

*OmniClass*TM

A Strategy for Classifying the Built Environment

Table 11 - Construction Entities by Function

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Definition

Construction Entities by Function are significant, definable units of the built environment comprised of interrelated spaces and elements and characterized by function.

Discussion

A construction entity is complete and can be viewed separately rather than as a constituent part of a larger built unit. An office building is construction entity but a conference room within the building is classified as a space.

Function is the purpose or use of a construction entity. It is defined by primary occupancy, and not necessarily by all activities that can be accommodated by the construction entity.

Construction entities usually also have physical form and a location. This table is not concerned with physical form; that is the basis of Table 12 - Construction Entities by Form. There is a correlation between form and function and function may dictate form as illustrated by a baseball park. Other construction entities can accommodate several functions throughout their useful life; for instance, a mid-rise building can have residential, educational, or business functions.

Examples

Single Family Residences, Mining Facility, Local Transit Bus Station, Interstate Highway, Waste Water Treatment Facility Freezer Storage Facility, Department Store, Courthouse, Hotels, Convention Center

Legacy Sources

- Appraisal Institute Commercial Data Standards
- Building Code Occupancy Classifications (refer to IBC, BOCA, UBC, etc.)
- ISO 12006-2 Table 4.2 Construction Entities (by function or user activity)
- ISO 12006-2 Table 4.6 Facilities;
- Uniclass Table D, Facilities

Table Uses

Storing and retrieving information, construction project programming and budgeting, compiling historical cost and operation data, designating construction types for building codes and ordinances, managing real estate data, classifying facilities for management operations, and categorizing objects for software.

Table Users

Librarians, design professionals, planners, programmers, estimators, building officials, real estate agents, facility managers, and computer programmers.

Number	Title
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Numbers & Titles

11-11 00 00 Assembly Facilities

11-11 11 00 Convention and Exhibition Facilities

- 11-11 11 11 Convention Center
- 11-11 11 14 Exhibition Hall
- 11-11 11 17 Conference Facility (Includes: Meeting Facility)
- 11-11 11 21 Training Center
- 11-11 11 99 Other Convention and Exhibition Facilities

11-11 21 00 Entertainment Facilities

- 11-11 21 11 Cinema
- 11-11 21 14 Broadcasting Facility
- 11-11 21 17 Performing Arts Facility
- 11-11 21 21 Casino
- 11-11 21 24 Race Tracks
 - 11-11 21 24 11 Horse Racing Track
 - 11-11 21 24 14 Dog Racing Track
 - 11-11 21 24 17 Automobile Race Track
- 11-11 21 27 Arena
- 11-11 21 31 Discotheque
- 11-11 21 99 Other Entertainment Facilities

11-12 00 00 Learning Facilities

11-12 11 00 Daycare and Preschool Facilities

- 11-12 11 11 Daycare Facility
- 11-12 11 14 Preschool Facility
- 11-12 11 17 Proprietary Preschool Facility
- 11-12 11 99 Other Daycare and Preschool Facilities

11-12 21 00 K through 12 Learning Facilities

- 11-12 21 11 Kindergarten
- 11-12 21 14 Elementary School
- 11-12 21 17 Primary School
- 11-12 21 21 Middle School
- 11-12 21 24 Junior High School
- 11-12 21 27 Secondary School
- 11-12 21 31 High School
- 11-12 21 34 Magnet School
- 11-12 21 37 Charter School
- 11-12 21 99 Other K through 12 Learning Facilities

11-12 24 00 Higher Education Facilities

- 11-12 24 11 University
- 11-12 24 13 Business School
- 11-12 24 14 Science College
- 11-12 24 17 Agricultural School
- 11-12 24 21 Art School
- 11-12 24 24 Vocational College
- 11-12 24 27 Human Arts College
- 11-12 24 31 Military Academy
- 11-12 24 34 Professional College

Number	Title
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11-12 24 99	Other Higher Education Facilities
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11-12 27 00	Research Facilities
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11-12 27 11	Biomedical Research Facility
11-12 27 14	Chemical Research Facility
11-12 27 21	Computing Research Facility
11-12 27 24	Engineering Research Facility
11-12 27 31	Life Sciences Research Facility
11-12 27 34	High Hazard Research Facility
11-12 27 37	Containment Facility
11-12 27 41	Nanotechnology Research Facility
11-12 27 44	Electronics Research Facility
11-12 27 99	Other Research Facilities

11-13 00 00	Public Service Facilities
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11-13 11 00	Government Facilities
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11-13 11 11	Administrative Government Facility
11-13 11 14	Regulatory Agency Facility
11-13 11 17	Courthouse
11-13 11 21	Legislative Facility (Includes: Capitol Building)
11-13 11 24	Police Station
11-13 11 27	Post Office
11-13 11 31	Fire Station
11-13 11 33	Detention Centers
11-13 11 33 11	Prison
11-13 11 33 14	Jail
11-13 11 34	Embassy
11-13 11 99	Other Government Facilities

11-13 21 00	Military Facilities
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11-13 21 11	Military Headquarters
11-13 21 12	Administrative Military Facility
11-13 21 14	Military Training Facility
11-13 21 17	Military Research Facility
11-13 21 21	Military Base
11-12 21 24	Military Field Facility
11-13 21 99	Other Military Facilities

11-13 24 00	Health Facilities
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11-13 24 11	Hospital
11-13 24 14	Clinic
11-13 24 17	Rehabilitation Facility
11-13 24 21	Geriatric Facility
11-13 24 24	Psychiatric Facility
11-13 24 27	Maternity Facility
11-13 24 31	Animal Healthcare Facility
11-13 24 99	Other Health Facilities

11-13 27 00	Public Welfare Facilities
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11-13 27 11	Homeless Shelter
11-13 27 14	Food Bank
11-13 27 99	Other Public Welfare Facilities

11-13 31 00	Death Facilities
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11-13 31 11	Funeral Home
11-13 31 14	Cremation Facility

Number	Title
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11-13 31 17	Cemetery
11-13 31 99	Other Death Facilities

11-14 00 00 Cultural Facilities

11-14 11 00 Libraries

11-14 11 11	General Purpose Library
11-14 11 14	Children's Library
11-14 11 17	Special Library
11-14 11 21	Academic Library
11-14 11 99	Other Libraries

11-14 21 00 Museums

11-14 21 11	Art Museum
11-14 21 14	History Museum
11-14 21 17	Science and Technology Museum
11-14 21 21	Children's Museum
11-14 21 24	Special Purpose Museum
11-14 21 99	Other Museums

11-14 24 00 Religious Facilities

11-14 24 11	Local Religious Facility	(Example: Church, Mosque, Synagogue)
11-14 24 14	Regional Religious Facility	(Example: Cathedral)
11-14 24 17	National or International Religious Center	(Example: National Cathedral)
11-14 24 21	Religious Pilgrimage Site	
11-14 24 24	Religious Retreat	
11-14 24 27	Specialized Religious Center	
11-14 24 99	Other Religious Facilities	

11-14 99 00 Other Cultural Facilities

11-15 00 00 Recreation Facilities

11-15 11 00 Outdoor Recreation Facilities

11-15 11 11	Nature Preserve	(Includes: Park)
11-15 11 14	Hunting Preserve	
11-15 11 21	Fishing Preserve	
11-15 11 27	Target Range	
11-15 11 34	Outdoor Winter Sports Facilities	
11-15 11 34 11	Ski Slope	
11-15 11 34 14	Outdoor Skating Rink	(Includes: Outdoor Hockey Rink)
11-15 11 34 17	Snowmobile Course	
11-15 11 37	Golf Course	
11-15 11 38	Miniature Golf Course	
11-15 11 41	Outdoor Racquet Sports Facilities	
11-15 11 41 11	Outdoor Tennis Facility	
11-15 11 41 14	Outdoor Squash Facility	
11-15 11 41 17	Outdoor Racquetball Facility	
11-15 11 44	Outdoor Water Recreation Facilities	
11-15 11 44 11	Outdoor Swimming Pool	
11-15 11 44 14	Outdoor Water Park	
11-15 11 47	Outdoor Team Sports Facilities	
11-15 11 47 11	Football Field	
11-15 11 47 14	Soccer Field	
11-15 11 47 17	Baseball or Softball Diamond	
11-15 11 47 21	Basketball Court	
11-15 11 98	Outdoor Multipurpose Recreation Facility	

Number	Title
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11-15 11 99 Other Outdoor Recreation Facilities

11-15 21 00 Indoor Recreation Facilities

11-15 21 11 Indoor Team Court Facility

11-15 21 14 Indoor Ice Skating Rink (Includes: Indoor Hockey Rink)

11-15 21 21 Indoor Water Recreation Facilities

11-15 21 21 11 Indoor Swimming Pool

11-15 21 21 14 Indoor High Diving Facility

11-15 21 21 17 Indoor Water Park

11-15 21 24 Indoor Racquet Sports Facilities

11-15 21 24 11 Indoor Tennis Facility

11-15 21 24 14 Indoor Squash Facility

11-15 21 24 17 Indoor Racquetball Facility

11-15 21 31 Indoor Individual Athletic Recreation Facilities

11-15 21 31 11 Fitness and Training Facility

11-15 21 31 14 Martial Arts Facility

11-15 21 31 17 Boxing Facility

11-15 21 31 21 Gymnastics Facility

11-15 21 37 Non-Athletic Indoor Recreation Facilities

11-15 21 37 11 Bowling Alley

11-15 21 37 14 Billiards Facility

11-15 21 37 17 Amusement Arcade

11-15 21 37 21 Social Club Facility

11-15 21 98 Indoor Multipurpose Recreation Facility

11-15 21 99 Other Indoor Recreation Facilities

11-16 00 00 Residences

11-16 11 11 Single Family Residences

11-16 11 11 Studio Family Residence

11-16 11 14 One-Bedroom Family Residence

11-16 11 17 Multiple Bedroom Family Residence

11-16 11 99 Other Single Family Residences

11-16 21 16 Multiple Family Residences

11-16 21 11 Duplex

11-16 21 14 Co-housing Multiple Family Residence

11-16 21 17 Small Complex Multiple Family Residence (Definition: Houses under 10 families)

11-16 21 21 Large Complex Multiple Family Residence (Definition: Houses ten or more families)

11-16 21 99 Other Multiple Family Residences

11-16 24 00 Hotels

11-16 24 11 Urban Hotel

11-16 24 14 Motel (Includes: Motor Lodge)

11-16 24 17 Bed and Breakfast

11-16 24 21 Residence Hotel

11-16 24 24 Resort Hotel

11-16 24 99 Other Hotels

11-16 27 00 Dormitories

11-16 27 11 Single-Gender Dormitory

11-16 27 14 Mixed-Gender Dormitory

11-16 27 99 Other Dormitories

11-16 31 00 Special Care Residences

11-16 31 11 Elderly Special Care Residence

11-16 31 14 Physical Disability Care Residence

Number	Title
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11-16 31 17	Behavioral Disability Care Residence
11-16 31 99	Other Special Care Residences

11-17 00 00 Commercial Facilities

11-17 11 00 Offices

11-17 11 11	Headquarters Office
11-17 11 14	Regional Administrative Office
11-17 11 17	Multi-tenant Office Building
11-17 11 99	Other Offices

11-17 21 00 Exchanges and Markets

11-17 21 11	Market (Includes: Bazaar)
11-17 21 14	Bank
11-17 21 17	Stock Exchange (Includes: Commodity Exchange)
11-17 21 21	Auction House
11-17 21 99	Other Exchanges and Markets

11-17 24 00 Retail Commercial Facilities

11-17 24 11	Department Store (Includes: 'Big Box' Store)
11-17 24 14	Specialty Store (Includes: Specialty Kiosk)
11-17 24 17	Grocery Store (Includes: Food and Drug Store)
11-17 24 21	Vehicle Dealership
11-17 24 24	Dining Establishments
11-17 24 99	Other Retail Commercial Facilities

11-17 27 00 Mixed-Commerce Facilities

11-17 27 11	Commercial Malls
11-17 27 14	Shopping Centers
11-17 27 99	Other Mixed-Commerce Facilities

11-21 00 00 Production Facilities

11-21 11 00 Manufacturing Facilities

11-21 11 11	Pharmaceutical or Biotechnology Manufacturing Facility
11-21 11 14	Food Processing and Manufacturing Facility
11-21 11 17	Beverage or Tobacco Manufacturing Facility
11-21 11 21	Textile Manufacturing Facility
11-21 11 24	Leather and Allied Industry Manufacturing Facility
11-21 11 27	Wood Product Manufacturing Facility
11-21 11 31	Paper Manufacturing Facility
11-21 11 34	Printing Facility
11-21 11 37	Petroleum or Coal Products Manufacturing Facility
11-21 11 41	Chemical Manufacturing Facility
11-21 11 44	Plastics or Rubber Manufacturing Facility
11-21 11 47	Nonmetallic Mineral Product Manufacturing Facility
11-21 11 51	Primary Metal Manufacturing Facility
11-21 11 54	Fabricated Metal Product Manufacturing Facility
11-21 11 57	Machinery Manufacturing Facility
11-21 11 61	Computer or Electronics Manufacturing Facility
11-21 11 64	Electrical Equipment or Appliance Manufacturing Facility
11-21 11 67	Transportation Manufacturing Facility
11-21 11 71	Furniture Manufacturing Facility
11-21 11 74	Light Manufacturing Facility
11-21 11 99	Other Manufacturing Facilities

Number	Title
11-21 21 00	Agricultural Facilities
11-21 21 11	Crop Farm
11-21 21 14	Ornamental Crop Farm
11-21 21 17	Orchard
11-21 21 21	Livestock Farm
11-21 21 24	Slaughterhouse and Processing Facility
11-21 21 27	Forestry and Timber Fabrication Facilities
11-21 21 31	Green House
11-21 21 34	Aquaculture Facility
11-21 21 99	Other Agricultural Facilities
11-21 24 00	Mineral Extraction Facilities
11-21 24 11	Oil and Gas Extraction Facility
11-21 24 14	Mining Facility
11-21 24 99	Other Mineral Extraction Facilities
11-21 27 00	Craft Production Facilities
11-21 27 11	Painting Craft Production Facility
11-21 27 14	Wood and Plastic Craft Production Facility
11-21 27 17	Metal Craft Production Facility
11-21 27 21	Ceramic Craft Production Facility
11-21 27 24	Glass-Making Craft Production Facility
11-21 27 27	Craft Textile Production Facility
11-21 27 99	Other Craft Production Facilities
11-24 00 00	Storage Facilities
11-24 11 00	Dry Storage Facilities
11-24 11 11	Food Storage Facility
11-24 11 14	Consumer Products Storage Facility
11-24 11 17	Parts Storage Facility
11-24 11 21	Equipment Storage Facility
11-24 11 24	Raw Material Storage Facility
11-24 11 99	Other Dry Storage Facilities
11-24 21 00	Environmentally-Controlled Storage Facilities
11-24 21 11	Cold Storage Facility
11-24 21 14	Freezer Storage Facility
11-24 21 17	Warm Storage Facility
11-24 21 99	Other Environmentally-Controlled Storage Facilities
11-24 24 00	Hazardous Storage Facilities
11-24 24 11	Explosives Storage Facility
11-24 24 14	Toxins Storage Facility
11-24 24 17	Radioactive Material Storage Facility
11-24 24 99	Other Hazardous Storage Facilities
11-24 99 00	Other Storage Facilities
11-41 00 00	Water Management Facilities
11-41 11 00	Water Holding and Collection Facilities
11-41 11 11	Water Tank or Tower
11-41 11 14	Dam
11-41 11 17	Reservoir

Number	Title
11-41 11 21	Pond
11-41 11 24	Lake
11-41 11 99	Other Water Holding and Collection Facilities
11-41 21 00 Water Distribution Facilities	
11-41 21 11	Potable Water Distribution
11-41 21 14	Storm Water Sewer Distribution
11-41 21 17	Sanitary Sewer Distribution
11-41 21 21	Irrigation Distribution Facility
11-41 21 24	Canal
11-41 21 27	Canal Lock
11-41 21 31	Aqueduct
11-41 21 34	Stream
11-41 21 37	River
11-41 21 99	Other Water Distribution Facilities
11-41 24 00 Water Treatment Facilities	
11-41 24 11	Potable Water Treatment Facility
11-41 24 14	Waste Water Treatment Facility
11-41 24 17	Wetlands Water Treatment Facility
11-41 24 99	Other Water Treatment
11-41 27 00 Special Water Production Facilities	
11-41 27 11	Water Distillation Facility
11-41 27 14	Special Water Purification Facility
11-41 27 17	Chilled Water Facility
11-41 27 99	Other Special Water Production Facilities
11-42 00 00 Energy Management Facilities	
11-42 11 00 Energy Production Facilities	
11-42 11 11	Nuclear-Powered Electrical Generation Facility
11-42 11 14	Wind-Powered Electrical Generation Facility
11-42 11 17	Solar-Powered Electrical Generation Facility
11-42 11 21	Hydroelectric Generation Facility
11-42 11 24	Geothermal-Powered Electrical Generation Facility
11-42 11 27	Gas-Powered Electrical Generation Facility
11-42 11 31	Coal-Powered Electrical Generation Facility
11-42 11 34	Oil-Powered Electrical Generation Facility
11-42 11 37	Steam Production Facility (Includes: Boilers)
11-42 11 99	Other Energy Production Facilities
11-42 21 00 Energy Distribution Nodes	
11-42 21 11	Electrical Substation
11-42 21 14	Switching Station
11-42 21 21	Electrical Transformer
11-42 21 24	Natural Gas Pumping Station
11-42 21 99	Other Energy Nodes
11-42 24 00 Energy Storage Facilities	
11-42 24 11	Liquid Fuel Storage
11-42 24 14	Solid Fuel Storage
11-42 24 17	Gas Fuel Storage
11-42 24 21	Electrical Storage
11-42 24 99	Other Energy Storage Facilities

Number	Title
11-42 27 00	Energy Distribution Facilities
11-42 27 11	Power Tunnel
11-42 27 14	Power Trench
11-42 27 17	Pipe Line
11-42 27 21	Power Line
11-42 27 24	Steam Tunnel
11-42 27 27	Natural Gas Pipeline
11-42 27 99	Other Energy Distribution Facilities
11-43 00 00	Waste Management Facilities
11-43 11 00	Waste Collection and Holding Facilities
11-43 11 11	Land Fill
11-43 11 14	Special Waste Holding Facility
11-43 11 99	Other Waste Collection and Holding Facilities
11-43 21 00	Waste Processing Facilities
11-43 21 11	Recycling Center
11-43 21 14	Special Waste Reclamation Facility
11-43 21 99	Other Waste Processing Facilities
11-44 00 00	Information Management Facilities
11-44 11 00	Information Nodes
11-44 11 11	Computing Center
11-44 11 14	Tier I Data Center
11-44 11 17	Tier II Data Center
11-44 11 21	Tier III Data Center
11-44 11 24	Tier IV Data Center
11-44 11 99	Other Information Nodes
11-44 21 00	Information Distribution Facilities
11-44 21 11	Telecommunication Lines
11-44 21 14	Satellite Distribution Facilities
11-44 21 99	Other Information Distribution Facilities
11-51 00 00	Transportation Terminals
11-51 11 00	Aerospace Transportation Terminals
11-51 11 11	Rural/Isolated Airfield
11-51 11 14	Local or Municipal Airfield
11-51 11 17	Regional Airport
11-51 11 21	International Airport
11-51 11 24	Heliport
11-51 11 27	Extra-Atmospheric Aerospace Transportation Terminal
11-51 11 99	Other Aerospace Transportation Terminals
11-51 21 00	Marine Transportation Terminals
11-51 21 11	Recreational Marina
11-51 21 14	Commercial Pier
11-51 21 17	Industrial Pier
11-51 21 99	Other Marine Transportation Terminals

Number	Title
11-51 24 00	Rail Transportation Terminals
11-51 24 11	Rural Long Distance Rail Station
11-51 24 14	Urban Long Distance Rail Station
11-51 24 17	Local Transit Station
11-51 24 99	Other Rail Transportation Terminals
11-51 27 00	Motor Vehicle Transportation Terminals
11-51 27 11	Long Distance Bus Station
11-51 27 14	Local Transit Bus Station
11-51 27 17	Roadside Truck Stop
11-51 27 21	Highway Rest Stop
11-51 27 99	Other Motor Vehicle Transportation Terminals
11-51 31 00	Vehicle Maintenance and Parking Facilities
11-51 31 11	Auto Maintenance and Fueling Station
11-51 31 12	Automobile Parking Facility
11-51 31 17	Rail Maintenance and Fueling Facility
11-51 31 18	Rail Yard
11-51 31 21	Airplane Maintenance and Fueling Facility
11-51 31 24	Boat Maintenance and Fueling Dry Docks
11-51 31 99	Other Vehicle Maintenance and Parking Facilities
11-52 00 00	Transportation Routes
11-52 11 00	Roadways
11-52 11 11	Alley
11-52 11 14	Driveway
11-52 11 17	Street (Alternate Terms: Road, Avenue)
11-52 11 24	Collector
11-52 11 27	Arterial Roadway
11-52 11 28	County Highway
11-52 11 31	State or Provincial Highway
11-52 11 34	Beltway (Includes: Bypass)
11-52 11 37	Interstate Highway
11-52 11 99	Other Roadways
11-52 21 00	Railways
11-52 21 11	Heavy Railway
11-52 21 14	Light Railway
11-52 21 17	High Speed Railway
11-52 21 21	Monorail
11-52 21 24	Magnetic Levitation Railway
11-52 21 99	Other Railways
11-52 24 00	Bridges
11-52 24 11	Vehicular Bridge
11-52 24 14	Rail Bridge
11-52 24 17	Pedestrian Bridge
11-52 24 99	Other Bridges
11-90 00 00	Mixed-Use Facilities

End of Table 11