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02 20 00	Assessment
02 21 00	Surveys
02 21 13	Site Surveys
02 21 13.13	Boundary and Survey Markers
02 21 13.23 02 21 16	Archeological and Historic Surveys  Mossured Drawings
02 22 00	Measured Drawings  Existing Conditions Assessment
02 22 13	Movement and Vibration Assessment
02 22 16	Acoustic Assessment
02 22 19	Traffic Assessment
02 22 23	Accessibility Assessment
02 24 00	Environmental Assessment
02 24 13	Natural Environment Assessment
02 24 13.13	Air Assessment
02 24 13.43 02 24 13.73	Water Assessment Land Assessment
02 24 13.73	Chemical Sampling and Analysis of Soils
02 24 43	Transboundary and Global Environmental Aspects Assessment
02 25 00	Fxisting Material Assessment

02 25 16	Existing Concrete Assessment
02 25 16.13	Concrete Assessment Drilling
02 25 19	Existing Masonry Assessment
02 25 19.13	Masonry Assessment Drilling
02 25 23	Existing Metals Assessment
02 25 23.13	Welding Investigations
02 25 26	Existing Wood, Plastics, and Composites Assessment
02 25 29	Existing Thermal and Moisture Protection Assessment
02 25 29.13	Waterproofing Investigations
02 25 29.23	Roofing Investigations
02 26 00	Hazardous Material Assessment
02 26 23	Asbestos Assessment
02 26 26	Lead Assessment
02 26 29	Polychlorinated Biphenyl Assessment
02 26 33	Biological Assessment
02 26 33.13	Mold Assessment
02 26 36	Hazardous Waste Drum Assessment
02 30 00	Subsurface Investigation
02 31 00	Geophysical Investigations
02 31 13	Seismic Investigations
02 31 16	Gravity Investigations
02 31 19	Magnetic Investigations
02 31 13	Electromagnetic Investigations
02 31 26	Electrical Resistivity Investigations
02 31 29	Magnetotelluric Investigations
02 32 00	
	Geotechnical Investigations
02 32 13	Subsurface Drilling and Sampling
02 32 16	Material Testing
02 32 19	Exploratory Excavations
02 32 23 02 32 23.13	Geotechnical Monitoring Before Construction
	Groundwater Monitoring Before Construction
02 40 00	Demolition and Structure Moving
02 41 00	Demolition
02 41 13	Selective Site Demolition
02 41 13.13	Paving Removal
02 41 13.23	Utility Line Removal
02 41 13.33	Railtrack Removal
02 41 16	Structure Demolition
02 41 16.13 02 41 16.23	Building Demolition Tower Demolition
02 41 16.23	Bridge Demolition
02 41 16.43	Dam Demolition
02 41 19	Selective Demolition
02 41 19.13	Selective Building Demolition
02 41 19.16	Selective Interior Demolition
02 41 19.19	Selective Facility Services Demolition
02 41 19.33	Selective Bridge Demolition
02 42 00	Removal and Salvage of Construction Materials
02 42 13	Deconstruction of Structures
02 42 13.13	Deconstruction of Buildings

02 43 00	Structure Moving
02 43 13	Structure Relocation
02 43 13.13	Building Relocation
02 43 16	Structure Raising
02 43 16.13	Building Raising
02 50 00	Site Remediation
02 51 00	Physical Decontamination
02 51 13	Coagulation and Flocculation Decontamination
02 51 16	Reverse-Osmosis Decontamination
02 51 19	Solidification and Stabilization Decontamination
02 51 23	Mechanical Filtration Decontamination
02 51 26	Radioactive Decontamination
02 51 29	Surface Cleaning Decontamination
02 51 29.13	High-Pressure Water Cleaning Decontamination
02 51 29.16	Vacuum Sweeping Cleaning Decontamination
02 51 33 02 51 33.13	Surface Removal Decontamination
02 51 33.16	Surface Removal Decontamination by Grinding Surface Removal Decontamination by Sand Blasting
02 51 33.19	Surface Removal Decontamination by Ultrasound
02 52 00	Chemical Decontamination
02 52 13	Chemical Precipitation Decontamination
02 52 16	Ion Change Decontamination
02 52 19	Neutralization Decontamination
02 53 00	Thermal Decontamination
02 53 13	Incineration Decontamination
02 53 13.13	Remediation of Contaminated Soils and Sludges by Incineration
02 53 16	Thermal Desorption Decontamination
02 53 16.13	Remediation of Contaminated Soils by Thermal Desorption
02 53 19	Vitrification Decontamination
02 54 00	Biological Decontamination
02 54 13	Aerobic Processes Decontamination
02 54 16	Anaerobic Processes Decontamination
02 54 19 02 54 19.13	Bioremediation Decontamination Bioremediation Using Landfarming
02 54 19.15	Bioremediation of Soils Using Windrow Composting
02 54 19.19	Bioremediation Using Bacteria Injection
02 54 23	Soil Washing through Separation/Solubilization
02 54 26	Organic Decontamination
02 55 00	Remediation Soil Stabilization
02 56 00	Site Containment
02 56 13	Waste Containment
02 56 13.13	Geomembrane Waste Containment
02 56 19	Gas Containment
02 56 19.13	Fluid-Applied Gas Barrier
02 57 00	Sinkhole Remediation
02 57 13	Sinkhole Remediation by Grouting
02 57 13.13 02 57 13.16	Sinkhole Remediation by Compaction Grouting Sinkhole Remediation by Cap Grouting
02 57 15.16	Sinkhole Remediation by Backfilling
02 07 10	Similar romodiation by Basicining

02 58 00	Snow Control
02 58 13	Snow Fencing
02 58 16	Snow Avalanche Control
02 60 00	Contaminated Site Material Removal
02 61 00	Removal and Disposal of Contaminated Soils
02 61 13	Excavation and Handling of Contaminated Material
02 61 23	Removal and Disposal of Polychlorinate Biphenyl Contaminated Soils
02 61 26	Removal and Disposal of Asbestos Contaminated Soils
02 61 29	Removal and Disposal of Organically Contaminated Soils
02 62 00	Hazardous Waste Recovery Processes
02 62 13	Air and Steam Stripping
02 62 16	Soil Vapor Extraction
02 62 19	Soil Washing and Flushing
02 65 00	Underground Storage Tank Removal
02 66 00	Landfill Construction and Storage
02 70 00	Water Remediation
02 71 00	Groundwater Treatment
02 72 00	Water Decontamination
02 72 13	Chemical Water Decontamination
02 72 16	Biological Water Decontamination
02 72 19	Electrolysis Water Decontamination
02 80 00	Facility Remediation
02 81 00	Transportation and Disposal of Hazardous Materials
02 82 00	Asbestos Remediation
02 82 13	Asbestos Abatement
02 82 13.13	Glovebag Asbestos Abatement
02 82 13.16 02 82 13.19	Precautions for Asbestos Abatement Asbestos Floor Tile and Mastic Abatement
02 82 16	Engineering Control of Asbestos Containing Materials
02 82 33	Removal and Disposal of Asbestos Containing Materials
02 83 00	Lead Remediation
02 83 13	Lead Hazard Control Activities
02 83 19	Lead-Based Paint Remediation
02 83 19.13	Lead-Based Paint Abatement
02 83 33 02 83 33.13	Removal and Disposal of Material Containing Lead Lead-Based Paint Removal and Disposal
02 84 00	Polychlorinate Biphenyl Remediation
02 84 16	Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury
02 84 33	Removal and Disposal of Polychlorinate Biphenyls
02 85 00	Mold Remediation
02 85 13	Precautions for Mold Remediation
02 85 16	Mold Remediation Preparation and Containment
02 85 19	Mold Remediation Clearance Air Sampling
02 85 33	Removal and Disposal of Materials with Mold
02 86 00	Hazardous Waste Drum Handling

02 00 00	Comercia
03 00 00	Concrete
03 01 00	Maintenance of Concrete
03 01 10	Maintenance of Concrete Forming and Accessories
03 01 20	Maintenance of Concrete Reinforcing
03 01 23	Maintenance of Stressing Tendons
03 01 30	Maintenance of Cast-in-Place Concrete
03 01 30.51 03 01 30.61	Cleaning of Cast-in-Place Concrete Resurfacing of Cast-in-Place Concrete
03 01 30.71	Rehabilitation of Cast-in-Place Concrete
03 01 30.72	Strengthening of Cast-in-Place Concrete
03 01 40	Maintenance of Precast Concrete
03 01 40.51	Cleaning of Precast Concrete
03 01 40.61	Resurfacing of Precast Concrete
03 01 40.71 03 01 40.72	Rehabilitation of Precast Concrete
03 01 40.72	Strengthening of Precast Concrete  Maintenance of Cast Decks and Underlayment
03 01 50.51	Cleaning Cast Decks and Underlayment
03 01 50.61	Resurfacing of Cast Decks and Underlayment
03 01 50.71	Rehabilitation of Cast Decks and Underlayment
03 01 50.72	Strengthening of Cast Decks and Underlayment
03 01 60	Maintenance of Grouting
03 01 70	Maintenance of Mass Concrete
03 01 80	Maintenance of Concrete Cutting and Boring
03 03 00	Conservation Treatment for Period Concrete
03 03 30	Conservation Treatment for Period Cast-in-Place Concrete
03 03 31	Conservation Treatment for Period Structural Concrete
03 03 33	Conservation Treatment for Period Architectural Concrete
03 05 00	Common Work Results for Concrete
03 05 05	Selective Demolition for Concrete
03 06 00	Schedules for Concrete
03 06 10	Schedules for Concrete Forming and Accessories
03 06 20 03 06 20.13	Schedules for Concrete Reinforcing Concrete Beam Reinforcing Schedule
03 06 20.16	Concrete Slab Reinforcing Schedule
03 06 30	Schedules for Cast-in-Place Concrete
03 06 30.13	Concrete Footing Schedule
03 06 30.16	Concrete Column Schedule
03 06 30.19	Concrete Slab Schedule
03 06 30.23 03 06 30.26	Concrete Shaft Schedule Concrete Beam Schedule
03 06 40	Schedules for Precast Concrete
03 06 40.13	Precast Concrete Panel Schedule
03 06 50	Schedules for Cast Decks and Underlayment
03 06 60	Schedules for Grouting
03 06 70	Schedules for Mass Concrete
03 06 80	Schedules for Concrete Cutting and Boring
03 08 00	Commissioning of Concrete
03 10 00	<b>Concrete Forming and Accessories</b>
03 11 00	Concrete Forming

	03 11 13 03 11 13.13	Structural Cast-in-Place Concrete Forming Concrete Slip Forming
	03 11 13.16	Concrete Shoring
	03 11 13.19	Falsework
	03 11 16	Architectural Cast-in Place Concrete Forming
	03 11 16.13	Concrete Form Liners
	03 11 19	Insulating Concrete Forming
	03 11 23	Permanent Stair Forming
03	15 00	Concrete Accessories
	03 15 13	Waterstops
	03 15 13.13	Non-Expanding Waterstops
	03 15 13.16 03 15 13.19	Expanding Waterstops Combination Expanding and Injection Hose Waterstops
	03 15 13.19	Injection Hose Waterstops
	03 15 16	Concrete Construction Joints
	03 15 19	Cast-In Concrete Anchors
03	20 00	Concrete Reinforcing
03	21 00	Reinforcement Bars
	03 21 11	Plain Steel Reinforcement Bars
	03 21 13	Galvanized Reinforcement Steel Bars
	03 21 16	Epoxy-Coated Reinforcement Steel Bars
	03 21 19	Stainless Steel Reinforcement Bars
	03 21 21	Composite Reinforcement Bars
	03 21 21.11	Glass Fiber-Reinforced Polymer Reinforcement Bars
	03 21 21.13 03 21 21.16	Organic Fiber-Reinforced Polymer Reinforcement Bars Carbon Fiber-Reinforced Polymer Reinforcement Bars
U3	<b>22 00</b>	Fabric and Grid Reinforcing
U3	03 22 13	Galvanized Welded Wire Fabric Reinforcing
	03 22 13	Epoxy-Coated Welded Wire Fabric Reinforcing
	03 22 10	Composite Grid Reinforcing
03	23 00	Stressed Tendon Reinforcing
	24 00	Fibrous Reinforcing
	25 00	Composite Reinforcing
•	03 25 13	Glass Fiber-Reinforced Polymer Reinforcing
	03 25 16	Organic Fiber-Reinforced Polymer Reinforcing
	03 25 19	Carbon Fiber-Reinforced Polymer Reinforcing
03	30 00	Cast-in-Place Concrete
	03 30 53	Miscellaneous Cast-in-Place Concrete
03	31 00	Structural Concrete
	03 31 13	Heavyweight Structural Concrete
	03 31 16	Lightweight Structural Concrete
	03 31 19	Shrinkage-Compensating Structural Concrete
	03 31 23	High-Performance Structural Concrete
	03 31 24	Ultra High-Performance Structural Concrete
^^	03 31 26	Self-Compacting Concrete
03	33 00	Architectural Concrete
	03 33 13	Heavyweight Architectural Concrete
	03 33 16	Lightweight Architectural Concrete

03 34 00	Low Density Concrete
03 35 00	Concrete Finishing
03 35 13	High-Tolerance Concrete Floor Finishing
03 35 16 03 35 19	Heavy-Duty Concrete Floor Finishing Colored Concrete Finishing
03 35 19	Exposed Aggregate Concrete Finishing
03 35 26	Grooved Concrete Surface Finishing
03 35 29	Tooled Concrete Finishing
03 35 33	Stamped Concrete Finishing
03 35 43	Polished Concrete Finishing
03 35 43.13	Polished and Dyed Concrete Finishing
03 35 43.16	Polished and Stained Concrete Finishing
<b>03 37 00</b> 03 37 13	Specialty Placed Concrete
03 37 13	Shotcrete Pumped Concrete
03 37 10	Pneumatically Placed Concrete
03 37 23	Roller-Compacted Concrete
03 37 26	Underwater Placed Concrete
03 38 00	Post-Tensioned Concrete
03 38 13	Post-Tensioned Concrete Preparation
03 38 16	Unbonded Post-Tensioned Concrete
03 38 19	Bonded Post-Tensioned Concrete
03 39 00	Concrete Curing
03 39 13	Water Concrete Curing
03 39 16	Sand Concrete Curing
03 39 23 03 39 23.13	Membrane Concrete Curing Chemical Compound Membrane Concrete Curing
03 39 23.13	Sheet Membrane Concrete Curing
03 40 00	Precast Concrete
03 41 00	Precast Structural Concrete
03 41 13	Precast Concrete Hollow Core Planks
03 41 16	Precast Concrete Slabs
03 41 23	Precast Concrete Stairs
03 41 33	Precast Structural Pretensioned Concrete
03 41 36	Precast Structural Post-Tensioned Concrete
03 45 00	Precast Architectural Concrete
03 45 13	Faced Architectural Precast Concrete
03 45 33	Precast Architectural Pretensioned Concrete
03 45 36	Precast Architectural Post-Tensioned Concrete
<b>03 47 00</b> 03 47 13	Site-Cast Concrete
03 47 13	Tilt-Up Concrete Lift-Slab Concrete
03 48 00	Precast Concrete Specialties
03 48 13	Precast Concrete Bollards
03 48 16	Precast Concrete Splash Blocks
03 48 19	Precast Concrete Stair Treads
03 48 26	Precast Concrete Parking Bumpers
03 48 33	Precast Pre-Framed Concrete Panels

03 48 43	Precast Concrete Trim
03 49 00	Glass-Fiber-Reinforced Concrete
03 49 13	Glass-Fiber-Reinforced Concrete Column Covers
03 49 16	Glass-Fiber-Reinforced Concrete Spandrels
03 49 43	Glass-Fiber-Reinforced Concrete Trim
03 50 00	Cast Decks and Underlayment
03 51 00	Cast Roof Decks
03 51 13	Cementitious Wood Fiber Decks
03 51 16	Gypsum Concrete Roof Decks
03 52 00	Lightweight Concrete Roof Insulation
03 52 13	Composite Concrete Roof Insulation
03 52 16	Lightweight Insulating Concrete
03 52 16.13 03 52 16.16	Lightweight Cellular Insulating Concrete Lightweight Aggregate Insulating Concrete
03 53 00	Concrete Topping
03 53 13	Emery-Aggregate Concrete Topping
03 53 16	Iron-Aggregate Concrete Topping
03 54 00	Cast Underlayment
03 54 13	Gypsum Cement Underlayment
03 54 16	Hydraulic Cement Underlayment
03 60 00	Grouting
03 61 00	Cementitious Grouting
00 01 00	Cementitious Grouting
03 61 13	Dry-Pack Grouting
	<del>_</del>
03 61 13 <b>03 62 00</b> 03 62 13	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting
03 61 13 <b>03 62 00</b> 03 62 13 03 62 16	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting
03 61 13  03 62 00  03 62 13  03 62 16  03 63 00  03 64 00  03 64 23	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete
03 61 13  03 62 00  03 62 13  03 62 16  03 63 00  03 64 00  03 64 23	Dry-Pack Grouting Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 81 00 03 81 13	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 81 00 03 81 13 03 81 16	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing Track Mounted Concrete Wall Sawing
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 81 00 03 81 13 03 81 16 03 81 19	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing Track Mounted Concrete Wall Sawing Wire Concrete Wall Sawing
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 81 00 03 81 13 03 81 16 03 81 19 03 81 23	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing Track Mounted Concrete Wall Sawing Wire Concrete Wall Sawing Hand Concrete Wall Sawing
03 61 13  03 62 00 03 62 13 03 62 16  03 63 00 03 64 00 03 64 23  03 70 00 03 71 00 03 72 00 03 81 00 03 81 13 03 81 16 03 81 19 03 81 23 03 81 26	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing Track Mounted Concrete Wall Sawing Wire Concrete Wall Sawing Hand Concrete Wall Sawing Chain Concrete Wall Sawing
03 61 13 03 62 00 03 62 13 03 62 16 03 63 00 03 64 00 03 64 23 03 70 00 03 71 00 03 72 00 03 81 00 03 81 13 03 81 16 03 81 19 03 81 23	Non-Shrink Grouting Non-Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Metallic Non-Shrink Grouting Epoxy Grouting Injection Grouting Epoxy Injection Grouting Mass Concrete Mass Concrete for Raft Foundations Mass Concrete for Dams Concrete Cutting and Boring Concrete Cutting Flat Concrete Sawing Track Mounted Concrete Wall Sawing Wire Concrete Wall Sawing Hand Concrete Wall Sawing

04 00 00	Masonry
04 01 00	Maintenance of Masonry
04 01 20	Maintenance of Unit Masonry
04 01 20.41	Unit Masonry Stabilization
04 01 20.51	Unit Masonry Maintenance
04 01 20.52	Unit Masonry Cleaning
04 01 20.91	Unit Masonry Restoration
04 01 20.93	Testing and Sampling Brick Units for Restoration
04 01 40	Maintenance of Stone Assemblies
04 01 40.51	Stone Maintenance
04 01 40.52 04 01 40.91	Stone Cleaning Stone Restoration
04 01 50	
04 01 60	Maintenance of Refractory Masonry Maintenance of Corrosion-Resistant Masonry
04 01 60	•
	Maintenance of Manufactured Masonry
04 03 00	Conservation Treatment for Period Masonry
04 03 01	Maintenance for Period Masonry
04 03 01.13	Period Masonry Cleaning
04 03 05	Common Work Results for Period Masonry
04 03 05.13 04 03 05.16	Period Masonry Mortaring Period Masonry Grouting
04 03 05.10	Period Masonry Anchorage and Reinforcing
04 03 21	Conservation Treatment for Period Clay Unit Masonry
04 03 21.19	Clay Brick Conservation Treatment
04 03 21.21	Terra Cotta Conservation Treatment
04 03 21.23	Fiance Block Conservation Treatment
04 03 22	Conservation Treatment for Period Concrete Unit Masonry
04 03 24	Conservation Treatment for Period Adobe Unit Masonry
04 03 43	Conservation Treatment for Period Stone Masonry
04 05 00	Common Work Results for Masonry
04 05 05	Selective Demolition for Masonry
04 05 13	Masonry Mortaring
04 05 13.16	Chemical-Resistant Masonry Mortaring
04 05 13.19	Epoxy Masonry Mortaring
04 05 13.23	Surface Bonding Masonry Mortaring
04 05 13.26	Engineered Masonry Mortaring
04 05 13.29	Refractory Masonry Mortaring
04 05 13.91 04 05 16	Masonry Restoration Mortaring  Masonry Grouting
04 05 16.16	Chemical-Resistant Masonry Grouting
04 05 16.16	Engineered Masonry Grouting
04 05 19	Masonry Anchorage and Reinforcing
04 05 19.13	Continuous Joint Reinforcing
04 05 19.16	Masonry Anchors
04 05 19.26	Masonry Reinforcing Bars
04 05 19.29	Stone Anchors
04 05 21	Masonry Strengthening
04 05 23	Masonry Accessories
04 05 23.13	Masonry Control and Expansion Joints
04 05 23.16	Masonry Embedded Flashing
04 05 23.19	Masonry Cavity Drainage, Weepholes, and Vents
04 06 00	Schedules for Masonry

04 06 20 04 06 20.13 04 06 40 04 06 50	Schedules for Unit Masonry Masonry Unit Schedule Schedules for Stone Assemblies Schedules for Refractory Masonry
04 06 60	Schedules for Corrosion-Resistant Masonry
04 06 70	Schedules for Manufactured Masonry
04 08 00	Commissioning of Masonry
04 20 00	Unit Masonry
04 21 00	Clay Unit Masonry
04 21 13	Brick Masonry
04 21 13.13	Brick Veneer Masonry
04 21 13.23	Surface-Bonded Brick Masonry
04 21 16 04 21 19	Clay Tile Masonry
04 21 19	Clay Tile Masonry Structural Clay Tile Masonry
04 21 26	Glazed Structural Clay Tile Masonry
04 21 29	Terra Cotta Masonry
04 22 00	<b>Concrete Unit Masonry</b>
04 22 00.13	Concrete Unit Veneer Masonry
04 22 00.16	Surface-Bonded Concrete Unit Masonry
04 22 19	Insulated Concrete Unit Masonry
04 22 23	Architectural Concrete Unit Masonry
04 22 23.13 04 22 23.16	Exposed Aggregate Concrete Unit Masonry Fluted Concrete Unit Masonry
04 22 23.19	Molded-Face Concrete Unit Masonry
04 22 23.23	Prefaced Concrete Unit Masonry
04 22 23.26	Sound-Absorbing Concrete Unit Masonry
04 22 23.29 04 22 26	Split-Face Concrete Unit Masonry
04 22 26	Autoclaved Aerated Concrete Unit Masonry Interlocking Concrete Unit Masonry
04 23 00	Glass Unit Masonry
04 23 13	Vertical Glass Unit Masonry
04 23 13	Glass Unit Masonry Floors
04 23 19	Glass Unit Masonry Skylights
04 24 00	Adobe Unit Masonry
04 24 13	Site-Cast Adobe Unit Masonry
04 24 16	Manufactured Adobe Unit Masonry
04 25 00	Unit Masonry Panels
04 25 13	Metal-Supported Unit Masonry Panels
04 26 00	Single-Wythe Unit Masonry
04 26 13	Masonry Veneer
04 27 00	Multiple-Wythe Unit Masonry
04 27 13	Composite Unit Masonry
04 27 23	Cavity Wall Unit Masonry
04 28 00	<b>Concrete Form Masonry Units</b>
04 28 13	Dry-Stacked, Concrete-Filled Masonry Units
04 28 23	Mortar-Set, Concrete-Filled Masonry Units
04 29 00	Engineered Unit Masonry

04 40 00	Stone Assemblies
04 41 00	Dry-Placed Stone
04 42 00	Exterior Stone Cladding
04 42 13	Masonry-Supported Stone Cladding
04 42 16	Steel-Stud-Supported Stone Cladding
04 42 19	Strongback-Frame-Supported Stone Cladding
04 42 23 04 42 26	Truss-Supported Stone Cladding Grid-System-Supported Stone Cladding
04 42 20	Stone Panels for Curtain Walls
04 43 00	Stone Masonry
04 43 13	Stone Masonry Veneer
04 43 13.13	Anchored Stone Masonry Veneer
04 43 13.16	Adhered Stone Masonry Veneer
04 50 00	Refractory Masonry
04 51 00	Flue Liner Masonry
04 52 00	Combustion Chamber Masonry
04 53 00	Castable Refractory Masonry
04 54 00	Refractory Brick Masonry
04 57 00	Masonry Fireplaces
04 57 33	Modular Masonry Fireplaces
04 60 00	<b>Corrosion-Resistant Masonry</b>
04 61 00	<b>Chemical-Resistant Brick Masonry</b>
04 62 00	Vitrified Clay Liner Plate
04 70 00	Manufactured Masonry
04 71 00	Manufactured Brick Masonry
04 71 13	Calcium Silicate Manufactured Brick Masonry
04 72 00	Cast Stone Masonry
04 73 00	Manufactured Stone Masonry
04 73 13	Calcium Silicate Manufactured Stone Masonry

05 00 00	Metals
05 01 00	Maintenance of Metals
05 01 10	Maintenance of Structural Metal Framing
05 01 20	Maintenance of Metal Joists
05 01 30	Maintenance of Metal Decking
05 01 40	Maintenance of Cold-Formed Metal Framing
05 01 50	Maintenance of Metal Fabrications
05 01 70	Maintenance of Decorative Metal
05 01 70.91	Historic Treatment of Decorative Metal
05 03 00	Conservation Treatment for Period Metals
05 03 12	Conservation Treatment for Period Structural Steel
05 03 12.13	Conservation Treatment for Period Architecturally Exposed Steel
05 03 12.23 05 03 51	Conservation Treatment for Period Structural Steel for Buildings Conservation Treatment for Period Metal Stairs
05 03 58	Conservation Treatment for Period Column Covers
05 03 70	Conservation Treatment for Period Decorative Metal
05 03 71	Conservation Treatment for Period Decorative Metal Stairs
05 03 73	Conservation Treatment for Period Decorative Metal Railings
05 03 75	Conservation Treatment for Period Decorative Formed Metal
05 03 76	Conservation Treatment for Period Decorative Forged Metal
05 05 00	Common Work Results for Metals
05 05 05	Selective Demolition for Metals
05 05 13	Shop-Applied Coatings for Metal
05 05 19	Post-Installed Concrete Anchors
05 05 23	Metal Fastenings
05 05 53	Security Metal Fastenings
05 06 00	Schedules for Metals
05 06 10	Schedules for Structural Metal Framing
05 06 10.13 05 06 10.16	Steel Column Schedule Steel Beam Schedule
05 06 20	Schedules for Metal Joists
05 06 20.13	Steel Joist Schedule
05 06 30	Schedules for Metal Decking
05 06 40	Schedules for Cold-Formed Metal Framing
05 06 50	Schedules for Metal Fabrications
05 06 70	Schedules for Decorative Metal
05 08 00	Commissioning of Metals
05 10 00	Structural Metal Framing
05 12 00	Structural Steel Framing
05 12 13	Architecturally-Exposed Structural Steel Framing
05 12 16	Fabricated Fireproofed Steel Columns
05 12 19	Buckling Restrained Braces
05 12 23	Structural Steel for Buildings
05 12 33	Structural Steel for Bridges
05 13 00	Structural Stainless-Steel Framing
05 14 00	Structural Aluminum Framing
05 14 13	Architecturally-Exposed Structural Aluminum Framing

05 15 00	Wire Rope Assemblies
05 15 13	Aluminum Wire Rope Assemblies
05 15 16	Steel Wire Rope Assemblies
05 15 19	Stainless-Steel Wire Rope Assemblies
05 16 00	Structural Cabling
05 16 13	Cable Bow Truss Assemblies
05 16 33	Bridge Cabling
05 17 00	Structural Rod Assemblies
05 19 00	<b>Tension Rod and Cable Truss Assemblies</b>
05 19 13	Façade Support Truss Assemblies
05 19 19	Canopy Support Truss Assemblies
05 20 00	Metal Joists
05 21 00	Steel Joist Framing
05 21 13	Deep Longspan Steel Joist Framing
05 21 16	Longspan Steel Joist Framing
05 21 19	Open Web Steel Joist Framing
05 21 23	Steel Joist Girder Framing
05 25 00	Aluminum Joist Framing
05 30 00	Metal Decking
05 31 00	Steel Decking
05 31 13	Steel Floor Decking
05 31 23	Steel Roof Decking
05 31 33	Steel Form Decking
05 33 00	Aluminum Decking
05 33 13	Aluminum Floor Decking
05 33 23	Aluminum Roof Decking
05 34 00	Acoustical Metal Decking
05 35 00	Raceway Decking Assemblies
05 36 00	Composite Metal Decking
05 36 13	Composite Steel Plate and Elastomer Decking
05 40 00	Cold-Formed Metal Framing
05 41 00	Structural Metal Stud Framing
05 42 00	Cold-Formed Metal Joist Framing
05 42 13	Cold-Formed Metal Floor Joist Framing
05 42 23	Cold-Formed Metal Roof Joist Framing
05 43 00	Slotted Channel Framing
05 44 00	Cold-Formed Metal Trusses
05 44 13	Cold-Formed Metal Roof Trusses
05 45 00	Metal Support Assemblies
05 45 13	Mechanical Metal Supports
05 45 16	Electrical Metal Supports
05 45 19	Communications Metal Supports
05 45 23	Healthcare Metal Supports
05 50 00	Metal Fabrications

05 51 00 05 51 13 05 51 16 05 51 19 05 51 23 05 51 33 05 51 33.13	Metal Stairs Metal Pan Stairs Metal Floor Plate Stairs Metal Grating Stairs Metal Fire Escapes Metal Ladders Vertical Metal Ladders
05 51 33.16 05 51 33.23 05 51 36 05 51 36.13 05 51 36.16	Inclined Metal Ladders Alternating Tread Ladders Metal Walkways Metal Catwalks Metal Ramps
05 52 00	Metal Railings
05 52 13	Pipe and Tube Railings
05 53 00	Metal Gratings
05 53 13	Bar Gratings
05 53 16	Plank Gratings
05 54 00	Metal Floor Plates
05 55 00	<b>Metal Stair Treads and Nosings</b>
05 55 13	Metal Stair Treads
05 55 16	Metal Stair Nosings
05 56 00	Metal Castings
05 58 00	Formed Metal Fabrications
05 58 13	Column Covers
05 58 16	Formed Metal Enclosures
05 58 19	Heating/Cooling Unit Covers
05 58 23	Formed Metal Guards
05 59 00	Metal Specialties
05 59 13	Metal Balconies
05 59 63	Detention Enclosures
05 70 00	Decorative Metal
05 71 00	<b>Decorative Metal Stairs</b>
05 71 13	Fabricated Metal Spiral Stairs
05 73 00	<b>Decorative Metal Railings</b>
05 73 13	Glazed Decorative Metal Railings
05 73 16	Wire Rope Decorative Metal Railings
05 74 00	<b>Decorative Metal Castings</b>
05 75 00	<b>Decorative Formed Metal</b>
05 76 00	<b>Decorative Forged Metal</b>
05 77 00	Decorative Extruded Metal
03 11 00	DECOIALIVE LALIUUCU MICIAI

## Wood, Plastics, and Composites 06 00 00 Maintenance of Wood, Plastics, and Composites 06 01 00 06 01 10 Maintenance of Rough Carpentry 06 01 10.71 Rough Carpentry Rehabilitation Rough Carpentry Restoration 06 01 10.91 06 01 10.92 Rough Carpentry Preservation 06 01 20 Maintenance of Finish Carpentry Finish Carpentry Rehabilitation 06 01 20.71 Finish Carpentry Restoration 06 01 20.91 06 01 20.92 Finish Carpentry Preservation Maintenance of Architectural Woodwork 06 01 40 06 01 40.51 Architectural Woodwork Cleaning Architectural Woodwork Refinishing 06 01 40.61 06 01 40.91 Architectural Woodwork Restoration 06 01 50 Maintenance of Structural Plastics Maintenance of Plastic Fabrications 06 01 60 06 01 60.51 Plastic Cleaning Plastic Rehabilitation 06 01 60.71 06 01 60.91 Plastic Restoration 06 01 60.92 Plastic Preservation 06 01 70 Maintenance of Structural Composites 06 01 80 Maintenance of Composite Assemblies 06 01 80.51 Composite Cleaning 06 01 80.71 Composite Rehabilitation 06 01 80.91 Composite Restoration 06 01 80.92 Composite Preservation 06 03 00 Conservation Treatment for Period Wood 06 03 01 Maintenance for Period Wood Period Wood Storage and Protection 06 03 01.31 Common Work Results for Period Wood 06 03 05 06 03 05.73 Long-term Period Wood Treatment Eradication of Insects in Period Wood 06 03 05.74 06 03 05.75 Antiseptic Treatment of Period Wood Conservation Treatment of Period Log Construction 06 03 13 06 03 13.23 Conservation Treatment for Period Heavy Timber Conservation Treatment for Period Finish Carpentry 06 03 20 Period Exterior Finish Carpentry 06 03 20.13 Period Interior Finish Carpentry 06 03 20.23 Conservation Treatment for Period Architectural Woodwork 06 03 40 Period Exterior Architectural Woodwork 06 03 40.13 Period Interior Architectural Woodwork 06 03 40.23 Common Work Results for Wood, Plastics, and 06 05 00 Composites 06 05 05 Selective Demolition for Wood, Plastics, and Composites Wood, Plastic, and Composite Fastenings 06 05 23 06 05 73 Wood Treatment Fire-Retardant Wood Treatment 06 05 73.13 06 05 73.33 Preservative Wood Treatment 06 05 73.91 Long-Term Wood Treatment 06 05 73.93 Eradication of Insects in Wood 06 05 73.96 Antiseptic Treatment of Wood 06 05 83 **Shop-Applied Wood Coatings**

06 06 00	Schedules for Wood, Plastics, and Composites
06 06 10	Schedules for Rough Carpentry
06 06 10.13	Nailing Schedule
06 06 10.16	Wood Beam Schedule
06 06 10.19	Plywood Shear Wall Schedule
06 06 10.23	Plywood Web Joist Schedule
06 06 10.26	Wood Truss Schedule
06 06 20	Schedules for Finish Carpentry
06 06 40	Schedules for Architectural Woodwork
06 06 50 06 06 60	Schedules for Structural Plastics
	Schedules for Plastic Fabrications
06 06 70 06 06 80	Schedules for Structural Composites
	Schedules for Composite Assemblies  Commissioning of Wood Plastics and Compositos
06 08 00	Commissioning of Wood, Plastics, and Composites
06 10 00	Rough Carpentry
06 10 53	Miscellaneous Rough Carpentry
06 10 63	Exterior Rough Carpentry
06 11 00	Wood Framing
06 11 13	Engineered Wood Products
06 11 16	Mechanically Graded Lumber
06 12 00	Structural Panels
06 12 13	Cementitious Reinforced Panels
06 12 16	Stressed Skin Panels
06 13 00	Heavy Timber Construction
06 13 13	Log Construction
06 13 13.91	Period Horizontal Log Work
06 13 16	Pole Construction
06 13 23	Heavy Timber Framing
06 13 26	Heavy Timber Trusses
06 13 33	Heavy Timber Pier Construction
06 14 00	Treated Wood Foundations
06 15 00	Wood Decking
06 15 13	Wood Floor Decking
06 15 13.91	Carvel Planking
06 15 16	Wood Roof Decking
06 15 19	Timber Decking
06 15 23	Laminated Wood Decking
06 15 33	Wood Patio Decking
06 16 00	Sheathing
06 16 13	Insulating Sheathing
06 16 23	Subflooring
06 16 26	Underlayment
06 16 33	Wood Board Sheathing
06 16 36	Wood Panel Product Sheathing
06 16 43	Gypsum Sheathing
06 16 53	Moisture-Resistant Sheathing Board
06 16 63	Cementitious Sheathing
06 17 00	Shop-Fabricated Structural Wood

06 17 13	Laminated Veneer Lumber
06 17 19	Cross-Laminated Timber
06 17 23	Parallel Strand Lumber
06 17 33	Wood I-Joists
06 17 36	Metal-Web Wood Joists
06 17 43	Rim Boards
06 17 53	Shop-Fabricated Wood Trusses
06 18 00	Glued-Laminated Construction
06 18 13	Glued-Laminated Beams
06 18 16	Glued-Laminated Columns
06 20 00	Finish Carpentry
06 20 13	Exterior Finish Carpentry
06 20 23	Interior Finish Carpentry
06 22 00	Millwork
06 22 13	Standard Pattern Wood Trim
06 25 00	Prefinished Paneling
06 25 13	Prefinished Hardboard Paneling
06 25 16	Prefinished Plywood Paneling
06 26 00	Board Paneling
06 26 13	Profile Board Paneling
	•
06 40 00	Architectural Woodwork
06 40 13	Exterior Architectural Woodwork
06 40 23	Interior Architectural Woodwork
06 41 00	Architectural Wood Casework
06 41 13	Wood-Veneer-Faced Architectural Cabinets
06 41 16	Plastic-Laminate-Clad Architectural Cabinets
06 41 93	Cabinet and Drawer Hardware
06 42 00	Wood Paneling
06 42 13	Wood Board Paneling
06 42 14	Stile and Rail Wood Paneling
06 42 16	Flush Wood Paneling
06 42 19	Plastic-Laminate-Faced Wood Paneling
06 43 00	Wood Stairs and Railings
06 43 13	Wood Stairs
06 43 16	Wood Railings
06 44 00	Ornamental Woodwork
06 44 13	Wood Turnings
06 44 16	Wood Pilasters
06 44 19	Wood Grilles
06 44 23	Wood Corbels
06 44 26	Wood Cupolas
06 44 29 06 44 33	Wood Finials Wood Mantels
06 44 36	Wood Pediment Heads
06 44 39	Wood Pediment Heads Wood Posts and Columns
06 46 00	Wood Trim
06 46 13	Wood Door and Window Casings
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06 46 16	Wood Aprons
06 46 19	Wood Base and Shoe Moldings
06 46 23	Wood Chair Rails
06 46 26	Wood Cornices
06 46 29	Wood Fasciae and Soffits
06 46 33	Wood Stops, Stools, and Sills
06 46 91	Splicing of Wooden Components
06 48 00	Wood Frames
06 48 13	Exterior Wood Door Frames
06 48 16	Interior Wood Door Frames
06 48 19	Ornamental Wood Frames
06 48 23	Stick-Built Wood Windows
06 48 26	Wood-Veneer Frames
06 49 00	Wood Screens and Exterior Wood Shutters
06 49 13	Wood Screens
06 49 16	Exterior Wood Blinds
06 49 19	Exterior Wood Shutters
06 50 00	Structural Plastics
06 51 00	Structural Plastic Shapes and Plates
06 51 13	Plastic Lumber
06 52 00	Plastic Structural Assemblies
06 53 00	Plastic Decking
06 53 13	Solid Plastic Decking
	_
06 60 00	Plastic Fabrications
<b>06 60 00</b> 06 61 00	
	Plastic Fabrications Cast Polymer Fabrications Simulated Stone Fabrications
06 61 00	Cast Polymer Fabrications
06 61 00 06 61 13 06 61 16	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications
06 61 00 06 61 13 06 61 16 06 63 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00 06 71 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00 06 71 00 06 71 13	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates Composite Lumber
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00 06 71 00 06 72 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates Composite Lumber Composite Structural Assemblies
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00 06 71 00 06 72 13	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates Composite Lumber Composite Structural Assemblies Composite Joist Assemblies
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00 06 71 13 06 72 00 06 72 13 06 73 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates Composite Lumber Composite Structural Assemblies Composite Joist Assemblies Composite Decking
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00 06 71 13 06 72 00 06 72 13 06 73 00 06 73 13	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates Composite Lumber Composite Structural Assemblies Composite Decking Composite Structural Decking
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00 06 71 13 06 72 00 06 72 13 06 73 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates Composite Lumber Composite Structural Assemblies Composite Joist Assemblies Composite Decking Composite Structural Decking Composite Gratings
06 61 00     06 61 13     06 61 16  06 63 00     06 64 00     06 64 13  06 65 00     06 66 00  06 71 00     06 71 13  06 72 00     06 72 13  06 73 00     06 73 13  06 74 00     06 74 13	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates Composite Lumber Composite Structural Assemblies Composite Joist Assemblies Composite Decking Composite Structural Decking Composite Gratings Fiberglass Reinforced Gratings
06 61 00 06 61 13 06 61 16 06 63 00 06 64 00 06 64 13 06 65 00 06 66 00 06 70 00 06 71 13 06 72 00 06 72 13 06 73 00 06 74 00	Cast Polymer Fabrications Simulated Stone Fabrications Solid Surfacing Fabrications Plastic Railings Plastic Paneling Plastic Lattice Paneling Plastic Trim Custom Ornamental Simulated Woodwork Structural Composites Structural Composite Shapes and Plates Composite Lumber Composite Structural Assemblies Composite Joist Assemblies Composite Decking Composite Structural Decking Composite Gratings

06 82 00 Composite Trim
06 83 00 Composite Paneling
06 83 13 Resin Composite Paneling
06 83 16 Fiberglass Reinforced Paneling

## 07 00 00 Thermal and Moisture Protection **Operation and Maintenance of Thermal and Moisture** 07 01 00 Protection Maintenance of Dampproofing and Waterproofing 07 01 10 07 01 10.81 Waterproofing Replacement 07 01 20 Maintenance of Thermal Protection 07 01 30 Maintenance of Steep Slope Roofing 07 01 40 Maintenance of Roofing and Siding Panels Maintenance of Membrane Roofing 07 01 50 07 01 50.13 Roof Moisture Survey 07 01 50.16 Roof Maintenance Program Preparation for Re-Roofing 07 01 50.19 Roof Removal 07 01 50.23 Roof Re-Coating 07 01 50.61 Roof Replacement 07 01 50.81 Roofing Restoration 07 01 50.91 07 01 60 Maintenance of Flashing and Sheet Metal Flashing and Sheet Metal Rehabilitation 07 01 60.71 07 01 60.91 Flashing and Sheet Metal Restoration Flashing and Sheet Metal Preservation 07 01 60.92 Operation and Maintenance of Roof Specialties and Accessories 07 01 70 07 01 80 Maintenance of Fire and Smoke Protection 07 01 90 Maintenance of Joint Protection 07 01 90.71 Joint Sealant Rehabilitation 07 01 90.81 Joint Sealant Replacement 07 03 00 Conservation Treatment for Period Roofing 07 03 30 Conservation Treatment for Period Steep Slope Roofing Conservation Treatment for Period Canvas Roofing 07 03 30.13 Conservation Treatment for Period Board Roofing 07 03 30.16 Conservation Treatment for Period Shingles and Shakes 07 03 31 Conservation Treatment for Period Metal Shingles 07 03 31.16 07 03 31.26 Conservation Treatment for Period Slate Shingles 07 03 31.29 Conservation Treatment for Period Wood Shingles and Shakes 07 03 32 Conservation Treatment for Period Roof Tiles Conservation Treatment for Period Clay Roof Tiles 07 03 32.13 Conservation Treatment for Period Concrete Roof Tiles 07 03 32.16 07 03 32.19 Conservation Treatment for Period Metal Roof Tiles Conservation Treatment for Period Natural Roof Coverings 07 03 33 07 03 33.13 Conservation Treatment for Period Sod Roofing Conservation Treatment for Period Roofing and Siding Panels 07 03 40 Conservative Treatment for Period Roof Panels 07 03 41 Conservation Treatment for Period Metal Roof Panels 07 03 41.13 07 03 41.23 Conservation Treatment for Period Wood Roof Panels 07 03 46 Conservation Treatment for Period Wood Siding Conservation Treatment of Period Flashing and Sheet Metal 07 03 60 07 03 61 Conservation Treatment for Period Sheet Metal Roofing 07 03 61.13 Conservation Treatment for Period Standing Seam Sheet Metal Roofing 07 03 61.16 Conservation Treatment for Period Batten Seam Sheet Metal Roofing 07 03 61.19 Conservation Treatment for Period Flat Seam Sheet Metal Roofing Common Work Results for Thermal and Moisture 07 05 00 **Protection**

	07 05 05	Selective Demolition for Thermal and Moisture Protection
	07 05 53	Fire and Smoke Assembly Identification
07	06 00	Schedules for Thermal and Moisture Protection
	07 06 10	Schedules for Dampproofing and Waterproofing
	07 06 20	Schedules for Thermal Protection
	07 06 30	Schedules for Steep Slope Roofing
	07 06 40	Schedules for Roofing and Siding Panels
	07 06 50	Schedules for Membrane Roofing
	07 06 60	Schedules for Flashing and Sheet Metal
	07 06 70 07 06 80	Schedules for Roof Specialties and Accessories Schedules for Fire and Smoke Protection
	07 06 80.13	Fireproofing Schedule
	07 06 80.16	Firestopping Schedule
	07 06 90	Schedules for Joint Protection
	07 06 90.13	Joint Sealant Schedule
07	08 00	Commissioning of Thermal and Moisture Protection
07	<sup>'</sup> 10 00	Dampproofing and Waterproofing
07	11 00	Dampproofing
	07 11 13	Bituminous Dampproofing
	07 11 16	Cementitious Dampproofing
	07 11 19	Sheet Dampproofing
<b>07</b>	12 00	Built-Up Bituminous Waterproofing
	07 12 13	Built-Up Asphalt Waterproofing
	07 12 16	Built-Up Coal Tar Waterproofing
07	13 00	Sheet Waterproofing
	07 13 13	Bituminous Sheet Waterproofing
	07 13 26	Self-Adhering Sheet Waterproofing
	07 13 52	Modified Bituminous Sheet Waterproofing
	07 13 53	Elastomeric Sheet Waterproofing
07	07 13 54	Thermoplastic Sheet Waterproofing
U/	14 00	Fluid-Applied Waterproofing
	07 14 13 07 14 14	Hot Fluid Applied Rubberized Asphalt Waterproofing
	07 14 14	Hot Fluid-Applied Polyurea Waterproofing Cold Fluid-Applied Waterproofing
٥7	15 00	Sheet Metal Waterproofing
01	07 15 13	Sheet Lead Waterproofing
07	16 00	Cementitious and Reactive Waterproofing
•	07 16 13	Polymer Modified Cement Waterproofing
	07 16 16	Crystalline Waterproofing
	07 16 19	Metal Oxide Waterproofing
<b>07</b>	17 00	Bentonite Waterproofing
	07 17 13	Bentonite Panel Waterproofing
	07 17 16	Bentonite Composite Sheet Waterproofing
07	18 00	Traffic Coatings
	07 18 13	Pedestrian Traffic Coatings
	07 18 16	Vehicular Traffic Coatings
07	19 00	Water Repellents

07 19 13 07 19 16 07 19 19	Acrylic Water Repellents Silane Water Repellents Silicone Water Repellents
07 19 19 07 19 23 07 19 26	Siloxane Water Repellents
07 20 00	Stearate Water Repellents Thermal Protection
07 21 00	Thermal Insulation
07 21 13	Board Insulation
07 21 13.13	Foam Board Insulation
07 21 13.16	Fibrous Board Insulation
07 21 13.19 07 21 16	Mineral Board Insulation Blanket Insulation
07 21 19	Foamed-In-Place Insulation
07 21 23	Loose-Fill Insulation
07 21 26	Blown Insulation
07 21 29 07 21 53	Sprayed Insulation Reflective Insulation
07 22 00	Roof and Deck Insulation
07 22 13	Asphaltic Perlite Concrete Deck
07 22 16	Roof Board Insulation
07 24 00	Exterior Insulation and Finish Systems
07 24 13	Polymer-Based Exterior Insulation and Finish System
07 24 16 07 24 19	Polymer-Modified Exterior Insulation and Finish System Water-Drainage Exterior Insulation and Finish System
07 24 23	Direct-Applied Finish Systems
07 25 00	Weather Barriers
07 26 00	Vapor Retarders
07 26 13	Above-Grade Vapor Retarders
07 26 16	Below-Grade Vapor Retarders Below-Grade Gas Retarders
07 26 23 <b>07 27 00</b>	Air Barriers
07 27 13	Modified Bituminous Sheet Air Barriers
07 27 16	Sheet Metal Membrane Air Barriers
07 27 19	Plastic Sheet Air Barriers
07 27 23	Board Product Air Barriers
07 27 26 07 27 36	Fluid-Applied Membrane Air Barriers Sprayed Foam Air Barrier
07 30 00	Steep Slope Roofing
07 30 91	Canvas Roofing
07 31 00	Shingles and Shakes
07 31 13	Asphalt Shingles
07 31 13.13 07 31 16	Fiberglass-Reinforced Asphalt Shingles Metal Shingles
07 31 19	Mineral-Fiber Cement Shingles
07 31 23	Porcelain Enamel Shingles
07 31 26	Slate Shingles
07 31 29 07 31 29.13	Wood Shingles and Shakes Wood Shingles

	07 31 29.16	Wood Shakes
	07 31 33	Composite Rubber Shingles
	07 31 53	Plastic Shakes
<b>07</b>	32 00	Roof Tiles
	07 32 13	Clay Roof Tiles
	07 32 14	Ceramic and Porcelain Roof Tiles
	07 32 16	Concrete Roof Tiles
	07 32 19	Metal Roof Tiles
	07 32 23	Mineral-Fiber Cement Roof Tiles
	07 32 26	Plastic Roof Tiles
	07 32 29	Rubber Tiles/Panels
<b>07</b>	33 00	Natural Roof Coverings
	07 33 13	Sod Roofing
	07 33 16	Thatched Roofing
	07 33 63	Vegetated Roofing
Λ7	40 00	<b>Roofing and Siding Panels</b>
07	41 00	Roof Panels
	07 41 13	Metal Roof Panels
	07 41 23	Wood Roof Panels
	07 41 33	Plastic Roof Panels
	07 41 43	Composite Roof Panels
	07 41 63	Fabricated Roof Panel Assemblies
<b>07</b>	42 00	Wall Panels
	07 42 13	Metal Wall Panels
	07 42 13.13	Formed Metal Wall Panels
	07 42 13.16	
	07 42 13.19	Insulated Metal Wall Panels
	07 42 13.23 07 42 23	Metal Composite Material Wall Panels Wood Wall Panels
	07 42 23	Terracotta Wall Panels
	07 42 29	Plastic Wall Panels
	07 42 43	Composite Wall Panels
	07 42 63	Fabricated Wall Panel Assemblies
	07 42 93	Soffit Panels
٥7	44 00	Faced Panels
01	07 44 13	Aggregate Coated Panels
	07 44 16	Porcelain Enameled Faced Panels
	07 44 19	Tile-Faced Panels
	07 44 23	Ceramic-Tile-Faced Panels
	07 44 33	Metal Faced Panels
	07 44 53	Glass-Fiber-Reinforced Cementitious Panels
	07 44 56	Mineral-Fiber-Reinforced Cementitious Panels
	07 44 63	Fabricated Faced Panel Assemblies
07	46 00	Siding
•	07 46 16	Aluminum Siding
	07 46 19	Steel Siding
	07 46 23	Wood Siding
	07 46 26	Hardboard Siding
	07 46 29	Plywood Siding

07 46 33	Plastic Siding
07 46 43 07 46 46	Composition Siding
07 46 46 07 46 63	Fiber-Cement Siding Fabricated Panel Assemblies with Siding
07 50 00	Membrane Roofing
07 51 00	Built-Up Bituminous Roofing
07 51 13	Built-Up Asphalt Roofing
07 51 13.13	Cold-Applied Built-Up Asphalt Roofing
07 51 16	Built-Up Coal Tar Roofing
07 51 23	Glass-Fiber-Reinforced Asphalt Emulsion Roofing
07 52 00	Modified Bituminous Membrane Roofing
07 52 13 07 52 13.11	Atactic-Polypropylene-Modified Bituminous Membrane Roofing Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing
07 52 13.13 07 52 13.14	Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing
07 52 16	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 52 16.11	Cold Adhesive Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 52 16.12 07 52 16.13	Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 52 16.14	Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
07 53 00	Elastomeric Membrane Roofing
07 53 13	Chlorinated-Polyethylene Roofing
07 53 16	Chlorosulfonate-Polyethylene Roofing
07 53 23	Ethylene-Propylene-Diene-Monomer Roofing
07 53 29	Polyisobutylene Roofing
07 54 00	Thermoplastic Membrane Roofing
07 54 13	Copolymer-Alloy Roofing
07 54 16	Ethylene-Interpolymer Roofing
07 54 19	Polyvinyl-Chloride Roofing
07 54 23 07 54 26	Thermoplastic-Polyolefin Roofing Nitrile-Butadiene-Polymer Roofing
<b>07 55 00</b>	,
07 55 51	Protected Membrane Roofing  Built Up Bitumingus Protected Membrane Roofing
07 55 51	Built-Up Bituminous Protected Membrane Roofing  Modified Bituminous Protected Membrane Roofing
07 55 53	Elastomeric Protected Membrane Roofing
07 55 54	Thermoplastic Protected Membrane Roofing
07 55 56	Fluid-Applied Protected Membrane Roofing
07 55 56.13	Hot-Applied Rubberized Asphalt Protected Membrane Roofing
07 55 63	Vegetated Protected Membrane Roofing
07 56 00	Fluid-Applied Roofing
07 57 00	Coated Foamed Roofing
07 57 13	Sprayed Polyurethane Foam Roofing
07 58 00	Roll Roofing
07 60 00	Flashing and Sheet Metal

07	61 00	Sheet Metal Roofing
	07 61 13	Standing Seam Sheet Metal Roofing
	07 61 16	Batten Seam Sheet Metal Roofing
	07 61 19	Flat Seam Sheet Metal Roofing
	62 00	Sheet Metal Flashing and Trim
<b>07</b>	63 00	Sheet Metal Roofing Specialties
07	64 00	Sheet Metal Wall Cladding
	07 64 13	Standing Seam Sheet Metal Wall Cladding
	07 64 16	Batten Seam Sheet Metal Wall Cladding
	07 64 19	Flat Seam Sheet Metal Wall Cladding
07	65 00	Flexible Flashing
	07 65 13	Laminated Sheet Flashing
	07 65 16 07 65 19	Modified Bituminous Sheet Flashing Plastic Sheet Flashing
	07 65 23	Rubber Sheet Flashing
	07 65 26	Self-Adhering Sheet Flashing
07	70 00	Roof and Wall Specialties and
•		Accessories
٥7	71 00	Roof Specialties
U I	07 71 13	Manufactured Copings
	07 71 16	Manufactured Counterflashing Systems
	07 71 19	Manufactured Gravel Stops and Fasciae
	07 71 23	Manufactured Gutters and Downspouts
	07 71 23.13	Gutter Debris Guards
	07 71 26	Reglets
	07 71 29 07 71 33	Manufactured Roof Expansion Joints Manufactured Scuppers
٥7	<b>72 00</b>	Roof Accessories
U1	07 72 13	Manufactured Curbs
	07 72 13	Relief Vents
	07 72 26	Ridge Vents
	07 72 33	Roof Hatches
	07 72 36	Smoke Vents
	07 72 43	Roof Walk Boards
	07 72 46	Roof Walkways
	07 72 53 07 72 63	Snow Guards Waste Containment Assemblies
07	<b>76 00</b>	Roof Pavers
U1	07 76 13	Roof Ballast Pavers
	07 76 16	Roof Decking Pavers
07	77 00	Wall Specialties
	80 00	Fire and Smoke Protection
	81 00	Applied Fireproofing
U I	07 81 13	Cement Aggregate Fireproofing
	07 81 16	Cementitious Fireproofing
	07 81 19	Foamed Magnesium-Oxychloride Fireproofing

07 81 23 07 81 26 07 81 29 07 81 33	Intumescent Fireproofing Magnesium Cement Fireproofing Mineral-Fiber Cementitious Fireproofing Mineral-Fiber Fireproofing
07 82 00	Board Fireproofing
07 82 13	Calcium-Silicate Board Fireproofing
07 82 16	Slag-Fiber Board Fireproofing
07 84 00	Firestopping
07 84 13	Penetration Firestopping
07 84 13.13	Penetration Firestopping Mortars
07 84 13.16	Penetration Firestopping Devices
07 84 43 07 84 53	Joint Firestopping
	Building Perimeter Firestopping
07 86 00	Smoke Seals
07 87 00	Smoke Containment Barriers
07 90 00	Joint Protection
<b>07 90 00</b> 07 91 00	Joint Protection Preformed Joint Seals
<b>07 91 00</b> 07 91 13 07 91 16	Preformed Joint Seals Compression Seals Joint Gaskets
07 91 00 07 91 13 07 91 16 07 91 23	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers
07 91 00 07 91 13 07 91 16 07 91 23	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00 07 95 13	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control Expansion Joint Cover Assemblies
07 91 00 07 91 13 07 91 16 07 91 23 07 91 26 07 92 00 07 92 13 07 92 16 07 92 19 07 95 00	Preformed Joint Seals Compression Seals Joint Gaskets Backer Rods Joint Fillers Joint Sealants Elastomeric Joint Sealants Rigid Joint Sealants Acoustical Joint Sealants Expansion Control

## 08 00 00 Openings

00 00 00	Openings
08 01 00	Operation and Maintenance of Openings
08 01 10	Operation and Maintenance of Doors and Frames
08 01 11	Operation and Maintenance of Metal Doors and Frames
08 01 14	Operation and Maintenance of Wood Doors
08 01 15	Operation and Maintenance of Plastic Doors
08 01 16	Operation and Maintenance of Composite Doors
08 01 17	Operation and Maintenance of Integrated Door Opening Assemblies
08 01 30	Operation and Maintenance of Specialty Doors and Frames
08 01 32	Operation and Maintenance of Sliding Glass Doors
08 01 33	Operation and Maintenance of Coiling Doors and Grilles
08 01 34	Operation and Maintenance of Special Function Doors
08 01 35	Operation and Maintenance of Folding Doors and Grilles
08 01 36	Operation and Maintenance of Panel Doors
08 01 39	Operation and Maintenance of Traffic Doors
08 01 40	Operation and Maintenance of Entrances, Storefronts, and Curtain Walls
08 01 41	Operation and Maintenance of Entrances
08 01 42	Operation and Maintenance of Storefronts
08 01 44	Operation and Maintenance of Curtain Walls
08 01 50	Operation and Maintenance of Windows
08 01 51	Operation and Maintenance of Metal Windows
08 01 52	Operation and Maintenance of Wood Windows
08 01 52.61	Wood Window Repairs
08 01 52.71 08 01 52.81	Wood Window Rehabilitation Wood Window Replacement
08 01 52.91	Wood Window Restoration
08 01 52.93	Historic Treatment of Wood Windows
08 01 53	Operation and Maintenance of Plastic Windows
08 01 54	Operation and Maintenance of Composite Windows
08 01 56	Operation and Maintenance of Special Function Windows
08 01 60	Operation and Maintenance of Skylights and Roof Windows
08 01 61	Operation and Maintenance of Roof Windows
08 01 62	Operation and Maintenance of Unit Skylights
08 01 63	Operation and Maintenance of Metal-Framed Skylights
08 01 64	Operation and Maintenance of Plastic-Framed Skylights
08 01 70	Operation and Maintenance of Hardware
08 01 71	Operation and Maintenance of Door Hardware
08 01 74	Operation and Maintenance of Access Control Hardware
08 01 75	Operation and Maintenance of Window Hardware
08 01 80	Maintenance of Glazing
08 01 81	Maintenance of Glass Glazing
08 01 84	Maintenance of Plastic Glazing
08 01 88	Maintenance of Special Function Glazing
08 01 90	Operation and Maintenance of Louvers and Vents
08 01 91	Operation and Maintenance of Louvers
08 01 92	Operation and Maintenance of Louvered Equipment Enclosures
08 01 95	Operation and Maintenance of Vents
08 03 00	Conservation Treatment for Period Openings
08 03 11	Conservation Treatment for Period Metal Doors and Frames
08 03 11.13	Conservation Treatment for Period Metal Doors and Frames

08 03 11.23	Conservation Treatment for Period Bronze Doors and Frames
08 03 14	Conservation Treatment for Period Wood Doors
08 03 14.23	Conservation Treatment for Period Metal-Faced Wood Doors
08 03 14.33	Conservation Treatment for Period Stile and Rail Wood Doors
08 03 30	Conservation Treatment for Period Specialty Doors and Frames
08 03 34	Conservation Treatment for Period Special Function Doors
08 03 34.59	Conservation Treatment for Period Vault Doors
08 03 50	Conservation Treatment for Period Windows
08 03 51	Conservation Treatment for Period Metal Windows
08 03 51.16	Conservation Treatment for Period Bronze Windows
08 03 51.23	Conservation Treatment for Period Steel Windows
08 03 52	Conservation Treatment for Period Wood Windows
08 03 70	Conservation Treatment for Period Hardware
08 03 71	Conservation Treatment for Period Door Hardware
08 03 75	Conservation Treatment for Period Window Hardware
08 03 90	Conservation Treatment for Period Louvers and Vents
08 03 91	Conservation Treatment for Period Louvers
08 03 95	Conservation Treatment for Period Vents
08 05 00	Common Work Results for Openings
08 05 05	Selective Demolition for Openings
08 06 00	Schedules for Openings
08 06 10	Door Schedule
08 06 10.13	Door Type Schedule
08 06 10.16	Frame Type Schedule
08 06 40	Schedules for Entrances, Storefronts, and Curtain Walls
08 06 41	Entrance Schedule
08 06 42	Storefront Schedule
08 06 50	Window Schedule
08 06 60	Skylight Schedule
08 06 70	Hardware Schedule
08 06 71	Door Hardware Schedule
08 06 80	Glazing Schedule
08 06 90	Louver and Vent Schedule
08 08 00	Commissioning of Openings
08 10 00	Doors and Frames
08 11 00	Metal Doors and Frames
08 11 13	Hollow Metal Doors and Frames
08 11 13.13	Standard Hollow Metal Doors and Frames
08 11 13.16	Custom Hollow Metal Doors and Frames
08 11 16	Aluminum Doors and Frames
08 11 19	Stainless-Steel Doors and Frames
08 11 23	Bronze Doors and Frames
08 11 63	Metal Screen and Storm Doors and Frames
08 11 63.13	Steel Screen and Storm Doors and Frames
08 11 63.23	Aluminum Screen and Storm Doors and Frames
08 11 66	Metal Screen Doors and Frames
08 11 66.13	Steel Screen Doors and Frames
08 11 66.23	Aluminum Screen Doors and Frames
08 11 69 08 11 69.13	Metal Storm Doors and Frames Steel Storm Doors and Frames
00 11 09.13	Steel Stoffi Doors and Flames

08 11 69.23	Aluminum Storm Doors and Frames
08 11 73	Sliding Metal Fire Doors
08 11 74	Sliding Metal Grilles
08 12 00	Metal Frames
08 12 13	Hollow Metal Frames
08 12 13.13	Standard Hollow Metal Frames
08 12 13.53	Custom Hollow Metal Frames
08 12 16	Aluminum Frames
08 12 19	Stainless-Steel Frames
08 12 23	Bronze Frames
08 13 00	Metal Doors
08 13 13	Hollow Metal Doors
08 13 13.13	Standard Hollow Metal Doors
08 13 13.53	Custom Hollow Metal Doors
08 13 16	Aluminum Doors
08 13 19	Stainless-Steel Doors
08 13 23	Bronze Doors
08 13 73	Sliding Metal Doors
08 13 76	Bifolding Metal Doors
08 14 00	Wood Doors
08 14 13	Carved Wood Doors
08 14 16	Flush Wood Doors
08 14 23	Clad Wood Doors
08 14 23.13	Metal-Faced Wood Doors
08 14 23.16	Plastic-Laminate-Faced Wood Doors
08 14 23.19	Molded-Hardboard-Faced Wood Doors
08 14 29	Prefinished Wood Doors
08 14 33	Stile and Rail Wood Doors
08 14 66	Wood Screen Doors
08 14 69	Wood Storm Doors
08 14 73	Sliding Wood Doors
08 14 76	Bifolding Wood Doors
08 15 00	Plastic Doors
08 15 13	Laminated Plastic Doors
08 15 16	Solid Plastic Doors
08 15 66	Plastic Screen Doors
08 15 69	Plastic Storm Doors
08 15 73	Sliding Plastic Doors
08 15 76	Bifolding Plastic Doors
08 16 00	Composite Doors
08 16 13	Fiberglass Doors
08 16 73	Sliding Composite Doors
08 16 76	Bifolding Composite Doors
08 17 00	Integrated Door Opening Assemblies
08 17 13 08 17 23	Integrated Metal Door Opening Assemblies
08 17 23	Integrated Wood Door Opening Assemblies Integrated Plastic Door Opening Assemblies
08 17 33	Integrated Composite Door Opening Assemblies
08 30 00	Specialty Doors and Frames

08 31 00	Access Doors and Panels
08 31 13	Access Doors and Frames
08 31 13.53	Security Access Doors and Frames
08 31 16	Access Panels and Frames
08 32 00	Sliding Glass Doors
08 32 13	Sliding Aluminum-Framed Glass Doors
08 32 16	Sliding Plastic-Framed Glass Doors
08 32 19	Sliding Wood-Framed Glass Doors
08 33 00	Coiling Doors and Grilles
08 33 13	Coiling Counter Doors
08 33 16	Coiling Counter Grilles
08 33 23	Overhead Coiling Doors
08 33 23.13	Overhead Rapid Coiling Doors
08 33 26	Overhead Coiling Grilles
08 33 33	Side Coiling Doors
08 33 36	Side Coiling Grilles
08 33 43	Overhead Coiling Smoke Curtains
08 33 44	Overhead Coiling Fire Curtains
08 34 00	Special Function Doors
08 34 13	Cold Storage Doors
08 34 16	Hangar Doors
08 34 19	Industrial Doors
08 34 33	Lightproof Doors
08 34 36	Darkroom Doors
08 34 46	Radio-Frequency-Interference Shielding Doors
08 34 49	Radiation Shielding Doors and Frames
08 34 49.13	Neutron Shielding Doors and Frames
08 34 53	Security Doors and Frames
08 34 56	Security Gates
08 34 58	File Room Doors and Frames
08 34 59 08 34 63	Vault Doors and Day Gates Detention Doors and Frames
08 34 63.13	Steel Detention Doors and Frames
08 34 63.16	Steel Plate Detention Doors and Frames
08 34 63.33	Detention Door Frame Protection
08 34 73	Sound Control Door Assemblies
08 35 00	Folding Doors and Grilles
08 35 13	Folding Doors
08 35 13.13	Accordion Folding Doors
08 35 13.23	Accordion Folding Fire Doors
08 35 13.33	Panel Folding Doors
08 35 16	Folding Grilles
08 35 16.13	Accordion Folding Grilles
08 36 00	Panel Doors
08 36 13	Sectional Doors
08 36 16	Single-Panel Doors
08 36 19	Multi-Leaf Vertical Lift Doors
08 36 23	Telescoping Vertical Lift Doors
08 38 00	Traffic Doors
08 38 13	Flexible Strip Doors

08 38 16	Flexible Traffic Doors
08 38 19	Rigid Traffic Doors
08 39 00	Pressure-Resistant Doors
08 39 13	Airtight Doors
08 39 19	Watertight Doors
08 39 53	Blast-Resistant Doors
08 40 00	<b>Entrances, Storefronts, and Curtain Walls</b>
08 41 00	Entrances and Storefronts
08 41 13	Aluminum-Framed Entrances and Storefronts
08 41 13.13	Fire-Rated Aluminum-Framed Entrances and Storefronts
08 41 16	Bronze-Framed Entrances and Storefronts
08 41 19	Stainless-Steel-Framed Entrances and Storefronts
08 41 23	Steel-Framed Entrances and Storefronts
08 41 26	All-Glass Entrances and Storefronts
08 42 00	Entrances
08 42 26	All-Glass Entrances
08 42 29	Automatic Entrances
08 42 29.13	Folding Automatic Entrances
08 42 29.23	Sliding Automatic Entrances
08 42 29.33	Swinging Automatic Entrances
08 42 33	Revolving Door Entrances
08 42 33.13	Security Revolving Door Entrances
08 42 36 08 42 39	Balanced Door Entrances Pressure-Resistant Entrances
08 42 43	Intensive Care Unit/Critical Care Unit Entrances
08 43 00	Storefronts
08 43 11	Timber-Framed Storefronts
08 43 13 08 43 13.13	Aluminum-Framed Storefronts Fire-Rated Aluminum Storefronts
08 43 16	Bronze-Framed Storefronts
08 43 19	Stainless-Steel-Framed Storefronts
08 43 23	Steel-Framed Storefronts
08 43 26	All-Glass Storefronts
08 43 27	Channel Glass Storefronts
08 43 29	Sliding Storefronts
08 44 00	Curtain Wall and Glazed Assemblies
08 44 11	Glazed Timber Curtain Walls
08 44 12	Glazed Composite Curtain Wall
08 44 12.13	Glazed Fiberglass Curtain Wall
08 44 13	Glazed Aluminum Curtain Walls
08 44 16	Glazed Bronze Curtain Walls
08 44 18	Glazed Steel Curtain Walls
08 44 19	Glazed Stainless-Steel Curtain Walls
08 44 23	Structural Sealant Glazed Curtain Walls
08 44 26	Structural Glass Curtain Walls
08 44 26.19	Point Supported Structural Glass
08 44 33	Sloped Glazing Assemblies
08 45 00	Translucent Wall and Roof Assemblies
08 45 13	Structured-Polycarbonate-Panel Assemblies

08 45 23	Fiberglass-Sandwich-Panel Assemblies
08 50 00	Windows
08 51 00	Metal Windows
08 51 13	Aluminum Windows
08 51 16	Bronze Windows
08 51 19	Stainless-Steel Windows
08 51 23	Steel Windows
08 51 66	Metal Window Screens
08 51 69	Metal Storm Windows
08 52 00	Wood Windows
08 52 13	Metal-Clad Wood Windows
08 52 16	Plastic-Clad Wood Windows
08 52 66	Wood Window Screens
08 52 69	Wood Storm Windows
08 53 00	Plastic Windows
08 53 13	Vinyl Windows
08 53 66	Vinyl Window Screens
08 53 69	Vinyl Storm Windows
08 54 00	Composite Windows
08 54 13	Fiberglass Windows
08 54 66 08 54 69	Fiberglass Window Screens
<b>08 55 00</b>	Fiberglass Storm Windows  Pressure-Resistant Windows
08 55 13	Tornado-Resistant Windows
08 55 23	Blast-Resistant Windows
<b>08 56 00</b>	
08 56 19	Special Function Windows Pass Windows
08 56 46	Radio-Frequency-Interference Shielding Windows
08 56 49	Radiation Shielding Windows
08 56 53	Security Windows
08 56 56	Security Window Screens
08 56 59	Service and Teller Window Units
08 56 63	Detention Windows
08 56 66	Detention Window Screens
08 56 73	Sound Control Windows
08 56 88	Interior Insulating Windows
08 60 00	Roof Windows and Skylights
08 61 00	Roof Windows
08 61 13	Metal Roof Windows
08 61 16	Wood Roof Windows
08 62 00	Unit Skylights
08 62 13	Domed Unit Skylights
08 62 16	Pyramidal Unit Skylights
08 62 19	Vaulted Unit Skylights
08 62 23	Tubular Skylights
08 63 00	Metal-Framed Skylights
08 63 13	Domed Metal-Framed Skylights

08 63 16 08 63 19 08 63 23	Pyramidal Metal-Framed Skylights Vaulted Metal-Framed Skylights Ridge Metal-Framed Skylights
08 63 53	Motorized Metal-Framed Skylights
08 64 00	Plastic-Framed Skylights
08 67 00	Skylight Protection and Screens
08 70 00	Hardware
08 71 00	Door Hardware
08 71 13	Automatic Door Operators
08 71 53	Security Door Hardware
08 71 63	Detention Door Hardware
08 74 00	Access Control Hardware
08 74 13	Card Key Access Control Hardware
08 74 16	Keypad Access Control Hardware
08 74 19	Biometric Identity Access Control Hardware
08 75 00	Window Hardware
08 75 13	Automatic Window Equipment
08 75 16	Window Operators
08 78 00	Special Function Hardware
08 79 00	Hardware Accessories
08 79 13	Key Storage Equipment
08 80 00	Glazing
08 81 00	Glass Glazing
08 81 13	Decorative Glass Glazing
08 83 00	Mirrors
08 83 13	Mirrored Glass Glazing
08 83 16	Mirrored Plastic Glazing
08 84 00	Plastic Glazing
08 84 13	Decorative Plastic Glazing
08 85 00	Glazing Accessories
08 87 00	Glazing Surface Films
08 87 13	Solar Control Films
08 87 23 08 87 23.13	Safety and Security Films Safety Films
08 87 23.16	Security Films
08 87 26	Bird Control Film
08 87 33	Decorative Films
08 88 00	Special Function Glazing
08 88 13	Fire-Resistant Glazing
08 88 19	Hurricane-Resistant Glazing
08 88 23 08 88 33	Cable Suspended Glazing Transparent Mirrored Glazing
08 88 36	Switchable Glass
08 88 36.16	Electronically Controlled Switchable Glass
08 88 39	Pressure-Resistant Glazing
08 88 49	Radiation-Resistant Glazing

08 88 53 08 88 56	Security Glazing Ballistics-Resistant Glazing
	· ·
08 90 00	Louvers and Vents
08 91 00	Louvers
08 91 13	Motorized Wall Louvers
08 91 16	Operable Wall Louvers
08 91 19	Fixed Louvers
08 91 26	Door Louvers
08 92 00	<b>Louvered Equipment Enclosures</b>
08 95 00	Vents
08 95 13	Soffit Vents
08 95 16	Wall Vents
08 95 33	Explosion Vents
08 95 43	Flood Vents

09 05 61

09 05 71

09 05 61.13

## 09 00 00 **Finishes Maintenance of Finishes** 09 01 00 09 01 20 Maintenance of Plaster and Gypsum Board 09 01 20.91 Plaster Restoration Maintenance of Tiling 09 01 30 09 01 30.91 Tile Restoration Maintenance of Ceilings 09 01 50 Ceiling Restoration 09 01 50.91 Maintenance of Flooring 09 01 60 09 01 60.91 Flooring Restoration 09 01 70 Maintenance of Wall Finishes 09 01 70.91 Wall Finish Restoration 09 01 80 Maintenance of Acoustic Treatment 09 01 90 Maintenance of Painting and Coating 09 01 90.51 Paint Cleaning Maintenance Repainting 09 01 90.52 Maintenance Coatings 09 01 90.53 09 01 90.61 Repainting Paint Restoration 09 01 90.91 Coating Restoration 09 01 90.92 Paint Preservation 09 01 90.93 Conservation Treatment of Period Finishes 09 03 00 09 03 21 Conservation Treatment for Period Plaster Assemblies 09 03 25 Conservation Treatment for Period Plastering 09 03 25.23 Conservation Treatment for Period Lime-Based Plaster 09 03 30 Conservation Treatment for Period Tile 09 03 50 Conservation Treatment for Period Ceilings Conservation Treatment for Period Suspended Ceilings 09 03 51 Conservation Treatment for Textured Ceilings 09 03 56 Conservation Treatment for Period Metal-Panel Textured Ceilings 09 03 56.16 Conservation Treatment for Period Flooring 09 03 60 Conservation Treatment for Period Masonry Flooring 09 03 63 09 03 63.13 Conservation Treatment for Period Brick Flooring 09 03 63.40 Conservation Treatment for Period Stone Flooring Conservation Treatment for Period Wood Flooring 09 03 64 Conservation Treatment for Period Wood Strip and Plank Flooring 09 03 64.29 Conservation Treatment for Period Resilient Flooring 09 03 65 09 03 65.16 Conservation Treatment for Period Resilient Sheet Flooring 09 03 66 Conservation Treatment for Period Terrazzo Flooring 09 03 70 Conservation Treatment for Period Wall Finishes 09 03 72 Conservation Treatment for Period Wall Coverings Conservation Treatment for Period Painting and Coating 09 03 90 Conservation Treatment for Period Painted Surfaces 09 03 91 Conservation Treatment for Period Exterior Painting 09 03 91.13 Conservation Treatment for Period Interior Painting 09 03 91.23 09 05 00 Common Work Results for Finishes 09 05 05 Selective Demolition for Finishes 09 05 13 Common Finishes

Common Work Results for Flooring Preparation

Moisture Vapor Emission Control

Acoustic Underlayment

09 06 00	Schedules for Finishes
09 06 00.13	Room Finish Schedule
09 06 20	Schedules for Plaster and Gypsum Board
09 06 30	Schedules for Tiling
09 06 50	Schedules for Ceilings
09 06 60	Schedules for Flooring
09 06 70	Schedules for Wall Finishes
09 06 80	Schedules for Acoustical Treatment
09 06 90	Schedules for Painting and Coating
09 06 90.13	Paint Schedule
09 08 00	Commissioning of Finishes
09 20 00	Plaster and Gypsum Board
09 21 00	Plaster and Gypsum Board Assemblies
09 21 13	Plaster Assemblies
09 21 16	Gypsum Board Assemblies
09 21 16.23	Gypsum Board Shaft Wall Assemblies
09 21 16.33	Gypsum Board Area Separation Wall Assemblies
09 22 00	Supports for Plaster and Gypsum Board
09 22 13	Metal Furring
09 22 13.13	Metal Channel Furring
09 22 13.23 09 22 16	Resilient Channel Furring Non-Structural Metal Framing
09 22 16.13	Non-Structural Metal Stud Framing
09 22 26	Suspension Systems
09 22 26.23	Metal Suspension Systems
09 22 26.33	Plastic Suspension Systems
09 22 36	Lath
09 22 36.13	Gypsum Lath
09 22 36.23	Metal Lath
09 22 39	Veneer Plaster Base
09 23 00	Gypsum Plastering
09 23 13	Acoustical Gypsum Plastering
09 23 82	Fireproof Gypsum Plastering
09 24 00	Cement Plastering
09 24 13	Adobe Finish
09 24 23	Cement Stucco
09 24 33	Cement Parging
09 25 00	Other Plastering
09 25 13	Acrylic Plastering
09 25 13.13	Acrylic Plaster Finish
09 25 23	Lime Based Plastering
09 25 26	Natural Clay Plastering
09 26 00	Veneer Plastering
09 26 13	Gypsum Veneer Plastering
09 27 00	Plaster Fabrications
09 27 13	Glass-Fiber-Reinforced Gypsum Fabrications
09 27 23	Simulated Plaster Fabrications
09 28 00	Racking Roards and Underlayments

09 28 13 09 28 16	Cementitious Backing Boards Glass-Mat Faced Gypsum Backing Boards
09 28 19	Fibered Gypsum Backing Boards
<b>09 29 00</b> 09 29 82	Gypsum Board
	Gypsum Board Fireproofing
09 30 00	Tiling
09 30 13	Ceramic Tiling
09 30 16	Quarry Tiling
09 30 19 09 30 23	Paver Tiling Glass Mosaic Tiling
09 30 26	Plastic Tiling
09 30 29	Metal Tiling
09 30 33	Stone Tiling
09 30 36	Concrete Tiling
09 30 39	Brick Tiling
09 31 00	Thin-Set Tiling
09 31 13	Thin-Set Ceramic Tiling
09 31 16	Thin-Set Quarry Tiling
09 31 19 09 31 23	Thin-Set Paver Tiling Thin-Set Glass Mosaic Tiling
09 31 23	Thin-Set Glass Mosaic Tiling Thin-Set Plastic Tiling
09 31 29	Thin-Set Metal Tiling
09 31 33	Thin-Set Stone Tiling
09 31 36	Thin-Set Concrete Tiling
09 32 00	Mortar-Bed Tiling
09 32 00	Mortai Bea illing
09 32 13	Mortar-Bed Ceramic Tiling
09 32 13 09 32 16	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling
09 32 13 09 32 16 09 32 19	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling
09 32 13 09 32 16 09 32 19 09 32 23	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 <b>09 33 00</b> 09 33 13 09 33 16	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 <b>09 33 00</b> 09 33 13 09 33 16 09 33 19	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Quarry Tiling Conductive Paver Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 <b>09 33 00</b> 09 33 13 09 33 16 09 33 19 09 33 23	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 <b>09 33 00</b> 09 33 13 09 33 16 09 33 19 09 33 23 09 33 26	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 <b>09 33 00</b> 09 33 13 09 33 16 09 33 19 09 33 23 09 33 23 09 33 26 09 33 29	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 <b>09 33 00</b> 09 33 13 09 33 16 09 33 19 09 33 23 09 33 26	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 <b>09 33 00</b> 09 33 13 09 33 16 09 33 19 09 33 23 09 33 23 09 33 29 09 33 33	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Concrete Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36 <b>09 33 00</b> 09 33 13 09 33 16 09 33 19 09 33 23 09 33 26 09 33 29 09 33 33 09 33 33	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36  09 33 00 09 33 13 09 33 16 09 33 19 09 33 23 09 33 23 09 33 26 09 33 29 09 33 29 09 33 33 09 33 36  09 34 13 09 34 13	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Plastic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Stone Tiling Waterproofing-Membrane Tiling Waterproofing-Membrane Ceramic Tiling Waterproofing-Membrane Quarry Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36  09 33 00 09 33 13 09 33 16 09 33 19 09 33 23 09 33 23 09 33 26 09 33 29 09 33 33 09 33 36  09 34 10 09 34 13 09 34 16 09 34 19	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Concrete Tiling Waterproofing-Membrane Tiling Waterproofing-Membrane Quarry Tiling Waterproofing-Membrane Quarry Tiling Waterproofing-Membrane Paver Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36  09 33 00 09 33 13 09 33 16 09 33 19 09 33 23 09 33 23 09 33 23 09 33 29 09 33 33 09 33 36  09 34 13 09 34 13 09 34 16 09 34 19 09 34 23	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Concrete Tiling Waterproofing-Membrane Tiling Waterproofing-Membrane Quarry Tiling Waterproofing-Membrane Paver Tiling Waterproofing-Membrane Paver Tiling Waterproofing-Membrane Paver Tiling Waterproofing-Membrane Glass Mosaic Tiling
09 32 13 09 32 16 09 32 19 09 32 23 09 32 26 09 32 29 09 32 33 09 32 36  09 33 00 09 33 13 09 33 16 09 33 19 09 33 23 09 33 23 09 33 26 09 33 29 09 33 33 09 33 36  09 34 10 09 34 13 09 34 16 09 34 19	Mortar-Bed Ceramic Tiling Mortar-Bed Quarry Tiling Mortar-Bed Paver Tiling Mortar-Bed Glass Mosaic Tiling Mortar-Bed Plastic Tiling Mortar-Bed Metal Tiling Mortar-Bed Stone Tiling Mortar-Bed Concrete Tiling Conductive Tiling Conductive Ceramic Tiling Conductive Quarry Tiling Conductive Paver Tiling Conductive Glass Mosaic Tiling Conductive Plastic Tiling Conductive Metal Tiling Conductive Stone Tiling Conductive Concrete Tiling Waterproofing-Membrane Tiling Waterproofing-Membrane Quarry Tiling Waterproofing-Membrane Quarry Tiling Waterproofing-Membrane Paver Tiling

09 34 33	Waterproofing-Membrane Stone Tiling
09 34 36	Waterproofing-Membrane Concrete Tiling
09 35 00	Chemical-Resistant Tiling
09 35 13	Chemical-Resistant Ceramic Tiling
09 35 16	Chemical-Resistant Quarry Tiling
09 35 19	Chemical-Resistant Paver Tiling
09 35 23	Chemical Resistant Blastic Tiling
09 35 26 09 35 29	Chemical-Resistant Plastic Tiling Chemical-Resistant Metal Tiling
09 35 33	Chemical-Resistant Stone Tiling
09 35 36	Chemical-Resistant Concrete Tiling
09 50 00	Ceilings
09 51 00	Acoustical Ceilings
09 51 13	Acoustical Panel Ceilings
09 51 14	Acoustical Fabric-Faced Panel Ceilings
09 51 23	Acoustical Tile Ceilings
09 51 26	Acoustical Wood Ceilings
09 51 33	Acoustical Metal Pan Ceilings
09 51 33.13	Acoustical Snap-in Metal Pan Ceilings
09 51 53	Direct-Applied Acoustical Ceilings
09 53 00	Acoustical Ceiling Suspension Assemblies
09 53 13	Curved Profile Ceiling Suspension Assemblies
09 53 23 09 53 33	Metal Acoustical Ceiling Suspension Assemblies
09 33 33	Plastic Acoustical Ceiling Suspension Assemblies
00 54 00	Specialty Coilings
09 54 00	Specialty Ceilings
09 54 13	Open Metal Mesh Ceilings
09 54 13 09 54 16	Open Metal Mesh Ceilings Luminous Ceilings
09 54 13 09 54 16 09 54 19	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings
09 54 13 09 54 16	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings
09 54 13 09 54 16 09 54 19 09 54 23	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 00</b>	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings  Textured Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 00</b> 09 56 13	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings  Textured Ceilings Gypsum-Panel Textured Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 00</b> 09 56 13 09 56 16	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings  Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 00</b> 09 56 13 09 56 16 <b>09 57 00</b>	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings  Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings  Special Function Ceilings
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 00</b> 09 56 13 09 56 16 <b>09 57 00</b> 09 57 53	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings  Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings  Special Function Ceilings Security Ceiling Assemblies
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 00</b> 09 56 13 09 56 16 <b>09 57 00</b> 09 57 53 <b>09 58 00</b>	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings  Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 00</b> 09 56 13 09 56 16 <b>09 57 00</b> 09 57 53 <b>09 58 00</b> <b>09 60 00</b>	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings  Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 00</b> 09 56 13 09 56 16 <b>09 57 00</b> 09 57 53 <b>09 58 00</b> <b>09 61 00</b>	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring Flooring Treatment
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 13</b> 09 56 13 09 56 16 <b>09 57 00</b> 09 57 53 <b>09 58 00</b> <b>09 61 00</b> 09 61 13	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring Flooring Treatment Slip-Resistant Flooring Treatment
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 13</b> 09 56 13 09 56 16 <b>09 57 00</b> 09 57 53 <b>09 58 00</b> <b>09 61 00</b> 09 61 13 09 61 19	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Special Function Ceilings Flooring Flooring Flooring Treatment Slip-Resistant Flooring Treatment Concrete Floor Staining
09 54 13 09 54 16 09 54 19 09 54 23 09 54 26 09 54 33 09 54 36 09 54 43 09 54 46 09 54 53 <b>09 56 13</b> 09 56 13 09 56 16 <b>09 57 00</b> 09 57 53 <b>09 58 00</b> <b>09 61 00</b> 09 61 13	Open Metal Mesh Ceilings Luminous Ceilings Mirror Panel Ceilings Linear Metal Ceilings Suspended Wood Ceilings Decorative Panel Ceilings Suspended Decorative Grids Stretched-Fabric Ceiling Systems Fabric-Wrapped Ceiling Panels Fiberglass Reinforced Panel Ceilings Textured Ceilings Gypsum-Panel Textured Ceilings Metal-Panel Textured Ceilings Special Function Ceilings Security Ceiling Assemblies Integrated Ceiling Assemblies Flooring Flooring Treatment Slip-Resistant Flooring Treatment

09 62 13 09 62 19 09 62 23 09 62 26 09 62 29 09 62 35	Asphaltic Plank Flooring Laminate Flooring Bamboo Flooring Leather Flooring Cork Flooring Acid-Resistant Flooring
09 62 48	Acoustic Flooring
09 62 53 09 62 63	Synthetic Turf Flooring Metal Flooring
09 62 63.13	Aluminum Flooring
09 62 63.16	Stainless Steel Flooring
09 62 83 <b>09 63 00</b>	Structural Glass Flooring  Masonry Flooring
09 63 13	Masonry Flooring Brick Flooring
09 63 13.35	Chemical-Resistant Brick Flooring
09 63 40	Stone Flooring
09 63 43	Composition Stone Flooring
09 64 00	Wood Flooring
09 64 16 09 64 19	Wood Block Flooring Wood Composition Flooring
09 64 23	Wood Parquet Flooring
09 64 23.13	Acrylic-Impregnated Wood Parquet Flooring
09 64 29	Wood Strip and Plank Flooring
09 64 33 09 64 53	Laminated Wood Flooring Resilient Wood Flooring Assemblies
	receiled trees receiling receilmence
09 64 66	Wood Athletic Flooring
	Wood Athletic Flooring Resilient Flooring
09 64 66 <b>09 65 00</b> 09 65 13	Resilient Flooring Resilient Base and Accessories
09 64 66 <b>09 65 00</b> 09 65 13 09 65 13.13	Resilient Flooring Resilient Base and Accessories Resilient Base
09 64 66 <b>09 65 00</b> 09 65 13 09 65 13.13 09 65 13.23	Resilient Flooring Resilient Base and Accessories Resilient Base Resilient Stair Treads and Risers
09 64 66 <b>09 65 00</b> 09 65 13 09 65 13.13 09 65 13.23 09 65 13.26 09 65 13.33	Resilient Flooring Resilient Base and Accessories Resilient Base Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories
09 64 66 <b>09 65 00</b> 09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36	Resilient Flooring Resilient Base and Accessories Resilient Base Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions
09 64 66 <b>09 65 00</b> 09 65 13  09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16	Resilient Flooring Resilient Base and Accessories Resilient Base Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring
09 64 66 <b>09 65 00</b> 09 65 13  09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16.23  09 65 16.33	Resilient Flooring Resilient Base and Accessories Resilient Base Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring
09 64 66 <b>09 65 00</b> 09 65 13.09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16.23  09 65 16.33  09 65 16.43	Resilient Flooring Resilient Base and Accessories Resilient Base Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring
09 64 66 <b>09 65 00</b> 09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16.23  09 65 16.33  09 65 16.43  09 65 19	Resilient Flooring Resilient Base and Accessories Resilient Base Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring
09 64 66  09 65 00  09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16.23  09 65 16.23  09 65 16.33  09 65 19  09 65 19  09 65 19.19  09 65 19.23	Resilient Flooring Resilient Base and Accessories Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring
09 64 66  09 65 00  09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16.23  09 65 16.23  09 65 16.43  09 65 19  09 65 19.19  09 65 19.23  09 65 19.33	Resilient Flooring Resilient Base and Accessories Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring Rubber Tile Flooring
09 64 66  09 65 00  09 65 13.09  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16  09 65 16.23  09 65 16.33  09 65 16.43  09 65 19  09 65 19.19  09 65 19.23  09 65 19.33  09 65 19.43	Resilient Flooring Resilient Base and Accessories Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring Rubber Tile Flooring Polyester Composition Tile Flooring
09 64 66  09 65 00  09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16.23  09 65 16.23  09 65 16.43  09 65 19  09 65 19.19  09 65 19.23  09 65 19.33	Resilient Flooring Resilient Base and Accessories Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring Rubber Tile Flooring
09 64 66  09 65 00  09 65 13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16  09 65 16.23  09 65 16.33  09 65 16.43  09 65 19  09 65 19  09 65 19.19  09 65 19.23  09 65 19.23  09 65 19.33  09 65 19.43  09 65 36  09 65 36	Resilient Flooring Resilient Base and Accessories Resilient Stair Treads and Risers Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring Rubber Tile Flooring Rubber Tile Flooring Static-Control Resilient Flooring Static-Dissipative Resilient Flooring
09 64 66  09 65 00  09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16  09 65 16.23  09 65 16.23  09 65 16.43  09 65 19  09 65 19  09 65 19.19  09 65 19.23  09 65 19.23  09 65 19.33  09 65 19.43  09 65 33  09 65 36  09 65 36.13  09 65 36.16	Resilient Flooring Resilient Base and Accessories Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring Rubber Tile Flooring Static-Control Resilient Flooring Static-Dissipative Resilient Flooring Static-Resistant Resilient Flooring
09 64 66  09 65 00  09 65 13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16  09 65 16.23  09 65 16.33  09 65 16.43  09 65 19  09 65 19  09 65 19.19  09 65 19.23  09 65 19.23  09 65 19.33  09 65 19.43  09 65 36  09 65 36	Resilient Flooring Resilient Base and Accessories Resilient Stair Treads and Risers Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring Rubber Tile Flooring Rubber Tile Flooring Static-Control Resilient Flooring Static-Dissipative Resilient Flooring
09 64 66  09 65 00  09 65 13.13  09 65 13.23  09 65 13.26  09 65 13.33  09 65 13.36  09 65 16  09 65 16  09 65 16.23  09 65 16.23  09 65 16.43  09 65 19  09 65 19  09 65 19.19  09 65 19.23  09 65 19.23  09 65 19.33  09 65 19.43  09 65 33  09 65 36  09 65 36.13  09 65 43	Resilient Flooring Resilient Base and Accessories Resilient Stair Treads and Risers Resilient Stair Nosings Resilient Accessories Resilient Accessories Resilient Carpet Transitions Resilient Sheet Flooring Vinyl Sheet Flooring Rubber Sheet Flooring PVC-Free Sheet Flooring Resilient Tile Flooring Vinyl Composition Tile Flooring Vinyl Tile Flooring Rubber Tile Flooring Static-Control Resilient Flooring Conductive Resilient Flooring Static-Dissipative Resilient Flooring Static-Resistant Resilient Flooring Linoleum Flooring

	09 66 13.16	Monolithic Terrazzo Flooring
	09 66 13.19 09 66 13.23	Bonded Terrazzo Flooring Palladina Terrazzo Flooring
	09 66 13.26	Rustic Terrazzo Flooring
	09 66 13.33	Structural Terrazzo Flooring
	09 66 16	Terrazzo Floor Tile
	09 66 16.13	Portland Cement Terrazzo Floor Tile
	09 66 16.16	Plastic-Matrix Terrazzo Floor Tile
	09 66 23	Resinous Matrix Terrazzo Flooring
	09 66 23.13 09 66 23.16	Polyacrylate Modified Cementitious Terrazzo Flooring Epoxy-Resin Terrazzo Flooring
	09 66 23.19	Polyester-Resin Terrazzo Flooring
	09 66 33	Conductive Terrazzo Flooring
	09 66 33.13	Conductive Epoxy-Resin Terrazzo
	09 66 33.16	Conductive Polyester-Resin Terrazzo Flooring
	09 66 33.19	Conductive Plastic-Matrix Terrazzo Flooring
09	67 00	Fluid-Applied Flooring
	09 67 13	Elastomeric Liquid Flooring
	09 67 13.33	Conductive Elastomeric Liquid Flooring
	09 67 16	Epoxy-Marble Chip Flooring
	09 67 19	Magnesium-Oxychloride Flooring
	09 67 23	Resinous Flooring
	09 67 26 09 67 66	Quartz Flooring Fluid-Applied Athletic Flooring
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U9	68 00	Carpeting
	09 68 13	Tile Carpeting
00	09 68 16	Sheet Carpeting
U9	69 00	Access Flooring
	09 69 13	Rigid-Grid Access Flooring
	09 69 16	Snap-on Stringer Access Flooring
	09 69 19 09 69 33	Stringerless Access Flooring Low-Profile Fixed Height Access Flooring
	09 69 53	Access Flooring Accessories
	09 69 56	Access Flooring Stairs and Stringers
ΛO	70 00	Wall Finishes
09	72 00	Wall Coverings
	09 72 13	Cork Wall Coverings
	09 72 16	Vinyl-Coated Fabric Wall Coverings
	09 72 16.13 09 72 16.16	Flexible Vinyl Wall Coverings Rigid-Sheet Vinyl Wall Coverings
	09 72 10 10	Textile Wall Coverings
	09 72 23	Wallpapering
09	73 00	Wall Carpeting
	74 00	Flexible Wood Sheets
UĐ	09 74 13	Wood Wall Coverings
	09 74 13	Flexible Wood Veneers
NΩ	<b>75 00</b>	
UJ	09 75 13	Stone Facing
	09 75 13	Stone Wall Facing Stone Trim

09 76 00	Plastic Blocks
09 77 00	Special Wall Surfacing
09 77 13	Stretched-Fabric Wall Systems
09 77 23	Fabric-Wrapped Panels
09 77 33	Terrazzo Wall Finish
09 77 53	Vegetated Wall Systems
09 78 00	Interior Wall Paneling
09 78 13	Metal Interior Wall Paneling
09 78 16	Stone-Faced Interior Wall Paneling
09 80 00	Acoustic Treatment
09 81 00	Acoustic Insulation
09 81 13	Acoustic Board Insulation
09 81 16	Acoustic Blanket Insulation
09 81 29	Sprayed Acoustic Insulation
09 83 00	Acoustic Finishes
09 83 13	Acoustic Wall Coating
09 83 16 09 83 22	Acoustic Ceiling Coating
09 84 00	Acoustic Poom Components
09 84 13	Acoustic Room Components
09 84 14	Fixed Sound-Absorptive Panels Acoustic Stretched-Fabric Wall Systems
09 84 16	Fixed Sound-Reflective Panels
09 84 23	Moveable Sound-Absorptive Panels
09 84 26	Moveable Sound-Reflective Panels
09 84 33	Sound-Absorbing Wall Units
09 84 36	Sound-Absorbing Ceiling Units
09 90 00	Painting and Coating
09 91 00	Painting
09 91 13	Exterior Painting
09 91 23	Interior Painting
09 93 00	Staining and Transparent Finishing
09 93 13	Exterior Staining and Finishing
09 93 13.13 09 93 13.53	Exterior Staining Exterior Finishing
09 93 23	Interior Staining and Finishing
09 93 23.13	Interior Staining
09 93 23.53	Interior Finishing
09 94 00	Decorative Finishing
09 94 13	Textured Finishing
09 94 16	Faux Finishing
09 94 19	Multicolor Interior Finishing
09 96 00	High-Performance Coatings
09 96 13 09 96 23	Abrasion-Resistant Coatings Graffiti-Resistant Coatings
09 96 26	Marine Coatings
09 96 33	High-Temperature-Resistant Coatings
09 96 35	Chemical-Resistant Coatings

09 96 43	Fire-Retardant Coatings
09 96 46	Intumescent Painting
09 96 53	Elastomeric Coatings
09 96 56	Epoxy Coatings
09 96 59	High-Build Glazed Coatings
09 96 63	Textured Plastic Coatings
09 96 66	Aggregate Wall Coatings
09 97 00	Special Coatings
09 97 13	Steel Coatings
09 97 13.13	Interior Steel Coatings
09 97 13.23	Exterior Steel Coatings
09 97 23	Concrete and Masonry Coatings
09 97 26	Cementitious Coatings
09 97 26.13	Interior Cementitious Coatings
09 97 26.23	Exterior Cementitious Coatings
09 97 35	Dry Erase Coatings

10 00 00	Specialties
10 00 00	Operation and Maintenance of Specialties
10 01 10	Operation and Maintenance of Information Specialties
10 01 20	Operation and Maintenance of Interior Specialties
10 01 30	Operation and Maintenance of Fireplaces and Stoves
10 01 40 10 01 50	Operation and Maintenance of Safety Specialties
10 01 30	Operation and Maintenance of Storage Specialties Operation and Maintenance of Exterior Specialties
10 01 80	Operation and Maintenance of Other Specialties
10 05 00	<b>Common Work Results for Specialties</b>
10 05 05	Selective Demolition for Specialties
10 06 00	Schedules for Specialties
10 06 10	Schedules for Information Specialties
10 06 10.13	Exterior Signage Schedule
10 06 10.16	Interior Signage Schedule
10 06 20 10 06 20.13	Schedules for Interior Specialties Toilet, Bath, and Laundry Accessory Schedule
10 06 30	Schedules for Fireplaces and Stoves
10 06 40	Schedules for Safety Specialties
10 06 50	Schedules for Storage Specialties
10 06 70	Schedules for Exterior Specialties
10 06 80	Schedules for Other Specialties
10 08 00	Commissioning of Specialties
10 10 00	Information Specialties
10 11 00	Visual Display Units
10 11 13	Chalkboards
10 11 13.13	Fixed Chalkboards  Madular Support Mounted Chalkboards
10 11 13.23 10 11 13.33	Modular-Support-Mounted Chalkboards Rail-Mounted Chalkboards
10 11 13.43	Portable Chalkboards
10 11 16	Markerboards
10 11 16.13	Fixed Markerboards  Madular Support Mounted Markerboards
10 11 16.23 10 11 16.33	Modular-Support-Mounted Markerboards Rail-Mounted Markerboards
10 11 16.43	Portable Markerboards
10 11 16.53	Electronic Markerboards
10 11 23 10 11 23.13	Tackboards Fixed Tackboards
10 11 23.13	Modular-Support-Mounted Tackboards
10 11 23.33	Rail-Mounted Tackboards
10 11 23.43	Portable Tackboards
10 11 33 10 11 33.13	Sliding Visual Display Units Horizontal-Sliding Visual Display Units
10 11 33.13	Vertical-Sliding Visual Display Units
10 11 36	Visual Display Conference Units
10 11 39	Visual Display Rails
10 11 43	Visual Display Vall Panels
10 11 46	Visual Display Fabrics
10 12 00	Display Cases

10 13 00	Directories
10 13 13	Electronic Directories
10 13 23	Illuminated Directories
10 14 00	Signage
10 14 16	Plaques
10 14 19	Dimensional Letter Signage
10 14 23 10 14 23.13	Panel Signage Engraved Panel Signage
10 14 26	Post and Panel/Pylon Signage
10 14 33	Illuminated Panel Signage
10 14 43	Photoluminescent Signage
10 14 53	Traffic Signage
10 14 53.13	Transportation Reference Markers
10 14 63	Electronic Message Signage
10 14 64	Audible Signage
10 14 66 10 14 67	Floating Signage Tactile Signage
10 17 00	
10 17 00	Telephone Specialties Telephone Directory Units
10 17 13	Telephone Enclosures
10 17 16 13	Telephone Stalls
10 17 16.16	Telephone Alcoves
10 17 19	Telephone Shelving
10 18 00	Informational Kiosks
10 20 00	Interior Specialties
10 21 00	
	Compartments and Cubicles Toilet Compartments
<b>10 21 00</b> 10 21 13 10 21 13.13	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40 10 21 16 10 21 16.13	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40 10 21 16 10 21 16.13 10 21 16.16	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40 10 21 16.13 10 21 16.13 10 21 16.16 10 21 16.19	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40 10 21 16 10 21 16.13 10 21 16.16	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments
10 21 00 10 21 13 10 21 13.13 10 21 13.16 10 21 13.19 10 21 13.23 10 21 13.40 10 21 16.13 10 21 16.13 10 21 16.16 10 21 16.19 10 21 16.23	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16.13  10 21 16.16  10 21 16.19  10 21 16.23  10 21 23  10 21 23.13	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16.13  10 21 16.16  10 21 16.19  10 21 16.23  10 21 23  10 21 23.13  10 21 23.13	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Track and Hardware
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16.13  10 21 16.16  10 21 16.19  10 21 16.23  10 21 16.40  10 21 23.13  10 21 23.16  10 21 26	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains Cubicle Track and Hardware Room Darkening Curtains and Tracks
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16.13  10 21 16.16  10 21 16.19  10 21 16.23  10 21 16.40  10 21 23  10 21 23.13  10 21 23.16  10 21 26  10 22 00	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains Cubicle Track and Hardware Room Darkening Curtains and Tracks  Partitions
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16  10 21 16.13  10 21 16.16  10 21 16.23  10 21 16.40  10 21 23  10 21 23.13  10 21 23.16  10 21 26  10 22 00  10 22 13	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains Cubicle Track and Hardware Room Darkening Curtains and Tracks  Partitions Wire Mesh Partitions
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16  10 21 16.13  10 21 16.16  10 21 16.19  10 21 16.23  10 21 16.40  10 21 23  10 21 23.13  10 21 23.16  10 21 26  10 22 00  10 22 13  10 22 14	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains Cubicle Track and Hardware Room Darkening Curtains and Tracks  Partitions Wire Mesh Partitions Expanded Metal Partitions
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16  10 21 16.13  10 21 16.16  10 21 16.23  10 21 16.40  10 21 23  10 21 23.13  10 21 23.16  10 21 26  10 22 00  10 22 13	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains Cubicle Track and Hardware Room Darkening Curtains and Tracks  Partitions Wire Mesh Partitions
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16.13  10 21 16.16  10 21 16.19  10 21 16.23  10 21 16.40  10 21 23  10 21 23.13  10 21 23.16  10 21 26  10 22 00  10 22 13  10 22 14  10 22 16	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains Cubicle Track and Hardware Room Darkening Curtains and Tracks  Partitions Wire Mesh Partitions Expanded Metal Partitions Folding Gates
10 21 00  10 21 13  10 21 13.13  10 21 13.16  10 21 13.19  10 21 13.23  10 21 13.40  10 21 16.13  10 21 16.16  10 21 16.19  10 21 16.23  10 21 16.40  10 21 23  10 21 23.13  10 21 23.16  10 21 26  10 22 00  10 22 13  10 22 14  10 22 16  10 22 19	Compartments and Cubicles Toilet Compartments Metal Toilet Compartments Plastic-Laminate-Clad Toilet Compartments Plastic Toilet Compartments Particleboard Toilet Compartments Stone Toilet Compartments Stone Toilet Compartments Shower and Dressing Compartments Metal Shower and Dressing Compartments Plastic-Laminate-Clad Shower and Dressing Compartments Plastic Shower and Dressing Compartments Particleboard Shower and Dressing Compartments Stone Shower and Dressing Compartments Cubicle Curtains and Track Cubicle Curtains and Track Cubicle Track and Hardware Room Darkening Curtains and Tracks  Partitions Wire Mesh Partitions Expanded Metal Partitions Folding Gates Demountable Partitions

	10 22 19.43	Demountable Composite Partitions
	10 22 19.53	Demountable Gypsum Partitions
	10 22 23	Portable Partitions, Screens, and Panels
	10 22 23.13	Wall Screens
	10 22 23.23	Movable Panel Systems
	10 22 33	Accordion Folding Partitions
	10 22 36	Coiling Partitions
	10 22 39	Folding Panel Partitions
40	10 22 43	Sliding Partitions
10	25 00	Service Walls
	10 25 13	Patient Bed Service Walls
	10 25 16	Modular Service Walls
10	26 00	Wall and Door Protection
	10 26 13	Corner Guards
	10 26 16	Bumper Guards
	10 26 16.13	Bumper Rails
	10 26 16.16	Protective Corridor Handrails
	10 26 23	Protective Wall Covering
	10 26 23.13	Impact Resistant Wall Protection
	10 26 23.16	Fiberglass Reinforced Protective Wall Covering
	10 26 33	Door and Frame Protection
	10 26 41	Bullet Resistant Panels
10	28 00	Toilet, Bath, and Laundry Accessories
	10 28 13	Toilet Accessories
	10 28 13.13	
	10 28 13.19	
	10 28 13.53	Security Toilet Accessories Detention Toilet Accessories
	10 28 13.63 10 28 16	Bath Accessories
	10 28 16.13	
	10 28 19	Tub and Shower Enclosures
	10 28 19.16	Shower Doors
	10 28 19.19	Tub Doors
	10 28 23	Laundry Accessories
	10 28 23.13	Built-In Ironing Boards
	10 28 23.16	Clothes Drying Racks
10	30 00	Fireplaces and Stoves
10	31 00	Manufactured Fireplaces
	10 31 13	Manufactured Fireplace Chimneys
	10 31 16	Manufactured Fireplace Forms
10	32 00	Fireplace Specialties
	10 32 13	Fireplace Dampers
	10 32 16	Fireplace Inserts
	10 32 19	Fireplace Screens
	10 32 23	Fireplace Doors
	10 32 26	Fireplace Water Heaters
10	35 00	Stoves
	10 35 13	Heating Stoves
	10 35 23	Cooking Stoves
	. 5 55 25	

10 40 00	Safety Specialties
10 41 00	<b>Emergency Access and Information Cabinets</b>
10 41 13	Fire Department Plan Cabinets
10 41 16	Emergency Key Cabinets
10 43 00	Emergency Aid Specialties Defibrillator Cabinets
10 43 13 10 43 16	First Aid Cabinets
10 43 10	Accessibility Evacuation Chairs
10 43 31	Respiration Equipment
10 43 33	Breathing Air Replenishment Systems
10 44 00	Fire Protection Specialties
10 44 13	Fire Protection Cabinets
10 44 13.53	Security Fire Extinguisher Cabinets
10 44 16	Fire Extinguishers
10 44 16.13 10 44 16.16	Portable Fire Extinguishers Wheeled Fire Extinguisher Units
10 44 19	Fire Blankets
10 44 43	Fire Extinguisher Accessories
10 45 00	Photoluminescent Exit Specialties
10 50 00	Storage Specialties
10 51 00	Lockers
10 51 13	Metal Lockers
10 51 16	Wood Lockers
10 51 23	Plastic-Laminate-Clad Lockers
10 51 26 10 51 26.13	Plastic Lockers
10 51 20.13	Recycled Plastic Lockers Phenolic Lockers
10 51 33	Glass Lockers
10 51 43	Wire Mesh Storage Lockers
10 51 53	Locker Room Benches
10 55 00	Postal Specialties
10 55 13	Central Mail Delivery Boxes
10 55 13.13	Cluster Box Units
10 55 16 10 55 19	Mail Collection Boxes
10 55 19	Receiving Boxes Mail Boxes
10 55 23.13	Apartment Mail Boxes
10 55 23.16	Mail Box Directories
10 55 23.19	Mail Box Key Keepers
10 55 26 10 55 33	Parcel Lockers
10 55 35	Data Distribution Boxes Package Depositories
10 55 91	Mail Chutes
10 56 00	Storage Assemblies
10 56 13	Metal Storage Shelving
10 56 13.13	End-Panel-Support Metal Storage Shelving
10 56 13.16	Post-and-Shelf Metal Storage Shelving
10 56 13.19 10 56 13.23	Post-and-Beam Metal Storage Shelving Cantilever Metal Storage Shelving
10 00 10.20	Samme von motal Storago Onorving

	10 56 16	Fabricated Wood Storage Shelving
	10 56 17	Wall-Mounted Standards and Shelving
	10 56 19	Plastic Storage Shelving
	10 56 19.13	Recycled Plastic Storage Shelving
	10 56 23	Wire Storage Shelving
	10 56 26	Mobile Storage Shelving
	10 56 26.13	Manual Mobile Storage Shelving
	10 56 26.23	Motorized Mobile Storage Shelving
	10 56 29	Storage Racks
	10 56 29.13	Flow Storage Racks
	10 56 29.16	Pallet Storage Racks
	10 56 29.19	Movable-Shelf Storage Racks
	10 56 29.23	Stacker Storage Racks
	10 56 29.26	Cantilever Storage Racks
	10 56 29.29	Drive-In Storage Racks
	10 56 29.33	Drive-Through Storage Racks
	10 56 29.43 10 56 33	Wine Storage Racks
40		Mercantile Storage Assemblies
10	57 00	Wardrobe and Closet Specialties
	10 57 13	Hat and Coat Racks
	10 57 16	Boot Racks
	10 57 23	Closet and Utility Shelving
	10 57 23.13	Wire Closet and Utility Shelving
	10 57 23.16	Plastic-Laminate-Clad Closet and Utility Shelving
	10 57 23.19	Wood Closet and Utility Shelving
	10 57 33	Closet and Utility Shelving Hardware
	10 57 36	Closet Doors
	10 57 36.13	Sliding Closet Doors
40	10 57 36.16	Bifold Closet Doors
10	<b>70 00</b>	Exterior Specialties
10 <sup>-</sup>	71 00	Exterior Protection
	10 71 13	Exterior Sun Control Devices
	10 71 13.13	Exterior Shutters
	10 71 13.19	Rolling Exterior Shutters
	10 71 13.23	Coiling Exterior Shutters
	10 71 13.26	Decorative Exterior Shutters
	10 71 13.29	Side-Hinged Exterior Shutters
	10 71 13.43	Fixed Sun Screens
	10 71 13.53	Exterior Daylighting Devices
	10 71 16	Storm Panels
	10 71 16.13	Demountable Storm Panels
	10 71 16.16	Movable Storm Panels
	10 71 19	Flood Barriers
40:	10 71 19.16	Removable Flood Barriers
10	73 00	Protective Covers
	10 73 13	Awnings
	10 73 16	Canopies
	10 73 23	Car Shelters
	10 73 26	Walkway Coverings
	10 73 33	Marquees
	10 73 33	Marquees

10 74 00	<b>Manufactured Exterior Specialties</b>
10 74 13	Exterior Clocks
10 74 23	Cupolas
10 74 26	Spires
10 74 29	Steeples
10 74 33	Weathervanes
10 74 43	Below-Grade Egress Assemblies
10 74 46	Window Wells
10 75 00	Flagpoles
10 75 13	Automatic Flagpoles
10 75 16	Ground-Set Flagpoles
10 75 19	Nautical Flagpoles
10 75 23	Wall-Mounted Flagpoles
10 80 00	Other Specialties
10 81 00	Pest Control Devices
10 81 13	Bird Control Devices
10 81 16	Insect Control Devices
10 81 19	Rodent Control Devices
10 82 00	Grilles and Screens
10 82 13	Exterior Grilles and Screens
10 82 19	Exterior Sound Screens
10 82 23	Interior Grilles and Screens
10 83 00	Flags and Banners
10 83 13	Flags
10 83 16	Banners
10 84 00	Gas Lighting
10 84 13	Exterior Gas Lighting
10 84 16	Interior Gas Lighting
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10 86 00	Security Mirrors and Domes
10 88 00	Scales

11 00 00	Equipment
11 01 00	Operation and Maintenance of Equipment
11 01 10	Operation and Maintenance of Vehicle and Pedestrian Equipment
11 01 20	Operation and Maintenance of Commercial Equipment
11 01 30	Operation and Maintenance of Residential Equipment
11 01 40	Operation and Maintenance of Foodservice Equipment
11 01 50	Operation and Maintenance of Educational and Scientific Equipment
11 01 56 11 01 60	Operation and Maintenance of Observatory Equipment Operation and Maintenance of Entertainment and Recreation Equipment
11 01 70	Operation and Maintenance of Healthcare Equipment
11 01 80	Operation and Maintenance of Facility Maintenance and Operation
	Equipment
11 01 90	Operation and Maintenance of Other Equipment
11 05 00	Common Work Results for Equipment
11 05 05	Selective Demolition for Equipment
11 05 13	Common Motor Requirements for Equipment
11 06 00	Schedules for Equipment
11 06 10	Schedules for Vehicle and Pedestrian Equipment
11 06 20	Schedules for Commercial Equipment
11 06 30	Schedules for Residential Equipment
11 06 40 11 06 40.13	Schedules for Foodservice Equipment Foodservice Equipment Schedule
11 06 50	Schedules for Educational and Scientific Equipment
11 06 60	Schedules for Entertainment and Recreation Equipment
11 06 70	Schedules for Healthcare Equipment
11 06 70.13	Healthcare Equipment Schedule
11 06 80	Schedules for Facility Maintenance and Operation Equipment
11 06 90	Schedules for Other Equipment
11 08 00	Commissioning of Equipment
11 10 00	Vehicle and Pedestrian Equipment
11 11 00	Vehicle Service Equipment
11 11 13	Compressed-Air Vehicle Service Equipment
11 11 19	Vehicle Lubrication Equipment
11 11 23	Tire-Changing Equipment
11 11 26 11 11 36	Vehicle-Washing Equipment Vehicle Charging Equipment
11 12 00	Parking Control Equipment
11 12 00	Parking Key and Card Control Units
11 12 16	Parking Ticket Dispensers
11 12 23	Parking Meters
11 12 26	Parking Fee Collection Equipment
11 12 26.13	Parking Fee Coin Collection Equipment
11 12 33	Parking Gates
11 12 33.13 11 12 33.16	Lift Arm Parking Gates Sliding Parking Gates
11 12 33.19	Swinging Parking Gates
11 13 00	Loading Dock Equipment
11 13 13	Loading Dock Bumpers
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	11 13 16	Loading Dock Seals and Shelters
	11 13 16.13	Loading Dock Seals
	11 13 16.23	Loading Dock Shelters
	11 13 16.33	Loading Dock Rail Shelters
	11 13 19	Stationary Loading Dock Equipment
	11 13 19.13	Loading Dock Levelers
	11 13 19.23	Stationary Loading Dock Lifts
	11 13 19.26	Loading Dock Truck Lifts
	11 13 19.33	Loading Dock Truck Restraints
	11 13 23	Portable Dock Equipment
	11 13 23.13	Portable Dock Lifts
	11 13 23.16	Portable Dock Ramps
	11 13 23.19	Portable Dock Bridges
	11 13 23.23	Portable Dock Platforms
	11 13 26	Loading Dock Lights
11	14 00	Pedestrian Control Equipment
	11 14 13	Pedestrian Gates
	11 14 13.13	Portable Posts and Railings
	11 14 13.16	Rotary Gates
	11 14 13.19	Turnstiles
	11 14 26	Pedestrian Fare Collection Equipment
	11 14 26.13	Pedestrian Coin Fare Collection Equipment
	11 14 43	Pedestrian Detection Equipment
	11 14 43.13	Electronic Detection and Counting Systems
	11 14 53	Pedestrian Security Equipment
11	20 00	Commercial Equipment
	04 00	Datail and Oamica Englishment
11	21 00	Retail and Service Equipment
11	11 21 13	Cash Registers and Checking Equipment
11	11 21 13 11 21 23	Cash Registers and Checking Equipment Vending Equipment
11	11 21 13 11 21 23 11 21 23.13	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment
11	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment
111	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73 11 21 73.13	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment
111	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73 11 21 73.13 11 21 73.16	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment
111	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73 11 21 73.13 11 21 73.13	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment
111	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73.13 11 21 73.13 11 21 73.16 11 21 73.19 11 21 73.23	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment
111	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73.13 11 21 73.16 11 21 73.16 11 21 73.19 11 21 73.23 11 21 73.26	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment Commercial Washers and Extractors
111	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73.13 11 21 73.13 11 21 73.16 11 21 73.19 11 21 73.23 11 21 73.23 11 21 73.26 11 21 73.33	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment Commercial Washers and Extractors Coin-Operated Laundry Equipment
111	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73 11 21 73.13 11 21 73.16 11 21 73.19 11 21 73.23 11 21 73.26 11 21 73.33 11 21 73.43	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment Commercial Washers and Extractors Coin-Operated Laundry Equipment Hanging Garment Conveyors
	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73.13 11 21 73.13 11 21 73.16 11 21 73.19 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.43 11 21 83	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment Commercial Washers and Extractors Coin-Operated Laundry Equipment Hanging Garment Conveyors Photo Processing Equipment
	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73 11 21 73.13 11 21 73.16 11 21 73.19 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.43 11 21 83	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment Commercial Washers and Extractors Coin-Operated Laundry Equipment Hanging Garment Conveyors Photo Processing Equipment  Banking Equipment
	11 21 13 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73.13 11 21 73.16 11 21 73.19 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.24 11 21 73.43 11 21 83 22 00 11 22 13	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment Commercial Washers and Extractors Coin-Operated Laundry Equipment Hanging Garment Conveyors Photo Processing Equipment  Banking Equipment Vault Equipment
	11 21 13 11 21 23 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73.13 11 21 73.13 11 21 73.16 11 21 73.19 11 21 73.23 11 21 73.33 11 21 73.43 11 21 83 22 00 11 22 13 11 22 13.13	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment Commercial Washers and Extractors Coin-Operated Laundry Equipment Hanging Garment Conveyors Photo Processing Equipment Vault Equipment Safe Deposit Boxes
	11 21 13 11 21 23.13 11 21 23.16 11 21 23.19 11 21 23.36 11 21 24 11 21 33 11 21 43 11 21 53 11 21 63 11 21 73.13 11 21 73.16 11 21 73.19 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.23 11 21 73.24 11 21 73.43 11 21 83 22 00 11 22 13	Cash Registers and Checking Equipment Vending Equipment Merchandise Vending Machines Reverse Vending Machines Video Rental Vending Machines Token Vending Machines Money Changing Machines Checkroom Equipment Weighing and Wrapping Equipment Barber and Beauty Shop Equipment Refrigerated Display Equipment Commercial Laundry and Dry Cleaning Equipment Dry Cleaning Equipment Drying and Conditioning Equipment Finishing Equipment Commercial Ironing Equipment Commercial Washers and Extractors Coin-Operated Laundry Equipment Hanging Garment Conveyors Photo Processing Equipment  Banking Equipment Vault Equipment

11 22 13.26 11 22 16 11 22 16.13 11 22 16.16 11 22 16.19 11 22 16.23 11 22 16.26 11 22 16.29 11 22 16.33	Time Capsules Teller and Service Equipment Teller Equipment Systems Automatic Banking Systems Money Handling Equipment Money Depositories Money Cart Pass-Through Package Transfer Units Deal Trays
11 25 00	Hospitality Equipment
11 25 13	Registration Equipment
11 28 00	Office Equipment
11 28 13	Computers
11 28 16	Printers
11 28 23	Copiers
11 29 00	Postal, Packaging, and Shipping Equipment
11 29 23 11 29 33	Packaging Equipment Shipping Equipment
11 29 55	Postal Equipment
11 30 00	Residential Equipment
11 30 13	Residential Appliances
11 30 13.13	Residential Kitchen Appliances
11 30 13.23	Residential Laundry Appliances
11 30 33	Retractable Stairs
11 30 34	Residential Ceiling Fans
11 32 00	Unit Kitchens
11 32 13	Metal Unit Kitchens
11 32 16 11 32 19	Wood Unit Kitchens Plastic-Laminate-Clad Unit Kitchens
11 40 00	Foodservice Equipment
11 41 00	Foodservice Storage Equipment
11 41 13	Refrigerated Food Storage Cases
11 41 23 11 41 26	Walk-In Coolers Walk-In Freezers
11 41 33	Foodservice Shelving
11 42 00	Food Preparation Equipment
11 42 13	Food Preparation Appliances
11 42 16	Food Preparation Surfaces
11 43 00	Food Delivery Carts and Conveyors
11 43 13	Food Delivery Carts
11 43 16	Food Delivery Conveyors
11 44 00	Food Cooking Equipment
11 44 13	Commercial Ranges
11 44 16 <b>11 46 00</b>	Commercial Ovens
11 46 00	Food Dispensing Equipment
11 46 13 11 46 16	Bar Equipment
	Service Line Edilinment
11 46 19	Service Line Equipment Soda Fountain Equipment

11 46 23	Coffee and Espresso Equipment
11 46 83 <b>11 48 00</b>	Ice Machines Foodservice Cleaning and Disposal Equipment
11 48 13	Commercial Dishwashers
11 50 00	_
	Educational and Scientific Equipment
11 51 00	Library Equipment
11 51 13	Automated Book Storage and Retrieval Systems
11 51 16	Book Depositories
11 51 19 11 51 23	Book Theft Protection Equipment Library Stack Systems
11 51 23.13	Metal Library Shelving
11 52 00	Audio-Visual Equipment
11 52 13	Projection Screens
11 52 13.13	Fixed Projection Screens
11 52 13.16	Portable Projection Screens
11 52 13.19	Rear Projection Screens
11 52 16	Projectors  Mayin Projectors
11 52 16.13 11 52 16.16	Movie Projectors Slide Projectors
11 52 16.19	Overhead Projectors
11 52 16.23	Opaque Projectors
11 52 16.26	Video Projectors
11 52 19	Players and Recorders
11 52 23	Audio-Visual Equipment Supports
11 53 00	Laboratory Equipment
11 53 13	Laboratory Fume Hoods
11 53 13.13 11 53 16	Recirculating Laboratory Fume Hoods  Laboratory Incubators
11 53 17	Laboratory Equipment Washers
11 53 19	Laboratory Sterilizers
11 53 23	Laboratory Refrigerators
11 53 26	Laboratory Freezers
11 53 29	Laboratory Controlled-Environment Cabinets
11 53 33	Emergency Safety Appliances
11 53 43	Service Fittings and Accessories
11 53 53	Biological Safety Cabinets
11 55 00	Planetarium Equipment
11 55 13	Planetarium Projectors
11 55 16	Planetarium Pendulums
11 56 00	Observatory Equipment
11 56 13	Telescopes
11 56 16 11 56 19	Telescope Mounts
11 56 19	Telescope Drive Mechanisms Telescope Domes
11 57 00	Vocational Shop Equipment
11 59 00	Exhibit Equipment
11 60 00	<b>Entertainment and Recreation Equipment</b>
11 61 00	Broadcast, Theater, and Stage Equipment

	11 61 13	Acoustical Shells
	11 61 23	Folding and Portable Stages
	11 61 33	Rigging Systems and Controls
	11 61 33.11	Lighting Rigging Systems
	11 61 33.16	Scenery Rigging Systems
	11 61 33.19	Curtain Systems
	11 61 43	Stage Curtains
11	62 00	Musical Equipment
	11 62 13	Bells
	11 62 16	Carillons
	11 62 19	Organs
11	66 00	Athletic Equipment
	11 66 13	Exercise Equipment
	11 66 23	Gymnasium Equipment
	11 66 23.13	Basketball Equipment
	11 66 23.23	Volleyball Equipment
	11 66 23.33	Interior Tennis Equipment
	11 66 23.43	Interior Track and Field Equipment
	11 66 23.53 11 66 23.56	Wall Padding Mat Storage
	11 66 43	Interior Scoreboards
	11 66 53	Gymnasium Dividers
	11 66 53.13	Batting/Golf Cages
11	67 00	Recreational Equipment
• •	11 67 13	
	11 67 13	Bowling Alley Equipment Shooting Range Equipment
	11 67 23	Climbing Walls
	11 67 43	Table Games Equipment
	11 67 43.13	Pool Tables
	11 67 43.23	Ping-Pong Tables
	11 67 53	Game Room Equipment
	11 67 53.13	Video Games
	11 67 53.23	Pinball Machines
11	68 00	Play Field Equipment and Structures
	11 68 13	Playground Equipment
	11 68 16	Play Structures
	11 68 23	Exterior Court Athletic Equipment
	11 68 23.13	Exterior Basketball Equipment
	11 68 23.23	Exterior Volleyball Equipment
	11 68 23.33	Tennis Equipment
	11 68 33	Athletic Field Equipment
	11 68 33.13	Football Field Equipment
	11 68 33.23 11 68 33.33	Soccer and Field Hockey Equipment
	11 68 33.43	Baseball Field Equipment Track and Field Equipment
	11 68 43	Exterior Scoreboards
4 4		
11	70 00	Healthcare Equipment
11	71 00	Medical Sterilizing Equipment
11	72 00	Examination and Treatment Equipment
• •	11 72 13	Examination Equipment

	11 72 53	Treatment Equipment
11	73 00	Patient Care Equipment
	11 73 13	Psychiatric Seclusion Room Padding
11	74 00	Dental Equipment
11	75 00	Optical Equipment
	76 00	Operating Room Equipment
	77 00	Radiology Equipment
11	<b>78 00</b>	Mortuary Equipment
	11 78 13 11 78 16	Mortuary Refrigerators Crematorium Equipment
	11 78 19	Mortuary Lifts
11	79 00	Therapy Equipment
	80 00	Facility Maintenance and Operation
		Equipment
11	81 00	Facility Maintenance Equipment
	11 81 13	Floor and Wall Cleaning Equipment
	11 81 16	Housekeeping Carts
	11 81 19	Vacuum Cleaning Systems
	11 81 23	Façade Access Equipment
	11 81 23.13	Window Washing Systems
44	11 81 29	Facility Fall Protection
11	82 00	Facility Solid Waste Handling Equipment
	11 82 13 11 82 19	Solid Waste Bins
	11 82 19	Packaged Incinerators Recycling Equipment
	11 82 26	Facility Waste Compactors
	11 82 29	Composting Equipment
	11 82 33	Facility Waste Shredders
	11 82 36	Facility Waste Balers
11	90 00	Other Equipment
	91 00	Religious Equipment
• •	11 91 13	Baptisteries
11	92 00	Agricultural Equipment
• •	11 92 13	Milkers
	11 92 16	Stock Feeders
	11 92 19	Stock Waterers
	11 92 23	Agricultural Waste Clean-Up Equipment
11	93 00	Horticultural Equipment
	11 93 13	Hydroponic Growing Systems
	11 93 16	Seeders
	11 93 19	Transplanters
	11 93 23	Potting Machines
	11 93 26	Flat Fillers
	11 93 29 11 93 33	Baggers Soil Mixers
	11 93 33	SULIVIXEIS

Veterinary Equipment Arts and Crafts Equipment
Kilns
Security Equipment
Deal Drawers
Gun Ports
Valuable Material Storage
Detention Equipment
Detention Pass-Through Doors
Detention Gun Lockers
Detention Room Padding

12 00 00	Furnishings
12 01 00	Operation and Maintenance of Furnishings
12 01 10 12 01 20 12 01 30	Operation and Maintenance of Art Operation and Maintenance of Window Treatments Operation and Maintenance of Casework
12 01 40 12 01 50	Operation and Maintenance of Furnishings and Accessories Operation and Maintenance of Furniture
12 01 60 12 01 90	Operation and Maintenance of Multiple Seating Operation and Maintenance of Other Furnishings
12 05 00	Common Work Results for Furnishings
12 05 05 12 05 13	Selective Demolition for Furnishings Fabrics
12 06 00	Schedules for Furnishings
12 06 10	Schedules for Art
12 06 20 12 06 20.13	Schedules for Window Treatments Window Treatment Schedule
12 06 30	Schedules for Casework
12 06 30.13	Manufactured Casework Schedule
12 06 40 12 06 40.13	Schedules for Furnishings and Accessories Furnishings Schedule
12 06 50	Schedules for Furniture
12 06 60	Schedules for Multiple Seating
12 06 90	Schedules for Other Furnishings
12 08 00	Commissioning of Furnishings
40 40 00	A .4
12 10 00	Art
12 11 00	Murals
<b>12 11 00</b> 12 11 13	Murals Photo Murals
<b>12 11 00</b> 12 11 13 12 11 16	Murals Photo Murals Sculptured Brick Panels
<b>12 11 00</b> 12 11 13	Murals Photo Murals
12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil
12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings
12 11 00 12 11 13 12 11 16 12 11 23 12 11 26 12 11 33 12 12 00	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23  12 12 26	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23  12 12 26  12 14 00	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23  12 12 26  12 14 00  12 14 13	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23  12 12 26  12 14 00	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture Cast Sculpture
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23  12 12 26  12 14 13  12 14 16  12 14 19  12 14 23	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture Cast Sculpture Constructed Sculpture Relief Art
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23  12 12 26  12 14 13  12 14 16  12 14 19  12 14 23  12 17 00	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture Cast Sculpture Constructed Sculpture Relief Art Art Glass
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23  12 12 26  12 14 13  12 14 13  12 14 16  12 14 19  12 14 23  12 17 00  12 17 13	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture Cast Sculpture Constructed Sculpture Relief Art Art Glass Etched Glass
12 11 00  12 11 13  12 11 16  12 11 23  12 11 26  12 11 33  12 12 00  12 12 13  12 12 16  12 12 19  12 12 23  12 12 26  12 14 13  12 14 16  12 14 19  12 14 23  12 17 00	Murals Photo Murals Sculptured Brick Panels Brick Murals Ceramic Tile Murals Trompe l'oeil Wall Decorations Commissioned Paintings Framed Paintings Framed Prints Tapestries Wall Hangings Sculptures Carved Sculpture Cast Sculpture Constructed Sculpture Relief Art Art Glass

12 20 00	Window Trootmonts
	Window Treatments
12 21 00	Window Blinds
12 21 13 12 21 13.13	Horizontal Louver Blinds Metal Horizontal Louver Blinds
12 21 13.13	Wood Horizontal Louver Blinds
12 21 13.33	Plastic Horizontal Louver Blinds
12 21 16	Vertical Louver Blinds
12 21 16.13 12 21 16.23	Metal Vertical Louver Blinds Wood Vertical Louver Blinds
12 21 16.23	Plastic Vertical Louver Blinds
12 21 23	Roll-Down Blinds
12 21 26	Black-Out Blinds
12 22 00	Curtains and Drapes
12 22 13	Draperies
12 22 16	Drapery Track and Accessories
12 23 00	Interior Shutters
12 23 13	Wood Interior Shutters
12 24 00	Window Shades
12 24 13	Roller Window Shades
12 24 16 12 24 16.13	Pleated Window Shades Z-Pleated Window Shades
12 24 16.15	Cellular Shades
12 24 16.19	Roman Shades
12 25 00	<b>Window Treatment Operating Hardware</b>
12 25 09	Window Treatment Control System
12 25 13	Motorized Drapery Rods
12 26 00	Interior Daylighting Devices
12 26 00	Interior Daylighting Devices
12 26 00 12 30 00	Interior Daylighting Devices Casework
12 26 00 12 30 00 12 31 00	Interior Daylighting Devices  Casework  Manufactured Metal Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00 12 34 16	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00 12 34 16 12 35 00	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00 12 34 16 12 35 00 12 35 17	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00 12 34 16 12 35 00 12 35 17 12 35 25	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework Hospitality Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00 12 34 16 12 35 00 12 35 17	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 16 12 34 00 12 34 16 12 35 00 12 35 17 12 35 25 12 35 30 12 35 30.13 12 35 30.23	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework Hospitality Casework Residential Casework Kitchen Casework Bathroom Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 16 12 34 00 12 34 16 12 35 00 12 35 17 12 35 25 12 35 30 12 35 30.13 12 35 30.23 12 35 30.43	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework Hospitality Casework Residential Casework Kitchen Casework Bathroom Casework Dormitory Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00 12 34 16 12 35 00 12 35 17 12 35 25 12 35 30 12 35 30.13 12 35 30.23 12 35 30.43 12 35 33.43	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework Hospitality Casework Residential Casework Kitchen Casework Bathroom Casework Utility Room Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00 12 34 16 12 35 00 12 35 17 12 35 25 12 35 30 12 35 30.13 12 35 30.23 12 35 30.43 12 35 33 12 35 36	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework Hospitality Casework Residential Casework Kitchen Casework Bathroom Casework Utility Room Casework Mailroom Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 00 12 34 16 12 35 00 12 35 17 12 35 25 12 35 30 12 35 30.13 12 35 30.23 12 35 30.43 12 35 33.43	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Metal Sandwich Panel Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework Hospitality Casework Residential Casework Kitchen Casework Bathroom Casework Utility Room Casework
12 26 00 12 30 00 12 31 00 12 31 16 12 32 00 12 32 13 12 32 16 12 34 16 12 35 00 12 35 17 12 35 25 12 35 30 12 35 30.13 12 35 30.23 12 35 30.43 12 35 33 12 35 36 12 35 39	Interior Daylighting Devices Casework Manufactured Metal Casework Manufactured Wood Casework Manufactured Wood-Veneer-Faced Casework Manufactured Plastic-Laminate-Clad Casework Manufactured Plastic Casework Manufactured Plastic Casework Manufactured Solid-Plastic Casework Manufactured Solid-Plastic Casework Specialty Casework Bank Casework Hospitality Casework Residential Casework Kitchen Casework Bathroom Casework Utility Room Casework Mailroom Casework Commercial Kitchen Casework

12 35 50.56 12 35 53 12 35 53.13 12 35 53.16 12 35 53.19 12 35 53.23 12 35 59 12 35 70 12 35 70.13 12 35 70.16 12 35 70.19 12 35 70.74 12 35 83 12 35 91	Built-In Study Carrels Laboratory Casework Metal Laboratory Casework Plastic-Laminate-Clad Laboratory Casework Wood Laboratory Casework Solid-Plastic Laboratory Casework Display Casework Healthcare Casework Hospital Casework Nurse Station Casework Exam Room Casework Dental Casework Performing Arts Casework Religious Casework
12 36 00	Countertops
12 36 13	Concrete Countertops
12 36 16	Metal Countertops
12 36 19	Wood Countertops
12 36 23 12 36 23.13	Plastic Countertops Plastic-Laminate-Clad Countertops
12 36 23.13	Glass Countertops
12 36 40	Stone Countertops
12 36 53	Laboratory Countertops
12 36 61	Simulated Stone Countertops
12 36 61.13	Cultured Marble Countertops
12 36 61.16	Solid Surfacing Countertops
12 36 61.19	Quartz Agglomerate Countertops
12 36 71	Paper-Composite Countertops
12 40 00	<b>Furnishings and Accessories</b>
12 41 00	Office Accessories
12 41 00	Desk Accessories
12 42 00	Table Accessories
12 42 13	Ceramics
12 42 16	Flatware
12 42 16.13	Silverware Hollowware
12 42 19 12 42 23	Glassware
12 42 23	Table Linens
12 42 26.13	Napery
12 43 00	Portable Lamps
12 43 13	
12 43 13	Lamps Desk Lamps
12 43 13.16	Table Lamps
12 43 13.19	Floor Lamps
12 44 00	Bath Furnishings
12 44 13	Bath Linens
12 44 13.13	Bath Mats
12 44 13.16	Bath Towels
12 44 16	Shower Curtains
12 45 00	Bedroom Furnishings

	12 45 13	Bed Linens
	12 45 13.13	Blankets
	12 45 13.16	Comforters
	12 45 16	Pillows
12 4	46 00	Furnishing Accessories
	12 46 13	Ash Receptacles
	12 46 16	Bowls
	12 46 19	Clocks
	12 46 23	Decorative Crafts
	12 46 26	Decorative Screens
	12 46 29	Vases
	12 46 33	Waste Receptacles
12 4	<b>48 00</b>	Rugs and Mats
	12 48 13	Entrance Floor Mats and Frames
	12 48 13.13	Entrance Floor Mats
	12 48 13.16	Entrance Floor Mat Frames
	12 48 16	Entrance Floor Grilles
	12 48 19	Entrance Floor Gratings
	12 48 23	Entrance Floor Grids
	12 48 26	Entrance Tile
	12 48 43	Floor Mats
	12 48 43.13	Chair Mats
	12 48 43.23	Anti-Fatigue Floor Mats
	12 48 43.26	Fall-Cushioning Floor Mats
	12 48 53	Rugs
	12 48 53.13 12 48 53.16	Runners Oriental Buga
40		Oriental Rugs
12	<b>50 00</b>	Furniture
12 5	51 00	Office Furniture
	12 51 16	Case Goods
	12 51 16.13	Metal Case Goods
	12 51 16.16	Wood Case Goods
	12 51 16.19	Plastic-Laminate-Clad Case Goods
	12 51 19	Filing Cabinets
	12 51 19.13	Lateral Filing Cabinets
	12 51 19.16	Vertical Filing Cabinets
	12 51 23	Office Tables
	12 51 83	Custom Office Furniture
12 5	52 00	Seating
	40 50 40	Ola alina
	12 52 13	Chairs
	12 52 19	Upholstered Seating
	12 52 19	Upholstered Seating
	12 52 19 12 52 23	Upholstered Seating Office Seating
12 5	12 52 19 12 52 23 12 52 70	Upholstered Seating Office Seating Healthcare Seating
12 5	12 52 19 12 52 23 12 52 70 12 52 83	Upholstered Seating Office Seating Healthcare Seating Custom Seating
	12 52 19 12 52 23 12 52 70 12 52 83 <b>53 00</b> 12 53 83	Upholstered Seating Office Seating Healthcare Seating Custom Seating Retail Furniture Custom Retail Furniture
	12 52 19 12 52 23 12 52 70 12 52 83 <b>53 00</b> 12 53 83 <b>54 00</b>	Upholstered Seating Office Seating Healthcare Seating Custom Seating Retail Furniture Custom Retail Furniture Hospitality Furniture
	12 52 19 12 52 23 12 52 70 12 52 83 <b>53 00</b> 12 53 83 <b>54 00</b> 12 54 13	Upholstered Seating Office Seating Healthcare Seating Custom Seating Retail Furniture Custom Retail Furniture Hospitality Furniture Hotel and Motel Furniture
	12 52 19 12 52 23 12 52 70 12 52 83 <b>53 00</b> 12 53 83 <b>54 00</b>	Upholstered Seating Office Seating Healthcare Seating Custom Seating Retail Furniture Custom Retail Furniture Hospitality Furniture

12 55 00	Detention Furniture
12 55 13	Detention Bunks
12 55 16	Detention Desks
12 55 19	Detention Stools
12 55 23	Detention Tables
12 55 26	Detention Safety Clothes Hooks
12 55 83	Custom Detention Furniture
12 55 86	Detention Control Room Furniture
12 56 00	Institutional Furniture
12 56 23	Religious Furniture
12 56 33	Classroom Furniture
12 56 33.13	Fixed Classroom Tables
12 56 33.23	Classroom Computer Furniture
12 56 39	Lecterns
12 56 43	Dormitory Furniture
12 56 51	Library Furniture
12 56 51.13 12 56 51.16	Book Shelves
12 56 51.10	Study Carrels Index Card File Cabinets
12 56 52	Audio-Visual Furniture
12 56 53	Laboratory Furniture
12 56 70	Healthcare Furniture
12 56 83	Custom Institutional Furniture
12 56 86	Institutional Control Room Furniture
12 57 00	Industrial Furniture
12 57 13	Welding Benches
12 57 16	Welding Screens
12 57 19	Laser Containment Screens
12 57 83	Custom Industrial Furniture
12 57 86	Industrial Control Room Furniture
12 58 00	Residential Furniture
12 58 13	Couches and Loveseats
12 58 13.13	Futons
12 58 16	Residential Chairs
12 58 16.13	Reclining Chairs
12 58 19	Dining Tables and Chairs
12 58 23	Coffee Tables
12 58 26	Entertainment Centers
12 58 29	Beds
12 58 29.13	Daybeds
12 58 33	Dressers Armoires
12 58 33.13 12 58 36	Nightstands
12 58 83	Custom Residential Furniture
12 59 00	
	Systems Furniture
12 59 13 12 50 16	Panel-Hung Component System Furniture
12 59 16 12 59 19	Free-Standing Component System Furniture
12 59 19	Beam System Furniture Desk System Furniture
12 59 23	Custom Systems Furniture
12 03 03	Oustoni Oystenis i unillure

12 60 00	Multiple Seating
12 61 00	Fixed Audience Seating
12 61 13	Upholstered Audience Seating
12 61 16	Molded-Plastic Audience Seating
12 62 00	Portable Audience Seating
12 62 13	Folding Chairs
12 62 16	Interlocking Chairs
12 62 19	Stacking Chairs
12 62 23	Portable Bleachers
12 63 00	Stadium and Arena Seating
12 63 13	Stadium and Arena Bench Seating
12 63 23	Stadium and Arena Seats
12 64 00	Booths and Tables
12 65 00	
	Multiple-Use Fixed Seating
12 66 00	Telescoping Stands
12 66 13	Telescoping Bleachers
12 66 23	Telescoping Chair Platforms
12 67 00	Pews and Benches
12 67 13	Pews
12 67 23	Benches
12 68 00	Seat and Table Assemblies
12 68 13	Pedestal Tablet Arm Chairs
12 90 00	Other Furnishings
12 92 00	Interior Planters and Artificial Plants
12 92 13	Interior Artificial Plants
12 92 33	Interior Planters
12 92 43	Interior Landscaping Accessories
12 93 00	Interior Public Space Furnishings
12 93 13	Bicycle Racks
12 93 13	Bicycle Lockers
12 93 23	Trash and Litter Receptacles

13 00 00	Special Construction
13 01 00	<b>Operation and Maintenance of Special Construction</b>
13 01 10	Operation and Maintenance of Special Facility Components
13 01 11	Operation and Maintenance of Swimming Pools
13 01 12	Operation and Maintenance of Fountains
13 01 13	Operation and Maintenance of Aquariums
13 01 14	Operation and Maintenance of Amusement Park Structures and Equipment
13 01 18	Operation and Maintenance of Ice Rinks
13 01 20	Operation and Maintenance of Special Purpose Rooms
13 01 21	Operation and Maintenance of Controlled Environment Rooms
13 01 23	Operation and Maintenance of Planetariums
13 01 30	Operation and Maintenance of Special Structures
13 01 40	Operation and Maintenance of Integrated Construction
13 01 49	Operation and Maintenance of Radiation Protection
13 01 50	Operation and Maintenance of Special Instrumentation
13 01 51	Operation and Maintenance of Stress Instrumentation
13 01 52	Operation and Maintenance of Seismic Instrumentation
13 01 53	Operation and Maintenance of Meteorological Instrumentation
13 05 00	Common Work Results for Special Construction
13 05 05	Selective Demolition for Special Construction
13 06 00	Schedules for Special Construction
13 06 10	Schedules for Special Facility Components
13 06 20	Schedules for Special Purpose Rooms
13 06 30	Schedules for Special Structures
13 06 40	Schedules for Integrated Construction
13 06 50	Schedules for Special Instrumentation
13 08 00	Commissioning of Special Construction
13 08 10	Commissioning of Special Facility Components
13 08 11	Commissioning of Swimming Pools
13 08 12	Commissioning of Fountains
13 08 13	Commissioning of Aquariums
13 08 14	Commissioning of Amusement Park Structures and Equipment
13 08 18	Commissioning of Ice Rinks
13 08 20	Commissioning of Special Purpose Rooms
13 08 21	Commissioning of Controlled Environment Rooms
13 08 23	Commissioning of Planetariums
13 08 30 13 08 40	Commissioning of Special Structures Commissioning of Integrated Construction
13 08 50	Commissioning of Integrated Constitution  Commissioning of Special Instrumentation
13 10 00	Special Facility Components
13 11 00	Swimming Pools
13 11 13	Below-Grade Swimming Pools
13 11 23	On-Grade Swimming Pools
13 11 33	Elevated Swimming Pools
13 11 43	Recirculating Gutter Systems
13 11 46	Swimming Pool Accessories
13 11 49	Swimming Pool Cleaning Equipment

13 11 53	Movable Pool Bulkheads
13 11 56	Movable Pool Floors
13 12 00	Fountains
13 12 13	Exterior Fountains
13 12 23	Interior Fountains
13 13 00	Aquariums
13 14 00	Amusement Park Structures and Equipment
13 14 13	Water Slides
13 14 16 13 14 23	Wave Generating Equipment Amusement Park Rides
13 15 00	
	Specialty Element Construction
13 17 00	Tubs and Pools
13 17 13 13 17 23	Hot Tubs
13 17 23	Therapeutic Pools Whirlpool Tubs
13 18 00	Ice Rinks
13 18 13	Ice Rink Floor Systems
13 18 16	Ice Rink Dasher Boards
13 19 00	Kennels and Animal Shelters
13 19 13	Kennel Enclosures and Gates
13 19 16	Kennel Feeding Devices
13 20 00	Special Purpose Rooms
13 21 00	Controlled Environment Rooms
13 21 00	Clean Rooms
13 21 16	Hyperbaric Rooms
13 21 23	Insulated Rooms
13 21 26	Cold Storage Rooms
13 21 26.13	Walk-in Coolers
13 21 26.16 13 21 29	Walk-in Freezers
13 21 48	Constant Temperature Rooms Sound-Conditioned Rooms
13 22 00	Office Shelters and Booths
13 23 00	Planetariums
13 24 00	Special Activity Rooms
13 24 16 13 24 26	Saunas Steam Baths
13 24 66	Athletic Rooms
13 26 00	Fabricated Rooms
13 26 13	Storm Shelter Rooms
13 27 00	Vaults
13 27 16	Modular Fire Vaults
13 27 53	Security Vaults
13 27 53.13	Modular Concrete Security Vaults
13 27 53.16	Modular Metal-Clad Laminated Security Vaults
13 28 00	Athletic and Recreational Special Construction
13 28 13	Indoor Soccer Boards
13 28 16	Safety Netting

13 28 19 13 28 26	Arena Football Boards Floor Sockets
13 28 33	Athletic and Recreational Court Walls
13 28 66	Demountable Athletic Surfaces
13 30 00	Special Structures
13 31 00	Fabric Structures
13 31 13	Air-Supported Fabric Structures
13 31 13.13	Single-Walled Air-Supported Structures
13 31 13.16	Multiple-Walled Air-Supported Structures
13 31 23	Tensioned Fabric Structures
13 31 33	Framed Fabric Structures
13 32 00	Space Frames
13 32 13	Metal Space Frames
13 32 23	Wood Space Frames
13 33 00	Geodesic Structures
13 33 13	Geodesic Domes
13 34 00	Fabricated Engineered Structures
13 34 13	Glazed Structures
13 34 13.13	Greenhouses
13 34 13.16 13 34 13.19	Solariums Swimming Pool Enclosures
13 34 13.19	Sunrooms
13 34 13.26	Conservatories
13 34 16	Grandstands and Bleachers
13 34 16.13	Grandstands
13 34 16.53	Bleachers
13 34 18	Post Frame Building Systems
13 34 19	Metal Building Systems
13 34 23	Fabricated Structures
13 34 23.13	Portable and Mobile Buildings
13 34 23.14	Fabricated Classroom Buildings
13 34 23.16 13 34 23.19	Fabricated Control Booths Fabricated Dome Structures
13 34 23.19	Fabricated Substation Control Rooms
13 34 56	Observatories
13 35 00	Rammed Earth Construction
13 35 13	Rammed Earth Walls
13 35 13.13	Traditional Rammed Earth Walls
13 35 13.23	Stabilized Insulated Rammed Earth Walls
13 36 00	Towers
13 36 13	Metal Towers
13 36 13.13	Steel Towers
13 36 23	Wood Towers
13 40 00	Integrated Construction
13 42 00	<b>Building Modules</b>
13 42 13	Bathroom Unit Modules
13 42 25	Hospitality Unit Modules
13 42 33	Apartment Unit Modules
13 42 43	Dormitory Unit Modules

13 42 46 13 42 63 13 42 63.13 13 42 63.16	
13 44 00	Modular Mezzanines
13 47 00	Facility Protection
13 47 13	Cathodic Protection
13 47 13.13	3 1 3
13 47 13.16	Cathodic Protection for Underground Storage Tanks
13 47 13.19	Cathodic Protection for Concrete Reinforcing
13 48 00	Sound, Vibration, and Seismic Control
13 48 13	Manufactured Sound and Vibration Control Components
13 48 23	Fabricated Sound and Vibration Control Assemblies
13 48 53	Manufactured Seismic Control Components
13 48 63	Fabricated Seismic Control Assemblies
13 49 00	Radiation Protection
13 49 13	Integrated X-Ray Shielding Assemblies
13 49 16	Modular X-Ray Shielding Rooms
13 49 23	Integrated RFI/EMI Shielding Assemblies
13 49 26	Modular RFI/EMI Shielding Rooms
13 50 00	Special Instrumentation
13 51 00	Stress Instrumentation
13 52 00	Seismic Instrumentation
13 53 00	Meteorological Instrumentation
13 53 13	Solar Instrumentation
13 53 23	Wind Instrumentation

14 00 00	Conveying Equipment
14 01 00	<b>Operation and Maintenance of Conveying Equipment</b>
14 01 10	Operation and Maintenance of Dumbwaiters
14 01 10.71	Dumbwaiter Rehabilitation
14 01 20	Operation and Maintenance of Elevators
14 01 20.71	Elevator Rehabilitation
14 01 30	Operation and Maintenance of Escalators and Moving Walks
14 01 30.71	Escalators and Moving Walks Rehabilitation
14 01 40 14 01 40.71	Operation and Maintenance of Lifts Lift Rehabilitation
14 01 40.71	Operation and Maintenance of Turntables
14 01 80	Operation and Maintenance of Scaffolding
14 01 90	Operation and Maintenance of Other Conveying Equipment
14 05 00	Common Work Results for Conveying Equipment
14 05 05	Selective Demolition for Conveying Equipment
14 06 00	
14 06 10	Schedules for Conveying Equipment Schedules for Dumbwaiters
14 06 10	Schedules for Elevators
14 06 20.13	Elevator Equipment Schedule
14 06 30	Schedules for Escalators and Moving Walks
14 06 40	Schedules for Lifts
14 06 40.13	Lift Schedule
14 06 70	Schedules for Turntables
14 06 80	Schedules for Scaffolding
14 06 90	Schedules for Other Conveying Equipment
14 08 00	Commissioning of Conveying Equipment
14 08 10	Commissioning of Dumbwaiters
14 08 20	Commissioning of Elevators
14 08 30	Commissioning of Escalators and Moving Walks
14 08 40	Commissioning of Lifts
14 08 70	Commissioning of Turntables
14 08 80	Commissioning of Scaffolding
14 10 00	Dumbwaiters
14 11 00	Manual Dumbwaiters
14 12 00	Electric Dumbwaiters
14 14 00	Hydraulic Dumbwaiters
14 20 00	Elevators
14 21 00	Electric Traction Elevators
14 21 13	Electric Traction Freight Elevators
14 21 23	Electric Traction Passenger Elevators
14 21 23.13	Machine Room Electric Traction Passenger Elevators
14 21 23.16	Machine Room-Less Electric Traction Passenger Elevators
14 21 33	Electric Traction Residential Elevators
14 21 43	Electric Traction Service Elevators
14 24 00	Hydraulic Elevators
14 24 13	Hydraulic Freight Elevators
14 24 23	Hydraulic Passenger Elevators

14 24 33	Hydraulic Residential Elevators
14 24 43	Hydraulic Service Elevators
14 26 00	<b>Limited-Use/Limited-Application Elevators</b>
14 27 00	Custom Elevator Cabs and Doors
14 27 13	Custom Elevator Cab Finishes
14 27 16	Custom Elevator Doors
14 28 00	Elevator Equipment and Controls
14 28 16	Elevator Controls
14 28 19 14 28 19.13	Elevator Equipment Elevator Safety Equipment
14 28 19.16	Elevator Hoistway Equipment
14 30 00	<b>Escalators and Moving Walks</b>
14 31 00	Escalators
14 32 00	Moving Walks
14 33 00	Moving Ramps
14 33 13	Motorized Ramps
14 33 16	Powered Ramps
14 40 00	Lifts
14 41 00	People Lifts
14 41 13	Counterbalanced People Lifts
14 41 16	Endless-Belt People Lifts
14 42 00	Wheelchair Lifts
14 42 13	Inclined Wheelchair Lifts
14 42 16	Vertical Wheelchair Lifts
14 43 00	Platform Lifts
14 43 13	Orchestra Lifts
14 43 16	Stage Lifts
14 44 00	Sidewalk Lifts
14 45 00	Vehicle Lifts
14 70 00	Turntables
14 71 00	Industrial Turntables
14 71 11	Vehicle Turntables
14 72 00	Hospitality Turntables
14 72 25	Restaurant Turntables
14 73 00	Exhibit Turntables
14 73 59	Display Turntables
14 74 00	Entertainment Turntables
14 74 61	Stage Turntables
14 80 00	Scaffolding
14 81 00	Suspended Scaffolding
14 81 13	Beam Scaffolding
14 81 16	Carriage Scaffolding
14 81 19	Hook Scaffolding
14 82 00	Rope Climbers

14 82 13	Manual Rope Climbers
14 82 16	Powered Rope Climbers
14 83 00	Elevating Platforms
14 83 13	Telescoping Platform Lifts
14 83 13.13	Electric and Battery Telescoping Platform Lifts
14 83 13.16	Pneumatic Telescoping Platform Lifts
14 83 16	Scissor Lift Platforms
14 83 19	Multi-Axis Platform Lifts
14 84 00	Powered Scaffolding
14 84 13	Window Washing Scaffolding
14 84 23	Window Washing Hoists
	3
14 90 00	<b>Other Conveying Equipment</b>
14 90 00 14 91 00	
	Other Conveying Equipment
14 91 00	Other Conveying Equipment Facility Chutes
<b>14 91 00</b> 14 91 13	Other Conveying Equipment Facility Chutes Coal Chutes
<b>14 91 00</b> 14 91 13 14 91 23	Other Conveying Equipment Facility Chutes Coal Chutes Escape Chutes
14 91 00 14 91 13 14 91 23 14 91 33	Other Conveying Equipment Facility Chutes Coal Chutes Escape Chutes Laundry and Linen Chutes
14 91 00 14 91 13 14 91 23 14 91 33 14 91 82	Other Conveying Equipment Facility Chutes Coal Chutes Escape Chutes Laundry and Linen Chutes Trash Chutes

21 00 00	Fire Suppression
21 01 00	Operation and Maintenance of Fire Suppression
21 01 10	Operation and Maintenance of Water-Based Fire-Suppression Systems
21 01 20	Operation and Maintenance of Fire-Extinguishing Systems
21 01 30	Operation and Maintenance of Fire-Suppression Equipment
21 05 00	Common Work Results for Fire Suppression
21 05 05	Selective Demolition for Fire Suppression
21 05 13	Common Motor Requirements for Fire-Suppression Equipment
21 05 16 21 05 19	Expansion Fittings and Loops for Fire-Suppression Piping Meters and Gages for Fire-Suppression Systems
21 05 13	General-Duty Valves for Water-Based Fire-Suppression Piping
21 05 29	Hangers and Supports for Fire-Suppression Piping and Equipment
21 05 33	Heat Tracing for Fire-Suppression Piping
21 05 48	Vibration and Seismic Controls for Fire-Suppression Piping and Equipment
21 05 53	Identification for Fire-Suppression Piping and Equipment
21 06 00	Schedules for Fire Suppression
21 06 10	Schedules for Water-Based Fire-Suppression Systems
21 06 20	Schedules for Fire-Extinguishing Systems
21 06 30	Schedules for Fire-Suppression Equipment
21 07 00	Fire Suppression Systems Insulation
21 07 16 21 07 19	Fire-Suppression Equipment Insulation Fire-Suppression Piping Insulation
21 08 00	Commissioning of Fire Suppression
	• • • • • • • • • • • • • • • • • • • •
21 09 00	Instrumentation and Control for Fire-Suppression
	Systems
21 10 00	Water-Based Fire-Suppression Systems
21 11 00	Facility Fire-Suppression Water-Service Piping
21 11 16	Facility Fire Hydrants
21 11 19	Fire-Department Connections
21 12 00	Fire-Suppression Standpipes
21 12 13	Fire-Suppression Hoses and Nozzles
21 12 16	Fire-Suppression Hose Reels
21 12 19 21 12 23	Fire-Suppression Hose Racks Fire-Suppression Hose Valves
21 13 00	Fire-Suppression Sprinkler Systems Wet-Pipe Sprinkler Systems
21 13 13 21 13 16	Dry-Pipe Sprinkler Systems
21 13 19	Preaction Sprinkler Systems
21 13 23	Combined Dry-Pipe and Preaction Sprinkler Systems
21 13 26	Deluge Fire-Suppression Sprinkler Systems
21 13 29	Water Spray Fixed Systems
21 13 36	Antifreeze Sprinkler Systems
21 13 39	Foam-Water Systems  Fire Suppression Procesure Maintenance Pumps
21 16 00	Fire-Suppression Pressure Maintenance Pumps
21 20 00	Fire-Extinguishing Systems

21 21 00	Carbon-Dioxide Fire-Extinguishing Systems
21 21 13	Carbon-Dioxide Fire-Extinguishing Piping
21 21 16	Carbon-Dioxide Fire-Extinguishing Equipment
21 22 00	Clean-Agent Fire-Extinguishing Systems
21 22 13	Clean-Agent Fire-Extinguishing Piping
21 22 16	Clean-Agent Fire-Extinguishing Equipment
21 23 00	Wet-Chemical Fire-Extinguishing Systems
21 23 13	Wet-Chemical Fire-Extinguishing Piping
21 23 16	Wet-Chemical Fire-Extinguishing Equipment
21 24 00	Dry-Chemical Fire-Extinguishing Systems
21 24 13	Dry-Chemical Fire-Extinguishing Piping
21 24 16	Dry-Chemical Fire-Extinguishing Equipment
21 30 00	Fire Pumps
21 31 00	Centrifugal Fire Pumps
21 31 13	Electric-Drive, Centrifugal Fire Pumps
21 31 16	Diesel-Drive, Centrifugal Fire Pumps
21 32 00	Vertical-Turbine Fire Pumps
21 32 13	Electric-Drive, Vertical-Turbine Fire Pumps
21 32 16	Diesel-Drive, Vertical-Turbine Fire Pumps
21 33 00	Positive-Displacement Fire Pumps
21 33 13	Electric-Drive, Positive-Displacement Fire Pumps
21 33 16	Diesel-Drive, Positive-Displacement Fire Pumps
21 40 00	Fire-Suppression Water Storage
21 41 00	Storage Tanks for Fire-Suppression Water
21 41 13	Pressurized Storage Tanks for Fire-Suppression Water
21 41 16	Elevated Storage Tanks for Fire-Suppression Water
21 41 19	Roof-Mounted Storage Tanks for Fire-Suppression Water
21 41 23	Ground Suction Storage Tanks for Fire-Suppression Water
21 41 26	Underground Storage Tanks for Fire-Suppression Water
21 41 29	Storage Tanks for Fire-Suppression Water Additives

<b>22 00 00</b>	Plumbing
22 01 00	Operation and Maintenance of Plumbing
22 01 10	Operation and Maintenance of Plumbing Piping and Pumps
22 01 10.16	Video Piping Inspections
22 01 10.51	Plumbing Piping Cleaning
22 01 10.61	Plumbing Piping Repairs
22 01 10.62	Plumbing Piping Relining
22 01 30	Operation and Maintenance of Plumbing Equipment
22 01 40	Operation and Maintenance of Plumbing Fixtures
22 01 50	Operation and Maintenance of Pool and Fountain Plumbing Systems
22 01 60	Operation and Maintenance of Laboratory and Healthcare Systems
22 05 00	Common Work Results for Plumbing
22 05 05	Selective Demolition for Plumbing
22 05 13	Common Motor Requirements for Plumbing Equipment
22 05 16 22 05 19	Expansion Fittings and Loops for Plumbing Piping
22 05 19	Meters and Gages for Plumbing Piping General-Duty Valves for Plumbing Piping
22 05 25	Hangers and Supports for Plumbing Piping and Equipment
22 05 29	Heat Tracing for Plumbing Piping
22 05 48	Vibration and Seismic Controls for Plumbing Piping and Equipment
22 05 53	Identification for Plumbing Piping and Equipment
22 05 73	Facility Drainage Manholes
22 05 76	Facility Drainage Piping Cleanouts
22 06 00	Schedules for Plumbing
22 06 10	Schedules for Plumbing Piping and Pumps
22 06 10.13	Plumbing Pump Schedule
22 06 12	Schedules for Facility Potable Water Storage
22 06 15	Schedules for General Service Compressed-Air Equipment
22 06 30	Schedules for Plumbing Equipment
22 06 30.13	Domestic Water Heater Schedule
22 06 40	Schedules for Plumbing Fixtures
22 06 40.13	Plumbing Fixture Schedule
22 06 50	Schedules for Pool and Fountain Plumbing Systems
22 06 60	Schedules for Laboratory and Healthcare Systems
22 07 00	Plumbing Insulation
22 07 16 22 07 19	Plumbing Equipment Insulation
	Plumbing Piping Insulation
22 08 00	Commissioning of Plumbing
22 09 00	Instrumentation and Control for Plumbing
22 10 00	Plumbing Piping
22 11 00	Facility Water Distribution
22 11 13	Facility Water Distribution Piping
22 11 16	Domestic Water Piping
22 11 19	Domestic Water Piping Specialties
22 11 23	Domestic Water Pumps
22 11 23.13	Domestic-Water Packaged Booster Pumps
22 11 23.23	Close-Coupled, In-Line, Sealless Centrifugal Domestic-Water Pumps
22 11 23 26	Close-Coupled Horizontally Mounted In-Line Centrifugal Domestic-Water Pumps

22 12 13 Facility Potable-Water Storage Tanks 22 12 16 Facility Elevated, Potable-Water Storage Tanks 22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks 22 12 21 Facility Underground Potable-Water Storage Tanks 22 12 23 Facility Indoor Potable-Water Storage Tanks 22 12 23.13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks 22 12 23.16 Facility Steel, Indoor Potable-Water Storage Pressure Tanks 22 12 23.23 Facility Plastic, Indoor Potable-Water Storage Pressure Tanks 22 12 23.26 Facility Plastic, Indoor Potable-Water Storage Pressure Tanks 22 13 30 Facility Sanitary Sewerage 22 13 16 Sanitary Waste and Vent Piping 22 13 19 Sanitary Waste Piping Specialties 22 13 19.23 Fats, Oils, and Grease Disposal Systems 22 13 19.36 Grease Removal Devices 22 13 19.36 Air-Admittance Valves 22 13 23 Sanitary Waste Interceptors
22 13 00 Facility Sanitary Sewerage  22 13 13 Facility Sanitary Sewers  22 13 16 Sanitary Waste and Vent Piping  22 13 19 Sanitary Waste Piping Specialties  22 13 19.13 Sanitary Drains  22 13 19.23 Fats, Oils, and Grease Disposal Systems  22 13 19.26 Grease Removal Devices  22 13 19.33 Backwater Valves  22 13 19.36 Air-Admittance Valves  22 13 23 Sanitary Waste Interceptors
22 13 13 Facility Sanitary Sewers 22 13 16 Sanitary Waste and Vent Piping 22 13 19 Sanitary Waste Piping Specialties 22 13 19.13 Sanitary Drains 22 13 19.23 Fats, Oils, and Grease Disposal Systems 22 13 19.26 Grease Removal Devices 22 13 19.33 Backwater Valves 22 13 19.36 Air-Admittance Valves 22 13 23 Sanitary Waste Interceptors
22 13 16 Sanitary Waste and Vent Piping 22 13 19 Sanitary Waste Piping Specialties 22 13 19.13 Sanitary Drains 22 13 19.23 Fats, Oils, and Grease Disposal Systems 22 13 19.26 Grease Removal Devices 22 13 19.33 Backwater Valves 22 13 19.36 Air-Admittance Valves 22 13 23 Sanitary Waste Interceptors
22 13 19 Sanitary Waste Piping Specialties 22 13 19.13 Sanitary Drains 22 13 19.23 Fats, Oils, and Grease Disposal Systems 22 13 19.26 Grease Removal Devices 22 13 19.33 Backwater Valves 22 13 19.36 Air-Admittance Valves 22 13 23 Sanitary Waste Interceptors
22 13 19.13 Sanitary Drains 22 13 19.23 Fats, Oils, and Grease Disposal Systems 22 13 19.26 Grease Removal Devices 22 13 19.33 Backwater Valves 22 13 19.36 Air-Admittance Valves 22 13 23 Sanitary Waste Interceptors
22 13 19.23 Fats, Oils, and Grease Disposal Systems 22 13 19.26 Grease Removal Devices 22 13 19.33 Backwater Valves 22 13 19.36 Air-Admittance Valves 22 13 23 Sanitary Waste Interceptors
22 13 19.33 Backwater Valves 22 13 19.36 Air-Admittance Valves 22 13 23 Sanitary Waste Interceptors
22 13 19.36 Air-Admittance Valves 22 13 23 Sanitary Waste Interceptors
22 13 23 Sanitary Waste Interceptors
,
22 13 26 Sanitary Waste Separators
22 13 29 Sanitary Sewerage Pumps
22 13 29.13 Wet-Pit-Mounted, Vertical Sewerage Pumps
22 13 29.16 Submersible Sewerage Pumps
22 13 29.23 Sewerage Pump Reverse-Flow Assemblies
<ul><li>22 13 29.33 Sewerage Pump Basins and Pits</li><li>22 13 33 Packaged, Submersible Sewerage Pump Units</li></ul>
22 13 36 Packaged, Wastewater Pump Units
22 13 43 Facility Packaged Sewage Pumping Stations
22 13 43.13 Facility Dry-Well Packaged Sewage Pumping Stations
22 13 43.16 Facility Wet-Well Packaged Sewage Pumping Stations
22 13 53 Facility Septic Tanks
22 13 63 Facility Gray Water Tanks
22 14 00 Facility Storm Drainage
22 14 13 Facility Storm Drainage Piping
22 14 16 Rainwater Leaders
22 14 19 Sump Pump Discharge Piping 22 14 23 Storm Drainage Piping Specialties
22 14 25 Storm Drainage Piping Speciatiles 22 14 26 Facility Storm Drains
22 14 26.13 Roof Drains
22 14 26.16 Facility Area Drains
22 14 26.19 Facility Trench Drains
22 14 29 Sump Pumps
22 14 29.13 Wet-Pit-Mounted, Vertical Sump Pumps 22 14 29.16 Submersible Sump Pumps
22 14 29.16 Submersible Sump Pumps 22 14 29.19 Sump-Pump Basins and Pits
22 14 33 Packaged, Pedestal Drainage Pump Units
22 14 36 Packaged, Submersible, Drainage Pump Units

22 14 53	Rainwater Storage Tanks
22 15 00	General Service Compressed-Air Systems
22 15 13	General Service Compressed-Air Piping
22 15 16	General Service Compressed-Air Valves
22 15 19	General Service Packaged Air Compressors and Receivers
22 15 19.13	General Service Packaged Reciprocating Air Compressors
22 15 19.16	General Service Packaged Liquid-Ring Air Compressors
22 15 19.19	General Service Packaged Rotary-Screw Air Compressors
22 15 19.23	General Service Packaged Sliding-Vane Air Compressors
22 30 00	Plumbing Equipment
22 31 00	Domestic Water Softeners
22 31 13	Residential Domestic Water Softeners
22 31 16	Commercial Domestic Water Softeners
22 32 00	Domestic Water Filtration Equipment
22 32 13	Domestic-Water Bag-Type Filters
22 32 16	Domestic-Water Freestanding Cartridge Filters
22 32 19	Domestic-Water Off-Floor Cartridge Filters
22 32 23	Domestic-Water Carbon Filters
22 32 26	Domestic-Water Sand Filters
22 32 26.13	Domestic-Water Circulating Sand Filters
22 32 26.16 22 32 26.19	Domestic-Water Multimedia Sand Filters Domestic-Water Greensand Filters
<b>22 33 00</b>	Electric Domestic Water Heaters
22 33 13 22 33 13.13	Instantaneous Electric Domestic Water Heaters Flow-Control, Instantaneous Electric Domestic Water Heaters
22 33 13.16	Thermostat-Control, Instantaneous Electric Domestic Water Heaters
22 33 30	Residential, Electric Domestic Water Heaters
22 33 30.13	Residential, Small-Capacity Electric Domestic Water Heaters
22 33 30.16	Residential, Storage Electric Domestic Water Heaters
22 33 30.23	Residential, Collector-to-Tank, Solar-Electric Domestic Water Heaters
22 33 30.26	Residential, Collector-to-Tank, Heat-Exchanger-Coil, Solar-Electric Domestic Water Heaters
22 33 33	Light-Commercial Electric Domestic Water Heaters
22 33 36	Commercial Domestic Water Electric Booster Heaters
22 33 36.13	Commercial Domestic Water Electric Booster Heaters
22 33 36.16	Commercial Storage Electric Domestic Water Heaters
22 34 00	Fuel-Fired Domestic Water Heaters
22 34 13	Instantaneous, Tankless, Gas Domestic Water Heaters
22 34 30	Residential Gas Domestic Water Heaters
22 34 30.13 22 34 30.16	Residential, Atmospheric, Gas Domestic Water Heaters Residential, Direct-Vent, Gas Domestic Water Heaters
22 34 30.10	Residential, Power-Vent, Gas Domestic Water Heaters
22 34 36	Commercial Gas Domestic Water Heaters
22 34 36.13	Commercial, Atmospheric, Gas Domestic Water Heaters
22 34 36.16	Commercial, Power-Burner, Gas Domestic Water Heaters
22 34 36.19	Commercial, Power-Vent, Gas Domestic Water Heaters
22 34 36.23	Commercial, High-Efficiency, Gas Domestic Water Heaters
22 34 36.26	Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters
22 34 36.29 22 34 46	Commercial, Grid-Type, Finned-Tube, Gas Domestic Water Heaters Oil-Fired Domestic Water Heaters
22 34 46.13	Large-Capacity, Oil-Fired Domestic Water Heaters
01 TO.10	-s.go capacity, on the comodic trater floaters

22 34 56	Dual-Fuel-Fired Domestic Water Heaters
22 35 00	Domestic Water Heat Exchangers
22 35 13	Instantaneous Domestic Water Heat Exchangers
22 35 13.13	Heating-Fluid-in-Coil, Instantaneous Domestic Water Heat Exchangers
22 35 13.16	Domestic-Water-in-Coil, Instantaneous Domestic Water Heat Exchangers
22 35 13.19	Heating-Fluid-in-U-Tube-Coil, Instantaneous Domestic Water Heat Exchangers
22 35 23	Circulating, Domestic Water Heat Exchangers
22 35 23.13	Circulating, Compact Domestic Water Heat Exchangers
22 35 23.16	Circulating, Storage Domestic Water Heat Exchangers
22 35 29	Noncirculating, Domestic Water Heat Exchangers
22 35 29.13	Noncirculating, Compact Domestic Water Heat Exchangers
22 35 29.16	Noncirculating, Storage Domestic Water Heat Exchangers
22 35 36	Domestic Water Brazed-Plate Heat Exchangers
22 35 39	Domestic Water Frame-and-Plate Heat Exchangers
22 35 43	Domestic Water Heat Reclaimers
22 36 00	Domestic Water Preheaters
22 36 13	Solar Domestic Water Preheaters
22 36 23	Geothermal Domestic Water Preheaters
22 40 00	Plumbing Fixtures
22 41 00	_
	Residential Plumbing Fixtures
22 41 13	Residential Water Closets, Urinals, and Bidets Residential Water Closets
22 41 13.13 22 41 13.16	Residential Urinals
22 41 13.19	Residential Bidets
22 41 16	Residential Lavatories and Sinks
22 41 16.13	Residential Lavatories
22 41 16.16	Residential Sinks
22 41 19	Residential Bathtubs
22 41 23	Residential Showers
22 41 26	Residential Disposers
22 41 36	Residential Laundry Trays
22 41 39	Residential Faucets, Supplies, and Trim
22 42 00	Commercial Plumbing Fixtures
22 42 13	Commercial Water Closets, Urinals, and Bidets
22 42 13.13	Commercial Water Closets
22 42 13.16	Commercial Urinals
22 42 16	Commercial Lavatories and Sinks
22 42 16.13	Commercial Lavatories
22 42 16.16	Commercial Sinks
22 42 19	Commercial Bathtubs
22 42 23	Commercial Showers
22 42 26	Commercial Disposers
22 42 29	Shampoo Bowls
22 42 33	Wash Fountains
22 42 36	Commercial Laundry Trays
22 42 39	Commercial Faucets, Supplies, and Trim
22 42 43	Flushometers
22 43 00	Healthcare Plumbing Fixtures
22 43 13	Healthcare Water Closets
22 43 16	Healthcare Sinks

	22 43 19	Healthcare Bathtubs
	22 43 23	Healthcare Showers
	22 43 39	Healthcare Faucets
	22 43 43	Healthcare Plumbing Fixture Flushometers
22	<b>45 00</b>	Emergency Plumbing Fixtures
	22 45 13	Emergency Showers
	22 45 16	Eyewash Equipment
	22 45 19	Self-Contained Eyewash Equipment
	22 45 23	Personal Eyewash Equipment
	22 45 26	Eye/Face Wash Equipment
	22 45 29	Hand-Held Emergency Drench Hoses
	22 45 33	Combination Emergency Fixture Units
	22 45 36	Emergency Fixture Water-Tempering Equipment
<b>22</b> 4	46 00	Security Plumbing Fixtures
	22 46 13	Security Water Closets and Urinals
	22 46 13.13	Security Water Closets
	22 46 13.16	Security Urinals
	22 46 16	Security Lavatories and Sinks
	22 46 16.13 22 46 16.16	Security Lavatories Security Sinks
	22 46 19	Security Showers
	22 46 39	Security Faucets, Supplies, and Trim
	22 46 43	Security Plumbing Fixture Flushometers
	22 46 53	Security Plumbing Fixture Supports
22	47 00	Drinking Fountains and Water Coolers
	22 47 13	Drinking Fountains
	22 47 16	Pressure Water Coolers
	22 47 19	Water-Station Water Coolers
	22 47 23	Remote Water Coolers
22	50 00	Pool and Fountain Plumbing Systems
22 :	51 00	Swimming Pool Plumbing Systems
	22 51 13	Swimming Pool Piping
	22 51 16	Swimming Pool Pumps
	22 51 19 22 51 23	Swimming Pool Water Treatment Equipment Swimming Pool Equipment Controls
22		
<b>ZZ</b> :	52 00	Fountain Plumbing Systems
	22 52 13	Fountain Piping
	22 52 16	Fountain Pumps
	22 52 19 22 52 23	Fountain Water Treatment Equipment Fountain Equipment Controls
00		
22	60 00	Gas and Vacuum Systems for Laboratory
		and Healthcare Facilities
22 (	61 00	Compressed-Air Systems for Laboratory and
	0.00	Healthcare Facilities
	22 61 13	Compressed-Air Piping for Laboratory and Healthcare Facilities
	22 61 13.53	Laboratory Compressed-Air Piping
	22 61 13.70	Healthcare Compressed-Air Piping
	22 61 13.74	Dental Compressed-Air Piping

	22 61 19	Compressed-Air Equipment for Laboratory and Healthcare Facilities
	22 61 19.53 22 61 19.70	Laboratory Compressed-Air Equipment Healthcare Compressed-Air Equipment
	22 61 19.74	Dental Compressed-Air Equipment
22	62 00	Vacuum Systems for Laboratory and Healthcare
~~	02 00	
		Facilities
	22 62 13	Vacuum Piping for Laboratory and Healthcare Facilities
	22 62 13.53	Laboratory Vacuum Piping
	22 62 13.70	Healthcare, Surgical Vacuum Piping
	22 62 13.74 22 62 19	Dental Vacuum Piping Vacuum Equipment for Laboratory and Healthcare Facilities
	22 62 19.53	Laboratory Vacuum Equipment
	22 62 19.70	Healthcare Vacuum Equipment
	22 62 19.74	Dental Vacuum and Evacuation Equipment
	22 62 23	Waste Anesthesia-Gas Piping
22	63 00	Gas Systems for Laboratory and Healthcare Facilities
	22 63 13	Gas Piping for Laboratory and Healthcare Facilities
	22 63 13.53	Laboratory Gas Piping
	22 63 13.70	Healthcare Gas Piping
	22 63 19	Gas Storage Tanks for Laboratory and Healthcare Facilities
	22 63 19.53	Laboratory Gas Storage Tanks
	22 63 19.70	Healthcare Gas Storage Tanks
<b>22</b>	66 00	Chemical-Waste Systems for Laboratory and
		Healthcare Facilities
	22 66 53	Laboratory Chemical-Waste and Vent Piping
	22 66 70	Healthcare Chemical-Waste and Vent Piping
	22 66 83	Chemical-Waste Tanks
	22 66 83.13	Chemical-Waste Dilution Tanks
	22 66 83.16	Chemical-Waste Neutralization Tanks
<b>22</b>	67 00	Processed Water Systems for Laboratory and
		Healthcare Facilities
	22 67 13	Processed Water Piping for Laboratory and Healthcare Facilities
	22 67 13.13	Distilled-Water Piping
	22 67 13.16	Reverse-Osmosis Water Piping
	22 67 13.19	Deionized-Water Piping
	22 67 19	Processed Water Equipment for Laboratory and Healthcare Facilities
	22 67 19.13	Distilled-Water Equipment
	22 67 19.16 22 67 19.19	Reverse-Osmosis Water Equipment Deionized-Water Equipment
	22 01 13.13	Delonized-water Equipment

23 00 00

23 07 00

23 07 13

## **Conditioning (HVAC) Operation and Maintenance of HVAC Systems** 23 01 00 23 01 10 Operation and Maintenance of Facility Fuel Systems 23 01 20 Operation and Maintenance of HVAC Piping and Pumps 23 01 30 Operation and Maintenance of HVAC Air Distribution 23 01 30.51 **HVAC Air-Distribution System Cleaning** Operation and Maintenance of Central Heating Equipment 23 01 50 23 01 60 Operation and Maintenance of Central Cooling Equipment Refrigerant Recovery/Recycling 23 01 60.71 Operation and Maintenance of Central HVAC Equipment 23 01 70 Operation and Maintenance of Decentralized HVAC Equipment 23 01 80 Diagnostic Systems for HVAC 23 01 90 23 05 00 Common Work Results for HVAC Selective Demolition for Heating, Ventilating, and Air Conditioning (HVAC) 23 05 05 23 05 13 Common Motor Requirements for HVAC Equipment Expansion Fittings and Loops for HVAC Piping 23 05 16 23 05 19 Meters and Gages for HVAC Piping 23 05 23 General-Duty Valves for HVAC Piping Hangers and Supports for HVAC Piping and Equipment 23 05 29 23 05 33 Heat Tracing for HVAC Piping Vibration and Seismic Controls for HVAC 23 05 48 Identification for HVAC Piping and Equipment 23 05 53 Anti-Microbial Coatings for HVAC Ducts and Equipment 23 05 63 23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment 23 05 93 Testing, Adjusting, and Balancing for HVAC 23 06 00 Schedules for HVAC 23 06 10 Schedules for Facility Fuel Service Systems 23 06 20 Schedules for HVAC Piping and Pumps Hydronic Pump Schedule 23 06 20.13 Schedules for HVAC Air Distribution 23 06 30 23 06 30.13 **HVAC Fan Schedule** 23 06 30.16 Air Terminal Unit Schedule 23 06 30.19 Air Outlet and Inlet Schedule 23 06 30.23 **HVAC Air Cleaning Device Schedule** 23 06 50 Schedules for Central Heating Equipment 23 06 50.13 Heating Boiler Schedule 23 06 60 Schedules for Central Cooling Equipment 23 06 60.13 Refrigerant Condenser Schedule 23 06 60.16 Packaged Water Chiller Schedule 23 06 70 Schedules for Central HVAC Equipment Indoor, Central-Station Air-Handling Unit Schedule 23 06 70.13 Packaged Outdoor HVAC Equipment Schedule 23 06 70.16 Schedules for Decentralized HVAC Equipment 23 06 80 Decentralized Unitary HVAC Equipment Schedule 23 06 80.13 23 06 80.16 Convection Heating and Cooling Unit Schedule 23 06 80.19 Radiant Heating Unit Schedule

Heating, Ventilating, and Air

**HVAC Insulation** 

**Duct Insulation** 

	23 07 16	HVAC Equipment Insulation
	23 07 19	HVAC Piping Insulation
23 (	08 00	Commissioning of HVAC
23 (	09 00	Instrumentation and Control for HVAC
	23 09 13	Instrumentation and Control Devices for HVAC
	23 09 13.13	Actuators and Operators
	23 09 13.23	Sensors and Transmitters
	23 09 13.33	Control Damage
	23 09 13.43 23 09 23	Control Dampers Direct-Digital Control System for HVAC
	23 09 23	Electric and Electronic Control System for HVAC
	23 09 43	Pneumatic Control System for HVAC
	23 09 53	Pneumatic and Electric Control System for HVAC
	23 09 93	Sequence of Operations for HVAC Controls
22	10 00	
		Facility Fuel Systems
23 ′	11 00	Facility Fuel Piping
	23 11 13	Facility Fuel-Oil Piping
	23 11 16	Facility Gasoline Piping
	23 11 23 23 11 26	Facility Natural-Gas Piping
22.		Facility Liquefied-Petroleum Gas Piping
23	12 00	Facility Fuel Pumps
	23 12 13	Facility Fuel-Oil Pumps
00.4	23 12 16	Facility Gasoline Dispensing Pumps
<b>23</b> <sup>1</sup>	13 00	Facility Fuel-Storage Tanks
	23 13 13	Facility Underground Fuel-Oil, Storage Tanks
	23 13 13.13 23 13 13.16	Double-Wall Steel, Underground Fuel-Oil, Storage Tanks Composite, Steel, Underground Fuel-Oil, Storage Tanks
	23 13 13.19	Jacketed, Steel, Underground Fuel-Oil, Storage Tanks
	23 13 13.23	Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks
	23 13 13.33	Fuel-Oil Storage Tank Pumps
	23 13 23	Facility Aboveground Fuel-Oil, Storage Tanks
	23 13 23.13	Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks
	23 13 23.16 23 13 23.19	Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks
	23 13 23.19	Insulated, Steel, Aboveground Fuel-Oil, Storage Tanks
	23 13 23.26	Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks
23	20 00	<b>HVAC Piping and Pumps</b>
	21 00	Hydronic Piping and Pumps
23 2	23 21 13	Hydronic Piping and Fullips
	23 21 13.13	Underground Hydronic Piping
	23 21 13.23	Aboveground Hydronic Piping
	23 21 13.33	Ground-Loop Heat-Pump Piping
	23 21 16	Hydronic Piping Specialties
	23 21 23	Hydronic Pumps
	23 21 23.13	In-Line Centrifugal Hydronic Pumps
	23 21 23.16	Base-Mounted, Centrifugal Hydronic Pumps
	23 21 23.19 23 21 23.23	Vertical-Mounted, Double-Suction Centrifugal Hydronic Pumps Vertical-Turbine Hydronic Pumps
	23 21 23.23	Automatic Condensate Pump Units

23 22 00	Steam and Condensate Piping and Pumps
23 22 13	Steam and Condensate Heating Piping
23 22 13.13	Underground Steam and Condensate Heating Piping
23 22 13.23	Aboveground Steam and Condensate Heating Piping
23 22 16	Steam and Condensate Heating Piping Specialties
23 22 23	Steam Condensate Pumps
23 22 23.13	Electric-Driven Steam Condensate Pumps
23 22 23.23	Pressure-Powered Steam Condensate Pumps
23 23 00	Refrigerant Piping
23 23 13	Refrigerant Piping Valves
23 23 16	Refrigerant Piping Specialties
23 23 19	Refrigerant Safety Relief Valve Discharge Piping
23 23 23	Refrigerants
23 24 00	Internal-Combustion Engine Piping
23 24 13	Internal-Combustion Engine Remote-Radiator Coolant Piping
23 24 16	Internal-Combustion Engine Exhaust Piping
23 25 00	HVAC Water Treatment
23 25 13	Water Treatment for Closed-Loop Hydronic Systems
23 25 16	Water Treatment for Open Hydronic Systems
23 25 19	Water Treatment for Steam System Feedwater
23 25 23	Water Treatment for Humidification Steam System Feedwater
23 30 00	HVAC Air Distribution
23 31 00	HVAC Ducts and Casings
23 31 13	Metal Ducts
23 31 13.13	Rectangular Metal Ducts
23 31 13.16 23 31 13.19	Round and Flat-Oval Spiral Ducts Metal Duct Fittings
23 31 16	Nonmetal Ducts
23 31 16.13	Fibrous-Glass Ducts
23 31 16.16	Thermoset Fiberglass-Reinforced Plastic Ducts
23 31 16.19	PVC Ducts
23 31 16.26	Concrete Ducts
23 31 19	HVAC Casings
23 32 00	Air Plenums and Chases
23 32 13	Fabricated, Metal Air Plenums
23 32 33	Air-Distribution Ceiling Plenums
23 32 36	Air-Distribution Floor Plenums
23 32 39	Air-Distribution Wall Plenums
23 32 43	Air-Distribution Chases Formed by General Construction
23 32 48	Acoustical Air Plenums
23 33 00	Air Duct Accessories
23 33 13	Dampers
23 33 13.13	Volume-Control Dampers
23 33 13.16	Fire Dampers
23 33 13.19	Smoke-Control Dampers
23 33 13.23	Backdraft Dampers
23 33 19	Duct Silencers
23 33 23	Turning Vanes
23 33 33	Duct-Mounting Access Doors
23 33 43	Flexible Connectors

Flexible Ducts
Duct Liners
HVAC Fans
Axial HVAC Fans
Centrifugal HVAC Fans
HVAC Power Ventilators
Air Curtains
Air Destratification Fans
Special Exhaust Systems
Dust Collection Systems
Sawdust Collection Systems
Engine Exhaust Systems
Positive-Pressure Engine Exhaust Systems
Mechanical Engine Exhaust Systems
Air Terminal Units
Constant-Air-Volume Units
Variable-Air-Volume Units
Air Outlets and Inlets
Diffusers, Registers, and Grilles
Fabric Air Distribution Devices
HVAC Gravity Ventilators
HVAC Gravity Dome Ventilators
HVAC Gravity Louvered-Penthouse Ventilators
HVAC Gravity Upblast Ventilators
Ventilation Hoods
Commercial-Kitchen Hoods
Listed Commercial-Kitchen Hoods
Standard Commercial-Kitchen Hoods
Fume Hoods
<b>HVAC Air Cleaning Devices</b>
Particulate Air Filtration
Panel Air Filters
Renewable-Media Air Filters
Washable Air Filters
Extended Surface Filters
High-Efficiency Particulate Filtration
Ultra-Low Penetration Filtration
Super Ultra-Low Penetration Filtration
Gas-Phase Air Filtration
Activated-Carbon Air Filtration
Chemically-Impregnated Adsorption Air Filtration Catalytic-Adsorption Air Filtration
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Electronic Air Cleaners
Washable Electronic Air Cleaners
Agglomerator Electronic Air Cleaners
Self-Contained Electronic Air Cleaners
<b>Central Heating Equipment</b>
Breechings, Chimneys, and Stacks

	23 51 13	Draft Control Devices
	23 51 13.13	Draft-Induction Fans
	23 51 13.16	Vent Dampers
	23 51 13.19	Barometric Dampers
	23 51 16	Fabricated Breechings and Accessories
	23 51 19	Fabricated Stacks
	23 51 23	Gas Vents
	23 51 33	Insulated Sectional Chimneys
	23 51 43	Flue-Gas Filtration Equipment
	23 51 43.13	Gaseous Filtration
	23 51 43.16	Particulate Filtration
23	52 00	Heating Boilers
	23 52 13	Electric Boilers
	23 52 16	Condensing Boilers
	23 52 16.13	Stainless-Steel Condensing Boilers
	23 52 16.16	Aluminum Condensing Boilers
	23 52 17	Low Mass Boilers
	23 52 19	Pulse Combustion Boilers
	23 52 23	Cast-Iron Boilers
	23 52 33	Water-Tube Boilers
	23 52 33.13	Finned Water-Tube Boilers
	23 52 33.16	Steel Water-Tube Boilers
	23 52 33.19	Copper Water-Tube Boilers
	23 52 39	Fire-Tube Boilers
	23 52 39.13	Scotch Marine Boilers
	23 52 39.16	Steel Fire-Tube Boilers
	23 52 83	Boiler Blowdown Systems
23	53 00	Heating Boiler Feedwater Equipment
	23 53 13	Boiler Feedwater Pumps
	23 53 16	Deaerators
23	54 00	Furnaces
	23 54 13	Electric-Resistance Furnaces
	23 54 16	Fuel-Fired Furnaces
	23 54 16.13	Gas-Fired Furnaces
	23 54 16.16	Oil-Fired Furnaces
23	55 00	Fuel-Fired Heaters
	23 55 13	Fuel-Fired Duct Heaters
	23 55 13.13	Oil-Fired Duct Heaters
	23 55 13.16	Gas-Fired Duct Heaters
	23 55 23	Gas-Fired Radiant Heaters
	23 55 23.13	Low-Intensity Gas-Fired Radiant Heaters
	23 55 23.16	High-Intensity Gas-Fired Radiant Heaters
	23 55 33	Fuel-Fired Unit Heaters
	23 55 33.13	Oil-Fired Unit Heaters
	23 55 33.16	Gas-Fired Unit Heaters
23	56 00	Solar Energy Heating Equipment
_5	23 56 13	Heating Solar Collectors
	23 56 13.13	Heating Solar Flat-Plate Collectors
	23 56 13.16	Heating Solar Concentrating Collectors
	23 56 13.19	Heating Solar Vacuum-Tube Collectors
	23 56 16	Packaged Solar Heating Equipment

23 56 23  23 57 00 23 57 13 23 57 16 23 57 19 23 57 19.13 23 57 19.16 23 57 33	Solar Air-Heating Panels  Heat Exchangers for HVAC  Steam-to-Steam Heat Exchangers Steam-to-Water Heat Exchangers Liquid-to-Liquid Heat Exchangers Plate-Type, Liquid-to-Liquid Heat Exchangers Shell-Type, Liquid-to-Liquid Heat Exchangers Direct Geoexchange Heat Exchangers
23 60 00	Central Cooling Equipment
23 61 00	Refrigerant Compressors
23 61 13	Centrifugal Refrigerant Compressors
23 61 13.13 23 61 16	Non-Condensable Gas Purge Equipment Reciprocating Refrigerant Compressors
23 61 19	Scroll Refrigerant Compressors
23 61 23	Rotary-Screw Refrigerant Compressors
23 62 00	Packaged Compressor and Condenser Units
23 62 13	Packaged Air-Cooled Refrigerant Compressor and Condenser Units
23 62 23	Packaged Water-Cooled Refrigerant Compressor and Condenser Units
23 63 00	Refrigerant Condensers
23 63 13	Air-Cooled Refrigerant Condensers
23 63 23	Water-Cooled Refrigerant Condensers
23 63 33	Evaporative Refrigerant Condensers
23 64 00	Packaged Water Chillers
23 64 13	Absorption Water Chillers
23 64 13.13 23 64 13.16	Direct-Fired Absorption Water Chillers
23 64 16	Indirect-Fired Absorption Water Chillers Centrifugal Water Chillers
23 64 16.13	Air-Cooled Centrifugal Water Chillers
23 64 16.16	Water-Cooled Centrifugal Water Chillers
23 64 19	Reciprocating Water Chillers
23 64 23	Scroll Water Chillers
23 64 26	Rotary-Screw Water Chillers
23 65 00	Cooling Towers
23 65 13 23 65 13.13	Forced-Draft Cooling Towers Open-Circuit, Forced-Draft Cooling Towers
23 65 13.16	Closed-Circuit, Forced-Draft Cooling Towers
23 65 16	Natural-Draft Cooling Towers
23 65 23	Field-Erected Cooling Towers
23 65 33	Liquid Coolers
23 70 00	Central HVAC Equipment
23 71 00	Thermal Storage
23 71 13	Thermal Heat Storage
23 71 13.13	Room Storage Heaters for Thermal Storage
23 71 13.16 23 71 13.19	Heat-Pump Boosters for Thermal Storage Central Furnace Heat-Storage Units
23 71 13.19	Pressurized-Water Thermal Storage Tanks
23 71 16	Chilled-Water Thermal Storage
23 71 19	Ice Storage
23 71 19.13	Internal Ice-on-Coil Thermal Storage

	23 71 19.16	External Ice-on-Coil Thermal Storage
	23 71 19.19	Encapsulated-Ice Thermal Storage
	23 71 19.23	Ice-Harvesting Thermal Storage
	23 71 19.26	Ice-Slurry Thermal Storage
23	72 00	Air-to-Air Energy Recovery Equipment
	23 72 13	Heat-Wheel Air-to-Air Energy-Recovery Equipment
	23 72 16	Heat-Pipe Air-to-Air Energy-Recovery Equipment
	23 72 19	Fixed-Plate Air-to-Air Energy-Recovery Equipment
	23 72 23	Packaged Air-to-Air Energy-Recovery Units
<b>23</b>	73 00	Indoor Central-Station Air-Handling Units
	23 73 13	Modular Indoor Central-Station Air-Handling Units
	23 73 23	Custom Indoor Central-Station Air-Handling Units
	23 73 33	Indoor Indirect Fuel-Fired Heating and Ventilating Units
	23 73 33.13	Indoor Indirect Oil-Fired Heating and Ventilating Units
	23 73 33.16	Indoor Indirect Gas-Fired Heating and Ventilating Units
	23 73 39	Indoor, Direct Gas-Fired Heating and Ventilating Units
23	74 00	Packaged Outdoor HVAC Equipment
	23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units
	23 74 23	Packaged, Outdoor, Heating-Only Makeup-Air Units
	23 74 23.13	Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units
	23 74 23.16	Packaged, Indirect-Fired, Outdoor, Heating-Only Makeup-Air Units
00	23 74 33	Dedicated Outdoor-Air Units
23	75 00	Custom-Packaged Outdoor HVAC Equipment
	23 75 13	Custom-Packaged, Outdoor, Central-Station Air-Handling Units
	23 75 23	Custom-Packaged, Outdoor, Heating and Ventilating Makeup-Air Units
	23 75 33	Custom-Packaged, Outdoor, Heating and Cooling Makeup Air-
	<b>-</b> 0.00	Conditioners
23	76 00	Evaporative Air-Cooling Equipment
	23 76 13	Direct Evaporative Air Coolers
	23 76 16	Indirect Evaporative Air Coolers
	23 76 19	Combined Direct and Indirect Evaporative Air Coolers
23	80 00	Decentralized HVAC Equipment
23	81 00	Decentralized Unitary HVAC Equipment
	23 81 13	Packaged Terminal Air-Conditioners
	23 81 16	Room Air-Conditioners
	23 81 19	Self-Contained Air-Conditioners
	23 81 19.13	Small-Capacity Self-Contained Air-Conditioners
	23 81 19.16	Large-Capacity Self-Contained Air-Conditioners
	23 81 23	Computer-Room Air-Conditioners
	23 81 26	Split-System Air-Conditioners
	23 81 26.13	Small-Capacity Split-System Air-Conditioners
	23 81 26.16	Large-Capacity Split-System Air-Conditioners
	23 81 29	Variable Refrigerant Flow HVAC Systems
	23 81 43	Air-Source Unitary Heat Pumps
••	23 81 46	Water-Source Unitary Heat Pumps
23	82 00	Convection Heating and Cooling Units
	23 82 13	Valance Heating and Cooling Units
	23 82 14	Chilled Beams
	23 82 16	Air Coils

23 82 19	Fan Coil Units
23 82 23	Unit Ventilators
23 82 26	Induction Units
23 82 29	Radiators
23 82 33	Convectors
23 82 36	Finned-Tube Radiation Heaters
23 82 39	Unit Heaters
23 82 39.13	Cabinet Unit Heaters
23 82 39.16	Propeller Unit Heaters
23 82 39.19	Wall and Ceiling Unit Heaters
23 82 41	Water-to-Water Heat Pumps
23 83 00	Radiant Heating Units
23 83 13	Radiant-Heating Electric Cables
23 83 13.16	Radiant-Heating Electric Mats
23 83 16	Radiant-Heating Hydronic Piping
23 83 23	Radiant-Heating Electric Panels
23 83 33	Electric Radiant Heaters
23 84 00	<b>Humidity Control Equipment</b>
23 84 13	Humidifiers
23 84 13.13	Heated-Pan Humidifiers
23 84 13.16	Wetted-Element Humidifiers
23 84 13.19	Atomizing Humidifiers
23 84 13.23	Direct-Steam-Injection Humidifiers
23 84 13.26	Jacketed, Steam Humidifiers
23 84 13.29	Self-Contained Steam Humidifiers
23 84 13.33	Portable Humidifiers
23 84 16	Mechanical Dehumidification Units
23 84 16.13	Outdoor, Mechanical Dehumidification Units
23 84 16.16	Indoor, Mechanical Dehumidification Units
23 84 16.33	Portable Dehumidifiers
23 84 19	Desiccant Dehumidification Units

<b>25 00 00</b>	Integrated Automation
25 01 00	Operation and Maintenance of Integrated Automation
25 01 10	Operation and Maintenance of Integrated Automation Network Equipment
25 01 20	Operation and Maintenance of Integrated Equipment
25 01 30	Operation and Maintenance of Integrated Automation Instrumentation and Terminal Devices
25 01 90	Diagnostic Systems for Integrated Automation
25 05 00	Common Work Results for Integrated Automation
25 05 05	Selective Demolition for Integrated Automation
25 05 13	Conductors and Cables for Integrated Automation
25 05 26	Grounding and Bonding for Integrated Automation
25 05 28	Pathways for Integrated Automation
25 05 28.29	Hangers and Supports for Integrated Automation
25 05 28.33 25 05 28.36	Conduits and Backboxes for Integrated Automation Cable Trays for Integrated Automation
25 05 28.39	Surface Raceways for Integrated Automation
25 05 48	Vibration and Seismic Controls for Integrated Automation
25 05 53	Identification for Integrated Automation
<b>25 06 00</b>	Schedules for Integrated Automation
25 06 11	Schedules for Integrated Automation Network
25 06 12	Schedules for Integrated Automation Network Gateways
25 06 13 25 06 14	Schedules for Integrated Automation Control and Monitoring Network Schedules for Integrated Automation Local Control Units
25 06 14	Schedules for Integrated Automation Instrumentation and Terminal
25 00 00	Devices
25 08 00	Commissioning of Integrated Automation
25 10 00	Integrated Automation Network
	Equipment
25 11 00	Integrated Automation Network Devices
25 11 13	Integrated Automation Network Servers
25 11 16	Integrated Automation Network Routers, Bridges, Switches, Hubs, and
	Modems
25 11 19	Integrated Automation Network Operator Workstations
25 12 00	Integrated Automation Network Gateways
25 12 13	Hardwired Integration Network Gateways
25 12 16	Direct-Protocol Integration Network Gateways
25 12 19	Neutral-Protocol Integration Network Gateways
25 12 23 <b>25 13 00</b>	Client-Server Information/Database Integration Network Gateways
25 13 00	Integrated Automation Control and Monitoring
05.40.40	Network
25 13 13	Integrated Automation Control and Monitoring Network Supervisory Control
25 13 16	Integrated Automation Control and Monitoring Network Integration Panels
25 13 19	Integrated Automation Control and Monitoring Network Interoperability
25 14 00	Integrated Automation Local Control Units
25 14 13	Integrated Automation Remote Control Panels
25 14 16	Integrated Automation Application-Specific Control Panels

25 14 19 25 14 23	Integrated Automation Terminal Control Units Integrated Automation Field Equipment Panels
25 15 00	Integrated Automation Software
25 15 13	Integrated Automation Software for Network Gateways
25 15 16	Integrated Automation Software for Control and Monitoring Networks
25 15 19	Integrated Automation Software for Local Control Units
25 30 00	Integrated Automation Instrumentation
	and Terminal Devices
25 31 00	<b>Integrated Automation Instrumentation and Terminal</b>
	Devices for Facility Equipment
25 32 00	Integrated Automation Instrumentation and Terminal
	Devices for Conveying Equipment
25 33 00	<b>Integrated Automation Instrumentation and Terminal</b>
	Devices for Fire-Suppression Systems
25 34 00	<b>Integrated Automation Instrumentation and Terminal</b>
	Devices for Plumbing
25 35 00	Integrated Automation Instrumentation and Terminal
	Devices for HVAC
25 35 13	Integrated Automation Actuators and Operators
25 35 16	Integrated Automation Sensors and Transmitters
25 35 19 25 35 23	Integrated Automation Control Dampers
25 35 25 25 35 26	Integrated Automation Control Dampers Integrated Automation Compressed Air Supply
25 36 00	Integrated Automation Instrumentation and Terminal
	Devices for Electrical Systems
25 36 13	Integrated Automation Power Meters
25 36 16	Integrated Automation KW Transducers
25 36 19	Integrated Automation Current Sensors
25 36 23	Integrated Automation Battery Monitors
25 36 26	Integrated Automation Lighting Relays
25 36 29 25 37 00	Integrated Automation UPS Monitors
25 37 00	Integrated Automation Instrumentation and Terminal Devices for Communications Systems
25 38 00	Integrated Automation Instrumentation and Terminal
23 30 00	Devices for Electronic Safety and Security Systems
25 50 00	Integrated Automation Facility Controls
25 51 00	Integrated Automation Control of Facility Equipment
25 52 00	Integrated Automation Control of Conveying
	Equipment
25 53 00	Integrated Automation Control of Fire-Suppression
	Systems
25 54 00	Integrated Automation Control of Plumbing

25 55 00	Integrated Automation Control of HVAC
25 56 00	Integrated Automation Control of Electrical Systems
25 57 00	Integrated Automation Control of Communications
	Systems
25 58 00	Integrated Automation Control of Electronic Safety
	and Security Systems
25 90 00	<b>Integrated Automation Control Sequences</b>
25 91 00	Integrated Automation Control Sequences for Facility
	Equipment
25 92 00	Integrated Automation Control Sequences for
23 32 00	•
	Conveying Equipment
25 93 00	Integrated Automation Control Sequences for Fire-
	Suppression Systems
25 94 00	Integrated Automation Control Sequences for
	Plumbing
25 95 00	Integrated Automation Control Sequences for HVAC
25 96 00	Integrated Automation Control Sequences for
20 30 00	Electrical Systems
25 07 00	
25 97 00	Integrated Automation Control Sequences for
	Communications Systems
25 98 00	Integrated Automation Control Sequences for
	Electronic Safety and Security Systems
	, ,

26 00 00	Electrical
26 01 00	Operation and Maintenance of Electrical Systems
26 01 10	Operation and Maintenance of Medium-Voltage Electrical Distribution
26 01 20	Operation and Maintenance of Low-Voltage Electrical Distribution
26 01 26	Maintenance Testing of Electrical Systems
26 01 30	Operation and Maintenance of Facility Electrical Power Generating and
00.04.40	Storing Equipment
26 01 40 26 01 50	Operation and Maintenance of Electrical Protection Systems Operation and Maintenance of Lighting
26 01 50.51	Luminaire Relamping
26 01 50.81	Luminaire Replacement
26 05 00	Common Work Results for Electrical
26 05 05	Selective Demolition for Electrical
26 05 13	Medium-Voltage Cables
26 05 13.13	Medium-Voltage Open Conductors
26 05 13.16	Medium-Voltage, Single- and Multi-Conductor Cables
26 05 19 26 05 19.13	Low-Voltage Electrical Power Conductors and Cables Undercarpet Electrical Power Cables
26 05 19.13	Manufactured Wiring Assemblies
26 05 23	Control-Voltage Electrical Power Cables
26 05 26	Grounding and Bonding for Electrical Systems
26 05 29	Hangers and Supports for Electrical Systems
26 05 33	Raceway and Boxes for Electrical Systems
26 05 33.13	Conduit for Electrical Systems
26 05 33.16 26 05 33.23	Boxes for Electrical Systems Surface raceways for Electrical Systems
26 05 36	Cable Trays for Electrical Systems
26 05 39	Underfloor Raceways for Electrical Systems
26 05 43	Underground Ducts and Raceways for Electrical Systems
26 05 46	Utility Poles for Electrical Systems
26 05 48	Vibration and Seismic Controls for Electrical Systems
26 05 53	Identification for Electrical Systems
26 05 73 26 05 83	Overcurrent Protective Device Coordination Study
<b>26 06 00</b>	Wiring Connections School Log for Floatrical
	Schedules for Electrical
26 06 10 26 06 20	Schedules for Medium-Voltage Electrical Distribution Schedules for Low-Voltage Electrical Distribution
26 06 20.13	Electrical Switchboard Schedule
26 06 20.16	Electrical Panelboard Schedule
26 06 20.19	Electrical Motor-Control Center Schedule
26 06 20.23	Electrical Circuit Schedule
26 06 20.26 26 06 30	Wiring Device Schedule Schedules for Facility Electrical Power Generating and Storing Equipment
26 06 40	Schedules for Electrical Protection Systems
26 06 50	Schedules for Lighting
26 06 50.13	Lighting Panelboard Schedule
26 06 50.16	Lighting Fixture Schedule
26 08 00	Commissioning of Electrical Systems
26 09 00	Instrumentation and Control for Electrical Systems
26 09 13	Electrical Power Monitoring

26 09 15	Peak Load Controllers
26 09 16	Electrical Controls and Relays
26 09 17	Programmable Controllers
26 09 19	Enclosed Contactors
26 09 23	Lighting Control Devices
26 09 26	Lighting Control Panelboards
26 09 33	Central Dimming Controls
26 09 33.13	Multichannel Remote-Controlled Dimmers
26 09 33.16 26 09 36	Remote-Controlled Dimming Stations  Modular Dimming Controls
26 09 36.13	Modular Dimming Controls  Manual Modular Dimming Controls
26 09 36.16	Integrated Multipreset Modular Dimming Controls
26 09 43	Network Lighting Controls
26 09 43.13	Digital-Network Lighting Controls
26 09 43.16	Addressable Fixture Lighting Control
26 09 43.19	Wireless Network Lighting Controls
26 09 61	Theatrical Lighting Controls
<b>26 10 00</b>	Medium-Voltage Electrical Distribution
26 11 00	Substations
26 11 13	Primary Unit Substations
26 11 16	Secondary Unit Substations
26 12 00	Medium-Voltage Transformers
26 12 13	Liquid-Filled, Medium-Voltage Transformers
26 12 16	Dry-Type, Medium-Voltage Transformers
26 12 19	Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers
26 13 00	Medium-Voltage Switchgear
26 13 13	Medium-Voltage Circuit Breaker Switchgear
26 13 16	Medium-Voltage Fusible Interrupter Switchgear
26 13 19	Medium-Voltage Vacuum Interrupter Switchgear
26 13 23	Medium-Voltage Metal-Enclosed Switchgear
26 13 26	Medium-Voltage Metal-Clad Switchgear
26 13 29	Medium-Voltage Compartmentalized Switchgear
26 16 00	Medium-Voltage Metering
26 18 00	Medium-Voltage Circuit Protection Devices
26 18 13	Medium-Voltage Cutouts
26 18 16	Medium-Voltage Fuses
26 18 19	Medium-Voltage Lightning Arresters
26 18 23	Medium-Voltage Surge Arresters
26 18 26	Medium-Voltage Reclosers
26 18 29	Medium-Voltage Enclosed Bus
26 18 33	Medium-Voltage Enclosed Fuse Cutouts
26 18 36	Medium-Voltage Enclosed Fuses
26 18 39	Medium-Voltage Motor Controllers
<b>26 20 00</b>	Low-Voltage Electrical Transmission
26 21 00	Low-Voltage Electrical Service Entrance
26 21 13	Low-Voltage Overhead Electrical Service Entrance
26 21 16	Low-Voltage Underground Electrical Service Entrance
26 22 00	Low-Voltage Transformers

26 22 13	Low-Voltage Distribution Transformers
26 22 16	Low-Voltage Buck-Boost Transformers
26 22 19	Control and Signal Transformers
26 23 00	Low-Voltage Switchgear
26 23 13	Paralleling Low-Voltage Switchgear
26 24 00	Switchboards and Panelboards
26 24 13	Switchboards
26 24 16	Panelboards
26 24 19	Motor-Control Centers
26 25 00	Enclosed Bus Assemblies
26 26 00	Power Distribution Units
26 27 00	Low-Voltage Distribution Equipment
26 27 13	Electricity Metering
26 27 16	Electrical Cabinets and Enclosures
26 27 19	Multi-Outlet Assemblies
26 27 23	Indoor Service Poles
26 27 26	Wiring Devices
26 27 73	Door Chimes
26 28 00	Low-Voltage Circuit Protective Devices
26 28 13	Fuses
26 28 16	
26 28 16.13	
26 28 16.16	Enclosed Switches
26 29 00	Low-Voltage Controllers
26 29 13	Enclosed Controllers
26 29 13.13 26 29 13.16	Across-the-Line Motor Controllers Reduced-Voltage Motor Controllers
26 29 23	Variable-Frequency Motor Controllers
26 29 33	Controllers for Fire Pump Drivers
26 29 33.13	Full-Service Controllers for Fire Pump Electric-Motor Drivers
26 29 33.16	Limited-Service Controllers for Fire Pump Electric-Motor Drivers
26 29 33.19	Controllers for Fire Pump Diesel Engine Drivers
<b>26 30 00</b>	Facility Electrical Power Generating and
	Storing Equipment
26 31 00	Photovoltaic Collectors
26 32 00	Packaged Generator Assemblies
26 32 13	Engine Generators
26 32 13.13	Diesel-Engine-Driven Generator Sets
26 32 13.16	Gas-Engine-Driven Generator Sets
26 32 13.26	Gas-Turbine Engine-Driven Generators
26 32 16	Steam-Turbine Generators
26 32 19	Hydro-Turbine Generators
26 32 23 26 32 26	Wind Energy Equipment
26 32 26 26 32 29	Frequency Changers Rotary Converters
26 32 33	Rotary Uninterruptible Power Units
26 32 36	Resistive Load Banks
26 33 00	Battery Equipment
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26 33 13	Batteries
26 33 16	Battery Racks
26 33 19	Battery Units
26 33 23	Central Battery Equipment
26 33 33	Static Power Converters
26 33 43	Battery Chargers
26 33 46	Battery Monitoring Static Unintersystible Power Supply
26 33 53	Static Uninterruptible Power Supply
26 35 00	Power Filters and Conditioners
26 35 13	Capacitors
26 35 16 26 35 23	Chokes and Inductors
26 35 26	Electromagnetic-Interference Filters Harmonic Filters
26 35 33	Power Factor Correction Equipment
26 35 36	Slip Controllers
26 35 43	Static-Frequency Converters
26 35 46	Radio-Frequency-Interference Filters
26 35 53	Voltage Regulators
26 36 00	Transfer Switches
26 36 13	Manual Transfer Switches
26 36 23	Automatic Transfer Switches
26 40 00	Electrical Protection
26 41 00	Facility Lightning Protection
26 41 13	Lightning Protection for Structures
26 41 13.13	Lightning Protection for Buildings
26 41 16	Lightning Prevention and Dissipation
26 41 19	Early Streamer Emission Lightning Protection
26 41 23	Lightning Protection Surge Arresters and Suppressors
26 43 00	Surge Protective Devices
26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits
26 50 00	Lighting
26 51 00	Interior Lighting
26 51 13	Interior Lighting Fixtures, Lamps, And Ballasts
26 52 00	Emergency Lighting
26 53 00	Exit Signs
26 54 00	Classified Location Lighting
26 55 00	Special Purpose Lighting
26 55 23	Outline Lighting
26 55 29	Underwater Lighting
26 55 33	Hazard Warning Lighting
26 55 36	Obstruction Lighting
26 55 39	Helipad Lighting
26 55 53	Security Lighting
26 55 59	Display Lighting
26 55 61 26 55 63	Theatrical Lighting
26 55 63 26 55 70	Detention Lighting Healthcare Lighting
20 00 10	risalinsars Lighting

26 55 83	Broadcast Lighting
26 56 00	Exterior Lighting
26 56 13	Lighting Poles and Standards
26 56 16	Parking Lighting
26 56 19	Roadway Lighting
26 56 23	Area Lighting
26 56 26	Landscape Lighting
26 56 29	Site Lighting
26 56 33	Walkway Lighting
26 56 36	Flood Lighting
26 56 68	Exterior Athletic Lighting

27 00 00	Communications
27 01 00	Operation and Maintenance of Communications
	Systems
27 01 10 27 01 20 27 01 30 27 01 40 27 01 50	Operation and Maintenance of Structured Cabling and Enclosures Operation and Maintenance of Data Communications Operation and Maintenance of Voice Communications Operation and Maintenance of Audio-Video Communications Operation and Maintenance of Distributed Communications and Monitoring
27 05 00	Common Work Results for Communications
27 05 05 27 05 13 27 05 13.13 27 05 13.23 27 05 13.33 27 05 13.43 27 05 13.53 27 05 26 27 05 28 27 05 29	Selective Demolition for Communications Communications Services Dialtone Services T1 Services DSL Services Cable Services Satellite Services Grounding and Bonding for Communications Systems Pathways for Communications Systems Hangers and Supports for Communications Systems
27 05 33	Conduits and Backboxes for Communications Systems
27 05 36 27 05 39 27 05 43 27 05 46 27 05 48 27 05 53	Cable Trays for Communications Systems Surface Raceways for Communications Systems Underground Ducts and Raceways for Communications Systems Utility Poles for Communications Systems Vibration and Seismic Controls for Communications Systems Identification for Communications Systems
27 06 00	Schedules for Communications
27 06 10 27 06 20 27 06 30 27 06 40 27 06 50 <b>27 08 00</b>	Schedules for Structured Cabling and Enclosures Schedules for Data Communications Schedules for Voice Communications Schedules for Audio-Video Communications Schedules for Distributed Communications and Monitoring
	Commissioning of Communications
27 10 00	Structured Cabling
27 11 00 27 11 13 27 11 16 27 11 19 27 11 23 27 11 26	Communications Equipment Room Fittings Communications Entrance Protection Communications Cabinets, Racks, Frames, and Enclosures Communications Termination Blocks and Patch Panels Communications Cable Management and Ladder Rack Communications Rack Mounted Power Protection and Power Strips Communications Rackbone Cabling
27 13 00 27 13 13 27 13 13.13 27 13 23 27 13 23.13 27 13 33 27 13 33.13 27 13 43	Communications Backbone Cabling Communications Copper Backbone Cabling Communications Copper Cable Splicing and Terminations Communications Optical Fiber Backbone Cabling Communications Optical Fiber Splicing and Terminations Communications Coaxial Backbone Cabling Communications Coaxial Splicing and Terminations Communications Services Cabling

	27 13 43.13 27 13 43.23 27 13 43.33	Dialtone Services Cabling T1 Services Cabling DSL Services Cabling
	27 13 43.43 27 13 43.53	Cable Services Cabling Satellite Services Cabling
27	15 00	Communications Horizontal Cabling
	27 15 01	Communications Horizontal Cabling Applications
	27 15 01.16	Voice Communications Horizontal Cabling
	27 15 01.19	Data Communications Horizontal Cabling
	27 15 01.23	Audio-Video Communications Horizontal Cabling
	27 15 01.39 27 15 01.43	Patient Monitoring and Telemetry Communications Horizontal Cabling  Nurse Call and Intercom Communications Horizontal Cabling
	27 15 01.46	Paging Communications Horizontal Cabling
	27 15 01.49	Intermediate Frequency/Radio Frequency Communications Horizontal Cabling
	27 15 01.53	Antennas Communications Horizontal Cabling
	27 15 13	Communications Copper Horizontal Cabling
	27 15 23	Communications Optical Fiber Horizontal Cabling
	27 15 33	Communications Coaxial Horizontal Cabling
	27 15 43	Communications Faceplates and Connectors
27	16 00	Communications Connecting Cords, Devices, and
		Adapters
	27 16 13	Communications Custom Cable Assemblies
	27 16 16	Communications Media Converters, Adapters, and Transceivers
	27 16 19	Communications Patch Cords, Station Cords, and Cross Connect Wire
<b>27</b>	<sup>'</sup> 20 00	Data Communications
<b>27</b>	21 00	Data Communications Network Equipment
	27 21 13	Data Communications Firewalls
	27 21 16	Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and
		Modems
	27 21 26	Data Communications Network Management
	27 21 29	Data Communications Switches and Hubs
27	27 21 33	Data Communications Wireless Access Points
21		Data Cammunicationa Handurana
	22 00	Data Communications Hardware
	27 22 13	Data Communications Mainframes
	27 22 13 27 22 16	Data Communications Mainframes Data Communications Storage and Backup
	27 22 13 27 22 16 27 22 19	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers
	27 22 13 27 22 16 27 22 19 27 22 23	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops
	27 22 13 27 22 16 27 22 19	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers
27	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds
27	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops
27	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29 24 00	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds  Data Communications Peripheral Data Equipment
27	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29 24 00 27 24 13	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds  Data Communications Peripheral Data Equipment Printers
27	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29 <b>24 00</b> 27 24 13 27 24 16 27 24 19 27 24 23	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds  Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices
27	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29 <b>24 00</b> 27 24 13 27 24 16 27 24 19 27 24 23 27 24 26	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds  Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices Virtual Reality Equipment
	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29 <b>24 00</b> 27 24 13 27 24 16 27 24 19 27 24 23 27 24 26 27 24 29	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds  Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices Virtual Reality Equipment Disaster Recovery Equipment
	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29 <b>24 00</b> 27 24 13 27 24 16 27 24 19 27 24 23 27 24 26 27 24 29 <b>25 00</b>	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds  Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices Virtual Reality Equipment Disaster Recovery Equipment  Data Communications Software
	27 22 13 27 22 16 27 22 19 27 22 23 27 22 26 27 22 29 <b>24 00</b> 27 24 13 27 24 16 27 24 19 27 24 23 27 24 26 27 24 29	Data Communications Mainframes Data Communications Storage and Backup Data Communications Servers Data Communications Desktops Data Communications Laptops Data Communications Handhelds  Data Communications Peripheral Data Equipment Printers Scanners External Drives Audio-Video Devices Virtual Reality Equipment Disaster Recovery Equipment

	27 25 19	Email Software
	27 25 23	Graphics/Multimedia Software
	27 25 26	Customer Relationship Management Software
	27 25 29	Operating System Software
	27 25 33	Database Software
	27 25 37	Virtual Private Network Software
	27 25 39	Internet Conferencing Software
<b>27</b>	26 00	<b>Data Communications Programming and Integration</b>
		Services
	27 26 13	Web Development
	27 26 16	Database Development
	27 26 19	Application Development
	27 26 23	Network Integration Requirements
	27 26 26	Data Communications Integration Requirements
27	30 00	Voice Communications
	31 00	Voice Communications Switching and Routing
	01 00	Equipment
	27 21 12	• •
	27 31 13 27 31 23	PBX/ Key Systems Internet Protocol Voice Switches
07		
21	32 00	Voice Communications Terminal Equipment
	27 32 13	Telephone Sets
	27 32 16	
	27 32 23	Elevator Telephones
	27 32 26	Ring-Down Emergency Telephones
	27 32 29	Facsimiles and Modems
	27 32 36	TTY Equipment
	27 32 43	Radio Communications Equipment
<b>27</b>	33 00	Voice Communications Messaging
	27 33 16	Voice Mail and Auto Attendant
	27 33 23	Interactive Voice Response
	27 33 26	Facsimile Servers
27	34 00	Call Accounting
	27 34 13	Toll Fraud Equipment and Software
	27 34 16	Telemanagement Software
27	35 00	Call Management
	27 35 13	Digital Voice Announcers
	27 35 16	Automatic Call Distributors
	27 35 19	Call Status and Management Displays
	27 35 23	Dedicated 911 Systems
27	40 00	Audio-Video Communications
	41 00	Audio-Video Systems
<b>~</b> I	27 41 13	Architecturally Integrated Audio-Video Equipment
	27 41 13	Integrated Audio-Video Systems and Equipment
	27 41 16 27 41 16.25	Integrated Audio-Video Systems and Equipment for Restaurants and Bars
	27 41 16.23	Integrated Audio-Video Systems and Equipment for Conference Rooms
	27 41 16.29	Integrated Audio-Video Systems and Equipment for Board Rooms
	27 41 16 51	Integrated Audio-Video Systems and Equipment for Classrooms

27 41 16.52	Integrated Audio-Video Systems and Equipment for Religious Facilities
27 41 16.61 27 41 16.62	Integrated Audio-Video Systems and Equipment for Theaters Integrated Audio-Video Systems and Equipment for Auditoriums
27 41 16.62	Integrated Audio-Video Systems and Equipment for Stadiums and Arenas
27 41 19	Portable Audio-Video Equipment
27 41 23	Audio-Video Accessories
27 41 33	Master Antenna Television Systems
27 41 43	Audio-Video Conferencing
27 42 00	Electronic Digital Systems
27 42 13	Point of Sale Systems
27 42 16	Transportation Information Display Systems
27 42 19	Public Information Systems
27 50 00	Distributed Communications and
	Monitoring Systems
27 51 00	Distributed Audio-Video Communications Systems
27 51 13	Paging Systems
27 51 13.13	Overhead Paging Systems
27 51 16	Public Address Systems
27 51 19	Sound Masking Systems
27 51 23	Intercommunications and Program Systems
27 51 23.20	Commercial Intercommunications and Program Systems
27 51 23.30 27 51 23.50	Residential Intercommunications and Program Systems Educational Intercommunications and Program Systems
27 51 23.63	Detention Intercommunications and Program Systems
27 51 23.70	Healthcare Intercommunications and Program Systems
27 51 26	Assistive Listening Systems
27 52 00	<b>Healthcare Communications and Monitoring Systems</b>
27 52 13	Patient Monitoring and Telemetry Systems
27 52 16	Telemedicine Systems
27 52 19	Healthcare Imaging Systems
27 52 23	Nurse Call/Code Blue Systems
27 53 00	Distributed Systems
27 53 13	Clock Systems
27 53 13.13	Wireless Clock Systems
27 53 16	Infrared and Radio Frequency Tracking Systems
27 53 19	Internal Cellular, Paging, and Antenna Systems

28 00 00	Electronic Safety and Security
28 01 00	Operation and Maintenance of Electronic Safety and
	Security
28 01 10	Operation and Maintenance of Electronic Access Control and Intrusion Detection
28 01 10.51	Maintenance and Administration of Electronic Access Control and Intrusion Detection
28 01 10.71 28 01 20 28 01 30 28 01 30.51 28 01 30.71 28 01 40 28 01 40.51 28 01 40.71	Revisions and Upgrades of Electronic Access Control and Intrusion Detection Operation and Maintenance of Electronic Surveillance Operation and Maintenance of Electronic Detection and Alarm Maintenance and Administration of Electronic Detection and Alarm Revisions and Upgrades of Electronic Detection and Alarm Operation and Maintenance of Electronic Monitoring and Control Maintenance and Administration of Electronic Monitoring and Control Revisions and Upgrades of Electronic Monitoring and Control
28 05 00	Common Work Results for Electronic Safety and
	Security
28 05 05 28 05 13 28 05 13.13 28 05 13.16 28 05 13.19 28 05 13.23 28 05 26 28 05 28 28 05 28.29 28 05 28.33 28 05 28.36 28 05 28.39 28 05 48 28 05 53 28 06 10 28 06 20 28 06 30	Selective Demolition for Electronic Safety and Security Conductors and Cables for Electronic Safety and Security CCTV Communications Conductors and Cables Access Control Communications Conductors and Cables Intrusion Detection Communications Conductors and Cables Fire Alarm Communications Conductors and Cables Grounding and Bonding for Electronic Safety and Security Pathways for Electronic Safety and Security Hangers and Supports for Electronic Safety and Security Conduits and Backboxes for Electronic Safety and Security Cable Trays for Electronic Safety and Security Surface Raceways for Electronic Safety and Security Vibration and Seismic Controls for Electronic Safety and Security Identification for Electronic Safety and Security Schedules for Electronic Safety and Intrusion Detection Schedules for Electronic Surveillance Schedules for Electronic Detection and Alarm
28 06 40	Schedules for Electronic Monitoring and Control
28 08 00	Commissioning of Electronic Safety and Security
28 10 00	<b>Electronic Access Control and Intrusion</b>
	Detection
28 13 00	Access Control
28 13 13 28 13 16 28 13 19 28 13 26 28 13 26.11 28 13 33 28 13 33.16	Access Control Global Applications Access Control Systems and Database Management Access Control Systems Infrastructure Access Control Remote Devices Wireless Access Control Devices Access Control Interfaces Access Control Interfaces to Access Control Hardware
28 13 33.26	

	28 13 33.33	Access Control Interfaces to Video Surveillance
	28 13 33.36	Access Control Interfaces to Fire Alarm
	28 13 43	Access Control Identification Management Systems
	28 13 53	Security Access Detection
	28 13 53.13 28 13 53.16	Security Access Metal Detectors Security Access X-Ray Equipment
	28 13 53.10	Security Access A-Ray Equipment Security Access Explosive Detection Equipment
	28 13 53.29	Security Access Sniffing Equipment
	28 13 63	Access Control Vehicle Identification System
28 1	16 00	Intrusion Detection
20	28 16 13	
	28 16 16	Intrusion Detection Control, GUI, and Logic Systems Intrusion Detection Systems Infrastructure
	28 16 19	Intrusion Detection Systems inhastructure Intrusion Detection Remote Devices and Sensors
	28 16 33	Intrusion Detection Interfaces
	28 16 33.13	Intrusion Detection Interfaces to Remote Monitoring
	28 16 33.16	Intrusion Detection Interfaces to Access Control Hardware
	28 16 33.23	Intrusion Detection Interfaces to Access Control System
	28 16 33.33	Intrusion Detection Interfaces to Video Surveillance
	28 16 33.36	Intrusion Detection Interfaces to Fire Alarm
	28 16 43	Perimeter Security Systems
28	20 00	Electronic Surveillance
28 2	23 00	Video Surveillance
	28 23 13	Video Surveillance Control and Management Systems
	28 23 16	Video Surveillance Monitoring and Supervisory Interfaces
	28 23 19	Digital Video Recorders and Analog Recording Devices
	28 23 23	Video Surveillance Systems Infrastructure
	28 23 26	Video Surveillance Remote Positioning Equipment
	28 23 29	Video Surveillance Remote Devices and Sensors
28 2	26 00	Electronic Personal Protection Systems
	28 26 13	Electronic Personal Safety Detection Systems
	28 26 16	Electronic Personal Safety Alarm Annunciation and Control Systems
	28 26 19	Electronic Personal Safety Interfaces to Remote Monitoring
	28 26 23	Electronic Personal Safety Emergency Aid Devices
28	30 00	Electronic Detection and Alarm
	31 00	Fire Detection and Alarm
	28 31 11	Digital, Addressable Fire-Alarm Systems
	28 31 12	Zoned (DC Loop) Fire-Alarm Systems
	28 31 13	Fire Detection and Alarm Control, GUI, and Logic Systems
	28 31 23	Fire Detection and Alarm Annunciation Panels and Fire Stations
	28 31 33	Fire Detection and Alarm Interfaces
	28 31 33.13	Fire Detection and Alarm Interfaces to Remote Monitoring
	28 31 33.16	Fire Detection and Alarm Interfaces to Access Control Hardware
	28 31 33.23	Fire Detection and Alarm Interfaces to Access Control System
	28 31 33.26	Fire Detection and Alarm Interfaces to Intrusion Detection
	28 31 33.33 28 31 33.43	Fire Detection and Alarm Interfaces to Video Surveillance Fire Detection and Alarm Interfaces to Elevator Control
	28 31 43	Fire Detection Sensors
	28 31 46	Smoke Detection Sensors
	28 31 49	Carbon-Monoxide Detection Sensors
	28 31 53	Fire Alarm Initiating Devices

28 31 53.13	Fire Alarm Pull Stations
28 31 53.23	Fire Alarm Level Detectors Switches
28 31 53.33	Fire Alarm Flow Switches
28 31 53.43	Fire Alarm Pressure Sensors
28 31 63	Fire Alarm Integrated Audio Visual Evacuation Systems
28 31 63.13	Fire Alarm Horns and Strobes
28 32 00	Radiation Detection and Alarm
28 32 13	Radiation Detection and Alarm Control, GUI, and Logic Systems
28 32 23	Radiation Detection and Alarm Integrated Audio Evacuation Systems
28 32 33	Radiation Detection Sensors
28 32 43	Radiation Dosimeters
28 33 00	Gas Detection and Alarm
28 33 13	Gas Detection and Alarm Control, GUI, and Logic Systems
28 33 23	Gas Detection and Alarm Integrated Audio Evacuation Systems
28 33 33	Gas Detection Sensors
28 34 00	Fuel-Oil Detection and Alarm
28 34 13	Fuel-Oil Detection and Alarm Control, GUI, and Logic Systems
28 34 23	Fuel-Oil Detection and Alarm Integrated Audio Evacuation Systems
28 34 33	Fuel-Oil Detection Sensors
28 35 00	Refrigerant Detection and Alarm
28 35 13	Refrigerant Detection and Alarm Control, GUI, and Logic Systems
28 35 23	Refrigerant Detection and Alarm Integrated Audio Evacuation Systems
28 35 33	Refrigerant Detection Sensors
28 36 00	Water Detection and Alarm
28 36 13	Water Detection and Alarm Control, GUI, and Logic Systems
28 36 33	Water Detection Sensors
28 36 43	Building Envelope Water Detection and Alarm
28 39 00	Mass Notification Systems
28 40 00	Electronic Monitoring and Control
28 41 00	Electronic Structural Monitoring Systems
28 46 00	Electronic Detention Monitoring and Control Systems
28 46 13	Hard-Wired Detention Monitoring and Control Systems
28 46 16	Relay-Logic Detention Monitoring and Control Systems
28 46 19	PLC Electronic Detention Monitoring and Control Systems
28 46 23	Computer-Based Detention Monitoring and Control Systems
28 46 26	Discreet-Logic Detention Monitoring and Control Systems
28 46 29	Discreet-Distributed Intelligence Detention Monitoring and Control Systems

31 00 00	Earthwork
31 01 00	Maintenance of Earthwork
31 01 10	Maintenance of Clearing
31 01 20	Maintenance of Earth Moving
31 01 40	Maintenance of Shoring and Underpinning
31 01 50	Maintenance of Excavation Support and Protection
31 01 60 31 01 62	Maintenance of Special Foundations and Load Bearing Elements Maintenance of Driven Piles
31 01 62.61	Driven Pile Repairs
31 01 63	Maintenance of Bored and Augered Piles
31 01 63.61	Bored and Augered Pile Repairs
31 01 70	Maintenance of Tunneling and Mining
31 01 70.61	Tunnel Leak Repairs
31 05 00	Common Work Results for Earthwork
31 05 05 31 05 13	Selective Demolition for Earthwork Soils for Earthwork
31 05 16	Aggregates for Earthwork
31 05 19	Geosynthetics for Earthwork
31 05 19.13	Geotextiles for Earthwork
31 05 19.16	Geomembranes for Earthwork
31 05 19.19 31 05 19.23	Geogrids for Earthwork Geosynthetic Clay Liners
31 05 19.26	Geocomposites
31 05 19.29	Geonets
31 05 23	Cement and Concrete for Earthwork
31 06 00	Schedules for Earthwork
31 06 10 31 06 20	Schedules for Clearing Schedules for Earth Moving
31 06 20.13	Trench Dimension Schedule
31 06 20.16	Backfill Material Schedule
31 06 40	Schedules for Shoring and Underpinning
31 06 50	Schedules for Excavation Support and Protection
31 06 60 31 06 60.13	Schedules for Special Foundations and Load Bearing Elements Driven Pile Schedule
31 06 60.16	Caisson Schedule
31 06 70	Schedules for Tunneling and Mining
31 08 00	Commissioning of Earthwork
31 08 13	Pile Load Testing
31 08 13.13 31 08 13.16	Dynamic Pile Load Testing Static Pile Load Testing
31 09 00	Geotechnical Instrumentation and Monitoring of
31 03 00	Earthwork
31 09 13	Geotechnical Instrumentation and Monitoring
31 09 13.13	Groundwater Monitoring During Construction
31 09 16	Foundation Performance Instrumentation
31 09 16.26	Bored and Augered Pile Load Tests
31 10 00	Site Clearing
31 11 00	Clearing and Grubbing
31 12 00	Selective Clearing

31 13 00	<b>Selective Tree and Shrub Removal and Trimming</b>
31 13 13	Selective Tree and Shrub Removal
31 13 16	Selective Tree and Shrub Trimming
31 14 00	Earth Stripping and Stockpiling
31 14 13	Soil Stripping and Stockpiling
31 14 13.13	Soil Stripping
31 14 13.16	Soil Stockpiling
31 14 13.23	Topsoil Stripping and Stockpiling
31 14 16	Sod Stripping and Stockpiling
31 14 16.13	Sod Stripping
31 14 16.16	Sod Stockpiling
31 20 00	Earth Moving
31 21 00	Off-Gassing Mitigation
31 21 13	Radon Mitigation
31 21 13.13	Radon Venting
31 21 16	Methane Mitigation
31 21 16.13	Methane Venting
31 22 00	Grading
31 22 13	Rough Grading
31 22 16	Fine Grading
31 22 16.13	Roadway Subgrade Reshaping
31 22 19	Finish Grading
31 22 19.13	Spreading and Grading Topsoil
31 23 00	Excavation and Fill
31 23 13	Subgrade Preparation
31 23 16	Excavation
31 23 16.13 31 23 16.16	Trenching Structural Excavation for Minor Structures
31 23 16.16	Rock Removal
31 23 19	Dewatering
31 23 23	Fill
31 23 23.13	Backfill
31 23 23.23	Compaction
31 23 23.33	Flowable Fill
31 23 23.43	Geofoam Transhing and Backfilling
31 23 33	Trenching and Backfilling
31 24 00	Embankments
31 24 13	Roadway Embankments
31 24 16	Railway Embankments
31 25 00	Erosion and Sedimentation Controls
31 25 14	Stabilization Measures for Erosion and Sedimentation Control
31 25 14.13	Hydraulically-Applied Erosion Control
31 25 14.16 31 25 24	Rolled Erosion Control Mats and Blankets Structural Measures for Erosion and Sedimentation Control
31 25 24 31 25 24.13	Rock Barriers
31 25 34	Retention Measures for Erosion and Sedimentation Controls
31 25 34.13	Rock Basins
31 30 00	Earthwork Methods
31 31 00	Soil Treatment

	31 31 13 31 31 13.16 31 31 13.19 31 31 13.23 31 31 13.26 31 31 16	Rodent Control Rodent Control Bait Systems Rodent Control Traps Rodent Control Electronic Systems Rodent Control Repellants Termite Control
	31 31 16.13	Chemical Termite Control
	31 31 16.16 31 31 16.19	Termite Control Bait Systems Termite Control Barriers
	31 31 19	Vegetation Control
	31 31 19.13	Chemical Vegetation Control
31	32 00	Soil Stabilization
	31 32 13	Soil Mixing Stabilization
	31 32 13.13	Asphalt Soil Stabilization
	31 32 13.16 31 32 13.19	Cement Soil Stabilization Lime Soil Stabilization
	31 32 13.19	Fly-Ash Soil Stabilization
	31 32 13.26	Lime-Fly-Ash Soil Stabilization
	31 32 16	Chemical Treatment Soil Stabilization
	31 32 16.13	Polymer Emulsion Soil Stabilization
	31 32 17	Water Injection Soil Stabilization
	31 32 19 31 32 19.13	Geosynthetic Soil Stabilization and Layer Separation Geogrid Soil Stabilization
	31 32 19.13	Geotextile Soil Stabilization
	31 32 19.19	Geogrid Layer Separation
	31 32 19.23	Geotextile Layer Separation
	31 32 23	Pressure Grouting Soil Stabilization
	31 32 23.13 31 32 23.16	Cementitious Pressure Grouting Soil Stabilization Chemical Pressure Grouting Soil Stabilization
	31 32 33	Shotcrete Soil Slope Stabilization
	31 32 36	Soil Nailing
	31 32 36.13	Driven Soil Nailing
	31 32 36.16	Grouted Soil Nailing
	31 32 36.19	Corrosion-Protected Soil Nailing
	31 32 36.23 31 32 36.26	Jet-Grouted Soil Nailing Launched Soil Nailing
21	<b>33 00</b>	Rock Stabilization
JI	31 33 13	Rock Bolting and Grouting
	31 33 23	Rock Slope Netting
	31 33 26	Rock Slope Wire Mesh
	31 33 33	Shotcrete Rock Slope Stabilization
	31 33 43	Vegetated Rock Slope Stabilization
31	34 00	Soil Reinforcement
	31 34 19	Geosynthetic Soil Reinforcement
	31 34 19.13	Geogrid Soil Reinforcement
	31 34 19.16	Geotextile Soil Reinforcement
	31 34 23 31 34 23.13	Fiber Soil Reinforcement Geosynthetic Fiber Soil Reinforcement
21	<b>35 00</b>	
JI	31 35 19	Slope Protection Geosynthetic Slope Protection
	31 35 19.13	Geogrid Slope Protection
	31 35 19.16	Geotextile Slope Protection

	31 35 19.19	Slope Protection with Mulch Control Netting
	31 35 23	Slope Protection with Slope Paving
	31 35 23.13 31 35 23.16	Cast-In-Place Concrete Slope Paving Precast Concrete Slope Paving
	31 35 23.19	Concrete Unit Masonry Slope Paving
	31 35 26	Containment Barriers
	31 35 26.13	Clay Containment Barriers
	31 35 26.16	Geomembrane Containment Barriers
	31 35 26.23	Bentonite Slurry Trench
31	36 00	Gabions
	31 36 13	Gabion Boxes
	31 36 19	Gabion Mattresses
	31 36 19.13	Vegetated Gabion Mattresses
31	37 00	Riprap
	31 37 13	Machined Riprap
	31 37 16	Non-Machined Riprap
	31 37 16.13	Rubble-Stone Riprap
	31 37 16.16	Concrete Unit Masonry Riprap
	31 37 16.19	Sacked Sand-Cement Riprap
31	40 00	Shoring and Underpinning
31	41 00	Shoring
	31 41 13	Timber Shoring
	31 41 16	Sheet Piling
	31 41 16.13	Steel Sheet Piling
	31 41 16.16	Plastic Sheet Piling
	31 41 19	Metal Hydraulic Shoring
	31 41 19.13	Aluminum Hydraulic Shoring
	31 41 23 31 41 33	Pneumatic Shoring
24		Trench Shielding
31	43 00	Concrete Raising
	31 43 13	Pressure Grouting
	31 43 13.13 31 43 13.16	Concrete Pressure Grouting Polyurethane Pressure Grouting
	31 43 16	Compaction Grouting
	31 43 19	Mechanical Jacking
31	45 00	Vibroflotation and Densification
•	31 45 13	Vibroflotation
	31 45 16	Densification
31	46 00	Needle Beams
•	31 46 13	Cantilever Needle Beams
31	48 00	Underpinning
•	31 48 13	Underpinning Piers
	31 48 19	Bracket Piers
	31 48 23	Jacked Piers
	31 48 33	Micropile Underpinning
31	50 00	<b>Excavation Support and Protection</b>
<b>5</b> 1	51 00	Anchor Tiebacks
	31 51 13	Excavation Soil Anchors
	31 51 16	Excavation Rock Anchors

31	52 00	Cofferdams
	31 52 13	Sheet Piling Cofferdams
	31 52 16	Timber Cofferdams
	31 52 19	Precast Concrete Cofferdams
31	53 00	Cribbing and Walers
	31 53 13	Timber Cribwork
31	54 00	Ground Freezing
-	56 00	Slurry Walls
<b>J</b> I		•
	31 56 13 31 56 13.13	Bentonite Slurry Walls Soil-Bentonite Slurry Walls
	31 56 13.16	Cement-Bentonite Slurry Walls
	31 56 13.19	Slag-Cement-Bentonite Slurry Walls
	31 56 13.23	Soil-Cement-Bentonite Slurry Walls
	31 56 13.26	Pozzolan-Bentonite Slurry Walls
	31 56 13.29	Organically-Modified Bentonite Slurry Walls
	31 56 16	Attipulgite Slurry Walls
	31 56 16.13	Soil-Attipulgite Slurry Walls
	31 56 19	Slurry-Geomembrane Composite Slurry Walls
	31 56 23	Lean Concrete Slurry Walls
	31 56 26	Bio-Polymer Trench Drain
31	60 00	Special Foundations and Load-Bearing
		Elements
	00.00	
31	62 00	Driven Piles
	31 62 13	Concrete Piles
	31 62 13.13	Cast-in-Place Concrete Piles
	31 62 13.16 31 62 13.19	Concrete Displacement Piles Precast Concrete Piles
	31 62 13.19	Prestressed Concrete Piles
	31 62 13.26	Pressure-Injected Footings
	31 62 16	Steel Piles
	31 62 16.13	Sheet Steel Piles
	31 62 16.16	Steel H Piles
	31 62 16.19	Unfilled Tubular Steel Piles
	31 62 19	Timber Piles
	31 62 23	Composite Piles
	31 62 23.13	Concrete-Filled Steel Piles
24	31 62 23.16	Wood and Cast-In-Place Concrete Piles
31	63 00	Bored Piles
	31 63 13	Bored and Augered Test Piles
	31 63 16	Auger Cast Grout Piles
	31 63 19 31 63 19.13	Bored and Socketed Piles Rock Sockets for Piles
	31 63 23	Bored Concrete Piles
	31 63 23.13	Bored and Belled Concrete Piles
	31 63 23.16	Bored Friction Concrete Piles
	31 63 26	Drilled Caissons
	31 63 26.13	Fixed End Caisson Piles
	31 63 26.16	Concrete Caissons for Marine Construction
	31 63 29	Drilled Concrete Piers and Shafts

	31 63 29.16 31 63 33	Cased Drilled Concrete Piers Drilled Micropiles
31	64 00	Caissons
_	31 64 13	Box Caissons
	31 64 16	Excavated Caissons
	31 64 19	Floating Caissons
	31 64 23	Open Caissons
	31 64 26	Pneumatic Caissons
	31 64 29	Sheeted Caissons
31	66 00	Special Foundations
	31 66 13	Special Piles
	31 66 13.13	Rammed Aggregate Piles
	31 66 15	Helical Foundation Piles
	31 66 16 31 66 16.13	Special Foundation Walls Anchored Foundation Walls
	31 66 16.23	Concrete Cribbing Foundation Walls
	31 66 16.26	Metal Cribbing Foundation Walls
	31 66 16.33	Manufactured Modular Foundation Walls
	31 66 16.43	Mechanically Stabilized Earth Foundation Walls
	31 66 16.46 31 66 16.53	Slurry Diaphragm Foundation Walls Soldier-Beam Foundation Walls
	31 66 16.56	Permanently-Anchored Soldier-Beam Foundation Walls
	31 66 19	Refrigerated Foundations
31	68 00	Foundation Anchors
-	31 68 13	Rock Foundation Anchors
	31 68 16	Helical Foundation Anchors
31	70 00	Tunneling and Mining
31	71 00	Tunnel Excavation
	31 71 13	Shield Driving Tunnel Excavation
	31 71 16	Tunnel Excavation by Drilling and Blasting
		Tunnel Excavation by Tunnel Boring Machine
	31 71 19	•
	31 71 23	Tunneling by Cut and Cover
31	31 71 23 <b>72 00</b>	Tunneling by Cut and Cover Tunnel Support Systems
31	31 71 23 <b>72 00</b> 31 72 13	Tunneling by Cut and Cover  Tunnel Support Systems  Rock Reinforcement and Initial Support
	31 71 23 <b>72 00</b> 31 72 13 31 72 16	Tunneling by Cut and Cover  Tunnel Support Systems  Rock Reinforcement and Initial Support Steel Ribs and Lagging
	31 71 23 <b>72 00</b> 31 72 13 31 72 16 <b>73 00</b>	Tunneling by Cut and Cover  Tunnel Support Systems  Rock Reinforcement and Initial Support Steel Ribs and Lagging  Tunnel Grouting
	31 71 23 <b>72 00</b> 31 72 13 31 72 16 <b>73 00</b> 31 73 13	Tunneling by Cut and Cover  Tunnel Support Systems  Rock Reinforcement and Initial Support Steel Ribs and Lagging  Tunnel Grouting  Cement Tunnel Grouting
31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16	Tunneling by Cut and Cover  Tunnel Support Systems  Rock Reinforcement and Initial Support Steel Ribs and Lagging  Tunnel Grouting  Cement Tunnel Grouting  Chemical Tunnel Grouting
31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00	Tunnel Support Systems Rock Reinforcement and Initial Support Steel Ribs and Lagging Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting Tunnel Construction
31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13	Tunnel Support Systems Rock Reinforcement and Initial Support Steel Ribs and Lagging Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting Tunnel Construction Cast-in-Place Concrete Tunnel Lining
31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16	Tunneling by Cut and Cover  Tunnel Support Systems  Rock Reinforcement and Initial Support Steel Ribs and Lagging  Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting  Tunnel Construction  Cast-in-Place Concrete Tunnel Lining Precast Concrete Tunnel Lining
31 31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19	Tunneling by Cut and Cover  Tunnel Support Systems  Rock Reinforcement and Initial Support Steel Ribs and Lagging  Tunnel Grouting  Cement Tunnel Grouting  Chemical Tunnel Grouting  Tunnel Construction  Cast-in-Place Concrete Tunnel Lining  Precast Concrete Tunnel Lining  Shotcrete Tunnel Lining
31 31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00	Tunnel Support Systems Rock Reinforcement and Initial Support Steel Ribs and Lagging Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting Tunnel Construction Cast-in-Place Concrete Tunnel Lining Precast Concrete Tunnel Lining Shotcrete Tunnel Lining Shaft Construction
31 31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00 31 75 13	Tunnel Support Systems Rock Reinforcement and Initial Support Steel Ribs and Lagging Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting Tunnel Construction Cast-in-Place Concrete Tunnel Lining Precast Concrete Tunnel Lining Shotcrete Tunnel Lining Shaft Construction Cast-in-Place Concrete Shaft Lining
31 31 31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00 31 75 13 31 75 16	Tunnel Support Systems Rock Reinforcement and Initial Support Steel Ribs and Lagging Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting Tunnel Construction Cast-in-Place Concrete Tunnel Lining Precast Concrete Tunnel Lining Shotcrete Tunnel Lining Shaft Construction Cast-in-Place Concrete Shaft Lining Precast Concrete Shaft Lining
31 31 31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00 31 75 13 31 75 16 77 00	Tunnel Support Systems Rock Reinforcement and Initial Support Steel Ribs and Lagging Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting Tunnel Construction Cast-in-Place Concrete Tunnel Lining Precast Concrete Tunnel Lining Shotcrete Tunnel Lining Shaft Construction Cast-in-Place Concrete Shaft Lining Precast Concrete Shaft Lining Precast Concrete Shaft Lining Precast Concrete Shaft Lining
31 31 31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00 31 75 13 31 75 16 77 00 31 77 13	Tunnel Support Systems Rock Reinforcement and Initial Support Steel Ribs and Lagging Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting Tunnel Construction Cast-in-Place Concrete Tunnel Lining Precast Concrete Tunnel Lining Shotcrete Tunnel Lining Shaft Construction Cast-in-Place Concrete Shaft Lining Precast Concrete Shaft Lining Precast Concrete Shaft Lining Precast Concrete Shaft Lining Submersible Tube Tunnels Trench Excavation for Submerged Tunnels
31 31 31	31 71 23 72 00 31 72 13 31 72 16 73 00 31 73 13 31 73 16 74 00 31 74 13 31 74 16 31 74 19 75 00 31 75 13 31 75 16 77 00	Tunnel Support Systems Rock Reinforcement and Initial Support Steel Ribs and Lagging Tunnel Grouting Cement Tunnel Grouting Chemical Tunnel Grouting Tunnel Construction Cast-in-Place Concrete Tunnel Lining Precast Concrete Tunnel Lining Shotcrete Tunnel Lining Shaft Construction Cast-in-Place Concrete Shaft Lining Precast Concrete Shaft Lining Precast Concrete Shaft Lining Precast Concrete Shaft Lining

#### **Exterior Improvements** 32 00 00 **Operation and Maintenance of Exterior Improvements** 32 01 00 Paving Cleaning 32 01 11 Rubber and Paint Removal from Paving 32 01 11.51 32 01 11.52 Rubber Removal from Paving 32 01 11.53 Paint Removal from Paving Flexible Paving Surface Treatment 32 01 13 Slurry Seal (Latex Modified) 32 01 13.61 **Asphalt Surface Treatment** 32 01 13.62 32 01 16 Flexible Paving Rehabilitation Cold Milling Asphalt Paving 32 01 16.71 Asphalt Paving Reuse 32 01 16.72 In Place Cold Reused Asphalt Paving 32 01 16.73 32 01 16.74 In Place Hot Reused Asphalt Paving 32 01 16.75 Heater Scarifying of Asphalt Paving 32 01 17 Flexible Paving Repair Sealing Cracks in Asphalt Paving 32 01 17.61 Stress-Absorbing Membrane Interlayer 32 01 17.62 Rigid Paving Surface Treatment 32 01 19 Sealing of Joints in Rigid Paving 32 01 19.61 32 01 19.62 Patching of Rigid Paving 32 01 23 Base Course Reconditioning 32 01 26 Rigid Paving Rehabilitation **Grooving of Concrete Paving** 32 01 26.71 32 01 26.72 Grinding of Concrete Paving 32 01 26.73 Milling of Concrete Paving 32 01 26.74 **Concrete Overlays** 32 01 26.75 Concrete Paving Reuse 32 01 29 Rigid Paving Repair Partial Depth Patching of Rigid Paving 32 01 29.61 Concrete Paving Raising 32 01 29.62 32 01 29.63 Subsealing and Stabilization 32 01 30 Operation and Maintenance of Site Improvements 32 01 30.13 **Snow Removal** Operation and Maintenance of Irrigation 32 01 80 Operation and Maintenance of Planting 32 01 90 32 01 90.13 Fertilizing 32 01 90.16 **Amending Soils** 32 01 90.19 Mowing 32 01 90.23 Pruning Watering 32 01 90.26 **Topsoil Preservation** 32 01 90.29

### 32 05 00 Common Work Results for Exterior Improvements

32 05 05	Selective Demolition for Exterior Improvements
32 05 13	Soils for Exterior Improvements
32 05 16	Aggregates for Exterior Improvements
32 05 19	Geosynthetics for Exterior Improvements
32 05 19.13	Geotextiles for Exterior Improvements
32 05 19.16	Geomembranes for Exterior Improvements
32 05 19.19	Geogrids for Exterior Improvements
32 05 23	Cement and Concrete for Exterior Improvements

Tree and Shrub Preservation

32 01 90.33

32 05 33  32 06 00  32 06 10  32 06 10.13  32 06 30  32 06 30.13  32 06 80  32 06 80.13  32 06 90  32 06 90.13  32 08 00	Common Work Results for Planting  Schedules for Exterior Improvements  Schedules for Bases, Ballasts, and Paving Pedestrian Walkway Schedule Schedules for Site Improvements Retaining Wall Schedule Schedules for Irrigation Irrigation Piping Schedule Schedules for Planting Planting Schedule  Commissioning of Exterior Improvements
32 10 00	Bases, Ballasts, and Paving
32 11 00  32 11 13  32 11 13.13  32 11 13.16  32 11 16  32 11 16.13  32 11 16.16  32 11 23  32 11 23  32 11 26.13  32 11 26.13  32 11 26.19  32 11 26.19  32 11 29  32 11 29  32 11 29  32 11 33  32 11 33  32 11 36.11  32 11 36.11  32 11 36.11  32 11 36.19  32 11 39	Base Courses Subgrade Modifications Lime-Treated Subgrades Bituminous-Treated Subgrades Subbase Courses Sand-Clay Subbase Courses Aggregate Subbase Courses Aggregate Base Courses Sand-Clay Base Courses Base Course Drainage Layers Asphaltic Base Courses Plant Mix Asphaltic Base Courses Road Mix Asphaltic Base Courses Bituminous-Stabilized Base Courses Lime Treated Base Courses Lime-Fly Ash-Treated Base Courses Cement-Treated Base Courses Portland Cement-Stabilized Base Courses Concrete Base Courses Soil-Cement Concrete Base Courses Lean Concrete Base Courses Plain Cement Concrete Base Courses Hydraulic Cement Concrete Base Courses Shell Base Course
32 12 00	Flexible Paving
32 12 13 32 12 13.13 32 12 13.16 32 12 13.19 32 12 13.23 32 12 16.13 32 12 16.16 32 12 16.19 32 12 16.23 32 12 16.26 32 12 16.29 32 12 16.33 32 12 16.36 32 12 19	Preparatory Coats Tack Coats Asphaltic Tack Coats Prime Coats Asphaltic Prime Coats Asphalt Paving Plant-Mix Asphalt Paving Road-Mix Asphalt Paving Cold-Mix Asphalt Paving Reinforced Asphalt Paving Fiber-Modified Asphalt Paving Polymer-Modified Asphalt Paving Granulated Rubber-Modified Asphalt Paving Athletic Asphalt Paving Asphalt Paving Wearing Courses

32 12 19	9.13 Road-Mix Asphalt Paving Wearing Courses
32 12 19	and the state of t
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32 12 19	, , ,
32 12 33	<b>5</b>
32 12 30	6 Seal Coats
32 12 36	5.13 Asphaltic Seal and Fog Coats
32 12 36	
32 12 36	
32 12 36	
32 12 43	
32 12 7	<u> </u>
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32 13 00	Rigid Paving
32 13 13	3 Concrete Paving
32 13 13	<u> </u>
32 13 13	, , , , , , , , , , , , , , , , , , , ,
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32 13 13	•
32 13 13	•
32 13 13	· · · · · · · · · · · · · · · · · · ·
32 13 10	6 Decorative Concrete Paving
32 13 16	5.13 Patterned Concrete Paving
32 13 16	5.19 Imprinted Concrete Paving
32 13 16	5.23 Stamped Concrete Paving
32 13 43	
32 13 7	<b>U</b>
32 13 73	•
32 I3 /3	3.13 Fuel-Resistant Concrete Paving Joint Sealants
	14C Field Melded Consents Devine Taint Conlents
32 13 73	<u> </u>
32 13 73 32 13 73	3.19 Compression Concrete Paving Joint Sealants
32 13 73	3.19 Compression Concrete Paving Joint Sealants
32 13 73 32 13 73 <b>32 14 00</b>	3.19 Compression Concrete Paving Joint Sealants Unit Paving
32 13 73 32 13 73 <b>32 14 00</b> 32 14 13	3.19 Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving
32 13 73 32 13 73 <b>32 14 00</b> 32 14 13 32 14 13	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving
32 13 73 32 13 73 <b>32 14 00</b> 32 14 13 32 14 13 32 14 13	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs
32 13 73 32 13 73 <b>32 14 00</b> 32 14 13 32 14 13 32 14 13 32 14 13	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving
32 13 73 32 13 73 <b>32 14 00</b> 32 14 13 32 14 13 32 14 13 32 14 13	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 10 32 14 23	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Asphalt Unit Paving
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 23 32 14 23	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Wood Paving
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 10 32 14 23	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Wood Paving
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 20 32 14 20 32 14 20	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 10 32 14 20 32 14 20 32 14 20 32 14 40	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving Stone Paving
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 10 32 14 20 32 14 20 32 14 20 32 14 40 32 14 40	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving Stone Paving Porous Unit Paving
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 10 32 14 20 32 14 20 32 14 20 32 14 40 32 14 40 32 14 40	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Porous Precast Concrete Unit Paving Procus Precast Concrete Unit Paving Procus Unit Paving Procus Unit Paving Procus Unit Paving  Aggregate Surfacing
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 10 32 14 20 32 14 20 32 14 20 32 14 40 32 14 40	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Porous Precast Concrete Unit Paving Procus Precast Concrete Unit Paving Procus Unit Paving Precast Concrete Unit Paving Procus Unit Paving Procus Unit Paving Procus Unit Paving  Aggregate Surfacing
32 13 73 32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 10 32 14 20 32 14 20 32 14 20 32 14 40 32 14 40 32 14 40	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Pecycled-Rubber Paving Stone Paving Porous Unit Paving Aggregate Surfacing Cinder Surfacing
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 14 32 14 29 32 14 29 32 14 49 32 14 49 32 15 10 32 15 13	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving Stone Paving Porous Unit Paving Aggregate Surfacing Cinder Surfacing Crushed Stone Surfacing
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 16 32 14 26 32 14 26 32 14 46 32 14 46 32 15 13 32 15 56	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving Stone Paving Porous Unit Paving Aggregate Surfacing Cinder Surfacing Crushed Stone Surfacing Aggregate-Turf Pavement
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 16 32 14 26 32 14 26 32 14 26 32 14 46 32 15 15 32 15 56 32 16 00	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving Stone Paving Porous Unit Paving Aggregate Surfacing Cinder Surfacing Crushed Stone Surfacing Aggregate-Turf Pavement Curbs, Gutters, Sidewalks, and Driveways
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 16 32 14 26 32 14 26 32 14 46 32 14 46 32 15 16 32 15 56 32 16 00 32 16 13	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving Stone Paving Porous Unit Paving Aggregate Surfacing Cinder Surfacing Crushed Stone Surfacing Aggregate-Turf Pavement Curbs, Gutters, Sidewalks, and Driveways Curbs and Gutters
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 13 32 14 20 32 14 20 32 14 20 32 14 40 32 14 40 32 15 10 32 15 10 32 15 10 32 16 13 32 16 13	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Surfacing Concrete Curbs and Gutters Curbs and Gutters Cast-In-Place Concrete Curbs and Gutters
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 13 32 14 20 32 14 20 32 14 20 32 14 40 32 14 40 32 15 13 32 15 50 32 16 13 32 16 13 32 16 13	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Paving Precast Concrete Surfacing Precast Concrete Surfacing Crushed Stone Surfacing Precast Concrete Curbs and Gutters Precast Concrete Curbs August Concrete
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 13 32 14 20 32 14 20 32 14 20 32 14 40 32 14 40 32 15 10 32 15 10 32 15 10 32 16 13 32 16 13	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Paving Precast Concrete Surfacing Precast Concrete Surfacing Crushed Stone Surfacing Precast Concrete Curbs and Gutters Precast Concrete Curbs August Concrete
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 13 32 14 20 32 14 20 32 14 20 32 14 40 32 14 40 32 15 13 32 15 50 32 16 13 32 16 13 32 16 13	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Unit Paving Precast Unit Paving Precast Concrete Paving Precast Concrete Unit Paving Precast Unit Paving
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 13 32 14 16 32 14 26 32 14 26 32 14 46 32 15 13 32 15 13 32 15 13 32 16 13 32 16 13 32 16 13 32 16 13 32 16 13	Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving Stone Paving Porous Unit Paving Aggregate Surfacing Cinder Surfacing Crushed Stone Surfacing Aggregate-Turf Pavement Curbs, Gutters, Sidewalks, and Driveways Curbs and Gutters Cast-In-Place Concrete Curbs and Gutters Steel Faced Curbs Precast Concrete Curbs and Gutters Asphalt Curbs
32 13 73 32 14 00 32 14 13 32 14 13 32 14 13 32 14 13 32 14 13 32 14 16 32 14 26 32 14 26 32 14 46 32 15 13 32 15 13 32 15 16 32 16 13 32 16 13 32 16 13	Compression Concrete Paving Joint Sealants Unit Paving Precast Concrete Unit Paving Interlocking Precast Concrete Unit Paving Precast Concrete Unit Paving Slabs Porous Precast Concrete Unit Paving Brick Unit Paving Asphalt Unit Paving Wood Paving Recycled-Rubber Paving Stone Paving Porous Unit Paving Aggregate Surfacing Cinder Surfacing Crushed Stone Surfacing Aggregate-Turf Pavement Curbs, Gutters, Sidewalks, and Driveways Curbs and Gutters Steel Faced Curbs Precast Concrete Curbs and Gutters Asphalt Curbs Stone Curbs

32 16 33  32 17 00  32 17 13.13  32 17 13.16  32 17 13.19  32 17 13.23  32 17 13.26  32 17 16  32 17 23  32 17 23.13  32 17 23.23  32 17 23.23  32 17 243  32 17 29  32 17 43  32 18 16  32 18 16  32 18 16  32 18 23  32 18 23.13  32 18 23.13  32 18 23.16  23 18 23.16	Paving Specialties Parking Bumpers Metal Parking Bumpers Plastic Parking Bumpers Precast Concrete Parking Bumpers Rubber Parking Bumpers Wood Parking Bumpers Wood Parking Bumpers Speed Bumps Pavement Markings Painted Pavement Markings Raised Pavement Markings Plastic Pavement Markings Tactile Warning Surfacing Pavement Embedded Warning Lights Pavement Snow Melting Systems  Athletic and Recreational Surfacing Synthetic Grass Surfacing Synthetic Resilient Surfacing Playground Protective Surfacing Athletic Surfacing Baseball Field Surfacing Natural Baseball Field Surfacing
32 18 23.19 32 18 23.23 32 18 23.26 32 18 23.29 32 18 23.33 32 18 23.36 32 18 23.39 32 18 23.43 32 18 23.53 32 18 23.53 32 18 23.56 32 18 23.59	Synthetic Baseball Field Surfacing Field Sport Surfacing Natural Field Sport Surfacing Synthetic Field Sport Surfacing Running Track Surfacing Natural Running Track Surfacing Synthetic Running Track Surfacing Recreational Court Surfacing Tennis Court Surfacing Natural Tennis Court Surfacing
32 30 00	Synthetic Tennis Court Surfacing  Site Improvements
32 31 00  32 31 13  32 31 13.23  32 31 13.26  32 31 13.29  32 31 13.53  32 31 16  32 31 17  32 31 19  32 31 23  32 31 26  32 31 26.11  32 31 29  32 31 32	Fences and Gates Gate Operators Chain Link Fences and Gates Recreational Court Fences and Gates Tennis Court Fences and Gates Tennis Court Wind Breaker Chain Link Backstops High-Security Chain Link Fences and Gates Welded Wire Fences and Gates Expanded Metal Fences and Gates Decorative Metal Fences and Gates Plastic Fences and Gates Wire Fences and Gates Wire Fences with Wood Posts Wire Fences with Steel Posts Wood Fences and Gates Composite Fences and Gates

32 31 53	Cattle Guards
32 31 56	Wild Life Deterrent Fence
32 32 00	Retaining Walls
32 32 13	Cast-in-Place Concrete Retaining Walls
32 32 16	Precast Concrete Retaining Walls
32 32 19	Unit Masonry Retaining Walls
32 32 23	Segmental Retaining Walls
32 32 23.13	Segmental Concrete Unit Masonry Retaining Walls
32 32 23.16 32 32 26	Manufactured Modular Walls
32 32 20	Metal Crib Retaining Walls Timber Retaining Walls
32 32 34	Reinforced Soil Retaining Walls
32 32 36	Gabion Retaining Walls
32 32 43	Soldier-Beam Retaining Walls
32 32 53	Stone Retaining Walls
32 33 00	Site Furnishings
32 33 13	Site Bicycle Racks
32 33 14	Site Bicycle Lockers
32 33 23	Site Trash and Litter Receptacles
32 33 33	Site Manufactured Planters
32 33 43	Site Seating and Tables
32 33 43.13	Site Seating
32 33 43.53	Site Tables
32 34 00	Fabricated Bridges
32 34 13	Fabricated Pedestrian Bridges
32 34 23	Fabricated Roadway Bridges
32 34 33	Fabricated Railway Bridges
32 35 00	Screening Devices
32 35 13	Screens and Louvers
32 35 16	Sound Barriers
32 35 23	Fire Barriers
32 35 26	Blast Barriers
32 39 00	Manufactured Site Specialties
32 39 13	Manufactured Metal Bollards
32 39 33	Artificial Rock Fabrications
32 70 00	Wetlands
32 71 00	Constructed Wetlands
32 72 00	Wetlands Restoration
32 80 00	Irrigation
	Irrigation
32 81 00	Irrigation Components
32 81 13	Irrigation Intake Screens
32 82 00	Irrigation Pumps
32 84 00	Planting Irrigation
32 84 13	Drip Irrigation
32 84 23	Underground Sprinklers
32 86 00	Agricultural Irrigation

32 90 00	Planting
32 91 00	Planting Preparation
32 91 13	Soil Preparation
32 91 13.13	Hydro-Punching
32 91 13.16	Mulching
32 91 13.19	Planting Soil Mixing
32 91 13.23	Structural Soil Mixing
32 91 13.26	Planting Beds
32 91 16	Planting Soil Stabilization
32 91 16.13	Blanket Planting Soil Stabilization
32 91 16.16	Mat Planting Soil Stabilization
32 91 16.19	Netting Planting Soil Stabilization
32 91 19 32 91 19.13	Landscape Grading Topsoil Placement and Grading
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32 92 00	Turf and Grasses
32 92 13	Hydro-Mulching
32 92 16	Plugging
32 92 19	Seeding
32 92 19.13	Mechanical Seeding
32 92 19.16	Hydraulic Seeding
32 92 23	Sodding
32 92 26	Sprigging States in a second s
32 92 26.13	Stolonizing
32 93 00	Plants
32 93 13	Ground Covers
32 93 23	Plants and Bulbs
32 93 33	Shrubs
32 93 43	Trees
32 93 93	Exterior Artificial Plants
32 94 00	Planting Accessories
32 94 13	Landscape Edging
32 94 16	Landscape Timbers
32 94 19	Landscape Surfacing
32 94 33	Planters
32 94 43	Tree Grates
32 94 46	Tree Grids
32 95 00	<b>Exterior Planting Support Structures</b>
32 96 00	
	Transplanting Ground Cover Transplanting
32 96 13	Ground Cover Transplanting
32 96 23	Plant and Bulb Transplanting
32 96 33	Shrub Transplanting
32 96 43	Tree Transplanting

# 33 00 00 Utilities 33 01 00 Operation and Maintenance of Utilities Operation and Maintenance of Water Utilities

33 01 10.71 Water Utility Storage Tank Rehabilitation
33 01 20 Operation and Maintenance of Wells

33 01 30 Operation and Maintenance of Sewer Utilities

33 01 30.13 Sewer and Manhole Testing
33 01 30.16 TV Inspection of Sewer Pipelines

33 01 30.41 Cleaning of Sewers 33 01 30.42 Cleaning of Manholes

33 01 30.51 Maintenance of Sewer Utilities
33 01 30.52 Pond and Reservoir Maintenance
33 01 30.61 Sewer and Pipe Joint Sealing

33 01 30.62 Manhole Grout Sealing

33 01 30.71 Rehabilitation of Sewer Utilities

33 01 30.72 Relining Sewers

33 01 50 Operation and Maintenance of Fuel Distribution Lines

33 01 50.51 Cleaning Fuel-Storage Tanks 33 01 50.71 Lining of Steel Fuel-Storage Tanks

33 01 60 Operation and Maintenance of Hydronic and Steam Energy Utilities

33 01 70 Operation and Maintenance of Electrical Utilities

33 01 80 Operation and Maintenance of Communications Utilities

### 33 05 00 Common Work Results for Utilities

33 05 05 Selective Demolition for Utilities 33 05 13 Manholes and Structures

33 05 13.13 Manhole Grade Adjustment

33 05 16 Utility Structures

33 05 16.13 Precast Concrete Utility Structures 33 05 16.53 Rebuilding Utility Structures

33 05 19 Pressure Piping Tied Joint Restraint System

33 05 23 Trenchless Utility Installation
33 05 23.13 Utility Horizontal Directional Drilling

33 05 23.16 Utility Pipe Jacking
33 05 23.19 Microtunneling
33 05 23.23 Utility Pipe Ramming
33 05 23.26 Utility Impact Moling

33 05 23.29 Cable Trenching and Plowing

33 05 26 Utility Identification
33 05 26.13 Utility Identification Signs
33 05 26.16 Utility Identification Markers
33 05 26.19 Utility Identification Flags
33 05 26.23 Utility Identification Trace Wires

## 33 06 00 Schedules for Utilities

33 06 10 Schedules for Water Utilities

33 06 20 Schedules for Wells

33 06 30 Schedules for Sanitary Sewerage Utilities 33 06 40 Schedules for Storm Drainage Utilities

33 06 40.13 Storm Drainage Schedule

33 06 50 Schedules for Fuel Distribution Utilities

33 06 60 Schedules for Hydronic and Steam Energy Utilities

33 06 70 Schedules for Electrical Utilities
33 06 80 Schedules for Communications Utilities

33 08 00	Commissioning of Utilities
33 08 10	Commissioning of Water Utilities
33 08 20	Commissioning of Wells
33 08 30	Commissioning of Sanitary Sewerage Utilities
33 08 40	Commissioning of Storm Drainage Utilities
33 08 50	Commissioning of Fuel Distribution Utilities
33 08 60	Commissioning of Hydronic and Steam Energy Utilities
33 08 70	Commissioning of Electrical Utilities
33 08 80	Commissioning of Communications Utilities
33 09 00	Instrumentation and Control for Utilities
33 09 10	Instrumentation and Control for Water Utilities
33 09 20	Instrumentation and Control for Wells
33 09 30	Instrumentation and Control for Sanitary Sewerage Utilities
33 09 40	Instrumentation and Control for Storm Drainage Utilities
33 09 50	Instrumentation and Control for Fuel Distribution Utilities
33 09 60	Instrumentation and Control for Hydronic and Steam Energy Utilities
33 09 70	Instrumentation and Control for Electrical Utilities
33 09 80	Instrumentation and Control for Communications Utilities
33 10 00	Water Utilities
33 11 00	Water Utility Distribution Piping
33 11 13	Public Water Utility Distribution Piping
33 11 13.13	Ductile Iron Public Water Utility Distribution Piping
33 11 13.16	Cast Iron Public Water Utility Distribution Piping
33 11 13.23 33 11 13.26	Plastic Public Water Utility Distribution Piping Galvanized Steel Public Water Utility Distribution Piping
33 11 13.33	Concrete Public Water Utility Distribution Piping
33 11 16	Site Water Utility Distribution Piping
33 11 19	Fire Suppression Utility Water Distribution Piping
33 12 00	Water Utility Distribution Equipment
33 12 13	Water Service Connections
33 12 13.13	Water Supply Backflow Preventer Assemblies
33 12 16	Water Utility Distribution Valves
33 12 19	Water Utility Distribution Fire Hydrants
33 12 23	Water Utility Pumping Stations
33 12 33	Water Utility Metering
33 13 00	Disinfecting of Water Utility Distribution
33 16 00	Water Utility Storage Tanks
33 16 13 33 16 13.13	Aboveground Water Utility Storage Tanks Steel Aboveground Water Utility Storage Tanks
33 16 13.16	Prestressed Concrete Aboveground Water Utility Storage Tanks
33 16 13.19	Plastic Aboveground Water Utility Storage Tanks
33 16 16	Underground Water Utility Storage Tanks
33 16 19	Elevated Water Utility Storage Tanks
33 20 00	Wells
33 21 00	
	Water Supply Wells
33 21 13	Public Water Supply Wells
33 21 16	Irrigation Water Wells
33 22 00	Test Wells

33 23 00	Extraction Wells
33 24 00	Monitoring Wells
33 24 13	Groundwater Monitoring Wells
33 25 00	Recharge Wells
	Relief Wells
33 26 00	
33 29 00	Well Abandonment
33 30 00	Sanitary Sewerage Utilities
33 31 00	Sanitary Utility Sewerage Piping
33 31 13	Public Sanitary Utility Sewerage Piping
33 31 16	Industrial Waste Utility Sewerage Piping
33 32 00	Wastewater Utility Pumping Stations
33 32 13	Packaged Utility Lift Stations
33 32 13.13	Packaged Sewage Lift Stations, Wet Well Type
33 32 16	Packaged Utility Wastewater Pumping Stations
33 32 16.13	Packaged Sewage Grinder Pumping Units
33 32 19	Public Utility Wastewater Pumping Stations
33 33 00	Low Pressure Utility Sewerage
33 33 13	Sanitary Utility Sewerage
33 33 16	Combined Utility Sewerage
33 34 00	Sanitary Utility Sewerage Force Mains
33 34 13	Sanitary Utility Sewerage Inverted Siphons
33 36 00	Utility Septic Tanks
33 36 13	Utility Septic Tank and Effluent Wet Wells
33 36 13.13	Concrete Utility Septic Tank
33 36 13.16	Fiberglass Utility Septic Tank
33 36 13.19 33 36 16	Polyethylene Utility Septic Tank Utility Septic Tank Effluent Pumps
33 36 16.13	Utility Septic Tank Lindent Tumps Utility Septic Tank High-Head Effluent Pump
33 36 16.16	Utility Septic Tank Effluent Pump Package
33 36 19	Utility Septic Tank Effluent Filter
33 36 19.13	Utility Septic Tank Effluent Tube Filter
33 36 19.16	Utility Septic Tank Effluent Textile Media Filter
33 36 33	Utility Septic Tank Drainage Field
33 36 33.13 33 36 33.16	Utility Septic Tank Tile Drainage Field Utility Septic Tank Shallow Pressurized Dispersal System
33 37 00	Overflow Control
33 37 13	Bending Weirs
33 37 16	Spring-loaded Weirs
33 37 23	Flow Regulators
33 37 33	Swirl Concentrators
33 37 43	Netting Systems
33 37 46	End-of-Pipe In-water Storage Systems
33 38 00	Treatment Lagoons
33 38 13	Municipal Wastewater Treatment Lagoons
33 38 16	Industrial Waste Lagoons
33 38 23	Agricultural Waste Lagoons
33 38 26	Residential Sewerage Lagoons
33 39 00	Sanitary Utility Sewerage Structures

33 39 13 33 39 23	Sanitary Utility Sewerage Manholes, Frames, and Covers
33 40 00	Sanitary Utility Sewerage Cleanouts  Storm Drainage Litilities
	Storm Drainage Utilities
33 41 00	Storm Utility Drainage Piping
33 41 13	Public Storm Utility Drainage Piping
33 42 00	Culverts
33 42 13	Pipe Culverts
33 42 13.13	Public Pipe Culverts
33 42 16	Concrete Culverts
33 42 16.13	Precast Concrete Culverts
33 42 16.16	Cast-in-Place Concrete Culverts
33 44 00	Storm Utility Water Drains
33 44 13	Utility Area Drains
33 44 13.13	Catchbasins
33 44 16	Utility Trench Drains
33 44 19	Utility Storm Water Treatment
33 44 19.13	In-Line Utility Storm Water Filters
33 44 19.16	Catch Basin Insert Utility Storm Water Filters
33 44 19.19	Utility Oil and Gas Separators
33 45 00	Storm Utility Drainage Pumps
33 46 00	Subdrainage
33 46 13	Foundation Drainage
33 46 13.13	Foundation Drainage Piping
33 46 13.16	Geocomposite Foundation Drainage
33 46 16	Subdrainage Piping
33 46 16.13	Subdrainage Piping
33 46 16.16 33 46 16.19	Geocomposite Subdrainage Pipe Underdrains
33 46 19	Underslab Drainage
33 46 19.13	Underslab Drainage Piping
33 46 19.16	Geocomposite Underslab Drainage
33 46 23	Drainage Layers
33 46 23.16	Gravel Drainage Layers
33 46 23.19	Geosynthetic Drainage Layers
33 46 26	Geotextile Subsurface Drainage Filtration
33 46 33	Retaining Wall Drainage
33 47 00	Ponds and Reservoirs
33 47 13	Pond and Reservoir Liners
33 47 13.13	Pond Liners
33 47 13.53	Reservoir Liners
33 47 16	Pond and Reservoir Covers
33 47 16.13	Pond Covers
33 47 16.53	Reservoir Covers
33 47 19 33 47 19.13	Water Ponds and Reservoirs Water Distribution Ponds
33 47 19.15	Water Retainage Reservoirs
33 47 19.10	Cooling Water Ponds
33 47 19.33	Fire-Protection Water Ponds
33 47 26	Storm Drainage Ponds and Reservoirs
33 47 26.13	Stabilization Ponds
33 47 26.16	Retention Basins

	33 47 26.19	Leaching Pits
33	49 00	Storm Drainage Structures
	33 49 13	Storm Drainage Manholes, Frames, and Covers
	33 49 22	Storm Drainage Water Detention Structures
	33 49 23	Storm Drainage Water Retention Structures
	33 49 23.13	Underground Storm Drainage Water Retention Tanks
	33 49 24	Storm Drainage Water Storage Structures
33	<b>50 00</b>	Fuel Distribution Utilities
33	51 00	Natural-Gas Distribution
	33 51 13	Natural-Gas Piping
	33 51 33	Natural-Gas Metering
33	52 00	Liquid Fuel Distribution
	33 52 13	Fuel-Oil Distribution
	33 52 13.13	Fuel-Oil Piping
	33 52 13.23	Fuel-Oil Pumps
	33 52 16	Gasoline Distribution
	33 52 16.13	Gasoline Piping
	33 52 16.23 33 52 19	Gasoline Pumps Diesel Fuel Distribution
	33 52 19.13	Diesel Fuel Piping
	33 52 19.23	Diesel Fuel Pumps
	33 52 43	Aviation Fuel Distribution
	33 52 43.13	Aviation Fuel Piping
	33 52 43.16	Aviation Fuel Connections
	33 52 43.19	Aviation Fuel Grounding
22	33 52 43.23 <b>E6 00</b>	Aviation Fuel Pumps
33	56 00	Fuel-Storage Tanks
	33 56 13	Aboveground Fuel Storage Tanks
	33 56 16 33 56 43	Underground Fuel-Storage Tanks Aviation Fuel-Storage Tanks
	33 56 43.13	Aboveground Aviation Fuel-Storage Tanks
	33 56 43.16	Underground Aviation Fuel-Storage Tanks
	33 56 53	Compressed Gases Storage Tanks
33	60 00	<b>Hydronic and Steam Energy Utilities</b>
	61 00	Hydronic Energy Distribution
55	33 61 13	Underground Hydronic Energy Distribution
	33 61 23	Aboveground Hydronic Energy Distribution
	33 61 33	Hydronic Energy Distribution Metering
33 (	63 00	Steam Energy Distribution
	33 63 13	Underground Steam and Condensate Distribution Piping
	33 63 23	Aboveground Steam and Condensate Distribution Piping
	33 63 33	Steam Energy Distribution Metering
33	70 00	Electrical Utilities
<b>3</b> 3	71 00	Electrical Utility Transmission and Distribution
	33 71 13 33 71 13.13	Electrical Utility Towers  Procest Concrete Electrical Utility Towers
	33 71 13.13	Precast Concrete Electrical Utility Towers Steel Electrical Utility Towers
	33 71 13.33	Wood Electrical Utility Towers

33 71 16	Electrical Utility Poles
33 71 16.13	Precast Concrete Electrical Utility Poles
33 71 16.23	Steel Electrical Utility Poles
33 71 16.33	Wood Electrical Utility Poles
33 71 19	Electrical Underground Ducts and Manholes
33 71 19.13	Electrical Manholes and Handholes
33 71 23	Insulators and Fittings
33 71 23.13	Suspension Insulators
33 71 23.16	Post Insulators
33 71 23.23	Potheads
33 71 26	Transmission and Distribution Equipment
33 71 26.13	Capacitor Banks
33 71 26.16	Coupling Capacitors
33 71 26.23	Current Transformers
33 71 26.26	Potential Transformers
33 71 36	Extra-High-Voltage Wiring
33 71 36.13	Overhead Extra-High-Voltage Wiring
33 71 39	High-Voltage Wiring
33 71 39.13	Overhead High-Voltage Wiring
33 71 39.23	Underground High-Voltage Wiring
33 71 39.33	Underwater High-Voltage Wiring
33 71 49	Medium-Voltage Wiring
33 71 49.13	Overhead Medium-Voltage Wiring
33 71 49.23	Underground Medium-Voltage Wiring
33 71 49.33	Underwater Medium-Voltage Wiring
33 71 53	Direct-Current Transmission
33 71 73	Electrical Utility Services
33 71 73.33	Electric Meters
33 71 83	Transmission and Distribution Specialties
33 72 00	Utility Substations
.3.3 / Z UU	UHHIV ƏHDSIAHOHS
33 72 13	Deadend Structures
33 72 13 33 72 23	Deadend Structures Structural Bus Supports
33 72 13 33 72 23 33 72 23.13	Deadend Structures Structural Bus Supports Bus Support Insulators
33 72 13 33 72 23 33 72 23.13 33 72 26	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33 33 72 33.13	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33 33 72 33.13 33 72 33.16	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33 33 72 33.13 33 72 33.16 33 72 33.23	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.23	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.23 33 72 33.26 33 72 33.33	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.33 33 72 33.33	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.33 33 72 33.36 33 72 33.43	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.23 33 72 33.36 33 72 33.36 33 72 33.43 33 72 33.46	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 36.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.33 33 72 33.36 33 72 33.46 33 72 33.46 33 72 43	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.33 33 72 33.36 33 72 33.43 33 72 33.43 33 72 33.43	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring Utility Transformers
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 33.13 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.36 33 72 33.43 33 72 33.43 33 72 33.43 33 72 43 33 73 13	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring Utility Transformers Liquid-Filled Utility Transformers
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.33 33 72 33.36 33 72 33.43 33 72 33.43 33 72 33.43	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring Utility Transformers Liquid-Filled Utility Transformers Dry-Type Utility Transformers
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.26 33 72 33.33 33 72 33.46 33 72 33.46 33 72 43 33 72 33.46 33 72 33.46	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring Utility Transformers Liquid-Filled Utility Transformers Dry-Type Utility Transformers
33 72 13 33 72 23 33 72 23.13 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.33 33 72 33.36 33 72 33.43 33 72 33.46 33 73 00	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring Utility Transformers Liquid-Filled Utility Transformers Dry-Type Utility Transformers High-Voltage Switchgear and Protection Devices
33 72 13 33 72 23 33 72 23.13 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.36 33 72 33.43 33 72 33.43 33 72 43  33 73 00 33 73 13 33 75 00 33 75 13	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring Utility Transformers Liquid-Filled Utility Transformers Dry-Type Utility Transformers High-Voltage Switchgear and Protection Devices Air High-Voltage Circuit Breaker
33 72 13 33 72 23 33 72 23.13 33 72 26 33 72 26.13 33 72 36.16 33 72 33.13 33 72 33.23 33 72 33.26 33 72 33.26 33 72 33.36 33 72 33.43 33 72 33.46 33 72 43  33 73 00 33 73 13 33 73 00 33 75 13 33 75 16	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring Utility Transformers Liquid-Filled Utility Transformers Dry-Type Utility Transformers High-Voltage Switchgear and Protection Devices Air High-Voltage Circuit Breaker Oil High-Voltage Circuit Breaker
33 72 13 33 72 23 33 72 23.13 33 72 26.13 33 72 26.16 33 72 33.13 33 72 33.16 33 72 33.23 33 72 33.26 33 72 33.36 33 72 33.43 33 72 33.43 33 72 43  33 73 00 33 73 13 33 75 00 33 75 13	Deadend Structures Structural Bus Supports Bus Support Insulators Substation Bus Assemblies Aluminum Substation Bus Assemblies Copper Substation Bus Assemblies Control House Equipment Relays Substation Control Panels Power-Line Carriers Substation Metering Raceway and Boxes for Utility Substations Cable Trays for Utility Substations Substation Backup Batteries Substation Converter Stations Substation Control Wiring Utility Transformers Liquid-Filled Utility Transformers Dry-Type Utility Transformers High-Voltage Switchgear and Protection Devices Air High-Voltage Circuit Breaker

	33 75 23	Vacuum High-Voltage Circuit Breaker
	33 75 36	High-Voltage Utility Fuses
	33 75 39	High-Voltage Surge Arresters
	33 75 43	Shunt Reactors
33.	77 00	Medium-Voltage Utility Switchgear and Protection
<b>J</b> J	11 00	
		Devices
	33 77 13	Air Medium-Voltage Circuit Breaker
	33 77 16	Oil Medium-Voltage Circuit Breaker
	33 77 19	Gas Medium-Voltage Circuit Breaker
	33 77 23	Vacuum Medium-Voltage Circuit Breaker
	33 77 26	Medium-Voltage Utility Fusible Interrupter Switchgear
	33 77 33	Medium-Voltage Utility Cutouts
	33 77 36	Medium-Voltage Utility Fuses
	33 77 39	Medium-Voltage Utility Surge Arresters
	33 77 53	Medium-Voltage Utility Reclosers
22.	79 00	
33		Site Grounding
	33 79 13	Site Improvements Grounding
	33 79 13.13	Electric Fence Grounding
	33 79 16	Tower Grounding
	33 79 16.13	Communications Tower Grounding
	33 79 16.16	Antenna Tower Grounding
	33 79 19	Utilities Grounding
	33 79 19.13	Electrical Utilities Grounding
	33 79 19.16	Communications Utilities Grounding
	33 79 23	Utility Substation Grounding
	33 79 83	Site Grounding Conductors
	33 79 83.13	Grounding Wire, Bar, and Rod
	33 79 83.16 33 79 83.23	Chemical Rod Conductive Concrete
	33 79 83.33	Earth Grounding Enhancement
	33 79 83.43	Deep Earth Grounding
	33 79 93	Site Lightning Protection
	33 79 93.13	Lightning Strike Counters
	33 79 93.16	Lightning Strike Warning Devices
22		
33	80 00	Communications Utilities
33 8	81 00	Communications Structures
	33 81 13	Communications Transmission Towers
	33 81 16	Antenna Towers
	33 81 19	Communications Utility Poles
	33 81 23	Aerial Cable Installation Hardware
	33 81 26	Communications Underground Ducts, Manholes, and Handholes
	33 81 29	Communications Vaults, Pedestals, and Enclosures
	33 81 33	Communications Blowers, Fans, and Ventilation
22		·
33	82 00	Communications Distribution
	33 82 13	Copper Communications Distribution Cabling
	33 82 13.13	Copper Splicing and Terminations
	33 82 23	Optical Fiber Communications Distribution Cabling
	33 82 23.13	Optical Fiber Splicing and Terminations
	33 82 33	Coaxial Communications Distribution Cabling
	33 82 33.13	Coaxial Splicing and Terminations

33 82 43	Grounding and Bonding for Communications Distribution
33 82 46	Cable Pressurization Equipment
33 82 53	Cleaning, Lubrication, and Restoration Chemicals
33 83 00	Wireless Communications Distribution
33 83 13	Laser Transmitters and Receivers
33 83 16	Microwave Transmitters and Receivers
33 83 19	Infrared Transmitters and Receivers
33 83 23	UHF/VHF Transmitters and Antennas

34 00 00	Transportation
34 01 00	Operation and Maintenance of Transportation
34 01 13	Operation and Maintenance of Roadways
34 01 23	Operation and Maintenance of Railways
34 01 23.13	Track Removal and Salvage
34 01 23.81	Track Crosstie Replacement
34 01 33	Operation and Maintenance of Airfields
34 01 43	Operation and Maintenance of Bridges
34 05 00	Common Work Results for Transportation
34 05 05	Selective Demolition for Transportation
34 05 13	Common Work Results for Roadways
34 05 23	Common Work Results for Railways
34 05 33	Common Work Results for Airports
34 05 43	Common Work Results for Bridges
34 06 00	Schedules for Transportation
34 06 13	Schedules for Roadways
34 06 23	Schedules for Railways
34 06 33	Schedules for Airfields
34 06 43	Schedules for Bridges
34 08 00	Commissioning of Transportation
34 08 13	Commissioning of Roadways
34 08 23	Commissioning of Railways
34 08 33	Commissioning of Airfields
34 08 43	Commissioning of Bridges
34 10 00	Guideways/Railways
34 11 00	Rail Tracks
34 11 13	Track Rails
34 11 13.13	Light Rail Track
34 11 13.23	Heavy Rail Track
34 11 16	Welded Track Rails
34 11 16.13	In-Track Butt-Welded Track Rail
34 11 16.16 34 11 16.19	Pressure-Welded Track Rail Thermite-Welded Track Rail
34 11 19	Track Rail Joints
34 11 23	Special Trackwork
34 11 23.13	Ballasted Special Track Rail
34 11 23.16	Direct-Fixation Track
34 11 23.23	Running Rail
34 11 23.26	Precurved Running Rail
34 11 26	Ballasted Track Rail
34 11 26.13 34 11 26.16	Track Rail Ballast Track Rail Subballast
34 11 29	Embedded Track Rail
34 11 33	Track Cross Ties
34 11 33.13	Concrete Track Cross Ties
34 11 33.16	Timber Track Cross Ties
34 11 33.19	Resilient Track Cross Ties
34 11 36	
34 11 36.13	Track Rail Fasteners Direct-Fixation Fasteners

	34 11 39 34 11 39.13	Track Collector Pans Fiberglass Track Collector Pans
	34 11 93	Track Appurtenances and Accessories
34	12 00	Monorails
	34 12 13	Elevated Monorails
	34 12 16	On-Grade Monorails
	34 12 19	Below-Grade Monorails
	34 12 23	Maglev Monorail
	34 12 63	Monorail Track
34	13 00	Funiculars
	34 13 13	Inclined Railway
34	14 00	Cable Transportation
•	34 14 13	Aerial Tramways
	34 14 19	Gondolas
	34 14 26	Funitels
	34 14 33	Chairlifts
	34 14 39	Surface Lifts
	34 14 46	Ropeway Tows
	34 14 53	Cable Car Systems
34	20 00	Traction Power
	21 00	Traction Power Distribution
34	34 21 13	
	34 21 13	High Power Static Frequency Converters Traction Power Substations
	34 21 16.13	AC Traction Power Substations
	34 21 16.16	DC Traction Power Substations
	34 21 19	Traction Power Switchgear
	34 21 19.13	AC Traction Power Switchgear
	34 21 19.16	DC Traction Power Switchgear
	34 21 19.23	Frequency Changer
	34 21 23	Traction Power Transformer-Rectifier Units
34	23 00	Overhead Traction Power
	34 23 13	Traction Power Poles
	34 23 16	Overhead Cable Suspension
	34 23 23	Overhead Traction Power Cables
34	24 00	Third Rail Traction Power
	34 24 13	Bottom-Contact Third Rail
	34 24 16	Side-Contact Third Rail
	34 24 19	Top-Contact Third Rail
34	40 00	Transportation Signaling and Control
		Equipment
21	41 00	• •
34		Roadway Signaling and Control Equipment
	34 41 13 34 41 16	Traffic Signals Traffic Control Equipment
	34 41 16	Traffic Control Equipment Roadway Monitoring Equipment
	34 41 23	In Roadway Warning Lights
21		
<b>34</b>	42 00	Railway Signaling and Control Equipment
	34 42 13	Railway Signals

	34 42 13.13	General Railway Signal Requirements
	34 42 13.16	Signal Solid State Coded Track Circuits
	34 42 16	Train Control Wires and Cables
	34 42 19	Vital Interlocking Logic Controllers
	34 42 23	Railway Control Equipment
	34 42 23.13	Mainline Train Control Room Equipment
	34 42 23.16	Yard Train Control Room Equipment
	34 42 23.19	Integrated Control Equipment
	34 42 23.23	Interlocking Railway Control Equipment
	34 42 26	Rail Network Equipment
	34 42 29	Station Agent Equipment
	34 42 33	Yard Management Equipment
	34 42 36	Supervisory Control and Data Acquisition
34	43 00	Airfield Signaling and Control Equipment
	34 43 13	Airfield Signals and Lighting
	34 43 13.09	Airport Rotating Beacons
	34 43 13.10	Hazard Beacons
	34 43 13.11	Airport Beacon Towers
	34 43 13.12	Airport Obstruction Lights
	34 43 13.13	Airfield Runway Identification Lights
	34 43 13.16	Airfield Runway and Taxiway Inset Lighting
	34 43 13.19	Adhesive for Inset Lighting & Wiring
	34 43 13.23	Airfield Short-Approach Lighting Equipment
	34 43 13.26	Airfield Omni-Directional-Approach Lighting Equipment
	34 43 13.29	Airfield Low-Intensity-Approach Lighting Equipment
	34 43 13.33	Airfield High-Intensity-Approach Lighting Equipment
	34 43 13.36	Airfield Precision-Approach Path Indicator Equipment
	34 43 16	Airfield Landing Equipment
	34 43 16.13	Microwave Airfield Landing Equipment
	34 43 16.16 34 43 16.19	Instrument Airfield Landing Equipment Airfield Visual Approach Slope Indicator Equipment
	34 43 16.19	Airfield Visual-Approach Slope Indicator Equipment
	34 43 19	Airfield Traffic Control Tower Equipment
	34 43 23.13	Weather Observation Equipment
	34 43 23.13	Automatic Weather Observation Equipment Airfield Wind Cones
	34 43 26	Airfield Wind Colles Airfield Control Equipment
	34 43 26.13	Airfield Lighting Control Equipment
	34 43 26.16	Airfield Lighting PLC Control Equipment
	34 43 26.19	Airfield Lighting Regulator Assembly
34	48 00	Bridge Signaling and Control Equipment
<b>J</b> +		
	34 48 13	Operating Bridge Signals
	34 48 16	Operating Bridge Control Equipment
34	· 50 00	Transportation Fare Collection Equipment
34	52 00	Vehicle Fare Collection
JŦ		
	34 52 16	Vehicle Ticketing Equipment
	34 52 16.13	Vehicle Ticket Vending Machines
	34 52 26 34 52 26.13	Vehicle Fare Collection Equipment
	34 52 26.13 34 52 26.16	Vehicle Coin Fare Collection Equipment Vehicle Electronic Fare Collection Equipment
	34 52 33	Vehicle Fare Gates
24		
<b>54</b>	54 00	Passenger Fare Collection
	34 54 16	Passenger Ticketing Equipment

	34 54 16.13 34 54 16.16 34 54 16.23 34 54 26 34 54 26.13 34 54 26.16 34 54 33	Passenger Ticket Vending Machines Passenger Addfare Machines Passenger Intermodal Transfer Machines Passenger Fare Collection Equipment Passenger Coin Fare Collection Equipment Passenger Electronic Fare Collection Equipment Passenger Fare Gates
34	70 00	<b>Transportation Construction and</b>
		Equipment
34	71 00	Roadway Construction
	34 71 13	Vehicle Barriers
	34 71 13.13	Vehicle Median Barriers
	34 71 13.16 34 71 13.19	Vehicle Crash Barriers Vehicle Traffic Barriers
	34 71 13.19	Vehicle Guide Rails
	34 71 13.29	Vehicle Barrier Fenders
	34 71 16	Impact Attenuating Devices
	34 71 19	Vehicle Delineators
	34 71 19.13	
24	34 71 19.16	Flexible Vehicle Delineators
34	72 00	Railway Construction
	34 72 13	Railway Line
24	34 72 16 <b>72 00</b>	Railway Siding
34	73 00	Airfield Construction
	34 73 13	Aircraft Tiedowns
	34 73 16 34 73 16.13	Airfield Grounding Aircraft Static Grounding
	34 73 10:13	Jet Blast Barriers
	34 73 23	Manufactured Airfield Control Towers
	34 73 26	Manufactured Helipads
34	75 00	Roadway Equipment
_	34 75 13	Operable Roadway Equipment
	34 75 13.13	Active Vehicle Barriers
34	76 00	Railway Equipment
	34 76 13	Roadway Crossing Control Equipment
34	77 00	Transportation Equipment
	34 77 13	Passenger Boarding Bridges
	34 77 13.13	Fixed Aircraft Passenger Boarding Bridges
	34 77 13.16	Movable Aircraft Passenger Boarding Bridges
	34 77 13.23	Ship Passenger Boarding Bridges
	34 77 33 34 77 36	Baggage Scanning Equipment
	34 77 36 34 77 39	Baggage Scales Baggage Conveying Equipment
21		
<b>J</b> 4	<b>78 00</b>	Weighing Equipment
	34 78 13 34 78 16	Truck Scales
	34 78 16	Weighbridges Railroad Car Scales
	34 78 33	Crane Scales
	J U UU	

34 80 00	Bridges
34 81 00	Bridge Machinery
34 81 13	Single-Swing Bridge Machinery
34 81 16	Double-Swing Bridge Machinery
34 81 19	Cantilever Bridge Machinery
34 81 23	Lift Bridge Machinery
34 81 26	Sliding Bridge Machinery
34 81 29	Pontoon Bridge Machinery
34 81 32	Bascule Bridge Machinery
34 82 00	Bridge Specialties
34 82 13	Bridge Vibration Dampers
34 82 13.13	Visco Elastic Bridge Vibration Dampers
34 82 13.16	Tuned-Mass Bridge Vibration Dampers
34 82 19	Bridge Pier Protection
34 82 19.13	Bridge Pier Ice Shields

<b>35 00 00</b> 35 01 00	Waterway and Marine Construction Operation and Maintenance of Waterway and Marine
05.04.00	Construction
35 01 30 35 01 40	Operation and Maintenance of Coastal Construction Operation and Maintenance of Waterway Construction
35 01 40.51	Waterway Dredging
35 01 40.92	Preservation of Water Courses
35 01 50	Operation and Maintenance of Marine Construction
35 01 50.51 35 01 50.71	Marine Dredging Channel Excavation, Cleaning and Deepening
35 01 70	Operation and Maintenance of Dams
35 05 00	Common Work Results for Waterway and Marine
	Construction
35 05 05	Selective Demolition for Waterway and Marine Construction
35 05 30	Common Work Results for Coastal Construction
35 05 40	Common Work Results for Waterway Construction
35 05 50 35 05 70	Common Work Results for Marine Construction
35 05 70 <b>35 06 00</b>	Common Work Results for Dams Schodules for Waterway and Marine Construction
35 06 30	Schedules for Waterway and Marine Construction Schedules for Coastal Construction
35 06 40	Schedules for Waterway Construction
35 06 50	Schedules for Marine Construction
35 06 70	Schedules for Dams
35 08 00	Commissioning of Waterway and Marine Construction
35 08 30	Commissioning of Coastal Construction
35 08 40 35 08 50	Commissioning of Waterway Construction Commissioning of Marine Construction
35 08 70	Commissioning of Marine Construction  Commissioning of Dams
35 10 00	Waterway and Marine Signaling and
	Control Equipment
35 11 00	Signaling and Control Equipment for Waterways
35 11 13	Signaling Equipment for Waterways
35 11 53	Control Equipment for Waterways
35 12 00	Marine Signaling and Control Equipment
35 12 13	Marine Signaling Equipment
35 12 13.13 35 12 33	Lighthouse Equipment
35 12 53 35 12 53	Marine Navigation Equipment  Marine Control Equipment
35 13 00	Signaling and Control Equipment for Dams
35 13 13	Signaling Equipment for Dams
35 13 53	Control Equipment for Dams
35 20 00	Waterway and Marine Construction and
	Equipment
35 20 13	Hydraulic Fabrications
35 20 13.13	Hydraulic Bifurcation Panels
35 20 13.16	Hydraulic Bulkheads

35 20 13.19 35 20 13.23 35 20 13.26 35 20 16 35 20 16.13 35 20 16.19 35 20 16.26 35 20 16.33 35 20 16.39 35 20 16.53 35 20 16.53 35 20 19.33 35 20 19.13 35 20 19.23 35 20 23.33 35 20 23.23	Hydraulic Manifolds Hydraulic Penstocks Hydraulic Trashracks Hydraulic Gates Hydraulic Spillway Crest Gates Hydraulic Head Gates Hydraulic Sluice Gates Hydraulic Miter Gates Hydraulic Sector Gates Hydraulic Tainter Gates and Anchorages Hydraulic Vertical Lift Gates Hydraulic Closure Gates Hydraulic Valves Hydraulic Butterfly Valves Hydraulic Regulating Valves Dredging Mechanical Dredging Hydraulic Dredging Integrated Dredging and Dewatering
35 30 00	<b>Coastal Construction</b>
35 31 00	Shoreline Protection
35 31 16	Seawalls
35 31 16.13	Concrete Seawalls
35 31 16.16 35 31 16.19	Segmental Seawalls Steel Sheet Piling Seawalls
35 31 16.19	Timber Seawalls
35 31 16.40	Stone Seawalls
35 31 19	Revetments
35 31 19.13	Sacked Cement-Sand Revetments
35 31 19.16	Concrete Unit Masonry Revetments
35 31 19.36	Gabion Revetments
35 31 19.40	Stone Revetments
35 31 23	Breakwaters
35 31 23.13	Rubble Mound Breakwaters
35 31 23.16	Precast Breakwater Modules
35 31 26	Jetties
35 31 26.13 35 31 26.16	Concrete Jetties
35 31 26.16	Concrete Unit Masonry Jetties Gabion Jetties
35 31 26.40	Stone Jetties
35 31 29	Groins
35 31 29.13	Concrete Groins
35 31 29.16	Concrete Unit Masonry Groins
35 31 29.26	Steel Groins
35 31 29.36	Gabion Groins
35 31 29.40	Stone Groins
35 32 00	Artificial Reefs
35 32 13	Scrap Material Artificial Reefs
35 32 13.13	Scrap Concrete Artificial Reefs
35 32 13.19	Scrap Steel Artificial Reefs
35 32 13.33 35 32 16	Sunken Ship Artificial Reefs
35 32 16 35 32 16.13	Constructed Artificial Reefs Constructed Concrete Artificial Reefs
33 32 10.13	Constructed Contrete Artificial Reels

35 32 16.19 Constructed Steel Artificial Reefs 35 40 00 Waterway Construction and Equipment 35 41 00 Levees Landside Levee Berms 35 41 13 35 41 13.13 Stability Landside Levee Berms 35 41 13.16 Seepage Landside Levee Berms 35 41 16 Levee Cutoff Trenches 35 41 19 Levee Relief Wells 35 42 00 Waterway Bank Protection 35 42 13 Piling Bank Protection 35 42 13.19 Steel Sheet Piling Bank Protection 35 42 13.23 Timber Piling Bank Protection 35 42 13.26 Plastic Piling Bank Protection 35 42 29 **Grout-Bag Bank Protection** 35 42 34 Soil Reinforcement Bank Protection 35 42 35 Slope Protection Bank Protection 35 42 36 Gabion Bank Protection 35 42 37 Riprap Bank Protection 35 42 53 Wall Bank Protection 35 42 53.16 Concrete Unit Masonry Wall Bank Protection Segmental Wall Bank Protection 35 42 53.19 Stone Wall Bank Protection 35 42 53.40 35 43 00 Waterway Scour Protection **Grout-Bag Scour Protection** 35 43 29 Soil Reinforcement Scour Protection 35 43 34 35 43 35 Slope Protection Scour Protection 35 43 36 Gabion Scour Protection 35 43 37 Riprap Scour Protection 35 43 53 Wall Scour Protection Concrete Unit Masonry Wall Scour Protection 35 43 53.13 Segmental Wall Scour Protection 35 43 53.16 35 43 53.40 Stone Wall Scour Protection 35 49 00 Waterway Structures 35 49 13 Floodwalls 35 49 13.13 Concrete Floodwalls 35 49 13.16 Masonry Floodwalls 35 49 23 Waterway Locks Concrete Waterway Locks 35 49 23.13 Piling Waterway Locks 35 49 23.23 35 49 26 Floodgate Machinery 35 50 00 Marine Construction and Equipment 35 51 00 Floating Construction Floating Piers 35 51 13 35 51 13.23 Floating Wood Piers 35 51 13.26 Floating Plastic Piers 35 51 23 **Pontoons Offshore Platform Construction** 35 52 00 35 52 13 Fixed Offshore Platform Construction 35 52 23 Semi-Submersible Offshore Platform Construction

35 52 33	Floating Offshore Platform Construction
35 53 00	Underwater Construction
35 53 23	Underwater Harbor Deepening
35 53 33	Underwater Pipeline Construction
35 53 43	Underwater Foundation Construction
35 53 53	Underwater Structures Construction
35 53 63	Underwater Waterproofing
35 59 00	Marine Specialties
35 59 13	Marine Fenders
35 59 13.13	Prestressed Concrete Marine Fender Piling
35 59 13.16	Resilient Foam-Filled Marine Fenders
35 59 13.19	Rubber Marine Fenders
35 59 23	Buoys
35 59 23.13	Mooring Buoys
35 59 23.16 35 50 33.10	Anchor Pendant Buoys
35 59 23.19	Navigation Buoys
35 59 29 35 59 29.13	Mooring Devices Quick-Release Mooring Hooks
35 59 29.16	Laser Docking Systems
35 59 29.19	Capstans
35 59 33	Marine Bollards and Cleats
35 59 33.13	Cast-Steel Marine Bollards and Cleats
35 59 33.16	Cast-Iron Marine Bollards and Cleats
35 59 33.19	Stainless-Steel Marine Bollards and Cleats
35 59 33.23	Plastic Marine Bollards and Cleats
35 59 93	Marine Chain and Accessories
35 59 93.13	Marine Chain
35 59 93.16 35 59 93.19	Marine Shackles Marine Chain Tensioners
35 70 00	Dam Construction and Equipment
35 71 00	Gravity Dams
35 71 13	Concrete Gravity Dams
35 71 16	Masonry Gravity Dams
35 71 19	Rockfill Gravity Dams
35 72 00	Arch Dams
35 72 13	Concrete Arch Dams
35 73 00	Embankment Dams
35 73 13	Earth Embankment Dam
35 73 16	Rock Embankment Dams
35 74 00	Buttress Dams
35 74 13	Concrete Buttress Dams
35 79 00	Auxiliary Dam Structures
35 79 13	Fish Ladders
35 79 13.13	Concrete Fish Ladders

40 00 00	Process Interconnections
40 01 00	Operation and Maintenance of Process
40 01 00	Interconnections
40 01 10	Operation and Maintenance of Gas and Vapor Process Piping
40 01 10	Operation and Maintenance of Gas and Vapor Process Piping  Operation and Maintenance of Liquids Process Piping
40 01 30	Operation and Maintenance of Solid and Mixed Materials Piping and
+0 01 30	Chutes
40 01 40	Operation and Maintenance of Process Piping and Equipment Protection
40 01 60	Operation and Maintenance of Process Control and Process Facility
	Enterprise Management Systems
40 01 70	Operation and Maintenance of Instrumentation for Process Systems
40 01 90	Operation and Maintenance of Primary Control Devices
40 05 00	Common Work Results for Process Interconnections
40 05 05	Exposed Piping Installation
40 05 06	Couplings, Adapters, and Specials for Process Piping
40 05 07	Hangers and Supports for Process Piping
40 05 09	Wall Pipes, Floor Pipes, and Pipe Sleeves
40 05 11	Aluminum Process Pipe
40 05 12	Brass Process Pipe
40 05 13	Bronze Process Pipe
40 05 17	Copper Process Pipe and Tubing
40 05 19	Ductile Iron Process Pipe
40 05 21	High-Alloy Nickel Process Pipe and Tubing
40 05 23	Stainless Steel Process Pipe and Tubing
40 05 23.13	Duplex and Super-Duplex Stainless Steel Process Pipe
40 05 23.23 40 05 23.33	300- and 400-Series Stainless Steel Process Pipe
40 05 23.33	Special-Fabrication Stainless Steel Process Pipe and Tubing Steel Process Pipe
40 05 24.13	Steel Pipe and Tubing for Air and Gas Service
40 05 24.23	Steel Pipe for Water Service
40 05 24.26	Steel Pipe and Tubing for Process Liquid Service
40 05 24.33	Steel Pipe for Bulk Materials Conveyance
40 05 26	Other Metals Process Pipe
40 05 26.13	Titanium Process Pipe
40 05 26.23 40 05 26.33	Tantalum Process Pipe Zirconium Process Pipe
40 05 31	Thermoplastic Process Pipe
40 05 31.13	Polyvinyl Chloride Process Pipe
40 05 31.23	Chlorinated Polyvinyl Chloride Process Pipe
40 05 31.33	ABS Process Pipe
40 05 31.43	Polypropylene Process Pipe
40 05 31.53	PVDF Process Pipe
40 05 31.63 40 05 31.83	High-Purity Plastic Process Pipe Flexible Plastic Tubing
40 05 33	High-Density Polyethylene Process Pipe
40 05 36	Fiberglass-Reinforced Plastic Process Pipe
40 05 36.13	Fiberglass-Reinforced Plastic Pipe for Process Air, Gas, and Odor Service
40 05 36.23	Fiberglass-Reinforced Plastic Pipe for Process Liquid Service
40 05 37	Centrifugally Cast Fiberglass-Reinforced Polymer Mortar Process Pipe
40 05 38	PTFE Process Pipe
40 05 39	Concrete Pipe

40 05 39.13	Concrete Pressure Water Pipe
40 05 39.23	Concrete Gravity and Drainage Process Pipe
	Common Requirements for Process Valves
40 05 51	•
40 05 53	Process Valves Four-inch Diameter and Larger
40 05 56	Process Valves, Smaller than Four-inch Diameter
40 05 57	Actuators for Process Valves and Gates
	Manual Actuators
40 05 57.13	
40 05 57.23	Electric Motor Actuators
40 05 57.33	Hydraulic Cylinder Actuators
40 05 57.43	Hydraulic Actuator Systems
40 05 57.53	Pneumatic Actuators
40 05 59	Hydraulic Gates
40 05 59.13	Stop Plates
40 05 59.16	Stop Logs
40 05 59.21	Aluminum Slide Gates
40 05 59.23	Stainless Steel Slide Gates
40 05 59.26	Fiberglass-Reinforced Plastic Slide Gates
40 05 59.33	Cast Iron Slide Gates
40 05 59.43	Butterfly Gates
40 05 61	Gate Valves
40 05 61.13	Solid Wedge Metal-Seated Gate Valves
40 05 61.16	Double Disc Metal-Seated Gate Valves
40 05 61.23	Resilient-Seated Gate Valves
40 05 61.43	Knife Gate Valves
40 05 62	Plug Valves
40 05 62.13	Eccentric Plug Valves for Gas Service
40 05 62.16	Eccentric Plug Valves for Liquid Service
40 05 63	Ball Valves
40 05 63.13	AWWA Metal-Seated Ball Valves
40 05 63.16	AWWA Resilient-Seated Ball Valves
40 05 63.33	Metallic Ball Valves
40 05 63.43	Plastic Ball Valves
40 05 64	Butterfly Valves
40 05 64.13	Metal-Seated Butterfly Valves
40 05 64.16	AWWA Resilient-Seated Butterfly Valves
40 05 64.23	Metallic Industrial Butterfly Valves
40 05 64.26	Plastic Industrial Butterfly Valves
40 05 64.33	Butterfly Valves in Air or Gas Service
40 05 64.36	High-Performance Butterfly Valves in Air or Gas Service
40 05 64.43	Dampers for Corrosive Gas Service
40 05 65	Valves for Pump Control and Check Service
40 05 65.11	Angle Valves
40 05 65.13	Cone Valves
40 05 65.16	Globe Valves
40 05 65.23	Swing Check Valves
40 05 65.26	Tilting Disc Check Valves
40 05 65.29	Double-Disk Check Valves
40 05 67	Specialized Pressure and Flow-Control Valves
40 05 67.13	Reduced-Pressure Zone Backflow Preventers for Process Service
40 05 67.16	Double Check Valve Assembly Backflow Preventers for Process Service
40 05 67.10	Pressure Vacuum Breaker Backflow Preventers
40 05 67.26	Atmospheric Vacuum Breaker Backflow Preventers
40 05 67.29	Hose Connection Vacuum Breaker Backflow Preventers
40 05 67.33	Backpressure Valves
40 05 67.36	Pressure-Regulating Valves

40 05 67.39	Pressure-Relief Valves
40 05 67.41	Direct-Acting Surge Relief Valves for Water Service
40 05 67.43	Pilot-Operated Surge Relief Valves for Water Service
40 05 67.44	Pilot-Operated Surge Arrestor Valves for Water Service
40 05 67.46	Electronic Surge Anticipator Valves for Water Service
40 05 67.47	Surge Relief Valves for Wastewater Service
40 05 67.49	Electronic Surge Anticipator Valves for Wastewater Service
40 05 71	Solids Handling Valves
40 05 71.13	Duckbill Check Valves
40 05 71.16	Flap Gates
40 05 71.10	Mud Valves
40 05 71.23	Telescoping Valves
40 05 73	Special-Application Process Valves
40 05 73.13	Altitude Valves
40 05 73.15	Float Valves
40 05 73.10	Anti-Cavitation Valves
	Flexible-Closure Valves
40 05 74	
40 05 74.13	Diaphragm Valves
40 05 74.23	Pinch Valves
40 05 76	Hot-Tapping Valves and Appurtenances
40 05 76.13	Tapping Sleeves and Valves
40 05 76.16	Tapping Machines
40 05 76.23	Line Stops
40 05 78	Air Valves for Water and Wastewater Service
40 05 78.11	Air Release Valves for Water Service
40 05 78.13	Air/Vacuum Valves for Water Service
40 05 78.16	Vacuum-Breaking Valves for Water Service Combination Air Valves for Water Service
40 05 78.19	
40 05 78.21	Air Release Valves for Wastewater Service Air/Vacuum Valves for Wastewater Service
40 05 78.23	
40 05 78.26	Vacuum-Breaking Valves for Wastewater Service Combination Air Valves for Wastewater Service
40 05 78.29	
40 05 81	Hydrants and Hose Bibbs for Process Service
40 05 81.13 40 05 81.23	Fire Hydrants
40 05 81.26	Yard Hydrants Freeze-Proof Yard Hydrants
40 05 81.33	Hose Bibbs
40 05 82	Solenoid Valves for Process Service
40 05 89	Valve Accessories
40 05 89.13	Basket Strainers for Process Service
40 05 89.13	Needle Valves
40 05 89.33	Quick-Connect Couplers
40 05 93	Common Motor Requirements for Process Equipment
40 05 95	Vibration and Seismic Controls for Process Equipment
	· ·
40 06 00	Schedules for Process Interconnections
40 06 10	Schedules for Gas and Vapor Process Piping and Ductwork
40 06 20	Schedules for Liquids Process Piping
40 06 30	Schedules for Solid and Mixed Materials Piping and Chutes
40 06 40	Schedules for Process Piping and Equipment Protection
40 06 60	Schedules for Process Control and Process Facility Enterprise
	Management Systems
40 06 70	Schedules of Instrumentation for Process Systems
40 06 90	Schedules for Primary Control Devices
- <del>10</del> 00 00	Concadion for Filling Control Devices

40.40.00	
40 10 00	Gas and Vapor Process Piping and
	Ductwork
40 11 00	
40 11 00	Steam Process Piping Low-Pressure Steam Process Piping
40 11 13	' C
40 11 10	Intermediate-Pressure Steam Process Piping
40 11 19	High-Pressure Steam Process Piping Condensate Process Piping for Process Applications
	. •
40 12 00	Compressed Air Process Piping
40 12 13	Compressed Air Process Piping for Breathing Service
40 12 23	Low-Pressure Compressed Air Process Piping
40 12 53	High-Pressure Compressed Air Process Piping
40 13 00	Process Ductwork
40 15 00	Combustion System Gas Piping
40 15 13	Combustion Air Piping
40 15 16	Oxygen Combustion System Gas Piping
40 15 19	Flue-Gas Combustion System Piping
40 15 23	Exothermic-Gas Combustion System Piping
40 15 26	Endothermic-Gas Combustion System Piping
40 15 29	Dissociated-Ammonia-Gas Combustion System Piping
40 16 00	Specialty and High-Purity Gases Piping
40 16 13	Ammonia Gas Piping
40 16 16	Boron Gas Piping
40 16 17	Chlorine Gas Piping
40 16 26	Diborane Gas Piping
40 16 29	Fluorine Gas Piping
40 16 33	Hydrogen Sulfide Gas Piping
40 16 36	Nitrous-Oxide Gas Process Piping
40 16 37	Oxygen Gas Process Piping
40 16 39	Ozone Gas Process Piping
40 16 43	Phosphine Gas Piping
40 16 46 40 16 49	Silane Gas Piping Sulfur-Dioxide Gas Piping
40 16 53	
40 16 56	Specialty Gas Mixtures Piping High-Purity Gas Piping Components
40 17 00	
40 17 00	Welding and Cutting Gases Piping  Acetylene Welding and Cutting Piping
40 17 13	Acetylene-Hydrogen Mix Welding and Cutting Piping
40 17 10	Methylacetylene-Propadiene Welding and Cutting Piping
40 17 13	Oxygen Welding and Cutting Piping
40 17 26	Inert Gas Welding and Cutting Piping
40 18 00	
	Vacuum Systems Process Piping
40 18 13	Low-Vacuum Systems Process Piping
40 18 23 40 18 53	Chlorine Gas Vacuum System Piping
	High-Vacuum Systems Process Piping
40 20 00	Liquids Process Piping
40 21 00	Liquid Fuel Process Piping
40 21 13	Bio Fuels Process Piping

	40 21 13.13	Bioalcohols Process Piping
	40 21 13.23	Biodiesel Fuel Process Piping
	40 21 13.26	Green Diesel Fuel Process Piping
	40 21 13.33	Biomass-to-Liquid (BTL) Fuel Process Piping
	40 21 13.43	Gas-to-Liquid (GTL) Fuel Process Piping
	40 21 16	Gasoline Process Piping
	40 21 19	Diesel Process Piping
	40 21 23	Fuel-Oils Process Piping
	40 21 23.13	No. 1 Fuel-Oil Process Piping
	40 21 23.23	No. 2 Fuel-Oil Process Piping
	40 21 23.26	Kerosene Process Piping
	40 21 23.29 40 21 23.43	Tar Fuels Process Piping No. 4 Fuel-Oil Process Piping
	40 21 23.43	No. 5 Fuel-Oil Process Piping
	40 21 23.63	No. 6 Fuel-Oil Process Piping
<u>40 2</u>	22 00	Petroleum Products Piping
<b>70 2</b>	40 22 10	Heavy-Fractions Petroleum Products Piping
	40 22 10	Liquefied Petroleum Gas (LPG) Process Piping
	40 22 13	
	40 22 10	Lubricating Oils Process Piping
	40 22 23	Petrochemicals Process Piping
40.0		Light-Fractions Petroleum Products Piping
40 2	23 00	Water and Wastewater Process Piping
	40 23 13	Deionized Water Process Piping
	40 23 16	Distilled-Water Process Piping
	40 23 19	Non-Potable Plant Water Process Piping
	40 23 23	Potable Water Process Piping
	40 23 29	Recirculated Water Process Piping
	40 23 33	Reverse-Osmosis Water Process Piping
	40 23 40	Sanitary Wastewater Process Piping
	40 23 41	Grit Process Piping
	40 23 43	Scum and Floatables Process Piping
	40 23 44	Primary Sludge Process Piping
	40 23 46	Waste Sludge Process Piping
40.0	40 23 48	Thickened Sludge Process Piping
40 2	24 00	Specialty Liquid Chemicals Piping
	40 24 13	Alcohol Piping
	40 24 14	Liquid Chlorine and Sodium Hypochlorite Piping
	40 24 16	Gel Piping
	40 24 19	Slurries Process Piping
	40 24 23	Thixotropic Liquid Piping
40 2	<b>25 00</b>	Liquid Acids and Bases Piping
	40 25 10	Liquid Acids Piping
	40 25 50	Liquid Bases Piping
40 2	26 00	Liquid Polymer Piping
40	30 00	Solid and Mixed Materials Piping and
		Chutes
<b>40</b> 3	32 00	Bulk Materials Piping and Chutes
	40 32 10	Abrasive Materials Piping and Chutes
	40 32 50	Nonabrasive Materials Piping and Chutes

40 33 00	Bulk Materials Valves
40 33 13	Airlock Bulk Materials Valves
40 33 16	Blind Bulk Materials Valves
40 33 26	Diverter Bulk Materials Valves
40 33 29	Double or Single Dump Bulk Materials Valves
40 33 39	Swing Bulk Materials Valves
40 33 43	Specialty Bulk Materials Valves
40 34 00	Pneumatic Conveying Lines
40 34 10	Dense Phase Pneumatic Conveying Lines
40 34 50	Dilute Phase Pneumatic Conveying Lines
40 40 00	<b>Process Piping and Equipment Protection</b>
40 41 00	Process Piping and Equipment Heat Tracing
40 41 13	Process Piping Heat Tracing
40 41 13.13	Process Piping Fleat Tracing Process Piping Electrical Resistance Heat Tracing
40 41 13.16	Process Piping Electrical Conductance Heat Tracing
40 41 13.19	Process Piping Gas Heat Tracing
40 41 13.23	Process Piping Steam Heat Tracing
40 41 13.26	Process Piping Thermal Fluids Heat Tracing
40 41 23	Process Equipment Heat Tracing
40 41 23.13	Process Equipment Electrical Resistance Heat Tracing
40 41 23.16	Process Equipment Electrical Conductance Heat Tracing
40 41 23.19 40 41 23.23	Process Equipment Gas Heat Tracing Process Equipment Steam Heat Tracing
40 41 23.26	Process Equipment Thermal Fluids Heat Tracing
40 42 00	
	Process Piping and Equipment Insulation
40 42 13 40 42 13.13	Process Piping Insulation Cryogenic Temperature Process Piping Insulation
40 42 13.16	Low Temperature Process Piping Insulation
40 42 13.19	Intermediate Temperature Process Piping Insulation
40 42 13.23	High Temperature Process Piping Insulation
40 42 13.26	Process Piping Insulation for Specialty Applications
40 42 23	Process Equipment Insulation
40 42 23.13	Cryogenic Temperature Process Equipment Insulation
40 42 23.16	Low Temperature Process Equipment Insulation
40 42 23.19	Intermediate Temperature Process Equipment Insulation
40 42 23.23 40 42 23.26	High Temperature Process Equipment Insulation Process Equipment Insulation for Specialty Applications
	Process Corrosion Protection
40 46 00	
40 46 16	Coatings and Wrappings for Process Corrosion Protection
40 46 42	Cathodic Process Corrosion Protection
40 47 00	Refractories
40 47 13	Silica Refractories
40 47 16	Alumina Refractories
40 47 19	Carbon and Graphite Refractories
40 47 23	Castable Refractories
40 47 26	Rammed Refractories
40 47 29	Refractory Concrete
40 60 00	Process Control and Enterprise
	Management Systems
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40 61 00	Process Control and Enterprise Management Systems
	General Provisions
40 61 13	Process Control System General Provisions
40 61 16	Enterprise Management System General Provisions
40 61 21	Process Control System Testing
40 61 26	Process Control System Training
40 61 93	Process Control System Input/Output List
40 61 96	Process Control Descriptions
40 62 00	Computer System Hardware and Ancillaries
40 62 13	Server Computers
40 62 16	Operator Workstation Computers
40 62 19	Industrial Computers
40 62 21	Desktop Computers
40 62 23	Mobile Computers
40 62 26	Laptop Computers
40 62 29	Tablet Computers and Mobile Devices
40 62 33	Printers
40 62 43	Large Display Screens
40 62 63	Operator Interface Terminals (OIT)
40 63 00	Control System Equipment
40 63 13	Distributed Process Control Systems
40 63 43	Programmable Logic Controllers
40 63 83	Remote Terminal Units
40 66 00	Network and Communication Equipment
40 66 13	Switches and Routers
40 66 16	Firewall Hardware
40 66 19	Media Converters
40 66 23	Frame Relay Equipment
40 66 26	Device Network Equipment
40 66 33	Metallic and Fiber-Optic Communication Cabling and Connectors
40 66 36	Process Instrumentation Networks
40 66 43	Wireless Network Systems
40 66 53	Multiple Address Radio Equipment
40 66 56 40 66 63	Point-to-Point Radio Equipment
40 66 66	Antennas Monopoles and Towers
40 66 73	Satellite Communication Equipment
40 67 00	· ·
	Control System Equipment Panels and Racks
40 67 13	Computer Equipment Racks
40 67 16 40 67 19	Free-Standing Panels Wall-Mounted Panels
40 67 19	Control System Consoles
40 67 33	Panel Wiring
40 67 63	Control Panel-Mounted Uninterruptible Power Supply
40 68 00	Process Control Software
40 68 13	Process Control (HMI) Software
40 68 23 40 68 26	Reporting Software Online Performance Monitoring Systems Software
40 68 28	Maintenance Management Software
10 00 00	

	40 68 36	Laboratory Information System Software
	40 68 39	Energy Management Software
	40 68 43	Load Management Software
	40 68 63	Configuration of HMI Software
	40 68 66	Programming of Controller Software
	40 68 93	Computer Operating Systems Software
40	69 00	Packaged Control Systems
	40 69 13	Control System Simulators
	40 69 23	Burner Management Systems
	40 69 26	Safety Instrumented Control Systems
	40 69 33	Fire and Gas Monitoring/Protection Systems for Industrial Applications
40		
	70 00	Instrumentation for Process Systems
40	71 00	Flow Measurement
	40 71 13	Magnetic Flow Meters
	40 71 13.13	Inline Magnetic Flow Meters
	40 71 13.23	Insertion-Type Magnetic Flow Meters
	40 71 23	Differential Pressure-Type Flow Meters
	40 71 23.13	Venturi Flow Meters
	40 71 23.16	Flow Tubes
	40 71 23.19	Flow Nozzle-Type Flow Meters
	40 71 23.23 40 71 23.26	Orifice Plate Flow Meters Integral Orifice Flow Meters
	40 71 23.29	Orifice Meter Runs
	40 71 23.33	Elbow Flow Meters
	40 71 23.36	Pitot Tube and Averaging Pitot Flow Meters
	40 71 23.39	V-Cone Flow Meters
	40 71 23.43	Differential Pressure-Type Flow Transmitters
	40 71 23.46	Flow Computers
	40 71 33	Propeller Flow Meters
	40 71 36	Turbine Flow Meters
	40 71 43	Variable Area Flow Meters
	40 71 46	Target Flow Meters
	40 71 49	Vortex-Shedding Flow Meters
	40 71 53	Positive Displacement Flow Meters
	40 71 63	Doppler Flow Meters
	40 71 66	Transit Time Flow Meters
	40 71 69	Open Channel Flow Meters
	40 71 73	Coriolis Flow Meters
	40 71 76	Thermal Flow Meters
	40 71 79	Flow Switches
	40 71 83	Sight Flow Indicators
	40 71 86	Flow Metering Weirs
40	72 00	Level Measurement
	40 72 13	Ultrasonic Level Meters (Continuous and Point-Type)
	40 72 23	Radar Level Meters
	40 72 26	Laser Level Meters
	40 72 29	Nuclear Level Meters
	40 72 33	Capacitance Type Level Meters (Continuous and Point Type)
	40 72 36	RF Admittance Level Meters (Continuous and Point Type)
	40 72 43	Pressure and Differential Pressure Type Level Meters

	40 72 46	Bubbler Systems
	40 72 53	Magnetic and Magnetostrictive Level Meters
	40 72 63	Displacement-Type Level Meters
	40 72 73	Sight Level Gauges
	40 72 76	Level Switches
	40 72 83	Leak Detection Systems
40	73 00	Pressure, Strain, and Force Measurement
	40 73 13	Pressure and Differential Pressure Gauges
	40 73 16	Manometers
	40 73 23	Absolute-Pressure Transmitters
	40 73 26	Gauge-Pressure Transmitters
	40 73 29	Differential Pressure Transmitters
	40 73 33	Multi-Variable Pressure/Temperature Transmitters
	40 73 36	Pressure and Differential Pressure Switches
	40 73 43	Force Measurement Devices
	40 73 46	Load Cells
	40 73 53	Torque Measurement Devices
	40 73 63	Diaphragm Seals
40	74 00	Temperature Measurement
	40 74 13	Resistance Temperature Devices
	40 74 16	Thermocouples
	40 74 23	Radiation Pyrometers
	40 74 33	Thermistors
	40 74 36	Diode Temperature Measurement Devices
	40 74 43	Bimetallic Thermometers
	40 74 46	Fluid Expansion Thermometers
	40 74 49	Change-of-State Temperature Measurement Devices
	40 74 53	Cryogenic Temperature Sensors
	40 74 63	Temperature Transmitters
	40 74 66	Temperature Switches
	40 74 69	Thermowells, Protection Tubes, and Test Thermowells
40	<b>75 00</b>	Process Liquid Analytical Measurement
	40 75 05	Multi-Parameter Analyzer Systems
	40 75 13	pH/ORP Analyzers
	40 75 16	Conductivity Analyzers
	40 75 19	Moisture Analyzers
	40 75 21	Chlorine Analyzers
	40 75 21.13	Free-Chlorine Analyzers
	40 75 21.23	Residual-Chlorine Analyzers
	40 75 23	Chlorine Dioxide Analyzer
	40 75 26	Dissolved Chlorine Dioxide Analyzers
	40 75 29	Dissolved Ammonia Analyzers
	40 75 33	Fluoride Analyzers
	40 75 43	Dissolved Oxygen Analyzers
	40 75 46	Dissolved Ozone Analyzers
	40 75 53	Turbidity Analyzers
	40 75 56	Suspended Solids/Sludge Density Analyzers
	40 75 59	Liquid Density Analyzers
	40 75 63	Monochloramine Analyzers
	40 75 66	Nitrogen Analyzers

	40 00	
	40 75 69	Phosphorous Analyzers
	40 75 73	Particle Counters
	40 75 76	Total Organic Carbon Analyzers
	40 75 79	Total Organics Analyzers
	40 75 83	Hardness Analyzers
	40 75 86	Alkalinity Analyzer
40	76 00	Process Gas Analytical Measurement
	40 76 05	Continuous Emissions Monitoring Systems
	40 76 13	Oxygen Gas Analyzers
	40 76 16	Ozone Analyzers
	40 76 23	Combustible Gas Monitors
	40 76 26	Chlorine Gas Analyzers
	40 76 29	Ammonia Gas Analyzers
	40 76 33	Hydrogen Sulfide Monitors
	40 76 36	Sulfur Dioxide Analyzers
	40 76 39	Carbon Dioxide Analyzers
	40 76 43	Carbon Monoxide Analyzers
	40 76 53	Dewpoint/Moisture Analyzers
	40 76 56	Gas Density Analyzers
	40 76 63	Flue Gas Analyzers
	40 76 66	NO/NOX Analyzers
	40 76 73	•
		Hydrocarbon Analyzers
	40 76 76	Gas Chromatograph Analyzers
	40 76 79	Vapor Pressure Analyzers
	40 76 83	Mass Spectrometers
40	77 00	Desition and Mation Management
40	77 00	Position and Motion Measurement
40	40 77 13	Acceleration Measurement Devices
40	40 77 13 40 77 16	Acceleration Measurement Devices Proximity Measurement Devices
40	40 77 13 40 77 16 40 77 19	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices
40	40 77 13 40 77 16 40 77 19 40 77 23	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems
40	40 77 13 40 77 16 40 77 19	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices
	40 77 13 40 77 16 40 77 19 40 77 23	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b>	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices Panel Mounted Instruments Indicators and Meters
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices Panel Mounted Instruments
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices Panel Mounted Instruments Indicators and Meters Indicating Lights
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 26	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 26 40 78 33	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 23 40 78 26 40 78 33 40 78 43	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 23 40 78 26 40 78 33 40 78 43 40 78 53 40 78 56	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays Isolators, Intrinsically-Safe Barriers, and Surge Suppressors
	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 26 40 78 33 40 78 33 40 78 43 40 78 55 40 78 56 40 78 59	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays
40	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 23 40 78 26 40 78 33 40 78 33 40 78 53 40 78 56 40 78 59 40 78 63	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays Isolators, Intrinsically-Safe Barriers, and Surge Suppressors Power Supplies Alarm Dialers
40	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 26 40 78 33 40 78 33 40 78 43 40 78 55 40 78 56 40 78 59	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays Isolators, Intrinsically-Safe Barriers, and Surge Suppressors Power Supplies Alarm Dialers  Miscellaneous Instruments, Calibration Equipment,
40	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 26 40 78 33 40 78 33 40 78 43 40 78 53 40 78 56 40 78 59 40 78 63 <b>79 00</b>	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices  Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays Isolators, Intrinsically-Safe Barriers, and Surge Suppressors Power Supplies Alarm Dialers  Miscellaneous Instruments, Calibration Equipment, Instrument Valves, and Fittings
40	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 26 40 78 33 40 78 43 40 78 53 40 78 56 40 78 59 40 78 63 <b>79 00</b>	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays Isolators, Intrinsically-Safe Barriers, and Surge Suppressors Power Supplies Alarm Dialers Miscellaneous Instruments, Calibration Equipment, Instrument Valves, and Fittings Nuclear Mass-Measuring Scales
40	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 23 40 78 26 40 78 33 40 78 43 40 78 53 40 78 56 40 78 59 40 78 63 <b>79 00</b>	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays Isolators, Intrinsically-Safe Barriers, and Surge Suppressors Power Supplies Alarm Dialers Miscellaneous Instruments, Calibration Equipment, Instrument Valves, and Fittings Nuclear Mass-Measuring Scales Instrument Calibration Equipment
40	40 77 13 40 77 16 40 77 19 40 77 23 40 77 26 <b>78 00</b> 40 78 13 40 78 16 40 78 19 40 78 23 40 78 26 40 78 33 40 78 43 40 78 53 40 78 56 40 78 59 40 78 63 <b>79 00</b>	Acceleration Measurement Devices Proximity Measurement Devices Vibration Velocity Measurement Devices Vibration Monitoring Systems Position, Speed, and Motion Measurement Devices Panel Mounted Instruments Indicators and Meters Indicating Lights Switches and Push Buttons Potentiometers and Manual Controllers Chart Recorders Annunciators Single-Loop Controllers Relays Isolators, Intrinsically-Safe Barriers, and Surge Suppressors Power Supplies Alarm Dialers Miscellaneous Instruments, Calibration Equipment, Instrument Valves, and Fittings Nuclear Mass-Measuring Scales

40 79 36	Voltage-to-Pressure Converters
40 79 39	Signal Conditioners and Converters
40 79 43	Deadweight Testers
40 79 46	Flame Scanners
40 79 63	Instrument Tubing
40 79 66	Instrument Valve Manifolds, Valves, and Fittings
40 80 00	<b>Commissioning of Process Systems</b>
40 90 00	Primary Control Devices
40 91 00	Primary Control Valves
40 91 13	Electrically-Operated Primary Control Valves
40 91 16	Hydraulically-Operated Primary Control Valves
40 91 19	Pneumatically-Operated Primary Control Valves
40 91 23	Solenoid Primary Control Valves
40 91 26	Specialty Primary Control Valves
40 92 00	Self-Contained Flow Controllers
40 93 00	Linear Actuators and Positioners
40 94 00	Self-Contained Pressure Regulators
40 95 00	Rotary Actuators
40 96 00	Saturable Core Reactors
40 97 00	Variable Frequency Drives

41 00 00	Material Processing and Handling
	Equipment
41 01 00	Operation and Maintenance of Material Processing
	and Handling Equipment
41 01 10	Operation and Maintenance of Bulk Material Processing Equipment
41 01 20	Operation and Maintenance of Piece Material Handling Equipment
41 01 30	Operation and Maintenance of Manufacturing Equipment
41 01 40	Operation and Maintenance of Container Processing and Packaging
41 01 50	Operation and Maintenance of Material Storage
41 01 60	Operation and Maintenance of Mobile Plant Equipment
41 05 00	Common Work Results for Material Processing and
	Handling Equipment
41 05 05	Selective Demolition for Material Processing and Handling Equipment
41 06 00	Schedules for Material Processing and Handling
	Equipment
41 06 10	Schedules for Bulk Material Processing Equipment
41 06 20	Schedules for Piece Material Handling Equipment
41 06 30	Schedules for Manufacturing Equipment
41 06 40	Schedules for Container Processing and Packaging
41 06 50 41 06 60	Schedules for Material Storage Schedules for Mobile Plant Equipment
41 08 00	• •
41 00 00	Commissioning of Material Processing and Handling
44.00.40	Equipment
41 08 10 41 08 20	Commissioning of Bulk Material Processing Equipment
41 08 30	Commissioning of Piece Material Handling Equipment Commissioning of Manufacturing Equipment
41 08 40	Commissioning of Mandradaning Equipment  Commissioning of Container Processing and Packaging
41 08 50	Commissioning of Material Storage
41 08 60	Commissioning of Mobile Plant Equipment
41 10 00	Bulk Material Processing Equipment
41 11 00	Bulk Material Sizing Equipment
41 11 13	Bulk Material Agglomerators
41 11 16	Bulk Material Air Mill Classifiers
41 11 19	Bulk Material Centrifuges
41 11 23	Bulk Material Crushers
41 11 26	Bulk Material Cyclones
41 11 29 41 11 33	Bulk Material Fluid Bed Separators Bulk Material Grinders
41 11 36	Bulk Material Homogenizers
41 11 39	Bulk Material Lump Breakers
41 11 43	Bulk Material Mills
41 11 46	Bulk Material Pulverizers
41 11 49	Bulk Material Screens
41 11 53	Bulk Material Shredders
41 11 56	Bulk Material Sieves
41 12 00	Bulk Material Conveying Equipment

	41 12 13	Bulk Material Conveyors
	41 12 13.13	Airslide Bulk Material Conveyors
	41 12 13.16	Auger Bulk Material Conveyors
	41 12 13.19	Belt Bulk Material Conveyors
	41 12 13.23	Container Bulk Material Conveyors
	41 12 13.26	Drag Chain Bulk Material Conveyors
	41 12 13.29	Hopper Bulk Material Conveyors
	41 12 13.33	Reciprocating Bulk Material Conveyors
	41 12 13.36	Screw Bulk Material Conveyors
	41 12 13.39	Stacking and Reclaim Bulk Material Conveyors
	41 12 13.43	Trough Bulk Material Conveyors
	41 12 13.46	Tube Bulk Material Conveyors
	41 12 13.49 41 12 13.53	Vibratory Bulk Material Conveyors Weigh-Belt Bulk Material Conveyors
	41 12 15.55	Bucket Elevators
	41 12 10	Pneumatic Conveyors
	41 12 19 41 12 19.13	Dense Phase Pneumatic Conveyors
	41 12 19.16	Dilute Phase Pneumatic Conveyors
11		•
41	13 00	Bulk Material Feeders
	41 13 13	Bin Activators/Live Bin Bottoms
	41 13 23	Feeders
	41 13 23.13	Airlock Bulk Material Feeders
	41 13 23.16	Apron Bulk Material Feeders
	41 13 23.19	Rotary-Valve Bulk Material Feeders
	41 13 23.23	Screw Bulk Material Feeders
	41 13 23.26 41 13 23.29	Vibratory Bulk Material Feeders
	41 13 23.29	Volumetric Bulk Material Feeders Weigh Bulk Material Feeders
44		
41	14 00	Batching Equipment
	41 14 13	Bag-Handling Batching Equipment
	41 14 16	Batch Cars/Transports
	41 14 19	Batch Hoppers
	41 14 23	Bulk Bag-Handling Batching Equipment
	41 14 26	Blenders
	41 14 29	Drum-Handling Batching Equipment
	41 14 33	Mixers
	41 14 36	Weigh Scales
41	20 00	Piece Material Handling Equipment
41	21 00	Conveyors
	41 21 13	Automatic Guided Vehicle Systems
	41 21 23	Piece Material Conveyors
	41 21 23.13	Belt Piece Material Conveyors
	41 21 23.16	Container Piece Material Conveyors
	41 21 23.19	Drag-Chain Piece Material Conveyors
	41 21 23.23	Hopper Piece Material Conveyors
	41 21 23.26	Monorail Piece Material Conveyors
	41 21 23.29	Power and Free Piece Material Conveyors
	41 21 23.33	Reciprocating Piece Material Conveyors
	41 21 23.36	Roller Piece Material Conveyors
	41 21 23.39	Vibratory Piece Material Conveyors
	41 21 23.43	Walking-Beam Piece Material Conveyors
	41 21 23.46	Weigh-Belt Piece Material Conveyors

	41 21 23.53	Postal Conveyors
	41 21 26	Piece Material Diverter Gates
	41 21 29	Piece Material Gravity Slides
	41 21 33	Piece Material Transfer Cars
	41 21 36	Piece Material Turntables
	41 21 39	Piece Material Feeders
	41 21 39.13	
44		_
41	22 00	Cranes and Hoists
	41 22 13	Cranes
	41 22 13.13	Bridge Cranes
	41 22 13.16	Gantry Cranes
	41 22 13.19	Jib Cranes
	41 22 13.23	Mobile Cranes
	41 22 13.26	Tower Cranes
	41 22 13.29	Specialty Cranes
	41 22 23	Hoists
	41 22 23.13	Fixed Hoists
	41 22 23.16	Portable Hoists
	41 22 23.19	
	41 22 23.23	
	41 22 33	Derricks
41	23 00	Lifting Devices
	41 23 13	Clamps
	41 23 16	Grabs
	41 23 19	Hooks
	41 23 23	Lifts
	41 23 26	Slings
	41 23 29	Spreader Bars/Beams
	41 23 33	Tongs
44		
41	24 00	Specialty Material Handling Equipment
	41 24 13	Aeration Devices
	41 24 16	Bin Vibrators
	41 24 19	Dehydrators
	41 24 23	Hydrators
	41 24 26	Hydraulic Power Systems
	41 24 29	Lubrication Systems
	41 24 33	Magnetic Separators
	41 24 36	Metal Detectors
	41 24 39	Railcar Movers
	41 24 43	Turnheads/Distributors
	41 24 46	Sorting Machines
	41 24 46.13	Postal Sorting Machines
44		
41	30 00	Manufacturing Equipment
41	31 00	Manufacturing Lines and Equipment
	41 31 13	Manufacturing Lines
	41 31 13.13	Assembly Lines
	41 31 13.16	Casting Lines
	41 31 13.19	Coating Lines
	41 31 13.23	Converting Lines
	41 31 13.26	Disassembly Lines
	41 31 13.29	Extrusion Lines

41 31 13.63 Web Processing Lines 41 31 16 Pick and Place Systems 41 31 19 Manufacturing-Line Robots 41 31 23 Specialty Assembly Machines	
41 32 00 Forming Equipment	
41 32 13 Bending Equipment	
41 32 16 Blow-Molding Equipment	
41 32 19 Brake-Forming Equipment	
41 32 23 Cold-Forming Equipment	
41 32 26 Die-Casting Equipment	
41 32 29 Drawing Equipment	
41 32 33 Electroforming Equipment	
41 32 36 Forging Equipment	
41 32 39 Extruding Equipment	
41 32 43 Metal-Spinning Equipment	
41 32 46 Piercing Equipment	
41 32 49 Powder Metal-Forming Equipment	
41 32 53 Pressing Equipment 41 32 56 Roll-Forming Equipment	
41 32 59 Shearing Equipment	
41 32 63 Spinning Equipment	
41 32 66 Stretching/Leveling Equipment	
41 32 69 Swaging Equipment	
41 33 00 Machining Equipment	
41 33 13 Automatic Screw Machining Equipment	
41 33 16 Boring Equipment	
41 33 19 Broaching Equipment	
41 33 23 Drilling Equipment	
41 33 26 Electro-Discharge Machining Equipmer	it
41 33 29 Grinding Equipment	
41 33 33 Hobbing Equipment	
41 33 36 Lapping Equipment	
41 33 39 Lathe Equipment	
41 33 43 Leveling Equipment 41 33 46 Machining Center Equipment	
41 33 46 Machining Center Equipment 41 33 53 Milling Equipment	
41 33 53.13 Horizontal Milling Equipment	
41 33 53.16 Vertical Milling Equipment	
41 33 60 Multi-Axis Machine Equipment	
41 33 63 Planing Equipment	
41 33 66 Reaming Equipment	
41 33 69 Routing Equipment	

	41 33 73 41 33 76	Sawing Equipment
	41 33 76	Shaping Equipment Threading Equipment
11		
4 I	34 00	Finishing Equipment
	41 34 13	Anodizing Equipment
	41 34 16	Barrel Tumbling Equipment
	41 34 23	Coating Equipment
	41 34 23.13 41 34 23.16	Diffusion Coating Equipment
	41 34 23.19	Dipping Coating Equipment Film Coating Equipment
	41 34 23.23	Phosphatizing Coating Equipment
	41 34 23.26	Plasma Coating Equipment
	41 34 23.29	Hardface Welding Coating Equipment
	41 34 23.33	Spray Painting Booth
	41 34 26	Deburring Equipment
	41 34 36	Electroplating Equipment
	41 34 46	Grinding Equipment
	41 34 49	Honing Equipment
	41 34 53	Lapping Equipment
	41 34 56	Shot Peening Equipment
	41 34 59	Superfinishing/Polishing Equipment
41	35 00	Dies and Molds
	41 35 13	Dies
	41 35 13.13	Drawing Dies
	41 35 13.16	Extrusion Dies
	41 35 13.19	Press Dies
	41 35 13.23	Rotary Dies
		· · · · · · · · · · · · · · · · · · ·
	41 35 13.26	Rule Dies
	41 35 13.26 41 35 33	Rule Dies Molds
41	41 35 13.26 41 35 33 <b>36 00</b>	Rule Dies Molds Assembly and Testing Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13	Rule Dies Molds Assembly and Testing Equipment Applicators
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13	Rule Dies Molds Assembly and Testing Equipment Applicators Adhesive Applicators
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13 41 36 13.16	Rule Dies Molds Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13 41 36 13.16 41 36 13.19	Rule Dies Molds Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16	Rule Dies Molds Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19	Rule Dies Molds Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19 41 36 19.13	Rule Dies Molds Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19 41 36 19.13 41 36 19.16	Rule Dies Molds Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19.13 41 36 19.13 41 36 19.16 41 36 19.19	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19 41 36 19.13 41 36 19.16	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19 41 36 19.13 41 36 19.16 41 36 19.19 41 36 19.23	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19 41 36 19.13 41 36 19.16 41 36 19.19 41 36 19.23 41 36 19.26	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13 41 36 13.19 41 36 13.19 41 36 19 41 36 19 41 36 19.13 41 36 19.19 41 36 19.23 41 36 19.29 41 36 19.29 41 36 19.33 41 36 23	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13 41 36 13.19 41 36 13.19 41 36 19 41 36 19 41 36 19.13 41 36 19.16 41 36 19.23 41 36 19.23 41 36 19.29 41 36 19.33 41 36 23 41 36 23.13	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment Cutting Torches
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13 41 36 13.13 41 36 13.19 41 36 13.19 41 36 19 41 36 19 41 36 19.13 41 36 19.16 41 36 19.23 41 36 19.29 41 36 19.29 41 36 19.33 41 36 23.13 41 36 23.13	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment Cutting Torches High-Pressure Water Cutting Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19.13 41 36 19.16 41 36 19.19 41 36 19.23 41 36 19.26 41 36 19.29 41 36 19.33 41 36 23.13 41 36 23.16 41 36 23.19	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment Cutting Torches High-Pressure Water Cutting Equipment Laser Cutting Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19.13 41 36 19.13 41 36 19.19 41 36 19.23 41 36 19.26 41 36 19.29 41 36 19.33 41 36 23.13 41 36 23.13 41 36 23.19 41 36 23.23	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment Cutting Torches High-Pressure Water Cutting Equipment Laser Cutting Equipment Plasma Cutting Equipment
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19.13 41 36 19.13 41 36 19.19 41 36 19.23 41 36 19.29 41 36 19.29 41 36 19.33 41 36 23.13 41 36 23.13 41 36 23.13 41 36 23.19 41 36 23.23 41 36 26	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment Cutting Torches High-Pressure Water Cutting Equipment Laser Cutting Equipment Plasma Cutting Equipment Process Tools
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19.13 41 36 19.13 41 36 19.19 41 36 19.23 41 36 19.26 41 36 19.29 41 36 19.29 41 36 19.33 41 36 23.13 41 36 23.13 41 36 23.13 41 36 23.13 41 36 23.19 41 36 23.19 41 36 26.13	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment Cutting Torches High-Pressure Water Cutting Equipment Laser Cutting Equipment Plasma Cutting Equipment Process Tools Air Process Tools
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 19.13 41 36 19.13 41 36 19.13 41 36 19.23 41 36 19.23 41 36 19.29 41 36 19.29 41 36 19.33 41 36 23.13 41 36 23.13 41 36 23.13 41 36 23.13 41 36 23.13 41 36 26.13 41 36 26.13 41 36 26.13	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment Cutting Equipment Cutting Torches High-Pressure Water Cutting Equipment Laser Cutting Equipment Plasma Cutting Equipment Process Tools Air Process Tools Electric Process Tools
41	41 35 13.26 41 35 33 <b>36 00</b> 41 36 13.13 41 36 13.16 41 36 13.19 41 36 16 41 36 19.13 41 36 19.13 41 36 19.19 41 36 19.23 41 36 19.26 41 36 19.29 41 36 19.29 41 36 19.33 41 36 23.13 41 36 23.13 41 36 23.13 41 36 23.13 41 36 23.19 41 36 23.19 41 36 26.13	Rule Dies Molds  Assembly and Testing Equipment Applicators Adhesive Applicators Lubricant Applicators Sealer Applicators Fixtures and Jigs Joining Equipment Adhesive Joining Equipment Arc-Welding Equipment Brazing Equipment Resistance-Welding Equipment Riveting Equipment Sintering Equipment Soldering Equipment Cutting Equipment Cutting Torches High-Pressure Water Cutting Equipment Laser Cutting Equipment Plasma Cutting Equipment Process Tools Air Process Tools

	41 36 29 41 36 29.13	Manufacturing Measurement and Testing Equipment Gages, Rules, and Blocks
	41 36 29.16	Penetrant Measurement and Testing Equipment
	41 36 29.19 41 36 29.23	Laser Measurement and Testing Equipment Magnaflux Measurement and Testing Equipment
	41 36 29.26	Optical Comparators
	41 36 29.29	Profilometers
	41 36 29.33	Radiograph Measurement and Testing Equipment
	41 36 29.36	Surface Tables
	41 36 29.39 41 36 29.43	Ultrasonic Measurement and Testing Equipment Test Weigh Scales
11		
	40 00	Container Processing and Packaging
41	41 00	Container Filling and Sealing
	41 41 13	Bulk Container Fillers/Packers
	41 41 16	Container Cappers
	41 41 19	Container Fillers
	41 41 19.13 41 41 19.16	Bag Fillers Box Fillers
	41 41 19.19	Bottle Fillers
	41 41 23	Container Sealers
41	42 00	Container Packing Equipment
	41 42 13	Box Packing Equipment
	41 42 13.13	Box Makers
	41 42 13.16	Box Packers
	41 42 16	Bulk Material Loaders
	41 42 16.13	Container Bulk Material Loaders
	41 42 16.23	Truck Bulk Material Loaders
	41 42 16.26 41 42 16.29	Railcar Bulk Material Loaders Ship Bulk Material Loaders
	41 42 16.33	Barge Bulk Material Loaders
	41 42 19	Carton Packers
	41 42 23	Carton Sealers
	41 42 26	Carton Shrink Wrappers
	41 42 29	Carton Stackers
41	43 00	Shipping Packaging
	41 43 13	Banding/Strapping Equipment
	41 43 16	Barcode Equipment
	41 43 16.13	Barcode Readers
	41 43 16.16 41 43 19	Barcode Printers
	41 43 19	Labeling Equipment Pallet Stacking/Wrapping Equipment
11		
	50 00	Material Storage
41	51 00	Automatic Material Storage
	41 51 13	Automatic Storage/Automatic Retrieval Systems
41	52 00	Bulk Material Storage
	41 52 13	Bins and Hoppers
	41 52 13.13	Fixed Bins and Hoppers
	41 52 13.23 41 52 13.33	Portable Bins and Hoppers Bulk Material Containers
	41 52 13.33	Returnable Bins and Hoppers
	41 52 13.53	Throwaway Bins and Hoppers

	41 52 16	Silos
	41 52 16.13	Concrete Silos
	41 52 16.16	Concrete Masonry Unit Silos
	41 52 16.19 41 52 19	Steel Silos Material Storaga Tanka
	41 52 19	Material Storage Tanks Horizontal Material Storage Tanks
	41 52 19.13	Vertical Material Storage Tanks
	41 52 19.33	Portable Material Storage Tanks
41	53 00	<b>Storage Equipment and Systems</b>
• •	41 53 13	Storage Cabinets
	41 53 16	Container Storage Systems
	41 53 19	Flat Files
	41 53 23	Storage Racks
	41 53 23.13	Mobile Storage Racks
	41 53 26	Mezzanine Storage Systems
<b>4</b> 1	60 00	<b>Mobile Plant Equipment</b>
	61 00	
41		Mobile Earth Moving Equipment
	41 61 13	Backhoes
	41 61 16 41 61 19	Bulldozers
	41 61 23	Compactors Excavators
	41 61 26	Graders
	41 61 29	Payloaders
	41 61 33	Trenchers
11	62 00	Trucks
71	41 62 13	Cement Mixer Trucks
	41 62 16	Dump Trucks
	41 62 19	Flatbed Trucks
	41 62 23	Forklift Trucks
	41 62 26	Pickup Trucks
	41 62 29	Tank Trucks
41	63 00	General Vehicles
•	41 63 13	Bicycles
	41 63 16	Carts
	41 63 19	Maintenance Vehicles
	41 63 23	Utility Vehicles
	41 63 26	Vans
	41 63 29	Wagons
41	64 00	Rail Vehicles
	41 64 13	Locomotives
	41 64 13.13	Diesel Locomotives
	41 64 13.23	Electric Locomotives
	41 64 16	Mobile Railcar Movers
41	<b>65 00</b>	Mobile Support Equipment
	41 65 13	Mobile Air Compressors
	41 65 16	Mobile Generators
	41 65 19	Mobile Welders
41	66 00	Miscellaneous Mobile Equipment
	41 66 13	Mobile Boring and Drilling Rigs

41 66 16	Mobile Lifts and Cherrypickers
41 66 19	Mobile Paving Equipment
41 66 23	Mobile Sweepers/Vacuums
41 67 00	Plant Maintenance Equipment
41 67 13	Plant Lube Oil System
41 67 16	Plant Fall Protection Equipment
41 67 19	Plant Safety Equipment
41 67 23	Plant Maintenance Tools
41 67 26	Plant Maintenance Washing Equipment

42 00 00	Process Heating, Cooling, and Drying
	Equipment
42 01 00	Operation and Maintenance of Process Heating,
12 01 00	Cooling, and Drying Equipment
42 01 10	Operation and Maintenance of Process Heating Equipment
42 01 20	Operation and Maintenance of Process Cooling Equipment
42 01 30	Operation and Maintenance of Process Drying Equipment
42 05 00	Common Work Results for Process Heating, Cooling,
	and Drying Equipment
42 05 05	Selective Demolition for Process Heating, Cooling, and Drying Equipment
42 06 00	Schedules for Process Heating, Cooling, and Drying
	Equipment
42 06 10	Schedules for Process Heating Equipment
42 06 20	Schedules for Process Cooling Equipment
42 06 30	Schedules for Process Drying Equipment
42 08 00	Commissioning of Process Heating, Cooling, and
	Drying Equipment
42 08 10	Commissioning of Heating Equipment
42 08 20	Commissioning of Cooling Equipment
42 08 30	Commissioning of Drying Equipment
42 10 00	Process Heating Equipment
42 11 00	Process Boilers
42 11 13	Low-Pressure Process Boilers
42 11 16	Intermediate-Pressure Process Boilers
42 11 19	High-Pressure Process Boilers
42 11 23	Specialty Process Boilers
42 12 00	Process Heaters
42 12 13	Electric Process Heaters
42 12 16	Fuel-Fired Process Heaters
42 12 19	Thermoelectric Process Heaters
42 12 23 42 12 26	Solar Process Heaters
42 13 00	Specialty Process Heaters
42 13 00	Industrial Heat Exchangers and Recuperators Industrial Gas-to-Gas Heat Exchangers
42 13 13 42 13 16	Industrial Gas-to-Gas Heat Exchangers Industrial Liquid-to-Gas/Gas-to-Liquid Heat Exchangers
42 13 19	Industrial Liquid-to-Cas/Cas-to-Liquid Fleat Exchangers  Industrial Liquid-to-Liquid Heat Exchangers
42 13 23	Industrial Gas Radiation Heat Exchangers
42 13 26	Industrial Solar Radiation Heat Exchangers
42 14 00	Industrial Furnaces
42 14 13	Annealing Furnaces
42 14 16	Atmosphere Generators
42 14 19	Industrial Baking Furnaces
42 14 23	Industrial Brazing Furnaces
42 14 26	Industrial Calcining Furnaces
42 14 29	Industrial Heat-Treating Furnaces

42 14 33	Industrial Melting Furnaces
42 14 33.13	Ceramics and Glass Melting Furnaces
42 14 33.16	Ferrous Melting Furnaces
42 14 33.19	Non-Ferrous Melting Furnaces
42 14 36	Primary Refining Furnaces
42 14 43	Reactor Furnaces
42 14 46	Industrial Reheat Furnaces
42 14 53	Industrial Sintering Furnaces
42 14 56	Industrial Vacuum Furnaces
42 15 00	Industrial Ovens
42 15 13	Industrial Drying Ovens
42 15 16	Industrial Curing Ovens
42 15 19	Industrial Specialty Ovens
42 20 00	Process Cooling Equipment
42 21 00	Process Cooling Towers
42 21 13	Open-Circuit Process Cooling Towers
42 21 16	Closed-Circuit Process Cooling Towers
42 22 00	Process Chillers and Coolers
42 22 13	Centrifugal Process Chillers and Coolers
42 22 16	Reciprocating Process Chillers and Coolers
42 22 19	Refrigerant Process Chillers and Coolers
42 22 23	Rotary Process Chillers and Coolers
42 22 26	Thermoelectric Process Chillers and Coolers
42 23 00	<b>Process Condensers and Evaporators</b>
42 23 13	Process Condensers
42 23 16	Process Cooling Evaporators
42 23 19	Process Humidifiers
42 30 00	Process Drying Equipment
42 31 00	Gas Dryers and Dehumidifiers
42 31 13	Drying Evaporators
42 31 16	Desiccant Equipment
42 31 19	Regenerative Dryers
42 31 23	Refrigerant Dryers
42 32 00	Material Dryers
42 32 13	Centrifugal Material Dryers
42 32 16	Conveyor Material Dryers
42 32 19	Flash Material Dryers
42 32 23	Fluid-Bed Material Dryers
42 32 26	Material Roasters
42 32 29	Rotary-Kiln Material Dryers
42 32 33	Spray Material Dryers
42 32 36	Tower Material Dryers
42 32 39	Vacuum Material Dryers
42 32 43	Specialty Material Dryers

<b>43</b> 0	00 00	Process Gas and Liquid Handling,
		Purification, and Storage Equipment
43 01	00	Operation and Maintenance of Process Gas and Liquid
.00.		Handling, Purification, and Storage Equipment
43 43 43 43 43	3 01 10 3 01 10.13 3 01 10.16 3 01 20 3 01 20.13 3 01 20.16 3 01 30 3 01 40	Operation and Maintenance of Gas Handling Equipment Gas Blowers Maintenance and Rehabilitation Gas Compressors Maintenance and Rehabilitation Operation and Maintenance of Liquid Handling Equipment Liquid Pumps Maintenance and Rehabilitation Liquid Process Equipment Maintenance and Rehabilitation Operation and Maintenance of Gas and Liquid Hi-Purification Equipment Operation and Maintenance of Gas and Liquid Storage
43	3 01 40.13 3 01 40.16	Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation Pressurized Tanks Cleaning, Maintenance, and Rehabilitation
43 0	5 00	Common Work Results for Process Gas
		and Liquid Handling, Purification, and
		Storage Equipment
43	3 05 05	Selective Demolition for Process Gas and Liquid Handling, Purification, and Storage Equipment.
	3 05 10	Common Work Results for Gas Handling Equipment
	3 05 20 3 05 30	Common Work Results for Liquid Handling Equipment Common Work Results for Gas and Liquid Hi-Purification Equipment
	3 05 40	Common Work Results for Gas and Liquid Storage
43 06	00	Schedules for Process Gas and Liquid Handling,
		Purification, and Storage Equipment
	3 06 10	Schedules for Gas Handling Equipment
	3 06 20	Schedules for Liquid Handling Equipment
	3 06 30 3 06 40	Schedules for Gas and Liquid Hi-Purification Equipment Schedules for Gas and Liquid Storage
43 08		Commissioning of Process Gas and Liquid Handling,
10 00		Purification, and Storage Equipment
	3 08 10	Commissioning of Gas Handling Equipment
	3 08 20 3 08 30	Commissioning of Liquid Handling Equipment  Commissioning of Gas and Liquid Purification Equipment
	3 08 40	Commissioning of Gas and Liquid Storage
43 1	0 00	Gas Handling Equipment
43 11	00	Gas Fans, Blowers, Pumps and Boosters
43	3 11 11	Direct Drive Single Stage Centrifugal Blowers
	3 11 12	Integrally Geared Single Stage Centrifugal Blowers
	3 11 13	Separately Geared Single Stage Centrifugal Blowers
	3 11 14 3 11 17	Direct Drive Integral Shaft Single Stage Centrifugal Blowers Horizontally Split Multistage Centrifugal Blowers
	3 11 1 <i>7</i> 3 11 18	Horizontally Split Multistage Centrifugal Blowers Vertically Split Multistage Centrifugal Blowers
	3 11 19	Centrifugal Fans
	3 11 23	Axial Blowers

43 11 26	Axial Fans
43 11 31	Rotary Helical Screw Blowers
43 11 33	Rotary Lobe Blowers
43 11 34	Regenerative Rotary Blowers
43 11 36	Rotary Vane Blowers
43 11 41	Gas-handling Venturi Jet Pumps
43 11 43	Gas-handling Vacuum Pumps
43 11 46	Gas Boosters
43 12 00	Gas Compressors
43 12 11	Centrifugal Compressors
43 12 13	Diagonal or Mixed-flow Compressors
43 12 16	Axial-flow Compressors
43 12 33	Single-acting Reciprocating Compressors
43 12 34	Double-acting Reciprocating Compressors
43 12 37	Diaphragm Reciprocating Compressors
43 12 51	Rotary Screw Compressors
43 12 53	Rotary Vane Compressors
43 12 56	Rotary Liquid-ring Compressors
43 12 57	Rotary Scroll Compressors
43 13 00	Gas Process Equipment
43 13 13	Gas Blenders
43 13 19	Gas Mixers
43 13 23	Gas Pressure Regulators
43 13 31	Gas Separation Equipment
43 13 33	Gas Dehydration Equipment
43 13 36	Combined Gas Separation and Dehydration Equipment
43 13 39	Gas Recovery and Condensing Equipment
43 13 43	Waste Gas Burner System
43 13 46	Gas Control and Safety Equipment
43 15 00	Process Air and Gas Filters
43 15 13	Blower Intake and Turbine Air Filters
43 15 13.13	Static Prefilters
43 15 13.16 43 15 13.19	Static Final Filters Static HEPA Filters
43 15 13.19	Pulse Filters
43 15 33	Grease Filters
43 15 43	Mist Eliminators
43 15 63	High-temperature Air Filters
43 15 73	Multiple-application Air Filters
43 15 73.11	Air Filter Media
43 15 73.12	Permanent Washable Filters
43 15 73.13	Poly-ring Air Filters
43 15 73.15	Rigid Cell Filters
43 15 73.17 43 15 76	Automatic Roll-type Air Filters Chemical Media for Air and Gas Filters
43 20 00	Liquid Handling Equipment
43 22 00	Liquid Process Equipment
43 22 13	
43 22 13	Liquid Aeration Devices
43 22 16	

43 22 23	Liquid Centrifuges
43 22 26	Liquid Deaerators
43 22 29	Drum Handling Liquid Process Equipment
43 22 33	Liquid Emulsifiers
43 22 36	Liquid Evaporators
43 22 39	Liquid Feeders
43 22 56	Liquid Process Mixers
43 22 59	Liquid Process Pressure Regulators
43 22 63	Liquid Separation Towers
43 22 66	Liquid Weigh Systems
	Liquid Grease Receiving and Dewatering Systems
43 22 69	, ,
43 22 73	Liquid Fillers
43 22 76	Liquid Screeners
43 22 79	Liquid Clarifiers
43 22 83	Liquid Classifiers
43 22 86	Liquid Homogenizers
43 22 89	Liquid Presses
43 22 96	Liquid Versators
43 22 99	Liquid Votators
43 23 00	Dry Location Liquid Pumps
43 23 13	Overhung Horizontal Centrifugal Pumps
43 23 13.13	Overhung Flexibly-coupled Horizontal Axial Flow Centrifugal Pumps
43 23 13.14	Overhung Flexibly-coupled Horizontal Frame-mounted Centrifugal Pumps
43 23 13.17	Overhung Flexibly-coupled Horizontal Foot-mounted Centrifugal Pumps
43 23 13.19	Overhung Flexibly-coupled Horizontal Foot-mounted Self-priming Centrifugal
	Pumps
43 23 13.21	Overhung Flexibly-coupled Horizontal Centerline-mounted Centrifugal Pumps
43 23 13.23	Overhung Flexibly-coupled, Magnetic Drive, Sealless Horizontal Centrifugal
	Pumps
43 23 13.24	Overhung Close-coupled High-speed Integral Gear Centrifugal Pumps
43 23 13.27	Overhung Close-coupled Horizontal Centrifugal Pumps
43 23 13.29	Overhung Close-coupled Sealless with Canned Motor Horizontal Centrifugal Pumps
43 23 21	Between-Bearings Impeller Centrifugal Pumps
43 23 21.13	Between-bearings Impeller, One- and Two-stage Axially-split Centrifugal Pumps
43 23 21.14	Between-bearings Impeller, One- and Two-stage, Radially-split Centrifugal Pumps
43 23 21.17	Between-bearings Impeller, Multiple-stage, Axially-split Centrifugal Pumps
43 23 21.19	Between-bearings Impeller, Multiple-stage, Radially-split Centrifugal Pumps
43 23 21.21	Between-bearings Impeller, Multiple-stage, Radially-split, Single Casing Centrifugal Pumps
43 23 21.23	Between-bearings Impeller, Multiple-stage, Radially-split, Double Casing
.0 _00	Centrifugal Pumps
43 23 31	Vertical Centrifugal Pumps
43 23 31.13	Overhung Flexibly-coupled Vertical Centrifugal Pumps
43 23 31.14	Overhung Flexibly-coupled Vertical Inline Centrifugal Pumps
43 23 31.17	Overhung Flexibly-coupled Vertical End-suction Centrifugal Pumps
43 23 31.19	Overhung Flexibly-coupled, Magnetic Drive, Sealless Vertical Centrifugal Pumps
43 23 31.21	Overhung Close-coupled Vertical Inline Centrifugal Pumps
43 23 31.23	Overhung Close-coupled Vertical End Suction Centrifugal Pumps
43 23 31.24	Overhung Close-coupled Sealless with Canned Motor Vertical Centrifugal Pumps
43 23 31.27	Overhung Rigidly-coupled Vertical Inline Centrifugal Pumps
43 23 31.29	Overhung Close-coupled Vertical Centrifugal Pumps
43 23 51	Vane Pumps

40.00.50	Distan Dumas
43 23 53	Piston Pumps
43 23 53.13	Piston Axial Rotary Pumps
43 23 53.23	Piston Radial Rotary Pumps
43 23 53.33	Circumferential Single-Piston Rotary Pumps
43 23 53.36	Circumferential Multiple-Piston Rotary Pumps
43 23 54	Flexible Member Pumps
43 23 54.13	Flexible Tube Rotary Pumps
43 23 54.23	Flexible Vane Rotary Pumps
43 23 54.33	Flexible Liner Rotary Pumps
43 23 56	Gear Pumps
43 23 56.13	External Gear Rotary Pumps
43 23 56.23	Internal Gear Rotary Pumps
43 23 57	Progressing Cavity Pumps
43 23 58	Lobe Pumps
43 23 58.13	Single-Lobe Rotary Pumps
	· ·
43 23 58.23	Multiple-Lobe Rotary Pumps
43 23 59	Screw Pumps
43 23 59.13	Single-Screw Rotary Pumps
43 23 59.23	Multiple-Screw Rotary Pumps
43 23 71	Air-Operated Diaphragm Reciprocating Pumps
43 23 71.13	Air-Operated Diaphragm Simplex Single-Acting Reciprocating Pumps
43 23 71.23	Air-Operated Diaphragm Simplex Double-Acting Reciprocating Pumps
43 23 71.33	Air-Operated Diaphragm Duplex Single-acting Reciprocating Pumps
43 23 71.43	Air-Operated Diaphragm Duplex Double-acting Reciprocating Pumps
43 23 72	Air-Operated Bellows Reciprocating Pumps
43 23 72.13	Air-Operated Bellows Simplex Single-Acting Reciprocating Pumps
43 23 72.23	Air-Operated Bellows Simplex Double-Acting Reciprocating Pumps
43 23 72.33	Air-Operated Bellows Duplex Single-Acting Reciprocating Pumps
43 23 72.43	Air-Operated Bellows Duplex Double-Acting Reciprocating Pumps
43 23 73	Air-Operated Piston Reciprocating Pumps
43 23 73.13	Air-Operated Piston Simplex Single-Acting Reciprocating Pumps
43 23 73.23	Air-Operated Piston Simplex Double-Acting Reciprocating Pumps
43 23 73.33	Air-Operated Piston Duplex Single-Acting Reciprocating Pumps
43 23 73.43	Air-Operated Piston Duplex Double-Acting Reciprocating Pumps
43 23 74	Steam Horizontal Reciprocating Pumps
43 23 74.13	Steam Horizontal Double-Acting Piston Simplex Reciprocating Pumps
43 23 74.23	Steam Horizontal Double-Acting Piston Duplex Reciprocating Pumps
43 23 74.33	Steam Horizontal Double-Acting Plunger Simplex Reciprocating Pumps
43 23 74.43	Steam Horizontal Double-Acting Plunger Duplex Reciprocating Pumps
43 23 75	Steam Vertical Reciprocating Pumps
43 23 75.13	Steam Vertical Double-Acting Piston Simplex Reciprocating Pumps
43 23 75.23	Steam Vertical Double-Acting Piston Duplex Reciprocating Pumps
43 23 75.33	Steam Vertical Double-Acting Plunger Simplex Reciprocating Pumps
43 23 75.43	Steam Vertical Double-acting Plunger Duplex Reciprocating Pumps
43 23 76	Power Horizontal Reciprocating Pumps
43 23 76.11	Power Horizontal Single-Acting Piston Simplex Reciprocating Pumps
43 23 76.12	Power Horizontal Single-Acting Piston Duplex Reciprocating Pumps
43 23 76.13	Power Horizontal Single-Acting Piston Multiplex Reciprocating Pumps
43 23 76.21	Power Horizontal Single-Acting Plunger Simplex Reciprocating Pumps
43 23 76.22	Power Horizontal Single-Acting Plunger Duplex Reciprocating Pumps
43 23 76.23	Power Horizontal Single-Acting Plunger Multiplex Reciprocating Pumps
43 23 76.31	Power Horizontal Double-Acting Piston Simplex Reciprocating Pumps
43 23 76.32	Power Horizontal Double-Acting Piston Duplex Reciprocating Pumps
43 23 76.33	Power Horizontal Double-Acting Piston Multiplex Reciprocating Pumps
43 23 76.41	Power Horizontal Double-Acting Plunger Simplex Reciprocating Pumps

43 23 76.42 43 23 76.43 43 23 77 43 23 77.11	Power Horizontal Double-Acting Plunger Duplex Reciprocating Pumps Power Horizontal Double-Acting Plunger Multiplex Reciprocating Pumps Power Vertical Reciprocating Pumps Power Vertical Single-Acting Piston Simplex Reciprocating Pumps
43 23 77.12	Power Vertical Single-Acting Piston Duplex Reciprocating Pumps
43 23 77.13	Power Vertical Single-Acting Piston Multiplex Reciprocating Pumps
43 23 77.21	Power Vertical Single-Acting Plunger Simplex Reciprocating Pumps
43 23 77.22 43 23 77.23	Power Vertical Single-Acting Plunger Duplex Reciprocating Pumps  Power Vertical Single-Acting Plunger Multiplex Reciprocating Pumps
43 23 77.23	Power Vertical Single-Acting Piston Simplex Reciprocating Pumps  Power Vertical Double-Acting Piston Simplex Reciprocating Pumps
43 23 77.32	Power Vertical Double-Acting Piston Duplex Reciprocating Pumps  Power Vertical Double-Acting Piston Duplex Reciprocating Pumps
43 23 77.33	Power Vertical Double-Acting Piston Multiplex Reciprocating Pumps
43 23 77.41	Power Vertical Double-Acting Plunger Simplex Reciprocating Pumps
43 23 77.42	Power Vertical Double-Acting Plunger Duplex Reciprocating Pumps
43 23 77.43	Power Vertical Double-Acting Plunger Multiplex Reciprocating Pumps
43 23 78	Controlled Volume Horizontal Reciprocating Pumps
43 23 78.11	Controlled Volume Horizontal Packed Plunger Simplex Reciprocating Pumps
43 23 78.12	Controlled Volume Horizontal Packed Plunger Duplex Reciprocating Pumps
43 23 78.13	Controlled Volume Horizontal Packed Plunger Multiplex Reciprocating Pumps
43 23 78.21	Controlled Volume Horizontal Packed Piston Simplex Reciprocating Pumps
43 23 78.22	Controlled Volume Horizontal Packed Piston Duplex Reciprocating Pumps
43 23 78.23	Controlled Volume Horizontal Packed Piston Multiplex Reciprocating Pumps
43 23 78.31	Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex
40.00.70.00	Reciprocating Pumps
43 23 78.32	Controlled Volume Horizontal Mechanically-Coupled Diaphragm Duplex
43 23 78.33	Reciprocating Pumps Controlled Volume Horizontal Mechanically-Coupled Diaphragm Multiplex
43 23 70.33	Reciprocating Pumps
43 23 78.34	Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Simplex
10 20 10.01	Reciprocating Pumps
43 23 78.35	Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Duplex
	Reciprocating Pumps
43 23 78.36	Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Multiplex
	Reciprocating Pumps
43 23 79	Controlled Volume Vertical Reciprocating Pumps
43 23 79.11	Controlled Volume Vertical Packed Plunger Simplex Reciprocating Pumps
43 23 79.12	Controlled Volume Vertical Packed Plunger Duplex Reciprocating Pumps
43 23 79.13	Controlled Volume Vertical Packed Plunger Multiplex Reciprocating Pumps
43 23 79.21	Controlled Volume Vertical Packed Piston Simplex Reciprocating Pumps
43 23 79.22	Controlled Volume Vertical Packed Piston Duplex Reciprocating Pumps
43 23 79.23	Controlled Volume Vertical Packed Piston Multiplex Reciprocating Pumps
43 23 79.31	Controlled Volume Vertical Mechanically-Coupled Diaphragm Simplex
43 23 79.32	Reciprocating Pumps Controlled Volume Vertical Machanically Coupled Disphrage Dupley
43 23 79.32	Controlled Volume Vertical Mechanically-Coupled Diaphragm Duplex Reciprocating Pumps
43 23 79.33	Controlled Volume Vertical Mechanically-Coupled Diaphragm Multiplex
43 23 79.33	Reciprocating Pumps
43 23 79.34	Controlled Volume Vertical Hydraulically-Coupled Diaphragm Simplex
10 20 70.01	Reciprocating Pumps
43 23 79.35	Controlled Volume Vertical Hydraulically-Coupled Diaphragm Duplex
	Reciprocating Pumps
43 23 79.36	Controlled Volume Vertical Hydraulically-Coupled Diaphragm Multiplex
	Reciprocating Pumps
43 24 00	Suspended Liquid Pumps
43 24 11	Vertically Suspended Single-Casing Submersible Centrifugal Pumps
10 27 11	. Statestiff California Carrier Calcard California California California

	43 24 13	Vertically Suspended Single-Casing Discharge-through-column Centrifugal
	10.04.10.10	Pumps
	43 24 13.13	Vertically Suspended Single-Casing Discharge-through-column Diffuser
	43 24 13.23	Centrifugal Pumps Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal
	43 24 13.23	Pumps
	43 24 13.33	Vertically Suspended Single-Casing Discharge-through-column Axial Flow
		Centrifugal Pumps
	43 24 16	Vertically Suspended Single-casing Separate Discharge (Sump)
		Centrifugal Pumps
	43 24 16.13	Vertically Suspended Single-Casing Separate Discharge (Sump) Line Shaft
		Centrifugal Pumps
	43 24 16.23	Vertically Suspended Single-Casing Separate Discharge (Sump) Cantilever
	43 24 21	Centrifugal Pumps Vertically Supported Double Cooling Centrifugal Rumps
	43 24 21.13	Vertically Suspended Double-Casing Centrifugal Pumps Vertically Suspended Double-Casing Diffuser Centrifugal Pumps
	43 24 21.23	Vertically Suspended Double-Casing Volute Centrifugal Pumps
	43 24 26	Vertically Suspended Inline Casing Diffuser Centrifugal Pumps
	43 24 41	Archimedes Screw Pumps
	43 24 41.13	Positive-Displacement Inclined Open Archimedes Screw-type Pumps
	43 24 41.23	Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps
43	25 00	Submersible/Immersible Liquid Pumps
	43 25 13	Overhung Close-Coupled Submersible Centrifugal Pumps
	43 25 13.13	Overhung Close-Coupled Submersible Diffuser Centrifugal Pumps
	43 25 13.23	Overhung Close-Coupled Submersible Volute Centrifugal Pumps
	43 25 50	Positive Displacement Submersible Liquid Pumps
43	26 00	Specialized Liquid Pumps
	43 26 13	Submersible Grinder Pumps
	43 26 30	Regenerative Centrifugal Pumps
	43 26 30.13	Overhung Impeller Regenerative Turbine Pumps
	43 26 30.21	Overhung Impeller Single-Stage Regenerative Turbine Pumps
	43 26 30.23	Overhung Impeller Two-Stage Regenerative Turbine Pumps
	43 26 30.26 43 26 30.27	Between-Bearings Impeller Regenerative Turbine Pumps Between-Bearings Impeller Single-Stage Regenerative Turbine Pumps
	43 26 30.27	Between-Bearings Impeller Two-Stage Regenerative Turbine Pumps
	43 26 40	Regenerative Turbine Pumps
	43 26 60	Regenerative Vacuum Pumps
	43 26 70	Rotating-Case Pumps
43	27 00	Process Liquid Filters
73	43 27 13	Cyclonic Liquid Filters
	43 27 16	Centrifugal Horizontal Pressure Leaf Liquid Filters
	43 27 19	Press Liquid Filters
	43 27 23	Liquid Bag Filters
	43 27 33	Mechanically Cleaned Liquid Filters
	43 27 43	Tubular Backwashing Liquid Filters
	43 27 53	Vacuum Belt Liquid Filters
	43 27 63	Woven Media Liquid Filters
	43 27 63.13	Disc Liquid Filters
	43 27 63.23	Rotating Drum Liquid Filters
	43 27 63.33	Layer Liquid Filters
	43 27 63.43	Candle Liquid Filters
	43 27 63.53	Vertical Leaf Liquid Filters

	43 27 73 43 27 73.13	Nonwoven Media Liquid Filters Surface Liquid Filters
	43 27 73.13	Depth Liquid Filters
43	30 00	<b>Gas and Liquid Purification Equipment</b>
43 3	31 00	Gas and Liquid Purification Filtration Equipment
	43 31 13	Gas and Liquid Purification Filters
	43 31 13.13	Activated Carbon-Gas and Liquid Purification Filters
	43 31 13.16	Gas and Liquid Purification Filter Presses
	43 31 13.19	High-Purity Cartridge Gas and Liquid Purification Filters
	43 31 13.23	Membrane Diaphragm Gas and Liquid Purification Filters
	43 31 13.26 43 31 13.29	Multimedia Gas and Liquid Purification Filters Pretreatment Cartridge Gas and Liquid Purification Filters
	43 31 13.29	Ultrafilter Units
43 1	<b>32 00</b>	Gas and Liquid Purification Process Equipment
70 (	43 32 13	Gas and Liquid Purification Process Beds
	43 32 13.13	Anion-Gas and Liquid Purification Process Beds
	43 32 13.16	Cation-Gas and Liquid Purification Process Beds
	43 32 23	Gas and Liquid Purification Process Clarifier Systems
	43 32 26	Gas and Liquid Purification Decarbonators
	43 32 29	Electronic Deionization Purification Units
	43 32 33	External Regeneration Systems
	43 32 36	Mixed-Bed Ion-Exchange Vessels
	43 32 39	Gas and Liquid Purification Mixed Beds
	43 32 39.13	Externally Regenerable Gas and Liquid Purification Mixed Beds
	43 32 39.16	In-Situ Regenerable Gas and Liquid Purification Mixed Beds
	43 32 53	Packed-Bed Ion-Exchange Vessels
	43 32 56	Reverse-Osmosis Purification Units
	43 32 59	Gas and Liquid Purification Scrubbers
	43 32 63	Ultraviolet Sterilizers
	43 32 66	Vacuum Degasifiers
	43 32 69	Chemical Feed Systems
	43 32 73 43 32 76	Ozonation Equipment
40		Chlorination Equipment
	40 00	Gas and Liquid Storage
43	41 00	Non-pressurized Tanks and Vessels
	43 41 11	Bolted Steel Tanks
	43 41 13	Welded Steel Tanks
	43 41 13.13	Glass-lined Welded Steel Tanks
	43 41 13.23 43 41 13.33	Rubber-lined Welded Steel Tanks Epoxy-lined Welded Steel Tanks
	43 41 13.43	Ceramic-lined Welded Steel Tanks
	43 41 23	Stainless Steel Tanks
	43 41 26	Aluminum Tanks
	43 41 31	Metallic Specialty Tanks
	43 41 41	Polyvinyl Chloride Tanks
	43 41 43	Polyethylene Tanks
	43 41 45	Fiberglass Reinforced Plastic Tanks
	43 41 53	Wood Stave Tanks
	43 41 63	Precast Concrete Tanks
	43 41 73	Ceramic Tanks

43 41 83	Non-metallic Specialty Tanks
43 42 00	Pressurized Tanks and Vessels
43 42 11	Cast Iron Pressure Tanks
43 42 13	Ductile Iron Pressure Tanks
43 42 21	Welded Steel Pressure Tanks
43 42 23	Glass-lined Steel Pressure Tanks
43 42 26	Welded Steel Gas Storage Sphere
43 42 33	Stainless Steel Pressure Tanks
43 42 36	Aluminum Pressure Tanks
43 42 41	Metallic Specialty Pressure Tanks
43 42 53	Fiberglass Reinforced Plastic Pressure Tanks
43 42 83	Non-metallic Specialty Pressure Tanks

44 00 00	Pollution and Waste Control
	Equipment
44 01 00	Operation and Maintenance of Pollution
	and Waste Control Equipment
44 01 10	Operation and Maintenance of Air Pollution Control
44 01 20	Operation and Maintenance of Noise Pollution Control
44 01 30	Operation and Maintenance of Odor Control Equipment
44 01 40 44 01 50	Operation and Maintenance of Water Pollution Control Equipment Operation and Maintenance of Solid Waste Control and Reuse
44 01 60	Operation and Maintenance of Waste Thermal Processing Equipment
44 05 00	Common Work Results for Pollution and
	Waste Control Equipment
44 05 05	Selective Demolition for Pollution and Waste Control Equipment
44 06 00	<b>Schedules for Pollution and Waste Contro</b>
	Equipment
44 06 10	Schedules for Air Pollution Control
44 06 20	Schedules for Noise Pollution Control
44 06 30	Schedules for Odor Control Equipment
44 06 40 44 06 50	Schedules for Water Pollution Control Equipment Schedules for Solid Waste Control and Reuse
44 06 60	Schedules for Waste Control and Redse Schedules for Waste Thermal Processing Equipment
44 08 00	Commissioning of Pollution and Waste
	Control Equipment
44 08 10	Commissioning of Air Pollution Control
44 08 20	Commissioning of Noise Pollution Control
44 08 30	Commissioning of Odor Control Equipment
44 08 40	Commissioning Water Pollution Control Equipment
44 08 50 44 08 60	Commissioning Solid Waste Control and Reuse Commissioning of Waste Thermal Processing Equipment
44 10 00	Air Pollution Control
<b>44 11 00</b> 44 11 13	Particulate Control Equipment Fugitive Dust Control
44 11 16	Fugitive Dust Control  Fugitive Dust Barrier Systems
44 11 19	Atmospheric Air Quality Monitoring Equipment
44 11 20	Gravitational Separators
44 11 31	Venturi Scrubbing Equipment
44 11 33	Spray Tower/Chamber Scrubbing Equipment
44 11 36 44 11 51	Cyclone Scrubbing Equipment Pulse Jet Fabric Filtration Equipment
44 11 53	Reverse Flow Fabric Filtration Equipment
44 11 54	Shake/Deflate Fabric Filtration Equipment
44 11 56	Cartridge Filtration Equipment
44 11 59	Disposable Dry Filtration Equipment

44 11 71	Cyclone Dust Collection Equipment
44 11 73	Multicylone Dust Collection Equipment
44 11 76	Mist Elimination Equipment
44 11 93	Wet Electrostatic Precipitator Equipment
44 11 96	Dry Plate Electrostatic Precipitator Equipment
44 13 00	Gaseous Air Pollution Control Equipment
44 13 11	Spray Tower/Chamber Absorption Equipment
44 13 13	Packed Tower/Chamber Absorption Equipment
44 13 14	Tray Tower Absorption Equipment
44 13 16	Jet Bubbling Reactor Equipment
44 13 17	Venturi Absorption Equipment
44 13 20	Vacuum Extraction Systems
44 13 31	Powdered Injection Adsorption Equipment
44 13 33	Fluidized Bed Adsorption Equipment
44 13 34	Fixed Bed Adsorption Equipment
44 13 36	Rotary Bed Adsorption Equipment
44 13 39	Radial Bed Adsorption Equipment
44 13 51	Thermal Oxidation Equipment
44 13 53	Catalytic Oxidation Equipment
44 13 56	Flare Oxidation Equipment
44 13 59	Claus Sulfur Recovery Equipment
44 13 71	Thermal Reduction Equipment
44 13 73	Catalytic Reduction Equipment
44 13 76	Non-catalytic Reduction Equipment
44 13 77	Selective Non-catalytic Reduction Equipment
44 13 81	Condensation Systems
44 13 83	Contact Condensing Equipment
44 13 86	Solvent Recovery Equipment
44 13 91	Biofilter Media
44 13 93	Fixed Bed Biofilter Equipment
44 13 96	Fixed Bed Biotrickling Filter Equipment
44 13 97	Fixed Bed Bioscrubbing Equipment
44 20 00	Noise Pollution Control
44 21 00	Noise Pollution Control Equipment
44 21 13	Fixed Noise Abatement Barriers
44 21 16	Flexible Noise Abatement Barriers
44 21 19	Portable Noise Abatement Barriers
44 21 23	Noise Pollution Silencers
44 21 26	Frequency Cancellers
44 30 00	Odor Control
44 31 00	Odor Treatment Equipment
44 31 11	Wet Chemical Packed Tower Odor Control Equipment
44 31 13	Chemical Mist System Odor Control Equipment
44 31 16	Activated Carbon Adsorption Odor Control Equipment
44 31 19	Packaged Odor Control Systems
44 31 19	Odor Control Biofilters
44 31 28	Odor Control Biofilter Aeration Floor
44 31 29	Odor Control Biofilter Media
44 31 31	Odor Control Biotrickling Filter Equipment
<del> </del>	Caci Control Dictricking Filter Edulphient

44 31 33	Odor Control Bioscrubbing Equipment
44 31 41	Odor Control Vapor Combustion Equipment
44 31 83	Adjusting and Balancing Odor Control Systems
44 32 00	Odor Dispersing and Masking/Counteracting
	Equipment
44 32 13	Odor Dispersing Exhaust Stacks
44 32 13.13	Fan-equipped Odor Dispersing Exhaust Stacks
44 32 23	Odor Masking/Counteracting Equipment
44 40 00	Water Pollution Control Equipment
44 41 00	Water Pollution Containment and Cleanup Equipment
44 41 13	Spill Cleanup
44 41 21	Containment Booms
44 41 23	Marine Spill Accessories
44 41 31	Spill Decks
44 41 32	Drum Containment Units
44 41 33	Containment Pallets
44 41 34	Prefabricated Spill Containment Curbing
44 41 36	Prefabricated Spill Containment Berms
44 41 37	Prefabricated Berms for Tank Containment
44 41 41	Collapsible Storage Tanks
44 50 00	Solid Waste Control and Reuse
44 51 00	Solid Waste Collection, Transfer, and Hauling
	Equipment
44 51 13	Solid Waste Portable Containers
44 51 16	Solid Waste Stationary Containers
44 51 23	Solid Waste Transfer Trailers
44 53 00	Solid Waste Processing Equipment
44 53 11	<del>-</del> • •
44 53 11	Live-floor Storage Bins Refuse Cranes and Accessories
44 53 16	Solid Waste Screens
44 53 21	Car Crushers
44 53 23	Shears and Guillotines
44 53 26	Shredders and Grinders
44 53 27	Perforators
44 53 31	Bag Breakers
44 53 33	Granulators
44 53 36	Crumb Rubber Systems
44 53 39	Briquetters
44 53 41	Vibratory Table Separation Equipment
44 53 43	Ferrous Metals Separation Equipment
44 53 44	Eddy Current Separators
44 53 46	Single-stream Materials Separation Equipment
44 53 49	Ballistic Separators
44 53 51	Air Classifying Equipment
44 53 52	Air Knives
44 53 53	Optical Sorting Equipment
44 53 56	Packaged Sorting Stations
44 53 59	Packaged Reclaimer Stations

44 53 61	Solid Waste Compactors
44 53 63	Solid Waste Baling Equipment
44 53 64	Bagging Equipment
44 53 66	Wrappers
44 53 73	Solid Waste Liquid Extraction Equipment
44 55 00	Composting Equipment
44 55 11	Electromechanical Composters
44 55 13	Compost Screening Equipment
44 55 16	Compost Shredding Equipment
44 55 23	Compost Pile Turning Equipment
44 55 26	Compost Mixing and Blending Equipment
44 55 33	In-vessel Composing Equipment
44 55 43	Compost Pad System
44 55 73	Compost Liquid Extraction Equipment
44 60 00	Waste Thermal Processing Equipment
44 61 00	Waste-to-Energy Plants
44 61 13	Waste Receiving, Management, and Feed Equipment
44 61 16	Mass Burn Combustion Equipment
44 61 23	Refuse-derived Fuel Feed Equipment
44 61 26	Refuse-derived Fuel Combustion Equipment
44 61 29	Modular Combustion System Equipment
44 61 31	Ash Handling Equipment
44 61 33	Post-combustion Ferrous Metals Recovery Equipment
44 61 36	Post-combustion Non-ferrous Metals Recovery Equipment
44 62 00	Fluidized Bed Combustion Equipment
44 63 00	Rotary Kiln Incinerators
44 64 00	Gasification Equipment
44 64 13	Counter-current Fixed Bed Gasification Equipment
44 64 23	Co-current Fixed Bed Gasification Equipment
44 64 33	Fluidized Bed Gasification Equipment
44 64 43	Entrained Flow Gasification Equipment
44 64 53	Plasma Arc Gasification Equipment
44 65 00	Pyrolysis Equipment
44 66 00	<b>Hazardous Waste and Medical Waste Incinerators</b>
44 67 00	Heat Recovery Equipment for Waste Thermal
	Processing
44 68 00	Synthesis Gas Cleanup and Handling Equipment

45	5 00 00	Industry-Specific Manufacturing
		Equipment
45	05 00	Common Work Results for Industry-Specific
		Manufacturing Equipment
	45 05 05	Selective Demolition for Industry-Specific Manufacturing Equipment
45	08 00	Commissioning of Industry-Specific Manufacturing
		Equipment
15	11 00	• •
45	<b>11 00</b> 45 11 01	Oil and Gas Extraction Equipment Operation and Maintenance of Oil and Gas Extraction Equipment
	45 11 01	Schedules for Oil and Gas Extraction Equipment
		15 12 99 User-Defined Oil and Gas Extraction Equipment
45	13 00	Mining Machinery and Equipment
70	45 13 01	Operation and Maintenance of Mining Machinery and Equipment
	45 13 06	Schedules for Mining Machinery and Equipment
		15 14 99 User-Defined Mining Machinery and Equipment
45	15 00	Food Manufacturing Equipment
	45 15 01	Operation and Maintenance of Food Manufacturing Equipment
	45 15 06	Schedules for Food Manufacturing Equipment
	45 15 10 to 4	15 16 99 User-Defined Food Manufacturing Equipment
45	17 00	Beverage and Tobacco Manufacturing Equipment
	45 17 01	Operation and Maintenance of Beverage and Tobacco Manufacturing Equipment
	45 17 06	Schedules for Beverage and Tobacco Manufacturing Equipment
		15 18 99 User-Defined Beverage and Tobacco Manufacturing Equipment
45	19 00	Textiles and Apparel Manufacturing Equipment
	45 19 01	Operation and Maintenance of Textiles and Apparel Manufacturing
		Equipment
	45 19 06	Schedules for Textiles and Apparel Manufacturing Equipment
		15 20 99 User-Defined Textiles and Apparel Manufacturing Equipment
45	21 00	Leather and Allied Product Manufacturing Equipment
	45 21 01	Operation and Maintenance of Leather and Allied Product Manufacturing Equipment
	45 21 06	Schedules for Leather and Allied Product Manufacturing Equipment
	45 21 10 to 4	•
		Equipment
45	23 00	Wood Product Manufacturing Equipment
	45 23 01	Operation and Maintenance of Wood Product Manufacturing Equipment
	45 23 06	Schedules for Wood Product Manufacturing Equipment
		15 24 99 User-Defined Wood Product Manufacturing Equipment
45	25 00	Paper Manufacturing Equipment
	45 25 01	Operation and Maintenance of Paper Manufacturing Equipment
	45 25 06	Schedules for Paper Manufacturing Equipment
A E		15 26 99 User-Defined Paper Manufacturing Equipment
43	<b>27 00</b>	Printing and Related Manufacturing Equipment
	45 27 01	Operation and Maintenance of Printing and Related Manufacturing Equipment

	45 27 06 45 27 10 to 4	Schedules for Printing and Related Manufacturing Equipment  15 28 99 User-Defined Printing and Related Manufacturing Equipment
45	29 00	Petroleum and Coal Products Manufacturing
		Equipment
	45 29 01	Operation and Maintenance of Petroleum and Coal Products
	45 00 00	Manufacturing Equipment
	45 29 06 45 29 10 to 4	Schedules for Petroleum and Coal Products Manufacturing Equipment  15 30 99 User-Defined Petroleum and Coal Products Manufacturing
	40 29 10 10 4	Equipment
45	31 00	Chemical Manufacturing Equipment
	45 31 01	Operation and Maintenance of Chemical Manufacturing Equipment
	45 31 06	Schedules for Chemical Manufacturing Equipment
4 5		15 32 99 User-Defined Chemical Manufacturing Equipment
43	<b>33 00</b> 45 33 01	Plastics and Rubber Manufacturing Equipment Operation and Maintenance of Plastics and Rubber Manufacturing
	45 55 01	Equipment
	45 33 06	Schedules for Plastics and Rubber Manufacturing Equipment
	45 33 10 to 4	15 34 99 User-Defined Plastics and Rubber Manufacturing Equipment
45	35 00	Nonmetallic Mineral Product Manufacturing
		Equipment
	45 35 01	Operation and Maintenance of Nonmetallic Mineral Product Manufacturing
	45 35 06	Equipment Schedules for Nonmetallic Mineral Product Manufacturing Equipment
	45 35 10 to 4	• • • • • • • • • • • • • • • • • • • •
		Equipment
45	37 00	Primary Metal Manufacturing Equipment
	45 37 01	Operation and Maintenance of Primary Metal Manufacturing Equipment
	45 37 06	Schedules for Primary Metal Manufacturing Equipment
15	45 37 10 to 4 <b>39 00</b>	15 38 99 User-Defined Primary Metal Manufacturing Equipment  Fabricated Metal Product Manufacturing Equipment
43	45 39 01	Operation and Maintenance of Fabricated Metal Product Manufacturing
	40 00 01	Equipment
	45 39 06	Schedules for Fabricated Metal Product Manufacturing Equipment
		15 40 99 User-Defined Fabricated Metal Product Manufacturing Equipment
45	41 00	Machinery Manufacturing Equipment
	45 41 01	Operation and Maintenance of Machinery Manufacturing Equipment
	45 41 06	Schedules for Machinery Manufacturing Equipment  15 42 99 User-Defined Machinery Manufacturing Equipment
45	<b>43 00</b>	Computer and Electronic Product Manufacturing
70	40 00	Equipment
	45 43 01	Operation and Maintenance of Computer and Electronic Product
	10 10 01	Manufacturing Equipment
	45 43 06	Schedules for Computer and Electronic Product Manufacturing Equipment
	45 43 10 to 4	,
A E	4E 00	Equipment
45	45 00	Electrical Equipment, Appliance, and Component
		Manufacturing Equipment

	45 45 01	Operation and Maintenance of Electrical Equipment, Appliance, and Component Manufacturing Equipment
	45 45 06	Schedules for Electrical Equipment, Appliance, and Component
		Manufacturing Equipment
	45 45 10 to	45 46 99 User-Defined Electrical Equipment, Appliance, and Component
		Manufacturing Equipment
45	47 00	Transportation Manufacturing Equipment
	45 47 01	Operation and Maintenance of Transportation Manufacturing Equipment
	45 47 06	Schedules for Transportation Manufacturing Equipment
	45 47 10 to	45 48 99 User-Defined Transportation Manufacturing Equipment
45	49 00	Furniture and Related Product Manufacturing
		Equipment
	45 49 01	Operation and Maintenance of Furniture and Related Product
		Manufacturing Equipment
	45 49 06	Schedules for Furniture and Related Product Manufacturing Equipment
	45 49 10 to	45 50 99 User-Defined Furniture and Related Product Manufacturing
		Equipment
45	51 00	Other Manufacturing Equipment
	45 51 01	Operation and Maintenance of Other Manufacturing Equipment
	45 51 06	Schedules for Other Manufacturing Equipment
		45 52 99 User-Defined Other Manufacturing Equipment

46 00	00	Water and Wastewater Equipment
46 01	00	<b>Operation and Maintenance of Water and</b>
		Wastewater Equipment
46 0 46 0 46 0	1 20 1 30	Operation and Maintenance of Packaged Treatment Equipment Operation and Maintenance of Preliminary Treatment Equipment Operation and Maintenance of Chemical Feed Equipment
46 0 46 0 46 0 46 0	1 50 1 60	Operation and Maintenance of Clarification and Mixing Equipment Operation and Maintenance of Secondary Treatment Equipment Operation and Maintenance of Advanced Treatment Equipment Operation and Maintenance of Residuals Handling and Treatment
46 05	00	Common Work Results for Water and
		Wastewater Equipment
46 0	5 05	Selective Demolition for Water and Wastewater Equipment
46 06	00	Schedules for Water and Wastewater
		Equipment
46 0		Schedules for Packaged Treatment Equipment
46 00 46 00		Schedules for Chemical Food Equipment
46 0		Schedules for Chemical Feed Equipment Schedules for Clarification and Mixing Equipment
46 0		Schedules for Secondary Treatment Equipment
46 0		Schedules for Advanced Treatment Equipment
46 00 46 <b>07</b>		Schedules for Residuals Handling and Treatment
46 07	UU	Packaged Water and Wastewater
40.0		Treatment Equipment
46 0° 46 0°		Packaged Water Treatment Equipment Packaged Wastewater Treatment Equipment
46 08		Commissioning of Water and Wastewater
		Equipment
46 0	8 07	Commissioning of Packaged Treatment Equipment
46 0		Commissioning of Preliminary Treatment Equipment
46 0		Commissioning of Chemical Feed Equipment
46 08 46 08		Commissioning of Clarification and Mixing Equipment Commissioning of Secondary Treatment Equipment
46 0		Commissioning of Advanced Treatment Equipment
46 0		Commissioning of Residuals Handling and Treatment
46 20	00	Water and Wastewater Preliminary
		Treatment Equipment
46 21 00	0	Screening Equipment
46 2		Climber-type Bar Screens
46 2 46 2		Chain-and-Rake Bar Screens Flexible Rake Bar Screens
46 2		Catenary Bar Screens

46 21 19	Continuous Belt Screens
46 21 23	Cylindrical Bar Screens
46 21 26	Step Screens
46 21 33	Rotary Drum Screens
46 21 39	Spiral Screens
46 21 43	Band Screens
46 21 46	Disc Screens
46 21 51	Traveling Water Screens
46 21 53	Perforated Plate Screens
46 21 56	Wedge Wire Screens
46 21 57	Element Screens
46 21 71	Trash Raking Equipment
46 21 73	Screenings Washing and Compacting Equipment
46 21 76	Vacuum Screenings Conveying Equipment
46 21 79	Screenings Storage Containers
46 21 83	Septage Receiving Equipment
46 23 00	Grit Removal and Handling Equipment
46 23 13	Chain-and-Bucket Grit Removal Equipment
46 23 16	Chain-and-Flight Grit Removal Equipment
46 23 23	Vortex Grit Removal Equipment
46 23 27	Cyclone Degritters
46 23 33	Aerated Grit Removal Equipment
46 23 43	Inline Baffled Grit Removal Equipment
46 23 53	Traveling Bridge Grit Removal Equipment
46 23 63	Grit Classifying and Washing Equipment
46 23 66	Grit Storage Containers
46 24 00	Grinding and Shredding Equipment
46 24 13	Macerators
46 24 16	Comminutors
46 24 23	Inline Grinders
46 24 33	Open-channel Grinders
46 24 36	Modular Grinding-Screening-Compacting Equipment
46 25 00	Oil and Grease Separation and Removal Equipment
46 25 13	Coalescing Oil-Water Separators
46 25 16	API Oil-Water Separators
46 25 23	Grease Traps
46 25 33	Dissolved Air Flotation Grease and Oil Separation Equipment
46 25 41	Helical Scum Skimming and Removal Equipment
46 25 43	Tipping Trough Scum Skimming and Removal Equipment
46 25 46	Chain and Flight Scum Collection and Removal Equipment
46 25 47	Floating Scum Skimming and Removal Equipment
46 30 00	Water and Wastewater Chemical Feed
	Equipment
46 31 00	Gas Chemical Feed Equipment
46 31 11	Chlorine Gas Feed Equipment
46 31 13	Sulfur Dioxide Gas Feed Equipment
46 31 16	Ammonia Gas Feed Equipment
46 31 23	Gas Storage, Weighing, and Leak Detection Equipment

	46 31 26	Emergency Gas Treatment Systems
	46 31 33	Chlorine Dioxide Reactors
	46 31 43	Carbon Dioxide Gas Feed Equipment
	46 31 53	Ozone Generating and Feed Equipment
	46 31 56	Liquid Oxygen Storage and Feed Equipment
	46 31 59	Cleaning Requirements for Oxygen Service
	46 31 83	Gas Chemical Feed Accessories and Safety Equipment
46	33 00	Liquid Chemical Feed Equipment
	46 33 13	Sodium Hypochlorite Generating Equipment
	46 33 23	Liquid Chemical Weighing Equipment
	46 33 33	Polymer Blending and Feed Equipment
	46 33 41	Liquid Chemical Feed System Coordination and Integration
	46 33 42	Diaphragm-type Metering Pumps
	46 33 44	Peristaltic Metering Pumps
	46 33 46	Progressing Cavity Metering Pumps
	46 33 48	Lobe Metering Pumps
	46 33 53	Drum Pumps
	46 33 66	Liquid Chemical Transfer Pumps
	46 33 73	Liquid Chemical Diffusers
	46 33 83	Liquid Chemical Feed Accessories and Safety Equipment
46	36 00	Dry Chemical Feed Equipment
	46 36 11	Dry Chemical Feed System Coordination and Integration
	46 36 13	Storage Silos
	46 36 23	Dry Chemical Weighing Equipment
	46 36 33	Volumetric Feed Equipment
	46 36 36	Gravimetric Feed Equipment
	46 36 43	Lime Slaking Equipment
	46 36 53	Chemical Tablet Feeding Equipment
	46 36 83	Dry Chemical Feed Accessories and Safety Equipment
46	40 00	Water and Wastewater Clarification and
		Mixing Equipment
46	41 00	<u> </u>
46	<b>41 00</b> 46 41 11	Mixing Equipment Mixing Equipment Rapid Mixers
46		Mixing Equipment Rapid Mixers
46	46 41 11	Mixing Equipment
46	46 41 11 46 41 13	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers
46	46 41 11 46 41 13 46 41 16	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment
46	46 41 11 46 41 13 46 41 16 46 41 17	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27 46 41 29	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers Pin Mixers
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27 46 41 29 46 41 31	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers Pin Mixers Vertical Reel Flocculation Equipment
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27 46 41 29 46 41 31 46 41 33	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers Pin Mixers Vertical Reel Flocculation Equipment Horizontal Reel Flocculation Equipment
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27 46 41 29 46 41 31 46 41 33 46 41 34	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers Pin Mixers Vertical Reel Flocculation Equipment Horizontal Reel Flocculation Equipment Vertical Turbine Flocculation Equipment
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27 46 41 29 46 41 31 46 41 33 46 41 34 46 41 36	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers Paddle Mixers Pin Mixers Vertical Reel Flocculation Equipment Horizontal Reel Flocculation Equipment Vertical Turbine Flocculation Equipment Walking-beam Flocculation Equipment
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27 46 41 29 46 41 31 46 41 33 46 41 34 46 41 36 46 41 38	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers Pin Mixers Vertical Reel Flocculation Equipment Horizontal Reel Flocculation Equipment Vertical Turbine Flocculation Equipment Walking-beam Flocculation Equipment Horizontal Oscillating Flocculation Equipment
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27 46 41 29 46 41 31 46 41 33 46 41 34 46 41 38 46 41 41	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers Pin Mixers Vertical Reel Flocculation Equipment Horizontal Reel Flocculation Equipment Vertical Turbine Flocculation Equipment Walking-beam Flocculation Equipment Horizontal Oscillating Flocculation Equipment Top-entering Tank Mixers
46	46 41 11 46 41 13 46 41 16 46 41 17 46 41 21 46 41 23 46 41 26 46 41 27 46 41 29 46 41 31 46 41 33 46 41 34 46 41 36 46 41 38	Mixing Equipment Rapid Mixers Inline Blender-type Rapid Mixers Induction-type Rapid Mixing Equipment Inline Static Mixers Jet Mixing Equipment Submersible Mixers Floating Mechanical Mixers Paddle Mixers Pin Mixers Vertical Reel Flocculation Equipment Horizontal Reel Flocculation Equipment Vertical Turbine Flocculation Equipment Walking-beam Flocculation Equipment Horizontal Oscillating Flocculation Equipment

46 43 00	Clarifier Equipment
46 43 11	Chain-and-Flight Clarifier Equipment
46 43 14	Traveling Bridge Clarifier Equipment
46 43 16	Differential Head Clarifier Equipment
46 43 18	Oscillating Scraper-type Clarifier Equipment
46 43 21	Circular Clarifier Equipment
46 43 53	Solids Contact Clarifier Equipment
46 43 61	Flocculating Clarifier, Pulsating Sludge Blanket Type
46 43 63	Dissolved Air Flotation Equipment for Water Treatment
46 43 66	Ballasted High-rate Clarifier Equipment
46 43 67	High rate Clarification/Thickening Equipment
46 43 73	Tube Settlers
46 43 76	Inclined Plate Settlers
46 46 00	Sediment Removal Equipment
46 46 13	Tipping Sediment Flushing Tanks
46 46 16	Flushing Gates
46 46 23	Water Cannon
46 46 26	Nozzle Systems
46 50 00	Water and Wastewater Secondary
40 30 00	
	Treatment Equipment
46 51 00	Air and Gas Diffusion Equipment
46 51 11	Fixed Mechanical Aerators
46 51 13	Floating Mechanical Aerators
46 51 16	Submersible Aspirating Aerator Equipment
46 51 17	Jet Aeration Equipment
46 51 21	Coarse Bubble Diffusers
46 51 23	Swing-type Channel Aeration Equipment
46 51 26	Shear Box Diffusers
46 51 31	Flexible Membrane Tube Diffusers
46 51 33	Flexible Membrane Disc Diffusers
46 51 36	Ceramic Disc Fine Bubble Diffusers
46 51 43	Floating Membrane Diffusers
46 51 46	Membrane Diffusers
46 51 53	Cascading Aerators
46 51 63	Pure-oxygen Generating Equipment
46 53 00	Biological Treatment Systems
46 53 13	Rotating Biological Contactors
46 53 23	Trickling Filter Rotary Distributor Equipment
46 53 24	Trickling Filter Media
46 53 26	Bio-towers
46 53 33	Moving-bed Biological Reactors
46 53 36	Integrated Fixed-film Activated Sludge Equipment
46 53 41	Intermittent Sand Filters for Wastewater Treatment
46 53 43	Deep-bed Denitrification Filters
46 53 46	Biologically Activated Filters
46 53 49	Membrane Biological Reactors
46 53 53	Sequencing Batch Reactors
46 53 61	Oxidation Ditch Equipment

46 53 63 **Vertical Loop Reactors** 46 60 00 Water and Wastewater Advanced **Treatment Equipment Filtration Equipment** 46 61 00 46 61 13 Filter Media 46 61 16 Filter Surface Wash Agitators Filter Air Scour Equipment 46 61 17 46 61 19 Wash Water Troughs 46 61 21 Pressure Filters 46 61 23 **Gravity Filters** 46 61 26 High-rate Sand Filters 46 61 29 Traveling Bridge Filters Microfiltration and Ultrafiltration Membrane Equipment 46 61 33 46 61 41 Disc Cloth Filters 46 61 43 Rotary Drum Cloth Filters Automatic Backwash Cloth Filter Equipment 46 61 46 46 61 53 Cartridge Filters **Bag Filters** 46 61 63 46 61 73 **Automatic Straining Equipment** 46 63 00 **Demineralization Equipment** 46 63 11 Ion-exchange Vessel Media 46 63 13 Mixed Bed Ion-exchange Vessel Systems Packed Bed Ion-exchange Vessel Systems 46 63 16 Electrodialysis Reversal Equipment 46 63 17 46 63 23 Reverse-Osmosis and Nanofiltration Membrane Equipment Multiple-effect Distillation Equipment 46 63 31 Desalination Mechanical Vapor Compression Equipment 46 63 33 46 63 34 Desalination Thermal Vapor Compression Equipment 46 63 36 Desalination Multi-stage Flash Equipment Desalination Falling Film Evaporators 46 63 41 **Desalination Rising Film Evaporators** 46 63 43 Desalination Forced-circulation Crystallizing Equipment 46 63 53 Desalination Spray Dry Evaporation Equipment 46 63 63 Demineralization Energy Recovery Equipment 46 63 73 46 66 00 Ultraviolet Equipment 46 66 13 Closed-vessel Low-pressure/Low-intensity Ultraviolet Treatment Equipment Closed-vessel Low-pressure/High-intensity Ultraviolet Treatment 46 66 16 Equipment Closed-vessel Medium-pressure Ultraviolet Treatment Equipment 46 66 23 46 66 53 Open-channel Low-pressure/Low-intensity Ultraviolet Treatment Equipment Open-channel Low-pressure/High-intensity Ultraviolet Treatment 46 66 56 Equipment Open-channel Medium-pressure Ultraviolet Treatment Equipment 46 66 63 Water and Wastewater Residuals Handling 46 70 00 and Treatment

46 71 00	Residuals Thickening Equipment
46 71 13	Circular Gravity Thickeners
46 71 16	Gravity Belt Thickeners
46 71 23	Dissolved Air Flotation Thickening Equipment
46 71 33	Rotary Drum Thickening Equipment
46 71 36	Centrifuge Thickening Equipment
46 71 43	Disc Thickeners
46 71 46	Thickening Screw Press
46 71 53	Scum Concentrator Equipment
46 73 00	Residuals Stabilization
46 73 11	Radial Beam Fixed Digester Covers
46 73 12	Dual Deck Truss-type Fixed Digester Covers
46 73 14	Radial Beam Floating Digester Covers
46 73 16	Dual Deck Truss-type Floating Digester Covers
46 73 17	Radial Beam Floating Gas-holding Digester Covers
46 73 18	Dual Deck Truss-type Floating Gas-holding Digester Covers
46 73 19	Digester Appurtenances
46 73 21	Aerobic Digester Aeration Equipment
46 73 24	Autothermal Thermophilic Aerobic Digestion Equipment
46 73 26	Egg-shaped Digesters
46 73 31	External Draft Tube Digester Mixing System
46 73 32	Internal Draft Tube Digester Mixing System
46 73 33	Confined Gas Mixing System
46 73 34	Unconfined Gas Mixing System
46 73 41	Digester Heating Equipment
46 73 63	Residuals Pasteurization Equipment
46 76 00	Residuals Dewatering Equipment
46 76 13	Vacuum Filters
46 76 21	Belt Filter Presses
46 76 23	Plate-and-Frame Filter Presses
46 76 26	Rotary Presses
46 76 27	Screw Presses
46 76 33	Dewatering Centrifuges
46 76 53	Belt Dryers
46 76 60	Direct-heat Residuals Drying Equipment
46 76 70	Indirect-heat Residuals Drying Equipment
46 78 00	Thermal Treatment of Residuals
46 78 13	Multiple-hearth Sludge Incinerators
46 78 23	Fluidized-bed Sludge Incinerators
46 78 33	Ash Handling Equipment
46 78 41	Recuperative Air Preheating Equipment
46 78 46	Regenerative Thermal Oxidizers
46 78 47	Waste Heat Recovery Boilers
46 78 49	Waste Heat Recovery Heat Exchangers
46 78 73	Thermal Oxidation Equipment

48 00 00	Electrical Power Generation
48 01 00	Operation and Maintenance for Electrical Power
	Generation
48 01 10	Operation and Maintenance of Electrical Power Generation Equipment
48 01 70	Operation and Maintenance of Electrical Power Generation Testing
48 05 00	Common Work Results for Electrical Power
	Generation
48 05 05	Selective Demolition for Electrical Power Generation
48 06 00	Schedules for Electrical Power Generation
48 06 10	Schedules for Electrical Power Generation Equipment
48 06 70	Schedules for Electrical Power Generation Testing
48 08 00	Commissioning of Electrical Power Generation
48 09 00	Instrumentation and Control for Electrical Power
	Generation
48 10 00	Electrical Power Generation Equipment
48 11 00	Fossil Fuel Plant Electrical Power Generation
40 11 00	Equipment
48 11 13	Fossil Fuel Electrical Power Plant Boilers
48 11 16	Fossil Fuel Electrical Power Plant Condensers
48 11 19	Fossil Fuel Electrical Power Plant Steam Turbines
48 11 23	Fossil Fuel Electrical Power Plant Gas Turbines
48 11 26	Fossil Fuel Electrical Power Plant Generators
48 12 00	Nuclear Fuel Plant Electrical Power Generation
	Equipment
48 12 13	Nuclear Fuel Reactors
48 12 13.13 48 12 13.16	Nuclear Fuel Fission Reactors Nuclear Fuel Fusion Reactors
48 12 23	Nuclear Fuel Electrical Power Plant Steam Generators
48 12 26	Nuclear Fuel Electrical Power Plant Condensers
48 12 29	Nuclear Fuel Electrical Power Plant Turbines
48 12 33	Nuclear Fuel Electrical Power Generators
48 13 00	Hydroelectric Plant Electrical Power Generation
40.40.40	Equipment
48 13 13 48 13 16	Hydroelectric Power Plant Water Turbines Hydroelectric Power Plant Electrical Power Generators
48 14 00	•
48 14 13	Solar Energy Electrical Power Generation Equipment Solar Energy Collectors
48 14 13.13	Amorphous Solar Energy Collectors
48 14 13.16	Plate Cell Solar Energy Collectors
48 14 13.19	Vacuum Tube Solar Energy Collectors
48 15 00	Wind Energy Electrical Power Generation Equipment
48 15 13 48 15 16	Wind Turbines Wind Energy Electrical Power Generators
48 16 00	Geothermal Energy Electrical Power Generation
70 10 00	Equipment
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48 16 13	Geothermal Energy Heat Pumps
48 16 16	Geothermal Energy Condensers
48 16 19	Geothermal Energy Steam Turbines
48 16 23	Geothermal Energy Electrical Power Generators
48 17 00	Electrochemical Energy Electrical Power Generation
	Equipment
48 17 13	Electrical Power Generation Batteries
48 18 00	Fuel Cell Electrical Power Generation Equipment
48 18 13	Electrical Power Generation Fuel Cells
48 18 16	Hydrogen Control Equipment
48 19 00	Electrical Power Control Equipment
48 19 13	Electrical Power Generation Battery Charging Equipment
48 19 16	Electrical Power Generation Inverters
48 19 19	Electrical Power Generation Solar Tracking Equipment
48 19 23	Electrical Power Generation Transformers
48 19 26	Electrical Power Generation Voltage Regulators
48 70 00	Electrical Power Generation Testing
48 71 00	Electrical Power Generation Test Equipment
48 71 13	Electrical Power Generation Corona Test Equipment
48 71 16	Electrical Power Generation Current Test Equipment
48 71 19	Electrical Power Generation Power Test Equipment
48 71 23	Electrical Power Generation Resistance Test Equipment
48 71 26	Electrical Power Generation Voltage Test Equipment