

# National BIM Standard - United States® Version 3

## 2 Reference Standards

### 2.4 OmniClass™

#### 2.4.4.5 OmniClass™ Table 22 – Work Results, Pre Consensus Approved Draft 2013-08-25

##### 2.4.4.5.1 Scope – Business Case Description

OmniClass™ is an existing industry standard that has been continuously developed, managed, and published since 2001 by CSI and Construction Specifications Canada. OmniClass™ has its own procedure for regular review and approval of all content by an independent body of subject matter experts composed of representatives from a wide variety of AECOO industry interest areas, the OmniClass Development Committee.

OmniClass™ is designed to provide a standardized means of classifying and organizing construction information, including BIM objects and related information. This classification and organization allows for grouping and more refined analysis, storage and retrieval, or presentation of that information, and can also aid in enhancing information exchanges and other forms of standardized data transfer. All individual OmniClass™ tables are capable of serving these purposes individually, but the tables are designed to work as a suite, enhancing each other's classifications by increasing the number of access points provided on any object so classified. As a result, increasing the number of OmniClass™ tables available within an NBIMS-US™ context will have a multiplicative effect on affected applications.

##### 2.4.4.5.1.1 Publishing organization

All OmniClass™ content is published by CSI and Construction Specifications Canada.

##### 2.4.4.5.1.2 Version

The version of OmniClass™ Table 22 – Work Results approved is the “2013-08-25,” designated as OmniClass\_22\_2013-08-25.zip on [www.omniclass.org](http://www.omniclass.org). The version of this table is listed as “Pre Consensus Approved Draft,” which is the final version of any OmniClass™ table as approved by the OmniClass Development Committee prior to full consensus approval, either through NBIMS-US™ or another consensus process.

There is another version of Table 22 – Work Results listed on the [omniclass.org](http://omniclass.org) website, “National Standard 2011-04-11.” That is the version approved as a reference standard for NBIMS-US™ V2.

##### 2.4.4.5.1.3 Date of publication

This document is for the Pre Consensus Approved Draft version of OmniClass™ Table 22, published by CSI on August 25, 2013.

##### 2.4.4.5.2 Normative references.

None

#### **2.4.4.5.3 Terms, definitions, symbols, units and abbreviated terms**

For the purposes of this document, the following terms and definitions apply. These terms and definitions are drawn from the OmniClass™ informational documentation and the ISO standard upon which OmniClass™ is based, ISO 12006-2:2001.

##### **2.4.4.5.3.1**

##### **construction entity**

independent material construction result of significant scale serving at least one user activity or function

##### **2.4.4.5.3.2**

##### **phase**

a portion of work that arises from sequencing work in accordance with a predetermined portion of a stage

##### **2.4.4.5.3.3**

##### **discipline**

practice area or specialty of the actors (participants) that carry out the processes and procedures that occur during the life cycle of a construction entity

##### **2.4.4.5.3.4**

##### **organizational role**

the functional position occupied by a participant, either individual or group, which carries out the processes and procedures which occur during the life cycle of a construction entity

##### **2.4.4.5.3.5**

##### **material**

substance used in construction or to manufacture products and other items used in construction; these substances may be raw materials or refined compounds

##### **2.4.4.5.3.6**

##### **property**

characteristics of construction objects

##### **2.4.4.5.3.7**

##### **work result**

construction result achieved in the implementation phase or by subsequent alteration, maintenance, or demolition processes and identified by one or more of the following: the particular skill or trade involved; the construction resources used; the part of the construction entity which results; the temporary work or other preparatory or completion of work which is the result

##### **2.4.4.5.3.8**

**Construction Specifications Canada  
CSC**

##### **2.4.4.5.3.9**

**OmniClass Development Committee  
ODC**

##### **2.4.4.5.3.10**

**Working Groups  
WG**

#### **2.4.4.5.4 [OmniClass™ Table 22 – Work Results](#)**

#### **2.4.4.5.4.1 License terms**

OmniClass™ license terms can be obtained at <http://omniclass.org/license>.

#### **2.4.4.5.4.2 Referenced by other NBIMS-US™ content**

All OmniClass™ tables reference and are intended to work with other OmniClass™ tables. Additionally, other NBIMS-US™ information exchanges may use one or more OmniClass™ tables as data elements, for example, Table 13 – Spaces by Function is used in COBie. The following information exchanges that are part of NBIMS-US™ use Table 22 – Work Results: COBie.

It is anticipated that as other information exchanges have need to classify additional data elements, the other OmniClass™ tables will be able to serve that role.

#### **2.4.4.5.4.3 Revision type**

A full listing of all modifications and additions to Table 22 – Work Results with rationales approved as changes to the NBIMS-US™ reference standard version is included as Annex A and B below.

#### **2.4.4.5.4.4 Moderate revisions**

There are a number of moderate revisions in the form of numbers and titles added to the previous version of OmniClass™ Table 22 that was successfully approved as a reference standard in previous version of NBIMS-US™. The moderate revisions are detailed below in Annex A.

At least two titles have been added as parents to existing child titles and though as an addition they should be classed as “moderate revisions,” because their addition is part of a change to the existing child titles, they are identified as major revisions below in Annex B.

#### **2.4.4.5.4.5 Major revisions**

There were several major revisions to content formerly in Table 22, in the form of changes to or deletions of numbers and titles that were included in the previous version of OmniClass™ Table 22 that was successfully approved as a reference standard in NBIMS-US™.

These major revisions are detailed below in Annex B.

#### **2.4.4.5.4.6 Revision Documentation**

All revisions are detailed in Annex B below and are also available on two tabs (“2013 pre-con. changes” and “Transition Matrix”) on the spreadsheet that can be downloaded from [omniclass.org](http://omniclass.org).

#### **2.4.4.5.4.7 Expansion Documentation**

All expansions are detailed in Annex A below and are also available on two tabs (“2013 pre-con. changes” and “Transition Matrix”) on the spreadsheet that can be downloaded from [omniclass.org](http://omniclass.org).

**Annex A**  
**Table 22 Approved by Consensus**

**A.1 Full listing of moderate revisions (titles and numbers added) to Table 22 – Work Results, successfully approved in prior version of NBIMS-US™.**

**A.1.1 New titles and numbers added in this version of Table 22**

OmniClass™ Number	OmniClass™ Title	Level	Change Notes
22-01 57 26	Site Watering for Dust Control	3	New Title
22-01 71 36	Non-Destructive Concrete Examination	3	New Title
22-03 15 19	Cast-In Concrete Anchors	3	New Title
22-05 05 19	Post-Installed Concrete Anchors	3	New Title
22-07 05 53	Fire and Smoke Assembly Identification	3	New Title
22-07 14 14	Hot Fluid-Applied Polyurea Waterproofing	3	New Title
22-07 32 14	Ceramic and Porcelain Roof Tiles	3	New Title
22-08 33 44	Overhead Coiling Fire Curtains	3	New Title
22-08 41 13 13	Fire-Rated Aluminum-Framed Entrances and Storefronts	4	New Title
22-08 43 13 13	Fire-Rated Aluminum Storefronts	4	New Title
22-08 44 12	Glazed Composite Curtain Wall	3	New Title
22-08 44 12 13	Glazed Fiberglass Curtain Wall	4	New Title
22-09 61 19	Concrete Staining	3	New Title
22-09 78 00	Interior Wall Paneling	2	New Title
22-09 78 13	Metal Interior Wall Paneling	3	New Title
22-10 14 67	Tactile Signage	3	New Title
22-10 26 23 16	Fiberglass Reinforced Protective Wall Covering	4	New Title
22-10 44 19	Fire Blankets	3	New Title
22-10 71 13 53	Exterior Daylighting Devices	4	New Title
22-10 71 19 16	Removable Flood Barriers	4	New Title
22-11 12 33 13	Lift Arm Parking Gates	4	New Title
22-11 12 33 16	Sliding Parking Gates	4	New Title

OmniClass™ Number	OmniClass™ Title	Level	Change Notes
22-11 12 33 19	Swinging Parking Gates	4	New Title
22-11 16 33	Time Capsules	3	New Title
22-11 17 26	Money Depositories	3	New Title
22-11 46 23	Coffee and Espresso Equipment	3	New Title
22-11 61 33 11	Lighting Rigging Systems	4	New Title
22-11 61 33 16	Scenery Rigging Systems	4	New Title
22-11 61 33 19	Curtain Systems	4	New Title
22-12 26 00	Interior Daylighting Devices	2	New Title
22-12 48 43 23	Anti-Fatigue Floor Mats	4	New Title
22-12 48 43 26	Fall-Cushioning Floor Mats	4	New Title
22-12 56 33 23	Classroom Computer Furniture	4	New Title
22-13 42 46	Education Unit Modules	3	New Title
22-14 93 00	Slide Pole Systems	2	New Title
22-14 93 13	Firehouse Slide Poles	3	New Title
22-22 01 10 16	Video Piping Inspections	4	New Title
22-22 01 10 51	Plumbing Piping Cleaning	4	New Title
22-22 01 10 61	Plumbing Piping Repairs	4	New Title
22-22 01 10 62	Plumbing Piping Relining	4	New Title
22-22 12 21	Facility Underground Potable-Water Storage Tanks	3	New Title
22-23 55 23 13	Low-Intensity Gas-Fired Radiant Heaters	4	New Title
22-23 55 23 16	High-Intensity Gas-Fired Radiant Heaters	4	New Title
22-23 56 23	Solar Air-Heating Panels	3	New Title
22-23 81 29	Variable Refrigerant Flow HVAC Systems	3	New Title
22-26 09 43 19	Wireless Network Lighting Controls	4	New Title
22-26 32 36	Resistive Load Banks	3	New Title
22-28 13 26 11	Wireless Access Control Devices	4	New Title
22-28 36 43	Building Envelope Water Detection and Alarm	3	New Title
22-28 41 00	Electronic Structural Monitoring Systems	2	New Title
22-31 05 19 23	Geosynthetic Clay Liners	4	New Title
22-31 05 19 26	Geocomposites	4	New Title

OmniClass™ Number	OmniClass™ Title	Level	Change Notes
22-31 05 19 29	Geonets	4	New Title
22-32 39 33	Artificial Rock Fabrications	3	New Title
22-32 93 93	Exterior Artificial Plants	3	New Title
22-32 95 00	Exterior Planting Support Structures	2	New Title
22-33 01 10 71	Water Utility Storage Tank Rehabilitation	4	New Title
22-33 36 13 13	Concrete Utility Septic Tank	4	New Title
22-33 36 13 16	Fiberglass Utility Septic Tank	4	New Title
22-33 36 13 19	Polyethylene Utility Septic Tank	4	New Title
22-33 36 16 13	Utility Septic Tank High-Head Effluent Pump	4	New Title
22-33 36 16 16	Utility Septic Tank Effluent Pump Package	4	New Title
22-33 36 19	Utility Septic Tank Effluent Filter	3	New Title
22-33 36 19 13	Utility Septic Tank Effluent Tube Filter	4	New Title
22-33 36 19 16	Utility Septic Tank Effluent Textile Media Filter	4	New Title
22-33 36 33 13	Utility Septic Tank Tile Drainage Field	4	New Title
22-33 36 33 16	Utility Septic Tank Shallow Pressurized Dispersal System	4	New Title
22-33 38 13	Municipal Wastewater Treatment Lagoons	3	New Title
22-33 38 16	Industrial Waste Lagoons	3	New Title
22-33 38 23	Agricultural Waste Lagoons	3	New Title
22-33 38 26	Residential Sewerage Lagoons	3	New Title
22-33 49 22	Storm Drainage Water Detention Structures	3	New Title
22-33 49 23 13	Underground Storm Drainage Water Retention Tanks	4	New Title
22-33 49 24	Storm Drainage Water Storage Structures	3	New Title

## Annex B

**B.1 Full listing of major revisions, titles and numbers changed or deleted, to Table 22 – Work Results, successfully approved in a previous version of NBIMS-US™.**

**B.1.1 Changes** - The following numbers and titles were changed from how they were presented in the prior version of Table 22 – Work Results. The green highlighted columns represent how those numbers and titles now appear.

2011 OmniClass™ Table 22 (titles that changed in 2013)			2013 OmniClass™ Table 22 as changed from 2011			Change Notes 2011-2013
OmniClass™ Number	OmniClass™ Title	Level	OmniClass™ Number	OmniClass™ Title	Level	
			22-04 26 16	Surface Bonded Masonry	3	MODERATE CHANGE New title, added as new parent of child titles.
22-04 21 13 13	Brick Veneer Masonry	4	22-04 26 13 13	Brick Veneer Masonry	4	Level 4 titles placed under new level 3 parent. Change in number.
22-04 21 13 23	Surface-Bonded Brick Masonry	4	22-04 26 16 13	Surface-Bonded Brick Masonry	4	Level 4 titles placed under new level 3 parent. Change in number.
22-04 22 00 13	Concrete Unit Veneer Masonry	4	22-04 26 13 16	Concrete Unit Veneer Masonry	4	Level 4 titles placed under new level 3 parent. Change in number.
22-04 22 00 16	Surface-Bonded Concrete Unit Masonry	4	22-04 26 16 16	Surface-Bonded Concrete Unit Masonry	4	Level 4 titles placed under new level 3 parent. Change in number.
22-06 46 29	Wood Fascia and Soffits	3	22-06 46 29	Wood Fasciae and Soffits	3	Editorial change: Fasciae is the preferred plural term
22-07 71 19	Manufactured Gravel Stops and Fascias	3	22-07 71 19	Manufactured Gravel Stops and Fasciae	3	Editorial change: Fasciae is the preferred plural term
22-11 61 00	Theater and Stage Equipment	2	22-11 61 00	Broadcast, Theater, and Stage Equipment	2	Title change to include Broadcast Equipment
22-12 93 23	Trash and Litter Receptors	3	22-12 93 23	Trash and Litter Receptacles	3	Editorial change: Receptacles is the preferred term
22-23 83 26	Gas-Fired Radiant Heaters	3	22-23 55 23	Gas-Fired Radiant Heaters	3	Removed Duplicate Listing
22-26 43 13	Transient-Voltage Suppression for Low-Voltage Electrical Power Circuits	3	22-26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits	3	Title change for clarification
			22-27 15 01	Communications Horizontal Cabling Applications	3	MODERATE CHANGE New title, added as parent of child titles immediately below.
22-27 15 00 16	Voice Communications Horizontal Cabling	4	22-27 15 01 16	Voice Communications Horizontal Cabling	4	Level 4 titles placed under level 3 parent. Change in number.
22-27 15 00 19	Data Communications Horizontal Cabling	4	22-27 15 01 19	Data Communications Horizontal Cabling	4	Level 4 titles placed under level 3 parent. Change in number.
22-27 15 00 23	Audio-Video Communications Horizontal Cabling	4	22-27 15 01 23	Audio-Video Communications Horizontal Cabling	4	Level 4 titles placed under level 3 parent. Change in number.

2011 OmniClass™ Table 22 (titles that changed in 2013)			2013 OmniClass™ Table 22 as changed from 2011			Change Notes 2011-2013
OmniClass™ Number	OmniClass™ Title	Level	OmniClass™ Number	OmniClass™ Title	Level	
22-27 15 00 39	Patient Monitoring and Telemetry Communications Horizontal Cabling	4	22-27 15 01 39	Patient Monitoring and Telemetry Communications Horizontal Cabling	4	Level 4 titles placed under level 3 parent. Change in number.
22-27 15 00 43	Nurse Call and Intercom Communications Horizontal Cabling	4	22-27 15 01 43	Nurse Call and Intercom Communications Horizontal Cabling	4	Level 4 titles placed under level 3 parent. Change in number.
22-27 15 00 46	Paging Communications Horizontal Cabling	4	22-27 15 01 46	Paging Communications Horizontal Cabling	4	Level 4 titles placed under level 3 parent. Change in number.
22-27 15 00 49	Intermediate Frequency/Radio Frequency Communications Horizontal Cabling	4	22-27 15 01 49	Intermediate Frequency/Radio Frequency Communications Horizontal Cabling	4	Level 4 titles placed under level 3 parent. Change in number.
22-27 15 00 53	Antennas Communications Horizontal Cabling	4	22-27 15 01 53	Antennas Communications Horizontal Cabling	4	Level 4 titles placed under level 3 parent. Change in number.
22-27 60 00	Wireless Transceivers	2	22-27 32 16	Wireless Transceivers	3	Removed Duplicate Listing
22-33 36 33	Utility Drainage Field	3	22-33 36 33	Utility Septic Tank Drainage Field	3	Title change for clarification
22-33 47 23	Sanitary Sewerage Lagoons	3	22-33 38 00	Treatment Lagoons	2	Number and Title change for clarification and expansion
22-34 77 13	Passenger Loading Bridges	3	22-34 77 13	Passenger Boarding Bridges	3	Editorial Change: Boarding is the preferred term
22-34 77 13 13	Fixed Aircraft Passenger Loading Bridges	4	22-34 77 13 13	Fixed Aircraft Passenger Boarding Bridges	4	Editorial Change: Boarding is the preferred term
22-34 77 13 16	Movable Aircraft Passenger Loading Bridges	4	22-34 77 13 16	Movable Aircraft Passenger Boarding Bridges	4	Editorial Change: Boarding is the preferred term
22-34 77 13 23	Ship Passenger Loading Bridges	4	22-34 77 13 23	Ship Passenger Boarding Bridges	4	Editorial Change: Boarding is the preferred term
22-34 77 16	Baggage Handling Equipment	3	22-34 77 00	Transportation Equipment	2	Number and Title deleted for expansion
22-34 77 16 13	Baggage Scanning Equipment	4	22-34 77 33	Baggage Scanning Equipment	3	Number change for clarification and expansion
22-34 77 16 16	Baggage Scales	3	22-34 77 36	Baggage Scales	3	Number change for clarification and expansion
22-34 77 16 19	Baggage Conveying Equipment	3	22-34 77 39	Baggage Conveying Equipment	3	Number change for clarification and expansion
22-48 15 13	Windmills	3	22-48 15 13	Wind Turbines	3	Editorial Change: Wind Turbines is the preferred term



**B.1.2 Deletions** The following numbers and titles were deleted from Table 22 – Work Results, successfully approved in prior version of NBIMS-US™.

OmniClass™ Number	Level 3 Title	Change Notes
22-45 11 10 thru 22-45 12 99	User Defined Oil and Gas Extraction Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 13 10 thru 22-45 14 99	User Defined Mining Machinery and Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 15 10 thru 22-45 16 99	User Defined Food Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 17 10 thru 22-45 18 99	User Defined Beverage and Tobacco Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 19 10 thru 22-45 20 99	User Defined Textiles and Apparel Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 21 10 thru 22-45 22 99	User Defined Leather and Allied Product Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 23 10 thru 22-45 24 99	User Defined Wood Product Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 25 10 thru 22-45 26 99	User Defined Paper Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 27 10 thru 22-45 28 99	User Defined Printing and Related Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 29 10 thru 22-45 30 99	User Defined Petroleum and Coal Products Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 31 10 thru 22-45 32 99	User Defined Chemical Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 33 10 thru 22-45 34 99	User Defined Plastics and Rubber Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 35 10 thru 22-45 36 99	User Defined Nonmetallic Mineral Product Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 37 10 thru 22-45 38 99	User Defined Primary Metal Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.

OmniClass™ Number	Level 3 Title	Change Notes
22-45 39 10 thru 22-45 40 99	User Defined Fabricated Metal Product Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 41 10 thru 22-45 42 99	User Defined Machinery Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 43 10 thru 22-45 44 99	User Defined Computer and Electronic Product Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 45 10 thru 22-45 46 99	User Defined Electrical Equipment, Appliance, and Component Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 47 10 thru 22-45 48 99	User Defined Transportation Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 49 10 thru 22-45 50 99	User Defined Furniture and Related Product Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.
22-45 51 10 thru 22-45 52 99	User Defined Other Manufacturing Equipment	These titles represented ranges of user-assigned titles. As non-standardized content, were deemed inappropriate for standardized presentation.

## Annex C

### C.1 Full contents of Table 22

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-01 00 00	<b>General Requirements</b>
22-01 30 00	Administrative Requirements
22-01 31 00	Project Management and Coordination
22-01 31 13	Project Coordination
22-01 31 14	Facility Services Coordination
22-01 31 16	Multiple Contract Coordination
22-01 31 19	Project Meetings
22-01 31 19 13	Preconstruction Meetings
22-01 31 19 16	Site Mobilization Meetings
22-01 31 19 23	Progress Meetings
22-01 31 19 33	Preinstallation Meetings
22-01 31 23	Project Web Site
22-01 31 26	Electronic Communication Protocols
22-01 32 00	Construction Progress Documentation
22-01 32 13	Scheduling of Work
22-01 32 16	Construction Progress Schedule
22-01 32 16 13	Network Analysis Schedules
22-01 32 19	Submittals Schedule
22-01 32 23	Survey and Layout Data
22-01 32 26	Construction Progress Reporting
22-01 32 29	Periodic Work Observation
22-01 32 33	Photographic Documentation
22-01 32 36	Video Monitoring and Documentation
22-01 32 43	Purchase Order Tracking
22-01 35 00	Special Procedures
22-01 35 13	Special Project Procedures
22-01 35 13 13	Special Project Procedures for Airport Facilities
22-01 35 13 16	Special Project Procedures for Detention Facilities
22-01 35 13 19	Special Project Procedures for Health care Facilities
22-01 35 13 26	Special Project Procedures for Clean Rooms
22-01 35 13 43	Special Project Procedures for Contaminated Sites
22-01 35 16	Alteration Project Procedures
22-01 35 23	Owner Safety Requirements
22-01 35 26	Governmental Safety Requirements
22-01 35 29	Health, Safety, and Emergency Response Procedures
22-01 35 29 13	Health, Safety, and Emergency Response Procedures for Contaminated Sites
22-01 35 33	Infection Control Procedures
22-01 35 43	Environmental Procedures
22-01 35 43 13	Environmental Procedures for Hazardous Materials

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-01 35 43 16	Environmental Procedures for Toxic Materials
22-01 35 46	Indoor Air Quality Procedures
22-01 35 53	Security Procedures
22-01 35 63	Sustainability Certification Project Requirements
22-01 35 66	Sustainability Certification Project Procedures
22-01 35 91	Historic Treatment Procedures
22-01 50 00	Temporary Facilities and Controls
22-01 51 00	Temporary Utilities
22-01 51 13	Temporary Electricity
22-01 51 16	Temporary Fire Protection
22-01 51 19	Temporary Fuel Oil
22-01 51 23	Temporary Heating, Cooling, and Ventilating
22-01 51 26	Temporary Lighting
22-01 51 29	Temporary Natural-Gas
22-01 51 33	Temporary Telecommunications
22-01 51 36	Temporary Water
22-01 52 00	Construction Facilities
22-01 52 13	Field Offices and Sheds
22-01 52 16	First Aid Facilities
22-01 52 19	Sanitary Facilities
22-01 53 00	Temporary Construction
22-01 53 13	Temporary Bridges
22-01 53 16	Temporary Decking
22-01 53 19	Temporary Overpasses
22-01 53 23	Temporary Ramps
22-01 53 26	Temporary Runarounds
22-01 54 00	Construction Aids
22-01 54 13	Temporary Elevators
22-01 54 16	Temporary Hoists
22-01 54 19	Temporary Cranes
22-01 54 23	Temporary Scaffolding and Platforms
22-01 54 26	Temporary Swing Staging
22-01 55 00	Vehicular Access and Parking
22-01 55 13	Temporary Access Roads
22-01 55 16	Haul Routes
22-01 55 19	Temporary Parking Areas
22-01 55 23	Temporary Roads
22-01 55 26	Traffic Control
22-01 55 29	Staging Areas
22-01 56 00	Temporary Barriers and Enclosures
22-01 56 13	Temporary Air Barriers
22-01 56 16	Temporary Dust Barriers
22-01 56 19	Temporary Noise Barriers
22-01 56 23	Temporary Barricades

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-01 56 26	Temporary Fencing
22-01 56 29	Temporary Protective Walkways
22-01 56 33	Temporary Security Barriers
22-01 56 36	Temporary Security Enclosures
22-01 56 39	Temporary Tree and Plant Protection
22-01 57 00	Temporary Controls
22-01 57 13	Temporary Erosion and Sediment Control
22-01 57 16	Temporary Pest Control
22-01 57 19	Temporary Environmental Controls
22-01 57 23	Temporary Storm Water Pollution Control
22-01 57 26	Site Watering for Dust Control
22-01 58 00	Project Identification
22-01 58 13	Temporary Project Signage
22-01 58 16	Temporary Interior Signage
22-01 70 00	Execution and Closeout Requirements
22-01 71 00	Examination and Preparation
22-01 71 13	Mobilization
22-01 71 16	Acceptance of Conditions
22-01 71 23	Field Engineering
22-01 71 23 13	Construction Layout
22-01 71 23 16	Construction Surveying
22-01 71 33	Protection of Adjacent Construction
22-01 71 36	Non-Destructive Concrete Examination
22-01 73 00	Execution
22-01 73 13	Application
22-01 73 16	Erection
22-01 73 19	Installation
22-01 73 23	Bracing and Anchoring
22-01 73 26	Existing Products
22-01 73 29	Cutting and Patching
22-01 74 00	Cleaning and Waste Management
22-01 74 13	Progress Cleaning
22-01 74 16	Site Maintenance
22-01 74 19	Construction Waste Management and Disposal
22-01 74 23	Final Cleaning
22-01 75 00	Starting and Adjusting
22-01 75 13	Checkout Procedures
22-01 75 16	Startup Procedures
22-01 76 00	Protecting Installed Construction
22-01 77 00	Closeout Procedures
22-01 77 13	Preliminary Closeout Reviews
22-01 77 16	Final Closeout Review
22-01 77 19	Closeout Requirements
22-01 78 00	Closeout Submittals

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-01 78 13	Completion and Correction List
22-01 78 19	Maintenance Contracts
22-01 78 23	Operation and Maintenance Data
22-01 78 23 13	Operation Data
22-01 78 23 16	Maintenance Data
22-01 78 23 19	Preventative Maintenance Instructions
22-01 78 29	Final Site Survey
22-01 78 33	Bonds
22-01 78 36	Warranties
22-01 78 39	Project Record Documents
22-01 78 43	Spare Parts
22-01 78 46	Extra Stock Materials
22-01 78 53	Sustainable Design Closeout Documentation
22-01 79 00	Demonstration and Training
22-01 90 00	Life Cycle Activities
22-01 91 00	Commissioning
22-01 91 13	General Commissioning Requirements
22-01 91 16	Facility Substructure Commissioning
22-01 91 16 13	Foundation Commissioning
22-01 91 16 53	Basement Construction Commissioning
22-01 91 19	Facility Shell Commissioning
22-01 91 19 13	Superstructure Commissioning
22-01 91 19 43	Exterior Enclosure Commissioning
22-01 91 19 73	Roofing Commissioning
22-01 91 23	Interiors Commissioning
22-01 91 23 13	Interior Construction Commissioning
22-01 91 23 43	Stairways Commissioning
22-01 91 23 73	Interior Finishes Commissioning
22-01 92 00	Facility Operation
22-01 92 13	Facility Operation Procedures
22-01 93 00	Facility Maintenance
22-01 93 13	Facility Maintenance Procedures
22-01 93 16	Recycling Programs
22-01 94 00	Facility Decommissioning
22-01 94 13	Facility Decommissioning Procedures
22-02 00 00	<b>Existing Conditions</b>
22-02 01 00	Maintenance of Existing Conditions
22-02 01 50	Maintenance of Site Remediation
22-02 01 65	Maintenance of Underground Storage Tank Removal
22-02 01 80	Maintenance of Facility Remediation
22-02 01 86	Maintenance of Hazardous Waste Drum Handling
22-02 05 00	Common Work Results for Existing Conditions
22-02 05 19	Geosynthetics for Existing Conditions
22-02 05 19 13	Geotextiles for Existing Conditions

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-02 05 19 16	Geomembranes for Existing Conditions
22-02 05 19 19	Geogrids for Existing Conditions
22-02 08 00	Commissioning of Existing Conditions
22-02 20 00	Assessment
22-02 21 00	Surveys
22-02 21 13	Site Surveys
22-02 21 13 13	Boundary and Survey Markers
22-02 21 13 23	Archeological and Historic Surveys
22-02 21 16	Measured Drawings
22-02 22 00	Existing Conditions Assessment
22-02 22 13	Movement and Vibration Assessment
22-02 22 16	Acoustic Assessment
22-02 22 19	Traffic Assessment
22-02 22 23	Accessibility Assessment
22-02 24 00	Environmental Assessment
22-02 24 13	Natural Environment Assessment
22-02 24 13 13	Air Assessment
22-02 24 13 43	Water Assessment
22-02 24 13 73	Land Assessment
22-02 24 23	Chemical Sampling and Analysis of Soils
22-02 24 43	Transboundary and Global Environmental Aspects Assessment
22-02 25 00	Existing Material Assessment
22-02 25 16	Existing Concrete Assessment
22-02 25 16 13	Concrete Assessment Drilling
22-02 25 19	Existing Masonry Assessment
22-02 25 19 13	Masonry Assessment Drilling
22-02 25 23	Existing Metals Assessment
22-02 25 23 13	Welding Investigations
22-02 25 26	Existing Wood, Plastics, and Composites Assessment
22-02 25 29	Existing Thermal and Moisture Protection Assessment
22-02 25 29 13	Waterproofing Investigations
22-02 25 29 23	Roofing Investigations
22-02 26 00	Hazardous Material Assessment
22-02 26 23	Asbestos Assessment
22-02 26 26	Lead Assessment
22-02 26 29	Polychlorinate Biphenyl Assessment
22-02 26 33	Biological Assessment
22-02 26 33 13	Mold Assessment
22-02 26 36	Hazardous Waste Drum Assessment
22-02 30 00	Subsurface Investigation
22-02 31 00	Geophysical Investigations
22-02 31 13	Seismic Investigations
22-02 31 16	Gravity Investigations
22-02 31 19	Magnetic Investigations

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-02 31 23	Electromagnetic Investigations
22-02 31 26	Electrical Resistivity Investigations
22-02 31 29	Magnetotelluric Investigations
22-02 32 00	Geotechnical Investigations
22-02 32 13	Subsurface Drilling and Sampling
22-02 32 16	Material Testing
22-02 32 19	Exploratory Excavations
22-02 32 23	Geotechnical Monitoring Before Construction
22-02 32 23 13	Groundwater Monitoring Before Construction
22-02 40 00	Demolition and Structure Moving
22-02 41 00	Demolition
22-02 41 13	Selective Site Demolition
22-02 41 13 13	Paving Removal
22-02 41 13 23	Utility Line Removal
22-02 41 13 33	Railtrack Removal
22-02 41 16	Structure Demolition
22-02 41 16 13	Building Demolition
22-02 41 16 23	Tower Demolition
22-02 41 16 33	Bridge Demolition
22-02 41 16 43	Dam Demolition
22-02 41 19	Selective Demolition
22-02 41 19 13	Selective Building Demolition
22-02 41 19 16	Selective Interior Demolition
22-02 41 19 19	Selective Facility Services Demolition
22-02 41 19 33	Selective Bridge Demolition
22-02 41 91	Selective Historic Demolition
22-02 42 00	Removal and Salvage of Construction Materials
22-02 42 13	Deconstruction of Structures
22-02 42 13 13	Deconstruction of Buildings
22-02 42 91	Removal and Salvage of Historic Construction Materials
22-02 43 00	Structure Moving
22-02 43 13	Structure Relocation
22-02 43 13 13	Building Relocation
22-02 43 16	Structure Raising
22-02 43 16 13	Building Raising
22-02 50 00	Site Remediation
22-02 51 00	Physical Decontamination
22-02 51 13	Coagulation and Flocculation Decontamination
22-02 51 16	Reverse-Osmosis Decontamination
22-02 51 19	Solidification and Stabilization Decontamination
22-02 51 23	Mechanical Filtration Decontamination
22-02 51 26	Radioactive Decontamination
22-02 51 29	Surface Cleaning Decontamination
22-02 51 29 13	High-Pressure Water Cleaning Decontamination



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-02 51 29 16	Vacuum Sweeping Cleaning Decontamination
22-02 51 33	Surface Removal Decontamination
22-02 51 33 13	Surface Removal Decontamination by Grinding
22-02 51 33 16	Surface Removal Decontamination by Sand Blasting
22-02 51 33 19	Surface Removal Decontamination by Ultrasound
22-02 52 00	Chemical Decontamination
22-02 52 13	Chemical Precipitation Decontamination
22-02 52 16	Ion Change Decontamination
22-02 52 19	Neutralization Decontamination
22-02 53 00	Thermal Decontamination
22-02 53 13	Incineration Decontamination
22-02 53 13 13	Remediation of Contaminated Soils and Sludges by Incineration
22-02 53 16	Thermal Desorption Decontamination
22-02 53 16 13	Remediation of Contaminated Soils by Thermal Desorption
22-02 53 19	Vitrification Decontamination
22-02 54 00	Biological Decontamination
22-02 54 13	Aerobic Processes Decontamination
22-02 54 16	Anaerobic Processes Decontamination
22-02 54 19	Bioremediation Decontamination
22-02 54 19 13	Bioremediation Using Landfarming
22-02 54 19 16	Bioremediation of Soils Using Windrow Composting
22-02 54 19 19	Bioremediation Using Bacteria Injection
22-02 54 23	Soil Washing through Separation/Solubilization
22-02 54 26	Organic Decontamination
22-02 55 00	Remediation Soil Stabilization
22-02 56 00	Site Containment
22-02 56 13	Waste Containment
22-02 56 13 13	Geomembrane Waste Containment
22-02 56 19	Gas Containment
22-02 56 19 13	Fluid-Applied Gas Barrier
22-02 57 00	Sinkhole Remediation
22-02 57 13	Sinkhole Remediation by Grouting
22-02 57 13 13	Sinkhole Remediation by Compaction Grouting
22-02 57 13 16	Sinkhole Remediation by Cap Grouting
22-02 57 16	Sinkhole Remediation by Backfilling
22-02 58 00	Snow Control
22-02 58 13	Snow Fencing
22-02 58 16	Snow Avalanche Control
22-02 60 00	Contaminated Site Material Removal
22-02 61 00	Removal and Disposal of Contaminated Soils
22-02 61 13	Excavation and Handling of Contaminated Material
22-02 61 23	Removal and Disposal of Polychlorinate Biphenyl Contaminated Soils
22-02 61 26	Removal and Disposal of Asbestos Contaminated Soils
22-02 61 29	Removal and Disposal of Organically Contaminated Soils

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-02 62 00	Hazardous Waste Recovery Processes
22-02 62 13	Air and Steam Stripping
22-02 62 16	Soil Vapor Extraction
22-02 62 19	Soil Washing and Flushing
22-02 65 00	Underground Storage Tank Removal
22-02 66 00	Landfill Construction and Storage
22-02 70 00	Water Remediation
22-02 71 00	Groundwater Treatment
22-02 72 00	Water Decontamination
22-02 72 13	Chemical Water Decontamination
22-02 72 16	Biological Water Decontamination
22-02 72 19	Electrolysis Water Decontamination
22-02 80 00	Facility Remediation
22-02 81 00	Transportation and Disposal of Hazardous Materials
22-02 82 00	Asbestos Remediation
22-02 82 13	Asbestos Abatement
22-02 82 13 13	Glovebag Asbestos Abatement
22-02 82 13 16	Precautions for Asbestos Abatement
22-02 82 13 19	Asbestos Floor Tile and Mastic Abatement
22-02 82 16	Engineering Control of Asbestos Containing Materials
22-02 82 33	Removal and Disposal of Asbestos Containing Materials
22-02 83 00	Lead Remediation
22-02 83 13	Lead Hazard Control Activities
22-02 83 19	Lead-Based Paint Remediation
22-02 83 19 13	Lead-Based Paint Abatement
22-02 83 33	Removal and Disposal of Material Containing Lead
22-02 83 33 13	Lead-Based Paint Removal and Disposal
22-02 84 00	Polychlorinate Biphenyl Remediation
22-02 84 16	Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury
22-02 84 33	Removal and Disposal of Polychlorinate Biphenyls
22-02 85 00	Mold Remediation
22-02 85 13	Precautions for Mold Remediation
22-02 85 16	Mold Remediation Preparation and Containment
22-02 85 19	Mold Remediation Clearance Air Sampling
22-02 85 33	Removal and Disposal of Materials with Mold
22-02 86 00	Hazardous Waste Drum Handling
22-03 00 00	<b>Concrete</b>
22-03 01 00	Maintenance of Concrete
22-03 01 10	Maintenance of Concrete Forming and Accessories
22-03 01 20	Maintenance of Concrete Reinforcing
22-03 01 23	Maintenance of Stressing Tendons
22-03 01 30	Maintenance of Cast-in-Place Concrete
22-03 01 30 51	Cleaning of Cast-in-Place Concrete
22-03 01 30 61	Resurfacing of Cast-in-Place Concrete

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-03 01 30 71	Rehabilitation of Cast-in-Place Concrete
22-03 01 30 72	Strengthening of Cast-in-Place Concrete
22-03 01 40	Maintenance of Precast Concrete
22-03 01 40 51	Cleaning of Precast Concrete
22-03 01 40 61	Resurfacing of Precast Concrete
22-03 01 40 71	Rehabilitation of Precast Concrete
22-03 01 40 72	Strengthening of Precast Concrete
22-03 01 50	Maintenance of Cast Decks and Underlayment
22-03 01 50 51	Cleaning Cast Decks and Underlayment
22-03 01 50 61	Resurfacing of Cast Decks and Underlayment
22-03 01 50 71	Rehabilitation of Cast Decks and Underlayment
22-03 01 50 72	Strengthening of Cast Decks and Underlayment
22-03 01 60	Maintenance of Grouting
22-03 01 70	Maintenance of Mass Concrete
22-03 01 80	Maintenance of Concrete Cutting and Boring
22-03 05 00	Common Work Results for Concrete
22-03 08 00	Commissioning of Concrete
22-03 10 00	Concrete Forming and Accessories
22-03 11 00	Concrete Forming
22-03 11 13	Structural Cast-in-Place Concrete Forming
22-03 11 13 13	Concrete Slip Forming
22-03 11 13 16	Concrete Shoring
22-03 11 13 19	Falsework
22-03 11 16	Architectural Cast-in Place Concrete Forming
22-03 11 16 13	Concrete Form Liners
22-03 11 19	Insulating Concrete Forming
22-03 11 23	Permanent Stair Forming
22-03 15 00	Concrete Accessories
22-03 15 13	Waterstops
22-03 15 13 13	Non-Expanding Waterstops
22-03 15 13 16	Expanding Waterstops
22-03 15 13 19	Combination Expanding and Injection Hose Waterstops
22-03 15 13 21	Injection Hose Waterstops
22-03 15 16	Concrete Construction Joints
22-03 15 19	Cast-In Concrete Anchors
22-03 20 00	Concrete Reinforcing
22-03 21 00	Reinforcement Bars
22-03 21 11	Plain Steel Reinforcement Bars
22-03 21 13	Galvanized Reinforcement Steel Bars
22-03 21 16	Epoxy-Coated Reinforcement Steel Bars
22-03 21 19	Stainless Steel Reinforcement Bars
22-03 21 21	Composite Reinforcement Bars
22-03 21 21 11	Glass Fiber-Reinforced Polymer Reinforcement Bars
22-03 21 21 13	Organic Fiber-Reinforced Polymer Reinforcement Bars

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-03 21 21 16	Carbon Fiber-Reinforced Polymer Reinforcement Bars
22-03 22 00	Fabric and Grid Reinforcing
22-03 22 13	Galvanized Welded Wire Fabric Reinforcing
22-03 22 16	Epoxy-Coated Welded Wire Fabric Reinforcing
22-03 22 19	Composite Grid Reinforcing
22-03 23 00	Stressed Tendon Reinforcing
22-03 24 00	Fibrous Reinforcing
22-03 25 00	Composite Reinforcing
22-03 25 13	Glass Fiber-Reinforced Polymer Reinforcing
22-03 25 16	Organic Fiber-Reinforced Polymer Reinforcing
22-03 25 19	Carbon Fiber-Reinforced Polymer Reinforcing
22-03 30 00	Cast-in-Place Concrete
22-03 30 53	Miscellaneous Cast-in-Place Concrete
22-03 31 00	Structural Concrete
22-03 31 13	Heavyweight Structural Concrete
22-03 31 16	Lightweight Structural Concrete
22-03 31 19	Shrinkage-Compensating Structural Concrete
22-03 31 23	High-Performance Structural Concrete
22-03 31 24	Ultra High-Performance Structural Concrete
22-03 31 26	Self-Compacting Concrete
22-03 33 00	Architectural Concrete
22-03 33 13	Heavyweight Architectural Concrete
22-03 33 16	Lightweight Architectural Concrete
22-03 34 00	Low Density Concrete
22-03 35 00	Concrete Finishing
22-03 35 13	High-Tolerance Concrete Floor Finishing
22-03 35 16	Heavy-Duty Concrete Floor Finishing
22-03 35 19	Colored Concrete Finishing
22-03 35 23	Exposed Aggregate Concrete Finishing
22-03 35 26	Grooved Concrete Surface Finishing
22-03 35 29	Tooled Concrete Finishing
22-03 35 33	Stamped Concrete Finishing
22-03 35 43	Polished Concrete Finishing
22-03 37 00	Specialty Placed Concrete
22-03 37 13	Shotcrete
22-03 37 16	Pumped Concrete
22-03 37 19	Pneumatically Placed Concrete
22-03 37 23	Roller-Compacted Concrete
22-03 37 26	Underwater Placed Concrete
22-03 38 00	Post-Tensioned Concrete
22-03 38 13	Post-Tensioned Concrete Preparation
22-03 38 16	Unbonded Post-Tensioned Concrete
22-03 38 19	Bonded Post-Tensioned Concrete
22-03 39 00	Concrete Curing

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-03 39 13	Water Concrete Curing
22-03 39 16	Sand Concrete Curing
22-03 39 23	Membrane Concrete Curing
22-03 39 23 13	Chemical Compound Membrane Concrete Curing
22-03 39 23 23	Sheet Membrane Concrete Curing
22-03 40 00	Precast Concrete
22-03 41 00	Precast Structural Concrete
22-03 41 13	Precast Concrete Hollow Core Planks
22-03 41 16	Precast Concrete Slabs
22-03 41 23	Precast Concrete Stairs
22-03 41 33	Precast Structural Pretensioned Concrete
22-03 41 36	Precast Structural Post-Tensioned Concrete
22-03 45 00	Precast Architectural Concrete
22-03 45 13	Faced Architectural Precast Concrete
22-03 45 33	Precast Architectural Pretensioned Concrete
22-03 45 36	Precast Architectural Post-Tensioned Concrete
22-03 47 00	Site-Cast Concrete
22-03 47 13	Tilt-Up Concrete
22-03 47 16	Lift-Slab Concrete
22-03 48 00	Precast Concrete Specialties
22-03 48 13	Precast Concrete Bollards
22-03 48 16	Precast Concrete Splash Blocks
22-03 48 19	Precast Concrete Stair Treads
22-03 48 33	Precast Pre-Framed Concrete Panels
22-03 48 43	Precast Concrete Trim
22-03 49 00	Glass-Fiber-Reinforced Concrete
22-03 49 13	Glass-Fiber-Reinforced Concrete Column Covers
22-03 49 16	Glass-Fiber-Reinforced Concrete Spandrels
22-03 49 43	Glass-Fiber-Reinforced Concrete Trim
22-03 50 00	Cast Decks and Underlayment
22-03 51 00	Cast Roof Decks
22-03 51 13	Cementitious Wood Fiber Decks
22-03 51 16	Gypsum Concrete Roof Decks
22-03 52 00	Lightweight Concrete Roof Insulation
22-03 52 13	Composite Concrete Roof Insulation
22-03 52 16	Lightweight Insulating Concrete
22-03 52 16 13	Lightweight Cellular Insulating Concrete
22-03 52 16 16	Lightweight Aggregate Insulating Concrete
22-03 53 00	Concrete Topping
22-03 53 13	Emery-Aggregate Concrete Topping
22-03 53 16	Iron-Aggregate Concrete Topping
22-03 54 00	Cast Underlayment
22-03 54 13	Gypsum Cement Underlayment
22-03 54 16	Hydraulic Cement Underlayment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-03 60 00	Grouting
22-03 61 00	Cementitious Grouting
22-03 61 13	Dry-Pack Grouting
22-03 62 00	Non-Shrink Grouting
22-03 62 13	Non-Metallic Non-Shrink Grouting
22-03 62 16	Metallic Non-Shrink Grouting
22-03 63 00	Epoxy Grouting
22-03 64 00	Injection Grouting
22-03 64 23	Epoxy Injection Grouting
22-03 70 00	Mass Concrete
22-03 71 00	Mass Concrete for Raft Foundations
22-03 72 00	Mass Concrete for Dams
22-03 80 00	Concrete Cutting and Boring
22-03 81 00	Concrete Cutting
22-03 81 13	Flat Concrete Sawing
22-03 81 16	Track Mounted Concrete Wall Sawing
22-03 81 19	Wire Concrete Wall Sawing
22-03 81 23	Hand Concrete Wall Sawing
22-03 81 26	Chain Concrete Wall Sawing
22-03 82 00	Concrete Boring
22-03 82 13	Concrete Core Drilling
22-04 00 00	<b>Masonry</b>
22-04 01 00	Maintenance of Masonry
22-04 01 20	Maintenance of Unit Masonry
22-04 01 20 41	Unit Masonry Stabilization
22-04 01 20 51	Unit Masonry Maintenance
22-04 01 20 52	Unit Masonry Cleaning
22-04 01 20 91	Unit Masonry Restoration
22-04 01 20 93	Testing and Sampling Brick Units for Restoration
22-04 01 40	Maintenance of Stone Assemblies
22-04 01 40 51	Stone Maintenance
22-04 01 40 52	Stone Cleaning
22-04 01 40 91	Stone Restoration
22-04 01 50	Maintenance of Refractory Masonry
22-04 01 60	Maintenance of Corrosion-Resistant Masonry
22-04 01 70	Maintenance of Manufactured Masonry
22-04 05 00	Common Work Results for Masonry
22-04 05 13	Masonry Mortaring
22-04 05 13 16	Chemical-Resistant Masonry Mortaring
22-04 05 13 19	Epoxy Masonry Mortaring
22-04 05 13 23	Surface Bonding Masonry Mortaring
22-04 05 13 26	Engineered Masonry Mortaring
22-04 05 13 29	Refractory Masonry Mortaring
22-04 05 13 91	Masonry Restoration Mortaring

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-04 05 16	Masonry Grouting
22-04 05 16 16	Chemical-Resistant Masonry Grouting
22-04 05 16 26	Engineered Masonry Grouting
22-04 05 19	Masonry Anchorage and Reinforcing
22-04 05 19 13	Continuous Joint Reinforcing
22-04 05 19 16	Masonry Anchors
22-04 05 19 26	Masonry Reinforcing Bars
22-04 05 19 29	Stone Anchors
22-04 05 21	Masonry Strengthening
22-04 05 23	Masonry Accessories
22-04 05 23 13	Masonry Control and Expansion Joints
22-04 05 23 16	Masonry Embedded Flashing
22-04 05 23 19	Masonry Cavity Drainage, Weepholes, and Vents
22-04 08 00	Commissioning of Masonry
22-04 20 00	Unit Masonry
22-04 21 00	Clay Unit Masonry
22-04 21 13	Brick Masonry
22-04 21 16	Ceramic Glazed Clay Masonry
22-04 21 19	Clay Tile Masonry
22-04 21 23	Structural Clay Tile Masonry
22-04 21 26	Glazed Structural Clay Tile Masonry
22-04 21 29	Terra Cotta Masonry
22-04 22 00	Concrete Unit Masonry
22-04 22 19	Insulated Concrete Unit Masonry
22-04 22 23	Architectural Concrete Unit Masonry
22-04 22 23 13	Exposed Aggregate Concrete Unit Masonry
22-04 22 23 16	Fluted Concrete Unit Masonry
22-04 22 23 19	Molded-Face Concrete Unit Masonry
22-04 22 23 23	Prefaced Concrete Unit Masonry
22-04 22 23 26	Sound-Absorbing Concrete Unit Masonry
22-04 22 23 29	Split-Face Concrete Unit Masonry
22-04 22 26	Autoclaved Aerated Concrete Unit Masonry
22-04 22 33	Interlocking Concrete Unit Masonry
22-04 23 00	Glass Unit Masonry
22-04 23 13	Vertical Glass Unit Masonry
22-04 23 16	Glass Unit Masonry Floors
22-04 23 19	Glass Unit Masonry Skylights
22-04 24 00	Adobe Unit Masonry
22-04 24 13	Site-Cast Adobe Unit Masonry
22-04 24 16	Manufactured Adobe Unit Masonry
22-04 25 00	Unit Masonry Panels
22-04 25 13	Metal-Supported Unit Masonry Panels
22-04 26 00	Single-Wythe Unit Masonry
22-04 26 13	Masonry Veneer

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-04 26 13 13	Brick Veneer Masonry
22-04 26 13 16	Concrete Unit Veneer Masonry
22-04 26 16	Surface Bonded Masonry
22-04 26 16 13	Surface-Bonded Brick Masonry
22-04 26 16 16	Surface-Bonded Concrete Unit Masonry
22-04 27 00	Multiple-Wythe Unit Masonry
22-04 27 13	Composite Unit Masonry
22-04 27 23	Cavity Wall Unit Masonry
22-04 28 00	Concrete Form Masonry Units
22-04 28 13	Dry-Stacked, Concrete-Filled Masonry Units
22-04 28 23	Mortar-Set, Concrete-Filled Masonry Units
22-04 29 00	Engineered Unit Masonry
22-04 40 00	Stone Assemblies
22-04 41 00	Dry-Placed Stone
22-04 42 00	Exterior Stone Cladding
22-04 42 13	Masonry-Supported Stone Cladding
22-04 42 16	Steel-Stud-Supported Stone Cladding
22-04 42 19	Strongback-Frame-Supported Stone Cladding
22-04 42 23	Truss-Supported Stone Cladding
22-04 42 26	Grid-System-Supported Stone Cladding
22-04 42 43	Stone Panels for Curtain Walls
22-04 43 00	Stone Masonry
22-04 43 13	Stone Masonry Veneer
22-04 43 13 13	Anchored Stone Masonry Veneer
22-04 43 13 16	Adhered Stone Masonry Veneer
22-04 50 00	Refractory Masonry
22-04 51 00	Flue Liner Masonry
22-04 52 00	Combustion Chamber Masonry
22-04 53 00	Castable Refractory Masonry
22-04 54 00	Refractory Brick Masonry
22-04 57 00	Masonry Fireplaces
22-04 57 33	Modular Masonry Fireplaces
22-04 60 00	Corrosion-Resistant Masonry
22-04 61 00	Chemical-Resistant Brick Masonry
22-04 62 00	Vitrified Clay Liner Plate
22-04 70 00	Manufactured Masonry
22-04 71 00	Manufactured Brick Masonry
22-04 71 13	Calcium Silicate Manufactured Brick Masonry
22-04 72 00	Cast Stone Masonry
22-04 73 00	Manufactured Stone Masonry
22-04 73 13	Calcium Silicate Manufactured Stone Masonry
22-05 00 00	<b>Metals</b>
22-05 01 00	Maintenance of Metals
22-05 01 10	Maintenance of Structural Metal Framing



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-05 01 20	Maintenance of Metal Joists
22-05 01 30	Maintenance of Metal Decking
22-05 01 40	Maintenance of Cold-Formed Metal Framing
22-05 01 50	Maintenance of Metal Fabrications
22-05 01 70	Maintenance of Decorative Metal
22-05 01 70 91	Historic Treatment of Decorative Metal
22-05 05 00	Common Work Results for Metals
22-05 05 13	Shop-Applied Coatings for Metal
22-05 05 19	Post-Installed Concrete Anchors
22-05 05 23	Metal Fastenings
22-05 05 53	Security Metal Fastenings
22-05 08 00	Commissioning of Metals
22-05 10 00	Structural Metal Framing
22-05 12 00	Structural Steel Framing
22-05 12 13	Architecturally-Exposed Structural Steel Framing
22-05 12 16	Fabricated Fireproofed Steel Columns
22-05 12 19	Buckling Restrained Braces
22-05 12 23	Structural Steel for Buildings
22-05 12 33	Structural Steel for Bridges
22-05 13 00	Structural Stainless-Steel Framing
22-05 14 00	Structural Aluminum Framing
22-05 14 13	Architecturally-Exposed Structural Aluminum Framing
22-05 15 00	Wire Rope Assemblies
22-05 15 13	Aluminum Wire Rope Assemblies
22-05 15 16	Steel Wire Rope Assemblies
22-05 15 19	Stainless-Steel Wire Rope Assemblies
22-05 16 00	Structural Cabling
22-05 16 13	Cable Bow Truss Assemblies
22-05 16 33	Bridge Cabling
22-05 17 00	Structural Rod Assemblies
22-05 19 00	Tension Rod and Cable Truss Assemblies
22-05 19 13	Façade Support Truss Assemblies
22-05 19 19	Canopy Support Truss Assemblies
22-05 20 00	Metal Joists
22-05 21 00	Steel Joist Framing
22-05 21 13	Deep Longspan Steel Joist Framing
22-05 21 16	Longspan Steel Joist Framing
22-05 21 19	Open Web Steel Joist Framing
22-05 21 23	Steel Joist Girder Framing
22-05 25 00	Aluminum Joist Framing
22-05 30 00	Metal Decking
22-05 31 00	Steel Decking
22-05 31 13	Steel Floor Decking
22-05 31 23	Steel Roof Decking

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-05 31 33	Steel Form Decking
22-05 33 00	Aluminum Decking
22-05 33 13	Aluminum Floor Decking
22-05 33 23	Aluminum Roof Decking
22-05 34 00	Acoustical Metal Decking
22-05 35 00	Raceway Decking Assemblies
22-05 36 00	Composite Metal Decking
22-05 36 13	Composite Steel Plate and Elastomer Decking
22-05 40 00	Cold-Formed Metal Framing
22-05 41 00	Structural Metal Stud Framing
22-05 42 00	Cold-Formed Metal Joist Framing
22-05 42 13	Cold-Formed Metal Floor Joist Framing
22-05 42 23	Cold-Formed Metal Roof Joist Framing
22-05 43 00	Slotted Channel Framing
22-05 44 00	Cold-Formed Metal Trusses
22-05 44 13	Cold-Formed Metal Roof Trusses
22-05 45 00	Metal Support Assemblies
22-05 45 13	Mechanical Metal Supports
22-05 45 16	Electrical Metal Supports
22-05 45 19	Communications Metal Supports
22-05 45 23	Healthcare Metal Supports
22-05 50 00	Metal Fabrications
22-05 51 00	Metal Stairs
22-05 51 13	Metal Pan Stairs
22-05 51 16	Metal Floor Plate Stairs
22-05 51 19	Metal Grating Stairs
22-05 51 23	Metal Fire Escapes
22-05 51 33	Metal Ladders
22-05 51 33 13	Vertical Metal Ladders
22-05 51 33 16	Inclined Metal Ladders
22-05 51 33 23	Alternating Tread Ladders
22-05 51 36	Metal Walkways
22-05 51 36 13	Metal Catwalks
22-05 51 36 16	Metal Ramps
22-05 52 00	Metal Railings
22-05 52 13	Pipe and Tube Railings
22-05 53 00	Metal Gratings
22-05 53 13	Bar Gratings
22-05 53 16	Plank Gratings
22-05 54 00	Metal Floor Plates
22-05 55 00	Metal Stair Treads and Nosings
22-05 55 13	Metal Stair Treads
22-05 55 16	Metal Stair Nosings
22-05 56 00	Metal Castings

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-05 58 00	Formed Metal Fabrications
22-05 58 13	Column Covers
22-05 58 16	Formed Metal Enclosures
22-05 58 19	Heating/Cooling Unit Covers
22-05 58 23	Formed Metal Guards
22-05 59 00	Metal Specialties
22-05 59 13	Metal Balconies
22-05 59 63	Detention Enclosures
22-05 70 00	Decorative Metal
22-05 71 00	Decorative Metal Stairs
22-05 71 13	Fabricated Metal Spiral Stairs
22-05 73 00	Decorative Metal Railings
22-05 73 13	Glazed Decorative Metal Railings
22-05 73 16	Wire Rope Decorative Metal Railings
22-05 74 00	Decorative Metal Castings
22-05 75 00	Decorative Formed Metal
22-05 76 00	Decorative Forged Metal
22-06 00 00	<b>Wood, Plastics, and Composites</b>
22-06 01 00	Maintenance of Wood, Plastics, and Composites
22-06 01 10	Maintenance of Rough Carpentry
22-06 01 10 71	Rough Carpentry Rehabilitation
22-06 01 10 91	Rough Carpentry Restoration
22-06 01 10 92	Rough Carpentry Preservation
22-06 01 20	Maintenance of Finish Carpentry
22-06 01 20 71	Finish Carpentry Rehabilitation
22-06 01 20 91	Finish Carpentry Restoration
22-06 01 20 92	Finish Carpentry Preservation
22-06 01 40	Maintenance of Architectural Woodwork
22-06 01 40 51	Architectural Woodwork Cleaning
22-06 01 40 61	Architectural Woodwork Refinishing
22-06 01 40 91	Architectural Woodwork Restoration
22-06 01 50	Maintenance of Structural Plastics
22-06 01 60	Maintenance of Plastic Fabrications
22-06 01 60 51	Plastic Cleaning
22-06 01 60 71	Plastic Rehabilitation
22-06 01 60 91	Plastic Restoration
22-06 01 60 92	Plastic Preservation
22-06 01 70	Maintenance of Structural Composites
22-06 01 80	Maintenance of Composite Assemblies
22-06 01 80 51	Composite Cleaning
22-06 01 80 71	Composite Rehabilitation
22-06 01 80 91	Composite Restoration
22-06 01 80 92	Composite Preservation
22-06 05 00	Common Work Results for Wood, Plastics, and Composites

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-06 05 23	Wood, Plastic, and Composite Fastenings
22-06 05 73	Wood Treatment
22-06 05 73 13	Fire-Retardant Wood Treatment
22-06 05 73 33	Preservative Wood Treatment
22-06 05 73 91	Long-Term Wood Treatment
22-06 05 73 93	Eradication of Insects in Wood
22-06 05 73 96	Antiseptic Treatment of Wood
22-06 05 83	Shop-Applied Wood Coatings
22-06 08 00	Commissioning of Wood, Plastics, and Composites
22-06 10 00	Rough Carpentry
22-06 10 53	Miscellaneous Rough Carpentry
22-06 10 63	Exterior Rough Carpentry
22-06 11 00	Wood Framing
22-06 11 13	Engineered Wood Products
22-06 11 16	Mechanically Graded Lumber
22-06 12 00	Structural Panels
22-06 12 13	Cementitious Reinforced Panels
22-06 12 16	Stressed Skin Panels
22-06 13 00	Heavy Timber Construction
22-06 13 13	Log Construction
22-06 13 13 91	Period Horizontal Log Work
22-06 13 16	Pole Construction
22-06 13 23	Heavy Timber Framing
22-06 13 26	Heavy Timber Trusses
22-06 13 33	Heavy Timber Pier Construction
22-06 14 00	Treated Wood Foundations
22-06 15 00	Wood Decking
22-06 15 13	Wood Floor Decking
22-06 15 13 91	Carvel Planking
22-06 15 16	Wood Roof Decking
22-06 15 19	Timber Decking
22-06 15 23	Laminated Wood Decking
22-06 15 33	Wood Patio Decking
22-06 16 00	Sheathing
22-06 16 13	Insulating Sheathing
22-06 16 23	Subflooring
22-06 16 26	Underlayment
22-06 16 33	Wood Board Sheathing
22-06 16 36	Wood Panel Product Sheathing
22-06 16 43	Gypsum Sheathing
22-06 16 53	Moisture-Resistant Sheathing Board
22-06 16 63	Cementitious Sheathing
22-06 17 00	Shop-Fabricated Structural Wood
22-06 17 13	Laminated Veneer Lumber

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-06 17 23	Parallel Strand Lumber
22-06 17 33	Wood I-Joists
22-06 17 36	Metal-Web Wood Joists
22-06 17 43	Rim Boards
22-06 17 53	Shop-Fabricated Wood Trusses
22-06 18 00	Glued-Laminated Construction
22-06 18 13	Glued-Laminated Beams
22-06 18 16	Glued-Laminated Columns
22-06 20 00	Finish Carpentry
22-06 20 13	Exterior Finish Carpentry
22-06 20 23	Interior Finish Carpentry
22-06 22 00	Millwork
22-06 22 13	Standard Pattern Wood Trim
22-06 25 00	Prefinished Paneling
22-06 25 13	Prefinished Hardboard Paneling
22-06 25 16	Prefinished Plywood Paneling
22-06 26 00	Board Paneling
22-06 26 13	Profile Board Paneling
22-06 40 00	Architectural Woodwork
22-06 40 13	Exterior Architectural Woodwork
22-06 40 23	Interior Architectural Woodwork
22-06 41 00	Architectural Wood Casework
22-06 41 13	Wood-Veneer-Faced Architectural Cabinets
22-06 41 16	Plastic-Laminate-Clad Architectural Cabinets
22-06 41 93	Cabinet and Drawer Hardware
22-06 42 00	Wood Paneling
22-06 42 13	Wood Board Paneling
22-06 42 14	Stile and Rail Wood Paneling
22-06 42 16	Flush Wood Paneling
22-06 42 19	Plastic-Laminate-Faced Wood Paneling
22-06 43 00	Wood Stairs and Railings
22-06 43 13	Wood Stairs
22-06 43 16	Wood Railings
22-06 44 00	Ornamental Woodwork
22-06 44 13	Wood Turnings
22-06 44 16	Wood Pilasters
22-06 44 19	Wood Grilles
22-06 44 23	Wood Corbels
22-06 44 26	Wood Cupolas
22-06 44 29	Wood Finials
22-06 44 33	Wood Mantels
22-06 44 36	Wood Pediment Heads
22-06 44 39	Wood Posts and Columns
22-06 46 00	Wood Trim

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-06 46 13	Wood Door and Window Casings
22-06 46 16	Wood Aprons
22-06 46 19	Wood Base and Shoe Moldings
22-06 46 23	Wood Chair Rails
22-06 46 26	Wood Cornices
22-06 46 29	Wood Fasciae and Soffits
22-06 46 33	Wood Stops, Stools, and Sills
22-06 46 91	Splicing of Wooden Components
22-06 48 00	Wood Frames
22-06 48 13	Exterior Wood Door Frames
22-06 48 16	Interior Wood Door Frames
22-06 48 19	Ornamental Wood Frames
22-06 48 23	Stick-Built Wood Windows
22-06 48 26	Wood-Veneer Frames
22-06 49 00	Wood Screens and Exterior Wood Shutters
22-06 49 13	Wood Screens
22-06 49 16	Exterior Wood Blinds
22-06 49 19	Exterior Wood Shutters
22-06 50 00	Structural Plastics
22-06 51 00	Structural Plastic Shapes and Plates
22-06 51 13	Plastic Lumber
22-06 52 00	Plastic Structural Assemblies
22-06 53 00	Plastic Decking
22-06 53 13	Solid Plastic Decking
22-06 60 00	Plastic Fabrications
22-06 61 00	Simulated Stone Fabrications
22-06 61 13	Cultured Marble Fabrications
22-06 61 16	Solid Surfacing Fabrications
22-06 61 19	Quartz Surfacing Fabrications
22-06 63 00	Plastic Railings
22-06 64 00	Plastic Paneling
22-06 64 13	Plastic Lattice Paneling
22-06 65 00	Plastic Simulated Wood Trim
22-06 66 00	Custom Ornamental Simulated Woodwork
22-06 70 00	Structural Composites
22-06 71 00	Structural Composite Shapes and Plates
22-06 71 13	Composite Lumber
22-06 72 00	Composite Structural Assemblies
22-06 72 13	Composite Joist Assemblies
22-06 73 00	Composite Decking
22-06 73 13	Composite Structural Decking
22-06 74 00	Composite Gratings
22-06 74 13	Fiberglass Reinforced Gratings
22-06 80 00	Composite Fabrications

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-06 81 00	Composite Railings
22-06 81 13	Glass-Fiber-Reinforced Plastic Railings
22-06 83 00	Composite Paneling
22-06 83 13	Resin Composite Paneling
22-06 83 16	Fiberglass Reinforced Paneling
22-07 00 00	<b>Thermal and Moisture Protection</b>
22-07 01 00	Operation and Maintenance of Thermal and Moisture Protection
22-07 01 10	Maintenance of Dampproofing and Waterproofing
22-07 01 10 81	Waterproofing Replacement
22-07 01 20	Maintenance of Thermal Protection
22-07 01 30	Maintenance of Steep Slope Roofing
22-07 01 40	Maintenance of Roofing and Siding Panels
22-07 01 50	Maintenance of Membrane Roofing
22-07 01 50 13	Roof Moisture Survey
22-07 01 50 16	Roof Maintenance Program
22-07 01 50 19	Preparation for Re-Roofing
22-07 01 50 23	Roof Removal
22-07 01 50 61	Roof Re-Coating
22-07 01 50 81	Roof Replacement
22-07 01 50 91	Roofing Restoration
22-07 01 60	Maintenance of Flashing and Sheet Metal
22-07 01 60 71	Flashing and Sheet Metal Rehabilitation
22-07 01 60 91	Flashing and Sheet Metal Restoration
22-07 01 60 92	Flashing and Sheet Metal Preservation
22-07 01 70	Operation and Maintenance of Roof Specialties and Accessories
22-07 01 80	Maintenance of Fire and Smoke Protection
22-07 01 90	Maintenance of Joint Protection
22-07 01 90 71	Joint Sealant Rehabilitation
22-07 01 90 81	Joint Sealant Replacement
22-07 05 00	Common Work Results for Thermal and Moisture Protection
22-07 05 53	Fire and Smoke Assembly Identification
22-07 08 00	Commissioning of Thermal and Moisture Protection
22-07 10 00	Dampproofing and Waterproofing
22-07 11 00	Dampproofing
22-07 11 13	Bituminous Dampproofing
22-07 11 16	Cementitious Dampproofing
22-07 11 19	Sheet Dampproofing
22-07 12 00	Built-Up Bituminous Waterproofing
22-07 12 13	Built-Up Asphalt Waterproofing
22-07 12 16	Built-Up Coal Tar Waterproofing
22-07 13 00	Sheet Waterproofing
22-07 13 13	Bituminous Sheet Waterproofing
22-07 13 26	Self-Adhering Sheet Waterproofing
22-07 13 52	Modified Bituminous Sheet Waterproofing

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-07 13 53	Elastomeric Sheet Waterproofing
22-07 13 54	Thermoplastic Sheet Waterproofing
22-07 14 00	Fluid-Applied Waterproofing
22-07 14 13	Hot Fluid-Applied Rubberized Asphalt Waterproofing
22-07 14 14	Hot Fluid-Applied Polyurea Waterproofing
22-07 14 16	Cold Fluid-Applied Waterproofing
22-07 15 00	Sheet Metal Waterproofing
22-07 16 00	Cementitious and Reactive Waterproofing
22-07 16 13	Polymer Modified Cement Waterproofing
22-07 16 16	Crystalline Waterproofing
22-07 16 19	Metal Oxide Waterproofing
22-07 17 00	Bentonite Waterproofing
22-07 17 13	Bentonite Panel Waterproofing
22-07 17 16	Bentonite Composite Sheet Waterproofing
22-07 18 00	Traffic Coatings
22-07 18 13	Pedestrian Traffic Coatings
22-07 18 16	Vehicular Traffic Coatings
22-07 19 00	Water Repellents
22-07 19 13	Acrylic Water Repellents
22-07 19 16	Silane Water Repellents
22-07 19 19	Silicone Water Repellents
22-07 19 23	Siloxane Water Repellents
22-07 19 26	Stearate Water Repellents
22-07 20 00	Thermal Protection
22-07 21 00	Thermal Insulation
22-07 21 13	Board Insulation
22-07 21 13 13	Foam Board Insulation
22-07 21 13 16	Fibrous Board Insulation
22-07 21 13 19	Mineral Board Insulation
22-07 21 16	Blanket Insulation
22-07 21 19	Foamed-in-Place Insulation
22-07 21 23	Loose-Fill Insulation
22-07 21 26	Blown Insulation
22-07 21 29	Sprayed Insulation
22-07 21 53	Reflective Insulation
22-07 22 00	Roof and Deck Insulation
22-07 22 13	Asphaltic Perlite Concrete Deck
22-07 22 16	Roof Board Insulation
22-07 24 00	Exterior Insulation and Finish Systems
22-07 24 13	Polymer-Based Exterior Insulation and Finish System
22-07 24 16	Polymer-Modified Exterior Insulation and Finish System
22-07 24 19	Water-Drainage Exterior Insulation and Finish System
22-07 24 23	Direct-Applied Finish Systems
22-07 25 00	Weather Barriers



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-07 26 00	Vapor Retarders
22-07 26 13	Above-Grade Vapor Retarders
22-07 26 16	Below-Grade Vapor Retarders
22-07 26 23	Below-Grade Gas Retarders
22-07 27 00	Air Barriers
22-07 27 13	Modified Bituminous Sheet Air Barriers
22-07 27 16	Sheet Metal Membrane Air Barriers
22-07 27 19	Plastic Sheet Air Barriers
22-07 27 23	Board Product Air Barriers
22-07 27 26	Fluid-Applied Membrane Air Barriers
22-07 27 36	Sprayed Foam Air Barrier
22-07 30 00	Steep Slope Roofing
22-07 30 91	Canvas Roofing
22-07 31 00	Shingles and Shakes
22-07 31 13	Asphalt Shingles
22-07 31 13 13	Fiberglass-Reinforced Asphalt Shingles
22-07 31 16	Metal Shingles
22-07 31 19	Mineral-Fiber Cement Shingles
22-07 31 23	Porcelain Enamel Shingles
22-07 31 26	Slate Shingles
22-07 31 29	Wood Shingles and Shakes
22-07 31 29 13	Wood Shingles
22-07 31 29 16	Wood Shakes
22-07 31 33	Composite Rubber Shingles
22-07 31 53	Plastic Shakes
22-07 32 00	Roof Tiles
22-07 32 13	Clay Roof Tiles
22-07 32 14	Ceramic and Porcelain Roof Tiles
22-07 32 16	Concrete Roof Tiles
22-07 32 19	Metal Roof Tiles
22-07 32 23	Mineral-Fiber Cement Roof Tiles
22-07 32 26	Plastic Roof Tiles
22-07 32 29	Rubber Tiles/Panels
22-07 33 00	Natural Roof Coverings
22-07 33 13	Sod Roofing
22-07 33 16	Thatched Roofing
22-07 33 63	Vegetated Roofing
22-07 40 00	Roofing and Siding Panels
22-07 41 00	Roof Panels
22-07 41 13	Metal Roof Panels
22-07 41 23	Wood Roof Panels
22-07 41 33	Plastic Roof Panels
22-07 41 43	Composite Roof Panels
22-07 41 63	Fabricated Roof Panel Assemblies

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-07 42 00	Wall Panels
22-07 42 13	Metal Wall Panels
22-07 42 13 13	Formed Metal Wall Panels
22-07 42 13 16	Metal Plate Wall Panels
22-07 42 13 19	Insulated Metal Wall Panels
22-07 42 13 23	Metal Composite Material Wall Panels
22-07 42 23	Wood Wall Panels
22-07 42 29	Terracotta Wall Panels
22-07 42 33	Plastic Wall Panels
22-07 42 43	Composite Wall Panels
22-07 42 63	Fabricated Wall Panel Assemblies
22-07 42 93	Soffit Panels
22-07 44 00	Faced Panels
22-07 44 13	Aggregate Coated Panels
22-07 44 16	Porcelain Enameled Faced Panels
22-07 44 19	Tile-Faced Panels
22-07 44 23	Ceramic-Tile-Faced Panels
22-07 44 33	Metal Faced Panels
22-07 44 53	Glass-Fiber-Reinforced Cementitious Panels
22-07 44 56	Mineral-Fiber-Reinforced Cementitious Panels
22-07 44 63	Fabricated Faced Panel Assemblies
22-07 46 00	Siding
22-07 46 16	Aluminum Siding
22-07 46 19	Steel Siding
22-07 46 23	Wood Siding
22-07 46 26	Hardboard Siding
22-07 46 29	Plywood Siding
22-07 46 33	Plastic Siding
22-07 46 43	Composition Siding
22-07 46 46	Fiber-Cement Siding
22-07 46 63	Fabricated Panel Assemblies with Siding
22-07 50 00	Membrane Roofing
22-07 51 00	Built-Up Bituminous Roofing
22-07 51 13	Built-Up Asphalt Roofing
22-07 51 13 13	Cold-Applied Built-Up Asphalt Roofing
22-07 51 16	Built-Up Coal Tar Roofing
22-07 51 23	Glass-Fiber-Reinforced Asphalt Emulsion Roofing
22-07 52 00	Modified Bituminous Membrane Roofing
22-07 52 13	Atactic-Polypropylene-Modified Bituminous Membrane Roofing
22-07 52 13 11	Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing
22-07 52 13 13	Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing
22-07 52 13 14	Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-07 52 16	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
22-07 52 16 11	Cold Adhesive Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
22-07 52 16 12	Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
22-07 52 16 13	Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
22-07 52 16 14	Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
22-07 53 00	Elastomeric Membrane Roofing
22-07 53 13	Chlorinated-Polyethylene Roofing
22-07 53 16	Chlorosulfonate-Polyethylene Roofing
22-07 53 23	Ethylene-Propylene-Diene-Monomer Roofing
22-07 53 29	Polyisobutylene Roofing
22-07 54 00	Thermoplastic Membrane Roofing
22-07 54 13	Copolymer-Alloy Roofing
22-07 54 16	Ethylene-Interpolymer Roofing
22-07 54 19	Polyvinyl-Chloride Roofing
22-07 54 23	Thermoplastic-Polyolefin Roofing
22-07 54 26	Nitrile-Butadiene-Polymer Roofing
22-07 55 00	Protected Membrane Roofing
22-07 55 51	Built-Up Bituminous Protected Membrane Roofing
22-07 55 52	Modified Bituminous Protected Membrane Roofing
22-07 55 53	Elastomeric Protected Membrane Roofing
22-07 55 54	Thermoplastic Protected Membrane Roofing
22-07 55 56	Fluid-Applied Protected Membrane Roofing
22-07 55 56 13	Hot-Applied Rubberized Asphalt Protected Membrane Roofing
22-07 55 63	Vegetated Protected Membrane Roofing
22-07 56 00	Fluid-Applied Roofing
22-07 57 00	Coated Foamed Roofing
22-07 57 13	Sprayed Polyurethane Foam Roofing
22-07 58 00	Roll Roofing
22-07 60 00	Flashing and Sheet Metal
22-07 61 00	Sheet Metal Roofing
22-07 61 13	Standing Seam Sheet Metal Roofing
22-07 61 16	Batten Seam Sheet Metal Roofing
22-07 61 19	Flat Seam Sheet Metal Roofing
22-07 62 00	Sheet Metal Flashing and Trim
22-07 63 00	Sheet Metal Roofing Specialties
22-07 64 00	Sheet Metal Wall Cladding
22-07 64 13	Standing Seam Sheet Metal Wall Cladding
22-07 64 16	Batten Seam Sheet Metal Wall Cladding
22-07 64 19	Flat Seam Sheet Metal Wall Cladding
22-07 65 00	Flexible Flashing
22-07 65 13	Laminated Sheet Flashing
22-07 65 16	Modified Bituminous Sheet Flashing
22-07 65 19	Plastic Sheet Flashing

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-07 65 23	Rubber Sheet Flashing
22-07 65 26	Self-Adhering Sheet Flashing
22-07 70 00	Roof and Wall Specialties and Accessories
22-07 71 00	Roof Specialties
22-07 71 13	Manufactured Copings
22-07 71 16	Manufactured Counterflashing Systems
22-07 71 19	Manufactured Gravel Stops and Fasciae
22-07 71 23	Manufactured Gutters and Downspouts
22-07 71 23 13	Gutter Debris Guards
22-07 71 26	Reglets
22-07 71 29	Manufactured Roof Expansion Joints
22-07 71 33	Manufactured Scuppers
22-07 72 00	Roof Accessories
22-07 72 13	Manufactured Curbs
22-07 72 23	Relief Vents
22-07 72 26	Ridge Vents
22-07 72 33	Roof Hatches
22-07 72 36	Smoke Vents
22-07 72 43	Roof Walk Boards
22-07 72 46	Roof Walkways
22-07 72 53	Snow Guards
22-07 72 63	Waste Containment Assemblies
22-07 76 00	Roof Pavers
22-07 76 13	Roof Ballast Pavers
22-07 76 16	Roof Decking Pavers
22-07 77 00	Wall Specialties
22-07 80 00	Fire and Smoke Protection
22-07 81 00	Applied Fireproofing
22-07 81 13	Cement Aggregate Fireproofing
22-07 81 16	Cementitious Fireproofing
22-07 81 19	Foamed Magnesium-Oxychloride Fireproofing
22-07 81 23	Intumescent Fireproofing
22-07 81 26	Magnesium Cement Fireproofing
22-07 81 29	Mineral-Fiber Cementitious Fireproofing
22-07 81 33	Mineral-Fiber Fireproofing
22-07 82 00	Board Fireproofing
22-07 82 13	Calcium-Silicate Board Fireproofing
22-07 82 16	Slag-Fiber Board Fireproofing
22-07 84 00	Firestopping
22-07 84 13	Penetration Firestopping
22-07 84 13 13	Penetration Firestopping Mortars
22-07 84 13 16	Penetration Firestopping Devices
22-07 84 43	Joint Firestopping
22-07 84 53	Building Perimeter Firestopping

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-07 86 00	Smoke Seals
22-07 87 00	Smoke Containment Barriers
22-07 90 00	Joint Protection
22-07 91 00	Preformed Joint Seals
22-07 91 13	Compression Seals
22-07 91 16	Joint Gaskets
22-07 91 23	Backer Rods
22-07 91 26	Joint Fillers
22-07 92 00	Joint Sealants
22-07 92 13	Elastomeric Joint Sealants
22-07 92 16	Rigid Joint Sealants
22-07 92 19	Acoustical Joint Sealants
22-07 95 00	Expansion Control
22-07 95 13	Expansion Joint Cover Assemblies
22-07 95 53	Joint Slide Bearings
22-07 95 63	Bridge Expansion Joint Cover Assemblies
22-08 00 00	<b>Openings</b>
22-08 01 00	Operation and Maintenance of Openings
22-08 01 10	Operation and Maintenance of Doors and Frames
22-08 01 11	Operation and Maintenance of Metal Doors and Frames
22-08 01 14	Operation and Maintenance of Wood Doors
22-08 01 15	Operation and Maintenance of Plastic Doors
22-08 01 16	Operation and Maintenance of Composite Doors
22-08 01 17	Operation and Maintenance of Integrated Door Opening Assemblies
22-08 01 30	Operation and Maintenance of Specialty Doors and Frames
22-08 01 32	Operation and Maintenance of Sliding Glass Doors
22-08 01 33	Operation and Maintenance of Coiling Doors and Grilles
22-08 01 34	Operation and Maintenance of Special Function Doors
22-08 01 35	Operation and Maintenance of Folding Doors and Grilles
22-08 01 36	Operation and Maintenance of Panel Doors
22-08 01 39	Operation and Maintenance of Traffic Doors
22-08 01 40	Operation and Maintenance of Entrances, Storefronts, and Curtain Walls
22-08 01 41	Operation and Maintenance of Entrances
22-08 01 42	Operation and Maintenance of Storefronts
22-08 01 44	Operation and Maintenance of Curtain Walls
22-08 01 50	Operation and Maintenance of Windows
22-08 01 51	Operation and Maintenance of Metal Windows
22-08 01 52	Operation and Maintenance of Wood Windows
22-08 01 52 61	Wood Window Repairs
22-08 01 52 71	Wood Window Rehabilitation
22-08 01 52 81	Wood Window Replacement
22-08 01 52 91	Wood Window Restoration
22-08 01 52 93	Historic Treatment of Wood Windows
22-08 01 53	Operation and Maintenance of Plastic Windows

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-08 01 54	Operation and Maintenance of Composite Windows
22-08 01 56	Operation and Maintenance of Special Function Windows
22-08 01 60	Operation and Maintenance of Skylights and Roof Windows
22-08 01 61	Operation and Maintenance of Roof Windows
22-08 01 62	Operation and Maintenance of Unit Skylights
22-08 01 63	Operation and Maintenance of Metal-Framed Skylights
22-08 01 64	Operation and Maintenance of Plastic-Framed Skylights
22-08 01 70	Operation and Maintenance of Hardware
22-08 01 71	Operation and Maintenance of Door Hardware
22-08 01 74	Operation and Maintenance of Access Control Hardware
22-08 01 75	Operation and Maintenance of Window Hardware
22-08 01 80	Maintenance of Glazing
22-08 01 81	Maintenance of Glass Glazing
22-08 01 84	Maintenance of Plastic Glazing
22-08 01 88	Maintenance of Special Function Glazing
22-08 01 90	Operation and Maintenance of Louvers and Vents
22-08 01 91	Operation and Maintenance of Louvers
22-08 01 92	Operation and Maintenance of Louvered Equipment Enclosures
22-08 01 95	Operation and Maintenance of Vents
22-08 05 00	Common Work Results for Openings
22-08 08 00	Commissioning of Openings
22-08 10 00	Doors and Frames
22-08 11 00	Metal Doors and Frames
22-08 11 13	Hollow Metal Doors and Frames
22-08 11 13 13	Standard Hollow Metal Doors and Frames
22-08 11 13 16	Custom Hollow Metal Doors and Frames
22-08 11 16	Aluminum Doors and Frames
22-08 11 19	Stainless-Steel Doors and Frames
22-08 11 23	Bronze Doors and Frames
22-08 11 63	Metal Screen and Storm Doors and Frames
22-08 11 63 13	Steel Screen and Storm Doors and Frames
22-08 11 63 23	Aluminum Screen and Storm Doors and Frames
22-08 11 66	Metal Screen Doors and Frames
22-08 11 66 13	Steel Screen Doors and Frames
22-08 11 66 23	Aluminum Screen Doors and Frames
22-08 11 69	Metal Storm Doors and Frames
22-08 11 69 13	Steel Storm Doors and Frames
22-08 11 69 23	Aluminum Storm Doors and Frames
22-08 11 73	Sliding Metal Firedoors
22-08 11 74	Sliding Metal Grilles
22-08 12 00	Metal Frames
22-08 12 13	Hollow Metal Frames
22-08 12 13 13	Standard Hollow Metal Frames
22-08 12 13 53	Custom Hollow Metal Frames

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-08 12 16	Aluminum Frames
22-08 12 19	Stainless-Steel Frames
22-08 12 23	Bronze Frames
22-08 13 00	Metal Doors
22-08 13 13	Hollow Metal Doors
22-08 13 13 13	Standard Hollow Metal Doors
22-08 13 13 53	Custom Hollow Metal Doors
22-08 13 16	Aluminum Doors
22-08 13 19	Stainless-Steel Doors
22-08 13 23	Bronze Doors
22-08 13 73	Sliding Metal Doors
22-08 13 76	Bifolding Metal Doors
22-08 14 00	Wood Doors
22-08 14 13	Carved Wood Doors
22-08 14 16	Flush Wood Doors
22-08 14 23	Clad Wood Doors
22-08 14 23 13	Metal-Faced Wood Doors
22-08 14 23 16	Plastic-Laminate-Faced Wood Doors
22-08 14 23 19	Molded-Hardboard-Faced Wood Doors
22-08 14 29	Prefinished Wood Doors
22-08 14 33	Stile and Rail Wood Doors
22-08 14 66	Wood Screen Doors
22-08 14 69	Wood Storm Doors
22-08 14 73	Sliding Wood Doors
22-08 14 76	Bifolding Wood Doors
22-08 15 00	Plastic Doors
22-08 15 13	Laminated Plastic Doors
22-08 15 16	Solid Plastic Doors
22-08 15 66	Plastic Screen Doors
22-08 15 69	Plastic Storm Doors
22-08 15 73	Sliding Plastic Doors
22-08 15 76	Bifolding Plastic Doors
22-08 16 00	Composite Doors
22-08 16 13	Fiberglass Doors
22-08 16 73	Sliding Composite Doors
22-08 16 76	Bifolding Composite Doors
22-08 17 00	Integrated Door Opening Assemblies
22-08 17 13	Integrated Metal Door Opening Assemblies
22-08 17 23	Integrated Wood Door Opening Assemblies
22-08 17 33	Integrated Plastic Door Opening Assemblies
22-08 17 43	Integrated Composite Door Opening Assemblies
22-08 30 00	Specialty Doors and Frames
22-08 31 00	Access Doors and Panels
22-08 31 13	Access Doors and Frames

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-08 31 13 53	Security Access Doors and Frames
22-08 31 16	Access Panels and Frames
22-08 32 00	Sliding Glass Doors
22-08 32 13	Sliding Aluminum-Framed Glass Doors
22-08 32 16	Sliding Plastic-Framed Glass Doors
22-08 32 19	Sliding Wood-Framed Glass Doors
22-08 33 00	Coiling Doors and Grilles
22-08 33 13	Coiling Counter Doors
22-08 33 16	Coiling Counter Grilles
22-08 33 23	Overhead Coiling Doors
22-08 33 23 13	Overhead Rapid Coiling Doors
22-08 33 26	Overhead Coiling Grilles
22-08 33 33	Side Coiling Doors
22-08 33 36	Side Coiling Grilles
22-08 33 43	Overhead Coiling Smoke Curtains
22-08 33 44	Overhead Coiling Fire Curtains
22-08 34 00	Special Function Doors
22-08 34 13	Cold Storage Doors
22-08 34 16	Hangar Doors
22-08 34 19	Industrial Doors
22-08 34 33	Lightproof Doors
22-08 34 36	Darkroom Doors
22-08 34 46	Radio-Frequency-Interference Shielding Doors
22-08 34 49	Radiation Shielding Doors and Frames
22-08 34 49 13	Neutron Shielding Doors and Frames
22-08 34 53	Security Doors and Frames
22-08 34 56	Security Gates
22-08 34 58	File Room Doors and Frames
22-08 34 59	Vault Doors and Day Gates
22-08 34 63	Detention Doors and Frames
22-08 34 63 13	Steel Detention Doors and Frames
22-08 34 63 16	Steel Plate Detention Doors and Frames
22-08 34 63 33	Detention Door Frame Protection
22-08 34 73	Sound Control Door Assemblies
22-08 35 00	Folding Doors and Grilles
22-08 35 13	Folding Doors
22-08 35 13 13	Accordion Folding Doors
22-08 35 13 23	Accordion Folding Fire Doors
22-08 35 13 33	Panel Folding Doors
22-08 35 16	Folding Grilles
22-08 35 16 13	Accordion Folding Grilles
22-08 36 00	Panel Doors
22-08 36 13	Sectional Doors
22-08 36 16	Single-Panel Doors



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-08 36 19	Multi-Leaf Vertical Lift Doors
22-08 36 23	Telescoping Vertical Lift Doors
22-08 38 00	Traffic Doors
22-08 38 13	Flexible Strip Doors
22-08 38 16	Flexible Traffic Doors
22-08 38 19	Rigid Traffic Doors
22-08 39 00	Pressure-Resistant Doors
22-08 39 13	Airtight Doors
22-08 39 19	Watertight Doors
22-08 39 53	Blast-Resistant Doors
22-08 40 00	Entrances, Storefronts, and Curtain Walls
22-08 41 00	Entrances and Storefronts
22-08 41 13	Aluminum-Framed Entrances and Storefronts
22-08 41 13 13	Fire-Rated Aluminum-Framed Entrances and Storefronts
22-08 41 16	Bronze-Framed Entrances and Storefronts
22-08 41 19	Stainless-Steel-Framed Entrances and Storefronts
22-08 41 23	Steel-Framed Entrances and Storefronts
22-08 41 26	All-Glass Entrances and Storefronts
22-08 42 00	Entrances
22-08 42 26	All-Glass Entrances
22-08 42 29	Automatic Entrances
22-08 42 29 13	Folding Automatic Entrances
22-08 42 29 23	Sliding Automatic Entrances
22-08 42 29 33	Swinging Automatic Entrances
22-08 42 33	Revolving Door Entrances
22-08 42 33 13	Security Revolving Door Entrances
22-08 42 36	Balanced Door Entrances
22-08 42 39	Pressure-Resistant Entrances
22-08 42 43	Intensive Care Unit/Critical Care Unit Entrances
22-08 43 00	Storefronts
22-08 43 11	Timber-Framed Storefronts
22-08 43 13	Aluminum-Framed Storefronts
22-08 43 13 13	Fire-Rated Aluminum Storefronts
22-08 43 16	Bronze-Framed Storefronts
22-08 43 19	Stainless-Steel-Framed Storefronts
22-08 43 23	Steel-Framed Storefronts
22-08 43 26	All-Glass Storefronts
22-08 43 27	Channel Glass Storefronts
22-08 43 29	Sliding Storefronts
22-08 44 00	Curtain Wall and Glazed Assemblies
22-08 44 11	Glazed Timber Curtain Walls
22-08 44 12	Glazed Composite Curtain Wall
22-08 44 12 13	Glazed Fiberglass Curtain Wall
22-08 44 13	Glazed Aluminum Curtain Walls

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-08 44 16	Glazed Bronze Curtain Walls
22-08 44 18	Glazed Steel Curtain Walls
22-08 44 19	Glazed Stainless-Steel Curtain Walls
22-08 44 23	Structural Sealant Glazed Curtain Wall
22-08 44 26	Structural Glass Curtain Walls
22-08 44 26 19	Point Supported Structural Glass
22-08 44 33	Sloped Glazing Assemblies
22-08 45 00	Translucent Wall and Roof Assemblies
22-08 45 13	Structured-Polycarbonate-Panel Assemblies
22-08 45 23	Fiberglass-Sandwich-Panel Assemblies
22-08 50 00	Windows
22-08 51 00	Metal Windows
22-08 51 13	Aluminum Windows
22-08 51 16	Bronze Windows
22-08 51 19	Stainless-Steel Windows
22-08 51 23	Steel Windows
22-08 51 66	Metal Window Screens
22-08 51 69	Metal Storm Windows
22-08 52 00	Wood Windows
22-08 52 13	Metal-Clad Wood Windows
22-08 52 16	Plastic-Clad Wood Windows
22-08 52 66	Wood Window Screens
22-08 52 69	Wood Storm Windows
22-08 53 00	Plastic Windows
22-08 53 13	Vinyl Windows
22-08 53 66	Vinyl Window Screens
22-08 53 69	Vinyl Storm Windows
22-08 54 00	Composite Windows
22-08 54 13	Fiberglass Windows
22-08 54 66	Fiberglass Window Screens
22-08 54 69	Fiberglass Storm Windows
22-08 55 00	Pressure-Resistant Windows
22-08 56 00	Special Function Windows
22-08 56 19	Pass Windows
22-08 56 46	Radio-Frequency-Interference Shielding Windows
22-08 56 49	Radiation Shielding Windows
22-08 56 53	Security Windows
22-08 56 56	Security Window Screens
22-08 56 59	Service and Teller Window Units
22-08 56 63	Detention Windows
22-08 56 66	Detention Window Screens
22-08 56 73	Sound Control Windows
22-08 56 88	Interior Insulating Windows
22-08 60 00	Roof Windows and Skylights

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-08 61 00	Roof Windows
22-08 61 13	Metal Roof Windows
22-08 61 16	Wood Roof Windows
22-08 62 00	Unit Skylights
22-08 62 13	Domed Unit Skylights
22-08 62 16	Pyramidal Unit Skylights
22-08 62 19	Vaulted Unit Skylights
22-08 62 23	Tubular Skylights
22-08 63 00	Metal-Framed Skylights
22-08 63 13	Domed Metal-Framed Skylights
22-08 63 16	Pyramidal Metal-Framed Skylights
22-08 63 19	Vaulted Metal-Framed Skylights
22-08 63 23	Ridge Metal-Framed Skylights
22-08 63 53	Motorized Metal-Framed Skylights
22-08 64 00	Plastic-Framed Skylights
22-08 67 00	Skylight Protection and Screens
22-08 70 00	Hardware
22-08 71 00	Door Hardware
22-08 71 13	Automatic Door Operators
22-08 71 53	Security Door Hardware
22-08 71 63	Detention Door Hardware
22-08 74 00	Access Control Hardware
22-08 74 13	Card Key Access Control Hardware
22-08 74 16	Keypad Access Control Hardware
22-08 74 19	Biometric Identity Access Control Hardware
22-08 75 00	Window Hardware
22-08 75 13	Automatic Window Equipment
22-08 75 16	Window Operators
22-08 78 00	Special Function Hardware
22-08 79 00	Hardware Accessories
22-08 79 13	Key Storage Equipment
22-08 80 00	Glazing
22-08 81 00	Glass Glazing
22-08 81 13	Decorative Glass Glazing
22-08 83 00	Mirrors
22-08 83 13	Mirrored Glass Glazing
22-08 83 16	Mirrored Plastic Glazing
22-08 84 00	Plastic Glazing
22-08 84 13	Decorative Plastic Glazing
22-08 85 00	Glazing Accessories
22-08 87 00	Glazing Surface Films
22-08 87 13	Solar Control Films
22-08 87 23	Safety and Security Films
22-08 87 23 13	Safety Films

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-08 87 23 16	Security Films
22-08 87 33	Decorative Films
22-08 88 00	Special Function Glazing
22-08 88 13	Fire-Resistant Glazing
22-08 88 19	Hurricane-Resistant Glazing
22-08 88 23	Cable Suspended Glazing
22-08 88 33	Transparent Mirrored Glazing
22-08 88 36	Switchable Glass
22-08 88 36 16	Electronically Controlled Switchable Glass
22-08 88 39	Pressure-Resistant Glazing
22-08 88 49	Radiation-Resistant Glazing
22-08 88 53	Security Glazing
22-08 88 56	Ballistics-Resistant Glazing
22-08 90 00	Louvers and Vents
22-08 91 00	Louvers
22-08 91 13	Motorized Wall Louvers
22-08 91 16	Operable Wall Louvers
22-08 91 19	Fixed Louvers
22-08 91 26	Door Louvers
22-08 92 00	Louvered Equipment Enclosures
22-08 95 00	Vents
22-08 95 13	Soffit Vents
22-08 95 16	Wall Vents
22-08 95 33	Explosion Vents
22-08 95 43	Flood Vents
22-09 00 00	<b>Finishes</b>
22-09 01 00	Maintenance of Finishes
22-09 01 20	Maintenance of Plaster and Gypsum Board
22-09 01 20 91	Plaster Restoration
22-09 01 30	Maintenance of Tiling
22-09 01 30 91	Tile Restoration
22-09 01 50	Maintenance of Ceilings
22-09 01 50 91	Ceiling Restoration
22-09 01 60	Maintenance of Flooring
22-09 01 60 91	Flooring Restoration
22-09 01 70	Maintenance of Wall Finishes
22-09 01 70 91	Wall Finish Restoration
22-09 01 80	Maintenance of Acoustic Treatment
22-09 01 90	Maintenance of Painting and Coating
22-09 01 90 51	Paint Cleaning
22-09 01 90 52	Maintenance Repainting
22-09 01 90 53	Maintenance Coatings
22-09 01 90 61	Repainting
22-09 01 90 91	Paint Restoration

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-09 01 90 92	Coating Restoration
22-09 01 90 93	Paint Preservation
22-09 05 00	Common Work Results for Finishes
22-09 05 13	Common Finishes
22-09 05 61	Common Work Results for Flooring Preparation
22-09 08 00	Commissioning of Finishes
22-09 20 00	Plaster and Gypsum Board
22-09 21 00	Plaster and Gypsum Board Assemblies
22-09 21 13	Plaster Assemblies
22-09 21 16	Gypsum Board Assemblies
22-09 21 16 23	Gypsum Board Shaft Wall Assemblies
22-09 21 16 33	Gypsum Board Area Separation Wall Assemblies
22-09 22 00	Supports for Plaster and Gypsum Board
22-09 22 13	Metal Furring
22-09 22 13 13	Metal Channel Furring
22-09 22 13 23	Resilient Channel Furring
22-09 22 16	Non-Structural Metal Framing
22-09 22 16 13	Non-Structural Metal Stud Framing
22-09 22 26	Suspension Systems
22-09 22 26 23	Metal Suspension Systems
22-09 22 26 33	Plastic Suspension Systems
22-09 22 36	Lath
22-09 22 36 13	Gypsum Lath
22-09 22 36 23	Metal Lath
22-09 22 39	Veneer Plaster Base
22-09 23 00	Gypsum Plastering
22-09 23 13	Acoustical Gypsum Plastering
22-09 23 82	Fireproof Gypsum Plastering
22-09 24 00	Cement Plastering
22-09 24 13	Adobe Finish
22-09 24 23	Cement Stucco
22-09 24 33	Cement Parging
22-09 25 00	Other Plastering
22-09 25 13	Acrylic Plastering
22-09 25 13 13	Acrylic Plaster Finish
22-09 25 23	Lime Based Plastering
22-09 25 26	Natural Clay Plastering
22-09 26 00	Veneer Plastering
22-09 26 13	Gypsum Veneer Plastering
22-09 27 00	Plaster Fabrications
22-09 27 13	Glass-Fiber-Reinforced Plaster Fabrications
22-09 27 23	Simulated Plaster Fabrications
22-09 28 00	Backing Boards and Underlayments
22-09 28 13	Cementitious Backing Boards

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-09 28 16	Glass-Mat Faced Gypsum Backing Boards
22-09 28 19	Fibered Gypsum Backing Boards
22-09 29 00	Gypsum Board
22-09 29 82	Gypsum Board Fireproofing
22-09 30 00	Tiling
22-09 30 13	Ceramic Tiling
22-09 30 16	Quarry Tiling
22-09 30 19	Paver Tiling
22-09 30 23	Glass Mosaic Tiling
22-09 30 26	Plastic Tiling
22-09 30 29	Metal Tiling
22-09 30 33	Stone Tiling
22-09 30 36	Concrete Tiling
22-09 30 39	Brick Tiling
22-09 31 00	Thin-Set Tiling
22-09 31 13	Thin-Set Ceramic Tiling
22-09 31 16	Thin-Set Quarry Tiling
22-09 31 19	Thin-Set Paver Tiling
22-09 31 23	Thin-Set Glass Mosaic Tiling
22-09 31 26	Thin-Set Plastic Tiling
22-09 31 29	Thin-Set Metal Tiling
22-09 31 33	Thin-Set Stone Tiling
22-09 31 36	Thin-Set Concrete Tiling
22-09 32 00	Mortar-Bed Tiling
22-09 32 13	Mortar-Bed Ceramic Tiling
22-09 32 16	Mortar-Bed Quarry Tiling
22-09 32 19	Mortar-Bed Paver Tiling
22-09 32 23	Mortar-Bed Glass Mosaic Tiling
22-09 32 26	Mortar-Bed Plastic Tiling
22-09 32 29	Mortar-Bed Metal Tiling
22-09 32 33	Mortar-Bed Stone Tiling
22-09 32 36	Mortar-Bed Concrete Tiling
22-09 33 00	Conductive Tiling
22-09 33 13	Conductive Ceramic Tiling
22-09 33 16	Conductive Quarry Tiling
22-09 33 19	Conductive Paver Tiling
22-09 33 23	Conductive Glass Mosaic Tiling
22-09 33 26	Conductive Plastic Tiling
22-09 33 29	Conductive Metal Tiling
22-09 33 33	Conductive Stone Tiling
22-09 33 36	Conductive Concrete Tiling
22-09 34 00	Waterproofing-Membrane Tiling
22-09 34 13	Waterproofing-Membrane Ceramic Tiling
22-09 34 16	Waterproofing-Membrane Quarry Tiling

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-09 34 19	Waterproofing-Membrane Paver Tiling
22-09 34 23	Waterproofing-Membrane Glass Mosaic Tiling
22-09 34 26	Waterproofing-Membrane Plastic Tiling
22-09 34 29	Waterproofing-Membrane Metal Tiling
22-09 34 33	Waterproofing-Membrane Stone Tiling
22-09 34 36	Waterproofing-Membrane Concrete Tiling
22-09 35 00	Chemical-Resistant Tiling
22-09 35 13	Chemical-Resistant Ceramic Tiling
22-09 35 16	Chemical-Resistant Quarry Tiling
22-09 35 19	Chemical-Resistant Paver Tiling
22-09 35 23	Chemical-Resistant Glass Mosaic Tiling
22-09 35 26	Chemical-Resistant Plastic Tiling
22-09 35 29	Chemical-Resistant Metal Tiling
22-09 35 33	Chemical-Resistant Stone Tiling
22-09 35 36	Chemical-Resistant Concrete Tiling
22-09 50 00	Ceilings
22-09 51 00	Acoustical Ceilings
22-09 51 13	Acoustical Panel Ceilings
22-09 51 14	Acoustical Fabric-Faced Panel Ceilings
22-09 51 23	Acoustical Tile Ceilings
22-09 51 26	Acoustical Wood Ceilings
22-09 51 33	Acoustical Metal Pan Ceilings
22-09 51 33 13	Acoustical Snap-in Metal Pan Ceilings
22-09 51 53	Direct-Applied Acoustical Ceilings
22-09 53 00	Acoustical Ceiling Suspension Assemblies
22-09 53 13	Curved Profile Ceiling Suspension Assemblies
22-09 53 23	Metal Acoustical Ceiling Suspension Assemblies
22-09 53 33	Plastic Acoustical Ceiling Suspension Assemblies
22-09 54 00	Specialty Ceilings
22-09 54 13	Open Metal Mesh Ceilings
22-09 54 16	Luminous Ceilings
22-09 54 19	Mirror Panel Ceilings
22-09 54 23	Linear Metal Ceilings
22-09 54 26	Suspended Wood Ceilings
22-09 54 33	Decorative Panel Ceilings
22-09 54 36	Suspended Decorative Grids
22-09 54 43	Stretched-Fabric Ceiling Systems
22-09 54 46	Fabric-Wrapped Ceiling Panels
22-09 54 53	Fiberglass Reinforced Panel Ceilings
22-09 56 00	Textured Ceilings
22-09 56 13	Gypsum-Panel Textured Ceilings
22-09 56 16	Metal-Panel Textured Ceilings
22-09 57 00	Special Function Ceilings
22-09 57 53	Security Ceiling Assemblies

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-09 58 00	Integrated Ceiling Assemblies
22-09 60 00	Flooring
22-09 60 13	Acoustical Underlayment
22-09 61 00	Flooring Treatment
22-09 61 13	Slip-Resistant Flooring Treatment
22-09 61 19	Concrete Staining
22-09 61 36	Static-Resistant Flooring Treatment
22-09 62 00	Specialty Flooring
22-09 62 13	Asphaltic Plank Flooring
22-09 62 19	Laminate Flooring
22-09 62 23	Bamboo Flooring
22-09 62 26	Leather Flooring
22-09 62 29	Cork Flooring
22-09 62 35	Acid-Resistant Flooring
22-09 62 48	Acoustic Flooring
22-09 62 53	Synthetic Turf Flooring
22-09 62 63	Metal Flooring
22-09 62 63 13	Aluminum Flooring
22-09 62 63 16	Stainless Steel Flooring
22-09 62 83	Structural Glass Flooring
22-09 63 00	Masonry Flooring
22-09 63 13	Brick Flooring
22-09 63 13 35	Chemical-Resistant Brick Flooring
22-09 63 40	Stone Flooring
22-09 63 43	Composition Stone Flooring
22-09 64 00	Wood Flooring
22-09 64 16	Wood Block Flooring
22-09 64 19	Wood Composition Flooring
22-09 64 23	Wood Parquet Flooring
22-09 64 23 13	Acrylic-Impregnated Wood Parquet Flooring
22-09 64 29	Wood Strip and Plank Flooring
22-09 64 33	Laminated Wood Flooring
22-09 64 53	Resilient Wood Flooring Assemblies
22-09 64 66	Wood Athletic Flooring
22-09 65 00	Resilient Flooring
22-09 65 13	Resilient Base and Accessories
22-09 65 13 13	Resilient Base
22-09 65 13 23	Resilient Stair Treads and Risers
22-09 65 13 26	Resilient Stair Nosings
22-09 65 13 33	Resilient Accessories
22-09 65 13 36	Resilient Carpet Transitions
22-09 65 16	Resilient Sheet Flooring
22-09 65 16 23	Vinyl Sheet Flooring
22-09 65 16 33	Rubber Sheet Flooring



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-09 65 16 43	PVC-Free Sheet Flooring
22-09 65 19	Resilient Tile Flooring
22-09 65 33	Conductive Resilient Flooring
22-09 65 36	Static-Control Resilient Flooring
22-09 65 36 13	Static-Dissipative Resilient Flooring
22-09 65 36 16	Static-Resistant Resilient Flooring
22-09 65 43	Linoleum Flooring
22-09 65 66	Resilient Athletic Flooring
22-09 66 00	Terrazzo Flooring
22-09 66 13	Portland Cement Terrazzo Flooring
22-09 66 13 13	Sand Cushion Terrazzo Flooring
22-09 66 13 16	Monolithic Terrazzo Flooring
22-09 66 13 19	Bonded Terrazzo Flooring
22-09 66 13 23	Palladina Terrazzo Flooring
22-09 66 13 26	Rustic Terrazzo Flooring
22-09 66 13 33	Structural Terrazzo Flooring
22-09 66 16	Terrazzo Floor Tile
22-09 66 16 13	Portland Cement Terrazzo Floor Tile
22-09 66 16 16	Plastic-Matrix Terrazzo Floor Tile
22-09 66 23	Resinous Matrix Terrazzo Flooring
22-09 66 23 13	Polyacrylate Modified Cementitious Terrazzo Flooring
22-09 66 23 16	Epoxy-Resin Terrazzo Flooring
22-09 66 23 19	Polyester-Resin Terrazzo Flooring
22-09 66 33	Conductive Terrazzo Flooring
22-09 66 33 13	Conductive Epoxy-Resin Terrazzo
22-09 66 33 16	Conductive Polyester-Resin Terrazzo Flooring
22-09 66 33 19	Conductive Plastic-Matrix Terrazzo Flooring
22-09 67 00	Fluid-Applied Flooring
22-09 67 13	Elastomeric Liquid Flooring
22-09 67 13 33	Conductive Elastomeric Liquid Flooring
22-09 67 16	Epoxy-Marble Chip Flooring
22-09 67 19	Magnesium-Oxychloride Flooring
22-09 67 23	Resinous Flooring
22-09 67 26	Quartz Flooring
22-09 67 66	Fluid-Applied Athletic Flooring
22-09 68 00	Carpeting
22-09 68 13	Tile Carpeting
22-09 68 16	Sheet Carpeting
22-09 69 00	Access Flooring
22-09 69 13	Rigid-Grid Access Flooring
22-09 69 16	Snap-on Stringer Access Flooring
22-09 69 19	Stringerless Access Flooring
22-09 69 33	Low-Profile Fixed Height Access Flooring
22-09 69 53	Access Flooring Accessories

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-09 69 56	Access Flooring Stairs and Stringers
22-09 70 00	Wall Finishes
22-09 72 00	Wall Coverings
22-09 72 13	Cork Wall Coverings
22-09 72 16	Vinyl-Coated Fabric Wall Coverings
22-09 72 16 13	Flexible Vinyl Wall Coverings
22-09 72 16 16	Rigid-Sheet Vinyl Wall Coverings
22-09 72 19	Textile Wall Coverings
22-09 72 23	Wallpapering
22-09 73 00	Wall Carpeting
22-09 74 00	Flexible Wood Sheets
22-09 74 13	Wood Wall Coverings
22-09 74 16	Flexible Wood Veneers
22-09 75 00	Stone Facing
22-09 75 13	Stone Wall Facing
22-09 75 19	Stone Trim
22-09 76 00	Plastic Blocks
22-09 77 00	Special Wall Surfacing
22-09 77 13	Stretched-Fabric Wall Systems
22-09 77 23	Fabric-Wrapped Panels
22-09 77 53	Vegetated Wall Systems
22-09 78 00	Interior Wall Paneling
22-09 78 13	Metal Interior Wall Paneling
22-09 80 00	Acoustic Treatment
22-09 81 00	Acoustic Insulation
22-09 81 13	Acoustic Board Insulation
22-09 81 16	Acoustic Blanket Insulation
22-09 81 29	Sprayed Acoustic Insulation
22-09 83 00	Acoustic Finishes
22-09 83 13	Acoustic Wall Coating
22-09 83 16	Acoustic Ceiling Coating
22-09 83 22	Acoustic Drapery
22-09 84 00	Acoustic Room Components
22-09 84 13	Fixed Sound-Absorptive Panels
22-09 84 14	Acoustic Stretched-Fabric Wall Systems
22-09 84 16	Fixed Sound-Reflective Panels
22-09 84 23	Moveable Sound-Absorptive Panels
22-09 84 26	Moveable Sound-Reflective Panels
22-09 84 33	Sound-Absorbing Wall Units
22-09 84 36	Sound-Absorbing Ceiling Units
22-09 90 00	Painting and Coating
22-09 91 00	Painting
22-09 91 13	Exterior Painting
22-09 91 23	Interior Painting

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-09 93 00	Staining and Transparent Finishing
22-09 93 13	Exterior Staining and Finishing
22-09 93 13 13	Exterior Staining
22-09 93 13 53	Exterior Finishing
22-09 93 23	Interior Staining and Finishing
22-09 93 23 13	Interior Staining
22-09 93 23 53	Interior Finishing
22-09 94 00	Decorative Finishing
22-09 94 13	Textured Finishing
22-09 94 16	Faux Finishing
22-09 94 19	Multicolor Interior Finishing
22-09 96 00	High-Performance Coatings
22-09 96 13	Abrasion-Resistant Coatings
22-09 96 23	Graffiti-Resistant Coatings
22-09 96 26	Marine Coatings
22-09 96 33	High-Temperature-Resistant Coatings
22-09 96 35	Chemical-Resistant Coatings
22-09 96 43	Fire-Retardant Coatings
22-09 96 46	Intumescent Painting
22-09 96 53	Elastomeric Coatings
22-09 96 56	Epoxy Coatings
22-09 96 59	High-Build Glazed Coatings
22-09 96 63	Textured Plastic Coatings
22-09 96 66	Aggregate Wall Coatings
22-09 97 00	Special Coatings
22-09 97 13	Steel Coatings
22-09 97 13 13	Interior Steel Coatings
22-09 97 13 23	Exterior Steel Coatings
22-09 97 23	Concrete and Masonry Coatings
22-09 97 26	Cementitious Coatings
22-09 97 26 13	Interior Cementitious Coatings
22-09 97 26 23	Exterior Cementitious Coatings
22-10 00 00	<b>Specialties</b>
22-10 01 00	Operation and Maintenance of Specialties
22-10 01 10	Operation and Maintenance of Information Specialties
22-10 01 20	Operation and Maintenance of Interior Specialties
22-10 01 30	Operation and Maintenance of Fireplaces and Stoves
22-10 01 40	Operation and Maintenance of Safety Specialties
22-10 01 50	Operation and Maintenance of Storage Specialties
22-10 01 70	Operation and Maintenance of Exterior Specialties
22-10 01 80	Operation and Maintenance of Other Specialties
22-10 05 00	Common Work Results for Specialties
22-10 08 00	Commissioning of Specialties
22-10 10 00	Information Specialties

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-10 11 00	Visual Display Units
22-10 11 13	Chalkboards
22-10 11 13 13	Fixed Chalkboards
22-10 11 13 23	Modular-Support-Mounted Chalkboards
22-10 11 13 33	Rail-Mounted Chalkboards
22-10 11 13 43	Portable Chalkboards
22-10 11 16	Markerboards
22-10 11 16 13	Fixed Markerboards
22-10 11 16 23	Modular-Support-Mounted Markerboards
22-10 11 16 33	Rail-Mounted Markerboards
22-10 11 16 43	Portable Markerboards
22-10 11 16 53	Electronic Markerboards
22-10 11 23	Tackboards
22-10 11 23 13	Fixed Tackboards
22-10 11 23 23	Modular-Support-Mounted Tackboards
22-10 11 23 33	Rail-Mounted Tackboards
22-10 11 23 43	Portable Tackboards
22-10 11 33	Sliding Visual Display Units
22-10 11 33 13	Horizontal-Sliding Visual Display Units
22-10 11 33 23	Vertical-Sliding Visual Display Units
22-10 11 36	Visual Display Conference Units
22-10 11 39	Visual Display Rails
22-10 11 43	Visual Display Wall Panels
22-10 11 46	Visual Display Fabrics
22-10 12 00	Display Cases
22-10 13 00	Directories
22-10 13 13	Electronic Directories
22-10 13 23	Illuminated Directories
22-10 14 00	Signage
22-10 14 16	Plaques
22-10 14 19	Dimensional Letter Signage
22-10 14 23	Panel Signage
22-10 14 23 13	Engraved Panel Signage
22-10 14 26	Post and Panel/Pylon Signage
22-10 14 33	Illuminated Panel Signage
22-10 14 43	Photoluminescent Signage
22-10 14 53	Traffic Signage
22-10 14 53 13	Transportation Reference Markers
22-10 14 63	Electronic Message Signage
22-10 14 64	Audible Signage
22-10 14 66	Floating Signage
22-10 14 67	Tactile Signage
22-10 17 00	Telephone Specialties
22-10 17 13	Telephone Directory Units

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-10 17 16	Telephone Enclosures
22-10 17 16 13	Telephone Stalls
22-10 17 16 16	Telephone Alcoves
22-10 17 19	Telephone Shelving
22-10 18 00	Informational Kiosks
22-10 20 00	Interior Specialties
22-10 21 00	Compartments and Cubicles
22-10 21 13	Toilet Compartments
22-10 21 13 13	Metal Toilet Compartments
22-10 21 13 16	Plastic-Laminate-Clad Toilet Compartments
22-10 21 13 19	Plastic Toilet Compartments
22-10 21 13 23	Particleboard Toilet Compartments
22-10 21 13 40	Stone Toilet Compartments
22-10 21 16	Shower and Dressing Compartments
22-10 21 16 13	Metal Shower and Dressing Compartments
22-10 21 16 16	Plastic-Laminate-Clad Shower and Dressing Compartments
22-10 21 16 19	Plastic Shower and Dressing Compartments
22-10 21 16 23	Particleboard Shower and Dressing Compartments
22-10 21 16 40	Stone Shower and Dressing Compartments
22-10 21 23	Cubicle Curtains and Track
22-10 21 23 13	Cubicle Curtains
22-10 21 23 16	Cubicle Track and Hardware
22-10 22 00	Partitions
22-10 22 13	Wire Mesh Partitions
22-10 22 14	Expanded Metal Partitions
22-10 22 16	Folding Gates
22-10 22 19	Demountable Partitions
22-10 22 19 13	Demountable Metal Partitions
22-10 22 19 23	Demountable Wood Partitions
22-10 22 19 33	Demountable Plastic Partitions
22-10 22 19 43	Demountable Composite Partitions
22-10 22 19 53	Demountable Gypsum Partitions
22-10 22 23	Portable Partitions, Screens, and Panels
22-10 22 23 13	Wall Screens
22-10 22 23 23	Movable Panel Systems
22-10 22 33	Accordion Folding Partitions
22-10 22 36	Coiling Partitions
22-10 22 39	Folding Panel Partitions
22-10 22 43	Sliding Partitions
22-10 25 00	Service Walls
22-10 25 13	Patient Bed Service Walls
22-10 25 16	Modular Service Walls
22-10 26 00	Wall and Door Protection
22-10 26 13	Corner Guards

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-10 26 16	Bumper Guards
22-10 26 16 13	Bumper Rails
22-10 26 16 16	Protective Corridor Handrails
22-10 26 23	Protective Wall Covering
22-10 26 23 13	Impact Resistant Wall Protection
22-10 26 23 16	Fiberglass Reinforced Protective Wall Covering
22-10 26 33	Door and Frame Protection
22-10 26 41	Bullet Resistant Panels
22-10 28 00	Toilet, Bath, and Laundry Accessories
22-10 28 13	Toilet Accessories
22-10 28 13 13	Commercial Toilet Accessories
22-10 28 13 19	Healthcare Toilet Accessories
22-10 28 13 53	Security Toilet Accessories
22-10 28 13 63	Detention Toilet Accessories
22-10 28 16	Bath Accessories
22-10 28 16 13	Residential Bath Accessories
22-10 28 19	Tub and Shower Doors
22-10 28 19 16	Shower Doors
22-10 28 19 19	Tub Doors
22-10 28 23	Laundry Accessories
22-10 28 23 13	Built-In Ironing Boards
22-10 28 23 16	Clothes Drying Racks
22-10 30 00	Fireplaces and Stoves
22-10 31 00	Manufactured Fireplaces
22-10 31 13	Manufactured Fireplace Chimneys
22-10 31 16	Manufactured Fireplace Forms
22-10 32 00	Fireplace Specialties
22-10 32 13	Fireplace Dampers
22-10 32 16	Fireplace Inserts
22-10 32 19	Fireplace Screens
22-10 32 23	Fireplace Doors
22-10 32 26	Fireplace Water Heaters
22-10 35 00	Stoves
22-10 35 13	Heating Stoves
22-10 35 23	Cooking Stoves
22-10 40 00	Safety Specialties
22-10 41 00	Emergency Access and Information Cabinets
22-10 41 13	Fire Department Plan Cabinets
22-10 41 16	Emergency Key Cabinets
22-10 43 00	Emergency Aid Specialties
22-10 43 13	Defibrillator Cabinets
22-10 43 16	First Aid Cabinets
22-10 43 21	Accessibility Evacuation Chairs
22-10 43 31	Respiration Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-10 43 33	Breathing Air Replenishment Systems
22-10 44 00	Fire Protection Specialties
22-10 44 13	Fire Protection Cabinets
22-10 44 13 53	Security Fire Extinguisher Cabinets
22-10 44 16	Fire Extinguishers
22-10 44 16 13	Portable Fire Extinguishers
22-10 44 16 16	Wheeled Fire Extinguisher Units
22-10 44 19	Fire Blankets
22-10 44 43	Fire Extinguisher Accessories
22-10 50 00	Storage Specialties
22-10 51 00	Lockers
22-10 51 13	Metal Lockers
22-10 51 16	Wood Lockers
22-10 51 23	Plastic-Laminate-Clad Lockers
22-10 51 26	Plastic Lockers
22-10 51 26 13	Recycled Plastic Lockers
22-10 51 29	Phenolic Lockers
22-10 51 33	Glass Lockers
22-10 51 43	Wire Mesh Storage Lockers
22-10 51 53	Locker Room Benches
22-10 55 00	Postal Specialties
22-10 55 13	Central Mail Delivery Boxes
22-10 55 13 13	Cluster Box Units
22-10 55 16	Mail Collection Boxes
22-10 55 19	Receiving Boxes
22-10 55 23	Mail Boxes
22-10 55 23 13	Apartment Mail Boxes
22-10 55 23 16	Mail Box Directories
22-10 55 23 19	Mail Box Key Keepers
22-10 55 26	Parcel Lockers
22-10 55 33	Data Distribution Boxes
22-10 55 36	Package Depositories
22-10 55 91	Mail Chutes
22-10 56 00	Storage Assemblies
22-10 56 13	Metal Storage Shelving
22-10 56 13 13	End-Panel-Support Metal Storage Shelving
22-10 56 13 16	Post-and-Shelf Metal Storage Shelving
22-10 56 13 19	Post-and-Beam Metal Storage Shelving
22-10 56 13 23	Cantilever Metal Storage Shelving
22-10 56 16	Fabricated Wood Storage Shelving
22-10 56 17	Wall-Mounted Standards and Shelving
22-10 56 19	Plastic Storage Shelving
22-10 56 19 13	Recycled Plastic Storage Shelving
22-10 56 23	Wire Storage Shelving

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-10 56 26	Mobile Storage Shelving
22-10 56 26 13	Manual Mobile Storage Shelving
22-10 56 26 23	Motorized Mobile Storage Shelving
22-10 56 29	Storage Racks
22-10 56 29 13	Flow Storage Racks
22-10 56 29 16	Pallet Storage Racks
22-10 56 29 19	Movable-Shelf Storage Racks
22-10 56 29 23	Stacker Storage Racks
22-10 56 29 26	Cantilever Storage Racks
22-10 56 29 29	Drive-In Storage Racks
22-10 56 29 33	Drive-Through Storage Racks
22-10 56 29 43	Wine Storage Racks
22-10 56 33	Mercantile Storage Assemblies
22-10 57 00	Wardrobe and Closet Specialties
22-10 57 13	Hat and Coat Racks
22-10 57 16	Boot Racks
22-10 57 23	Closet and Utility Shelving
22-10 57 23 13	Wire Closet and Utility Shelving
22-10 57 23 16	Plastic-Laminate-Clad Closet and Utility Shelving
22-10 57 23 19	Wood Closet and Utility Shelving
22-10 57 33	Closet and Utility Shelving Hardware
22-10 70 00	Exterior Specialties
22-10 71 00	Exterior Protection
22-10 71 13	Exterior Sun Control Devices
22-10 71 13 13	Exterior Shutters
22-10 71 13 19	Rolling Exterior Shutters
22-10 71 13 23	Coiling Exterior Shutters
22-10 71 13 26	Decorative Exterior Shutters
22-10 71 13 29	Side-Hinged Exterior Shutters
22-10 71 13 43	Fixed Sun Screens
22-10 71 13 53	Exterior Daylighting Devices
22-10 71 16	Storm Panels
22-10 71 16 13	Demountable Storm Panels
22-10 71 16 16	Movable Storm Panels
22-10 71 19	Flood Barriers
22-10 71 19 16	Removable Flood Barriers
22-10 73 00	Protective Covers
22-10 73 13	Awnings
22-10 73 16	Canopies
22-10 73 23	Car Shelters
22-10 73 26	Walkway Coverings
22-10 73 33	Marquees
22-10 73 43	Transportation Stop Shelters
22-10 74 00	Manufactured Exterior Specialties



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-10 74 13	Exterior Clocks
22-10 74 23	Cupolas
22-10 74 26	Spires
22-10 74 29	Steeples
22-10 74 33	Weather vanes
22-10 74 43	Below-Grade Egress Assemblies
22-10 74 46	Window Wells
22-10 75 00	Flagpoles
22-10 75 13	Automatic Flagpoles
22-10 75 16	Ground-Set Flagpoles
22-10 75 19	Nautical Flagpoles
22-10 75 23	Wall-Mounted Flagpoles
22-10 80 00	Other Specialties
22-10 81 00	Pest Control Devices
22-10 81 13	Bird Control Devices
22-10 81 16	Insect Control Devices
22-10 81 19	Rodent Control Devices
22-10 82 00	Grilles and Screens
22-10 82 13	Exterior Grilles and Screens
22-10 82 19	Exterior Sound Screens
22-10 82 23	Interior Grilles and Screens
22-10 83 00	Flags and Banners
22-10 83 13	Flags
22-10 83 16	Banners
22-10 84 00	Gas Lighting
22-10 84 13	Exterior Gas Lighting
22-10 84 16	Interior Gas Lighting
22-10 86 00	Security Mirrors and Domes
22-10 88 00	Scales
22-11 00 00	<b>Equipment</b>
22-11 01 00	Operation and Maintenance of Equipment
22-11 01 10	Operation and Maintenance of Vehicle and Pedestrian Equipment
22-11 01 15	Operation and Maintenance of Security, Bank, and Detention Equipment
22-11 01 20	Operation and Maintenance of Commercial Equipment
22-11 01 30	Operation and Maintenance of Residential Equipment
22-11 01 40	Operation and Maintenance of Foodservice Equipment
22-11 01 50	Operation and Maintenance of Educational and Scientific Equipment
22-11 01 56	Operation and Maintenance of Observatory Equipment
22-11 01 60	Operation and Maintenance of Entertainment Equipment
22-11 01 65	Operation and Maintenance of Athletic and Recreational Equipment
22-11 01 70	Operation and Maintenance of Healthcare Equipment
22-11 01 80	Operation and Maintenance of Collection and Disposal Equipment
22-11 01 90	Operation and Maintenance of Other Equipment
22-11 05 00	Common Work Results for Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-11 05 13	Common Motor Requirements for Equipment
22-11 08 00	Commissioning of Equipment
22-11 10 00	Vehicle and Pedestrian Equipment
22-11 11 00	Vehicle Service Equipment
22-11 11 13	Compressed-Air Vehicle Service Equipment
22-11 11 19	Vehicle Lubrication Equipment
22-11 11 23	Tire-Changing Equipment
22-11 11 26	Vehicle-Washing Equipment
22-11 12 00	Parking Control Equipment
22-11 12 13	Parking Key and Card Control Units
22-11 12 16	Parking Ticket Dispensers
22-11 12 23	Parking Meters
22-11 12 26	Parking Fee Collection Equipment
22-11 12 26 13	Parking Fee Coin Collection Equipment
22-11 12 33	Parking Gates
22-11 12 33 13	Lift Arm Parking Gates
22-11 12 33 16	Sliding Parking Gates
22-11 12 33 19	Swinging Parking Gates
22-11 13 00	Loading Dock Equipment
22-11 13 13	Loading Dock Bumpers
22-11 13 16	Loading Dock Seals and Shelters
22-11 13 16 13	Loading Dock Seals
22-11 13 16 23	Loading Dock Shelters
22-11 13 16 33	Loading Dock Rail Shelters
22-11 13 19	Stationary Loading Dock Equipment
22-11 13 19 13	Loading Dock Levelers
22-11 13 19 23	Stationary Loading Dock Lifts
22-11 13 19 26	Loading Dock Truck Lifts
22-11 13 19 33	Loading Dock Truck Restraints
22-11 13 23	Portable Dock Equipment
22-11 13 23 13	Portable Dock Lifts
22-11 13 23 16	Portable Dock Ramps
22-11 13 23 19	Portable Dock Bridges
22-11 13 23 23	Portable Dock Platforms
22-11 13 26	Loading Dock Lights
22-11 14 00	Pedestrian Control Equipment
22-11 14 13	Pedestrian Gates
22-11 14 13 13	Portable Posts and Railings
22-11 14 13 16	Rotary Gates
22-11 14 13 19	Turnstiles
22-11 14 16	Money-Changing Equipment
22-11 14 16 19	Money-Changing Machines
22-11 14 26	Pedestrian Fare Collection Equipment
22-11 14 26 13	Pedestrian Coin Fare Collection Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-11 14 43	Pedestrian Detection Equipment
22-11 14 43 13	Electronic Detection and Counting Systems
22-11 14 53	Pedestrian Security Equipment
22-11 15 00	Security, Detention and Banking Equipment
22-11 16 00	Vault Equipment
22-11 16 13	Safe Deposit Boxes
22-11 16 16	Safes
22-11 16 23	Vault Ventilators
22-11 16 33	Time Capsules
22-11 17 00	Teller and Service Equipment
22-11 17 13	Teller Equipment Systems
22-11 17 16	Automatic Banking Systems
22-11 17 23	Money Handling Equipment
22-11 17 26	Money Depositories
22-11 17 33	Money Cart Pass-Through
22-11 17 36	Package Transfer Units
22-11 18 00	Security Equipment
22-11 18 13	Deal Drawers
22-11 18 16	Gun Ports
22-11 18 23	Valuable Material Storage
22-11 19 00	Detention Equipment
22-11 19 13	Detention Pass-Through Doors
22-11 19 16	Detention Gun Lockers
22-11 20 00	Commercial Equipment
22-11 21 00	Mercantile and Service Equipment
22-11 21 13	Cash Registers and Checking Equipment
22-11 21 23	Vending Equipment
22-11 21 23 13	Vending Machines
22-11 21 33	Checkroom Equipment
22-11 21 43	Weighing and Wrapping Equipment
22-11 21 53	Barber and Beauty Shop Equipment
22-11 22 00	Refrigerated Display Equipment
22-11 23 00	Commercial Laundry and Dry Cleaning Equipment
22-11 23 13	Dry Cleaning Equipment
22-11 23 16	Drying and Conditioning Equipment
22-11 23 19	Finishing Equipment
22-11 23 23	Commercial Ironing Equipment
22-11 23 26	Commercial Washers and Extractors
22-11 23 33	Coin-Operated Laundry Equipment
22-11 23 43	Hanging Garment Conveyors
22-11 24 00	Maintenance Equipment
22-11 24 13	Floor and Wall Cleaning Equipment
22-11 24 16	Housekeeping Carts
22-11 24 19	Vacuum Cleaning Systems

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-11 24 23	Façade Access Equipment
22-11 24 23 13	Window Washing Systems
22-11 24 29	Facility Fall Protection
22-11 25 00	Hospitality Equipment
22-11 25 13	Registration Equipment
22-11 26 00	Unit Kitchens
22-11 26 13	Metal Unit Kitchens
22-11 26 16	Wood Unit Kitchens
22-11 26 19	Plastic-Laminate-Clad Unit Kitchens
22-11 27 00	Photographic Processing Equipment
22-11 27 13	Darkroom Processing Equipment
22-11 27 16	Film Transfer Cabinets
22-11 28 00	Office Equipment
22-11 28 13	Computers
22-11 28 16	Printers
22-11 28 19	Self-Contained Facsimile Machines
22-11 28 23	Copiers
22-11 29 00	Postal, Packaging, and Shipping Equipment
22-11 29 23	Packaging Equipment
22-11 29 33	Shipping Equipment
22-11 29 55	Postal Equipment
22-11 30 00	Residential Equipment
22-11 31 00	Residential Appliances
22-11 31 13	Residential Kitchen Appliances
22-11 31 23	Residential Laundry Appliances
22-11 33 00	Retractable Stairs
22-11 34 00	Residential Ceiling Fans
22-11 40 00	Foodservice Equipment
22-11 41 00	Foodservice Storage Equipment
22-11 41 13	Refrigerated Food Storage Cases
22-11 41 23	Walk-In Coolers
22-11 41 26	Walk-In Freezers
22-11 41 33	Foodservice Shelving
22-11 42 00	Food Preparation Equipment
22-11 42 13	Food Preparation Appliances
22-11 42 16	Food Preparation Surfaces
22-11 43 00	Food Delivery Carts and Conveyors
22-11 43 13	Food Delivery Carts
22-11 43 16	Food Delivery Conveyors
22-11 44 00	Food Cooking Equipment
22-11 44 13	Commercial Ranges
22-11 44 16	Commercial Ovens
22-11 46 00	Food Dispensing Equipment
22-11 46 13	Bar Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-11 46 16	Service Line Equipment
22-11 46 19	Soda Fountain Equipment
22-11 46 23	Coffee and Espresso Equipment
22-11 47 00	Ice Machines
22-11 48 00	Cleaning and Disposal Equipment
22-11 48 13	Commercial Dishwashers
22-11 50 00	Educational and Scientific Equipment
22-11 51 00	Library Equipment
22-11 51 13	Automated Book Storage and Retrieval Systems
22-11 51 16	Book Depositories
22-11 51 19	Book Theft Protection Equipment
22-11 51 23	Library Stack Systems
22-11 51 23 13	Metal Library Shelving
22-11 52 00	Audio-Visual Equipment
22-11 52 13	Projection Screens
22-11 52 13 13	Fixed Projection Screens
22-11 52 13 16	Portable Projection Screens
22-11 52 13 19	Rear Projection Screens
22-11 52 16	Projectors
22-11 52 16 13	Movie Projectors
22-11 52 16 16	Slide Projectors
22-11 52 16 19	Overhead Projectors
22-11 52 16 23	Opaque Projectors
22-11 52 16 26	Video Projectors
22-11 52 19	Players and Recorders
22-11 52 23	Audio-Visual Equipment Supports
22-11 53 00	Laboratory Equipment
22-11 53 13	Laboratory Fume Hoods
22-11 53 13 13	Recirculating Laboratory Fume Hoods
22-11 53 16	Laboratory Incubators
22-11 53 17	Laboratory Equipment Washers
22-11 53 19	Laboratory Sterilizers
22-11 53 23	Laboratory Refrigerators
22-11 53 26	Laboratory Freezers
22-11 53 29	Laboratory Controlled-Environment Cabinets
22-11 53 33	Emergency Safety Appliances
22-11 53 43	Service Fittings and Accessories
22-11 53 53	Biological Safety Cabinets
22-11 55 00	Planetarium Equipment
22-11 55 13	Planetarium Projectors
22-11 55 16	Planetarium Pendulums
22-11 56 00	Observatory Equipment
22-11 56 13	Telescopes
22-11 56 16	Telescope Mounts

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-11 56 19	Telescope Drive Mechanisms
22-11 56 23	Telescope Domes
22-11 57 00	Vocational Shop Equipment
22-11 59 00	Exhibit Equipment
22-11 60 00	Entertainment Equipment
22-11 61 00	Broadcast, Theater, and Stage Equipment
22-11 61 13	Acoustical Shells
22-11 61 23	Folding and Portable Stages
22-11 61 33	Rigging Systems and Controls
22-11 61 33 11	Lighting Rigging Systems
22-11 61 33 16	Scenery Rigging Systems
22-11 61 33 19	Curtain Systems
22-11 61 43	Stage Curtains
22-11 62 00	Musical Equipment
22-11 62 13	Bells
22-11 62 16	Carillons
22-11 62 19	Organs
22-11 65 00	Athletic and Recreational Equipment
22-11 66 00	Athletic Equipment
22-11 66 13	Exercise Equipment
22-11 66 23	Gymnasium Equipment
22-11 66 23 13	Basketball Equipment
22-11 66 23 23	Volleyball Equipment
22-11 66 23 33	Interior Tennis Equipment
22-11 66 23 43	Interior Track and Field Equipment
22-11 66 23 53	Wall Padding
22-11 66 23 56	Mat Storage
22-11 66 43	Interior Scoreboards
22-11 66 53	Gymnasium Dividers
22-11 66 53 13	Batting/Golf Cages
22-11 67 00	Recreational Equipment
22-11 67 13	Bowling Alley Equipment
22-11 67 23	Shooting Range Equipment
22-11 67 33	Climbing Walls
22-11 67 43	Table Games Equipment
22-11 67 43 13	Pool Tables
22-11 67 43 23	Ping-Pong Tables
22-11 67 53	Game Room Equipment
22-11 67 53 13	Video Games
22-11 67 53 23	Pinball Machines
22-11 68 00	Play Field Equipment and Structures
22-11 68 13	Playground Equipment
22-11 68 16	Play Structures
22-11 68 23	Exterior Court Athletic Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-11 68 23 13	Exterior Basketball Equipment
22-11 68 23 23	Exterior Volleyball Equipment
22-11 68 23 33	Tennis Equipment
22-11 68 33	Athletic Field Equipment
22-11 68 33 13	Football Field Equipment
22-11 68 33 23	Soccer and Field Hockey Equipment
22-11 68 33 33	Baseball Field Equipment
22-11 68 33 43	Track and Field Equipment
22-11 68 43	Exterior Scoreboards
22-11 70 00	Healthcare Equipment
22-11 71 00	Medical Sterilizing Equipment
22-11 72 00	Examination and Treatment Equipment
22-11 72 13	Examination Equipment
22-11 72 53	Treatment Equipment
22-11 73 00	Patient Care Equipment
22-11 74 00	Dental Equipment
22-11 75 00	Optical Equipment
22-11 76 00	Operating Room Equipment
22-11 77 00	Radiology Equipment
22-11 78 00	Mortuary Equipment
22-11 78 13	Mortuary Refrigerators
22-11 78 16	Crematorium Equipment
22-11 78 19	Mortuary Lifts
22-11 79 00	Therapy Equipment
22-11 80 00	Collection and Disposal Equipment
22-11 82 00	Solid Waste Handling Equipment
22-11 82 13	Solid Waste Bins
22-11 82 19	Packaged Incinerators
22-11 82 23	Recycling Equipment
22-11 82 26	Facility Waste Compactors
22-11 82 29	Composting Equipment
22-11 82 33	Facility Waste Shredders
22-11 82 36	Facility Waste Balers
22-11 90 00	Other Equipment
22-11 91 00	Religious Equipment
22-11 91 13	Baptisteries
22-11 92 00	Agricultural Equipment
22-11 92 13	Milkers
22-11 92 16	Stock Feeders
22-11 92 19	Stock Waterers
22-11 92 23	Agricultural Waste Clean-Up Equipment
22-11 93 00	Horticultural Equipment
22-11 93 13	Hydroponic Growing Systems
22-11 93 16	Seeders

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-11 93 19	Transplanters
22-11 93 23	Potting Machines
22-11 93 26	Flat Fillers
22-11 93 29	Baggers
22-11 93 33	Soil Mixers
22-11 95 00	Arts and Crafts Equipment
22-11 95 13	Kilns
22-12 00 00	<b>Furnishings</b>
22-12 01 00	Operation and Maintenance of Furnishings
22-12 01 10	Operation and Maintenance of Art
22-12 01 20	Operation and Maintenance of Window Treatments
22-12 01 30	Operation and Maintenance of Casework
22-12 01 40	Operation and Maintenance of Furnishings and Accessories
22-12 01 50	Operation and Maintenance of Furniture
22-12 01 60	Operation and Maintenance of Multiple Seating
22-12 01 90	Operation and Maintenance of Other Furnishings
22-12 05 00	Common Work Results for Furnishings
22-12 05 13	Fabrics
22-12 08 00	Commissioning of Furnishings
22-12 10 00	Art
22-12 11 00	Murals
22-12 11 13	Photo Murals
22-12 11 16	Sculptured Brick Panels
22-12 11 23	Brick Murals
22-12 11 26	Ceramic Tile Murals
22-12 11 33	Trompe l'oeil
22-12 12 00	Wall Decorations
22-12 12 13	Commissioned Paintings
22-12 12 16	Framed Paintings
22-12 12 19	Framed Prints
22-12 12 23	Tapestries
22-12 12 26	Wall Hangings
22-12 14 00	Sculptures
22-12 14 13	Carved Sculpture
22-12 14 16	Cast Sculpture
22-12 14 19	Constructed Sculpture
22-12 14 23	Relief Art
22-12 17 00	Art Glass
22-12 17 13	Etched Glass
22-12 17 16	Stained Glass
22-12 19 00	Religious Art
22-12 20 00	Window Treatments
22-12 21 00	Window Blinds
22-12 21 13	Horizontal Louver Blinds



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-12 21 13 13	Metal Horizontal Louver Blinds
22-12 21 13 23	Wood Horizontal Louver Blinds
22-12 21 13 33	Plastic Horizontal Louver Blinds
22-12 21 16	Vertical Louver Blinds
22-12 21 16 13	Metal Vertical Louver Blinds
22-12 21 16 23	Wood Vertical Louver Blinds
22-12 21 16 33	Plastic Vertical Louver Blinds
22-12 21 23	Roll-Down Blinds
22-12 21 26	Black-Out Blinds
22-12 22 00	Curtains and Drapes
22-12 22 13	Draperies
22-12 22 16	Drapery Track and Accessories
22-12 23 00	Interior Shutters
22-12 23 13	Wood Interior Shutters
22-12 24 00	Window Shades
22-12 24 13	Roller Window Shades
22-12 24 16	Pleated Window Shades
22-12 24 16 13	Z-Pleated Window Shades
22-12 24 16 23	Cellular Shades
22-12 24 16 33	Roman Shades
22-12 25 00	Window Treatment Operating Hardware
22-12 25 09	Window Treatment Control System
22-12 25 13	Motorized Drapery Rods
22-12 26 00	Interior Daylighting Devices
22-12 30 00	Casework
22-12 31 00	Manufactured Metal Casework
22-12 31 16	Manufactured Metal Sandwich Panel Casework
22-12 32 00	Manufactured Wood Casework
22-12 32 13	Manufactured Wood-Veneer-Faced Casework
22-12 32 16	Manufactured Plastic-Laminate-Clad Casework
22-12 34 00	Manufactured Plastic Casework
22-12 34 16	Manufactured Solid-Plastic Casework
22-12 35 00	Specialty Casework
22-12 35 17	Bank Casework
22-12 35 25	Hospitality Casework
22-12 35 30	Residential Casework
22-12 35 30 13	Kitchen Casework
22-12 35 30 23	Bathroom Casework
22-12 35 30 43	Dormitory Casework
22-12 35 33	Utility Room Casework
22-12 35 36	Mailroom Casework
22-12 35 39	Commercial Kitchen Casework
22-12 35 50	Educational/Library Casework
22-12 35 50 13	Educational Casework

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-12 35 50 53	Library Casework
22-12 35 50 56	Built-In Study Carrels
22-12 35 53	Laboratory Casework
22-12 35 53 13	Metal Laboratory Casework
22-12 35 53 16	Plastic-Laminate-Clad Laboratory Casework
22-12 35 53 19	Wood Laboratory Casework
22-12 35 53 23	Solid-Plastic Laboratory Casework
22-12 35 59	Display Casework
22-12 35 70	Healthcare Casework
22-12 35 70 13	Hospital Casework
22-12 35 70 16	Nurse Station Casework
22-12 35 70 19	Exam Room Casework
22-12 35 70 74	Dental Casework
22-12 35 83	Performing Arts Casework
22-12 35 91	Religious Casework
22-12 36 00	Countertops
22-12 36 13	Concrete Countertops
22-12 36 16	Metal Countertops
22-12 36 19	Wood Countertops
22-12 36 23	Plastic Countertops
22-12 36 23 13	Plastic-Laminate-Clad Countertops
22-12 36 40	Stone Countertops
22-12 36 53	Laboratory Countertops
22-12 36 61	Simulated Stone Countertops
22-12 36 61 13	Cultured Marble Countertops
22-12 36 61 16	Solid Surfacing Countertops
22-12 36 61 19	Quartz Agglomerate Countertops
22-12 40 00	Furnishings and Accessories
22-12 41 00	Office Accessories
22-12 41 13	Desk Accessories
22-12 42 00	Table Accessories
22-12 42 13	Ceramics
22-12 42 16	Flatware
22-12 42 16 13	Silverware
22-12 42 19	Hollowware
22-12 42 23	Glassware
22-12 42 26	Table Linens
22-12 42 26 13	Napery
22-12 43 00	Portable Lamps
22-12 43 13	Lamps
22-12 43 13 13	Desk Lamps
22-12 43 13 16	Table Lamps
22-12 43 13 19	Floor Lamps
22-12 44 00	Bath Furnishings

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-12 44 13	Bath Linens
22-12 44 13 13	Bath Mats
22-12 44 13 16	Bath Towels
22-12 44 16	Shower Curtains
22-12 45 00	Bedroom Furnishings
22-12 45 13	Bed Linens
22-12 45 13 13	Blankets
22-12 45 13 16	Comforters
22-12 45 16	Pillows
22-12 46 00	Furnishing Accessories
22-12 46 13	Ash Receptacles
22-12 46 16	Bowls
22-12 46 19	Clocks
22-12 46 23	Decorative Crafts
22-12 46 26	Decorative Screens
22-12 46 29	Vases
22-12 46 33	Waste Receptacles
22-12 48 00	Rugs and Mats
22-12 48 13	Entrance Floor Mats and Frames
22-12 48 13 13	Entrance Floor Mats
22-12 48 13 16	Entrance Floor Mat Frames
22-12 48 16	Entrance Floor Grilles
22-12 48 19	Entrance Floor Gratings
22-12 48 23	Entrance Floor Grids
22-12 48 26	Entrance Tile
22-12 48 43	Floor Mats
22-12 48 43 13	Chair Mats
22-12 48 43 23	Anti-Fatigue Floor Mats
22-12 48 43 26	Fall-Cushioning Floor Mats
22-12 48 53	Rugs
22-12 48 53 13	Runners
22-12 48 53 16	Oriental Rugs
22-12 50 00	Furniture
22-12 51 00	Office Furniture
22-12 51 16	Case Goods
22-12 51 16 13	Metal Case Goods
22-12 51 16 16	Wood Case Goods
22-12 51 16 19	Plastic-Laminate-Clad Case Goods
22-12 51 19	Filing Cabinets
22-12 51 19 13	Lateral Filing Cabinets
22-12 51 19 16	Vertical Filing Cabinets
22-12 51 23	Office Tables
22-12 51 83	Custom Office Furniture
22-12 52 00	Seating

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-12 52 13	Chairs
22-12 52 19	Upholstered Seating
22-12 52 23	Office Seating
22-12 52 70	Healthcare Seating
22-12 52 83	Custom Seating
22-12 53 00	Retail Furniture
22-12 53 83	Custom Retail Furniture
22-12 54 00	Hospitality Furniture
22-12 54 13	Hotel and Motel Furniture
22-12 54 16	Restaurant Furniture
22-12 54 83	Custom Hospitality Furniture
22-12 55 00	Detention Furniture
22-12 55 13	Detention Bunks
22-12 55 16	Detention Desks
22-12 55 19	Detention Stools
22-12 55 23	Detention Tables
22-12 55 26	Detention Safety Clothes Hooks
22-12 55 83	Custom Detention Furniture
22-12 55 86	Detention Control Room Furniture
22-12 56 00	Institutional Furniture
22-12 56 23	Religious Furniture
22-12 56 33	Classroom Furniture
22-12 56 33 13	Fixed Classroom Tables
22-12 56 33 23	Classroom Computer Furniture
22-12 56 39	Lecterns
22-12 56 43	Dormitory Furniture
22-12 56 51	Library Furniture
22-12 56 51 13	Book Shelves
22-12 56 51 16	Study Carrels
22-12 56 51 19	Index Card File Cabinets
22-12 56 52	Audio-Visual Furniture
22-12 56 53	Laboratory Furniture
22-12 56 70	Healthcare Furniture
22-12 56 83	Custom Institutional Furniture
22-12 56 86	Institutional Control Room Furniture
22-12 57 00	Industrial Furniture
22-12 57 13	Welding Benches
22-12 57 16	Welding Screens
22-12 57 19	Laser Containment Screens
22-12 57 83	Custom Industrial Furniture
22-12 57 86	Industrial Control Room Furniture
22-12 58 00	Residential Furniture
22-12 58 13	Couches and Loveseats
22-12 58 13 13	Futons

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-12 58 16	Residential Chairs
22-12 58 16 13	Reclining Chairs
22-12 58 19	Dining Tables and Chairs
22-12 58 23	Coffee Tables
22-12 58 26	Entertainment Centers
22-12 58 29	Beds
22-12 58 29 13	Daybeds
22-12 58 33	Dressers
22-12 58 33 13	Armoires
22-12 58 36	Nightstands
22-12 58 83	Custom Residential Furniture
22-12 59 00	Systems Furniture
22-12 59 13	Panel-Hung Component System Furniture
22-12 59 16	Free-Standing Component System Furniture
22-12 59 19	Beam System Furniture
22-12 59 23	Desk System Furniture
22-12 59 83	Custom Systems Furniture
22-12 60 00	Multiple Seating
22-12 61 00	Fixed Audience Seating
22-12 61 13	Upholstered Audience Seating
22-12 61 16	Molded-Plastic Audience Seating
22-12 62 00	Portable Audience Seating
22-12 62 13	Folding Chairs
22-12 62 16	Interlocking Chairs
22-12 62 19	Stacking Chairs
22-12 63 00	Stadium and Arena Seating
22-12 63 13	Stadium and Arena Bench Seating
22-12 63 23	Stadium and Arena Seats
22-12 64 00	Booths and Tables
22-12 65 00	Multiple-Use Fixed Seating
22-12 66 00	Telescoping Stands
22-12 66 13	Telescoping Bleachers
22-12 66 23	Telescoping Chair Platforms
22-12 67 00	Pews and Benches
22-12 67 13	Pews
22-12 67 23	Benches
22-12 68 00	Seat and Table Assemblies
22-12 68 13	Pedestal Tablet Arm Chairs
22-12 90 00	Other Furnishings
22-12 92 00	Interior Planters and Artificial Plants
22-12 92 13	Interior Artificial Plants
22-12 92 33	Interior Planters
22-12 92 43	Interior Landscaping Accessories
22-12 93 00	Site Furnishings

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-12 93 13	Bicycle Racks
22-12 93 14	Bicycle Lockers
22-12 93 23	Trash and Litter Receptacles
22-12 93 33	Manufactured Planters
22-12 93 43	Site Seating and Tables
22-12 93 43 13	Site Seating
22-12 93 43 53	Site Tables
22-13 00 00	<b>Special Construction</b>
22-13 01 00	Operation and Maintenance of Special Construction
22-13 01 10	Operation and Maintenance of Special Facility Components
22-13 01 11	Operation and Maintenance of Swimming Pools
22-13 01 12	Operation and Maintenance of Fountains
22-13 01 13	Operation and Maintenance of Aquariums
22-13 01 14	Operation and Maintenance of Amusement Park Structures and Equipment
22-13 01 18	Operation and Maintenance of Ice Rinks
22-13 01 20	Operation and Maintenance of Special Purpose Rooms
22-13 01 21	Operation and Maintenance of Controlled Environment Rooms
22-13 01 23	Operation and Maintenance of Planetariums
22-13 01 30	Operation and Maintenance of Special Structures
22-13 01 40	Operation and Maintenance of Integrated Construction
22-13 01 49	Operation and Maintenance of Radiation Protection
22-13 01 50	Operation and Maintenance of Special Instrumentation
22-13 01 51	Operation and Maintenance of Stress Instrumentation
22-13 01 52	Operation and Maintenance of Seismic Instrumentation
22-13 01 53	Operation and Maintenance of Meteorological Instrumentation
22-13 05 00	Common Work Results for Special Construction
22-13 08 00	Commissioning of Special Construction
22-13 08 10	Commissioning of Special Facility Components
22-13 08 11	Commissioning of Swimming Pools
22-13 08 12	Commissioning of Fountains
22-13 08 13	Commissioning of Aquariums
22-13 08 14	Commissioning of Amusement Park Structures and Equipment
22-13 08 18	Commissioning of Ice Rinks
22-13 08 20	Commissioning of Special Purpose Rooms
22-13 08 21	Commissioning of Controlled Environment Rooms
22-13 08 23	Commissioning of Planetariums
22-13 08 30	Commissioning of Special Structures
22-13 08 40	Commissioning of Integrated Construction
22-13 08 50	Commissioning of Special Instrumentation
22-13 10 00	Special Facility Components
22-13 11 00	Swimming Pools
22-13 11 13	Below-Grade Swimming Pools
22-13 11 23	On-Grade Swimming Pools
22-13 11 33	Elevated Swimming Pools

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-13 11 43	Recirculating Gutter Systems
22-13 11 46	Swimming Pool Accessories
22-13 11 49	Swimming Pool Cleaning Equipment
22-13 11 53	Movable Pool Bulkheads
22-13 11 56	Movable Pool Floors
22-13 12 00	Fountains
22-13 12 13	Exterior Fountains
22-13 12 23	Interior Fountains
22-13 13 00	Aquariums
22-13 14 00	Amusement Park Structures and Equipment
22-13 14 13	Water Slides
22-13 14 16	Wave Generating Equipment
22-13 14 23	Amusement Park Rides
22-13 17 00	Tubs and Pools
22-13 17 13	Hot Tubs
22-13 17 23	Therapeutic Pools
22-13 17 33	Whirlpool Tubs
22-13 18 00	Ice Rinks
22-13 18 13	Ice Rink Floor Systems
22-13 18 16	Ice Rink Dasher Boards
22-13 19 00	Kennels and Animal Shelters
22-13 19 13	Kennel Enclosures and Gates
22-13 19 16	Kennel Feeding Devices
22-13 20 00	Special Purpose Rooms
22-13 21 00	Controlled Environment Rooms
22-13 21 13	Clean Rooms
22-13 21 16	Hyperbaric Rooms
22-13 21 23	Insulated Rooms
22-13 21 26	Cold Storage Rooms
22-13 21 26 13	Walk-in Coolers
22-13 21 26 16	Walk-in Freezers
22-13 21 29	Constant Temperature Rooms
22-13 21 48	Sound-Conditioned Rooms
22-13 22 00	Office Shelters and Booths
22-13 23 00	Planetariums
22-13 24 00	Special Activity Rooms
22-13 24 16	Saunas
22-13 24 26	Steam Baths
22-13 24 66	Athletic Rooms
22-13 26 00	Fabricated Rooms
22-13 26 13	Storm Shelter Rooms
22-13 27 00	Vaults
22-13 27 16	Modular Fire Vaults
22-13 27 53	Security Vaults

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-13 27 53 13	Modular Concrete Security Vaults
22-13 27 53 16	Modular Metal-Clad Laminated Security Vaults
22-13 28 00	Athletic and Recreational Special Construction
22-13 28 13	Indoor Soccer Boards
22-13 28 16	Safety Netting
22-13 28 19	Arena Football Boards
22-13 28 26	Floor Sockets
22-13 28 33	Athletic and Recreational Court Walls
22-13 28 66	Demountable Athletic Surfaces
22-13 30 00	Special Structures
22-13 31 00	Fabric Structures
22-13 31 13	Air-Supported Fabric Structures
22-13 31 13 13	Single-Walled Air-Supported Structures
22-13 31 13 16	Multiple-Walled Air-Supported Structures
22-13 31 23	Tensioned Fabric Structures
22-13 31 33	Framed Fabric Structures
22-13 32 00	Space Frames
22-13 32 13	Metal Space Frames
22-13 32 23	Wood Space Frames
22-13 33 00	Geodesic Structures
22-13 33 13	Geodesic Domes
22-13 34 00	Fabricated Engineered Structures
22-13 34 13	Glazed Structures
22-13 34 13 13	Greenhouses
22-13 34 13 16	Solariums
22-13 34 13 19	Swimming Pool Enclosures
22-13 34 13 23	Sunrooms
22-13 34 13 26	Conservatories
22-13 34 16	Grandstands and Bleachers
22-13 34 16 13	Grandstands
22-13 34 16 53	Bleachers
22-13 34 18	Post Frame Building Systems
22-13 34 19	Metal Building Systems
22-13 34 23	Fabricated Structures
22-13 34 23 13	Portable and Mobile Buildings
22-13 34 23 14	Fabricated Classroom Buildings
22-13 34 23 16	Fabricated Control Booths
22-13 34 23 19	Fabricated Dome Structures
22-13 34 23 23	Fabricated Substation Control Rooms
22-13 34 56	Observatories
22-13 35 00	Rammed Earth Construction
22-13 35 13	Rammed Earth Walls
22-13 35 13 13	Traditional Rammed Earth Walls
22-13 35 13 23	Stabilized Insulated Rammed Earth Walls



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-13 36 00	Towers
22-13 36 13	Metal Towers
22-13 36 13 13	Steel Towers
22-13 36 23	Wood Towers
22-13 40 00	Integrated Construction
22-13 42 00	Building Modules
22-13 42 13	Bathroom Unit Modules
22-13 42 25	Hospitality Unit Modules
22-13 42 33	Apartment Unit Modules
22-13 42 43	Dormitory Unit Modules
22-13 42 46	Education Unit Modules
22-13 42 63	Detention Cell Modules
22-13 42 63 13	Precast-Concrete Detention Cell Modules
22-13 42 63 16	Steel Detention Cell Modules
22-13 44 00	Modular Mezzanines
22-13 48 00	Sound, Vibration, and Seismic Control
22-13 48 13	Manufactured Sound and Vibration Control Components
22-13 48 23	Fabricated Sound and Vibration Control Assemblies
22-13 48 53	Manufactured Seismic Control Components
22-13 48 63	Fabricated Seismic Control Assemblies
22-13 49 00	Radiation Protection
22-13 49 13	Integrated X-Ray Shielding Assemblies
22-13 49 16	Modular X-Ray Shielding Rooms
22-13 49 23	Integrated RFI/EMI Shielding Assemblies
22-13 49 26	Modular RFI/EMI Shielding Rooms
22-13 50 00	Special Instrumentation
22-13 51 00	Stress Instrumentation
22-13 52 00	Seismic Instrumentation
22-13 53 00	Meteorological Instrumentation
22-13 53 13	Solar Instrumentation
22-13 53 23	Wind Instrumentation
22-14 00 00	<b>Conveying Equipment</b>
22-14 01 00	Operation and Maintenance of Conveying Equipment
22-14 01 10	Operation and Maintenance of Dumbwaiters
22-14 01 10 71	Dumbwaiter Rehabilitation
22-14 01 20	Operation and Maintenance of Elevators
22-14 01 20 71	Elevator Rehabilitation
22-14 01 30	Operation and Maintenance of Escalators and Moving Walks
22-14 01 30 71	Escalators and Moving Walks Rehabilitation
22-14 01 40	Operation and Maintenance of Lifts
22-14 01 40 71	Lifts Rehabilitation
22-14 01 70	Operation and Maintenance of Turntables
22-14 01 80	Operation and Maintenance of Scaffolding
22-14 01 90	Operation and Maintenance of Other Conveying Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-14 05 00	Common Work Results for Conveying Equipment
22-14 08 00	Commissioning of Conveying Equipment
22-14 08 10	Commissioning of Dumbwaiters
22-14 08 20	Commissioning of Elevators
22-14 08 30	Commissioning of Escalators and Moving Walks
22-14 08 40	Commissioning of Lifts
22-14 08 70	Commissioning of Turntables
22-14 08 80	Commissioning of Scaffolding
22-14 10 00	Dumbwaiters
22-14 11 00	Manual Dumbwaiters
22-14 12 00	Electric Dumbwaiters
22-14 14 00	Hydraulic Dumbwaiters
22-14 20 00	Elevators
22-14 21 00	Electric Traction Elevators
22-14 21 13	Electric Traction Freight Elevators
22-14 21 23	Electric Traction Passenger Elevators
22-14 21 23 13	Machine Room Electric Traction Passenger Elevators
22-14 21 23 16	Machine Room-Less Electric Traction Passenger Elevators
22-14 21 33	Electric Traction Residential Elevators
22-14 21 43	Electric Traction Service Elevators
22-14 24 00	Hydraulic Elevators
22-14 24 13	Hydraulic Freight Elevators
22-14 24 23	Hydraulic Passenger Elevators
22-14 24 33	Hydraulic Residential Elevators
22-14 24 43	Hydraulic Service Elevators
22-14 26 00	Limited-Use/Limited-Application Elevators
22-14 27 00	Custom Elevator Cabs and Doors
22-14 27 13	Custom Elevator Cab Finishes
22-14 27 16	Custom Elevator Doors
22-14 28 00	Elevator Equipment and Controls
22-14 28 16	Elevator Controls
22-14 28 19	Elevator Equipment
22-14 28 19 13	Elevator Safety Equipment
22-14 28 19 16	Elevator Hoistway Equipment
22-14 30 00	Escalators and Moving Walks
22-14 31 00	Escalators
22-14 32 00	Moving Walks
22-14 33 00	Moving Ramps
22-14 33 13	Motorized Ramps
22-14 33 16	Powered Ramps
22-14 40 00	Lifts
22-14 41 00	People Lifts
22-14 41 13	Counterbalanced People Lifts
22-14 41 16	Endless-Belt People Lifts

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-14 42 00	Wheelchair Lifts
22-14 42 13	Inclined Wheelchair Lifts
22-14 42 16	Vertical Wheelchair Lifts
22-14 43 00	Platform Lifts
22-14 43 13	Orchestra Lifts
22-14 43 16	Stage Lifts
22-14 44 00	Sidewalk Lifts
22-14 45 00	Vehicle Lifts
22-14 70 00	Turntables
22-14 71 00	Industrial Turntables
22-14 71 11	Vehicle Turntables
22-14 72 00	Hospitality Turntables
22-14 72 25	Restaurant Turntables
22-14 73 00	Exhibit Turntables
22-14 73 59	Display Turntables
22-14 74 00	Entertainment Turntables
22-14 74 61	Stage Turntables
22-14 80 00	Scaffolding
22-14 81 00	Suspended Scaffolding
22-14 81 13	Beam Scaffolding
22-14 81 16	Carriage Scaffolding
22-14 81 19	Hook Scaffolding
22-14 82 00	Rope Climbers
22-14 82 13	Manual Rope Climbers
22-14 82 16	Powered Rope Climbers
22-14 83 00	Elevating Platforms
22-14 83 13	Telescoping Platform Lifts
22-14 83 13 13	Electric and Battery Telescoping Platform Lifts
22-14 83 13 16	Pneumatic Telescoping Platform Lifts
22-14 83 16	Scissor Lift Platforms
22-14 83 19	Multi-Axis Platform Lifts
22-14 84 00	Powered Scaffolding
22-14 84 13	Window Washing Scaffolding
22-14 84 23	Window Washing Hoists
22-14 90 00	Other Conveying Equipment
22-14 91 00	Facility Chutes
22-14 91 13	Coal Chutes
22-14 91 23	Escape Chutes
22-14 91 33	Laundry and Linen Chutes
22-14 91 82	Trash Chutes
22-14 92 00	Pneumatic Tube Systems
22-14 93 00	Slide Pole Systems
22-14 93 13	Firehouse Slide Poles
22-21 00 00	<b>Fire Suppression</b>

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-21 01 00	Operation and Maintenance of Fire Suppression
22-21 01 10	Operation and Maintenance of Water-Based Fire-Suppression Systems
22-21 01 20	Operation and Maintenance of Fire-Extinguishing Systems
22-21 01 30	Operation and Maintenance of Fire-Suppression Equipment
22-21 05 00	Common Work Results for Fire Suppression
22-21 05 13	Common Motor Requirements for Fire-Suppression Equipment
22-21 05 16	Expansion Fittings and Loops for Fire-Suppression Piping
22-21 05 19	Meters and Gages for Fire-Suppression Systems
22-21 05 23	General-Duty Valves for Water-Based Fire-Suppression Piping
22-21 05 29	Hangers and Supports for Fire-Suppression Piping and Equipment
22-21 05 33	Heat Tracing for Fire-Suppression Piping
22-21 05 48	Vibration and Seismic Controls for Fire-Suppression Piping and Equipment
22-21 05 53	Identification for Fire-Suppression Piping and Equipment
22-21 07 00	Fire Suppression Systems Insulation
22-21 07 16	Fire-Suppression Equipment Insulation
22-21 07 19	Fire-Suppression Piping Insulation
22-21 08 00	Commissioning of Fire Suppression
22-21 09 00	Instrumentation and Control for Fire-Suppression Systems
22-21 10 00	Water-Based Fire-Suppression Systems
22-21 11 00	Facility Fire-Suppression Water-Service Piping
22-21 11 16	Facility Fire Hydrants
22-21 11 19	Fire-Department Connections
22-21 12 00	Fire-Suppression Standpipes
22-21 12 13	Fire-Suppression Hoses and Nozzles
22-21 12 16	Fire-Suppression Hose Reels
22-21 12 19	Fire-Suppression Hose Racks
22-21 12 23	Fire-Suppression Hose Valves
22-21 13 00	Fire-Suppression Sprinkler Systems
22-21 13 13	Wet-Pipe Sprinkler Systems
22-21 13 16	Dry-Pipe Sprinkler Systems
22-21 13 19	Preaction Sprinkler Systems
22-21 13 23	Combined Dry-Pipe and Preaction Sprinkler Systems
22-21 13 26	Deluge Fire-Suppression Sprinkler Systems
22-21 13 29	Water Spray Fixed Systems
22-21 13 36	Antifreeze Sprinkler Systems
22-21 13 39	Foam-Water Systems
22-21 16 00	Fire-Suppression Pressure Maintenance Pumps
22-21 20 00	Fire-Extinguishing Systems
22-21 21 00	Carbon-Dioxide Fire-Extinguishing Systems
22-21 21 13	Carbon-Dioxide Fire-Extinguishing Piping
22-21 21 16	Carbon-Dioxide Fire-Extinguishing Equipment
22-21 22 00	Clean-Agent Fire-Extinguishing Systems
22-21 22 13	Clean-Agent Fire-Extinguishing Piping
22-21 22 16	Clean-Agent Fire-Extinguishing Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-21 23 00	Wet-Chemical Fire-Extinguishing Systems
22-21 23 13	Wet-Chemical Fire-Extinguishing Piping
22-21 23 16	Wet-Chemical Fire-Extinguishing Equipment
22-21 24 00	Dry-Chemical Fire-Extinguishing Systems
22-21 24 13	Dry-Chemical Fire-Extinguishing Piping
22-21 24 16	Dry-Chemical Fire-Extinguishing Equipment
22-21 30 00	Fire Pumps
22-21 31 00	Centrifugal Fire Pumps
22-21 31 13	Electric-Drive, Centrifugal Fire Pumps
22-21 31 16	Diesel-Drive, Centrifugal Fire Pumps
22-21 32 00	Vertical-Turbine Fire Pumps
22-21 32 13	Electric-Drive, Vertical-Turbine Fire Pumps
22-21 32 16	Diesel-Drive, Vertical-Turbine Fire Pumps
22-21 33 00	Positive-Displacement Fire Pumps
22-21 33 13	Electric-Drive, Positive-Displacement Fire Pumps
22-21 33 16	Diesel-Drive, Positive-Displacement Fire Pumps
22-21 40 00	Fire-Suppression Water Storage
22-21 41 00	Storage Tanks for Fire-Suppression Water
22-21 41 13	Pressurized Storage Tanks for Fire-Suppression Water
22-21 41 16	Elevated Storage Tanks for Fire-Suppression Water
22-21 41 19	Roof-Mounted Storage Tanks for Fire-Suppression Water
22-21 41 23	Ground Suction Storage Tanks for Fire-Suppression Water
22-21 41 26	Underground Storage Tanks for Fire-Suppression Water
22-21 41 29	Storage Tanks for Fire-Suppression Water Additives
22-22 00 00	<b>Plumbing</b>
22-22 01 00	Operation and Maintenance of Plumbing
22-22 01 10	Operation and Maintenance of Plumbing Piping and Pumps
22-22 01 10 16	Video Piping Inspections
22-22 01 10 51	Plumbing Piping Cleaning
22-22 01 10 61	Plumbing Piping Repairs
22-22 01 10 62	Plumbing Piping Relining
22-22 01 30	Operation and Maintenance of Plumbing Equipment
22-22 01 40	Operation and Maintenance of Plumbing Fixtures
22-22 01 50	Operation and Maintenance of Pool and Fountain Plumbing Systems
22-22 01 60	Operation and Maintenance of Laboratory and Healthcare Systems
22-22 05 00	Common Work Results for Plumbing
22-22 05 13	Common Motor Requirements for Plumbing Equipment
22-22 05 16	Expansion Fittings and Loops for Plumbing Piping
22-22 05 19	Meters and Gages for Plumbing Piping
22-22 05 23	General-Duty Valves for Plumbing Piping
22-22 05 29	Hangers and Supports for Plumbing Piping and Equipment
22-22 05 33	Heat Tracing for Plumbing Piping
22-22 05 48	Vibration and Seismic Controls for Plumbing Piping and Equipment
22-22 05 53	Identification for Plumbing Piping and Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-22 05 73	Facility Drainage Manholes
22-22 05 76	Facility Drainage Piping Cleanouts
22-22 07 00	Plumbing Insulation
22-22 07 16	Plumbing Equipment Insulation
22-22 07 19	Plumbing Piping Insulation
22-22 08 00	Commissioning of Plumbing
22-22 09 00	Instrumentation and Control for Plumbing
22-22 10 00	Plumbing Piping
22-22 11 00	Facility Water Distribution
22-22 11 13	Facility Water Distribution Piping
22-22 11 16	Domestic Water Piping
22-22 11 19	Domestic Water Piping Specialties
22-22 11 23	Domestic Water Pumps
22-22 11 23 13	Domestic-Water Packaged Booster Pumps
22-22 11 23 23	Close-Coupled, In-Line, Sealless Centrifugal Domestic-Water Pumps
22-22 11 23 26	Close-Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps
22-22 11 23 29	Close-Coupled, Vertically Mounted, In-Line Centrifugal Domestic-Water Pumps
22-22 11 23 33	Separately Coupled, In-Line Centrifugal Domestic-Water Pumps
22-22 11 23 36	Separately Coupled, Horizontally Mounted, In-Line Centrifugal Domestic-Water Pumps
22-22 12 00	Facility Potable-Water Storage Tanks
22-22 12 13	Facility Roof-Mounted, Potable-Water Storage Tanks
22-22 12 16	Facility Elevated, Potable-Water Storage Tanks
22-22 12 19	Facility Ground-Mounted, Potable-Water Storage Tanks
22-22 12 21	Facility Underground Potable-Water Storage Tanks
22-22 12 23	Facility Indoor Potable-Water Storage Tanks
22-22 12 23 13	Facility Steel, Indoor Potable-Water Storage Pressure Tanks
22-22 12 23 16	Facility Steel, Indoor Potable-Water Storage Non-Pressure Tanks
22-22 12 23 23	Facility Plastic, Indoor Potable-Water Storage Pressure Tanks
22-22 12 23 26	Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks
22-22 13 00	Facility Sanitary Sewerage
22-22 13 13	Facility Sanitary Sewers
22-22 13 16	Sanitary Waste and Vent Piping
22-22 13 19	Sanitary Waste Piping Specialties
22-22 13 19 13	Sanitary Drains
22-22 13 19 23	Fats, Oils, and Grease Disposal Systems
22-22 13 19 26	Grease Removal Devices
22-22 13 19 33	Backwater Valves
22-22 13 19 36	Air-Admittance Valves
22-22 13 23	Sanitary Waste Interceptors
22-22 13 26	Sanitary Waste Separators
22-22 13 29	Sanitary Sewerage Pumps
22-22 13 29 13	Wet-Pit-Mounted, Vertical Sewerage Pumps
22-22 13 29 16	Submersible Sewerage Pumps

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-22 13 29 23	Sewerage Pump Reverse-Flow Assemblies
22-22 13 29 33	Sewerage Pump Basins and Pits
22-22 13 33	Packaged, Submersible Sewerage Pump Units
22-22 13 36	Packaged, Wastewater Pump Units
22-22 13 43	Facility Packaged Sewage Pumping Stations
22-22 13 43 13	Facility Dry-Well Packaged Sewage Pumping Stations
22-22 13 43 16	Facility Wet-Well Packaged Sewage Pumping Stations
22-22 13 53	Facility Septic Tanks
22-22 13 63	Facility Gray Water Tanks
22-22 14 00	Facility Storm Drainage
22-22 14 13	Facility Storm Drainage Piping
22-22 14 16	Rainwater Leaders
22-22 14 19	Sump Pump Discharge Piping
22-22 14 23	Storm Drainage Piping Specialties
22-22 14 26	Facility Storm Drains
22-22 14 26 13	Roof Drains
22-22 14 26 16	Facility Area Drains
22-22 14 26 19	Facility Trench Drains
22-22 14 29	Sump Pumps
22-22 14 29 13	Wet-Pit-Mounted, Vertical Sump Pumps
22-22 14 29 16	Submersible Sump Pumps
22-22 14 29 19	Sump-Pump Basins and Pits
22-22 14 33	Packaged, Pedestal Drainage Pump Units
22-22 14 36	Packaged, Submersible, Drainage Pump Units
22-22 14 53	Rainwater Storage Tanks
22-22 15 00	General Service Compressed-Air Systems
22-22 15 13	General Service Compressed-Air Piping
22-22 15 16	General Service Compressed-Air Valves
22-22 15 19	General Service Packaged Air Compressors and Receivers
22-22 15 19 13	General Service Packaged Reciprocating Air Compressors
22-22 15 19 16	General Service Packaged Liquid-Ring Air Compressors
22-22 15 19 19	General Service Packaged Rotary-Screw Air Compressors
22-22 15 19 23	General Service Packaged Sliding-Vane Air Compressors
22-22 30 00	Plumbing Equipment
22-22 31 00	Domestic Water Softeners
22-22 31 13	Residential Domestic Water Softeners
22-22 31 16	Commercial Domestic Water Softeners
22-22 32 00	Domestic Water Filtration Equipment
22-22 32 13	Domestic-Water Bag-Type Filters
22-22 32 16	Domestic-Water Freestanding Cartridge Filters
22-22 32 19	Domestic-Water Off-Floor Cartridge Filters
22-22 32 23	Domestic-Water Carbon Filters
22-22 32 26	Domestic-Water Sand Filters
22-22 32 26 13	Domestic-Water Circulating Sand Filters

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-22 32 26 16	Domestic-Water Multimedia Sand Filters
22-22 32 26 19	Domestic-Water Greensand Filters
22-22 33 00	Electric Domestic Water Heaters
22-22 33 13	Instantaneous Electric Domestic Water Heaters
22-22 33 13 13	Flow-Control, Instantaneous Electric Domestic Water Heaters
22-22 33 13 16	Thermostat-Control, Instantaneous Electric Domestic Water Heaters
22-22 33 30	Residential, Electric Domestic Water Heaters
22-22 33 30 13	Residential, Small-Capacity Electric Domestic Water Heaters
22-22 33 30 16	Residential, Storage Electric Domestic Water Heaters
22-22 33 30 23	Residential, Collector-to-Tank, Solar-Electric Domestic Water Heaters
22-22 33 30 26	Residential, Collector-to-Tank, Heat-Exchanger-Coil, Solar-Electric Domestic Water Heaters
22-22 33 33	Light-Commercial Electric Domestic Water Heaters
22-22 33 36	Commercial Domestic Water Electric Booster Heaters
22-22 33 36 13	Commercial Domestic Water Electric Booster Heaters
22-22 33 36 16	Commercial Storage Electric Domestic Water Heaters
22-22 34 00	Fuel-Fired Domestic Water Heaters
22-22 34 13	Instantaneous, Tankless, Gas Domestic Water Heaters
22-22 34 30	Residential Gas Domestic Water Heaters
22-22 34 30 13	Residential, Atmospheric, Gas Domestic Water Heaters
22-22 34 30 16	Residential, Direct-Vent, Gas Domestic Water Heaters
22-22 34 30 19	Residential, Power-Vent, Gas Domestic Water Heaters
22-22 34 36	Commercial Gas Domestic Water Heaters
22-22 34 36 13	Commercial, Atmospheric, Gas Domestic Water Heaters
22-22 34 36 16	Commercial, Power-Burner, Gas Domestic Water Heaters
22-22 34 36 19	Commercial, Power-Vent, Gas Domestic Water Heaters
22-22 34 36 23	Commercial, High-Efficiency, Gas Domestic Water Heaters
22-22 34 36 26	Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters
22-22 34 36 29	Commercial, Grid-Type, Finned-Tube, Gas Domestic Water Heaters
22-22 34 46	Oil-Fired Domestic Water Heaters
22-22 34 46 13	Large-Capacity, Oil-Fired Domestic Water Heaters
22-22 34 56	Dual-Fuel-Fired Domestic Water Heaters
22-22 35 00	Domestic Water Heat Exchangers
22-22 35 13	Instantaneous Domestic Water Heat Exchangers
22-22 35 13 13	Heating-Fluid-in-Coil, Instantaneous Domestic Water Heat Exchangers
22-22 35 13 16	Domestic-Water-in-Coil, Instantaneous Domestic Water Heat Exchangers
22-22 35 13 19	Heating-Fluid-in-U-Tube-Coil, Instantaneous Domestic Water Heat Exchangers
22-22 35 23	Circulating, Domestic Water Heat Exchangers
22-22 35 23 13	Circulating, Compact Domestic Water Heat Exchangers
22-22 35 23 16	Circulating, Storage Domestic Water Heat Exchangers
22-22 35 29	Noncirculating, Domestic Water Heat Exchangers
22-22 35 29 13	Noncirculating, Compact Domestic Water Heat Exchangers
22-22 35 29 16	Noncirculating, Storage Domestic Water Heat Exchangers
22-22 35 36	Domestic Water Braze-Plate Heat Exchangers



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-22 35 39	Domestic Water Frame-and-Plate Heat Exchangers
22-22 35 43	Domestic Water Heat Reclaimers
22-22 40 00	Plumbing Fixtures
22-22 41 00	Residential Plumbing Fixtures
22-22 41 13	Residential Water Closets, Urinals, and Bidets
22-22 41 13 13	Residential Water Closets
22-22 41 13 16	Residential Urinals
22-22 41 13 19	Residential Bidets
22-22 41 16	Residential Lavatories and Sinks
22-22 41 16 13	Residential Lavatories
22-22 41 16 19	Residential Sinks
22-22 41 19	Residential Bathtubs
22-22 41 23	Residential Showers
22-22 41 26	Residential Disposers
22-22 41 36	Residential Laundry Trays
22-22 41 39	Residential Faucets, Supplies, and Trim
22-22 42 00	Commercial Plumbing Fixtures
22-22 42 13	Commercial Water Closets, Urinals, and Bidets
22-22 42 13 13	Commercial Water Closets
22-22 42 13 16	Commercial Urinals
22-22 42 16	Commercial Lavatories and Sinks
22-22 42 16 13	Commercial Lavatories
22-22 42 16 16	Commercial Sinks
22-22 42 19	Commercial Bathtubs
22-22 42 23	Commercial Showers
22-22 42 26	Commercial Disposers
22-22 42 29	Shampoo Bowls
22-22 42 33	Wash Fountains
22-22 42 36	Commercial Laundry Trays
22-22 42 39	Commercial Faucets, Supplies, and Trim
22-22 42 43	Flushometers
22-22 43 00	Healthcare Plumbing Fixtures
22-22 43 13	Healthcare Water Closets
22-22 43 16	Healthcare Sinks
22-22 43 19	Healthcare Bathtubs
22-22 43 23	Healthcare Showers
22-22 43 39	Healthcare Faucets
22-22 43 43	Healthcare Plumbing Fixture Flushometers
22-22 45 00	Emergency Plumbing Fixtures
22-22 45 13	Emergency Showers
22-22 45 16	Eyewash Equipment
22-22 45 19	Self-Contained Eyewash Equipment
22-22 45 23	Personal Eyewash Equipment
22-22 45 26	Eye/Face Wash Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-22 45 29	Hand-Held Emergency Drench Hoses
22-22 45 33	Combination Emergency Fixture Units
22-22 45 36	Emergency Fixture Water-Tempering Equipment
22-22 46 00	Security Plumbing Fixtures
22-22 46 13	Security Water Closets and Urinals
22-22 46 13 13	Security Water Closets
22-22 46 13 16	Security Urinals
22-22 46 16	Security Lavatories and Sinks
22-22 46 16 13	Security Lavatories
22-22 46 16 16	Security Sinks
22-22 46 19	Security Showers
22-22 46 39	Security Faucets, Supplies, and Trim
22-22 46 43	Security Plumbing Fixture Flushometers
22-22 46 53	Security Plumbing Fixture Supports
22-22 47 00	Drinking Fountains and Water Coolers
22-22 47 13	Drinking Fountains
22-22 47 16	Pressure Water Coolers
22-22 47 19	Water-Station Water Coolers
22-22 47 23	Remote Water Coolers
22-22 50 00	Pool and Fountain Plumbing Systems
22-22 51 00	Swimming Pool Plumbing Systems
22-22 51 13	Swimming Pool Piping
22-22 51 16	Swimming Pool Pumps
22-22 51 19	Swimming Pool Water Treatment Equipment
22-22 51 23	Swimming Pool Equipment Controls
22-22 52 00	Fountain Plumbing Systems
22-22 52 13	Fountain Piping
22-22 52 16	Fountain Pumps
22-22 52 19	Fountain Water Treatment Equipment
22-22 52 23	Fountain Equipment Controls
22-22 60 00	Gas and Vacuum Systems for Laboratory and Healthcare Facilities
22-22 61 00	Compressed-Air Systems for Laboratory and Healthcare Facilities
22-22 61 13	Compressed-Air Piping for Laboratory and Healthcare Facilities
22-22 61 13 53	Laboratory Compressed-Air Piping
22-22 61 13 70	Healthcare Compressed-Air Piping
22-22 61 13 74	Dental Compressed-Air Piping
22-22 61 19	Compressed-Air Equipment for Laboratory and Healthcare Facilities
22-22 61 19 53	Laboratory Compressed-Air Equipment
22-22 61 19 70	Healthcare Compressed-Air Equipment
22-22 61 19 74	Dental Compressed-Air Equipment
22-22 62 00	Vacuum Systems for Laboratory and Healthcare Facilities
22-22 62 13	Vacuum Piping for Laboratory and Healthcare Facilities
22-22 62 13 53	Laboratory Vacuum Piping
22-22 62 13 70	Healthcare, Surgical Vacuum Piping

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-22 62 13 74	Dental Vacuum Piping
22-22 62 19	Vacuum Equipment for Laboratory and Healthcare Facilities
22-22 62 19 53	Laboratory Vacuum Equipment
22-22 62 19 70	Healthcare Vacuum Equipment
22-22 62 19 74	Dental Vacuum and Evacuation Equipment
22-22 62 23	Waste Anesthesia-Gas Piping
22-22 63 00	Gas Systems for Laboratory and Healthcare Facilities
22-22 63 13	Gas Piping for Laboratory and Healthcare Facilities
22-22 63 13 53	Laboratory Gas Piping
22-22 63 13 70	Healthcare Gas Piping
22-22 63 19	Gas Storage Tanks for Laboratory and Healthcare Facilities
22-22 63 19 53	Laboratory Gas Storage Tanks
22-22 63 19 70	Healthcare Gas Storage Tanks
22-22 66 00	Chemical-Waste Systems for Laboratory and Healthcare Facilities
22-22 66 53	Laboratory Chemical-Waste and Vent Piping
22-22 66 70	Healthcare Chemical-Waste and Vent Piping
22-22 66 83	Chemical-Waste Tanks
22-22 66 83 13	Chemical-Waste Dilution Tanks
22-22 66 83 16	Chemical-Waste Neutralization Tanks
22-22 67 00	Processed Water Systems for Laboratory and Healthcare Facilities
22-22 67 13	Processed Water Piping for Laboratory and Healthcare Facilities
22-22 67 13 13	Distilled-Water Piping
22-22 67 13 16	Reverse-Osmosis Water Piping
22-22 67 13 19	Deionized-Water Piping
22-22 67 19	Processed Water Equipment for Laboratory and Healthcare Facilities
22-22 67 19 13	Distilled-Water Equipment
22-22 67 19 16	Reverse-Osmosis Water Equipment
22-22 67 19 19	Deionized-Water Equipment
22-23 00 00	<b>Heating, Ventilating, and Air-Conditioning (HVAC)</b>
22-23 01 00	Operation and Maintenance of HVAC Systems
22-23 01 10	Operation and Maintenance of Facility Fuel Systems
22-23 01 20	Operation and Maintenance of HVAC Piping and Pumps
22-23 01 30	Operation and Maintenance of HVAC Air Distribution
22-23 01 30 51	HVAC Air-Distribution System Cleaning
22-23 01 50	Operation and Maintenance of Central Heating Equipment
22-23 01 60	Operation and Maintenance of Central Cooling Equipment
22-23 01 60 71	Refrigerant Recovery/Recycling
22-23 01 70	Operation and Maintenance of Central HVAC Equipment
22-23 01 80	Operation and Maintenance of Decentralized HVAC Equipment
22-23 01 90	Diagnostic Systems for HVAC
22-23 05 00	Common Work Results for HVAC
22-23 05 13	Common Motor Requirements for HVAC Equipment
22-23 05 16	Expansion Fittings and Loops for HVAC Piping
22-23 05 19	Meters and Gages for HVAC Piping

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-23 05 23	General-Duty Valves for HVAC Piping
22-23 05 29	Hangers and Supports for HVAC Piping and Equipment
22-23 05 33	Heat Tracing for HVAC Piping
22-23 05 48	Vibration and Seismic Controls for HVAC
22-23 05 53	Identification for HVAC Piping and Equipment
22-23 05 63	Anti-Microbial Coatings for HVAC Ducts and Equipment
22-23 05 66	Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment
22-23 05 93	Testing, Adjusting, and Balancing for HVAC
22-23 07 00	HVAC Insulation
22-23 07 13	Duct Insulation
22-23 07 16	HVAC Equipment Insulation
22-23 07 19	HVAC Piping Insulation
22-23 08 00	Commissioning of HVAC
22-23 09 00	Instrumentation and Control for HVAC
22-23 09 13	Instrumentation and Control Devices for HVAC
22-23 09 13 13	Actuators and Operators
22-23 09 13 23	Sensors and Transmitters
22-23 09 13 33	Control Valves
22-23 09 13 43	Control Dampers
22-23 09 23	Direct-Digital Control System for HVAC
22-23 09 33	Electric and Electronic Control System for HVAC
22-23 09 43	Pneumatic Control System for HVAC
22-23 09 53	Pneumatic and Electric Control System for HVAC
22-23 09 93	Sequence of Operations for HVAC Controls
22-23 10 00	Facility Fuel Systems
22-23 11 00	Facility Fuel Piping
22-23 11 13	Facility Fuel-Oil Piping
22-23 11 16	Facility Gasoline Piping
22-23 11 23	Facility Natural-Gas Piping
22-23 11 26	Facility Liquefied-Petroleum Gas Piping
22-23 12 00	Facility Fuel Pumps
22-23 12 13	Facility Fuel-Oil Pumps
22-23 12 16	Facility Gasoline Dispensing Pumps
22-23 13 00	Facility Fuel-Storage Tanks
22-23 13 13	Facility Underground Fuel-Oil, Storage Tanks
22-23 13 13 13	Double-Wall Steel, Underground Fuel-Oil, Storage Tanks
22-23 13 13 16	Composite, Steel, Underground Fuel-Oil, Storage Tanks
22-23 13 13 19	Jacketed, Steel, Underground Fuel-Oil, Storage Tanks
22-23 13 13 23	Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks
22-23 13 13 33	Fuel-Oil Storage Tank Pumps
22-23 13 23	Facility Aboveground Fuel-Oil, Storage Tanks
22-23 13 23 13	Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks
22-23 13 23 16	Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks
22-23 13 23 19	Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-23 13 23 23	Insulated, Steel, Aboveground Fuel-Oil, Storage Tanks
22-23 13 23 26	Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks
22-23 20 00	HVAC Piping and Pumps
22-23 21 00	Hydronic Piping and Pumps
22-23 21 13	Hydronic Piping
22-23 21 13 13	Underground Hydronic Piping
22-23 21 13 23	Aboveground Hydronic Piping
22-23 21 13 33	Ground-Loop Heat-Pump Piping
22-23 21 16	Hydronic Piping Specialties
22-23 21 23	Hydronic Pumps
22-23 21 23 13	In-Line Centrifugal Hydronic Pumps
22-23 21 23 16	Base-Mounted, Centrifugal Hydronic Pumps
22-23 21 23 19	Vertical-Mounted, Double-Suction Centrifugal Hydronic Pumps
22-23 21 23 23	Vertical-Turbine Hydronic Pumps
22-23 21 29	Automatic Condensate Pump Units
22-23 22 00	Steam and Condensate Piping and Pumps
22-23 22 13	Steam and Condensate Heating Piping
22-23 22 13 13	Underground Steam and Condensate Heating Piping
22-23 22 13 23	Aboveground Steam and Condensate Heating Piping
22-23 22 16	Steam and Condensate Heating Piping Specialties
22-23 22 23	Steam Condensate Pumps
22-23 22 23 13	Electric-Driven Steam Condensate Pumps
22-23 22 23 23	Pressure-Powered Steam Condensate Pumps
22-23 23 00	Refrigerant Piping
22-23 23 13	Refrigerant Piping Valves
22-23 23 16	Refrigerant Piping Specialties
22-23 23 19	Refrigerant Safety Relief Valve Discharge Piping
22-23 23 23	Refrigerants
22-23 24 00	Internal-Combustion Engine Piping
22-23 24 13	Internal-Combustion Engine Remote-Radiator Coolant Piping
22-23 24 16	Internal-Combustion Engine Exhaust Piping
22-23 25 00	HVAC Water Treatment
22-23 25 13	Water Treatment for Closed-Loop Hydronic Systems
22-23 25 16	Water Treatment for Open Hydronic Systems
22-23 25 19	Water Treatment for Steam System Feedwater
22-23 25 23	Water Treatment for Humidification Steam System Feedwater
22-23 30 00	HVAC Air Distribution
22-23 31 00	HVAC Ducts and Casings
22-23 31 13	Metal Ducts
22-23 31 13 13	Rectangular Metal Ducts
22-23 31 13 16	Round and Flat-Oval Spiral Ducts
22-23 31 13 19	Metal Duct Fittings
22-23 31 16	Nonmetal Ducts
22-23 31 16 13	Fibrous-Glass Ducts

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-23 31 16 16	Thermoset Fiberglass-Reinforced Plastic Ducts
22-23 31 16 19	PVC Ducts
22-23 31 16 26	Concrete Ducts
22-23 31 19	HVAC Casings
22-23 32 00	Air Plenums and Chases
22-23 32 13	Fabricated, Metal Air Plenums
22-23 32 33	Air-Distribution Ceiling Plenums
22-23 32 36	Air-Distribution Floor Plenums
22-23 32 39	Air-Distribution Wall Plenums
22-23 32 43	Air-Distribution Chases Formed by General Construction
22-23 32 48	Acoustical Air Plenums
22-23 33 00	Air Duct Accessories
22-23 33 13	Dampers
22-23 33 13 13	Volume-Control Dampers
22-23 33 13 16	Fire Dampers
22-23 33 13 19	Smoke-Control Dampers
22-23 33 13 23	Backdraft Dampers
22-23 33 19	Duct Silencers
22-23 33 23	Turning Vanes
22-23 33 33	Duct-Mounting Access Doors
22-23 33 43	Flexible Connectors
22-23 33 46	Flexible Ducts
22-23 33 53	Duct Liners
22-23 34 00	HVAC Fans
22-23 34 13	Axial HVAC Fans
22-23 34 16	Centrifugal HVAC Fans
22-23 34 23	HVAC Power Ventilators
22-23 34 33	Air Curtains
22-23 35 00	Special Exhaust Systems
22-23 35 13	Dust Collection Systems
22-23 35 13 13	Sawdust Collection Systems
22-23 35 16	Engine Exhaust Systems
22-23 35 16 13	Positive-Pressure Engine Exhaust Systems
22-23 35 16 16	Mechanical Engine Exhaust Systems
22-23 36 00	Air Terminal Units
22-23 36 13	Constant-Air-Volume Units
22-23 36 16	Variable-Air-Volume Units
22-23 37 00	Air Outlets and Inlets
22-23 37 13	Diffusers, Registers, and Grilles
22-23 37 16	Fabric Air Distribution Devices
22-23 37 23	HVAC Gravity Ventilators
22-23 37 23 13	HVAC Gravity Dome Ventilators
22-23 37 23 16	HVAC Gravity Louvered-Penthouse Ventilators
22-23 37 23 19	HVAC Gravity Upblast Ventilators

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-23 38 00	Ventilation Hoods
22-23 38 13	Commercial-Kitchen Hoods
22-23 38 13 13	Listed Commercial-Kitchen Hoods
22-23 38 13 16	Standard Commercial-Kitchen Hoods
22-23 38 16	Fume Hoods
22-23 40 00	HVAC Air Cleaning Devices
22-23 41 00	Particulate Air Filtration
22-23 41 13	Panel Air Filters
22-23 41 16	Renewable-Media Air Filters
22-23 41 19	Washable Air Filters
22-23 41 23	Extended Surface Filters
22-23 41 33	High-Efficiency Particulate Filtration
22-23 41 43	Ultra-Low Penetration Filtration
22-23 41 46	Super Ultra-Low Penetration Filtration
22-23 42 00	Gas-Phase Air Filtration
22-23 42 13	Activated-Carbon Air Filtration
22-23 42 16	Chemically-Impregnated Adsorption Air Filtration
22-23 42 19	Catalytic-Adsorption Air Filtration
22-23 43 00	Electronic Air Cleaners
22-23 43 13	Washable Electronic Air Cleaners
22-23 43 16	Agglomerator Electronic Air Cleaners
22-23 43 23	Self-Contained Electronic Air Cleaners
22-23 50 00	Central Heating Equipment
22-23 51 00	Breechings, Chimneys, and Stacks
22-23 51 13	Draft Control Devices
22-23 51 13 13	Draft-Induction Fans
22-23 51 13 16	Vent Dampers
22-23 51 13 19	Barometric Dampers
22-23 51 16	Fabricated Breechings and Accessories
22-23 51 19	Fabricated Stacks
22-23 51 23	Gas Vents
22-23 51 33	Insulated Sectional Chimneys
22-23 51 43	Flue-Gas Filtration Equipment
22-23 51 43 13	Gaseous Filtration
22-23 51 43 16	Particulate Filtration
22-23 52 00	Heating Boilers
22-23 52 13	Electric Boilers
22-23 52 16	Condensing Boilers
22-23 52 16 13	Stainless-Steel Condensing Boilers
22-23 52 16 16	Aluminum Condensing Boilers
22-23 52 17	Low Mass Boilers
22-23 52 19	Pulse Combustion Boilers
22-23 52 23	Cast-Iron Boilers
22-23 52 33	Water-Tube Boilers

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-23 52 33 13	Finned Water-Tube Boilers
22-23 52 33 16	Steel Water-Tube Boilers
22-23 52 33 19	Copper Water-Tube Boilers
22-23 52 39	Fire-Tube Boilers
22-23 52 39 13	Scotch Marine Boilers
22-23 52 39 16	Steel Fire-Tube Boilers
22-23 52 83	Boiler Blowdown Systems
22-23 53 00	Heating Boiler Feedwater Equipment
22-23 53 13	Boiler Feedwater Pumps
22-23 53 16	Deaerators
22-23 54 00	Furnaces
22-23 54 13	Electric-Resistance Furnaces
22-23 54 16	Fuel-Fired Furnaces
22-23 54 16 13	Gas-Fired Furnaces
22-23 54 16 16	Oil-Fired Furnaces
22-23 55 00	Fuel-Fired Heaters
22-23 55 13	Fuel-Fired Duct Heaters
22-23 55 13 13	Oil-Fired Duct Heaters
22-23 55 13 16	Gas-Fired Duct Heaters
22-23 55 23	Gas-Fired Radiant Heaters
22-23 55 23 13	Low-Intensity Gas-Fired Radiant Heaters
22-23 55 23 16	High-Intensity Gas-Fired Radiant Heaters
22-23 55 33	Fuel-Fired Unit Heaters
22-23 55 33 13	Oil-Fired Unit Heaters
22-23 55 33 16	Gas-Fired Unit Heaters
22-23 56 00	Solar Energy Heating Equipment
22-23 56 13	Heating Solar Collectors
22-23 56 13 13	Heating Solar Flat-Plate Collectors
22-23 56 13 16	Heating Solar Concentrating Collectors
22-23 56 13 19	Heating Solar Vacuum-Tube Collectors
22-23 56 16	Packaged Solar Heating Equipment
22-23 56 23	Solar Air-Heating Panels
22-23 57 00	Heat Exchangers for HVAC
22-23 57 13	Steam-to-Steam Heat Exchangers
22-23 57 16	Steam-to-Water Heat Exchangers
22-23 57 19	Liquid-to-Liquid Heat Exchangers
22-23 57 19 13	Plate-Type, Liquid-to-Liquid Heat Exchangers
22-23 57 19 16	Shell-Type, Liquid-to-Liquid Heat Exchangers
22-23 57 33	Direct Geexchange Heat Exchangers
22-23 60 00	Central Cooling Equipment
22-23 61 00	Refrigerant Compressors
22-23 61 13	Centrifugal Refrigerant Compressors
22-23 61 13 13	Non-Condensable Gas Purge Equipment
22-23 61 16	Reciprocating Refrigerant Compressors



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-23 61 19	Scroll Refrigerant Compressors
22-23 61 23	Rotary-Screw Refrigerant Compressors
22-23 62 00	Packaged Compressor and Condenser Units
22-23 62 13	Packaged Air-Cooled Refrigerant Compressor and Condenser Units
22-23 62 23	Packaged Water-Cooled Refrigerant Compressor and Condenser Units
22-23 63 00	Refrigerant Condensers
22-23 63 13	Air-Cooled Refrigerant Condensers
22-23 63 23	Water-Cooled Refrigerant Condensers
22-23 63 33	Evaporative Refrigerant Condensers
22-23 64 00	Packaged Water Chillers
22-23 64 13	Absorption Water Chillers
22-23 64 13 13	Direct-Fired Absorption Water Chillers
22-23 64 13 16	Indirect-Fired Absorption Water Chillers
22-23 64 16	Centrifugal Water Chillers
22-23 64 16 13	Air-Cooled Centrifugal Water Chillers
22-23 64 16 16	Water-Cooled Centrifugal Water Chillers
22-23 64 19	Reciprocating Water Chillers
22-23 64 23	Scroll Water Chillers
22-23 64 26	Rotary-Screw Water Chillers
22-23 65 00	Cooling Towers
22-23 65 13	Forced-Draft Cooling Towers
22-23 65 13 13	Open-Circuit, Forced-Draft Cooling Towers
22-23 65 13 16	Closed-Circuit, Forced-Draft Cooling Towers
22-23 65 16	Natural-Draft Cooling Towers
22-23 65 23	Field-Erected Cooling Towers
22-23 65 33	Liquid Coolers
22-23 70 00	Central HVAC Equipment
22-23 71 00	Thermal Storage
22-23 71 13	Thermal Heat Storage
22-23 71 13 13	Room Storage Heaters for Thermal Storage
22-23 71 13 16	Heat-Pump Boosters for Thermal Storage
22-23 71 13 19	Central Furnace Heat-Storage Units
22-23 71 13 23	Pressurized-Water Thermal Storage Tanks
22-23 71 16	Chilled-Water Thermal Storage
22-23 71 19	Ice Storage
22-23 71 19 13	Internal Ice-on-Coil Thermal Storage
22-23 71 19 16	External Ice-on-Coil Thermal Storage
22-23 71 19 19	Encapsulated-Ice Thermal Storage
22-23 71 19 23	Ice-Harvesting Thermal Storage
22-23 71 19 26	Ice-Slurry Thermal Storage
22-23 72 00	Air-to-Air Energy Recovery Equipment
22-23 72 13	Heat-Wheel Air-to-Air Energy-Recovery Equipment
22-23 72 16	Heat-Pipe Air-to-Air Energy-Recovery Equipment
22-23 72 19	Fixed-Plate Air-to-Air Energy-Recovery Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-23 72 23	Packaged Air-to-Air Energy-Recovery Units
22-23 73 00	Indoor Central-Station Air-Handling Units
22-23 73 13	Modular Indoor Central-Station Air-Handling Units
22-23 73 23	Custom Indoor Central-Station Air-Handling Units
22-23 73 33	Indoor Indirect Fuel-Fired Heating and Ventilating Units
22-23 73 33 13	Indoor Indirect Oil-Fired Heating and Ventilating Units
22-23 73 33 16	Indoor Indirect Gas-Fired Heating and Ventilating Units
22-23 73 39	Indoor, Direct Gas-Fired Heating and Ventilating Units
22-23 74 00	Packaged Outdoor HVAC Equipment
22-23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units
22-23 74 23	Packaged, Outdoor, Heating-Only Makeup-Air Units
22-23 74 23 13	Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units
22-23 74 23 16	Packaged, Indirect-Fired, Outdoor, Heating-Only Makeup-Air Units
22-23 74 33	Dedicated Outdoor-Air Units
22-23 75 00	Custom-Packaged Outdoor HVAC Equipment
22-23 75 13	Custom-Packaged, Outdoor, Central-Station Air-Handling Units
22-23 75 23	Custom-Packaged, Outdoor, Heating and Ventilating Makeup-Air Units
22-23 75 33	Custom-Packaged, Outdoor, Heating and Cooling Makeup Air-Conditioners
22-23 76 00	Evaporative Air-Cooling Equipment
22-23 76 13	Direct Evaporative Air Coolers
22-23 76 16	Indirect Evaporative Air Coolers
22-23 76 19	Combined Direct and Indirect Evaporative Air Coolers
22-23 80 00	Decentralized HVAC Equipment
22-23 81 00	Decentralized Unitary HVAC Equipment
22-23 81 13	Packaged Terminal Air-Conditioners
22-23 81 16	Room Air-Conditioners
22-23 81 19	Self-Contained Air-Conditioners
22-23 81 19 13	Small-Capacity Self-Contained Air-Conditioners
22-23 81 19 16	Large-Capacity Self-Contained Air-Conditioners
22-23 81 23	Computer-Room Air-Conditioners
22-23 81 26	Split-System Air-Conditioners
22-23 81 26 13	Small-Capacity Split-System Air-Conditioners
22-23 81 26 16	Large-Capacity Split-System Air-Conditioners
22-23 81 29	Variable Refrigerant Flow HVAC Systems
22-23 81 43	Air-Source Unitary Heat Pumps
22-23 81 46	Water-Source Unitary Heat Pumps
22-23 82 00	Convection Heating and Cooling Units
22-23 82 13	Valance Heating and Cooling Units
22-23 82 14	Chilled Beams
22-23 82 16	Air Coils
22-23 82 19	Fan Coil Units
22-23 82 23	Unit Ventilators
22-23 82 26	Induction Units
22-23 82 29	Radiators

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-23 82 33	Convectors
22-23 82 36	Finned-Tube Radiation Heaters
22-23 82 39	Unit Heaters
22-23 82 39 13	Cabinet Unit Heaters
22-23 82 39 16	Propeller Unit Heaters
22-23 82 39 19	Wall and Ceiling Unit Heaters
22-23 82 41	Water-to-Water Heat Pumps
22-23 83 00	Radiant Heating Units
22-23 83 13	Radiant-Heating Electric Cables
22-23 83 13 16	Radiant-Heating Electric Mats
22-23 83 16	Radiant-Heating Hydronic Piping
22-23 83 23	Radiant-Heating Electric Panels
22-23 83 33	Electric Radiant Heaters
22-23 84 00	Humidity Control Equipment
22-23 84 13	Humidifiers
22-23 84 13 13	Heated-Pan Humidifiers
22-23 84 13 16	Wetted-Element Humidifiers
22-23 84 13 18	Atomizing Humidifiers
22-23 84 13 23	Direct-Steam-Injection Humidifiers
22-23 84 13 26	Jacketed, Steam Humidifiers
22-23 84 13 29	Self-Contained Steam Humidifiers
22-23 84 13 33	Portable Humidifiers
22-23 84 16	Mechanical Dehumidification Units
22-23 84 16 13	Outdoor, Mechanical Dehumidification Units
22-23 84 16 16	Indoor, Mechanical Dehumidification Units
22-23 84 16 19	Portable Dehumidifiers
22-23 84 19	Desiccant Dehumidification Units
22-25 00 00	<b>Integrated Automation</b>
22-25 01 00	Operation and Maintenance of Integrated Automation
22-25 01 10	Operation and Maintenance of Integrated Automation Network Equipment
22-25 01 20	Operation and Maintenance of Integrated Equipment
22-25 01 30	Operation and Maintenance of Integrated Automation Instrumentation and Terminal Devices
22-25 01 90	Diagnostic Systems for Integrated Automation
22-25 05 00	Common Work Results for Integrated Automation
22-25 05 13	Conductors and Cables for Integrated Automation
22-25 05 26	Grounding and Bonding for Integrated Automation
22-25 05 28	Pathways for Integrated Automation
22-25 05 28 29	Hangers and Supports for Integrated Automation
22-25 05 28 33	Conduits and Backboxes for Integrated Automation
22-25 05 28 36	Cable Trays for Integrated Automation
22-25 05 28 39	Surface Raceways for Integrated Automation
22-25 05 48	Vibration and Seismic Controls for Integrated Automation
22-25 05 53	Identification for Integrated Automation

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-25 08 00	Commissioning of Integrated Automation
22-25 10 00	Integrated Automation Network Equipment
22-25 11 00	Integrated Automation Network Devices
22-25 11 13	Integrated Automation Network Servers
22-25 11 16	Integrated Automation Network Routers, Bridges, Switches, Hubs, and Modems
22-25 11 19	Integrated Automation Network Operator Workstations
22-25 12 00	Integrated Automation Network Gateways
22-25 12 13	Hardwired Integration Network Gateways
22-25 12 16	Direct-Protocol Integration Network Gateways
22-25 12 19	Neutral-Protocol Integration Network Gateways
22-25 12 23	Client-Server Information/Database Integration Network Gateways
22-25 13 00	Integrated Automation Control and Monitoring Network
22-25 13 13	Integrated Automation Control and Monitoring Network Supervisory Control
22-25 13 16	Integrated Automation Control and Monitoring Network Integration Panels
22-25 13 19	Integrated Automation Control and Monitoring Network Interoperability
22-25 14 00	Integrated Automation Local Control Units
22-25 14 13	Integrated Automation Remote Control Panels
22-25 14 16	Integrated Automation Application-Specific Control Panels
22-25 14 19	Integrated Automation Terminal Control Units
22-25 14 23	Integrated Automation Field Equipment Panels
22-25 15 00	Integrated Automation Software
22-25 15 13	Integrated Automation Software for Network Gateways
22-25 15 16	Integrated Automation Software for Control and Monitoring Networks
22-25 15 19	Integrated Automation Software for Local Control Units
22-25 30 00	Integrated Automation Instrumentation and Terminal Devices
22-25 31 00	Integrated Automation Instrumentation and Terminal Devices for Facility Equipment
22-25 32 00	Integrated Automation Instrumentation and Terminal Devices for Conveying Equipment
22-25 33 00	Integrated Automation Instrumentation and Terminal Devices for Fire-Suppression Systems
22-25 34 00	Integrated Automation Instrumentation and Terminal Devices for Plumbing
22-25 35 00	Integrated Automation Instrumentation and Terminal Devices for HVAC
22-25 35 13	Integrated Automation Actuators and Operators
22-25 35 16	Integrated Automation Sensors and Transmitters
22-25 35 19	Integrated Automation Control Valves
22-25 35 23	Integrated Automation Control Dampers
22-25 35 26	Integrated Automation Compressed Air Supply
22-25 36 00	Integrated Automation Instrumentation and Terminal Devices for Electrical Systems
22-25 36 13	Integrated Automation Power Meters
22-25 36 16	Integrated Automation KW Transducers
22-25 36 19	Integrated Automation Current Sensors
22-25 36 23	Integrated Automation Battery Monitors
22-25 36 26	Integrated Automation Lighting Relays

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-25 36 29	Integrated Automation UPS Monitors
22-25 37 00	Integrated Automation Instrumentation and Terminal Devices for Communications Systems
22-25 38 00	Integrated Automation Instrumentation and Terminal Devices for Electronic Safety and Security Systems
22-25 50 00	Integrated Automation Facility Controls
22-25 51 00	Integrated Automation Control of Facility Equipment
22-25 52 00	Integrated Automation Control of Conveying Equipment
22-25 53 00	Integrated Automation Control of Fire-Suppression Systems
22-25 54 00	Integrated Automation Control of Plumbing
22-25 55 00	Integrated Automation Control of HVAC
22-25 56 00	Integrated Automation Control of Electrical Systems
22-25 57 00	Integrated Automation Control of Communications Systems
22-25 58 00	Integrated Automation Control of Electronic Safety and Security Systems
22-25 90 00	Integrated Automation Control Sequences
22-25 91 00	Integrated Automation Control Sequences for Facility Equipment
22-25 92 00	Integrated Automation Control Sequences for Conveying Equipment
22-25 93 00	Integrated Automation Control Sequences for Fire-Suppression Systems
22-25 94 00	Integrated Automation Control Sequences for Plumbing
22-25 95 00	Integrated Automation Control Sequences for HVAC
22-25 96 00	Integrated Automation Control Sequences for Electrical Systems
22-25 97 00	Integrated Automation Control Sequences for Communications Systems
22-25 98 00	Integrated Automation Control Sequences for Electronic Safety and Security Systems
22-26 00 00	<b>Electrical</b>
22-26 01 00	Operation and Maintenance of Electrical Systems
22-26 01 10	Operation and Maintenance of Medium-Voltage Electrical Distribution
22-26 01 20	Operation and Maintenance of Low-Voltage Electrical Distribution
22-26 01 26	Maintenance Testing of Electrical Systems
22-26 01 30	Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment
22-26 01 40	Operation and Maintenance of Electrical and Cathodic Protection Systems
22-26 01 50	Operation and Maintenance of Lighting
22-26 01 50 51	Luminaire Relamping
22-26 01 50 81	Luminaire Replacement
22-26 05 00	Common Work Results for Electrical
22-26 05 13	Medium-Voltage Cables
22-26 05 13 13	Medium-Voltage Open Conductors
22-26 05 13 16	Medium-Voltage, Single- and Multi-Conductor Cables
22-26 05 19	Low-Voltage Electrical Power Conductors and Cables
22-26 05 19 13	Undercarpet Electrical Power Cables
22-26 05 19 23	Manufactured Wiring Assemblies
22-26 05 23	Control-Voltage Electrical Power Cables
22-26 05 26	Grounding and Bonding for Electrical Systems

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-26 05 29	Hangers and Supports for Electrical Systems
22-26 05 33	Raceway and Boxes for Electrical Systems
22-26 05 33 13	Conduit for Electrical Systems
22-26 05 33 16	Boxes for Electrical Systems
22-26 05 33 23	Surface raceways for Electrical Systems
22-26 05 36	Cable Trays for Electrical Systems
22-26 05 39	Underfloor Raceways for Electrical Systems
22-26 05 43	Underground Ducts and Raceways for Electrical Systems
22-26 05 46	Utility Poles for Electrical Systems
22-26 05 48	Vibration and Seismic Controls for Electrical Systems
22-26 05 53	Identification for Electrical Systems
22-26 05 73	Overcurrent Protective Device Coordination Study
22-26 05 83	Wiring Connections
22-26 08 00	Commissioning of Electrical Systems
22-26 09 00	Instrumentation and Control for Electrical Systems
22-26 09 13	Electrical Power Monitoring
22-26 09 15	Peak Load Controllers
22-26 09 16	Electrical Controls and Relays
22-26 09 17	Programmable Controllers
22-26 09 19	Enclosed Contactors
22-26 09 23	Lighting Control Devices
22-26 09 26	Lighting Control Panelboards
22-26 09 33	Central Dimming Controls
22-26 09 33 13	Multichannel Remote-Controlled Dimmers
22-26 09 33 16	Remote-Controlled Dimming Stations
22-26 09 36	Modular Dimming Controls
22-26 09 36 13	Manual Modular Dimming Controls
22-26 09 36 16	Integrated Multipreset Modular Dimming Controls
22-26 09 43	Network Lighting Controls
22-26 09 43 13	Digital-Network Lighting Controls
22-26 09 43 16	Addressable Fixture Lighting Control
22-26 09 43 19	Wireless Network Lighting Controls
22-26 09 61	Theatrical Lighting Controls
22-26 10 00	Medium-Voltage Electrical Distribution
22-26 11 00	Substations
22-26 11 13	Primary Unit Substations
22-26 11 16	Secondary Unit Substations
22-26 12 00	Medium-Voltage Transformers
22-26 12 13	Liquid-Filled, Medium-Voltage Transformers
22-26 12 16	Dry-Type, Medium-Voltage Transformers
22-26 12 19	Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers
22-26 13 00	Medium-Voltage Switchgear
22-26 13 13	Medium-Voltage Circuit Breaker Switchgear
22-26 13 16	Medium-Voltage Fusible Interrupter Switchgear

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-26 13 19	Medium-Voltage Vacuum Interrupter Switchgear
22-26 13 23	Medium-Voltage Metal-Enclosed Switchgear
22-26 13 26	Medium-Voltage Metal-Clad Switchgear
22-26 13 29	Medium-Voltage Compartmentalized Switchgear
22-26 16 00	Medium-Voltage Metering
22-26 18 00	Medium-Voltage Circuit Protection Devices
22-26 18 13	Medium-Voltage Cutouts
22-26 18 16	Medium-Voltage Fuses
22-26 18 19	Medium-Voltage Lightning Arresters
22-26 18 23	Medium-Voltage Surge Arresters
22-26 18 26	Medium-Voltage Reclosers
22-26 18 29	Medium-Voltage Enclosed Bus
22-26 18 33	Medium-Voltage Enclosed Fuse Cutouts
22-26 18 36	Medium-Voltage Enclosed Fuses
22-26 18 39	Medium-Voltage Motor Controllers
22-26 20 00	Low-Voltage Electrical Transmission
22-26 21 00	Low-Voltage Electrical Service Entrance
22-26 21 13	Low-Voltage Overhead Electrical Service Entrance
22-26 21 16	Low-Voltage Underground Electrical Service Entrance
22-26 22 00	Low-Voltage Transformers
22-26 22 13	Low-Voltage Distribution Transformers
22-26 22 16	Low-Voltage Buck-Boost Transformers
22-26 22 19	Control and Signal Transformers
22-26 23 00	Low-Voltage Switchgear
22-26 23 13	Paralleling Low-Voltage Switchgear
22-26 24 00	Switchboards and Panelboards
22-26 24 13	Switchboards
22-26 24 16	Panelboards
22-26 24 19	Motor-Control Centers
22-26 25 00	Enclosed Bus Assemblies
22-26 26 00	Power Distribution Units
22-26 27 00	Low-Voltage Distribution Equipment
22-26 27 13	Electricity Metering
22-26 27 16	Electrical Cabinets and Enclosures
22-26 27 19	Multi-Outlet Assemblies
22-26 27 23	Indoor Service Poles
22-26 27 26	Wiring Devices
22-26 27 73	Door Chimes
22-26 28 00	Low-Voltage Circuit Protective Devices
22-26 28 13	Fuses
22-26 28 16	Enclosed Switches and Circuit Breakers
22-26 28 16 13	Enclosed Circuit Breakers
22-26 28 16 16	Enclosed Switches
22-26 29 00	Low-Voltage Controllers

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-26 29 13	Enclosed Controllers
22-26 29 13 13	Across-the-Line Motor Controllers
22-26 29 13 16	Reduced-Voltage Motor Controllers
22-26 29 23	Variable-Frequency Motor Controllers
22-26 29 33	Controllers for Fire Pump Drivers
22-26 29 33 13	Full-Service Controllers for Fire Pump Electric-Motor Drivers
22-26 29 33 16	Limited-Service Controllers for Fire Pump Electric-Motor Drivers
22-26 29 33 19	Controllers for Fire Pump Diesel Engine Drivers
22-26 30 00	Facility Electrical Power Generating and Storing Equipment
22-26 31 00	Photovoltaic Collectors
22-26 32 00	Packaged Generator Assemblies
22-26 32 13	Engine Generators
22-26 32 13 13	Diesel-Engine-Driven Generator Sets
22-26 32 13 16	Gas-Engine-Driven Generator Sets
22-26 32 13 26	Gas-Turbine Engine-Driven Generators
22-26 32 16	Steam-Turbine Generators
22-26 32 19	Hydro-Turbine Generators
22-26 32 23	Wind Energy Equipment
22-26 32 26	Frequency Changers
22-26 32 29	Rotary Converters
22-26 32 33	Rotary Uninterruptible Power Units
22-26 32 36	Resistive Load Banks
22-26 33 00	Battery Equipment
22-26 33 13	Batteries
22-26 33 16	Battery Racks
22-26 33 19	Battery Units
22-26 33 23	Central Battery Equipment
22-26 33 33	Static Power Converters
22-26 33 43	Battery Chargers
22-26 33 46	Battery Monitoring
22-26 33 53	Static Uninterruptible Power Supply
22-26 35 00	Power Filters and Conditioners
22-26 35 13	Capacitors
22-26 35 16	Chokes and Inductors
22-26 35 23	Electromagnetic-Interference Filters
22-26 35 26	Harmonic Filters
22-26 35 33	Power Factor Correction Equipment
22-26 35 36	Slip Controllers
22-26 35 43	Static-Frequency Converters
22-26 35 46	Radio-Frequency-Interference Filters
22-26 35 53	Voltage Regulators
22-26 36 00	Transfer Switches
22-26 36 13	Manual Transfer Switches
22-26 36 23	Automatic Transfer Switches



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-26 40 00	Electrical and Cathodic Protection
22-26 41 00	Facility Lightning Protection
22-26 41 13	Lightning Protection for Structures
22-26 41 13 13	Lightning Protection for Buildings
22-26 41 16	Lightning Prevention and Dissipation
22-26 41 19	Early Streamer Emission Lightning Protection
22-26 41 23	Lightning Protection Surge Arresters and Suppressors
22-26 42 00	Cathodic Protection
22-26 42 13	Passive Cathodic Protection for Underground and Submerged Piping
22-26 42 16	Passive Cathodic Protection for Underground Storage Tank
22-26 43 00	Surge Protective Devices
22-26 43 13	Surge Protective Devices for Low-Voltage Electrical Power Circuits
22-26 50 00	Lighting
22-26 51 00	Interior Lighting
22-26 51 13	Interior Lighting Fixtures, Lamps, And Ballasts
22-26 52 00	Emergency Lighting
22-26 53 00	Exit Signs
22-26 54 00	Classified Location Lighting
22-26 55 00	Special Purpose Lighting
22-26 55 23	Outline Lighting
22-26 55 29	Underwater Lighting
22-26 55 33	Hazard Warning Lighting
22-26 55 36	Obstruction Lighting
22-26 55 39	Helipad Lighting
22-26 55 53	Security Lighting
22-26 55 59	Display Lighting
22-26 55 61	Theatrical Lighting
22-26 55 63	Detention Lighting
22-26 55 70	Healthcare Lighting
22-26 55 83	Broadcast Lighting
22-26 56 00	Exterior Lighting
22-26 56 13	Lighting Poles and Standards
22-26 56 16	Parking Lighting
22-26 56 19	Roadway Lighting
22-26 56 23	Area Lighting
22-26 56 26	Landscape Lighting
22-26 56 29	Site Lighting
22-26 56 33	Walkway Lighting
22-26 56 36	Flood Lighting
22-26 56 68	Exterior Athletic Lighting
22-27 00 00	<b>Communications</b>
22-27 01 00	Operation and Maintenance of Communications Systems
22-27 01 10	Operation and Maintenance of Structured Cabling and Enclosures
22-27 01 20	Operation and Maintenance of Data Communications

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-27 01 30	Operation and Maintenance of Voice Communications
22-27 01 40	Operation and Maintenance of Audio-Video Communications
22-27 01 50	Operation and Maintenance of Distributed Communications and Monitoring
22-27 05 00	Common Work Results for Communications
22-27 05 13	Communications Services
22-27 05 13 13	Dialtone Services
22-27 05 13 23	T1 Services
22-27 05 13 33	DSL Services
22-27 05 13 43	Cable Services
22-27 05 13 53	Satellite Services
22-27 05 26	Grounding and Bonding for Communications Systems
22-27 05 28	Pathways for Communications Systems
22-27 05 29	Hangers and Supports for Communications Systems
22-27 05 33	Conduits and Backboxes for Communications Systems
22-27 05 36	Cable Trays for Communications Systems
22-27 05 39	Surface Raceways for Communications Systems
22-27 05 43	Underground Ducts and Raceways for Communications Systems
22-27 05 46	Utility Poles for Communications Systems
22-27 05 48	Vibration and Seismic Controls for Communications Systems
22-27 05 53	Identification for Communications Systems
22-27 08 00	Commissioning of Communications
22-27 10 00	Structured Cabling
22-27 11 00	Communications Equipment Room Fittings
22-27 11 13	Communications Entrance Protection
22-27 11 16	Communications Cabinets, Racks, Frames and Enclosures
22-27 11 19	Communications Termination Blocks and Patch Panels
22-27 11 23	Communications Cable Management and Ladder Rack
22-27 11 26	Communications Rack Mounted Power Protection and Power Strips
22-27 13 00	Communications Backbone Cabling
22-27 13 13	Communications Copper Backbone Cabling
22-27 13 13 13	Communications Copper Cable Splicing and Terminations
22-27 13 23	Communications Optical Fiber Backbone Cabling
22-27 13 23 13	Communications Optical Fiber Splicing and Terminations
22-27 13 33	Communications Coaxial Backbone Cabling
22-27 13 33 13	Communications Coaxial Splicing and Terminations
22-27 13 43	Communications Services Cabling
22-27 13 43 13	Dialtone Services Cabling
22-27 13 43 23	T1 Services Cabling
22-27 13 43 33	DSL Services Cabling
22-27 13 43 43	Cable Services Cabling
22-27 13 43 53	Satellite Services Cabling
22-27 15 00	Communications Horizontal Cabling
22-27 15 01	Communications Horizontal Cabling Applications
22-27 15 01 16	Voice Communications Horizontal Cabling

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-27 15 01 19	Data Communications Horizontal Cabling
22-27 15 01 23	Audio-Video Communications Horizontal Cabling
22-27 15 01 39	Patient Monitoring and Telemetry Communications Horizontal Cabling
22-27 15 01 43	Nurse Call and Intercom Communications Horizontal Cabling
22-27 15 01 46	Paging Communications Horizontal Cabling
22-27 15 01 49	Intermediate Frequency/Radio Frequency Communications Horizontal Cabling
22-27 15 01 53	Antennas Communications Horizontal Cabling
22-27 15 13	Communications Copper Horizontal Cabling
22-27 15 23	Communications Optical Fiber Horizontal Cabling
22-27 15 33	Communications Coaxial Horizontal Cabling
22-27 15 43	Communications Faceplates and Connectors
22-27 16 00	Communications Connecting Cords, Devices and Adapters
22-27 16 13	Communications Custom Cable Assemblies
22-27 16 16	Communications Media Converters, Adapters, and Transceivers
22-27 16 19	Communications Patch Cords, Station Cords, and Cross Connect Wire
22-27 20 00	Data Communications
22-27 21 00	Data Communications Network Equipment
22-27 21 13	Data Communications Firewalls
22-27 21 16	Data Communications Routers, CSU/DSU, Multiplexers, Codec's, and Modems
22-27 21 26	Data Communications Network Management
22-27 21 29	Data Communications Switches and Hubs
22-27 21 33	Data Communications Wireless Access Points
22-27 22 00	Data Communications Hardware
22-27 22 13	Data Communications Mainframes
22-27 22 16	Data Communications Storage and Backup
22-27 22 19	Data Communications Servers
22-27 22 23	Data Communications Desktops
22-27 22 26	Data Communications Laptops
22-27 22 29	Data Communications Handhelds
22-27 24 00	Data Communications Peripheral Data Equipment
22-27 24 13	Printers
22-27 24 16	Scanners
22-27 24 19	External Drives
22-27 24 23	Audio-Video Devices
22-27 24 26	Virtual Reality Equipment
22-27 24 29	Disaster Recovery Equipment
22-27 25 00	Data Communications Software
22-27 25 13	Virus Protection Software
22-27 25 16	Application Suites
22-27 25 19	Email Software
22-27 25 23	Graphics/Multimedia Software
22-27 25 26	Customer Relationship Management Software
22-27 25 29	Operating System Software
22-27 25 33	Database Software

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-27 25 37	Virtual Private Network Software
22-27 25 39	Internet Conferencing Software
22-27 26 00	Data Communications Programming and Integration Services
22-27 26 13	Web Development
22-27 26 16	Database Development
22-27 26 19	Application Development
22-27 26 23	Network Integration Requirements
22-27 26 26	Data Communications Integration Requirements
22-27 30 00	Voice Communications
22-27 31 00	Voice Communications Switching and Routing Equipment
22-27 31 13	PBX/ Key Systems
22-27 31 23	Internet Protocol Voice Switches
22-27 32 00	Voice Communications Terminal Equipment
22-27 32 13	Telephone Sets
22-27 32 16	Wireless Transceivers
22-27 32 23	Elevator Telephones
22-27 32 26	Ring-Down Emergency Telephones
22-27 32 29	Facsimiles and Modems
22-27 32 36	TTY Equipment
22-27 32 43	Radio Communications Equipment
22-27 33 00	Voice Communications Messaging
22-27 33 16	Voice Mail and Auto Attendant
22-27 33 23	Interactive Voice Response
22-27 33 26	Facsimile Servers
22-27 34 00	Call Accounting
22-27 34 13	Toll Fraud Equipment and Software
22-27 34 16	Telemanagement Software
22-27 35 00	Call Management
22-27 35 13	Digital Voice Announcers
22-27 35 16	Automatic Call Distributors
22-27 35 19	Call Status and Management Displays
22-27 35 23	Dedicated 911 Systems
22-27 40 00	Audio-Video Communications
22-27 41 00	Audio-Video Systems
22-27 41 13	Architecturally Integrated Audio-Video Equipment
22-27 41 16	Integrated Audio-Video Systems and Equipment
22-27 41 16 25	Integrated Audio-Video Systems and Equipment for Restaurants and Bars
22-27 41 16 28	Integrated Audio-Video Systems and Equipment for Conference Rooms
22-27 41 16 29	Integrated Audio-Video Systems and Equipment for Board Rooms
22-27 41 16 51	Integrated Audio-Video Systems and Equipment for Classrooms
22-27 41 16 52	Integrated Audio-Video Systems and Equipment for Religious Facilities
22-27 41 16 61	Integrated Audio-Video Systems and Equipment for Theaters
22-27 41 16 62	Integrated Audio-Video Systems and Equipment for Auditoriums
22-27 41 16 63	Integrated Audio-Video Systems and Equipment for Stadiums and Arenas

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-27 41 19	Portable Audio-Video Equipment
22-27 41 23	Audio-Video Accessories
22-27 41 33	Master Antenna Television Systems
22-27 41 43	Audio-Video Conferencing
22-27 42 00	Electronic Digital Systems
22-27 42 13	Point of Sale Systems
22-27 42 16	Transportation Information Display Systems
22-27 42 19	Public Information Systems
22-27 50 00	Distributed Communications and Monitoring Systems
22-27 51 00	Distributed Audio-Video Communications Systems
22-27 51 13	Paging Systems
22-27 51 13 13	Overhead Paging Systems
22-27 51 16	Public Address Systems
22-27 51 19	Sound Masking Systems
22-27 51 23	Intercommunications and Program Systems
22-27 51 23 20	Commercial Intercommunications and Program Systems
22-27 51 23 30	Residential Intercommunications and Program Systems
22-27 51 23 50	Educational Intercommunications and Program Systems
22-27 51 23 63	Detention Intercommunications and Program Systems
22-27 51 23 70	Healthcare Intercommunications and Program Systems
22-27 51 26	Assistive Listening Systems
22-27 52 00	Healthcare Communications and Monitoring Systems
22-27 52 13	Patient Monitoring and Telemetry Systems
22-27 52 16	Telemedicine Systems
22-27 52 19	Healthcare Imaging Systems
22-27 52 23	Nurse Call/Code Blue Systems
22-27 53 00	Distributed Systems
22-27 53 13	Clock Systems
22-27 53 13 13	Wireless Clock Systems
22-27 53 16	Infrared and Radio Frequency Tracking Systems
22-27 53 19	Internal Cellular, Paging, and Antenna Systems
22-28 00 00	<b>Electronic Safety and Security</b>
22-28 01 00	Operation and Maintenance of Electronic Safety and Security
22-28 01 10	Operation and Maintenance of Electronic Access Control and Intrusion Detection
22-28 01 10 51	Maintenance and Administration of Electronic Access Control and Intrusion Detection
22-28 01 10 71	Revisions and Upgrades of Electronic Access Control and Intrusion Detection
22-28 01 20	Operation and Maintenance of Electronic Surveillance
22-28 01 30	Operation and Maintenance of Electronic Detection and Alarm
22-28 01 30 51	Maintenance and Administration of Electronic Detection and Alarm
22-28 01 30 71	Revisions and Upgrades of Electronic Detection and Alarm
22-28 01 40	Operation and Maintenance of Electronic Monitoring and Control
22-28 01 40 51	Maintenance and Administration of Electronic Monitoring and Control
22-28 01 40 71	Revisions and Upgrades of Electronic Monitoring and Control

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-28 05 00	Common Work Results for Electronic Safety and Security
22-28 05 13	Conductors and Cables for Electronic Safety and Security
22-28 05 13 13	CCTV Communications Conductors and Cables
22-28 05 13 16	Access Control Communications Conductors and Cables
22-28 05 13 19	Intrusion Detection Communications Conductors and Cables
22-28 05 13 23	Fire Alarm Communications Conductors and Cables
22-28 05 26	Grounding and Bonding for Electronic Safety and Security
22-28 05 28	Pathways for Electronic Safety and Security
22-28 05 28 29	Hangers and Supports for Electronic Safety and Security
22-28 05 28 33	Conduits and Backboxes for Electronic Safety and Security
22-28 05 28 36	Cable Trays for Electronic Safety and Security
22-28 05 28 39	Surface Raceways for Electronic Safety and Security
22-28 05 48	Vibration and Seismic Controls for Electronic Safety and Security
22-28 05 53	Identification for Electronic Safety and Security
22-28 08 00	Commissioning of Electronic Safety and Security
22-28 10 00	Electronic Access Control and Intrusion Detection
22-28 13 00	Access Control
22-28 13 13	Access Control Global Applications
22-28 13 16	Access Control Systems and Database Management
22-28 13 19	Access Control Systems Infrastructure
22-28 13 26	Access Control Remote Devices
22-28 13 26 11	Wireless Access Control Devices
22-28 13 33	Access Control Interfaces
22-28 13 33 16	Access Control Interfaces to Access Control Hardware
22-28 13 33 26	Access Control Interfaces to Intrusion Detection
22-28 13 33 33	Access Control Interfaces to Video Surveillance
22-28 13 33 36	Access Control Interfaces to Fire Alarm
22-28 13 43	Access Control Identification Management Systems
22-28 13 53	Security Access Detection
22-28 13 53 13	Security Access Metal Detectors
22-28 13 53 16	Security Access X-Ray Equipment
22-28 13 53 23	Security Access Explosive Detection Equipment
22-28 13 53 29	Security Access Sniffing Equipment
22-28 13 63	Access Control Vehicle Identification System
22-28 16 00	Intrusion Detection
22-28 16 13	Intrusion Detection Control, GUI, and Logic Systems
22-28 16 16	Intrusion Detection Systems Infrastructure
22-28 16 19	Intrusion Detection Remote Devices and Sensors
22-28 16 33	Intrusion Detection Interfaces
22-28 16 33 13	Intrusion Detection Interfaces to Remote Monitoring
22-28 16 33 16	Intrusion Detection Interfaces to Access Control Hardware
22-28 16 33 23	Intrusion Detection Interfaces to Access Control System
22-28 16 33 33	Intrusion Detection Interfaces to Video Surveillance
22-28 16 33 36	Intrusion Detection Interfaces to Fire Alarm

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-28 16 43	Perimeter Security Systems
22-28 20 00	Electronic Surveillance
22-28 23 00	Video Surveillance
22-28 23 13	Video Surveillance Control and Management Systems
22-28 23 16	Video Surveillance Monitoring and Supervisory Interfaces
22-28 23 19	Digital Video Recorders and Analog Recording Devices
22-28 23 23	Video Surveillance Systems Infrastructure
22-28 23 26	Video Surveillance Remote Positioning Equipment
22-28 23 29	Video Surveillance Remote Devices and Sensors
22-28 26 00	Electronic Personal Protection Systems
22-28 26 13	Electronic Personal Safety Detection Systems
22-28 26 16	Electronic Personal Safety Alarm Annunciation and Control Systems
22-28 26 19	Electronic Personal Safety Interfaces to Remote Monitoring
22-28 26 23	Electronic Personal Safety Emergency Aid Devices
22-28 30 00	Electronic Detection and Alarm
22-28 31 00	Fire Detection and Alarm
22-28 31 11	Digital, Addressable Fire-Alarm Systems
22-28 31 12	Zoned (DC Loop) Fire-Alarm Systems
22-28 31 13	Fire Detection and Alarm Control, GUI, and Logic Systems
22-28 31 23	Fire Detection and Alarm Annunciation Panels and Fire Stations
22-28 31 33	Fire Detection and Alarm Interfaces
22-28 31 33 13	Fire Detection and Alarm Interfaces to Remote Monitoring
22-28 31 33 16	Fire Detection and Alarm Interfaces to Access Control Hardware
22-28 31 33 23	Fire Detection and Alarm Interfaces to Access Control System
22-28 31 33 26	Fire Detection and Alarm Interfaces to Intrusion Detection
22-28 31 33 33	Fire Detection and Alarm Interfaces to Video Surveillance
22-28 31 33 43	Fire Detection and Alarm Interfaces to Elevator Control
22-28 31 43	Fire Detection Sensors
22-28 31 46	Smoke Detection Sensors
22-28 31 49	Carbon-Monoxide Detection Sensors
22-28 31 53	Fire Alarm Initiating Devices
22-28 31 53 13	Fire Alarm Pull Stations
22-28 31 53 23	Fire Alarm Level Detectors Switches
22-28 31 53 33	Fire Alarm Flow Switches
22-28 31 53 43	Fire Alarm Pressure Sensors
22-28 31 63	Fire Alarm Integrated Audio Visual Evacuation Systems
22-28 31 63 13	Fire Alarm Horns and Strobes
22-28 32 00	Radiation Detection and Alarm
22-28 32 13	Radiation Detection and Alarm Control, GUI, and Logic Systems
22-28 32 23	Radiation Detection and Alarm Integrated Audio Evacuation Systems
22-28 32 33	Radiation Detection Sensors
22-28 32 43	Radiation Dosimeters
22-28 33 00	Gas Detection and Alarm
22-28 33 13	Gas Detection and Alarm Control, GUI, and Logic Systems

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-28 33 23	Gas Detection and Alarm Integrated Audio Evacuation Systems
22-28 33 33	Gas Detection Sensors
22-28 34 00	Fuel-Oil Detection and Alarm
22-28 34 13	Fuel-Oil Detection and Alarm Control, GUI, and Logic Systems
22-28 34 23	Fuel-Oil Detection and Alarm Integrated Audio Evacuation Systems
22-28 34 33	Fuel-Oil Detection Sensors
22-28 35 00	Refrigerant Detection and Alarm
22-28 35 13	Refrigerant Detection and Alarm Control, GUI, and Logic Systems
22-28 35 23	Refrigerant Detection and Alarm Integrated Audio Evacuation Systems
22-28 35 33	Refrigerant Detection Sensors
22-28 36 00	Water Detection and Alarm
22-28 36 13	Water Detection and Alarm Control, GUI, and Logic Systems
22-28 36 33	Water Detection Sensors
22-28 36 43	Building Envelope Water Detection and Alarm
22-28 39 00	Mass Notification Systems
22-28 40 00	Electronic Monitoring and Control
22-28 41 00	Electronic Structural Monitoring Systems
22-28 46 00	Electronic Detention Monitoring and Control Systems
22-28 46 13	Hard-Wired Detention Monitoring and Control Systems
22-28 46 16	Relay-Logic Detention Monitoring and Control Systems
22-28 46 19	PLC Electronic Detention Monitoring and Control Systems
22-28 46 23	Computer-Based Detention Monitoring and Control Systems
22-28 46 26	Discreet-Logic Detention Monitoring and Control Systems
22-28 46 29	Discreet-Distributed Intelligence Detention Monitoring and Control Systems
22-31 00 00	<b>Earthwork</b>
22-31 01 00	Maintenance of Earthwork
22-31 01 10	Maintenance of Clearing
22-31 01 20	Maintenance of Earth Moving
22-31 01 40	Maintenance of Shoring and Underpinning
22-31 01 50	Maintenance of Excavation Support and Protection
22-31 01 60	Maintenance of Special Foundations and Load Bearing Elements
22-31 01 62	Maintenance of Driven Piles
22-31 01 62 61	Driven Pile Repairs
22-31 01 63	Maintenance of Bored and Augered Piles
22-31 01 63 61	Bored and Augered Pile Repairs
22-31 01 70	Maintenance of Tunneling and Mining
22-31 01 70 61	Tunnel Leak Repairs
22-31 05 00	Common Work Results for Earthwork
22-31 05 13	Soils for Earthwork
22-31 05 16	Aggregates for Earthwork
22-31 05 19	Geosynthetics for Earthwork
22-31 05 19 13	Geotextiles for Earthwork
22-31 05 19 16	Geomembranes for Earthwork
22-31 05 19 19	Geogrids for Earthwork



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-31 05 19 23	Geosynthetic Clay Liners
22-31 05 19 26	Geocomposites
22-31 05 19 29	Geonets
22-31 05 23	Cement and Concrete for Earthwork
22-31 08 00	Commissioning of Earthwork
22-31 08 13	Pile Load Testing
22-31 08 13 13	Dynamic Pile Load Testing
22-31 08 13 16	Static Pile Load Testing
22-31 09 00	Geotechnical Instrumentation and Monitoring of Earthwork
22-31 09 13	Geotechnical Instrumentation and Monitoring
22-31 09 13 13	Groundwater Monitoring During Construction
22-31 09 16	Foundation Performance Instrumentation
22-31 09 16 26	Bored and Augered Pile Load Tests
22-31 10 00	Site Clearing
22-31 11 00	Clearing and Grubbing
22-31 12 00	Selective Clearing
22-31 13 00	Selective Tree and Shrub Removal and Trimming
22-31 13 13	Selective Tree and Shrub Removal
22-31 13 16	Selective Tree and Shrub Trimming
22-31 14 00	Earth Stripping and Stockpiling
22-31 14 13	Soil Stripping and Stockpiling
22-31 14 13 13	Soil Stripping
22-31 14 13 16	Soil Stockpiling
22-31 14 13 23	Topsoil Stripping and Stockpiling
22-31 14 16	Sod Stripping and Stockpiling
22-31 14 16 13	Sod Stripping
22-31 14 16 16	Sod Stockpiling
22-31 20 00	Earth Moving
22-31 21 00	Off-Gassing Mitigation
22-31 21 13	Radon Mitigation
22-31 21 13 13	Radon Venting
22-31 21 16	Methane Mitigation
22-31 21 16 13	Methane Venting
22-31 22 00	Grading
22-31 22 13	Rough Grading
22-31 22 16	Fine Grading
22-31 22 16 13	Roadway Subgrade Reshaping
22-31 22 19	Finish Grading
22-31 22 19 13	Spreading and Grading Topsoil
22-31 23 00	Excavation and Fill
22-31 23 13	Subgrade Preparation
22-31 23 16	Excavation
22-31 23 16 13	Trenching
22-31 23 16 16	Structural Excavation for Minor Structures

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-31 23 16 26	Rock Removal
22-31 23 19	Dewatering
22-31 23 23	Fill
22-31 23 23 13	Backfill
22-31 23 23 23	Compaction
22-31 23 23 33	Flowable Fill
22-31 23 23 43	Geofoam
22-31 23 33	Trenching and Backfilling
22-31 24 00	Embankments
22-31 24 13	Roadway Embankments
22-31 24 16	Railway Embankments
22-31 25 00	Erosion and Sedimentation Controls
22-31 25 14	Stabilization Measures for Erosion and Sedimentation Control
22-31 25 14 13	Hydraulically-Applied Erosion Control
22-31 25 14 16	Rolled Erosion Control Mats and Blankets
22-31 25 24	Structural Measures for Erosion and Sedimentation Control
22-31 25 24 13	Rock Barriers
22-31 25 34	Retention Measures for Erosion and Sedimentation Controls
22-31 25 34 13	Rock Basins
22-31 30 00	Earthwork Methods
22-31 31 00	Soil Treatment
22-31 31 13	Rodent Control
22-31 31 13 16	Rodent Control Bait Systems
22-31 31 13 19	Rodent Control Traps
22-31 31 13 23	Rodent Control Electronic Systems
22-31 31 13 26	Rodent Control Repellants
22-31 31 16	Termite Control
22-31 31 16 13	Chemical Termite Control
22-31 31 16 16	Termite Control Bait Systems
22-31 31 16 19	Termite Control Barriers
22-31 31 19	Vegetation Control
22-31 31 19 13	Chemical Vegetation Control
22-31 32 00	Soil Stabilization
22-31 32 13	Soil Mixing Stabilization
22-31 32 13 13	Asphalt Soil Stabilization
22-31 32 13 16	Cement Soil Stabilization
22-31 32 13 19	Lime Soil Stabilization
22-31 32 13 23	Fly-Ash Soil Stabilization
22-31 32 13 26	Lime-Fly-Ash Soil Stabilization
22-31 32 16	Chemical Treatment Soil Stabilization
22-31 32 16 13	Polymer Emulsion Soil Stabilization
22-31 32 17	Water Injection Soil Stabilization
22-31 32 19	Geosynthetic Soil Stabilization and Layer Separation
22-31 32 19 13	Geogrid Soil Stabilization

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-31 32 19 16	Geotextile Soil Stabilization
22-31 32 19 19	Geogrid Layer Separation
22-31 32 19 23	Geotextile Layer Separation
22-31 32 23	Pressure Grouting Soil Stabilization
22-31 32 23 13	Cementitious Pressure Grouting Soil Stabilization
22-31 32 23 16	Chemical Pressure Grouting Soil Stabilization
22-31 32 33	Shotcrete Soil Slope Stabilization
22-31 32 36	Soil Nailing
22-31 32 36 13	Driven Soil Nailing
22-31 32 36 16	Grouted Soil Nailing
22-31 32 36 19	Corrosion-Protected Soil Nailing
22-31 32 36 23	Jet-Grouted Soil Nailing
22-31 32 36 26	Launched Soil Nailing
22-31 33 00	Rock Stabilization
22-31 33 13	Rock Bolting and Grouting
22-31 33 23	Rock Slope Netting
22-31 33 26	Rock Slope Wire Mesh
22-31 33 33	Shotcrete Rock Slope Stabilization
22-31 33 43	Vegetated Rock Slope Stabilization
22-31 34 00	Soil Reinforcement
22-31 34 19	Geosynthetic Soil Reinforcement
22-31 34 19 13	Geogrid Soil Reinforcement
22-31 34 19 16	Geotextile Soil Reinforcement
22-31 34 23	Fiber Soil Reinforcement
22-31 34 23 13	Geosynthetic Fiber Soil Reinforcement
22-31 35 00	Slope Protection
22-31 35 19	Geosynthetic Slope Protection
22-31 35 19 13	Geogrid Slope Protection
22-31 35 19 16	Geotextile Slope Protection
22-31 35 19 19	Slope Protection with Mulch Control Netting
22-31 35 23	Slope Protection with Slope Paving
22-31 35 23 13	Cast-In-Place Concrete Slope Paving
22-31 35 23 16	Precast Concrete Slope Paving
22-31 35 23 19	Concrete Unit Masonry Slope Paving
22-31 35 26	Containment Barriers
22-31 35 26 13	Clay Containment Barriers
22-31 35 26 16	Geomembrane Containment Barriers
22-31 35 26 23	Bentonite Slurry Trench
22-31 36 00	Gabions
22-31 36 13	Gabion Boxes
22-31 36 19	Gabion Mattresses
22-31 36 19 13	Vegetated Gabion Mattresses
22-31 37 00	Riprap
22-31 37 13	Machined Riprap

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-31 37 16	Non-Machined Riprap
22-31 37 16 13	Rubble-Stone Riprap
22-31 37 16 16	Concrete Unit Masonry Riprap
22-31 37 16 19	Sacked Sand-Cement Riprap
22-31 40 00	Shoring and Underpinning
22-31 41 00	Shoring
22-31 41 13	Timber Shoring
22-31 41 16	Sheet Piling
22-31 41 16 13	Steel Sheet Piling
22-31 41 16 16	Plastic Sheet Piling
22-31 41 19	Metal Hydraulic Shoring
22-31 41 19 13	Aluminum Hydraulic Shoring
22-31 41 23	Pneumatic Shoring
22-31 41 33	Trench Shielding
22-31 43 00	Concrete Raising
22-31 43 13	Pressure Grouting
22-31 43 13 13	Concrete Pressure Grouting
22-31 43 13 16	Polyurethane Pressure Grouting
22-31 43 16	Compaction Grouting
22-31 43 19	Mechanical Jacking
22-31 45 00	Vibroflotation and Densification
22-31 45 13	Vibroflotation
22-31 45 16	Densification
22-31 46 00	Needle Beams
22-31 46 13	Cantilever Needle Beams
22-31 48 00	Underpinning
22-31 48 13	Underpinning Piers
22-31 48 19	Bracket Piers
22-31 48 23	Jacked Piers
22-31 48 33	Micropile Underpinning
22-31 50 00	Excavation Support and Protection
22-31 51 00	Anchor Tiebacks
22-31 51 13	Excavation Soil Anchors
22-31 51 16	Excavation Rock Anchors
22-31 52 00	Cofferdams
22-31 52 13	Sheet Piling Cofferdams
22-31 52 16	Timber Cofferdams
22-31 52 19	Precast Concrete Cofferdams
22-31 53 00	Cribbing and Walers
22-31 53 13	Timber Cribwork
22-31 54 00	Ground Freezing
22-31 56 00	Slurry Walls
22-31 56 13	Bentonite Slurry Walls
22-31 56 13 13	Soil-Bentonite Slurry Walls

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-31 56 13 16	Cement-Bentonite Slurry Walls
22-31 56 13 19	Slag-Cement-Bentonite Slurry Walls
22-31 56 13 23	Soil-Cement-Bentonite Slurry Walls
22-31 56 13 26	Pozzolan-Bentonite Slurry Walls
22-31 56 13 29	Organically-Modified Bentonite Slurry Walls
22-31 56 16	Attapulgate Slurry Walls
22-31 56 16 13	Soil-Attapulgate Slurry Walls
22-31 56 19	Slurry-Geomembrane Composite Slurry Walls
22-31 56 23	Lean Concrete Slurry Walls
22-31 56 26	Bio-Polymer Trench Drain
22-31 60 00	Special Foundations and Load-Bearing Elements
22-31 62 00	Driven Piles
22-31 62 13	Concrete Piles
22-31 62 13 13	Cast-in-Place Concrete Piles
22-31 62 13 16	Concrete Displacement Piles
22-31 62 13 19	Precast Concrete Piles
22-31 62 13 23	Prestressed Concrete Piles
22-31 62 13 26	Pressure-Injected Footings
22-31 62 16	Steel Piles
22-31 62 16 13	Sheet Steel Piles
22-31 62 16 16	Steel H Piles
22-31 62 16 19	Unfilled Tubular Steel Piles
22-31 62 19	Timber Piles
22-31 62 23	Composite Piles
22-31 62 23 13	Concrete-Filled Steel Piles
22-31 62 23 16	Wood and Cast-In-Place Concrete Piles
22-31 63 00	Bored Piles
22-31 63 13	Bored and Augered Test Piles
22-31 63 16	Auger Cast Grout Piles
22-31 63 19	Bored and Socketed Piles
22-31 63 19 13	Rock Sockets for Piles
22-31 63 23	Bored Concrete Piles
22-31 63 23 13	Bored and Belled Concrete Piles
22-31 63 23 16	Bored Friction Concrete Piles
22-31 63 26	Drilled Caissons
22-31 63 26 13	Fixed End Caisson Piles
22-31 63 26 16	Concrete Caissons for Marine Construction
22-31 63 29	Drilled Concrete Piers and Shafts
22-31 63 29 13	Uncased Drilled Concrete Piers
22-31 63 29 16	Cased Drilled Concrete Piers
22-31 63 33	Drilled Micropiles
22-31 64 00	Caissons
22-31 64 13	Box Caissons
22-31 64 16	Excavated Caissons

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-31 64 19	Floating Caissons
22-31 64 23	Open Caissons
22-31 64 26	Pneumatic Caissons
22-31 64 29	Sheeted Caissons
22-31 66 00	Special Foundations
22-31 66 13	Special Piles
22-31 66 13 13	Rammed Aggregate Piles
22-31 66 15	Helical Foundation Piles
22-31 66 16	Special Foundation Walls
22-31 66 16 13	Anchored Foundation Walls
22-31 66 16 23	Concrete Cribbing Foundation Walls
22-31 66 16 26	Metal Cribbing Foundation Walls
22-31 66 16 33	Manufactured Modular Foundation Walls
22-31 66 16 43	Mechanically Stabilized Earth Foundation Walls
22-31 66 16 46	Slurry Diaphragm Foundation Walls
22-31 66 16 53	Soldier-Beam Foundation Walls
22-31 66 16 56	Permanently-Anchored Soldier-Beam Foundation Walls
22-31 66 19	Refrigerated Foundations
22-31 68 00	Foundation Anchors
22-31 68 13	Rock Foundation Anchors
22-31 68 16	Helical Foundation Anchors
22-31 70 00	Tunneling and Mining
22-31 71 00	Tunnel Excavation
22-31 71 13	Shield Driving Tunnel Excavation
22-31 71 16	Tunnel Excavation by Drilling and Blasting
22-31 71 19	Tunnel Excavation by Tunnel Boring Machine
22-31 71 23	Tunneling by Cut and Cover
22-31 72 00	Tunnel Support Systems
22-31 72 13	Rock Reinforcement and Initial Support
22-31 72 16	Steel Ribs and Lagging
22-31 73 00	Tunnel Grouting
22-31 73 13	Cement Tunnel Grouting
22-31 73 16	Chemical Tunnel Grouting
22-31 74 00	Tunnel Construction
22-31 74 13	Cast-in-Place Concrete Tunnel Lining
22-31 74 16	Precast Concrete Tunnel Lining
22-31 74 19	Shotcrete Tunnel Lining
22-31 75 00	Shaft Construction
22-31 75 13	Cast-in-Place Concrete Shaft Lining
22-31 75 16	Precast Concrete Shaft Lining
22-31 77 00	Submersible Tube Tunnels
22-31 77 13	Trench Excavation for Submerged Tunnels
22-31 77 16	Tube Construction (Outfitting Tunnel Tubes)
22-31 77 19	Floating and Laying Submerged Tunnels

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-32 00 00	<b>Exterior Improvements</b>
22-32 01 00	Operation and Maintenance of Exterior Improvements
22-32 01 11	Paving Cleaning
22-32 01 11 51	Rubber and Paint Removal from Paving
22-32 01 11 52	Rubber Removal from Paving
22-32 01 11 53	Paint Removal from Paving
22-32 01 13	Flexible Paving Surface Treatment
22-32 01 13 61	Slurry Seal (Latex Modified)
22-32 01 13 62	Asphalt Surface Treatment
22-32 01 16	Flexible Paving Rehabilitation
22-32 01 16 71	Cold Milling Asphalt Paving
22-32 01 16 72	Asphalt Paving Reuse
22-32 01 16 73	In Place Cold Reused Asphalt Paving
22-32 01 16 74	In Place Hot Reused Asphalt Paving
22-32 01 16 75	Heater Scarifying of Asphalt Paving
22-32 01 17	Flexible Paving Repair
22-32 01 17 61	Sealing Cracks in Asphalt Paving
22-32 01 17 62	Stress-Absorbing Membrane Interlayer
22-32 01 19	Rigid Paving Surface Treatment
22-32 01 19 61	Sealing of Joints in Rigid Paving
22-32 01 19 62	Patching of Rigid Paving
22-32 01 23	Base Course Reconditioning
22-32 01 26	Rigid Paving Rehabilitation
22-32 01 26 71	Grooving of Concrete Paving
22-32 01 26 72	Grinding of Concrete Paving
22-32 01 26 73	Milling of Concrete Paving
22-32 01 26 74	Concrete Overlays
22-32 01 26 75	Concrete Paving Reuse
22-32 01 29	Rigid Paving Repair
22-32 01 29 61	Partial Depth Patching of Rigid Paving
22-32 01 29 62	Concrete Paving Raising
22-32 01 29 63	Subsealing and Stabilization
22-32 01 30	Operation and Maintenance of Site Improvements
22-32 01 30 13	Snow Removal
22-32 01 80	Operation and Maintenance of Irrigation
22-32 01 90	Operation and Maintenance of Planting
22-32 01 90 13	Fertilizing
22-32 01 90 16	Amending Soils
22-32 01 90 19	Mowing
22-32 01 90 23	Pruning
22-32 01 90 26	Watering
22-32 01 90 29	Topsoil Preservation
22-32 01 90 33	Tree and Shrub Preservation
22-32 05 00	Common Work Results for Exterior Improvements

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-32 05 13	Soils for Exterior Improvements
22-32 05 16	Aggregates for Exterior Improvements
22-32 05 19	Geosynthetics for Exterior Improvements
22-32 05 19 13	Geotextiles for Exterior Improvements
22-32 05 19 16	Geomembranes for Exterior Improvements
22-32 05 19 19	Geogrids for Exterior Improvements
22-32 05 23	Cement and Concrete for Exterior Improvements
22-32 05 33	Common Work Results for Planting
22-32 08 00	Commissioning of Exterior Improvements
22-32 10 00	Bases, Ballasts, and Paving
22-32 11 00	Base Courses
22-32 11 13	Subgrade Modifications
22-32 11 13 13	Lime-Treated Subgrades
22-32 11 13 16	Bituminous-Treated Subgrades
22-32 11 16	Subbase Courses
22-32 11 16 13	Sand-Clay Subbase Courses
22-32 11 16 16	Aggregate Subbase Courses
22-32 11 23	Aggregate Base Courses
22-32 11 23 13	Sand-Clay Base Courses
22-32 11 23 23	Base Course Drainage Layers
22-32 11 26	Asphaltic Base Courses
22-32 11 26 13	Plant Mix Asphaltic Base Courses
22-32 11 26 16	Road Mix Asphaltic Base Courses
22-32 11 26 19	Bituminous-Stabilized Base Courses
22-32 11 29	Lime Treated Base Courses
22-32 11 29 13	Lime-Fly Ash-Treated Base Courses
22-32 11 33	Cement-Treated Base Courses
22-32 11 33 13	Portland Cement-Stabilized Base Courses
22-32 11 36	Concrete Base Courses
22-32 11 36 13	Lean Concrete Base Courses
22-32 11 36 16	Plain Cement Concrete Base Courses
22-32 11 36 19	Hydraulic Cement Concrete Base Courses
22-32 12 00	Flexible Paving
22-32 12 13	Preparatory Coats
22-32 12 13 13	Tack Coats
22-32 12 13 16	Asphaltic Tack Coats
22-32 12 13 19	Prime Coats
22-32 12 13 23	Asphaltic Prime Coats
22-32 12 16	Asphalt Paving
22-32 12 16 13	Plant-Mix Asphalt Paving
22-32 12 16 16	Road-Mix Asphalt Paving
22-32 12 16 19	Cold-Mix Asphalt Paving
22-32 12 16 23	Reinforced Asphalt Paving
22-32 12 16 26	Fiber-Modified Asphalt Paving



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-32 12 16 29	Polymer-Modified Asphalt Paving
22-32 12 16 33	Granulated Rubber-Modified Asphalt Paving
22-32 12 16 36	Athletic Asphalt Paving
22-32 12 19	Asphalt Paving Wearing Courses
22-32 12 19 13	Road-Mix Asphalt Paving Wearing Courses
22-32 12 19 16	Resin-Modified Asphalt Paving Wearing Courses
22-32 12 19 19	Porous Friction Asphalt Paving Wearing Courses
22-32 12 33	Flexible Paving Surface Treatments
22-32 12 36	Seal Coats
22-32 12 36 13	Asphaltic Seal and Fog Coats
22-32 12 36 16	Coal Tar Seal Coats
22-32 12 36 19	Coal Tar Seal Coats with Unvulcanized Rubber
22-32 12 36 23	Fuel-Resistant Sealers
22-32 12 43	Porous Flexible Paving
22-32 12 73	Asphalt Paving Joint Sealants
22-32 13 00	Rigid Paving
22-32 13 13	Concrete Paving
22-32 13 13 13	Exposed Aggregate Concrete Paving
22-32 13 13 16	Power-Compacted Concrete Paving
22-32 13 13 19	Prestressed Concrete Paving
22-32 13 13 23	Concrete Paving Surface Treatment
22-32 13 13 33	Plain Concrete Paving
22-32 13 16	Decorative Concrete Paving
22-32 13 16 13	Patterned Concrete Paving
22-32 13 16 16	Roller-Compacted Concrete Paving
22-32 13 16 19	Imprinted Concrete Paving
22-32 13 16 23	Stamped Concrete Paving
22-32 13 43	Pervious Concrete Paving
22-32 13 73	Concrete Paving Joint Sealants
22-32 13 73 13	Fuel-Resistant Concrete Paving Joint Sealants
22-32 13 73 16	Field-Molded Concrete Paving Joint Sealants
22-32 13 73 19	Compression Concrete Paving Joint Sealants
22-32 14 00	Unit Paving
22-32 14 13	Precast Concrete Unit Paving
22-32 14 13 13	Interlocking Precast Concrete Unit Paving
22-32 14 13 16	Precast Concrete Unit Paving Slabs
22-32 14 13 19	Porous Precast Concrete Unit Paving
22-32 14 16	Brick Unit Paving
22-32 14 23	Asphalt Unit Paving
22-32 14 26	Wood Paving
22-32 14 29	Recycled-Rubber Paving
22-32 14 40	Stone Paving
22-32 14 43	Porous Unit Paving
22-32 15 00	Aggregate Surfacing

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-32 15 13	Cinder Surfacing
22-32 15 40	Crushed Stone Surfacing
22-32 16 00	Curbs, Gutters, Sidewalks, and Driveways
22-32 16 13	Curbs and Gutters
22-32 16 13 13	Cast-In-Place Concrete Curbs and Gutters
22-32 16 13 16	Steel Faced Curbs
22-32 16 13 23	Precast Concrete Curbs and Gutters
22-32 16 13 33	Asphalt Curbs
22-32 16 13 43	Stone Curbs
22-32 16 23	Sidewalks
22-32 16 33	Driveways
22-32 17 00	Paving Specialties
22-32 17 13	Parking Bumpers
22-32 17 13 13	Metal Parking Bumpers
22-32 17 13 16	Plastic Parking Bumpers
22-32 17 13 19	Precast Concrete Parking Bumpers
22-32 17 13 23	Rubber Parking Bumpers
22-32 17 13 26	Wood Parking Bumpers
22-32 17 16	Speed Bumps
22-32 17 23	Pavement Markings
22-32 17 23 13	Painted Pavement Markings
22-32 17 23 23	Raised Pavement Markings
22-32 17 23 33	Plastic Pavement Markings
22-32 17 26	Tactile Warning Surfacing
22-32 17 43	Pavement Snow Melting Systems
22-32 18 00	Athletic and Recreational Surfacing
22-32 18 13	Synthetic Grass Surfacing
22-32 18 16	Synthetic Resilient Surfacing
22-32 18 16 13	Playground Protective Surfacing
22-32 18 23	Athletic Surfacing
22-32 18 23 13	Baseball Field Surfacing
22-32 18 23 16	Natural Baseball Field Surfacing
22-32 18 23 19	Synthetic Baseball Field Surfacing
22-32 18 23 23	Field Sport Surfacing
22-32 18 23 26	Natural Field Sport Surfacing
22-32 18 23 29	Synthetic Field Sport Surfacing
22-32 18 23 33	Running Track Surfacing
22-32 18 23 36	Natural Running Track Surfacing
22-32 18 23 39	Synthetic Running Track Surfacing
22-32 18 23 43	Recreational Court Surfacing
22-32 18 23 53	Tennis Court Surfacing
22-32 18 23 56	Natural Tennis Court Surfacing
22-32 18 23 59	Synthetic Tennis Court Surfacing
22-32 30 00	Site Improvements

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-32 31 00	Fences and Gates
22-32 31 11	Gate Operators
22-32 31 13	Chain Link Fences and Gates
22-32 31 13 23	Recreational Court Fences and Gates
22-32 31 13 26	Tennis Court Fences and Gates
22-32 31 13 29	Tennis Court Wind Breaker
22-32 31 13 33	Chain Link Backstops
22-32 31 13 53	High-Security Chain Link Fences and Gates
22-32 31 16	Welded Wire Fences and Gates
22-32 31 17	Expanded Metal Fences and Gates
22-32 31 19	Decorative Metal Fences and Gates
22-32 31 23	Plastic Fences and Gates
22-32 31 26	Wire Fences and Gates
22-32 31 29	Wood Fences and Gates
22-32 31 32	Composite Fences and Gates
22-32 31 53	Cattle Guards
22-32 32 00	Retaining Walls
22-32 32 13	Cast-in-Place Concrete Retaining Walls
22-32 32 16	Precast Concrete Retaining Walls
22-32 32 19	Unit Masonry Retaining Walls
22-32 32 23	Segmental Retaining Walls
22-32 32 23 13	Segmental Concrete Unit Masonry Retaining Walls
22-32 32 23 16	Manufactured Modular Walls
22-32 32 26	Metal Crib Retaining Walls
22-32 32 29	Timber Retaining Walls
22-32 32 34	Reinforced Soil Retaining Walls
22-32 32 36	Gabion Retaining Walls
22-32 32 43	Soldier-Beam Retaining Walls
22-32 32 53	Stone Retaining Walls
22-32 34 00	Fabricated Bridges
22-32 34 13	Fabricated Pedestrian Bridges
22-32 34 23	Fabricated Roadway Bridges
22-32 34 33	Fabricated Railway Bridges
22-32 35 00	Screening Devices
22-32 35 13	Screens and Louvers
22-32 35 16	Sound Barriers
22-32 39 00	Manufactured Site Specialties
22-32 39 13	Manufactured Metal Bollards
22-32 39 33	Artificial Rock Fabrications
22-32 70 00	Wetlands
22-32 71 00	Constructed Wetlands
22-32 72 00	Wetlands Restoration
22-32 80 00	Irrigation
22-32 82 00	Irrigation Pumps

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-32 84 00	Planting Irrigation
22-32 84 13	Drip Irrigation
22-32 84 23	Underground Sprinklers
22-32 86 00	Agricultural Irrigation
22-32 90 00	Planting
22-32 91 00	Planting Preparation
22-32 91 13	Soil Preparation
22-32 91 13 13	Hydro-Punching
22-32 91 13 16	Mulching
22-32 91 13 19	Planting Soil Mixing
22-32 91 13 23	Structural Soil Mixing
22-32 91 13 26	Planting Beds
22-32 91 16	Planting Soil Stabilization
22-32 91 16 13	Blanket Planting Soil Stabilization
22-32 91 16 16	Mat Planting Soil Stabilization
22-32 91 16 19	Netting Planting Soil Stabilization
22-32 91 19	Landscape Grading
22-32 91 19 13	Topsoil Placement and Grading
22-32 92 00	Turf and Grasses
22-32 92 13	Hydro-Mulching
22-32 92 16	Plugging
22-32 92 19	Seeding
22-32 92 19 13	Mechanical Seeding
22-32 92 19 16	Hydraulic Seeding
22-32 92 23	Sodding
22-32 92 26	Sprigging
22-32 92 26 13	Stolonizing
22-32 93 00	Plants
22-32 93 13	Ground Covers
22-32 93 23	Plants and Bulbs
22-32 93 33	Shrubs
22-32 93 43	Trees
22-32 93 93	Exterior Artificial Plants
22-32 94 00	Planting Accessories
22-32 94 13	Landscape Edging
22-32 94 16	Landscape Timbers
22-32 94 19	Landscape Surfacing
22-32 94 33	Planters
22-32 94 43	Tree Grates
22-32 94 46	Tree Grids
22-32 95 00	Exterior Planting Support Structures
22-32 96 00	Transplanting
22-32 96 13	Ground Cover Transplanting
22-32 96 23	Plant and Bulb Transplanting

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-32 96 33	Shrub Transplanting
22-32 96 43	Tree Transplanting
22-33 00 00	<b>Utilities</b>
22-33 01 00	Operation and Maintenance of Utilities
22-33 01 10	Operation and Maintenance of Water Utilities
22-33 01 10 71	Water Utility Storage Tank Rehabilitation
22-33 01 20	Operation and Maintenance of Wells
22-33 01 30	Operation and Maintenance of Sewer Utilities
22-33 01 30 13	Sewer and Manhole Testing
22-33 01 30 16	TV Inspection of Sewer Pipelines
22-33 01 30 51	Maintenance of Sewer Utilities
22-33 01 30 52	Pond and Reservoir Maintenance
22-33 01 30 61	Sewer and Pipe Joint Sealing
22-33 01 30 62	Manhole Grout Sealing
22-33 01 30 71	Rehabilitation of Sewer Utilities
22-33 01 30 72	Relining Sewers
22-33 01 50	Operation and Maintenance of Fuel Distribution Lines
22-33 01 50 51	Cleaning Fuel-Storage Tanks
22-33 01 50 71	Lining of Steel Fuel-Storage Tanks
22-33 01 60	Operation and Maintenance of Hydronic and Steam Energy Utilities
22-33 01 70	Operation and Maintenance of Electrical Utilities
22-33 01 80	Operation and Maintenance of Communications Utilities
22-33 05 00	Common Work Results for Utilities
22-33 05 13	Manholes and Structures
22-33 05 13 13	Manhole Grade Adjustment
22-33 05 16	Utility Structures
22-33 05 16 13	Precast Concrete Utility Structures
22-33 05 16 53	Rebuilding Utility Structures
22-33 05 19	Pressure Piping Tied Joint Restraint System
22-33 05 23	Trenchless Utility Installation
22-33 05 23 13	Utility Horizontal Directional Drilling
22-33 05 23 16	Utility Pipe Jacking
22-33 05 23 19	Microtunneling
22-33 05 23 23	Utility Pipe Ramming
22-33 05 23 26	Utility Impact Moling
22-33 05 23 29	Cable Trenching and Plowing
22-33 05 26	Utility Identification
22-33 05 26 13	Utility Identification Signs
22-33 05 26 16	Utility Identification Markers
22-33 05 26 19	Utility Identification Flags
22-33 05 26 23	Utility Identification Trace Wires
22-33 08 00	Commissioning of Utilities
22-33 08 10	Commissioning of Water Utilities
22-33 08 20	Commissioning of Wells

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-33 08 30	Commissioning of Sanitary Sewerage Utilities
22-33 08 40	Commissioning of Storm Drainage Utilities
22-33 08 50	Commissioning of Fuel Distribution Utilities
22-33 08 60	Commissioning of Hydronic and Steam Energy Utilities
22-33 08 70	Commissioning of Electrical Utilities
22-33 08 80	Commissioning of Communications Utilities
22-33 09 00	Instrumentation and Control for Utilities
22-33 09 10	Instrumentation and Control for Water Utilities
22-33 09 20	Instrumentation and Control for Wells
22-33 09 30	Instrumentation and Control for Sanitary Sewerage Utilities
22-33 09 40	Instrumentation and Control for Storm Drainage Utilities
22-33 09 50	Instrumentation and Control for Fuel Distribution Utilities
22-33 09 60	Instrumentation and Control for Hydronic and Steam Energy Utilities
22-33 09 70	Instrumentation and Control for Electrical Utilities
22-33 09 80	Instrumentation and Control for Communications Utilities
22-33 10 00	Water Utilities
22-33 11 00	Water Utility Distribution Piping
22-33 11 13	Public Water Utility Distribution Piping
22-33 11 13 13	Ductile Iron Public Water Utility Distribution Piping
22-33 11 13 16	Cast Iron Public Water Utility Distribution Piping
22-33 11 13 23	Plastic Public Water Utility Distribution Piping
22-33 11 13 26	Galvanized Steel Public Water Utility Distribution Piping
22-33 11 13 33	Concrete Public Water Utility Distribution Piping
22-33 11 16	Site Water Utility Distribution Piping
22-33 11 19	Fire Suppression Utility Water Distribution Piping
22-33 12 00	Water Utility Distribution Equipment
22-33 12 13	Water Service Connections
22-33 12 13 13	Water Supply Backflow Preventer Assemblies
22-33 12 16	Water Utility Distribution Valves
22-33 12 19	Water Utility Distribution Fire Hydrants
22-33 12 23	Water Utility Pumping Stations
22-33 12 33	Water Utility Metering
22-33 13 00	Disinfecting of Water Utility Distribution
22-33 16 00	Water Utility Storage Tanks
22-33 16 13	Aboveground Water Utility Storage Tanks
22-33 16 13 13	Steel Aboveground Water Utility Storage Tanks
22-33 16 13 16	Prestressed Concrete Aboveground Water Utility Storage Tanks
22-33 16 13 19	Plastic Aboveground Water Utility Storage Tanks
22-33 16 16	Underground Water Utility Storage Tanks
22-33 16 19	Elevated Water Utility Storage Tanks
22-33 20 00	Wells
22-33 21 00	Water Supply Wells
22-33 21 13	Public Water Supply Wells
22-33 21 16	Irrigation Water Wells

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-33 22 00	Test Wells
22-33 23 00	Extraction Wells
22-33 24 00	Monitoring Wells
22-33 24 13	Groundwater Monitoring Wells
22-33 25 00	Recharge Wells
22-33 26 00	Relief Wells
22-33 29 00	Well Abandonment
22-33 30 00	Sanitary Sewerage Utilities
22-33 31 00	Sanitary Utility Sewerage Piping
22-33 31 13	Public Sanitary Utility Sewerage Piping
22-33 31 16	Industrial Waste Utility Sewerage Piping
22-33 32 00	Wastewater Utility Pumping Stations
22-33 32 13	Packaged Utility Lift Stations
22-33 32 13 13	Packaged Sewage Lift Stations, Wet Well Type
22-33 32 16	Packaged Utility Wastewater Pumping Stations
22-33 32 16 13	Packaged Sewage Grinder Pumping Units
22-33 32 19	Public Utility Wastewater Pumping Stations
22-33 33 00	Low Pressure Utility Sewerage
22-33 33 13	Sanitary Utility Sewerage
22-33 33 16	Combined Utility Sewerage
22-33 34 00	Sanitary Utility Sewerage Force Mains
22-33 34 13	Sanitary Utility Sewerage Inverted Siphons
22-33 36 00	Utility Septic Tanks
22-33 36 13	Utility Septic Tank and Effluent Wet Wells
22-33 36 13 13	Concrete Utility Septic Tank
22-33 36 13 16	Fiberglass Utility Septic Tank
22-33 36 13 19	Polyethylene Utility Septic Tank
22-33 36 16	Utility Septic Tank Effluent Pumps
22-33 36 16 13	Utility Septic Tank High-Head Effluent Pump
22-33 36 16 16	Utility Septic Tank Effluent Pump Package
22-33 36 19	Utility Septic Tank Effluent Filter
22-33 36 19 13	Utility Septic Tank Effluent Tube Filter
22-33 36 19 16	Utility Septic Tank Effluent Textile Media Filter
22-33 36 33	Utility Septic Tank Drainage Field
22-33 36 33 13	Utility Septic Tank Tile Drainage Field
22-33 36 33 16	Utility Septic Tank Shallow Pressurized Dispersal System
22-33 38 00	Treatment Lagoons
22-33 38 13	Municipal Wastewater Treatment Lagoons
22-33 38 16	Industrial Waste Lagoons
22-33 38 23	Agricultural Waste Lagoons
22-33 38 26	Residential Sewerage Lagoons
22-33 39 00	Sanitary Utility Sewerage Structures
22-33 39 13	Sanitary Utility Sewerage Manholes, Frames, and Covers
22-33 39 23	Sanitary Utility Sewerage Cleanouts

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-33 40 00	Storm Drainage Utilities
22-33 41 00	Storm Utility Drainage Piping
22-33 41 13	Public Storm Utility Drainage Piping
22-33 42 00	Culverts
22-33 42 13	Pipe Culverts
22-33 42 13 13	Public Pipe Culverts
22-33 42 16	Concrete Culverts
22-33 42 16 13	Precast Concrete Culverts
22-33 42 16 16	Cast-in-Place Concrete Culverts
22-33 44 00	Storm Utility Water Drains
22-33 44 13	Utility Area Drains
22-33 44 13 13	Catchbasins
22-33 44 16	Utility Trench Drains
22-33 44 19	Utility Storm Water Treatment
22-33 44 19 13	In-Line Utility Storm Water Filters
22-33 44 19 16	Catch Basin Insert Utility Storm Water Filters
22-33 44 19 19	Utility Oil and Gas Separators
22-33 45 00	Storm Utility Drainage Pumps
22-33 46 00	Subdrainage
22-33 46 13	Foundation Drainage
22-33 46 13 13	Foundation Drainage Piping
22-33 46 13 16	Geocomposite Foundation Drainage
22-33 46 16	Subdrainage Piping
22-33 46 16 13	Subdrainage Piping
22-33 46 16 16	Geocomposite Subdrainage
22-33 46 16 19	Pipe Underdrains
22-33 46 19	Underslab Drainage
22-33 46 19 13	Underslab Drainage Piping
22-33 46 19 16	Geocomposite Underslab Drainage
22-33 46 23	Drainage Layers
22-33 46 23 16	Gravel Drainage Layers
22-33 46 23 19	Geosynthetic Drainage Layers
22-33 46 26	Geotextile Subsurface Drainage Filtration
22-33 46 33	Retaining Wall Drainage
22-33 47 00	Ponds and Reservoirs
22-33 47 13	Pond and Reservoir Liners
22-33 47 13 13	Pond Liners
22-33 47 13 53	Reservoir Liners
22-33 47 16	Pond and Reservoir Covers
22-33 47 16 13	Pond Covers
22-33 47 16 53	Reservoir Covers
22-33 47 19	Water Ponds and Reservoirs
22-33 47 19 13	Water Distribution Ponds
22-33 47 19 16	Water Retainage Reservoirs



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-33 47 19 23	Cooling Water Ponds
22-33 47 19 33	Fire-Protection Water Ponds
22-33 47 26	Storm Drainage Ponds and Reservoirs
22-33 47 26 13	Stabilization Ponds
22-33 47 26 16	Retention Basins
22-33 47 26 19	Leaching Pits
22-33 49 00	Storm Drainage Structures
22-33 49 13	Storm Drainage Manholes, Frames, and Covers
22-33 49 22	Storm Drainage Water Detention Structures
22-33 49 23	Storm Drainage Water Retention Structures
22-33 49 23 13	Underground Storm Drainage Water Retention Tanks
22-33 49 24	Storm Drainage Water Storage Structures
22-33 50 00	Fuel Distribution Utilities
22-33 51 00	Natural-Gas Distribution
22-33 51 13	Natural-Gas Piping
22-33 51 33	Natural-Gas Metering
22-33 52 00	Liquid Fuel Distribution
22-33 52 13	Fuel-Oil Distribution
22-33 52 13 13	Fuel-Oil Piping
22-33 52 13 23	Fuel-Oil Pumps
22-33 52 16	Gasoline Distribution
22-33 52 16 13	Gasoline Piping
22-33 52 16 23	Gasoline Pumps
22-33 52 19	Diesel Fuel Distribution
22-33 52 19 13	Diesel Fuel Piping
22-33 52 19 23	Diesel Fuel Pumps
22-33 52 43	Aviation Fuel Distribution
22-33 52 43 13	Aviation Fuel Piping
22-33 52 43 16	Aviation Fuel Connections
22-33 52 43 19	Aviation Fuel Grounding
22-33 52 43 23	Aviation Fuel Pumps
22-33 56 00	Fuel-Storage Tanks
22-33 56 13	Aboveground Fuel-Storage Tanks
22-33 56 16	Underground Fuel-Storage Tanks
22-33 56 43	Aviation Fuel-Storage Tanks
22-33 56 43 13	Aboveground Aviation Fuel-Storage Tanks
22-33 56 43 16	Underground Aviation Fuel-Storage Tanks
22-33 56 53	Compressed Gases Storage Tanks
22-33 60 00	Hydronic and Steam Energy Utilities
22-33 61 00	Hydronic Energy Distribution
22-33 61 13	Underground Hydronic Energy Distribution
22-33 61 23	Aboveground Hydronic Energy Distribution
22-33 61 33	Hydronic Energy Distribution Metering
22-33 63 00	Steam Energy Distribution

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-33 63 13	Underground Steam and Condensate Distribution Piping
22-33 63 23	Aboveground Steam and Condensate Distribution Piping
22-33 63 33	Steam Energy Distribution Metering
22-33 70 00	Electrical Utilities
22-33 71 00	Electrical Utility Transmission and Distribution
22-33 71 13	Electrical Utility Towers
22-33 71 13 13	Precast Concrete Electrical Utility Towers
22-33 71 13 23	Steel Electrical Utility Towers
22-33 71 13 33	Wood Electrical Utility Towers
22-33 71 16	Electrical Utility Poles
22-33 71 16 13	Precast Concrete Electrical Utility Poles
22-33 71 16 23	Steel Electrical Utility Poles
22-33 71 16 33	Wood Electrical Utility Poles
22-33 71 19	Electrical Underground Ducts and Manholes
22-33 71 19 13	Electrical Manholes and Handholes
22-33 71 23	Insulators and Fittings
22-33 71 23 13	Suspension Insulators
22-33 71 23 16	Post Insulators
22-33 71 23 23	Potheads
22-33 71 26	Transmission and Distribution Equipment
22-33 71 26 13	Capacitor Banks
22-33 71 26 16	Coupling Capacitors
22-33 71 26 23	Current Transformers
22-33 71 26 26	Potential Transformers
22-33 71 36	Extra-High-Voltage Wiring
22-33 71 36 13	Overhead Extra-High-Voltage Wiring
22-33 71 39	High-Voltage Wiring
22-33 71 39 13	Overhead High-Voltage Wiring
22-33 71 39 23	Underground High-Voltage Wiring
22-33 71 39 33	Underwater High-Voltage Wiring
22-33 71 49	Medium-Voltage Wiring
22-33 71 49 13	Overhead Medium-Voltage Wiring
22-33 71 49 23	Underground Medium-Voltage Wiring
22-33 71 49 33	Underwater Medium-Voltage Wiring
22-33 71 53	Direct-Current Transmission
22-33 71 73	Electrical Utility Services
22-33 71 73 33	Electric Meters
22-33 71 83	Transmission and Distribution Specialties
22-33 72 00	Utility Substations
22-33 72 13	Deadend Structures
22-33 72 23	Structural Bus Supports
22-33 72 23 13	Bus Support Insulators
22-33 72 26	Substation Bus Assemblies
22-33 72 26 13	Aluminum Substation Bus Assemblies

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-33 72 26 16	Copper Substation Bus Assemblies
22-33 72 33	Control House Equipment
22-33 72 33 13	Relays
22-33 72 33 16	Substation Control Panels
22-33 72 33 23	Power-Line Carriers
22-33 72 33 26	Substation Metering
22-33 72 33 33	Raceway and Boxes for Utility Substations
22-33 72 33 36	Cable Trays for Utility Substations
22-33 72 33 43	Substation Backup Batteries
22-33 72 33 46	Substation Converter Stations
22-33 72 43	Substation Control Wiring
22-33 73 00	Utility Transformers
22-33 73 13	Liquid-Filled Utility Transformers
22-33 73 23	Dry-Type Utility Transformers
22-33 75 00	High-Voltage Switchgear and Protection Devices
22-33 75 13	Air High-Voltage Circuit Breaker
22-33 75 16	Oil High-Voltage Circuit Breaker
22-33 75 19	Gas High-Voltage Circuit Breaker
22-33 75 23	Vacuum High-Voltage Circuit Breaker
22-33 75 36	High-Voltage Utility Fuses
22-33 75 39	High-Voltage Surge Arresters
22-33 75 43	Shunt Reactors
22-33 77 00	Medium-Voltage Utility Switchgear and Protection Devices
22-33 77 13	Air Medium-Voltage Circuit Breaker
22-33 77 16	Oil Medium-Voltage Circuit Breaker
22-33 77 19	Gas Medium-Voltage Circuit Breaker
22-33 77 23	Vacuum Medium-Voltage Circuit Breaker
22-33 77 26	Medium-Voltage Utility Fusible Interrupter Switchgear
22-33 77 33	Medium-Voltage Utility Cutouts
22-33 77 36	Medium-Voltage Utility Fuses
22-33 77 39	Medium-Voltage Utility Surge Arresters
22-33 77 53	Medium-Voltage Utility Reclosers
22-33 79 00	Site Grounding
22-33 79 13	Site Improvements Grounding
22-33 79 13 13	Electric Fence Grounding
22-33 79 16	Tower Grounding
22-33 79 16 13	Communications Tower Grounding
22-33 79 16 16	Antenna Tower Grounding
22-33 79 19	Utilities Grounding
22-33 79 19 13	Electrical Utilities Grounding
22-33 79 19 16	Communications Utilities Grounding
22-33 79 23	Utility Substation Grounding
22-33 79 83	Site Grounding Conductors
22-33 79 83 13	Grounding Wire, Bar, and Rod

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-33 79 83 16	Chemical Rod
22-33 79 83 23	Conductive Concrete
22-33 79 83 33	Earth Grounding Enhancement
22-33 79 83 43	Deep Earth Grounding
22-33 79 93	Site Lightning Protection
22-33 79 93 13	Lightning Strike Counters
22-33 79 93 16	Lightning Strike Warning Devices
22-33 80 00	Communications Utilities
22-33 81 00	Communications Structures
22-33 81 13	Communications Transmission Towers
22-33 81 16	Antenna Towers
22-33 81 19	Communications Utility Poles
22-33 81 23	Aerial Cable Installation Hardware
22-33 81 26	Communications Underground Ducts, Manholes, and Handholes
22-33 81 29	Communications Vaults, Pedestals and Enclosures
22-33 81 33	Communications Blowers, Fans, and Ventilation
22-33 82 00	Communications Distribution
22-33 82 13	Copper Communications Distribution Cabling
22-33 82 13 13	Copper Splicing and Terminations
22-33 82 23	Optical Fiber Communications Distribution Cabling
22-33 82 23 13	Optical Fiber Splicing and Terminations
22-33 82 33	Coaxial Communications Distribution Cabling
22-33 82 33 13	Coaxial Splicing and Terminations
22-33 82 43	Grounding and Bonding for Communications Distribution
22-33 82 46	Cable Pressurization Equipment
22-33 82 53	Cleaning, Lubrication and Restoration Chemicals
22-33 83 00	Wireless Communications Distribution
22-33 83 13	Laser Transmitters and Receivers
22-33 83 16	Microwave Transmitters and Receivers
22-33 83 19	Infrared Transmitters and Receivers
22-33 83 23	UHF/VHF Transmitters and Antennas
22-34 00 00	<b>Transportation</b>
22-34 01 00	Operation and Maintenance of Transportation
22-34 01 13	Operation and Maintenance of Roadways
22-34 01 23	Operation and Maintenance of Railways
22-34 01 23 13	Track Removal and Salvage
22-34 01 23 81	Track Crosstie Replacement
22-34 01 33	Operation and Maintenance of Airfields
22-34 01 43	Operation and Maintenance of Bridges
22-34 05 00	Common Work Results for Transportation
22-34 05 13	Common Work Results for Roadways
22-34 05 23	Common Work Results for Railways
22-34 05 33	Common Work Results for Airports
22-34 05 43	Common Work Results for Bridges

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-34 08 00	Commissioning of Transportation
22-34 08 13	Commissioning of Roadways
22-34 08 23	Commissioning of Railways
22-34 08 33	Commissioning of Airfields
22-34 08 43	Commissioning of Bridges
22-34 10 00	Guideways/Railways
22-34 11 00	Rail Tracks
22-34 11 13	Track Rails
22-34 11 13 13	Light Rail Track
22-34 11 13 23	Heavy Rail Track
22-34 11 16	Welded Track Rails
22-34 11 16 13	In-Track Butt-Welded Track Rail
22-34 11 16 16	Pressure-Welded Track Rail
22-34 11 16 19	Thermite-Welded Track Rail
22-34 11 19	Track Rail Joints
22-34 11 23	Special Trackwork
22-34 11 23 13	Ballasted Special Track Rail
22-34 11 23 16	Direct-Fixation Track
22-34 11 23 23	Running Rail
22-34 11 23 26	Precurved Running Rail
22-34 11 26	Ballasted Track Rail
22-34 11 26 13	Track Rail Ballast
22-34 11 26 16	Track Rail Subballast
22-34 11 29	Embedded Track Rail
22-34 11 33	Track Cross Ties
22-34 11 33 13	Concrete Track Cross Ties
22-34 11 33 16	Timber Track Cross Ties
22-34 11 33 19	Resilient Track Cross Ties
22-34 11 36	Track Rail Fasteners
22-34 11 36 13	Direct-Fixation Fasteners
22-34 11 39	Track Collector Pans
22-34 11 39 13	Fiberglass Track Collector Pans
22-34 11 93	Track Appurtenances and Accessories
22-34 12 00	Monorails
22-34 12 13	Elevated Monorails
22-34 12 16	On-Grade Monorails
22-34 12 19	Below-Grade Monorails
22-34 12 23	Maglev Monorail
22-34 12 63	Monorail Track
22-34 13 00	Funiculars
22-34 13 13	Inclined Railway
22-34 14 00	Cable Transportation
22-34 14 13	Aerial Tramways
22-34 14 19	Gondolas

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-34 14 26	Funitels
22-34 14 33	Chairlifts
22-34 14 39	Surface Lifts
22-34 14 46	Ropeway Tows
22-34 14 53	Cable Car Systems
22-34 20 00	Traction Power
22-34 21 00	Traction Power Distribution
22-34 21 13	High Power Static Frequency Converters
22-34 21 16	Traction Power Substations
22-34 21 16 13	AC Traction Power Substations
22-34 21 16 16	DC Traction Power Substations
22-34 21 19	Traction Power Switchgear
22-34 21 19 13	AC Traction Power Switchgear
22-34 21 19 16	DC Traction Power Switchgear
22-34 21 19 23	Frequency Changer
22-34 21 23	Traction Power Transformer-Rectifier Units
22-34 23 00	Overhead Traction Power
22-34 23 13	Traction Power Poles
22-34 23 16	Overhead Cable Suspension
22-34 23 23	Overhead Traction Power Cables
22-34 24 00	Third Rail Traction Power
22-34 24 13	Bottom-Contact Third Rail
22-34 24 16	Side-Contact Third Rail
22-34 24 19	Top-Contact Third Rail
22-34 40 00	Transportation Signaling and Control Equipment
22-34 41 00	Roadway Signaling and Control Equipment
22-34 41 13	Traffic Signals
22-34 41 16	Traffic Control Equipment
22-34 41 23	Roadway Monitoring Equipment
22-34 42 00	Railway Signaling and Control Equipment
22-34 42 13	Railway Signals
22-34 42 13 13	General Railway Signal Requirements
22-34 42 13 16	Signal Solid State Coded Track Circuits
22-34 42 16	Train Control Wires and Cables
22-34 42 19	Vital Interlocking Logic Controllers
22-34 42 23	Railway Control Equipment
22-34 42 23 13	Mainline Train Control Room Equipment
22-34 42 23 16	Yard Train Control Room Equipment
22-34 42 23 19	Integrated Control Equipment
22-34 42 23 23	Interlocking Railway Control Equipment
22-34 42 26	Rail Network Equipment
22-34 42 29	Station Agent Equipment
22-34 42 33	Yard Management Equipment
22-34 42 36	Supervisory Control and Data Acquisition

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-34 43 00	Airfield Signaling and Control Equipment
22-34 43 13	Airfield Signals
22-34 43 13 13	Airfield Runway Identification Lights
22-34 43 13 16	Airfield Runway and Taxiway Inset Lighting
22-34 43 16	Airfield Landing Equipment
22-34 43 16 13	Microwave Airfield Landing Equipment
22-34 43 16 16	Instrument Airfield Landing Equipment
22-34 43 16 19	Airfield Visual-Approach Slope Indicator Equipment
22-34 43 16 23	Airfield Short-Approach Lighting Equipment
22-34 43 16 26	Airfield Omni-Directional-Approach Lighting Equipment
22-34 43 16 29	Airfield Low-Intensity-Approach Lighting Equipment
22-34 43 16 33	Airfield High-Intensity-Approach Lighting Equipment
22-34 43 16 36	Airfield Precision-Approach Path Indicator Equipment
22-34 43 19	Airfield Traffic Control Tower Equipment
22-34 43 23	Weather Observation Equipment
22-34 43 23 13	Automatic Weather Observation Equipment
22-34 43 23 16	Airfield Wind Cones
22-34 43 26	Airfield Control Equipment
22-34 43 26 13	Airfield Lighting Control Equipment
22-34 43 26 16	Airfield Lighting PLC Control Equipment
22-34 43 26 19	Airfield Lighting Regulator Assembly
22-34 48 00	Bridge Signaling and Control Equipment
22-34 48 13	Operating Bridge Signals
22-34 48 16	Operating Bridge Control Equipment
22-34 50 00	Transportation Fare Collection Equipment
22-34 52 00	Vehicle Fare Collection
22-34 52 16	Vehicle Ticketing Equipment
22-34 52 16 13	Vehicle Ticket Vending Machines
22-34 52 26	Vehicle Fare Collection Equipment
22-34 52 26 13	Vehicle Coin Fare Collection Equipment
22-34 52 26 16	Vehicle Electronic Fare Collection Equipment
22-34 52 33	Vehicle Fare Gates
22-34 54 00	Passenger Fare Collection
22-34 54 16	Passenger Ticketing Equipment
22-34 54 16 13	Passenger Ticket Vending Machines
22-34 54 16 16	Passenger Addfare Machines
22-34 54 16 23	Passenger Intermodal Transfer Machines
22-34 54 26	Passenger Fare Collection Equipment
22-34 54 26 13	Passenger Coin Fare Collection Equipment
22-34 54 26 16	Passenger Electronic Fare Collection Equipment
22-34 54 33	Passenger Fare Gates
22-34 70 00	Transportation Construction and Equipment
22-34 71 00	Roadway Construction
22-34 71 13	Vehicle Barriers

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-34 71 13 13	Vehicle Median Barriers
22-34 71 13 16	Vehicle Crash Barriers
22-34 71 13 19	Vehicle Traffic Barriers
22-34 71 13 26	Vehicle Guide Rails
22-34 71 13 29	Vehicle Barrier Fenders
22-34 71 16	Impact Attenuating Devices
22-34 71 19	Vehicle Delineators
22-34 71 19 13	Fixed Vehicle Delineators
22-34 71 19 16	Flexible Vehicle Delineators
22-34 72 00	Railway Construction
22-34 72 13	Railway Line
22-34 72 16	Railway Siding
22-34 73 00	Airfield Construction
22-34 73 13	Aircraft Tiedowns
22-34 73 16	Airfield Grounding
22-34 73 16 13	Aircraft Static Grounding
22-34 73 19	Jet Blast Barriers
22-34 73 23	Manufactured Airfield Control Towers
22-34 73 26	Manufactured Helipads
22-34 75 00	Roadway Equipment
22-34 75 13	Operable Roadway Equipment
22-34 75 13 13	Active Vehicle Barriers
22-34 76 00	Railway Equipment
22-34 76 13	Roadway Crossing Control Equipment
22-34 77 00	Transportation Equipment
22-34 77 13	Passenger Boarding Bridges
22-34 77 13 13	Fixed Aircraft Passenger Boarding Bridges
22-34 77 13 16	Movable Aircraft Passenger Boarding Bridges
22-34 77 13 23	Ship Passenger Boarding Bridges
22-34 77 33	Baggage Scanning Equipment
22-34 77 36	Baggage Scales
22-34 77 39	Baggage Conveying Equipment
22-34 80 00	Bridges
22-34 81 00	Bridge Machinery
22-34 81 13	Single-Swing Bridge Machinery
22-34 81 16	Double-Swing Bridge Machinery
22-34 81 19	Cantilever Bridge Machinery
22-34 81 23	Lift Bridge Machinery
22-34 81 26	Sliding Bridge Machinery
22-34 81 29	Pontoon Bridge Machinery
22-34 81 32	Bascule Bridge Machinery
22-34 82 00	Bridge Specialties
22-34 82 13	Bridge Vibration Dampers
22-34 82 13 13	Visco Elastic Bridge Vibration Dampers



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-34 82 13 16	Tuned-Mass Bridge Vibration Dampers
22-34 82 19	Bridge Pier Protection
22-34 82 19 13	Bridge Pier Ice Shields
22-35 00 00	<b>Waterway and Marine Construction</b>
22-35 01 00	Operation and Maintenance of Waterway and Marine Construction
22-35 01 30	Operation and Maintenance of Coastal Construction
22-35 01 40	Operation and Maintenance of Waterway Construction
22-35 01 40 51	Waterway Dredging
22-35 01 40 92	Preservation of Water Courses
22-35 01 50	Operation and Maintenance of Marine Construction
22-35 01 50 51	Marine Dredging
22-35 01 50 71	Channel Excavation, Cleaning and Deepening
22-35 01 70	Operation and Maintenance of Dams
22-35 05 00	Common Work Results for Waterway and Marine Construction
22-35 05 30	Common Work Results for Coastal Construction
22-35 05 40	Common Work Results for Waterway Construction
22-35 05 50	Common Work Results for Marine Construction
22-35 05 70	Common Work Results for Dams
22-35 08 00	Commissioning of Waterway and Marine Construction
22-35 08 30	Commissioning of Coastal Construction
22-35 08 40	Commissioning of Waterway Construction
22-35 08 50	Commissioning of Marine Construction
22-35 08 70	Commissioning of Dams
22-35 10 00	Waterway and Marine Signaling and Control Equipment
22-35 11 00	Signaling and Control Equipment for Waterways
22-35 11 13	Signaling Equipment for Waterways
22-35 11 53	Control Equipment for Waterways
22-35 12 00	Marine Signaling and Control Equipment
22-35 12 13	Marine Signaling Equipment
22-35 12 13 13	Lighthouse Equipment
22-35 12 33	Marine Navigation Equipment
22-35 12 53	Marine Control Equipment
22-35 13 00	Signaling and Control Equipment for Dams
22-35 13 13	Signaling Equipment for Dams
22-35 13 53	Control Equipment for Dams
22-35 20 00	Waterway and Marine Construction and Equipment
22-35 20 13	Hydraulic Fabrications
22-35 20 13 13	Hydraulic Bifurcation Panels
22-35 20 13 16	Hydraulic Bulkheads
22-35 20 13 19	Hydraulic Manifolds
22-35 20 13 23	Hydraulic Penstocks
22-35 20 13 26	Hydraulic Trashracks
22-35 20 16	Hydraulic Gates
22-35 20 16 13	Hydraulic Spillway Crest Gates

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-35 20 16 19	Hydraulic Head Gates
22-35 20 16 26	Hydraulic Sluice Gates
22-35 20 16 33	Hydraulic Miter Gates
22-35 20 16 39	Hydraulic Sector Gates
22-35 20 16 46	Hydraulic Tainter Gates and Anchorages
22-35 20 16 53	Hydraulic Vertical Lift Gates
22-35 20 16 59	Hydraulic Closure Gates
22-35 20 19	Hydraulic Valves
22-35 20 19 13	Hydraulic Butterfly Valves
22-35 20 19 23	Hydraulic Regulating Valves
22-35 20 23	Dredging
22-35 20 23 13	Mechanical Dredging
22-35 20 23 23	Hydraulic Dredging
22-35 20 23 33	Integrated Dredging and Dewatering
22-35 30 00	Coastal Construction
22-35 31 00	Shoreline Protection
22-35 31 16	Seawalls
22-35 31 16 13	Concrete Seawalls
22-35 31 16 16	Segmental Seawalls
22-35 31 16 19	Steel Sheet Piling Seawalls
22-35 31 16 23	Timber Seawalls
22-35 31 16 40	Stone Seawalls
22-35 31 19	Revetments
22-35 31 19 13	Sacked Cement-Sand Revetments
22-35 31 19 16	Concrete Unit Masonry Revetments
22-35 31 19 36	Gabion Revetments
22-35 31 19 40	Stone Revetments
22-35 31 23	Breakwaters
22-35 31 23 13	Rubble Mound Breakwaters
22-35 31 23 16	Precast Breakwater Modules
22-35 31 26	Jetties
22-35 31 26 13	Concrete Jetties
22-35 31 26 16	Concrete Unit Masonry Jetties
22-35 31 26 36	Gabion Jetties
22-35 31 26 40	Stone Jetties
22-35 31 29	Groins
22-35 31 29 13	Concrete Groins
22-35 31 29 16	Concrete Unit Masonry Groins
22-35 31 29 26	Steel Groins
22-35 31 29 36	Gabion Groins
22-35 31 29 40	Stone Groins
22-35 32 00	Artificial Reefs
22-35 32 13	Scrap Material Artificial Reefs
22-35 32 13 13	Scrap Concrete Artificial Reefs

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-35 32 13 19	Scrap Steel Artificial Reefs
22-35 32 13 33	Sunken Ship Artificial Reefs
22-35 32 16	Constructed Artificial Reefs
22-35 32 16 13	Constructed Concrete Artificial Reefs
22-35 32 16 19	Constructed Steel Artificial Reefs
22-35 40 00	Waterway Construction and Equipment
22-35 41 00	Levees
22-35 41 13	Landside Levee Berms
22-35 41 13 13	Stability Landside Levee Berms
22-35 41 13 16	Seepage Landside Levee Berms
22-35 41 16	Levee Cutoff Trenches
22-35 41 19	Levee Relief Wells
22-35 42 00	Waterway Bank Protection
22-35 42 13	Piling Bank Protection
22-35 42 13 19	Steel Sheet Piling Bank Protection
22-35 42 13 23	Timber Piling Bank Protection
22-35 42 13 26	Plastic Piling Bank Protection
22-35 42 29	Grout-Bag Bank Protection
22-35 42 34	Soil Reinforcement Bank Protection
22-35 42 35	Slope Protection Bank Protection
22-35 42 36	Gabion Bank Protection
22-35 42 37	Riprap Bank Protection
22-35 42 53	Wall Bank Protection
22-35 42 53 16	Concrete Unit Masonry Wall Bank Protection
22-35 42 53 19	Segmental Wall Bank Protection
22-35 42 53 40	Stone Wall Bank Protection
22-35 43 00	Waterway Scour Protection
22-35 43 29	Grout-Bag Scour Protection
22-35 43 34	Soil Reinforcement Scour Protection
22-35 43 35	Slope Protection Scour Protection
22-35 43 36	Gabion Scour Protection
22-35 43 37	Riprap Scour Protection
22-35 43 53	Wall Scour Protection
22-35 43 53 13	Concrete Unit Masonry Wall Scour Protection
22-35 43 53 16	Segmental Wall Scour Protection
22-35 43 53 40	Stone Wall Scour Protection
22-35 49 00	Waterway Structures
22-35 49 13	Floodwalls
22-35 49 13 13	Concrete Floodwalls
22-35 49 13 16	Masonry Floodwalls
22-35 49 23	Waterway Locks
22-35 49 23 13	Concrete Waterway Locks
22-35 49 23 23	Piling Waterway Locks
22-35 49 26	Floodgate Machinery

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-35 50 00	Marine Construction and Equipment
22-35 51 00	Floating Construction
22-35 51 13	Floating Piers
22-35 51 13 23	Floating Wood Piers
22-35 51 13 26	Floating Plastic Piers
22-35 51 23	Pontoons
22-35 52 00	Offshore Platform Construction
22-35 52 13	Fixed Offshore Platform Construction
22-35 52 23	Semi-Submersible Offshore Platform Construction
22-35 52 33	Floating Offshore Platform Construction
22-35 53 00	Underwater Construction
22-35 53 23	Underwater Harbor Deepening
22-35 53 33	Underwater Pipeline Construction
22-35 53 43	Underwater Foundation Construction
22-35 53 53	Underwater Structures Construction
22-35 53 63	Underwater Waterproofing
22-35 59 00	Marine Specialties
22-35 59 13	Marine Fenders
22-35 59 13 13	Prestressed Concrete Marine Fender Piling
22-35 59 13 16	Resilient Foam-Filled Marine Fenders
22-35 59 13 19	Rubber Marine Fenders
22-35 59 23	Buoys
22-35 59 23 13	Mooring Buoys
22-35 59 23 16	Anchor Pendant Buoys
22-35 59 23 19	Navigation Buoys
22-35 59 29	Mooring Devices
22-35 59 29 13	Quick-Release Mooring Hooks
22-35 59 29 16	Laser Docking Systems
22-35 59 29 19	Capstans
22-35 59 33	Marine Bollards and Cleats
22-35 59 33 13	Cast-Steel Marine Bollards and Cleats
22-35 59 33 16	Cast-Iron Marine Bollards and Cleats
22-35 59 33 19	Stainless-Steel Marine Bollards and Cleats
22-35 59 33 23	Plastic Marine Bollards and Cleats
22-35 59 93	Marine Chain and Accessories
22-35 59 93 13	Marine Chain
22-35 59 93 16	Marine Shackles
22-35 59 93 19	Marine Chain Tensioners
22-35 70 00	Dam Construction and Equipment
22-35 71 00	Gravity Dams
22-35 71 13	Concrete Gravity Dams
22-35 71 16	Masonry Gravity Dams
22-35 71 19	Rockfill Gravity Dams
22-35 72 00	Arch Dams

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-35 72 13	Concrete Arch Dams
22-35 73 00	Embankment Dams
22-35 73 13	Earth Embankment Dam
22-35 73 16	Rock Embankment Dams
22-35 74 00	Buttress Dams
22-35 74 13	Concrete Buttress Dams
22-35 79 00	Auxiliary Dam Structures
22-35 79 13	Fish Ladders
22-35 79 13 13	Concrete Fish Ladders
22-40 00 00	<b>Process Integration</b>
22-40 01 00	Operation and Maintenance of Process Integration
22-40 01 10	Operation and Maintenance of Gas and Vapor Process Piping
22-40 01 20	Operation and Maintenance of Liquids Process Piping
22-40 01 30	Operation and Maintenance of Solid and Mixed Materials Piping and Chutes
22-40 01 40	Operation and Maintenance of Process Piping and Equipment Protection
22-40 05 00	Common Work Results for Process Integration
22-40 05 13	Common Work Results for Process Piping
22-40 05 13 13	Steel Process Piping
22-40 05 13 16	Lined or Internally-Coated Steel Process Piping
22-40 05 13 19	Stainless-Steel Process Piping
22-40 05 13 23	Aluminum Alloys Process Piping
22-40 05 13 33	Brass, Bronze, Copper, and Copper Alloys Process Piping
22-40 05 13 43	Nickel and Nickel Alloys Process Piping
22-40 05 13 53	Ductile, Malleable, and Cast Iron Alloys Process Piping
22-40 05 13 63	Titanium and Titanium Alloys Process Piping
22-40 05 13 73	Plastic Process Piping
22-40 05 13 76	Fiberglass-Reinforced Plastic and Resins Process Piping
22-40 05 13 93	Other Metals Process Piping
22-40 05 23	Common Work Results for Process Valves
22-40 05 23 13	Carbon Steel Process Valves
22-40 05 23 16	Low and Intermediate Alloy Steel Process Valves
22-40 05 23 19	Stainless-Steel Process Valves
22-40 05 23 33	Brass and Iron Process Valves
22-40 05 23 43	Nickel and Nickel Alloys Steel Process Valves
22-40 05 23 73	Plastic and Plastic Lined Process Valves
22-40 05 23 93	Other Metals Process Valves
22-40 10 00	Gas and Vapor Process Piping
22-40 11 00	Steam Process Piping
22-40 11 13	Low-Pressure Steam Process Piping
22-40 11 16	Intermediate-Pressure Steam Process Piping
22-40 11 19	High-Pressure Steam Process Piping
22-40 11 23	Condensate Process Piping
22-40 12 00	Compressed Air Process Piping
22-40 12 13	Breathing Compressed Air Process Piping

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-40 12 16	Non-Breathing Compressed Air Process Piping
22-40 13 00	Inert Gases Process Piping
22-40 13 13	Argon Process Piping
22-40 13 16	Carbon-Dioxide Process Piping
22-40 13 19	Helium Process Piping
22-40 13 23	Krypton Process Piping
22-40 13 26	Neon Process Piping
22-40 13 29	Nitrogen Process Piping
22-40 13 33	Xenon Process Piping
22-40 13 93	Mixed Inert Gases Process Piping
22-40 14 00	Fuel Gases Process Piping
22-40 14 13	Blast Furnace Piping
22-40 14 16	Blue (Water) Fuel Gas Piping
22-40 14 19	Butane Piping
22-40 14 23	Carbon-Monoxide Piping
22-40 14 26	Chlorine Fuel Gas Piping
22-40 14 29	Coke Oven Gas Piping
22-40 14 33	Ethane-Gas Piping
22-40 14 36	Hydrogen Fuel Gas Piping
22-40 14 39	Liquid Natural-Gas Process Piping
22-40 14 43	Methylacetylene-Propadiene Fuel Gas Piping
22-40 14 49	Natural-Gas Process Piping
22-40 14 49 13	Synthetic Natural-Gas Piping
22-40 14 49 23	Propane-Air Mixes Fuel Gas Piping
22-40 14 53	Octane Fuel Gas Piping
22-40 14 59	Propane Fuel Gas Process Piping
22-40 14 63	Sewage Fuel Gas Piping
22-40 14 93	Mixed Fuel Gases Piping
22-40 15 00	Combustion System Gas Piping
22-40 15 13	Combustion Air Piping
22-40 15 16	Oxygen Combustion System Gas Piping
22-40 15 19	Flue-Gas Combustion System Piping
22-40 15 23	Exothermic-Gas Combustion System Piping
22-40 15 26	Endothermic-Gas Combustion System Piping
22-40 15 29	Disassociated-Ammonia-Gas Combustion System Piping
22-40 16 00	Specialty and High-Purity Gases Piping
22-40 16 13	Ammonia Gas Piping
22-40 16 16	Boron Gas Piping
22-40 16 26	Diborane Gas Piping
22-40 16 29	Fluorine Gas Piping
22-40 16 33	Hydrogen Sulfide Gas Piping
22-40 16 36	Nitrous-Oxide Gas Process Piping
22-40 16 39	Ozone Gas Piping
22-40 16 43	Phosphine Gas Piping

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-40 16 46	Silane Gas Piping
22-40 16 49	Sulfur-Dioxide Gas Piping
22-40 16 53	Specialty Gas Mixtures Piping
22-40 16 56	High-Purity Gas Piping Components
22-40 17 00	Welding and Cutting Gases Piping
22-40 17 13	Acetylene Welding and Cutting Piping
22-40 17 16	Acetylene-Hydrogen Mix Welding and Cutting Piping
22-40 17 19	Methylacetylene-Propadiene Welding and Cutting Piping
22-40 17 23	Oxygen Welding and Cutting Piping
22-40 17 26	Inert Gas Welding and Cutting Piping
22-40 18 00	Vacuum Systems Process Piping
22-40 18 13	Low-Vacuum Systems Process Piping
22-40 18 16	High-Vacuum Systems Process Piping
22-40 20 00	Liquids Process Piping
22-40 21 00	Liquid Fuel Process Piping
22-40 21 13	Bio Fuels Process Piping
22-40 21 16	Gasoline Process Piping
22-40 21 19	Diesel Process Piping
22-40 21 23	Fuel-Oils Process Piping
22-40 21 23 13	No. 2 Fuel-Oil Process Piping
22-40 21 23 16	No. 4 Fuel-Oil Process Piping
22-40 21 23 19	No. 5 Fuel-Oil Process Piping
22-40 21 23 23	No. 6 Fuel-Oil Process Piping
22-40 21 23 26	Kerosene Process Piping
22-40 21 23 29	Tar Process Piping
22-40 22 00	Petroleum Products Piping
22-40 22 13	Heavy-Fractions Petroleum Products Piping
22-40 22 16	Light-Fractions Petroleum Products Piping
22-40 23 00	Water Process Piping
22-40 23 13	De-Ionized Water Process Piping
22-40 23 16	Distilled-Water Process Piping
22-40 23 19	Process Plant Water Piping
22-40 23 23	Potable Water Process Piping
22-40 23 29	Recirculated Water Process Piping
22-40 23 33	Reverse-Osmosis Water Process Piping
22-40 23 36	Sanitary Water Process Piping
22-40 24 00	Specialty Liquid Chemicals Piping
22-40 24 13	Alcohol Piping
22-40 24 16	Gel Piping
22-40 24 19	Slurries Process Piping
22-40 24 23	Thixotropic Liquid Piping
22-40 25 00	Liquid Acids and Bases Piping
22-40 25 13	Liquid Acids Piping
22-40 25 16	Liquid Bases Piping

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-40 26 00	Liquid Polymer Piping
22-40 30 00	Solid and Mixed Materials Piping and Chutes
22-40 32 00	Bulk Materials Piping and Chutes
22-40 32 13	Abrasive Materials Piping and Chutes
22-40 32 16	Nonabrasive Materials Piping and Chutes
22-40 33 00	Bulk Materials Valves
22-40 33 13	Airlock Bulk Materials Valves
22-40 33 16	Blind Bulk Materials Valves
22-40 33 19	Butterfly Bulk Materials Valves
22-40 33 23	Cone Bulk Materials Valves
22-40 33 26	Diverter Bulk Materials Valves
22-40 33 29	Double or Single Dump Bulk Materials Valves
22-40 33 33	Knife and Slide Gate Bulk Materials Valves
22-40 33 36	Pinch Bulk Materials Valves
22-40 33 39	Swing Bulk Materials Valves
22-40 33 43	Specialty Bulk Materials Valves
22-40 34 00	Pneumatic Conveying Lines
22-40 34 13	Dense Phase Pneumatic Conveying Lines
22-40 34 16	Dilute Phase Pneumatic Conveying Lines
22-40 40 00	Process Piping and Equipment Protection
22-40 41 00	Process Piping and Equipment Heat Tracing
22-40 41 13	Process Piping Heat Tracing
22-40 41 13 13	Process Piping Electrical Resistance Heat Tracing
22-40 41 13 16	Process Piping Electrical Conductance Heat Tracing
22-40 41 13 19	Process Piping Gas Heat Tracing
22-40 41 13 23	Process Piping Steam Heat Tracing
22-40 41 13 26	Process Piping Thermal Fluids Heat Tracing
22-40 41 23	Process Equipment Heat Tracing
22-40 41 23 13	Process Equipment Electrical Resistance Heat Tracing
22-40 41 23 16	Process Equipment Electrical Conductance Heat Tracing
22-40 41 23 19	Process Equipment Gas Heat Tracing
22-40 41 23 23	Process Equipment Steam Heat Tracing
22-40 41 23 26	Process Equipment Thermal Fluids Heat Tracing
22-40 42 00	Process Piping and Equipment Insulation
22-40 42 13	Process Piping Insulation
22-40 42 13 13	Cryogenic Temperature Process Piping Insulation
22-40 42 13 16	Low Temperature Process Piping Insulation
22-40 42 13 19	Intermediate Temperature Process Piping Insulation
22-40 42 13 23	High Temperature Process Piping Insulation
22-40 42 13 26	Process Piping Insulation for Specialty Applications
22-40 42 23	Process Equipment Insulation
22-40 42 23 13	Cryogenic Temperature Process Equipment Insulation
22-40 42 23 16	Low Temperature Process Equipment Insulation
22-40 42 23 19	Intermediate Temperature Process Equipment Insulation



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-40 42 23 23	High Temperature Process Equipment Insulation
22-40 42 23 26	Process Equipment Insulation for Specialty Applications
22-40 46 00	Process Corrosion Protection
22-40 46 16	Coatings and Wrappings for Process Corrosion Protection
22-40 46 42	Cathodic Process Corrosion Protection
22-40 47 00	Refractories
22-40 47 13	Silica Refractories
22-40 47 16	Alumina Refractories
22-40 47 19	Carbon and Graphite Refractories
22-40 47 23	Castable Refractories
22-40 47 26	Rammed Refractories
22-40 47 29	Refractory Concrete
22-40 80 00	Commissioning of Process Systems
22-40 90 00	Instrumentation and Control for Process Systems
22-40 91 00	Primary Process Measurement Devices
22-40 91 13	Chemical Properties Process Measurement Devices
22-40 91 13 13	Ammonia Process Measurement Devices
22-40 91 13 16	Chlorine Process Measurement Devices
22-40 91 13 19	Fluoride Process Measurement Devices
22-40 91 13 23	Gas Analysis Process Measurement Devices
22-40 91 13 26	Gas Chromatograph Process Measurement Devices
22-40 91 13 29	pH Level Process Measurement Devices
22-40 91 16	Electromagnetic Process Measurement Devices
22-40 91 16 13	Amperes Process Measurement Devices
22-40 91 16 16	Capacitance Process Measurement Devices
22-40 91 16 19	Conductivity Process Measurement Devices
22-40 91 16 23	Inductance Process Measurement Devices
22-40 91 16 26	Lumens Process Measurement Devices
22-40 91 16 29	Magnetic Field Process Measurement Devices
22-40 91 16 33	Electrical Power Process Measurement Devices
22-40 91 16 36	Radiation Process Measurement Devices
22-40 91 16 39	Electrical Resistance Process Measurement Devices
22-40 91 16 43	Ultraviolet Sensors
22-40 91 16 46	Voltage Process Measurement Devices
22-40 91 19	Physical Properties Process Measurement Devices
22-40 91 19 13	Density Process Measurement Devices
22-40 91 19 16	Humidity Process Measurement Devices
22-40 91 19 19	Mass Process Measurement Devices
22-40 91 19 23	Particle Counters Process Measurement Devices
22-40 91 19 26	Gas Pressure Process Measurement Devices
22-40 91 19 29	Liquid Pressure Process Measurement Devices
22-40 91 19 33	Stress/Strain Process Measurement Devices
22-40 91 19 36	Temperature Process Measurement Devices
22-40 91 19 39	Vapor Pressure Process Measurement Devices

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-40 91 19 43	Weight Process Measurement Devices
22-40 91 23	Miscellaneous Properties Measurement Devices
22-40 91 23 13	Acceleration Process Measurement Devices
22-40 91 23 16	Angle Process Measurement Devices
22-40 91 23 19	Color Process Measurement Devices
22-40 91 23 23	Count Process Measurement Devices
22-40 91 23 26	Distance Process Measurement Devices
22-40 91 23 29	Energy Process Measurement Devices
22-40 91 23 33	Flow Process Measurement Devices
22-40 91 23 36	Level Process Measurement Devices
22-40 91 23 39	Physical Resistance Process Measurement Devices
22-40 91 23 43	RPM Process Measurement Devices
22-40 91 23 46	Time Process Measurement Devices
22-40 91 23 49	Turbidity Process Measurement Devices
22-40 91 23 53	Velocity Process Measurement Devices
22-40 92 00	Primary Control Devices
22-40 92 13	Primary Control Valves
22-40 92 13 13	Electrically-Operated Primary Control Valves
22-40 92 13 16	Hydraulically-Operated Primary Control Valves
22-40 92 13 19	Pneumatically-Operated Primary Control Valves
22-40 92 13 23	Pressure-Relief Primary Control Valves
22-40 92 13 26	Solenoid Primary Control Valves
22-40 92 13 29	Specialty Primary Control Valves
22-40 92 29	Current-To-Pressure Converters
22-40 92 33	Self-Contained Flow Controllers
22-40 92 36	Linear Actuators and Positioners
22-40 92 39	Self-Contained Pressure Regulators
22-40 92 43	Rotary Actuators
22-40 92 46	Saturable Core Reactors
22-40 92 49	Variable Frequency Drives
22-40 92 53	Voltage-To-Pressure Converters
22-40 93 00	Analog Controllers/Recorders
22-40 93 13	Analog Controllers
22-40 93 13 13	Electronic Analog Controllers
22-40 93 13 16	Electro-Hydraulic Analog Controllers
22-40 93 13 19	Electro-Pneumatic Analog Controllers
22-40 93 13 23	Hydraulic Analog Controllers
22-40 93 13 26	Pneumatic Analog Controllers
22-40 93 23	Chart Recorders
22-40 94 00	Digital Process Controllers
22-40 94 13	Digital Process Control Computers
22-40 94 13 13	Host Digital Process Control Computers
22-40 94 13 16	Personal Digital Process Control Computers
22-40 94 13 19	Personal Digital Assistant Digital Process Control Computers

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-40 94 23	Distributed Process Control Systems
22-40 94 33	Human – Machine Interfaces
22-40 94 43	Programmable Logic Process Controllers
22-40 95 00	Process Control Hardware
22-40 95 13	Process Control Panels and Hardware
22-40 95 13 13	Local Process Control Panels and Hardware
22-40 95 13 23	Main Process Control Panels and Hardware
22-40 95 20	Process Control Display Devices
22-40 95 23	Process Control Input/Output Modules
22-40 95 26	Process Control Instrument Air Piping and Devices
22-40 95 33	Process Control Networks
22-40 95 33 13	Cabled Process Control Networks
22-40 95 33 23	Fiber Optic Process Control Networks
22-40 95 33 33	Wireless Process Control Networks
22-40 95 43	Process Control Hardware Interfaces
22-40 95 46	Process Control Mounting Racks and Supports
22-40 95 49	Process Control Routers
22-40 95 53	Process Control Switches
22-40 95 56	Process Control Transformers
22-40 95 63	Process Control Wireless Equipment
22-40 95 63 13	Process Control Wireless Transmitters
22-40 95 63 16	Process Control Wireless Receivers
22-40 95 63 19	Process Control Wireless Repeaters
22-40 95 73	Process Control Wiring
22-40 95 73 23	Process Control Cable
22-40 95 73 33	Process Control Conduit, Raceway and Supports
22-40 95 73 43	Process Control Junction Boxes
22-40 96 00	Process Control Software
22-40 96 10	Process Control Software Architecture
22-40 96 15	Process Control Software Input/Output Lists
22-40 96 20	Process Control Software Instrument Lists
22-40 96 25	Process Control Software Logic Diagrams
22-40 96 30	Process Control Software Loop Diagrams
22-40 96 35	Process Control Software Programming
22-40 96 40	Process Control Software Reports
22-40 97 00	Process Control Auxiliary Devices
22-40 97 10	Process Control Annunciators
22-40 97 15	Process Control Gages
22-40 97 20	Process Control Rotameters
22-40 97 25	Process Control Potentiometers
22-40 97 30	Process Control Test Equipment
22-41 00 00	<b>Material Processing and Handling Equipment</b>
22-41 01 00	Operation and Maintenance of Material Processing and Handling Equipment
22-41 01 10	Operation and Maintenance of Bulk Material Processing Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-41 01 20	Operation and Maintenance of Piece Material Handling Equipment
22-41 01 30	Operation and Maintenance of Manufacturing Equipment
22-41 01 40	Operation and Maintenance of Container Processing and Packaging
22-41 01 50	Operation and Maintenance of Material Storage
22-41 01 60	Operation and Maintenance of Mobile Plant Equipment
22-41 08 00	Commissioning of Material Processing and Handling Equipment
22-41 08 10	Commissioning of Bulk Material Processing Equipment
22-41 08 20	Commissioning of Piece Material Handling Equipment
22-41 08 30	Commissioning of Manufacturing Equipment
22-41 08 40	Commissioning of Container Processing and Packaging
22-41 08 50	Commissioning of Material Storage
22-41 08 60	Commissioning of Mobile Plant Equipment
22-41 10 00	Bulk Material Processing Equipment
22-41 11 00	Bulk Material Sizing Equipment
22-41 11 13	Bulk Material Agglomerators
22-41 11 16	Bulk Material Air Mill Classifiers
22-41 11 19	Bulk Material Centrifuges
22-41 11 23	Bulk Material Crushers
22-41 11 26	Bulk Material Cyclones
22-41 11 29	Bulk Material Fluid Bed Separators
22-41 11 33	Bulk Material Grinders
22-41 11 36	Bulk Material Homogenizers
22-41 11 39	Bulk Material Lump Breakers
22-41 11 43	Bulk Material Mills
22-41 11 46	Bulk Material Pulverizers
22-41 11 49	Bulk Material Screens
22-41 11 53	Bulk Material Shredders
22-41 11 56	Bulk Material Sieves
22-41 12 00	Bulk Material Conveying Equipment
22-41 12 13	Bulk Material Conveyors
22-41 12 13 13	Airslide Bulk Material Conveyors
22-41 12 13 16	Auger Bulk Material Conveyors
22-41 12 13 19	Belt Bulk Material Conveyors
22-41 12 13 23	Container Bulk Material Conveyors
22-41 12 13 26	Drag Chain Bulk Material Conveyors
22-41 12 13 29	Hopper Bulk Material Conveyors
22-41 12 13 33	Reciprocating Bulk Material Conveyors
22-41 12 13 36	Screw Bulk Material Conveyors
22-41 12 13 39	Stacking and Reclaim Bulk Material Conveyors
22-41 12 13 43	Trough Bulk Material Conveyors
22-41 12 13 46	Tube Bulk Material Conveyors
22-41 12 13 49	Vibratory Bulk Material Conveyors
22-41 12 13 53	Weigh Belt Bulk Material Conveyors
22-41 12 16	Bucket Elevators

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-41 12 19	Pneumatic Conveyors
22-41 12 19 13	Dense Phase Pneumatic Conveyors
22-41 12 19 16	Dilute Phase Pneumatic Conveyors
22-41 13 00	Bulk Material Feeders
22-41 13 13	Bin Activators/Live Bin Bottoms
22-41 13 23	Feeders
22-41 13 23 13	Airlock Bulk Material Feeders
22-41 13 23 16	Apron Bulk Material Feeders
22-41 13 23 19	Rotary-Valve Bulk Material Feeders
22-41 13 23 23	Screw Bulk Material Feeders
22-41 13 23 26	Vibratory Bulk Material Feeders
22-41 13 23 29	Volumetric Bulk Material Feeders
22-41 13 23 33	Weigh Bulk Material Feeders
22-41 14 00	Batching Equipment
22-41 14 13	Bag-Handling Batching Equipment
22-41 14 16	Batch Cars/Transports
22-41 14 19	Batch Hoppers
22-41 14 23	Bulk Bag-Handling Batching Equipment
22-41 14 26	Blenders
22-41 14 29	Drum-Handling Batching Equipment
22-41 14 33	Mixers
22-41 14 36	Weigh Scales
22-41 20 00	Piece Material Handling Equipment
22-41 21 00	Conveyors
22-41 21 13	Automatic Guided Vehicle Systems
22-41 21 23	Piece Material Conveyors
22-41 21 23 13	Belt Piece Material Conveyors
22-41 21 23 16	Container Piece Material Conveyors
22-41 21 23 19	Drag-Chain Piece Material Conveyors
22-41 21 23 23	Hopper Piece Material Conveyors
22-41 21 23 26	Monorail Piece Material Conveyors
22-41 21 23 29	Power and Free Piece Material Conveyors
22-41 21 23 33	Reciprocating Piece Material Conveyors
22-41 21 23 36	Roller Piece Material Conveyors
22-41 21 23 39	Vibratory Piece Material Conveyors
22-41 21 23 43	Walking-Beam Piece Material Conveyors
22-41 21 23 46	Weigh-Belt Piece Material Conveyors
22-41 21 23 53	Postal Conveyors
22-41 21 26	Piece Material Diverter Gates
22-41 21 29	Piece Material Gravity Slides
22-41 21 33	Piece Material Transfer Cars
22-41 21 36	Piece Material Turntables
22-41 21 39	Piece Material Feeders
22-41 21 39 13	Piece Material Vibratory Feeders

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-41 22 00	Cranes and Hoists
22-41 22 13	Cranes
22-41 22 13 13	Bridge Cranes
22-41 22 13 16	Gantry Cranes
22-41 22 13 19	Jib Cranes
22-41 22 13 23	Mobile Cranes
22-41 22 13 26	Tower Cranes
22-41 22 13 29	Specialty Cranes
22-41 22 23	Hoists
22-41 22 23 13	Fixed Hoists
22-41 22 23 16	Portable Hoists
22-41 22 23 19	Monorail Hoists
22-41 22 23 23	Specialty Hoists
22-41 22 33	Derricks
22-41 23 00	Lifting Devices
22-41 23 13	Clamps
22-41 23 16	Grabs
22-41 23 19	Hooks
22-41 23 23	Lifts
22-41 23 26	Slings
22-41 23 29	Spreader Bars/Beams
22-41 23 33	Tongs
22-41 24 00	Specialty Material Handling Equipment
22-41 24 13	Aeration Devices
22-41 24 16	Bin Vibrators
22-41 24 19	Dehydrators
22-41 24 23	Hydrators
22-41 24 26	Hydraulic Power Systems
22-41 24 29	Lubrication Systems
22-41 24 33	Magnetic Separators
22-41 24 36	Metal Detectors
22-41 24 39	Railcar Movers
22-41 24 43	Turnheads/Distributors
22-41 24 46	Sorting Machines
22-41 24 46 13	Postal Sorting Machines
22-41 30 00	Manufacturing Equipment
22-41 31 00	Manufacturing Lines and Equipment
22-41 31 13	Manufacturing Lines
22-41 31 13 13	Assembly Lines
22-41 31 13 16	Casting Lines
22-41 31 13 19	Coating Lines
22-41 31 13 23	Converting Lines
22-41 31 13 26	Disassembly Lines
22-41 31 13 29	Extrusion Lines

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-41 31 13 33	Machining Lines
22-41 31 13 36	Molding Lines
22-41 31 13 39	Finishing/Painting Lines
22-41 31 13 43	Painting Lines
22-41 31 13 46	Pickling Lines
22-41 31 13 49	Plating Lines
22-41 31 13 53	Polishing Lines
22-41 31 13 56	Press Lines
22-41 31 13 59	Rolling/Calendaring Lines
22-41 31 13 63	Web Processing Lines
22-41 31 16	Pick and Place Systems
22-41 31 19	Manufacturing-Line Robots
22-41 31 23	Specialty Assembly Machines
22-41 32 00	Forming Equipment
22-41 32 13	Bending Equipment
22-41 32 16	Blow-Molding Equipment
22-41 32 19	Brake-Forming Equipment
22-41 32 23	Cold-Forming Equipment
22-41 32 26	Die-Casting Equipment
22-41 32 29	Drawing Equipment
22-41 32 33	Electroforming Equipment
22-41 32 36	Forging Equipment
22-41 32 39	Extruding Equipment
22-41 32 43	Metal-Spinning Equipment
22-41 32 46	Piercing Equipment
22-41 32 49	Powder Metal-Forming Equipment
22-41 32 53	Pressing Equipment
22-41 32 56	Roll-Forming Equipment
22-41 32 59	Shearing Equipment
22-41 32 63	Spinning Equipment
22-41 32 66	Stretching/Leveling Equipment
22-41 32 69	Swaging Equipment
22-41 33 00	Machining Equipment
22-41 33 13	Automatic Screw Machining Equipment
22-41 33 16	Boring Equipment
22-41 33 19	Broaching Equipment
22-41 33 23	Drilling Equipment
22-41 33 26	Electro-Discharge Machining Equipment
22-41 33 29	Grinding Equipment
22-41 33 33	Hobbing Equipment
22-41 33 36	Lapping Equipment
22-41 33 39	Lathe Equipment
22-41 33 43	Leveling Equipment
22-41 33 46	Machining Center Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-41 33 53	Milling Equipment
22-41 33 53 13	Horizontal Milling Equipment
22-41 33 53 16	Vertical Milling Equipment
22-41 33 60	Multi-Axis Machine Equipment
22-41 33 63	Planing Equipment
22-41 33 66	Reaming Equipment
22-41 33 69	Routing Equipment
22-41 33 73	Sawing Equipment
22-41 33 76	Shaping Equipment
22-41 33 79	Threading Equipment
22-41 34 00	Finishing Equipment
22-41 34 13	Anodizing Equipment
22-41 34 16	Barrel Tumbling Equipment
22-41 34 23	Coating Equipment
22-41 34 23 13	Diffusion Coating Equipment
22-41 34 23 16	Dipping Coating Equipment
22-41 34 23 19	Film Coating Equipment
22-41 34 23 23	Phosphatizing Coating Equipment
22-41 34 23 26	Plasma Coating Equipment
22-41 34 23 29	Hardface Welding Coating Equipment
22-41 34 23 33	Spray Painting Booth
22-41 34 26	Deburring Equipment
22-41 34 36	Electroplating Equipment
22-41 34 46	Grinding Equipment
22-41 34 49	Honing Equipment
22-41 34 53	Lapping Equipment
22-41 34 56	Shot Peening Equipment
22-41 34 59	Superfinishing/Polishing Equipment
22-41 35 00	Dies and Molds
22-41 35 13	Dies
22-41 35 13 13	Drawing Dies
22-41 35 13 16	Extrusion Dies
22-41 35 13 19	Press Dies
22-41 35 13 23	Rotary Dies
22-41 35 13 26	Rule Dies
22-41 35 33	Molds
22-41 36 00	Assembly and Testing Equipment
22-41 36 13	Applicators
22-41 36 13 13	Adhesive Applicators
22-41 36 13 16	Lubricant Applicators
22-41 36 13 19	Sealer Applicators
22-41 36 16	Fixtures and Jigs
22-41 36 19	Joining Equipment
22-41 36 19 13	Adhesive Joining Equipment



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-41 36 19 16	Arc-Welding Equipment
22-41 36 19 19	Brazing Equipment
22-41 36 19 23	Resistance-Welding Equipment
22-41 36 19 26	Riveting Equipment
22-41 36 19 29	Sintering Equipment
22-41 36 19 33	Soldering Equipment
22-41 36 23	Cutting Equipment
22-41 36 23 13	Cutting Torches
22-41 36 23 16	High-Pressure Water Cutting Equipment
22-41 36 23 19	Laser Cutting Equipment
22-41 36 23 23	Plasma Cutting Equipment
22-41 36 26	Process Tools
22-41 36 26 13	Air Process Tools
22-41 36 26 16	Electric Process Tools
22-41 36 26 19	Hydraulic Process Tools
22-41 36 26 23	Manual Process Tools
22-41 36 29	Manufacturing Measurement and Testing Equipment
22-41 36 29 13	Gages, Rules, and Blocks
22-41 36 29 16	Penetrant Measurement and Testing Equipment
22-41 36 29 19	Laser Measurement and Testing Equipment
22-41 36 29 23	Magnaflux Measurement and Testing Equipment
22-41 36 29 26	Optical Comparators
22-41 36 29 29	Profilometers
22-41 36 29 33	Radiograph Measurement and Testing Equipment
22-41 36 29 36	Surface Tables
22-41 36 29 39	Ultrasonic Measurement and Testing Equipment
22-41 36 29 43	Test Weigh Scales
22-41 40 00	Container Processing and Packaging
22-41 41 00	Container Filling and Sealing
22-41 41 13	Bulk Container Fillers/Packers
22-41 41 16	Container Cappers
22-41 41 19	Container Fillers
22-41 41 19 13	Bag Fillers
22-41 41 19 16	Box Fillers
22-41 41 19 19	Bottle Fillers
22-41 41 23	Container Sealers
22-41 42 00	Container Packing Equipment
22-41 42 13	Box Packing Equipment
22-41 42 13 13	Box Makers
22-41 42 13 16	Box Packers
22-41 42 16	Bulk Material Loaders
22-41 42 16 13	Container Bulk Material Loaders
22-41 42 16 23	Truck Bulk Material Loaders
22-41 42 16 26	Railcar Bulk Material Loaders

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-41 42 16 29	Ship Bulk Material Loaders
22-41 42 16 33	Barge Bulk Material Loaders
22-41 42 19	Carton Packers
22-41 42 23	Carton Sealers
22-41 42 26	Carton Shrink Wrappers
22-41 42 29	Carton Stackers
22-41 43 00	Shipping Packaging
22-41 43 13	Banding/Strapping Equipment
22-41 43 16	Barcode Equipment
22-41 43 16 13	Barcode Readers
22-41 43 16 16	Barcode Printers
22-41 43 19	Labeling Equipment
22-41 43 23	Pallet Stacking/Wrapping Equipment
22-41 50 00	Material Storage
22-41 51 00	Automatic Material Storage
22-41 51 13	Automatic Storage/Automatic Retrieval Systems
22-41 52 00	Bulk Material Storage
22-41 52 13	Bins and Hoppers
22-41 52 13 13	Fixed Bins and Hoppers
22-41 52 13 23	Portable Bins and Hoppers
22-41 52 13 33	Bulk Material Containers
22-41 52 13 43	Returnable Bins and Hoppers
22-41 52 13 53	Throwaway Bins and Hoppers
22-41 52 16	Silos
22-41 52 16 13	Concrete Silos
22-41 52 16 16	Concrete Masonry Unit Silos
22-41 52 16 19	Steel Silos
22-41 52 19	Material Storage Tanks
22-41 52 19 13	Horizontal Material Storage Tanks
22-41 52 19 23	Vertical Material Storage Tanks
22-41 52 19 33	Portable Material Storage Tanks
22-41 53 00	Storage Equipment and Systems
22-41 53 13	Storage Cabinets
22-41 53 16	Container Storage Systems
22-41 53 19	Flat Files
22-41 53 23	Storage Racks
22-41 53 23 13	Mobile Storage Racks
22-41 53 26	Mezzanine Storage Systems
22-41 60 00	Mobile Plant Equipment
22-41 61 00	Mobile Earth Moving Equipment
22-41 61 13	Backhoes
22-41 61 16	Bulldozers
22-41 61 19	Compactors
22-41 61 23	Excavators

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-41 61 26	Graders
22-41 61 29	Payloaders
22-41 61 33	Trenchers
22-41 62 00	Trucks
22-41 62 13	Cement Mixer Trucks
22-41 62 16	Dump Trucks
22-41 62 19	Flatbed Trucks
22-41 62 23	Forklift Trucks
22-41 62 26	Pickup Trucks
22-41 62 29	Tank Trucks
22-41 63 00	General Vehicles
22-41 63 13	Bicycles
22-41 63 16	Carts
22-41 63 19	Maintenance Vehicles
22-41 63 23	Utility Vehicles
22-41 63 26	Vans
22-41 63 29	Wagons
22-41 64 00	Rail Vehicles
22-41 64 13	Locomotives
22-41 64 13 13	Diesel Locomotives
22-41 64 13 23	Electric Locomotives
22-41 64 16	Mobile Railcar Movers
22-41 65 00	Mobile Support Equipment
22-41 65 13	Mobile Air Compressors
22-41 65 16	Mobile Generators
22-41 65 19	Mobile Welders
22-41 66 00	Miscellaneous Mobile Equipment
22-41 66 13	Mobile Boring and Drilling Rigs
22-41 66 16	Mobile Lifts and Cherrypickers
22-41 66 19	Mobile Paving Equipment
22-41 66 23	Mobile Sweepers/Vacuums
22-41 67 00	Plant Maintenance Equipment
22-41 67 13	Plant Lube Oil System
22-41 67 16	Plant Fall Protection Equipment
22-41 67 19	Plant Safety Equipment
22-41 67 23	Plant Maintenance Tools
22-41 67 26	Plant Maintenance Washing Equipment
22-42 00 00	<b>Process Heating, Cooling, and Drying Equipment</b>
22-42 01 00	Operation and Maintenance of Process Heating, Cooling, and Drying Equipment
22-42 01 10	Operation and Maintenance of Process Heating Equipment
22-42 01 20	Operation and Maintenance of Process Cooling Equipment
22-42 01 30	Operation and Maintenance of Process Drying Equipment
22-42 08 00	Commissioning of Process Heating, Cooling, and Drying Equipment
22-42 08 10	Commissioning of Heating Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-42 08 20	Commissioning of Cooling Equipment
22-42 08 30	Commissioning of Drying Equipment
22-42 10 00	Process Heating Equipment
22-42 11 00	Process Boilers
22-42 11 13	Low-Pressure Process Boilers
22-42 11 16	Intermediate-Pressure Process Boilers
22-42 11 19	High-Pressure Process Boilers
22-42 11 23	Specialty Process Boilers
22-42 12 00	Process Heaters
22-42 12 13	Electric Process Heaters
22-42 12 16	Fuel-Fired Process Heaters
22-42 12 19	Thermoelectric Process Heaters
22-42 12 23	Solar Process Heaters
22-42 12 26	Specialty Process Heaters
22-42 13 00	Industrial Heat Exchangers and Recuperators
22-42 13 13	Industrial Gas-to-Gas Heat Exchangers
22-42 13 16	Industrial Liquid-to-Gas/Gas-to-Liquid Heat Exchangers
22-42 13 19	Industrial Liquid-to-Liquid Heat Exchangers
22-42 13 23	Industrial Gas Radiation Heat Exchangers
22-42 13 26	Industrial Solar Radiation Heat Exchangers
22-42 14 00	Industrial Furnaces
22-42 14 13	Annealing Furnaces
22-42 14 16	Atmosphere Generators
22-42 14 19	Industrial Baking Furnaces
22-42 14 23	Industrial Brazing Furnaces
22-42 14 26	Industrial Calcining Furnaces
22-42 14 29	Industrial Heat-Treating Furnaces
22-42 14 33	Industrial Melting Furnaces
22-42 14 33 13	Ceramics and Glass Melting Furnaces
22-42 14 33 16	Ferrous Melting Furnaces
22-42 14 33 19	Non-Ferrous Melting Furnaces
22-42 14 36	Primary Refining Furnaces
22-42 14 43	Reactor Furnaces
22-42 14 46	Industrial Reheat Furnaces
22-42 14 53	Industrial Sintering Furnaces
22-42 14 56	Industrial Vacuum Furnaces
22-42 15 00	Industrial Ovens
22-42 15 13	Industrial Drying Ovens
22-42 15 16	Industrial Curing Ovens
22-42 15 19	Industrial Specialty Ovens
22-42 20 00	Process Cooling Equipment
22-42 21 00	Process Cooling Towers
22-42 21 13	Open-Circuit Process Cooling Towers
22-42 21 16	Closed-Circuit Process Cooling Towers

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-42 22 00	Process Chillers and Coolers
22-42 22 13	Centrifugal Process Chillers and Coolers
22-42 22 16	Reciprocating Process Chillers and Coolers
22-42 22 19	Refrigerant Process Chillers and Coolers
22-42 22 23	Rotary Process Chillers and Coolers
22-42 22 26	Thermoelectric Process Chillers and Coolers
22-42 23 00	Process Condensers and Evaporators
22-42 23 13	Process Condensers
22-42 23 16	Process Cooling Evaporators
22-42 23 19	Process Humidifiers
22-42 30 00	Process Drying Equipment
22-42 31 00	Gas Dryers and Dehumidifiers
22-42 31 13	Drying Evaporators
22-42 31 16	Desiccant Equipment
22-42 31 19	Regenerative Dryers
22-42 31 23	Refrigerant Dryers
22-42 32 00	Material Dryers
22-42 32 13	Centrifugal Material Dryers
22-42 32 16	Conveyor Material Dryers
22-42 32 19	Flash Material Dryers
22-42 32 23	Fluid-Bed Material Dryers
22-42 32 26	Material Roasters
22-42 32 29	Rotary-Kiln Material Dryers
22-42 32 33	Spray Material Dryers
22-42 32 36	Tower Material Dryers
22-42 32 39	Vacuum Material Dryers
22-42 32 43	Specialty Material Dryers
22-43 00 00	<b>Process Gas and Liquid Handling, Purification, and Storage Equipment</b>
22-43 01 00	Operation and Maintenance of Process Gas and Liquid Handling, Purification, and Storage Equipment
22-43 01 10	Operation and Maintenance of Gas Handling Equipment
22-43 01 10 13	Gas Blowers Maintenance and Rehabilitation
22-43 01 10 16	Gas Compressors Maintenance and Rehabilitation
22-43 01 20	Operation and Maintenance of Liquid Handling Equipment
22-43 01 20 13	Liquid Pumps Maintenance and Rehabilitation
22-43 01 20 16	Liquid Process Equipment Maintenance and Rehabilitation
22-43 01 30	Operation and Maintenance of Gas and Liquid Hi-Purification Equipment
22-43 01 40	Operation and Maintenance of Gas and Liquid Storage
22-43 01 40 13	Non-pressurized Tanks Cleaning, Maintenance, and Rehabilitation
22-43 01 40 16	Pressurized Tanks Cleaning, Maintenance, and Rehabilitation
22-43 05 00	Common Work Results for Process Gas and Liquid Handling, Purification and Storage
22-43 05 10	Common Work Results for Gas Handling Equipment
22-43 05 20	Common Work Results for Liquid Handling Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-43 05 30	Common Work Results for Liquid Hi-Purification Equipment
22-43 05 40	Common Work Results for Gas and Liquid Storage
22-43 08 00	Commissioning of Process Gas and Liquid Handling, Purification, and Storage Equipment
22-43 08 10	Commissioning of Gas Handling Equipment
22-43 08 20	Commissioning of Liquid Handling Equipment
22-43 08 30	Commissioning of Gas and Liquid Purification Equipment
22-43 08 40	Commissioning of Gas and Liquid Storage
22-43 10 00	Gas Handling Equipment
22-43 11 00	Gas Fans, Blowers, Pumps, and Boosters
22-43 11 11	Direct Drive Single Stage Centrifugal Blowers
22-43 11 12	Integrally Geared Single Stage Centrifugal Blowers
22-43 11 13	Separately Geared Single Stage Centrifugal Blowers
22-43 11 14	Direct Drive Integral Shaft Single Stage Centrifugal Blowers
22-43 11 17	Horizontally Split Multistage Centrifugal Blowers
22-43 11 18	Vertically Split Multistage Centrifugal Blowers
22-43 11 19	Centrifugal Fans
22-43 11 23	Axial Blowers
22-43 11 26	Axial Fans
22-43 11 31	Rotary Helical Screw Blowers
22-43 11 33	Rotary Lobe Blowers
22-43 11 34	Regenerative Rotary Blowers
22-43 11 36	Rotary Vane Blowers
22-43 11 41	Gas-handling Venturi Jet Pumps
22-43 11 43	Gas-handling Vacuum Pumps
22-43 11 46	Gas Boosters
22-43 12 00	Gas Compressors
22-43 12 11	Centrifugal Compressors
22-43 12 13	Diagonal or Mixed-Flow Compressors
22-43 12 16	Axial-flow Compressors
22-43 12 33	Single-acting Reciprocating Compressors
22-43 12 34	Double-acting Reciprocating Compressors
22-43 12 37	Diaphragm Reciprocating Compressors
22-43 12 51	Rotary Screw Compressors
22-43 12 53	Rotary Vane Compressors
22-43 12 56	Rotary Liquid-ring Compressors
22-43 12 57	Rotary Scroll Compressors
22-43 13 00	Gas Process Equipment
22-43 13 13	Gas Blenders
22-43 13 19	Gas Mixers
22-43 13 23	Gas Pressure Regulators
22-43 13 31	Gas Separation Equipment
22-43 13 33	Gas Dehydration Equipment
22-43 13 36	Combined Gas Separation and Dehydration Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-43 13 39	Gas Recovery and Condensing Equipment
22-43 13 43	Waste Gas Burner System
22-43 13 46	Gas Control and Safety Equipment
22-43 15 00	Process Air and Gas Filters
22-43 15 13	Blower Intake and Turbine Air Filters
22-43 15 13 13	Static Prefilters
22-43 15 13 16	Static Final Filters
22-43 15 13 19	Static HEPA Filters
22-43 15 13 23	Pulse Filters
22-43 15 33	Grease Filters
22-43 15 43	Mist Eliminators
22-43 15 63	High-temperature Air Filters
22-43 15 73	Multiple-application Air Filters
22-43 15 73 11	Air Filter Media
22-43 15 73 12	Permanent Washable Filters
22-43 15 73 13	Poly-ring Air Filters
22-43 15 73 15	Rigid Cell Filters
22-43 15 73 17	Automatic Roll-type Air Filters
22-43 15 76	Chemical Media for Air and Gas Filters
22-43 20 00	Liquid Handling Equipment
22-43 21 00	Liquid Pumps
22-43 21 13	Centrifugal Liquid Pumps
22-43 21 16	Diaphragm Liquid Pumps
22-43 21 19	Dispensing Liquid Pumps
22-43 21 23	Drum Liquid Pumps
22-43 21 26	Gear Liquid Pumps
22-43 21 29	Metering Liquid Pumps
22-43 21 33	Piston/Plunger Liquid Pumps
22-43 21 36	Positive Displacement Liquid Pumps
22-43 21 39	Submersible Liquid Pumps
22-43 21 43	Sump Liquid Pumps
22-43 21 46	Vane Liquid Pumps
22-43 22 00	Liquid Process Equipment
22-43 22 13	Liquid Aeration Devices
22-43 22 16	Liquid Agitators
22-43 22 19	Liquid Blenders
22-43 22 23	Liquid Centrifuges
22-43 22 26	Liquid Deaerators
22-43 22 29	Drum Handling Liquid Process Equipment
22-43 22 33	Liquid Emulsifiers
22-43 22 36	Liquid Evaporators
22-43 22 39	Liquid Feeders
22-43 22 56	Liquid Process Mixers
22-43 22 59	Liquid Process Pressure Regulators

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-43 22 63	Liquid Separation Towers
22-43 22 66	Liquid Weigh Systems
22-43 22 69	Liquid Grease Receiving and Dewatering Systems
22-43 22 73	Liquid Fillers
22-43 22 76	Liquid Screeners
22-43 22 79	Liquid Clarifiers
22-43 22 83	Liquid Classifiers
22-43 22 86	Liquid Homogenizers
22-43 22 89	Liquid Presses
22-43 22 96	Liquid Versators
22-43 22 99	Liquid Votators
22-43 27 00	Process Liquid Filters
22-43 27 13	Cyclonic Liquid Filters
22-43 27 16	Centrifugal Horizontal Pressure Leaf Liquid Filters
22-43 27 19	Press Liquid Filters
22-43 27 23	Liquid Bag Filters
22-43 27 33	Mechanically Cleaned Liquid Filters
22-43 27 43	Tubular Backwashing Liquid Filters
22-43 27 53	Vacuum Belt Liquid Filters
22-43 27 63	Woven Media Liquid Filters
22-43 27 63 13	Disc Liquid Filters
22-43 27 63 23	Rotating Drum Liquid Filters
22-43 27 63 33	Layer Liquid Filters
22-43 27 63 43	Candle Liquid Filters
22-43 27 63 53	Vertical Leaf Liquid Filters
22-43 27 73	Nonwoven Media Liquid Filters
22-43 27 73 13	Surface Liquid Filters
22-43 27 73 23	Depth Liquid Filters
22-43 30 00	Gas and Liquid Purification Equipment
22-43 31 00	Gas and Liquid Purification Filtration Equipment
22-43 31 13	Gas and Liquid Purification Filters
22-43 31 13 13	Activated Carbon-Gas and Liquid Purification Filters
22-43 31 13 16	Gas and Liquid Purification Filter Presses
22-43 31 13 19	High-Purity Cartridge Gas and Liquid Purification Filters
22-43 31 13 23	Membrane Diaphragm Gas and Liquid Purification Filters
22-43 31 13 26	Multimedia Gas and Liquid Purification Filters
22-43 31 13 29	Pretreatment Cartridge Gas and Liquid Purification Filters
22-43 31 13 33	Ultrafilter Units
22-43 32 00	Gas and Liquid Purification Process Equipment
22-43 32 13	Gas and Liquid Purification Process Beds
22-43 32 13 13	Anion-Gas and Liquid Purification Process Beds
22-43 32 13 16	Cation-Gas and Liquid Purification Process Beds
22-43 32 23	Gas and Liquid Purification Process Clarifier Systems
22-43 32 26	Gas and Liquid Purification Decarbonators



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-43 32 29	Electronic De-Ionization Purification Units
22-43 32 33	External Regeneration Systems
22-43 32 36	Mixed-Bed Ion-Exchange Vessels
22-43 32 39	Gas and Liquid Purification Mixed Beds
22-43 32 39 13	Externally Regenerable Gas and Liquid Purification Mixed Beds
22-43 32 39 16	In-Situ Regenerable Gas and Liquid Purification Mixed Beds
22-43 32 53	Packed-Bed Ion-Exchange Vessels
22-43 32 56	Reverse-Osmosis Purification Units
22-43 32 59	Gas and Liquid Purification Scrubbers
22-43 32 63	Ultraviolet Sterilizers
22-43 32 66	Vacuum Degasifiers
22-43 32 69	Chemical Feed Systems
22-43 32 73	Ozonation Equipment
22-43 32 76	Chlorination Equipment
22-43 40 00	Gas and Liquid Storage
22-43 41 00	Non-pressurized Tanks and Vessels
22-43 41 11	Bolted Steel Tanks
22-43 41 13	Welded Steel Tanks
22-43 41 13 13	Glass-lined Welded Steel Tanks
22-43 41 13 23	Rubber-lined Welded Steel Tanks
22-43 41 13 33	Epoxy-lined Welded Steel Tanks
22-43 41 13 43	Ceramic-lined Welded Steel Tanks
22-43 41 23	Stainless Steel Tanks
22-43 41 26	Aluminum Tanks
22-43 41 31	Metallic Specialty Tanks
22-43 41 41	Polyvinyl Chloride Tanks
22-43 41 43	Polyethylene Tanks
22-43 41 45	Fiberglass Reinforced Plastic Tanks
22-43 41 53	Wood Stave Tanks
22-43 41 63	Precast Concrete Tanks
22-43 41 73	Ceramic Tanks
22-43 41 83	Non-metallic Specialty Tanks
22-43 42 00	Pressurized Tanks and Vessels
22-43 42 11	Cast Iron Pressure Tank
22-43 42 13	Ductile Iron Pressure Tanks
22-43 42 21	Welded Steel Pressure Tanks
22-43 42 23	Glass-lined Steel Pressure Tanks
22-43 42 26	Welded Steel Gas Storage Sphere
22-43 42 33	Stainless Steel Pressure Tanks
22-43 42 36	Aluminum Pressure Tanks
22-43 42 41	Metallic Specialty Pressure Tanks
22-43 42 53	Fiberglass Reinforced Plastic Pressure Tanks
22-43 42 83	Non-metallic Specialty Pressure Tanks
22-44 00 00	<b>Pollution and Waste Control Equipment</b>

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-44 01 00	Operation and Maintenance of Pollution and Waste Control Equipment
22-44 01 10	Operation and Maintenance of Air Pollution Control
22-44 01 20	Operation and Maintenance of Noise Pollution Control
22-44 01 30	Operation and Maintenance of Odor Control Equipment
22-44 01 40	Operation and Maintenance of Water Pollution Control Equipment
22-44 01 50	Operation and Maintenance of Solid Waste Control and Reuse
22-44 01 60	Operation and Maintenance of Waste Thermal Processing Equipment
22-44 05 00	Common Work Results for Pollution and Waste Control Equipment
22-44 08 00	Commissioning of Pollution and Waste Control Equipment
22-44 08 10	Commissioning of Air Pollution Control
22-44 08 20	Commissioning of Noise Pollution Control
22-44 08 30	Commissioning of Odor Control Equipment
22-44 08 40	Commissioning Water Pollution Control Equipment
22-44 08 50	Commissioning Solid Waste Control and Reuse
22-44 08 60	Commissioning of Waste Thermal Processing Equipment
22-44 10 00	Air Pollution Control
22-44 11 00	Particulate Control Equipment
22-44 11 13	Fugitive Dust Control
22-44 11 16	Fugitive Dust Barrier Systems
22-44 11 19	Atmospheric Air Quality Monitoring Equipment
22-44 11 20	Gravitational Separators
22-44 11 31	Venturi Scrubbing Equipment
22-44 11 33	Spray Tower/Chamber Scrubbing Equipment
22-44 11 36	Cyclone Scrubbing Equipment
22-44 11 51	Pulse Jet Fabric Filtration Equipment
22-44 11 53	Reverse Flow Fabric Filtration Equipment
22-44 11 54	Shake/Deflate Fabric Filtration Equipment
22-44 11 56	Cartridge Filtration Equipment
22-44 11 59	Disposable Dry Filtration Equipment
22-44 11 71	Cyclone Dust Collection Equipment
22-44 11 73	Multicyclone Dust Collection Equipment
22-44 11 76	Mist Elimination Equipment
22-44 11 93	Wet Electrostatic Precipitator Equipment
22-44 11 96	Dry Plate Electrostatic Precipitator Equipment
22-44 13 00	Gaseous Air Pollution Control Equipment
22-44 13 11	Spray Tower/Chamber Absorption Equipment
22-44 13 13	Packed Tower/Chamber Absorption Equipment
22-44 13 14	Tray Tower Absorption Equipment
22-44 13 16	Jet Bubbling Reactor Equipment
22-44 13 17	Venturi Absorption Equipment
22-44 13 20	Vacuum Extraction Systems
22-44 13 31	Powdered Injection Adsorption Equipment
22-44 13 33	Fluidized Bed Adsorption Equipment
22-44 13 34	Fixed Bed Adsorption Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-44 13 36	Rotary Bed Adsorption Equipment
22-44 13 39	Radial Bed Adsorption Equipment
22-44 13 51	Thermal Oxidation Equipment
22-44 13 53	Catalytic Oxidation Equipment
22-44 13 56	Flare Oxidation Equipment
22-44 13 59	Claus Sulfur Recovery Equipment
22-44 13 71	Thermal Reduction Equipment
22-44 13 73	Catalytic Reduction Equipment
22-44 13 76	Non-catalytic Reduction Equipment
22-44 13 77	Selective Non-catalytic Reduction Equipment
22-44 13 81	Condensation Systems
22-44 13 83	Contact Condensing Equipment
22-44 13 86	Solvent Recovery Equipment
22-44 13 91	Biofilter Media
22-44 13 93	Fixed Bed Biofilter Equipment
22-44 13 96	Fixed Bed Biotrickling Filter Equipment
22-44 13 97	Fixed Bed Bioscrubbing Equipment
22-44 20 00	Noise Pollution Control
22-44 21 00	Noise Pollution Control Equipment
22-44 21 13	Fixed Noise Abatement Barriers
22-44 21 16	Flexible Noise Abatement Barriers
22-44 21 19	Portable Noise Abatement Barriers
22-44 21 23	Noise Pollution Silencers
22-44 21 26	Frequency Cancellers
22-44 30 00	Odor Control
22-44 31 00	Odor Treatment Equipment
22-44 31 11	Wet Chemical Packed Tower Odor Control Equipment
22-44 31 13	Chemical Mist System Odor Control Equipment
22-44 31 16	Activated Carbon Adsorption Odor Control Equipment
22-44 31 19	Packaged Odor Control Systems
22-44 31 21	Odor Control Biofilters
22-44 31 28	Odor Control Biofilter Aeration Floor
22-44 31 29	Odor Control Biofilter Media
22-44 31 31	Odor Control Biotrickling Filter Equipment
22-44 31 33	Odor Control Bioscrubbing Equipment
22-44 31 41	Odor Control Vapor Combustion Equipment
22-44 31 83	Adjusting and Balancing Odor Control Systems
22-44 32 00	Odor Dispersing and Masking/Counteracting Equipment
22-44 32 13	Odor Dispersing Exhaust Stacks
22-44 32 13 13	Fan-equipped Odor Dispersing Exhaust Stacks
22-44 32 23	Odor Masking/Counteracting Equipment
22-44 40 00	Water Pollution Control Equipment
22-44 41 00	Water Pollution Containment and Cleanup Equipment
22-44 41 13	Spill Cleanup

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-44 41 21	Containment Booms
22-44 41 23	Marine Spill Accessories
22-44 41 31	Spill Decks
22-44 41 32	Drum Containment Units
22-44 41 33	Containment Pallets
22-44 41 34	Prefabricated Spill Containment Curbing
22-44 41 36	Prefabricated Spill Containment Berms
22-44 41 37	Prefabricated Berms for Tank Containment
22-44 41 41	Collapsible Storage Tanks
22-44 50 00	Solid Waste Control and Reuse
22-44 51 00	Solid Waste Collection, Transfer, and Hauling Equipment
22-44 51 13	Solid Waste Portable Containers
22-44 51 16	Solid Waste Stationary Containers
22-44 51 23	Solid Waste Transfer Trailers
22-44 53 00	Solid Waste Processing Equipment
22-44 53 11	Live-floor Storage Bins
22-44 53 13	Refuse Cranes and Accessories
22-44 53 16	Solid Waste Screens
22-44 53 21	Car Crushers
22-44 53 23	Shears and Guillotines
22-44 53 26	Shredders and Grinders
22-44 53 27	Perforators
22-44 53 31	Bag Breakers
22-44 53 33	Granulators
22-44 53 36	Crumb Rubber Systems
22-44 53 39	Briquetters
22-44 53 41	Vibratory Table Separation Equipment
22-44 53 43	Ferrous Metals Separation Equipment
22-44 53 44	Eddy Current Separators
22-44 53 46	Single-stream Materials Separation Equipment
22-44 53 49	Ballistic Separators
22-44 53 51	Air Classifying Equipment
22-44 53 52	Air Knives
22-44 53 53	Optical Sorting Equipment
22-44 53 56	Packaged Sorting Stations
22-44 53 59	Packaged Reclaimer Stations
22-44 53 61	Solid Waste Compactors
22-44 53 63	Solid Waste Baling Equipment
22-44 53 64	Bagging Equipment
22-44 53 66	Wrappers
22-44 53 73	Solid Waste Liquid Extraction Equipment
22-44 55 00	Composting Equipment
22-44 55 11	Electromechanical Composters
22-44 55 13	Compost Screening Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-44 55 16	Compost Shredding Equipment
22-44 55 23	Compost Pile Turning Equipment
22-44 55 26	Compost Mixing and Blending Equipment
22-44 55 33	In-vessel Composting Equipment
22-44 55 43	Compost Pad System
22-44 55 73	Compost Liquid Extraction Equipment
22-44 60 00	Waste Thermal Processing Equipment
22-44 61 00	Waste-to-Energy Plants
22-44 61 13	Waste Receiving, Management, and Feed Equipment
22-44 61 16	Mass Burn Combustion Equipment
22-44 61 23	Refuse-derived Fuel Feed Equipment
22-44 61 26	Refuse-derived Fuel Combustion Equipment
22-44 61 29	Modular Combustion System Equipment
22-44 61 31	Ash Handling Equipment
22-44 61 33	Post-combustion Ferrous Metals Recovery Equipment
22-44 61 36	Post-combustion Non-ferrous Metals Recovery Equipment
22-44 62 00	Fluidized Bed Combustion Equipment
22-44 63 00	Rotary Kiln Incinerators
22-44 64 00	Gasification Equipment
22-44 64 13	Counter-current Fixed Bed Gasification Equipment
22-44 64 23	Co-current Fixed Bed Gasification Equipment
22-44 64 33	Fluidized Bed Gasification Equipment
22-44 64 43	Entrained Flow Gasification Equipment
22-44 64 53	Plasma Arc Gasification Equipment
22-44 65 00	Pyrolysis Equipment
22-44 66 00	Hazardous Waste and Medical Waste Incinerators
22-44 67 00	Heat Recovery Equipment for Waste Thermal Processing
22-44 68 00	Synthesis Gas Cleanup and Handling Equipment
22-45 00 00	<b>Industry-Specific Manufacturing Equipment</b>
22-45 08 00	Commissioning of Industry-Specific Manufacturing Equipment
22-45 11 00	Oil and Gas Extraction Equipment
22-45 11 01	Operation and Maintenance of Oil and Gas Extraction Equipment
22-45 13 00	Mining Machinery and Equipment
22-45 13 01	Operation and Maintenance of Mining Machinery and Equipment
22-45 15 00	Food Manufacturing Equipment
22-45 15 01	Operation and Maintenance of Food Manufacturing Equipment
22-45 17 00	Beverage and Tobacco Manufacturing Equipment
22-45 17 01	Operation and Maintenance of Beverage and Tobacco Manufacturing Equipment
22-45 19 00	Textiles and Apparel Manufacturing Equipment
22-45 19 01	Operation and Maintenance of Textiles and Apparel Manufacturing Equipment
22-45 21 00	Leather and Allied Product Manufacturing Equipment
22-45 21 01	Operation and Maintenance of Leather and Allied Product Manufacturing Equipment
22-45 23 00	Wood Product Manufacturing Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-45 23 01	Operation and Maintenance of Wood Product Manufacturing Equipment
22-45 25 00	Paper Manufacturing Equipment
22-45 25 01	Operation and Maintenance of Paper Manufacturing Equipment
22-45 27 00	Printing and Related Manufacturing Equipment
22-45 27 01	Operation and Maintenance of Printing and Related Manufacturing Equipment
22-45 29 00	Petroleum and Coal Products Manufacturing Equipment
22-45 29 01	Operation and Maintenance of Petroleum and Coal Products Manufacturing Equipment
22-45 31 00	Chemical Manufacturing Equipment
22-45 31 01	Operation and Maintenance of Chemical Manufacturing Equipment
22-45 33 00	Plastics and Rubber Manufacturing Equipment
22-45 33 01	Operation and Maintenance of Plastics and Rubber Manufacturing Equipment
22-45 35 00	Nonmetallic Mineral Product Manufacturing Equipment
22-45 35 01	Operation and Maintenance of Nonmetallic Mineral Product Manufacturing Equipment
22-45 37 00	Primary Metal Manufacturing Equipment
22-45 37 01	Operation and Maintenance of Primary Metal Manufacturing Equipment
22-45 39 00	Fabricated Metal Product Manufacturing Equipment
22-45 39 01	Operation and Maintenance of Fabricated Metal Product Manufacturing Equipment
22-45 41 00	Machinery Manufacturing Equipment
22-45 41 01	Operation and Maintenance of Machinery Manufacturing Equipment
22-45 43 00	Computer and Electronic Product Manufacturing Equipment
22-45 43 01	Operation and Maintenance of Computer and Electronic Product Manufacturing Equipment
22-45 45 00	Electrical Equipment, Appliance, and Component Manufacturing Equipment
22-45 45 01	Operation and Maintenance of Electrical Equipment, Appliance, and Component Manufacturing Equipment
22-45 47 00	Transportation Manufacturing Equipment
22-45 47 01	Operation and Maintenance of Transportation Manufacturing Equipment
22-45 49 00	Furniture and Related Product Manufacturing Equipment
22-45 49 01	Operation and Maintenance of Furniture and Related Product Manufacturing Equipment
22-45 51 00	Other Manufacturing Equipment
22-45 51 01	Operation and Maintenance of Other Manufacturing Equipment
22-46 00 00	<b>Water and Wastewater Equipment</b>
22-46 01 00	Operation and Maintenance of Water and Wastewater Equipment
22-46 01 07	Operation and Maintenance of Packaged Treatment Equipment
22-46 01 20	Operation and Maintenance of Preliminary Treatment Equipment
22-46 01 30	Operation and Maintenance of Chemical Feed Equipment
22-46 01 40	Operation and Maintenance of Clarification and Mixing Equipment
22-46 01 50	Operation and Maintenance of Secondary Treatment Equipment
22-46 01 60	Operation and Maintenance of Advanced Treatment Equipment
22-46 01 70	Operation and Maintenance of Residuals Handling and Treatment
22-46 05 00	Common Work Results for Water and Wastewater Equipment
22-46 07 00	Packaged Water and Wastewater Treatment Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-46 07 13	Packaged Water Treatment Equipment
22-46 07 53	Packaged Wastewater Treatment Equipment
22-46 08 00	Commissioning of Water and Wastewater Equipment
22-46 08 07	Commissioning of Packaged Treatment Equipment
22-46 08 20	Commissioning of Preliminary Treatment Equipment
22-46 08 30	Commissioning of Chemical Feed Equipment
22-46 08 40	Commissioning of Clarification and Mixing Equipment
22-46 08 50	Commissioning of Secondary Treatment Equipment
22-46 08 60	Commissioning of Advanced Treatment Equipment
22-46 08 70	Commissioning of Residuals Handling and Treatment
22-46 20 00	Water and Wastewater Preliminary Treatment Equipment
22-46 21 00	Screening Equipment
22-46 21 11	Climber-type Bar Screens
22-46 21 13	Chain-and-Rake Bar Screens
22-46 21 16	Flexible Rake Bar Screens
22-46 21 17	Catenary Bar Screens
22-46 21 19	Continuous Belt Screens
22-46 21 23	Cylindrical Bar Screens
22-46 21 26	Step Screens
22-46 21 33	Rotary Drum Screens
22-46 21 39	Spiral Screens
22-46 21 43	Band Screens
22-46 21 46	Disc Screens
22-46 21 51	Traveling Water Screens
22-46 21 53	Perforated Plate Screens
22-46 21 56	Wedge Wire Screens
22-46 21 57	Element Screens
22-46 21 71	Trash Raking Equipment
22-46 21 73	Screenings Washing and Compacting Equipment
22-46 21 76	Vacuum Screenings Conveying Equipment
22-46 21 79	Screenings Storage Containers
22-46 21 83	Septage Receiving Equipment
22-46 23 00	Grit Removal and Handling Equipment
22-46 23 13	Chain-and-Bucket Grit Removal Equipment
22-46 23 16	Chain-and-Flight Grit Removal Equipment
22-46 23 23	Vortex Grit Removal Equipment
22-46 23 27	Cyclone Degritters
22-46 23 33	Aerated Grit Removal Equipment
22-46 23 43	Inline Baffled Grit Removal Equipment
22-46 23 53	Traveling Bridge Grit Removal Equipment
22-46 23 63	Grit Classifying and Washing Equipment
22-46 23 66	Grit Storage Containers
22-46 24 00	Grinding and Shredding Equipment
22-46 24 13	Macerators

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-46 24 16	Comminutors
22-46 24 23	Inline Grinders
22-46 24 33	Open-channel Grinders
22-46 24 36	Modular Grinding-Screening-Compacting Equipment
22-46 25 00	Oil and Grease Separation and Removal Equipment
22-46 25 13	Coalescing Oil-Water Separators
22-46 25 16	API Oil-Water Separators
22-46 25 23	Grease Traps
22-46 25 33	Dissolved Air Flotation Grease and Oil Separation Equipment
22-46 25 41	Helical Scum Skimming and Removal Equipment
22-46 25 43	Tipping Trough Scum Skimming and Removal Equipment
22-46 25 46	Chain and Flight Scum Collection and Removal Equipment
22-46 25 47	Floating Scum Skimming and Removal Equipment
22-46 30 00	Water and Wastewater Chemical Feed Equipment
22-46 31 00	Gas Chemical Feed Equipment
22-46 31 11	Chlorine Gas Feed Equipment
22-46 31 13	Sulfur Dioxide Gas Feed Equipment
22-46 31 16	Ammonia Gas Feed Equipment
22-46 31 23	Gas Storage, Weighing, and Leak Detection Equipment
22-46 31 26	Emergency Gas Treatment Systems
22-46 31 33	Chlorine Dioxide Reactors
22-46 31 43	Carbon Dioxide Gas Feed Equipment
22-46 31 53	Ozone Generating and Feed Equipment
22-46 31 56	Liquid Oxygen Storage and Feed Equipment
22-46 31 59	Cleaning Requirements for Oxygen Service
22-46 31 83	Gas Chemical Feed Accessories and Safety Equipment
22-46 33 00	Liquid Chemical Feed Equipment
22-46 33 13	Sodium Hypochlorite Generating Equipment
22-46 33 23	Liquid Chemical Weighing Equipment
22-46 33 33	Polymer Blending and Feed Equipment
22-46 33 41	Liquid Chemical Feed System Coordination and Integration
22-46 33 42	Diaphragm-type Metering Pumps
22-46 33 44	Peristaltic Metering Pumps
22-46 33 46	Progressing Cavity Metering Pumps
22-46 33 48	Lobe Metering Pumps
22-46 33 53	Drum Pumps
22-46 33 66	Liquid Chemical Transfer Pumps
22-46 33 73	Liquid Chemical Diffusers
22-46 33 83	Liquid Chemical Feed Accessories and Safety Equipment
22-46 36 00	Dry Chemical Feed Equipment
22-46 36 11	Dry Chemical Feed System Coordination and Integration
22-46 36 13	Storage Silos
22-46 36 23	Dry Chemical Weighing Equipment
22-46 36 33	Volumetric Feed Equipment



Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-46 36 36	Gravimetric Feed Equipment
22-46 36 43	Lime Slaking Equipment
22-46 36 53	Chemical Tablet Feeding Equipment
22-46 36 83	Dry Chemical Feed Accessories and Safety Equipment
22-46 40 00	Water and Wastewater Clarification and Mixing Equipment
22-46 41 00	Mixing Equipment
22-46 41 11	Rapid Mixers
22-46 41 13	Inline Blender-type Rapid Mixers
22-46 41 16	Induction-type Rapid Mixing Equipment
22-46 41 17	Inline Static Mixers
22-46 41 21	Jet Mixing Equipment
22-46 41 23	Submersible Mixers
22-46 41 26	Floating Mechanical Mixers
22-46 41 27	Paddle Mixers
22-46 41 29	Pin Mixers
22-46 41 31	Vertical Reel Flocculation Equipment
22-46 41 33	Horizontal Reel Flocculation Equipment
22-46 41 34	Vertical Turbine Flocculation Equipment
22-46 41 36	Walking-beam Flocculation Equipment
22-46 41 38	Horizontal Oscillating Flocculation Equipment
22-46 41 41	Top-entering Tank Mixers
22-46 41 43	Side-entry Tank Mixers
22-46 41 46	Portable Tank Mixers
22-46 43 00	Clarifier Equipment
22-46 43 11	Chain-and-Flight Clarifier Equipment
22-46 43 14	Traveling Bridge Clarifier Equipment
22-46 43 16	Differential Head Clarifier Equipment
22-46 43 18	Oscillating Scraper-type Clarifier Equipment
22-46 43 21	Circular Clarifier Equipment
22-46 43 53	Solids Contact Clarifier Equipment
22-46 43 61	Flocculating Clarifier, Pulsating Sludge Blanket Type
22-46 43 63	Dissolved Air Flotation Equipment for Water Treatment
22-46 43 66	Ballasted High-rate Clarifier Equipment
22-46 43 67	High-rate Clarification/Thickening Equipment
22-46 43 73	Tube Settlers
22-46 43 76	Inclined Plate Settlers
22-46 46 00	Sediment Removal Equipment
22-46 46 13	Tipping Sediment Flushing Tanks
22-46 46 16	Flushing Gates
22-46 46 23	Water Cannon
22-46 46 26	Nozzle Systems
22-46 50 00	Water and Wastewater Secondary Treatment Equipment
22-46 51 00	Air and Gas Diffusion Equipment
22-46 51 11	Fixed Mechanical Aerators

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-46 51 13	Floating Mechanical Aerators
22-46 51 16	Submersible Aspirating Aerator Equipment
22-46 51 17	Jet Aeration Equipment
22-46 51 21	Coarse Bubble Diffusers
22-46 51 23	Swing-type Channel Aeration Equipment
22-46 51 26	Shear Box Diffusers
22-46 51 31	Flexible Membrane Tube Diffusers
22-46 51 33	Flexible Membrane Disc Diffusers
22-46 51 36	Ceramic Disc Fine Bubble Diffusers
22-46 51 43	Floating Membrane Diffusers
22-46 51 46	Membrane Diffusers
22-46 51 53	Cascading Aerators
22-46 51 63	Pure-oxygen Generating Equipment
22-46 53 00	Biological Treatment Systems
22-46 53 13	Rotating Biological Contactors
22-46 53 23	Trickling Filter Rotary Distributor Equipment
22-46 53 24	Trickling Filter Media
22-46 53 26	Bio-towers
22-46 53 33	Moving-bed Biological Reactors
22-46 53 36	Integrated Fixed-film Activated Sludge Equipment
22-46 53 41	Intermittent Sand Filters for Wastewater Treatment
22-46 53 43	Deep-bed Denitrification Filters
22-46 53 46	Biologically Activated Filters
22-46 53 49	Membrane Biological Reactors
22-46 53 53	Sequencing Batch Reactors
22-46 53 61	Oxidation Ditch Equipment
22-46 53 63	Vertical Loop Reactors
22-46 60 00	Water and Wastewater Advanced Treatment Equipment
22-46 61 00	Filtration Equipment
22-46 61 13	Filter Media
22-46 61 16	Filter Surface Wash Agitators
22-46 61 17	Filter Air Scour Equipment
22-46 61 19	Wash Water Troughs
22-46 61 21	Pressure Filters
22-46 61 23	Gravity Filters
22-46 61 26	High-rate Sand Filters
22-46 61 29	Traveling Bridge Filters
22-46 61 33	Microfiltration and Ultrafiltration Membrane Equipment
22-46 61 41	Disc Cloth Filters
22-46 61 43	Rotary Drum Cloth Filters
22-46 61 46	Automatic Backwash Cloth Filter Equipment
22-46 61 53	Cartridge Filters
22-46 61 63	Bag Filters
22-46 61 73	Automatic Straining Equipment

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-46 63 00	Demineralization Equipment
22-46 63 11	Ion-exchange Vessel Media
22-46 63 13	Mixed Bed Ion-exchange Vessel Systems
22-46 63 16	Packed Bed Ion-exchange Vessel Systems
22-46 63 17	Electrodialysis Reversal Equipment
22-46 63 23	Reverse Osmosis and Nanofiltration Membrane Equipment
22-46 63 31	Multiple-effect Distillation Equipment
22-46 63 33	Desalination Mechanical Vapor Compression Equipment
22-46 63 34	Desalination Thermal Vapor Compression Equipment
22-46 63 36	Desalination Multi-stage Flash Equipment
22-46 63 41	Desalination Falling Film Evaporators
22-46 63 43	Desalination Rising Film Evaporators
22-46 63 53	Desalination Forced-circulation Crystallizing Equipment
22-46 63 63	Desalination Spray Dry Evaporation Equipment
22-46 63 73	Demineralization Energy Recovery Equipment
22-46 66 00	Ultraviolet Equipment
22-46 66 13	Closed-vessel Low-pressure/Low-intensity Ultraviolet Treatment Equipment
22-46 66 16	Closed-vessel Low-pressure/High-intensity Ultraviolet Treatment Equipment
22-46 66 23	Closed-vessel Medium-pressure Ultraviolet Treatment Equipment
22-46 66 53	Open-channel Low-pressure/Low-intensity Ultraviolet Treatment Equipment
22-46 66 56	Open-channel Low-pressure/High-intensity Ultraviolet Treatment Equipment
22-46 66 63	Open-channel Medium-pressure Ultraviolet Treatment Equipment
22-46 70 00	Water and Wastewater Residuals Handling and Treatment
22-46 71 00	Residuals Thickening Equipment
22-46 71 13	Circular Gravity Thickeners
22-46 71 16	Gravity Belt Thickeners
22-46 71 23	Dissolved Air Flotation Thickening Equipment
22-46 71 33	Rotary Drum Thickening Equipment
22-46 71 36	Centrifuge Thickening Equipment
22-46 71 43	Disc Thickeners
22-46 71 46	Thickening Screw Press
22-46 71 53	Scum Concentrator Equipment
22-46 73 00	Residuals Stabilization
22-46 73 11	Radial Beam Fixed Digester Covers
22-46 73 12	Dual Deck Truss-type Fixed Digester Covers
22-46 73 14	Radial Beam Floating Digester Covers
22-46 73 16	Dual Deck Truss-type Floating Digester Covers
22-46 73 17	Radial Beam Floating Gas-holding Digester Covers
22-46 73 18	Dual Deck Truss-type Floating Gas-holding Digester Covers
22-46 73 19	Digester Appurtenances
22-46 73 21	Aerobic Digester Aeration Equipment
22-46 73 24	Autothermal Thermophilic Aerobic Digestion Equipment
22-46 73 26	Egg-shaped Digesters
22-46 73 31	External Draft Tube Digester Mixing System

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-46 73 32	Internal Draft Tube Digester Mixing System
22-46 73 33	Confined Gas Mixing System
22-46 73 34	Unconfined Gas Mixing System
22-46 73 41	Digester Heating Equipment
22-46 73 63	Residuals Pasteurization Equipment
22-46 76 00	Residuals Dewatering Equipment
22-46 76 13	Vacuum Filters
22-46 76 21	Belt Filter Presses
22-46 76 23	Plate-and-Frame Filter Presses
22-46 76 26	Rotary Presses
22-46 76 27	Screw Presses
22-46 76 33	Dewatering Centrifuges
22-46 76 53	Belt Dryers
22-46 76 60	Direct-heat Residuals Drying Equipment
22-46 76 70	Indirect-heat Residuals Drying Equipment
22-46 78 00	Thermal Treatment of Residuals
22-46 78 13	Multiple-hearth Sludge Incinerators
22-46 78 23	Fluidized-bed Sludge Incinerators
22-46 78 33	Ash Handling Equipment
22-46 78 41	Recuperative Air Preheating Equipment
22-46 78 46	Regenerative Thermal Oxidizers
22-46 78 47	Waste Heat Recovery Boilers
22-46 78 49	Waste Heat Recovery Heat Exchangers
22-46 78 73	Thermal Oxidation Equipment
22-48 00 00	<b>Electrical Power Generation</b>
22-48 01 00	Operation and Maintenance for Electrical Power Generation
22-48 01 10	Operation and Maintenance of Electrical Power Generation Equipment
22-48 01 70	Operation and Maintenance of Electrical Power Generation Testing
22-48 05 00	Common Work Results for Electrical Power Generation
22-48 08 00	Commissioning of Electrical Power Generation
22-48 09 00	Instrumentation and Control for Electrical Power Generation
22-48 10 00	Electrical Power Generation Equipment
22-48 11 00	Fossil Fuel Plant Electrical Power Generation Equipment
22-48 11 13	Fossil Fuel Electrical Power Plant Boilers
22-48 11 16	Fossil Fuel Electrical Power Plant Condensers
22-48 11 19	Fossil Fuel Electrical Power Plant Steam Turbines
22-48 11 23	Fossil Fuel Electrical Power Plant Gas Turbines
22-48 11 26	Fossil Fuel Electrical Power Plant Generators
22-48 12 00	Nuclear Fuel Plant Electrical Power Generation Equipment
22-48 12 13	Nuclear Fuel Reactors
22-48 12 13 13	Nuclear Fuel Fission Reactors
22-48 12 13 16	Nuclear Fuel Fusion Reactors
22-48 12 23	Nuclear Fuel Electrical Power Plant Steam Generators
22-48 12 26	Nuclear Fuel Electrical Power Plant Condensers

Table 22 Work Results	
OmniClass™ Number	OmniClass™ Title
22-48 12 29	Nuclear Fuel Electrical Power Plant Turbines
22-48 12 33	Nuclear Fuel Electrical Power Generators
22-48 13 00	Hydroelectric Plant Electrical Power Generation Equipment
22-48 13 13	Hydroelectric Power Plant Water Turbines
22-48 13 16	Hydroelectric Power Plant Electrical Power Generators
22-48 14 00	Solar Energy Electrical Power Generation Equipment
22-48 14 13	Solar Energy Collectors
22-48 14 13 13	Amorphous Solar Energy Collectors
22-48 14 13 16	Plate Cell Solar Energy Collectors
22-48 14 13 19	Vacuum Tube Solar Energy Collectors
22-48 15 00	Wind Energy Electrical Power Generation Equipment
22-48 15 13	Wind Turbines
22-48 15 16	Wind Energy Electrical Power Generators
22-48 16 00	Geothermal Energy Electrical Power Generation Equipment
22-48 16 13	Geothermal Energy Heat Pumps
22-48 16 16	Geothermal Energy Condensers
22-48 16 19	Geothermal Energy Steam Turbines
22-48 16 23	Geothermal Energy Electrical Power Generators
22-48 17 00	Electrochemical Energy Electrical Power Generation Equipment
22-48 17 13	Electrical Power Generation Batteries
22-48 18 00	Fuel Cell Electrical Power Generation Equipment
22-48 18 13	Electrical Power Generation Fuel Cells
22-48 18 16	Hydrogen Control Equipment
22-48 19 00	Electrical Power Control Equipment
22-48 19 13	Electrical Power Generation Battery Charging Equipment
22-48 19 16	Electrical Power Generation Inverters
22-48 19 19	Electrical Power Generation Solar Tracking Equipment
22-48 19 23	Electrical Power Generation Transformers
22-48 19 26	Electrical Power Generation Voltage Regulators
22-48 70 00	Electrical Power Generation Testing
22-48 71 00	Electrical Power Generation Test Equipment
22-48 71 13	Electrical Power Generation Corona Test Equipment
22-48 71 16	Electrical Power Generation Current Test Equipment
22-48 71 19	Electrical Power Generation Power Test Equipment
22-48 71 23	Electrical Power Generation Resistance Test Equipment
22-48 71 26	Electrical Power Generation Voltage Test Equipment