UNSW CAD Standards

Version 2.0

Prepared by Asset Management

28/07/2025

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1. Introduction

These standards describe the requirements of the University of New South Wales (UNSW) for the submission of drawings and documentation prepared by consultants and contractors.

The standards should be read in conjunction with the UNSW consultant agreement or building contract (as applicable).

2. General

2.1. Purpose:

The University of New South Wales (UNSW) and Estate Management (EM) requires all consultants and contractors engaged in any of its building projects to provide UNSW with copies of their CAD drawing files and models. The files record the work undertaken and are also used for its maintenance programs, refurbishment work and for space planning purposes.

These standards ensure:
- consistency through all CAD drawings submitted by drafting personnel to UNSW;
- appropriate controls are exercised over all electronic files;
- continuity and knowledge transfer.

2.2. Scope

The standards apply to drawings associated with:
- contract documentation,
- measured drawings,
- sketch designs,
- development applications,
- building applications,
- working drawings,
- tender documentation,
- detail and services drawings,
- as-built or as-installed documentation.

2.3. UNSW CAD Model

The UNSW nominated CAD software is AutoCAD 2020 with AutoCAD 2020 formatted files (*.dwg), drawn at 1 unit to 1 millimetres (real world size).
UNSW is also compiling a set of building models in Revit 2021 format(*.ict), subject to specification on contract and on the Bim coordination plan.

2.4. File and Drawing Control - For Construction

All consultants must submit a completed sample AutoCAD drawing to establish file set-up and drawing compatibility with these standards prior to the starting any work.
Consultants must also supply a sample BIM model of a portion of the build. This is to guarantee model structuring and that all required room data fields are properly included.
During the final documentation for tendering, Consultants are required to submit their drawings at set stages of completion specified on contract. The 100% complete set of CAD drawing files shall also be submitted for review and approval after their completion.
This must include:
• AutoCAD (.DWG) test sample drawing;
• the BIM Model of the project;
• the DA, Construction Certificate and the Tender Set;
• the CAD drawing register and CAD drawing files.

The consultant must submit a complete set of updated CAD files in accordance with the terms of the tender following practical completion of the project.

The updated set must contain all changes made during the project including any variations to any design or specification within these CAD files.

Final approval of the design will only be made upon the signoff by the CAD Manager and Project Manager based on the DWG pack.

2.5. File and Drawing Control - "As built"

All builders and contractors must supply "As Built" drawings in accordance with the terms of contract and the specifications for the works. The drawings are a complete record of all work as constructed and installed. This must include all services installed by the builder/contractor and their interface with any existing services.

Contractors/builders cannot rely on the dimensions provided on drawings at the time of tender. All measurements must be confirmed on site.

All files submitted must follow the labelling described in this standard.

The procedure for the submission of all "as built" drawings follows:

1. Main consultant/builder responsible for the documentation sends draft copies of the "as built" drawings to the Project Manager for forwarding to the relevant consultants.

2. Consultants review the draft "as built" drawings for accuracy, completeness and compliance with the UNSW CAD Standards.

3. Project Manager returns the draft "as built" drawings to main consultant/builder with comments for any further revision and/or adjustment which may be required.

4. The final drafts are submitted to the Project Manager for final approval by the relevant Consultant.

5. The Builder/Contractor/Consultant certifies in writing that the "as built" drawings are both accurate, complete and fully comply with the UNSW CAD Standards.

6. Project Manager submits the "as built" drawings to the UNSW CAD Team for review. No drawings will be submitted unless the written certification by the relevant consultant has first been obtained and is attached.

7. If the UNSW CAD Team requires any modifications, those shall be conveyed to the Builder/Contractor/Consultant by the Project Manager.

8. Once the UNSW CAD Team has approved the "as built" drawings they shall notify the Project Manager. The Project Manager will advise the Builder/Contractor that the drawings have been approved and accepted.

2.6. CAD File Naming Convention

All CAD Drawings files shall be clearly labelled as follows:

- Building code; (Between 2 and 5 digits)
- Level; (2 digits)
- Professional discipline; (1 Digit)
- Drawing type; (1 Digit)
- Version number (2 digits)

This is expanded on appendix 2.

BIM models shall follow the same convention, except for whole building models that shall be named as follows:

- Building code;
- Professional discipline;
- Version Number.

Within the models there should be individual views outlining the drawing types by floor (e.g.: L02-RCP).

2.7. Drawing Information

As part of the pack prepared by consultants and contractors a room registry with data related to the type, function, capacity and users of each room shall be provided.
This document shall follow the examples and guidelines provided.

2.8. Quality Assurance

It is the responsibility of all Consultants, Builders and Contractors to strictly maintain the layering structure and data held within the layers as set out in these Standards. The CAD file provided has all the layers, standards and title blocks to be used.

UNSW CAD Team should be contacted immediately if any doubt exists or arise regarding either the preparation or submission of drawings in accordance with these Standards.

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3. CAD Drawing Guidelines

All plans, sections and elevations must be drawn at 1 AutoCAD unit to 1mm scale with the complete extent of each consultant's work within it.

Cad Files shall only hold one floor plan, section or elevation per file. The same layers are to be used across all plans with no unique layers created for a specific plan or drawing.

Text, dimensions, drawing references, symbols hatching and borders are to be held on their own layers. No general layers for all information of one category will be accepted. E.g.: all concrete hatching for columns should be placed under column concrete hatching, as opposed to column.

3.1. Co-ordinate Plan Drawing File

The base co-ordinate plan shall be issued by the main consultant upon the beginning of each project to guarantee alignment of the drawings with the existing campus model and alignment between all consultants working on the project in relation to the building set-out

This plan shall have:

- The surveyed site boundary;
- Building set-out reference point;
- Building Grid;
- Site grid reference to the NSW Integrated Survey Grid;
- Building outline at each floor level;
- Building heights are to be reduced to the Australian Standard Datum.

This file is to be used as the base to locate all contract documents and contractor/subcontractors as-builts and shall be used as an 'x-reference' file through AutoCAD. The drawing name for this main file shall be as outlined on appendix 2.

The CAD files must be geometrically coordinated in both the X and Y axis with all Z heights set to zero.

3.2. Standard Drawing Status

All Drawings supplied should be in one of the following status:

- Sketch;
- Preliminary;
- Tender Only;
- Contract;
- Issued for Construction;
- As built.

For larger developments (e.g.: whole buildings) where the design stages are more complex, throughout the design stage the drawings shall be under 'Preliminary' denoting the percentage of completion.

3.3. Drawing Layering System

The layering system has an explicit, concise naming structure that allows any object and drawing entity to be clearly identified and turned off in AutoCAD without impacting other, not related objects.

The approved layers are outlined on the standard **CAD file that is to be read in conjunction with this portion of the standard**. The layers are outlined on the appendix 4 of this standard.

Each consultant will be responsible for the consistent use of the layers and the attached drawing entities. Only data relevant to that layer name shall be on that layer. **Files with mixed data will not be accepted.**

All properties of objects and all drawing entities shall be define **"BYLAYER"**. In AutoCAD, colours, lineweight and linetypes are to be define **"BYLAYER"**. **Files with object orientated definitions or mixed will not be accepted.**

No objects or drawing references are to be placed on Layer '0' apart from internal block objects. This layer is to be maintained free otherwise.

No objects or drawing references are to be placed on Layer 'Defpoints'. This layer can only be used for paperspace viewports.

If any layers need to be created the UNSW CAD Team needs to be consulted and approve.

Plot styles for the standard layers will be supplied with the standard file and are described below:

CAD CTB Plot Information			Lineweights	
Colour Number	Colour name	Plot Colour	UNSW_A1_STD	UNSW_A3_STD
1	Red	Black	0.18	0.05
2	Yellow	Black	0.25	0.13
3	Green	Black	0.35	0.15
4	Cyan	Black	0.5	0.25
5	Blue	Black	0.5	0.25
6	Magenta	Black	0.7	0.35
7	White	Black	1	0.5
8	Grey (dark)	Use Object Colour	0.25	0.13
9	Grey(Light)	Black	0.13	0.05
250	Grey	Use Object Colour	0.25	0.13
251	Grey	Use Object Colour	0.25	0.13
253	Grey	Use Object Colour	0.25	0.13
254	Grey	Use Object Colour	0.25	0.13
255	White	Use Object Colour	0.25	0.13

Any colour ending in zero (e.g.: 10, 20, 30, 40) is set to **Use Object Colour** and shall be used only when printing is required. If these are required, specific layers for colour printing should also be agreed with the UNSW CAD Team.

3.4. Linetypes

All linetypes are to be metric where 1 unit = 1mm and conform to AS1100 section 3. Object linetypes are to be set "ByLayer" and using acadiso.lin.

No linetypes that have not been approved by the UNSW CAD Team or are part of the CAD Standards can be used. Only linetypes that are standard to AutoCAD will be considered.

3.5. Annotation

All annotation such as text, registers and symbols must be allocated on their own specific layers (e.g.: DUCT-**TXT**). Each type of annotation should have their own clearly defined layer.

The accompanying .dwt file has specific text and dimension styles that must be followed.

All text should be on Arial font.

Only abbreviations should be upper case (e.g.: HVAC, MEP).

Drawing titles should be capitalized (e.g.: Ground Floor Layout Plan).

All other text should be written in either capitalized words (e.g.: Main Duct) or natural text (e.g.: main duct).

3.6. Drawing Dimensions

All drawing dimensions are to be associative and not exploded.

Dimensions must be prepared on specific layers according to the scale size to be plotted. These layers must be prefixed 'DIM' and followed by the number which reflects the paper scale for which the dimension will be used (e.g.: DIM-10, DIM-25, DIM-50).

3.7. Symbols

All symbols are to be external blocks with the internal objects drawn on Layer 0.

A legend of symbols must be provided with all symbols within the drawing.

3.8. Hatching

All hatching must be on a specific layer and not on a common hatch layer. This will allow hatching for specific objects to be isolated.

3.9. Scales

All viewports created in Paperspace must be scaled to one of the approved scales shown below:

Details	Individual rooms	Floors/Sections/Facades	Mapping/Site
1:1	1:10	1:100	1:1000
1:2	1:20	1:200	1:2000
1:5	1:25	1:250	1:5000
	1:50	1:500	1:10000

3.10. Paperspace Layouts

Each file will have **only one** paperspace layout per file unless a plan is divided into sections.

3.11. File Attachments

No .dwg files will have raster files or any other type of files attached to it apart from other .dwg files.

3.12. Building/Floor/Room Numbering

All room numbering should be prepared using the latest version of the UNSW Room numbering Standard.

The Building, Floor and Room numbering must be approved by UNSW CAD Team before the files are issued for construction. This consultation should take place between 75% and 100% preliminary design.

3.13. File Translation

All CAD drawing produced must be translated into AutoCAD .dwg format and sent to the UNSW CAD Team ate the completion stage of all stages of project.

The contractor is responsible for the correctness, accuracy and compliance with UNSW CAD Standards. CAD files that do not follow the standard will not be accepted.

3.14. Blocks and Wblocks

All blocks and wblocks are to be named in an intelligent and structured way that can be understood.

All blocks base objects must be on Layer 0 and all objects set to 'By Layer'. That allows the individual block entities to take the properties of the layer that block is attributed too.

All blocks must have only the objects that relate to the block within it. No additional or mixed elements will be accepted within a block (e.g.: a block for doors that includes walls).

Blocks must have a common insertion point on the drawings. That must be either connected to the set-out plan or to a common insertion point in smaller refurbs that relates to the rooms being refurbished.

3.15. Symbols

A legend of all symbols is to be provided with the main CAD file. If the legend cannot be placed, a supporting file with all symbolic information must be provided.

3.16. Polylining Requirements

Contractors are required to produce polylines defining each of the rooms within a floor. That is applied to floorplans only.

These are to be developed on the University CAD Model on specific layers, as follows:

Requirement	Layer Name	Layer Colour
One closed polyline drawn on the external walls of the building, following its shape. This will determine the floors Gross Building Area (GBA).	GROS	Magenta (6)
One closed polyline drawn on the inside of the external walls of the building, following its shape. This will determine the floors Gross Floor Area (GFA).	GROS	Magenta (6)
Closed polylines for each internal room.	RM	Cyan (4)

All polylines must be continuous and closed.

These layers are part of the '.dwt' CAD template provided in conjunction with the standards.

Appendix 03 goes into more detail as to how the polylines must be prepared.

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4. Electronic Data Transfer

4.1. File format

All Drawing files must be in digital format. UNSW nominated CAD software is AutoCAD 2021 for .dwg files and Revit 2021 for all .ict files.

All CAD files must be supplied in AutoCAD (.dwg) and all BIM models in Revit (.rvt) format unless otherwise approved.

4.2. File Transfer

Assisted transfer tools (such as WeTransfer) may be used for the transmittal of documentation. In those cases confirmation that the files have been received is required.

Centralized platforms for file and workflow management (such as Aconex and Autodesk Construction Cloud) can be used for file transfer upon the creation of clearly identified directories for each of the stages related to the project where the files should stay. Access must be prepared for the UNSW CAD Team to both view and download the files for at least 5 years after the completion of the project when using this type of platform.

Transmittal via email will also be accepted. All files must be sent in one set in WinZip or RAR format if that is the chosen transfer method.

Receipt of files does not mean that they have been accepted. Confirmation or amendment request will be provided by the UNSW CAD team.

Appendix 1: Computing Terms

Glossary of terms used on this document are as follows:

CAD	Computer-Aided Design
CAD Drawing File	File specifically related to a CAD software (AutoCAD, Revit, Vectorworks etc.)
Annotation	Text, dimensions, arrows, symbols, hatching, and any other drawing specific symbology created to convey specific meaning.
Block	A grouping of drawing objects that can be created and manipulated to as a single object.
Layer	A logical grouping of object groups assisting int the organization of data within a specific design document.
Paperspace	Specific to CAD software, used to generate sheet layouts used originally for printin/plotting of designs.
Wblock	An external drawing created from a set of entities that can be inserted and manipulated into the current drawing.
Viewport	Viewing window that allows inputing multiple different windows within one unique Paperspace.
X-Reference	Specific to AutoCAD this allows an external drawing or set of references to be attached to a drawing and used as a base.

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Appendix 2: CAD Drawing File Name Codes

Level   Drawing Type

C27 02 A B 12

Building Code   Discipline Code   Revision #
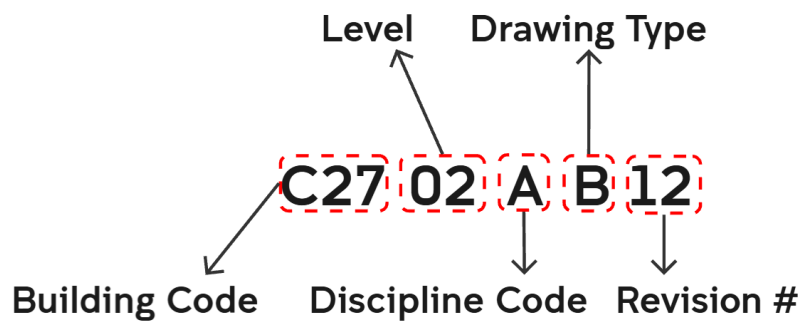
Building Codes will be supplied by UNSW EM.

Building Levels should follow the UNSW Room Numbering Standard

Discipline code and Drawing Type must follow the tables below.

Project Number will be supplied by UNSW EM.

Revision for document control.

Discipline Code	
Letter	**Meaning**
A	Architectural
I	Interior Design
L	Landscape
S	Structural
M	Mechanical
E	Electrical
H	Hydraulic
R	Furniture
C	Civil Engineering and site work
T	Lift
U	Security
F	Fire (including compartmentation)
V	Audio Visual
K	Acoustic
P	Polylines and Facility Drawings
D	Data
O	Operations and Maintenance

Drawing Type	
Letter	**Meaning**
A	Arrangements
B	Layouts
C	Schedules
D	Details
E	Elevations
G	Diagrams and Schematics
K	Sketches
L	Legend
P	Plans
S	Sections
M	Manual

Appendix 3: Polyline Requirements

Polylines need to be created to determine the limit of each room and floor. These are used to interface with the space and facilities management system and need to be precise as they assist with calculations to determine the Gross Building Area (GBA), Gross Floor Area (GFA), Usable Floor Area (UFA) and Non-Usable Floor Area (NUFA) and various other metrics.

For whole floor areas and spaces, we need two polylines to be drawn. One on the exterior side of the external walls (dotted line) and one on the internal side of the exterior walls (solid line) and columns, as seen below:
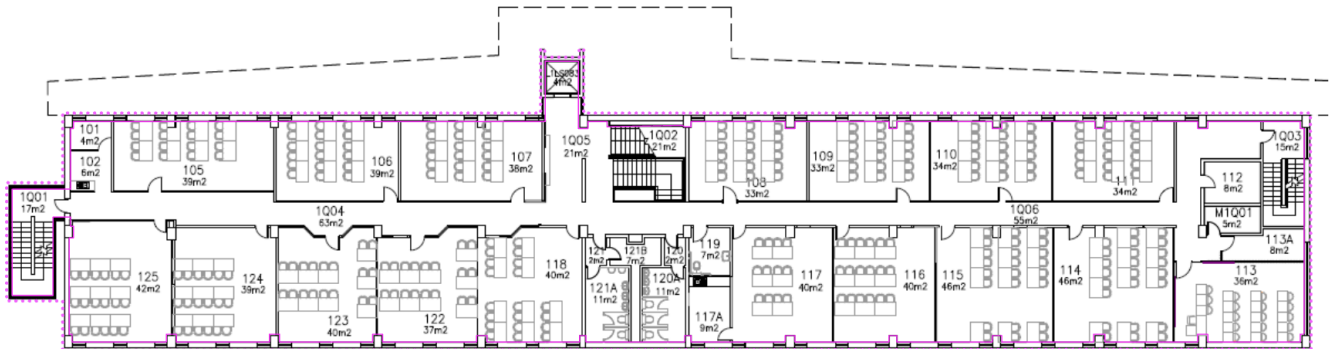
These need to be on the layer **GROS**, following the .dwg provided. All polyline attributes must be 'By layer'.

For all internal rooms polylines must be drawn following the internal limits of each room, as seen below:
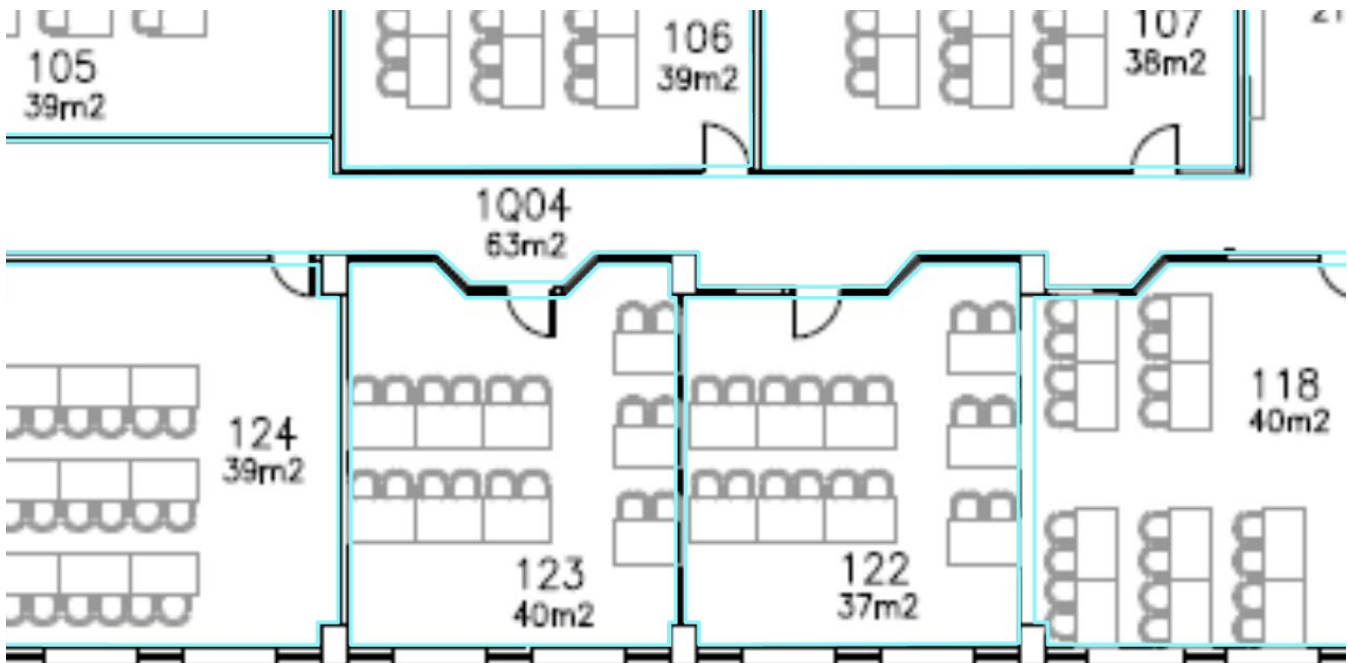
These must be drawn on layer **RM** and have all attributes 'By Layer'. This should determine the limits of all individual spaces within a floor.

Appendix 4: Approved Layers

Below is a list of the approved layers. These can also be found in the CAD file. If new layers need to be generated the CAD Team must be consulted via the Project Manager.

#	Layer Name	Colour name	Colour Number	Linetype	Lineweight	Description
						Layer Information
	Layer Name	Colour name	Colour Number	Linetype	Lineweight	Description
1	0	White	7	Continuous	Default	Not to be used
2	AV-CAB	Yellow	2	Continuous	Default	Audiovisual system cables
3	AV-FITEQ	Yellow	2	Continuous	Default	Audiovisual system fittings and equipment
4	BEAM-CNC	Yellow	2	Continuous	Default	Beam central line
5	BEAM-CNC	Blue	5	Continuous	Default	Beam concrete outline
6	BEAM-GEN	Blue	5	Continuous	Default	Beams generic
7	BEAM-STCNC	Blue	5	Continuous	Default	Beam structural steel concrete encased
8	BEAM-STNEW	Yellow	2	Continuous	Default	Beam structural steel not encased
9	BEAM-TXT	Yellow	2	Continuous	Default	Beam text
10	BLDG-EXTG	Yellow	2	Continuous	Default	Building existing
11	CAB-CMP	Yellow	2	Continuous	Default	Computing cables
12	CAB-OTH	Yellow	2	Continuous	Default	Cable other
13	CAB-RUN	Yellow	2	Continuous	Default	Cable main runs
14	CAB-SEC	Grey	8	Continuous	Default	Security system and cabling
15	CAB-TEL	Grey	8	Continuous	Default	Telephone and cabling
16	CAL-TRAY	Yellow	2	Continuous	Default	Cable trays
17	CAB-TXT	Yellow	2	Continuous	Default	Cable text
18	CAB-VIS	Grey	8	Continuous	Default	Audio visual system cabling
19	CMP-ETCCAB	Grey	8	Continuous	Default	Ethernet cabling
20	CMPFITEQ	Yellow	2	Continuous	Default	Computing fittings and equipment
21	COL-CNCR	Blue	5	Continuous	Default	Column reinforced concrete
22	COL-GEN	Blue	5	Continuous	Default	Column generic
23	COL-STCNC	Blue	5	Continuous	Default	Column structural steel concrete encased
24	COL-STELL	Blue	5	Continuous	Default	Column steel
25	COL-STNEW	Yellow	2	Continuous	Default	Column structural steel not encased
26	COL-TIMB	Yellow	2	Continuous	Default	Column timber
27	COM-EVC	Grey	2	Continuous	Default	Evacuation system
28	COM-GEN	Grey	2	Continuous	Default	General communications layout
29	COM-TXY	Grey	2	Continuous	Default	Communications text
30	DATA-OUT	Green	3	Continuous	Default	Data outlet
31	DATA-TXT	Yellow	2	Continuous	Default	Data text
32	DEFPOINTS	Yellow	2	Continuous	Default	Not to be used
33	DEM-TXT	Red	1	Continuous	Default	Demolition text
34	DEMWK_hi	Red	1	Dashed	Default	Demolition works
35	DIM	Red	1	Continuous	Default	Dimensions
36	DOOR-GEN	Yellow	2	Continuous	Default	Doors
37	DOOR_hi	Yellow	2	Dashed	Default	Doors hidden line
38	DRA-GEN_hi	Green	3	Hidden2	Default	Drainage general
39	DUCT-CSMN	Yellow	2	Continuous	Default	Cooling main supply air ductwork
40	DUCT-HSMN	Yellow	2	Continuous	Default	Heating main supply air ductwork

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	Layer Information					
#	Layer Name	Colour name	Colour Number	Linetype	Lineweight	Description
41	DUCT-OTH	Yellow	2	Continuous	Default	Duct other work
42	DUCT-RET	Yellow	2	Continuous	Default	Return air (a/c) ductwork
43	DUCT-RREG	Yellow	2	Continuous	Default	Return air (a/c) ductwork register
44	DUCT-SREG	Yellow	2	Continuous	Default	Supply air (a/c) ductwork
45	DUCT-SUP	Yellow	2	Continuous	Default	Supply air (a/c) ductwork register
46	DUCT-SVEN	Yellow	2	Continuous	Default	Duct text
47	DUCT-SVREG	Yellow	2	Continuous	Default	Exaust air ductwork ventilation
48	DUCT-TXT	Yellow	2	Continuous	Default	Exaust air ductwork ventilation register
49	DUCT-VEXH	Yellow	2	Continuous	Default	Exaust air ductwork ventilation
50	DUCT-VEXREG	Yellow	2	Continuous	Default	Exaust air ductwork ventilation register
51	EMPTY	Grey	8	Continuous	Dashed	Empty
52	EV-CAB	Yellow	2	Continuous	Default	Evacuation system cables
53	EV-FTEQ	Yellow	2	Continuous	Default	Evacuation system fittings and equipment
54	FIRE-CNTB	Yellow	2	Continuous	Default	Fire control board
55	FIRE-EXIT	Yellow	2	Continuous	Default	Fire exits and board
56	FIRE-FITEQ	Yellow	2	Continuous	Default	fire fittings and equipment
57	FIRE-HREEL	Yellow	2	Continuous	Default	Hose reel pipework and points
58	FIRE-HYD	Yellow	2	Continuous	Default	Hydrant pipework and hydrant points
59	FIRE-OTH	Yellow	2	Continuous	Default	Fire others
60	FIRE-SMK	Yellow	2	Continuous	Default	Smoke detectors and cabling
61	FIRE-SPRK	Yellow	2	Continuous	Default	Sprinkler pipewoek and hydrant points
62	FIRE-THCAB	Yellow	2	Continuous	Default	Thermal cabling and detectors
63	FIRE-THER	Yellow	2	Continuous	Default	Thermal detection system
64	FIRE-TXT	Yellow	2	Continuous	Default	Fire text
65	FLOOR-FINEDG	Light-Grey	253	Continuous	Default	Floor finish edge
66	FOOT-GEN	Green	3	Continuous	Default	Footings general
67	FOOT-TXT	Yellow	2	Continuous	Default	Footings text
68	FURN	Grey	8	Continuous	Default	Furniture general
69	FURN-BLTIN	Grey	8	Continuous	Default	Furniture built-in
70	FURN-LOOSE	Grey	8	Continuous	Default	Furniture loose
71	GRID-BLDG	Grey	8	Continuous	Default	Building grid
72	GRID-TXT	Grey	8	Continuous	Default	Grid text
73	GROS	Purple	6	Continuous	Default	Archibus external outline (GFA/GBA)
74	GROS$	Red	1	Continuous	Default	Archibus External Outline assigned (GFA/GBA)
75	GROS$TXT	Red	1	Continuous	Default	Archibus external outline text
76	HANDRAIL	Grey	8	Continuous	Default	Handrails and balustrades
77	HYD-EQ	Yellow	2	Continuous	Default	Hydraulic equipment
78	HYD-GEN	Yellow	2	Continuous	Default	Not to be used
79	HYD-TXT	Yellow	2	Continuous	Default	Hydraulics text
80	JNRY-GEN	Grey	8	Continuous	Default	Joinery
81	JNRY_hi	Grey	8	Dashed	Default	Joinery above/below
82	LIFT-GEN	Yellow	2	Continuous	Default	Lift general
83	LIFT_hi	Grey	8	Dashed	Default	Lift Void
84	LIGHT-CAB	Yellow	2	Continuous	Default	Lighting cables

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			Layer Information			
#	Layer Name	Colour name	Colour Number	Linetype	Lineweight	Description
85	LIGHT-EMCAB	Yellow	2	Continuous	Default	Emergency lighting cables
86	LIGHT-EMFEQ	Yellow	2	Continuous	Default	Lighting fittings and equipment
87	LIGHT-FITEQ	Yellow	2	Continuous	Default	Emergency lighting cables fittings and equipment
88	LIGHT-TXT	Yellow	2	Continuous	Default	Lighting text
89	MECH-ELEC	Yellow	2	Continuous	Default	Mechanical - Refer to electrical
90	MECH-EQGEN	Yellow	2	Continuous	Default	Mechanical equipment general
91	MECH-OTH	Yellow	2	Continuous	Default	Mechanical other
92	MECH-TXT	Yellow	2	Continuous	Default	Mechanical text
93	PAN-TNF	Yellow	2	Continuous	Default	Panel timber non-fire rated
94	PART-GLNF	Yellow	2	Continuous	Default	Partition: Glass non-fire rated
95	PART-OFR	Yellow	2	Continuous	Default	Partition: Other fire rated
96	PART-ONF	Yellow	2	Continuous	Default	Partition: Other non-fire rated
97	PART-PBFR	Yellow	2	Continuous	Default	Partition: Plasterboard fire rated
98	PART-PBNF	Yellow	2	Continuous	Default	Partition: Plasterboard non-fire rated
99	PEN-LOC	Blue	5	Continuous	Default	Penetration Locations
100	PH-CAB	Yellow	2	Continuous	Default	Phone cables
101	PH-FITEQ	Yellow	2	Continuous	Default	Phones fittings and equipment
102	POW-CAB	Yellow	2	Continuous	Default	Power cables
103	POW-DSTB	Yellow	2	Continuous	Default	Power distribution board
104	POW-ESSN	Yellow	2	Continuous	Default	Cable essetial services power
105	POW-FITEQ	Yellow	2	Continuous	Default	Power fittins and equipment
106	POW-OTH	Yellow	2	Continuous	Default	Power other
107	POW-TXT	Yellow	2	Continuous	Default	Power text
108	PPBORD-SHT	Yellow	2	Continuous	Default	Paperspace titleblock layer
109	PPLINE	Yellow	2	Continuous	Default	Paperspace line
110	PPLINE_hi	Yellow	2	Dashed	Default	Paperspace hidden line
111	PPLINE_ph	Yellow	2	Phantom	Default	Paperspace phantom line
112	PSSYM	Yellow	2	Continuous	Default	Paperspace symbols
113	PPTXT	Yellow	2	Continuous	Default	Paperspace text
114	PPUNSW_LOGO	Yellow	2	Continuous	Default	Paperspace UNSW Logo
115	PPVIEWPORT	Yellow	2	Continuous	Default	Paperspace viewport
116	RAMP-GEN	Yellow	2	Continuous	Default	Ramp
117	RC-FRS	Yellow	2	Continuous	Default	Reflected ceiling fire services
118	RC-GRID	Yellow	2	Continuous	Default	Reflected ceiling grid
119	RC-LGT	Grey	8	Continuous	Default	Reflected ceiling lighting
120	RC-MECH	Grey	8	Continuous	Default	reflected ceiling mechanical
121	RC-TXT	Yellow	2	Continuous	Default	Reflected ceiling text
122	RM	Cian	4	Continuous	Default	Archibus room polyline
123	RM$	Blue	5	Continuous	Default	Archibus room polyline assigned
124	RM$TXT	Yellow	2	Continuous	Default	Archibus room polyline text
125	ROOM-NAM	Green	3	Continuous	Default	Room Name
126	ROOM-NUM	Blue	5	Continuous	Default	Room Number
127	SANIT_FIX	Yellow	2	Continuous	Default	sanitary fixture
128	SEC-FITEQ	Yellow	2	Continuous	Default	Security system fittings and equipment

	Layer Information					
#	Layer Name	Colour name	Colour Number	Linetype	Lineweight	Description
129	SEC-GEN	Yellow	2	Continuous	Default	Security general
130	SEC-TXT	Yellow	2	Continuous	Default	Security text
131	SEW-GEN_cl	Green	3	CenterX2	Default	Sewage general
132	SKIRT-GEN_hi	Yellow	2	Dashed	Default	Skirting general
133	SLAB-CNTJ_cl	Blue	5	CenterX2	Default	Slab control joint
134	SLAB-EDG	Blue	5	Continuous	Default	Slab edges
135	STAIR-CNC	Yellow	2	Continuous	Default	Concrete stairs
136	STAIR-ESC	Yellow	2	Continuous	Default	Stair escalator
137	STAIR-GEN	Yellow	2	Continuous	Default	Stair generic
138	STAIR-STEEL	Yellow	2	Continuous	Default	Stair steel
139	STAIR-TIMB	Yellow	2	Continuous	Default	Stair timber
140	STAIR_hi	Yellow	2	Hidden2	Default	Stair projections
141	SURROUNDINGS	Dark-grey	252	Continuous	Default	Surroundings
142	TEMP-TXT	Grey	8	Continuous	Default	Temporary text
143	TEMP-WALL	Yellow	2	Continuous	Default	Temporary wall
144	WALL-BLK	Green	3	Continuous	Default	Wall blockwork
145	WALL-BLKHT	Yellow	2	Continuous	Default	Wall blockwork hatch
146	WALL-BRK	Green	3	Continuous	Default	Wall Brickwork
147	WALL-BRKHT	Yellow	2	Continuous	Default	Wall Brickwork hatch
148	WALL-CNC	Blue	5	Continuous	Default	Wall Concrete
149	WALL-CNCDEM_hi	Red	1	Dashed	Default	Wall Concrete demolition
150	WALL-CNCHT	Yellow	2	Continuous	Default	Wall Concrete hatch
151	WALL-EXTG	Green	3	Continuous	Default	Wall existing
152	WALL-GEN	Green	3	Continuous	Default	Wall generic
153	WALL-GL	Yellow	2	Continuous	Default	Wall glazed
154	WALL-MS	Yellow	2	Continuous	Default	Mansonary wall
155	WALL-MSHT	Yellow	2	Continuous	Default	Mansonary wall hatch
156	WALL-SBLK	Green	3	Continuous	Default	Structural Blockwork wall
157	WALL-SBRK	Green	3	Continuous	Default	Structural Brickwork wall
158	WALLSCNC	Blue	5	Continuous	Default	Structural concrete wall
159	WAT-CHFEQ	Yellow	2	Continuous	Default	Cold and hot water fittings and equipment
160	WAT-CNPOT_ph	Green	3	Phantom	Default	Cold water non-potable pipework
161	WAT-CPWK_cl	Green	3	CenterX2	Default	Cold Water pipework
162	WAT-HPWK	Green	3	Continuous	Default	Hot water pipework
163	WAT-OTH	Yellow	2	Continuous	Default	Water other
164	WIND-GEN	Yellow	2	Continuous	Default	Windows generic
165	XREF	Light-Grey	254	Continuous	Default	External references

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