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00 00 00  Procurement and Contracting Requirements

00 01 01  Project Title Page
00 01 05  Certifications Page
00 01 07  Seals Page
00 01 10  Table of Contents
00 01 15  List of Drawing Sheets
00 01 20  List of Schedules

00 10 00  Solicitation

00 11 00  Advertisements and Invitations
00 11 13  Advertisement for Bids
00 11 16  Invitation to Bid
00 11 19  Request for Proposal
00 11 53  Request for Qualifications

00 20 00  Instructions for Procurement

00 21 00  Instructions
00 21 13  Instructions to Bidders
00 21 16  Instructions to Proposers

00 22 00  Supplementary Instructions
00 22 13  Supplementary Instructions to Bidders
00 22 16  Supplementary Instructions to Proposers

00 23 00  Procurement Definitions

00 24 00  Procurement Scopes
00 24 13  Scopes of Bids
00 24 13.13  Scopes of Bids (Multiple Contracts)
00 24 13.16  Scopes of Bids (Multiple-Prime Contract)
00 24 16  Scopes of Proposals
00 24 16.13  Scopes of Proposals (Multiple Contracts)
00 24 16.16  Scopes of Proposals (Multiple-Prime Contract)

00 25 00  Procurement Meetings
00 25 13  Pre-Bid Meetings
00 25 16  Pre-Proposal Meetings

00 26 00  Procurement Substitution Procedures

00 30 00  Available Information

00 31 00  Available Project Information
00 31 13  Preliminary Schedules
00 31 13.13  Preliminary Project Schedule
00 31 13.16  Preliminary Construction Schedule
00 31 13.23  Preliminary Project Phases
00 31 13.26  Preliminary Project Sequencing
00 31 13.33  Preliminary Project Milestones
00 31 16  Project Budget Information
00 31 19  Existing Condition Information
00 31 19.13  Movement and Vibration Information
00 31 19.16  Acoustic Information
00 31 19.19  Traffic Information
00 31 19.23  Existing Structural Information
00 31 21  Survey Information
00 31 21.13  Site Survey Information
00 31 21.16  Measured Drawing Information
00 31 21.19  Photographic Information
00 31 24  Environmental Assessment Information
00 31 24.13  Soil Contamination Report
00 31 24.23  Environmental Impact Study Report
00 31 24.26  Environmental Impact Report Evaluation
00 31 24.29  Record of Environmental Impact Decision
00 31 24.33  Environmental Impact Mitigation Report
00 31 25  Existing Material Information
00 31 25.16  Existing Concrete Information
00 31 25.19  Existing Masonry Information
00 31 25.23  Existing Metals Information
00 31 25.26  Existing Wood, Plastics, and Composites Information
00 31 25.29  Existing Thermal and Moisture Protection Information
00 31 26  Existing Hazardous Material Information
00 31 26.23  Existing Asbestos Information
00 31 26.26  Existing Lead Information
00 31 26.29  Existing Polychlorinate Biphenyl Information
00 31 26.33  Existing Mold Information
00 31 26.36  Existing Hazardous Waste Drum Information
00 31 26.36  Existing Hazardous Waste Drum Information
00 31 31  Geophysical Data
00 31 31.13  Seismic Investigations Information
00 31 31.16  Gravity Investigations Information
00 31 31.19  Magnetic Investigations Information
00 31 31.23  Electromagnetic Investigations Information
00 31 31.26  Electrical Resistivity Investigations Information
00 31 31.29  Magnetotelluric Investigations Information
00 31 32  Geotechnical Data
00 31 32.13  Subsurface Drilling and Sampling Information
00 31 32.16  Material Testing Information
00 31 32.19  Exploratory Excavation Information
00 31 32.23  Geotechnical Monitoring Information
00 31 43  Permit Application
00 31 46  Permits

00 40 00  Procurement Forms and Supplements

00 41 00  Bid Forms
00 41 13  Bid Form – Stipulated Sum (Single-Prime Contract)
00 41 16  Bid Form – Stipulated Sum (Multiple-Prime Contract)
00 41 23  Bid Form – Construction Management (Single-Prime Contract)
00 41 26  Bid Form – Construction Management (Multiple-Prime Contract)
00 41 33  Bid Form – Cost-Plus-Fee (Single-Prime Contract)
00 41 36  Bid Form – Cost-Plus-Fee (Multiple-Prime Contract)
00 41 43  Bid Form – Unit Price (Single-Prime Contract)
00 41 46  Bid Form – Unit Price (Multiple-Prime Contract)
00 41 53  Bid Form – Design/Build (Single-Prime Contract)
00 41 56  Bid Form – Design/Build (Multiple-Prime Contract)
00 41 63  Bid Form – Purchase Contract

00 42 00  Proposal Forms
00 42 13  Proposal Form – Stipulated Sum (Single-Prime Contract)
00 42 16 Proposal Form – Stipulated Sum (Multiple-Prime Contract)
00 42 23 Proposal Form – Construction Management (Single-Prime Contract)
00 42 26 Proposal Form – Construction Management (Multiple-Prime Contract)
00 42 33 Proposal Form – Cost-Plus-Fee (Single-Prime Contract)
00 42 36 Proposal Form – Cost-Plus-Fee (Multiple-Prime Contract)
00 42 43 Proposal Form – Unit Price (Single-Prime Contract)
00 42 46 Proposal Form – Unit Price (Multiple-Prime Contract)
00 42 53 Proposal Form – Design/Build (Single-Prime Contract)
00 42 56 Proposal Form – Design/Build (Multiple-Prime Contract)
00 42 63 Proposal Form – Purchase Contract
00 42 73 Proposal Form – Performance Contract

00 43 00 Procurement Form Supplements

00 43 13 Bid Security Form
00 43 21 Allowance Form
00 43 22 Unit Prices Form
00 43 23 Alternates Form
00 43 25 Substitution Request Form (During Procurement)
00 43 26 Estimated Quantities Form
00 43 27 Separate Prices Break-Out Form
00 43 28 Tax Rebate Form
00 43 33 Proposed Products Form
00 43 36 Proposed Subcontractors Form
00 43 39 Minority Business Enterprise Statement of Intent Form
00 43 43 Wage Rates Form
00 43 73 Proposed Schedule of Values Form
00 43 83 Proposed Construction Schedule Form
00 43 86 Proposed Work Plan Schedule Form
00 43 93 Bid Submittal Checklist

00 45 00 Representations and Certifications

00 45 13 Bidder's Qualifications
00 45 16 Proposer's Qualifications
00 45 19 Non-Collusion Affidavit
00 45 23 Statement of Disposal Facility
00 45 26 Workers Compensation Certificate Schedule
00 45 33 Non-Segregated Facilities Affidavit
00 45 36 Equal Employment Opportunity Affidavit
00 45 39 Minority Business Enterprise Affidavit
00 45 43 Corporate Resolutions
00 45 46 Governmental Certifications

00 50 00 Contracting Forms and Supplements

00 51 00 Notice of Award

00 52 00 Agreement Forms

00 52 13 Agreement Form – Stipulated Sum (design/bid/build or design/negotiate/build)
00 52 14 Subcontract Form – Stipulated Sum (design/bid/build or design/negotiate/build)
00 52 16 Agreement Form – Cost-Plus (design/bid/build or design/negotiate/build)
00 52 17 Subcontract Form – Cost-Plus (design/bid/build or design/negotiate/build)
00 52 23  Agreement Form – Construction Manager as Agent or Advisor – Stipulated Sum
00 52 24  Subcontract Form – Construction Manager as Agent or Adviser – Stipulated Sum
00 52 26  Agreement Form – Construction Manager as Agent or Adviser – Cost-Plus
00 52 27  Subcontract Form – Construction Manager as Agent or Adviser – Cost-Plus
00 52 33  Agreement Form – Construction Manager at Risk – Stipulated Sum
00 52 34  Subcontract Form – Construction Manager at Risk – Stipulated Sum
00 52 36  Agreement Form – Construction Manager at Risk – Cost-Plus
00 52 37  Subcontract Form – Construction Manager at Risk – Cost-Plus
00 52 51  Public-Private Partnership Agreement
00 52 52  Agreement for Preliminary Services – Owner-Design/Builder
00 52 53  Agreement Form – Owner-Design/Builder – Stipulated Sum
00 52 54  Subcontract Form – Design/Build – Stipulated Sum
00 52 56  Agreement Form – Owner-Design/Builder – Cost-Plus
00 52 57  Subcontract Form – Design/Build – Cost-Plus
00 52 63  Agreement Form – Purchase – Stipulated Price
00 52 73  Agreement Form – Performance Contract
00 52 93  Multi-Party Agreement Form – Integrated Project Delivery
00 52 96  Agreement between Single-Purpose Entity and Owner – Integrated Project Delivery
00 52 97  Agreement between Single-Purpose Entity and Non-Owner – Integrated Project Delivery
00 52 98  Agreement between Single-Purpose Entity and Consultant – Integrated Project Delivery

00 54 00  Agreement Form Supplements
  00 54 13  Supplementary Scope Statement
  00 54 21  Allowances Schedule
  00 54 22  Unit Prices Schedule
  00 54 33  Digital/Electronic Data Protocol Exhibit
  00 54 36  Building Information Modeling Exhibit

00 55 00  Notice to Proceed

00 60 00  Project Forms

00 61 00  Bond Forms
  00 61 13  Performance and Payment Bond Form
  00 61 13.13  Performance Bond Form
  00 61 13.16  Payment Bond Form
  00 61 16  Lien Bond Form
  00 61 19  Maintenance Bond Form
  00 61 23  Retainage Bond Form
  00 61 26  Special Bond Form

00 62 00  Certificates and Other Forms
  00 62 11  Submittal Transmittal Form
  00 62 16  Certificate of Insurance Form
  00 62 19  Infection Control Form
  00 62 23  Construction Waste Diversion Form
  00 62 33  Products Form
  00 62 34  Recycled Content of Materials Form
00 62 39 Minority Business Enterprise Certification Form
00 62 73 Schedule of Values Form
00 62 76 Application for Payment Form
00 62 76.13 Sales Tax Form
00 62 76.16 Consent of Surety to Reduction of Retainage Form
00 62 79 Stored Material Form
00 62 83 Construction Schedule Form
00 62 86 Work Plan Schedule Form
00 62 89 Construction Equipment Form
00 63 00 Clarification and Modification Forms
00 63 13 Request for Interpretation Form
00 63 19 Clarification Form
00 63 25 Substitution Request Form (During Construction)
00 63 33 Supplemental Instruction Form
00 63 36 Field Order Form
00 63 43 Written Amendment Form
00 63 46 Construction Change Directive Form
00 63 49 Work Change Directive Form
00 63 53 Request for Proposal Form
00 63 54 Proposal Worksheet Summary Form
00 63 55 Proposal Worksheet Detail Form
00 63 57 Change Order Request Form
00 63 63 Change Order Form
00 65 00 Closeout Forms
00 65 13 Certificate of Compliance Form
00 65 16 Certificate of Substantial Completion Form
00 65 19 Certificate of Completion Form
00 65 19.13 Affidavit of Payment of Debts and Claims Form
00 65 19.16 Affidavit of Release of Liens Form
00 65 19.19 Consent of Surety to Final Payment Form
00 65 19.23 Acceptance Certificate Form
00 65 19.26 Final Settlement Certificate Form
00 65 36 Warranty Form
00 65 73 Statutory Declaration Form
00 70 00 Conditions of the Contract
00 71 00 Contracting Definitions
00 72 00 General Conditions
00 72 13 General Conditions – Stipulated Sum (Single-Prime Contract)
00 72 16 General Conditions – Stipulated Sum (Multiple-Prime Contract)
00 72 23 General Conditions – Construction Management (Single-Prime Contract)
00 72 26 General Conditions – Construction Management (Multiple-Prime Contract)
00 72 33 General Conditions – Cost Plus-Fee (Single-Prime Contract)
00 72 36 General Conditions – Cost-Plus-Fee (Multiple-Prime Contract)
00 72 43 General Conditions – Unit Price (Single-Prime Contract)
00 72 46 General Conditions – Unit Price (Multiple-Prime Contract)
00 72 53 General Conditions – Design/Build (Single-Prime Contract)
00 72 56 General Conditions – Design/Build (Multiple-Prime Contract)
00 72 73 General Conditions – Performance Contract
00 72 95 General Conditions – Integrated Project Delivery
<table>
<thead>
<tr>
<th>00 73 00</th>
<th><strong>Supplementary Conditions</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>00 73 16</td>
<td>Insurance Requirements</td>
</tr>
<tr>
<td>00 73 19</td>
<td>Health and Safety Requirements</td>
</tr>
<tr>
<td>00 73 23</td>
<td>Purchase Contracts</td>
</tr>
<tr>
<td>00 73 26</td>
<td>Assigned Contracts</td>
</tr>
<tr>
<td>00 73 33</td>
<td>Non-Segregated Facilities Requirements</td>
</tr>
<tr>
<td>00 73 36</td>
<td>Equal Employment Opportunity Requirements</td>
</tr>
<tr>
<td>00 73 39</td>
<td>Minority Business Enterprise Requirements</td>
</tr>
<tr>
<td>00 73 43</td>
<td>Wage Rate Requirements</td>
</tr>
<tr>
<td>00 73 46</td>
<td>Wage Determination Schedule</td>
</tr>
<tr>
<td>00 73 49</td>
<td>Labor Stabilization Agreement</td>
</tr>
<tr>
<td>00 73 53</td>
<td>Anti-Pollution Measures</td>
</tr>
<tr>
<td>00 73 63</td>
<td>Security Requirements</td>
</tr>
<tr>
<td>00 73 73</td>
<td>Statutory Requirements</td>
</tr>
<tr>
<td>00 73 83</td>
<td>Dispute Resolution</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>00 90 00</th>
<th><strong>Revisions, Clarifications, and Modifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>00 91 00</td>
<td><strong>Precontract Revisions</strong></td>
</tr>
<tr>
<td>00 91 13</td>
<td>Addenda</td>
</tr>
<tr>
<td>00 91 16</td>
<td>Bid Revisions</td>
</tr>
<tr>
<td>00 91 19</td>
<td>Proposal Revisions</td>
</tr>
<tr>
<td>00 93 00</td>
<td><strong>Record Clarifications and Proposals</strong></td>
</tr>
<tr>
<td>00 93 13</td>
<td>Record Requests for Interpretation</td>
</tr>
<tr>
<td>00 93 19</td>
<td>Record Clarification Notices</td>
</tr>
<tr>
<td>00 93 53</td>
<td>Record Proposal Requests</td>
</tr>
<tr>
<td>00 93 54</td>
<td>Record Proposal Worksheet Summaries</td>
</tr>
<tr>
<td>00 93 57</td>
<td>Record Change Order Requests</td>
</tr>
<tr>
<td>00 94 00</td>
<td><strong>Record Modifications</strong></td>
</tr>
<tr>
<td>00 94 33</td>
<td>Record Minor Changes in the Work</td>
</tr>
<tr>
<td>00 94 36</td>
<td>Record Supplemental Instructions</td>
</tr>
<tr>
<td>00 94 39</td>
<td>Record Field Orders</td>
</tr>
<tr>
<td>00 94 43</td>
<td>Record Amendments</td>
</tr>
<tr>
<td>00 94 46</td>
<td>Record Construction Change Directives</td>
</tr>
<tr>
<td>00 94 49</td>
<td>Record Work Change Directives</td>
</tr>
<tr>
<td>00 94 63</td>
<td>Record Change Orders</td>
</tr>
</tbody>
</table>
01 00 00  General Requirements

01 10 00  Summary

01 11 00  Summary of Work
  01 11 13  Work Covered by Contract Documents
  01 11 16  Work by Owner
  01 11 19  Purchase Contracts

01 12 00  Multiple Contract Summary
  01 12 13  Summary of Contracts
  01 12 16  Work Sequence
  01 12 19  Contract Interface

01 14 00  Work Restrictions
  01 14 13  Access to Site
  01 14 16  Coordination with Occupants
  01 14 19  Use of Site
  01 14 33  Work in Rights-of-Way

01 18 00  Project Utility Sources
  01 18 13  Utility Service Connections

01 20 00  Price and Payment Procedures

01 21 00  Allowances
  01 21 13  Cash Allowances
  01 21 16  Contingency Allowances
  01 21 19  Testing and Inspecting Allowances
  01 21 23  Installation Allowances
  01 21 26  Product Allowances
  01 21 29  Quantity Allowances
  01 21 43  Time Allowances

01 22 00  Unit Prices
  01 22 13  Unit Price Measurement
  01 22 16  Unit Price Payment

01 23 00  Alternates

01 24 00  Value Analysis
  01 24 13  Value Engineering

01 25 00  Substitution Procedures
  01 25 13  Product Substitution Procedures
  01 25 16  Execution Substitution Procedures

01 26 00  Contract Modification Procedures
  01 26 13  Requests for Interpretation
  01 26 19  Clarification Notices
  01 26 33  Minor Changes in the Work
  01 26 36  Supplemental Instructions
  01 26 39  Field Orders
  01 26 43  Amendments
  01 26 46  Construction Change Directives
  01 26 49  Work Change Directives
  01 26 53  Proposal Requests
  01 26 54  Proposal Worksheet Summaries
01 26 57  Change Order Requests
01 26 63  Change Orders

01 29 00  Payment Procedures
  01 29 73  Schedule of Values
  01 29 76  Progress Payment Procedures
  01 29 83  Payment Procedures for Testing Laboratory Services

01 30 00  Administrative Requirements

01 31 00  Project Management and Coordination
  01 31 13  Project Coordination
  01 31 14  Facility Services Coordination
  01 31 16  Multiple Contract Coordination
  01 31 19  Project Meetings
  01 31 19.13  Preconstruction Meetings
  01 31 19.16  Site Mobilization Meetings
  01 31 19.23  Progress Meetings
  01 31 19.33  Preinstallation Meetings
  01 31 23  Project Web Site
  01 31 26  Electronic Communication Protocols

01 32 00  Construction Progress Documentation
  01 32 13  Scheduling of Work
  01 32 16  Construction Progress Schedule
  01 32 16.13  Network Analysis Schedules
  01 32 19  Submittals Schedule
  01 32 23  Survey and Layout Data
  01 32 26  Construction Progress Reporting
  01 32 29  Periodic Work Observation
  01 32 33  Photographic Documentation
  01 32 36  Video Monitoring and Documentation
  01 32 43  Purchase Order Tracking

01 33 00  Submittal Procedures
  01 33 13  Certificates
  01 33 16  Design Data
  01 33 19  Field Test Reporting
  01 33 23  Shop Drawings, Product Data, and Samples
  01 33 26  Source Quality Control Reporting
  01 33 29  Sustainable Design Reporting
  01 33 29.01  Material Cost Summary Form
  01 33 29.02  Wood-Containing Product List
  01 33 29.03  Metal-Containing Product List
  01 33 29.04  Material Content Form
  01 33 29.05  New Product Source Form
  01 33 29.06  Reused Product Form
  01 33 29.07  Prohibited Content Installer Certification

01 35 00  Special Procedures
  01 35 03  Conservation Treatment Procedures
  01 35 13  Special Project Procedures
  01 35 13.13  Special Project Procedures for Airport Facilities
  01 35 13.16  Special Project Procedures for Detention Facilities
  01 35 13.19  Special Project Procedures for Healthcare Facilities
  01 35 13.26  Special Project Procedures for Clean Rooms
01 35 13.43 Special Project Procedures for Contaminated Sites
01 35 16 Alteration Project Procedures
01 35 23 Owner Safety Requirements
01 35 26 Governmental Safety Requirements
01 35 29 Health, Safety, and Emergency Response Procedures
01 35 29.13 Health, Safety, and Emergency Response Procedures for Contaminated Sites
01 35 33 Infection Control Procedures
01 35 43 Environmental Procedures
01 35 43.13 Environmental Procedures for Hazardous Materials
01 35 43.16 Environmental Procedures for Toxic Materials
01 35 46 Indoor Air Quality Procedures
01 35 53 Security Procedures
01 35 63 Sustainability Certification Project Requirements
01 35 66 Sustainability Certification Project Procedures
01 35 91 Period Treatment Procedures

01 40 00 Quality Requirements

01 41 00 Regulatory Requirements
01 41 13 Codes
01 41 16 Laws
01 41 19 Rules
01 41 23 Fees
01 41 26 Permit Requirements

01 42 00 References
01 42 13 Abbreviations and Acronyms
01 42 16 Definitions
01 42 19 Reference Standards

01 43 00 Quality Assurance
01 43 13 Manufacturer Qualifications
01 43 16 Supplier Qualifications
01 43 19 Fabricator Qualifications
01 43 23 Installer Qualifications
01 43 26 Testing and Inspecting Agency Qualifications
01 43 29 Code-Required Special Inspector Qualifications
01 43 33 Manufacturer’s Field Services
01 43 36 Field Samples
01 43 39 Mockups

01 45 00 Quality Control
01 45 13 Source Quality Control Procedures
01 45 16 Field Quality Control Procedures
01 45 16.13 Contractor Quality Control
01 45 23 Testing and Inspecting Services
01 45 26 Plant Inspection Procedures
01 45 29 Testing Laboratory Services
01 45 33 Code-Required Special Inspections and Procedures

01 50 00 Temporary Facilities and Controls

01 51 00 Temporary Utilities
01 51 13 Temporary Electricity
01 51 16 Temporary Fire Protection
01 51 19 Temporary Fuel Oil
01 51 23  Temporary Heating, Cooling, and Ventilating
01 51 26  Temporary Lighting
01 51 29  Temporary Natural-Gas
01 51 33  Temporary Telecommunications
01 51 36  Temporary Water

01 52 00  Construction Facilities
  01 52 13  Field Offices and Sheds
  01 52 16  First Aid Facilities
  01 52 19  Sanitary Facilities

01 53 00  Temporary Construction
  01 53 13  Temporary Bridges
  01 53 16  Temporary Decking
  01 53 19  Temporary Overpasses
  01 53 23  Temporary Ramps
  01 53 26  Temporary Runarounds

01 54 00  Construction Aids
  01 54 13  Temporary Elevators
  01 54 16  Temporary Hoists
  01 54 19  Temporary Cranes
  01 54 23  Temporary Scaffolding and Platforms
  01 54 26  Temporary Swing Staging

01 55 00  Vehicular Access and Parking
  01 55 13  Temporary Access Roads
  01 55 16  Haul Routes
  01 55 19  Temporary Parking Areas
  01 55 23  Temporary Roads
  01 55 26  Traffic Control
  01 55 29  Staging Areas

01 56 00  Temporary Barriers and Enclosures
  01 56 13  Temporary Air Barriers
  01 56 16  Temporary Dust Barriers
  01 56 19  Temporary Noise Barriers
  01 56 23  Temporary Barricades
  01 56 26  Temporary Fencing
  01 56 29  Temporary Protective Walkways
  01 56 33  Temporary Security Barriers
  01 56 36  Temporary Security Enclosures
  01 56 39  Temporary Tree and Plant Protection

01 57 00  Temporary Controls
  01 57 13  Temporary Erosion and Sediment Control
  01 57 16  Temporary Pest Control
  01 57 19  Temporary Environmental Controls
  01 57 23  Temporary Storm Water Pollution Control
  01 57 26  Site Watering for Dust Control

01 58 00  Project Identification
  01 58 13  Temporary Project Signage
  01 58 16  Temporary Interior Signage

01 60 00  Product Requirements
01 61 00  Common Product Requirements
   01 61 13  Software Licensing Requirements

01 62 00  Product Options

01 64 00  Owner-Furnished Products

01 65 00  Product Delivery Requirements

01 66 00  Product Storage and Handling Requirements
   01 66 13  Product Storage and Handling Requirements for Hazardous Materials
   01 66 16  Product Storage and Handling Requirements for Toxic Materials

01 70 00  Execution and Closeout Requirements

01 71 00  Examination and Preparation
   01 71 13  Mobilization
   01 71 16  Acceptance of Conditions
   01 71 23  Field Engineering
   01 71 23.13  Construction Layout
   01 71 23.16  Construction Surveying
   01 71 33  Protection of Adjacent Construction
   01 71 36  Non-Destructive Concrete Examination

01 73 00  Execution
   01 73 13  Application
   01 73 16  Erection
   01 73 19  Installation
   01 73 23  Bracing and Anchoring
   01 73 26  Existing Products
   01 73 29  Cutting and Patching

01 74 00  Cleaning and Waste Management
   01 74 13  Progress Cleaning
   01 74 16  Site Maintenance
   01 74 19  Construction Waste Management and Disposal
   01 74 23  Final Cleaning

01 75 00  Starting and Adjusting
   01 75 13  Checkout Procedures
   01 75 16  Startup Procedures

01 76 00  Protecting Installed Construction

01 77 00  Closeout Procedures
   01 77 13  Preliminary Closeout Reviews
   01 77 16  Final Closeout Review
   01 77 19  Closeout Requirements

01 78 00  Closeout Submittals
   01 78 13  Completion and Correction List
   01 78 19  Maintenance Contracts
   01 78 23  Operation and Maintenance Data
   01 78 23.13  Operation Data
   01 78 23.16  Maintenance Data
   01 78 23.19  Preventative Maintenance Instructions
   01 78 29  Final Site Survey
   01 78 33  Bonds
   01 78 36  Warranties
01 78 39 Project Record Documents
01 78 43 Spare Parts
01 78 46 Extra Stock Materials
01 78 53 Sustainable Design Closeout Documentation

01 79 00 Demonstration and Training

01 80 00 Performance Requirements
01 81 00 Facility Performance Requirements
  01 81 13 Sustainable Design Requirements
  01 81 16 Facility Environmental Requirements
  01 81 19 Indoor Air Quality Requirements
01 82 00 Facility Substructure Performance Requirements
  01 82 13 Foundation Performance Requirements
  01 82 16 Basement Construction Performance Requirements
01 83 00 Facility Shell Performance Requirements
  01 83 13 Superstructure Performance Requirements
  01 83 16 Exterior Enclosure Performance Requirements
  01 83 19 Roofing Performance Requirements
01 84 00 Interiors Performance Requirements
  01 84 13 Interior Construction Performance Requirements
  01 84 16 Stairways Performance Requirements
  01 84 19 Interior Finishes Performance Requirements
01 85 00 Conveying Equipment Performance Requirements
01 86 00 Facility Services Performance Requirements
  01 86 13 Fire Suppression Performance Requirements
  01 86 16 Plumbing Performance Requirements
  01 86 19 HVAC Performance Requirements
  01 86 23 Integrated Automation Performance Requirements
  01 86 26 Electrical Performance Requirements
  01 86 29 Communications Performance Requirements
  01 86 33 Electronic Safety and Security Performance Requirements
01 87 00 Equipment and Furnishings Performance Requirements
  01 87 13 Equipment Performance Requirements
  01 87 16 Furnishings Performance Requirements
01 88 00 Other Facility Construction Performance Requirements
  01 88 13 Special Construction Performance Requirements
  01 88 16 Selective Construction Performance Requirements
01 89 00 Site Construction Performance Requirements
  01 89 13 Site Preparation Performance Requirements
  01 89 16 Site Improvements Performance Requirements
  01 89 19 Site Plumbing Utilities Performance Requirements
  01 89 23 Site HVAC Utilities Performance Requirements
  01 89 26 Site Electrical Utilities Performance Requirements
  01 89 29 Other Site Construction Performance Requirements

01 90 00 Life Cycle Activities
01 91 00  Commissioning
   01 91 13  General Commissioning Requirements
   01 91 16  Facility Substructure Commissioning
   01 91 16.13  Foundation Commissioning
   01 91 16.53  Basement Construction Commissioning
   01 91 19  Facility Shell Commissioning
   01 91 19.13  Superstructure Commissioning
   01 91 19.43  Exterior Enclosure Commissioning
   01 91 19.73  Roofing Commissioning
   01 91 23  Interiors Commissioning
   01 91 23.13  Interior Construction Commissioning
   01 91 23.43  Stairways Commissioning
   01 91 23.73  Interior Finishes Commissioning

01 92 00  Facility Operation
   01 92 13  Facility Operation Procedures

01 93 00  Facility Maintenance
   01 93 13  Facility Maintenance Procedures
   01 93 16  Recycling Programs

01 94 00  Facility Decommissioning
   01 94 13  Facility Decommissioning Procedures
02 00 00 Existing Conditions
02 01 00 Maintenance of Existing Conditions
  02 01 50 Maintenance of Site Remediation
  02 01 65 Maintenance of Underground Storage Tank Removal
  02 01 80 Maintenance of Facility Remediation
  02 01 86 Maintenance of Hazardous Waste Drum Handling
02 03 00 Conservation Treatment for Existing Period Conditions
  02 03 01 Maintenance of Existing Period Conditions
  02 03 01.19 Mothballing Period Structures
  02 03 41 Selective Demolition for Period Structures
  02 03 42 Removal and Salvage of Period Construction Materials
  02 03 43 Period Structure Relocating
  02 03 44 Shoring and Support of Period Structures
02 05 00 Common Work Results for Existing Conditions
  02 05 19 Geosynthetics for Existing Conditions
  02 05 19.13 Geotextiles for Existing Conditions
  02 05 19.16 Geomembranes for Existing Conditions
  02 05 19.19 Geogrids for Existing Conditions
02 06 00 Schedules for Existing Conditions
  02 06 13 Geotechnical Baseline Report
  02 06 30 Schedules for Subsurface Investigations
  02 06 30.13 Boring or Test Pit Log Schedule
  02 06 50 Schedules for Site Remediation
  02 06 65 Schedules for Underground Storage Tank Removal
  02 06 80 Schedules for Facility Remediation
  02 06 86 Schedules for Hazardous Waste Drum Handling
02 08 00 Commissioning of Existing Conditions
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 Archeological and Historic Surveys
  02 21 16 Measured Drawings
02 22 00 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 Water Assessment
  02 24 13.73 Land Assessment
  02 24 23 Chemical Sampling and Analysis of Soils
  02 24 43 Transboundary and Global Environmental Aspects Assessment
02 25 00 Existing 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 23 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 Geotechnical Monitoring Before Construction
02 32 23.13 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 Building Demolition
02 41 16.23 Tower Demolition
02 41 16.33 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  Surface Removal Decontamination
   02 51 33.13 Surface Removal Decontamination by Grinding
   02 51 33.16 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  Bioremediation Decontamination
   02 54 19.13 Bioremediation Using Landfarming
   02 54 19.16 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 Sinkhole Remediation by Compaction Grouting
   02 57 13.16 Sinkhole Remediation by Cap Grouting
   02 57 16  Sinkhole Remediation by Backfilling
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 Precautions for Asbestos Abatement
  02 82 13.19 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 Removal and Disposal of Material Containing Lead
  02 83 33.13 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
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  Cleaning of Cast-in-Place Concrete
  03 01 30.61  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  Rehabilitation of Precast Concrete
  03 01 40.72  Strengthening of Precast Concrete
  03 01 50  Maintenance of Cast Decks and Underlayment
  03 01 50.51  Cleaning of 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  Schedules for Concrete Reinforcing
  03 06 20.13  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  Concrete Shaft Schedule
  03 06 30.26  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  Concrete Forming and Accessories

03 11 00  Concrete Forming
03 11 13 Structural Cast-in-Place Concrete Forming
03 11 13.13 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 Expanding Waterstops
03 15 13.19 Combination Expanding and Injection Hose Waterstops
03 15 13.21 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 Organic Fiber-Reinforced Polymer Reinforcement Bars
03 21 21.16 Carbon Fiber-Reinforced Polymer Reinforcement Bars

03 22 00 Fabric and Grid Reinforcing
03 22 13 Galvanized Welded Wire Fabric Reinforcing
03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing
03 22 19 Composite Grid Reinforcing

03 23 00 Stressed Tendon Reinforcing

03 24 00 Fibrous Reinforcing

03 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
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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 Stone Cleaning
  04 01 40.91 Stone Restoration
  04 01 50 Maintenance of Refractory Masonry
  04 01 60 Maintenance of Corrosion-Resistant Masonry
  04 01 70 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 Period Masonry Mortaring
  04 03 05.16 Period Masonry Grouting
  04 03 05.19 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 Masonry Restoration Mortaring
  04 05 16 Masonry Grouting
  04 05 16.16 Chemical-Resistant Masonry Grouting
  04 05 16.26 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  Schedules for Unit Masonry
04 06 20.13  Masonry Unit Schedule
04 06 40  Schedules for Stone Assemblies
04 06 50  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  Ceramic Glazed Clay Masonry
04 21 19  Clay Tile Masonry
04 21 23  Structural Clay Tile Masonry
04 21 26  Glazed Structural Clay Tile Masonry
04 21 29  Terra Cotta Masonry

04 22 00  Concrete Unit Masonry
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  Exposed Aggregate Concrete Unit Masonry
04 22 23.16  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  Split-Face Concrete Unit Masonry
04 22 26  Autoclaved Aerated Concrete Unit Masonry
04 22 33  Interlocking Concrete Unit Masonry

04 23 00  Glass Unit Masonry
04 23 13  Vertical Glass Unit Masonry
04 23 16  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  Concrete Form Masonry Units
04 28 13  Dry-Stacked, Concrete-Filled Masonry Units
04 28 23  Mortar-Set, Concrete-Filled Masonry Units

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       05 01 20  Maintenance of Metal Joists
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       05 03 12.13 Conservation Treatment for Period Architecturally Exposed Steel
       05 03 12.23 Conservation Treatment for Period Structural Steel for Buildings
       05 03 51  Conservation Treatment for Period Metal Stairs
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  05 51 33.13 Vertical Metal Ladders  
  05 51 33.16 Inclined Metal Ladders  
  05 51 33.23 Alternating Tread Ladders  
  05 51 36    Metal Walkways  
  05 51 36.13 Metal Catwalks  
  05 51 36.16 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    Metal Stair Treads and Nosings  
  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    Decorative Metal Stairs  
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05 73 00    Decorative Metal Railings  
  05 73 13    Glazed Decorative Metal Railings  
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05 74 00    Decorative Metal Castings  
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  06 01 10  Maintenance of Rough Carpentry
  06 01 10.71 Rough Carpentry Rehabilitation
  06 01 10.91 Rough Carpentry Restoration
  06 01 10.92 Rough Carpentry Preservation
  06 01 20  Maintenance of Finish Carpentry
  06 01 20.71 Finish Carpentry Rehabilitation
  06 01 20.91 Finish Carpentry Restoration
  06 01 20.92 Finish Carpentry Preservation
  06 01 40  Maintenance of Architectural Woodwork
  06 01 40.51 Architectural Woodwork Cleaning
  06 01 40.61 Architectural Woodwork Refinishing
  06 01 40.91 Architectural Woodwork Restoration
  06 01 50  Maintenance of Structural Plastics
  06 01 60  Maintenance of Plastic Fabrications
  06 01 60.51 Plastic Cleaning
  06 01 60.71 Plastic Rehabilitation
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  06 01 70  Maintenance of Structural Composites
  06 01 80  Maintenance of Composite Assemblies
  06 01 80.51 Composite Cleaning
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06 03 00  Conservation Treatment for Period Wood
  06 03 01  Maintenance for Period Wood
  06 03 01.31 Period Wood Storage and Protection
  06 03 05  Common Work Results for Period Wood
  06 03 05.73 Long-term Period Wood Treatment
  06 03 05.74 Eradication of Insects in Period Wood
  06 03 05.75 Antiseptic Treatment of Period Wood
  06 03 13  Conservation Treatment of Period Log Construction
  06 03 13.23 Conservation Treatment for Period Heavy Timber
  06 03 20  Conservation Treatment for Period Finish Carpentry
  06 03 20.13 Period Exterior Finish Carpentry
  06 03 20.23 Period Interior Finish Carpentry
  06 03 40  Conservation Treatment for Period Architectural Woodwork
  06 03 40.13 Period Exterior Architectural Woodwork
  06 03 40.23 Period Interior Architectural Woodwork

06 05 00  Common Work Results for Wood, Plastics, and Composites
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  06 05 73  Wood Treatment
  06 05 73.13 Fire-Retardant Wood Treatment
  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
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    06 06 10.23  Plywood Web Joist Schedule
    06 06 10.26  Wood Truss Schedule
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07 00 00 Thermal and Moisture Protection

07 01 00 Operation and Maintenance of Thermal and Moisture Protection

07 01 10 Maintenance of Dampproofing and Waterproofing
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
07 01 50 Maintenance of Membrane Roofing
07 01 50.13 Roof Moisture Survey
07 01 50.16 Roof Maintenance Program
07 01 50.19 Preparation for Re-Roofing
07 01 50.23 Roof Removal
07 01 50.61 Roof Re-Coating
07 01 50.81 Roof Replacement
07 01 50.91 Roofing Restoration
07 01 60 Maintenance of Flashing and Sheet Metal
07 01 60.71 Flashing and Sheet Metal Rehabilitation
07 01 60.91 Flashing and Sheet Metal Restoration
07 01 60.92 Flashing and Sheet Metal Preservation
07 01 70 Operation and Maintenance of Roof Specialties and Accessories
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
07 03 30.13 Conservation Treatment for Period Canvas Roofing
07 03 30.16 Conservation Treatment for Period Board Roofing
07 03 31 Conservation Treatment for Period Shingles and Shakes
07 03 31.16 Conservation Treatment for Period Metal Shingles
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
07 03 32.13 Conservation Treatment for Period Clay Roof Tiles
07 03 32.16 Conservation Treatment for Period Concrete Roof Tiles
07 03 32.19 Conservation Treatment for Period Metal Roof Tiles
07 03 33 Conservation Treatment for Period Natural Roof Coverings
07 03 33.13 Conservation Treatment for Period Sod Roofing
07 03 40 Conservation Treatment for Period Roofing and Siding Panels
07 03 41 Conservative Treatment for Period Roof Panels
07 03 41.13 Conservation Treatment for Period Metal Roof Panels
07 03 41.23 Conservation Treatment for Period Wood Roof Panels
07 03 46 Conservation Treatment for Period Wood Siding
07 03 60 Conservation Treatment of Period Flashing and Sheet Metal
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

07 05 00 Common Work Results for Thermal and Moisture 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 Damp proofing 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 Schedules for Roof Specialties and Accessories
07 06 80 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 10 00 Damp proofing and Waterproofing

07 11 00 Damp proofing
07 11 13 Bituminous Damp proofing
07 11 16 Cementitious Damp proofing
07 11 19 Sheet Damp proofing

07 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 13 54 Thermoplastic Sheet Waterproofing

07 14 00 Fluid-Applied Waterproofing
07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing
07 14 14 Hot Fluid-Applied Polyurea Waterproofing
07 14 16 Cold Fluid-Applied Waterproofing

07 15 00 Sheet Metal Waterproofing
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

07 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  Acrylic Water Repellents
07 19 16  Silane Water Repellents
07 19 19  Silicone Water Repellents
07 19 23  Siloxane Water Repellents
07 19 26  Stearate Water Repellents

07 20 00  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 Mineral Board Insulation
  07 21 16  Blanket Insulation
  07 21 19  Foamed-In-Place Insulation
  07 21 19.13 Aminoplast Foam Insulation
  07 21 19.16 Polyurethane Foam Insulation
  07 21 23  Loose-Fill Insulation
  07 21 26  Blown Insulation
  07 21 29  Sprayed Insulation
  07 21 53  Reflective Insulation

07 22 00  Roof and Deck Insulation
  07 22 13  Asphalitic 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  Polymer-Modified Exterior Insulation and Finish System
  07 24 19  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
  07 26 23  Below-Grade Gas Retarders

07 27 00  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  Fluid-Applied Membrane Air Barriers
  07 27 36  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 Fiberglass-Reinforced Asphalt Shingles
  07 31 16  Metal Shingles
  07 31 19  Mineral-Fiber Cement Shingles
  07 31 23  Porcelain Enamel Shingles
  07 31 26  Slate Shingles
07 31 29  Wood Shingles and Shakes
07 31 29.13 Wood Shingles
07 31 29.16 Wood Shakes
07 31 33  Composite Rubber Shingles
07 31 53  Plastic Shakes

07 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

07 33 00  Natural Roof Coverings
  07 33 13  Sod Roofing
  07 33 16  Thatched Roofing
  07 33 63  Vegetated Roofing

07 40 00  Roofing and Siding Panels

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

07 42 00  Wall Panels
  07 42 13  Metal Wall Panels
  07 42 13.13 Formed Metal Wall Panels
  07 42 13.16 Metal Plate Wall Panels
  07 42 13.19 Insulated Metal Wall Panels
  07 42 13.23 Metal Composite Material Wall Panels
  07 42 23  Wood Wall Panels
  07 42 29  Terracotta Wall Panels
  07 42 33  Plastic Wall Panels
  07 42 43  Composite Wall Panels
  07 42 63  Fabricated Wall Panel Assemblies
  07 42 93  Soffit Panels

07 44 00  Faced Panels
  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
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    07 61 19  Flat Seam Sheet Metal Roofing
07 62 00  Sheet Metal Flashing and Trim
07 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  Modified Bituminous Sheet Flashing
    07 65 19  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
07 71 00  Roof Specialties
    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  Manufactured Roof Expansion Joints
    07 71 33  Manufactured Scuppers
07 72 00  Roof Accessories
    07 72 13  Manufactured Curbs
    07 72 23  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  Snow Guards
    07 72 63  Waste Containment Assemblies
07 76 00  Roof Pavers
    07 76 13  Roof Ballast Pavers
    07 76 16  Roof Decking Pavers
07 77 00  Wall Specialties
07 80 00  Fire and Smoke Protection
07 81 00  Applied Fireproofing
| 07 81 13 | Cement Aggregate Fireproofing |
| 07 81 16 | Cementitious Fireproofing |
| 07 81 19 | Foamed Magnesium-Oxychloride Fireproofing |
| 07 81 23 | Intumescent Fireproofing |
| 07 81 26 | Magnesium Cement Fireproofing |
| 07 81 29 | Mineral-Fiber Cementitious Fireproofing |
| 07 81 33 | 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 | Joint Firestopping |
| 07 84 53 | Building Perimeter Firestopping |
| **07 86 00** | **Smoke Seals** |
| **07 87 00** | **Smoke Containment Barriers** |
| **07 90 00** | **Joint Protection** |
| **07 91 00** | **Preformed Joint Seals** |
| 07 91 13 | Compression Seals |
| 07 91 16 | Joint Gaskets |
| 07 91 23 | Backer Rods |
| 07 91 26 | Joint Fillers |
| **07 92 00** | **Joint Sealants** |
| 07 92 13 | Elastomeric Joint Sealants |
| 07 92 16 | Rigid Joint Sealants |
| 07 92 19 | Acoustical Joint Sealants |
| **07 95 00** | **Expansion Control** |
| 07 95 13 | Expansion Joint Cover Assemblies |
| 07 95 53 | Joint Slide Bearings |
| 07 95 63 | Bridge Expansion Joint Cover Assemblies |
08 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  Wood Window Rehabilitation
  08 01 52.81  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 Metal Storm Doors and Frames
08 11 69.13 Steel Storm Doors and Frames
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 Integrated Metal Door Opening Assemblies
- 08 17 23 Integrated Wood Door Opening Assemblies
- 08 17 33 Integrated Plastic Door Opening Assemblies
- 08 17 43 Integrated Composite Door Opening Assemblies

08 30 00 **Specialty Doors and Frames**

---

43
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<td>Coiling Counter Grilles</td>
</tr>
<tr>
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<td>Overhead Rapid Coiling Doors</td>
</tr>
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<td>08 33 26</td>
<td>Overhead Coiling Grilles</td>
</tr>
<tr>
<td>08 33 33</td>
<td>Side Coiling Doors</td>
</tr>
<tr>
<td>08 33 36</td>
<td>Side Coiling Grilles</td>
</tr>
<tr>
<td>08 33 43</td>
<td>Overhead Coiling Smoke Curtains</td>
</tr>
<tr>
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<td>Overhead Coiling Fire Curtains</td>
</tr>
<tr>
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<td><strong>Special Function Doors</strong></td>
</tr>
<tr>
<td>08 34 13</td>
<td>Cold Storage Doors</td>
</tr>
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<td>Hangar Doors</td>
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<td>Industrial Doors</td>
</tr>
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<td>Lightproof Doors</td>
</tr>
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<td>Radio-Frequency-InterferenceShielding Doors</td>
</tr>
<tr>
<td>08 34 49</td>
<td>Radiation Shielding Doors and Frames</td>
</tr>
<tr>
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<td>Neutron Shielding Doors and Frames</td>
</tr>
<tr>
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<td>Security Doors and Frames</td>
</tr>
<tr>
<td>08 34 56</td>
<td>Security Gates</td>
</tr>
<tr>
<td>08 34 58</td>
<td>File Room Doors and Frames</td>
</tr>
<tr>
<td>08 34 59</td>
<td>Vault Doors and Day Gates</td>
</tr>
<tr>
<td>08 34 63</td>
<td>Detention Doors and Frames</td>
</tr>
<tr>
<td>08 34 63.13</td>
<td>Steel Detention Doors and Frames</td>
</tr>
<tr>
<td>08 34 63.16</td>
<td>Steel Plate Detention Doors and Frames</td>
</tr>
<tr>
<td>08 34 63.33</td>
<td>Detention Door Frame Protection</td>
</tr>
<tr>
<td>08 34 73</td>
<td>Sound Control Door Assemblies</td>
</tr>
<tr>
<td>08 35 00</td>
<td><strong>Folding Doors and Grilles</strong></td>
</tr>
<tr>
<td>08 35 13</td>
<td>Folding Doors</td>
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<td>Accordion Folding Doors</td>
</tr>
<tr>
<td>08 35 13.23</td>
<td>Accordion Folding Fire Doors</td>
</tr>
<tr>
<td>08 35 13.33</td>
<td>Panel Folding Doors</td>
</tr>
<tr>
<td>08 35 16</td>
<td>Folding Grilles</td>
</tr>
<tr>
<td>08 35 16.13</td>
<td>Accordion Folding Grilles</td>
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<td><strong>Panel Doors</strong></td>
</tr>
<tr>
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<td>Sectional Doors</td>
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<tr>
<td>08 36 16</td>
<td>Single-Panel Doors</td>
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<tr>
<td>08 36 19</td>
<td>Multi-Leaf Vertical Lift Doors</td>
</tr>
<tr>
<td>08 36 23</td>
<td>Telescoping Vertical Lift Doors</td>
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<td><strong>Traffic Doors</strong></td>
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<tr>
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<td>Flexible Strip Doors</td>
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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 **Entrees, Storefronts, and Curtain Walls**
08 41 00 **Entrees 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 Balanced Door Entrances
  08 42 39 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 Aluminum-Framed Storefronts
  08 43 13.13 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
### Windows

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
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<td>Steel Windows</td>
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<td>Metal Storm Windows</td>
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<td><strong>Pressure-Resistant Windows</strong></td>
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<tr>
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<td>Tornado-Resistant Windows</td>
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<td>Radio-Frequency-Interference Shielding Windows</td>
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<td>Radiation Shielding Windows</td>
</tr>
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<td>Service and Teller Window Units</td>
</tr>
<tr>
<td>08 56 63</td>
<td>Detention Windows</td>
</tr>
<tr>
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<td>Detention Window Screens</td>
</tr>
<tr>
<td>08 56 73</td>
<td>Sound Control Windows</td>
</tr>
<tr>
<td>08 56 88</td>
<td>Interior Insulating Windows</td>
</tr>
<tr>
<td>08 60 00</td>
<td><strong>Roof Windows and Skylights</strong></td>
</tr>
<tr>
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<td><strong>Roof Windows</strong></td>
</tr>
<tr>
<td>08 61 13</td>
<td>Metal Roof Windows</td>
</tr>
<tr>
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<tr>
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<td>Vaulted Unit Skylights</td>
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08 63 16  Pyramidal Metal-Framed Skylights
08 63 19  Vaulted Metal-Framed Skylights
08 63 23  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  Safety and Security Films
 08 87 23.13  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  Cable Suspended Glazing
 08 88 33  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  Security Glazing
08 88 56  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  Louvered Equipment Enclosures
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 00 00  Finishes

09 01 00  Maintenance of Finishes
  09 01 20  Maintenance of Plaster and Gypsum Board
  09 01 20.91  Plaster Restoration
  09 01 30  Maintenance of Tiling
  09 01 30.91  Tile Restoration
  09 01 50  Maintenance of Ceilings
  09 01 50.91  Ceiling Restoration
  09 01 60  Maintenance of Flooring
  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
    09 01 90.52  Maintenance Repainting
    09 01 90.53  Maintenance Coatings
    09 01 90.61  Repainting
    09 01 90.91  Ceiling Restoration
    09 01 90.92  Coating Restoration
    09 01 90.93  Paint Preservation

09 03 00  Conservation Treatment of Period Finishes
  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
    09 03 51  Conservation Treatment for Period Suspended Ceilings
  09 03 56  Conservation Treatment for Textured Ceilings
    09 03 56.16  Conservation Treatment for Period Metal-Panel Textured Ceilings
  09 03 60  Conservation Treatment for Period Flooring
  09 03 63  Conservation Treatment for Period Masonry Flooring
  09 03 63.13  Conservation Treatment for Period Brick Flooring
  09 03 63.40  Conservation Treatment for Period Stone Flooring
  09 03 64  Conservation Treatment for Period Wood Flooring
  09 03 64.29  Conservation Treatment for Period Wood Strip and Plank Flooring
  09 03 65  Conservation Treatment for Period Resilient Flooring
  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
  09 03 90  Conservation Treatment for Period Painting and Coating
  09 03 91  Conservation Treatment for Period Painted Surfaces
    09 03 91.13  Conservation Treatment for Period Exterior Painting
    09 03 91.23  Conservation Treatment for Period Interior Painting

09 05 00  Common Work Results for Finishes
  09 05 05  Selective Demolition for Finishes
  09 05 13  Common Finishes
  09 05 61  Common Work Results for Flooring Preparation
    09 05 61.13  Moisture Vapor Emission Control
  09 05 71  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  Resilient Channel Furring
  09 22 16  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  Backing Boards and Underlayments
09 28 13 Cementitious Backing Boards
09 28 16 Glass-Mat Faced Gypsum Backing Boards
09 28 19 Fibered Gypsum Backing Boards

09 29 00 Gypsum Board
09 29 82 Gypsum Board Fireproofing

09 30 00 Tiling
09 30 13 Ceramic Tiling
09 30 16 Quarry Tiling
09 30 19 Paver Tiling
09 30 23 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 Thin-Set Paver Tiling
09 31 23 Thin-Set Glass Mosaic Tiling
09 31 26 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 13 Mortar-Bed Ceramic Tiling
09 32 16 Mortar-Bed Quarry Tiling
09 32 19 Mortar-Bed Paver Tiling
09 32 23 Mortar-Bed Glass Mosaic Tiling
09 32 26 Mortar-Bed Plastic Tiling
09 32 29 Mortar-Bed Metal Tiling
09 32 33 Mortar-Bed Stone Tiling
09 32 36 Mortar-Bed Concrete Tiling

09 33 00 Conductive Tiling
09 33 13 Conductive Ceramic Tiling
09 33 16 Conductive Quarry Tiling
09 33 19 Conductive Paver Tiling
09 33 23 Conductive Glass Mosaic Tiling
09 33 26 Conductive Plastic Tiling
09 33 29 Conductive Metal Tiling
09 33 33 Conductive Stone Tiling
09 33 36 Conductive Concrete Tiling

09 34 00 Waterproofing-Membrane Tiling
09 34 13 Waterproofing-Membrane Ceramic Tiling
09 34 16 Waterproofing-Membrane Quarry Tiling
09 34 19 Waterproofing-Membrane Paver Tiling
09 34 23 Waterproofing-Membrane Glass Mosaic Tiling
09 34 26 Waterproofing-Membrane Plastic Tiling
09 34 29 Waterproofing-Membrane Metal 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 Glass Mosaic Tiling
09 35 26  Chemical-Resistant Plastic Tiling
09 35 29  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  Metal Acoustical Ceiling Suspension Assemblies
09 53 33  Plastic Acoustical Ceiling Suspension Assemblies

09 54 00  Specialty Ceilings
09 54 13  Open Metal Mesh Ceilings
09 54 16  Luminous Ceilings
09 54 19  Mirror Panel Ceilings
09 54 23  Linear Metal Ceilings
09 54 26  Suspended Wood Ceilings
09 54 33  Decorative Panel Ceilings
09 54 36  Suspended Decorative Grids
09 54 43  Stretched-Fabric Ceiling Systems
09 54 46  Fabric-Wrapped Ceiling Panels
09 54 53  Fiberglass Reinforced Panel Ceilings

09 56 00  Textured Ceilings
09 56 13  Gypsum-Panel Textured Ceilings
09 56 16  Metal-Panel Textured Ceilings

09 57 00  Special Function Ceilings
09 57 53  Security Ceiling Assemblies

09 58 00  Integrated Ceiling Assemblies

09 60 00  Flooring

09 61 00  Flooring Treatment
09 61 13  Slip-Resistant Flooring Treatment
09 61 19  Concrete Floor Staining
09 61 36  Static-Resistant Flooring Treatment

09 62 00  Specialty Flooring
<table>
<thead>
<tr>
<th>Code</th>
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<td>Wood Parquet Flooring</td>
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</tr>
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<td>09 65 13.23</td>
<td>Resilient Stair Treads and Risers</td>
</tr>
<tr>
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<td>Resilient Stair Nosings</td>
</tr>
<tr>
<td>09 65 13.33</td>
<td>Resilient Accessories</td>
</tr>
<tr>
<td>09 65 13.36</td>
<td>Resilient Carpet Nosings</td>
</tr>
<tr>
<td>09 65 16</td>
<td>Resilient Sheet Flooring</td>
</tr>
<tr>
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<td>Vinyl Sheet Flooring</td>
</tr>
<tr>
<td>09 65 16.33</td>
<td>Rubber Sheet Flooring</td>
</tr>
<tr>
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<td>PVC-Free Sheet Flooring</td>
</tr>
<tr>
<td>09 65 19</td>
<td>Resilient Tile Flooring</td>
</tr>
<tr>
<td>09 65 19.19</td>
<td>Vinyl Composition Tile Flooring</td>
</tr>
<tr>
<td>09 65 19.23</td>
<td>Vinyl Tile Flooring</td>
</tr>
<tr>
<td>09 65 19.33</td>
<td>Rubber Tile Flooring</td>
</tr>
<tr>
<td>09 65 19.43</td>
<td>Polyester Composition Tile Flooring</td>
</tr>
<tr>
<td>09 65 33</td>
<td>Conductive Resilient Flooring</td>
</tr>
<tr>
<td>09 65 36</td>
<td>Static-Control Resilient Flooring</td>
</tr>
<tr>
<td>09 65 36.13</td>
<td>Static-Dissipative Resilient Flooring</td>
</tr>
<tr>
<td>09 65 36.16</td>
<td>Static-Resistant Resilient Flooring</td>
</tr>
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<td>09 65 43</td>
<td>Linoleum Flooring</td>
</tr>
<tr>
<td>09 66 00</td>
<td>Terrazzo Flooring</td>
</tr>
<tr>
<td>09 66 13</td>
<td>Portland Cement Terrazzo Flooring</td>
</tr>
<tr>
<td>09 66 13.13</td>
<td>Sand Cushion Terrazzo Flooring</td>
</tr>
</tbody>
</table>
09 66 13.16 Monolithic Terrazzo Flooring
09 66 13.19 Bonded Terrazzo Flooring
09 66 13.23 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 Polyacrylate Modified Cementitious Terrazzo Flooring
09 66 23.16 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 Quartz Flooring
09 67 66 Fluid-Applied Athletic Flooring

09 68 00 Carpeting
09 68 13 Tile Carpeting
09 68 16 Sheet Carpeting

09 69 00 Access Flooring
09 69 13 Rigid-Grid Access Flooring
09 69 16 Snap-on Stringer Access Flooring
09 69 19 Stringerless Access Flooring
09 69 33 Low-Profile Fixed Height Access Flooring
09 69 53 Access Flooring Accessories
09 69 56 Access Flooring Stairs and Stringers

09 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 Flexible Vinyl Wall Coverings
09 72 16.16 Rigid-Sheet Vinyl Wall Coverings
09 72 19 Textile Wall Coverings
09 72 23 Wallpapering

09 73 00 Wall Carpeting

09 74 00 Flexible Wood Sheets
09 74 13 Wood Wall Coverings
09 74 16 Flexible Wood Veneers

09 75 00 Stone Facing
09 75 13 Stone Wall Facing
09 75 19 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  Acoustic Ceiling Coating
  09 83 22  Acoustic Drapery
09 84 00  Acoustic Room Components
  09 84 13  Fixed Sound-Absorptive Panels
  09 84 14  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  Exterior Staining
  09 93 13.53  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  Abrasion-Resistant Coatings
  09 96 23  Graffiti-Resistant Coatings
  09 96 26  Marine Coatings
  09 96 33  High-Temperature-Resistant Coatings
  09 96 35  Chemical-Resistant Coatings
<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 96 43</td>
<td>Fire-Retardant Coatings</td>
</tr>
<tr>
<td>09 96 46</td>
<td>Intumescent Painting</td>
</tr>
<tr>
<td>09 96 53</td>
<td>Elastomeric Coatings</td>
</tr>
<tr>
<td>09 96 56</td>
<td>Epoxy Coatings</td>
</tr>
<tr>
<td>09 96 59</td>
<td>High-Build Glazed Coatings</td>
</tr>
<tr>
<td>09 96 63</td>
<td>Textured Plastic Coatings</td>
</tr>
<tr>
<td>09 96 66</td>
<td>Aggregate Wall Coatings</td>
</tr>
<tr>
<td><strong>09 97 00</strong></td>
<td><strong>Special Coatings</strong></td>
</tr>
<tr>
<td>09 97 13</td>
<td>Steel Coatings</td>
</tr>
<tr>
<td>09 97 13.13</td>
<td>Interior Steel Coatings</td>
</tr>
<tr>
<td>09 97 13.23</td>
<td>Exterior Steel Coatings</td>
</tr>
<tr>
<td>09 97 23</td>
<td>Concrete and Masonry Coatings</td>
</tr>
<tr>
<td>09 97 26</td>
<td>Cementitious Coatings</td>
</tr>
<tr>
<td>09 97 26.13</td>
<td>Interior Cementitious Coatings</td>
</tr>
<tr>
<td>09 97 26.23</td>
<td>Exterior Cementitious Coatings</td>
</tr>
<tr>
<td>09 97 35</td>
<td>Dry Erase Coatings</td>
</tr>
</tbody>
</table>
10 00 00   Specialties
10 01 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   Operation and Maintenance of Safety Specialties
  10 01 50   Operation and Maintenance of Storage Specialties
  10 01 70   Operation and Maintenance of Exterior Specialties
  10 01 80   Operation and Maintenance of Other Specialties
10 05 00   Common Work Results for Specialties
  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   Schedules for Interior Specialties
  10 06 20.13   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
  10 11 13.23   Modular-Support-Mounted Chalkboards
  10 11 13.33   Rail-Mounted Chalkboards
  10 11 13.43   Portable Chalkboards
  10 11 16   Markerboards
  10 11 16.13   Fixed Markerboards
  10 11 16.23   Modular-Support-Mounted Markerboards
  10 11 16.33   Rail-Mounted Markerboards
  10 11 16.43   Portable Markerboards
  10 11 16.53   Electronic Markerboards
  10 11 23   Tackboards
  10 11 23.13   Fixed Tackboards
  10 11 23.23   Modular-Support-Mounted Tackboards
  10 11 23.33   Rail-Mounted Tackboards
  10 11 23.43   Portable Tackboards
  10 11 33   Sliding Visual Display Units
  10 11 33.13   Horizontal-Sliding Visual Display Units
  10 11 33.23   Vertical-Sliding Visual Display Units
  10 11 36   Visual Display Conference Units
  10 11 39   Visual Display Rails
  10 11 43   Visual Display Wall 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  Panel Signage
- 10 14 23.13  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  Floating Signage
- 10 14 67  Tactile Signage

### 10 17 00  Telephone Specialties
- 10 17 13  Telephone Directory Units
- 10 17 16  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
- 10 21 13  Toilet Compartments
- 10 21 13.13  Metal Toilet Compartments
- 10 21 13.16  Plastic-Laminate-Clad Toilet Compartments
- 10 21 13.19  Plastic Toilet Compartments
- 10 21 13.23  Particleboard Toilet Compartments
- 10 21 13.40  Stone Toilet Compartments
- 10 21 16  Shower and Dressing Compartments
- 10 21 16.13  Metal Shower and Dressing Compartments
- 10 21 16.16  Plastic-Laminate-Clad Shower and Dressing Compartments
- 10 21 16.19  Plastic Shower and Dressing Compartments
- 10 21 16.23  Particleboard Shower and Dressing Compartments
- 10 21 16.40  Stone Shower and Dressing Compartments
- 10 21 23  Cubicle Curtains and Track
- 10 21 23.13  Cubicle Curtains
- 10 21 23.16  Cubicle Track and Hardware
- 10 21 26  Room Darkening Curtains and Tracks

### 10 22 00  Partitions
- 10 22 13  Wire Mesh Partitions
- 10 22 14  Expanded Metal Partitions
- 10 22 16  Folding Gates
- 10 22 19  Demountable Partitions
- 10 22 19.13  Demountable Metal Partitions
- 10 22 19.23  Demountable Wood Partitions
- 10 22 19.33  Demountable Plastic 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
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 Commercial Toilet Accessories
10 28 13.19 Healthcare Toilet Accessories
10 28 13.53 Security Toilet Accessories
10 28 13.63 Detention Toilet Accessories
10 28 16 Bath Accessories
10 28 16.13 Residential Bath Accessories
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
10 40 00  Safety Specialties
10 41 00  Emergency Access and Information Cabinets
  10 41 13  Fire Department Plan Cabinets
  10 41 16  Emergency Key Cabinets
10 43 00  Emergency Aid Specialties
  10 43 13  Defibrillator Cabinets
  10 43 16  First Aid Cabinets
  10 43 21  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  Portable Fire Extinguishers
  10 44 16.16  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  Plastic Lockers
  10 51 26.13  Recycled Plastic Lockers
  10 51 29  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  Mail Collection Boxes
  10 55 19  Receiving Boxes
  10 55 23  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  Parcel Lockers
  10 55 33  Data Distribution Boxes
  10 55 36  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  Post-and-Beam Metal Storage Shelving
  10 56 13.23  Cantilever Metal Storage Shelving
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 Wine Storage Racks
10 56 33  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
10 57 36.16 Bifold Closet Doors

10 70 00  Exterior Specialties
10 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
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 43  Transportation Stop Shelters
10 74 00  Manufactured Exterior Specialties
  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
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 Operation and Maintenance of Observatory Equipment
  11 01 60 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 Schedules for Foodservice Equipment
  11 06 40.13 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 Vehicle-Washing Equipment
  11 11 36 Vehicle Charging Equipment

11 12 00 Parking Control Equipment
  11 12 13 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 Lift Arm Parking Gates
  11 12 33.16 Sliding Parking Gates
  11 12 33.19 Swinging Parking Gates

11 13 00 Loading Dock Equipment
  11 13 13 Loading Dock Bumpers
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
11 21 00  Retail and Service Equipment
11 21 13  Cash Registers and Checking Equipment
11 21 23  Vending Equipment
11 21 23.13  Merchandise Vending Machines
11 21 23.16  Reverse Vending Machines
11 21 23.19  Video Rental Vending Machines
11 21 23.36  Token Vending Machines
11 21 24  Money Changing Machines
11 21 33  Checkroom Equipment
11 21 43  Weighing and Wrapping Equipment
11 21 53  Barber and Beauty Shop Equipment
11 21 63  Refrigerated Display Equipment
11 21 73  Commercial Laundry and Dry Cleaning Equipment
11 21 73.13  Dry Cleaning Equipment
11 21 73.16  Drying and Conditioning Equipment
11 21 73.19  Finishing Equipment
11 21 73.23  Commercial Ironing Equipment
11 21 73.26  Commercial Washers and Extractors
11 21 73.33  Coin-Operated Laundry Equipment
11 21 73.43  Hanging Garment Conveyors
11 21 83  Photo Processing Equipment

11 22 00  Banking Equipment
11 22 13  Vault Equipment
11 22 13.13  Safe Deposit Boxes
11 22 13.16  Safes
11 22 13.23  Vault Ventilators
11 22 13.26 Time Capsules
11 22 16 Teller and Service Equipment
11 22 16.13 Teller Equipment Systems
11 22 16.16 Automatic Banking Systems
11 22 16.19 Money Handling Equipment
11 22 16.23 Money Depositories
11 22 16.26 Money Cart Pass-Through
11 22 16.29 Package Transfer Units
11 22 16.33 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 Packaging Equipment
11 29 33 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 Wood Unit Kitchens
11 32 19 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 Walk-In Coolers
11 41 26 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 Commercial Ovens

11 46 00 Food Dispensing Equipment
11 46 13 Bar Equipment
11 46 16 Service Line Equipment
11 46 19 Soda Fountain Equipment
11 46 23 Coffee and Espresso Equipment
11 46 83 Ice Machines

11 48 00 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 Book Theft Protection Equipment
11 51 23 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
11 52 16.13 Movie Projectors
11 52 16.16 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 Recirculating Laboratory Fume Hoods
11 53 16 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 Telescope Mounts
11 56 19 Telescope Drive Mechanisms
11 56 23 Telescope Domes

11 57 00 Vocational Shop Equipment

11 59 00 Exhibit Equipment

11 60 00 Entertainment and Recreation Equipment

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  Wall Padding
11 66 23.56  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  Bowling Alley Equipment
11 67 23  Shooting Range Equipment
11 67 33  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  Soccer and Field Hockey Equipment
11 68 33.33  Baseball Field Equipment
11 68 33.43  Track and Field Equipment
11 68 43  Exterior Scoreboards

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

11 76 00 Operating Room Equipment

11 77 00 Radiology Equipment

11 78 00 Mortuary Equipment
   11 78 13 Mortuary Refrigerators
   11 78 16 Crematorium Equipment
   11 78 19 Mortuary Lifts

11 79 00 Therapy Equipment

11 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
   11 81 29 Facility Fall Protection

11 82 00 Facility Solid Waste Handling Equipment
   11 82 13 Solid Waste Bins
   11 82 19 Packaged Incinerators
   11 82 23 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

11 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 Bagger
   11 93 33 Soil Mixers
11 94 00  Veterinary Equipment
11 95 00  Arts and Crafts Equipment
         11 95 13  Kilns
11 97 00  Security Equipment
         11 97 13  Deal Drawers
         11 97 16  Gun Ports
         11 97 23  Valuable Material Storage
11 98 00  Detention Equipment
         11 98 13  Detention Pass-Through Doors
         11 98 16  Detention Gun Lockers
         11 98 19  Detention Room Padding
12 00 00 Furnishings

12 01 00 Operation and Maintenance of Furnishings
  12 01 10 Operation and Maintenance of Art
  12 01 20 Operation and Maintenance of Window Treatments
  12 01 30 Operation and Maintenance of Casework
  12 01 40 Operation and Maintenance of Furnishings and Accessories
  12 01 50 Operation and Maintenance of Furniture
  12 01 60 Operation and Maintenance of Multiple Seating
  12 01 90 Operation and Maintenance of Other Furnishings

12 05 00 Common Work Results for Furnishings
  12 05 05 Selective Demolition for Furnishings
  12 05 13 Fabrics

12 06 00 Schedules for Furnishings
  12 06 10 Schedules for Art
  12 06 20 Schedules for Window Treatments
  12 06 20.13 Window Treatment Schedule
  12 06 30 Schedules for Casework
  12 06 30.13 Manufactured Casework Schedule
  12 06 40 Schedules for Furnishings and Accessories
  12 06 40.13 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

12 10 00 Art

12 11 00 Murals
  12 11 13 Photo Murals
  12 11 16 Sculptured Brick Panels
  12 11 23 Brick Murals
  12 11 26 Ceramic Tile Murals
  12 11 33 Trompe l’oeil

12 12 00 Wall Decorations
  12 12 13 Commissioned Paintings
  12 12 16 Framed Paintings
  12 12 19 Framed Prints
  12 12 23 Tapestries
  12 12 26 Wall Hangings

12 14 00 Sculptures
  12 14 13 Carved Sculpture
  12 14 16 Cast Sculpture
  12 14 19 Constructed Sculpture
  12 14 23 Relief Art

12 17 00 Art Glass
  12 17 13 Etched Glass
  12 17 16 Stained Glass

12 19 00 Religious Art
12 20 00  Window Treatments
12 21 00  Window Blinds
   12 21 13  Horizontal Louver Blinds
   12 21 13.13  Metal Horizontal Louver Blinds
   12 21 13.23  Wood Horizontal Louver Blinds
   12 21 13.33  Plastic Horizontal Louver Blinds
   12 21 16  Vertical Louver Blinds
   12 21 16.13  Metal Vertical Louver Blinds
   12 21 16.23  Wood Vertical Louver Blinds
   12 21 16.33  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  Pleated Window Shades
   12 24 16.13  Z-Pleated Window Shades
   12 24 16.16  Cellular Shades
   12 24 16.19  Roman Shades
12 25 00  Window Treatment Operating Hardware
   12 25 09  Window Treatment Control System
   12 25 13  Motorized Drapery Rods
12 26 00  Interior Daylighting Devices
12 30 00  Casework
12 31 00  Manufactured Metal Casework
   12 31 16  Manufactured Metal Sandwich Panel Casework
12 32 00  Manufactured Wood Casework
   12 32 13  Manufactured Wood-Veneer-Faced Casework
   12 32 16  Manufactured Plastic-Laminate-Clad Casework
12 34 00  Manufactured Plastic Casework
   12 34 16  Manufactured Solid-Plastic Casework
12 35 00  Specialty Casework
   12 35 17  Bank Casework
   12 35 25  Hospitality Casework
   12 35 30  Residential Casework
   12 35 30.13  Kitchen Casework
   12 35 30.23  Bathroom Casework
   12 35 30.43  Dormitory Casework
   12 35 33  Utility Room Casework
   12 35 36  Mailroom Casework
   12 35 39  Commercial Kitchen Casework
   12 35 50  Educational/Library Casework
   12 35 50.13  Educational Casework
   12 35 50.53  Library Casework
12 35 50.56 Built-In Study Carrels
12 35 53 Laboratory Casework
12 35 53.13 Metal Laboratory Casework
12 35 53.16 Plastic-Laminate-Clad Laboratory Casework
12 35 53.19 Wood Laboratory Casework
12 35 53.23 Solid-Plastic Laboratory Casework
12 35 59 Display Casework
12 35 70 Healthcare Casework
12 35 70.13 Hospital Casework
12 35 70.16 Nurse Station Casework
12 35 70.19 Exam Room Casework
12 35 70.74 Dental Casework
12 35 83 Performing Arts Casework
12 35 91 Religious Casework

12 36 00 Countertops
12 36 13 Concrete Countertops
12 36 16 Metal Countertops
12 36 19 Wood Countertops
12 36 23 Plastic Countertops
12 36 23.13 Plastic-Laminate-Clad Countertops
12 36 26 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 Furnishings and Accessories

12 41 00 Office Accessories
12 41 13 Desk Accessories

12 42 00 Table Accessories
12 42 13 Ceramics
12 42 16 Flatware
12 42 16.13 Silverware
12 42 19 Hollowware
12 42 23 Glassware
12 42 26 Table Linens
12 42 26.13 Napery

12 43 00 Portable Lamps
12 43 13 Lamps
12 43 13.13 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 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 48 00  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 Runners
12 48 53.16 Oriental Rugs

12 50 00  Furniture

12 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 52 00  Seating
12 52 13  Chairs
12 52 19  Upholstered Seating
12 52 23  Office Seating
12 52 70  Healthcare Seating
12 52 83  Custom Seating

12 53 00  Retail Furniture
12 53 83  Custom Retail Furniture

12 54 00  Hospitality Furniture
12 54 13  Hotel and Motel Furniture
12 54 16  Restaurant Furniture
12 54 83  Custom Hospitality Furniture
<table>
<thead>
<tr>
<th>12 55 00</th>
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<tbody>
<tr>
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<td>12 55 19</td>
<td>Detention Stools</td>
</tr>
<tr>
<td>12 55 23</td>
<td>Detention Tables</td>
</tr>
<tr>
<td>12 55 26</td>
<td>Detention Safety Clothes Hooks</td>
</tr>
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<td>12 55 83</td>
<td>Custom Detention Furniture</td>
</tr>
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<td>Fixed Classroom Tables</td>
</tr>
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<td>Classroom Computer Furniture</td>
</tr>
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<td>12 56 39</td>
<td>Lecterns</td>
</tr>
<tr>
<td>12 56 43</td>
<td>Dormitory Furniture</td>
</tr>
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<td>Library Furniture</td>
</tr>
<tr>
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<td>Book Shelves</td>
</tr>
<tr>
<td>12 56 51.16</td>
<td>Study Carrels</td>
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<td>12 56 51.19</td>
<td>Index Card File Cabinets</td>
</tr>
<tr>
<td>12 56 52</td>
<td>Audio-Visual Furniture</td>
</tr>
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<td>12 56 53</td>
<td>Laboratory Furniture</td>
</tr>
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</tr>
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<td>Couches and Loveseats</td>
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<tr>
<td>12 58 13.13</td>
<td>Futons</td>
</tr>
<tr>
<td>12 58 16</td>
<td>Residential Chairs</td>
</tr>
<tr>
<td>12 58 16.13</td>
<td>Reclining Chairs</td>
</tr>
<tr>
<td>12 58 19</td>
<td>Dining Tables and Chairs</td>
</tr>
<tr>
<td>12 58 23</td>
<td>Coffee Tables</td>
</tr>
<tr>
<td>12 58 26</td>
<td>Entertainment Centers</td>
</tr>
<tr>
<td>12 58 29</td>
<td>Beds</td>
</tr>
<tr>
<td>12 58 29.13</td>
<td>Daybeds</td>
</tr>
<tr>
<td>12 58 33</td>
<td>Dressers</td>
</tr>
<tr>
<td>12 58 33.13</td>
<td>Armoires</td>
</tr>
<tr>
<td>12 58 36</td>
<td>Nightstands</td>
</tr>
<tr>
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</table>

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</tr>
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<tr>
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</tr>
<tr>
<td>12 59 16</td>
<td>Free-Standing Component System Furniture</td>
</tr>
<tr>
<td>12 59 19</td>
<td>Beam System Furniture</td>
</tr>
<tr>
<td>12 59 23</td>
<td>Desk System Furniture</td>
</tr>
<tr>
<td>12 59 83</td>
<td>Custom Systems Furniture</td>
</tr>
<tr>
<td>12 60 00</td>
<td>Multiple Seating</td>
</tr>
<tr>
<td>12 61 00</td>
<td>Fixed Audience Seating</td>
</tr>
<tr>
<td>12 61 13</td>
<td>Upholstered Audience Seating</td>
</tr>
<tr>
<td>12 61 16</td>
<td>Molded-Plastic Audience Seating</td>
</tr>
<tr>
<td>12 62 00</td>
<td>Portable Audience Seating</td>
</tr>
<tr>
<td>12 62 13</td>
<td>Folding Chairs</td>
</tr>
<tr>
<td>12 62 16</td>
<td>Interlocking Chairs</td>
</tr>
<tr>
<td>12 62 19</td>
<td>Stacking Chairs</td>
</tr>
<tr>
<td>12 62 23</td>
<td>Portable Bleachers</td>
</tr>
<tr>
<td>12 63 00</td>
<td>Stadium and Arena Seating</td>
</tr>
<tr>
<td>12 63 13</td>
<td>Stadium and Arena Bench Seating</td>
</tr>
<tr>
<td>12 63 23</td>
<td>Stadium and Arena Seats</td>
</tr>
<tr>
<td>12 64 00</td>
<td>Booths and Tables</td>
</tr>
<tr>
<td>12 65 00</td>
<td>Multiple-Use Fixed Seating</td>
</tr>
<tr>
<td>12 66 00</td>
<td>Telescoping Stands</td>
</tr>
<tr>
<td>12 66 13</td>
<td>Telescoping Bleachers</td>
</tr>
<tr>
<td>12 66 23</td>
<td>Telescoping Chair Platforms</td>
</tr>
<tr>
<td>12 67 00</td>
<td>Pews and Benches</td>
</tr>
<tr>
<td>12 67 13</td>
<td>Pews</td>
</tr>
<tr>
<td>12 67 23</td>
<td>Benches</td>
</tr>
<tr>
<td>12 68 00</td>
<td>Seat and Table Assemblies</td>
</tr>
<tr>
<td>12 68 13</td>
<td>Pedestal Tablet Arm Chairs</td>
</tr>
<tr>
<td>12 90 00</td>
<td>Other Furnishings</td>
</tr>
<tr>
<td>12 92 00</td>
<td>Interior Planters and Artificial Plants</td>
</tr>
<tr>
<td>12 92 13</td>
<td>Interior Artificial Plants</td>
</tr>
<tr>
<td>12 92 33</td>
<td>Interior Planters</td>
</tr>
<tr>
<td>12 92 43</td>
<td>Interior Landscaping Accessories</td>
</tr>
<tr>
<td>12 93 00</td>
<td>Interior Public Space Furnishings</td>
</tr>
<tr>
<td>12 93 13</td>
<td>Bicycle Racks</td>
</tr>
<tr>
<td>12 93 14</td>
<td>Bicycle Lockers</td>
</tr>
<tr>
<td>12 93 23</td>
<td>Trash and Litter Receptacles</td>
</tr>
</tbody>
</table>
13 00 00  Special Construction
13 01 00  Operation and Maintenance of Special Construction
  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  Commissioning of Special Structures
  13 08 40  Commissioning of Integrated Construction
  13 08 50  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
<table>
<thead>
<tr>
<th>Section</th>
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<tbody>
<tr>
<td>13 11 53</td>
<td>Movable Pool Bulkheads</td>
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<td>Interior Fountains</td>
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<td>Aquariums</td>
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<td>Amusement Park Structures and Equipment</td>
</tr>
<tr>
<td>13 14 13</td>
<td>Water Slides</td>
</tr>
<tr>
<td>13 14 16</td>
<td>Wave Generating Equipment</td>
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<td>Amusement Park Rides</td>
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<td>Specialty Element Construction</td>
</tr>
<tr>
<td>13 17 00</td>
<td>Tubs and Pools</td>
</tr>
<tr>
<td>13 17 13</td>
<td>Hot Tubs</td>
</tr>
<tr>
<td>13 17 23</td>
<td>Therapeutic Pools</td>
</tr>
<tr>
<td>13 17 33</td>
<td>Whirlpool Tubs</td>
</tr>
<tr>
<td>13 18 00</td>
<td>Ice Rinks</td>
</tr>
<tr>
<td>13 18 13</td>
<td>Ice Rink Floor Systems</td>
</tr>
<tr>
<td>13 18 16</td>
<td>Ice Rink Dasher Boards</td>
</tr>
<tr>
<td>13 19 00</td>
<td>Kennels and Animal Shelters</td>
</tr>
<tr>
<td>13 19 13</td>
<td>Kennel Enclosures and Gates</td>
</tr>
<tr>
<td>13 19 16</td>
<td>Kennel Feeding Devices</td>
</tr>
<tr>
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</tr>
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<tr>
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<td>Cold Storage Rooms</td>
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<tr>
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<td>Walk-in Coolers</td>
</tr>
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</tr>
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<td>Constant Temperature Rooms</td>
</tr>
<tr>
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<td>Sound-Conditioned Rooms</td>
</tr>
<tr>
<td>13 22 00</td>
<td>Office Shelters and Booths</td>
</tr>
<tr>
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<td>Planetariums</td>
</tr>
<tr>
<td>13 24 00</td>
<td>Special Activity Rooms</td>
</tr>
<tr>
<td>13 24 16</td>
<td>Saunas</td>
</tr>
<tr>
<td>13 24 26</td>
<td>Steam Baths</td>
</tr>
<tr>
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<td>Athletic Rooms</td>
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<td>Fabricated Rooms</td>
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<td>13 27 53.16</td>
<td>Modular Metal-Clad Laminated Security Vaults</td>
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<tr>
<td>13 28 00</td>
<td>Athletic and Recreational Special Construction</td>
</tr>
<tr>
<td>13 28 13</td>
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</tr>
<tr>
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<td>Safety Netting</td>
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</tbody>
</table>
13 28 19  Arena Football Boards
13 28 26  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  Solariums
13 34 13.19  Swimming Pool Enclosures
13 34 13.23  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  Fabricated Control Booths
13 34 23.19  Fabricated Dome Structures
13 34 23.23  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  Building Modules
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  Education Unit Modules
13 42 63  Detention Cell Modules
13 42 63.13  Precast-Concrete Detention Cell Modules
13 42 63.16  Steel Detention Cell Modules
13 44 00  Modular Mezzanines
13 47 00  Facility Protection
   13 47 13  Cathodic Protection
   13 47 13.13  Cathodic Protection for Underground and Submerged Piping
   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 Operation and Maintenance of Conveying Equipment
  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 Operation and Maintenance of Lifts
  14 01 40.71 Lift Rehabilitation
  14 01 70 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 Schedules for Conveying Equipment
  14 06 10 Schedules for Dumbwaiters
  14 06 20 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
<table>
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<td>Electric and Battery Telescoping Platform Lifts</td>
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<td>Pneumatic Telescoping Platform Lifts</td>
</tr>
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<td>Scissor Lift Platforms</td>
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<td>Multi-Axis Platform Lifts</td>
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<td>Window Washing Hoists</td>
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<td>Escape Chutes</td>
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<td>Laundry and Linen Chutes</td>
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<td>Trash Chutes</td>
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</tr>
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<td>Slide Pole Systems</td>
</tr>
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<td>Firehouse Slide Poles</td>
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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  Expansion Fittings and Loops for Fire-Suppression Piping
    21 05 19  Meters and Gages for Fire-Suppression Systems
    21 05 23  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  Fire-Suppression Equipment Insulation
    21 07 19  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  Fire-Suppression Hose Racks
      21 12 23  Fire-Suppression Hose Valves
    21 13 00  Fire-Suppression Sprinkler Systems
      21 13 13  Wet-Pipe Sprinkler Systems
      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
  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
22 00 00  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  Expansion Fittings and Loops for Plumbing Piping
    22 05 19  Meters and Gages for Plumbing Piping
    22 05 23  General-Duty Valves for Plumbing Piping
    22 05 29  Hangers and Supports for Plumbing Piping and Equipment
    22 05 33  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  Plumbing Equipment Insulation
    22 07 19  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 11 23.29 Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps
22 11 23.33 Separately Coupled, In-Line Centrifugal Domestic-Water Pumps
22 11 23.36 Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps

22 12 00 Facility Potable-Water Storage Tanks
22 12 13 Facility Roof-Mounted, 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 Non-Pressure Tanks
22 12 23.23 Facility Plastic, Indoor Potable-Water Storage Pressure Tanks
22 12 23.26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks

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 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
22 13 29.33 Sewerage Pump Basins and Pits
22 13 33 Packaged, Submersible Sewerage Pump Units
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 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 29.19 Sump-Pump Basins and Pits
22 14 33 Packaged, Pedestal Drainage Pump Units
22 14 36 Packaged, Submersible, Drainage Pump Units
<table>
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<td>Residential, Collector-to-Tank, Solar-Electric Domestic Water Heaters</td>
</tr>
<tr>
<td>22 22 30.26</td>
<td>Residential, Collector-to-Tank, Heat-Exchanger-Coil, Solar-Electric Domestic Water Heaters</td>
</tr>
<tr>
<td>22 22 33</td>
<td>Light-Commercial Electric Domestic Water Heaters</td>
</tr>
<tr>
<td>22 22 36</td>
<td>Commercial Domestic Water Electric Booster Heaters</td>
</tr>
<tr>
<td>22 22 36.13</td>
<td>Commercial Domestic Water Electric Booster Heaters</td>
</tr>
<tr>
<td>22 22 36.16</td>
<td>Commercial Storage Electric Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 00</td>
<td><strong>Fuel-Fired Domestic Water Heaters</strong></td>
</tr>
<tr>
<td>22 23 13</td>
<td>Instantaneous, Tankless, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 30</td>
<td>Residential Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 30.13</td>
<td>Residential, Atmospheric, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 30.16</td>
<td>Residential, Direct-Vent, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 30.19</td>
<td>Residential, Power-Vent, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 36</td>
<td>Commercial Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 36.13</td>
<td>Commercial, Atmospheric, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 36.16</td>
<td>Commercial, Power-Burner, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 36.19</td>
<td>Commercial, Power-Vent, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 36.23</td>
<td>Commercial, High-Efficiency, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 36.26</td>
<td>Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 36.29</td>
<td>Commercial, Grid-Type, Finned-Tube, Gas Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 46</td>
<td>Oil-Fired Domestic Water Heaters</td>
</tr>
<tr>
<td>22 23 46.13</td>
<td>Large-Capacity, Oil-Fired Domestic Water Heaters</td>
</tr>
</tbody>
</table>
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 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
  22 41 13.13  Residential Water Closets
  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 45 00 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

22 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 Security Lavatories
22 46 16.16 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 Swimming Pool Water Treatment Equipment
22 51 23 Swimming Pool Equipment Controls

22 52 00 Fountain Plumbing Systems
22 52 13 Fountain Piping
22 52 16 Fountain Pumps
22 52 19 Fountain Water Treatment Equipment
22 52 23 Fountain Equipment Controls

22 60 00 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

22 61 00 Compressed-Air Systems for Laboratory and 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  Laboratory Compressed-Air Equipment
22 61 19.70  Healthcare Compressed-Air Equipment
22 61 19.74  Dental Compressed-Air Equipment

22 62 00  Vacuum Systems for Laboratory and Healthcare 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  Dental Vacuum Piping
22 62 19  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

22 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

22 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  Reverse-Osmosis Water Equipment
22 67 19.19  Deionized-Water Equipment
## 23 00 00 Heating, Ventilating, and Air Conditioning (HVAC)

### 23 01 00 Operation and Maintenance of HVAC Systems
- 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
- 23 01 50 Operation and Maintenance of Central Heating Equipment
- 23 01 60 Operation and Maintenance of Central Cooling Equipment
- 23 01 60.71 Refrigerant Recovery/Recycling
- 23 01 70 Operation and Maintenance of Central HVAC Equipment
- 23 01 80 Operation and Maintenance of Decentralized HVAC Equipment
- 23 01 90 Diagnostic Systems for HVAC

### 23 05 00 Common Work Results for HVAC
- 23 05 05 Selective Demolition for Heating, Ventilating, and Air Conditioning (HVAC)
- 23 05 13 Common Motor Requirements for HVAC Equipment
- 23 05 16 Expansion Fittings and Loops for HVAC Piping
- 23 05 19 Meters and Gages for HVAC Piping
- 23 05 23 General-Duty Valves for HVAC Piping
- 23 05 29 Hangers and Supports for HVAC Piping and Equipment
- 23 05 33 Heat Tracing for HVAC Piping
- 23 05 48 Vibration and Seismic Controls for HVAC
- 23 05 53 Identification for HVAC Piping and Equipment
- 23 05 63 Anti-Microbial Coatings for HVAC Ducts and Equipment
- 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
- 23 06 20.13 Hydronic Pump Schedule
- 23 06 30 Schedules for HVAC Air Distribution
- 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
- 23 06 70.13 Indoor, Central-Station Air-Handling Unit Schedule
- 23 06 70.16 Packaged Outdoor HVAC Equipment Schedule
- 23 06 80 Schedules for Decentralized HVAC Equipment
- 23 06 80.13 Decentralized Unitary HVAC Equipment Schedule
- 23 06 80.16 Convection Heating and Cooling Unit Schedule
- 23 06 80.19 Radiant Heating Unit Schedule

### 23 07 00 HVAC Insulation
- 23 07 13 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 Valves
23 09 13.43 Control Dampers
23 09 23 Direct-Digital Control System for HVAC
23 09 33 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

23 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 Facility Natural-Gas Piping
23 11 26 Facility Liquefied-Petroleum Gas Piping

23 12 00 Facility Fuel Pumps
23 12 13 Facility Fuel-Oil Pumps
23 12 16 Facility Gasoline Dispensing Pumps

23 13 00 Facility Fuel-Storage Tanks
23 13 13 Facility Underground Fuel-Oil, Storage Tanks
23 13 13.13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks
23 13 13.16 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 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks
23 13 23.19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks
23 13 23.23 Insulated, Steel, Aboveground Fuel-Oil, Storage Tanks
23 13 23.26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks

23 20 00 HVAC Piping and Pumps

23 21 00 Hydronic Piping and Pumps
23 21 13 Hydronic Piping
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 Vertical-Mounted, Double-Suction Centrifugal Hydronic Pumps
23 21 23.23 Vertical-Turbine Hydronic Pumps
23 21 29 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 Round and Flat-Oval Spiral Ducts
   23 31 13.19 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
23 33 46 Flexible Ducts
23 33 53 Duct Liners

23 34 00 HVAC Fans
23 34 13 Axial HVAC Fans
23 34 16 Centrifugal HVAC Fans
23 34 23 HVAC Power Ventilators
23 34 33 Air Curtains
23 34 39 Air Destrafication Fans

23 35 00 Special Exhaust Systems
23 35 13 Dust Collection Systems
23 35 13.13 Sawdust Collection Systems
23 35 16 Engine Exhaust Systems
23 35 16.13 Positive-Pressure Engine Exhaust Systems
23 35 16.16 Mechanical Engine Exhaust Systems

23 36 00 Air Terminal Units
23 36 13 Constant-Air-Volume Units
23 36 16 Variable-Air-Volume Units

23 37 00 Air Outlets and Inlets
23 37 13 Diffusers, Registers, and Grilles
23 37 16 Fabric Air Distribution Devices
23 37 23 HVAC Gravity Ventilators
23 37 23.13 HVAC Gravity Dome Ventilators
23 37 23.16 HVAC Gravity Louvered-Penthouse Ventilators
23 37 23.19 HVAC Gravity Upblast Ventilators

23 38 00 Ventilation Hoods
23 38 13 Commercial-Kitchen Hoods
23 38 13.13 Listed Commercial-Kitchen Hoods
23 38 13.16 Standard Commercial-Kitchen Hoods
23 38 16 Fume Hoods

23 40 00 HVAC Air Cleaning Devices
23 41 00 Particulate Air Filtration
23 41 13 Panel Air Filters
23 41 16 Renewable-Media Air Filters
23 41 19 Washable Air Filters
23 41 23 Extended Surface Filters
23 41 33 High-Efficiency Particulate Filtration
23 41 43 Ultra-Low Penetration Filtration
23 41 46 Super Ultra-Low Penetration Filtration

23 42 00 Gas-Phase Air Filtration
23 42 13 Activated-Carbon Air Filtration
23 42 16 Chemically-Impregnated Adsorption Air Filtration
23 42 19 Catalytic-Adsorption Air Filtration

23 43 00 Electronic Air Cleaners
23 43 13 Washable Electronic Air Cleaners
23 43 16 Agglomerator Electronic Air Cleaners
23 43 23 Self-Contained Electronic Air Cleaners

23 50 00 Central Heating Equipment
23 51 00 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
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 Solar Air-Heating Panels

23 57 00 Heat Exchangers for HVAC
23 57 13 Steam-to-Steam Heat Exchangers
23 57 16 Steam-to-Water Heat Exchangers
23 57 19 Liquid-to-Liquid Heat Exchangers
23 57 19.13 Plate-Type, Liquid-to-Liquid Heat Exchangers
23 57 19.16 Shell-Type, Liquid-to-Liquid Heat Exchangers
23 57 33 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 Non-Condensable Gas Purge Equipment
23 61 16 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 Direct-Fired Absorption Water Chillers
23 64 13.16 Indirect-Fired Absorption Water Chillers
23 64 16 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 Forced-Draft Cooling Towers
23 65 13.13 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 Heat-Pump Boosters for Thermal Storage
23 71 13.19 Central Furnace Heat-Storage Units
23 71 13.23 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

23 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
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-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  Humidity Control Equipment
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
25 00 00  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  Conduits and Backboxes for Integrated Automation
  25 05 28.36  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
25 06 00  Schedules for Integrated Automation
  25 06 11  Schedules for Integrated Automation Network
  25 06 12  Schedules for Integrated Automation Network Gateways
  25 06 13  Schedules for Integrated Automation Control and Monitoring Network
  25 06 14  Schedules for Integrated Automation Local Control Units
  25 06 30  Schedules for Integrated Automation Instrumentation and Terminal Devices
25 08 00  Commissioning of Integrated Automation
25 10 00  Integrated Automation Network
  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  Client-Server Information/Database Integration Network Gateways
  25 13 00  Integrated Automation Control and Monitoring 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

99
<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
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<tr>
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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 Storing Equipment
26 01 40  Operation and Maintenance of Electrical Protection Systems
26 01 50  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  Low-Voltage Electrical Power Conductors and Cables
26 05 19.13  Undercarpet Electrical Power Cables
26 05 19.23  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  Boxes for Electrical Systems
26 05 33.23  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  Overcurrent Protective Device Coordination Study
26 05 83  Wiring Connections

26 06 00  Schedules for Electrical
26 06 10  Schedules for Medium-Voltage Electrical Distribution
26 06 20  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  Wiring Device Schedule
26 06 30  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  Remote-Controlled Dimming Stations
26 09 36  Modular Dimming Controls
26 09 36.13  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

26 10 00  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

26 20 00  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 Enclosed Switches and Circuit Breakers
26 28 16.13 Enclosed Circuit Breakers
26 28 16.16 Enclosed Switches

26 29 00 Low-Voltage Controllers
26 29 13 Enclosed Controllers
26 29 13.13 Across-the-Line Motor Controllers
26 29 13.16 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

26 30 00 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 Wind Energy Equipment
26 32 26 Frequency Changers
26 32 29 Rotary Converters
26 32 33 Rotary Uninterruptible Power Units
26 32 36 Resistive Load Banks

26 33 00 Battery Equipment
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
26 33 53  Static Uninterruptible Power Supply

26 35 00  Power Filters and Conditioners
   26 35 13  Capacitors
   26 35 16  Chokes and Inductors
   26 35 23  Electromagnetic-Interference Filters
   26 35 26  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  Theatrical Lighting
   26 55 63  Detention Lighting
   26 55 70  Healthcare 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  Operation and Maintenance of Structured Cabling and Enclosures
       27 01 20  Operation and Maintenance of Data Communications
       27 01 30  Operation and Maintenance of Voice Communications
       27 01 40  Operation and Maintenance of Audio-Video Communications
       27 01 50  Operation and Maintenance of Distributed Communications and Monitoring
27 05 00  Common Work Results for Communications
       27 05 05  Selective Demolition for Communications
       27 05 13  Communications Services
       27 05 13.13  Dialtone Services
       27 05 13.23  T1 Services
       27 05 13.33  DSL Services
       27 05 13.43  Cable Services
       27 05 13.53  Satellite Services
       27 05 26  Grounding and Bonding for Communications Systems
       27 05 28  Pathways for Communications Systems
       27 05 29  Hangers and Supports for Communications Systems
       27 05 33  Conduits and Backboxes for Communications Systems
       27 05 36  Cable Trays for Communications Systems
       27 05 39  Surface Raceways for Communications Systems
       27 05 43  Underground Ducts and Raceways for Communications Systems
       27 05 46  Utility Poles for Communications Systems
       27 05 48  Vibration and Seismic Controls for Communications Systems
       27 05 53  Identification for Communications Systems
27 06 00  Schedules for Communications
       27 06 10  Schedules for Structured Cabling and Enclosures
       27 06 20  Schedules for Data Communications
       27 06 30  Schedules for Voice Communications
       27 06 40  Schedules for Audio-Video Communications
       27 06 50  Schedules for Distributed Communications and Monitoring
27 08 00  Commissioning of Communications
27 10 00  Structured Cabling
27 11 00  Communications Equipment Room Fittings
       27 11 13  Communications Entrance Protection
       27 11 16  Communications Cabinets, Racks, Frames, and Enclosures
       27 11 19  Communications Termination Blocks and Patch Panels
       27 11 23  Communications Cable Management and Ladder Rack
       27 11 26  Communications Rack Mounted Power Protection and Power Strips
27 13 00  Communications Backbone Cabling
       27 13 13  Communications Copper Backbone Cabling
       27 13 13.13  Communications Copper Cable Splicing and Terminations
       27 13 23  Communications Optical Fiber Backbone Cabling
       27 13 23.13  Communications Optical Fiber Splicing and Terminations
       27 13 33  Communications Coaxial Backbone Cabling
       27 13 33.13  Communications Coaxial Splicing and Terminations
       27 13 43  Communications Services Cabling
27 13 43.13 Dialtone Services Cabling  
27 13 43.23 T1 Services Cabling  
27 13 43.33 DSL Services Cabling  
27 13 43.43 Cable Services Cabling  
27 13 43.53 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 Patient Monitoring and Telemetry Communications Horizontal Cabling  
27 15 01.43 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

27 20 00 Data Communications  
27 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 21 33 Data Communications Wireless Access Points

27 22 00 Data Communications Hardware  
27 22 13 Data Communications Mainframes  
27 22 16 Data Communications Storage and Backup  
27 22 19 Data Communications Servers  
27 22 23 Data Communications Desktops  
27 22 26 Data Communications Laptops  
27 22 29 Data Communications Handhelds

27 24 00 Data Communications Peripheral Data Equipment  
27 24 13 Printers  
27 24 16 Scanners  
27 24 19 External Drives  
27 24 23 Audio-Video Devices  
27 24 26 Virtual Reality Equipment  
27 24 29 Disaster Recovery Equipment

27 25 00 Data Communications Software  
27 25 13 Virus Protection Software  
27 25 16 Application Suites
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

27 26 00  Data Communications Programming and Integration 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

27 31 00  Voice Communications Switching and Routing Equipment
27 31 13  PBX/Key Systems
27 31 23  Internet Protocol Voice Switches

27 32 00  Voice Communications Terminal Equipment
27 32 13  Telephone Sets
27 32 16  Wireless Transceivers
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

27 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

27 41 00  Audio-Video Systems
27 41 13  Architecturally Integrated Audio-Video Equipment
27 41 16  Integrated Audio-Video Systems and Equipment
27 41 16.25  Integrated Audio-Video Systems and Equipment for Restaurants and Bars
27 41 16.28  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
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<thead>
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<td>Integrated Audio-Video Systems and Equipment for Stadiums and Arenas</td>
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   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  Revisions and Upgrades of Electronic Access Control and Intrusion Detection
      28 01 20  Operation and Maintenance of Electronic Surveillance
      28 01 30  Operation and Maintenance of Electronic Detection and Alarm
      28 01 30.51  Maintenance and Administration of Electronic Detection and Alarm
      28 01 30.71  Revisions and Upgrades of Electronic Detection and Alarm
      28 01 40  Operation and Maintenance of Electronic Monitoring and Control
      28 01 40.51  Maintenance and Administration of Electronic Monitoring and Control
      28 01 40.71  Revisions and Upgrades of Electronic Monitoring and Control
   28 05 00  Common Work Results for Electronic Safety and Security
      28 05 05  Selective Demolition for Electronic Safety and Security
      28 05 13  Conductors and Cables for Electronic Safety and Security
      28 05 13.13  CCTV Communications Conductors and Cables
      28 05 13.16  Access Control Communications Conductors and Cables
      28 05 13.19  Intrusion Detection Communications Conductors and Cables
      28 05 13.23  Fire Alarm Communications Conductors and Cables
      28 05 26  Grounding and Bonding for Electronic Safety and Security
      28 05 28  Pathways for Electronic Safety and Security
      28 05 28.29  Hangers and Supports for Electronic Safety and Security
      28 05 28.33  Conduits and Backboxes for Electronic Safety and Security
      28 05 28.36  Cable Trays for Electronic Safety and Security
      28 05 28.39  Surface Raceways for Electronic Safety and Security
      28 05 48  Vibration and Seismic Controls for Electronic Safety and Security
      28 05 53  Identification for Electronic Safety and Security
   28 06 00  Schedules for Electronic Safety and Security
      28 06 10  Schedules for Electronic Access Control and Intrusion Detection
      28 06 20  Schedules for Electronic Surveillance
      28 06 30  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  Electronic Access Control and Intrusion Detection
      28 13 00  Access Control
         28 13 13  Access Control Global Applications
         28 13 16  Access Control Systems and Database Management
         28 13 19  Access Control Systems Infrastructure
         28 13 26  Access Control Remote Devices
         28 13 26.11  Wireless Access Control Devices
         28 13 33  Access Control Interfaces
         28 13 33.16  Access Control Interfaces to Access Control Hardware
         28 13 33.26  Access Control Interfaces to Intrusion Detection

111
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 Security Access Metal Detectors
28 13 53.16 Security Access X-Ray Equipment
28 13 53.23 Security Access Explosive Detection Equipment
28 13 53.29 Security Access Sniffing Equipment
28 13 63 Access Control Vehicle Identification System

28 16 00 Intrusion Detection
28 16 13 Intrusion Detection Control, GUI, and Logic Systems
28 16 16 Intrusion Detection Systems Infrastructure
28 16 19 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 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 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
28 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 Fire Detection and Alarm Interfaces to Video Surveillance
28 31 33.43 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 Maintenance of Special Foundations and Load Bearing Elements
31 01 62 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 Selective Demolition for Earthwork
31 05 13 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 Geogrids for Earthwork
31 05 19.23 Geosynthetic Clay Liners
31 05 19.29 Geocomposites
31 05 19.29 Geonets
31 05 23 Cement and Concrete for Earthwork

31 06 00 Schedules for Earthwork
31 06 10 Schedules for Clearing
31 06 20 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 Schedules for Special Foundations and Load Bearing Elements
31 06 60.13 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 Dynamic Pile Load Testing
31 08 13.16 Static Pile Load Testing

31 09 00 Geotechnical Instrumentation and Monitoring of 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  Selective Tree and Shrub Removal and Trimming
   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  Trenching
   31 23 16.16  Structural Excavation for Minor Structures
   31 23 16.26  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
   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  Rolled Erosion Control Mats and Blankets
   31 25 24  Structural Measures for Erosion and Sedimentation Control
   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 Rodent Control
31 31 13.16 Rodent Control Bait Systems
31 31 13.19 Rodent Control Traps
31 31 13.23 Rodent Control Electronic Systems
31 31 13.26 Rodent Control Repellants
31 31 16 Termite Control
31 31 16.13 Chemical Termite Control
31 31 16.16 Termite Control Bait Systems
31 31 16.19 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 Cement Soil Stabilization
31 32 13.19 Lime Soil Stabilization
31 32 13.23 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 Geosynthetic Soil Stabilization and Layer Separation
31 32 19.13 Geogrid Soil Stabilization
31 32 19.16 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 Cementitious Pressure Grouting Soil Stabilization
31 32 23.16 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 Jet-Grouted Soil Nailing
31 32 36.26 Launched Soil Nailing

31 33 00 Rock Stabilization
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 Fiber Soil Reinforcement
31 34 23.13 Geosynthetic Fiber Soil Reinforcement

31 35 00 Slope Protection
31 35 19 Geosynthetic Slope Protection
31 35 19.13 Geogrid Slope Protection
31 35 19.16 Geotextile Slope Protection
<table>
<thead>
<tr>
<th>MasterFormat® 2014 – Numbers and Titles</th>
<th>February 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 35 19.19 Slope Protection with Mulch Control Netting</td>
<td></td>
</tr>
<tr>
<td>31 35 23 Slope Protection with Slope Paving</td>
<td></td>
</tr>
<tr>
<td>31 35 23.13 Cast-In-Place Concrete Slope Paving</td>
<td></td>
</tr>
<tr>
<td>31 35 23.16 Precast Concrete Slope Paving</td>
<td></td>
</tr>
<tr>
<td>31 35 23.19 Concrete Unit Masonry Slope Paving</td>
<td></td>
</tr>
<tr>
<td>31 35 26 Containment Barriers</td>
<td></td>
</tr>
<tr>
<td>31 35 26.13 Clay Containment Barriers</td>
<td></td>
</tr>
<tr>
<td>31 35 26.16 Geomembrane Containment Barriers</td>
<td></td>
</tr>
<tr>
<td>31 35 26.23 Bentonite Slurry Trench</td>
<td></td>
</tr>
<tr>
<td>31 36 00 Gabions</td>
<td></td>
</tr>
<tr>
<td>31 36 13 Gabion Boxes</td>
<td></td>
</tr>
<tr>
<td>31 36 19 Gabion Mattresses</td>
<td></td>
</tr>
<tr>
<td>31 36 19.13 Vegetated Gabion Mattresses</td>
<td></td>
</tr>
<tr>
<td>31 37 00 Riprap</td>
<td></td>
</tr>
<tr>
<td>31 37 13 Machined Riprap</td>
<td></td>
</tr>
<tr>
<td>31 37 16 Non-Machined Riprap</td>
<td></td>
</tr>
<tr>
<td>31 37 16.13 Concrete Unit Masonry Riprap</td>
<td></td>
</tr>
<tr>
<td>31 37 16.19 Sacked Sand-Cement Riprap</td>
<td></td>
</tr>
<tr>
<td>31 40 00 Shoring and Underpinning</td>
<td></td>
</tr>
<tr>
<td>31 41 00 Shoring</td>
<td></td>
</tr>
<tr>
<td>31 41 13 Timber Shoring</td>
<td></td>
</tr>
<tr>
<td>31 41 16 Sheet Piling</td>
<td></td>
</tr>
<tr>
<td>31 41 16.13 Steel Sheet Piling</td>
<td></td>
</tr>
<tr>
<td>31 41 16.16 Plastic Sheet Piling</td>
<td></td>
</tr>
<tr>
<td>31 41 19 Metal Hydraulic Shoring</td>
<td></td>
</tr>
<tr>
<td>31 41 19.13 Aluminum Hydraulic Shoring</td>
<td></td>
</tr>
<tr>
<td>31 41 23 Pneumatic Shoring</td>
<td></td>
</tr>
<tr>
<td>31 41 33 Trench Shielding</td>
<td></td>
</tr>
<tr>
<td>31 43 00 Concrete Raising</td>
<td></td>
</tr>
<tr>
<td>31 43 13 Pressure Grouting</td>
<td></td>
</tr>
<tr>
<td>31 43 13.13 Concrete Pressure Grouting</td>
<td></td>
</tr>
<tr>
<td>31 43 13.16 Polyurethane Pressure Grouting</td>
<td></td>
</tr>
<tr>
<td>31 43 16 Compaction Grouting</td>
<td></td>
</tr>
<tr>
<td>31 43 19 Mechanical Jacking</td>
<td></td>
</tr>
<tr>
<td>31 45 00 Vibroflotation and Densification</td>
<td></td>
</tr>
<tr>
<td>31 45 13 Vibroflotation</td>
<td></td>
</tr>
<tr>
<td>31 45 16 Densification</td>
<td></td>
</tr>
<tr>
<td>31 46 00 Needle Beams</td>
<td></td>
</tr>
<tr>
<td>31 46 13 Cantilever Needle Beams</td>
<td></td>
</tr>
<tr>
<td>31 48 00 Underpinning</td>
<td></td>
</tr>
<tr>
<td>31 48 13 Underpinning Piers</td>
<td></td>
</tr>
<tr>
<td>31 48 19 Bracket Piers</td>
<td></td>
</tr>
<tr>
<td>31 48 23 Jacked Piers</td>
<td></td>
</tr>
<tr>
<td>31 48 33 Micropile Underpinning</td>
<td></td>
</tr>
<tr>
<td>31 50 00 Excavation Support and Protection</td>
<td></td>
</tr>
<tr>
<td>31 51 00 Anchor Tiebacks</td>
<td></td>
</tr>
<tr>
<td>31 51 13 Excavation Soil Anchors</td>
<td></td>
</tr>
<tr>
<td>31 51 16 Excavation Rock Anchors</td>
<td></td>
</tr>
</tbody>
</table>
### 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

### 31 56 00 Slurry Walls
- **31 56 13** Bentonite Slurry Walls
- **31 56 13.13** 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

### 31 62 00 Driven Piles
- **31 62 13** Concrete Piles
- **31 62 13.13** Cast-in-Place Concrete Piles
- **31 62 13.16** Concrete Displacement Piles
- **31 62 13.19** Precast Concrete Piles
- **31 62 13.23** 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
- **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** Bored and Socketed Piles
- **31 63 19.13** 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 29.13** Uncased Drilled Concrete Piers
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 63 29.16</td>
<td>Cased Drilled Concrete Piers</td>
</tr>
<tr>
<td>31 63 33</td>
<td>Drilled Micropiles</td>
</tr>
<tr>
<td><strong>31 64 00</strong></td>
<td><strong>Caissons</strong></td>
</tr>
<tr>
<td>31 64 13</td>
<td>Box Caissons</td>
</tr>
<tr>
<td>31 64 16</td>
<td>Excavated Caissons</td>
</tr>
<tr>
<td>31 64 19</td>
<td>Floating Caissons</td>
</tr>
<tr>
<td>31 64 23</td>
<td>Open Caissons</td>
</tr>
<tr>
<td>31 64 26</td>
<td>Pneumatic Caissons</td>
</tr>
<tr>
<td>31 64 29</td>
<td>Sheeted Caissons</td>
</tr>
<tr>
<td><strong>31 66 00</strong></td>
<td><strong>Special Foundations</strong></td>
</tr>
<tr>
<td>31 66 13</td>
<td>Special Piles</td>
</tr>
<tr>
<td>31 66 13.13</td>
<td>Rammed Aggregate Piles</td>
</tr>
<tr>
<td>31 66 15</td>
<td>Helical Foundation Piles</td>
</tr>
<tr>
<td>31 66 16</td>
<td>Special Foundation Walls</td>
</tr>
<tr>
<td>31 66 16.13</td>
<td>Anchored Foundation Walls</td>
</tr>
<tr>
<td>31 66 16.23</td>
<td>Concrete Cribbing Foundation Walls</td>
</tr>
<tr>
<td>31 66 16.26</td>
<td>Metal Cribbing Foundation Walls</td>
</tr>
<tr>
<td>31 66 16.33</td>
<td>Manufactured Modular Foundation Walls</td>
</tr>
<tr>
<td>31 66 16.43</td>
<td>Mechanically Stabilized Earth Foundation Walls</td>
</tr>
<tr>
<td>31 66 16.46</td>
<td>Slurry Diaphragm Foundation Walls</td>
</tr>
<tr>
<td>31 66 16.53</td>
<td>Soldier-Beam Foundation Walls</td>
</tr>
<tr>
<td>31 66 16.56</td>
<td>Permanently-Anchored Soldier-Beam Foundation Walls</td>
</tr>
<tr>
<td>31 66 19</td>
<td>Refrigerated Foundations</td>
</tr>
<tr>
<td><strong>31 68 00</strong></td>
<td><strong>Foundation Anchors</strong></td>
</tr>
<tr>
<td>31 68 13</td>
<td>Rock Foundation Anchors</td>
</tr>
<tr>
<td>31 68 16</td>
<td>Helical Foundation Anchors</td>
</tr>
<tr>
<td><strong>31 70 00</strong></td>
<td><strong>Tunneling and Mining</strong></td>
</tr>
<tr>
<td><strong>31 71 00</strong></td>
<td><strong>Tunnel Excavation</strong></td>
</tr>
<tr>
<td>31 71 13</td>
<td>Shield Driving Tunnel Excavation</td>
</tr>
<tr>
<td>31 71 16</td>
<td>Tunnel Excavation by Drilling and Blasting</td>
</tr>
<tr>
<td>31 71 19</td>
<td>Tunnel Excavation by Tunnel Boring Machine</td>
</tr>
<tr>
<td>31 71 23</td>
<td>Tunneling by Cut and Cover</td>
</tr>
<tr>
<td><strong>31 72 00</strong></td>
<td><strong>Tunnel Support Systems</strong></td>
</tr>
<tr>
<td>31 72 13</td>
<td>Rock Reinforcement and Initial Support</td>
</tr>
<tr>
<td>31 72 16</td>
<td>Steel Ribs and Lagging</td>
</tr>
<tr>
<td><strong>31 73 00</strong></td>
<td><strong>Tunnel Grouting</strong></td>
</tr>
<tr>
<td>31 73 13</td>
<td>Cement Tunnel Grouting</td>
</tr>
<tr>
<td>31 73 16</td>
<td>Chemical Tunnel Grouting</td>
</tr>
<tr>
<td><strong>31 74 00</strong></td>
<td><strong>Tunnel Construction</strong></td>
</tr>
<tr>
<td>31 74 13</td>
<td>Cast-in-Place Concrete Tunnel Lining</td>
</tr>
<tr>
<td>31 74 16</td>
<td>Precast Concrete Tunnel Lining</td>
</tr>
<tr>
<td>31 74 19</td>
<td>Shotcrete Tunnel Lining</td>
</tr>
<tr>
<td><strong>31 75 00</strong></td>
<td><strong>Shaft Construction</strong></td>
</tr>
<tr>
<td>31 75 13</td>
<td>Cast-in-Place Concrete Shaft Lining</td>
</tr>
<tr>
<td>31 75 16</td>
<td>Precast Concrete Shaft Lining</td>
</tr>
<tr>
<td><strong>31 77 00</strong></td>
<td><strong>Submersible Tube Tunnels</strong></td>
</tr>
<tr>
<td>31 77 13</td>
<td>Trench Excavation for Submerged Tunnels</td>
</tr>
<tr>
<td>31 77 16</td>
<td>Tube Construction (Outfitting Tunnel Tubes)</td>
</tr>
<tr>
<td>31 77 19</td>
<td>Floating and Laying Submerged Tunnels</td>
</tr>
</tbody>
</table>
32 00 00 Exterior Improvements

32 01 00 Operation and Maintenance of Exterior Improvements

32 01 11 Paving Cleaning
32 01 11.51 Rubber and Paint Removal from Paving
32 01 11.52 Rubber Removal from Paving
32 01 11.53 Paint Removal from Paving
32 01 13 Flexible Paving Surface Treatment
32 01 13.61 Slurry Seal (Latex Modified)
32 01 13.62 Asphalt Surface Treatment
32 01 16 Flexible Paving Rehabilitation
32 01 16.71 Cold Milling Asphalt Paving
32 01 16.72 Asphalt Paving Reuse
32 01 16.73 In Place Cold Reused Asphalt Paving
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
32 01 17.61 Sealing Cracks in Asphalt Paving
32 01 17.62 Stress-Absorbing Membrane Interlayer
32 01 19 Rigid Paving Surface Treatment
32 01 19.61 Sealing of Joints in Rigid Paving
32 01 19.62 Patching of Rigid Paving
32 01 23 Base Course Reconditioning
32 01 26 Rigid Paving Rehabilitation
32 01 26.71 Grooving of Concrete Paving
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
32 01 29.61 Partial Depth Patching of Rigid Paving
32 01 29.62 Concrete Paving Raising
32 01 29.63 Subsealing and Stabilization
32 01 30 Operation and Maintenance of Site Improvements
32 01 30.13 Snow Removal
32 01 80 Operation and Maintenance of Irrigation
32 01 90 Operation and Maintenance of Planting
32 01 90.13 Fertilizing
32 01 90.16 Amending Soils
32 01 90.19 Mowing
32 01 90.23 Pruning
32 01 90.26 Watering
32 01 90.29 Topsoil Preservation
32 01 90.33 Tree and Shrub Preservation

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
32 05 33  Common Work Results for Planting

32 06 00  Schedules for Exterior Improvements
  32 06 10  Schedules for Bases, Ballasts, and Paving
  32 06 10.13  Pedestrian Walkway Schedule
  32 06 30  Schedules for Site Improvements
  32 06 30.13  Retaining Wall Schedule
  32 06 80  Schedules for Irrigation
  32 06 80.13  Irrigation Piping Schedule
  32 06 90  Schedules for Planting
  32 06 90.13  Planting Schedule

32 08 00  Commissioning of Exterior Improvements

32 10 00  Bases, Ballasts, and Paving

32 11 00  Base Courses
  32 11 13  Subgrade Modifications
  32 11 13.13  Lime-Treated Subgrades
  32 11 13.16  Bituminous-Treated Subgrades
  32 11 16  Subbase Courses
  32 11 16.13  Sand-Clay Subbase Courses
  32 11 16.16  Aggregate Subbase Courses
  32 11 23  Aggregate Base Courses
  32 11 23.13  Sand-Clay Base Courses
  32 11 23.23  Base Course Drainage Layers
  32 11 26  Asphalitic Base Courses
  32 11 26.13  Plant Mix Asphalitic Base Courses
  32 11 26.16  Road Mix Asphalitic Base Courses
  32 11 26.19  Bituminous-Stabilized Base Courses
  32 11 29  Lime Treated Base Courses
  32 11 29.13  Lime-Fly Ash-Treated Base Courses
  32 11 33  Cement-Treated Base Courses
  32 11 33.13  Portland Cement-Stabilized Base Courses
  32 11 36  Concrete Base Courses
  32 11 36.11  Soil-Cement Concrete Base Courses
  32 11 36.13  Lean Concrete Base Courses
  32 11 36.16  Plain Cement Concrete Base Courses
  32 11 36.19  Hydraulic Cement Concrete Base Courses
  32 11 39  Shell Base Course

32 12 00  Flexible Paving
  32 12 13  Preparatory Coats
  32 12 13.13  Tack Coats
  32 12 13.16  Asphalitic Tack Coats
  32 12 13.19  Prime Coats
  32 12 13.23  Asphalitic Prime Coats
  32 12 16  Asphalt Paving
  32 12 16.13  Plant-Mix Asphalt Paving
  32 12 16.16  Road-Mix Asphalt Paving
  32 12 16.19  Cold-Mix Asphalt Paving
  32 12 16.23  Reinforced Asphalt Paving
  32 12 16.26  Fiber-Modified Asphalt Paving
  32 12 16.29  Polymer-Modified Asphalt Paving
  32 12 16.33  Granulated Rubber-Modified Asphalt Paving
  32 12 16.36  Athletic Asphalt Paving
  32 12 19  Asphalt Paving Wearing Courses
32 12 19.13 Road-Mix Asphalt Paving Wearing Courses
32 12 19.16 Resin-Modified Asphalt Paving Wearing Courses
32 12 19.19 Porous Friction Asphalt Paving Wearing Courses
32 12 33 Flexible Paving Surface Treatments
32 12 36 Seal Coats
32 12 36.13 Asphaltic Seal and Fog Coats
32 12 36.16 Coal Tar Seal Coats
32 12 36.19 Coal Tar Seal Coats with Unvulcanized Rubber
32 12 36.23 Fuel-Resistant Sealers
32 12 43 Porous Flexible Paving
32 12 73 Asphalt Paving Joint Sealants

32 13 00 Rigid Paving
32 13 13 Concrete Paving
32 13 13.13 Exposed Aggregate Concrete Paving
32 13 13.16 Power-Compacted Concrete Paving
32 13 13.17 Roller-Compacted Concrete Paving
32 13 13.19 Prestressed Concrete Paving
32 13 13.23 Concrete Paving Surface Treatment
32 13 13.26 Stained Concrete Paving
32 13 13.33 Plain Concrete Paving
32 13 16 Decorative Concrete Paving
32 13 16.13 Patterned Concrete Paving
32 13 16.19 Imprinted Concrete Paving
32 13 16.23 Stamped Concrete Paving
32 13 43 Porous Concrete Paving
32 13 73 Concrete Paving Joint Sealants
32 13 73.13 Fuel-Resistant Concrete Paving Joint Sealants
32 13 73.16 Field-Molded Concrete Paving Joint Sealants
32 13 73.19 Compression Concrete Paving Joint Sealants

32 14 00 Unit Paving
32 14 13 Precast Concrete Unit Paving
32 14 13.13 Interlocking Precast Concrete Unit Paving
32 14 13.16 Precast Concrete Unit Paving Slabs
32 14 13.19 Porous Precast Concrete Unit Paving
32 14 16 Brick Unit Paving
32 14 23 Asphalt Unit Paving
32 14 26 Wood Paving
32 14 29 Recycled-Rubber Paving
32 14 40 Stone Paving
32 14 43 Porous Unit Paving

32 15 00 Aggregate Surfacing
32 15 13 Cinder Surfacing
32 15 40 Crushed Stone Surfacing
32 15 50 Aggregate-Turf Pavement

32 16 00 Curbs, Gutters, Sidewalks, and Driveways
32 16 13 Curbs and Gutters
32 16 13.13 Cast-In-Place Concrete Curbs and Gutters
32 16 13.16 Steel Faced Curbs
32 16 13.23 Precast Concrete Curbs and Gutters
32 16 13.33 Asphalt Curbs
32 16 13.43 Stone Curbs
32 16 23 Sidewalks
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 16 33</td>
<td>Driveways</td>
</tr>
<tr>
<td>32 17 00</td>
<td><strong>Paving Specialties</strong></td>
</tr>
<tr>
<td>32 17 13</td>
<td>Parking Bumpers</td>
</tr>
<tr>
<td>32 17 13.13</td>
<td>Metal Parking Bumpers</td>
</tr>
<tr>
<td>32 17 13.16</td>
<td>Plastic Parking Bumpers</td>
</tr>
<tr>
<td>32 17 13.19</td>
<td>Precast Concrete Parking Bumpers</td>
</tr>
<tr>
<td>32 17 13.23</td>
<td>Rubber Parking Bumpers</td>
</tr>
<tr>
<td>32 17 13.26</td>
<td>Wood Parking Bumpers</td>
</tr>
<tr>
<td>32 17 16</td>
<td>Speed Bumps</td>
</tr>
<tr>
<td>32 17 23</td>
<td>Pavement Markings</td>
</tr>
<tr>
<td>32 17 23.13</td>
<td>Painted Pavement Markings</td>
</tr>
<tr>
<td>32 17 23.23</td>
<td>Raised Pavement Markings</td>
</tr>
<tr>
<td>32 17 23.33</td>
<td>Plastic Pavement Markings</td>
</tr>
<tr>
<td>32 17 26</td>
<td>Tactile Warning Surfacing</td>
</tr>
<tr>
<td>32 17 29</td>
<td>Pavement Embedded Warning Lights</td>
</tr>
<tr>
<td>32 17 43</td>
<td>Pavement Snow Melting Systems</td>
</tr>
<tr>
<td>32 18 00</td>
<td><strong>Athletic and Recreational Surfacing</strong></td>
</tr>
<tr>
<td>32 18 13</td>
<td>Synthetic Grass Surfacing</td>
</tr>
<tr>
<td>32 18 16</td>
<td>Synthetic Resilient Surfacing</td>
</tr>
<tr>
<td>32 18 16.13</td>
<td>Playground Protective Surfacing</td>
</tr>
<tr>
<td>32 18 23</td>
<td>Athletic Surfacing</td>
</tr>
<tr>
<td>32 18 23.13</td>
<td>Baseball Field Surfacing</td>
</tr>
<tr>
<td>32 18 23.16</td>
<td>Natural Baseball Field Surfacing</td>
</tr>
<tr>
<td>32 18 23.19</td>
<td>Synthetic Baseball Field Surfacing</td>
</tr>
<tr>
<td>32 18 23.23</td>
<td>Field Sport Surfacing</td>
</tr>
<tr>
<td>32 18 23.26</td>
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</tr>
<tr>
<td>32 18 23.29</td>
<td>Synthetic Field Sport Surfacing</td>
</tr>
<tr>
<td>32 18 23.33</td>
<td>Running Track Surfacing</td>
</tr>
<tr>
<td>32 18 23.36</td>
<td>Natural Running Track Surfacing</td>
</tr>
<tr>
<td>32 18 23.39</td>
<td>Synthetic Running Track Surfacing</td>
</tr>
<tr>
<td>32 18 23.43</td>
<td>Recreational Court Surfacing</td>
</tr>
<tr>
<td>32 18 23.53</td>
<td>Tennis Court Surfacing</td>
</tr>
<tr>
<td>32 18 23.56</td>
<td>Natural Tennis Court Surfacing</td>
</tr>
<tr>
<td>32 18 23.59</td>
<td>Synthetic Tennis Court Surfacing</td>
</tr>
<tr>
<td>32 30 00</td>
<td><strong>Site Improvements</strong></td>
</tr>
<tr>
<td>32 31 00</td>
<td>Fences and Gates</td>
</tr>
<tr>
<td>32 31 11</td>
<td>Gate Operators</td>
</tr>
<tr>
<td>32 31 13</td>
<td>Chain Link Fences and Gates</td>
</tr>
<tr>
<td>32 31 13.23</td>
<td>Recreational Court Fences and Gates</td>
</tr>
<tr>
<td>32 31 13.26</td>
<td>Tennis Court Fences and Gates</td>
</tr>
<tr>
<td>32 31 13.29</td>
<td>Tennis Court Wind Breaker</td>
</tr>
<tr>
<td>32 31 13.33</td>
<td>Chain Link Backstops</td>
</tr>
<tr>
<td>32 31 13.53</td>
<td>High-Security Chain Link Fences and Gates</td>
</tr>
<tr>
<td>32 31 16</td>
<td>Welded Wire Fences and Gates</td>
</tr>
<tr>
<td>32 31 17</td>
<td>Expanded Metal Fences and Gates</td>
</tr>
<tr>
<td>32 31 19</td>
<td>Decorative Metal Fences and Gates</td>
</tr>
<tr>
<td>32 31 23</td>
<td>Plastic Fences and Gates</td>
</tr>
<tr>
<td>32 31 26</td>
<td>Wire Fences and Gates</td>
</tr>
<tr>
<td>32 31 26.11</td>
<td>Wire Fences with Wood Posts</td>
</tr>
<tr>
<td>32 31 26.13</td>
<td>Wire Fences with Steel Posts</td>
</tr>
<tr>
<td>32 31 29</td>
<td>Wood Fences and Gates</td>
</tr>
<tr>
<td>32 31 32</td>
<td>Composite Fences and Gates</td>
</tr>
<tr>
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<td>Description</td>
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<td>32 31 53</td>
<td>Cattle Guards</td>
</tr>
<tr>
<td>32 31 56</td>
<td>Wild Life Deterrent Fence</td>
</tr>
<tr>
<td><strong>32 32 00</strong></td>
<td><strong>Retaining Walls</strong></td>
</tr>
<tr>
<td>32 32 13</td>
<td>Cast-in-Place Concrete Retaining Walls</td>
</tr>
<tr>
<td>32 32 16</td>
<td>Precast Concrete Retaining Walls</td>
</tr>
<tr>
<td>32 32 19</td>
<td>Unit Masonry Retaining Walls</td>
</tr>
<tr>
<td>32 32 23</td>
<td>Segmental Retaining Walls</td>
</tr>
<tr>
<td>32 32 23.13</td>
<td>Segmental Concrete Unit Masonry Retaining Walls</td>
</tr>
<tr>
<td>32 32 23.16</td>
<td>Manufactured Modular Walls</td>
</tr>
<tr>
<td>32 32 26</td>
<td>Metal Crib Retaining Walls</td>
</tr>
<tr>
<td>32 32 29</td>
<td>Timber Retaining Walls</td>
</tr>
<tr>
<td>32 32 34</td>
<td>Reinforced Soil Retaining Walls</td>
</tr>
<tr>
<td>32 32 36</td>
<td>Gabion Retaining Walls</td>
</tr>
<tr>
<td>32 32 43</td>
<td>Soldier-Beam Retaining Walls</td>
</tr>
<tr>
<td>32 32 53</td>
<td>Stone Retaining Walls</td>
</tr>
<tr>
<td><strong>32 33 00</strong></td>
<td><strong>Site Furnishings</strong></td>
</tr>
<tr>
<td>32 33 13</td>
<td>Site Bicycle Racks</td>
</tr>
<tr>
<td>32 33 14</td>
<td>Site Bicycle Lockers</td>
</tr>
<tr>
<td>32 33 23</td>
<td>Site Trash and Litter Receptacles</td>
</tr>
<tr>
<td>32 33 33</td>
<td>Site Manufactured Planters</td>
</tr>
<tr>
<td>32 33 43</td>
<td>Site Seating and Tables</td>
</tr>
<tr>
<td>32 33 43.13</td>
<td>Site Seating</td>
</tr>
<tr>
<td>32 33 43.53</td>
<td>Site Tables</td>
</tr>
<tr>
<td><strong>32 34 00</strong></td>
<td><strong>Fabricated Bridges</strong></td>
</tr>
<tr>
<td>32 34 13</td>
<td>Fabricated Pedestrian Bridges</td>
</tr>
<tr>
<td>32 34 23</td>
<td>Fabricated Roadway Bridges</td>
</tr>
<tr>
<td>32 34 33</td>
<td>Fabricated Railway Bridges</td>
</tr>
<tr>
<td><strong>32 35 00</strong></td>
<td><strong>Screening Devices</strong></td>
</tr>
<tr>
<td>32 35 13</td>
<td>Screens and Louvers</td>
</tr>
<tr>
<td>32 35 16</td>
<td>Sound Barriers</td>
</tr>
<tr>
<td>32 35 23</td>
<td>Fire Barriers</td>
</tr>
<tr>
<td>32 35 26</td>
<td>Blast Barriers</td>
</tr>
<tr>
<td><strong>32 39 00</strong></td>
<td><strong>Manufactured Site Specialties</strong></td>
</tr>
<tr>
<td>32 39 13</td>
<td>Manufactured Metal Bollards</td>
</tr>
<tr>
<td>32 39 33</td>
<td>Artificial Rock Fabrications</td>
</tr>
<tr>
<td><strong>32 70 00</strong></td>
<td><strong>Wetlands</strong></td>
</tr>
<tr>
<td><strong>32 71 00</strong></td>
<td><strong>Constructed Wetlands</strong></td>
</tr>
<tr>
<td><strong>32 72 00</strong></td>
<td><strong>Wetlands Restoration</strong></td>
</tr>
<tr>
<td><strong>32 80 00</strong></td>
<td><strong>Irrigation</strong></td>
</tr>
<tr>
<td><strong>32 81 00</strong></td>
<td><strong>Irrigation Components</strong></td>
</tr>
<tr>
<td>32 81 13</td>
<td>Irrigation Intake Screens</td>
</tr>
<tr>
<td><strong>32 82 00</strong></td>
<td><strong>Irrigation Pumps</strong></td>
</tr>
<tr>
<td><strong>32 84 00</strong></td>
<td><strong>Planting Irrigation</strong></td>
</tr>
<tr>
<td>32 84 13</td>
<td>Drip Irrigation</td>
</tr>
<tr>
<td>32 84 23</td>
<td>Underground Sprinklers</td>
</tr>
<tr>
<td><strong>32 86 00</strong></td>
<td><strong>Agricultural Irrigation</strong></td>
</tr>
</tbody>
</table>
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 Landscape Grading
  32 91 19.13 Topsoil Placement and Grading

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
  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 Exterior Planting Support Structures

32 96 00 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

33 01 10 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 Plastic Public Water Utility Distribution Piping
  33 11 13.26 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 Aboveground Water Utility Storage Tanks
  33 16 13.13 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
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>33 23 00</td>
<td>Extraction Wells</td>
</tr>
<tr>
<td>33 24 00</td>
<td>Monitoring Wells</td>
</tr>
<tr>
<td>33 24 13</td>
<td>Groundwater Monitoring Wells</td>
</tr>
<tr>
<td>33 25 00</td>
<td>Recharge Wells</td>
</tr>
<tr>
<td>33 26 00</td>
<td>Relief Wells</td>
</tr>
<tr>
<td>33 29 00</td>
<td>Well Abandonment</td>
</tr>
<tr>
<td>33 30 00</td>
<td>Sanitary Sewerage Utilities</td>
</tr>
<tr>
<td>33 31 00</td>
<td>Sanitary Utility Sewerage Piping</td>
</tr>
<tr>
<td>33 31 13</td>
<td>Public Sanitary Utility Sewerage Piping</td>
</tr>
<tr>
<td>33 31 16</td>
<td>Industrial Waste Utility Sewerage Piping</td>
</tr>
<tr>
<td>33 32 00</td>
<td>Wastewater Utility Pumping Stations</td>
</tr>
<tr>
<td>33 32 13</td>
<td>Packaged Utility Lift Stations</td>
</tr>
<tr>
<td>33 32 13.13</td>
<td>Packaged Sewage Lift Stations, Wet Well Type</td>
</tr>
<tr>
<td>33 32 16</td>
<td>Packaged Utility Wastewater Pumping Stations</td>
</tr>
<tr>
<td>33 32 16.13</td>
<td>Packaged Sewage Grinder Pumping Units</td>
</tr>
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<td>Public Utility Wastewater Pumping Stations</td>
</tr>
<tr>
<td>33 33 00</td>
<td>Low Pressure Utility Sewerage</td>
</tr>
<tr>
<td>33 33 13</td>
<td>Sanitary Utility Sewerage</td>
</tr>
<tr>
<td>33 33 16</td>
<td>Combined Utility Sewerage</td>
</tr>
<tr>
<td>33 34 00</td>
<td>Sanitary Utility Sewerage Force Mains</td>
</tr>
<tr>
<td>33 34 13</td>
<td>Sanitary Utility Sewerage Inverted Siphons</td>
</tr>
<tr>
<td>33 36 00</td>
<td>Utility Septic Tanks</td>
</tr>
<tr>
<td>33 36 13</td>
<td>Utility Septic Tank and Effluent Wet Wells</td>
</tr>
<tr>
<td>33 36 13.13</td>
<td>Concrete Utility Septic Tank</td>
</tr>
<tr>
<td>33 36 13.16</td>
<td>Fiberglass Utility Septic Tank</td>
</tr>
<tr>
<td>33 36 13.19</td>
<td>Polyethylene Utility Septic Tank</td>
</tr>
<tr>
<td>33 36 16</td>
<td>Utility Septic Tank Effluent Pumps</td>
</tr>
<tr>
<td>33 36 16.13</td>
<td>Utility Septic Tank High-Head Effluent Pump</td>
</tr>
<tr>
<td>33 36 16.16</td>
<td>Utility Septic Tank Effluent Pump Package</td>
</tr>
<tr>
<td>33 36 19</td>
<td>Utility Septic Tank Effluent Filter</td>
</tr>
<tr>
<td>33 36 19.13</td>
<td>Utility Septic Tank Effluent Tube Filter</td>
</tr>
<tr>
<td>33 36 19.16</td>
<td>Utility Septic Tank Effluent Textile Media Filter</td>
</tr>
<tr>
<td>33 36 33</td>
<td>Utility Septic Tank Drainage Field</td>
</tr>
<tr>
<td>33 36 33.13</td>
<td>Utility Septic Tank Tile Drainage Field</td>
</tr>
<tr>
<td>33 36 33.16</td>
<td>Utility Septic Tank Shallow Pressurized Dispersal System</td>
</tr>
<tr>
<td>33 37 00</td>
<td>Overflow Control</td>
</tr>
<tr>
<td>33 37 13</td>
<td>Bending Weirs</td>
</tr>
<tr>
<td>33 37 16</td>
<td>Spring-loaded Weirs</td>
</tr>
<tr>
<td>33 37 23</td>
<td>Flow Regulators</td>
</tr>
<tr>
<td>33 37 33</td>
<td>Swirl Concentrators</td>
</tr>
<tr>
<td>33 37 43</td>
<td>Netting Systems</td>
</tr>
<tr>
<td>33 37 46</td>
<td>End-of-Pipe In-water Storage Systems</td>
</tr>
<tr>
<td>33 38 00</td>
<td>Treatment Lagoons</td>
</tr>
<tr>
<td>33 38 13</td>
<td>Municipal Wastewater Treatment Lagoons</td>
</tr>
<tr>
<td>33 38 16</td>
<td>Industrial Waste Lagoons</td>
</tr>
<tr>
<td>33 38 23</td>
<td>Agricultural Waste Lagoons</td>
</tr>
<tr>
<td>33 38 26</td>
<td>Residential Sewerage Lagoons</td>
</tr>
<tr>
<td>33 39 00</td>
<td>Sanitary Utility Sewerage Structures</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>33 39 13</td>
<td>Sanitary Utility Sewerage Manholes, Frames, and Covers</td>
</tr>
<tr>
<td>33 39 23</td>
<td>Sanitary Utility Sewerage Cleanouts</td>
</tr>
<tr>
<td>33 40 00</td>
<td><strong>Storm Drainage Utilities</strong></td>
</tr>
<tr>
<td>33 41 00</td>
<td><strong>Storm Utility Drainage Piping</strong></td>
</tr>
<tr>
<td>33 41 13</td>
<td>Public Storm Utility Drainage Piping</td>
</tr>
<tr>
<td>33 42 00</td>
<td><strong>Culverts</strong></td>
</tr>
<tr>
<td>33 42 13</td>
<td>Pipe Culverts</td>
</tr>
<tr>
<td>33 42 13.13</td>
<td>Public Pipe Culverts</td>
</tr>
<tr>
<td>33 42 16</td>
<td>Concrete Culverts</td>
</tr>
<tr>
<td>33 42 16.13</td>
<td>Precast Concrete Culverts</td>
</tr>
<tr>
<td>33 42 16.16</td>
<td>Cast-in-Place Concrete Culverts</td>
</tr>
<tr>
<td>33 44 00</td>
<td><strong>Storm Utility Water Drains</strong></td>
</tr>
<tr>
<td>33 44 13</td>
<td>Utility Area Drains</td>
</tr>
<tr>
<td>33 44 13.13</td>
<td>Catchbasins</td>
</tr>
<tr>
<td>33 44 16</td>
<td>Utility Trench Drains</td>
</tr>
<tr>
<td>33 44 19</td>
<td>Utility Storm Water Treatment</td>
</tr>
<tr>
<td>33 44 19.13</td>
<td>In-Line Utility Storm Water Filters</td>
</tr>
<tr>
<td>33 44 19.16</td>
<td>Catch Basin Insert Utility Storm Water Filters</td>
</tr>
<tr>
<td>33 44 19.19</td>
<td>Utility Oil and Gas Separators</td>
</tr>
<tr>
<td>33 45 00</td>
<td><strong>Storm Utility Drainage Pumps</strong></td>
</tr>
<tr>
<td>33 46 00</td>
<td><strong>Subdrainage</strong></td>
</tr>
<tr>
<td>33 46 13</td>
<td>Foundation Drainage</td>
</tr>
<tr>
<td>33 46 13.13</td>
<td>Foundation Drainage Piping</td>
</tr>
<tr>
<td>33 46 13.16</td>
<td>Geocomposite Foundation Drainage</td>
</tr>
<tr>
<td>33 46 16</td>
<td>Subdrainage Piping</td>
</tr>
<tr>
<td>33 46 16.13</td>
<td>Subdrainage Piping</td>
</tr>
<tr>
<td>33 46 16.16</td>
<td>Geocomposite Subdrainage</td>
</tr>
<tr>
<td>33 46 16.19</td>
<td>Pipe Underdrains</td>
</tr>
<tr>
<td>33 46 19</td>
<td>Underslab Drainage</td>
</tr>
<tr>
<td>33 46 19.13</td>
<td>Underslab Drainage Piping</td>
</tr>
<tr>
<td>33 46 19.16</td>
<td>Geocomposite Underslab Drainage</td>
</tr>
<tr>
<td>33 46 23</td>
<td>Drainage Layers</td>
</tr>
<tr>
<td>33 46 23.16</td>
<td>Gravel Drainage Layers</td>
</tr>
<tr>
<td>33 46 23.19</td>
<td>Geosynthetic Drainage Layers</td>
</tr>
<tr>
<td>33 46 26</td>
<td>Geotextile Subsurface Drainage Filtration</td>
</tr>
<tr>
<td>33 46 33</td>
<td>Retaining Wall Drainage</td>
</tr>
<tr>
<td>33 47 00</td>
<td><strong>Ponds and Reservoirs</strong></td>
</tr>
<tr>
<td>33 47 13</td>
<td>Pond and Reservoir Liners</td>
</tr>
<tr>
<td>33 47 13.13</td>
<td>Pond Liners</td>
</tr>
<tr>
<td>33 47 13.53</td>
<td>Reservoir Liners</td>
</tr>
<tr>
<td>33 47 16</td>
<td>Pond and Reservoir Covers</td>
</tr>
<tr>
<td>33 47 16.13</td>
<td>Pond Covers</td>
</tr>
<tr>
<td>33 47 16.53</td>
<td>Reservoir Covers</td>
</tr>
<tr>
<td>33 47 19</td>
<td>Water Ponds and Reservoirs</td>
</tr>
<tr>
<td>33 47 19.13</td>
<td>Water Distribution Ponds</td>
</tr>
<tr>
<td>33 47 19.16</td>
<td>Water Retainage Reservoirs</td>
</tr>
<tr>
<td>33 47 19.23</td>
<td>Cooling Water Ponds</td>
</tr>
<tr>
<td>33 47 19.33</td>
<td>Fire-Protection Water Ponds</td>
</tr>
<tr>
<td>33 47 26</td>
<td>Storm Drainage Ponds and Reservoirs</td>
</tr>
<tr>
<td>33 47 26.13</td>
<td>Stabilization Ponds</td>
</tr>
<tr>
<td>33 47 26.16</td>
<td>Retention Basins</td>
</tr>
</tbody>
</table>
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 50 00  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 Gasoline Pumps
33 52 19  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
33 52 43.23 Aviation Fuel Pumps

33 56 00  Fuel-Storage Tanks
33 56 13  Aboveground Fuel-Storage Tanks
33 56 16  Underground Fuel-Storage Tanks
33 56 43  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  Hydronic and Steam Energy Utilities

33 61 00  Hydronic Energy Distribution
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

33 71 00  Electrical Utility Transmission and Distribution
33 71 13  Electrical Utility Towers
33 71 13.13 Precast Concrete Electrical Utility Towers
33 71 13.23 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 73  Electrical Utility Services
- 33 71 73.33 Electric Meters

# 33 72 00  Utility Substations
- 33 72 13  Deadend Structures
- 33 72 23  Structural Bus Supports
- 33 72 23.13 Bus Support Insulators
- 33 72 26  Substation Bus Assemblies
  - 33 72 26.13 Aluminum Substation Bus Assemblies
  - 33 72 26.16 Copper Substation Bus Assemblies
- 33 72 33  Control House Equipment
  - 33 72 33.13 Relays
  - 33 72 33.16 Substation Control Panels
  - 33 72 33.23 Power-Line Carriers
  - 33 72 33.26 Substation Metering
  - 33 72 33.33 Raceway and Boxes for Utility Substations
  - 33 72 33.36 Cable Trays for Utility Substations
  - 33 72 33.43 Substation Backup Batteries
  - 33 72 33.46 Substation Converter Stations
- 33 72 43  Substation Control Wiring

# 33 73 00  Utility Transformers
- 33 73 13  Liquid-Filled Utility Transformers
- 33 73 23  Dry-Type Utility Transformers

# 33 75 00  High-Voltage Switchgear and Protection Devices
- 33 75 13  Air High-Voltage Circuit Breaker
- 33 75 16  Oil High-Voltage Circuit Breaker
- 33 75 19  Gas 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 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

33 79 00  **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  Chemical Rod
33 79 83.23  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

33 80 00  **Communications Utilities**

33 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

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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>33 82 43</td>
<td>Grounding and Bonding for Communications Distribution</td>
</tr>
<tr>
<td>33 82 46</td>
<td>Cable Pressurization Equipment</td>
</tr>
<tr>
<td>33 82 53</td>
<td>Cleaning, Lubrication, and Restoration Chemicals</td>
</tr>
<tr>
<td><strong>33 83 00</strong></td>
<td><strong>Wireless Communications Distribution</strong></td>
</tr>
<tr>
<td>33 83 13</td>
<td>Laser Transmitters and Receivers</td>
</tr>
<tr>
<td>33 83 16</td>
<td>Microwave Transmitters and Receivers</td>
</tr>
<tr>
<td>33 83 19</td>
<td>Infrared Transmitters and Receivers</td>
</tr>
<tr>
<td>33 83 23</td>
<td>UHF/VHF Transmitters and Antennas</td>
</tr>
</tbody>
</table>
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  Pressure-Welded Track Rail
  34 11 16.19  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  Track Rail Ballast
  34 11 26.16  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  Track Rail Fasteners
  34 11 36.13  Direct-Fixation Fasteners
34 11 39  Track Collector Pans  
34 11 39.13 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  
34 21 00  Traction Power Distribution  
34 21 13  High Power Static Frequency Converters  
34 21 16  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  

34 41 00  Roadway Signaling and Control Equipment  
34 41 13  Traffic Signals  
34 41 16  Traffic Control Equipment  
34 41 23  Roadway Monitoring Equipment  
34 41 33  In Roadway Warning Lights  

34 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 Instrument Airfield Landing Equipment
34 43 16.19 Airfield Visual-Approach Slope Indicator Equipment
34 43 19 Airfield Traffic Control Tower Equipment
34 43 23 Weather Observation Equipment
34 43 23.13 Automatic Weather Observation Equipment
34 43 23.16 Airfield Wind Cones
34 43 26 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
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
34 52 16 Vehicle Ticketing Equipment
34 52 16.13 Vehicle Ticket Vending Machines
34 52 26 Vehicle Fare Collection Equipment
34 52 26.13 Vehicle Coin Fare Collection Equipment
34 52 26.16 Vehicle Electronic Fare Collection Equipment
34 52 33 Vehicle Fare Gates

34 54 00 Passenger Fare Collection
34 54 16 Passenger Ticketing Equipment
34 54 16.13 Passenger Ticket Vending Machines
34 54 16.16 Passenger Addfare Machines
34 54 16.23 Passenger Intermodal Transfer Machines
34 54 26 Passenger Fare Collection Equipment
34 54 26.13 Passenger Coin Fare Collection Equipment
34 54 26.16 Passenger Electronic Fare Collection Equipment
34 54 33 Passenger Fare Gates

34 70 00 Transportation Construction and Equipment

34 71 00 Roadway Construction
34 71 13 Vehicle Barriers
34 71 13.13 Vehicle Median Barriers
34 71 13.16 Vehicle Crash Barriers
34 71 13.19 Vehicle Traffic Barriers
34 71 13.26 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 Fixed Vehicle Delineators
34 71 19.16 Flexible Vehicle Delineators

34 72 00 Railway Construction
34 72 13 Railway Line
34 72 16 Railway Siding

34 73 00 Airfield Construction
34 73 13 Aircraft Tiedowns
34 73 16 Airfield Grounding
34 73 16.13 Aircraft Static Grounding
34 73 19 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 Baggage Scanning Equipment
34 77 36 Baggage Scales
34 77 39 Baggage Conveying Equipment

34 78 00 Weighing Equipment
34 78 13 Truck Scales
34 78 16 Weighbridges
34 78 23 Railroad Car Scales
34 78 33 Crane Scales
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
35 00 00 Waterway and Marine Construction

35 01 00 Operation and Maintenance of Waterway and Marine Construction
  35 01 30 Operation and Maintenance of Coastal Construction
  35 01 40 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 Marine Dredging
  35 01 50.71 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 Common Work Results for Marine Construction
  35 05 70 Common Work Results for Dams

35 06 00 Schedules for Waterway and Marine Construction
  35 06 30 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 Commissioning of Waterway Construction
  35 08 50 Commissioning of Marine Construction
  35 08 70 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 Lighthouse Equipment
  35 12 33 Marine Navigation Equipment
  35 12 53 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 Hydraulic Manifolds
35 20 13.23 Hydraulic Penstocks
35 20 13.26 Hydraulic Trashracks
35 20 16 Hydraulic Gates
35 20 16.13 Hydraulic Spillway Crest Gates
35 20 16.19 Hydraulic Head Gates
35 20 16.26 Hydraulic Sluice Gates
35 20 16.33 Hydraulic Miter Gates
35 20 16.39 Hydraulic Sector Gates
35 20 16.46 Hydraulic Tainter Gates and Anchorages
35 20 16.53 Hydraulic Vertical Lift Gates
35 20 16.59 Hydraulic Closure Gates
35 20 19 Hydraulic Valves
35 20 19.13 Hydraulic Butterfly Valves
35 20 19.23 Hydraulic Regulating Valves
35 20 23 Dredging
35 20 23.13 Mechanical Dredging
35 20 23.23 Hydraulic Dredging
35 20 23.33 Integrated Dredging and Dewatering

35 30 00 Coastal Construction

35 31 00 Shoreline Protection
35 31 16 Seawalls
35 31 16.13 Concrete Seawalls
35 31 16.16 Segmental Seawalls
35 31 16.19 Steel Sheet Piling Seawalls
35 31 16.23 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 Concrete Jetties
35 31 26.16 Concrete Unit Masonry Jetties
35 31 26.36 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 Sunken Ship Artificial Reefs
35 32 16 Constructed Artificial Reefs
35 32 16.13 Constructed Concrete Artificial Reefs
35 32 16.19 Constructed Steel Artificial Reefs

35 40 00 Waterway Construction and Equipment

35 41 00 Levees
35 41 13 Landside Levee Berms
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
35 42 53.19 Segmental Wall Bank Protection
35 42 53.40 Stone Wall Bank Protection

35 43 00 Waterway Scour Protection
35 43 29 Grout-Bag Scour Protection
35 43 34 Soil Reinforcement Scour Protection
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
35 43 53.13 Concrete Unit Masonry Wall Scour Protection
35 43 53.16 Segmental Wall Scour Protection
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
35 49 23.13 Concrete Waterway Locks
35 49 23.23 Piling Waterway Locks
35 49 26 Floodgate Machinery

35 50 00 Marine Construction and Equipment

35 51 00 Floating Construction
35 51 13 Floating Piers
35 51 13.23 Floating Wood Piers
35 51 13.26 Floating Plastic Piers
35 51 23 Pontoons

35 52 00 Offshore Platform Construction
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 Anchor Pendant Buoys
35 59 23.19 Navigation Buoys
35 59 29 Mooring Devices
35 59 29.13 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 Marine Shackles
35 59 93.19 Marine Chain Tensioners

35 70 00 Dam Construction and Equipment

35 70 13 Concrete Gravity Dams
35 71 13 Masonry Gravity Dams
35 71 19 Rockfill Gravity Dams

35 71 00 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 Interconnections

40 01 10 Operation and Maintenance of Gas and Vapor Process Piping
40 01 20 Operation and Maintenance of Liquids Process Piping
40 01 30 Operation and Maintenance of Solid and Mixed Materials Piping and 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 23.23 300- and 400-Series Stainless Steel Process Pipe
40 05 23.33 Special-Fabrication Stainless Steel Process Pipe and Tubing
40 05 24 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 Tantalum Process Pipe
40 05 26.33 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 High-Purity Plastic Process Pipe
40 05 31.83 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
40 05 51 Common Requirements for Process Valves
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
40 05 57.13 Manual Actuators
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 67.23 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 71.23 Mud Valves
40 05 71.33 Telescoping Valves
40 05 73 Special-Application Process Valves
40 05 73.13 Altitude Valves
40 05 73.16 Float Valves
40 05 73.23 Anti-Cavitation Valves
40 05 74 Flexible-Closure Valves
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
40 05 78.19 Combination Air Valves for Water Service
40 05 78.21 Air Release Valves for Wastewater Service
40 05 78.23 Air/Vacuum Valves for Wastewater Service
40 05 78.26 Vacuum-Breaking Valves for Wastewater Service
40 05 78.29 Combination Air Valves for Wastewater Service
40 05 81 Hydrants and Hose Bibbs for Process Service
40 05 81.13 Fire Hydrants
40 05 81.23 Yard Hydrants
40 05 81.26 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 89.23 Needle Valves
40 05 89.33 Quick-Connect Couplers
40 05 93 Common Motor Requirements for Process Equipment
40 05 96 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
40 10 00 Gas and Vapor Process Piping and Ductwork

40 11 00 Steam Process Piping
  40 11 13 Low-Pressure Steam Process Piping
  40 11 16 Intermediate-Pressure Steam Process Piping
  40 11 19 High-Pressure Steam Process Piping
  40 11 23 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 Silane Gas Piping
  40 16 49 Sulfur-Dioxide Gas Piping
  40 16 53 Specialty Gas Mixtures Piping
  40 16 56 High-Purity Gas Piping Components

40 17 00 Welding and Cutting Gases Piping
  40 17 13 Acetylene Welding and Cutting Piping
  40 17 16 Acetylene-Hydrogen Mix Welding and Cutting Piping
  40 17 19 Methylacetylene-Propadiene Welding and Cutting Piping
  40 17 23 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 Chlorine Gas Vacuum System Piping
  40 18 53 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  Tar Fuels Process Piping
40 21 23.43  No. 4 Fuel-Oil Process Piping
40 21 23.53  No. 5 Fuel-Oil Process Piping
40 21 23.63  No. 6 Fuel-Oil Process Piping

40 22 00  Petroleum Products Piping
40 22 10  Heavy-Fractions Petroleum Products Piping
40 22 13  Liquefied Petroleum Gas (LPG) Process Piping
40 22 16  Lubricating Oils Process Piping
40 22 23  Petrochemicals Process Piping
40 22 50  Light-Fractions Petroleum Products Piping

40 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 23 48  Thickened Sludge Process Piping

40 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 25 00  Liquid Acids and Bases Piping
40 25 10  Liquid Acids Piping
40 25 50  Liquid Bases Piping

40 26 00  Liquid Polymer Piping

40 30 00  Solid and Mixed Materials Piping and Chutes

40 32 00  Bulk Materials Piping and Chutes
40 32 10  Abrasive Materials Piping and Chutes
40 32 50  Nonabrasive Materials Piping and Chutes
<table>
<thead>
<tr>
<th></th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>40 33 00</strong></td>
<td>Bulk Materials Valves</td>
</tr>
<tr>
<td>40 33 13</td>
<td>Airlock Bulk Materials Valves</td>
</tr>
<tr>
<td>40 33 16</td>
<td>Blind Bulk Materials Valves</td>
</tr>
<tr>
<td>40 33 26</td>
<td>Diverter Bulk Materials Valves</td>
</tr>
<tr>
<td>40 33 29</td>
<td>Double or Single Dump Bulk Materials Valves</td>
</tr>
<tr>
<td>40 33 39</td>
<td>Swing Bulk Materials Valves</td>
</tr>
<tr>
<td>40 33 43</td>
<td>Specialty Bulk Materials Valves</td>
</tr>
<tr>
<td><strong>40 34 00</strong></td>
<td>Pneumatic Conveying Lines</td>
</tr>
<tr>
<td>40 34 10</td>
<td>Dense Phase Pneumatic Conveying Lines</td>
</tr>
<tr>
<td>40 34 50</td>
<td>Dilute Phase Pneumatic Conveying Lines</td>
</tr>
<tr>
<td><strong>40 40 00</strong></td>
<td>Process Piping and Equipment Protection</td>
</tr>
<tr>
<td><strong>40 41 00</strong></td>
<td>Process Piping and Equipment Heat Tracing</td>
</tr>
<tr>
<td>40 41 13</td>
<td>Process Piping Heat Tracing</td>
</tr>
<tr>
<td>40 41 13.13</td>
<td>Process Piping Electrical Resistance Heat Tracing</td>
</tr>
<tr>
<td>40 41 13.16</td>
<td>Process Piping Electrical Conductance Heat Tracing</td>
</tr>
<tr>
<td>40 41 13.19</td>
<td>Process Piping Gas Heat Tracing</td>
</tr>
<tr>
<td>40 41 13.23</td>
<td>Process Piping Steam Heat Tracing</td>
</tr>
<tr>
<td>40 41 13.26</td>
<td>Process Piping Thermal Fluids Heat Tracing</td>
</tr>
<tr>
<td>40 41 23</td>
<td>Process Equipment Heat Tracing</td>
</tr>
<tr>
<td>40 41 23.13</td>
<td>Process Equipment Electrical Resistance Heat Tracing</td>
</tr>
<tr>
<td>40 41 23.16</td>
<td>Process Equipment Electrical Conductance Heat Tracing</td>
</tr>
<tr>
<td>40 41 23.19</td>
<td>Process Equipment Gas Heat Tracing</td>
</tr>
<tr>
<td>40 41 23.23</td>
<td>Process Equipment Steam Heat Tracing</td>
</tr>
<tr>
<td>40 41 23.26</td>
<td>Process Equipment Thermal Fluids Heat Tracing</td>
</tr>
<tr>
<td><strong>40 42 00</strong></td>
<td>Process Piping and Equipment Insulation</td>
</tr>
<tr>
<td>40 42 13</td>
<td>Process Piping Insulation</td>
</tr>
<tr>
<td>40 42 13.13</td>
<td>Cryogenic Temperature Process Piping Insulation</td>
</tr>
<tr>
<td>40 42 13.16</td>
<td>Low Temperature Process Piping Insulation</td>
</tr>
<tr>
<td>40 42 13.19</td>
<td>Intermediate Temperature Process Piping Insulation</td>
</tr>
<tr>
<td>40 42 13.23</td>
<td>High Temperature Process Piping Insulation</td>
</tr>
<tr>
<td>40 42 13.26</td>
<td>Process Piping Insulation for Specialty Applications</td>
</tr>
<tr>
<td>40 42 23</td>
<td>Process Equipment Insulation</td>
</tr>
<tr>
<td>40 42 23.13</td>
<td>Cryogenic Temperature Process Equipment Insulation</td>
</tr>
<tr>
<td>40 42 23.16</td>
<td>Low Temperature Process Equipment Insulation</td>
</tr>
<tr>
<td>40 42 23.19</td>
<td>Intermediate Temperature Process Equipment Insulation</td>
</tr>
<tr>
<td>40 42 23.23</td>
<td>High Temperature Process Equipment Insulation</td>
</tr>
<tr>
<td>40 42 23.26</td>
<td>Process Equipment Insulation for Specialty Applications</td>
</tr>
<tr>
<td><strong>40 46 00</strong></td>
<td>Process Corrosion Protection</td>
</tr>
<tr>
<td>40 46 16</td>
<td>Coatings and Wrappings for Process Corrosion Protection</td>
</tr>
<tr>
<td>40 46 42</td>
<td>Cathodic Process Corrosion Protection</td>
</tr>
<tr>
<td><strong>40 47 00</strong></td>
<td>Refractories</td>
</tr>
<tr>
<td>40 47 13</td>
<td>Silica Refractories</td>
</tr>
<tr>
<td>40 47 16</td>
<td>Alumina Refractories</td>
</tr>
<tr>
<td>40 47 19</td>
<td>Carbon and Graphite Refractories</td>
</tr>
<tr>
<td>40 47 23</td>
<td>Castable Refractories</td>
</tr>
<tr>
<td>40 47 26</td>
<td>Rammed Refractories</td>
</tr>
<tr>
<td>40 47 29</td>
<td>Refractory Concrete</td>
</tr>
<tr>
<td><strong>40 60 00</strong></td>
<td>Process Control and Enterprise Management Systems</td>
</tr>
</tbody>
</table>

148
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  Point-to-Point Radio Equipment
  40 66 63  Antennas
  40 66 66  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  Free-Standing Panels
  40 67 19  Wall-Mounted Panels
  40 67 23  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  Reporting Software
  40 68 26  Online Performance Monitoring Systems Software
  40 68 33  Maintenance Management Software
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  Orifice Plate Flow Meters  
40 71 23.26  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 75 00 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 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  **Position and Motion Measurement**
40 77 13  Acceleration Measurement Devices
40 77 16  Proximity Measurement Devices
40 77 19  Vibration Velocity Measurement Devices
40 77 23  Vibration Monitoring Systems
40 77 26  Position, Speed, and Motion Measurement Devices

40 78 00  **Panel Mounted Instruments**
40 78 13  Indicators and Meters
40 78 16  Indicating Lights
40 78 19  Switches and Push Buttons
40 78 23  Potentiometers and Manual Controllers
40 78 26  Chart Recorders
40 78 33  Annunciators
40 78 43  Single-Loop Controllers
40 78 53  Relays
40 78 56  Isolators, Intrinsically-Safe Barriers, and Surge Suppressors
40 78 59  Power Supplies
40 78 63  Alarm Dialers

40 79 00  **Miscellaneous Instruments, Calibration Equipment, Instrument Valves, and Fittings**
40 79 13  Nuclear Mass-Measuring Scales
40 79 23  Instrument Calibration Equipment
40 79 26  Instrument Programming Equipment
40 79 33  Current-to-Pressure Converters
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 Commissioning of Process Systems

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 Schedules for Material Storage
- 41 06 60 Schedules for Mobile Plant Equipment

41 08 00 Commissioning of Material Processing and Handling Equipment
- 41 08 10 Commissioning of Bulk Material Processing Equipment
- 41 08 20 Commissioning of Piece Material Handling Equipment
- 41 08 30 Commissioning of Manufacturing Equipment
- 41 08 40 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 Bulk Material Fluid Bed Separators
- 41 11 33 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 Vibratory Bulk Material Conveyors
  41 12 13.53 Weigh-Belt Bulk Material Conveyors
41 12 16 Bucket Elevators
41 12 19 Pneumatic Conveyors
41 12 19.13 Dense Phase Pneumatic Conveyors
41 12 19.16 Dilute Phase Pneumatic Conveyors

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 Vibratory Bulk Material Feeders
  41 13 23.29 Volumetric Bulk Material Feeders
  41 13 23.33 Weigh Bulk Material Feeders

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 Piece Material Vibratory Feeders

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 Monorail Hoists
41 22 23.23 Specialty Hoists
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

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

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 13.33  Machining Lines
41 31 13.36  Molding Lines
41 31 13.39  Finishing/Painting Lines
41 31 13.43  Painting Lines
41 31 13.46  Pickling Lines
41 31 13.49  Plating Lines
41 31 13.53  Polishing Lines
41 31 13.56  Press Lines
41 31 13.59  Rolling/Calendaring 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 Equipment
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 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  Sawing Equipment
41 33 76  Shaping Equipment
41 33 79  Threading Equipment

41 34 00  Finishing Equipment
41 34 13  Anodizing Equipment
41 34 16  Barrel Tumbling Equipment
41 34 23  Coating Equipment
41 34 23.13 Diffusion Coating Equipment
41 34 23.16 Dipping Coating Equipment
41 34 23.19 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 33  Molds

41 36 00  Assembly and Testing Equipment
41 36 13  Applicators
41 36 13.13 Adhesive Applicators
41 36 13.16 Lubricant Applicators
41 36 13.19 Sealer Applicators
41 36 16  Fixtures and Jigs
41 36 19  Joining Equipment
41 36 19.13 Adhesive Joining Equipment
41 36 19.16 Arc-Welding Equipment
41 36 19.19 Brazing Equipment
41 36 19.23 Resistance-Welding Equipment
41 36 19.26 Riveting Equipment
41 36 19.29 Sintering Equipment
41 36 19.33 Soldering Equipment
41 36 23  Cutting Equipment
41 36 23.13 Cutting Torches
41 36 23.16 High-Pressure Water Cutting Equipment
41 36 23.19 Laser Cutting Equipment
41 36 23.23 Plasma Cutting Equipment
41 36 26  Process Tools
41 36 26.13 Air Process Tools
41 36 26.16 Electric Process Tools
41 36 26.19 Hydraulic Process Tools
41 36 26.23 Manual Process Tools
41 36 29  Manufacturing Measurement and Testing Equipment
41 36 29.13  Gages, Rules, and Blocks
41 36 29.16  Penetrant Measurement and Testing Equipment
41 36 29.19  Laser Measurement and Testing Equipment
41 36 29.23  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  Ultrasonic Measurement and Testing Equipment
41 36 29.43  Test Weigh Scales

41 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  Bag Fillers
41 41 19.16  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  Railcar Bulk Material Loaders
41 42 16.29  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  Barcode Printers
41 43 19  Labeling Equipment
41 43 23  Pallet Stacking/Wrapping Equipment

41 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  Portable Bins and Hoppers
41 52 13.33  Bulk Material Containers
41 52 13.43  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 Steel Silos
41 52 19  Material Storage Tanks
41 52 19.13 Horizontal Material Storage Tanks
41 52 19.23 Vertical Material Storage Tanks
41 52 19.33 Portable Material Storage Tanks

41 53 00 Storage Equipment and Systems
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

41 60 00 Mobile Plant Equipment

41 61 00 Mobile Earth Moving Equipment
41 61 13 Backhoes
41 61 16 Bulldozers
41 61 19 Compactors
41 61 23 Excavators
41 61 26 Graders
41 61 29 Payloaders
41 61 33 Trenchers

41 62 00 Trucks
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 65 00 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
<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>41 66 16</td>
<td>Mobile Lifts and Cherrypickers</td>
</tr>
<tr>
<td>41 66 19</td>
<td>Mobile Paving Equipment</td>
</tr>
<tr>
<td>41 66 23</td>
<td>Mobile Sweepers/Vacuums</td>
</tr>
<tr>
<td>41 67 00</td>
<td><strong>Plant Maintenance Equipment</strong></td>
</tr>
<tr>
<td>41 67 13</td>
<td>Plant Lube Oil System</td>
</tr>
<tr>
<td>41 67 16</td>
<td>Plant Fall Protection Equipment</td>
</tr>
<tr>
<td>41 67 19</td>
<td>Plant Safety Equipment</td>
</tr>
<tr>
<td>41 67 23</td>
<td>Plant Maintenance Tools</td>
</tr>
<tr>
<td>41 67 26</td>
<td>Plant Maintenance Washing Equipment</td>
</tr>
</tbody>
</table>
42 00 00  Process Heating, Cooling, and Drying Equipment

42 01 00  Operation and Maintenance of Process Heating, 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  Thermolectric Process Heaters
  42 12 23  Solar Process Heaters
  42 12 26  Specialty Process Heaters

42 13 00  Industrial Heat Exchangers and Recuperators
  42 13 13  Industrial Gas-to-Gas Heat Exchangers
  42 13 16  Industrial Liquid-to-Gas/Gas-to-Liquid Heat Exchangers
  42 13 19  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  Process Condensers and Evaporators
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
43 00 00  Process Gas and Liquid Handling, Purification, and Storage Equipment

43 01 00  Operation and Maintenance of Process Gas and Liquid Handling, Purification, and Storage Equipment

43 01 10  Operation and Maintenance of Gas Handling Equipment
43 01 10.13 Gas Blowers Maintenance and Rehabilitation
43 01 10.16 Gas Compressors Maintenance and Rehabilitation
43 01 20  Operation and Maintenance of Liquid Handling Equipment
43 01 20.13 Liquid Pumps Maintenance and Rehabilitation
43 01 20.16 Liquid Process Equipment Maintenance and Rehabilitation
43 01 30  Operation and Maintenance of Gas and Liquid Hi-Purification Equipment
43 01 40  Operation and Maintenance of Gas and Liquid Storage
43 01 40.13 Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation
43 01 40.16 Pressurized Tanks Cleaning, Maintenance, and Rehabilitation

43 05 00  Common Work Results for Process Gas and Liquid Handling, Purification, and Storage Equipment

43 05 05  Selective Demolition for Process Gas and Liquid Handling, Purification, and Storage Equipment.
43 05 10  Common Work Results for Gas Handling Equipment
43 05 20  Common Work Results for Liquid Handling Equipment
43 05 30  Common Work Results for Gas and Liquid Hi-Purification Equipment
43 05 40  Common Work Results for Gas and Liquid Storage

43 06 00  Schedules for Process Gas and Liquid Handling, Purification, and Storage Equipment

43 06 10  Schedules for Gas Handling Equipment
43 06 20  Schedules for Liquid Handling Equipment
43 06 30  Schedules for Gas and Liquid Hi-Purification Equipment
43 06 40  Schedules for Gas and Liquid Storage

43 08 00  Commissioning of Process Gas and Liquid Handling, Purification, and Storage Equipment

43 08 10  Commissioning of Gas Handling Equipment
43 08 20  Commissioning of Liquid Handling Equipment
43 08 30  Commissioning of Gas and Liquid Purification Equipment
43 08 40  Commissioning of Gas and Liquid Storage

43 10 00  Gas Handling Equipment

43 11 00  Gas Fans, Blowers, Pumps and Boosters
43 11 11  Direct Drive Single Stage Centrifugal Blowers
43 11 12  Integrally Geared Single Stage Centrifugal Blowers
43 11 13  Separately Geared Single Stage Centrifugal Blowers
43 11 14  Direct Drive Integral Shaft Single Stage Centrifugal Blowers
43 11 17  Horizontally Split Multistage Centrifugal Blowers
43 11 18  Vertically Split Multistage Centrifugal Blowers
43 11 19  Centrifugal Fans
43 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  Static Final Filters
43 15 13.19  Static HEPA Filters
43 15 13.23  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  Automatic Roll-type Air Filters
43 15 76  Chemical Media for Air and Gas Filters

43 20 00  Liquid Handling Equipment
43 22 00  Liquid Process Equipment
43 22 13  Liquid Aeration Devices
43 22 16  Liquid Agitators
43 22 19  Liquid Blenders
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
43 22 69  Liquid Grease Receiving and Dewatering Systems
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 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
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43 23 76.42  Power Horizontal Double-Acting Plunger Duplex Reciprocating Pumps
43 23 76.43  Power Horizontal Double-Acting Plunger Multiplex Reciprocating Pumps
43 23 77   Power Vertical Reciprocating Pumps
43 23 77.11  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  Power Vertical Single-Acting Plunger Duplex Reciprocating Pumps
43 23 77.23  Power Vertical Single-Acting Plunger Multiplex Reciprocating Pumps
43 23 77.31  Power Vertical Double-Acting Piston Simplex Reciprocating Pumps
43 23 77.32  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 Reciprocating Pumps
43 23 78.32  Controlled Volume Horizontal Mechanically-Coupled Diaphragm Duplex Reciprocating Pumps
43 23 78.33  Controlled Volume Horizontal Mechanically-Coupled Diaphragm Multiplex Reciprocating Pumps
43 23 78.34  Controlled Volume Horizontal Hydraulically-Coupled Diaphragm Simplex 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 Reciprocating Pumps
43 23 79.32  Controlled Volume Vertical Mechanically-Coupled Diaphragm Duplex Reciprocating Pumps
43 23 79.33  Controlled Volume Vertical Mechanically-Coupled Diaphragm Multiplex Reciprocating Pumps
43 23 79.34  Controlled Volume Vertical Hydraulically-Coupled Diaphragm Simplex 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
43 24 13    Vertically Suspended Single-Casing Discharge-through-column Centrifugal Pumps
43 24 13.13 Vertically Suspended Single-Casing Discharge-through-column Diffuser Centrifugal Pumps
43 24 13.23 Vertically Suspended Single-Casing Discharge-through-column Volute Centrifugal 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 Centrifugal Pumps
43 24 21    Vertically Suspended Double-Casing Centrifugal Pumps
43 24 21.13 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 Between-Bearings Impeller Regenerative Turbine Pumps
43 26 30.27 Between-Bearings Impeller Single-Stage Regenerative Turbine Pumps
43 26 30.29 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
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

169
43 27 73 Nonwoven Media Liquid Filters
43 27 73.13 Surface Liquid Filters
43 27 73.23 Depth Liquid Filters

43 30 00 **Gas and Liquid Purification Equipment**

43 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 Multimedia Gas and Liquid Purification Filters
43 31 13.29 Pretreatment Cartridge Gas and Liquid Purification Filters
43 31 13.33 Ultrafilter Units

43 32 00 **Gas and Liquid Purification Process Equipment**
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 Ozonation Equipment
43 32 76 Chlorination Equipment

43 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 Rubber-lined Welded Steel Tanks
43 41 13.33 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 Operation and Maintenance of Water Pollution Control Equipment
   44 01 50 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 Schedules for Pollution and Waste Control 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 Schedules for Water Pollution Control Equipment
   44 06 50 Schedules for Solid Waste Control and Reuse
   44 06 60 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 Commissioning Solid Waste Control and Reuse
   44 08 60 Commissioning of Waste Thermal Processing Equipment

44 10 00 Air Pollution Control

44 11 00 Particulate Control Equipment
   44 11 13 Fugitive Dust Control
   44 11 16 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 Cyclone Scrubbing Equipment
   44 11 51 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 Multicyclone 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 21** 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
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 40 10 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 Live-floor Storage Bins
44 53 13 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 Hazardous Waste and Medical Waste Incinerators

44 67 00 Heat Recovery Equipment for Waste Thermal Processing

44 68 00 Synthesis Gas Cleanup and Handling Equipment
45 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
45 11 00 Oil and Gas Extraction Equipment
   45 11 01 Operation and Maintenance of Oil and Gas Extraction Equipment
   45 11 06 Schedules for Oil and Gas Extraction Equipment
   45 11 10 to 45 12 99 User-Defined Oil and Gas Extraction Equipment
45 13 00 Mining Machinery and Equipment
   45 13 01 Operation and Maintenance of Mining Machinery and Equipment
   45 13 06 Schedules for Mining Machinery and Equipment
   45 13 10 to 45 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 45 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
   45 17 10 to 45 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
   45 19 10 to 45 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 45 22 99 User-Defined Leather and Allied Product Manufacturing 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
   45 23 10 to 45 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
   45 25 10 to 45 26 99 User-Defined Paper Manufacturing Equipment
45 27 00 Printing and Related Manufacturing Equipment
   45 27 01 Operation and Maintenance of Printing and Related Manufacturing Equipment
45 27 06  Schedules for Printing and Related Manufacturing Equipment
45 27 10 to 45 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 Manufacturing Equipment
45 29 06  Schedules for Petroleum and Coal Products Manufacturing Equipment
45 29 10 to 45 30 99  User-Defined Petroleum and Coal Products Manufacturing 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
45 31 10 to 45 32 99  User-Defined Chemical Manufacturing Equipment

45 33 00  Plastics and Rubber Manufacturing Equipment
45 33 01  Operation and Maintenance of Plastics and Rubber Manufacturing Equipment
45 33 06  Schedules for Plastics and Rubber Manufacturing Equipment
45 33 10 to 45 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 Equipment
45 35 06  Schedules for Nonmetallic Mineral Product Manufacturing Equipment
45 35 10 to 45 36 99  User-Defined Nonmetallic Mineral Product Manufacturing 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
45 37 10 to 45 38 99  User-Defined Primary Metal Manufacturing Equipment

45 39 00  Fabricated Metal Product Manufacturing Equipment
45 39 01  Operation and Maintenance of Fabricated Metal Product Manufacturing Equipment
45 39 06  Schedules for Fabricated Metal Product Manufacturing Equipment
45 39 10 to 45 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
45 41 10 to 45 42 99  User-Defined Machinery Manufacturing Equipment

45 43 00  Computer and Electronic Product Manufacturing Equipment
45 43 01  Operation and Maintenance of Computer and Electronic Product Manufacturing Equipment
45 43 06  Schedules for Computer and Electronic Product Manufacturing Equipment
45 43 10 to 45 44 99  User-Defined Computer and Electronic Product Manufacturing 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 51 10 to 45 52 99  User-Defined Other Manufacturing Equipment
46 00 00 Water and Wastewater Equipment
46 01 00 Operation and Maintenance of Water and Wastewater Equipment
  46 01 07 Operation and Maintenance of Packaged Treatment Equipment
  46 01 20 Operation and Maintenance of Preliminary Treatment Equipment
  46 01 30 Operation and Maintenance of Chemical Feed Equipment
  46 01 40 Operation and Maintenance of Clarification and Mixing Equipment
  46 01 50 Operation and Maintenance of Secondary Treatment Equipment
  46 01 60 Operation and Maintenance of Advanced Treatment Equipment
  46 01 70 Operation and Maintenance of Residuals Handling and Treatment
46 05 00 Common Work Results for Water and Wastewater Equipment
  46 05 05 Selective Demolition for Water and Wastewater Equipment
46 06 00 Schedules for Water and Wastewater Equipment
  46 06 07 Schedules for Packaged Treatment Equipment
  46 06 20 Schedules for Preliminary Treatment Equipment
  46 06 30 Schedules for Chemical Feed Equipment
  46 06 40 Schedules for Clarification and Mixing Equipment
  46 06 50 Schedules for Secondary Treatment Equipment
  46 06 60 Schedules for Advanced Treatment Equipment
  46 06 70 Schedules for Residuals Handling and Treatment
46 07 00 Packaged Water and Wastewater Treatment Equipment
  46 07 13 Packaged Water Treatment Equipment
  46 07 53 Packaged Wastewater Treatment Equipment
46 08 00 Commissioning of Water and Wastewater Equipment
  46 08 07 Commissioning of Packaged Treatment Equipment
  46 08 20 Commissioning of Preliminary Treatment Equipment
  46 08 30 Commissioning of Chemical Feed Equipment
  46 08 40 Commissioning of Clarification and Mixing Equipment
  46 08 50 Commissioning of Secondary Treatment Equipment
  46 08 60 Commissioning of Advanced Treatment Equipment
  46 08 70 Commissioning of Residuals Handling and Treatment
46 20 00 Water and Wastewater Preliminary Treatment Equipment
46 21 00 Screening Equipment
  46 21 11 Climber-type Bar Screens
  46 21 13 Chain-and-Rake Bar Screens
  46 21 16 Flexible Rake Bar Screens
  46 21 17 Catenary Bar Screens
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<td>Gas Storage, Weighing, and Leak Detection Equipment</td>
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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 Mixing Equipment
46 41 11 Rapid Mixers
46 41 13 Inline Blender-type Rapid Mixers
46 41 16 Induction-type Rapid Mixing Equipment
46 41 17 Inline Static Mixers
46 41 21 Jet Mixing Equipment
46 41 23 Submersible Mixers
46 41 26 Floating Mechanical Mixers
46 41 27 Paddle Mixers
46 41 29 Pin Mixers
46 41 31 Vertical Reel Flocculation Equipment
46 41 33 Horizontal Reel Flocculation Equipment
46 41 34 Vertical Turbine Flocculation Equipment
46 41 36 Walking-beam Flocculation Equipment
46 41 38 Horizontal Oscillating Flocculation Equipment
46 41 41 Top-entering Tank Mixers
46 41 43 Side-entry Tank Mixers
46 41 46 Portable Tank Mixers
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 66  Dissolved Air Flotation Equipment for Water Treatment
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 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  Intermittent Sand Filters for Wastewater Treatment
46 53 41  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

46 61 00  Filtration Equipment
   46 61 13  Filter Media
   46 61 16  Filter Surface Wash Agitators
   46 61 17  Filter Air Scour Equipment
   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
   46 61 33  Microfiltration and Ultrafiltration Membrane Equipment
   46 61 41  Disc Cloth Filters
   46 61 43  Rotary Drum Cloth Filters
   46 61 46  Automatic Backwash Cloth Filter Equipment
   46 61 53  Cartridge Filters
   46 61 63  Bag Filters
   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
   46 63 16  Packed Bed Ion-exchange Vessel Systems
   46 63 17  Electrodialysis Reversal Equipment
   46 63 23  Reverse-Osmosis and Nanofiltration Membrane Equipment
   46 63 31  Multiple-effect Distillation Equipment
   46 63 33  Desalination Mechanical Vapor Compression Equipment
   46 63 34  Desalination Thermal Vapor Compression Equipment
   46 63 36  Desalination Multi-stage Flash Equipment
   46 63 41  Desalination Falling Film Evaporators
   46 63 43  Desalination Rising Film Evaporators
   46 63 53  Desalination Forced-circulation Crystallizing Equipment
   46 63 63  Desalination Spray Dry Evaporation Equipment
   46 63 73  Demineralization Energy Recovery Equipment

46 66 00  Ultraviolet Equipment
   46 66 13  Closed-vessel Low-pressure/Low-intensity Ultraviolet Treatment Equipment
   46 66 16  Closed-vessel Low-pressure/High-intensity Ultraviolet Treatment Equipment
   46 66 23  Closed-vessel Medium-pressure Ultraviolet Treatment Equipment
   46 66 53  Open-channel Low-pressure/Low-intensity Ultraviolet Treatment Equipment
   46 66 56  Open-channel Low-pressure/High-intensity Ultraviolet Treatment Equipment
   46 66 63  Open-channel Medium-pressure Ultraviolet Treatment Equipment

46 70 00  Water and Wastewater Residuals Handling 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 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 Nuclear Fuel Fission Reactors
   48 12 13.16 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 Plant Generators
48 13 00 Hydroelectric Plant Electrical Power Generation Equipment
   48 13 13 Hydroelectric Power Plant Water Turbines
   48 13 16 Hydroelectric Power Plant Electrical Power Generators
48 14 00 Solar Energy Electrical Power Generation Equipment
   48 14 13 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 Wind Turbines
   48 15 16 Wind Energy Electrical Power Generators
48 16 00 Geothermal Energy Electrical Power Generation Equipment
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