



Layer Naming Convention

This document as provided as is and may be used as a basis for companies or projects wishing to implement a layer standard in accordance with BS1192:2007 and Uniclass.

The Layer documentation provided is an implementation of the layer standard as defined within BS1192:2007 and incorporates CPIC's Uniclass classification table 1.4 published January 2011.

Background

BIMuk comprises conventions, documentation and guidance on best practise for incorporating BIM software and procedures into the AEC Industries within the United Kingdom.

BIMuk brings together many UK standards already used within the Architectural, Engineering and Construction Industries and provides conventions for how the standards can be implemented for any company or project. Contributors to these standards include authors of relevant British Standards, CPIC guidance documents plus lead individuals from many companies in the forefront of BIM technologies in the UK.

This document is based upon the layering standard as defined within BS1192:2007, which is the prevailing document relating to Layer Standards.

Scope

This document provides guidance on the implementation of the BS1192:2007 Layer standard using the Uniclass Classification system. Since the launch of the BS1192:2007 Standard there have been further developments in the relevant British standards including the release of BS8541-2:2011. The requirements of this standard has led to the development of additional presentation codes for layers that are available for use, if required.

BS1192:2007 mandates the use of Uniclass as the classification system to be used within Layer names. The original implementation of the Element fields within Uniclass meant that often the use of concatenated Uniclass codes was required in order to classify specific elements.

CPIC have therefore carried out additional work within this area and have recently published version 1.4 of Uniclass in January 2012 for the CPiX Layer Generator. This unifies tables G (Elements for Building) and H (Elements for Civil) into one combined table G to enable the classification of elements across both Building and Civil, whilst also removing the need for concatenated codes. There has also been work on Table Z which provides a table for CAD specific classifications.

This document provides guidance on how to implement a layering convention to comply with the requirements of BS1192:2007 using the following:-

- Uniclass Classification version 1.4.
- Enhance Presentation codes for 3D modelling
- Agreed Alias Convention for Uniclass version 1.4

It also provides further information regarding how the relevant layer fields defined within BS1192:2007 shall be implemented whilst

For a more detailed description of the standard please refer to either BS1192:2007 itself or the supporting documentation produced by the BSI and links can be found on the BSI web site.

Uniclass is a classification system owned and developed by CPIC (<http://www.cpic.org.uk/>) and the data presented in this document is based upon the Uniclass 1.4 version released in January 2012. This is available from the CPIC web site and used within the CPiX Layer Generator Tools.

Please check the CPIC website for the latest updates to the Uniclass standard.

Special Characters

To ensure compatibility and interoperability between CAD software the use of special characters and spaces MUST NOT be used in any Layer naming conventions.

Therefore the following best practise should be followed:-

Only the letters (A to Z), hyphen (-), underscore (_) and numbers (0-9) shall be used in the naming CAD Layers

- Spaces MUST NOT be used.

The following characters MUST NOT be used in any circumstances:-

- , ° ! " £ \$ % ^ & * () { } [] + = < > ? | \ / @ ' ~ # ~ ` `

Implementing the BS1192:2007 Layer Standard

BS1192:2007 allows only for the following fields to be included within any Layer Name:-

Field	Role	Classification / Element	Presentation	Alias
Name	A	- G23	- M2	- Stair
Example	Architect	Stairs (Uniclass)	Model Graphics	Text

There are various methods of implementing the Layer standard within BS1192 which has led to inconsistencies. Therefore to aid with a common approach CPIC have provided a tool on their Web site to enable a common approach. This tool can be found at <http://cpionline.cpic.org.uk/FrmCPILayerGenerator.aspx>

By following the contents of this document you should be able to create the same layer standards using a manual process.

Layer Fields

The description below provides information relating to each of the fields in BS1192. Data options for each of the fields is provided later within this documentation.

Field 1: Role (1 Char)

'The Discipline who is the owner of the information'

This is a single Character code representing the role of the creator of the data produced. BS1192:2007 provides a list of the disciplines which has been replicated later in this document. A Hyphen (-) is used as a separator between the Field 1 Role and Field 2 Classification.

Field 2: Classification / Element (Variable)

BS1192:2007 mandates the use of Uniclass as the classification system to be used within Layer names. A list of the Uniclass Tables F - Spaces, Table G – Elements for Building and Civil and Table Z - Computer Aided Design are provide later in this document. A Hyphen (-) is used as a separator between the Field 2 Classification and Field 3 Presentation.

Field 3: Presentation Codes (2 Char)

BS1192 allows for a definition of the graphics to be used to represent an object in either a single or two letter codes. Where graphic representations are to be kept simple then the single codes as defined within BS1192:2007 should be used.

To aid with BIM implementation, where further graphics control is required, a two character code should be adopted Two Character codes definitions are provided later in this document and include for additional presentation requirements as included with BS8541-2:2011. An Underscore (_) is used as a separator between the Field 3 Presentation and Field 3 Alias.

Field 4: Alias

Description code to assist Layer Identification

The purpose of the Alias fields is to assist the identification of the building elements defined by the classification system. To ensure the consistent use of the Alias field CPIC have provided a standard list of Aliases to be used with each of the Uniclass classifications included with Uniclass version 1.4. These are included with each table code. Underscores are used to replace spaces within the Alias and any plurals are removed.

Layer Name Examples

The following Wall examples demonstrate how layers could be used in Practice. Where possible the minimum amount of layers should be used to aid the correct viewing, presentation and collation of data. Therefore just the Simple Layer codes should be used in most circumstances. Where there are complex drawings or where presentation requirement further graphic refinement, then the complex layer codes should be used.

Simple Layer Codes

Layer Name Description of Layer make up

A-G25-M_Wall	Architect Wall for all model views
A-G25-A_Wall	Architect Wall Annotation (Tags etc.,,,)

Complex Layer Codes

Layer Name Description of Layer make up

A-G25-M_Wall	Architect Wall for Model Graphics (any view)
A-G25_MC_Wall	Architect Wall Model Cut plane (Section / Details)
A-G25_MH_Wall	Architect Wall for Hidden lines beyond cutting plane (BS8541-2:2011)
A-G25-MV_Wall	Architect Wall Visible items Behind / above the cut plane (BS8541-2:2011)
A-G25-A_Wall	Architect Wall Annotation (Tags etc.,,,)

Typical Layer use examples

Some typical layer use examples are provided to demonstrate the application of the convention:

Layer Name Description of Layer make up

A-G321-M_Window	Architect Window Model Graphics (Any view)
A-G321-A_Window	Architect Window Annotation (Tags etc.)
A-Z78-M_Mass	Architect Massing Objects
A-F2-A-Room	Architect Room Annotation (Tags etc.)
A-Z221-T_Text	Architect General Text
M-G52-M_HVAC	Mechanical Engineer HVAC Model Graphics (any view)
M-G52-A_HVAC	Mechanical Engineer HVAC Annotation (Tags etc.)
S-Z81-M_Con	Structural Engineer Construction Lines
S-G262-M_Column	Structural Engineer Column Model Graphics
E-G55-M_COMM	Electrical Engineer Communications Model Graphics
E-G55-A_COMM	Electrical Engineer Communications Annotation (Tags etc.)

Field 1: Role

The Role field defines the discipline for the owner of the information to be produced within CAD.

There are specific implementation differences between fields such as 'Role' in the UK and 'Discipline' in the USA; Within BS1192:2007 the 'Role' field signifies the Author or Owner of the information. Therefore when an Architect draws a column the layer 'Role' field must be designated with the letter A for Architect.

In the USA the Layer Field refers to the 'Discipline' having responsibility for the object. So in the USA the Architect would draw a column and the 'Discipline' field would be designated S, passing the responsibility to the Structural Engineer.

In the UK each discipline only draws on the layers where the Role Field designates their specific discipline. Therefore anything an Architect draws must be on a Layers commencing with the letter A.

The following table is taken from BS1192:

CODE	Discipline
A	Architects
B	Building Surveyors
C	Civil Engineers
D	Drainage Sewage and Road Engineers
E	Electrical Engineers
F	Facilities Managers
G	GIS Engineers & Land Surveyors
H	Heating & Ventilation Engineers
I	Interior Designers
K	Client
L	Landscape Architects
M	Mechanical Engineers
P	Public Health Engineers
Q	Quantity Surveyors
S	Structural Engineers
T	Town & Country Planners
W	Contractors
X	Sub-Contractors
Y	Specialist Designers
Z	General (Non disciplinary)

Field 2: Classification / Elements

A list of the Uniclass codes for version 1.4 correct as of January 2012 is provided here. This includes tables F.G and Z which are considered the most appropriate tables for use within Layer names.

Please refer to the CPIC website for a full listing of the codes available. Up to date codes can be found using the CPIx Layer Generator tool at:

<http://cpionline.cpic.org.uk/FrmCPILayerGenerator.aspx>

It is also possible through the CPIC web site to request additional codes where the appropriate item has not been previously defined. The link for this can be found at:

<http://cpionline.cpic.org.uk/FrmCPIRequest.aspx>

Field 2: Classification Code (Uniclass V 1.4 Table F - Spaces)

Table G in Uniclass version 1.4 includes rationalised content from both the previous tables G (Elements for Buildings) and Table H (Elements for Civil).

Code	Description	CAD Alias (Field 4)
F	Spaces	Space
F1	Compound spaces of buildings	Space
F11	Semi-independent parts of a building, blocks	Space_Block
F12	Vertically divided parts of buildings	Space_Vertical
F121	Wings	Space_Wing
F122	Bays	Space_Bay
F123	Core	Space_Core
F13	Horizontally divided parts of buildings, storeys	Space_Horizontal
F131	Sub-basement	Sub-basement
F132	Basement	Basement
F133	Semi-basement	Semi-basement
F134	Ground floor	Ground_floor
F135	Mezzanine floor	Mezzanine_floor
F136	First floor and above, but below highest floor	Upper_Floors
F13601	First floor	First_floor
F13602	Second floor	Second_floor
F13603	Third floor	Third_floor
F13610	Tenth floor	Tenth_floor
F13611	Eleventh floor	Eleventh_floor
F13699	Ninety-ninth floor	Ninety-ninth_floor
F137	Highest floor	Highest_floor
F138	Space beneath a sloping roof, attic	Space_attic
F139	Space on top of a flat roof	Space_flat_roof
F19	Other compound spaces, zones	Space_compound_zone
F191	User functional departments	Department
F2	Rooms	Room
F3	Circulation spaces	Space_Circulation
F311	Porches	Porch
F314	Entrance halls, foyers	Entrance_hall
F317	Atria	Atria
F321	Central halls, lobbies	Lobby
F324	Stairs, lift shafts, escalators	Vertical_Circulation
F327	Corridors	Corridor
F331	Internal balconies, galleries	Internal_balcony
F332	External balconies	External_balcony
F334	Gangways	Gangway
F337	Covered ways	Covered_way
F338	Cloisters	Cloister
F341	Passages, alleys	Passage_alley

F344	Crawlways	Crawlway
F351	Air locks	Air_lock
F399	Other circulation spaces	Space_Other_circulation
F4	Building sub-spaces	Building_sub-space
F41	Activity space	Activity_space
F42	Working space	Working_space
F43	Occupied space	Occupied_space
F44	Alcoves, niches	Alcove_niche
F45	Incidental space, voids	Space_void
F5	Internal spaces of buildings	Space_Internal
F6	External spaces of buildings	Space_External
F61	Courtyards, forecourts	Courtyard_forecourt
F62	Basement areas	Basement_area
F63	Dry areas	Dry_area
F64	Light wells	Light_well
F65	Terraces	Terrace
F651	Verandas	Veranda
F7	Building spaces by degree and type of enclosure	Space_Building_Enclosure
F71	Free space	Space_Free
F72	Open space	Space_Open
F73	Not covered, enclosed space	Space_Not_covered_enclosed
F731	Partly covered	Space_Partly_covered
F74	Covered, not enclosed space	Space_Covered_not_enclosed
F75	Fully enclosed space	Space_Fully_enclosed
F8	Miscellaneous spaces, other spaces	Space_Misc
F81	Fire compartments	Fire_compartment
F82	Protected space	Space_Protected
F83	Private space	Space_Private
F84	Public space	Space_Public
F85	Danger area	Space_Danger
F89	Other spaces	Space_Other
F9	Building space analysed	Area
F91	Building space analysed according to ISO 9836:1992	Area_ISO_9836
F911	Usable area	Area_Usable
F912	Circulation area	Area_Circulation
F913	Services area	Area_Service
F914	Structural element area	Area_Structural_element
F919	Gross area	Area_Gross
F92	Building space analysed according to RICS and ISVA Code of measuring practice	Space
F921	Net Internal Area	Area_Net_Internal

Field 2: Classification Code (Uniclass V 1.4 Table G Elements)

Table G in Uniclass version 1.4 includes rationalised content from both the previous tables G (Elements for Buildings) and Table H (Elements for Civil).

Code	Description	CAD Alias (Field 4)
G1	Site preparation	Site_Prep
G11	Site preparation Clearance	Site_Prep_Clearance
G12	Site preparation Contouring	Site_Prep_Contouring
G13	Site preparation Stabilisation	Site_Prep_Stabilisation
G14	Site preparation Trench	Site_Prep_Trench
G15	Site preparation investigation	Site_Prep_INV
G151	Site preparation investigation Boreholes	Site_Prep_INV_Boreholes
G152	Site preparation investigation Test Pits	Site_Prep_INV_Test_Pit
G1521	Site preparation investigation Test Pits Porosity pits	Site_Prep_INV_Test_Pit_Porosity_Pit
G153	Site preparation investigation Trenches	Site_Prep_INV_Trenches
G16	Site preparation Ground Measurement	Site_Prep_GRD_Measurement
G161	Site preparation Ground Measurement Piezometers	Piezometer
G162	Site preparation Ground Measurement Waterstrikes	Waterstrike
G2	Fabric complete elements	Fabric_complete_element
G21	Foundations	Foundation
G211	Foundations	Foundation_Other
G212	Foundations Pier	Foundation_Pier
G213	Foundations Compensated	Foundation_Compensated
G214	Foundations Pile Caps	Foundation_Pile_Cap
G2141	Foundations Pile Caps Insitu concrete	Foundation_Pile_Cap_Insitu
G2142	Foundations Pile Caps Precast concrete	Foundation_Pile_Cap_Precast
G215	Foundations Piles	Foundation_pile
G2151	Foundations Piles Insitu concrete	Foundation_pile_Insitu
G2152	Foundations Piles End bearing	Foundation_pile_End_bearing
G2153	Foundations Piles Friction	Foundation_pile_Friction
G2154	Foundations Piles Settlement reducing	Foundation_pile_Settlement_reducing
G2155	Foundations Piles Tension	Foundation_pile_Tension
G2156	Foundations Piles Laterally loaded	Foundation_pile_Laterally_loaded
G2157	Foundations Piles Infill	Foundation_pile_Infill
G216	Foundations Strip	Foundation_Strip
G217	Foundations Raft	Foundation_Raft
G218	Foundations Pad	Foundation_Pad
G219	Foundations Cassions	Foundation_Cassion
G22	Floors	Floor
G23	Stairs	Stair
G24	Roofs	Roof
G241	Roofs Flat	Roof_Flat
G242	Roofs Pitched	Roof_Pitched

G243	Roofs Mono-pitched	Roof_Mono-pitched
G244	Roofs Lean to	Roof_Lean_to
G245	Roofs Cable tension	Roof_Cable_tension
G246	Roofs Retractable	Roof_Retractable
G247	Roofs Prefabricated	Roof_Prefabricated
G248	Roofs Canopy	Roof_Canopy
G25	Walls	Wall
G2501	Walls Finish External	Wall_Fin_Ext
G2502	Walls Structure	Wall_Struct
G2503	Walls External Substrate	Wall_Sub
G2504	Walls Finish Internal	Wall_Fin_Int
G2505	Walls Insulant	Wall_Ins
G2506	Walls Membrane	Wall_Memb
G2507	Walls Edge	Wall_Edge
G2508	Walls Parts	Wall_Part
G2509	Walls Other	Wall_Outer_Other
G251	Walls External	Wall_Ext
G2510	Walls External Complete	Wall_Ext_Comp
G25101	Walls External Complete Brick	Wall_Ext_Comp_Bwk
G25102	Walls External Complete Block	Wall_Ext_Comp_Blk
G25103	Walls External Complete Concrete	Wall_Ext_Comp_Conc
G25104	Walls External Complete Concrete Mass	Wall_Ext_Comp_Conc_Mass
G25105	Walls External Complete Concrete Precast	Wall_Ext_Comp_Conc_PC
G25104	Walls External Complete Glazed	Wall_Ext_Comp_Glazed
G25106	Walls External Complete Drystone	Wall_Ext_Comp_DryStone
G25107	Walls External Complete Drystone Concrete Rubble	Wall_Ext_Comp_DryStone
G25108	Walls External Complete Drystone Natural Stone	Wall_Ext_Comp_DryStone
G2511	Walls External Finish External	Wall_Ext_Fin_Ext
G2512	Walls External Structure	Wall_Ext_Struct
G2513	Walls External Substrate	Wall_Ext_Sub
G2514	Walls External Finish Internal	Wall_Ext_Fin_Int
G2515	Walls External Insulant	Wall_Ext_Ins
G2516	Walls External Membrane	Wall_Ext_Memb
G2517	Walls External Edge	Wall_Ext_Edge
G2518	Walls External Parts	Wall_Ext_Part
G2519	Walls External Other	Wall_Ext_Outer_Other
G252	Walls Internal	Wall_Int
G2520	Walls Internal Complete	Wall_Int_Comp
G25201	Walls Internal Complete Brick	Wall_Int_Comp_Bwk
G25202	Walls Internal Complete Block	Wall_Int_Comp_Blk
G25213	Walls Internal Complete Concrete	Wall_Int_Comp_Conc
G2521	Walls Internal Finish External	Wall_Int_Fin_Ext
G2522	Walls Internal Structure	Wall_Int_Struct
G2523	Walls Internal Substrate	Wall_Int_Sub

G2524	Walls Internal Finish Internal	Wall_Int_Fin_Int
G2525	Walls Internal Insulant	Wall_Int_Ins
G2526	Walls Internal Membrane	Wall_Int_Memb
G2527	Walls Internal Edge	Wall_Int_Edge
G2528	Walls Internal Parts	Wall_Int_Part
G2529	Walls Internal Other	Wall_Int_Outer_Other
G253	Walls Partition	Wall_Part
G2530	Walls Partition Complete	Wall_Part_Comp
G2531	Walls Partition Finish External	Wall_Part_Fin_Ext
G2532	Walls Partition Structure	Wall_Part_Struct
G2533	Walls Partition Substrate	Wall_Part_Sub
G2534	Walls Partition Finish Internal	Wall_Part_Fin_Int
G2535	Walls Partition Insulant	Wall_Part_Ins
G2536	Walls Partition Membrane	Wall_Part_Memb
G2537	Walls Partition Edge	Wall_Part_Edge
G2538	Walls Partition Parts	Wall_Part_Part
G2539	Walls Partition Other	Wall_Part_Outer_Other
G254	Walls Retaining	Wall_Ret
G2540	Walls Retaining Complete	Wall_Ret_Comp
G2541	Walls Retaining Finish External	Wall_Ret_Fin_Ext
G2542	Walls Retaining Structure	Wall_Ret_Struct
G2543	Walls Retaining Substrate	Wall_Ret_Sub
G2544	Walls Retaining Finish Internal	Wall_Ret_Fin_Int
G2545	Walls Retaining Insulant	Wall_Ret_Ins
G2546	Walls Retaining Membrane	Wall_Ret_Memb
G2547	Walls Retaining Edge	Wall_Ret_Edge
G2548	Walls Retaining Parts	Wall_Ret_Part
G2549	Walls Retaining Other	Wall_Ret_Outer_Other
G255	Walls Site	Wall_Site
G2550	Walls Site Complete	Wall_Site_Comp
G2521	Walls Site Finish External	Wall_Site_Fin_Ext
G2492	Walls Site Structure	Wall_Site_Struct
G2523	Walls Site Substrate	Wall_Site_Sub
G2524	Walls Site Finish Internal	Wall_Site_Fin_Int
G2525	Walls Site Insulant	Wall_Site_Ins
G2526	Walls Site Membrane	Wall_Site_Memb
G2527	Walls Site Edge	Wall_Site_Edge
G2528	Walls Site Parts	Wall_Site_Part
G2529	Walls Site Other	Wall_Site_Outer_Other
G256	Walls Substructure	Wall_Sub
G2560	Walls Substructure Complete	Wall_Sub_Comp
G2561	Walls Substructure Finish External	Wall_Sub_Fin_Ext
G2562	Walls Substructure Structure	Wall_Sub_Struct
G2563	Walls Substructure Substrate	Wall_Sub_Sub
G2564	Walls Substructure Finish Internal	Wall_Sub_Fin_Int
G2565	Walls Substructure Insulant	Wall_Sub_Ins

G2566	Walls Substructure Membrane	Wall_Sub_Memb
G2567	Walls Substructure Edge	Wall_Sub_Edge
G2568	Walls Substructure Parts	Wall_Sub_Part
G2569	Walls Substructure Other	Wall_Sub_Outer_Other
G257	Curtain Walls	Curt_Wall
G2571	Curtain Wall Framing	Curt_Wall_Frame
G2572	Curtain Wall Cladding Panels	Curt_Wall_Panel
G2573	Curtain Wall Cladding Units	Curt_Wall_Unit
G2573	Curtain Wall Cladding Grid	Curt_Wall_Grids
G26	Frame isolated structural members	Struct_member
G261	Beams	Beam
G2611	Beams Insitu concrete	Beam_Insitu_concrete
G2612	Beams Precast concrete	Beam_Precast_concrete
G2613	Beams Steel	Beam_Steel
G2614	Beams Cast iron	Beam_Cast_iron
G262	Columns	Column
G2621	Columns Insitu concrete	Column_Insitu_concrete
G2622	Columns Precast concrete	Column_Precast_concrete
G2623	Columns Steel	Column_Steel
G2624	Columns Mass concrete	Column_Mass_concrete
G263	Bracing	Bracing
G2631	Bracing Insitu concrete	Bracing_Insitu_concrete
G2632	Bracing Precast concrete	Bracing_Precast_concrete
G2633	Bracing Steel	Bracing_Steel
G264	Piers and abutments	Pier_abutment
G265	Trestle	Trestle
G266	Bearings	Bearing
G2661	Bearings Fixed	Bearing_Fixed
G2662	Bearings Sliding bearing PTFE	Bearing_Sliding_bearing_PTFE
G2663	Bearings Roller	Bearing_Roller
G2664	Bearings Elastomeric	Bearing_Elastomeric
G3	Fabric parts of elements	Fabric
G31	Carcass structure fabric	Carcass_structure_fabric
G311	Core fabric	Core_fabric
G312	Coverings external finishes	Coverings_Ext_finish
G32	Openings	Opening
G321	Windows	Window
G3211	Windows External	Window_Ext
G3212	Windows Internal	Window_Int
G322	Doors	Door
G3221	Doors_External	Door_Ext
G3222	Doors_Internal	Door_Int
G323	Openings	Opening
G3231	Openings_Arches	Opening_Arch
G324	Combined Openings	Opening_Combined

G325	Rooflights	Rooflight
G33	Internal finishes	Int_Fin
G331	Internal finishes Floors	Int_Fin_Floor
G3311	Internal finishes Floors Direct	Int_Fin_Floor_Direct
G3312	Internal finishes Floors Raised	Int_Fin_Floor_Raised
G332	Internal finishes Ceilings Soffit	Ceiling
G3321	Internal finishes Ceilings Soffit Direct	Ceiling_Soffit_Direct
G3322	Internal finishes Ceilings Soffit Suspended	Ceiling_Soffit_Suspended
G333	Internal finishes Wall	Int_Fin_Wall
G334	Internal finishes Other	Int_Fin_Other
G34	Other parts of fabric elements	Fabric_Other
G4	Fittings furniture equipment FFE	FFE
G41	FFE Circulation	FFE_Circulation
G411	FFE Circulation Access	FFE_CA
G4111	FFE Circulation Access Depot and plant equipment access	FFE_CA_Depot_plant equip_access
G42	FFE Rest work	FFE_Rest_work
G43	FFE Culinary	FFE_Culinary
G44	FFE Sanitary hygiene	FFE_Sanitary
G45	FFE Cleaning maintenance CM	FFE_CM
G451	FFE Cleaning maintenance Depot cleaning and maintenance	FFE_CM__DCAM__
G4511	FFE Cleaning maintenance Depot cleaning and maintenance Cleaning equipment	FFE_CM__DCAM__Cleaning
G4512	FFE Cleaning maintenance Depot cleaning and maintenance Equipment maintenance	FFE_CM__DCAM__maintenance
G4513	FFE Cleaning maintenance Depot cleaning and maintenance De-icing	FFE_CM__DCAM__De-icing
G46	FFE Storage screening	FFE_Storage
G47	FFE Works or art and soft furnishings	FFE_WOAASF
G471	FFE Works or art and soft furnishings Works of art	FFE_Works_of_art
G472	FFE Works or art and soft furnishings Soft furnishings	FFE_Soft_furnishing
G48	FFE Special activity	FFE_SA
G49	FFE Other	FFE_Other
G491	FFE Other General equipment	FFE_Other_GEN_EQUIP
G4911	FFE Other General equipment Depot and plant	FFE_Other_GEN_EQUIP_Depot_plant
G492	FFE Other Monitoring equipment	FFE_Other_MON_EQUIP
G4921	FFE Other Monitoring equipment Track based	FFE_Other_MON_EQUIP_Track_based
G4922	FFE Other Monitoring equipment Test equipment	FFE_Other_MON_EQUIP_Test equip
G493	FFE Other Workshop equipment	FFE_Other_Workshop_equipment
G494	FFE Other Lifting equipment	FFE_Other_Lifting_equipment

G5	Services elements	Service_element
G50	Water supply	Water_supply
G501	Water supply Cold water	Water_supply_Cold
G502	Water supply Hot water	Water_supply_Hot
G503	Water supply Bore Hole	Water_supply_Bore_Hole
G504	Water supply Water Reclamation	Water_supply_Water_Reclamation
G51	Gas and liquid supply	Gas_liquid_supply
G511	Gas supply	Gas_supply
G5111	Gas supply Natural	Gas_supply_Natural
G5112	Gas supply Liquefied petroleum	Gas_supply_petrol
G5113	Gas supply Biogas	Gas_supply_Biogas
G5114	Gas supply Compressed air	Gas_supply_Compressed_air
G5115	Gas supply Medical	Gas_supply_Medical
G5116	Gas supply Laboratory	Gas_supply_Laboratory
G512	Liquid fuel supply	Liquid_fuel_supply
G5121	Liquid fuel supply Diesel	Liquid_fuel_supply_Diesel
G5122	Liquid fuel supply Petrol	Liquid_fuel_supply_Petrol
G5123	Liquid fuel supply Fuel oil	Liquid_fuel_supply_oil
G5124	Liquid fuel supply Biofuel	Liquid_fuel_supply_Biofuel
G513	Steam supply	Steam_supply
G5131	Steam and condensate	Steam_condensate
G52	Heating ventilation and air conditioning	HVAC
G521	Heating	Heating
G5211	Heating Low temperature hot water	Heating_Low_temp_HW
G5212	Heating Medium temperature hot water	Heating_Medium_temp_HW
G5213	Heating Steam	Heating_Steam
G522	Cooling	Cooling
G5221	Cooling Chilled water	Cooling_Chilled_water
G5222	Cooling Refrigerant	Cooling_Refrigerant
G523	Heating and cooling	HC
G5231	Heating and cooling Heat pump	HC_Heat_pump
G5232	Heating and cooling Variable refrigerant flow	HC_Variable_refrigerant_flow
G5233	Heating and cooling Underfloor heating and cooling	HC_Underfloor_HC
G5234	Heating and cooling Climatic ceiling and beam	HC_Climatic_ceiling_beam
G524	Air conditioning	AC
G5241	Air conditioning All air	AC_All_air
G5242	Air conditioning Fan coil unit	AC_Fan_coil_unit
G5243	Air conditioning Induction unit	AC_Induction_unit
G5245	Air conditioning Local	AC_Local
G5246	Air conditioning Air handling unit	AC_Air_handling_unit
G525	Ventilation	Ventilation
G5251	Ventilation Supply and extract	VSE
G52511	Ventilation Supply and extract Smoke and	VSE_Smoke_heat_control

	heat control	
G5252	Ventilation Extract	VE
G52521	Ventilation Extract Washroom	VE_Washroom
G52522	Ventilation Extract Kitchen	VE_Kitchen
G52523	Ventilation Extract Car parking	VE_Car_parking
G52524	Ventilation Extract Dust collection systems	VE_Dust_collection
G52525	Ventilation Extract Safety cabinet and fume cupboard extract systems	VE_Safety_cabinet_extract
G52526	Ventilation Extract Industrial fume extract systems	VE_Industrial_fume_extract
G52527	Ventilation Extract Tunnel ventilation	VE_Tunnel_ventilation
G5253	Ventilation Supply	Ventilation_Supply
G529	Heating ventilation and air conditioning For special activity	HVAC_FSA
G5291	Heating ventilation and air conditioning For special activity Cold room	HVAC_FSA_Cold_room
G5292	Heating ventilation and air conditioning For special activity Ice pad	HVAC_FSA_Ice_pad
G53	Electric power	EP
G531	Electric power supply	EPS
G5311	Electric power supply High voltage	EPS_High_voltage
G5312	Electric power supply Low voltage	EPS_Low_voltage
G5313	Electric power supply Generator	EPS_Generator
G5314	Electric power supply Wind power	EPS_Wind_power
G5315	Electric power supply Photovoltaic	EPS_Photovoltaic
G5316	Emergency power supply equipment	Emergency_power_supply equip
G53161	Emergency power supply equipment Local	Emergency_power_supply equip_Local
G53162	Emergency power supply equipment Central	Emergency_power_supply equip_Central
G532	Electric power Distribution	EP_Distribution
G5321	Electric power Distribution High voltage	EP_Distribution_High_voltage
G5322	Electric power Distribution Low voltage	EP_Distribution_Low_voltage
G5323	Electric power Distribution Small power	EP_Distribution_Small_power
G5324	Electric power Distribution Extra low voltage power	EP_Distribution_Extra_low_voltage_power
G5325	Electric power Distribution Direct Current power	EP_Distribution_Direct_Current_power
G5326	Electric power Distribution Uninterruptible power	EP_Distribution_Uninterruptible_power
G533	Electric power Monitoring and control	EP_MAC
G5331	Electric power Monitoring and control measuring	EP_MAC_measuring
G53311	Electric power Monitoring and control measuring Metering	EP_MAC_measuring_Metering
G5332	Electric power Monitoring and control measuring Control	EP_MAC_measuring_Control
G53321	Electric power Monitoring and control measuring Control Prevention	EP_MAC_measuring_Control_Prevention

G534	Electric power Monitoring and control Electrical terminals	EP_MAC_Elect_Terminal
G539	Electric power Monitoring and control For special activity	EP_MAC_FSA
G54	Electric power Lighting	EP_Light
G541	General lighting	Light
G5411	General lighting Internal	Light_Int
G5412	General lighting External	Light_Ext
G542	General lighting Emergency	Light_Emergency
G5421	General lighting Emergency Self contained	Light_Emergency_Self_contained
G5422	General lighting Emergency Central battery	Light_Emergency_Central_battery
G5423	General lighting Emergency Static inverter	Light_Emergency_Static_inverter
G543	General lighting Monitoring and control	Light_MAC
G549	General lighting For special activity	Light_FSA
G5491	General lighting For special activity Underwater lighting systems	Light_FSA_ULS
G55	Communications	COMM
G551	Communications Public address	PA
G5511	Communications Public address Voice	PA_Voice
G5512	Communications Public address Music	PA_Music
G552	Communications Visual display	VD
G5521	Communications Signs	Sign
G55211	Communications Signs Illuminated	COMM_Sign_Illuminated
G55212	Communications Signs Advertisement	COMM_Sign_Advertisement
G5522	Communications Visual display Signs Clocks	COMM_VD_Sign_Clock
G5523	Communications Visual display Public address	COMM_VD_Public_address
G5534	Communications Visual display Railway signals	COMM_VD_Railway_signals
G553	Communications Radio	COMM_Radio
G554	Communications Audio visual	AV
G5541	Communications Audio visual Television	COMM_AV_TV
G5542	Communications Audio visual Presentation and conferencing	COMM_AV_Presentation
G5543	Communications Audio visual Audio alert	COMM_AV_Audio_alert
G5544	Communications Audio visual Breakdown broadcast message system	COMM_AV_Message_system
G555	Communications Telecommunications	COMM_Tele
G5551	Communications Telecommunications Telephones	COMM_Tele_phone
G556	Communications Data networks	COMM_Data
G5561	Communications Data networks Computer network	COMM_Data_Computer
G5562	Communications Data networks SCADA systems	COMM_Data_SCADA_System
G5563	Communications Data networks Fibreoptic networks	COMM_Data_Fibreoptic

G557	Communications Data networks Transmitters and receivers	COMM_Data_Transmitter
G558	Communications Data networks Support communication systems	COMM_Data_Support
G559	Communications Data networks For special activity	COMM_Data_FSA
G5591	Communications Data networks For special activity Induction loop	COMM_Data_FSA_Induction_loop
G5592	Communications Data networks For special activity Infra-red	COMM_Data_FSA_Infra_red
G5593	Communications Data networks For special activity Sound field	COMM_Data_FSA_Sound_field
G56	Building transport systems	BTS
G561	Building transport systems Lifts hoists	Lift
G5611	Building transport systems Lifts hoists Personnel	Lift_Personnel
G5612	Building transport systems Lifts hoists Goods	Lift_Good
G562	Building transport systems Escalators and moving walkways	BTS_EMW
G5621	Building transport systems Escalators and moving walkways Escalators	Escalator
G5622	Building transport systems Escalators and moving walkways Travelators	Travelator
G563	Building transport systems Escalators and moving walkways Building transport systems Conveyors	Conveyor
G564	Building transport systems Escalators and moving walkways Travelling cradles	Travelling_cradle
G5641	Building transport systems Escalators and moving walkways Travelling cradles Gantries and ladders	Gantry_ladder
G5642	Building transport systems Escalators and moving walkways Travelling cradles Travelling ladders	Travelling_ladder
G569	Building transport systems For special activity	BTS_FSA
G5691	Building transport systems For special activity Fire escape chutes and slings	BTS_FSA_Fire_escape
G5692	Building transport systems For special activity Automatic goods storage and retrieval	BTS_FSA_Automatic_good
G57	Fire security and protection (FSP)	FSP
G571	Fire security and protection Security	FSP_Security
G5711	Fire security and protection Security Access control systems	FSP_Access
G5712	Fire security and protection Security Intruder detection and alarm systems	FSP_Intruder
G5713	Fire security and protection Security Closed circuit television systems	FSP_CCTV
G5714	Fire security and protection Security	FSP_Detection_arch_system

	Detection arch systems	
G5715	Fire security and protection Security Personal protection	FSP_Personal_protection
G572	Fire security and protection Fire	FSP_Fire
G5721	Fire security and protection Fire and smoke alarms	FSP_Fire_smoke_alarm
G5722	Fire security and protection Fire suppression	FSP_FS
G57221	Fire security and protection Fire suppression Fire hose	FSP_Fire_hose
G57222	Fire security and protection Fire suppression Fire hydrant	FSP_Fire_hydrant
G57223	Fire security and protection Fire suppression Dry riser	FSP_Dry_riser
G57224	Fire security and protection Fire suppression Wet riser	FSP_Wet_riser
G57225	Fire security and protection Fire suppression Sprinkler fire-extinguishing	FSP_Sprinkler
G57226	Fire security and protection Fire suppression Deluge fire-extinguishing	FSP_Deluge
G57227	Fire security and protection Fire suppression Water mist fire-extinguishing	FSP_Water
G57228	Fire security and protection Fire suppression Gaseous fire-extinguishing	FSP_Gas
G57229	Fire security and protection Fire suppression Foam fire fighting`	FSP_Foam
G5723	Fire security and protection Fire Smoke extraction control installations	FSP_Smoke_extract
G5724	Fire security and protection Fire Detection	FSP_Fire_Detection
G5725	Fire security and protection Fire Fire protection	FSP_Fire_protection
G573	Fire security and protection Other protection	FSP_Other_protection
G5731	Fire security and protection Other protection Lightning protection	FSP_Other_protection_Lightning
G5732	Fire security and protection Other protection Cathodic protection	FSP_Other_protection_Cathodic
G574	Fire security and protection Safety	FSP_Safety
G5741	Fire security and protection Safety Detection	FSP_Detection
G57411	Fire security and protection Safety Detection Gas detection	FSP_Detection_Gas
G57412	Fire security and protection Safety Detection Water leak detection	FSP_Detection_Water_leak
G5742	Fire security and protection Communications	FSP_COMM
G57421	Fire security and protection Communications Evacuation	Evacuation
G57422	Fire security and protection Communications Assistance call	Assistance_call

G57423	Fire security and protection Communications Incident call	Incident_call
G57424	Fire security and protection Communications Nurse call	Nurse_call
G575	Fire security and protection Alert system	FSP_Alert_system
G576	Fire security and protection Structural surface protection	FSP_Structural_surface_protection
G579	Fire security and protection For special activity	FSP_FSA
G58	Disposal systems	Disposal_System
G581	Drainage	Drainage
G5811	Drainage Foul Water	Drainage_FW
G58111	Drainage Foul Laboratory and industrial waste disposal systems	Drainage_FW_industrial_WDS
G58112	Drainage Foul Soakaways septic tanks and sewage treatment plant	Drainage_FW_plant
G58113	Drainage Foul Pumping stations and pressure pipelines	Drainage_FW_Pumping_station
G58114	Drainage Foul Sewage pumping	Drainage_FW_Sewage_pumping
G58115	Drainage Foul Sewage treatment and sterilisation systems	Drainage_FW_Sewage_treatment
G5812	Drainage Surface water	Drainage_SW
G58121	Drainage Surface water Ground water pressure relief drainage	Drainage_SW_GRD_pressure_relief
G58122	Drainage Surface water Rainwater drainage systems	Drainage_SW_Rainwater
G58123	Drainage Surface water Land drainage systems	Drainage_SW_Land
G58124	Drainage Surface water Sewage treatment systems	Drainage_SW_Sewage_treatment
G58125	Drainage Surface water Constructed wetlands	Drainage_SW_Constructed_wetland
G582	Refuse disposal	Refuse
G5821	Refuse disposal Centralised vacuum cleaning systems	Refuse_Centralised_vacuum_cleaning
G5822	Refuse disposal Refuse chutes	Refuse_chute
G5823	Refuse disposal Compactors macerators	Refuse_Compactor_macerator
G5824	Refuse disposal Incineration plant	Refuse_Incineration_plant
G589	Disposal systems For special activity	Disposal_System_FSA
G59	Services elements Other	Service_Other
G6	Services parts of elements	Service_part
G61	Source energy	Source_energy
G611	Heat output	Heat_output
G6111	Heat output Heat generation	Heat_Generator
G61111	Heat output Heat generation Gas and oil fired boilers	Boiler_Gas_oil
G61112	Heat output Heat generation Solid fuel boilers	Boiler_Solid_fuel
G61113	Heat output Heat generation Steam boilers	Boiler_Steam

G61114	Heat output Heat generation Solar panels	Solar_panel
G6112	Heat output Heat conversion	Heat_conversion
G61121	Heat output Heat conversion Calorifiers	Calorifier
G61122	Heat output Heat conversion Heat exchangers	Heat_exchanger
G612	Electricity output	EO
G6121	Electricity output Electricity generation	Electricity_generation
G61211	Electricity output Diesel generators	Diesel_generator
G61212	Electricity output Wind generators	Wind_generator
G61213	Electricity output Solar generators	Solar_generator
G6122	Electricity output Electricity conversion	Electricity_conversion
G61221	Electricity output Electricity conversion Transformers	Electricity_Transformer
G61222	Electricity output Electricity conversion Converters	Electricity_Converter
G613	Cooling output	Cooling_output
G6131	Cooling output Refrigeration plant	Refrigeration_plant
G6132	Cooling output Heat pumps	Heat_pump
G614	Cooling output Combined heat power cooling	Power_cooling
G6141	Cooling output Combined heat power cooling plant plant	Power_cooling_Plant
G62	Non-energy treatment storage	NEES
G621	Non-energy treatment storage Tanks	NEES_Tank
G6211	Non-energy treatment storage Tanks Water	NEES_Tank_Water
G6212	Non-energy treatment storage Tanks Gas	NEES_Tank_Gas
G6213	Non-energy treatment storage Tanks Fuel	NEES_Tanks_Fuel
G63	Distribution	Distribution
G631	Distribution Ductwork	Ductwork
G632	Distribution Pipework	Pipework
G6321	Distribution Pipework Water	Pipework_Water
G6322	Distribution Pipework Gas	Pipework_Gas
G6323	Distribution Pipework Fuel	Pipework_Fuel
G633	Distribution Cables and cable containment	CACC
G6331	Distribution Cables and cable containment Cables	Cable
G6332	Distribution Cables and cable containment Conduit	Conduit
G6333	Distribution Cables and cable containment Trunking	Trunking
G6334	Distribution Cables and cable containment Cable tray	Cable_tray
G634	Distribution Pumps	pump
G6341	Distribution Pumps Belt driven	pump_Belt_driven
G6342	Distribution Pumps Close coupled	pump_Close_coupled
G6343	Distribution Pumps Sump	pump_Sump
G6344	Distribution Pumps Manual	pump_Manual
G635	Distribution Fans	Fans

G6351	Distribution Fans Centrifugal	Fans_Centrifugal
G6352	Distribution Fans Axial	Fans_Axial
G6353	Distribution Fans Roof mounted	Fans_Roof_mounted
G6354	Distribution Fans Mixed flow	Fans_Mixed_flow
G64	Terminals	Terminal
G641	Terminals Heat emitters	Terminal_Heat_emitter
G6411	Terminals Heat emitters Radiators	Radiator
G6412	Terminals Heat emitters Fan convectors	Fan_Convector
G6413	Terminals Heat emitters Natural convectors	Natural_Convector
G6414	Terminals Heat emitters Radiant panels	Radiant_panel
G6415	Terminals Heat emitters Unit heaters	Unit_heater
G642	Terminals Supply and extract ventilation	Ventilation
G6421	Terminals Supply and extract ventilation Grilles	Ventilation_Grill
G6422	Terminals Supply and extract ventilation Diffusers	Ventilation_Diffuser
G6423	Terminals Supply and extract ventilation Louvres	Ventilation_Louvre
G643	Terminals Electrical	Terminal_Elect
G6431	Terminals Electrical Luminaires	Luminaire
G6432	Terminals Electrical Power outlets	Power_outlet
G6433	Terminals Electrical Switches	Elect_Switch
G65	Terminals Package units	Package_unit
G66	Terminals Monitoring and control	MAC
G661	Terminals Monitoring and control Control systems	Control_system
G662	Terminals Monitoring and control Monitoring systems	Monitoring_system
G6621	Terminals Monitoring and control Monitoring systems Measuring	Monitoring_system_Measuring
G663	Terminals Monitoring and control Building management systems	BMS
G69	Terminals Other parts of services elements	Terminal_Other
G7	External site works	Site
G71	External site works Surface treatment	Site_Surface_treatment
G711	External site works Surface treatment Hard surfaces	Site_Hard_surface
G712	External site works Surface treatment Landscaping	Site_Landscaping
G72	External site works Enclosure division	Site_Enclosure
G721	External site works Enclosure division External works Fencing and walling and hedges	Site_Fence
G722	External site works Enclosure division Retaining walls	Site_Retaining_Wall
G723	External site works Enclosure division Stone walls	Site_Stone_Wall
G7231	External site works Enclosure division Stone walls Dry stone walling	Site_Stone_Wall_Dry

G7232	External site works Enclosure division Stone walls Mortared stone walling	Site_Stone_Wall_Mortared
G73	External site works Special purpose works	Site_SPW
G731	External site works Special purpose works Water features pools	Site_Pool
G732	External site works Special purpose works Shelters and minor buildings	Site_minor_building
G733	External site works Special purpose works Bridges underpasses	Site_Bridge_underpass
G739	External site works Special purpose works Other	Site_SPW_Other
G74	External site works Fittings furniture equipment	Site_FFE
G75	External site works Mains supply	Site_Main_supply
G751	External site works Mains supply Water	Site_Main_Water
G752	External site works Mains supply Fire	Site_Main_Fire
G753	External site works Mains supply Hot water steam	Site_Main_Hot_water_steam
G754	External site works Mains supply Gas	Site_Main_Gas
G755	External site works Mains supply Electric	Site_Main_Electric
G756	External site works Mains supply Communications cable	Site_Main_COMM_cable
G76	External site works External distributed services	Site_External_dist_Service
G761	External site works External distributed services Lighting	Site_External_dist_Service_Lighting
G762	External site works External distributed services Other	Site_External_dist_Service_Other
G77	External site works Site underground drainage	Site_Drainage
G771	External site works Site underground drainage Foul water drainage	Site_FW_drainage
G772	External site works Site underground drainage Surface water drainage	Site_SW_drainage
G773	External site works Site underground drainage Combined water drainage	Site_Drainage_Combined
G8	Civil	Civil
G81	Roads	Road
G811	Roads Elements	Road_Element
G8111	Roads Elements Structural layers	Road_Structure
G8112	Roads Elements Surfacing	Road_Surfacing
G8113	Roads Elements Edgework	Road_Edgework
G812	Roads Features	Road_Feature
G8121	Roads Features Central reservations	Road_Central_reservation
G8122	Roads Features Islands	Road_Island
G8123	Roads Features Roundabouts	Road_Roundabout
G8124	Roads Features Traffic calming	Road_Traffic_calming
G8125	Roads Features Road markings	Road_marking
G813	Roads Pavements	Road_pavement

G8131	Roads Pavements Rigid	Road_pavement_Rigid
G8132	Roads Pavements Rigid composite	Road_pavement_Rigid_composite
G8133	Roads Pavements Flexible	Road_pavement_Flex
G8134	Roads Pavements Flexible composite	Road_pavement_Flex_composite
G814	Roads Footpaths	Road_Footpath
G82	Roads Tunnels shafts cuttings	Road_TSC
G821	Roads Tunnels shafts cuttings Structure formation	Road_TSC_SF
G8211	Roads Tunnels shafts cuttings Structure formation Shaft	Road_TSC_SF_Shaft
G8212	Roads Tunnels shafts cuttings Structure formation Tunnel	Road_TSC_SF_Tunnel
G8213	Roads Tunnels shafts cuttings Structure formation Gallery	Road_TSC_SF_Gallery

Field 2: Classification (Uniclass V 1.4 Table Z Computer Aided Design)

Table Z allows the classification of CAD specific data within the Uniclass Classification system.

Code	Description	CAD Alias (Field 4)
Z1	Title sheet	Title_sheet
Z11	Drawing frame	Drawing_Frame
Z111	Viewports	Viewport
Z12	Status stamps	Status_stamp
Z13	Revisions	Revision
Z131	Revision blocks and cells	Revision_block
Z132	Revision annotation	Revision_annotation
Z133	Revision clouds and notations	Revision_cloud
Z14	Hold clouds and notation	Hold_cloud
Z2	Textual Content	Textual_Context
Z21	Title Annotation	Title_annotation
Z22	Annotation	Annotation
Z221	General text	Text
Z2211	Tags	Tag
Z2212	Labels	Label
Z2213	References	Reference
Z222	General notes	Note
Z223	Keynoting	Keynote
Z224	Legends	Legend
Z225	Cross references	Cross_reference
Z226	Key plan	Key_plan
Z227	Bar scales	Barscale
Z228	North point	North_point
Z23	Dimensions	Dimension
Z24	Hatching	Hatch
Z241	Hatch boundaries	Hatch_boundary
Z242	Solid Fill	Solid_Fill
Z25	General masking	General_masking
Z251	Wipe Outs and Masks	Wipe_out
Z26	General redlining	General_redlining
Z3	Insertions	Insertion
Z31	External references	Xref
Z32	Blocks and cells	Block
Z33	Tables and schedules	Schedule
Z34	Images	Image
Z4	Setting out	Setting_out
Z41	Points	Point
Z42	Gridlines	Gridline
Z421	Structural grid	Structural_grid
Z422	Ceiling grid	Ceiling_grid

Z43	Centrelines	Centreline
Z44	Survey control points	Survey_control_point
Z441	OS trigonometrical station	OS_trig_station
Z442	Site survey control station	Survey_control_station
Z443	OS bench mark	OS_BM
Z444	Site bench mark	Site_BM
Z45	Alignments and super elevations	Alignment
Z451	Horizontal alignment	Horizontal_alignment
Z452	Vertical alignment	Vertical_alignment
Z453	Super elevation	Super_elevation
Z46	Zones and boundaries	Zone_boundary
Z461	Zones	Zone
Z462	Boundaries	Boundary
Z463	Parcels	Parcel
Z464	Lots	Lot
Z47	Topography	Topo
Z471	Contours	Contour
Z4711	Contours Major	Contour_Major
Z4712	Contour Minor	Contour_Minor
Z5	Drawing symbols	Dwg_symbol
Z51	Levels	Level
Z52	Markers	Marker
Z521	Section marks	Section_mark
Z522	Break marks	Break_mark
Z523	Span direction markers	Span_mark
Z524	Void and opening markers	Void
Z53	Detail call outs	Detail
Z54	Match lines	Match_line
Z55	Fall indicators	Fall_indicator
Z56	Joint lines	Joint_line
Z561	Construction joints	Construction_joint
Z562	Contraction joints	Contraction_joint
Z563	Expansion joints	Expansion_joint
Z6	Views	View
Z61	General sections	Section
Z62	General elevations	Elevation
Z63	General Details	Detail
Z64	General Plans	Plan
Z7	Presentation	Presentation
Z71	Vehicles	Vehicle
Z72	People	People
Z73	Trees and planting	Tree_planting
Z75	Area Fill	Area_fill
Z76	Pattern	Pattern
Z77	LINES	Line

Z771	Lines Fine	Line_Fine
Z772	Lines Thin	Line_Thin
Z773	Lines Light	Line_Light
Z774	Lines Medium	Line_Medium
Z775	Lines Heavy	Line_Heavy
Z776	Lines Wide	Line_Wide
Z777	Lines Extra Wide	Line_Extra_Wide
Z778	Lines XX Wide	Line_XX_Wide
Z779	Lines XXX Wide	Line_XXX_Wide
Z78	Concept Massing	Mass
Z8	Readme and non-plotting	Non_Plot
Z81	Construction lines	Con
Z82	Readme	Readme
Z83	External reference information	XREF_Info

Field 3: Presentation Codes

BS1192 allows for a definition of the graphics to be used to represent an object in either a single or two letter codes. Where graphic representations are to be kept simple then the single codes as defined within BS1192:2007 should be used.

Where there is a specific requirement for control of more complex graphics then the following 2 letter codes may be adopted. This allows for the separation of graphics forward, below and above the cut planes as well as for hidden objects within these views as defined within BS8541-2:2011.

Two Letter Presentation codes:-

Code	Description	Line Type
A_	Annotation (Tags, Arrows, etc.)	
D_	Dimensions	
H_	Hatch	
M_	Model related graphics	
M2	2D Model graphics	
M3	3D Model graphics	
MA	Model Analysis	
MC	Model Cut plane (Section / Details)	Thick Line
MG	Model Grids (Grids, Reference planes, Reference Lines	
MH	Hidden lines, Items Hidden beyond cutting plane (BS8541-2:2011 item 1.304)	Hidden line
MF	Model Forward. Items to be shown forward of the cut plane.	Fine Line
MN	Model Non visible elements , Behind / above cut plane (BS8541-2:2011 item 1.302)	Dashed dot dot line
MV	Model Visible items Behind / above the cut plane (BS8541-2:2011 item 1.301)	Dashed dot line
MR	Model Reflected Information (Ceilings, Ductwork etc...)	
P_	Plot /Page related graphics	
T_	Text	

For Single Character codes please refer to BS1192:2007 Table 15.

Field 4: Alias Codes

Alias Codes have been defined and included within the Field 2 Uniclass Classifications tables for F, G and Z. An Alias Code should be consistent with the classification used.

Layer Description Fields.

Most CAD Software includes the capabilities for Layers to also include a description property as well as the name. The Descriptions provided with Field 2 should be used as the layer description to aid recognition. Layers can then be viewed and filtered by description as well as Layer name

Uniclass Codes by Alphabetical Index

Table F - Spaces Alphabetical Index

Activity space	F41	Activity_space
Air locks	F351	Air_lock
Alcoves, niches	F44	Alcove_niche
Atria	F317	Atria
Basement	F132	Basement
Basement areas	F62	Basement_area
Bays	F122	Space_Bay
Building space analysed	F9	Area
Building space analysed according to ISO 9836:1992	F91	Area_ISO_9836
Building space analysed according to RICS and ISVA Code of measuring practice	F92	Space
Building spaces by degree and type of enclosure	F7	Space_Building_Enclosure
Building sub-spaces	F4	Building_sub-space
Central halls, lobbies	F321	Lobby
Circulation area	F912	Area_Circulation
Circulation spaces	F3	Space_Circulation
Cloisters	F338	Cloister
Compound spaces of buildings	F1	Space
Core	F123	Space_Core
Corridors	F327	Corridor
Courtyards, forecourts	F61	Courtyard_forecourt
Covered ways	F337	Covered_way
Covered, not enclosed space	F74	Space_Covered_not_enclosed
Crawlways	F344	Crawlway
Danger area	F85	Space_Danger
Dry areas	F63	Dry_area
Eleventh floor	F13611	Eleventh_floor
Entrance halls, foyers	F314	Entrance_hall
External balconies	F332	External_balcony
External spaces of buildings	F6	Space_External
Fire compartments	F81	Fire_compartment
First floor	F13601	First_floor
First floor and above, but below highest floor	F136	Upper_Floors
Free space	F71	Space_Free
Fully enclosed space	F75	Space_Fully_enclosed
Gangways	F334	Gangway
Gross area	F919	Area_Gross
Ground floor	F134	Ground_floor
Highest floor	F137	Highest_floor
Horizontally divided parts of buildings, storeys	F13	Space_Horizontal
Incidental space, voids	F45	Space_void
Internal balconies, galleries	F331	Internal_balcony
Internal spaces of buildings	F5	Space_Internal

Light wells	F64	Light_well
Mezzanine floor	F135	Mezzanine_floor
Miscellaneous spaces, other spaces	F8	Space_Misc
Net Internal Area	F921	Area_Net_Internal
Ninety-ninth floor	F13699	Ninety-ninth_floor
Not covered, enclosed space	F73	Space_Not_covered_enclosed
Occupied space	F43	Occupied_space
Open space	F72	Space_Open
Other circulation spaces	F399	Space_Other_circulation
Other compound spaces, zones	F19	Space_compound_zone
Other spaces	F89	Space_Other
Partly covered	F731	Space_Partly_covered
Passages, alleys	F341	Passage_alley
Porches	F311	Porche
Private space	F83	Space_Private
Protected space	F82	Space_Protected
Public space	F84	Space_Public
Rooms	F2	Room
Second floor	F13602	Second_floor
Semi-basement	F133	Semi-basement
Semi-independent parts of a building, blocks	F11	Space_Block
Services area	F913	Area_Service
Space beneath a sloping roof, attic	F138	Space_attic
Space on top of a flat roof	F139	Space_flat_roof
Spaces	F	Space
Stairs, lift shafts, escalators	F324	Vertical_Circulation
Structural element area	F914	Area_Structural_element
Sub-basement	F131	Sub-basement
Tenth floor	F13610	Tenth_floor
Terraces	F65	Terrace
Third floor	F13603	Third_floor
Usable area	F911	Area_Usable
User functional departments	F191	Department
Verandahs	F651	Verandah
Vertically divided parts of buildings	F12	Space_Vertical
Wings	F121	Space_Wing
Working space	F42	Working_space

Table G - Elements for Building and Civil Alphabetical Index

Air conditioning	G524	AC
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Conveyors

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