



BIM7AA TYPE CODE

V. 2.1 - 2015.07.09 UK

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INTRODUCTION

MAIN PURPOSE

What is BIM7AA Type Code?

BIM7AA Type Code is a simple encoding method for BIM components based on the consultant's design requirements, experiences, Danish way of building and best practice for all size BIM projects.

The structure in BIM7AA Type Code is a modernised version of the familiar and thoroughly tested SfB system, modified to suit today's requirements for managing a BIM project.

This method structures and generates cohesion between the BIM components, tender list, specification and quantity take-offs (QTO) here by defining the interface between the consultants professions. In doing so, a simple standardisation of the consultant's internal methods of production is obtained, making it adaptable to the specific project in terms of classifications, properties and other relevant parameters to each project.

BIM7AA Type Code is not developed with the intention of being a classification system – but its structure makes it easy to use for classification purposes.

One of the purposes of BIM7AA Type Code is to meet 80-90 percent of the needs for type coding of a given project. The remaining 10-20% is developed to be company-specific and/or project specific.

BIM7AA compiles experiences from running projects to update the Type Code.



7 ADDITIONAL FACTS ABOUT THE BIM7AA TYPE CODE:

1. Complies with the Executive Order of CT Order 118 and 119 § 4 on requirements for structuring digital building objects
2. Complies with the requirements for management of building models and objects cf. CF Order 118 and 119
3. Practice-oriented
4. Easy to integrate with other classification systems like DBK, CCS, IFC management - classification
5. Is a commercial viable method for building-project consultants
6. Does not require supplementary software
7. Free of charge

TYPE CODE

Building component code

The coding structure will be represented in the building objects, as well as in the software, and will follow the building object as a unique code for the specific building object through all project phases.

Properties

The Type Code determines a structure in which selected properties help to specify a group of building components. This is exemplified by "212 Exterior in situ wall".

In the project, the building component's properties will be added at type level when new building components are created. This can be within the BIM model, an outline specification, a drawing note or a building element database.

Depending on the project, object type etc. one or more types of information may need to be added additionally. This could be information such as fire rating, contract id or another classification coding in accordance with the client's facility management system. From that point on the Type Code can be used in combination or individually for annotation, filtering, browser sorting, queries etc.

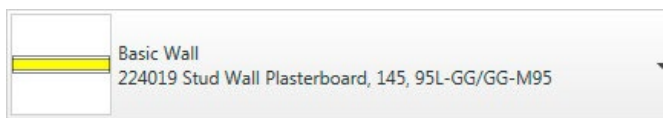


The Type Code contains the following trade disciplines:

Architecture/Structure/Plumbing/HVAC/Electricity/Mechanical installation/Landscaping.



EXAMPLE OF A BUILDING COMPONENT CODE



Breakdown:

224019 Stud Wall, Plasterboard, 145, 95L-GG/GG-M95

The building component code tells us:

- That it is an building component in Type Code 224 (Interior frame structure walls)
- That it is a type number 019 under the type-coding category.
- That the type text systematically describe the accosted building component type

The building element consists of three constituent element:

TYPE CODE: 224

The operational grouping of the building component type – always the first three numbers.

THE TYPE NUMBER: 019

The unique building component type number under the associated building component type group – number of digits depends on the discipline.

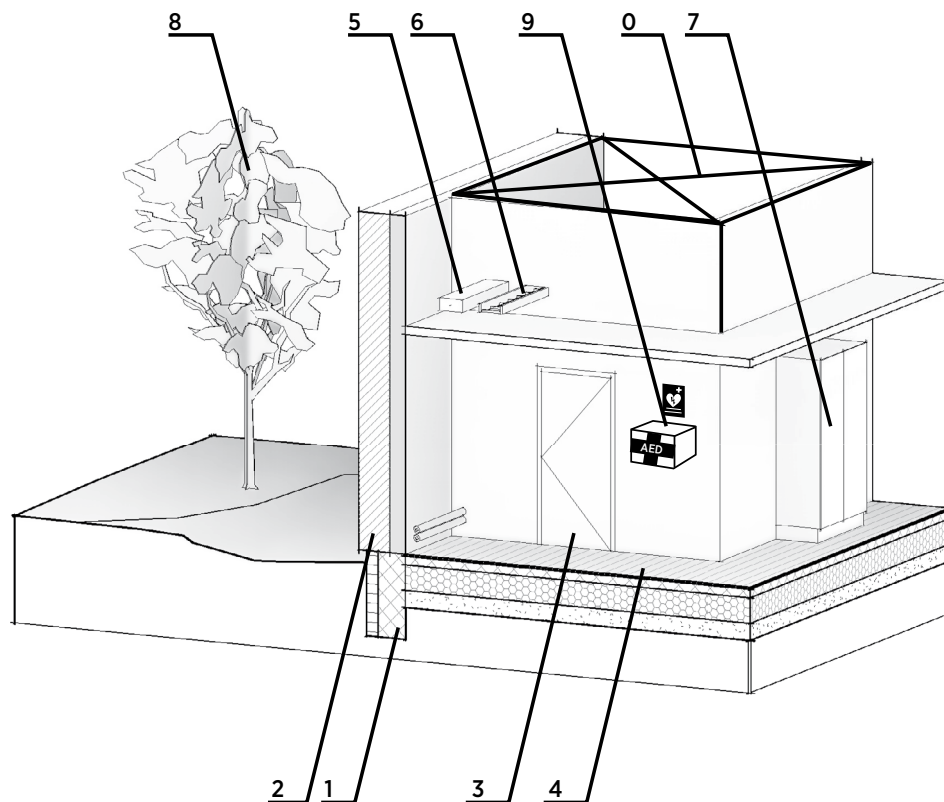
TYPE TEXT: Stud Wall, Plasterboard, 145, 95L-GG/GG-M95

The exploratory and descriptive text addresses the unique building. Only the Type Code is defined in the BIM7AA Type Code. The type number and type text is defined in the company and / or project strategy.

Please refer to the graphic examples illustrated in this booklet and in the spreadsheet on www.BIM7AA.com



TYPE CODE MAIN CATEGORIES



- 0. Generic building components
- 1. Substructure
- 2. Primary building components
- 3. Secondary building components
- 4. Finish surfaces
- 5. Plumbing- and HVAC control systems
- 6. Electrical and mechanical systems
- 7. Furniture and equipment
- 8. Planting and external ground finishes
- 9. Project equipment



GENERIC BUILDING COMPONENTS

CAT. NO. TYPE

00 Generic objects

001	Generic object ARCH
002	Generic object CON
003	Generic object HVAC
004	Generic object PLU
005	Generic object EL
006	Generic object LAND

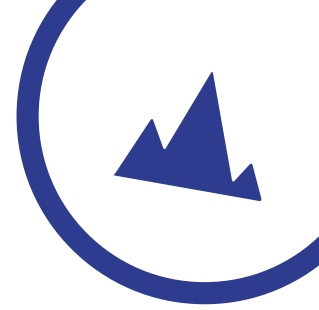
01 Generic building components

011	Generic walls and foundations
012	Generic floors and slabs
013	Generic roofs
014	Generic openings
015	Generic columns and beams
016	Generic ceilings
017	Generic stairs and ramps
018	Generic railings and handrails
019	Generic curtain walls

02 Existing building components

021	Existing walls and foundations
022	Existing floors and slabs
023	Existing roofs
024	Existing openings
025	Existing columns and beams
026	Existing ceilings
027	Existing stairs and ramps
028	Existing railings and handrails
029	Existing curtain walls





SUBSTRUCTURE

CAT. NO. TYPE

10 Substructure, terrain

- 101 Prepared ground
- 102 Cofferdam incl. stiffening
- 103 Sheet pile walls

12 Foundations

- 121 Strip foundations
- 122 Pad foundations
- 123 Footing foundations
- 124 Block foundations
- 125 Machine foundations
- 126 Pile foundations/circular footing
- 127 Landscape foundations

13 Floor beds

- 131 Ground floor slabs

18 Other substructure components

- 181 Ducts under the terrain
- 182 Quarries and swamps





PRIMARY BUILDING COMPONENTS

CAT. NO. TYPE

20 Primary building components, terrain

201	Wall fences
202	Retaining walls
203	Underground service access incl. pipe bridges and tunnels.
204	Pedestrian bridges, viaducts etc.
205	Stairs and ramps in terrain

21 Exterior walls, primary building components

211	Exterior precast walls
212	Exterior in situ walls
213	Exterior masonry walls
214	Exterior frame structured walls
215	Exterior frame structured bulkhead walls
216	Exterior curtain walls
217	Exterior wall Insulation
218	Exterior light shafts

22 Interior Walls, primary building components

221	Interior precast walls
222	Interior in situ walls
223	Interior brick walls
224	Interior frame structured walls
225	Interior frame structured bulkhead walls
226	Interior curtain walls

23 Slab, primary building components

231	Precast slabs
232	In-situ slabs
233	Frame structured slabs
234	Screeds
239	Other slabs

CAT. NO. TYPE

24 Stairs and ramps primary building components

241	Precast stairs
242	In-situ stairs
243	Composite stairs
244	Precast ramps
245	In-situ ramps
246	Composite ramps
247	Fixed ladders, ladders and steps

25 Load-bearing beams and columns

251	Precast beams
252	In-situ beams
253	Steel beams
254	Other beams
255	Precast columns
256	In-situ columns
257	Steel columns
259	Other columns

26 Balconies and exterior hallways, primary building components

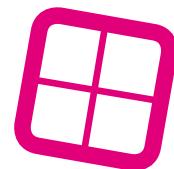
261	Precast balconies and exterior hallways
262	In-situ balconies and exterior hallways
263	Composite balconies and exterior hallways

27 Roofs, primary building components

271	Rafter roofs
272	Roof cassettes
273	Warm roofs
274	Curtain roofs
275	Movable roofs
276	Canopies and shelters
279	Other roof constructions

28 Other primary building components





SECONDARY BUILDING COMPONENTS

CAT. NO. TYPE

30 Secondary components, terrain

- 301 Fences, foreclosure
- 302 Complementary stairs, ramps in terrain

31 Secondary components to external walls

- 311 Exterior doors
- 312 Exterior windows
- 313 Exterior doors, curtain wall systems
- 314 Exterior window openings, curtain wall systems
- 315 Exterior panels, spandrels and mullion profiles, curtain wall systems
- 316 Exterior ports and revolving doors
- 317 Exterior walls, screening walls
- 319 Other

32 Interior, secondary components

- 321 Interior doors
- 322 Interior windows, hatches and trapdoors
- 323 Interior doors, curtain wall systems
- 324 Interior window openings, curtain wall systems
- 325 Interior windows, spandrels and mullions, curtain wall systems
- 326 Interior doors and revolving doors
- 327 Moveable inside walls
- 328 Internal walls, screening walls
- 329 Other secondary components

33 Slab, complementary

- 331 Floor finishes raised on joists
- 332 Floating floors
- 333 Hatches, grates, mat wells, doormat frames
- 334 In-situ floors
- 335 Raised finishes
- 336 Sound absorbers
- 339 Other complementaries

CAT. NO. TYPE

34 Stairs and ramps, secondary

- 341 Railings, guardrails and handrails, exterior
- 342 Railings, guardrails and handrails, interior
- 343 Gratings, mat wells, doormat frames
- 349 Other stair complementaries

35 Ceiling, complementary

- 351 Interior suspended ceilings
- 352 Exterior suspended ceilings
- 353 Interior surface mounted ceilings
- 354 Exterior surface mounted ceilings
- 355 Interior ceiling skirts
- 356 Exterior ceiling skirts
- 337 Sound absorbers

36 Balconies, secondary

- 361 Handrails, parapets

37 Roof, secondary

- 371 Dormers
- 372 Skylights, smoke hatches and roof access hatches
- 373 Sunscreens for skylights
- 374 Mansafe systems
- 375 Fire parapet walls
- 376 Flashings
- 377 Coverings on finished roofs

38 Other secondary building components





FINISH SURFACES

CAT. NO. TYPE

41 Exterior wall finishes

- 411 Painted
- 412 Coverings, cladded
- 413 Coverings, mounted

42 Interior wall finishes

- 421 Painted
- 422 Coverings, cladded
- 423 Coverings, mounted

43 Suspended floors & finishes

- 431 Painted
- 432 Coverings, cladded
- 433 Coverings, mounted

44 Stairs and ramps, finishes

- 441 Painted
- 442 Coverings, cladded
- 443 Coverings, mounted

45 Ceiling, finishes

- 451 Painted
- 452 Coverings, cladded
- 453 Coverings, mounted

46 Balconies, finishes

- 461 Painted
- 462 Coverings, cladded
- 463 Coverings, mounted

47 Roof, finishes

- 471 Painted
- 472 Coverings, cladded

48 Surface building, other





PLUMBING - AND HVAC CONTROL SYSTEMS

CAT. NO. TYPE

50 Plumbing installations, terrain

- 501 Wells
- 502 Other accessories

51 Logistics

52 Drainage and sanitation

- 521 Drainage and the like accessories
- 522 Toilet and shower
- 523 Sinks and taps
- 524 Drain connection to equipment
- 525 Other drainage and sanitation

53 Water (cold / hot water, treated water)

- 531 Mechanical equipment

54 Gases (gas, compressed air, vacuum, steam)

- 541 Mechanical equipment

55 Cooling

- 551 Mechanical equipment

56 Heating System

- 561 Heating Devices
- 562 Burner
- 563 Other mechanical equipment

CAT. NO. TYPE

57 HVAC system

- 571 Round and rectangular ducts
- 572 Other channels
- 573 Duct accessories
- 574 Installations cooling / heating coils exchanger
- 575 Fan
- 576 Luminaire
- 577 Valves
- 578 Connections to the equipment
- 579 Roof terminals / bushings

58 Sprinkler

- 581 Accessories
- 582 Mechanical equipment

59 Transverse components, plumbing

- 591 Metal pipes
- 592 Plastic pipe or similar
- 593 Other pipes
- 594 Static pipe fittings
- 595 Dynamic pipe fittings
- 596 Motordriven pipe fittings
- 597 Meters
- 598 Pipes – and pipe insulation





Subdivision of Type Codes for plumbing and HVAC systems

Type Codes for plumbing and heating / HVAC systems on page 12

CAT.	NO.	TYPE	CAT.	NO.	TYPE
501	Wells		523	Sinks and taps	
	5011	Well		5231	Basin
	5012	Drainage well		5232	Kitchen sink
	5013	Rainwater gully		5233	Cleaning wash
	5014	Pump well		5234	Steel sink
	5015	Flushing well		5235	Bucket sink
	5016	Dry well		5236	Hose union tap
	5017	Grit chamber			
502	Other accessories		524	Drain connection to equipment	
	5021	Fascine		5241	Drinking water cooler
	5022	Højvandslukke		5242	Icemachine
	5023	Separator (Oil, fat, gas and so on)		5243	Coffee maker
	5024	Fire hydrant		5244	Cooling desk
	5025	Tanks for oil / gas		5245	Dishwasher
				5246	Oven
				5247	Washing machine
521	Drain and similar accessories		525	Other drainage and sanitation	
	5211	Floor drain		5251	Fire hose cabinet
	5212	Special drain		5252	Safety shower
	5213	Drip cup			
	5214	Vacuum valve	531	Mechanical equipment	
	5215	Roof drain		5311	Water heater (power-driven)
	5216	Cleaning hatch		5312	Korrolyseanlæg
522	Toilet and shower			5313	Production BBK
	5221	Toilet		5314	Production RO
	5222	Bathtub		5315	Paraffin cleaner
	5223	Bidet		5316	Booster Sets
	5224	Shower		5317	Water treatment plant
	5225	Urinal	541	Mechanical equipment	
				5411	Special gas manifold
				5412	Pneumatic compressor
				5413	Monitoring Unit
				5414	Emergency shut-off boxes
				5415	Emergency Supply Unit





Subdivision of Type Codes for plumbing and HVAC systems

Type Codes for plumbing and heating / HVAC systems on page 12

CAT.	NO.	TYPE	CAT.	NO.	TYPE
551		Mechanical equipment	571		Circular and rectangular ducts
	5511	Cooling Central		5711	SR, circular duct, attachment
	5512	Cooling Mixing loop		5712	SR, circular duct, T-attachment
	5513	Cool room		5713	SR, circular duct, small radius
	5514	Cooling surface		5714	Rectangular duct, small radius, attachment
	5515	Fan coil		5715	Rectangular duct, Radius curve, attachment
	5516	Chilled beam		5716	Rectangular duct, Small radius, T-attachment
561		Heating Devices		5717	Rectangular duct, radius curve T-attachment
	5611	Heating surface	572		Other ducts
	5612	Radiator		5721	Oval duct
	5613	Floor heating		5722	Flexible duct, rectangular
	5614	Radiant heating panel		5723	Flexible duct circular
	5615	Convactor heater	573		Duct accessories
	5616	Air heating unit		5731	Muffler
	5617	Caloriefer		5732	Fire louvre
	5618	Hot-water tank		5733	Fire and smoke louvre
562		Furnaces		5734	Pressure control louvre
	5621	Gas furnace		5735	Smoke louvre
	5622	Oil furnace		5736	Louvre on/off
563		Other mechanical equipment		5737	Volumen flow regulator
	5631	Heat exchanger		5738	Zone louvre/VAV-louvre
	5632	Mixing loop		5739	Filter
	5633	Expansion tank			





Subdivision of Type Codes for plumbing and HVAC systems

Type Codes for plumbing and heating / HVAC systems on page 12

CAT.	NO.	TYPE	CAT.	NO.	TYPE
574	Installation, cooling/heating coil exchanger		579	Roof terminals / bushing	
	5741	Ventilation unit		5791	Jet exhaust
	5742	Heating surface		5792	Exhaust cap
	5743	Cooling surface		5793	Intake cap
	5744	Liquid connected exchanger		5794	Exhaust chimney
	5745	Heat recovery		5795	Intake chimney
	5746	Heat exchanger		5796	Roof bushing
	5747	Humidifier		5797	Membrane bushing
	5748	Dehumidifier			
575	Ventilator		581	Accessories	
	5751	Ventilator		5811	Alarm valves
	5752	Axial ventilator		5812	Sprinkler nozzels
	5753	Box ventilator		5813	Flow switch
	5754	Duct ventilator			
	5755	Process exhaust ventilator	582	Mekanical equipment	
	5756	Roof ventilator		5821	Sprinkler installation
	5757	Humidity controlled ventilator		5822	Water purification installation
				5823	Pressure tanks
				5824	Pressure tank pumps
576	Armatures		591	Metal pipe	
	5761	Nozzles		5911	Galvanized pipes
	5762	Displacement armature		5912	Pre-insulated steel pipes
	5763	Ceiling armature		5913	Stainless steel pipes
	5764	Ceiling armature - visible assembled		5914	Black steel pipes
	5765	Clean-room armature		5915	Electrolytic galvanized steel pipes
	5766	Wall armatur		5916	Cobber pipes, soft
	5767	Intake bag		5917	Cobber pipes, hard
	5768	Ejection suction		5918	Alupex
	5769	Local extraction			
577	Valves				
	5771	Control valves			
	5772	Pressure release valves			
578	Connections to equipment				
	5781	Cooker hood			



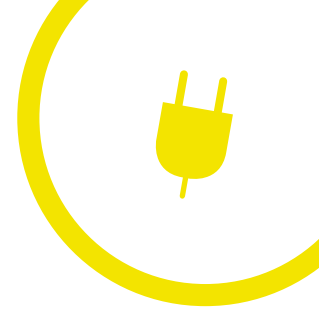


Subdivision of Type Codes for plumbing and HVAC systems

Type Codes for plumbing and heating / HVAC systems on page 12

CAT.	NO.	TYPE	CAT.	NO.	TYPE
592	Plastic pipes and similar		597	Gauges, filteres and others	
	5921	<i>Pe pressure pipes</i>		5971	<i>Filter</i>
	5922	<i>PEL pipes</i>		5972	<i>Flow gauge</i>
	5923	<i>PEM pipes</i>		5973	<i>Distribution pipe</i>
	5924	<i>PEX pipes</i>		5974	<i>Thermometer</i>
	5925	<i>PP waste pipes</i>		5975	<i>Manometer</i>
	5926	<i>PP x-stream rainwater pipes</i>		5976	<i>Compensator</i>
	5927	<i>PVC pressure pipes</i>	598	Duct and pipe insulation	
	5928	<i>Red PP smooth pipes</i>		5981	<i>Insulation, Fire</i>
	5929	<i>Red PP rib pipes</i>		5982	<i>Insulation, Heat</i>
593	Other pipes			5983	<i>Insulation, Condensation</i>
	5931	<i>Concrete pipes</i>		5984	<i>Insulation, Noise</i>
	5932	<i>Super flex pipes</i>			
594	Static valves				
	5941	<i>Insolation valve</i>			
	5942	<i>String regulating valve</i>			
	5943	<i>Magnet valve</i>			
	5944	<i>Safety valve</i>			
	5945	<i>Air bleed cock</i>			
	5946	<i>Drain valve</i>			
	5947	<i>Cylinder gas regulator</i>			
	5948	<i>NIST coupling</i>			
595	Dynamic valves				
	5951	<i>Circulation valve</i>			
	5952	<i>String regulering valve</i>			
	5953	<i>Pressure differential regulator</i>			
596	Motorized pips accessories				
	5961	<i>Motorized valve</i>			
	5962	<i>Motorized pressure differential regulator</i>			





ELECTRICAL AND MECHANICAL SYSTEMS

CAT. NO. TYPE

60 Terrain

- 601 Wires
- 602 Lighting
- 603 Installation for underground facilities
- 604 Installation for ground level facilities
- 605 Traffic management

61 Routing

- 611 Routing
- 612 Gaps and recesses
- 613 Fire and audio sealings

62 High voltage

- 621 Supply
- 622 Distribution
- 623 Installations for appliances and machines
- 624 Secondary high voltage

63 Low voltage

- 631 Supply - external
- 632 Distribution
- 633 Installations for appliances and machines
- 634 Thermal facilities
- 635 Installations for lighting
- 636 Lighting fixtures
- 637 Power installations
- 638 Renewable energy - Internal distribution

CAT. NO. TYPE

64 Communication and information

- 641 Communication
- 642 Information
- 643 Audio, video and antenna
- 644 IT infrastructure

65 Security

- 651 Access security
- 652 Security systems
- 653 Individual safeguarding systems

66 Building automation

- 661 Building Management Systems
- 662 Central Status Control
- 663 Distributed Status Control

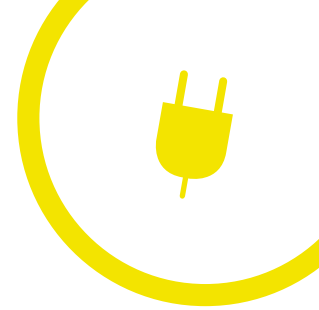
67 Protection

- 671 Overvoltage protection
- 672 Equalizer connections
- 673 Cathodic Protection
- 674 EMI (Electrical Magnetical Interference)

68 Passenger and material transportation

- 681 Passenger transportation
- 682 Cargo and material transportation





Subdivision of Type Codes for Electrical and mechanical systems

Type Codes for Electrical and mechanical systems on page 17

CAT.	NO.	TYPE	CAT.	NO.	TYPE
601	Wires		611	Routing	
	6011	<i>Air-wiring of high-voltage facilities</i>		6111	<i>Embeddings</i>
	6012	<i>Gound-wiring of high-voltage facilities</i>		6112	<i>Trunking</i>
	6013	<i>Air-wiring of low-voltage facilities</i>		6113	<i>Cable trays</i>
	6014	<i>Ground-wiring of low-voltage facilities</i>		6114	<i>Cable ladders</i>
	6015	<i>Wiring for electronics and weak current installations</i>		6115	<i>Conducts</i>
				6116	<i>Boxes</i>
602	Lighting		612	Gaps and recesses	
	6021	<i>Street lighting</i>		6121	<i>Gaps and recesses</i>
	6022	<i>Area lighting</i>	613	Fire and audio sealings	
	6023	<i>Park and garden lighting</i>		6131	<i>Fire and audio sealings</i>
	6024	<i>Special lighting</i>	621	Supply	
603	Installation for underground facilities			6211	<i>Service wires</i>
	6031	<i>Facility for earth electrodes</i>		6212	<i>Transformers</i>
	6032	<i>Oil separator facility</i>		6213	<i>Emergency and reserve supply facilities</i>
	6033	<i>Pump systems in wells</i>		6214	<i>AC and DC inverter facilities</i>
	6034	<i>Registering facility for grease separator</i>		6215	<i>Phase compensation facilities</i>
	6035	<i>Heat wire facility</i>		6216	<i>Frequency inverter facilities</i>
	6036	<i>Leak detection facility</i>	622	Distribution	
	6037	<i>Cooling detection facility</i>		6221	<i>Main cables</i>
604	Installation for ground level facilities			6222	<i>Switchgear</i>
	6041	<i>Facilities for secondary buildings</i>	623	Installations for appliances and machines	
	6042	<i>Tank facilities</i>		6231	<i>Production machines</i>
	6043	<i>Charging dock for electric cars</i>		6232	<i>Pump facilities</i>
605	Traffic management			6233	<i>Motors</i>
	6051	<i>Traffic signal facilities</i>	624	Secondary high voltage	
	6052	<i>Fixed signs</i>		6241	<i>Lighting fixtures</i>
	6053	<i>Dynamic signs</i>		6242	<i>Test stands</i>
	6054	<i>Traffic detection</i>			
	6055	<i>Barrier facilities</i>			



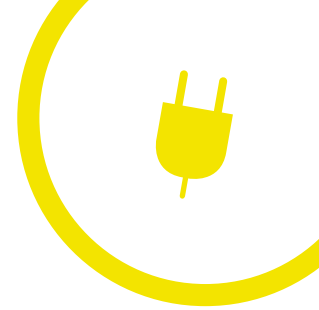


Subdivision of Type Codes for Electrical and mechanical systems

Type Codes for Electrical and mechanical systems on page 17

CAT.	NO.	TYPE	CAT.	NO.	TYPE
631	Supply - external		635	Installations for lighting	
	6311	Service wires / Bus bar		6351	Facilities for general lighting
	6312	Transformer facilities		6352	Facilities for low voltage lighting
	6313	Switchboards		6353	Facilities for safety lighting
	6314	Emergency and reserve supply facilities / UPS		6354	Facilities for special lighting
	6315	DC thyristor facilities		6355	Facilities for lighting control
	6316	AC and DC inverter facilities	636	Lighting fixtures	
	6317	Phase compensation facilities		6361	Fixtures - general lighting
	6318	Frequency inverter facilities		6362	Fixtures - safety lighting
				6363	Fixtures - special lighting
632	Distribution		637	Power installations	
	6321	Main cables		6371	Sockets
	6322	Main distribution boards		6372	Work stations
	6323	Group distribution boards		6373	Outlets
	6329	Other boards		6374	Distribution for appliances
633	Installations for appliances and machines		638	Renewable energy - Internal distribution	
	6331	Boiler facilities		6381	Solar panels
	6332	Cooling facilities		6382	Windmills
	6333	Production machines		6383	Heat pumps
	6334	Pump facilities	641	Communication	
	6335	Production kitchen machine facilities		6411	Telephone, landline
	6336	Grand / shared laundry facilities		6412	Telephone, wireless
	6337	Transportation facilities		6413	Radio facilities
	6338	Ventilation facilities		6414	Pager facilities
	6339	Installations for other mechanical facilities		6415	Door and entry phone
				6416	Nurse call system
634	Thermal facilities		642	Information	
	6341	Electrical radiator		6421	Occupied facility
	6342	Electrical heating surface		6422	Calling facilities
	6343	Hand dryer, heated towel rail		6423	Scoreboard facilities
	6344	Oven facilities		6424	Clock facilities
	6345	Heat radiant facilities			
	6346	Heat cable facilities			





Subdivision of Type Codes for Electrical and mechanical systems

Type Codes for Electrical and mechanical systems on page 17

CAT.	NO.	TYPE	CAT.	NO.	TYPE
643	Audio, video and antenna		662	Central Status Control	
	6431	Speaker facilities		6621	CSC facilities
	6432	Microphone facilities		6622	KNX IBI facilities with central control
	6433	Teleloop facilities			
	6434	Video facilities	663	Distributed Status Control	
	6435	Antenna facilities		6631	IBI facilities with distributed control
	6436	AV facilities			
644	IT infrastructure		671	Overvoltage protection	
	6441	Cable and patch panels		6711	Lightning protection
	6442	DAS - antenna facilities			
	6443	Positioning systems	672	Equalizer connections	
651	Access security			6721	Main equalizer connection
	6511	Automatic Intrusion Alarm systems		6722	Local equalizer connection without ground connection
	6512	Automatic Door Control systems		6723	Additional equalizer connection
	6513	Internal video surveillance systems		6724	Medicotechnical equalizer connection
652	Security systems		673	Cathodic Protection	
	6521	Automatic Fire Alarm systems		6731	Cathodic protection of pipes and tank facilities
	6522	Automatic Fire Door Closing systems		6732	Cathodic protection of reinforcement
	6523	Automatic Gas Alarm systems	674	EMI (Electrical Magnetical Interference)	
	6524	Automatic Room Extinguishing systems		6741	Special precautions against electromagnetic interference
	6525	Automatic Water Extinguishing systems		6742	Shielding scanner room
	6526	Automatic Fire Ventilation systems	681	Passenger transportation	
653	Individual safeguarding systems			6811	Elevators
	6531	Warning systems		6812	Lifts
	6532	Emergency Call systems		6813	Escalators
	6533	Alarm systems for cooling rooms		6814	Moving walkways
	6534	Detection systems for individual safeguarding	682	Cargo and material transportation	
	6535	Panic alarm		6821	Elevators
661	Building Management Systems			6822	Lifts and scissors lifts
	6611	BMS facilities		6823	Conveyor belt
				6824	Cranes and hoists
				6825	AGV systems
				6826	Pneumatic tube system





FURNITURE AND EQUIPMENT

CAT. NO. TYPE

70 Furniture, terrain

- 701 Technical equipment
- 702 Boards, signs and screens
- 703 Storage, trash racks, bike racks, mailboxes
- 704 Table furniture
- 705 Seating furniture
- 706 Handrails and parapets
- 709 Other fixtures in the terrain

71 Furniture, built-in

- 711 Cabinets, drawers
- 712 Bookcases, shelves
- 713 Seating furniture, lawn furniture
- 714 Curtains, blinds, screens, curtains
- 715 Tables, Countertops
- 716 Signs, boards
- 717 Garnish
- 719 Other fixed furniture

72 Furniture, movable

- 721 Cabinets, drawers
- 722 Bookcases
- 723 Seating furniture, lawn furniture
- 724 Screens, curtains
- 725 Tables
- 726 Stands, shelves
- 727 Mats, rugs, runners
- 729 Other removable fixtures

73 Fixtures, technical, IT and audio-visual equipment

- 731 AV equipment
- 732 IT equipment
- 733 Lighting
- 734 Vending Machines
- 735 Firefighting equipment
- 736 Appliances





PLANTING AND EXTERNAL GROUND FINISHES

CAT. NO. TYPE

80 Coatings and fixings

- 801 Asphalt coatings
- 802 Concrete coatings
- 803 Rubber coatings
- 804 Tiling and paving
- 805 Crushed stone and gravel
- 806 Edge elements
- 807 Striping
- 809 Other coatings and fixings

81 Planting

- 811 Trees
- 812 Hedges
- 813 Shrubs
- 814 Ground cover plants
- 815 Climbers
- 816 Lawns
- 819 Other planting





PROJECT EQUIPMENT

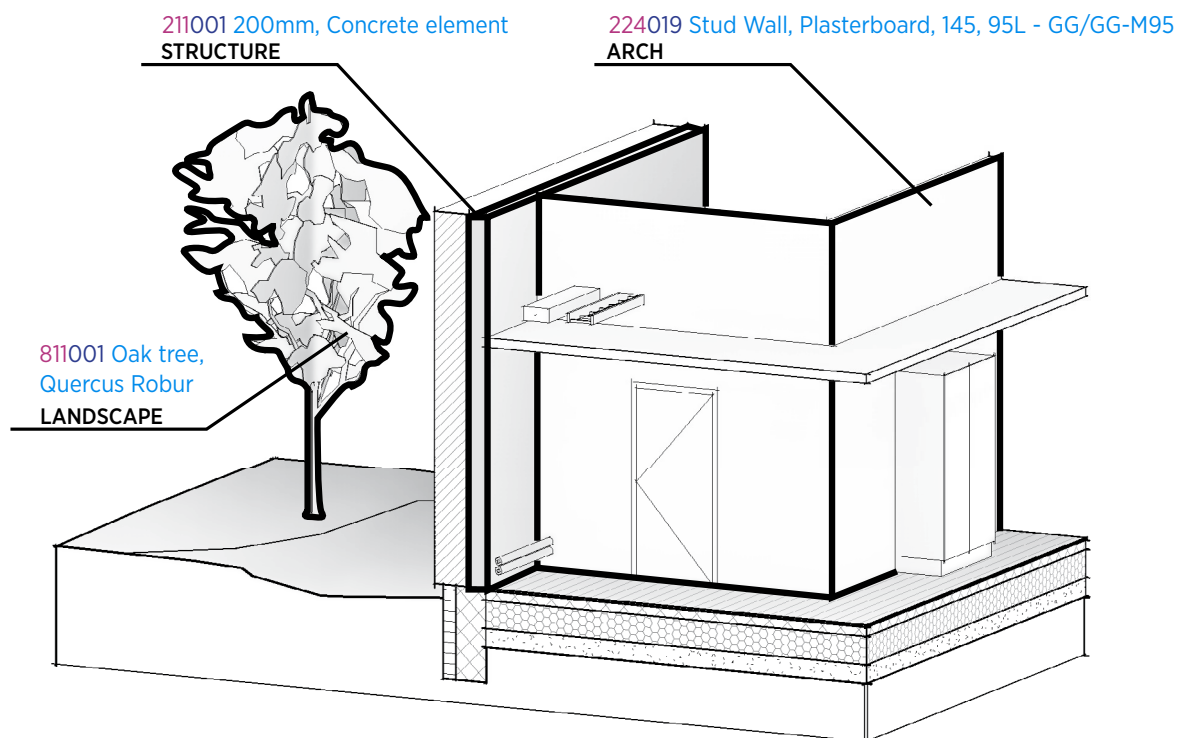
CAT. NO. TYPE

- 91 Project equipment ARCH
- 92 Project equipment CON
- 93 Project equipment HVAC
- 94 Project equipment PLU
- 95 Project equipment EL
- 96 Project equipment LAND



BIM7AA TYPE CODE LIST

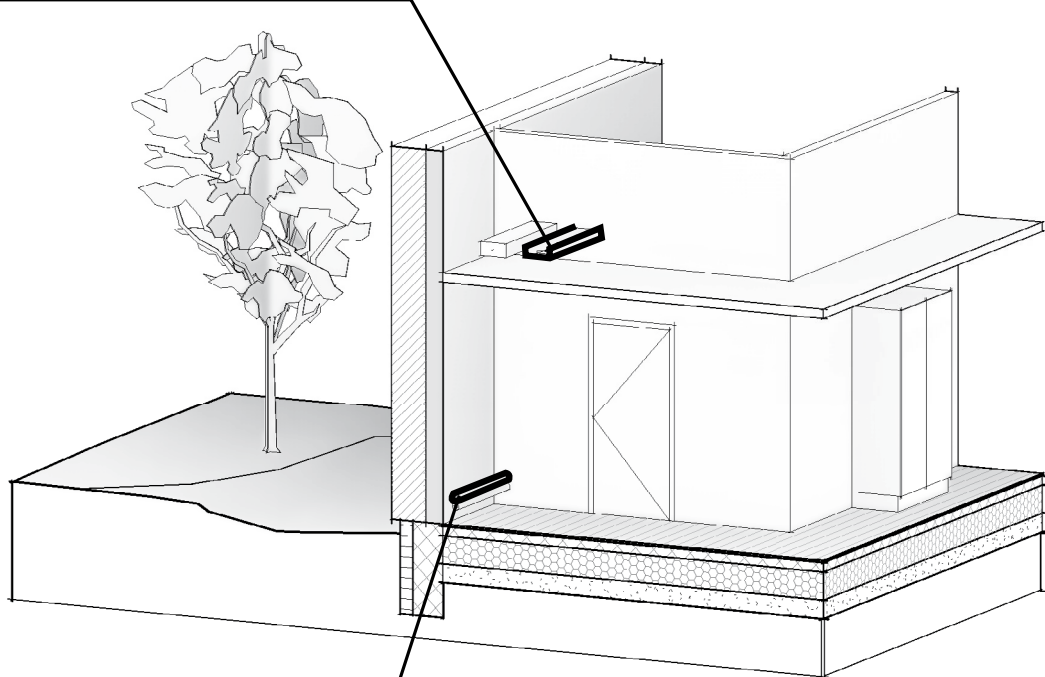
Example 1: ARCH, STRUCTURE, LANDSCAPE



BIM7AA TYPE CODE LIST

Example 2: ELECTRICAL AND MECHANICAL SYSTEMS PLUMBING - AND HVAC CONTROL SYSTEMS

6113001 Galvanized cable tray
Electrical and mechanical systems



5914001 Black steel pipes
Plumbing- and HVAC control systems



INFORMATION

Collaboration group

BIM7AA

The purpose of setting up a collaboration involving seven architectural firms is to develop and continuously optimise commonly developed trade-oriented, trade-supporting and interdisciplinary BIM tools, as well as methods and processes.

The primary focus is on the trade-oriented aspect which is founded on the vast ICT and project experiences jointly possessed by BIM7AA and the other participating companies.

Collaboration group

BIM7AA Type Code is the result of voluntary collaboration involving the seven architectural firms in Aarhus, all of which are working on “super hospitals projects” currently under construction. These projects are characterised by great complexity and comprehensive ICT requirements.

Throughout 2013 to 2015, ICT and BIM experts from the respective architectural firms – together with the Aarhus School of Architecture – have formed a task force which, through many workshops, has discussed and evaluated the possibilities of value-added productivity and optimisation of BIM processes, based on the lessons learned from project design and planning, in accordance with the Executive Orders on ICT.

BIM7AA wants to share the results of this collaboration and has therefore chosen to make the BIM7AA Type Code available for everyone. The Type Code is already being used in ongoing projects by the companies participating in the BIM7AA task force, who are at the same time compiling the lessons learnt from this to make ongoing updates of the Type Code.





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ARKITEMA
ARCHITECTS

C.F. Møller

CUBO

FRIIS & MOLTKE

schmidt/hammer/
lassen architects/

The BIM7AA task force is established by:

aarhus arkitekterne
AART architects
Aarhus School of Architecture
Arkitema Architects
C.F. Møller
CUBO Arkitekter A/S
Friis & Moltke A/S
schmidt hammer lassen architects

Interdisciplinary collaboration

To ensure integrated Type Code involving and representing all building trade disciplines, highly qualified ICT and BIM experts representing four recognised consulting engineering firms and two landscapearchitecture firms have participated in the development work for:

Structure, plumbing- and HVAC control systems as well as electrical and mechanical systems and land-scaping respectively.

The interdisciplinary collaboration will remain in focus for BIM7AA going forward.

The Type Code is an open-source document which is made available free of charge. BIM7AA cannot be held liable for how the user of the Type Code chooses to use it.

Link/Web

www.BIM7AA.com





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