

E 04 H BUILDINGS OR LIKE STRUCTURES FOR PARTICULAR PURPOSES; SWIMMING OR SPLASH BATHS OR POOLS; MASTS; FENCING; TENTS OR CANOPIES, IN GENERAL (foundations [E 02 D](#)) [4]

Notes

- (1) This subclass covers
- primarily the layout of buildings as a whole;
 - details which are peculiar to types of buildings, or buildings for special purposes, specified in the groups;
 - canopies in general and canopies similar in construction to tents. [4]
- (2) This subclass does not cover canopies having special application, which are covered by the relevant place, e.g. protecting chairs against the weather [A 47 C 7/66](#), bed canopies [29/00](#), sun shades or awnings for buildings [E 04 F 10/00](#). [4]
- (3) In this subclass, the following terms are used with the meanings indicated:
- “buildings” does not exclude engineering structures and other constructions;
 - “tent” means a tent or canopy having a supporting means, e.g. frame and a flexible cover. [4]

Subclass Index

BUILDINGS		BUILDINGS AFFORDING SPECIAL	
For dwelling or office purposes.....	1/00	PROTECTION.....	9/00
For public purposes.....	3/00	TOWERS, MASTS, CHIMNEY STACKS.....	12/00
For industrial or agricultural		MONUMENTS, TOMBS.....	13/00
purposes; for parking.....	5/00; 6/00	BUILDINGS FOR COMBINATIONS OF	
SWIMMING OR SPLASH BATHS OR		DIFFERENT PURPOSES, DRIVE-IN	
POOLS.....	4/00	BUILDINGS.....	14/00
CONTAINERS.....	7/00	TENTS, CANOPIES.....	15/00
		FENCING, ENCLOSURES, CORRALS.....	17/00

1/00	Buildings or groups of buildings for dwelling or office purposes; General layout, e.g. modular co-ordination, staggered storeys (3/00 takes precedence; buildings for two or more purposes, drive-in buildings 14/00 ; building construction in general E 04 B 1/00)	3/16	. . . for swimming (swimming or splash baths or pools 4/00) [5]
1/02	. Dwelling houses; Buildings for temporary habitation (small erections for limited occupation 1/12)	3/22	. . Theatres; Concert halls; Studios for broadcasting, cinematography, television or similar purposes (drive-in buildings 14/00 ; equipment for theatres or concert halls A 63 J) [2]
1/04	. . Apartment houses arranged in two or more levels	3/24	. . . Constructional features of stages
1/06	. Office buildings; Banks (1/12 takes precedence; furniture or fittings for shops, storehouses, or the like A 47 F)	3/26 Revolving stages; Stages able to be lowered (devices for raising or lowering persons A 63 J 5/12)
1/12	. Small buildings or other erections for limited occupation, erected in the open air or arranged in buildings, e.g. kiosks, waiting shelters for bus stops or for filling stations, roofs for railway platforms, watchmen's huts, dressing cubicles (movable screens as household equipment A 47 G 5/00)	3/28 Shiftable or portable platforms
1/14	. . Telephone cabinets	3/30	. . . Constructional features of auditoriums (chairs, stools, benches A 47 C ; building details providing acoustical effects E 04 B 1/99)
3/00	Buildings or groups of buildings for public or similar purposes; Institutions, e.g. infirmaries, prisons (portions of buildings for individual occupation, e.g. cubicles, 1/00 ; structures covering a large free area E 04 B 1/342)	4/00	Swimming or splash baths or pools (wave-producers for baths A 47 K 3/10 ; separation B 01 D ; treatment of water C 02 F ; wave-producing pumps F 04 D 35/00) [5]
3/02	. Hotels; Motels; Coffee-houses; Restaurants; Shops; Department stores	4/02	. formed <u>in situ</u> [5]
3/04	. . Restaurants or shops having arrangements for self-service (paying counters A 47 F 9/02 ; furniture or installations specially adapted for supermarkets A 47 F 10/00 ; transport aspects B 65 G ; coin-freeed apparatus G 07 F)	4/04	. prefabricated or composed of prefabricated elements [5]
3/06	. Museums; Library buildings	4/06	. Safety devices; Coverings for baths [5]
3/08	. Hospitals, infirmaries, or the like; Schools; Prisons	4/08	. . Coverings consisting of rigid elements [5]
3/10	. for meetings, entertainments, or sports	4/10	. . Coverings of flexible material [5]
3/12	. . Tribunes, grandstands or terraces for spectators (auditoriums 3/30 ; chairs, stools, benches A 47 C) [2]	4/12	. Devices or arrangements for circulating water [5]
3/14	. . Gymnasiums; Other sporting buildings (tribunes 3/12)	4/14	. Parts, details or accessories not otherwise provided for [5]
		4/16	. . specially adapted for cleaning (cleaning devices peculiar to vessels B 63 B 59/00) [5]
		5/00	Buildings or groups of buildings for industrial or agricultural purposes (building construction in general E 04 B 1/00)
		5/02	. Buildings or groups of buildings for industrial purposes, e.g. for power-plants, factories (buildings forming part of cooling plants 5/10 ; building structures for parking vehicles 6/00)

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- 5/04 . . Transformer houses; Substations or switchgear houses [5]
- 5/06 . . Pits or building structures for inspection or services (manhole shafts or other inspection chambers in general E 02 D 29/12)
- 5/08 . Buildings or groups of buildings for agricultural purposes (silos 7/22; manure storage places A 01 C 3/02; greenhouses A 01 G 9/14)
- 5/10 . Buildings forming part of cooling plants
- 5/12 . . Cooling towers (towers in general 12/00; cooling equipment F 28)
- 6/00 Buildings for parking cars, rolling-stock, aircraft, vessels, or like vehicles, e.g. garages** (tents for use as garages 15/00; bicycle stands B 62 H; storing of vessels on land B 63 C 15/00; construction of ground-supported surfaces E 01 C; marking of parking areas on the ground E 01 F 9/00; building construction in general E 04 B 1/00)
- 6/02 . Small garages, e.g. for one or two cars (attached to, or supported by, the vehicle B 62 D; prefabricated and with undivided interior E 04 B 1/343)
- 6/04 . . wheeled, hinged, foldable, telescopic, swinging, or otherwise movable (transportable or collapsible buildings in general E 04 B 1/343)
- 6/06 . . with means for shifting or lifting vehicles
- 6/08 . Garages for many vehicles
- 6/10 . . without mechanical means for shifting or lifting vehicles, e.g. with helically-arranged fixed ramps, with movable ramps
- 6/12 . . with mechanical means for shifting or lifting vehicles
- 6/14 . . . with endless conveyer chains having load-carrying parts moving vertically, e.g. paternoster lifts
- 6/16 . . . Garages shaped as a wheel or drum rotatable about a horizontal axis
- 6/18 . . . with means for transport in vertical direction only or independently in vertical and horizontal directions (6/14 takes precedence)
- 6/20 characterised by use of conveyer chains or rotatable rollers for horizontal transport
- 6/22 characterised by use of movable platforms for horizontal transport
- 6/24 characterised by use of dollies for horizontal transport
- 6/26 characterised by use of tiltable floors or floor sections; characterised by use of movable ramps
- 6/28 characterised by use of turntables or rotary rings for horizontal transport
- 6/30 . . . with means for transport in horizontal direction only
- 6/32 characterised by use of conveyer chains or rotatable rollers
- 6/34 characterised by use of movable platforms
- 6/36 characterised by use of freely-movable dollies
- 6/38 characterised by use of tiltable floors or floor sections
- 6/40 characterised by use of turntables or rotary rings
- 6/42 . Devices or arrangements peculiar to garages, not covered elsewhere, e.g. securing devices, safety devices
- 6/44 . for storing aircraft (structures covering a large free area E 04 B 1/342)
- 7/00 Construction or assembling of bulk storage containers employing civil engineering techniques in situ or off the site** (tower aspects 12/00; storage aspects, e.g. floating roofs, sealing means, filling or discharging means B 65 D, G, F 17 B, C; foundations E 02 D 27/38) [2]
- 7/02 . Containers for fluids or gases; Supports therefor (arrangements or adaptations of tanks for water supply E 03 B 11/00) [2]
- 7/04 . . mainly of metal
- 7/06 . . . with vertical axis
- 7/14 . . . ball-shaped
- 7/16 . . . with horizontal axis
- 7/18 . . mainly of concrete, e.g. reinforced concrete, or other stone-like material
- 7/20 . . . Prestressed constructions
- 7/22 . Containers for fluent solids, e.g. silos, bunkers; Supports therefor [2]
- 7/24 . . Constructions, with or without perforated walls, depending on the use of specified materials
- 7/26 . . . mainly of concrete, e.g. reinforced concrete, or other stone-like material
- 7/28 composed of special building elements
- 7/30 . . . mainly of metal
- 7/32 . . . mainly of wood
- 9/00 Buildings, groups of buildings, or shelters, adapted to withstand or provide protection against, abnormal external influences, e.g. war-like action, earthquake, extreme climate** (floating buildings B 63 B; foundation aspects E 02 D; building constructions in general E 04 B; bearings or like supports allowing movement E 04 B 1/36; special details regarding insulation or other protection E 04 B 1/62; supporting structures for endangered or damaged existing buildings or parts thereof E 04 G 23/04; doors, windows E 06 B 5/00; air-conditioning, ventilation F 24 F; camouflage F 41 H 3/00; cells or rooms shielded against dangerous radiation G 21 F 7/00)
- 9/02 . withstanding earthquake or sinking of ground (foundations E 02 D 27/34)
- 9/04 . against air-raid or other war-like actions (respiratory apparatus A 62 B)
- 9/06 . . Structures arranged in, or forming part of, buildings
- 9/08 . . . Structures arranged underneath buildings, e.g. air-raid shelters
- 9/10 . . Independent shelters; Arrangement of independent splinter-proof walls
- 9/12 . . . entirely underneath the level of the ground, e.g. air-raid galleries (tunnels, galleries E 21 D)
- 9/14 . against other dangerous influences, e.g. tornadoes, floods
- 9/16 . against adverse conditions, e.g. extreme climate, pests
- 12/00 Towers; Masts, poles; Chimney stacks; Water-towers; Methods of erecting such structures** (cooling towers 5/12; supports for road signs E 01 F 9/011; foundation piles E 02 D 5/22; foundations for masts, poles, or chimneys E 02 D 27/42; structural elongated members in general E 04 C 3/00; fixed climbing irons E 06 C 9/04; derricks for oil drilling E 21 B 15/00) [6]
- 12/02 . Structures made of specified materials (12/16, 12/18 take precedence)
- 12/04 . . of wood
- 12/06 . . . Truss-like structures
- 12/08 . . of metal

- 12/10 . . . Truss-like structures
- 12/12 . . of concrete or other stone-like material, with or without internal or external reinforcement, e.g. with metal coverings, with permanent form elements
- 12/14 . . . Truss-like structures
- 12/16 . Prestressed structures
- 12/18 . movable or with movable sections, e.g. rotatable, telescopic (rotary buildings [E 04 B 1/346](#))
- 12/20 . Side-supporting means therefor, e.g. using guy ropes, struts (ground anchors [E 02 D 5/80](#); fastening means for cables or ropes [F 16 G 11/00](#))
- 12/22 . Sockets or holders for poles or posts
- 12/24 . Cross-arms
- 12/26 . Winding towers for mines (elevators [B 66 B](#))
- 12/28 . Chimney stacks, e.g. free-standing, or similar ducts (foundations [E 02 D 27/42](#); chimneys as part of buildings [E 04 F 17/02](#); connections between furnace and smoke stack, chimney equipment [F 23](#))
- 12/30 . Water-towers (tanks [B 65 D 88/00](#); use of high-level tanks [E 03 B 11/12](#))
- 12/32 . Flagpoles (flags, banners, mountings therefor [G 09 F 17/00](#))
- 12/34 . Arrangements for erecting or lowering towers, masts, poles, chimney stacks, or the like **[6]**
- 13/00 Monuments; Tombs; Burial vaults; Columbaria** (sculpture or other artistic features [B 44](#))
- 14/00 Buildings for combinations of different purposes not covered in a single preceding group of this subclass, e.g. for double purpose (3/02, 9/06 take precedence); Buildings of the drive-in type**
- 15/00 Tents or canopies, in general [4]**
- 15/02 . Tents combined or specially associated with other devices **[4]**
- 15/04 . . suspended type, e.g. from trees, from cantilever supports (supporting frames [15/34](#)) **[4]**
- 15/06 . . Tents at least partially supported by vehicles **[4]**
- 15/08 . . . Trailer awnings or the like **[4]**
- 15/10 . . Heating, lighting, or ventilating (for heating, lighting, or ventilating devices *per se*, see the relevant classes, e.g. [F 21](#), [F 24](#)) **[4]**
- 15/12 . . . Heating **[4]**
- 15/14 . . . Ventilating **[4]**
- 15/16 of tent roofs **[4]**
- 15/18 . Tents having plural sectional covers, e.g. pavilions, vaulted tents, marquees, circus tents (inflatable [15/20](#)); Plural tents, e.g. modular **[4]**
- 15/20 . inflatable, e.g. shaped, strengthened, or supported by fluid pressure (connection of valves to inflatable elastic bodies [B 60 C 29/00](#); inflatable forms for making walls, floors, ceilings or roofs *in situ* [E 04 G 11/04](#)) **[4]**
- 15/22 . . supported by air pressure inside the tent **[4]**
- 15/24 . cone shaped, e.g. teepees **[4]**
- 15/26 . Center-pole supported tents (umbrella type [15/28](#)) **[4]**
- 15/28 . Umbrella type tents **[4]**
- 15/30 . convertible, e.g. from one type tent to another type tent, from tent to canopy, from tent cover into diverse article (sacks or packs convertible into tents [A 45 F 4/04](#); coats or capes convertible into tent coverings [A 45 F 4/14](#)) **[4]**
- 15/32 . Parts, components, construction details, accessories, interior equipment, specially adapted for tents, e.g. guy-line equipment, skirts, thresholds **[4]**
- 15/34 . . Supporting means, e.g. frames **[4]**
- 15/36 arch-shaped type ([15/42](#) takes precedence) **[4]**
- 15/38 expansible, e.g. extensible **[4]**
- 15/40 flexible **[4]**
- 15/42 . . . external type, e.g. frame outside of cover **[4]**
- 15/44 . . . collapsible, e.g. breakdown type ([15/42](#) takes precedence; building structures having collapsible parts in general [E 04 B 1/343](#)) **[4]**
- 15/46 telescoping and foldable **[4]**
- 15/48 foldable, i.e. having pivoted or hinged means ([15/46](#) takes precedence) **[4]**
- 15/50 lazy-tongs type **[4]**
- 15/52 parallelogram type **[4]**
- 15/54 . . Covers of tents or canopies (ventilated tent roofs [15/16](#)) **[4]**
- 15/56 . . Floors **[4]**
- 15/58 . . Closures; Awnings; Sunshades **[4]**
- 15/60 . . Poles **[4]**
- 15/62 . . Pegs, stakes or the like **[4]**
- 15/64 . . Tent or canopy cover fastenings **[4]**
- 17/00 Fencing, e.g. fences, enclosures, corrals** (features peculiar to electrified fences [A 01 K 3/00](#), [H 05 C](#); means for allowing passage through fences, barriers, or the like [E 06 B 11/00](#))
- 17/02 . Wire fencing, e.g. made of wire mesh ([17/14](#) takes precedence; working or processing of wire [B 21 F](#), e.g. making wire nets [27/00](#))
- 17/04 . . *characterised by the use of specially adapted wire, e.g. barbed wire* **[1,7]**
- 17/06 . . Parts for wire fences
- 17/08 . . . Anchoring means therefor, e.g. specially-shaped parts entering the ground; Struts or the like (for towers or masts [12/20](#); sockets for posts [12/22](#))
- 17/10 . . characterised by the way of connecting wire to the posts; Droppers
- 17/12 . . . the wire being placed in slots, grooves, or the like
- 17/14 . Fences constructed of rigid elements, e.g. with additional wire fillings or with posts
- 17/16 . . using prefabricated panel-like elements, e.g. wired frames
- 17/18 . . . Corrals, i.e. easily transportable or demountable enclosures
- 17/20 . . Posts therefor
- 17/22 . . . Anchoring means therefor, e.g. specially-shaped parts entering the ground; Struts or the like (for towers or masts [12/20](#); sockets for posts [12/22](#))
- 17/24 . . Connections for attaching additional wire to frames, posts or railings
- 17/26 . Devices for erecting or removing fences