

*OmniClass*TM

A Strategy for Classifying the Built Environment

Table 12 - Construction Entities by Form

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Definition

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

Discussion

A construction entity is complete and can be viewed separately rather than as a constituent part of a larger built unit. A skyscraper is a construction entity but a shaft extending the height of the skyscraper is classified as a space.

Construction entities classified by this table have a site and physical form. This table is not concerned with function; that is the basis of Table 11 - Construction Entities by Function. Tables 11 and 12 can be used together to classify both form and function of construction entities. For instance a high rise building form can be combined with a residential function to classify a high-rise apartment building, or combined with a retail function to classify a department store.

Note that in common usage many terms used to describe form driven construction entities are also used to describe spaces and/or functions.

Examples

High-Rise Building, Suspension Bridge, Platform, Space Station

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.

Legacy Sources

- ISO IS 12006-2 Table 4.1 Construction Entities (by form)
- Uniclass Table E, Construction Entities

Number	Title
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Numbers & Titles

12-11 00 00 Buildings

12-11 11 00 Low-Rise Buildings

12-11 11 14 Low-Rise Centralized Buildings

12-11 11 14 11	Pavilion
12-11 11 14 14	Megaron
12-11 11 14 17	Rotunda
12-11 11 14 21	High Bay
12-11 11 14 24	Bungalow
12-11 11 14 27	Shack
12-11 11 14 51	Arena
12-11 11 14 54	Auditorium
12-11 11 14 99	Other Low-Rise Centralized Buildings

12-11 11 17 Low-Rise Linear Buildings

12-11 11 17 11	Arcade (Includes: Stoa, Porticus)
12-11 11 17 14	Mall (Includes: Concourse)
12-11 11 17 17	Basilica
12-11 11 17 99	Other Low-Rise Linear Buildings

12-11 11 21 Low-Rise Attached Buildings

12-11 11 21 11	Infill Building
12-11 11 21 14	Lean-to Building
12-11 11 21 17	Building Addition
12-11 11 21 99	Other Low-Rise Attached Buildings

12-11 14 00 Mid-Rise Buildings

12-11 14 11 Mid-Rise Free-Standing Buildings

12-11 14 11 11	Centralized Mid-Rise Free-Standing Building
12-11 14 11 14	Centralized Mid-Rise Free-Standing Building with Court
12-11 14 11 17	Linear Mid-Rise Free-Standing Building
12-11 14 11 99	Other Mid-Rise Free-Standing Buildings

12-11 14 14 Mid-Rise Attached Buildings

12-11 14 14 11	Infill Mid-Rise Building
12-11 14 14 14	Building Wing
12-11 14 14 99	Other Mid-Rise Attached Buildings

12-11 17 00 High-Rise Buildings

12-11 17 11 High-Rise Free-Standing Buildings

12-11 17 11 11	High-Rise Point Tower
12-11 17 11 14	High-Rise Slab
12-11 17 11 99	Other High-Rise Free-Standing Buildings

12-11 17 14 High-Rise Attached Buildings

12-11 17 14 11	Attached High-Rise Sliver
12-11 17 14 99	Other High-Rise Attached Buildings

12-11 21 00 Submerged Buildings

12-11 21 11 Deeply Submerged Building

12-11 21 14 Partially Submerged Building

12-11 21 99 Other Submerged Buildings

Number	Title
12-11 24 00	Mixed-Form Buildings
12-11 99 00	Other Buildings
12-14 00 00	Non-Building Structures
12-14 11 00	Ornamental Structures
12-14 11 11	Monument
12-14 11 14	Sculpture
12-14 11 17	Fountain
12-14 11 99	Other Ornamental Structures
12-14 14 00	Bridges
12-14 14 11	Trabeated Bridge (Note: Made of beams and girders)
12-14 14 14	Arch Bridge
12-14 14 17	Truss Bridge
12-14 14 21	Cable-Stayed Bridge
12-14 14 24	Suspension Bridge
12-14 14 99	Other Bridges
12-14 17 00	Platforms and Piers
12-14 17 11	Platform
12-14 17 14	Pier
12-14 17 17	Viaduct
12-14 17 99	Other Platforms and Piers
12-14 21 00	Tanks
12-14 21 11	Silo
12-14 21 14	Crib
12-14 21 17	Liquid Storage Tank
12-14 21 21	Gas Storage Tank
12-14 21 99	Other Tanks
12-14 24 00	Towers
12-14 24 11	Mast
12-14 24 14	Derrick
12-14 24 17	Gantry
12-14 24 21	Chimney Stack
12-14 24 24	Tower
12-14 24 99	Other Towers
12-14 27 00	Buried and Submerged Structures
12-14 27 11	Subterranean Vertical Shaft
12-14 27 14	Horizontal Tunnel
12-14 27 17	Subterranean Duct Bank
12-14 27 99	Other Buried and Submerged Structures
12-14 31 00	Elevated Linear Structures
12-14 31 11	Elevated Line
12-14 31 14	Elevated Pipe Line
12-14 31 99	Other Elevated Linear Structures

Number	Title
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12-14 99 00	Other Non-Building Structures
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12-17 00 00	Movable Structures
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12-17 11 00	Temporary Movable Structures
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12-17 11 11	Temporary Platform
12-17 11 12	Temporary Staging
12-17 11 14	Temporary Building
12-17 11 17	Tent (Includes: Canopy)
12-17 11 99	Other Temporary Movable Structures

12-17 14 00	Moving Structures
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12-17 14 11	Track-Based Moving Structure
12-17 14 14	Wheel-Based Moving Structure
12-17 14 17	Cable-Based Moving Structure
12-17 14 99	Other Moving Structures

12-17 17 00	Floating Structures
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12-17 17 11	Ships
12-17 17 14	Barges
12-17 17 17	Fixed-Location Floating Structure
12-17 17 99	Other Floating Structures

12-17 21 00	Orbiting Structures
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12-17 21 11	Space Station
12-17 21 99	Other Orbiting Structures

12-17 99 00	Other Movable Structures
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12-21 00 00	Land Forms
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12-21 11 00	Pavements and Tracks
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12-21 11 11	Pavement
12-21 11 14	Tracks
12-21 11 99	Other Pavements and Tracks

12-21 14 00	Retaining Forms
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12-21 14 11	Retaining Wall
12-21 14 14	Embankment (Includes: Berm)
12-21 14 17	Terrace
12-21 14 21	Dam
12-21 14 99	Other Retaining Forms

12-21 17 00	Cuttings and Excavations
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12-21 17 11	Pit
12-21 17 14	Trench
12-21 17 17	Channel
12-21 17 99	Other Cuttings/Excavations

12-21 21 00	Plantings
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12-21 21 11	Planting Bed
12-21 21 14	Garden
12-21 21 17	Planting Field
12-21 21 21	Orchard

Number	Title
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12-21 21 24	Forest
12-21 21 99	Other Plantings

12-21 99 00	Other Land Forms
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12-24 00 00	Water Forms
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12-24 11 00	Centralized Water Forms
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12-24 11 11	Pond
12-24 11 14	Reservoir
12-24 11 17	Lake
12-24 11 21	Sea
12-24 11 24	Ocean
12-24 11 99	Other Centralized Water Forms

12-24 14 00	Linear Water Forms
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12-24 14 11	Creek
12-24 14 14	Aqueduct
12-24 14 17	Canal
12-24 14 21	Stream
12-24 14 24	River
12-24 14 99	Other Linear Water Forms

12-24 99 00	Other Water Forms
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12-24 17 11	Bay
12-24 17 14	Inlet

12-27 00 00	Construction Entity Groupings
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12-27 17 00	Campus
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12-27 17 11	Education Campus
12-27 17 14	Compound
12-27 17 17	Base
12-27 17 21	Complex
12-27 17 24	Airport
12-27 17 99	Other Campus

12-27 21 00	Districts
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12-27 21 11	City Block
12-27 21 14	District
12-27 21 17	Neighborhood
12-27 21 21	Quarter
12-27 21 24	Sector
12-27 21 27	Reservation
12-27 21 99	Other Districts

12-27 24 00	Municipalities
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12-27 24 11	Hamlet
12-27 24 14	Village
12-27 24 17	Town
12-27 24 21	Suburb
12-27 24 24	City
12-27 24 27	Metropolitan Area
12-27 24 99	Other Municipalities

Number	Title
12-27 27 00 Regions	
12-27 27 11	County
12-27 27 14	Region
12-27 27 99	Other Regions
12-27 31 00 Territories	
12-27 31 11	Territory
12-27 31 14	State
12-27 31 17	Province
12-27 31 21	Nation
12-27 31 24	Theater
12-27 31 99	Other Territories

End of Table 12