BIM MODELLING MANUAL

Third Edition, Feb 2022

DRAINAGE SERVICES DEPARTMENT

Government of the Hong Kong
Special Administrative Region

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Revision Control Sheet Summary

Revision	Issue Date	Amendment Incorporated
First Edition	19 December 2017	NA
Second Edition	29 May 2019	NA
Third Edition	16 February 2022	NA

	Prepared by	Checked by	Reviewed by	Approved by
Party	Drawing Offices	Various	DSD BIM Working Group (WG) Members	DSD BIM WG Chairman

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1. Introduction

1.1 Objective

1.1.1 The BIM Modelling Manual (hereinafter called Manual) provides guidance in creating Building Information Modelling (BIM) models for drainage / sewerage facilities / networks managed and maintained by Drainage Services Department (DSD). Facilities include sewage treatment plants, pumping stations and underground storage tanks while such networks include tunnels, outfalls, box culverts, river training and other underground assets.

1.1.2 This Manual should be followed with an aim to:-

(a) producing standardized, quality and interoperable BIM models / deliverables;

(b) promoting use of BIM models throughout the whole project life cycle;

(c) facilitating collaboration, communication and information / data exchange amongst related projects;

(d) fostering an efficient and effective workflow;

(e) enabling asset data in BIM models to transfer to the existing asset management (AM) and facility management (FM) systems.

1.2 Acronyms and Abbreviations

1.2.1 Full list of acronyms and abbreviations is at **Appendix A.**

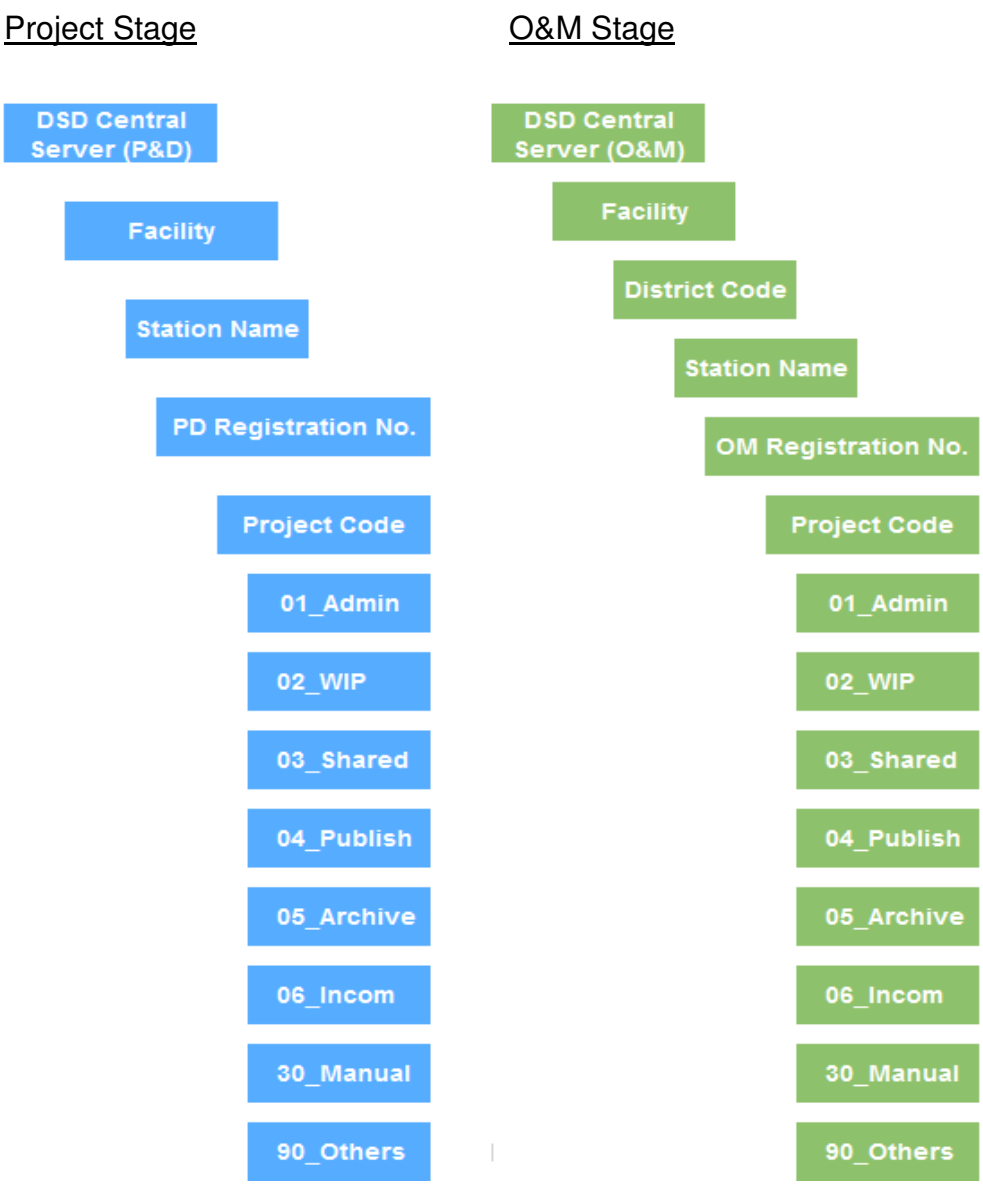
2. Project Setup

2.1 Folder Structure

2.1.1 The folder structure is developed with reference to BS 1192, BS 8356 and PAS 1192 so as to enable the generation, sharing, handing over and operation and maintenance (O&M) of information in a systematic manner.

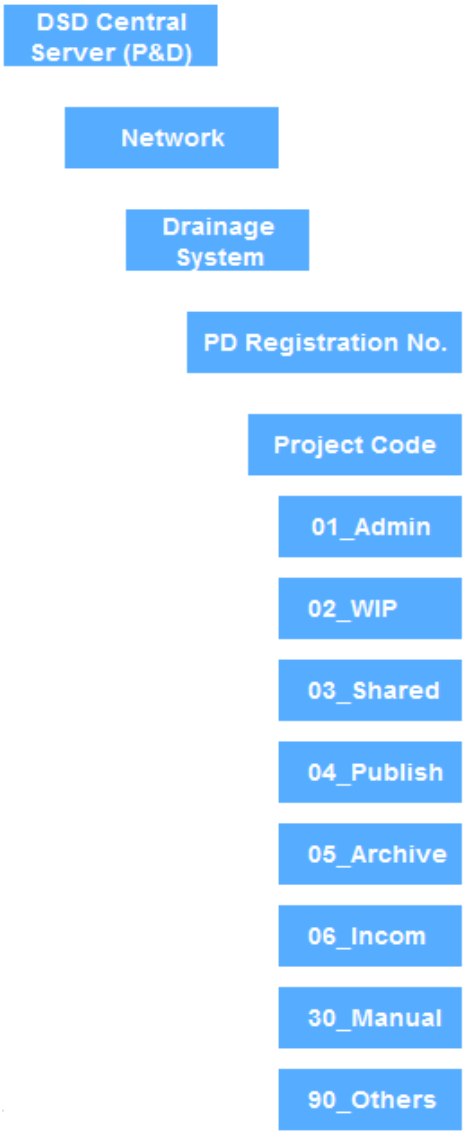
2.1.2 The folder structure for drainage and sewerage facilities and networks at project & O&M stages are as follows:-.

For Facility

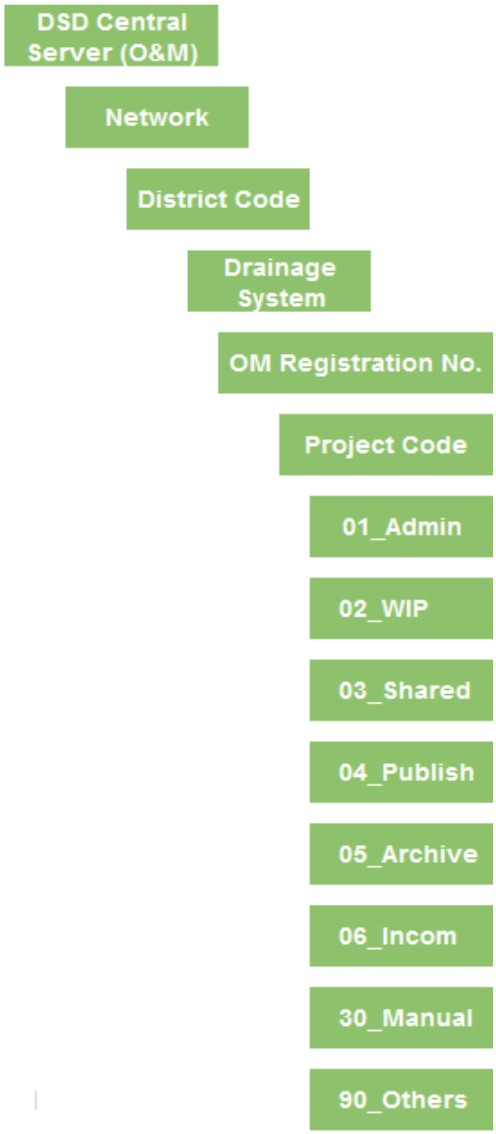


For Network

Project Stage



O&M Stage



Asset Type	It is categorized into Facility or Network
District Code	It should be assigned by division responsible for maintaining a Facility or Network and is only applicable in O&M stage
Station Name	It is only applicable to Facility and refers to the abbreviation of the name of sewage treatment plant, pumping station or underground storage tank
Drainage System	It is only applicable to Network and is categorized into Stormwater or Sewerage
PD Registration No	PD Registration No is a number assigned by the DSD BIM Support Team to a project with BIM use in project stage
OM Registration No	OM Registration No is a number assigned by the DSD BIM Support Team to a project with BIM use in O&M stage
Project Code	It refers to contract no, agreement no or temporary project number assigned by drawing offices
01_Admin	To store project management information such as contract documents, project BIM Execution Plan, seed files / templates etc
02_WIP	To store work-in-progress (WIP) model files and documents that have not been checked and verified by project BIM coordinators
03_Shared	To store model files / documents that have been checked and verified by project BIM coordinators such that the model files are ready for sharing and collaboration

04_Publish	To store all model files / documents generated from BIM process that have been approved by project BIM manager
05_Archive	To store all obsolete project information
06_Incom	To store all incoming files including but not limited to sketches, drawings, images, 3D spatial data as well as reference materials
30_Manual	To store all information related to O&M such as testing & commissioning (T&C) reports, catalogues, certificates and O&M manual
90_Others	To store all other miscellaneous information which cannot be classified under the above folders

Asset Type

2.1.2.1 Asset Type is categorized into Facility or Network. For the avoidance of doubt, sewage treatment plant, pumping station and underground storage tank are classified as Facility while other type of assets including sewerage / effluent / drainage tunnel, submarine / seawall outfall, box culvert, river training and other underground pipe are classified as Network.

District Code

2.1.2.2 The District Code is to enable the easy retrieval of information. The general layout plan showing the District Code of Network and tables showing the District Code for Facility and Network are at **Appendix B**.

For Facility

Location	Responsible Division	District	District Code
Hong Kong and Island	STD2	Central & Western	CW
	STD2	Eastern	E
	STD2	Southern	S
	STD2	Wan Chai	WC
Kowloon	STD2	Kowloon City	KC
	STD2	Kwun Tong	KT
	STD2	Sham Shui Po	SSP
	STD2	Wong Tai Sin	WTS
	STD2	Yau Tsim Mong	YTM
New Territories	STD2	Islands	I
	STD2	Kwai Tsing	KWT
	STD1	North New Territories	NNT
	STD1	Sai Kung	SK
	STD1	Sha Tin	ST
	STD1	Tai Po	TP
	STD2	Tsuen Wan	TW
	STD1	Sham Tseng and Tuen Mun	SmT_TM
	STD1	Yuen Long and North West Territories	YL_NWNT

For Network

Location	Responsible Division	District Code
Hong Kong and Island	HK&ID	W1
		W2
		W3
		W5
		W6
		E1
		E2
		E3
		E5
		L1
		L2
		L3
		L5
Kowloon	MSD	K1
		K2
		K3
		K4
		K5
		K6
		K7
		K8
		K9
		KTD
New Territories	MSD	TK1
		TK2
		TK3
		TK4
		TKO
		SK
		MOS

Location	Responsible Division	District Code
New Territories	MND	TM1
		TM2
		TM5
		YL2
		YL3
		YL4
		SM4
		N1
		N2
		N3
		N4
		SD
		TP2
		TP3
		TP4

Station Name / Drainage System

2.1.2.3 Station Name refers to the abbreviation of the name of a Facility and should be agreed between the project team and O&M team at the onset of a project. Drainage System is only applicable to Network and is categorized into Stormwater or Sewerage. Examples are appended below for reference:-

Station Name	Abbreviation
Shek Wu Hui Sewage Treatment Works	SWHSTW
Ma On Shan Sewage Pumping Station No.1	MOSSPS01
Happy Valley Underground Stormwater Storage Tank	HVUSST

Drainage System	Abbreviation
Stormwater	SD
Sewerage	FO

PD Registration No / OM Registration No

2.1.2.4 The registration number is assigned by DSD BIM Support Team for ease of internal administration. Civil and Electrical and Mechanical (E&M) related projects will be assigned with the same registration number. It should be in the form of “ZZYYYYXXX”. “ZZ” denotes either “PD” for project team or “OM” for O&M team whenever applicable. “YYYY” denotes year and “XXX” denotes the order of that project in a particular year. If it is the first project with BIM use by a project team in 2018, then the PD Registration No. should be “PD2018001”.

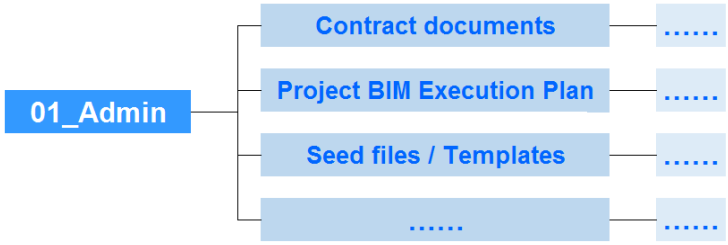
Project Code

2.1.2.5 The Project Code should be adopted in the following sequence. Contract No. should be used whenever available. If the project is in design stage, Agreement No. should be used. If Agreement No. is not available, then the temporary project number assigned by the respective drawing office should be used. Examples are as follows:-

Project	Code
Contract No. DC/2015/02	DC201502
Contract No. DE/2017/04	DE201704
Minor Works Contract No. DEMP/2017/08	DEMP1708
Agreement No. CE 30/2014 (DS)	CE302014
Agreement No. EMP 01/2013	EMP0113
Temporary project number	S1609
Temporary project number	DEM1663

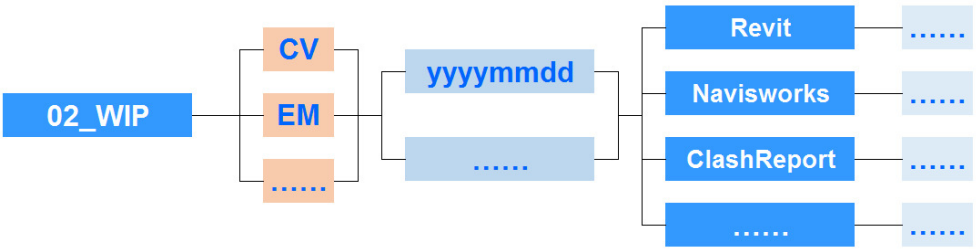
01_Admin

2.1.2.6 This folder is to store project management information such as contract documents, project BIM Execution Plan, seed files / templates etc.



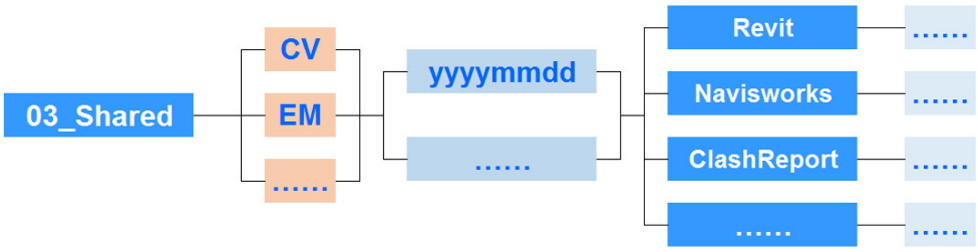
02_WIP

2.1.2.7 This folder is to store work-in-progress (WIP) model files and documents that have not been checked and verified by project BIM coordinators. For clarity, model files under trial should be saved in this folder.



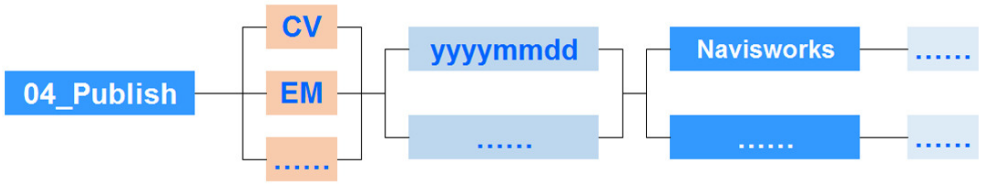
03_Shared

2.1.2.8 This folder is to store model files / documents that have been checked and verified by project BIM coordinators such that the model files are ready for sharing and collaboration.



04_Publish

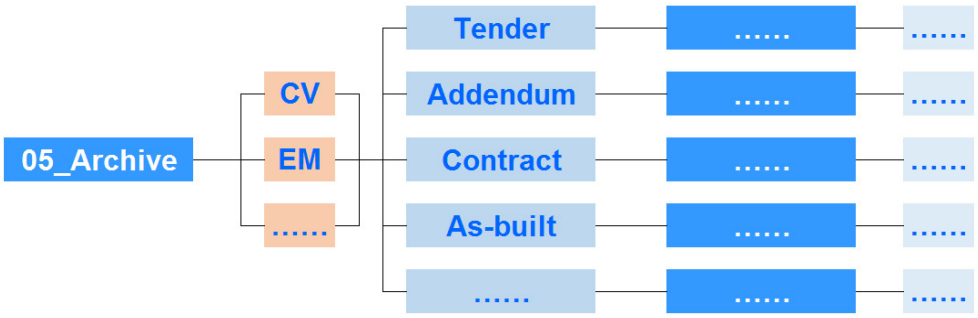
2.1.2.9 This folder is to store all model files / documents generated from BIM process that have been approved by project BIM manager.



.

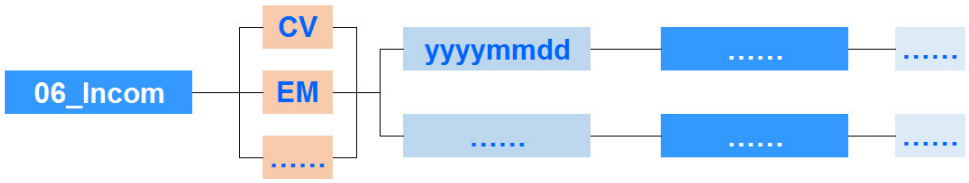
05_Archive

2.1.2.10 This folder is to store all obsolete project information.



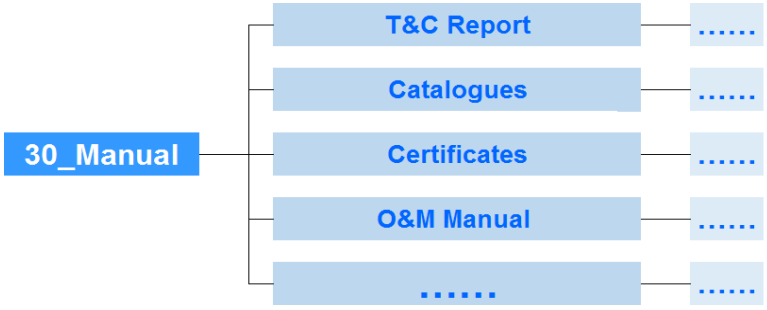
06 Incom

2.1.2.11 This folder is to store all incoming files including but not limited to sketches, drawings, images, 3D spatial data as well as reference materials.



30 Manual

2.1.2.12 This folder is to store all information related to O&M such as testing & commissioning (T&C) reports, catalogues, certificates and O&M manual. Link to this folder may be added in a BIM model.



90 Others

2.1.2.13 This folder is to store all other miscellaneous information which cannot be classified under the above folders.

2.1.3 For the avoidance of doubt, federated model shall be stored at CV folder. A diagram showing the proposed folder structure is at **Appendix C.**

2.2 Shared Drive

2.2.1 BIM server will be set up and mainly be divided into two partitions, with one for project team and the other for O&M team. The main advantage to divide into two partitions is to enable the proper management of BIM models and information in project stage and O&M stage.

2.2.2 Upon request, Information Technology Management Unit (ITMU) of DSD can assist to create a shared drive to facilitate the information exchange for projects. Access control to folders in the shared drive can also be set up.

2.2.3 ITMU can be requested to set up a private cloud service (DSD Cloud Drive) to facilitate information exchange with consultants / contractors. Please refer to “DSD Cloud Drive User Guide” prepared by ITMU for details, which may be updated from time to time due to technological advancement.

3. Naming Convention

3.1 Introduction

3.1.1 This section describes the naming convention of file for BIM model and object.

3.1.2 File name of BIM model, object and model element should follow a consistent naming convention. The general notes on naming convention are summarized as follows:-

(a) only alphabetic letters A-Z, hyphen, underscore and numbers 0-9 should be used for all fields;

(b) all fields should be separated by a hyphen character "-" or an underscore "_";

(c) a single period character "." should only be used to separate the filename from the extension; and

(d) file extension should not be amended nor deleted.

(e) Space, special symbols and invalid characters (including ~ " # % & * : < > ? / \ { | }.) shall not be used

3.1.3 Once a file name is created, care should be taken in renaming the file which may invalidate links created amongst models.

3.2 Model File Naming

3.2.1 All BIM model file names should be composed of 6 fields (excluding file extension) separated by a hyphen "-" according to the format below unless or otherwise specified:-

<project code> - <originator> - <volume_system> - <location_sub-location> - <discipline_subdiscipline> - <type_characteristic> - <sequential number> . <file extension>

Field	Definition and Details
Project Code	Same as paragraph 2.1.2.5
Originator	It refers to the Agent Responsible Codes (ARCs) of consultants / contractors registered under the Computer-Aided Drafting Standard for Works Project (CSWP) or codes assigned to various divisions / units of DSD defined in paragraph 3.2.1.2
Volume_system	It refers to a location or group of location in a project which the model file relates to
Location_Sub-location	It refers to an area of a facility or feature in a project which the model file relates to
Discipline_ subdiscipline	It refers to the discipline of a model file
Type_ characteristic	It is an identifier to indicate the model's characteristic
Sequential number	A sequential number should be assigned when it is necessary to further distinguish the model from the others. It can also be used to distinguish other documents such as drawings.

Project Code

3.2.1.1 The definition of Project Code should be the same as defined in paragraph 2.1.2.5.

Originator

3.2.1.2 The Originator is an Identity Code for various divisions of DSD which are the same as the Agent Responsible Codes (ARC) registered under Computer-Aided Drafting Standard for Works Projects (CSWP) published by Development Bureau (DEVB). The Identity Code for consultants / contractors should be the one registered under CSWP's ARC. The Identity Code for various divisions / units of DSD, consultants and contractors are tabulated as follows:

https://www.devb.gov.hk/en/construction_sector_matters/electronic_services/cad_standard/computer_aided_drafting/cad/index.html

Division / Unit	Identity Code
Harbour Area Treatment Scheme Division	DDA
Hong Kong & Islands Division	DDH
Building Civil Maintenance Unit	DDB
Mainland South Division	DDM
Mainland North Division	DDN
Land Drainage Division	DDL
Consultants Management Division	DDC
Project Management Division	DDP
Sewerage Projects Division	DDS
Drainage Projects Division	DDD
Electrical & Mechanical Projects Division	DDE
Sewerage Treatment Division 1	DDF
Sewerage Treatment Division 2	DDG
Survey Section	DDU
Special Duty Division	DDX
System Management Division	DDY
Carven Projects Division	DDT
Planning & Rehabilitation Division	DDR

Consultants / contractors	Refer to ARC (see examples below)

CONSULTING ENGINEERS

Consulting Engineer	ARC
ACLA Limited	ACD
AECOM Asia Company Limited	ACM
AIM Group Limited	AIM
Arcadis Design & Engineering Limited	ADE
Arcadis Hong Kong Limited	AHL
Associated Consulting Engineers	ACE
Atkins China Ltd	ATK
Au Posford Consultants Ltd	APC
APT Engineering Consultant Limited	APE
Aurecon Hong Kong Limited	AUR
B BIM Creation Limited	BBC
Babtie Asia Ltd	BAL
Binnie Black & Veatch Ltd	BBV
Black & Veatch Hong Kong Limited	B&V
Bridgewater & Coulton Limited	BCL
Beria Consultants Limited	BER
BMMK, Ratcliffe Hoare & Co	BRH
BMT Asia Pacific Limited	BMA
C Arch Design Consultant Limited	CDC
CM Wong & Associates Ltd	CMW
Camp Dresser & McKee International Inc	CDM
Canwest Consultants Limited	CAN
Citex Asia Limited	CTA
CH2M Hill (China) Limited	CHM
CSA (M&E) Limited	CSM
CSE International Limited	CSE
Currie & Brown (China) Limited	CBL
C.S. Toh & Sons & Associates Limited	CTS
Daniel Chan & Associates Ltd	DCA
D G Jones and Partners (Hong Kong) Ltd	DGJ
Davis Langdon & Seah Hong Kong Limited	DLS
DTZ Debenham Tie Leung Project Services Limited	DTZ
Earthasia Limited	ERL
ESA Consulting Engineers Ltd	ESA

Contractors

CONTRACTORS - A

Contractor	ARC
A.E.S. Destructive & Non-Destructive Testing Limited	AES
ABB (Hong Kong) Limited	ABB
Able Engineering Company Limited	AEC
ABS Worldwide Technical Services, Inc.	ABS
Access Control Systems Limited	ACS
Action Design Company Limited	ADC
Active Way Limited	AWL
ADC Engineering Trading Company Limited	AET
Adrian Engineering Limited	ADR
Advance Specialist Treatment Engineering Limited	AST
Advanced Communication Equipment (International) Company Limited	ADV
Alfa Engineering Company Limited	ALF
Alga (Far East) Limited	ALG
Alliance Contracting Company Limited	ALC
Allink Hong Kong Limited	ALK
Alpha Building Construction Limited	ABC
AMEC Electrical and Mechanical Engineers Limited	AME
AMEC International Construction Limited	AMC
An Hsin Construction Company Limited	AHC
Anderson Asphalt Limited	AND
Andrew Lau & Associates (China) Limited	ALA
Aoki Corporation	AOK
Aquality Engineering Company Limited	AQU
Arnhold & Company, Limited	ARN
Arnlee Engineering Limited	ARL
Artcom Computer Project Company Limited	ART
ASC (HK) Limited	ASC
Asia Construction Co., Limited	ACC
Asia Landscaping Limited	ASL
Asia Rock Art Limited	ARA
Asian (Ah Chi) Engineering and Construction Works Limited trading as Asian Construction Company	ASE
Asian Growing Engineering Limited	AGE

Volume

3.2.1.3 It refers to a location or group of location in a project which the model file relates to. Location Code is applicable for indicating the location of clustered underground asset within a contract. A reference definition of Location Code is tabulated below. If it is not applicable, project team should agree with O&M team at the onset of a project.

Location	**Code**
Location No. 1	L01
Location No. 18	L18
Multiple Locations	ZZ

Location

3.2.1.4 It refers to an area of a facility or feature in a project which the model file relates to. A referenced definition of Feature Code is tabulated below and at **Appendix D**. If it cannot be found in this Manual, project team should agree with DSD BIM Support Team and O&M team at the onset of a project.

Feature	**Code**
Activated Sludge Pumping Station	ASPS
Administration Building	AB
Aerobic Tank	AET
Anaerobic Tank	ANT
Anoxic Tank	AXT
Bioreactor	BRC
Box Culvert	BOC
Car Park	CAP
Channel	CHL
Chemical Enhanced Primary Treatment Works	CEPT
Chemical Waste Store	CWS
Coarse Screen Facility	CSF
Detritor	DTR
Drainage Tunnel	DUN
Dry Weather Flow Interceptor	DWFI

Feature	Code
Effluent Pumping Station	EPS
Engineering Survey Products	ESP
Final Sedimentation Tank	FST
Fine Screen Facility	FSF
Grit Trap Facility	GTF
Inlet Pumping Station	IPS
Maintenance Access	MAS
Major Secondary Treatment Works	MAST
Minor Secondary Treatment Works	MIST
Miscellaneous	MIS
Moving Bed Biofilm Reactor	MBBR
Multiple Features	ZZ
Non-specific location	XX
NullahNULPipe Bridge	PPB
Preliminary / Screening Treatment Works	PSTW
Primary Sedimentation Tank	PST
Primary Treatment Works	PTW
Pump House	PUH
Reverse Osmosis Facility	ROF
Rising Main	RM
Secondary Sedimentation Tank	SST
Sewage Pumping Station	SPS
Sewage Tunnel	SUN
Sludge Consolidation Tank	SCT
Sludge Dewatering House	SDH
Sludge Digester	SDR
Sludge Pumping Station	SLPS
Sludge Thickening House	STH
Solar PV Farm	SPV
Storage Area	SAA
Storage Tank	STT
Stormwater Pumping Station	SmPS
Submarine Outfall	SBO
Terrain	TER
Tertiary Treatment Works	TTW
Transformer Room	TMR

Feature	Code
Trickling Filter	TFR
Utilities	UUS
UV disinfection facility	UVF
Water Rehabilitation System	WRS
Water Sampling House	WSH

Sub-location

3.2.1.5 It refers to a level or group of level in a project which the model file relates to. Sub-location Code is only applicable for indicating the level of a facility or feature in a model. A referenced definition of Sub-location Code is tabulated below. If it is not applicable, project team should agree with O&M team at the onset of a project.

Level	Code
Reference Level from Engineering Survey	ES
Basement 2	B2
Basement 1	B1
Ground Floor	GF
First Floor	01
Second Floor	02
Roof	RF
Whole Building	WB

Discipline

3.2.1.6 It refers to the discipline of a model file. A referenced definition of Discipline Code is tabulated below. Agreement should be sought from DSD BIM Support Team on any changes to the Discipline Code. The Discipline Code “MD” is applicable to a model file which links all the latest files of different disciplines together.

Discipline	Code
Architectural	AR
Building Services	BS
Civil	CV

Control and Instrumentation	CI
Electrical	EL
Engineering Survey	ES
Landscape	LA
Mechanical	ME
Structural	ST
Stormwater	SD
Sewerage	FO
Multiple Disciplines	ZZ

Characteristic

3.2.1.7 It is an identifier to indicate the model's characteristic tabulated as follows:-

Characteristic	**Code**
Seed File / Template File	S
Proposed Works	N
Temporary Works	T
Existing Features	E
As-built	A
Maintenance or record	M
Demolition	D
All Works	W

Examples of Model File Naming

3.2.1.8 Examples of model file naming are at **Appendix E**.

3.3 Object File Naming

3.3.1 The file name length of BIM objects should be 30 characters maximum, including delimiters but excluding the file extension. BIM object file name is expected to be as short as possible and should follow CIC's file name length for BIM objects. For details, please refer to DEVB BIM Harmonisation Guidelines for Works Departments v1.0 Section 3.4. The file name of an object (**Appendix F**) should be composed of 5 fields separated by a hyphen "-" according to the format below unless or otherwise specified:

<Category>-<Functional Type>-<Originator>-<Descriptor 1>-<Descriptor2> .<File Format Extension>

	Format	Definition
Category	3 Alphabetic	It defines as equivalent to DSD CAT CODE and Sub-CAT CODE. Reference can be made to Appendix G. Any changes to DSD CAT CODE should be agreed by DSD BIM Support Team.
Functional Type	3 Alphabetic	
Originator	3 Alphabetic	It refers to the Agent Responsible Codes (ARCs) of consultants / contractors registered under the Computer-Aided Drafting Standard for Works Project (CSWP) or codes assigned to various divisions / units of DSD defined in paragraph 3.2.1.2
Descriptor 1	1 to 15 Alphanumeric	Descriptor 1 contains information about primary use and material when applicable.
Descriptor 2	2 Alphanumeric	Descriptor 2 is a 2-digit sequential number (e.g. 01 to 99) to distinguish different types that cannot be sufficiently identified by preceding fields. (e.g. STESTA-ACM-NB_Pier-01.rfa)

File Extension	.rfa	It refers to the file extension (Use Revit as a reference only)

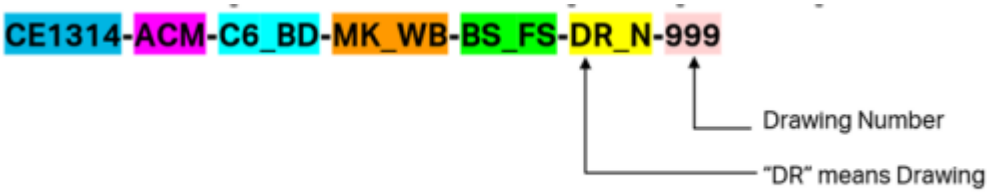
3.4 View Naming

3.4.1 Examples of View Naming are tabulated as follows:-

View Type		**Value**
Draft		Refer to drawing practices of individual drawing office
Sheet		
Plan	Basement 1	01_B1_(+4.00mPD)
	Ground Floor	02_GF_(+8.00mPD)
	First Floor	03_01_(+10.00mPD)
	Roof	04_RF_(+12.00mPD)
		etc…
Details		A, B, C, etc…
Elevation		A, B, C, etc…
Section		1-1, 2-2, A-A, B-B, etc…

3.5 Naming of Drawings Generated from BIM model

3.5.1 The model naming format for drawing file naming should be adopted. For example, abbreviation code of “DR” (meaning 2D Drawings) under Field 6 (Types) and 3-digit codes acting as the drawing number under Field 7 (Sequential Number) could be used. Naming example of drawings is as follows:-


CE1314-ACM-C6_BD-MK_WB-BS_FS-DR_N-999
Drawing Number
"DR" means Drawing

4. Modelling Fundamental

4.1 Model Coordinates and Orientation

The base point and orientation of BIM models should be made reference to the project location, the Hong Kong 1980 Grid (HK1980 Grid) and the Hong Kong Principal Datum (HKPD). The HK1980 Grid is a local rectangular grid system based on the HK80 Datum and Transverse Mercator projection. It is used in cadastral, engineering surveying and large scale mapping in Hong Kong. All heights and levels on land refer to the Principal Datum, which is formerly known as Ordnance Datum. A True North direction (i.e. True Bearing = 0°) should be indicated in BIM models. The shared coordinates of both Project Base Point and Survey Point are recommended to be located at the leftmost bottom corner in round up figures (e.g. 835200N, 837400E), with the elevation be zero.

4.2 Model Scale & Unit

4.2.1 BIM model should be modelled in 1:1 true scale, and in metric and consistent units. Common model units are as follows:-

Base Units:

Name	Unit	Symbol
Length	meter / millimetre	m / mm
Area	square metre	m^2
Volume	cubic metre	m^3
Angle	decimal degree	^{o}
Mass	kilogram	kg

Engineering Units:

Name	Unit	Symbol
Force	newton	N
Stress	newton per square metre	N/m^2
Mass Density	kilogram per cubic metre	kg/m^3
Power	watt	W
Pressure	Pascal	Pa
Temperature	Celsius	^oC
Velocity	metre per second	m/s
Flow	litre per second	l/s
Duct / Pipe Size	millimetre	mm
Cooling Load	kilowatt	kW
Heating Load	kilowatt	kW
Current	Ampere	A
Electrical Potential	Volts	V
Frequency	Hertz	Hz
Illuminance	Lux	Lx
Wattage	Watt	W
Colour Temperature	Kelvin	K
Apparent Power	kilovolt-ampere	kVA
Energy	Joules	J

4.3 Presentation Styles

4.3.1 Colour Scheme

For DSD project, model elements' shading colours shall follow RGB codes specified based on the prevailing systems in DSD guidelines for design authoring. For 3D coordination, DSD own colour standards may be adopted. Deviations, if any, should be documented in BEP. See Section 4.3.1.1.

For inter-departmental 3D coordination between WDs, colour appearance should be based on Disciplines in accordance with Section 4.3.1.2.

4.3.1.1 All colours in model elements should be in a standard range, chosen and applied in accordance with BS 4800 unless or otherwise specified. The colour scheme of different model elements should be presented as follows whenever applicable:-

Discipline	Model Element(s)	BS 4800	RGB Color	Color Palette
Stormwater / Sewerage	Stormwater (except Tunnel / Box Culvert)	NA	0, 0, 255	
	Sewerage (except Tunnel / Box Culvert)	NA	255, 0, 0	
	Stormwater – Tunnel / Box Culvert	NA	255, 255, 0	
	Sewerage – Tunnel / Box Culvert	NA	255, 0, 255	
	Stormwater (Abandoned)	06 C 37	168, 116, 86	
	Sewerage (Abandoned)	06 D 45	143, 91, 63	

Structural	Foundation, Wall, Column	08 B 25	119, 104, 93	
	Slab, Roof, Stair	00 A 09	130, 131, 133	
	Beam	00 A 13	90, 90, 91	

Discipline	Treatment / System(s)	BS 4800	RGB Color	Color Palette
E&M	Primary Treatment	00 E 53	47, 47, 48	
	Sludge Treatment	06 C 39	114, 80, 59	
	Chemical Treatment	16 E 50	158, 215, 208	
	Aeration Treatment	20 E 51	108, 164, 211	
	Biological Treatment	06 C 33	226, 193, 159	
	Effluent System	18 E 50	173, 212, 218	
	Mechanical System	10 E 53	233, 193, 0	
	Lighting System	04 E 49	245, 219, 212	
	Electricity Supply System	14 E 51	93, 173, 115	
	Fire Service System	04 E 55	197, 73, 55	
	Supply Air System	12 E 53	153, 176, 63	
	Exhaust Air System	20 D 45	63, 95, 132	
	Deodorization System	24 E 53	137, 95, 143	
	Biogas System	14 C 39	66, 94, 79	
	All other minor fixed equipment / system	06 E 56	181, 104, 53	
	All other minor moving equipment / system	04 C 37	166, 111, 103	

4.3.1.2 The colours appearance of various disciplines for inter-departmental 3D coordination between WDs:-

(i) Colour Appearance by Discipline for Underground Utilities

Codes	Discipline	Colour (RGB)	Reference	Colour Appearance
CD	Chilled Water Distribution	0-255-0	ArchSD, EMSD	
FO	Sewerage	255-0-0	DSD	
FW	Fresh Water System	228-232-225	WSD	
GS	Gas Supply	255-0-255	N/A	
IR	Irrigation	0-255-255	ArchSD, EMSD	
PS	Electrical Power Supply	93-173-115	DSD, WSD	
RW	Raw Water System	77-166-190	WSD	
SD	Stormwater Drainage	0-0-255	DSD	
SW	Salt Water System	106-108-60	WSD	
TC	Telecommunication	230-205-255	N/A	
WR	Recycled Water System	0-128-255	ArchSD, EMSD	

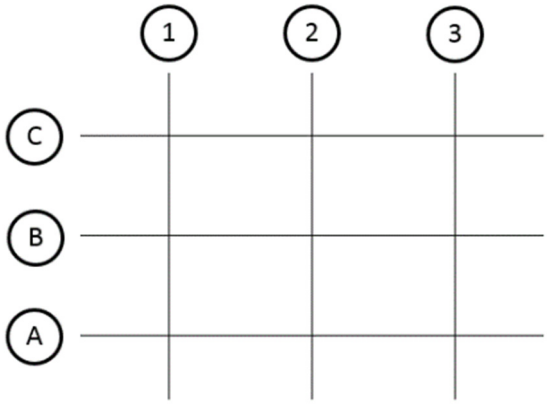
(ii) Colour Appearance by Discipline for Above-grade Features

Codes	Discipline	Colour (RGB)	Reference	Colour Appearance
AR	Architectural	255-255-255	N/A	
BS	Building Services	255-128-0	N/A	
EL	Electrical	93-173-115	DSD, WSD	
FS	Fire Services	255-0-0	ArchSD, EMSD	
LA	Landscape	0-255-0	N/A	
ME	Mechanical	233-193-0	DSD	
RD	Road	191-191-191	N/A	
SF	Site Formation	226-183-120	N/A	
SL	Slope	143-91-63	N/A	
ST	Structural	119-104-93	DSD	

4.3.2 Line Styles, Text Styles, Dimension Styles and Grid Line

4.3.2.1 The line weight, line pattern, text styles, dimension styles for elevation, section, plan and details of drawings generated from a BIM model should be in-line with 2D drawing practices.

4.3.2.2 Grid Line



4.4 Model Division

4.4.1 It is not recommended to create a single huge BIM model, with all details from different disciplines embedded. Instead, a BIM model should be divided into appropriate discipline, feature, location and level by the project BIM team in accordance with the guidelines given in Chapter 3 of this Manual. BIM models from different disciplines should be linked together in a logical hierarchy for easy handling and collaboration.

4.5 Model Control

General

4.5.1 Different version of BIM models may have to be created due to design changes and / or the need to record certain milestones during the course of a project. To ensure the latest version of a BIM model can be used and a single source of truth, proper model control practices should be implemented as follows:-

a) saving model files in the corresponding folder in accordance with the guidelines given in Chapter 2 of this Manual;
b) duplicating model files should be avoided in the same folder; and

c) archiving obsolete model files periodically.

Model Separation

4.5.2 Model separation is to isolate a portion of BIM model, which will be useful in situation where the project team requires only part of a BIM model for upgrading works. The extent of a BIM model to be separated depends on a number of factors such as project needs and the model hierarchy.

Model Merge

4.5.3 Once a BIM model is created or modified, it can be used to replace or merge with other BIM models to present the most updated condition.

4.5.4 The information embedded in BIM models need to be very carefully scrutinized before merging. To ensure compatibility, it is necessary to thoroughly audit each BIM model to be merged to ensure its quality is in compliance with this Manual.

Model Update

4.5.5 Besides the need to update a BIM model to truly reflect the as-built condition, a BIM model should be reviewed and updated as appropriate when the corresponding BIM software is upgraded. Attention should be drawn to the possible impact on a BIM model before software upgrade.

4.5.6 The project team and O&M team should be responsible to ensure the integrity of BIM models at project stage and O&M stage respectively. DSD BIM Support Team will conduct regularly audit to check for BIM compliance as detailed in Chapter 6 of this Manual.

Model Archive

4.5.7 BIM models should be backed up regularly to prevent the loss of information due to file corruption, human error, or physical hardware failure. The appropriate regularity of archiving is dependent on the amount of changes being made in a given time. Some practices for model archive are as follows:-

a) archive should be made on the last day of every week;

b) archive should not be taken from a local drive but should be taken from the latest version saved in the shared drive; and

c) archive should be performed before some important edit such as model merge or at milestones of a project.

4.6 Model Link

4.6.1 BIM models of different disciplines and projects can be virtually linked together into a single model file for ease of collaboration / viewing.

4.6.2 In order to properly link cross-disciplinary BIM models such as architectural, structural and E&M BIM models, the base point and orientation in all relevant BIM models should be properly aligned to ensure the geo-locations are consistent.

4.6.3 The maximum file size for each BIM model should be 500MB unless agreed by the DSD BIM Support Team. Due to varying project sizes and requirements, this Manual does not provide limit or standard to the total project file size. To help control the BIM model file size, the maximum size of each BIM object file used should be kept at the minimum preferably under 5MB.

4.6.4 All links to irrelevant or extraneous files should be removed.

4.6.5 All relevant model files involving in model link should be submitted.

4.7 Software

4.7.1 The BIM software should comply with the latest industry interoperability standards, e.g. Industry Foundation Classes (IFC) and and Construction Operations Building Information Exchange (COBie). User friendly and effective software should be adopted to facilitate different BIM uses such as design authoring, design review, 3D coordination, Phase Planning (4D Modelling).

4.7.2 The current software being adopted by DSD for BIM are listed below for reference:-

Purpose	**Software ***	**Version**	**File Format**
Design Authoring for Architectural, Structural and E&M	Autodesk Revit	Latest version where appropriate	rvt, rfa, rte
Design Authoring for Stormwater and Sewerage Network	Bentley OpenRoads Designer		dgn, itl
Existing Conditions Modelling (e.g. Topographical Model)	Autodesk Civil 3D		dwg
3D Coordination including Clash Analysis	Autodesk Navisworks Manage Bentley Navigator Fuzor		nwc, nwf dgn, i.dgn, imodel che, chl
Design Review	Autodesk Navisworks		nwc, nwd, nwf

	Manage / Freedom Bentley Navigator Fuzor		 dgn, i.dgn, imodel che, chl
Phase Planning (4D Modelling)	Autodesk Navisworks Manage Fuzor		nwc, nwf che, chl
Asset Information Exchange to AM / FM systems	COBie worksheet		xls
Internal Common Data Environment (CDE)	Autodesk Vault		N/A

* Software other than those listed above may be used, subject to the approval by project team.

4.7.3 BIM models with information should be submitted in editable, native and open format, unless or other specified, to meet the interoperability and compatibility with the BIM software adopted by DSD which may be updated / upgraded from time to time. Native BIM models (developed in accordance with this Guide), shareable BIM models (IFC) and 3D GIS Open Format (CityGML) are recommended.

4.7.4 Drawings generated from a BIM model should be submitted in the file format of dgn/ dwg to meet the Computer-Aided Drafting (CAD) software being adopted by DSD from time to time unless or otherwise specified by project team.

5. Level of Development (LOD)

5.1 Introduction

5.1.1 BIM models will be developed gradually from investigation phase to O&M phase in a project life cycle. Each model comprises of various model elements. The required Level of Development - Geometry (LOD - G) and Level of Development – Information (LOD – I) of model elements should be clearly specified by project BIM manager at each stage of a project.

5.2 LOD - G

5.2.1 The LOD-G is used to describe graphic of model elements but not models as a whole. A model element is said to have achieved a given LOD-G when all requirement has been met.

5.2.2 LOD-G notations are comprised of numbers from LOD - G 100 to LOD - G 400. The definition of LOD-G should be made reference to the latest HKCIC BIM standard and is extracted as follows:-

LOD	Description
LOD – G 100	Model element may be graphically represented in model with symbol or other generic representation. Information related to model element (i.e. cost per square foot, tonnage etc…) could be derived from other model element.
LOD - G 200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation.
LOD - G 300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation.

LOD	Description
LOD – G 400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing, fabrication, assembly and installation information.

5.2.3 The LOD - G specification of each model element should be clearly defined to facilitate the project BIM team to appreciate the details of a model element in an easy manner and provide reference for acceptance.

5.2.4 Reference can be made to **Appendix J** for LOD – G specification of model elements relevant to DSD. If it cannot be found in this Manual, the HKCIC BIM standard should be referred to as appropriate. Under any circumstances, the LOD – G of model elements should not deviate from the definition above.

5.2.5 For LOD – G 100 to 400, non-graphic information and data may also be attached to the model elements. For more details, please refer to Section 5.3 below.

5.3 LOD - I

5.3.1 The LOD - I is used to describe information embedded in a model element. LOD - I notations are comprised of numbers from LOD – I 100 to LOD – I 500.

5.3.2 Generally, the attributes of a model element in BIM model should mainly cover design and construction related information, and a unique identity defined by DSD Asset Code, for integration with AM systems. The attributes to be included should be increased / updated with time and are dependent on the nature of work. For LOD – I 500, the model should be input and associated with as-built asset information like actual cost, commission records, etc of that asset of DSD.

5.3.3.1 DSD Asset Code (For Facility) should be composed of 7 fields separated by a hyphen "-" according to the format below unless or otherwise specified:

<Station Name >-<Feature Code>-
<Level>-<Space / Room Code>-<E&M System / Grid Code>-
<DSD CAT Code>-<DSD Sub CAT Code and Unit Number>

	Format	Definition
Station Name	3 to 9 Alphanumeric	Refer to Section 2.1.2.3
Feature Code	2 to 7 Alphanumeric	Refer to Section 3.2.1.4
Level Code	2 to 3 Alphanumeric	Refer to Section 3.2.1.6
Space / Room Code	3 to 8 Alphanumeric	It refers to the short form of the space / room where the object is installed. Reference can be made to **Appendix I**
E&M System / Grid Code	3 to 8 Alphanumeric	It refers to the short form of E&M system of which an E&M object belongs to, or the nearest intersection between grid lines for structural objects. Reference can be made to **Appendix I**
DSD CAT Code	3 Alphabetic	Refer to **Appendix G**
DSD Sub-CAT Code and Unit Number	6 Alphanumeric	Refer to **Appendix G** Unit number counts from bottom to top, then left to right

5.3.3.2 DSD Asset Code (For Network) should be composed of 8 fields separated by a hyphen "-" according to the format below unless or otherwise specified:

<Project Code>-<District Code>-<Station Name>-
<Drainage System>-<CAT Code>-<Start Node No.>-
<End Node No.>-<Chainage / MH No.>

	Format	Definition
Project Code	4 to 8 Alphanumeric	Refer to Section 2.1.2.5
District Code	3 Alphanumeric	Refer to **Appendix B**
Station Name	3 to 9 Alphanumeric	Refer to Section 2.1.2.3
Drainage System	2 Alphabetic	Refer to Section 2.1.2.3
CAT Code	3 Alphabetic	Refer to **Appendix G**
Start Node No.	3 to 15 Alphanumeric	Project Specific
End Node No.	3 to 15 Alphanumeric	Project Specific
Chainage / MH No.	3 to 15 Alphanumeric	Project Specific

The basic principle to form network pipe shall not influence and change the existing scope of works on projects and Operation & Maintenance (O&M). Their requirements and necessities shall fulfill DSD standard shown as follows:

Gravity Pipe		Pressure Pipe
Stormwater	Foul water	
Pipe shall be connected with the facilities end node such as manhole, nullah, box culvert, catchpit or gully	Pipe shall be connected with the end node such as manhole, septic tank, existing manhole, terminal manhole	- The pipe shall be located with chainage if necessary and be connected from station to station or manhole. - Vertical and horizontal bend with fitting in need if necessary - Air valve at the peak of pipe in need if necessary - Thurst block with interval in need (for exposure) if necessary - Concreted surround or bedding in need (for underneath) if necessary - Pipe fittings in need if necessary

5.3.4 Sample asset templates for some model elements at different LOD – I are at **Appendix H**.

5.4 LOD Responsibility Matrix

5.4.1 In addition to specifying the anticipated LOD of a model element at each stage of a project, it is necessary to specify the author of model element. Together with DSD CAT CODE, it forms the LOD Responsibility Matrix.

5.4.2 Sample templates of LOD Responsibility Matrix such as architectural BIM model, structural BIM model can be made reference to the latest HKCIC BIM standard. The project BIM manager may add or remove model elements from the sample templates to suit the project specific needs.

5.4.3 The assets maintained by DSD are specific and are mainly categorized into eight disciplines namely Stormwater, Sewerage, Architectural, Structural, Mechanical, Electrical, Building Services, and Control and Instrumentation. DSD has developed its own specific LOD Responsibility Matrix for BIM models of different disciplines (**Appendix G**).

5.4.4 Typical LOD requirement for model elements in different project stages are summarized as follows:-

Project Stage	**LOD - G**	**LOD - I**
Feasibility Study / Investigation	100	100
Design	200 - 300	200 - 300
Tender	300	300
Construction	300 - 400	300 - 400
As-built	400	500

6. Quality Control

6.1 BIM Compliance Check

6.1.1 BIM model should be created and updated by project BIM team during the course of a project. The project BIM manager should ensure that BIM model is constructed in quality and in compliance with this Manual.

6.1.2 Quality check should comprise design and BIM compliance check. Design compliance check covers mainly the realization of design intent and faithful as-built construction record in a BIM model. Design compliance check should be carried out by project design team. BIM model compliance check covers mainly the modelling standard being in compliance with this Manual. BIM compliance check should be carried out by project BIM team.

6.1.3 BIM compliance check should cover checking on the geometric and non-geometric information of a BIM model. It should include but not limited to the followings:-

(a) visual check to ensure model elements have been modelled adequately according to design intent and / or to delete / purge unused information / view for cleanness of BIM models;

(b) format of a BIM model such as software version and extension;

(c) naming convention such as model file naming and the corresponding folder structure;

(d) model coordinates and orientation such as grid, survey point and base point;

(e) colour scheme of model elements;

(f) interference check to eliminate clashes between model elements and / or to ensure provision of adequate clearance to facilitate maintenance;

(g) information shown on drawings generated from BIM models; and

(h) asset information compliance check to ensure the required attributes have been adequately inputted into the models. More details on asset information compliance check are covered in Chapter 7 of this Manual.

6.1.4 In addition, the BIM related documents such as the project BIM Execution Plan, clash reports, BIM model registration list should be checked regularly.

6.1.5 The following sets out the general procedures to control the data integrity and quality of BIM models in design and construction phases of a project.

6.1.5.1 Design Stage

(a) Project team should prepare the project BIM Execution Plan setting out the necessary BIM requirement before creating a BIM model;

(b) Project team should make reference to this Manual in creating a BIM model. Project team should consult and coordinate with O&M team and BIM Support Team on any changes to the agreed asset templates appended in this Manual at the start of creating a BIM model;

(c) Project team should conduct clash analysis and resolve clashes in coordination meetings to improve the quality of a BIM model. All changes made should be properly documented;

(d) Project team should generate 2D drawings from a BIM model to check if model elements have been modelled in accordance with design intent and in compliance with the requirement stipulated in the project BIM Execution Plan;

(e) Project team should generate COBie from a BIM model, particularly upon completion of design stage, to ensure the quality and completeness of asset information, complying with the project BIM Execution Plan and this Manual; and

(f) BIM Support Team may conduct audit on project BIM related issues regularly to ensure compliance with this Manual.

6.1.5.2 Construction Stage

(a) Project team should prepare the project BIM Execution Plan setting out the necessary BIM requirement before creating a BIM model;

(b) Project team should make reference to this Manual in creating / enhancing a BIM model. Project team should consult and coordinate with O&M team and DSD BIM Support Team on any changes to the agreed asset templates appended in this Manual at the start of creating / enhancing a BIM model;

(c) Project team should conduct clash analysis and resolve clashes in coordination meetings to improve the quality of a BIM model. All changes made should be properly recorded;

(d) Project team should generate 2D drawings from BIM models to check if model elements have been modelled in according with design intent or as-constructed condition, and in compliance with the requirement stipulated in the project BIM Execution Plan;

(e) Project team should generate COBie from a BIM model, particularly upon completion of construction stage, to ensure the quality and completeness of asset data, complying with the project BIM Execution Plan and this Manual;

(f) Project team should submit an as-built BIM model to facilitate the handover. An as-built BIM model can be verified by means of point cloud 3D laser scanning. The as-built BIM model should be checked and agreed by project team and O&M team

respectively;

(g) Project team should prepare the Sewage Treatment Operation and Maintenance Management Information System (STOMMIS) asset input templates from COBie (e.g. by contractor's customized software tool sets), and coordinate with O&M team to upload the asset information and document links onto the STOMMIS system; and

(h) DSD BIM Support Team may conduct audit on project BIM related issues regularly to ensure compliance with this Manual.

6.1.6 Examples of Model and Object checklist can be referred to **Appendix L**.

7. Construction Operations Building Information Exchange (COBie)

7.1 Definition of COBie

7.1.1 COBie is an acronym of Construction Operations Building Information Exchange. As its name implies, COBie is developed to transfer information between construction stage and O&M stage. It transforms predominantly non-graphic information to an universally accepted open format for migration into a central maintenance management system.

7.1.2 To enable an effective information exchange via COBie, it relies on:

(a) quality input of information in design and construction stages;

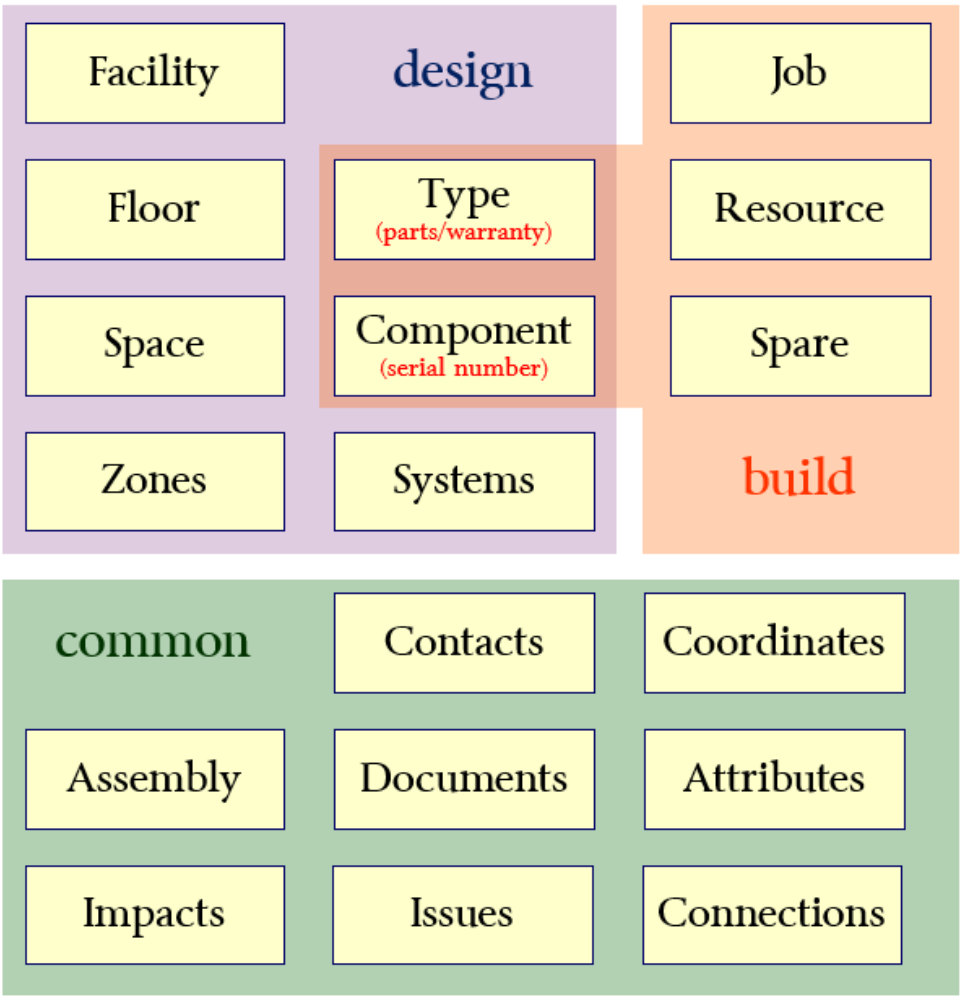
(b) timely update of information during the course of a project; and

(c) accurate mapping of asset-related information.

7.2 COBie Worksheet

7.2.1 COBie usually exists in the form of an excel file (.xlsx) exported from a BIM model which classifies project information in different categorized worksheets.

7.2.2 A COBie file contains twenty worksheets which can be separated into three main categories namely “design”, “build” and “common”. Two worksheets namely “Instruction” and “PickLists” are excluded from the schema shown below because they are for reference only. Project information should first be properly defined, inputted and updated directly in a BIM model before exporting COBie worksheets. Then, project information can be generated automatically in different categorized worksheets.



7.2.3 Key information contained in each worksheet is shown below:-

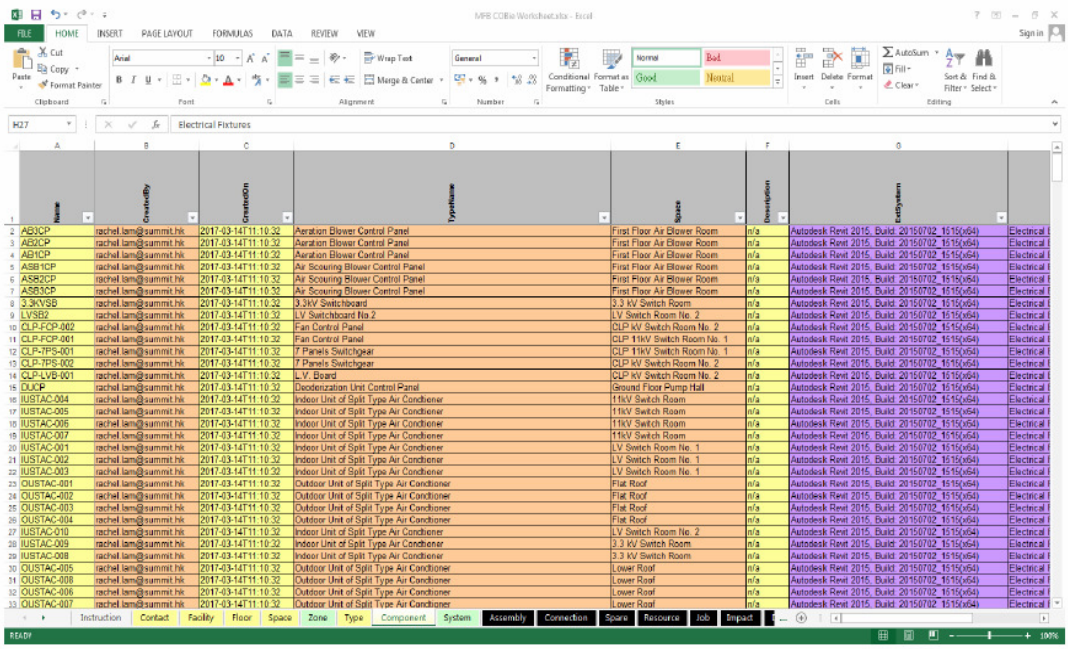
Worksheet	Key Content
Assembly	Constituents for Type, Component and others
Attributes	Properties of referenced item
Component	Individually named or scheduled item
Connections	Logical connections between component
Contacts	People and companies
Coordinates	Spatial locations in box, line, or point format
Documents	All applicable document references
Facility	Project, site and facility
Floor	Vertical levels and exterior areas
Impacts	Economic, environmental and social impacts at various stages of a project life cycle
Issues	Other issues remaining at handover
Job	Safety and other job plans

Resource	Required materials, tools, and training
Space	Spaces
Spare	Onsite and replacement parts
System	Sets of component providing a service
Type	Types of equipment, products, and materials
Zone	Sets of space sharing a specific attribute

7.3 COBie Colour Code

7.3.1 Each COBie worksheet contains specific content which may differ from one another but they share some common characteristics. COBie worksheets operate in columns, with parameters always shown in grey and columns coloured. The definition of different colour adopted in column is as follows:-

Color	Purpose
	Columns highlighted in yellow require filling of every entry
	Columns highlighted in orange represent reference to other entries. The information under these columns should have their own entries in other worksheets of the same COBie file
	Columns highlighted in purple are external reference. The information are automatically generated by software
	Columns highlighted in light green are optional. Users can choose to input information at their own judgment
	Columns highlighted in grey represent parameters which assist users to prepare data
	Column highlighted in black are not used



Name	CreatedBy	CreatedOn	TypeName	Space	Description	ExtSystem
AB3CP	rachel.lam@summit.hk	2017-03-14T11:10:32	Aeration Blower Control Panel	First Floor Air Blower Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
AB2CP	rachel.lam@summit.hk	2017-03-14T11:10:32	Aeration Blower Control Panel	First Floor Air Blower Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
AB1CP	rachel.lam@summit.hk	2017-03-14T11:10:32	Aeration Blower Control Panel	First Floor Air Blower Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
ASB1CP	rachel.lam@summit.hk	2017-03-14T11:10:32	Air Scouring Blower Control Panel	First Floor Air Blower Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
ASB2CP	rachel.lam@summit.hk	2017-03-14T11:10:32	Air Scouring Blower Control Panel	First Floor Air Blower Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
ASB3CP	rachel.lam@summit.hk	2017-03-14T11:10:32	Air Scouring Blower Control Panel	First Floor Air Blower Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
3.3KVSB	rachel.lam@summit.hk	2017-03-14T11:10:32	3.3kV Switchboard	3.3 kV Switch Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
LVSB2	rachel.lam@summit.hk	2017-03-14T11:10:32	LV Switchboard No.2	LV Switch Room No. 2	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
CLP-FCP-002	rachel.lam@summit.hk	2017-03-14T11:10:32	Fan Control Panel	CLP kV Switch Room No. 2	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
CLP-FCP-001	rachel.lam@summit.hk	2017-03-14T11:10:32	Fan Control Panel	CLP 11kV Switch Room No. 1	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
CLP-7PS-001	rachel.lam@summit.hk	2017-03-14T11:10:32	7 Panels Switchgear	CLP 11kV Switch Room No. 1	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
CLP-7PS-002	rachel.lam@summit.hk	2017-03-14T11:10:32	7 Panels Switchgear	CLP kV Switch Room No. 2	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
CLP-LVB-001	rachel.lam@summit.hk	2017-03-14T11:10:32	LV_Board	CLP kV Switch Room No. 2	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
DUCP	rachel.lam@summit.hk	2017-03-14T11:10:32	Deodorization Unit Control Panel	Ground Floor Pump Hall	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-004	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	11kV Switch Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-005	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	11kV Switch Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-006	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	11kV Switch Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-007	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	11kV Switch Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-001	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	LV Switch Room No. 1	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-002	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	LV Switch Room No. 1	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-003	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	LV Switch Room No. 1	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
OUSTAC-001	rachel.lam@summit.hk	2017-03-14T11:10:32	Outdoor Unit of Split Type Air Conditioner	Flat Roof	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
OUSTAC-002	rachel.lam@summit.hk	2017-03-14T11:10:32	Outdoor Unit of Split Type Air Conditioner	Flat Roof	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
OUSTAC-003	rachel.lam@summit.hk	2017-03-14T11:10:32	Outdoor Unit of Split Type Air Conditioner	Flat Roof	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
OUSTAC-004	rachel.lam@summit.hk	2017-03-14T11:10:32	Outdoor Unit of Split Type Air Conditioner	Flat Roof	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-010	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	LV Switch Room No. 2	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-009	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	3.3 kV Switch Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
IUSTAC-008	rachel.lam@summit.hk	2017-03-14T11:10:32	Indoor Unit of Split Type Air Conditioner	3.3 kV Switch Room	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
OUSTAC-005	rachel.lam@summit.hk	2017-03-14T11:10:32	Outdoor Unit of Split Type Air Conditioner	Lower Roof	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
OUSTAC-008	rachel.lam@summit.hk	2017-03-14T11:10:32	Outdoor Unit of Split Type Air Conditioner	Lower Roof	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
OUSTAC-006	rachel.lam@summit.hk	2017-03-14T11:10:32	Outdoor Unit of Split Type Air Conditioner	Lower Roof	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)
OUSTAC-007	rachel.lam@summit.hk	2017-03-14T11:10:32	Outdoor Unit of Split Type Air Conditioner	Lower Roof	n/a	Autodesk Revit 2015, Build: 20150702_1515(x64)

7.3.2 A sample of COBie worksheets are tabulated at **Appendix K** for reference.

7.4 COBie Mapping

7.4.1 Since COBie worksheet acts as an information carrier between BIM model and AM system, project information should be structured in a way to enable an efficient identification of the location of an equipment and understanding its relationship with other equipment. It is also necessary to facilitate mapping with asset management structure and hierarchy under ISO 55001.

7.4.2 In accordance with ISO 55001, the assets in DSD facilities are arranged in the following 5-level structure and hierarchy.

ISO 55001		COBie Sheets	Example
Asset hierarchy	**Asset Entity**		
1st level	Plant Name	Facility	Ma On Shan 108 SPS
2nd level	Site / Area	Floor, Space, Zone	Inlet Chamber
3rd level	Area / Main Equipment / System Name	System	Screen System
4th level	Main equipment / Sub equipment	Component, Attribute, Type	Mechanised Bar Screen
5th level	Sub-equipment	Assembly	Chain, rakes, gripper

DSD defines some systems for the 3rd level asset hierarchy in **Appendix I** and their corresponding system hierarchies in **Appendix M**.

7.4.3 Some BIM software in the market support OmniClass codes. OmniClass is useful for many applications, from organizing library materials, product literature, and project information, to providing a classification structure for electronic databases. It is intended to be the means for organizing, sorting, and retrieving information and deriving relational computer applications. In this connection, project data mapping with OminClass codes will therefore be required to facilitate the information exchange with existing AM system. Agreement should be sought from O&M team on the correctness of data mapping.

7.4.4 Products from OmniClass construction classification is applicable for assets and could be mapped with the built-in library in BIM software. The following examples illustrate the mapping for some typical assets of DSD (not an exclusive list):-

Item	Typical Asset	OmniClass Code
1.	Penstock	23-39 21 13 23 Penstocks and Sluice Gate
2.	Mechanised Bar Screen	23-39 33 11 13 Chain-and-Rage Bar Screens
3.	Gate Valve	23-27 31 25 Gate Valves
4.	Air Blower	23-33 31 13 Blowers
5.	Air Compressor	23-27 21 00 Compressors
6.	Boiler	23-33 11 00 Commercial Boilers
7.	Electric Chain Hoist	23-23 17 27 13 13 Electric Trolley Hoists
8.	Actuator	23-27 33 11 Electrical Valve Actuators
9.	Submersible Pump	23-27 17 00 Pumps
10.	Diesel Generator Set	23-35 11 15 11 Diesel Generator Sets
11.	LV Switchboard	23-35 31 29 Switchboards
12.	Transformer	23-35 13 00 Transformers
13.	Variable Speed Drive	23-27 35 00 Variable Speed Drives
14.	Axial Fan	23-33 31 19 11 Axial Fans
15.	Fire Extinguisher	23-29 25 19 Fire Extinguishers
16.	Lighting Fitting	23-35 47 00 Electrical Lighting
17	Electromagnetic Flowmeter	23-27 11 15 Flow Measuring Instrument And Controls
18	Ultrasonic Level Sensor	23-27 11 21 23 Level Sensors
19	Columns	23-13 35 11 13 11 Columns
20	Beams	23-13 35 11 13 13 Beams
21	Doors	23-17 11 00 Doors
22	Windows	23-17 13 00 Windows

7.4.5 Project information particularly the asset information embedded in a BIM model should be updated consistently throughout the course of a project since the BIM model will not change visually in appearance if dimension-related information is not amended.

7.4.6 Due to the sheer number of information, it takes time to examine all COBie worksheets. Project BIM team should perform regularly check during the course of a project to verify the basic competence of a COBie file. The following areas should be paid attention to:-

(a) avoid any missing entry in any yellow column since yellow columns require filling of every entry; if unavailable, the entry should at least be filled with n/a;

(b) floor(s) and space(s) that are not in use but export in the “Floor” and “Space” worksheets;

(c) the number of component in the “Component” worksheet should tally with the number of instances;

(d) check for any redundant entries in the “Attribute” worksheet;

(e) in “Type” worksheet, name column should be unique and incorporated with the object name, category column should be classified by OmniClass;

(f) in “Component” worksheet, the name column should be equal to the DSD asset code, the space column should be mandatory and should not be filled with n/a, it used to locate the element in the AM system; and;

(g) all required DSD attributes for AM system should be inputted in the “Attribute” worksheet.

7.5 COBie Export for Asset Management

Existing AM System (STOMMIS)

7.5.1 STOMMIS system serves to be a central information repository to facilitate the retrieval, analysis, management and storage of operational and maintenance information from various systems including Computerized Maintenance & Management System (CMMS), Laboratory Information Management System (LIMS), Supervisory Control & Data Acquisition Systems (SCADA) repositories and Government Financial and Management Information System (GFMIS). Of the MMS packages in support of O&M activities, Avantis PRO and Maximo are the major systems to initiate work orders for preventive and corrective maintenance. The following lists the major MMS operation and servers:

Regional Control Centre	CMMS Server
Shatin	Maximo
Shek Wu Hui	
Yuen Long	
Sham Tsang	
Tai Po	
Sai Kung	
Wan Chai East	
Siu Ho Wan	
Stanley	
Laboratory	
Stonecutters Island	

Data integration using COBie

7.5.2 For the avoidance of doubt, COBie should be adopted as a short term measure for transferring information from BIM to AM / FM system. While newer versions of CMMSs support the direct integration of BIM via COBie data drop, older versions of CMMSs will require the use of Application Programming Interface (API).

API can be programmed and embedded in a BIM software to filter, map and export the asset information. Alternatively, a BIM software can export available asset information into a COBie file, APIs can then be programmed to filter, map and export these asset information.

8. Reference

1. CIC Building Information Modelling Standards (ver. 2021)

2. CIC Production of BIM Object Guide - General Requirements (ver. 2021)

3. DSD CAD Manual (Version 05.1.01)

4. DSD Drawing Office Procedure Manual (DOPM) (Revision M)

   ~~HKIBIM BIM Project Specification (Rev 3.0)~~

~~5.~~ DSD BIM Strategy Report ~~BIM Execution Plan, Sample Consultancy Brief and Construction Specification prepared for DSD~~

6. DEVB BIM Harmonisation Guidelines for WDs v1.0 (Oct 2021)

7. Parts 1 and 2 (2018 version) of BS EN ISO 19650 (ISO 19650): to adopt a common approach for collaborative production of information and information exchange requirements

9. Appendices

Appendix A - Acronyms and Abbreviations

Appendix B - District Code

Appendix C - Folder Structure

Appendix D - Feature Code

Appendix E - Model File Naming

Appendix F - Object File Naming and Object Sheet

Appendix G - DSD CAT CODE and DSD SUB-CAT CODE

Appendix H - Attribute Table and DSD Asset Code Naming

Appendix I - Space / Room Code and E&M System / Grid Code

Appendix J - LOD Specification

Appendix K - COBie Sample Worksheets

Appendix L - Model and Object Checklist

Appendix M - DSD System Hierarchy (For reference only)

Appendix A

Acronyms and Abbreviations

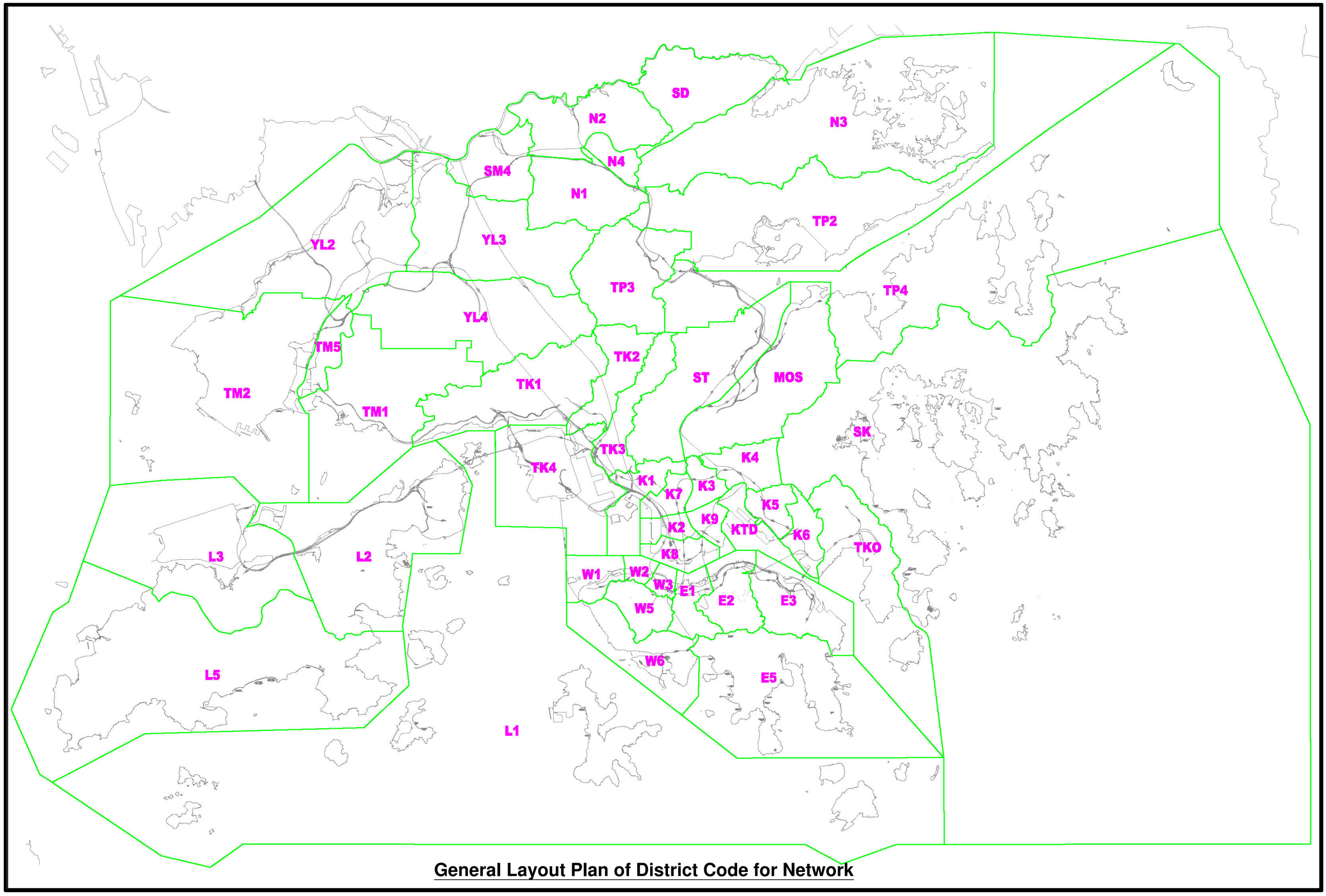
Appendix A: Acronyms and Abbreviations

AM	Asset Management
API	Application Programming Interface
ARCs	Agent Responsible Codes
BCM	Buildings Civil Maintenance
BIM	Building Information Modelling
CAD	Computer Aided Drafting
CDE	Common Data Environment
CMMS	Computerized Maintenance & Management System
COBie	Construction Operations Building Information Exchange
CSWP	Computer-Aided Drafting Standard for Works Projects
DEVB	Development Bureau
DOPM	Drawing Office Procedural Manual
DSD	Drainage Services Department
E&M	Electrical and Mechanical
E&MPD	Electrical and Mechanical Projects Division
FM	Facility Management
GFMIS	Government Financial and Management Information System
HKCIC	Hong Kong Construction Industry Council
HKPD	Hong Kong Principal Datum
IFC	Industry Foundation Class
ITMU	Information Technology Management Unit
HATS	Harbour Area Treatment Scheme
LIMS	Laboratory Information Management System
LOD-I	Level of Development – Information

LOD-G	Level of Development – Geometry
O&M	Operation and Maintenance
OmniClass	OmniClass Construction Classification
SCADA	Supervisory Control & Data Acquisition
STOMMIS	Sewage Treatment Operation and Maintenance Management Information System
STD1	Sewerage Treatment Division 1
STD2	Sewerage Treatment Division 2
T&C	Testing and Commissioning
WIP	Work-in-progress

Appendix B

District Code



General Layout Plan of District Code for Network

District Code for Network

Location	Responsible Division	District Code
Hong Kong and Island	HK&ID	W1
		W2
		W3
		W5
		W6
		E1
		E2
		E3
		E5
		L1
		L2
		L3
		L5
Kowloon	MSD	K1
		K2
		K3
		K4
		K5
		K6
		K7
		K8
		K9
		KTD
New Territories	MND	TK1
		TK2
		TK3
		TK4
		TKO
		SK
		MOS

Location	Responsible Division	District Code
New Territories	MND	TM1
		TM2
		TM5
		YL2
		YL3
		YL4
		SM4
		N1
		N2
		N3
		N4
		SD
		TP2
		TP3
		TP4

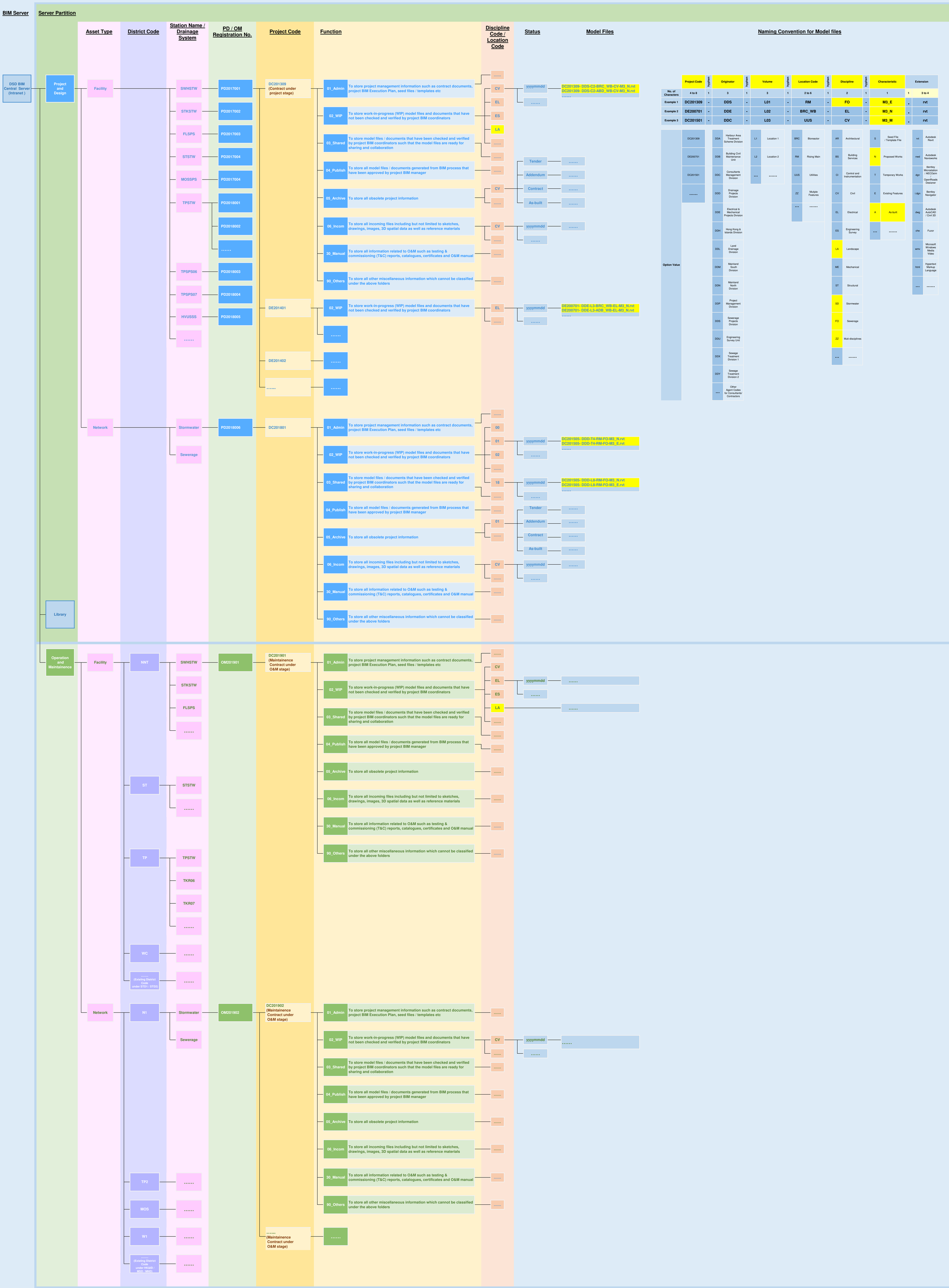
District Code for Facility

Location	Responsible Division	District	District Code
Hong Kong and Island	STD2	Central & Western	CW
	STD2	Eastern	E
	STD2	Southern	S
	STD2	Wan Chai	WC
Kowloon	STD2	Kowloon City	KC
	STD2	Kwun Tong	KT
	STD2	Sham Shui Po	SSP
	STD2	Wong Tai Sin	WTS
	STD2	Yau Tsim Mong	YTM
New Territories	STD2	Islands	I
	STD2	Kwai Tsing	KWT
	STD1	North New Territories	NNT
	STD1	Sai Kung	SK
	STD1	Sha Tin	ST
	STD1	Tai Po	TP
	STD2	Tsuen Wan	TW
	STD1	Sham Tseng and Tuen Mun	SmT_TM
	STD1	Yuen Long and North West Territories	YL_NWNT

Appendix C

Folder Structure

Folder Structure



Appendix D

Feature Code

Feature Code

Feature	Code
Activated Sludge Pumping Station	ASPS
Administration Building	AB
Aerobic Tank	AET
Anaerobic Tank	ANT
Anoxic Tank	AXT
Bioreactor	BRC
Box Culvert	BOC
Car Park	CAP
Channel	CHL
Chemical Enhanced Primary Treatment Works	CEPT
Chemical Waste Store	CWS
Coarse Screen Facility	CSF
Detritor	DTR
Drainage Tunnel	DUN
Dry Weather Flow Interceptor	DWFI
Effluent Pumping Station	EPS
Engineering Survey Products	ESP
Final Sedimentation Tank	FST
Fine Screen Facility	FSF
Grit Trap Facility	GTF
Inlet Pumping Station	IPS
Maintenance Access	MAS
Major Secondary Treatment Works	MAST
Minor Secondary Treatment Works	MIST
Miscellaneous	MIS
Moving Bed Biofilm Reactor	MBBR
Multiple Features	ZZ
Non-specific location	XX
NullahNULPipe Bridge	PPB
Preliminary / Screening Treatment Works	PSTW
Primary Sedimentation Tank	PST
Primary Treatment Works	PTW
Pump House	PUH
Reverse Osmosis Facility	ROF

Rising Main	RM
Secondary Sedimentation Tank	SST
Sewage Pumping Station	SPS
Sewage Tunnel	SUN
Sludge Consolidation Tank	SCT
Sludge Dewatering House	SDH
Sludge Digester	SDR
Sludge Pumping Station	SLPS
Sludge Thickening House	STH
Solar PV Farm	SPV
Storage Area	SAA
Storage Tank	STT
Stormwater Pumping Station	SmPS
Submarine Outfall	SBO
Terrain	TER
Tertiary Treatment Works	TTW
Transformer Room	TMR
Trickling Filter	TFR
Utilities	UUS
UV disinfection facility	UVF
Water Rehabilitation System	WRS
Water Sampling House	WSH

Appendix E

Model File Naming

Example 1:

Project Code	Originator	Volume/ System	Location/ Sub-location	Discipline	Characteristic			
DC201309	DDS	C2	BRC_WB	ZZ	M3_N			
Remarks:								

File Name - DC201309- DDS-C2-BRC_WB-ZZ-M3_N.rvt

DC201309 - The model file is prepared under Contract No. DC/2013/09 - Advance Works for Shek Wu Hui Sewage Treatment Works - Further Expansion Phase 1A and Sewerage Works at Ping Che Road

DDS - The model file is prepared by Sewerage Projects Division

C2 - The model file indicate specific geospatial zone or volume C2

BRC - The model file is about bioreactor

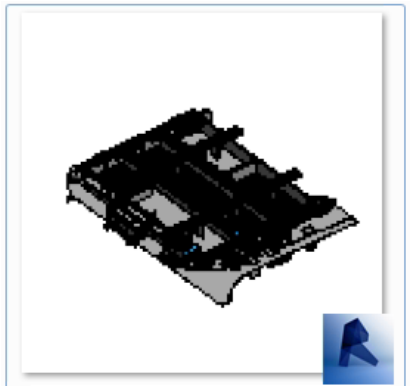
WB - The model file covers the whole feature

ZZ - The model file is related to multi-disciplines

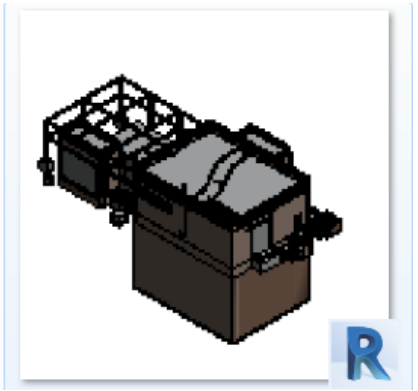
M3 - The model type is 3D model

N – The model file belongs to proposed works

Image of model file –



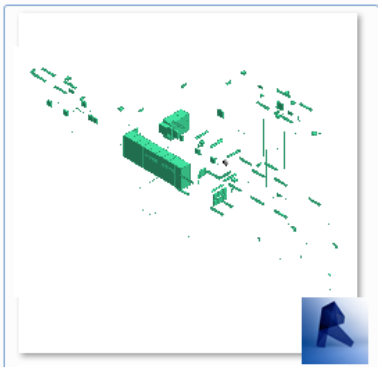
Example 2a:

Project Code	Originator	Volume/ System	Location/ Sub-location	Discipline	Characteristic			
DC200616	DDS	C2	SPS_WB	CV	M3_N			
Remarks:								
File Name - DC201309- DDS-C2-SPS_WB-CV-M3_N.rvt DC200616 - The model file is prepared under Contract No. DC/2006/16 - Improvement Works for Ma On Shan Area 108 Sewage Pumping Station and Sewerage along Che Kung Miu Road, Shatin DDS - The model file is prepared by Sewerage Projects Division C2 - The model file indicate specific geospatial zone or volume C2 SPS - The model file is about Sewage Pumping Station WB - The model file covers the whole feature CV - The model file is related to civil discipline M3 - The model type is 3D model N – The model file belongs to proposed works							Image of model file – 	

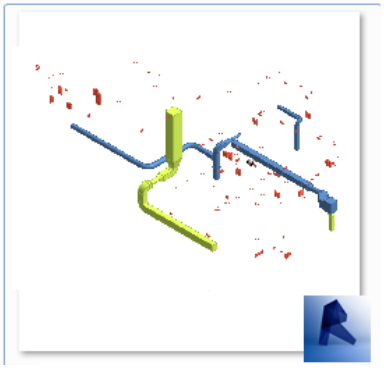
Example 2b:

Project Code	Originator	Volume/ System	Location/ Sub-location	Discipline	Characteristic			
DE200701	DDE	L3	SPS_WB	ME	M3_N			
Remarks:								
File Name - DE200701- DDE-C2-SPS_WB-ME-M3_N.rvt DDE - The model file is prepared by Electrical and Mechanical Projects Division DE200701 - The model file is prepared under Contract No. DE/2007/01 - Supply and Installation of Electrical and Mechanical Equipment for Ma On Shan Area 108 Sewage Pumping Station and Ma On Shan Sewage Pumping Station L3 - The model file indicate specific geospatial zone or volume L3 SPS - The model file is about Sewage Pumping Station WB - The model file covers the whole building ME - The model file is related to mechanical discipline M3 - The model type is 3D model N – The model file belongs to proposed works							Image of model file –	

Example 2c:

Project Code	Originator	Volume/ System	Location/ Sub-location	Discipline	Characteristic			
DE200701	DDE	L3	SPS_WB	EL	M3_N			
Remarks:								
File Name - DE200701- DDE-L3-SPS_WB-EL-M3_N.rvt DE200701 - The model file is prepared under Contract No. DE/2007/01 - Supply and Installation of Electrical and Mechanical Equipment for Ma On Shan Area 108 Sewage Pumping Station and Ma On Shan Sewage Pumping Station DDE - The model file is prepared by Electrical and Mechanical Projects Division L3 - The model file indicate specific geospatial zone or volume L3 SPS - The model file is about Sewage Pumping Station WB - The model file covers the whole building EL - The model file is related to electrical discipline M3 - The model type is 3D model N – The model file belongs to proposed works							Image of model file – 	

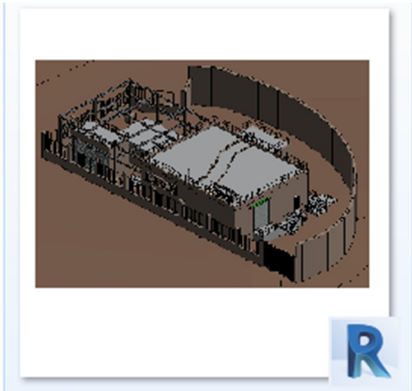
Example 2d:

Project Code	Originator	Volume/ System	Location/ Sub-location	Discipline	Characteristic			
DE200701	DDE	L3	SPS_WB	BS	M3_N			
Remarks:								
File Name - DE200701- DDE-L3-SPS_WB-BS-M3_N.rvt DE200701 - The model file is prepared under Contract No. DE/2007/01 - Supply and Installation of Electrical and Mechanical Equipment for Ma On Shan Area 108 Sewage Pumping Station and Ma On Shan Sewage Pumping Station DDE - The model file is prepared by Electrical and Mechanical Projects Division L3 - The model file indicate specific geospatial zone or volume L3 SPS - The model file is about Sewage Pumping Station WB - The model file covers the whole building *BS - The model file is related to building services discipline* M3 - The model type is 3D model N – The model file belongs to proposed works							Image of model file – 	

Example 2e:

Project Code	Originator	Volume/ System	Location/ Sub-location	Discipline	Characteristic			
DE200701	DDE	L3	SPS_WB	CI	M3_N			
Remarks:								
File Name - DE200701- DDE-L3-SPS_WB-CI-M3_N.rvt DE200701 - The model file is prepared under Contract No. DE/2007/01 - Supply and Installation of Electrical and Mechanical Equipment for Ma On Shan Area 108 Sewage Pumping Station and Ma On Shan Sewage Pumping Station DDE - The model file is prepared by Electrical and Mechanical Projects Division L3 - The model file indicate specific geospatial zone or volume L3 SPS - The model file is about Sewage Pumping Station WB - The model file covers the whole building CI - The model file is related to control and instrumentation discipline M3 - The model type is 3D model N – The model file belongs to proposed works							Image of model file –	

Example 2f:

Project Code	Originator	Volume/ System	Location/ Sub-location	Discipline	Characteristic			
DC200616	DDS	T4	SPS_WB	ZZ	M3_A			
Remarks:								
File Name - DC200616- DDS-T4-SPS_WB-CI-M3_N.rvt DE200701 - The model file is prepared under Contract No. DE/2007/01 - Supply and Installation of Electrical and Mechanical Equipment for Ma On Shan Area 108 Sewage Pumping Station and Ma On Shan Sewage Pumping Station DDE - The model file is prepared by Electrical and Mechanical Projects Division T4 - The model file indicate specific geospatial zone or volume T4 SPS - The model file is about Sewage Pumping Station WB - The model file covers the whole building ZZ - The model file is related to building services, civil, control and instrumentation, electrical, mechanical and structural discipline M3 - The model type is 3D model A – The model file belongs to As-built works							Image of model file – 	

Appendix F

Object File Naming and Object Sheet

渠務署
Drainage Services Department

BIM OBJECT SHEET

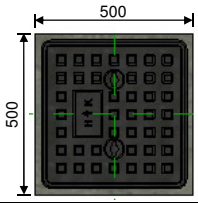
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0001
	DATE 11-2018	
	REVISION 0	

INPUT

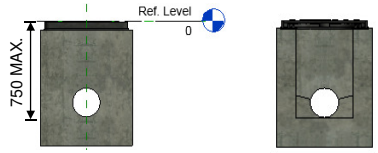
Object Name **FMH-A__-DSD-CONC-B0**

CATEGORY **Generic Models**

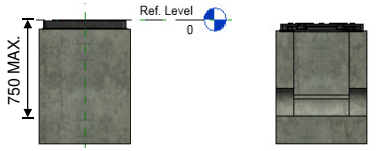
LOD-G **300**



PLAN

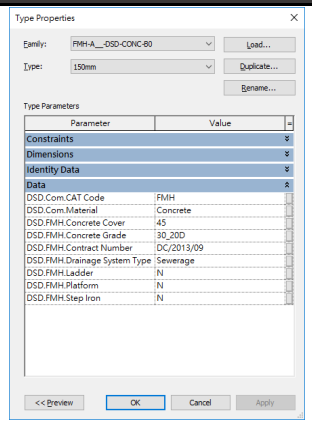


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

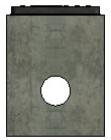
Tag_FMH

FMH0001
Type A

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1001)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0001	Type A	-0.750	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

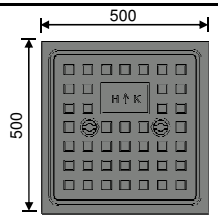
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0001
	REVISION 0	

INPUT

Object Name **FMH-A__-DSD-CONC-B0**

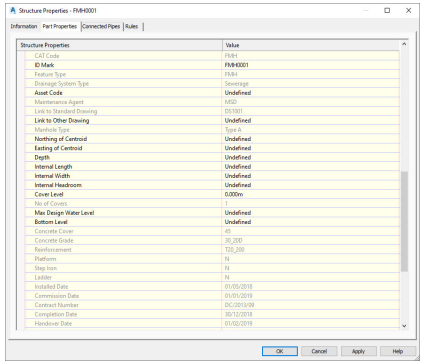
CATEGORY **Metric Structures**

LOD-G **200**

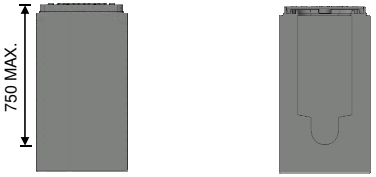


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0001
FMH-A__-DSD-CONC-B0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1001)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0001	Type A	-0.750	0.000

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Drainage Services Department

BIM OBJECT SHEET

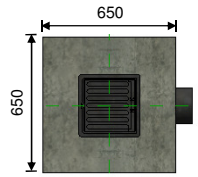
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0002
	DATE 11-2018	
	REVISION 0	

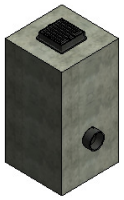
INPUT

Object Name **FMH-B__-DSD-CONC-B0**

CATEGORY **Generic Models**

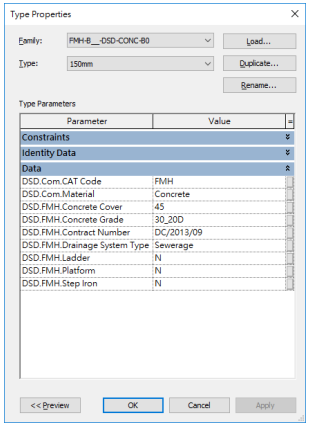
LOD-G **300**





PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0002
Type B

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1002)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0002	Type B	-0.750	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0002
	REVISION 0	

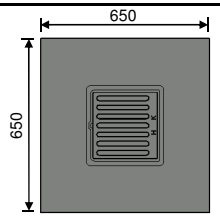
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

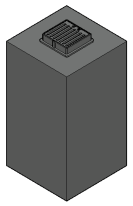
INPUT

Object Name **FMH-B__-DSD-CONC-B0**

CATEGORY **Metric Structures**

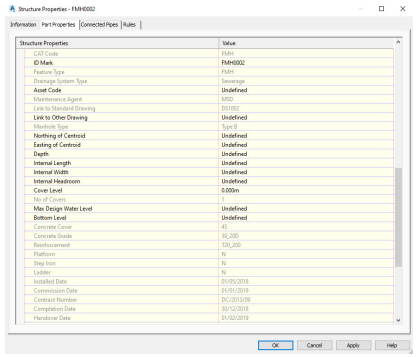
LOD-G **200**





PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0002
FMH-B__-DSD-CONC-B0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1002)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0002	Type B	-0.750	0.000

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Drainage Services Department

BIM OBJECT SHEET

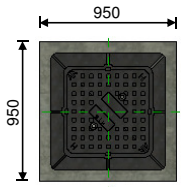
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0003
	DATE 11-2018	
	REVISION 0	

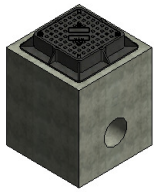
INPUT

Object Name **FMH-C__-DSD-CONC-C0**

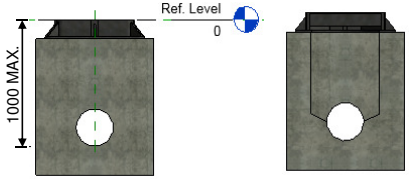
CATEGORY **Generic Models**

LOD-G **300**

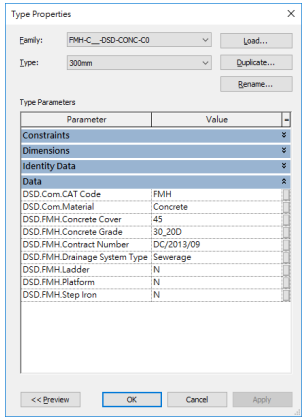




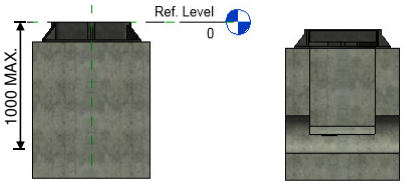
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

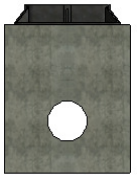
Tag_FMH

FMH0003
Type C

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1003)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0003	Type C	-1.000	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

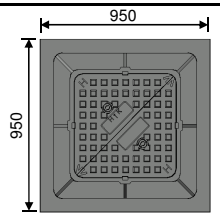
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0003
	DATE: 07-2020	
	REVISION: 0	

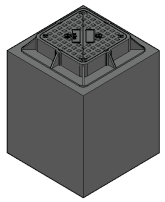
INPUT

Object Name **FMH-C__-DSD-CONC-C0**

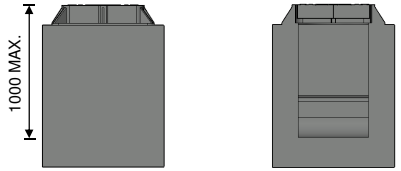
CATEGORY: **Metric Structures**

LOD-G: **200**

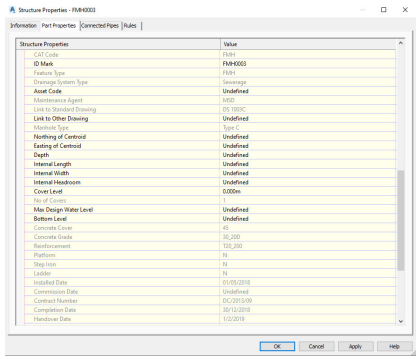




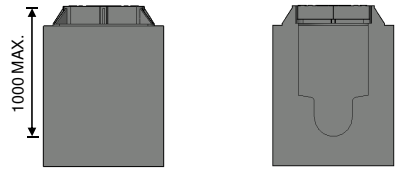
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

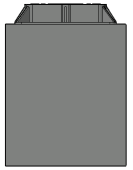
Tag_FMH

FMH0003
FMH-C__-DSD-CONC-C0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1003)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0003	Type C	-1.000	0.000

渠務署
Drainage Services Department

BIM OBJECT SHEET

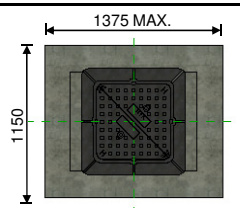
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE	DSD-OS-0004
	11-2018	
	REVISION	
	0	

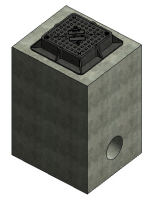
INPUT

Object Name **FMH-D__-DSD-CONC-C0**

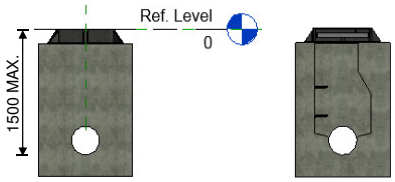
CATEGORY **Generic Models**

LOD-G **300**

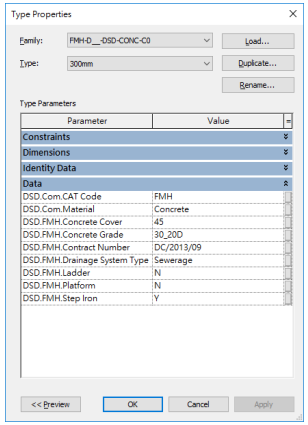




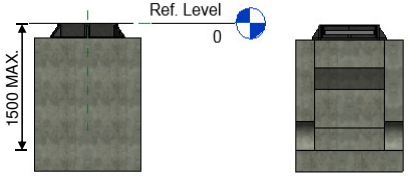
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

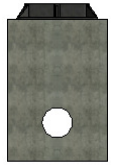
Tag_FMH

FMH0004
Type D

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1004)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0004	Type D	-1.500	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

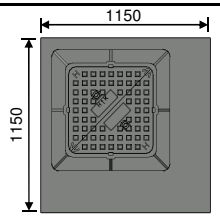
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0004
	DATE: 07-2020	
	REVISION: 0	

INPUT

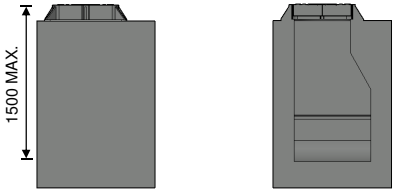
Object Name **FMH-D__-DSD-CONC-C0**

CATEGORY: **Metric Structures**

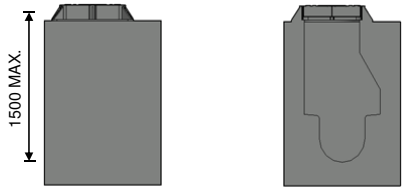
LOD-G: **200**



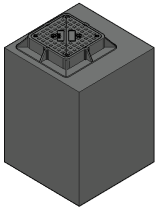
PLAN



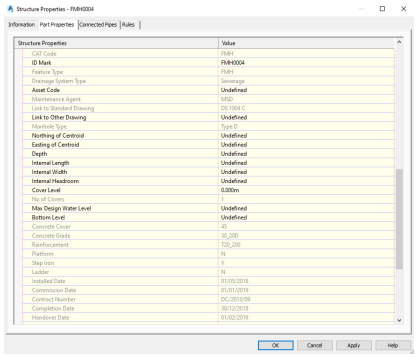
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0004
FMH-D__-DSD-CONC-C0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1004)	TENDER / CONSTRUCTION DRAWING
		SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0004	Type D	-1.500	0.000

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0005
	DATE 11-2018	
	REVISION 0	

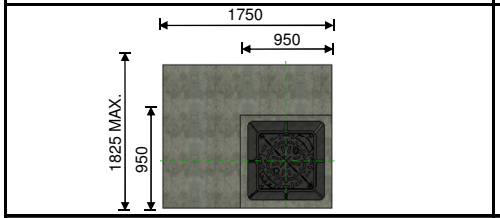
INPUT

Object Name **FMH-E__-DSD-CONC-E0**

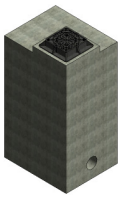
CATEGORY **Generic Models**

LOD-G **300**

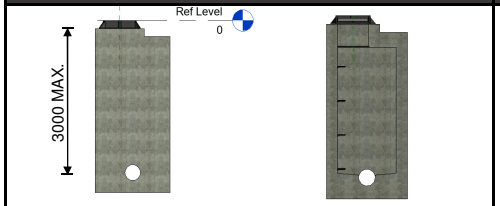
PLAN



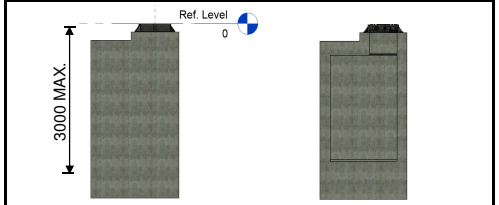
3D



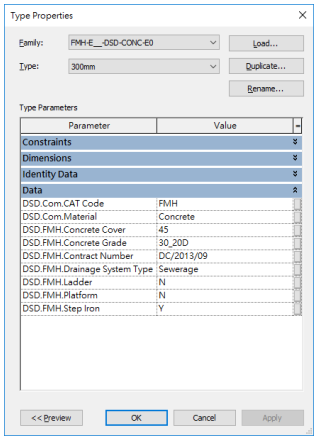
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0005
Type E

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1005)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0005	Type E	-3.000	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0005
	DATE: 07-2020	
	REVISION: 0	

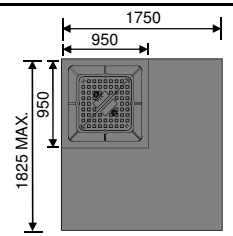
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

INPUT

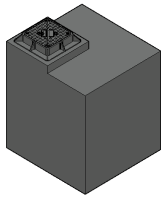
Object Name **FMH-E__-DSD-CONC-E0**

CATEGORY: **Metric Structures**

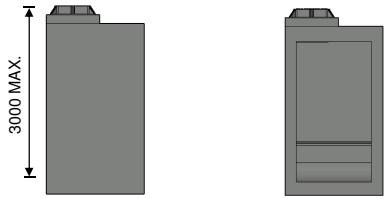
LOD-G: **200**



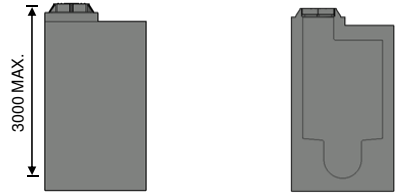
PLAN



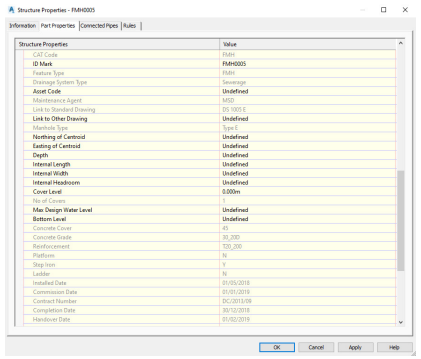
3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

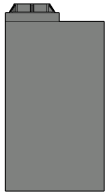
2D SYMBOL

Tag_FMH

FMH0005
FMH-E__-DSD-CONC-E0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1005)	TENDER / CONSTRUCTION DRAWING
		SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0005	Type E	-3.000	0.000

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Drainage Services Department

BIM OBJECT SHEET

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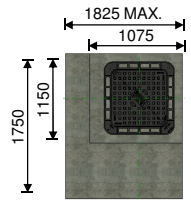
	REVISION	
	0	

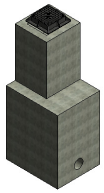
INPUT

Object Name **FMH-F__-DSD-CONC-E0**

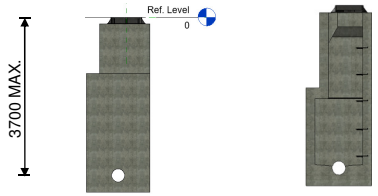
CATEGORY **Generic Models**

LOD-G **300**

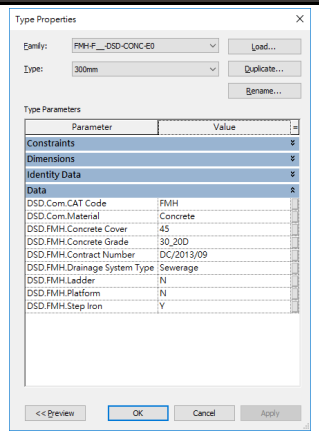




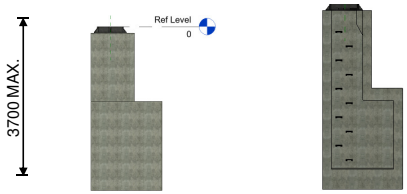
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0006
Type F

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1006)	TENDER / CONSTRUCTION DRAWING

<Manholes Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0006	Type F	-3.700	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0006
	DATE: 07-2020	
	REVISION: 0	

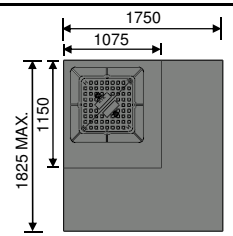
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

INPUT

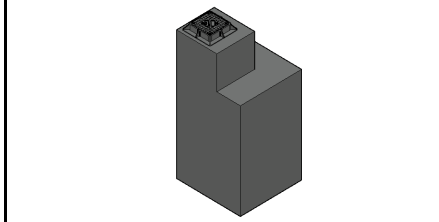
Object Name **FMH-F__-DSD-CONC-E0**

CATEGORY: **Metric Structures**

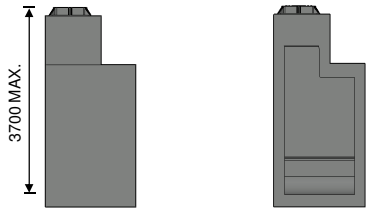
LOD-G: **200**



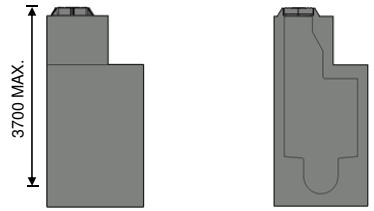
PLAN



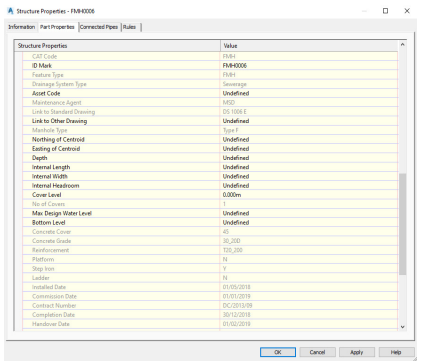
3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

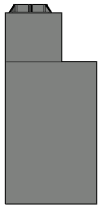
2D SYMBOL

Tag_FMH

FMH0006
FMH-F__-DSD-CONC-E0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1006)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0006	Type F	-3.700	0.000

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Drainage Services Department

BIM OBJECT SHEET

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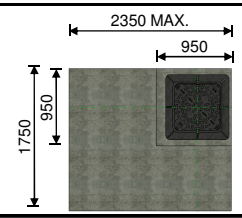
INPUT

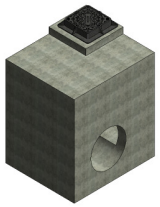
Object Name **FMH-G__-DSD-CONC-E0**

CATEGORY **Generic Models**

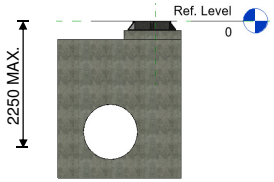
LOD-G **300**



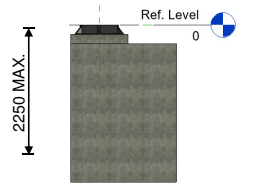
PLAN



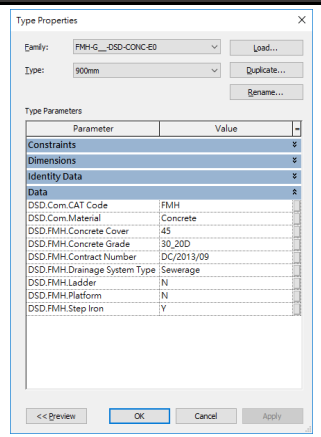
3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

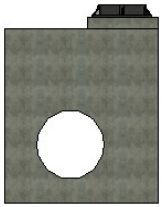
Tag_FMH

FMH0007
Type G

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1007)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0007	Type G	-2.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

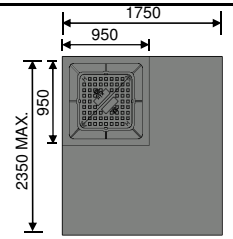
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0007
	REVISION 0	

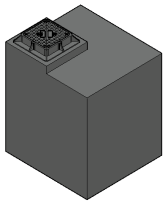
INPUT

Object Name **FMH-G__-DSD-CONC-E0**

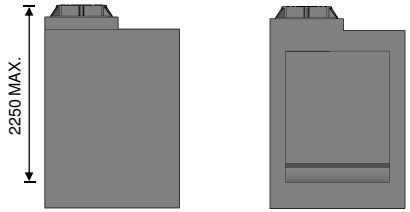
CATEGORY **Metric Structures**

LOD-G **200**

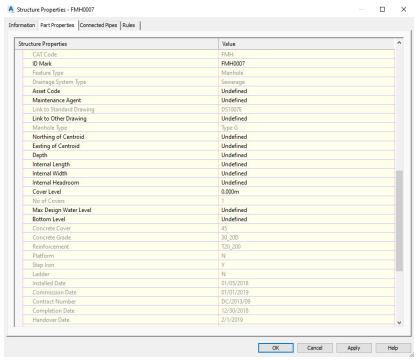




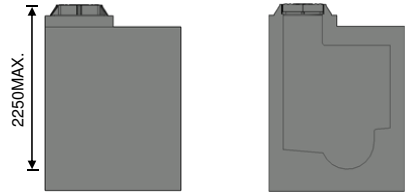
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

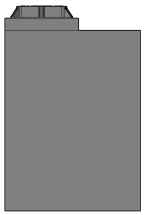
Tag_FMH

FMH0007
FMH-G__-DSD-CONC-E0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1007)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0007	Type G	-2.250	0.000

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BIM OBJECT SHEET

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	Civil3D 2018	
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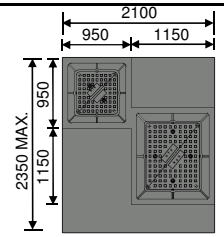
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

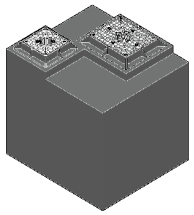
INPUT

Object Name **FMH-GD_-DSD-CONC-E0**

CATEGORY **Metric Structures**

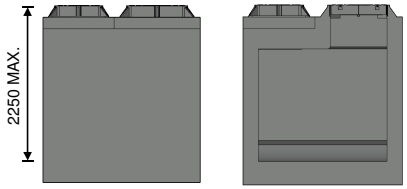
LOD-G **200**

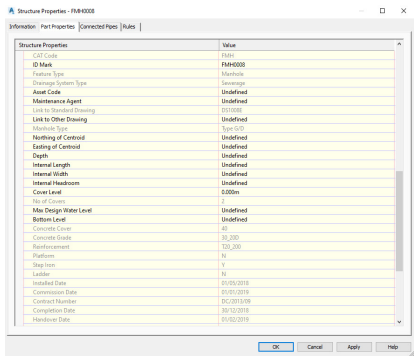




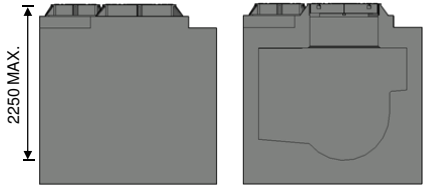
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

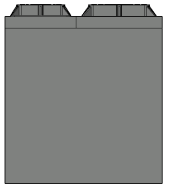
2D SYMBOL

Tag_FMH

FMH0008
FMH-GD_-DSD-CONC-E0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1008)	TENDER / CONSTRUCTION DRAWING
		SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0008	Type G/D	-2.250	0.000

渠務署
Drainage Services Department

BIM OBJECT SHEET

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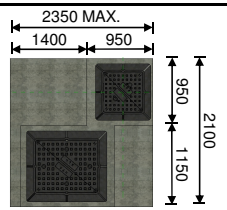
	REVISION 0	

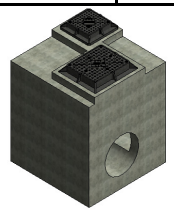
INPUT

Object Name **FMH-GD_-DSD-CONC-E0**

CATEGORY **Generic Models**

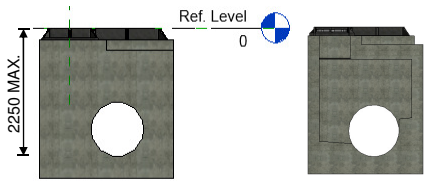
LOD-G **300**

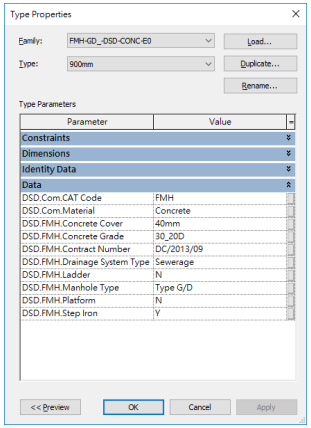




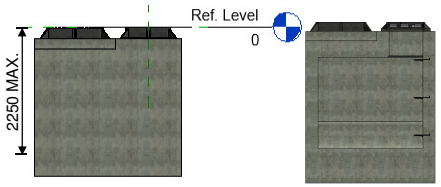
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

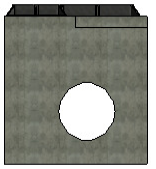
Tag_FMH

FMH0008
Type G/D

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1008)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0008	Type G/D	-2.250	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

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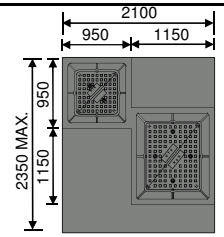
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

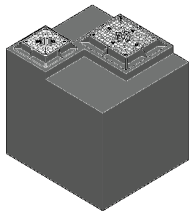
INPUT

Object Name **FMH-GD_-DSD-CONC-E0**

CATEGORY **Metric Structures**

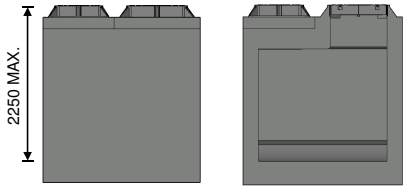
LOD-G **200**

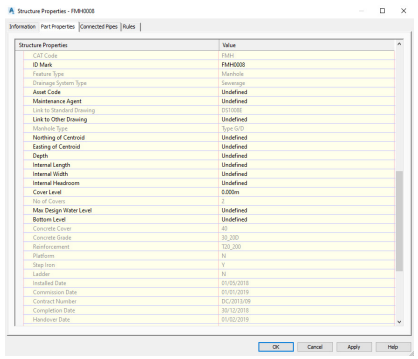




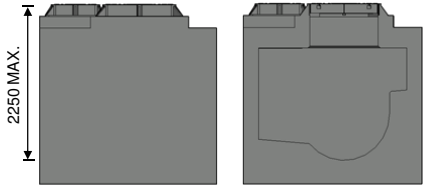
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

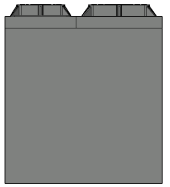
2D SYMBOL

Tag_FMH

FMH0008
FMH-GD_-DSD-CONC-E0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1008)	TENDER / CONSTRUCTION DRAWING
		SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0008	Type G/D	-2.250	0.000

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Drainage Services Department

BIM OBJECT SHEET

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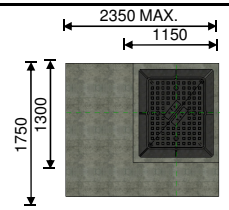
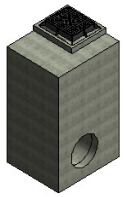
INPUT

Object Name **FMH-H__-DSD-CONC-D0**

CATEGORY **Generic Models**

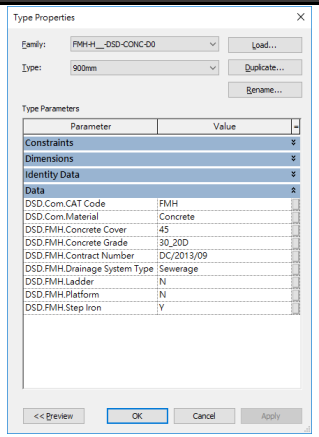
LOD-G **300**



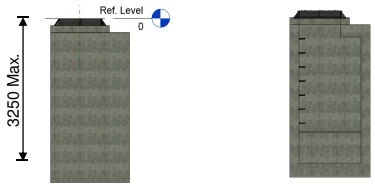


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

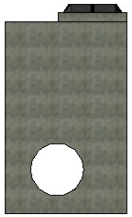
Tag_FMH

FMH0009
Type H

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1009)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0009	Type H	-3.250	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

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	DATE: 07-2020	
	REVISION: 0	

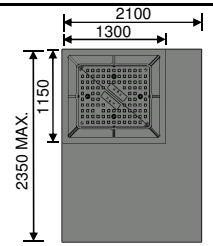
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

INPUT

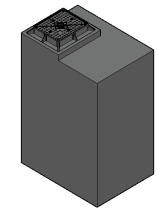
Object Name **FMH-H__-DSD-CONC-D0**

CATEGORY: **Metric Structures**

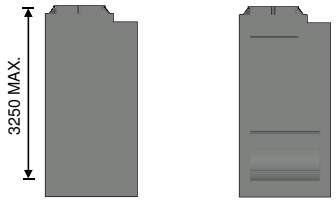
LOD-G: **200**



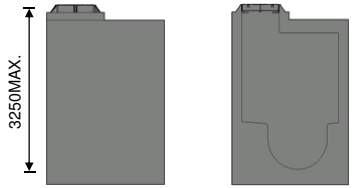
PLAN



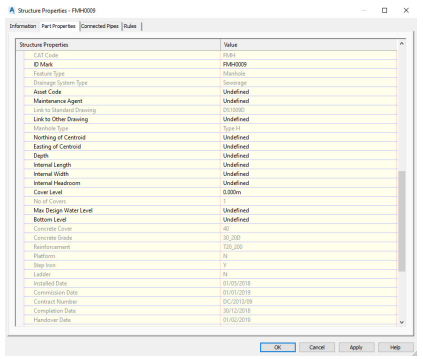
3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

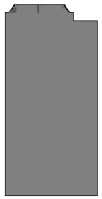
2D SYMBOL

Tag_FMH

FMH0009
FMH-H__-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1009)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0009	Type H	-3.250	0.000

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Drainage Services Department

BIM OBJECT SHEET

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	DATE 11-2018	DSD-OS-0010
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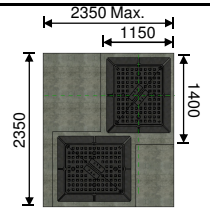
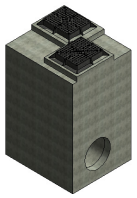
INPUT

Object Name **FMH-HD_-DSD-CONC-D0**

CATEGORY **Generic Models**

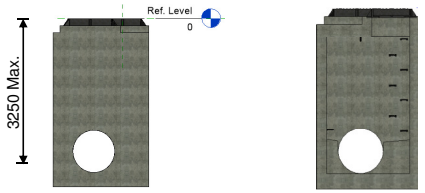
LOD-G **300**

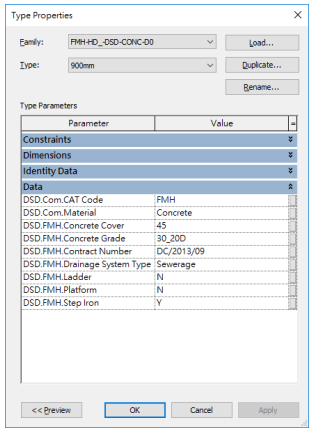




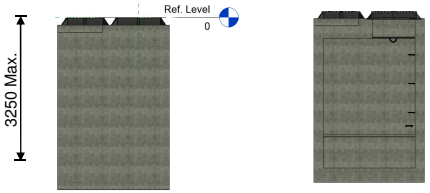
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

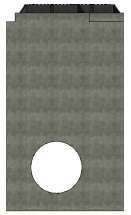
Tag_FMH

FMH0010
Type H/D

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1010)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0010	Type H/D	-3.250	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

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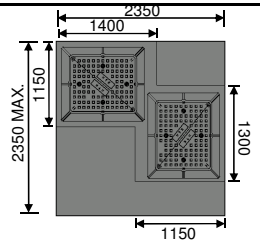
	DATE: 07-2020	
	REVISION: 0	

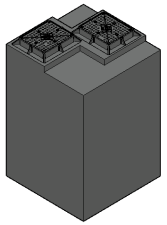
INPUT

Object Name **FMH-HD_-DSD-CONC-D0**

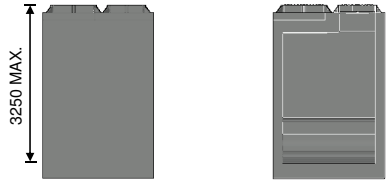
CATEGORY: **Metric Structures**

LOD-G: **200**

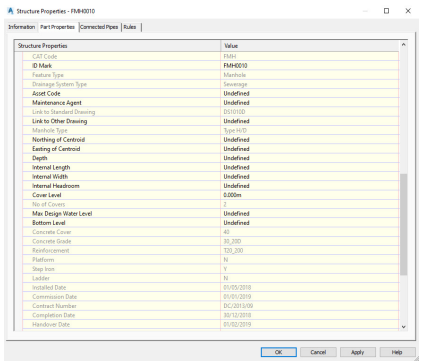




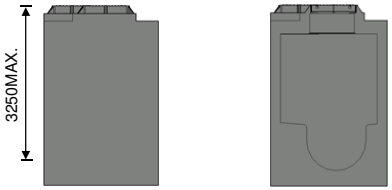
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

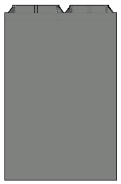
Tag_FMH

FMH0010
FMH-HD_-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1010)	TENDER / CONSTRUCTION DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0010	Type H/D	-3.250	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

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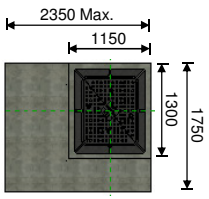
	DATE 11-2018	
	REVISION 0	

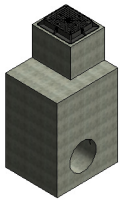
INPUT

Object Name **FMH-I__-DSD-CONC-D0**

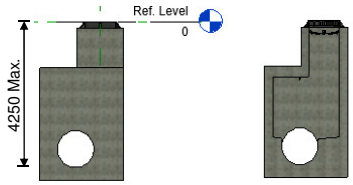
CATEGORY **Generic Models**

LOD-G **300**

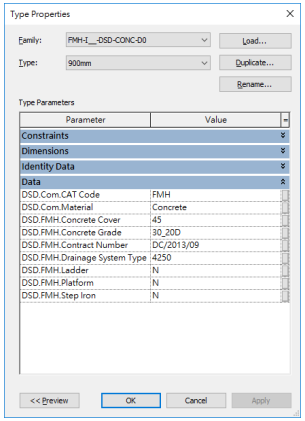




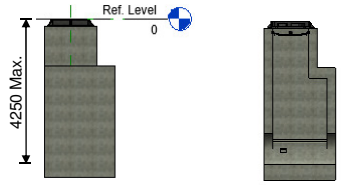
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

FMH_TYPEI_SEWMH

2D SYMBOL

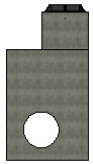
FMH_TYPEI_SEWMH_TAG

FMH0011
Type I

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1011)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH1011	Type I	-4.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

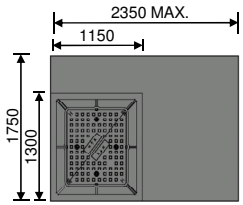
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0011
	REVISION 0	

INPUT

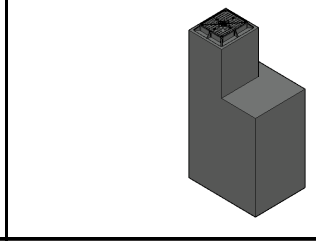
Object Name **FMH-I__-DSD-CONC-D0**

CATEGORY **Metric Structures**

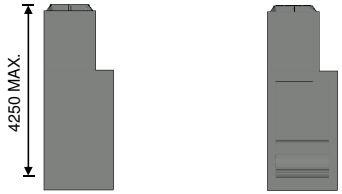
LOD-G **200**



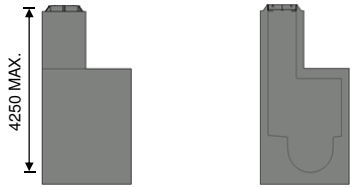
PLAN

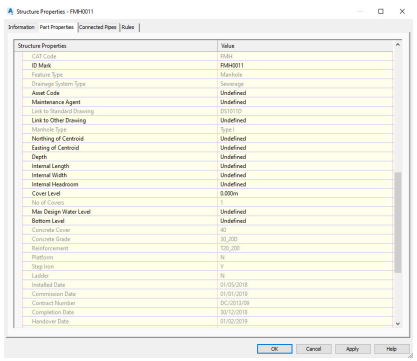


3D



FRONT ELEVATION / SECTION





SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

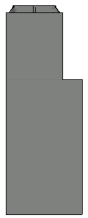
Tag_FMH

FMH0011
FMH-I__-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1011)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0011	Type I	-4.250	0.000

渠務署
Drainage Services Department

BIM OBJECT SHEET

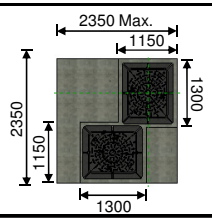
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0012
	REVISION 0	

INPUT

Object Name **FMH-ID_-DSD-CONC-D0**

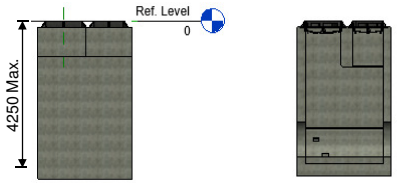
CATEGORY **Generic Models**

LOD-G **300**



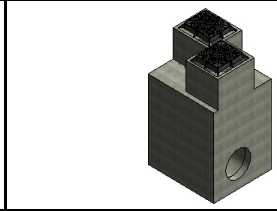
PLAN

FRONT ELEVATION / SECTION

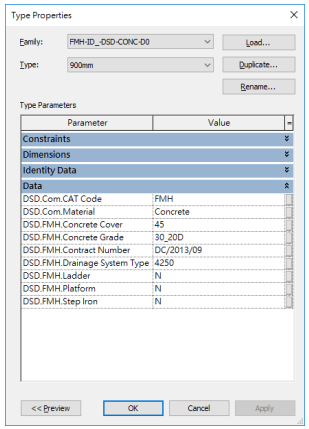


SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_FMH

2D SYMBOL

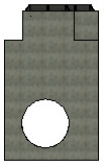
Tag_FMH

FMH0012
Type I/D

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1012)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH1012	Type I/D	-4.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0012
	DATE: 07-2020	
	REVISION: 0	

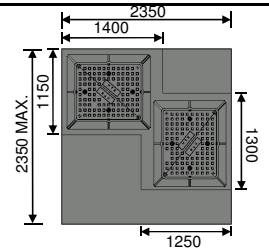
INPUT

Object Name **FMH-ID_-DSD-CONC-D0**

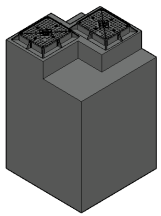
CATEGORY: **Metric Structures**

LOD-G: **200**

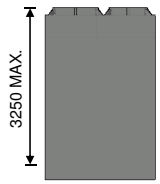
PLAN

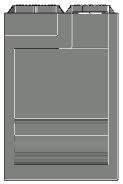


3D

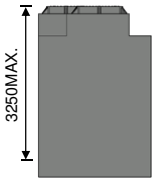


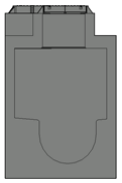
FRONT ELEVATION / SECTION



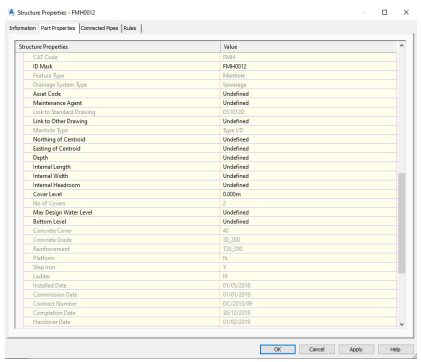


SIDE ELEVATION / SECTION





FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_FMH

2D SYMBOL

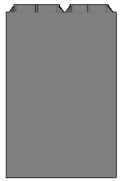
Tag_FMH

FMH0012
FMH-ID_-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1012)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0012	Type I/D	-3.250	0.000

渠務署
Drainage Services Department

BIM OBJECT SHEET

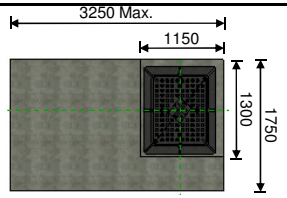
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0013
	DATE 11-2018	
	REVISION 0	

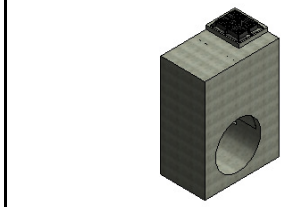
INPUT

Object Name **FMH-J__-DSD-CONC-D0**

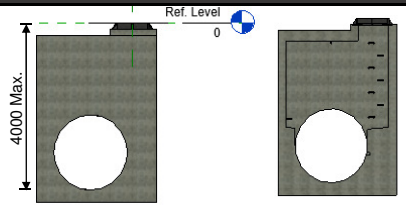
CATEGORY **Generic Models**

LOD-G **300**

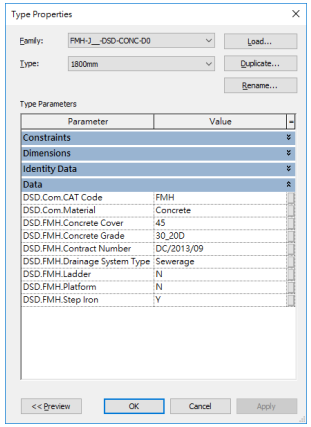




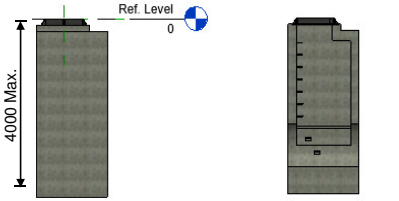
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

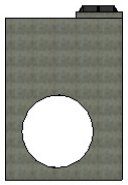
Tag_FMH

FMH0013
Type J

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1013)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0013	Type J	-4.000	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0013
	REVISION 0	

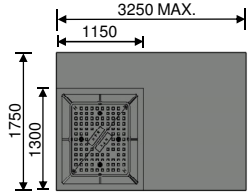
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

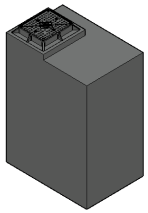
INPUT

Object Name **FMH-J__-DSD-CONC-D0**

CATEGORY **Metric Structures**

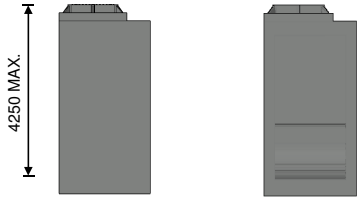
LOD-G **200**

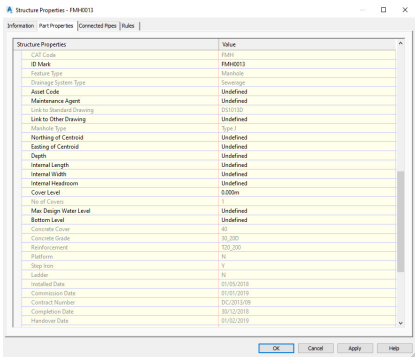




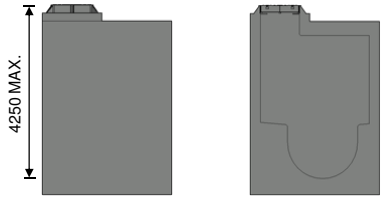
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0013
FMH-J__-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1013)	TENDER / CONSTRUCTION DRAWING
Manhole Table		SCHEDULE IN DRAWING

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0013	Type J	-4.250	0.000

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0014
	REVISION 0	

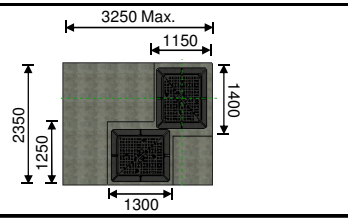
INPUT

Object Name **FMH-JD_-DSD-CONC-D0**

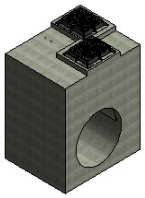
CATEGORY **Generic Models**

LOD-G **300**

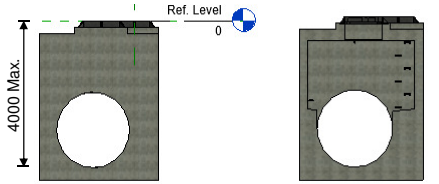
PLAN



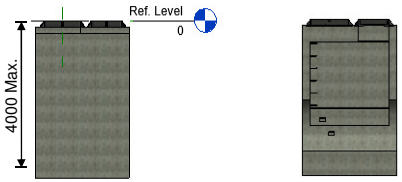
3D



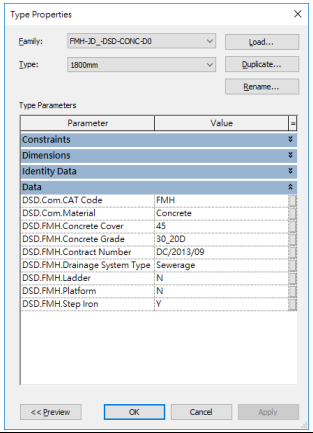
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_FMH

2D SYMBOL

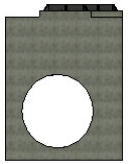
Tag_FMH

FMH0014
Type J/D

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1014)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0014	Type J/D	-4.000	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0014
	REVISION 0	

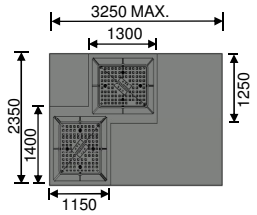
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

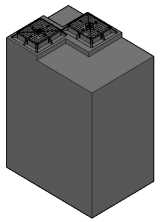
INPUT

Object Name **FMH-JD_-DSD-CONC-D0**

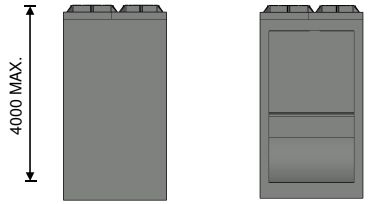
CATEGORY **Metric Structures**

LOD-G **200**

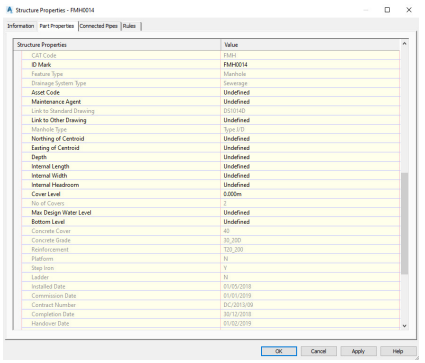




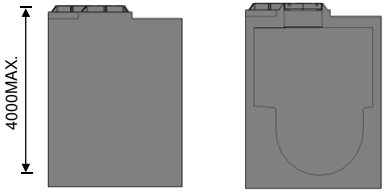
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

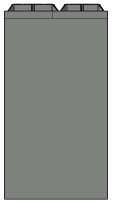
2D SYMBOL

Tag_FMH

FMH0014
FMH-JD_-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1014)	TENDER / CONSTRUCTION DRAWING
Manhole Table		SCHEDULE IN DRAWING

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0014	Type J/D	-4.000	0.000

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Drainage Services Department

BIM OBJECT SHEET

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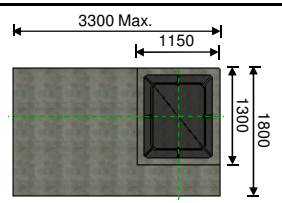
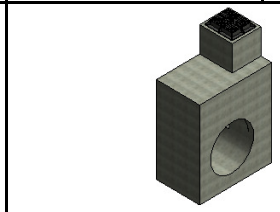
INPUT

Object Name **FMH-K__-DSD-CONC-D0**

CATEGORY **Generic Models**

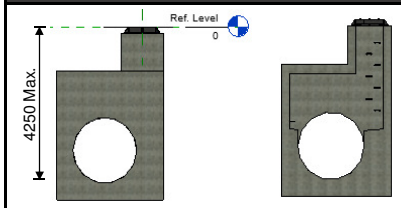
LOD-G **300**

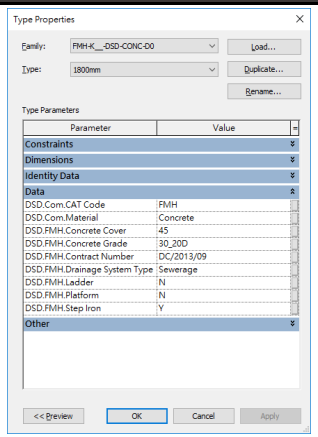




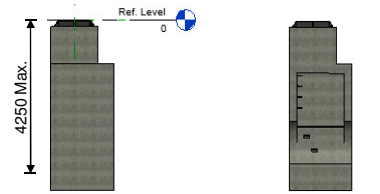
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

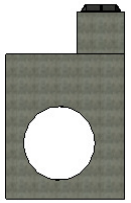
Tag_FMH

FMH0015
Type K

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1015)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0015	Type K	-4.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

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	Civil3D 2018	
	DATE 07-2020	DSD-OS-0015
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PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

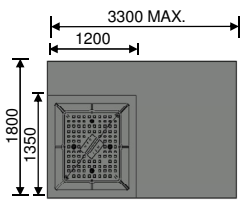
INPUT

Object Name **FMH-K__-DSD-CONC-D0**

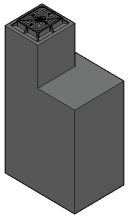
CATEGORY **Metric Structures**

LOD-G **200**

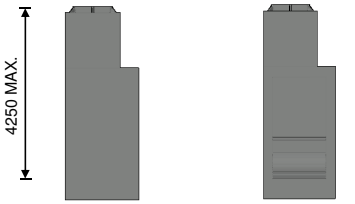
PLAN



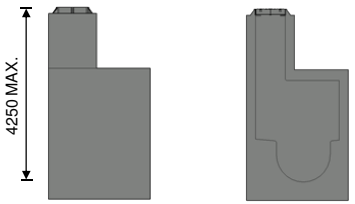
3D



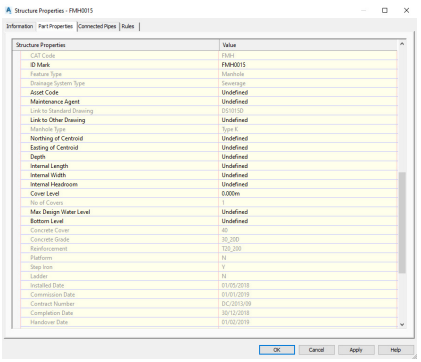
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_FMH

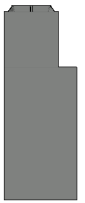
2D SYMBOL

Tag_FMH

FMH0015
FMH-K__-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1015)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0015	Type K	-4.250	0.000

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Drainage Services Department

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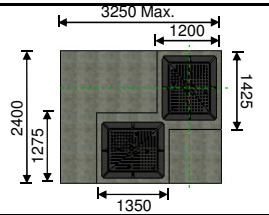
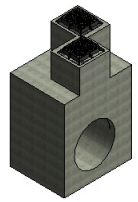
INPUT

Object Name **FMH-KD_-DSD-CONC-D0**

CATEGORY **Generic Models**

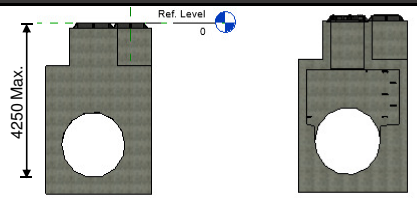
LOD-G **300**

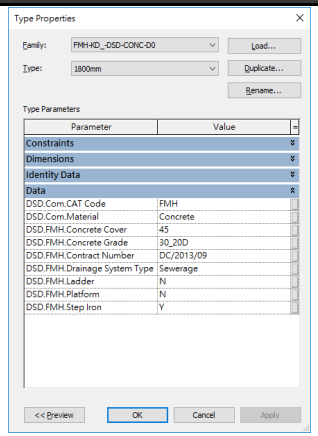




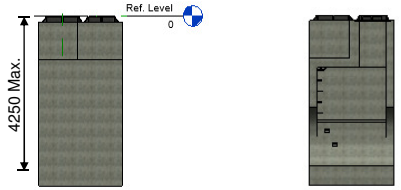
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

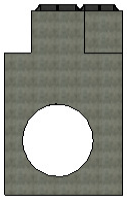
Tag_FMH

FMH0016
Type K/D

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1016)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0016	Type K/D	-4.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

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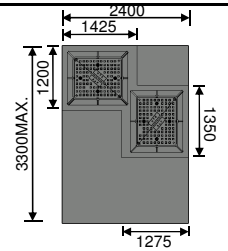
	DATE: 07-2020	
	REVISION: 0	

INPUT

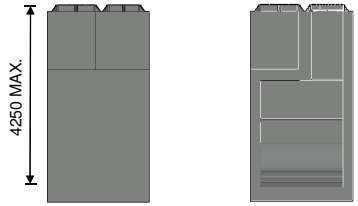
Object Name **FMH-KD_-DSD-CONC-D0**

CATEGORY: **Metric Structures**

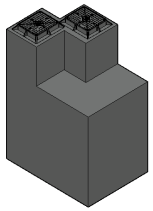
LOD-G: **200**

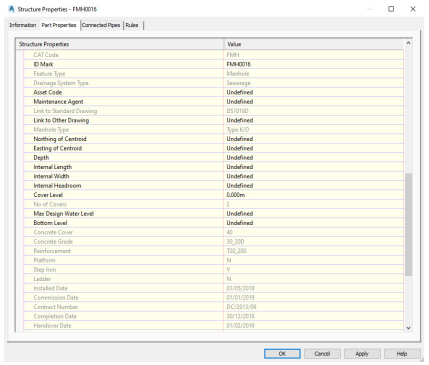


PLAN

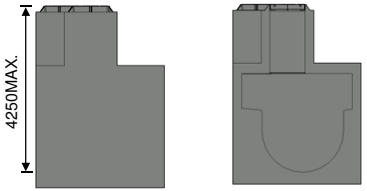


3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

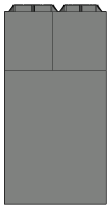
Tag_FMH

FMH0016
FMH-KD_-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1016)	TENDER / CONSTRUCTION DRAWING
Manhole Table		SCHEDULE IN DRAWING

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0016	Type K/D	-4.250	0.000

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Drainage Services Department

BIM OBJECT SHEET

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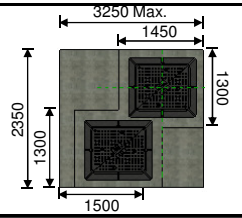
	DATE 11-2018	
	REVISION 0	

INPUT

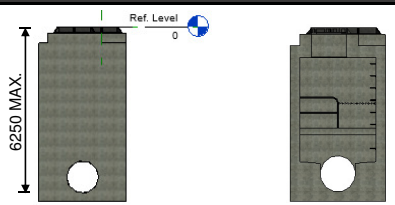
Object Name **FMH-LD_-DSD-CONC-D0**

CATEGORY **Generic Models**

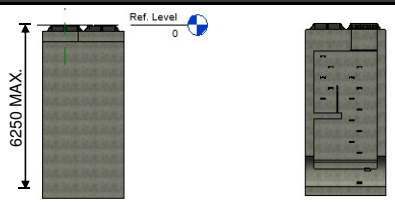
LOD-G **300**



PLAN

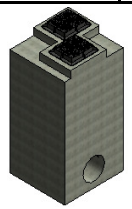


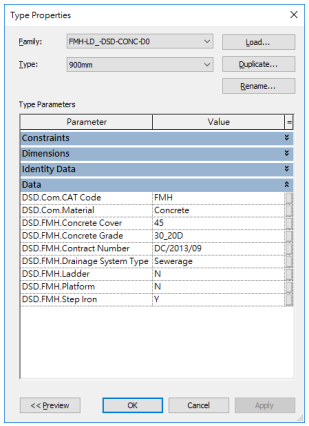
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D





FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

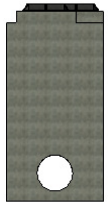
Tag_FMH

FMH0017
Type L/D

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1017)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0017	Type L/D	-6.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

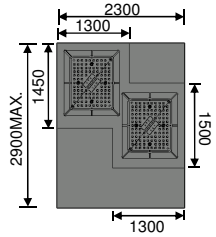
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0017
	DATE: 07-2020	
	REVISION: 0	

INPUT

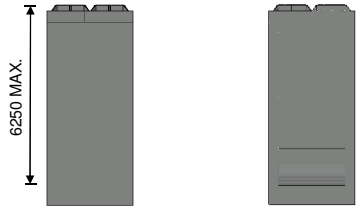
Object Name **FMH-LD_-DSD-CONC-D0**

CATEGORY: **Metric Structures**

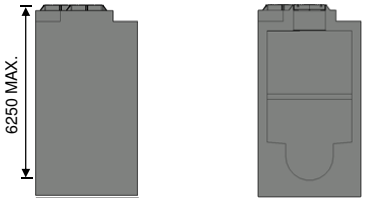
LOD-G: **200**



PLAN

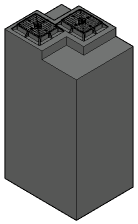


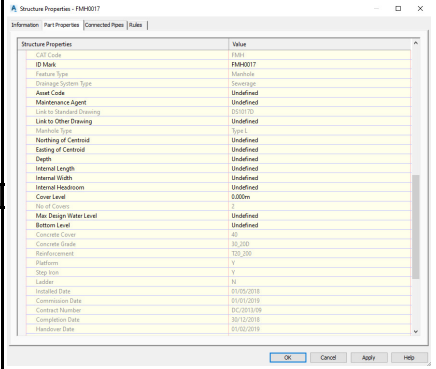
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D





FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0017
FMH-LD_-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1017)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0017	Type L	-6.250	0.000

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0018
	REVISION 0	

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

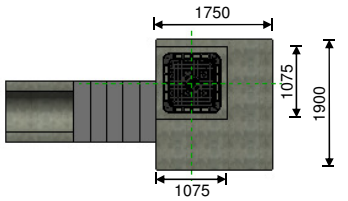
INPUT

Object Name **FSH-T1_-DSD-CONC-C0**

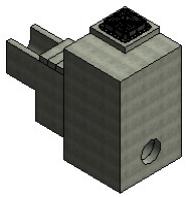
CATEGORY **Generic Models**

LOD-G **300**

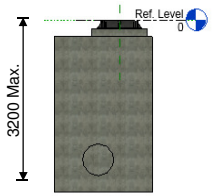
PLAN

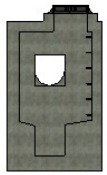


3D

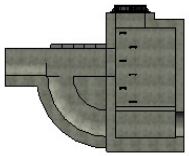


FRONT ELEVATION / SECTION

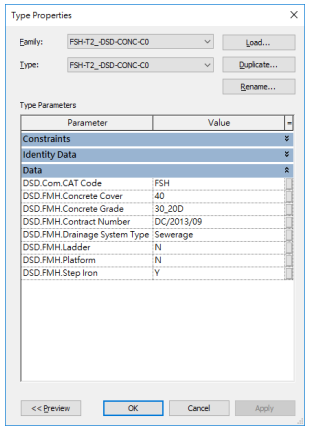




SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_FSH

2D SYMBOL

Tag_FSH

FSH0018
Type 1

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1018)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FSH0018	Type 1	-3.200	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

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	Civil3D 2018	
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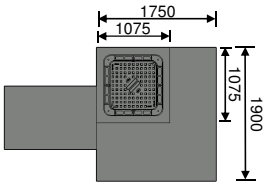
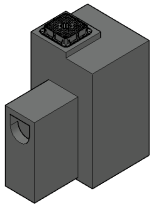
INPUT

Object Name **FSH-T1_-DSD-CONC-C0**

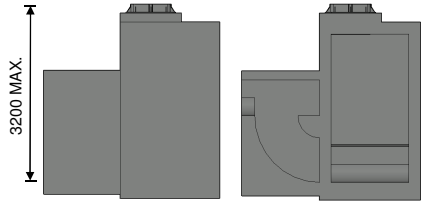
CATEGORY **Metric Structures**

LOD-G **200**

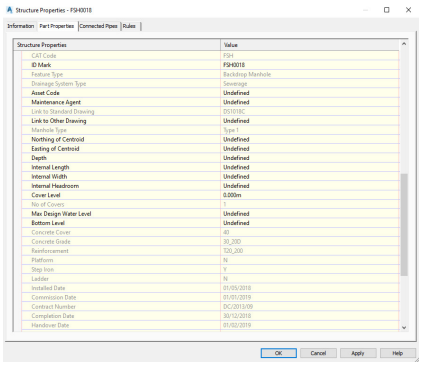




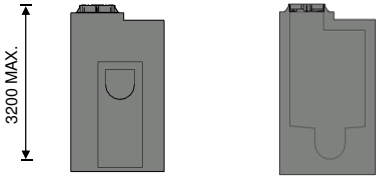
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FSH

2D SYMBOL

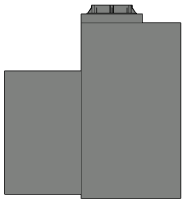
Tag_FSH

FSH0018
FSH-T1_-DSD-CONC-C0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1018)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FSH.ID.Mark	DSD.FSH.Manhole Type	DSD.FSH.Invert.Level.A1	DSD.FSH.Cover.Level
FSH0018	Type 1	-3.200	0.000

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0019
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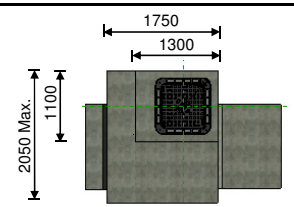
INPUT

Object Name **FSH-T2_-DSD-CONC-C0**

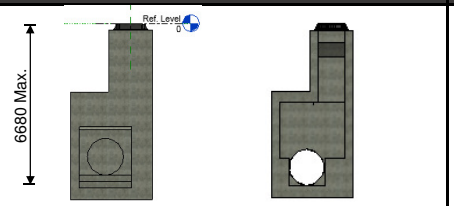
CATEGORY **Generic Models**

LOD-G **300**

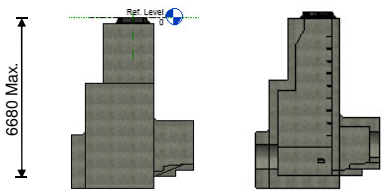


PLAN

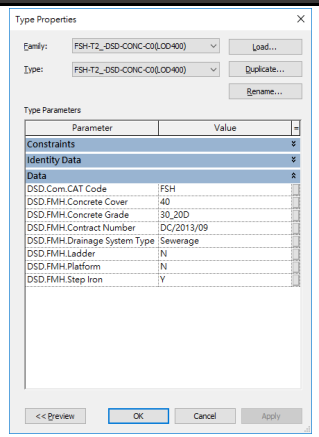
3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FSH

2D SYMBOL

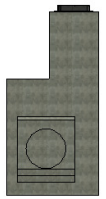
Tag_FSH

FSH0019
Type 2

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1019)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FSH0019	Type 2	-6.680	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
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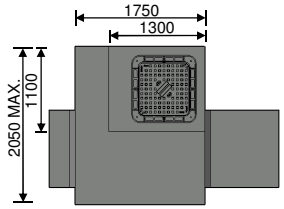
	DATE 07-2020	DSD-OS-0019
	REVISION 0	

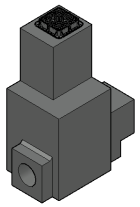
INPUT

Object Name **FSH-T2_-DSD-CONC-C0**

CATEGORY **Metric Structures**

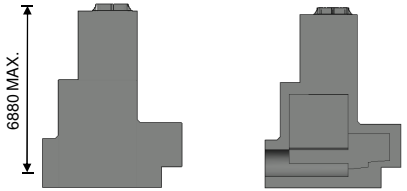
LOD-G **200**

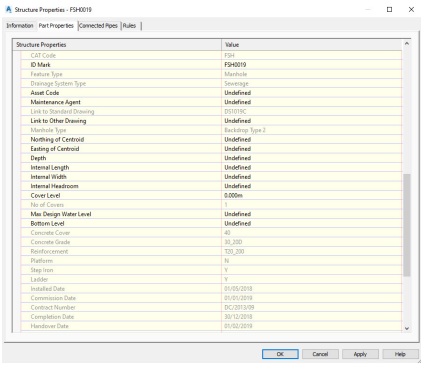




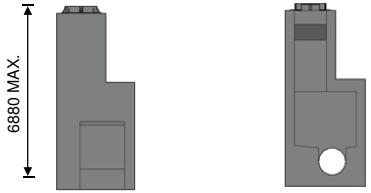
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FSH

2D SYMBOL

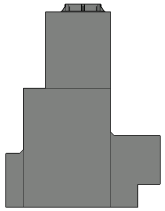
Tag_FSH

FSH0019
FSH-T2_-DSD-CONC-C0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1019)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table			
DSD.FSH.ID.Mark	DSD.FSH.Manhole Type	DSD.FSH.Invert.Level.A1	DSD.FSH.Cover.Level
FSH0019	Type 2	-6.880	0.000

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BIM OBJECT SHEET

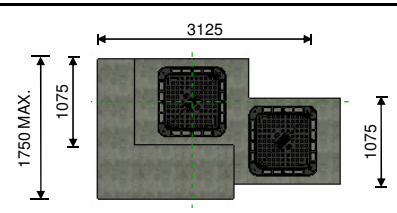
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0020
	REVISION 0	

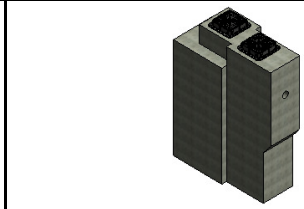
INPUT

Object Name **FSH-T3_-DSD-CONC-D0**

CATEGORY **Generic Models**

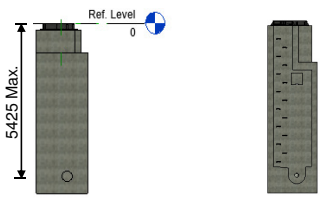
LOD-G **300**

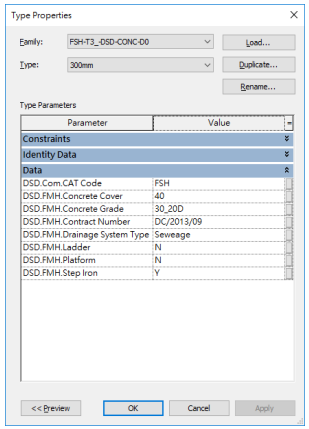




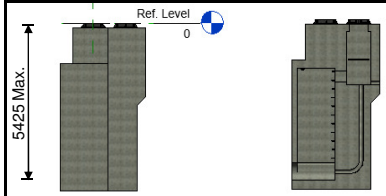
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FSH

2D SYMBOL

Tag_FSH

FSH0020
Type 3

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1020)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FSH0020	Type 3	-5.425	0.000

SCHEDULE IN DRAWING

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER
	DATE: 07-2020	DSD-OS-0020
	REVISION: 0	

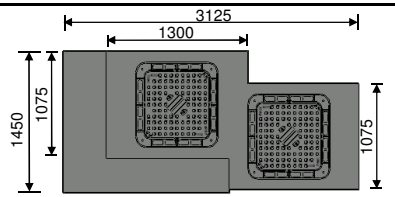
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

INPUT

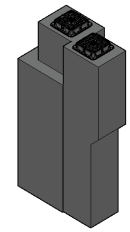
Object Name **FSH-T3_-DSD-CONC-D0**

CATEGORY: **Metric Structures**

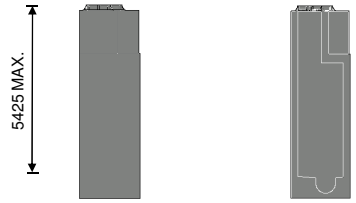
LOD-G: **200**



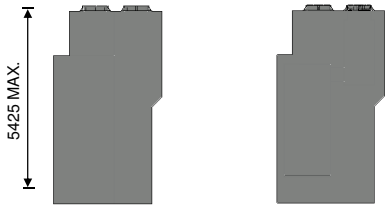
PLAN



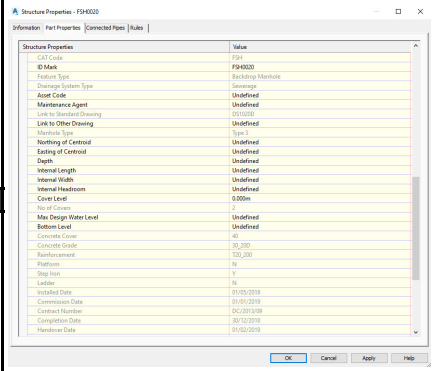
3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FSH

2D SYMBOL

Tag_FSH

FSH0020
FSH-T3_-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1020)	TENDER / CONSTRUCTION DRAWING
Manhole Table		SCHEDULE IN DRAWING

DSD.FSH.ID.Mark	DSD.FSH.Manhole Type	DSD.FSH.Invert.Level.A1	DSD.FSH.Cover.Level
FSH0020	Type 3	-5.425	0.000

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Drainage Services Department

BIM OBJECT SHEET

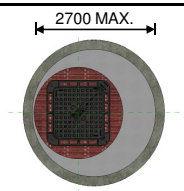
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0021
	DATE 11-2018	
	REVISION 0	

INPUT

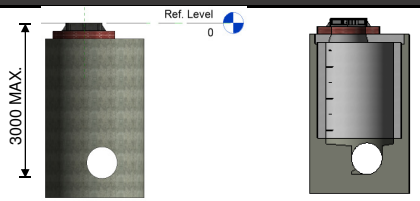
Object Name **FMH-PCA-DSD-CONC-D0**

CATEGORY **Generic Models**

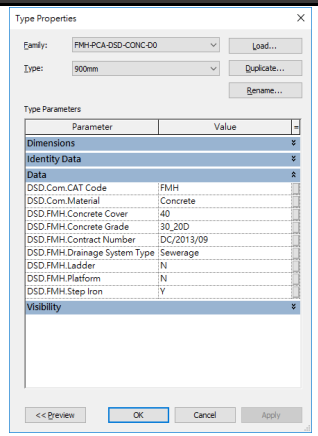
LOD-G **300**



PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0021
Precast Type A

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1023)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0021	Precast Type A	-3.000	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

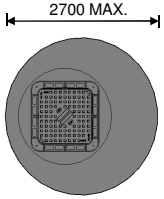
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0021
	DATE: 07-2020	
	REVISION: 0	

INPUT

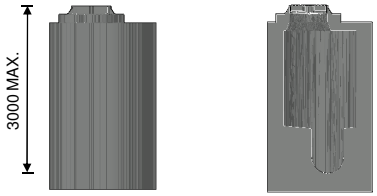
Object Name **FMH-PCA-DSD-CONC-D0**

CATEGORY: **Metric Structures**

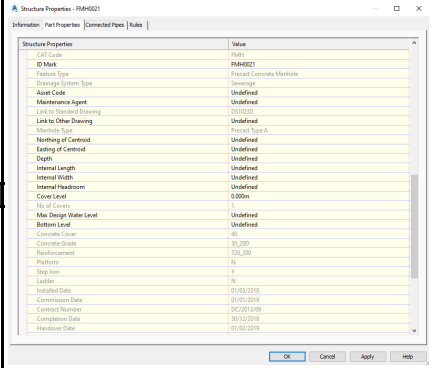
LOD-G: **200**



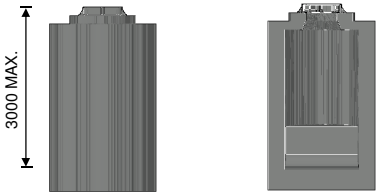
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

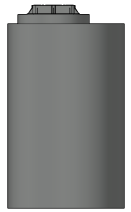
Tag_FMH

FMH0021
FMH-PCA-DSD-CONC-D0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1023)	TENDER / CONSTRUCTION DRAWING
		SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0021	Type A	-3.000	0.000

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BIM OBJECT SHEET

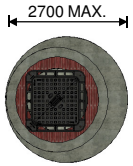
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0022
	DATE 11-2018	
	REVISION 0	

INPUT

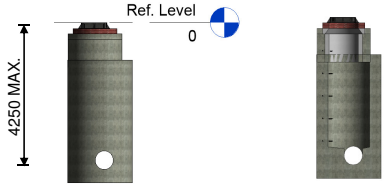
Object Name **FMH-PCB-DSD-CONC-C0**

CATEGORY **Generic Models**

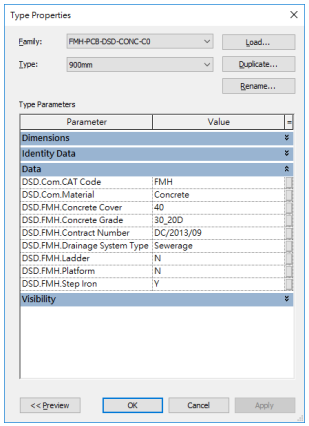
LOD-G **300**



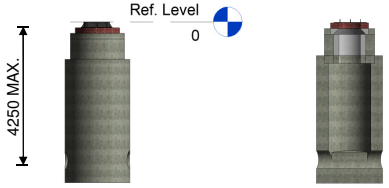
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0022
Type B

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1025)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0022	Precast Type B	-4.250	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0022
	REVISION 0	

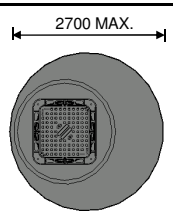
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

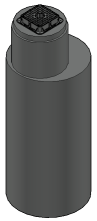
INPUT

Object Name **FMH-PCB-DSD-CONC-C0**

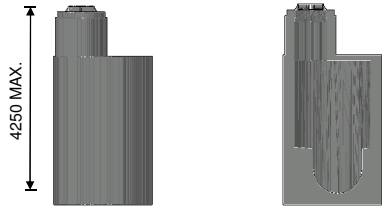
CATEGORY **Metric Structures**

LOD-G **200**

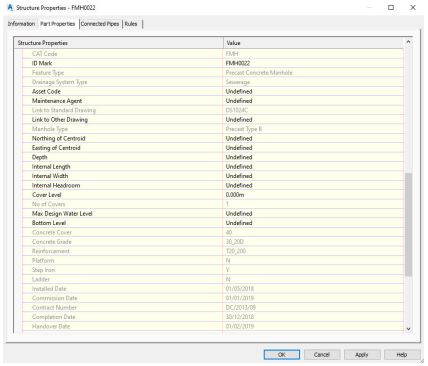




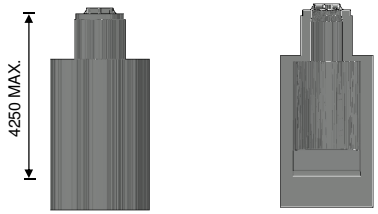
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

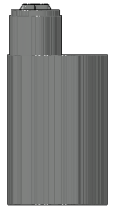
2D SYMBOL

Tag_FMH

FMH0022
FMH-PCB-DSD-CONC-C0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1024)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0022	Type B	-4.250	0.000

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BIM OBJECT SHEET

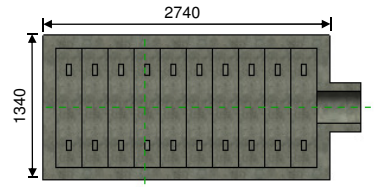
QR CODE For AM	SOFTWARE VERSION: Revit 2018	REFERENCE NUMBER: DSD-OS-0023
	DATE: 11-2018	
	REVISION: 0	

INPUT

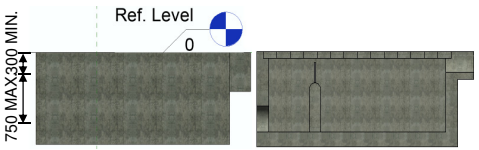
Object Name **SPH-SD_-DSD-CONC-B0**

CATEGORY: **Generic Models**

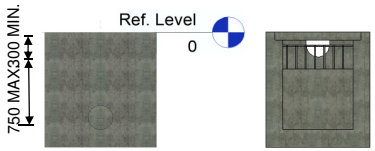
LOD-G: **300**



PLAN

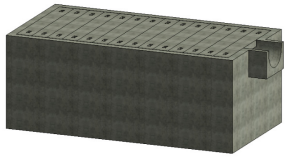


FRONT ELEVATION / SECTION

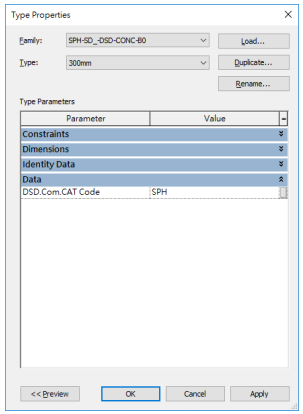


SIDE ELEVATION / SECTION

3D

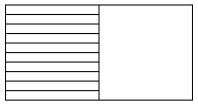


FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_SPH



2D SYMBOL

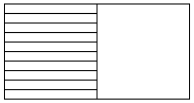
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

	SHEET VIEW : PLAN	SHEET VIEW : ELEVATION
PRESENTATION DRAWING		
STATUTORY / AUTHORITIES SUBMISSION DRAWING	N.A.	N.A.
TENDER / CONSTRUCTION DRAWING	Project Specific	Refer to DSD Standard Drawing (DS1025)
SCHEDULE IN DRAWING	N.A.	

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0023
	DATE: 07-2020	
	REVISION: 0	

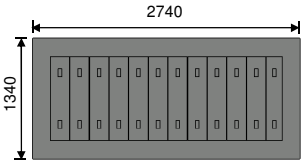
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

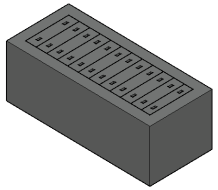
INPUT

Object Name **SPH-SD_-DSD-CONC-B0**

CATEGORY: **Metric Structures**

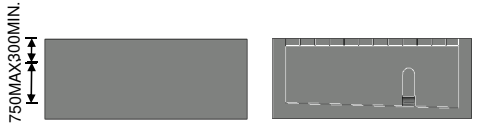
LOD-G: **200**

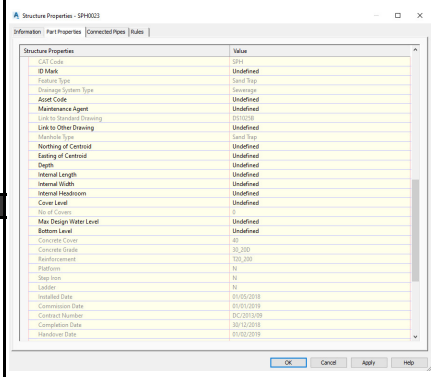




PLAN

3D





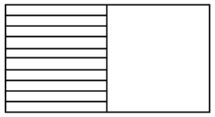
FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SPH



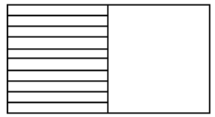
2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1025)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sand Trap Table

DSD.Com.CAT.Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SPH	01/01/2019	01/05/2019	Concrete

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BIM OBJECT SHEET

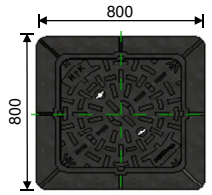
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0024
	REVISION 0	

INPUT

Object Name **SMC-DT_-DSD-CI-B0**

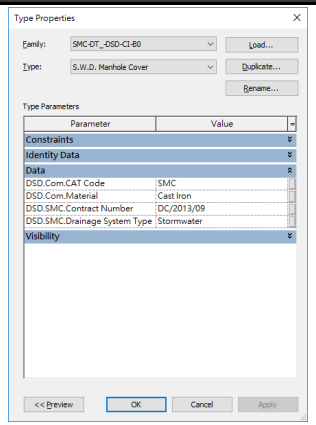
CATEGORY **Generic Models**

LOD-G **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
N.A.		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1033)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0024	Stormwater	Manhole Cover

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0025
	REVISION 0	

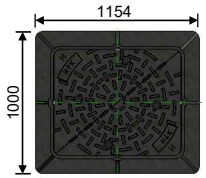
INPUT

Object Name **SMC-DES-DSD-CI-B0**

CATEGORY **Generic Models**

LOD-G **300**

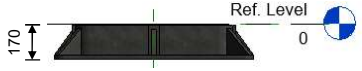
PLAN



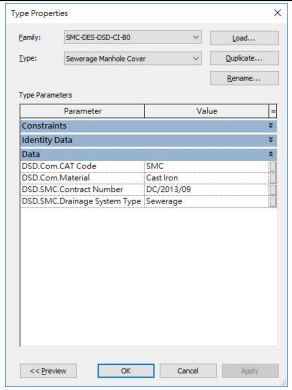
3D

FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER



3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
N.A.		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD standard drawing DS1034	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0025	Stormwater	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0026
	DATE 11-2018	
	REVISION 0	

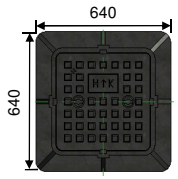
INPUT

Object Name **FMC-MA2-DSD-CI-29A_B0**

CATEGORY **Generic Models**

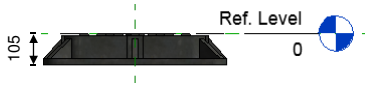
LOD-G **300**

PLAN

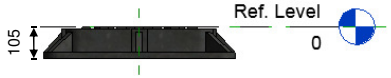


3D

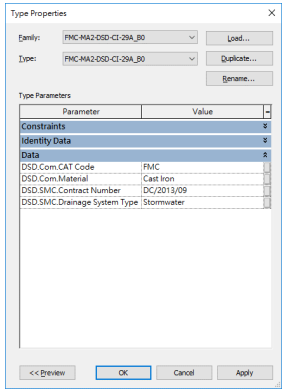
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER



3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
N.A.		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD standard drawing (DS1035)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.FMC.ID Mark	DSD.FMC.Drainage System Type	DSD.FMC.Feature Type
FMC0026	Sewerage	Manhole Cover

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Drainage Services Department

BIM OBJECT SHEET

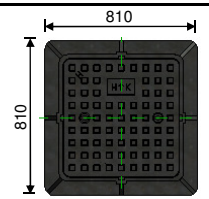
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0027
	DATE 11-2018	
	REVISION 0	

INPUT

Object Name **FMC-MA2-DSD-CI-45A_B0**

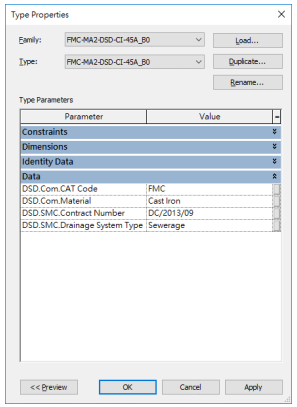
CATEGORY **Generic Models**

LOD-G **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
N.A.		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD standard drawing (DS1036)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.FMC.ID Mark	DSD.FMC.Drainage System Type	DSD.FMC.Feature Type
FMC0027	Sewerage	Manhole Cover

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

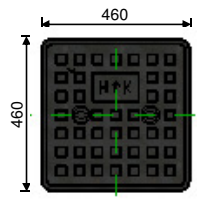
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE	
	11-2018	DSD-OS-0028
	REVISION	
	0	

INPUT

Object Name **FMC-MC2-DSD-CI-29A_B0**

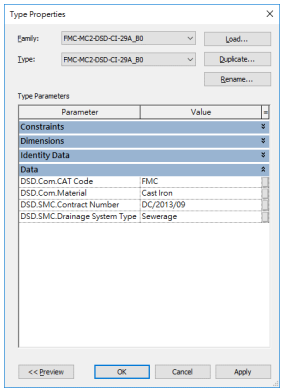
CATEGORY **Generic Models**

LOD-G **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
N.A.		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD standard drawing (DS1037)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.FMC.ID Mark	DSD.FMC.Drainage System Type	DSD.FMC.Feature Type
FMC0028	Sewerage	Manhole Cover

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

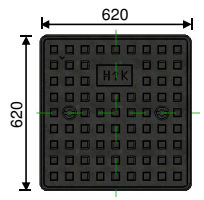
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0029
	DATE 11-2018	
	REVISION 0	

INPUT

Object Name **FMC-MC2-DSD-CI-45A_B0**

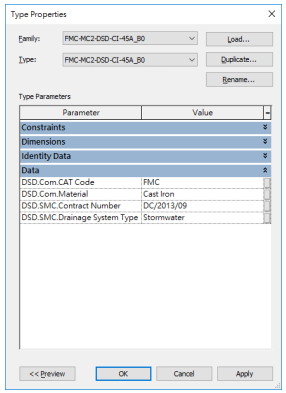
CATEGORY **Generic Models**

LOD-G **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

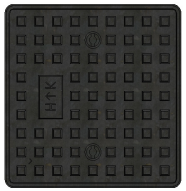
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1038)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.FMC.ID Mark	DSD.FMC.Drainage System Type	DSD.FMC.Feature Type
FMC0029	Sewerage	Manhole Cover

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0030
	DATE 11-2018	
	REVISION 0	

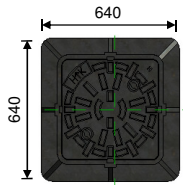
INPUT

Object Name **SMC-MA2-DSD-CI-29B_B0**

CATEGORY **Generic Models**

LOD-G **300**

PLAN

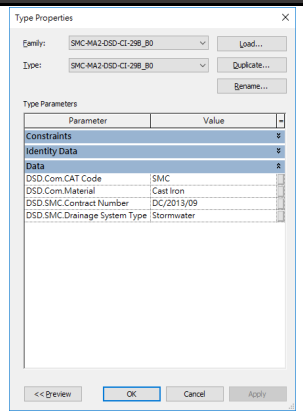


3D

FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER



3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1039)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0030	Stormwater	Manhole Cover

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

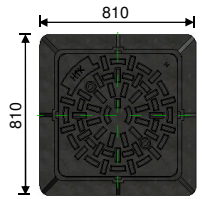
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE	DSD-OS-0031
	11-2018	
	REVISION	
	0	

INPUT

Object Name **SMC-MA2-DSD-CI-45B_B0**

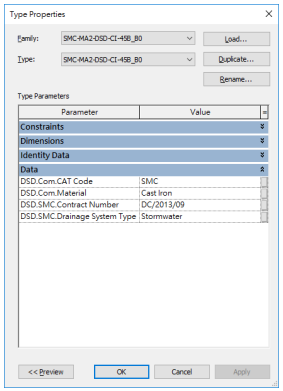
CATEGORY **Generic Models**

LOD-G **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name	2D Tag / Label / Annotation Name
N.A.	N.A.

2D SYMBOL

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1040)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0031	Stormwater	Manhole Cover

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

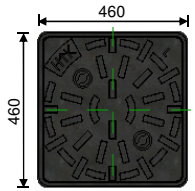
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0032
	DATE 11-2018	
	REVISION 0	

INPUT

Object Name **SMC-MC2-DSD-CI-29B_B0**

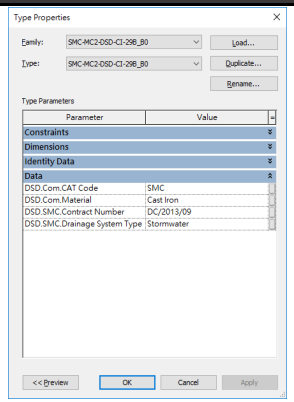
CATEGORY **Generic Models**

LOD-G **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1041)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0032	Stormwater	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

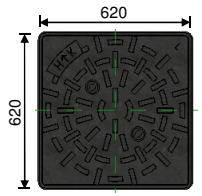
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0033
	DATE 11-2018	
	REVISION 0	

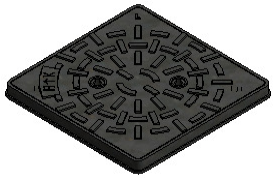
INPUT

Object Name **SMC-MC2-DSD-CI-45B_B0**

CATEGORY **Generic Models**

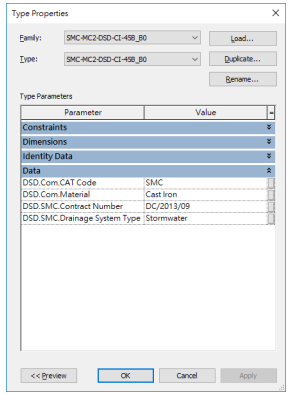
LOD-G **300**





PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD standard drawing (DS1042)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0033	Stormwater	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

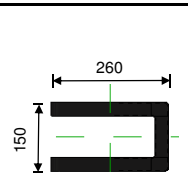
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0034
	DATE 11-2018	
	REVISION 0	

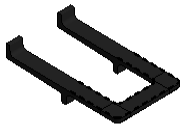
INPUT

Object Name **TTH-SPI-DSD-CI-B0**

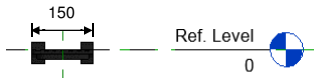
CATEGORY **Generic Models**

LOD-G **300**

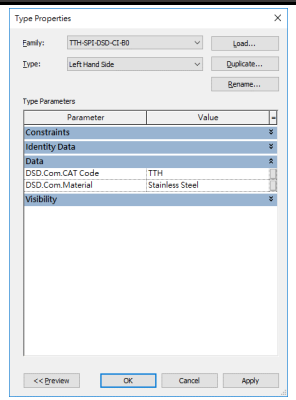




PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1043)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0035
	DATE 11-2018	
	REVISION 0	

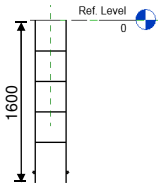
INPUT

Object Name **ALA-MH_-DSD-SS-B0**

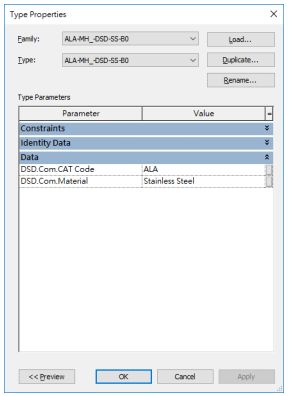
CATEGORY **Generic Models**

LOD-G **300**

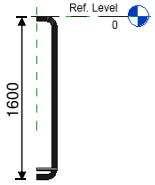
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1044)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

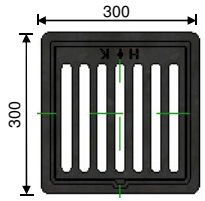
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0036
	DATE 11-2018	
	REVISION 0	

INPUT

Object Name **SGC-___-DSD-CI-B0**

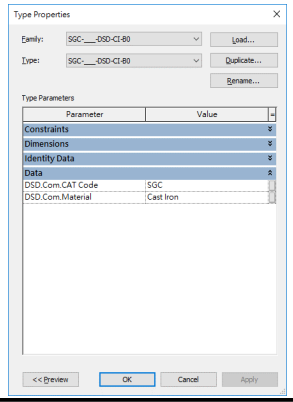
CATEGORY **Generic Models**

LOD-G **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1045)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

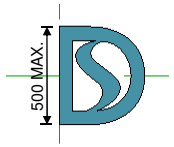
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0037
	DATE 11-2018	
	REVISION 0	

INPUT

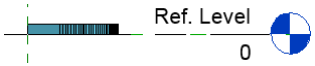
Object Name **TTH-LOG-DSD-SS-DSD_B0**

CATEGORY **Generic Models**

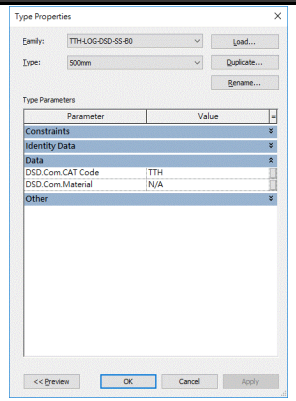
LOD-G **300**



PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
	N.A.	PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1057)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

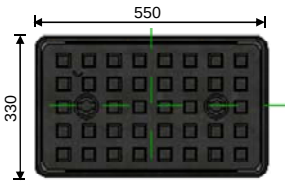
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0038
	DATE 11-2018	
	REVISION 0	

INPUT

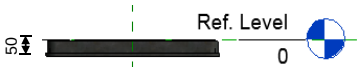
Object Name **FMC-MC2-DSD-CI-4018A_B0**

CATEGORY **Generic Models**

LOD-G **300**



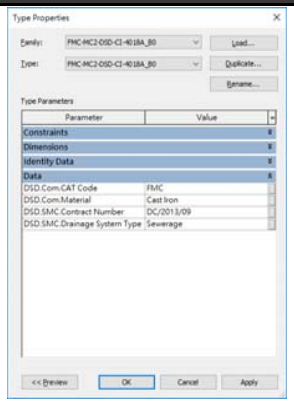
PLAN



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name	2D Tag / Label / Annotation Name
N.A.	N.A.

2D SYMBOL

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1059)	TENDER / CONSTRUCTION DRAWING

Manhole Cover Schedule

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0038	Sewerage	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

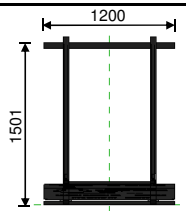
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE	DSD-OS-0039
	11-2018	
	REVISION	
	0	

INPUT

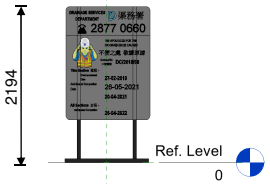
Object Name **TTH-SPB-DSD-SS-C0**

CATEGORY **Generic Models**

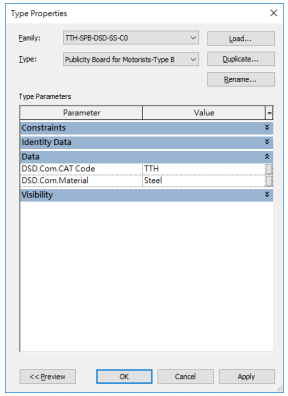
LOD-G **300**



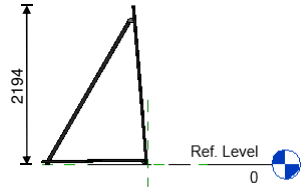
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1060)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

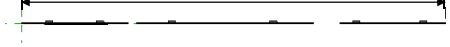
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE	DSD-OS-0040
	11-2018	
	REVISION	
	0	

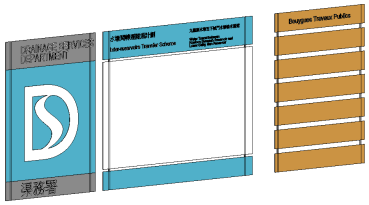
INPUT

Object Name **TTH-SGB-DSD-SSnPLY-MAJ_B0**

CATEGORY **Generic Models**

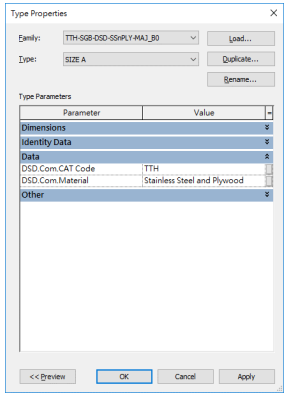
LOD-G **300**



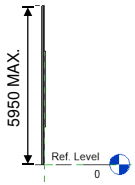


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

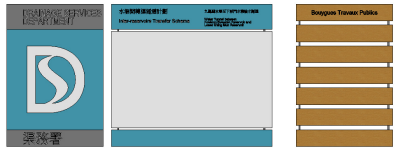
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1063)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0041
	DATE 11-2018	
	REVISION 0	

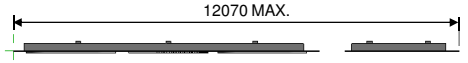
INPUT

Object Name **TTH-SGB-DSD-SSnPLY-MIN_B0**

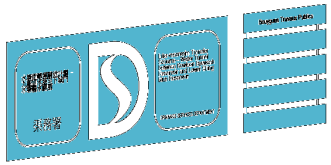
CATEGORY **Generic Models**

LOD-G **300**

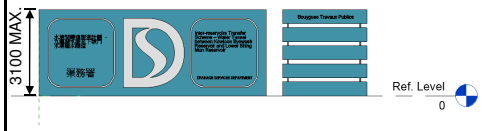
PLAN



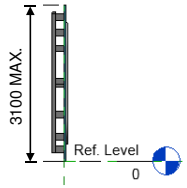
3D



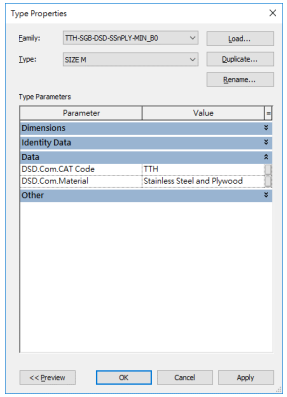
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER



3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

	SHEET VIEW : PLAN	SHEET VIEW : ELEVATION
PRESENTATION DRAWING		
STATUTORY / AUTHORITIES SUBMISSION DRAWING	N.A.	N.A.
TENDER / CONSTRUCTION DRAWING	Project Specific	Refer to DSD Standard Drawing (DS1064)
SCHEDULE IN DRAWING	N.A.	

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0042
	DATE 11-2018	
	REVISION 0	

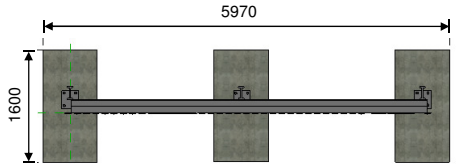
INPUT

Object Name **TTH-HRD-DSD-GMS-B0**

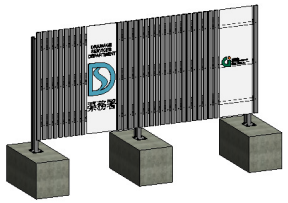
CATEGORY **Generic Models**

LOD-G **300**

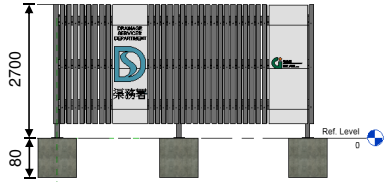
PLAN



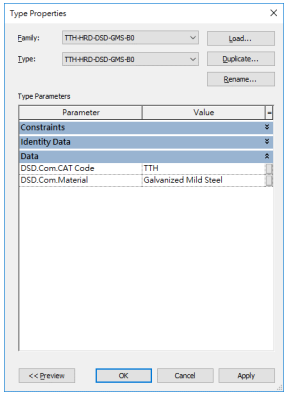
3D



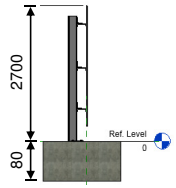
FRONT ELEVATION / SECTION



FAMILY VIEW : PARAMETER



SIDE ELEVATION / SECTION



3D GEOMETRY

Anno_TSF

2D SYMBOL

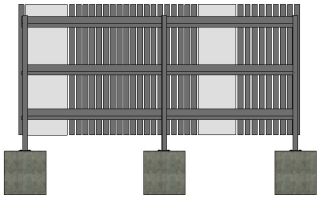
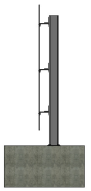
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

	SHEET VIEW : PLAN	SHEET VIEW : ELEVATION
PRESENTATION DRAWING		
STATUTORY / AUTHORITIES SUBMISSION DRAWING	N.A.	N.A.
TENDER / CONSTRUCTION DRAWING	Project Specific	Refer to DSD Standard Drawing (DS1065)
SCHEDULE IN DRAWING	N.A.	

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BIM OBJECT SHEET

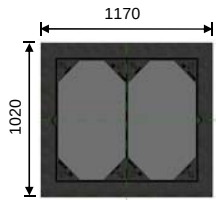
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0043
	DATE 11-2018	
	REVISION 0	

INPUT

Object Name **SMC-RD_-DSD-SS-75_90_B0**

CATEGORY **Generic Models**

LOD-G **300**

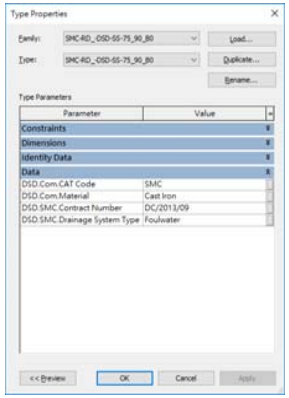


PLAN

FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SMC

N.A.

2D SYMBOL

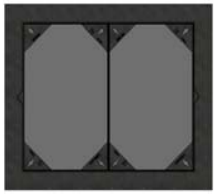
Tag_SMC

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1071)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0043	Stormwater	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

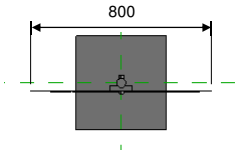
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0044
	DATE 11-2018	
	REVISION 0	

INPUT

Object Name **TTH-SG_-DSD-GS-FW_A0**

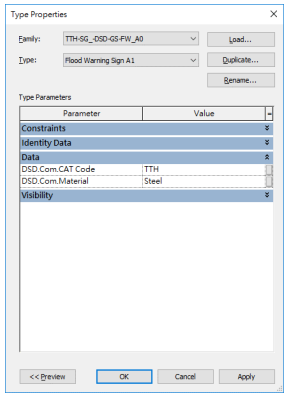
CATEGORY **Generic Models**

LOD-G **300**

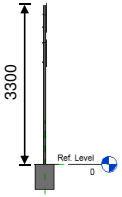


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

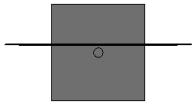
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1072)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

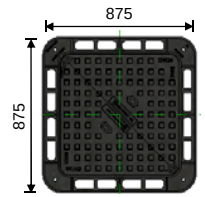
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0045
	REVISION 0	

INPUT

Object Name **FMC-DT_-DSD-DI-675SQ_A0**

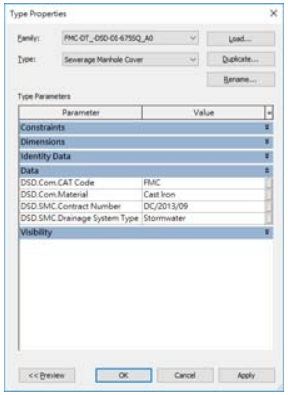
CATEGORY **Generic Models**

LOD-G **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1077)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.SMC.ID Mark	DSD.SMC.Drainage System Type	DSD.SMC.Feature Type
SMC0045	Stormwater	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

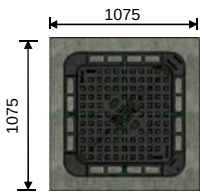
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0046
	DATE 11-2018	
	REVISION 0	

INPUT

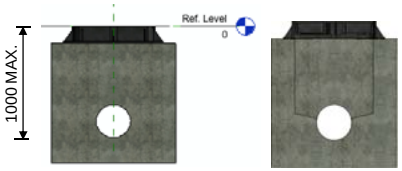
Object Name **FMH-C1_-DSD-CONC-00**

CATEGORY **Generic Models**

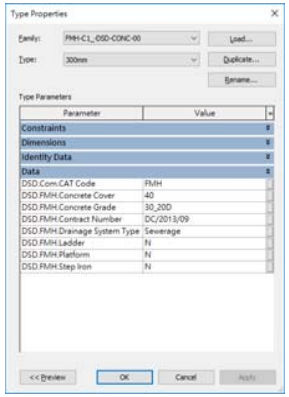
LOD-G **300**



PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0046
Type C1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1078)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0046	Type C1	-1.000	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

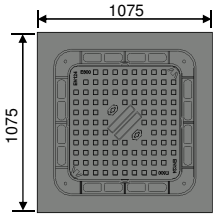
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0046
	DATE: 07-2020	
	REVISION: 0	

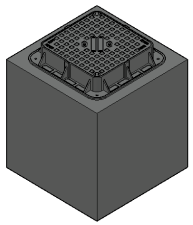
INPUT

Object Name **FMH-C1_-DSD-CONC-00**

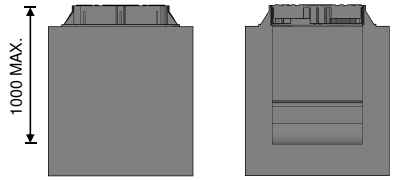
CATEGORY: **Metric Structures**

LOD-G: **200**

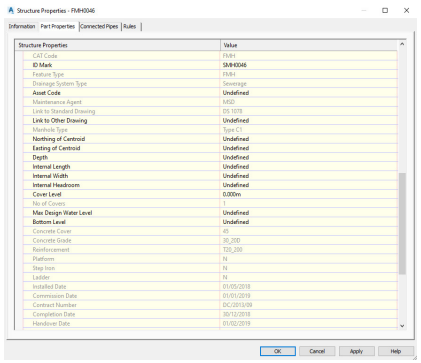




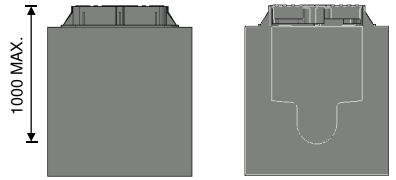
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

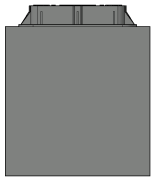
Tag_FMH

FMH0046
FMH-C1_-DSD-CONC-00

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1078)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0046	Type C1	-1.000	0.000

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Drainage Services Department

BIM OBJECT SHEET

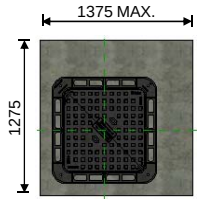
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0047
	REVISION 0	

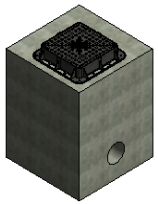
INPUT

Object Name **FMH-D1_-DSD-CONC-00**

CATEGORY **Generic Models**

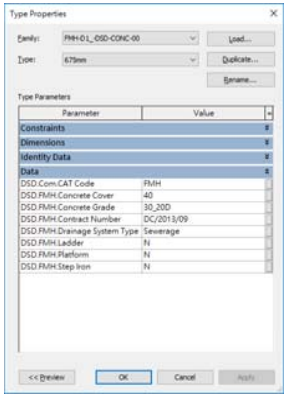
LOD-G **300**





PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0047
Type D1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1079)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0047	Type D1	-1.500	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0047
	REVISION 0	

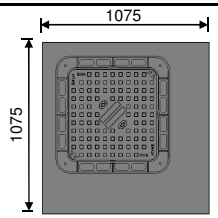
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

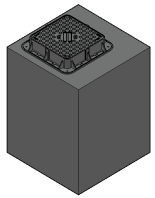
INPUT

Object Name **FMH-D1_-DSD-CONC-00**

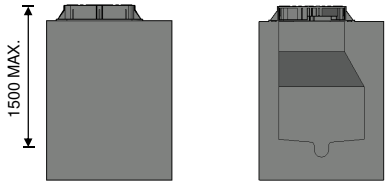
CATEGORY **Metric Structures**

LOD-G **200**

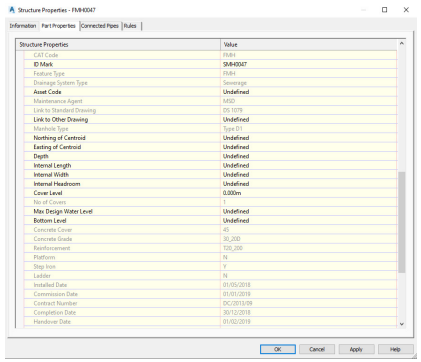




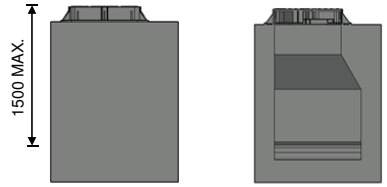
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

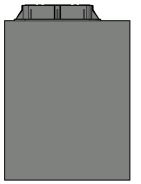
2D SYMBOL

Tag_FMH

FMH0047
FMH-D1_-DSD-CONC-00

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1079)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0047	Type D1	-1.500	0.000

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BIM OBJECT SHEET

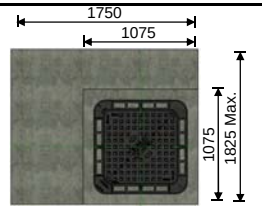
QR CODE For AM	SOFTWARE VERSION: Revit 2018	REFERENCE NUMBER
	DATE: 11-2018	DSD-OS-0048
	REVISION: 0	

INPUT

Object Name **FMH-E1_-DSD-CONC-B0**

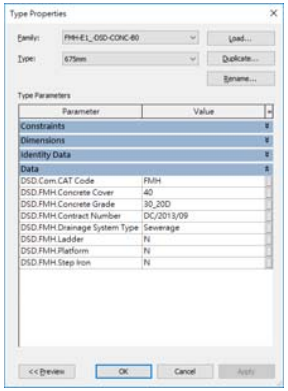
CATEGORY: **Generic Models**

LOD-G: **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0048
Type E1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1049)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0048	Type E1	-3.000	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

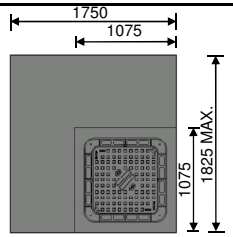
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0048
	REVISION 0	

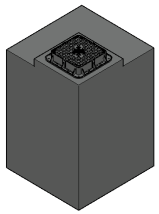
INPUT

Object Name **FMH-E1_-DSD-CONC-B0**

CATEGORY **Metric Structures**

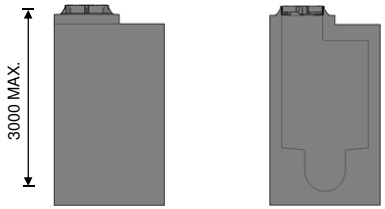
LOD-G **200**

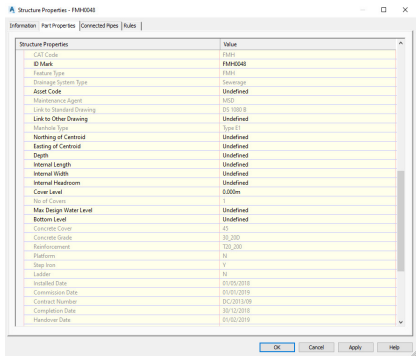




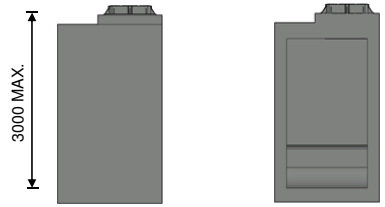
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

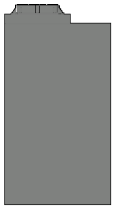
Tag_FMH

FMH0048
FMH-E1_-DSD-CONC-B0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1080)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0048	Type E1	-3.000	0.000

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Drainage Services Department

BIM OBJECT SHEET

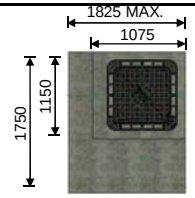
QR CODE For AM	SOFTWARE VERSION: Revit 2018	REFERENCE NUMBER: DSD-OS-0049
	DATE: 11-2018	
	REVISION: 0	

INPUT

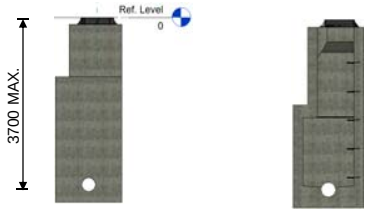
Object Name **FMH-F1_-DSD-CONC-B0**

CATEGORY: **Generic Models**

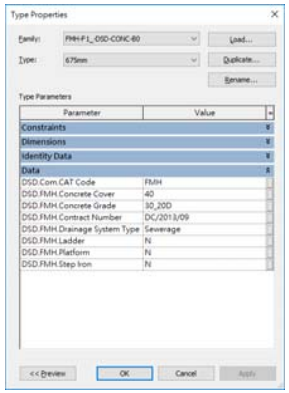
LOD-G: **300**



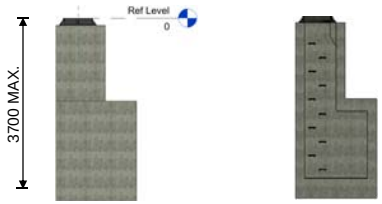
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0049
Type F1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1081)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0049	Type F1	-3.700	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0049
	DATE: 07-2020	
	REVISION: 0	

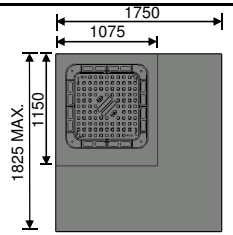
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

INPUT

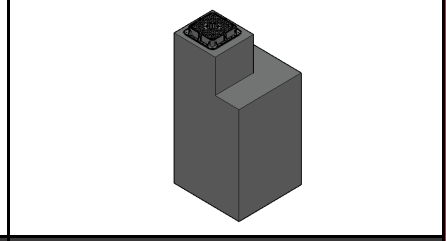
Object Name **FMH-F1_-DSD-CONC-B0**

CATEGORY: **Metric Structures**

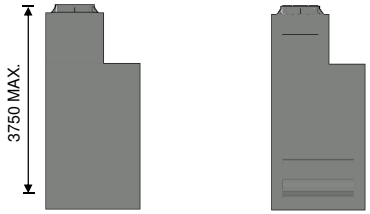
LOD-G: **200**



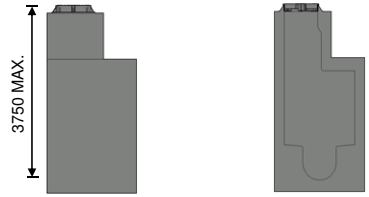
PLAN



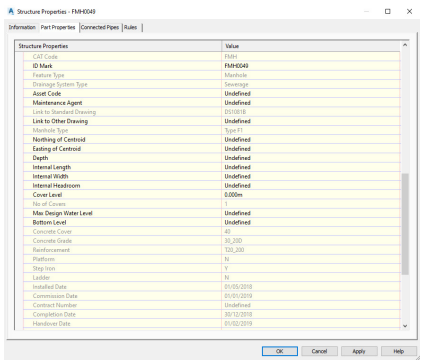
3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0049
FMH-F1_-DSD-CONC-B0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1081)	TENDER / CONSTRUCTION DRAWING
Manhole Table		SCHEDULE IN DRAWING

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0049	Type F1	-3.750	0.000

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Drainage Services Department

BIM OBJECT SHEET

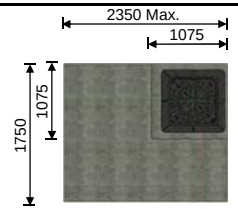
QR CODE For AM	SOFTWARE VERSION: Revit 2018	REFERENCE NUMBER
	DATE: 11-2018	DSD-OS-0050
	REVISION: 0	

INPUT

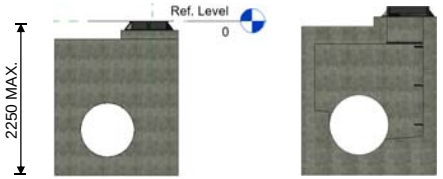
Object Name **FMH-G1_-DSD-CONC-B0**

CATEGORY: **Generic Models**

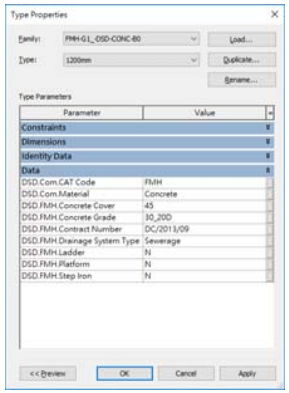
LOD-G: **300**



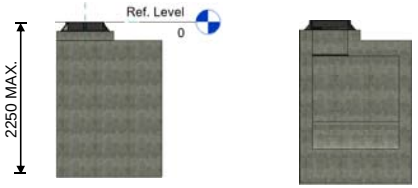
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

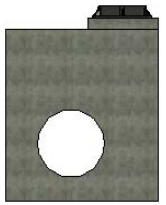
Tag_FMH

FMH0050
Type G1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1082)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0050	Type G1	-2.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0050
	DATE: 07-2020	
	REVISION: 0	

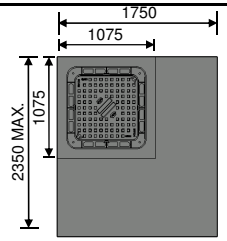
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

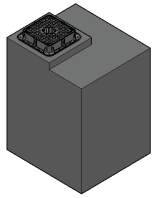
INPUT

Object Name **FMH-G1_-DSD-CONC-B0**

CATEGORY: **Metric Structures**

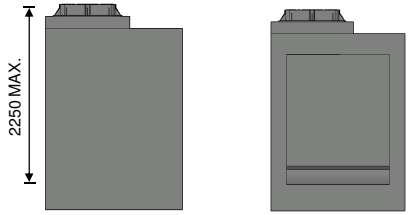
LOD-G: **200**

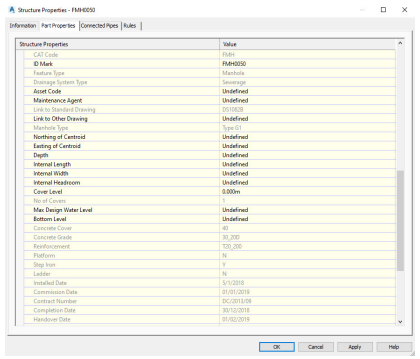




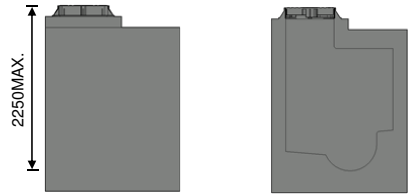
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

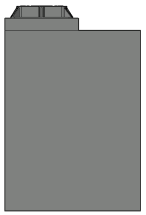
2D SYMBOL

Tag_FMH

FMH0050
FMH-G1_-DSD-CONC-B0

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1082)	TENDER / CONSTRUCTION DRAWING
Manhole Table		SCHEDULE IN DRAWING

Manhole Table			
DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0050	Type G1	-2.250	0.000

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Drainage Services Department

BIM OBJECT SHEET

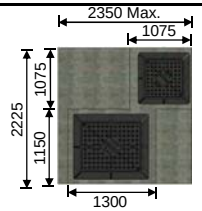
QR CODE For AM	SOFTWARE VERSION: Revit 2018	REFERENCE NUMBER: DSD-OS-0051
	DATE: 11-2018	
	REVISION: 0	

INPUT

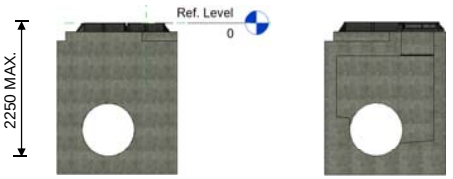
Object Name **FMH-G1D-DSD-CONC-B0**

CATEGORY: **Generic Models**

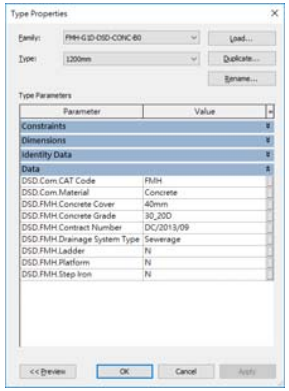
LOD-G: **300**



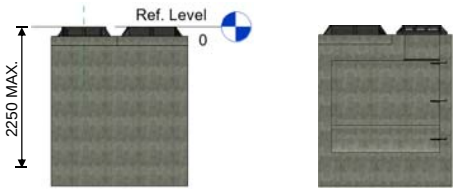
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

Tag_FMH

FMH0051
Type G1/D

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1083)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
FMH0051	Type G1/D	-2.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

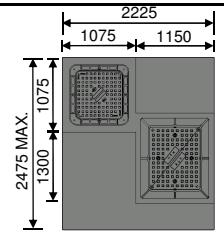
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0051
	DATE: 07-2020	
	REVISION: 0	

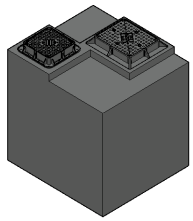
INPUT

Object Name **FMH-G1D-DSD-CONC-B0**

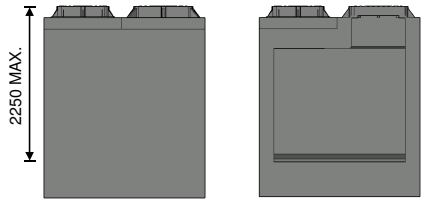
CATEGORY: **Metric Structures**

LOD-G: **200**

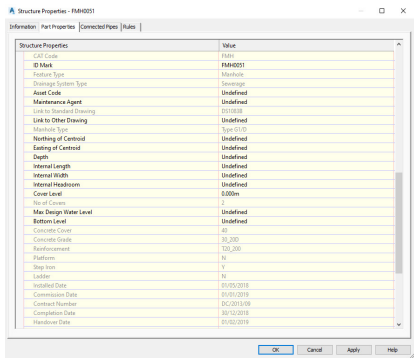




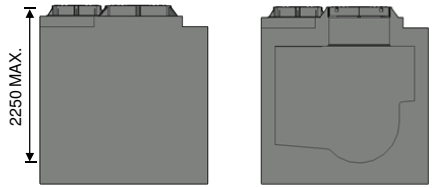
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_FMH

2D SYMBOL

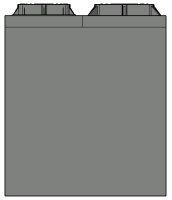
Tag_FMH

FMH0051
FMH-G1D-DSD-CONC-B0

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1083)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.FMH.ID.Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert.Level.A1	DSD.FMH.Cover.Level
FMH0051	Type G1/D	-2.250	0.000

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Drainage Services Department

BIM OBJECT SHEET

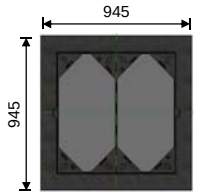
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0052
	DATE 11-2018	
	REVISION 0	

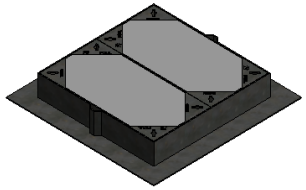
INPUT

Object Name **FMC-RSS-DSD-SS-675SQ_B0**

CATEGORY **Generic Models**

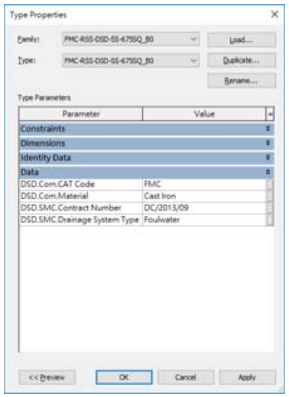
LOD-G **300**





PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

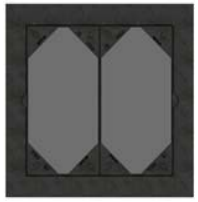
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1084)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.FMC.ID Mark	DSD.FMC.Drainage System Type	DSD.FMC.Feature Type
FMC0052	Sewerage	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

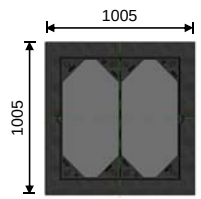
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0053
	DATE 11-2018	
	REVISION 0	

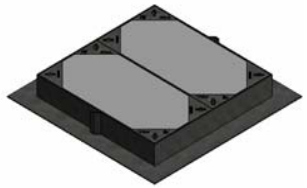
INPUT

Object Name **FMC-RDS-DSD-SS-675SQ_B0**

CATEGORY **Generic Models**

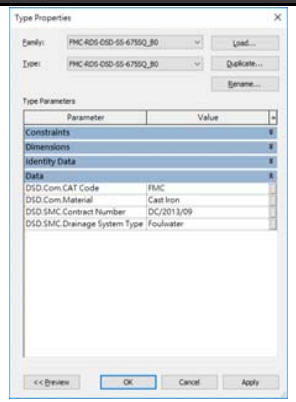
LOD-G **300**





PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

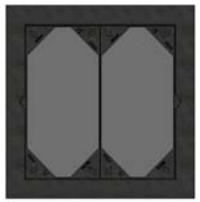
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1085)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.FMC.ID Mark	DSD.FMC.Drainage System Type	DSD.FMC.Feature Type
FMC0053	Sewerage	Manhole Cover

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BIM OBJECT SHEET

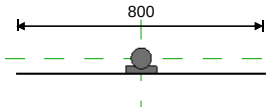
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0054
	DATE 11-2018	
	REVISION 0	

INPUT

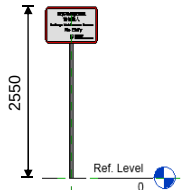
Object Name **TTH-SG_-DSD-GS-NE_00**

CATEGORY **Generic Models**

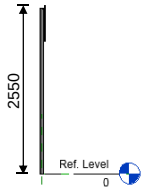
LOD-G **300**



PLAN

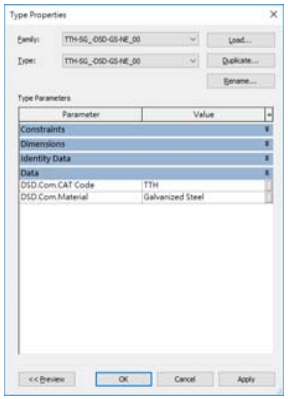


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1087)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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BIM OBJECT SHEET

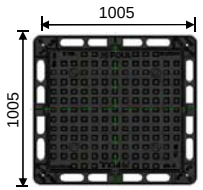
QR CODE For AM	SOFTWARE VERSION: Revit 2018	REFERENCE NUMBER: DSD-OS-0055
	DATE: 11-2018	
	REVISION: 0	

INPUT

Object Name **FMC-SLH-DSD-DI-B125_B0**

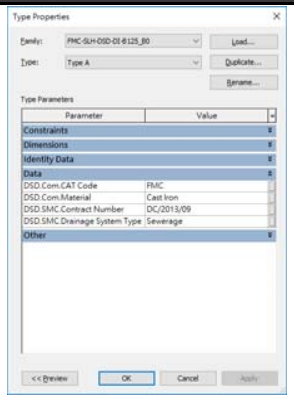
CATEGORY: **Generic Models**

LOD-G: **300**



PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD standard drawing (DS1088)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.FMC.ID Mark	DSD.FMC.Drainage System Type	DSD.FMC.Feature Type
FMC0055	Sewerage	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

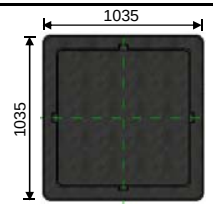
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0056
	DATE 11-2018	
	REVISION 0	

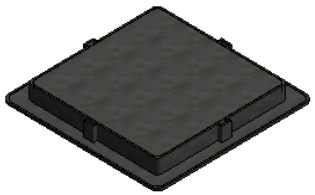
INPUT

Object Name **FMC-SLH-DSD-DI-C250_B0**

CATEGORY **Generic Models**

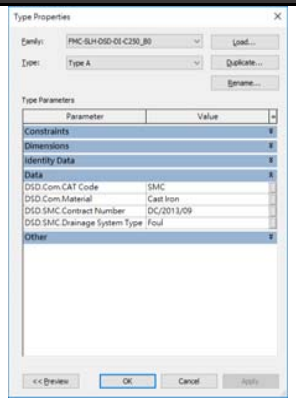
LOD-G **200**





PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1089)	TENDER / CONSTRUCTION DRAWING

<Manhole Cover Schedule>

A	B	C
DSD.FMC.ID Mark	DSD.FMC.Drainage System Type	DSD.FMC.Feature Type
FMC0056	Sewerage	Manhole Cover

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

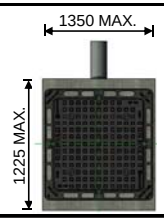
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0057
	DATE 11-2018	
	REVISION 0	

INPUT

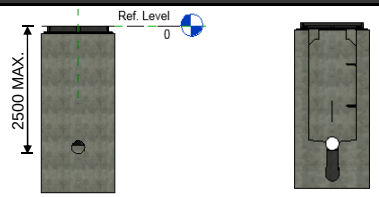
Object Name **SLH-T1_-DSD-CONC-00**

CATEGORY **Generic Models**

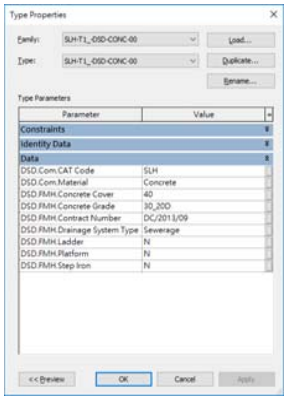
LOD-G **300**



PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

2D SYMBOL

Tag_SLH

SLH0057
Type T1_1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Dawing (DS1090)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
SLH0057	Type T1_1	-2.500	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

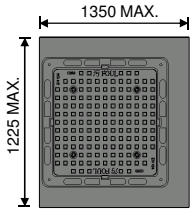
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Civil3D 2018	
	DATE 07-2020	DSD-OS-0057
	REVISION 0	

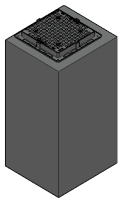
INPUT

Object Name **SLH-T1_-DSD-CONC-00**

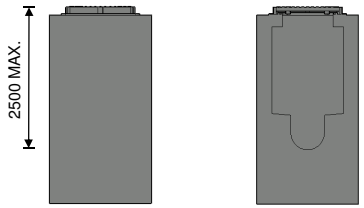
CATEGORY **Metric Structures**

LOD-G **200**

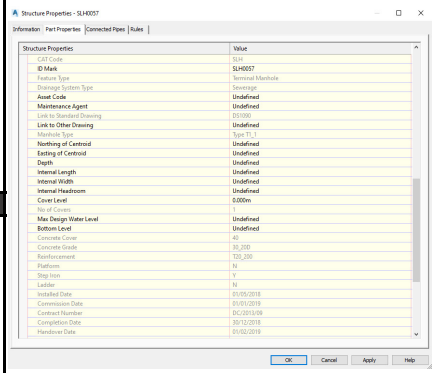




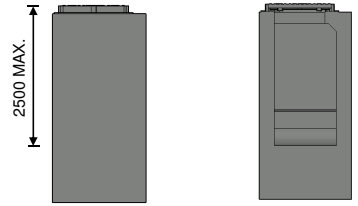
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

2D SYMBOL

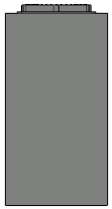
Tag_SLH

SLH0057
SLH-T1_-DSD-CONC-00

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1090)	TENDER / CONSTRUCTION DRAWING

Manhole Table

DSD.SLH.ID.Mark	DSD.SLH.Manhole Type	DSD.SLH.Invert.Level.A1	DSD.SLH.Cover.Level
SLH0057	Type T1_1	-2.500	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

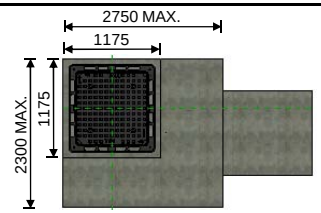
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0058
	REVISION 0	

INPUT

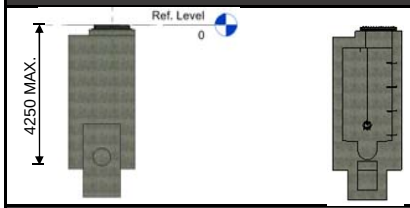
Object Name **SLH-T2_-DSD-CONC-00**

CATEGORY **Generic Models**

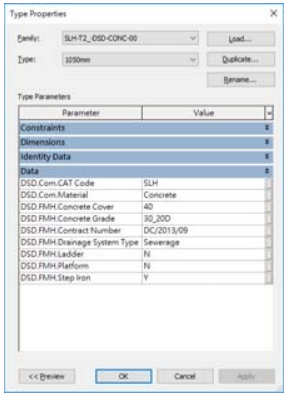
LOD-G **300**



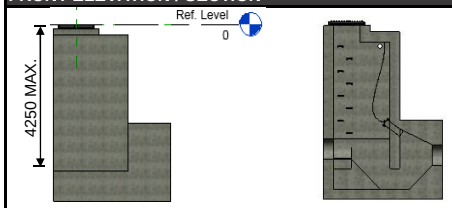
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

2D SYMBOL

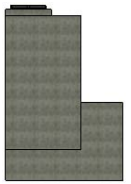
Tag_SLH

SLH0058
Type T2_1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1091)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
SLH0058	Type T2_1	-4.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0058
	DATE: 07-2020	
	REVISION: 0	

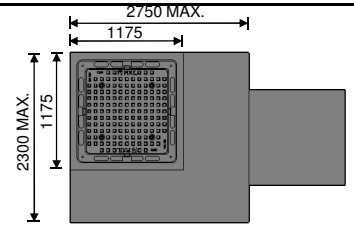
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

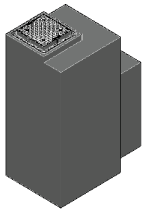
INPUT

Object Name **SLH-T2_-DSD-CONC-00**

CATEGORY: **Metric Structures**

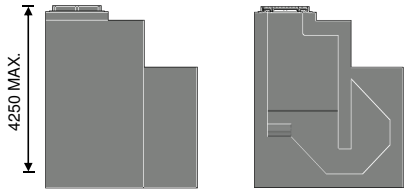
LOD-G: **200**

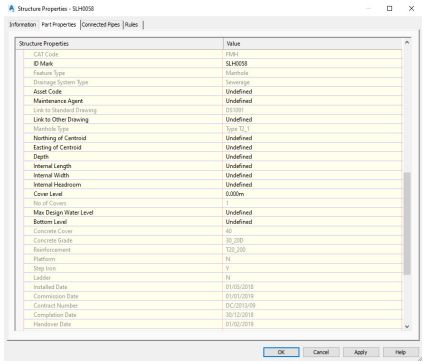




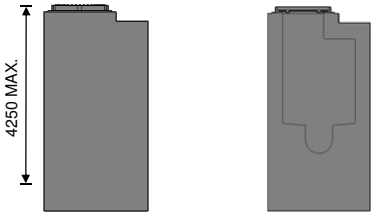
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

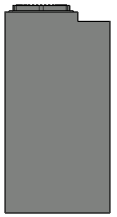
2D SYMBOL

Tag_SLH

SLH0058
SLH-T2_-DSD-CONC-00

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1091)	TENDER / CONSTRUCTION DRAWING
		SCHEDULE IN DRAWING

Manhole Table

DSD.SLH.ID.Mark	DSD.SLH.Manhole Type	DSD.SLH.Invert.Level.A1	DSD.SLH.Cover.Level
SLH0058	Type T2_1	-4.250	0.000

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Drainage Services Department

BIM OBJECT SHEET

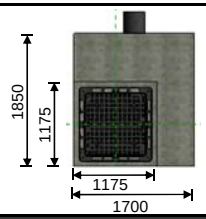
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0059
	DATE 11-2018	
	REVISION 0	

INPUT

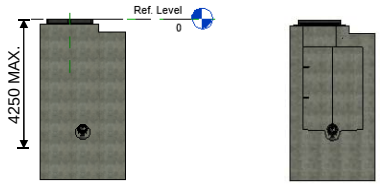
Object Name **SLH-T3_-DSD-CONC-00**

CATEGORY **Generic Models**

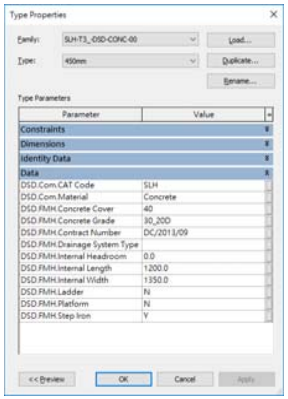
LOD-G **300**



PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

2D SYMBOL

Tag_SLH

SLH0059
Type T3_1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1092)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
SLH0059	Type T3_1	-4.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0059
	DATE: 07-2020	
	REVISION: 0	

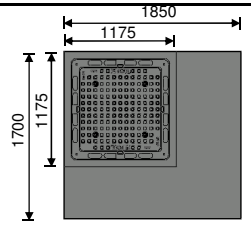
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

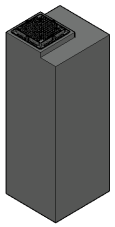
INPUT

Object Name **SLH-T3_-DSD-CONC-00**

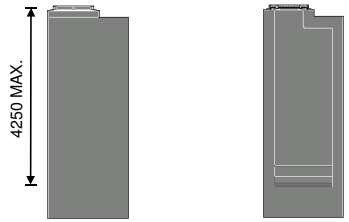
CATEGORY: **Metric Structures**

LOD-G: **200**

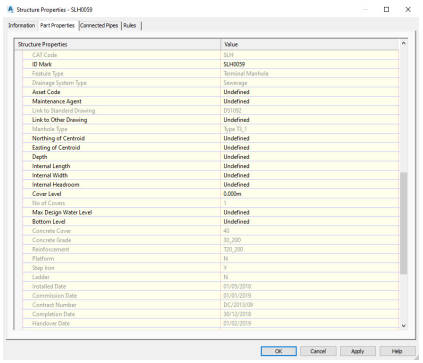




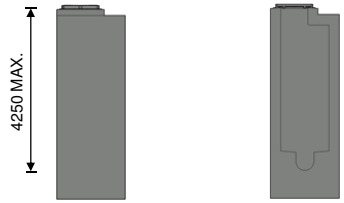
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

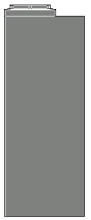
2D SYMBOL

Tag_SLH

SLH0059
SLH-T3_-DSD-CONC-00

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1092)	TENDER / CONSTRUCTION DRAWING
		SCHEDULE IN DRAWING

Manhole Table

DSD.SLH.ID.Mark	DSD.SLH.Manhole Type	DSD.SLH.Invert.Level.A1	DSD.SLH.Cover.Level
SLH0059	Type T3_1	-4.250	0.000

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Drainage Services Department

BIM OBJECT SHEET

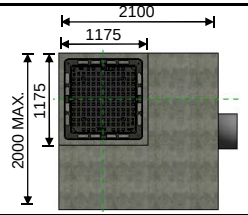
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE 11-2018	DSD-OS-0060
	REVISION 0	

INPUT

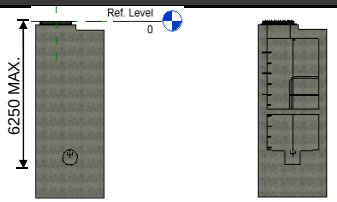
Object Name **SLH-T4_-DSD-CONC-00**

CATEGORY **Generic Models**

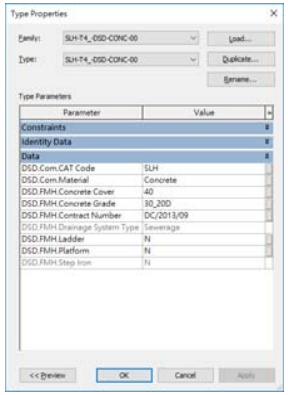
LOD-G **300**



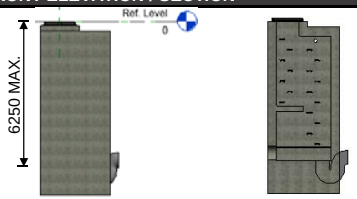
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

2D SYMBOL

Tag_SLH

SLH0060
Type T4_1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1093)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
SLH0060	Type T4_1	-6.250	0.000

SCHEDULE IN DRAWING

渠務署
Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER
	DATE: 07-2020	DSD-OS-0060
	REVISION: 0	

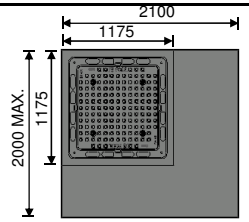
PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

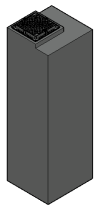
INPUT

Object Name **SLH-T4_-DSD-CONC-00**

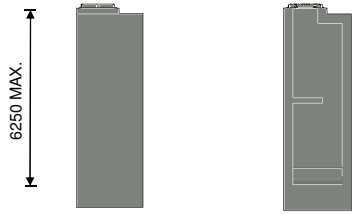
CATEGORY: **Metric Structures**

LOD-G: **200**

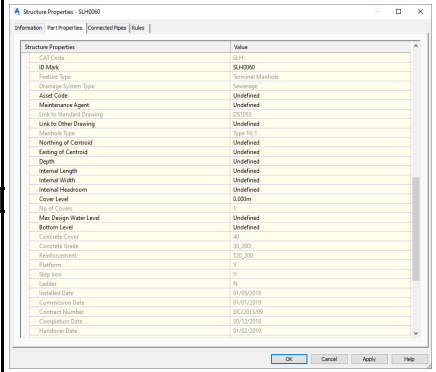




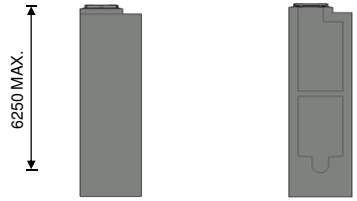
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

2D SYMBOL

Tag_SLH

SLH0060
SLH-T4_-DSD-CONC-00

2D TAG / LABEL / ANNOTATION

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1093)	TENDER / CONSTRUCTION DRAWING
		SCHEDULE IN DRAWING

Manhole Table

DSD.SLH.ID.Mark	DSD.SLH.Manhole Type	DSD.SLH.Invert.Level.A1	DSD.SLH.Cover.Level
SLH0060	Type T4_1	-6.250	0.000

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BIM OBJECT SHEET

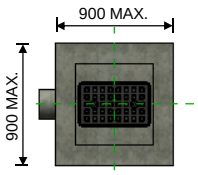
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0061
	DATE 11-2018	
	REVISION 0	

INPUT

Object Name **SLH-T10-DSD-CONC-00**

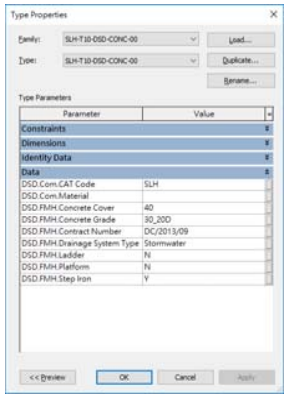
CATEGORY **Generic Models**

LOD-G **300**

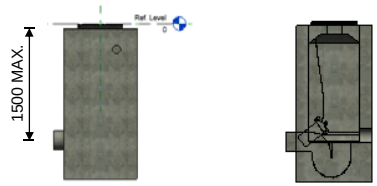


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

2D SYMBOL

Tag_SLH

SLH0061
Type T10_1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1094)	TENDER / CONSTRUCTION DRAWING

<Manhole Schedule>

A	B	C	D
DSD.FMH.ID Mark	DSD.FMH.Manhole Type	DSD.FMH.Invert Level A1	DSD.FMH.Cover Level
SLH0061	Type T10_1	-1.500	0.000

SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

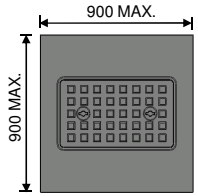
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0061
	DATE: 07-2020	
	REVISION: 0	

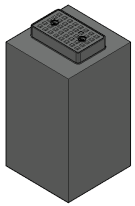
INPUT

Object Name **SLH-T10-DSD-CONC-00**

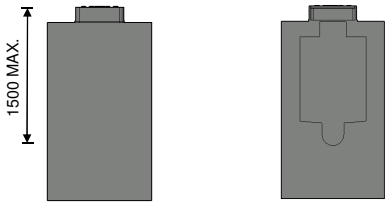
CATEGORY: **Metric Structures**

LOD-G: **200**

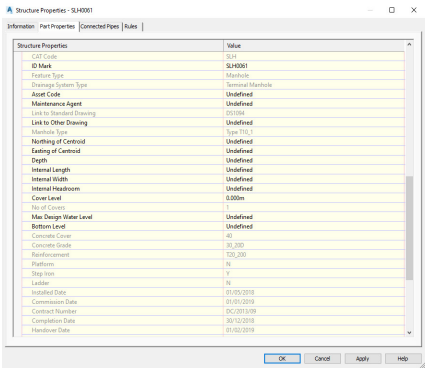




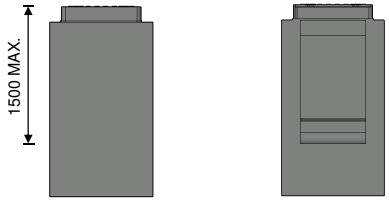
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SLH

2D SYMBOL

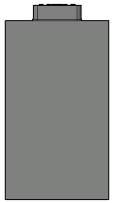
Tag_SLH

SLH0061
SLH-T10-DSD-CONC-00

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1094)	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Manhole Table

DSD.SLH.ID.Mark	DSD.SLH.Manhole Type	DSD.SLH.Invert.Level.A1	DSD.SLH.Cover.Level
SLH0061	Type T10_1	-1.500	0.000

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	DSD-OS-0062
	DATE 11-2018	
	REVISION 0	

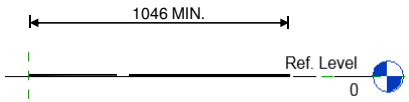
INPUT

Object Name **TTH-LOG-DSD-SS-CIC_00**

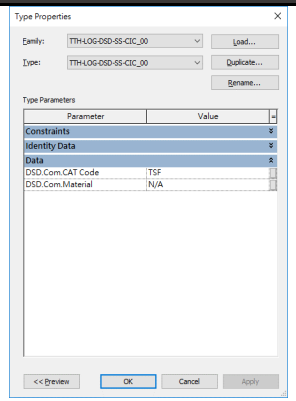
CATEGORY **Generic Models**

LOD-G **300**

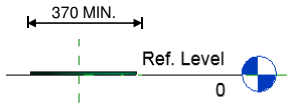
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
建造業 CONSTRUCTION INDUSTRY 專業團隊 • 優質建造 Professional Corps • Quality Construction	N.A.	PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Refer to DSD Standard Drawing (DS1095)	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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BIM OBJECT SHEET

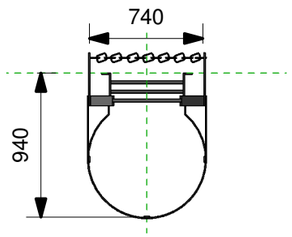
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0201**
	DATE **05-2020**	
	REVISION **0**	

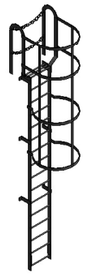
INPUT

Object Name **ALA-CAT-DSD-SS-AB**

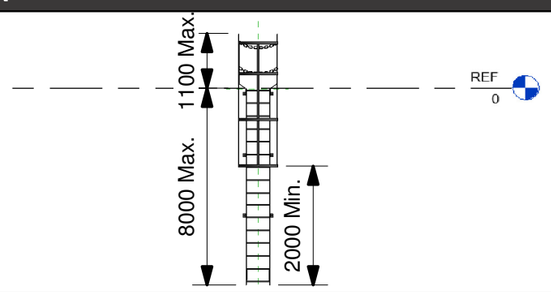
CATEGORY **Generic Models**

LOD-G **300**

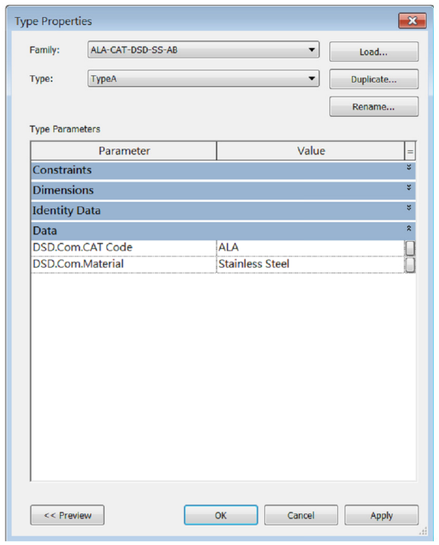




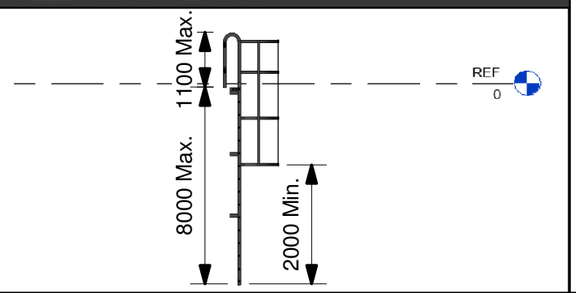
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

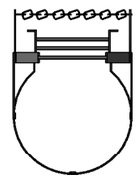
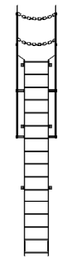
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Access Ladder Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ALA	01/04/2019	01/04/2019	Mild Steel

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BIM OBJECT SHEET

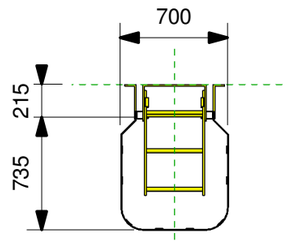
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0202**
	DATE **05-2020**	
	REVISION **0**	

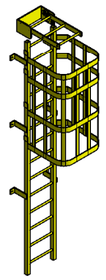
INPUT

Object Name **ALA-CAT-DSD-FRP-CD**

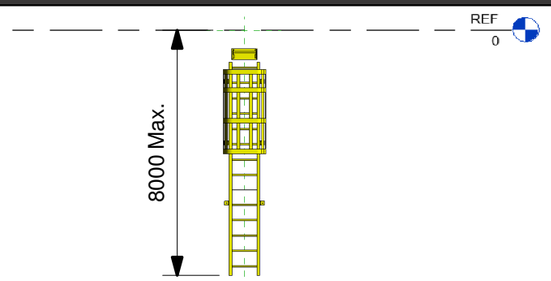
CATEGORY **Generic Models**

LOD-G **300**

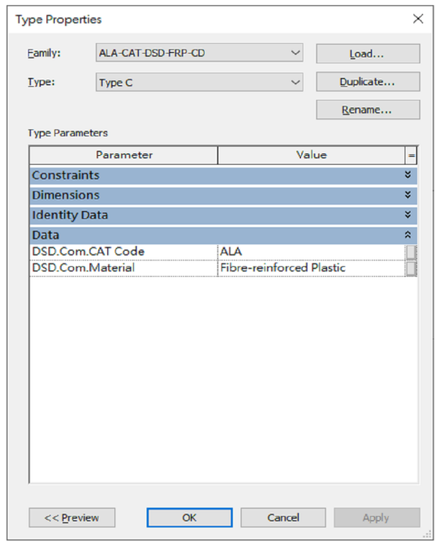




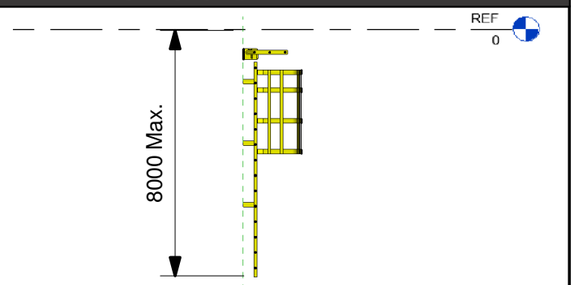
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

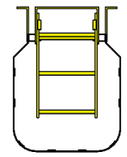
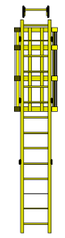
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Access Ladder Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ALA	01/04/2019	01/04/2019	Fibre-reinforced Plastic

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BIM OBJECT SHEET

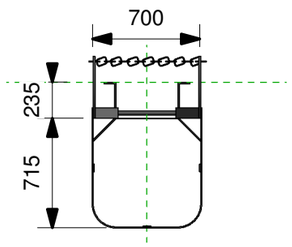
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0203**
	DATE **05-2020**	
	REVISION **0**	

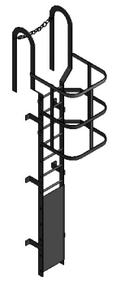
INPUT

Object Name **ALA-CAT-DSD-SS-E**

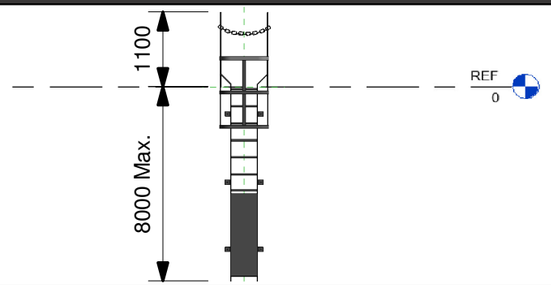
CATEGORY **Generic Models**

LOD-G **300**

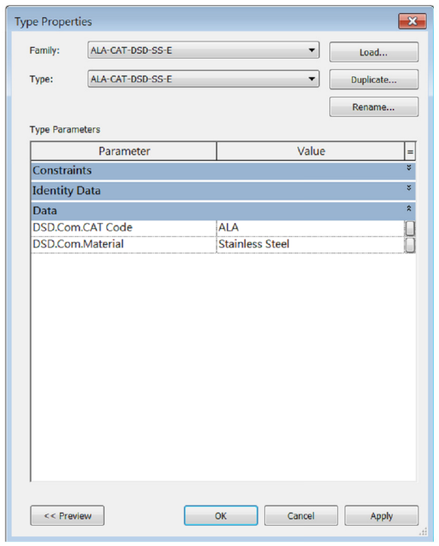




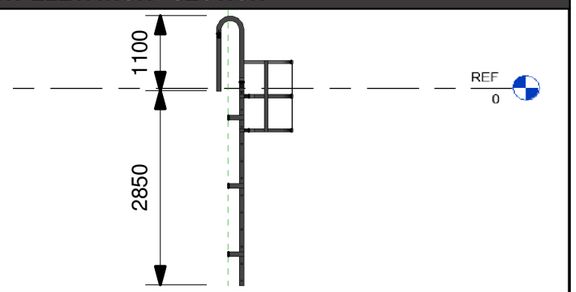
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

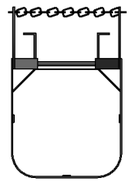
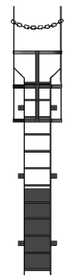
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Access Ladder Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ALA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

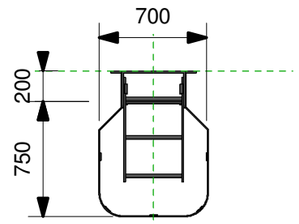
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0204**
	DATE **05-2020**	
	REVISION **0**	

INPUT

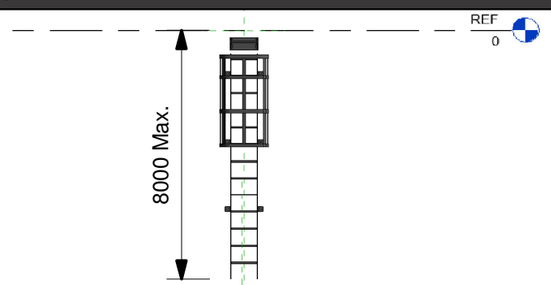
Object Name **ALA-CAT-DSD-SS-F**

CATEGORY **Generic Models**

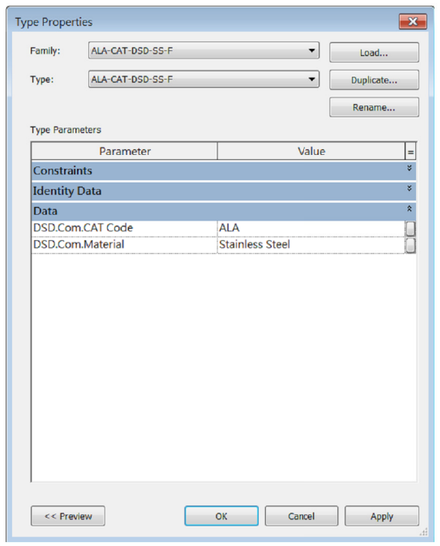
LOD-G **300**



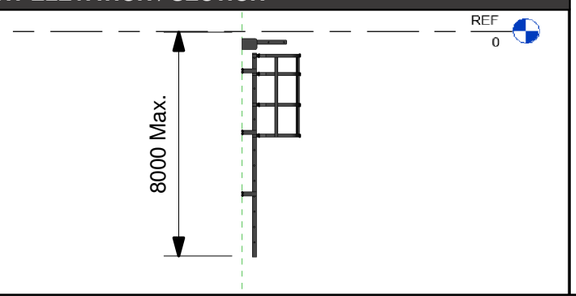
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

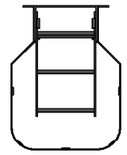
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Access Ladder Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ALA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

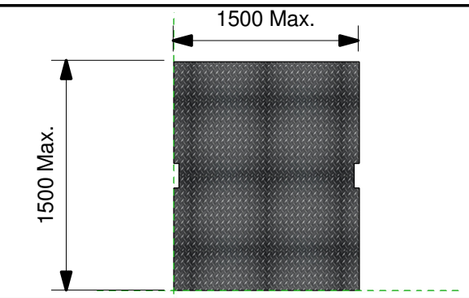
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0205**
	DATE **05-2020**	
	REVISION **0**	

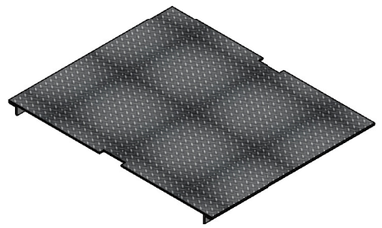
INPUT

Object Name **ACP-___-DSD-AL-___**

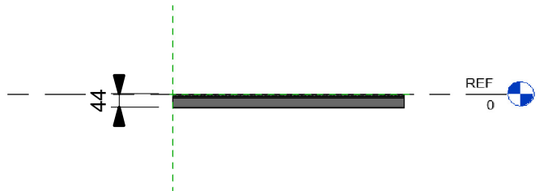
CATEGORY **Generic Models**

LOD-G **300**

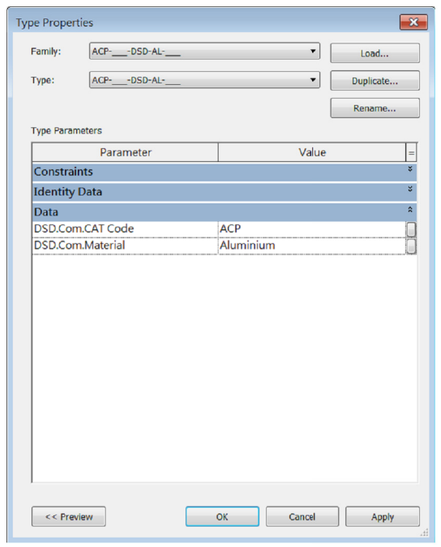




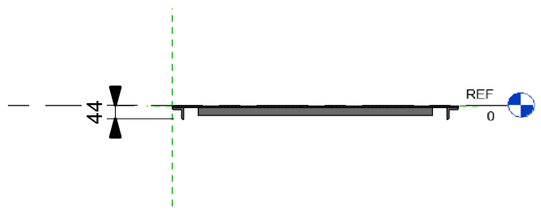
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

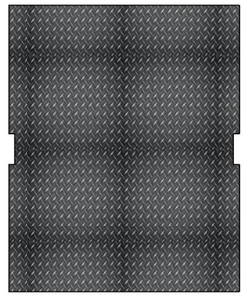
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Chequer Plate Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ACP	01/04/2019	01/04/2019	Aluminium

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Drainage Services Department

BIM OBJECT SHEET

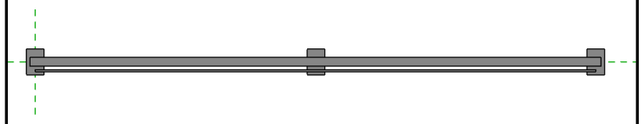
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0206**
	DATE **05-2020**	
	REVISION **0**	

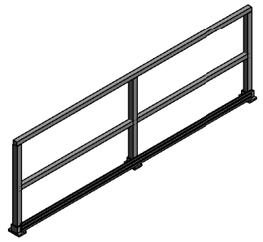
INPUT

Object Name **ABA-HRD-DSD-FRP-___**

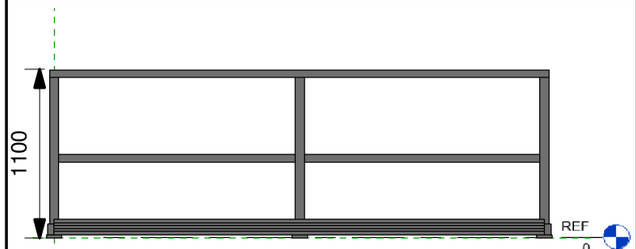
CATEGORY **Railing**

LOD-G **300**

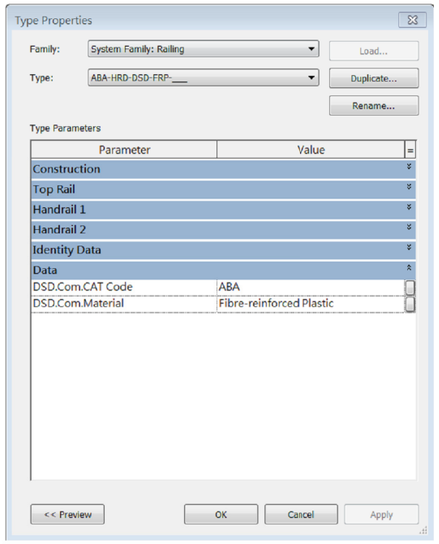




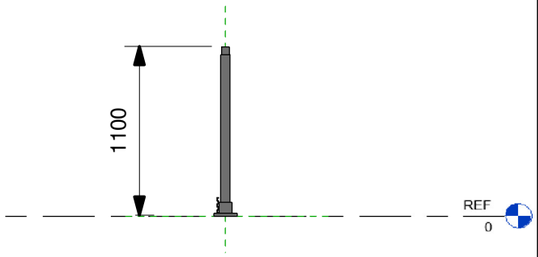
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

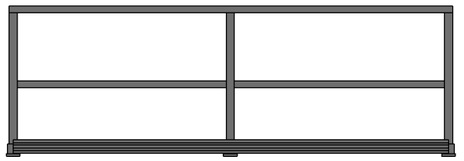
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Handrailing, Fencing Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ABA	01/04/2019	01/04/2019	Fibre-reinforced Plastic

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BIM OBJECT SHEET

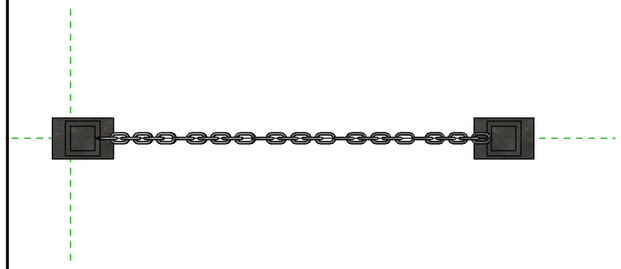
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0207**
	DATE **05-2020**	
	REVISION **0**	

INPUT

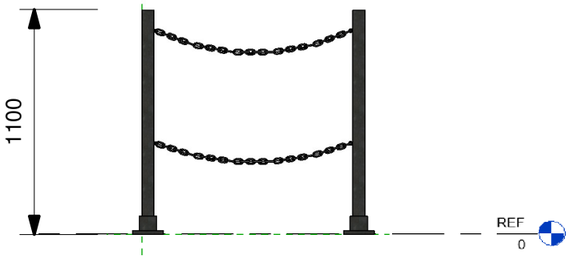
Object Name **ABA-HSC-DSD-SS-___**

CATEGORY **Generic Models**

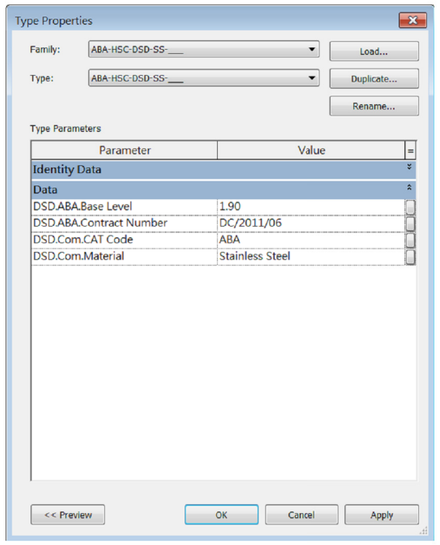
LOD-G **300**



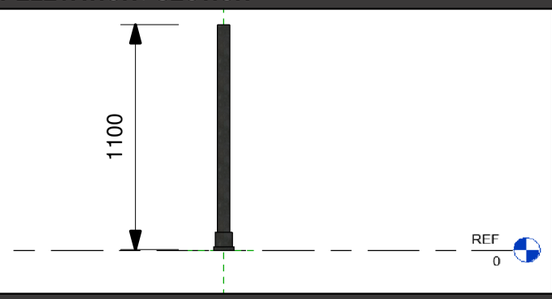
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

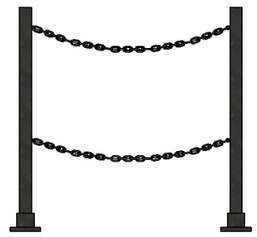
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Handrailing, Fencing Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ABA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

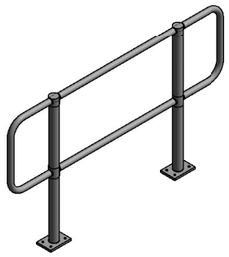
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0208**
	DATE **05-2020**	
	REVISION **0**	

INPUT

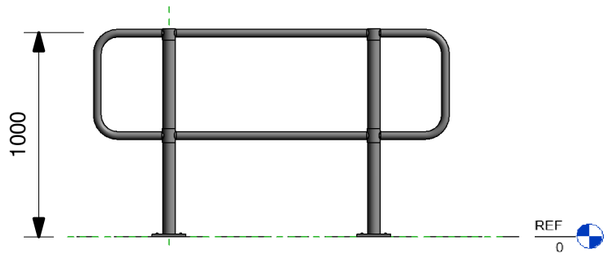
Object Name **ABA-HRD-DSD-AL-___**

CATEGORY **Railing**

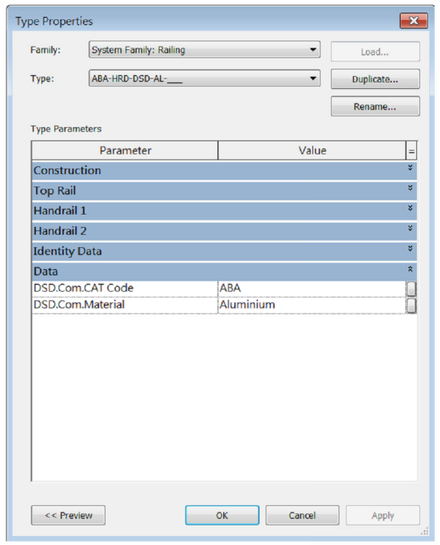
LOD-G **300**



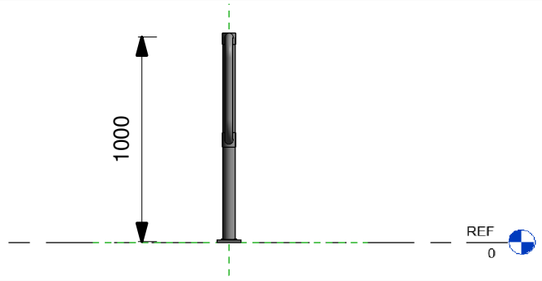
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

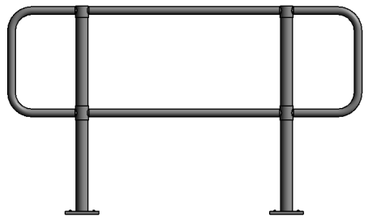
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Handrailing, Fencing Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ABA	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

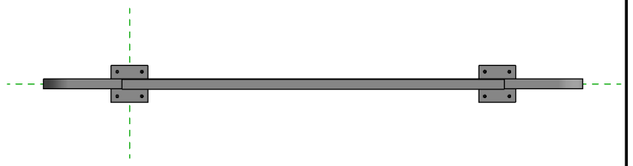
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0209**
	DATE **05-2020**	
	REVISION **0**	

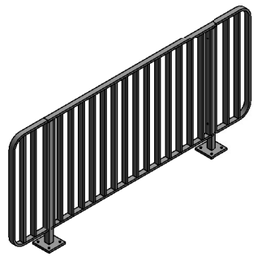
INPUT

Object Name **ABA-H2A-DSD-AL-___**

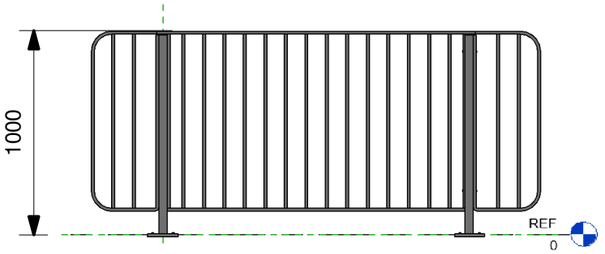
CATEGORY **Railing**

LOD-G **300**

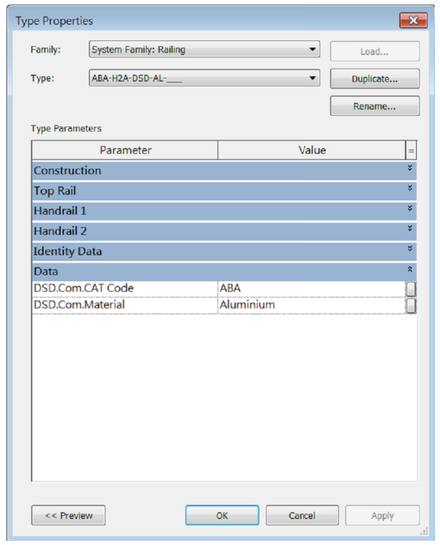




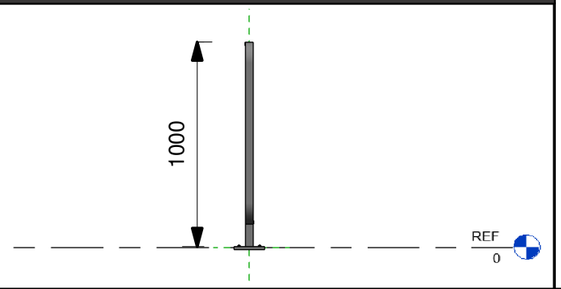
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

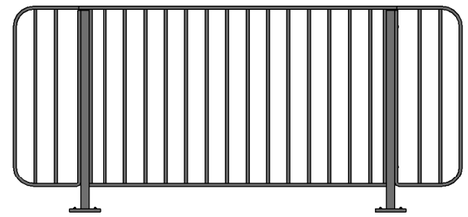
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Handrailing, Fencing Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ABA	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

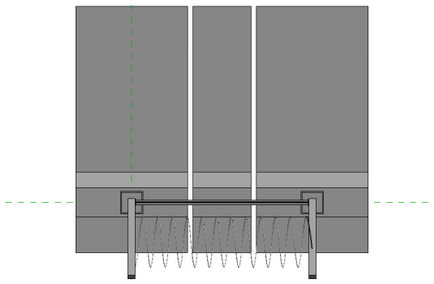
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0210**
	DATE **05-2020**	
	REVISION **0**	

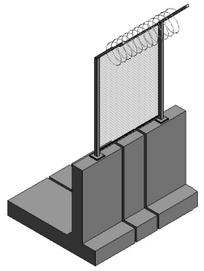
INPUT

Object Name **ABA-FPB-DSD-SS-___**

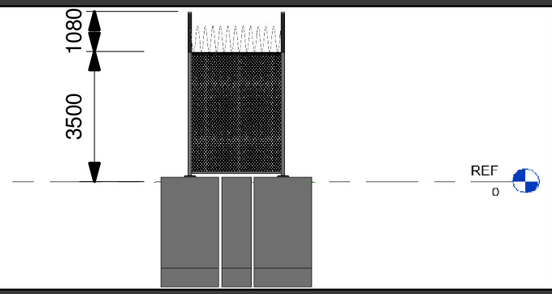
CATEGORY **Railing**

LOD-G **300**

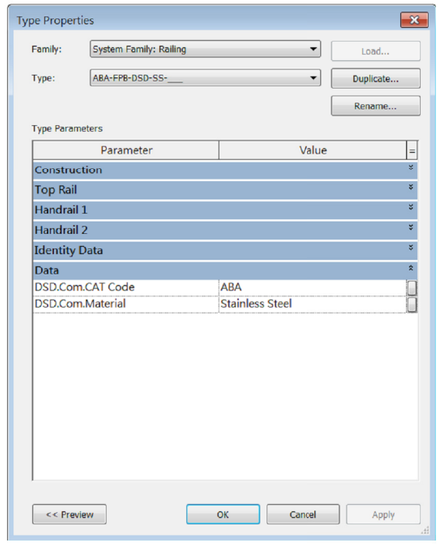




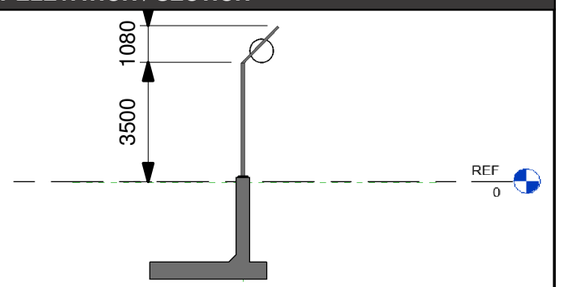
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

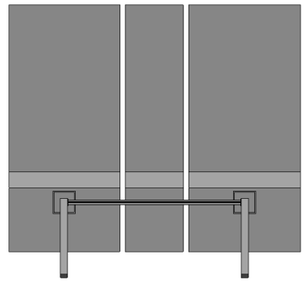
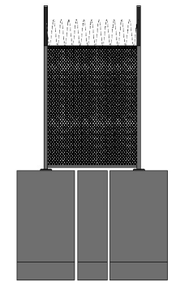
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Handrailing, Fencing Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ABA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

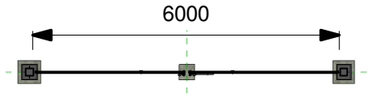
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0211**
	DATE **05-2020**	
	REVISION **0**	

INPUT

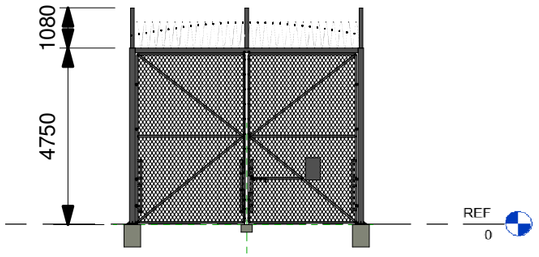
Object Name **AGT-VEH-DSD-GMS-___**

CATEGORY **Generic Models**

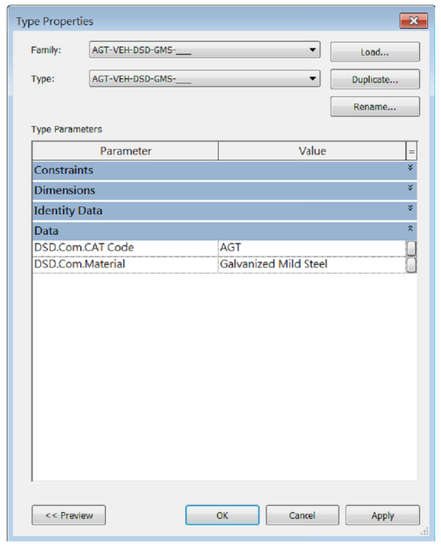
LOD-G **300**



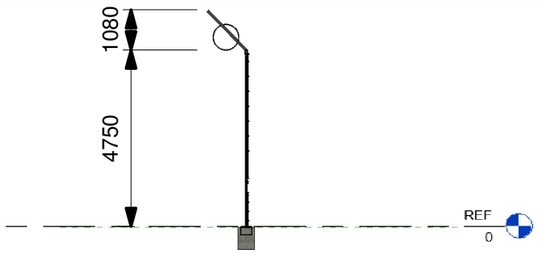
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AGT

2D SYMBOL

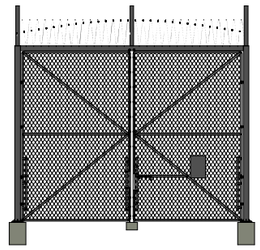
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Gate Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AGT	01/04/2019	01/04/2019	Galvanized Mild Steel

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Drainage Services Department

BIM OBJECT SHEET

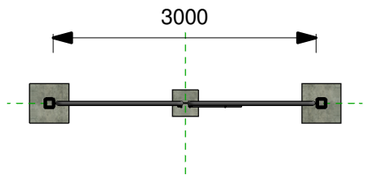
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0212**
	DATE **05-2020**	
	REVISION **0**	

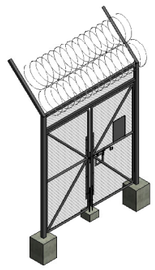
INPUT

Object Name **AGT-PED-DSD-GMS-___**

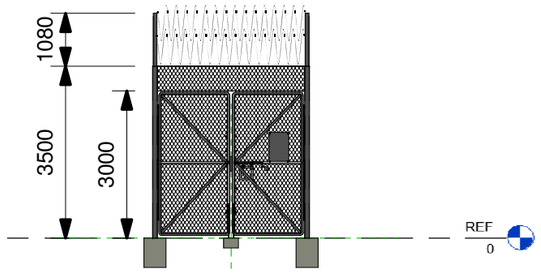
CATEGORY **Generic Models**

LOD-G **300**

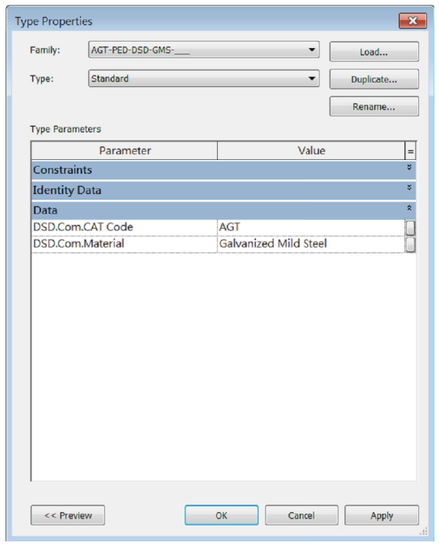




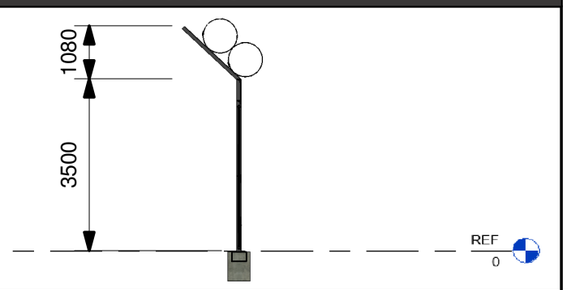
PLAN



3D



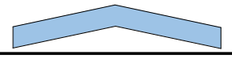
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY



Anno_AGT

2D SYMBOL

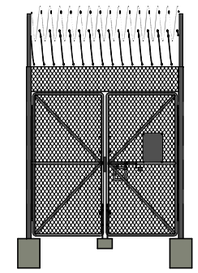
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Gate Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AGT	01/04/2019	01/04/2019	Galvanized Mild Steel

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BIM OBJECT SHEET

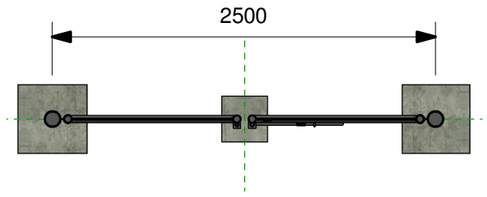
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0213**
	DATE **05-2020**	
	REVISION **0**	

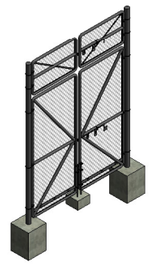
INPUT

Object Name **AGT-ACC-DSD-GMS-___**

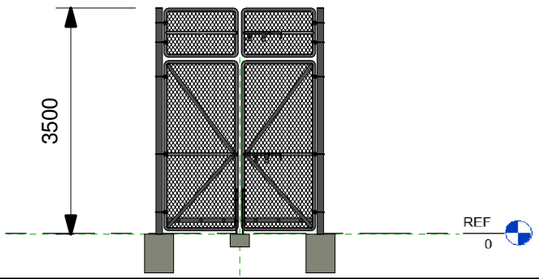
CATEGORY **Generic Models**

LOD-G **300**

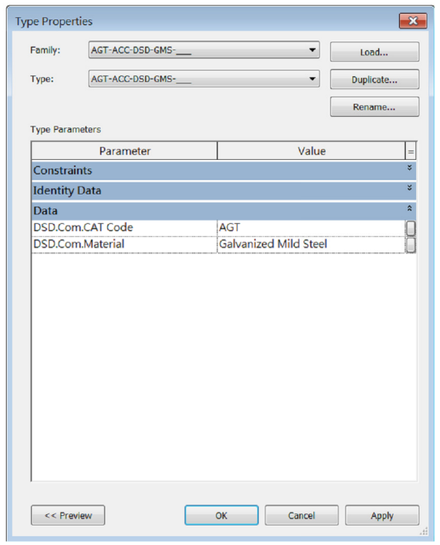




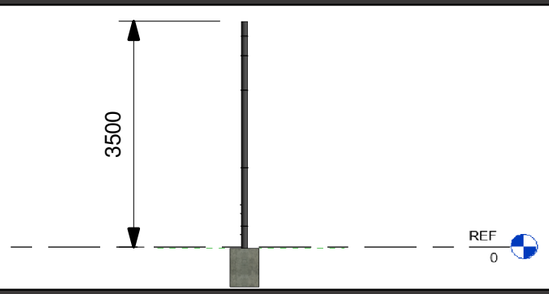
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AGT

2D SYMBOL

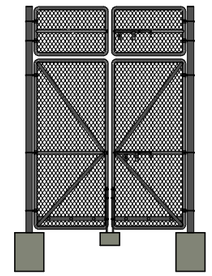
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Gate Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AGT	01/04/2019	01/04/2019	Galvanized Mild Steel

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BIM OBJECT SHEET

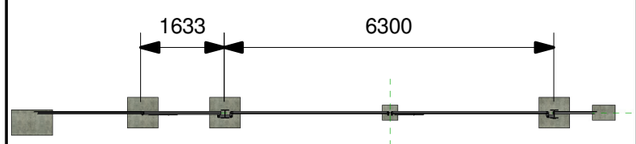
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0214**
	DATE **05-2020**	
	REVISION **0**	

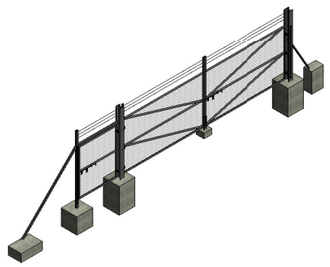
INPUT

Object Name **AGT-CLF-DSD-GMS-TYP_1**

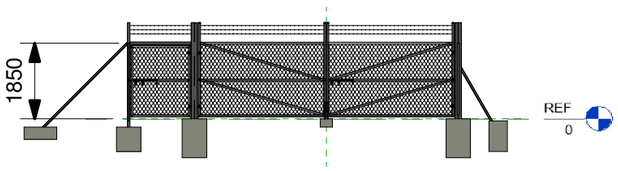
CATEGORY **Generic Models**

LOD-G **300**





PLAN



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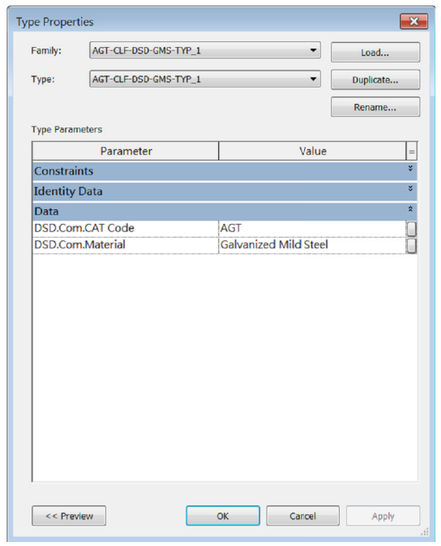
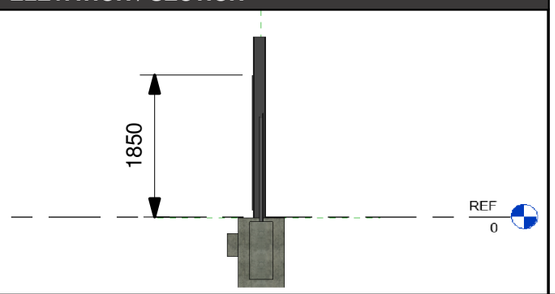


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AGT

2D SYMBOL

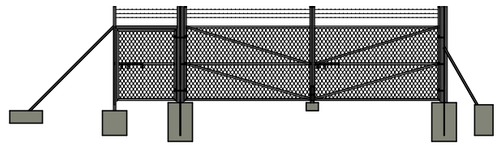
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Gate Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AGT	01/04/2019	01/04/2019	Galvanized Mild Steel

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BIM OBJECT SHEET

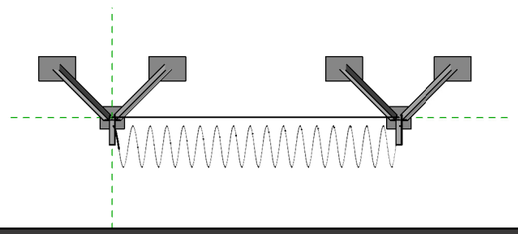
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0215**
	DATE **05-2020**	
	REVISION **0**	

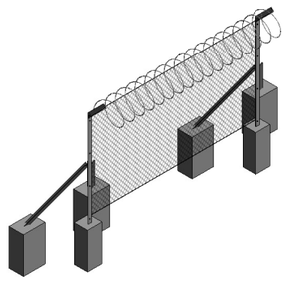
INPUT

Object Name **ABA-FCL-DSD-GMS-___**

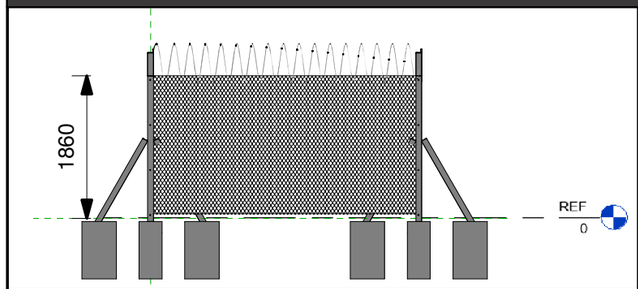
CATEGORY **Railing**

LOD-G **300**

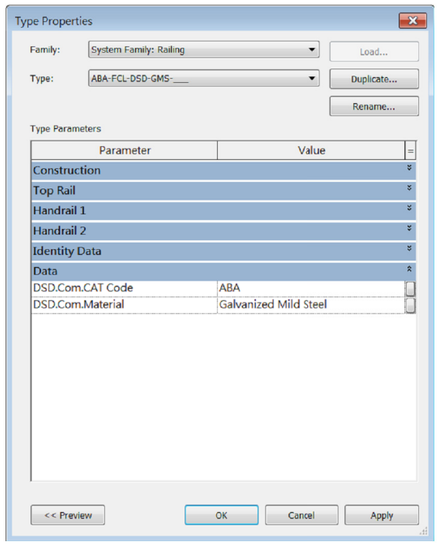




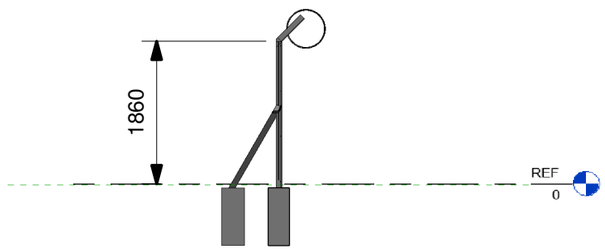
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

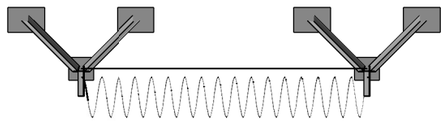
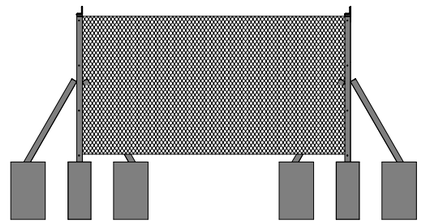
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Handrailing, Fencing Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ABA	01/04/2019	01/04/2019	Galvanized Mild Steel

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Drainage Services Department

BIM OBJECT SHEET

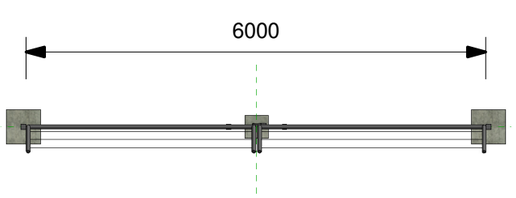
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0216**
	DATE **05-2020**	
	REVISION **0**	

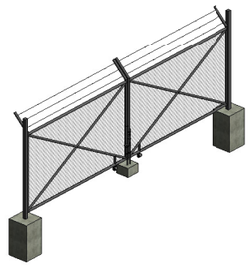
INPUT

Object Name **AGT-CLF-DSD-GMS-TYP_2**

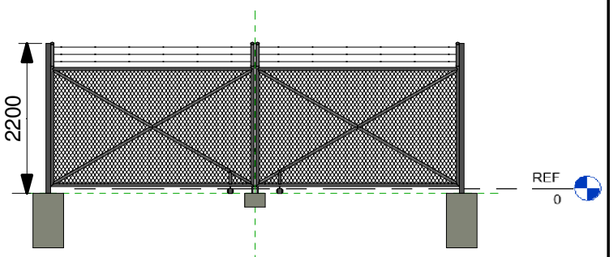
CATEGORY **Generic Models**

LOD-G **300**

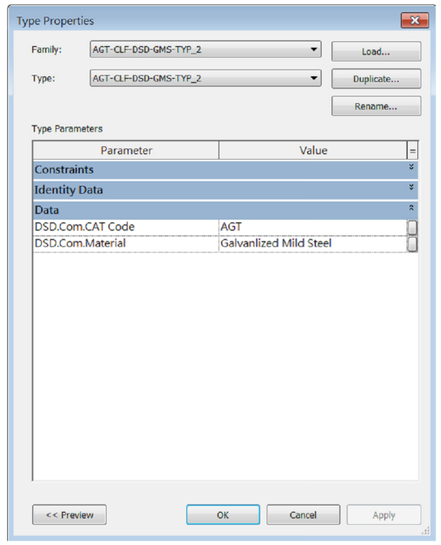




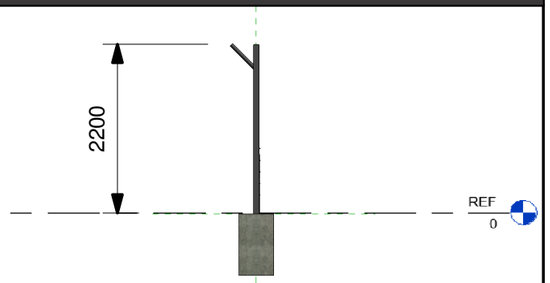
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AGT

2D SYMBOL

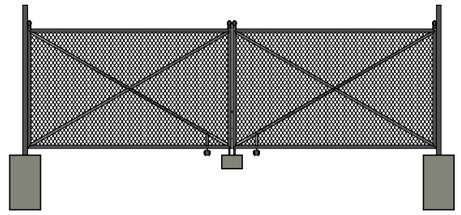
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Gate Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AGT	01/04/2019	01/04/2019	Galvanlized Mild Steel

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BIM OBJECT SHEET

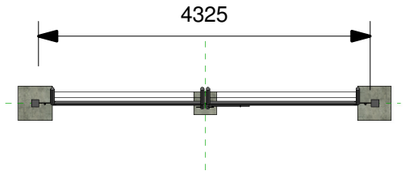
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0217**
	DATE **05-2020**	
	REVISION **0**	

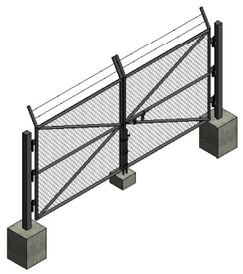
INPUT

Object Name **AGT-CLF-DSD-GMS-TYP_3**

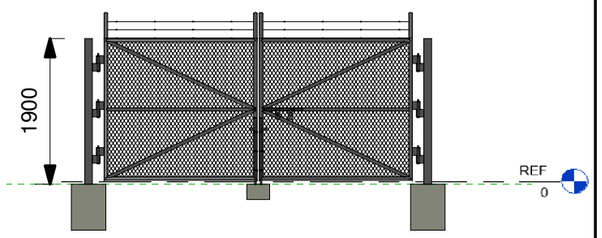
CATEGORY **Generic Models**

LOD-G **300**





PLAN



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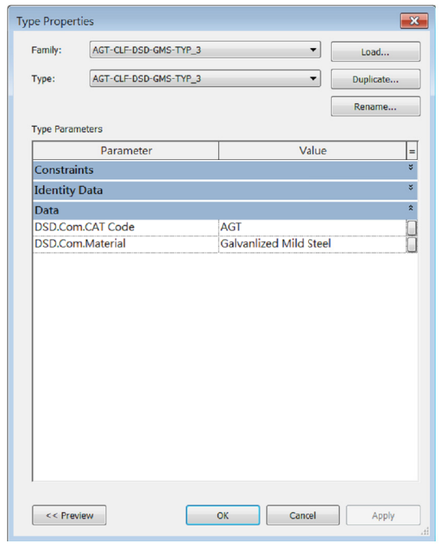
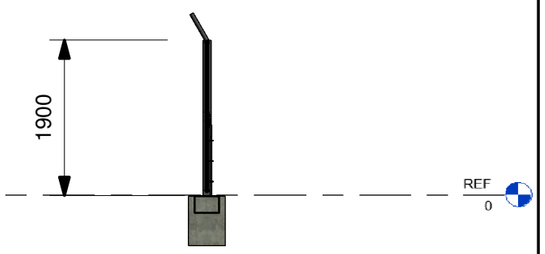


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AGT

2D SYMBOL

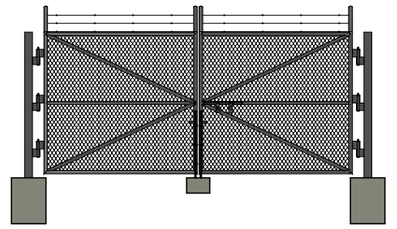
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Gate Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AGT	01/04/2019	01/04/2019	Galvanlized Mild Steel

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Drainage Services Department

BIM OBJECT SHEET

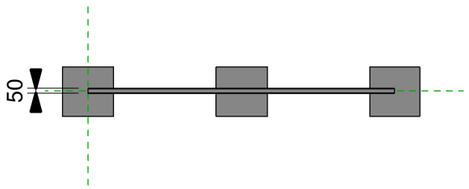
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0218**
	DATE **05-2020**	
	REVISION **0**	

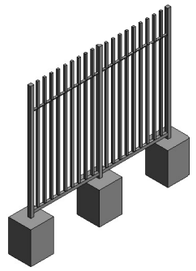
INPUT

Object Name **ABA-FHD-DSD-GMS-___**

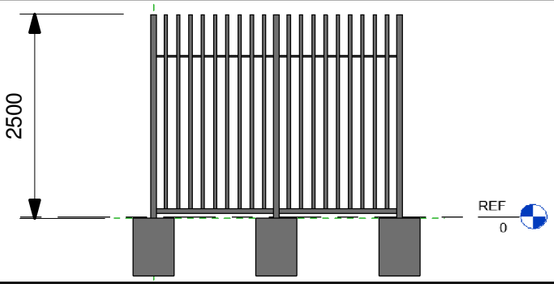
CATEGORY **Railing**

LOD-G **300**

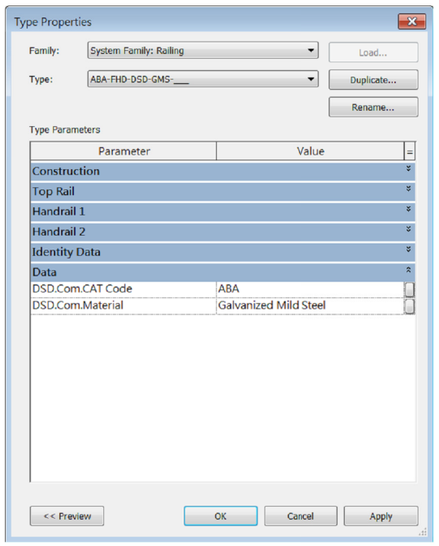




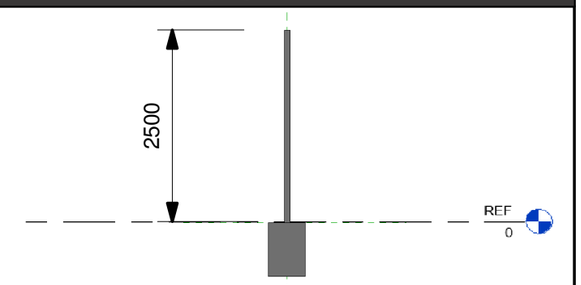
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

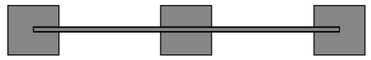
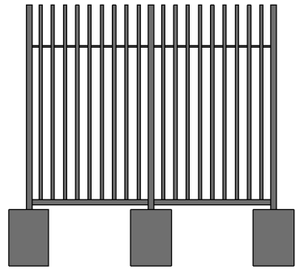
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Handrailing, Fencing Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ABA	01/04/2019	01/04/2019	Galvanized Mild Steel

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BIM OBJECT SHEET

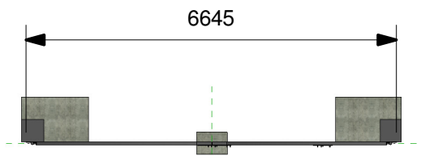
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0219**
	DATE **05-2020**	
	REVISION **0**	

INPUT

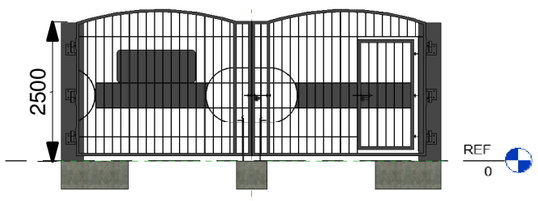
Object Name **AGT-SSE-DSD-SS-___**

CATEGORY **Generic Models**

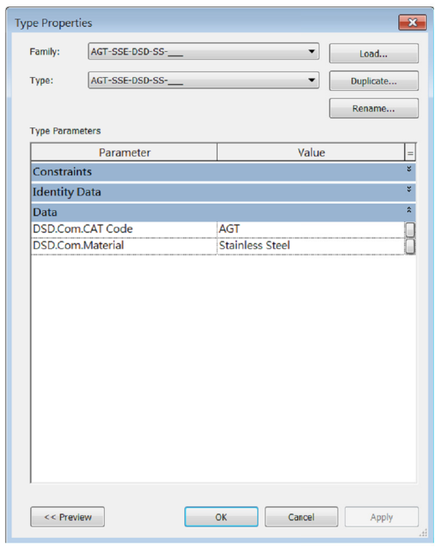
LOD-G **300**



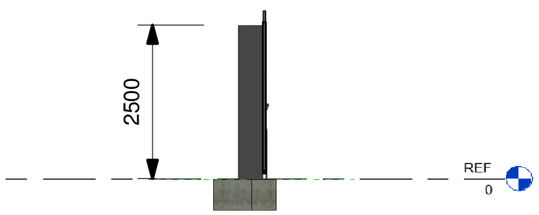
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AGT

2D SYMBOL

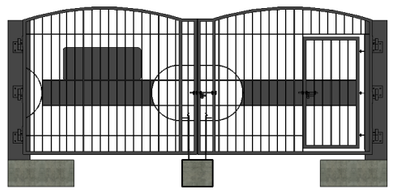
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Gate Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AGT	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

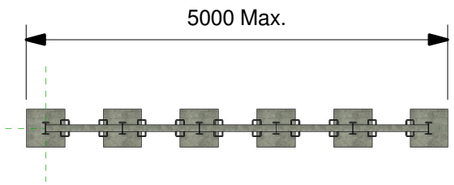
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0220**
	DATE **05-2020**	
	REVISION **0**	

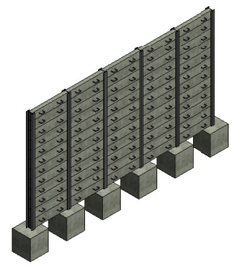
INPUT

Object Name **AGT-FPA-DSD-CONC-___**

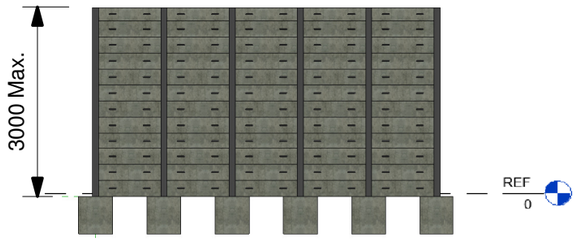
CATEGORY **Generic Models**

LOD-G **300**

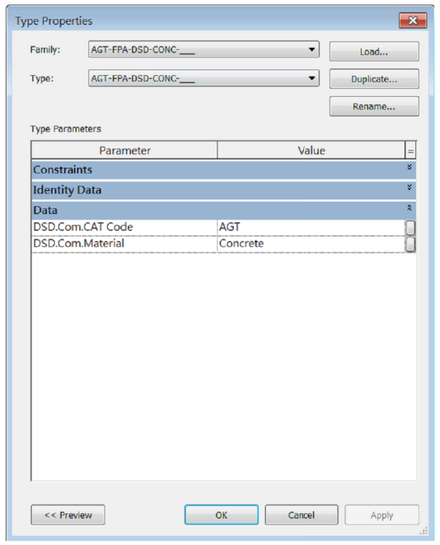




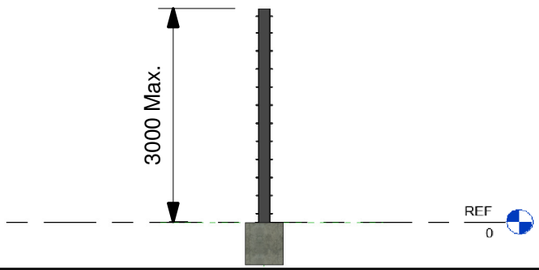
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

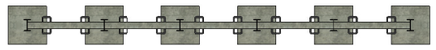
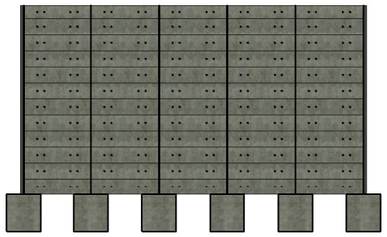
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Gate Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AGT	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

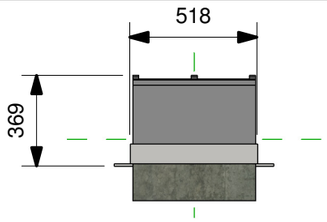
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0221**
	DATE **07-2020**	
	REVISION **0**	

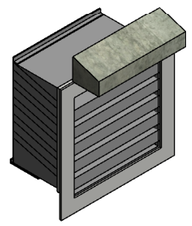
INPUT

Object Name **AWD-LOU-DSD-SS-AC**

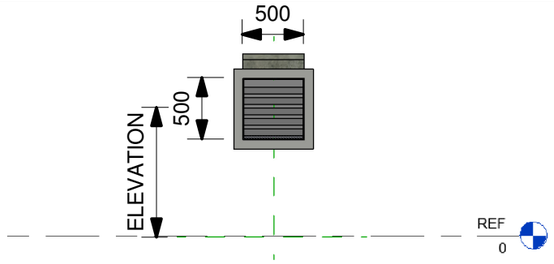
CATEGORY **Window**

LOD-G **300**

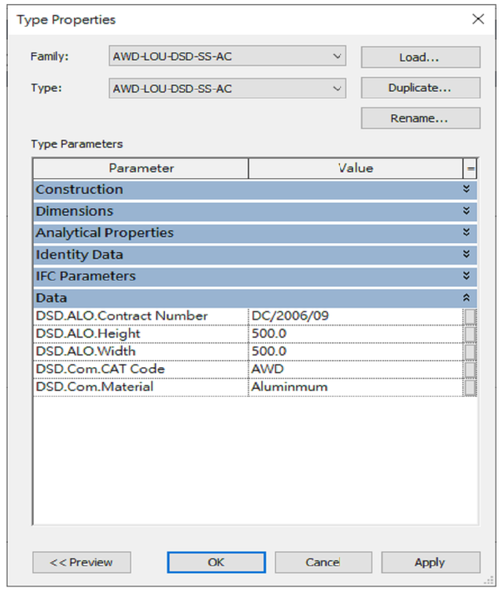




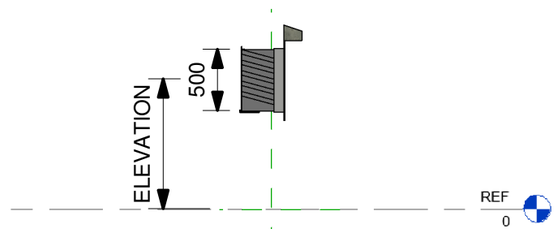
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AWD

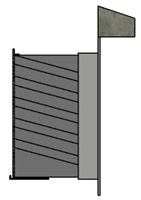
2D SYMBOL

Tag_AWD

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Window Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AWD	01/01/2019	01/05/2018	Aluminmum

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BIM OBJECT SHEET

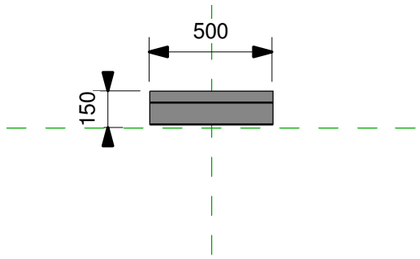
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0222**
	DATE **07-2020**	
	REVISION **0**	

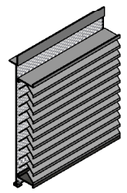
INPUT

Object Name **AWD-LOU-DSD-SS-TYP_1**

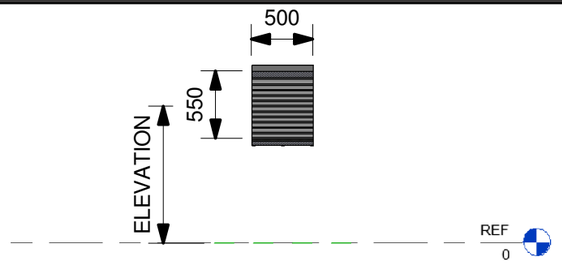
CATEGORY **Window**

LOD-G **300**

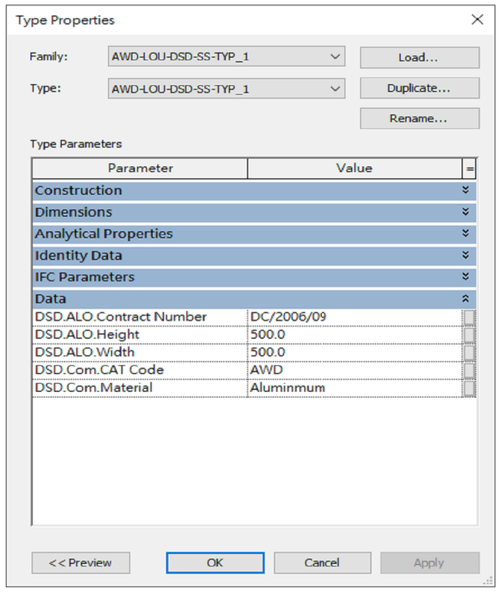




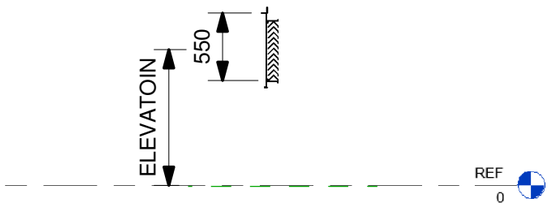
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AWD

2D SYMBOL

Tag_AWD

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Window Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AWD	01/01/2019	01/05/2018	Aluminmum

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BIM OBJECT SHEET

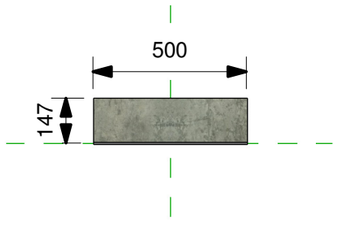
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0223**
	DATE **07-2020**	
	REVISION **0**	

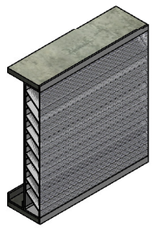
INPUT

Object Name **AWD-LOU-DSD-SS-TYP_2**

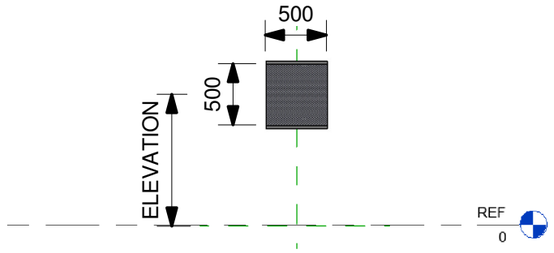
CATEGORY **Window**

LOD-G **300**

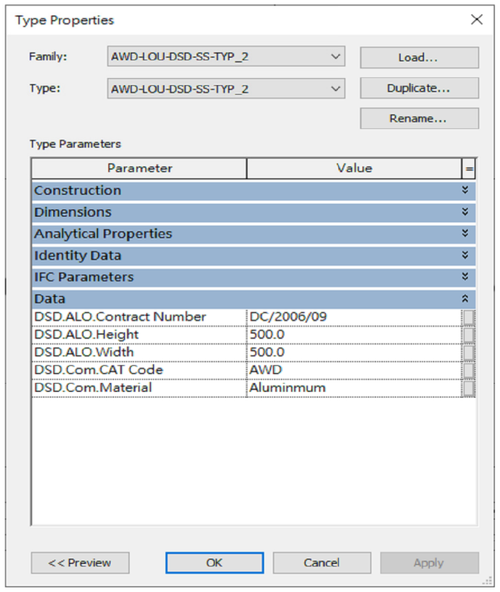




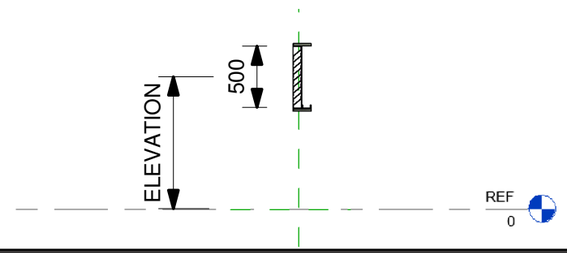
PLAN



3D



FRONT ELEVATION / SECTION

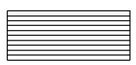


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_AWD



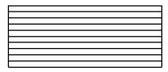
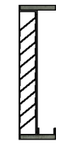
2D SYMBOL

Tag_AWD

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Window Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
AWD	01/01/2019	01/05/2018	Aluminmum

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BIM OBJECT SHEET

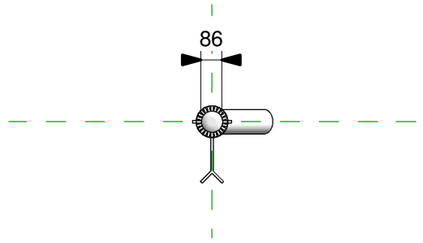
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0224**
	DATE **07-2020**	
	REVISION **0**	

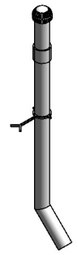
INPUT

Object Name **ADP-T1_-DSD-PVC-GRT**

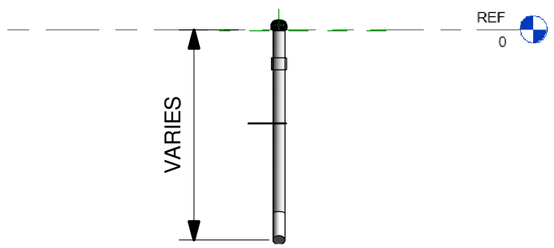
CATEGORY **Generic Models**

LOD-G **300**

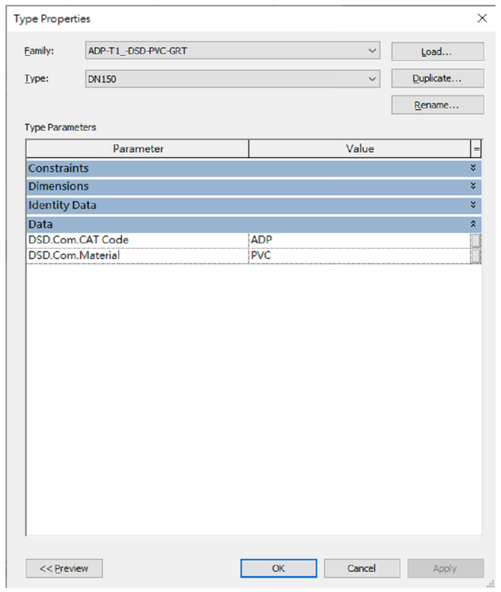




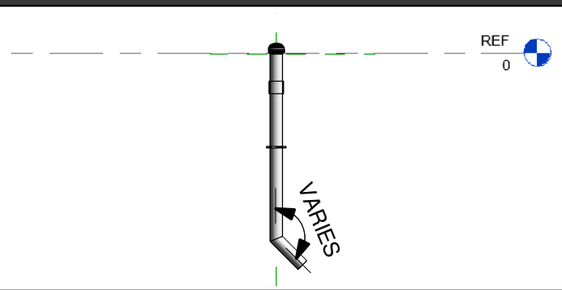
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

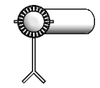
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Downpipe Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ADP	01/01/2019	01/05/2018	PVC

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BIM OBJECT SHEET

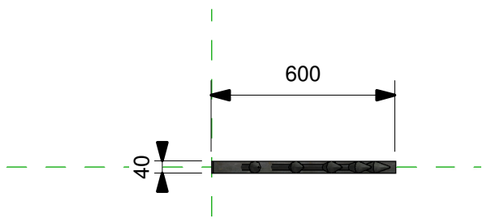
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0225**
	DATE **07-2020**	
	REVISION **0**	

INPUT

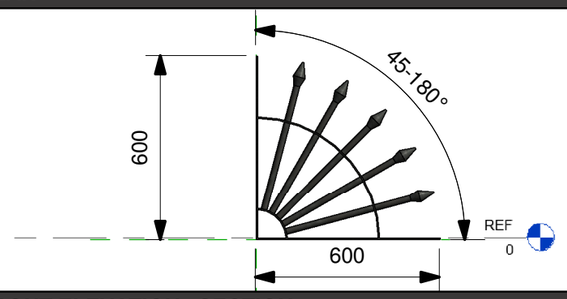
Object Name **ABA-SG_-DSD-GMS-___**

CATEGORY **Generic Models**

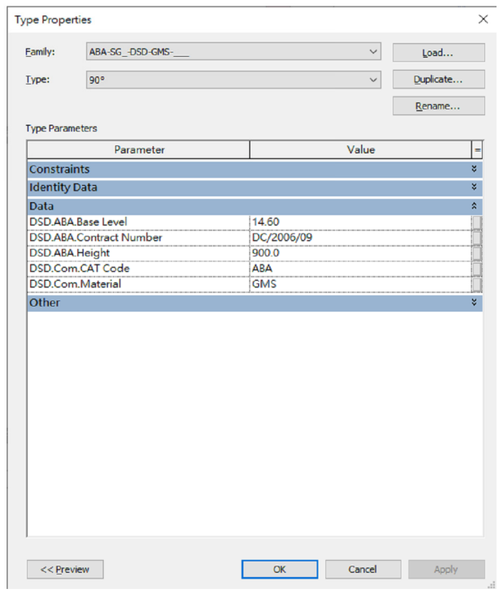
LOD-G **300**



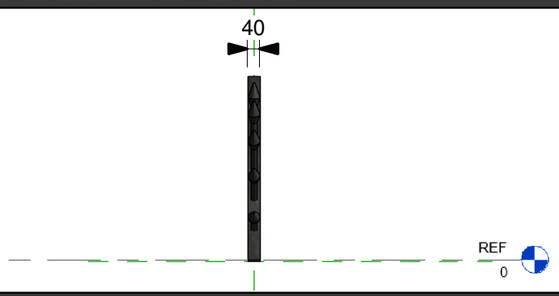
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Handrailing, Fencing Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ABA	01/01/2019	01/05/2018	GMS

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BIM OBJECT SHEET

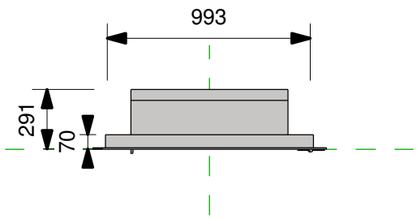
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0226**
	DATE **07-2020**	
	REVISION **0**	

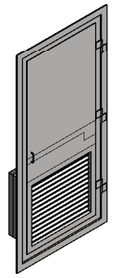
INPUT

Object Name **ADO-SF1-DSD-SS-TYP_1**

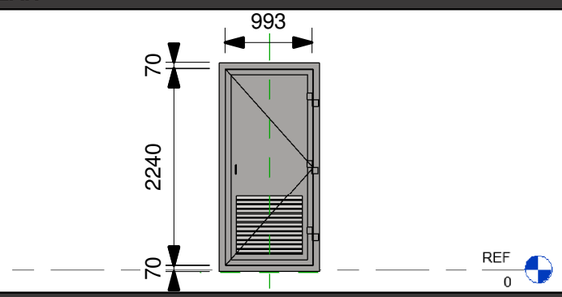
CATEGORY **Door**

LOD-G **300**

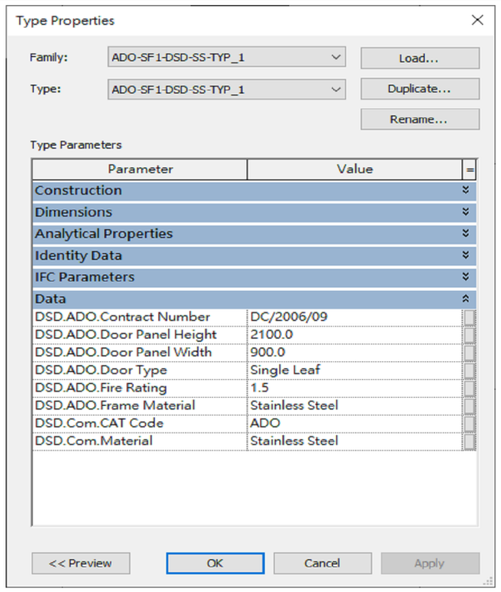




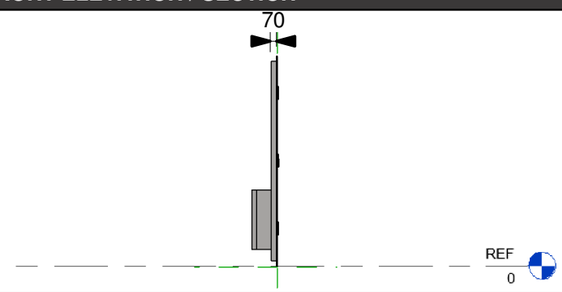
PLAN



3D



FRONT ELEVATION / SECTION

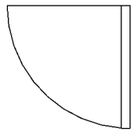


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ADO



2D SYMBOL

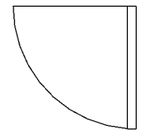
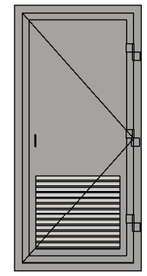
Tag_ADO

D1

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Door Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ADO	01/01/2019	01/05/2018	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

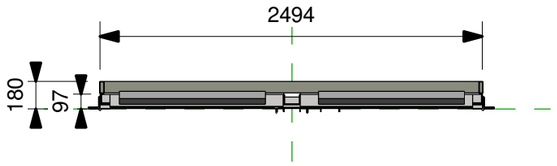
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0227**
	DATE **07-2020**	
	REVISION **0**	

INPUT

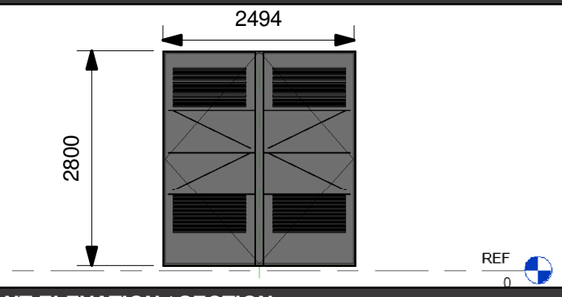
Object Name **ADO-DF1-DSD-SS-TYP_1**

CATEGORY **Door**

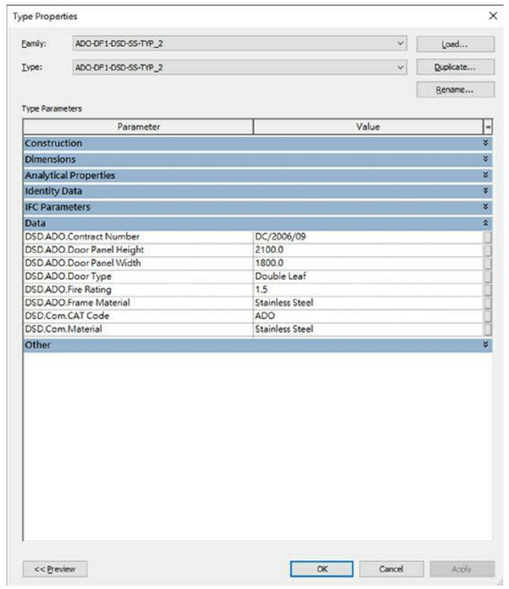
LOD-G **300**



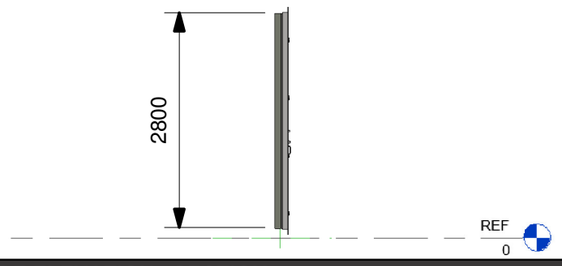
PLAN



3D



FRONT ELEVATION / SECTION

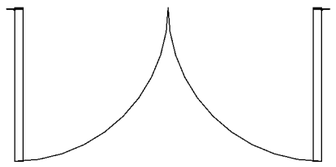


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ADO



2D SYMBOL

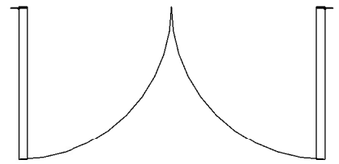
Tag_ADO

D2

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Door Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ADO	01/01/2019	01/05/2018	Stainless Steel

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BIM OBJECT SHEET

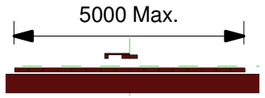
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0228**
	DATE **07-2020**	
	REVISION **0**	

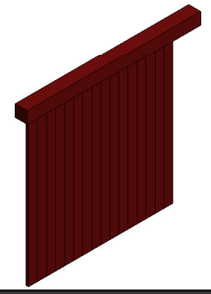
INPUT

Object Name **ADO-FD1-DSD-SS-TYP_1**

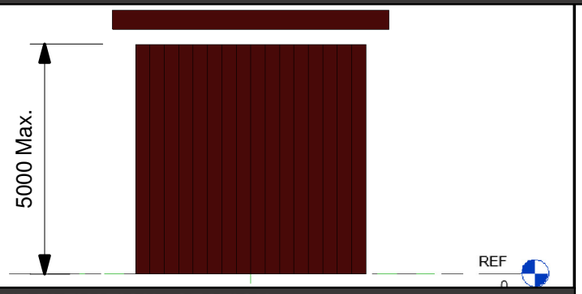
CATEGORY **Door**

LOD-G **300**

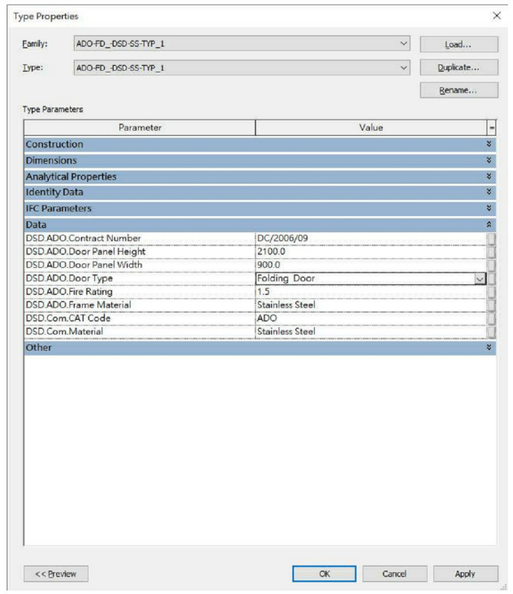




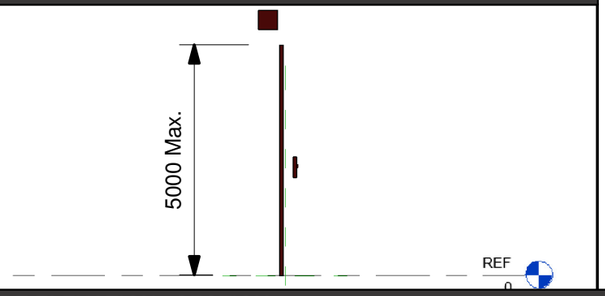
PLAN



3D



FRONT ELEVATION / SECTION

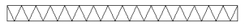


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ADO



2D SYMBOL

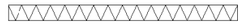
Tag_ADO

D3

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Door Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ADO	01/01/2019	01/05/2018	Stainless Steel

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BIM OBJECT SHEET

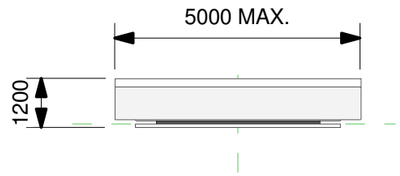
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0229**
	DATE **07-2020**	
	REVISION **0**	

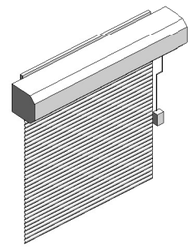
INPUT

Object Name **ADO-RS1-DSD-SS-TYP_1**

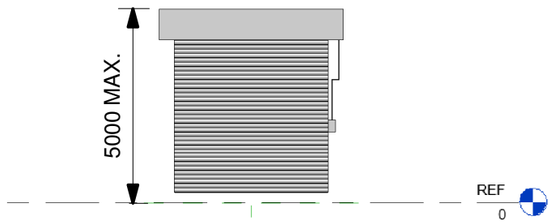
CATEGORY **Door**

LOD-G **300**

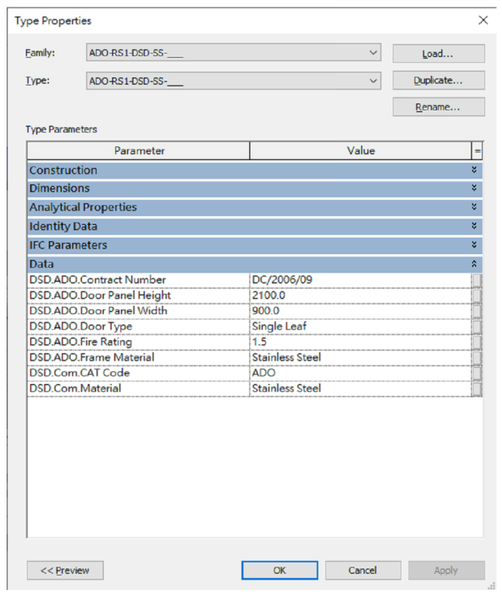




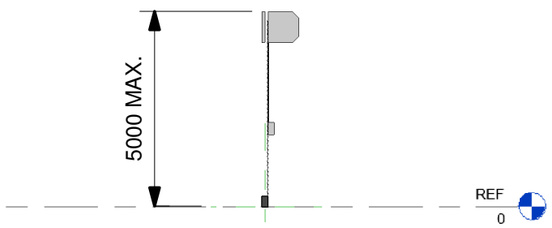
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Door Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ADO	01/01/2019	01/05/2018	Stainless Steel

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BIM OBJECT SHEET

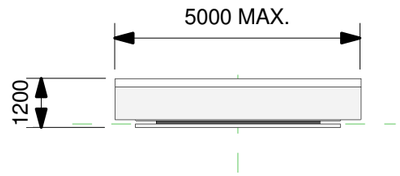
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0229**
	DATE **07-2020**	
	REVISION **0**	

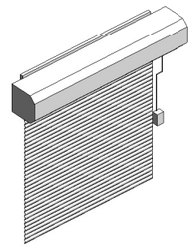
INPUT

Object Name **ADO-RS1-DSD-SS-TYP_1**

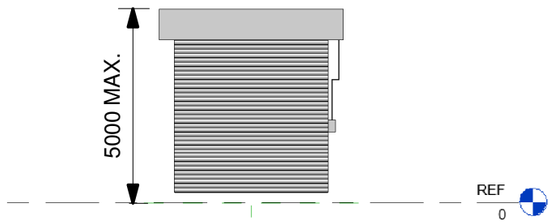
CATEGORY **Door**

LOD-G **300**

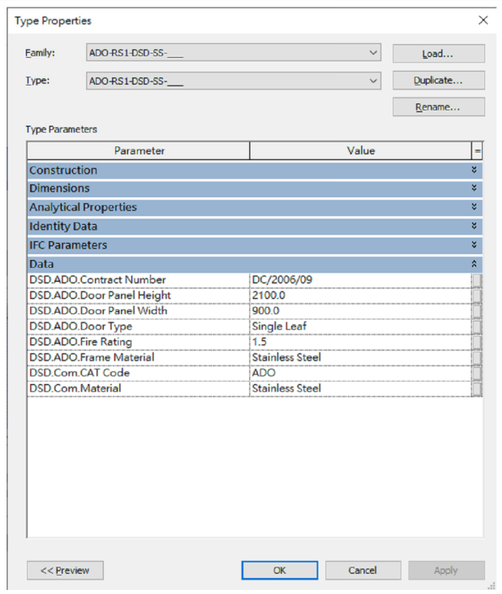




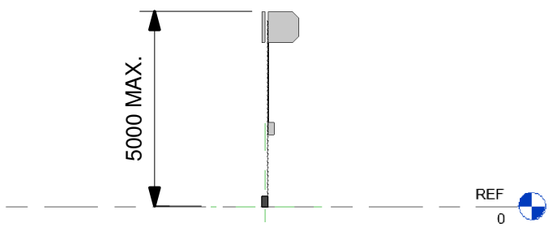
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Architectural Door Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ADO	01/01/2019	01/05/2018	Stainless Steel

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BIM OBJECT SHEET

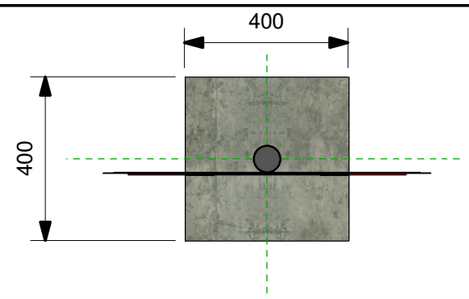
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0601**
	DATE **05-2020**	
	REVISION **0**	

INPUT

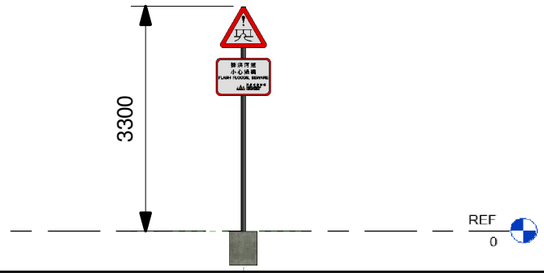
Object Name **TTH-SG_-DSD-AL-FW_HAD**

CATEGORY **Generic Models**

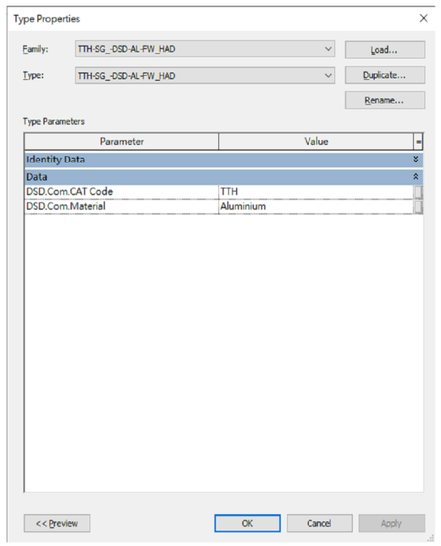
LOD-G **300**



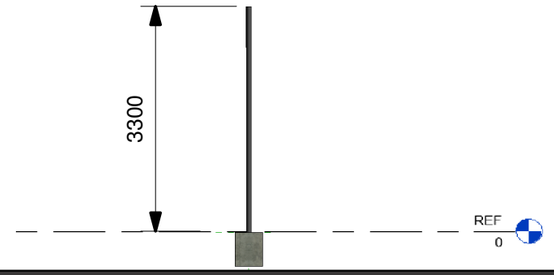
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

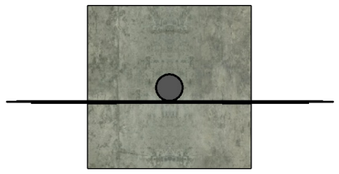
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

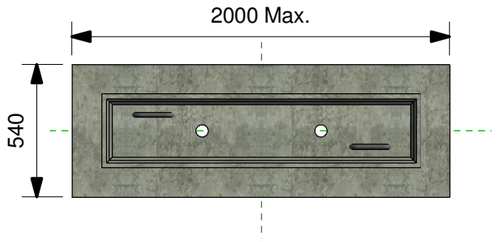
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0602**
	DATE **05-2020**	
	REVISION **0**	

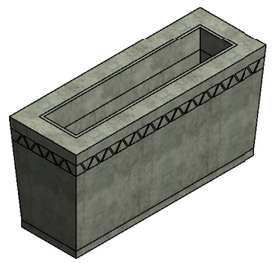
INPUT

Object Name **TTH-FLP-DSD-CONC-___**

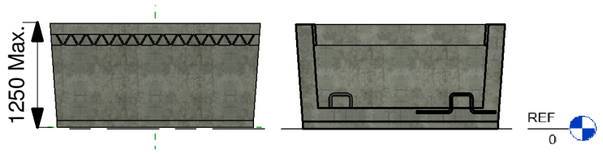
CATEGORY **Generic Models**

LOD-G **300**

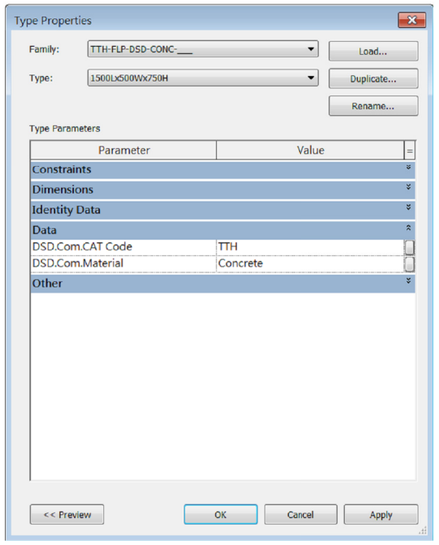




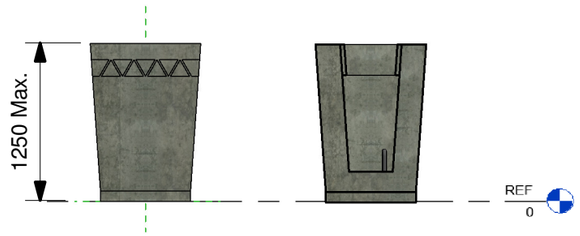
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

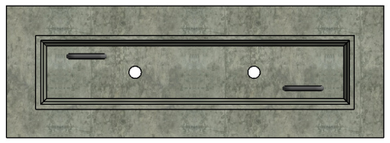
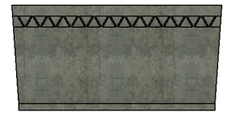
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/04/2019	01/04/2019	Concrete

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Drainage Services Department

BIM OBJECT SHEET

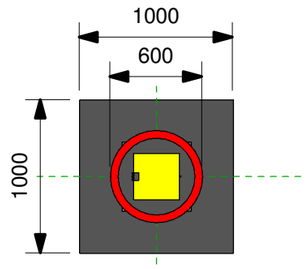
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0603**
	DATE **05-2020**	
	REVISION **0**	

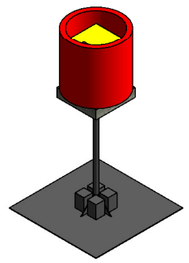
INPUT

Object Name **TTH-INS-DSD-MS-___**

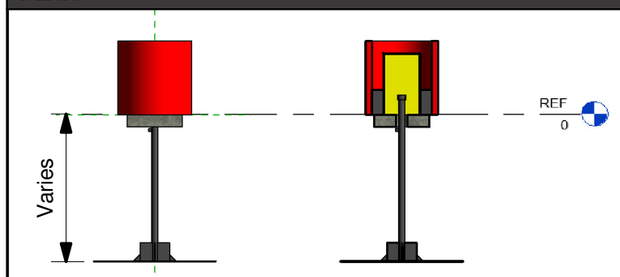
CATEGORY **Generic Models**

LOD-G **300**

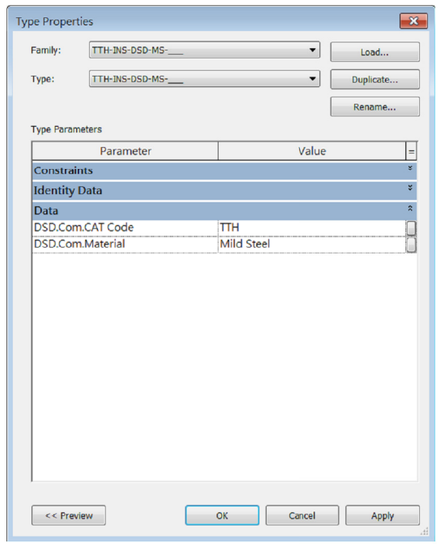




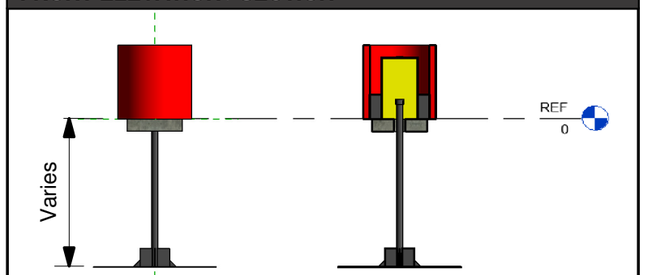
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

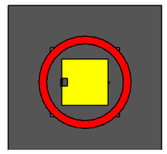
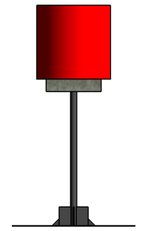
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/04/2019	01/04/2019	Mild Steel

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Drainage Services Department

BIM OBJECT SHEET

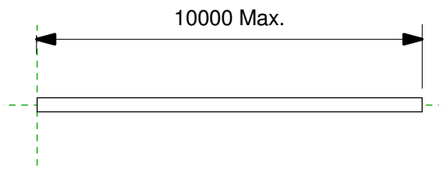
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0604**
	DATE **05-2020**	
	REVISION **0**	

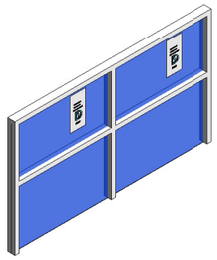
INPUT

Object Name **TTH-HRD-DSD-ALnSS-AB**

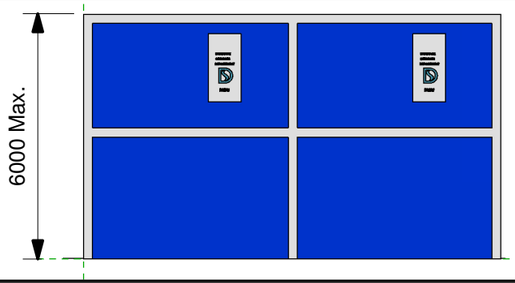
CATEGORY **Generic Models**

LOD-G **300**

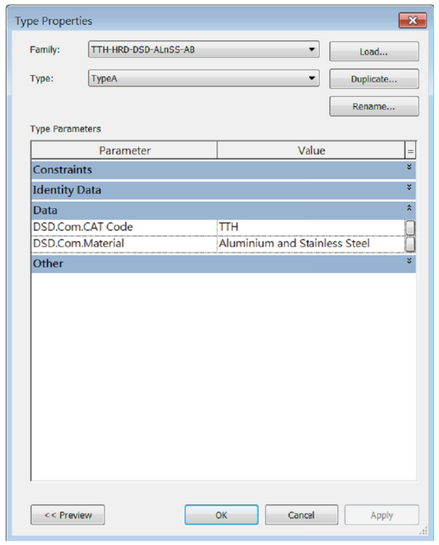




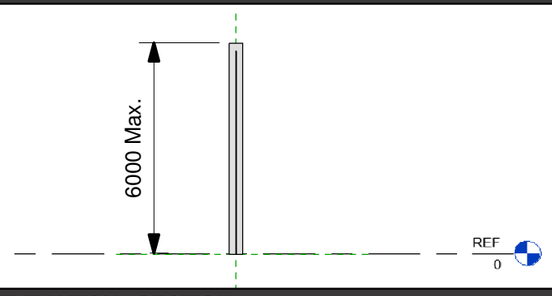
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

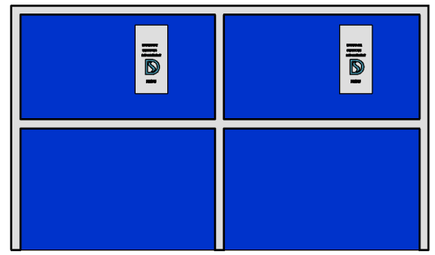
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/04/2019	01/04/2019	Aluminium and Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

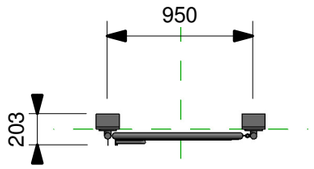
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0605**
	DATE **07-2020**	
	REVISION **0**	

INPUT

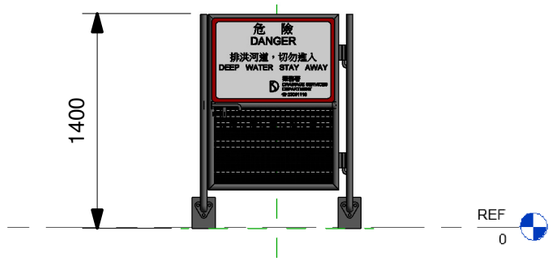
Object Name **TTH-LOC-DSD-IRON-NES**

CATEGORY **Generic Models**

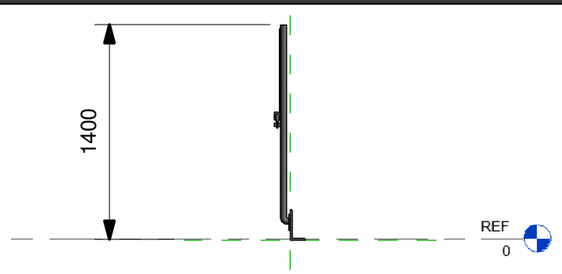
LOD-G **300**



PLAN

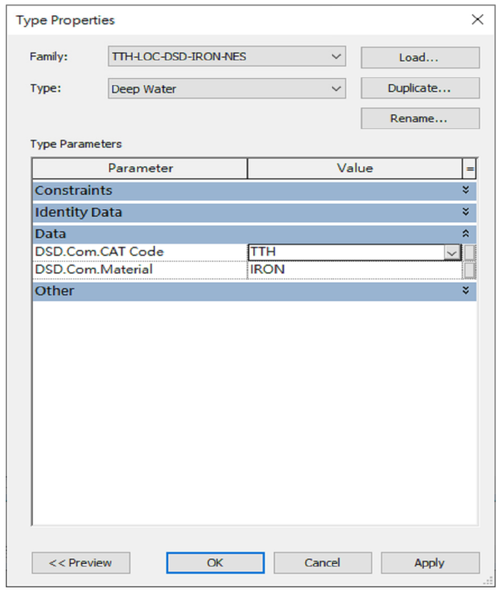


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/01/2019	01/05/2018	IRON

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Drainage Services Department

BIM OBJECT SHEET

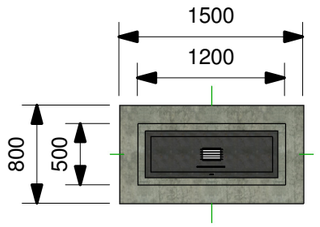
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0606**
	DATE **07-2020**	
	REVISION **0**	

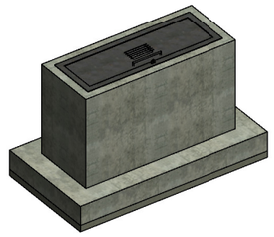
INPUT

Object Name **TTH-WMB-DSD-CONC-___**

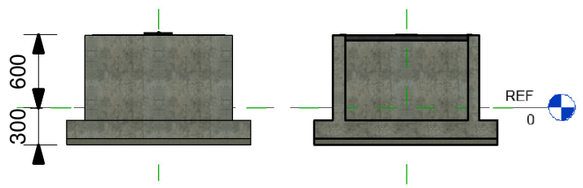
CATEGORY **Generic Models**

LOD-G **300**

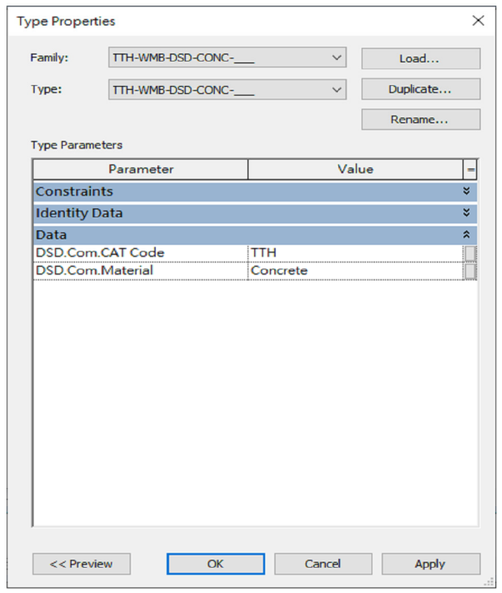




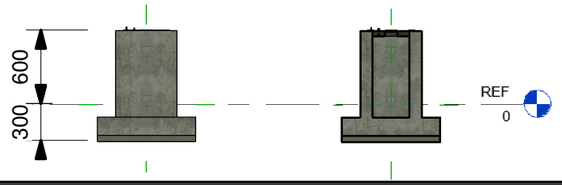
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

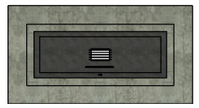
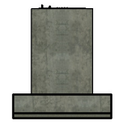
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

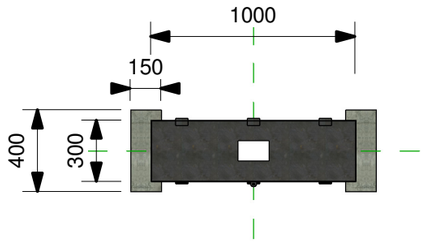
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0607**
	DATE **07-2020**	
	REVISION **0**	

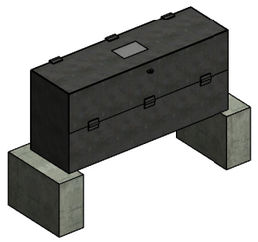
INPUT

Object Name **TTH-WMB-DSD-SS-___**

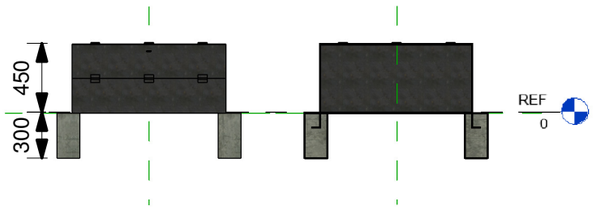
CATEGORY **Generic Models**

LOD-G **300**

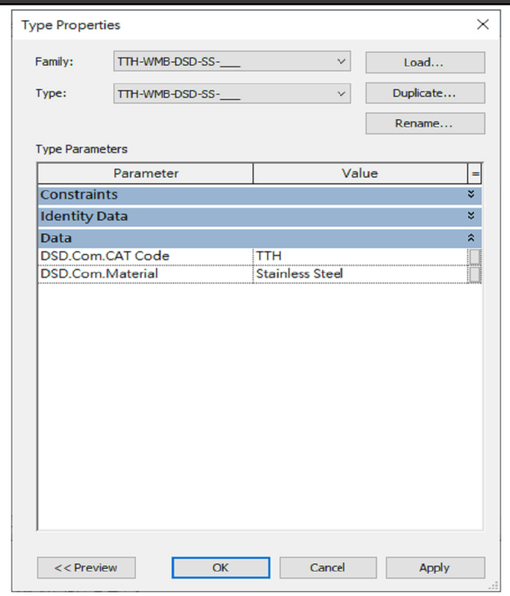




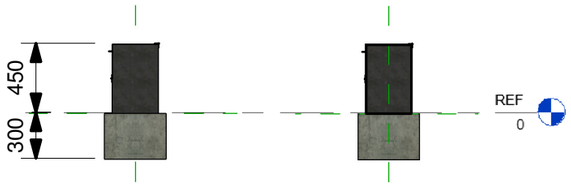
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/01/2019	01/05/2018	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

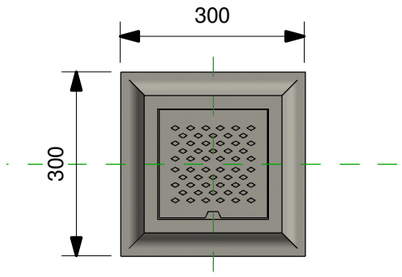
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0608**
	DATE **07-2020**	
	REVISION **0**	

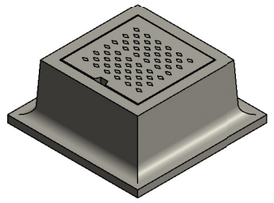
INPUT

Object Name **TTH-COV-DSD-CI-___**

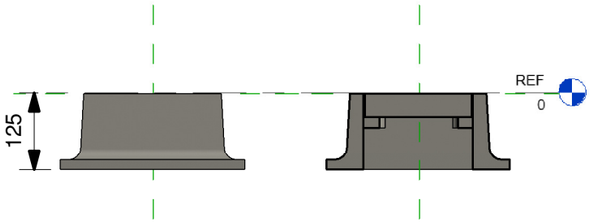
CATEGORY **Generic Models**

LOD-G **300**

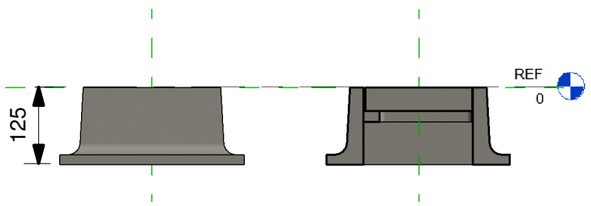




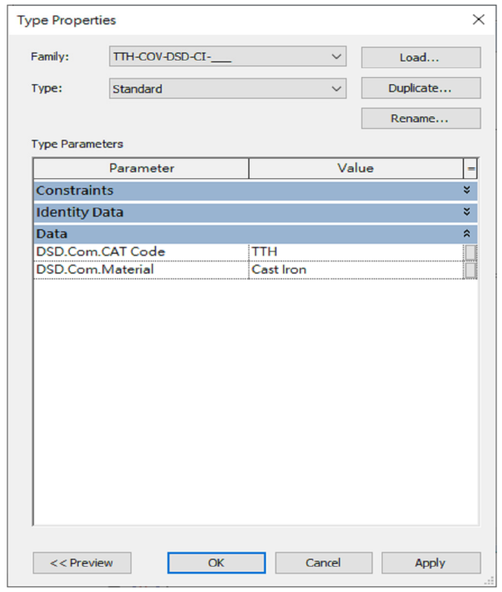
PLAN



FRONT ELEVATION / SECTION



3D



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

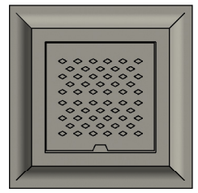
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/01/2019	01/05/2018	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

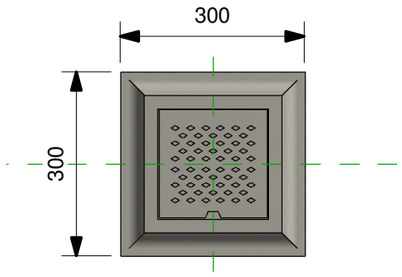
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0608**
	DATE **07-2020**	
	REVISION **0**	

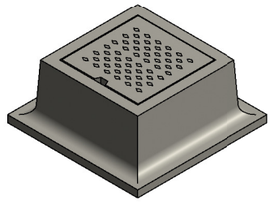
INPUT

Object Name **TTH-COV-DSD-CI-___**

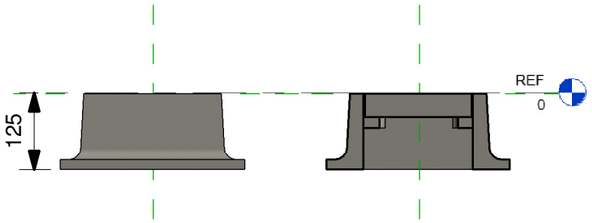
CATEGORY **Generic Models**

LOD-G **300**

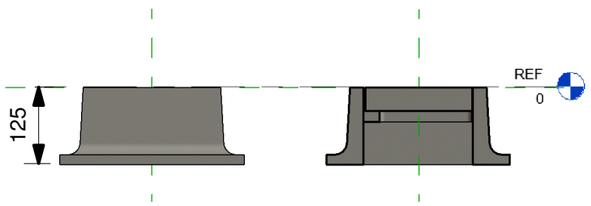




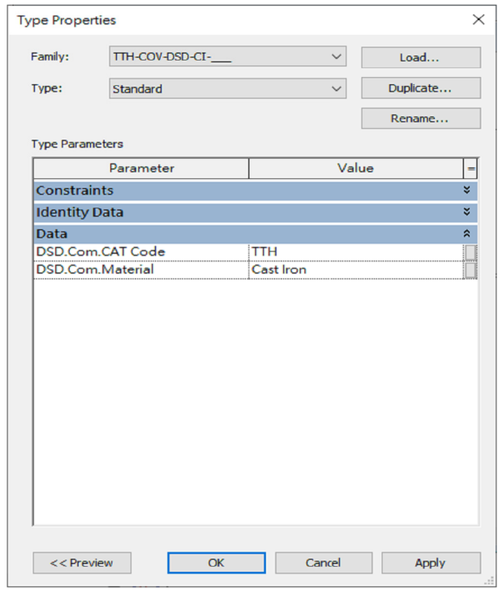
PLAN



FRONT ELEVATION / SECTION



3D



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

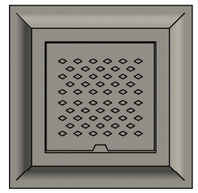
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Structural Other Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
TTH	01/01/2019	01/05/2018	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

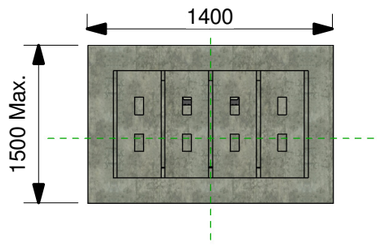
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **05-2020**	**DSD-OS-0901**
	REVISION **0**	

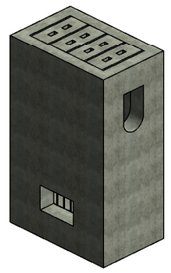
INPUT

Object Name **SCH-A__-DSD-CONC-___**

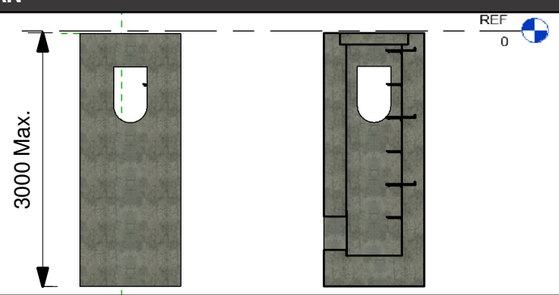
CATEGORY **Generic Models**

LOD-G **300**

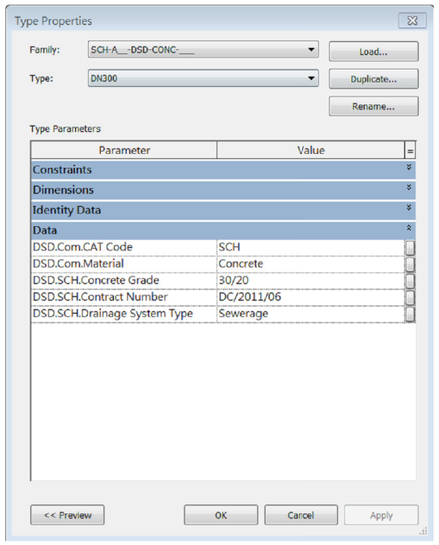




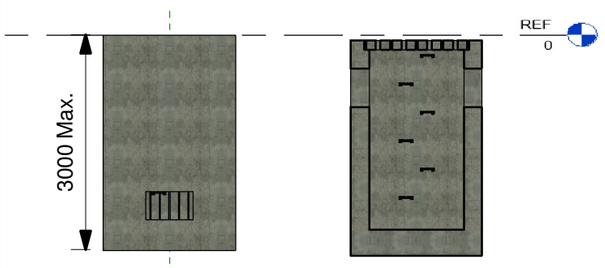
PLAN



3D



FRONT ELEVATION / SECTION

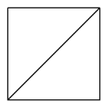


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SCH_A__



2D SYMBOL

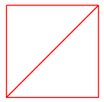
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Catchpit Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SCH	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

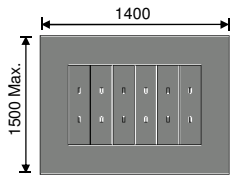
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0901
	DATE: 07-2020	
	REVISION: 0	

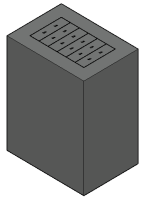
INPUT

Object Name **SCH-A__-DSD-CONC-___**

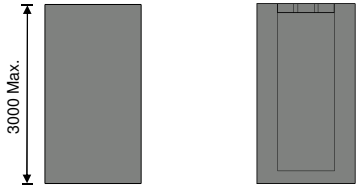
CATEGORY: **Metric Structures**

LOD-G: **200**

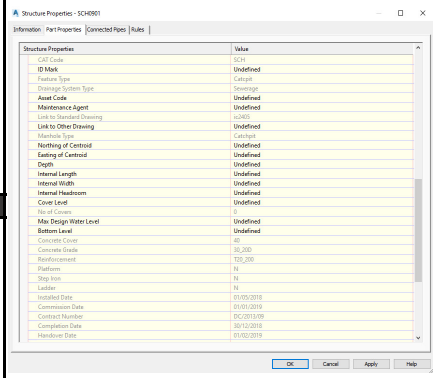




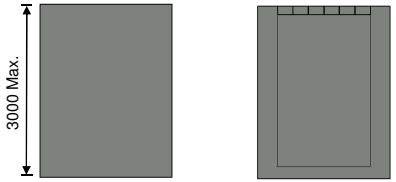
PLAN



3D



FRONT ELEVATION / SECTION

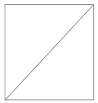


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SCH_A



2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Catchpit Table

DSD.Com.CAT.Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SCH	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

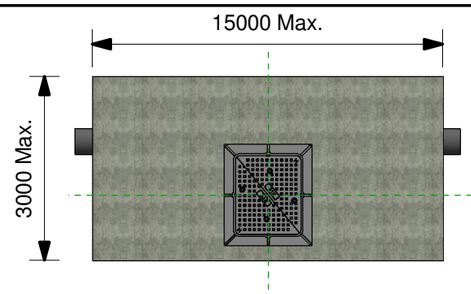
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0902**
	DATE **05-2020**	
	REVISION **0**	

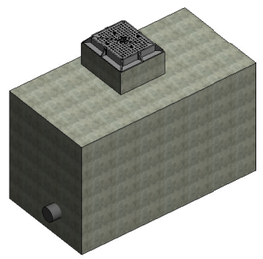
INPUT

Object Name **SBH-FLM-DSD-CONC-___**

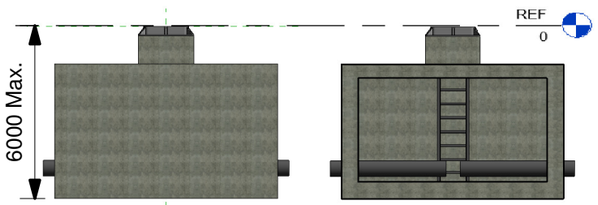
CATEGORY **Generic Models**

LOD-G **300**

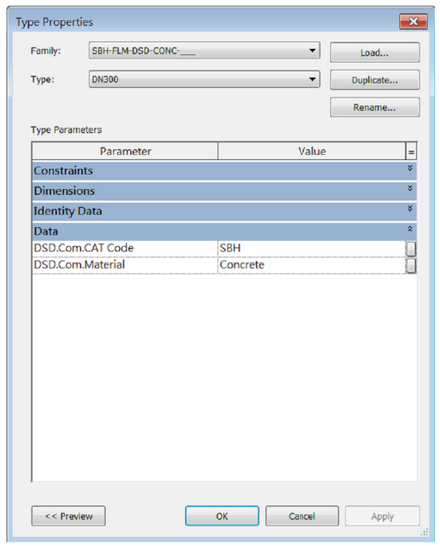




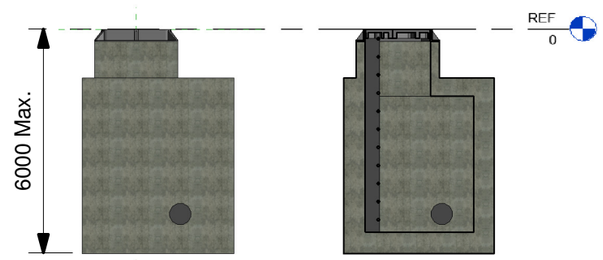
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

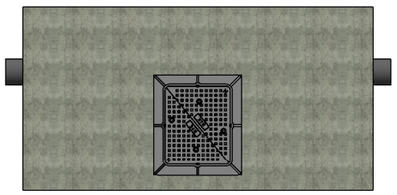
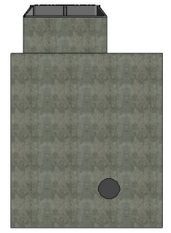
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

'Stormwater Chamber Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SBH	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

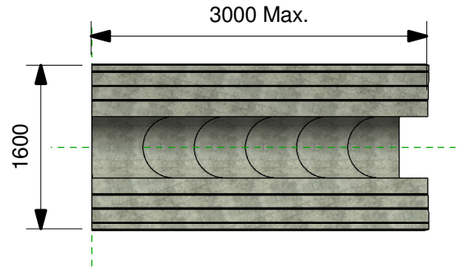
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0903**
	DATE **05-2020**	
	REVISION **0**	

INPUT

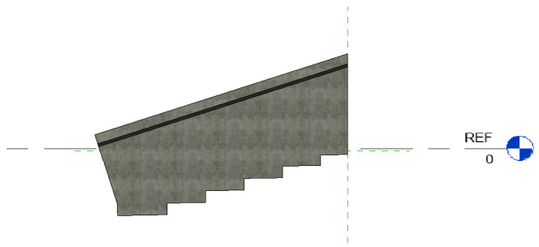
Object Name **SSP-___-DSD-CONC-___**

CATEGORY **Generic Models**

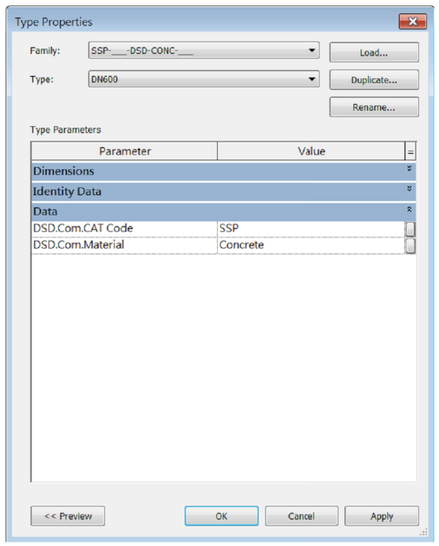
LOD-G **300**



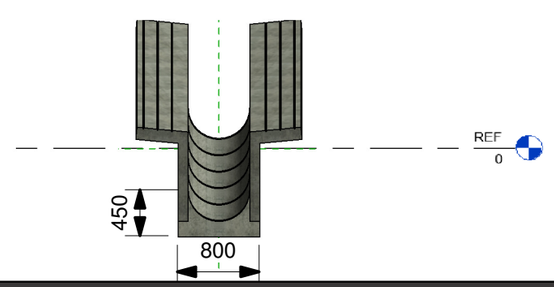
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

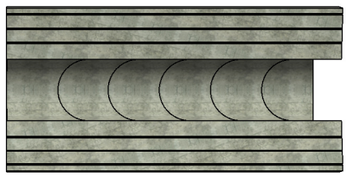
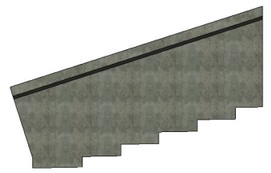
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Step Channel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SSP	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

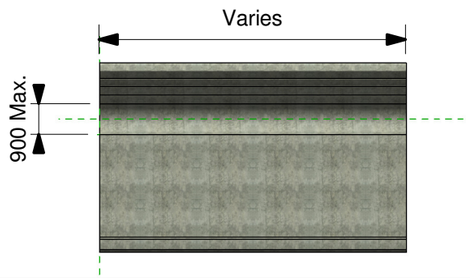
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0904**
	DATE **05-2020**	
	REVISION **0**	

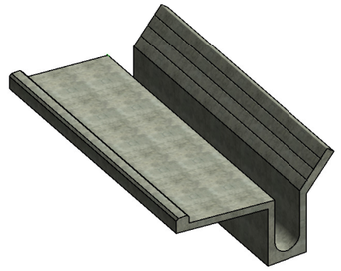
INPUT

Object Name **SUP-A__-DSD-CONC-___**

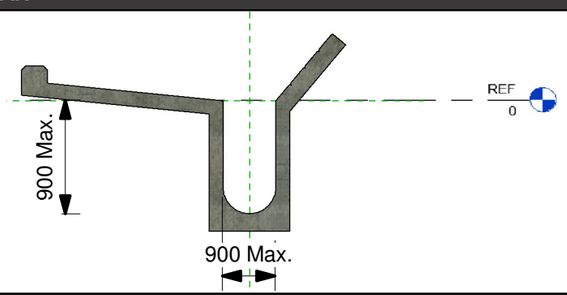
CATEGORY **Generic Models**

LOD-G **300**

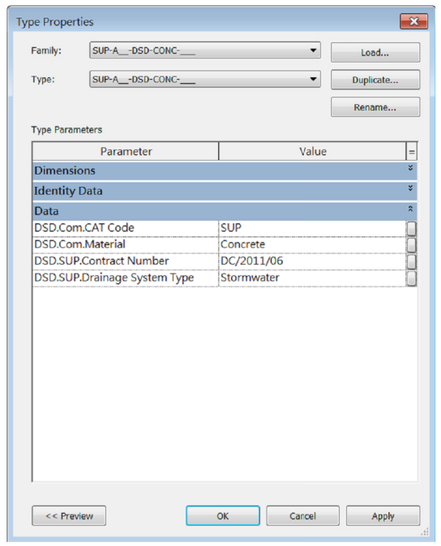




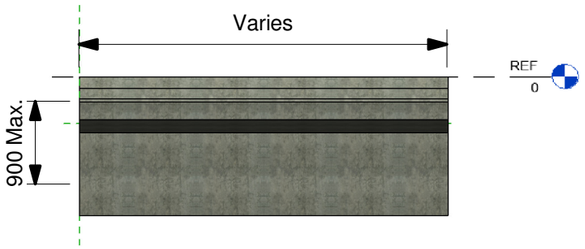
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_Sup_A__

2D SYMBOL

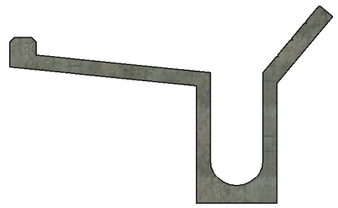
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater U-channel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SUP	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

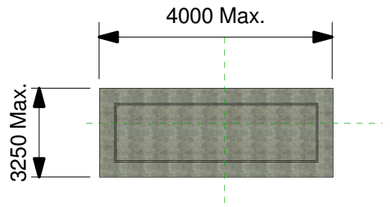
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0905**
	DATE **05-2020**	
	REVISION **0**	

INPUT

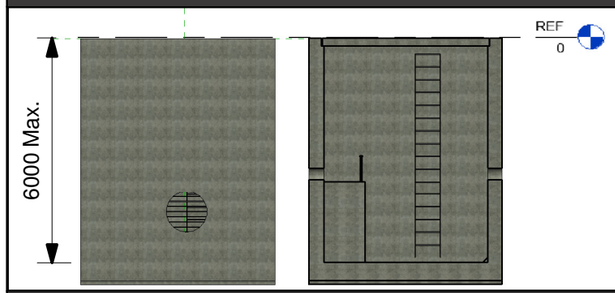
Object Name **SDH-TW_-DSD-CONC-___**

CATEGORY **Generic Models**

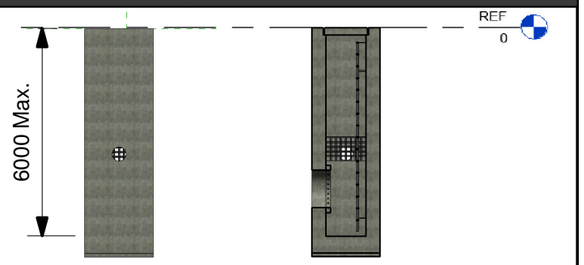
LOD-G **300**



PLAN

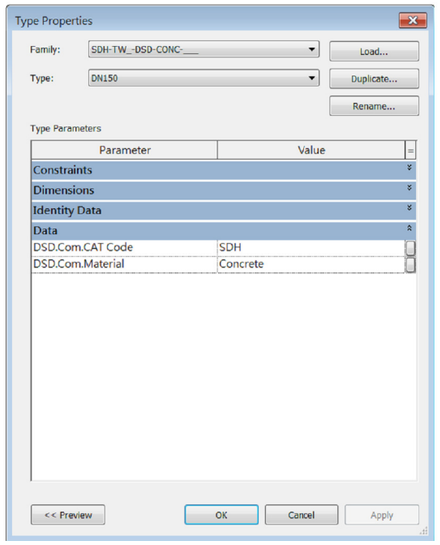


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Dry Weather Flow Interceptor Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SDH	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

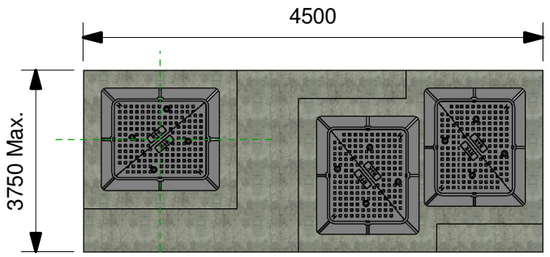
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0906**
	DATE **05-2020**	
	REVISION **0**	

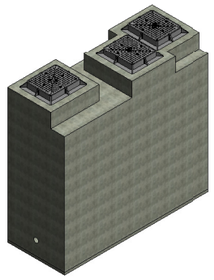
INPUT

Object Name **SDH-OTW-DSD-CONC-___**

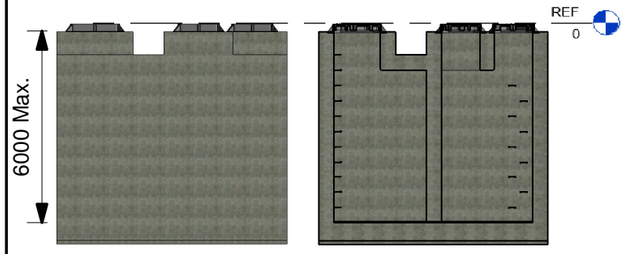
CATEGORY **Generic Models**

LOD-G **300**

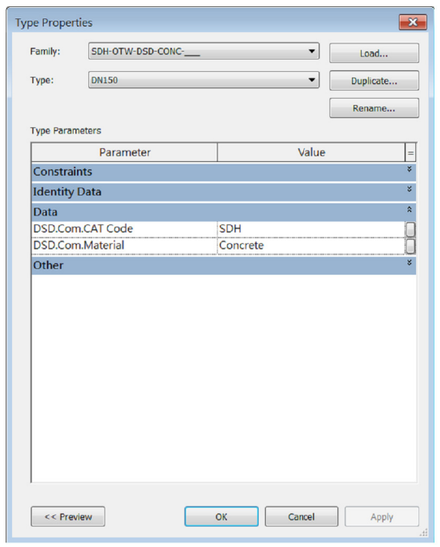




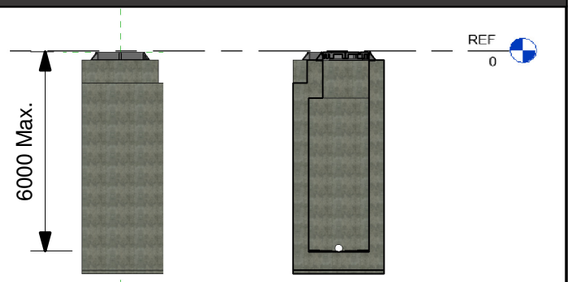
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

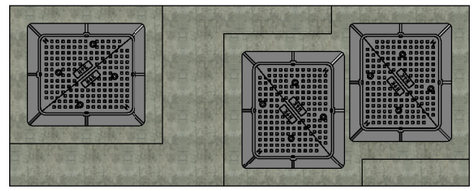
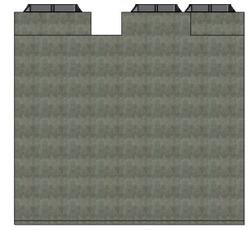
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Dry Weather Flow Interceptor Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SDH	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

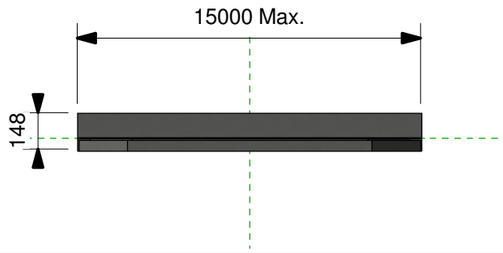
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0907**
	DATE **05-2020**	
	REVISION **0**	

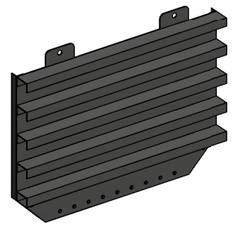
INPUT

Object Name **SWE-___-DSD-SS-___**

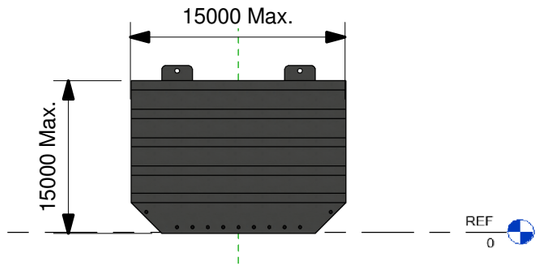
CATEGORY **Generic Models**

LOD-G **300**

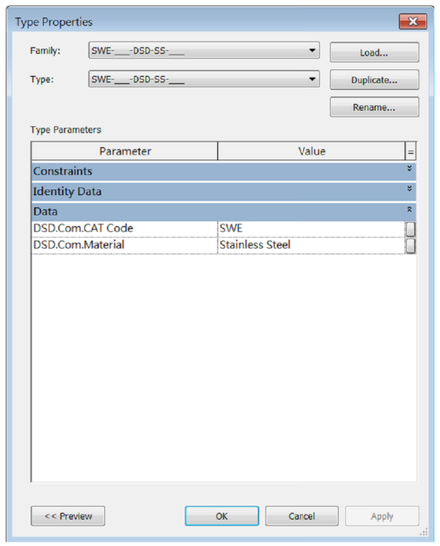




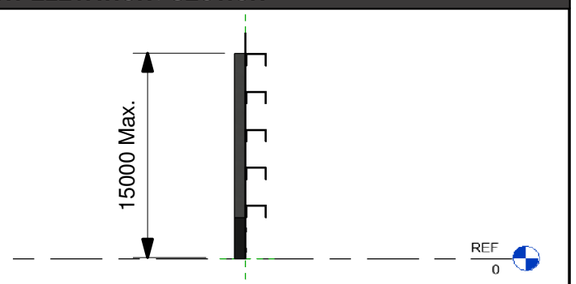
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

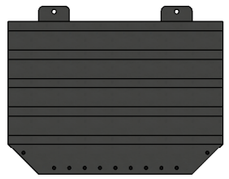
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Weir Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SWE	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

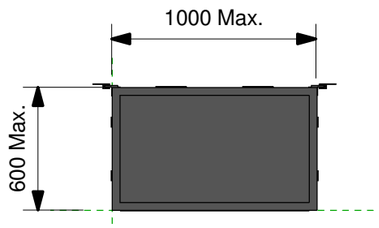
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0908**
	DATE **05-2020**	
	REVISION **0**	

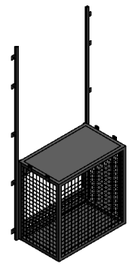
INPUT

Object Name **SBC-___-DSD-SS-___**

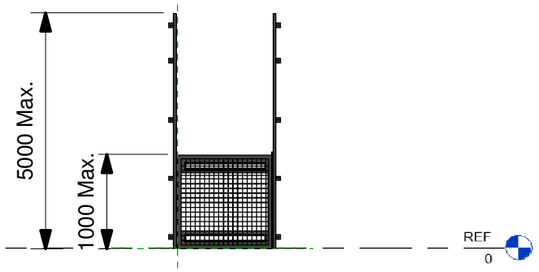
CATEGORY **Generic Models**

LOD-G **300**

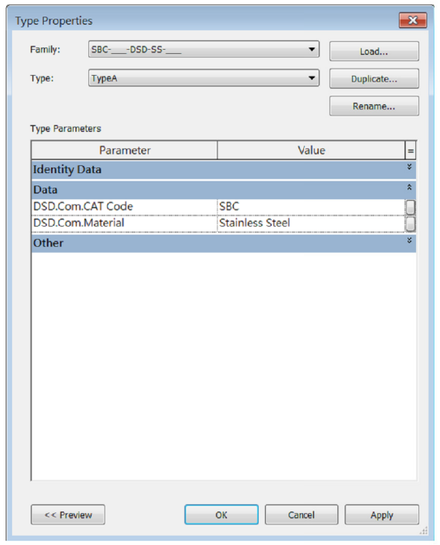




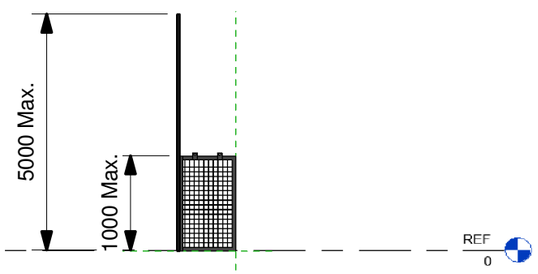
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Basket Screen Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SBC	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

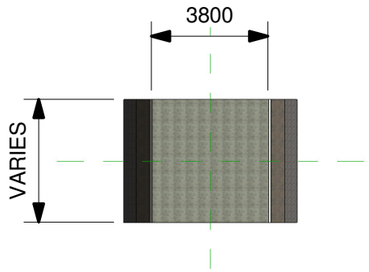
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0909**
	DATE **07-2020**	
	REVISION **0**	

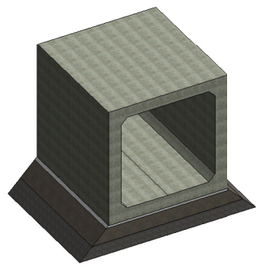
INPUT

Object Name **SBP-SIN-DSD-CONC-A**

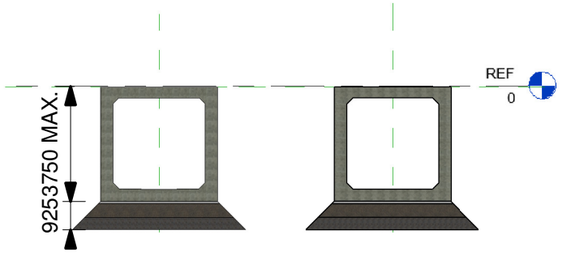
CATEGORY **Generic Models**

LOD-G **300**

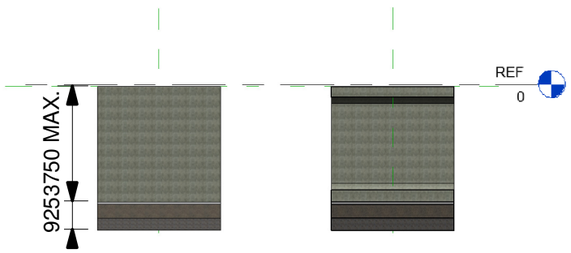




PLAN

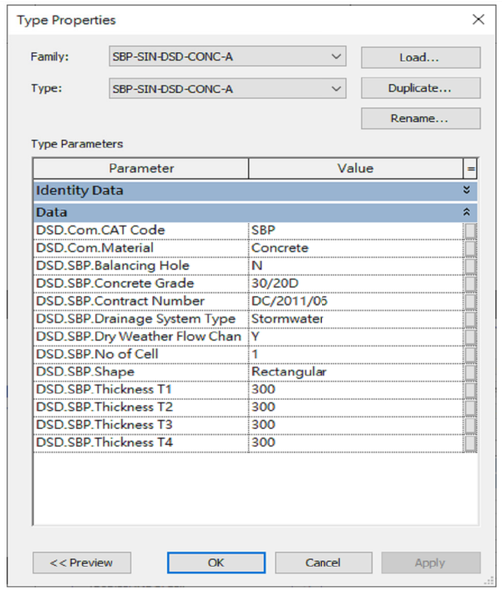


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

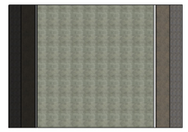
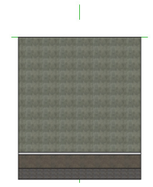
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Box Culvert Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SBP	01/01/2019	01/05/2018	Concrete

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0909
	DATE: 07-2020	
	REVISION: 0	

INPUT

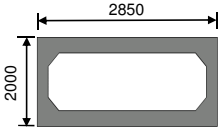
Object Name **SBP-SIN-DSD-CONC-A**

CATEGORY: **Subassembly**

LOD-G: **200**

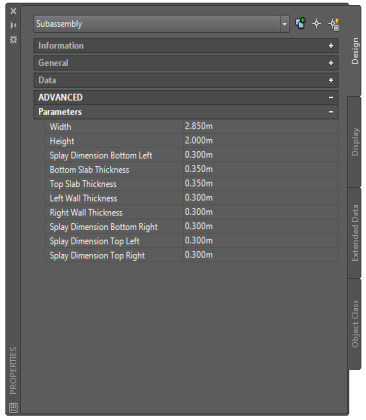
PLAN

3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name: **N.A.**

2D SYMBOL

2D Tag / Label / Annotation Name: **N.A.**

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

	SHEET VIEW : PLAN	SHEET VIEW : ELEVATION
PRESENTATION DRAWING		
STATUTORY / AUTHORITIES SUBMISSION DRAWING	N.A.	N.A.
TENDER / CONSTRUCTION DRAWING	Project Specific	Project Specific
SCHEDULE IN DRAWING	N.A.	

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BIM OBJECT SHEET

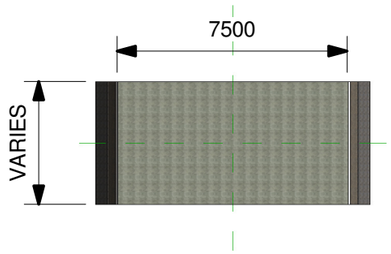
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0910**
	DATE **07-2020**	
	REVISION **0**	

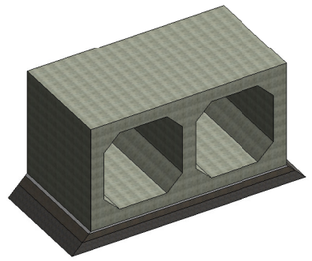
INPUT

Object Name **SBP-TWN-DSD-CONC-A**

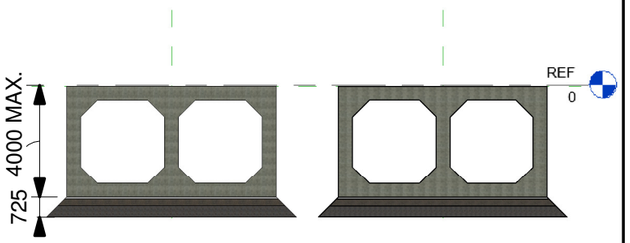
CATEGORY **Generic Models**

LOD-G **300**

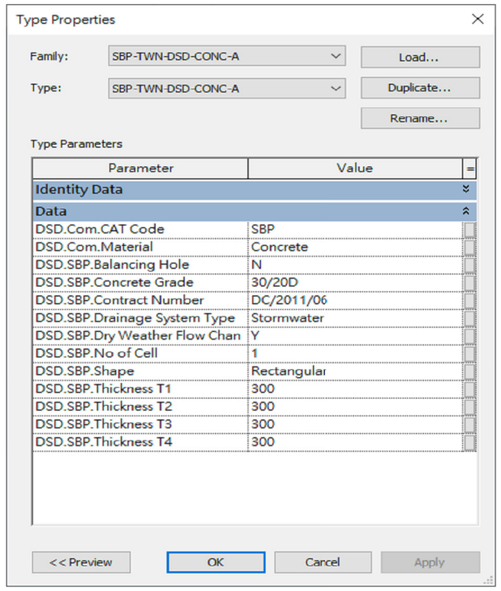




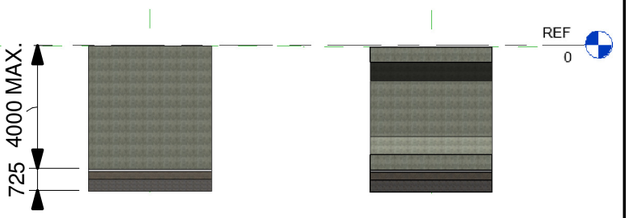
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

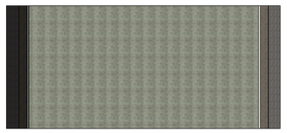
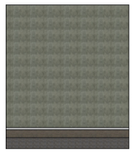
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Box Culvert Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SBP	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

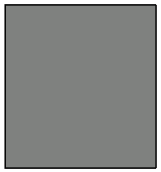
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0910
	DATE: 07-2020	
	REVISION: 0	

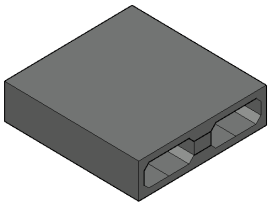
INPUT

Object Name **SBP-TWN-DSD-CONC-A**

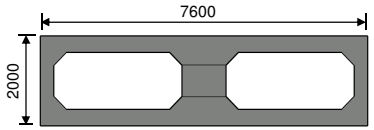
CATEGORY: **Subassembly**

LOD-G: **200**

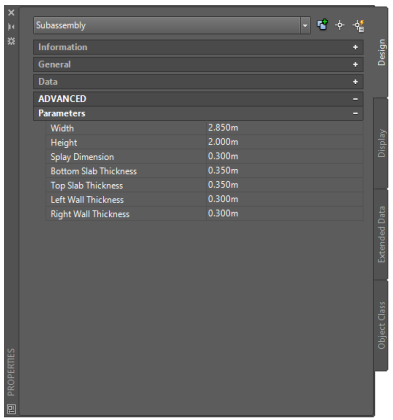




PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

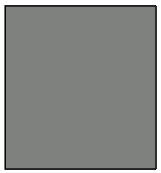
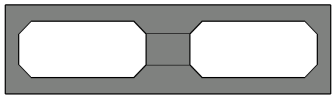
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

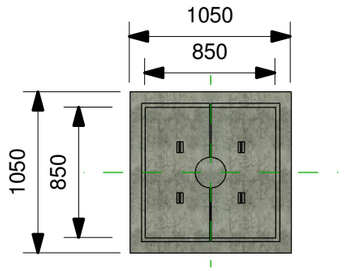
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0911**
	DATE **07-2020**	
	REVISION **0**	

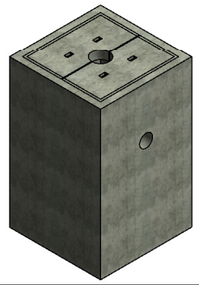
INPUT

Object Name **SCH-BC_-DSD-CONC-___**

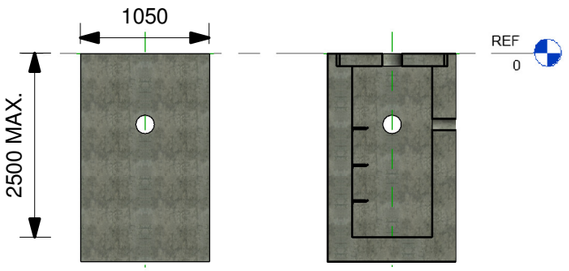
CATEGORY **Generic Models**

LOD-G **300**

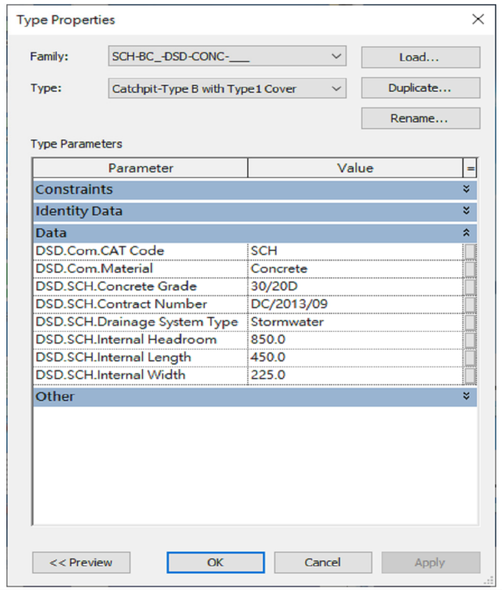




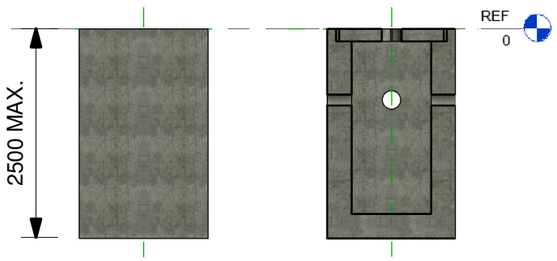
PLAN



3D



FRONT ELEVATION / SECTION

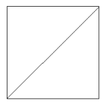


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SCH / DI_SCH



2D SYMBOL

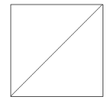
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Catchpit Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SCH	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

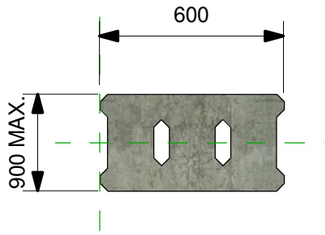
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **07-2020**	**DSD-OS-0912**
	REVISION **0**	

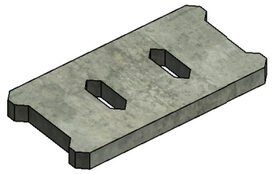
INPUT

Object Name **SUP-PC_-DSD-CONC-___**

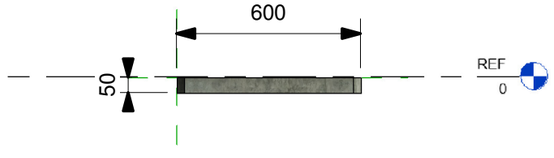
CATEGORY **Generic Models**

LOD-G **300**

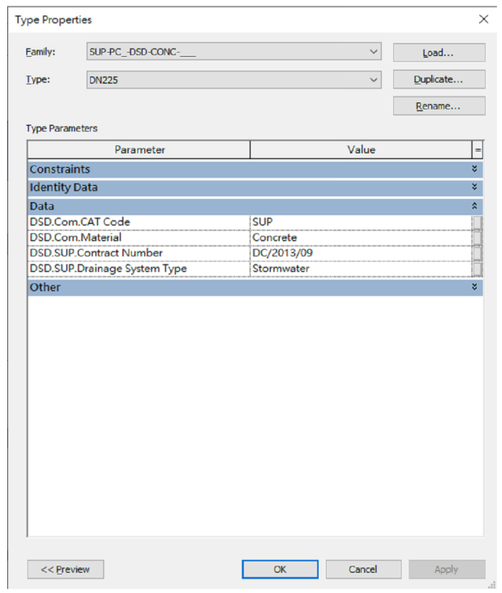




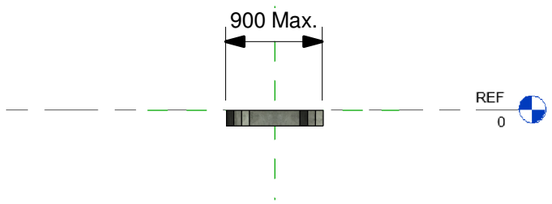
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

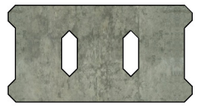
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater U-channel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SUP	01/01/2019	01/05/2018	Concrete

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BIM OBJECT SHEET

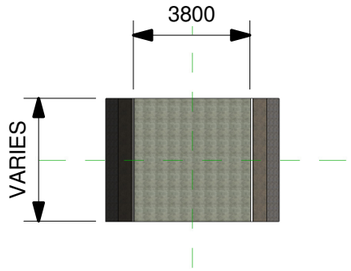
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0913**
	DATE **07-2020**	
	REVISION **0**	

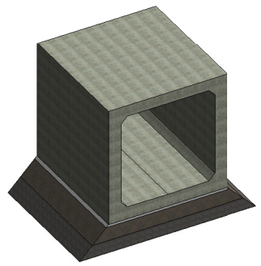
INPUT

Object Name **SBP-SIN-DSD-CONC-B**

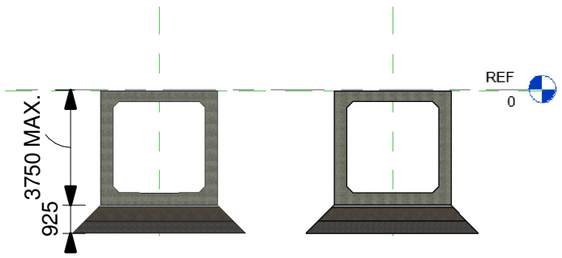
CATEGORY **Railing**

LOD-G **300**

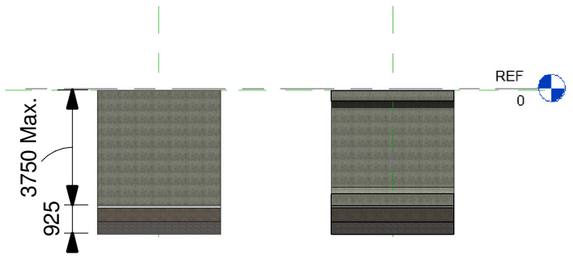




PLAN

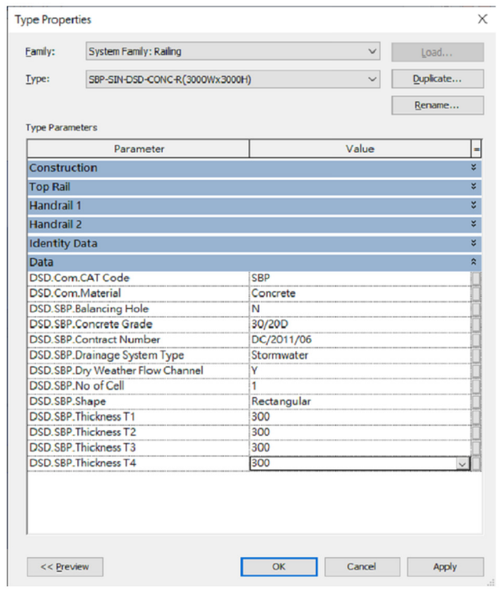


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

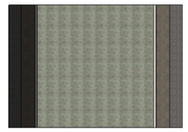
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Box Culvert Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SBP	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

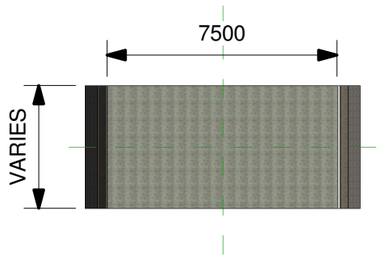
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0914**
	DATE **07-2020**	
	REVISION **0**	

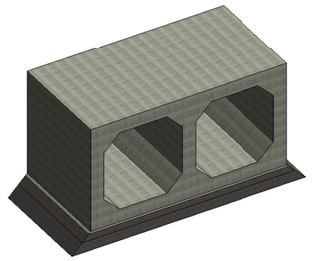
INPUT

Object Name **SBP-TWN-DSD-CONC-B**

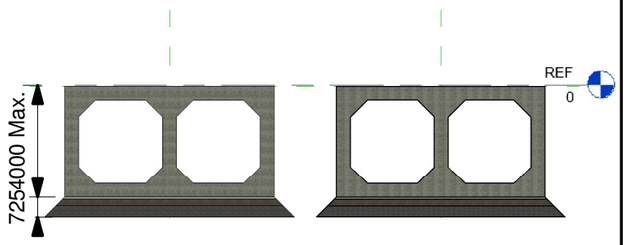
CATEGORY **Railing**

LOD-G **300**

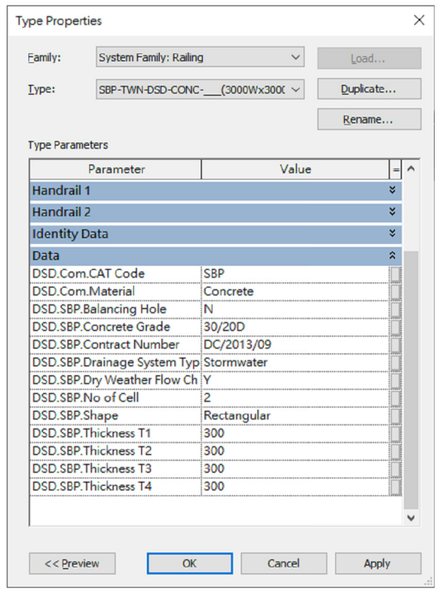




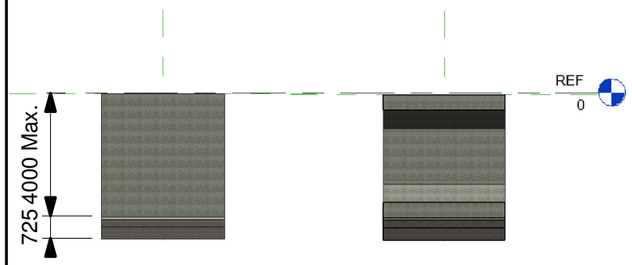
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

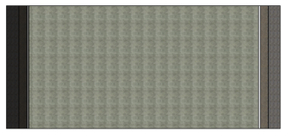
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Box Culvert Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SBP	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

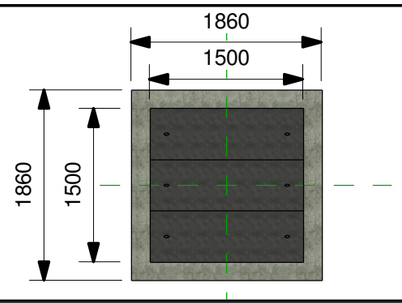
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0915**
	DATE **07-2020**	
	REVISION **0**	

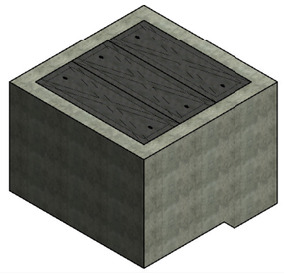
INPUT

Object Name **SCH-VC-DSD-CONC-___**

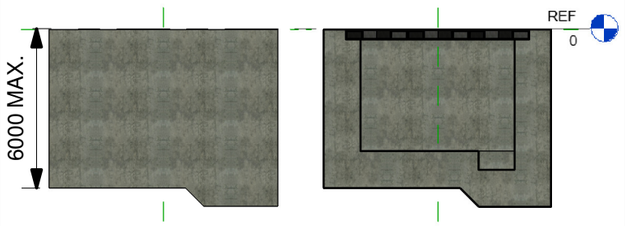
CATEGORY **Generic Models**

LOD-G **300**

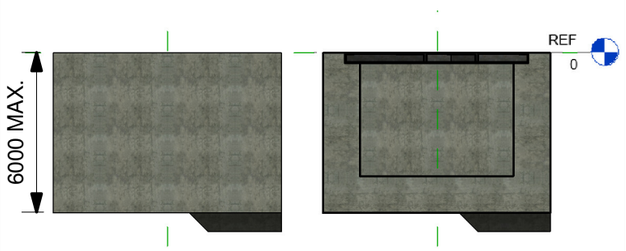




PLAN

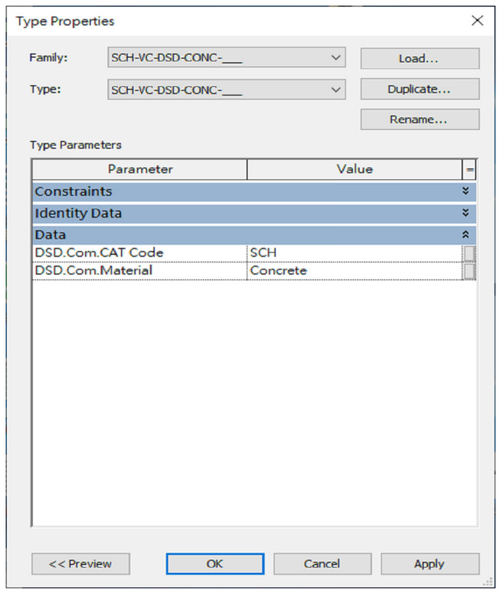


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

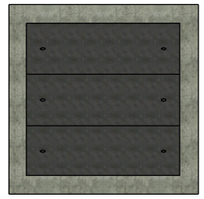
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Catchpit Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SCH	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-0916**
	DATE **07-2020**	
	REVISION **0**	

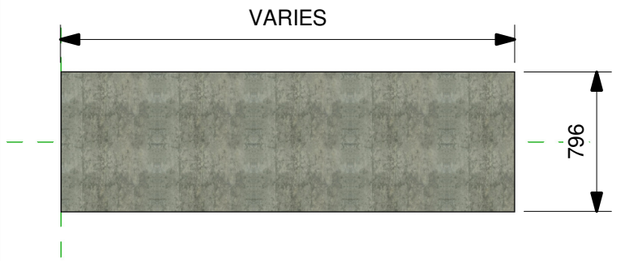
INPUT

Object Name **SWD-GRA-DSD-CONC-A**

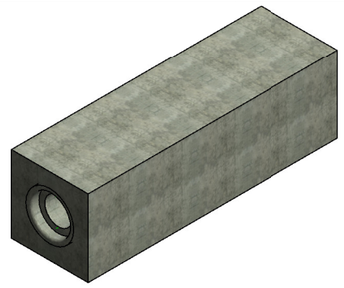
CATEGORY **Generic Models**

LOD-G **300**

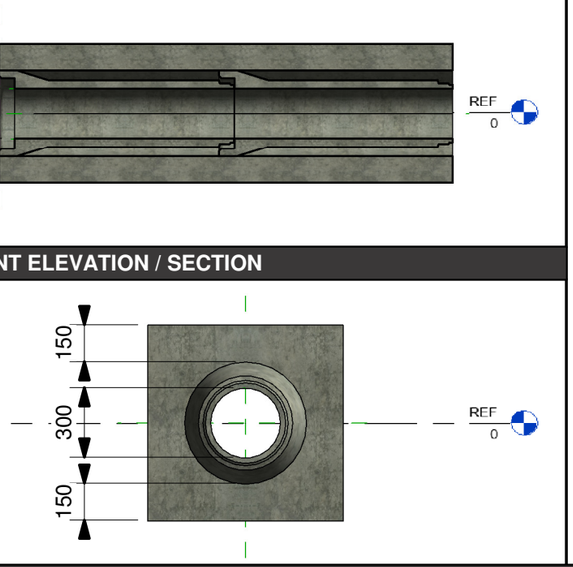
PLAN



3D

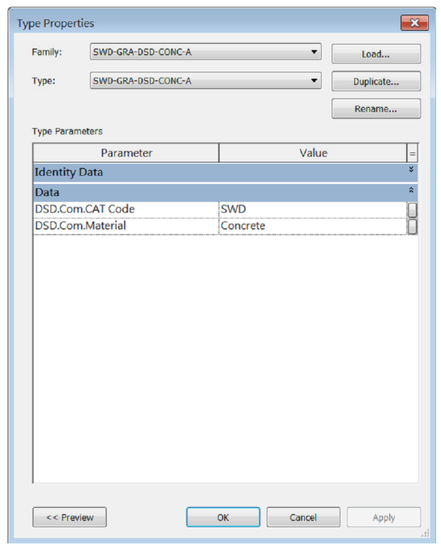


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER



3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Pipe Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SWD	01/05/2018	01/01/2019	Concrete

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BIM OBJECT SHEET

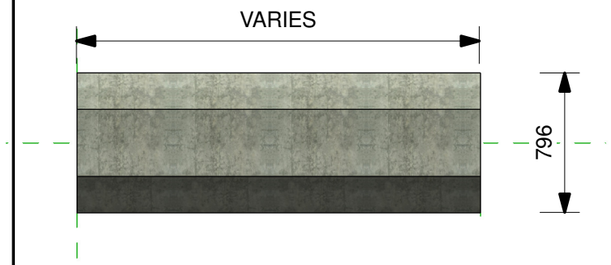
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-0917**
	DATE **07-2020**	
	REVISION **0**	

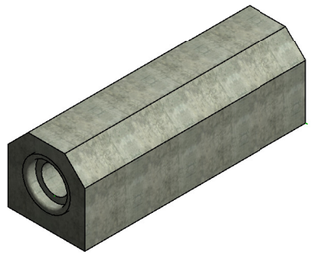
INPUT

Object Name **SWD-GRA-DSD-CONC-B**

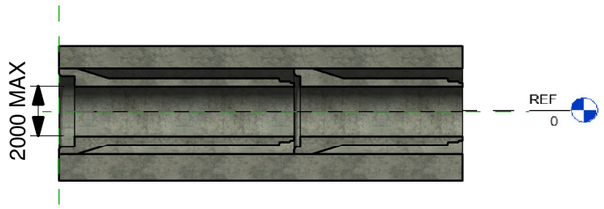
CATEGORY **Generic Models**

LOD-G **300**

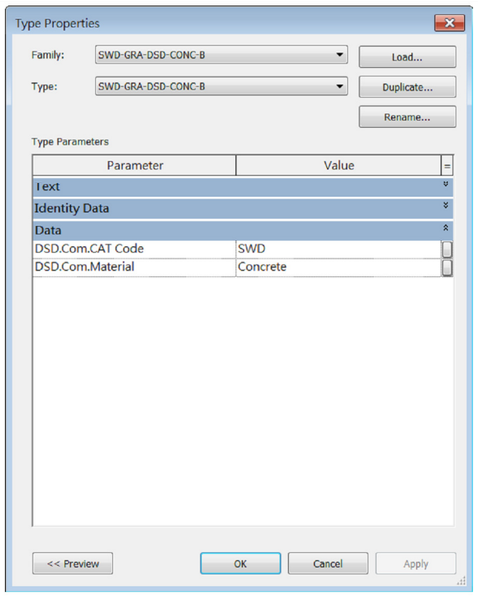




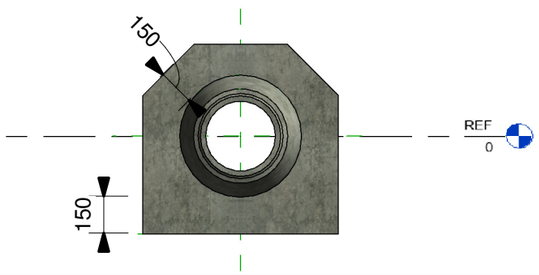
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

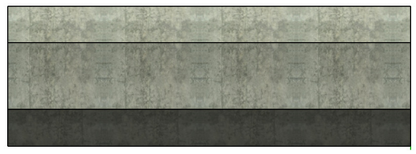
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stormwater Pipe Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SWD	01/01/2019	01/05/2018	Concrete

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0918
	DATE: 07-2020	
	REVISION: 0	

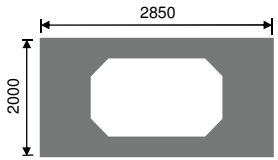
INPUT

Object Name **SBP-TRN-DSD-CONC-___**

CATEGORY: **Subassembly**

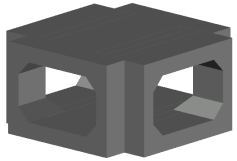
LOD-G: **200**

PLAN

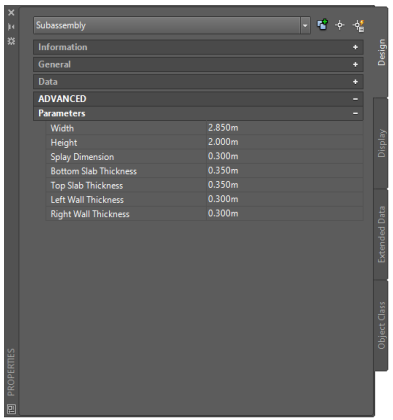


FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION



3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

	SHEET VIEW : PLAN	SHEET VIEW : ELEVATION
PRESENTATION DRAWING		
STATUTORY / AUTHORITIES SUBMISSION DRAWING	N.A.	N.A.
TENDER / CONSTRUCTION DRAWING	Project Specific	Project Specific
SCHEDULE IN DRAWING	N.A.	

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BIM OBJECT SHEET

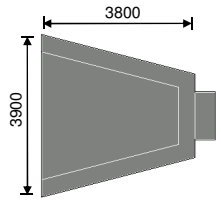
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0919
	DATE: 07-2020	
	REVISION: 0	

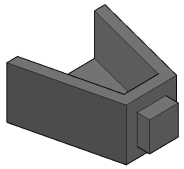
INPUT

Object Name **SBP-OUT-DSD-CONC-___**

CATEGORY: **Metric Structures**

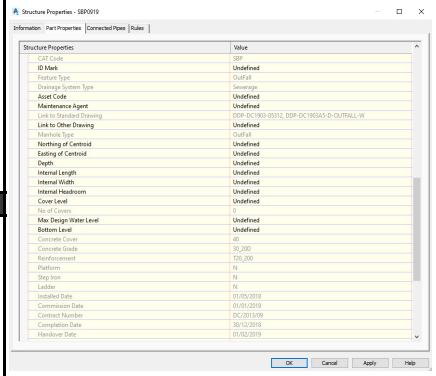
LOD-G: **200**



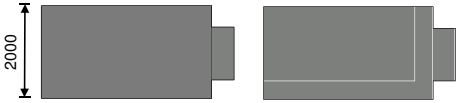


PLAN

3D



FRONT ELEVATION / SECTION

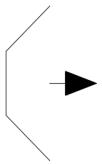


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_SBP



2D SYMBOL

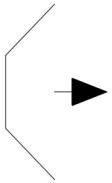
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Box Culvert Outfall Table			
DSD.Com.CAT.Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
SBP	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

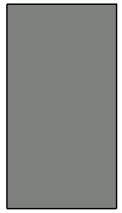
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0920
	DATE: 07-2020	
	REVISION: 0	

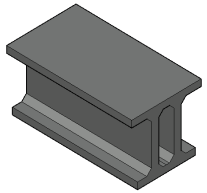
INPUT

Object Name **SNP-DEK-DSD-CONC-___**

CATEGORY: **Subassembly**

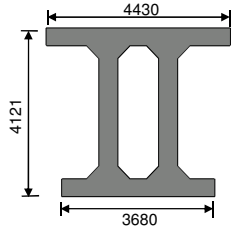
LOD-G: **200**

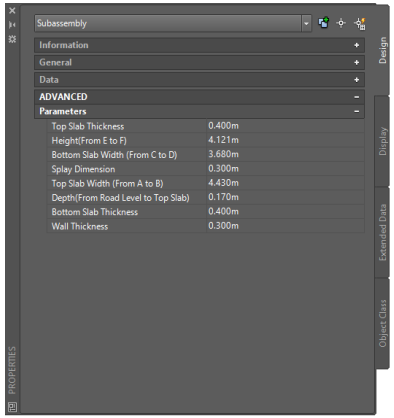




PLAN

3D





FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

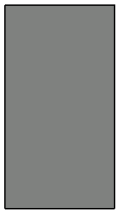
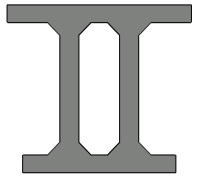
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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BIM OBJECT SHEET

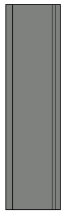
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0921
	DATE: 07-2020	
	REVISION: 0	

INPUT

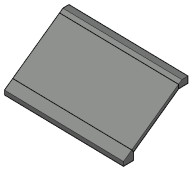
Object Name **SNP-TRA-DSD-CONC-___**

CATEGORY: **Subassembly**

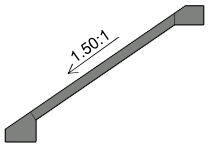
LOD-G: **200**



PLAN

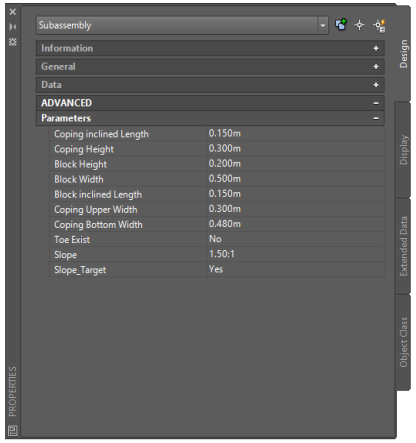


3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

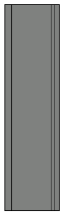
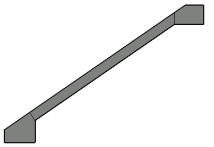
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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BIM OBJECT SHEET

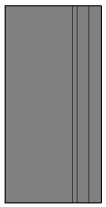
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0922
	DATE: 07-2020	
	REVISION: 0	

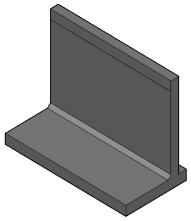
INPUT

Object Name **SRW-T1_-DSD-CONC-___**

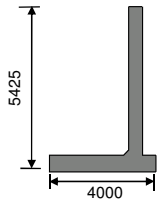
CATEGORY: **Subassembly**

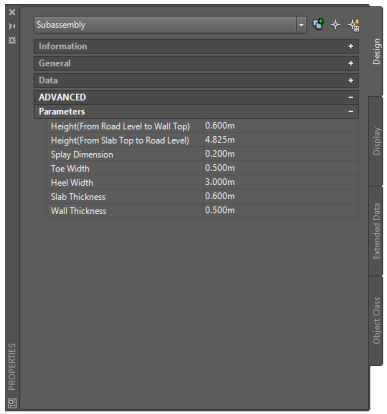
LOD-G: **200**



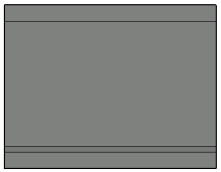


PLAN | **3D**





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION | **FAMILY VIEW : PARAMETER**

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

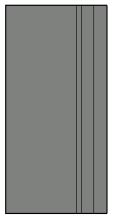
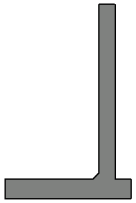
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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BIM OBJECT SHEET

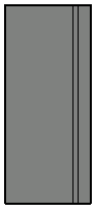
QR CODE For AM	SOFTWARE VERSION: Civil3D 2018	REFERENCE NUMBER: DSD-OS-0923
	DATE: 07-2020	
	REVISION: 0	

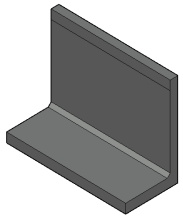
INPUT

Object Name **SRW-L1_-DSD-CONC-___**

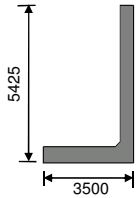
CATEGORY: **Subassembly**

LOD-G: **200**

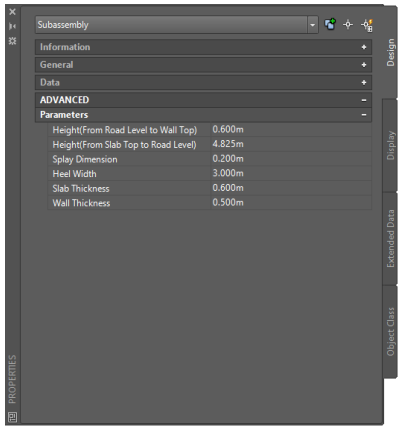




PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

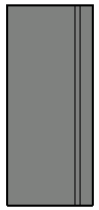
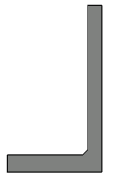
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING
N.A.		SCHEDULE IN DRAWING

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Drainage Services Department

BIM OBJECT SHEET

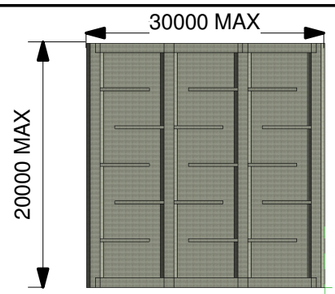
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1201**
	DATE **07-2020**	
	REVISION **0**	

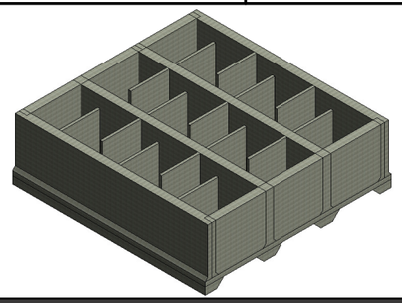
INPUT

Object Name **FTF-ANT-DSD-CONC-___**

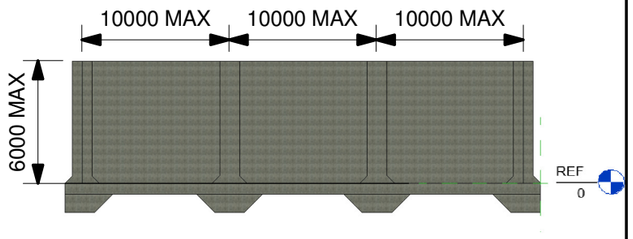
CATEGORY **Generic Models**

LOD-G **300**

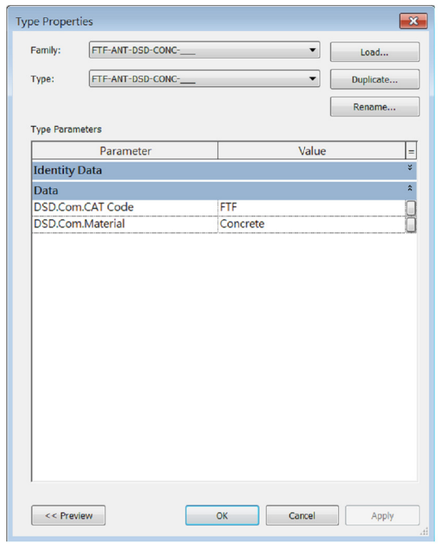




PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

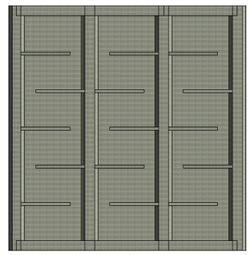
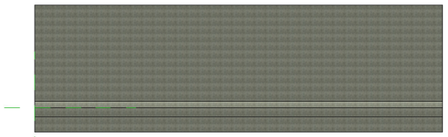
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Treatment Facility Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FTF	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

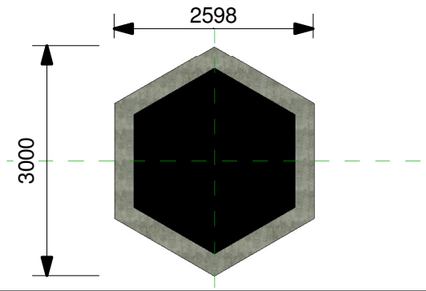
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1202**
	DATE **07-2020**	
	REVISION **0**	

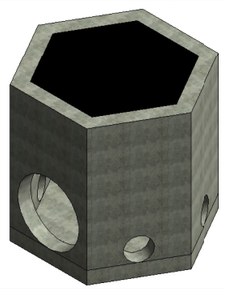
INPUT

Object Name **FCH-EFC-DSD-CONC-___**

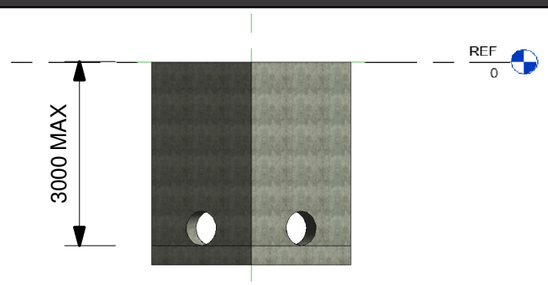
CATEGORY **Generic Models**

LOD-G **300**

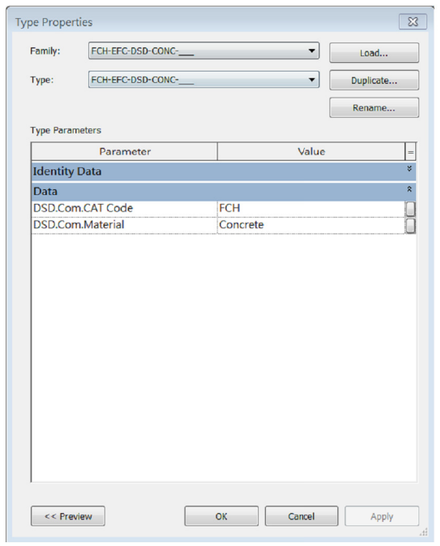




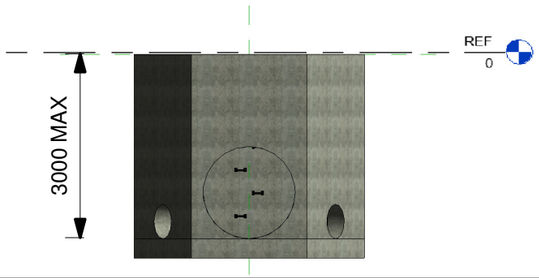
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

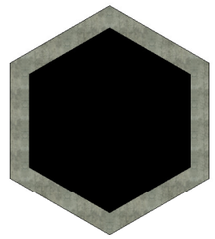
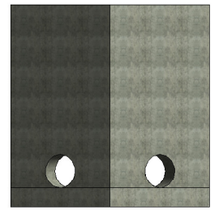
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage chamber Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FCH	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

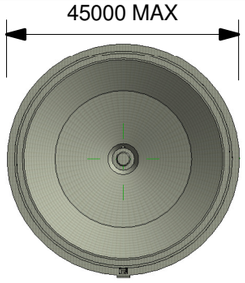
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1203**
	DATE **07-2020**	
	REVISION **0**	

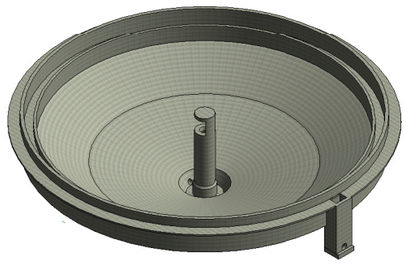
INPUT

Object Name **FTF-FIC-DSD-CONC-CIR**

CATEGORY **Generic Models**

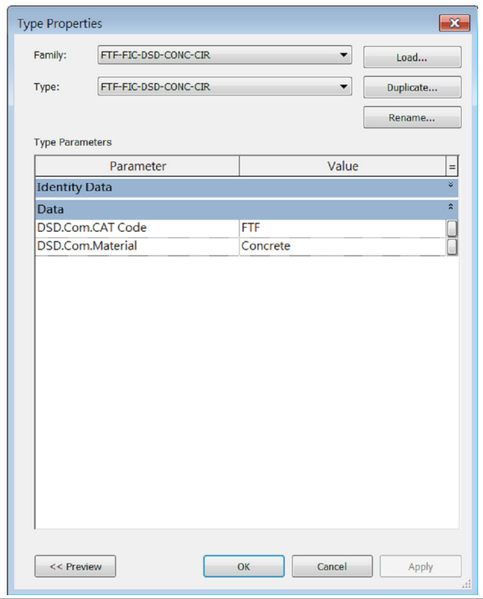
LOD-G **300**



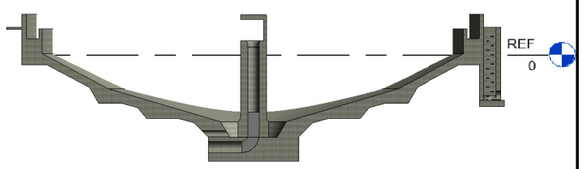


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Treatment Facility Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FTF	01/01/2019	01/05/2018	Concrete

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BIM OBJECT SHEET

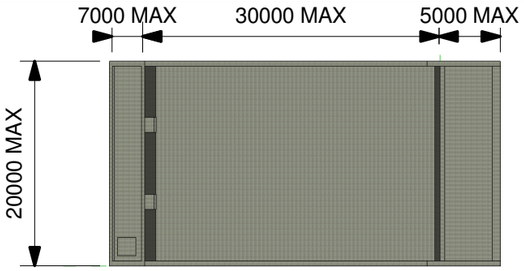
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1204**
	DATE **07-2020**	
	REVISION **0**	

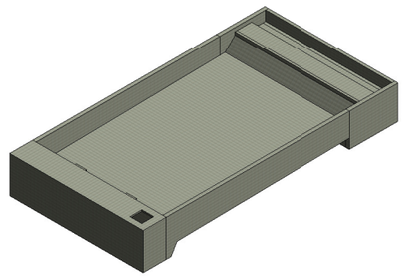
INPUT

Object Name **FTF-PST-DSD-CONC-RECT**

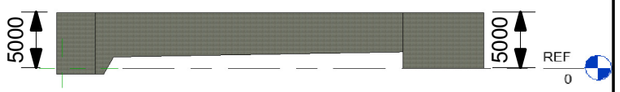
CATEGORY **Generic Models**

LOD-G **300**

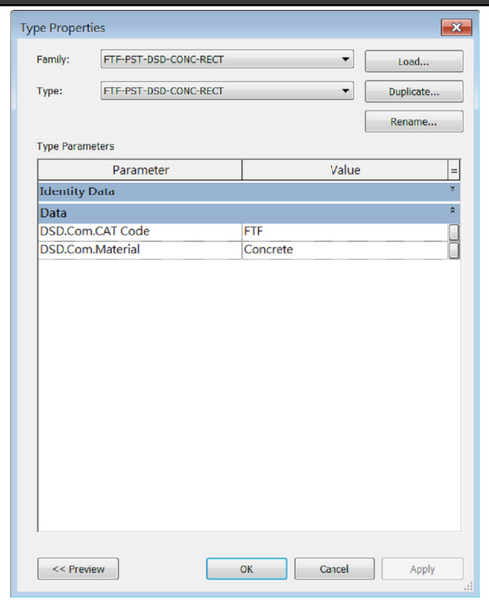




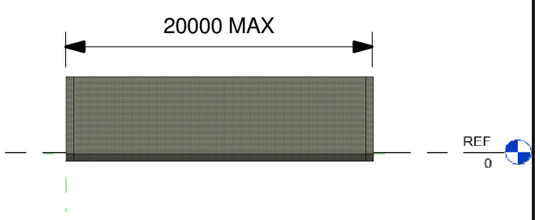
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

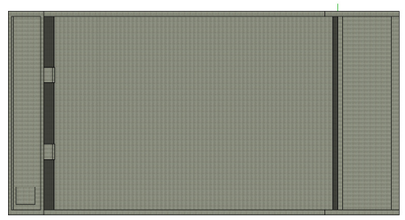
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Treatment Facility Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FTF	01/05/2018	01/01/2019	Concrete

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BIM OBJECT SHEET

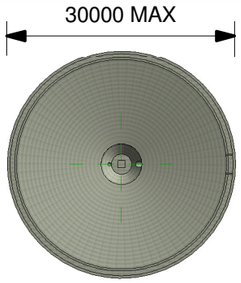
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1205**
	DATE **07-2020**	
	REVISION **0**	

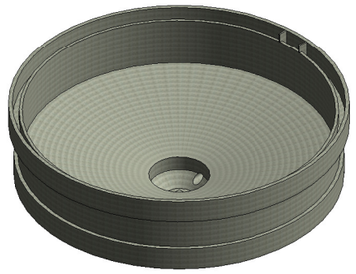
INPUT

Object Name **FTF-PST-DSD-CONC-CIR**

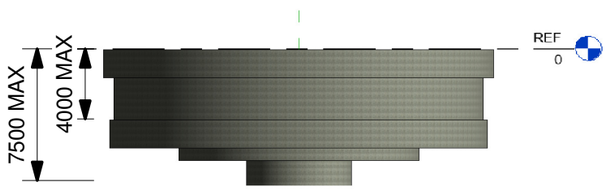
CATEGORY **Generic Models**

LOD-G **300**

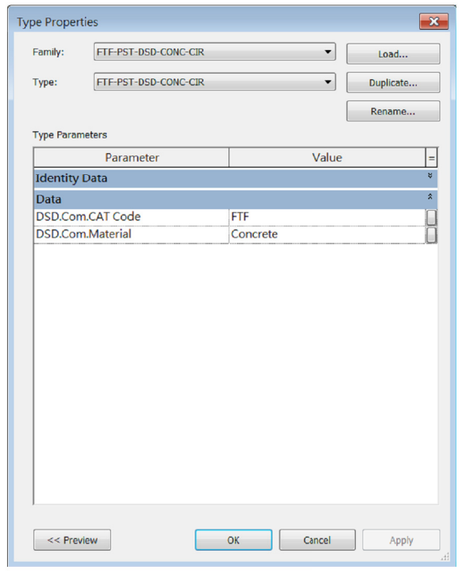




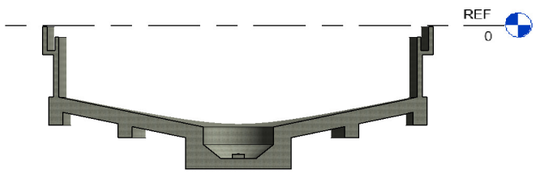
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

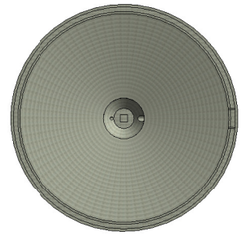
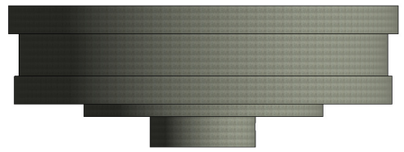
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Treatment Facility Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FTF	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

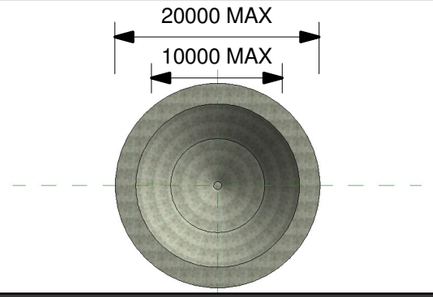
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1206**
	DATE **07-2020**	
	REVISION **0**	

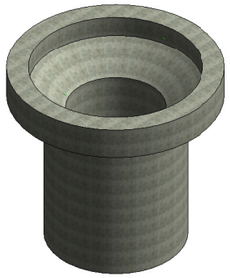
INPUT

Object Name **FTF-GTF-DSD-CONC-___**

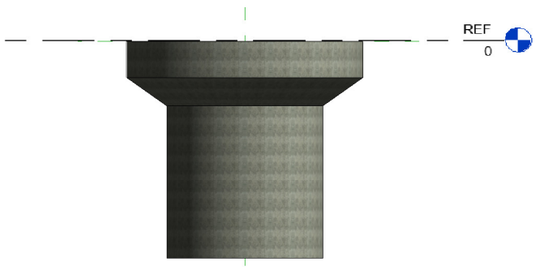
CATEGORY **Generic Models**

LOD-G **300**

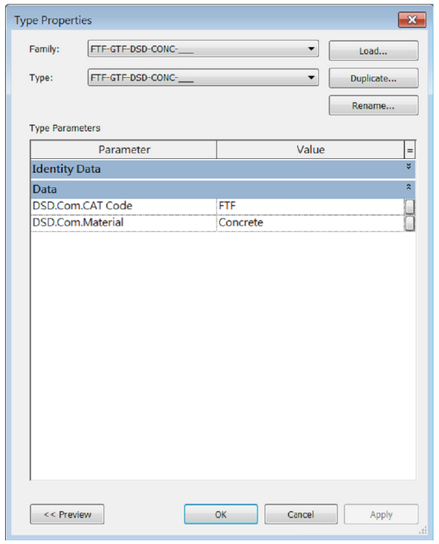




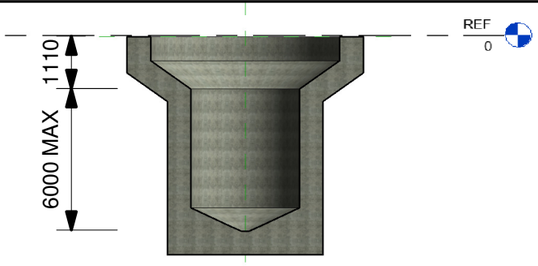
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

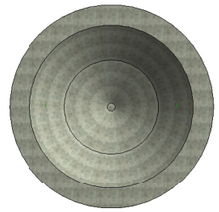
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Treatment Facility Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FTF	01/01/2019	01/05/2018	Concrete

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Drainage Services Department

BIM OBJECT SHEET

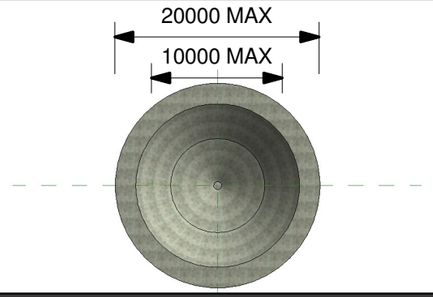
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1206**
	DATE **07-2020**	
	REVISION **0**	

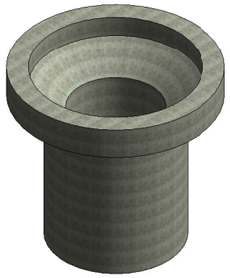
INPUT

Object Name **FTF-GTF-DSD-CONC-___**

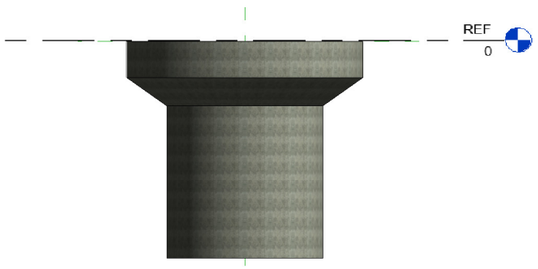
CATEGORY **Generic Models**

LOD-G **300**

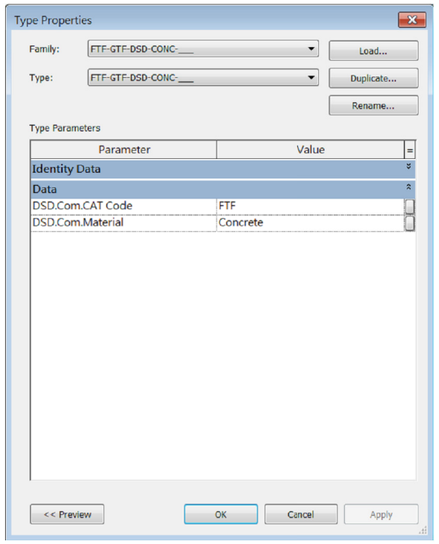




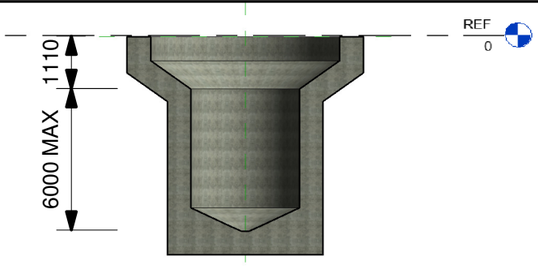
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

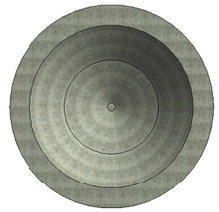
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Treatment Facility Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FTF	01/01/2019	01/05/2018	Concrete

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BIM OBJECT SHEET

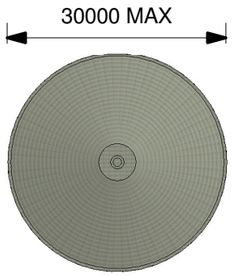
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1207**
	DATE **07-2020**	
	REVISION **0**	

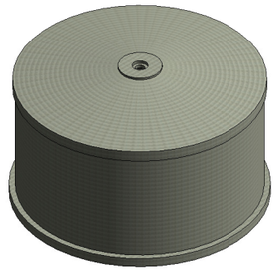
INPUT

Object Name **FTF-SDR-DSD-CONC-CIR**

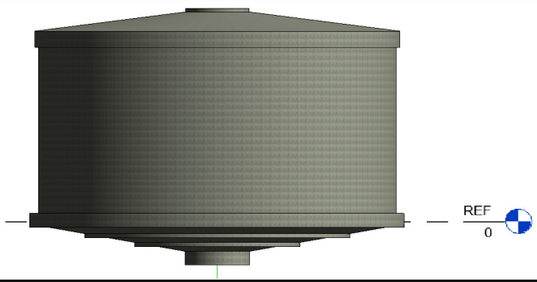
CATEGORY **Generic Models**

LOD-G **300**

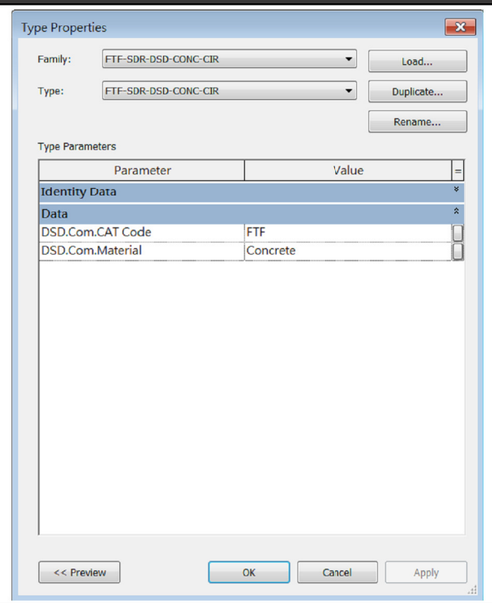




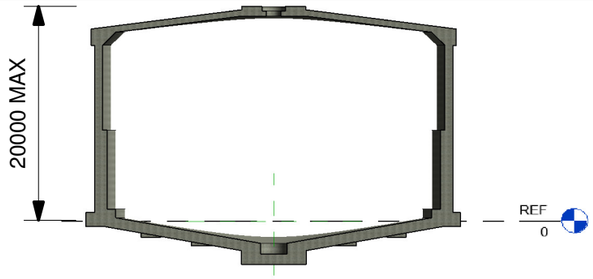
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

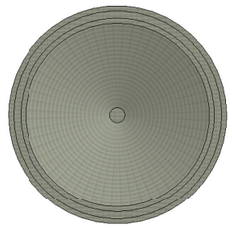
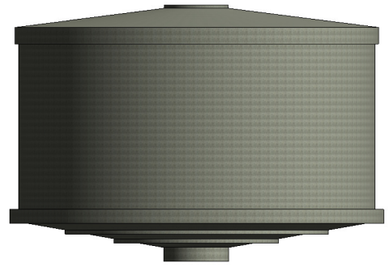
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Treatment Facility Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FTF	01/01/2019	01/05/2018	Concrete

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-1208**
	DATE **07-2020**	
	REVISION **0**	

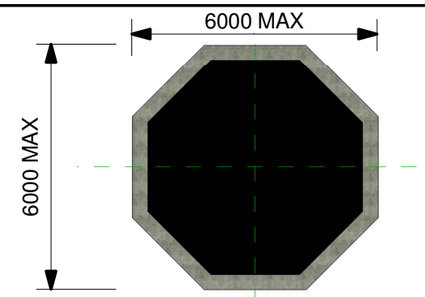
INPUT

Object Name **FCH-SDC-DSD-CONC-___**

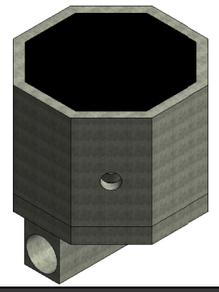
CATEGORY **Generic Models**

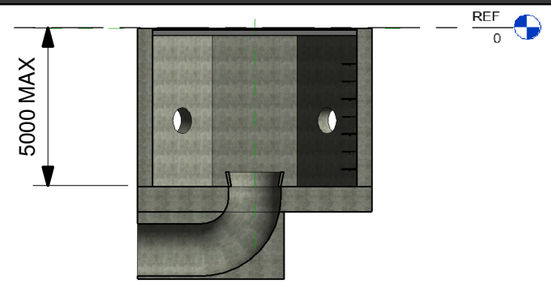
LOD-G **300**

PLAN

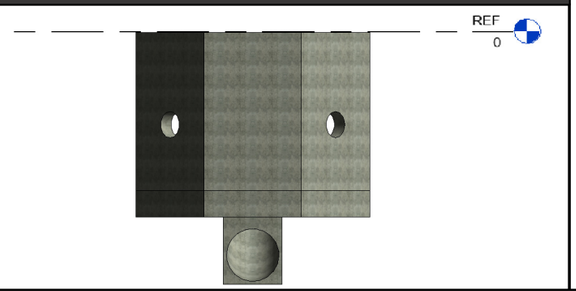


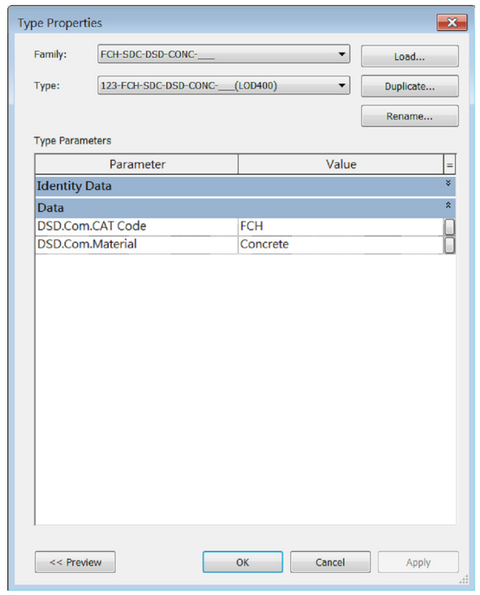
3D





FRONT ELEVATION / SECTION





SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

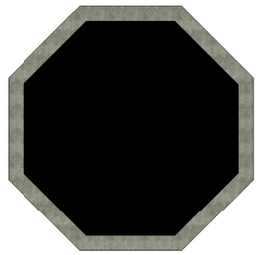
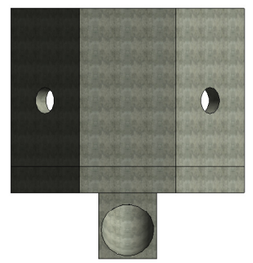
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage chamber Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FCH	01/05/2018	01/01/2019	Concrete

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BIM OBJECT SHEET

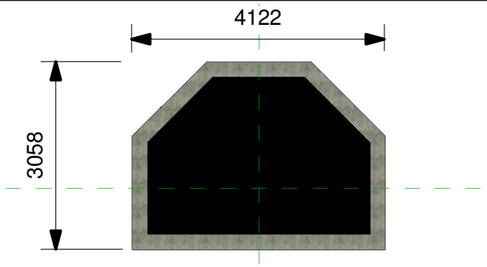
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1209**
	DATE **07-2020**	
	REVISION **0**	

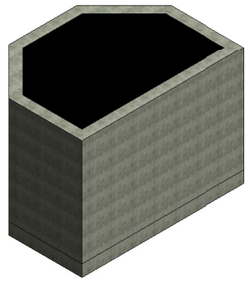
INPUT

Object Name **FTF-SDO-DSD-CONC-___**

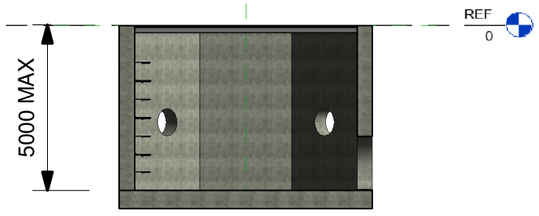
CATEGORY **Generic Models**

LOD-G **300**

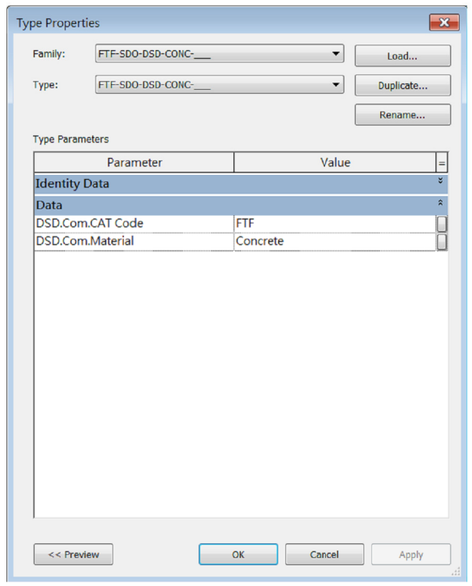




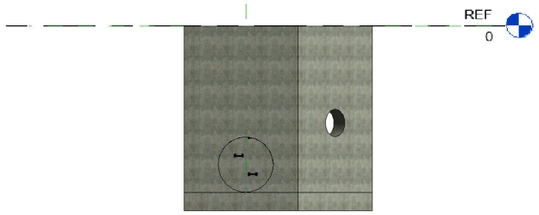
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

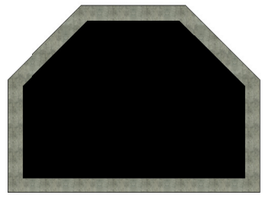
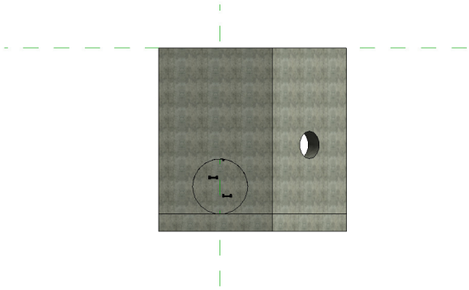
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Treatment Facility Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FTF	01/05/2018	01/01/2019	Concrete

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BIM OBJECT SHEET

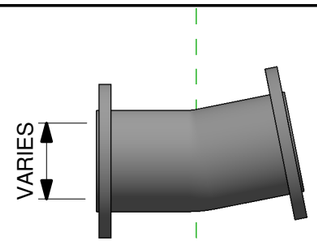
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1210**
	DATE **07-2020**	
	REVISION **0**	

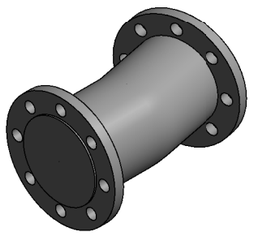
INPUT

Object Name **FRM-ELB-DSD-DI-SF_11_25D**

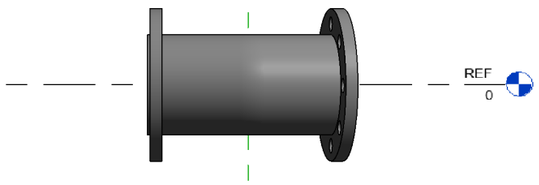
CATEGORY **Pipe Fitting**

LOD-G **300**

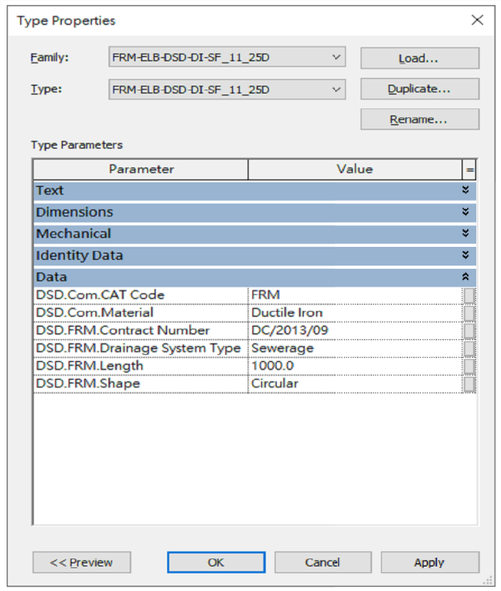




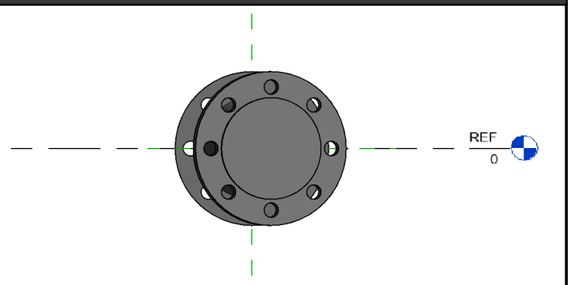
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

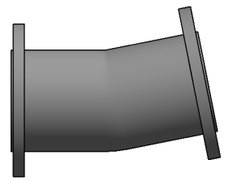
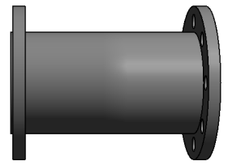
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/01/2019	010/05/2018	Ductile Iron

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BIM OBJECT SHEET

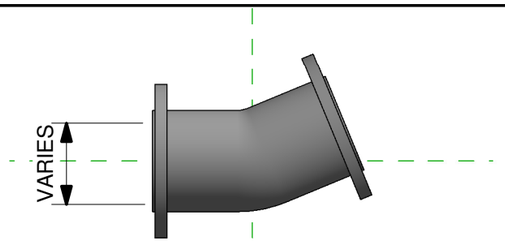
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1211**
	DATE **07-2020**	
	REVISION **0**	

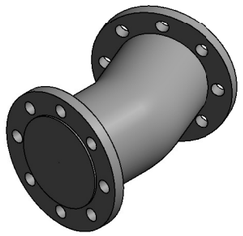
INPUT

Object Name **FRM-ELB-DSD-DI-SF_22_5D**

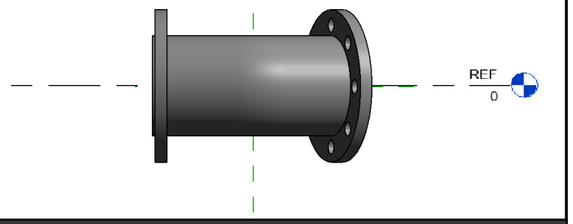
CATEGORY **Pipe Fitting**

LOD-G **300**

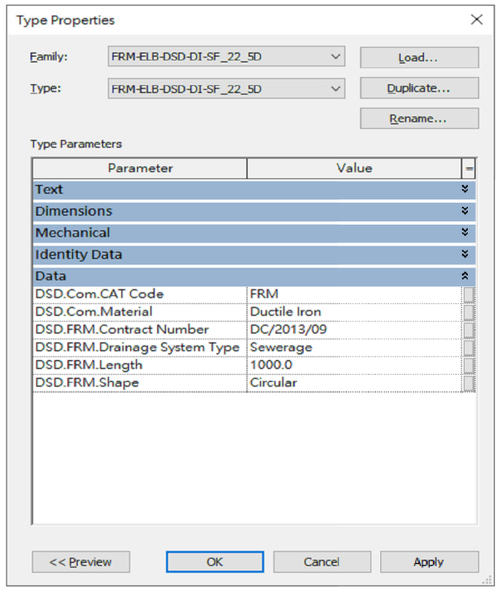




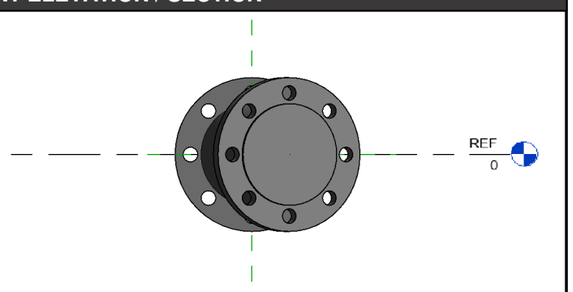
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

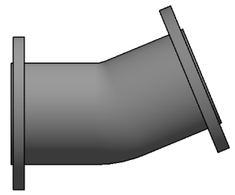
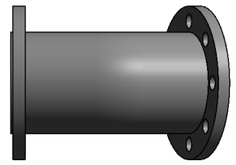
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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BIM OBJECT SHEET

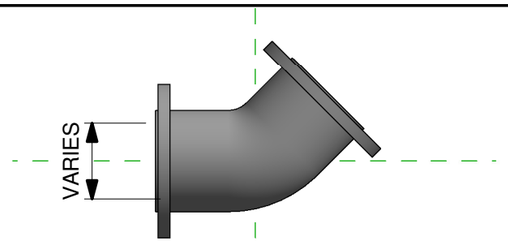
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1212**
	DATE **07-2020**	
	REVISION **0**	

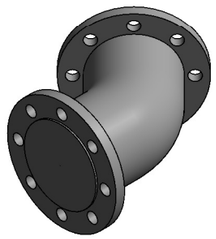
INPUT

Object Name **FRM-ELB-DSD-DI-SF_45D**

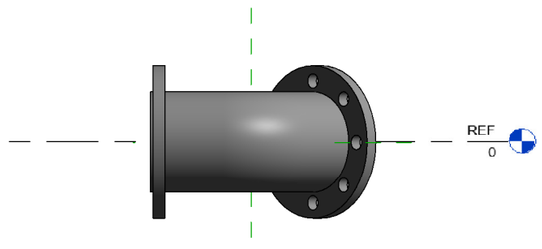
CATEGORY **Pipe Fitting**

LOD-G **300**

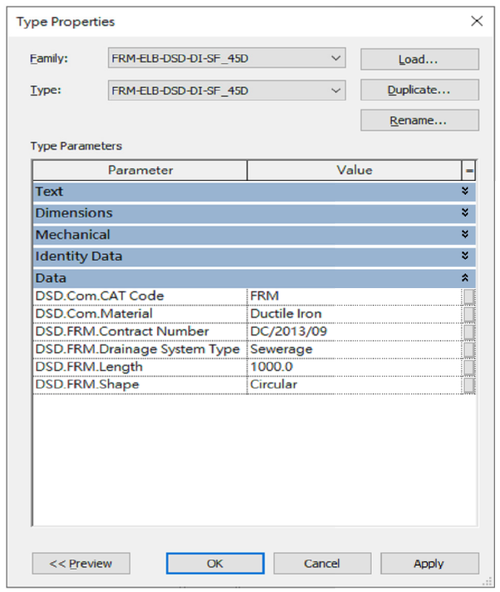




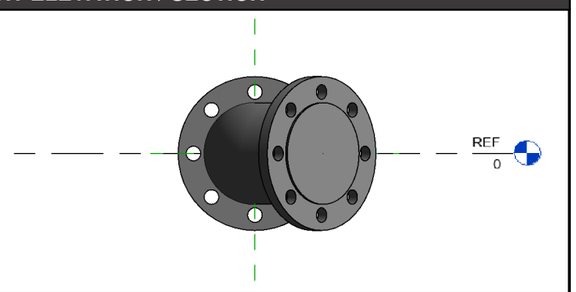
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

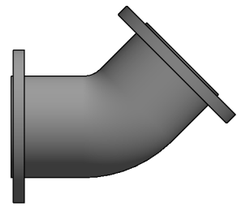
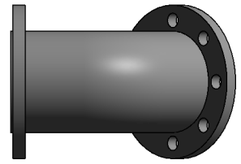
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

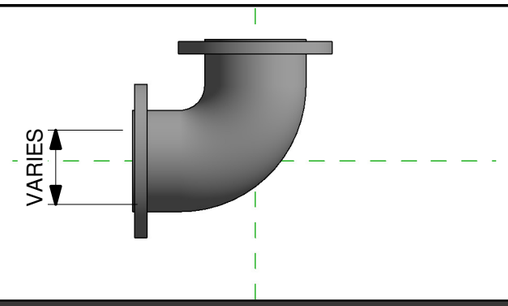
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1213**
	DATE **07-2020**	
	REVISION **0**	

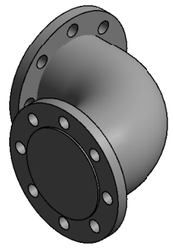
INPUT

Object Name **FRM-ELB-DSD-DI-SF_90D**

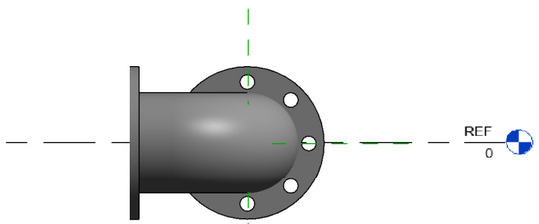
CATEGORY **Pipe Fitting**

LOD-G **300**

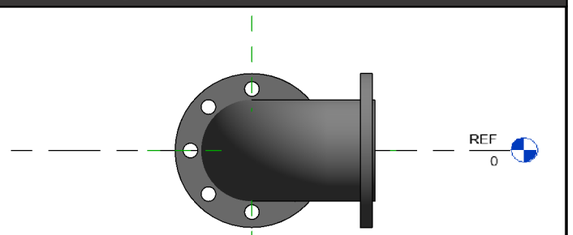




PLAN

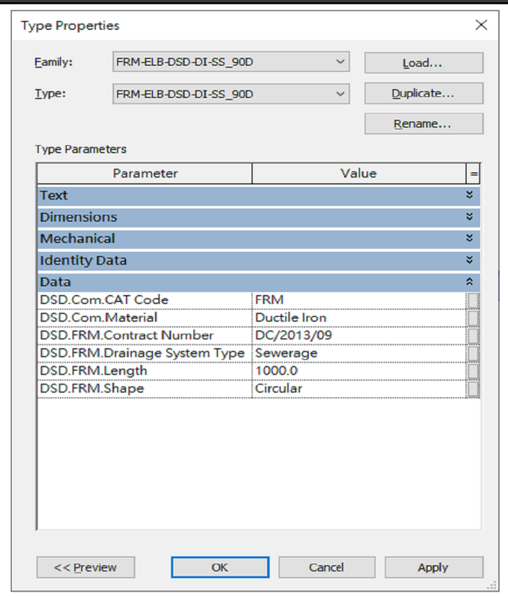


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

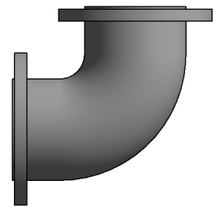
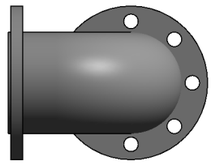
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

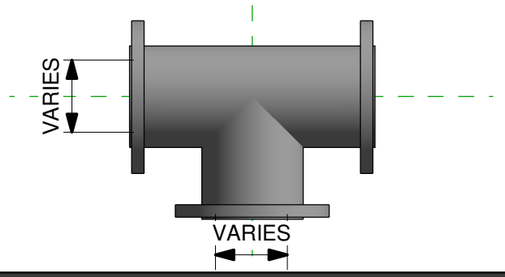
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1214**
	DATE **07-2020**	
	REVISION **0**	

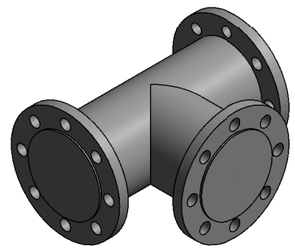
INPUT

Object Name **FRM-TEE-DSD-DI-SF**

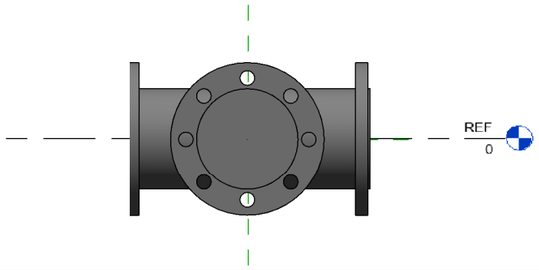
CATEGORY **Pipe Fitting**

LOD-G **300**

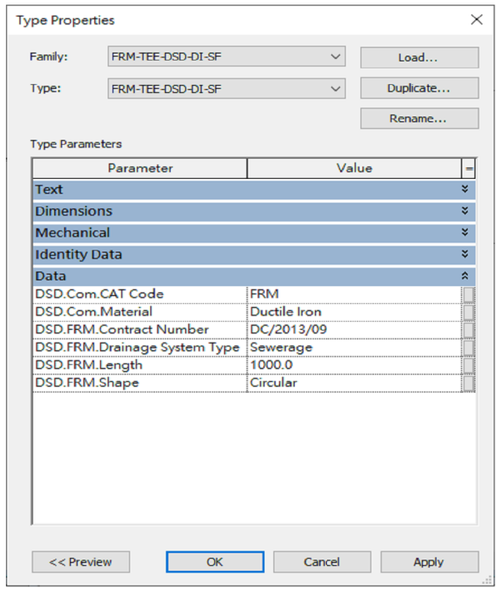




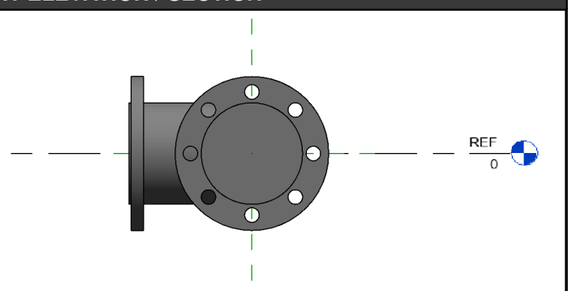
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

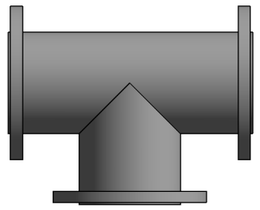
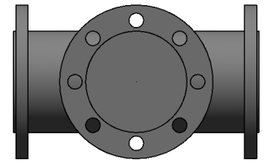
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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BIM OBJECT SHEET

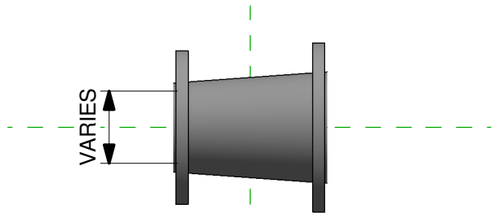
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1215**
	DATE **07-2020**	
	REVISION **0**	

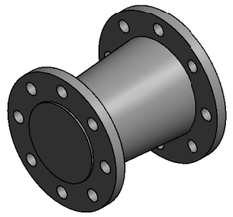
INPUT

Object Name **FRM-RED-DSD-DI-SF_Concentric**

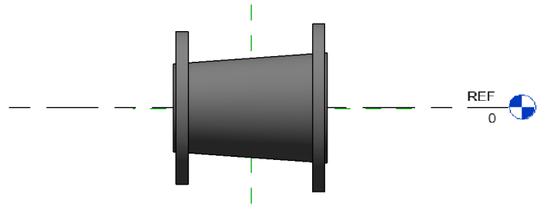
CATEGORY **Pipe Fitting**

LOD-G **300**

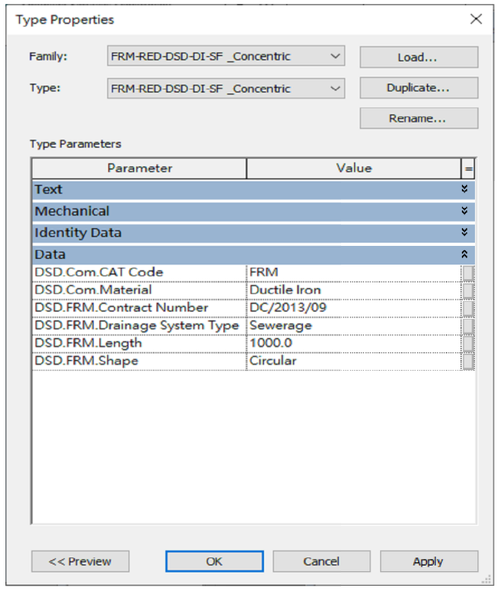




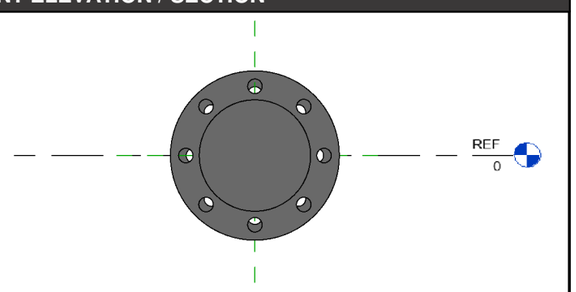
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

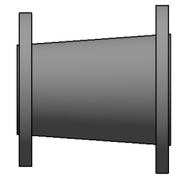
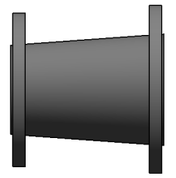
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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BIM OBJECT SHEET

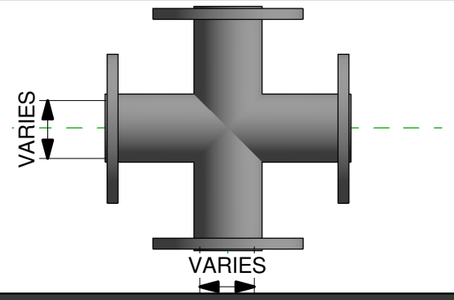
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1216**
	DATE **07-2020**	
	REVISION **0**	

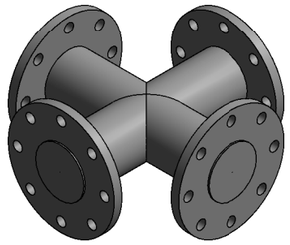
INPUT

Object Name **FRM-CRO-DSD-DI-SF**

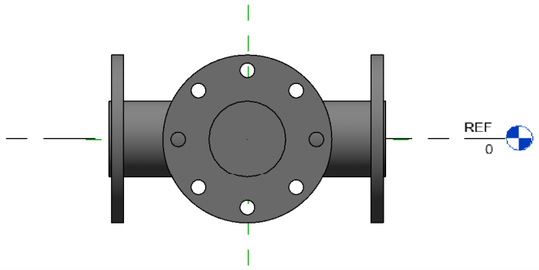
CATEGORY **Pipe Fitting**

LOD-G **300**

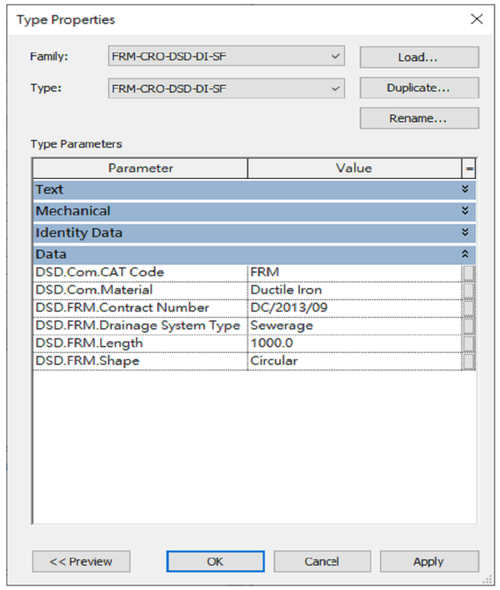




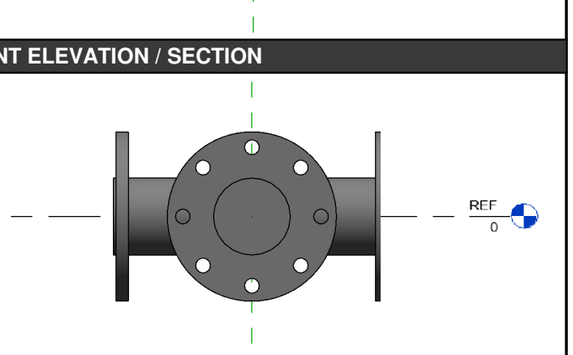
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

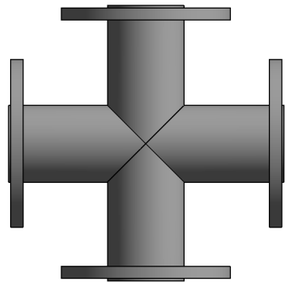
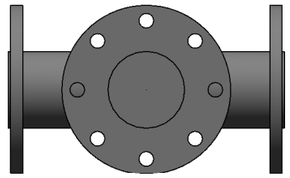
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

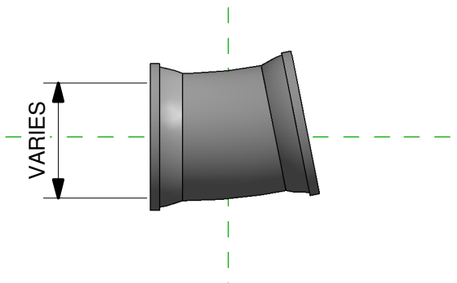
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1217**
	DATE **07-2020**	
	REVISION **0**	

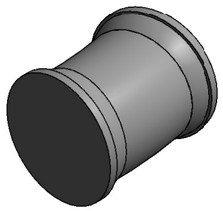
INPUT

Object Name **FRM-ELB-DSD-DI-SS_11_25D**

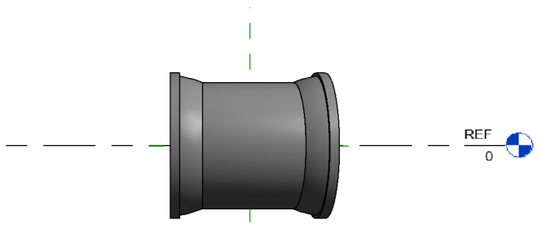
CATEGORY **Pipe Fitting**

LOD-G **300**

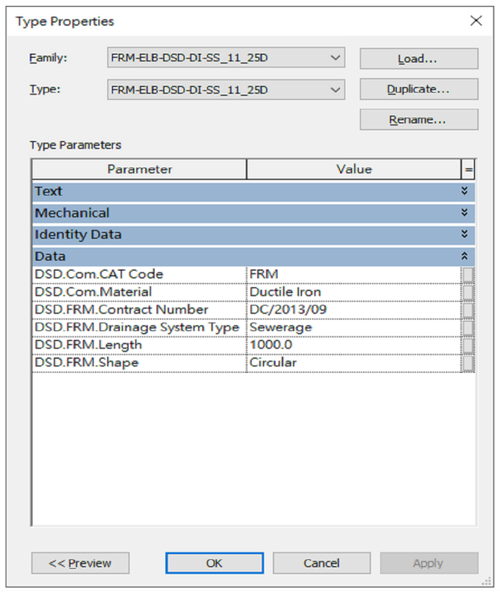




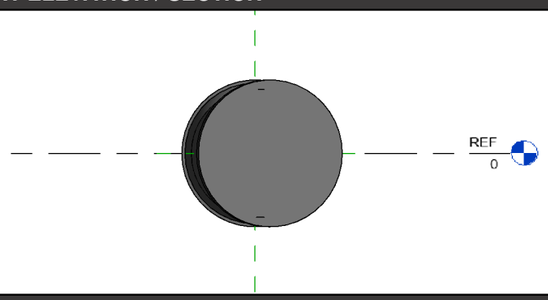
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

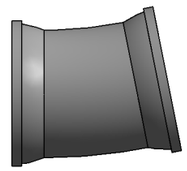
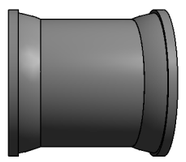
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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BIM OBJECT SHEET

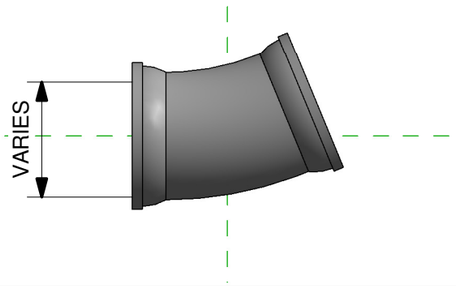
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1218**
	DATE **07-2020**	
	REVISION **0**	

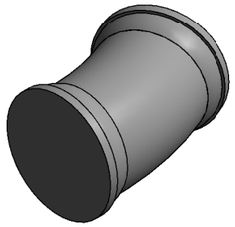
INPUT

Object Name **FRM-ELB-DSD-DI-SS_22_5D**

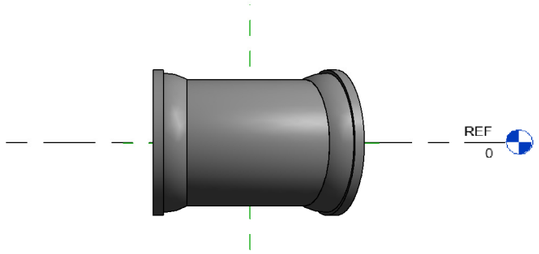
CATEGORY **Pipe Fitting**

LOD-G **300**

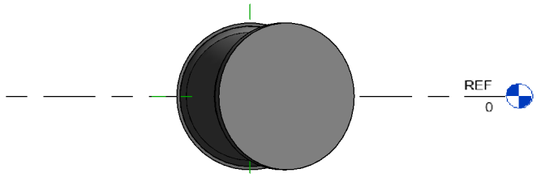




PLAN

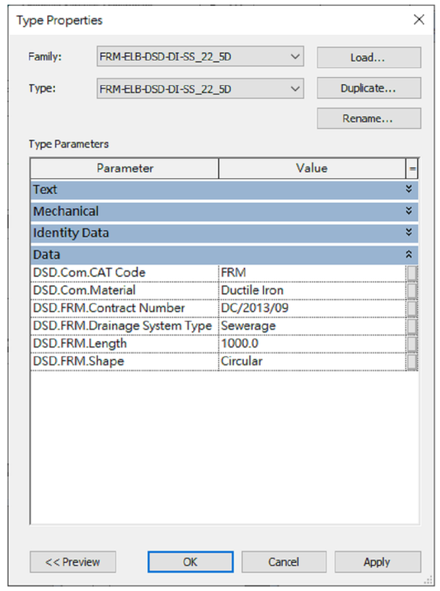


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

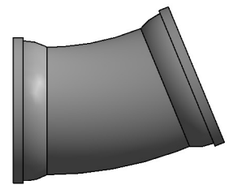
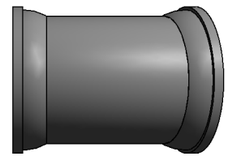
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

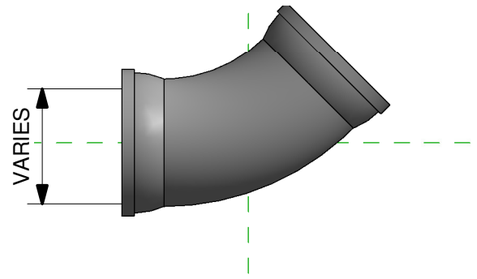
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1219**
	DATE **07-2020**	
	REVISION **0**	

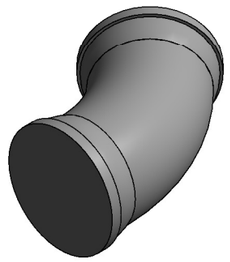
INPUT

Object Name **FRM-ELB-DSD-DI-SS_45D**

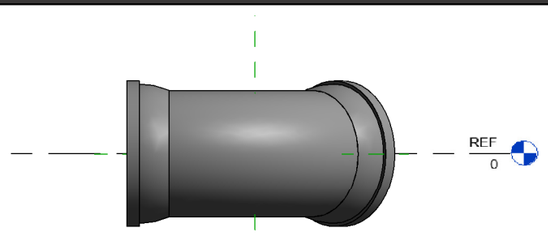
CATEGORY **Pipe Fitting**

LOD-G **300**

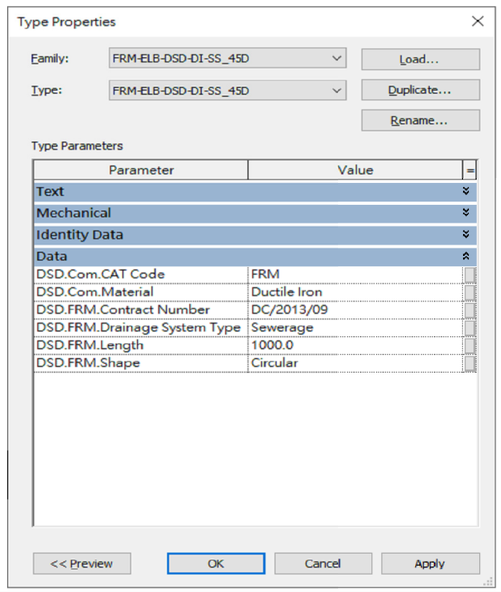




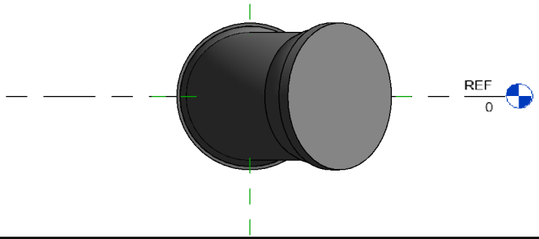
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

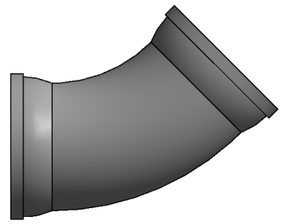
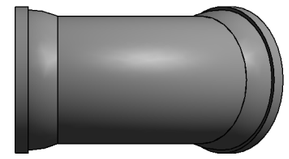
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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BIM OBJECT SHEET

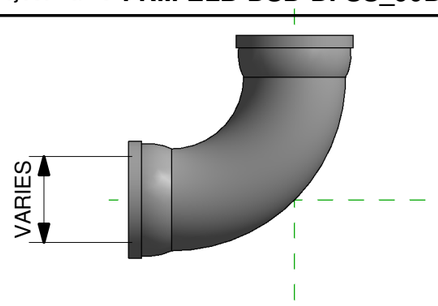
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1220**
	DATE **07-2020**	
	REVISION **0**	

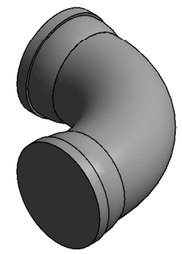
INPUT

Object Name **FRM-ELB-DSD-DI-SS_90D**

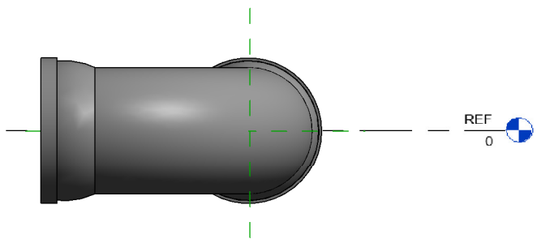
CATEGORY **Pipe Fitting**

LOD-G **300**

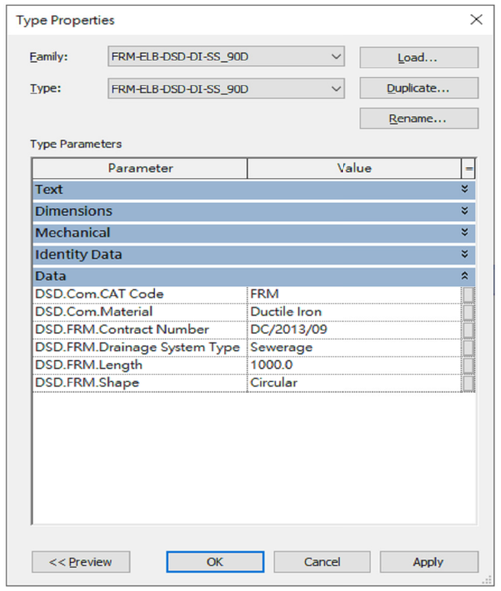




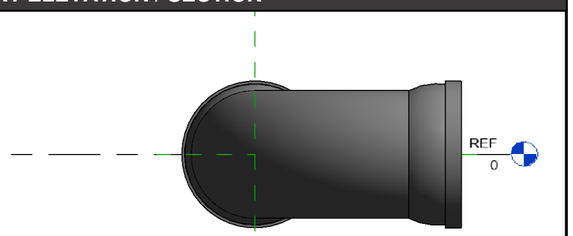
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

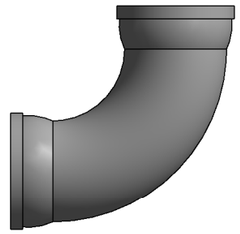
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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BIM OBJECT SHEET

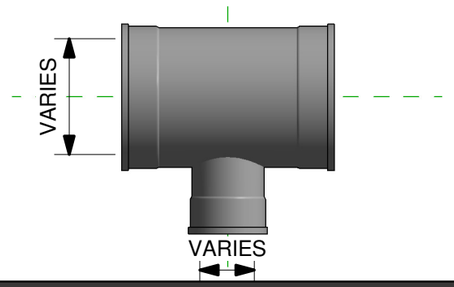
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1221**
	DATE **07-2020**	
	REVISION **0**	

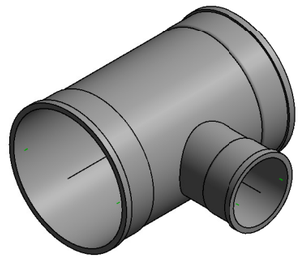
INPUT

Object Name **FRM-TEE-DSD-DI-SS**

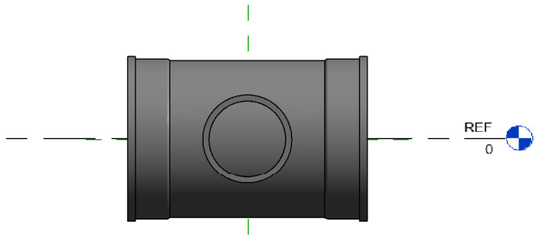
CATEGORY **Pipe Fitting**

LOD-G **300**

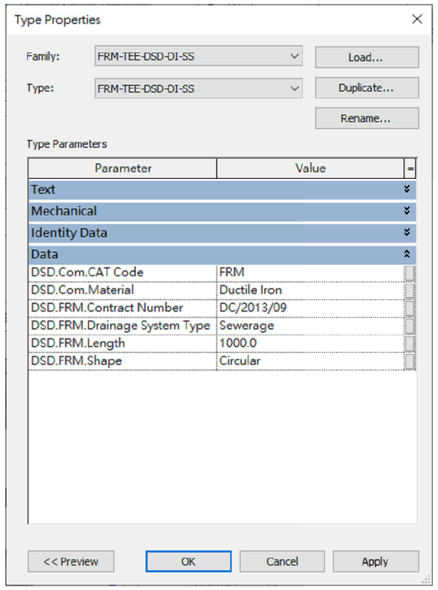




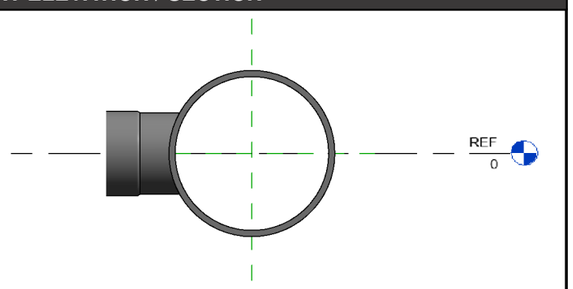
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

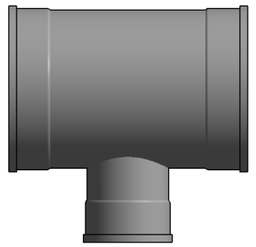
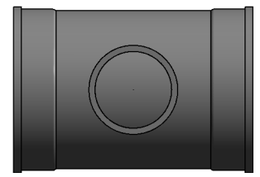
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/01/2019	01/05/2018	Ductile Iron

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BIM OBJECT SHEET

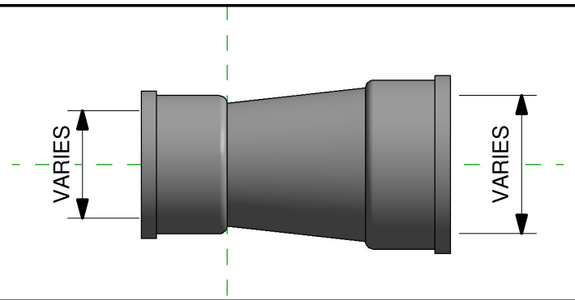
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1222**
	DATE **07-2020**	
	REVISION **0**	

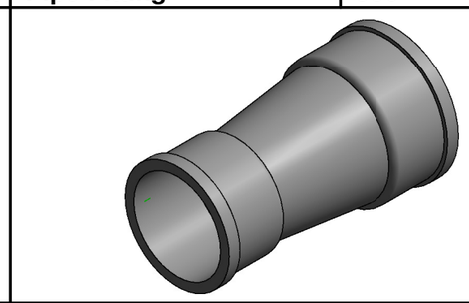
INPUT

Object Name **FRM-RED-DSD-DI-SS_Concentric**

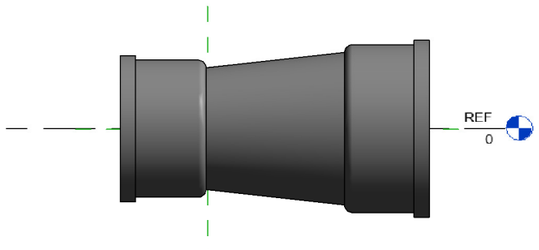
CATEGORY **Pipe Fitting**

LOD-G **300**

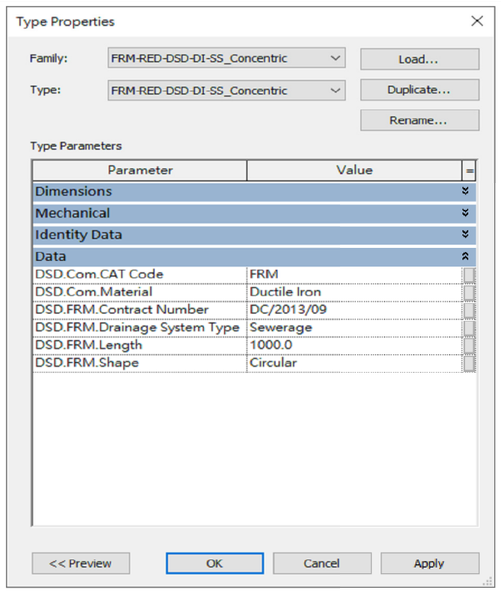




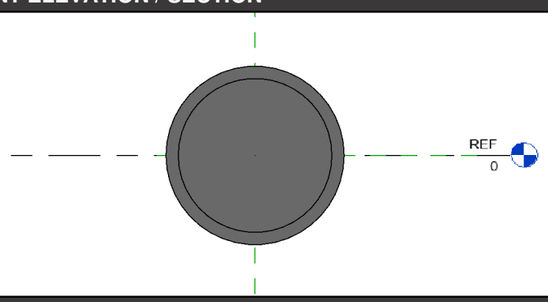
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

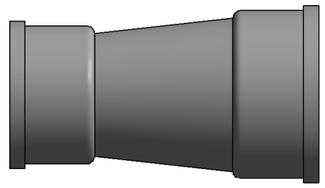
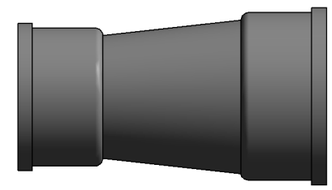
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

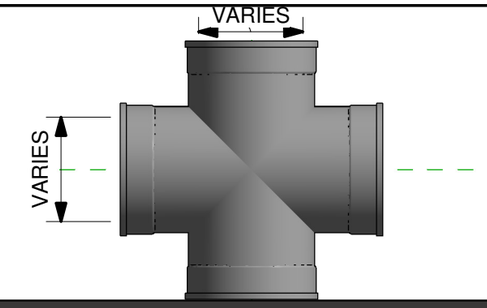
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1223**
	DATE **07-2020**	
	REVISION **0**	

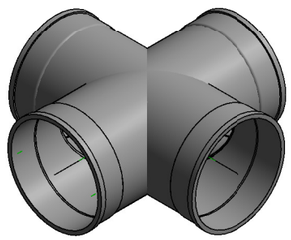
INPUT

Object Name **FRM-CRO-DSD-DI-SS**

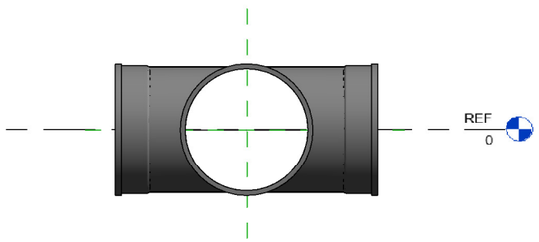
CATEGORY **Pipe Fitting**

LOD-G **300**

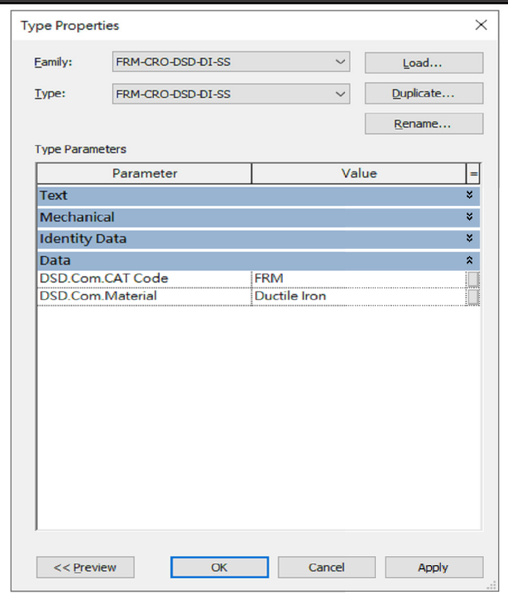




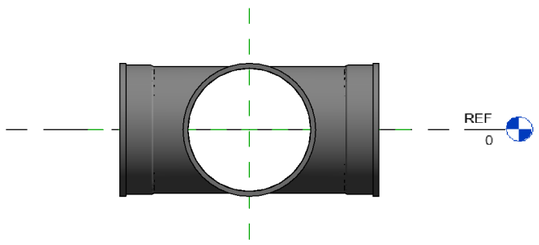
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

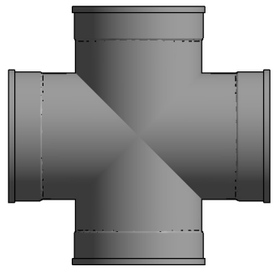
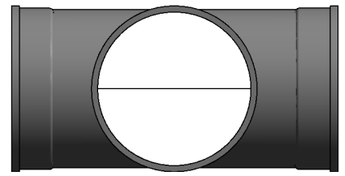
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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BIM OBJECT SHEET

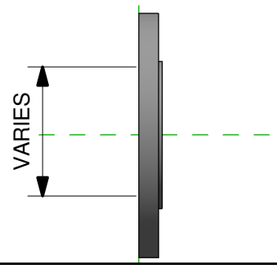
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1224**
	DATE **07-2020**	
	REVISION **0**	

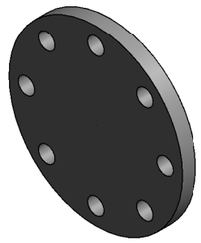
INPUT

Object Name **FRM-FLA-DSD-DI-ECAP**

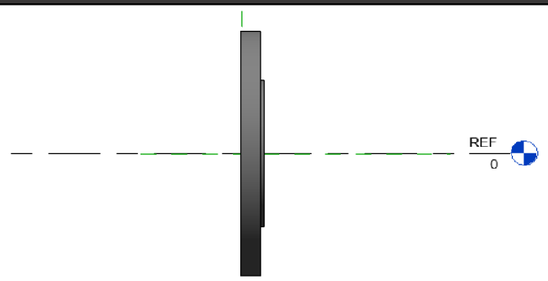
CATEGORY **Pipe Fitting**

LOD-G **300**

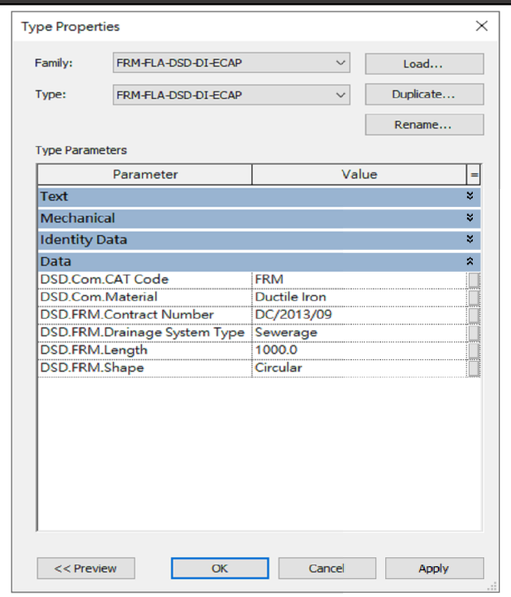




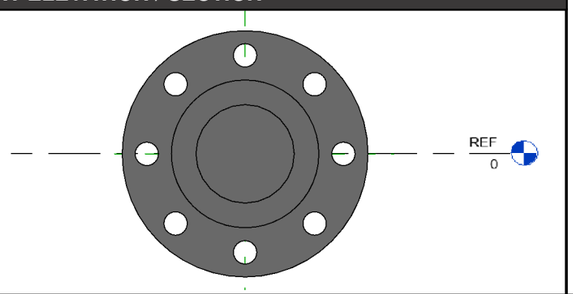
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

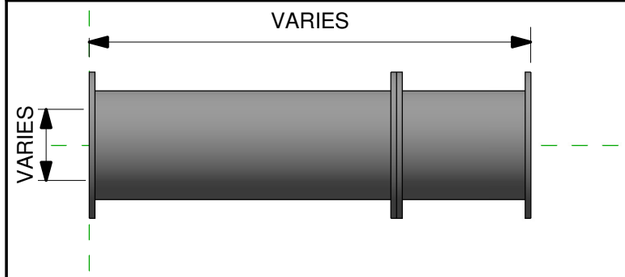
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1225**
	DATE **07-2020**	
	REVISION **0**	

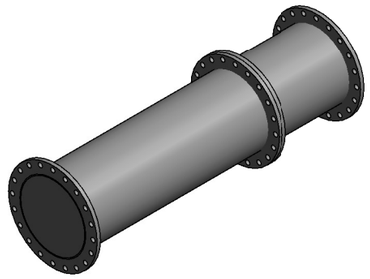
INPUT

Object Name **FRM-___-DSD-DI-Flanged**

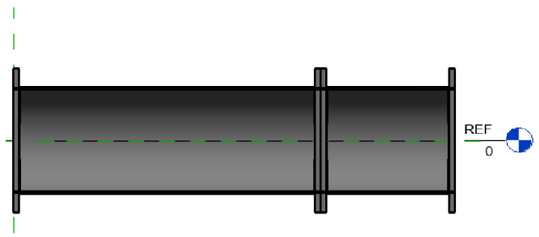
CATEGORY **Pipe Fitting**

LOD-G **300**

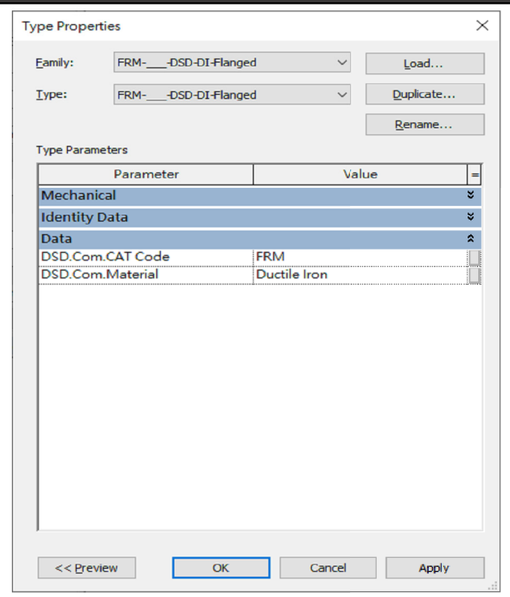




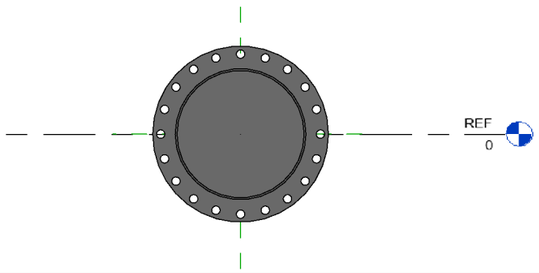
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/05/2018	01/01/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

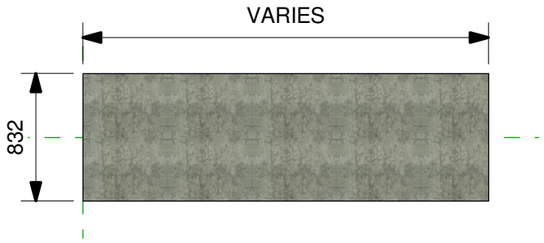
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1226**
	DATE **07-2020**	
	REVISION **0**	

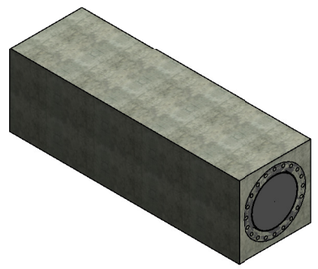
INPUT

Object Name **FRM-___-DSD-DI-Flanged-A**

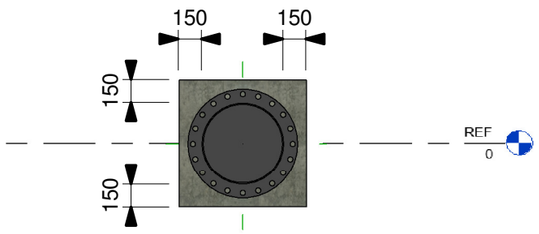
CATEGORY **Pipe**

LOD-G **300**

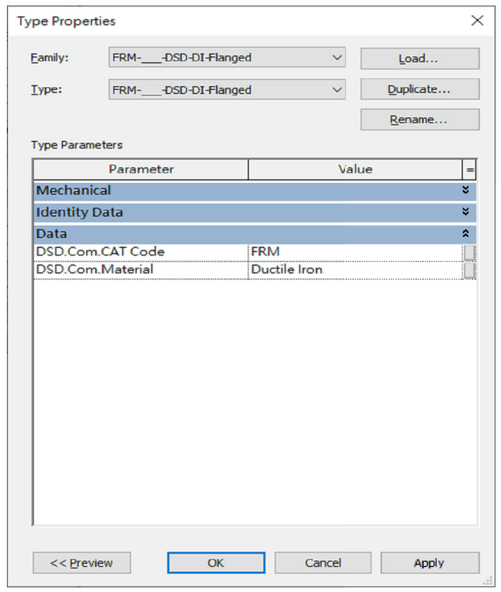




PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/01/2019	01/05/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

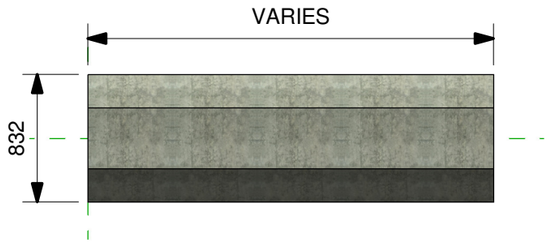
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-1227**
	DATE **07-2020**	
	REVISION **0**	

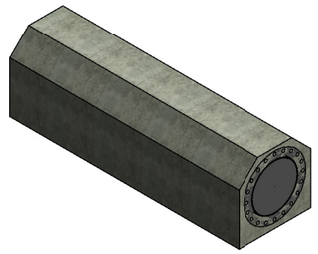
INPUT

Object Name **FRM-___-DSD-DI-Flanged-B**

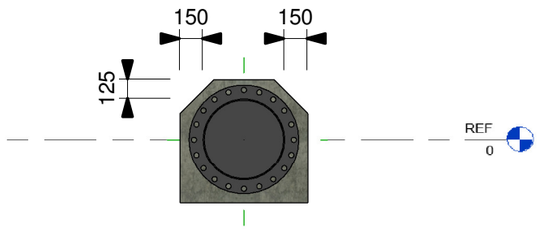
CATEGORY **Pipe**

LOD-G **300**

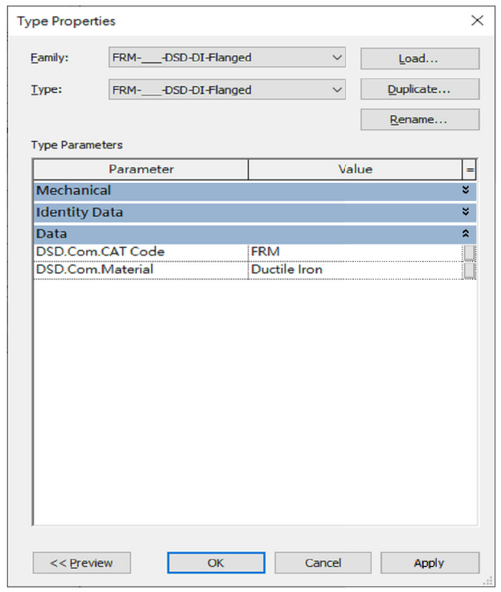




PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

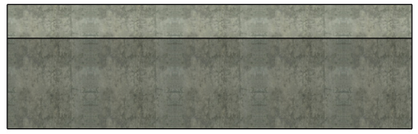
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sewerage Pipe Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
FRM	01/01/2019	01/05/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

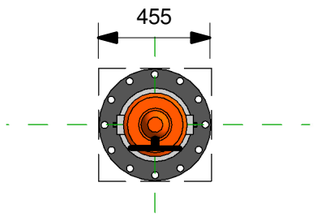
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2001**
	DATE **07-2020**	
	REVISION **0**	

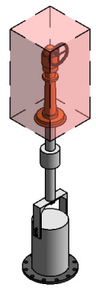
INPUT

Object Name **MVA-ADT-DSD-CI-___**

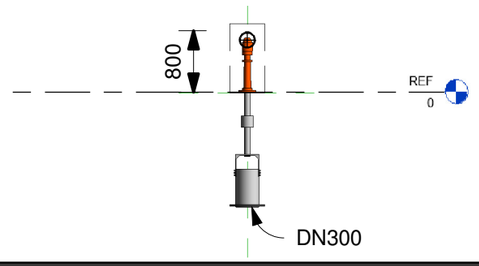
CATEGORY **Pipe Accessories**

LOD-G **300**

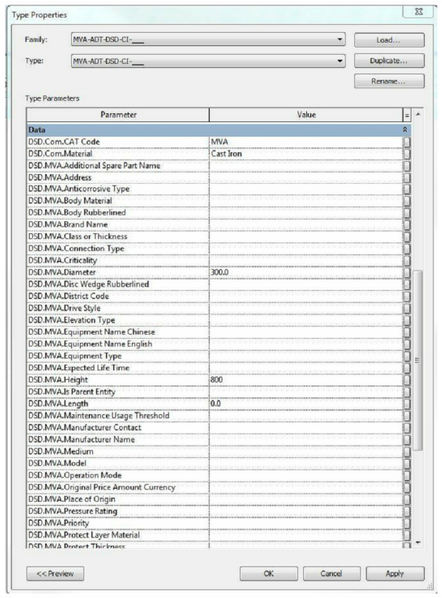




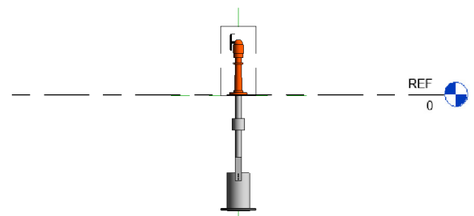
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

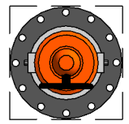
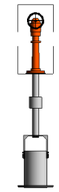
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2002**
	DATE **07-2020**	
	REVISION **0**	

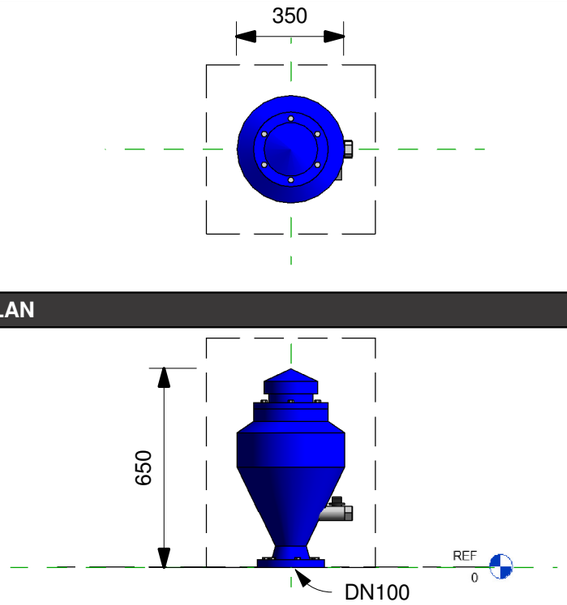
INPUT

Object Name **MVA-AIR-DSD-SS-___**

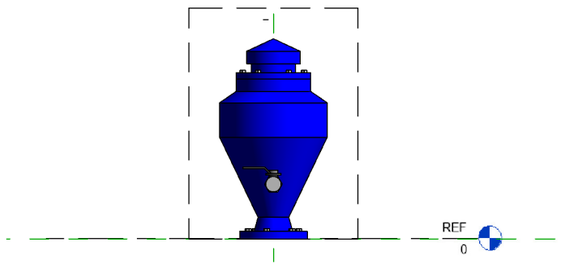
CATEGORY **Pipe Accessories**

LOD-G **300**

PLAN

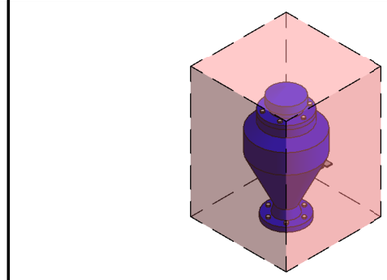


FRONT ELEVATION / SECTION

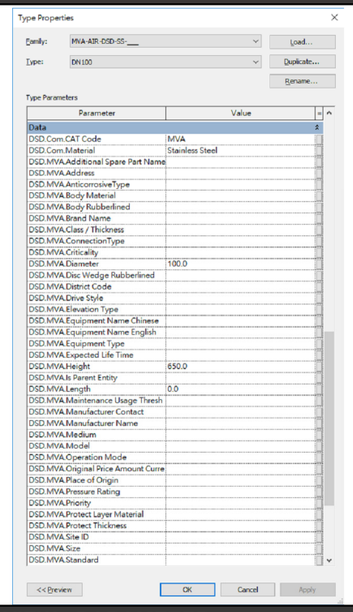


SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER



3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

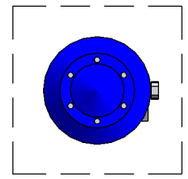
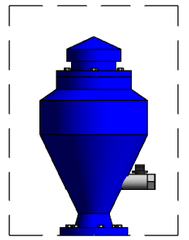
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

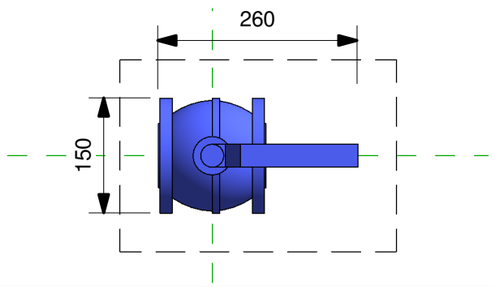
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2003**
	DATE **07-2020**	
	REVISION **0**	

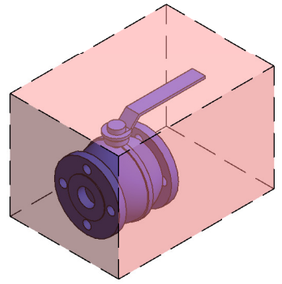
INPUT

Object Name **MVA-BAL-DSD-CI-___**

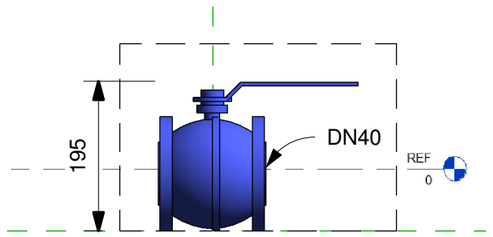
CATEGORY **Pipe Accessories**

LOD-G **300**

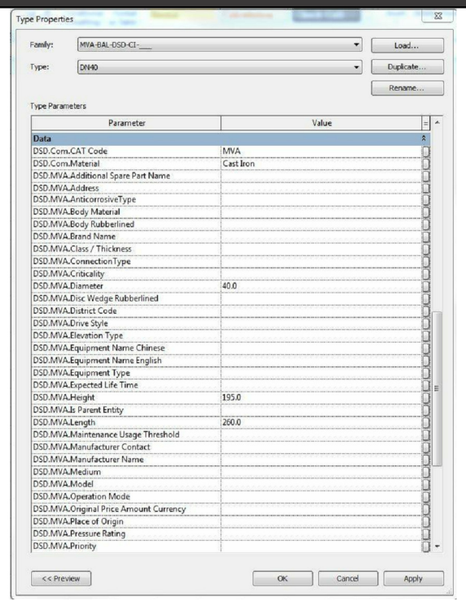




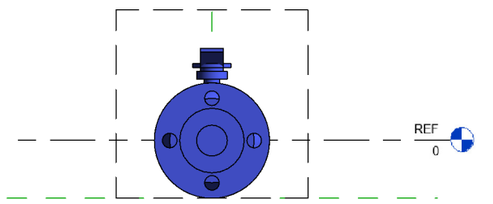
PLAN



3D



FRONT ELEVATION / SECTION

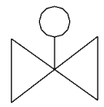


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA_BAL / DI_MVA_BAL



2D SYMBOL

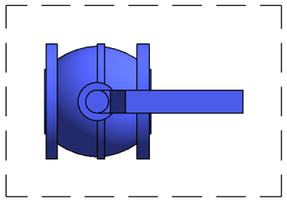
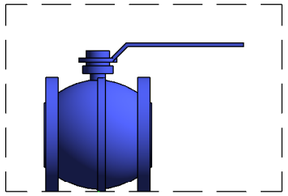
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Cast Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

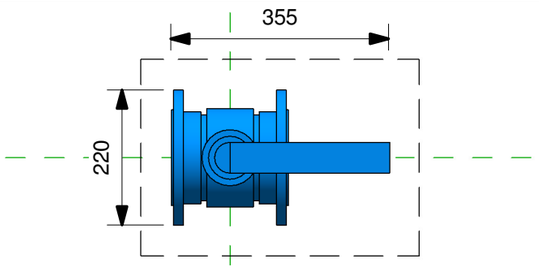
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2004**
	DATE **07-2020**	
	REVISION **0**	

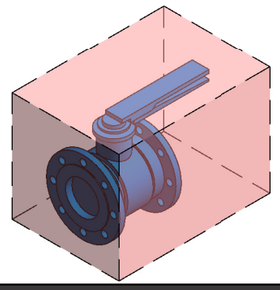
INPUT

Object Name **MVA-BUT-DSD-DI-DN80to300**

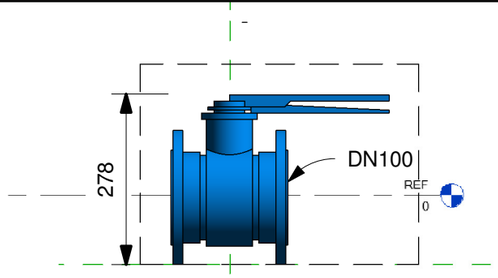
CATEGORY **Pipe Accessories**

LOD-G **300**

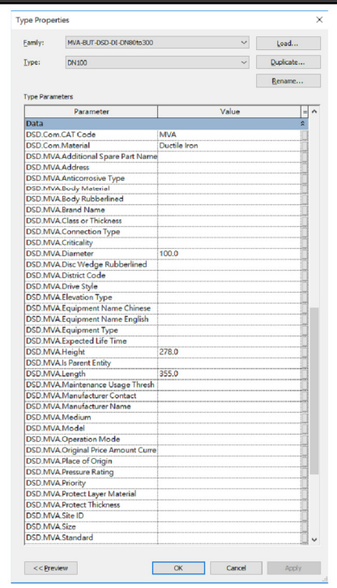




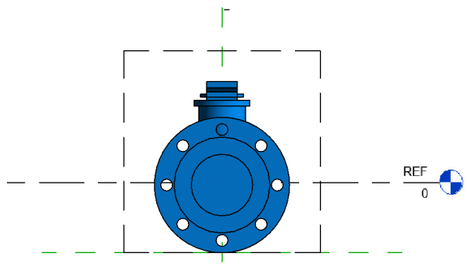
PLAN



3D



FRONT ELEVATION / SECTION

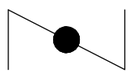


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA-BUT / DI_MVA_BUT



2D SYMBOL

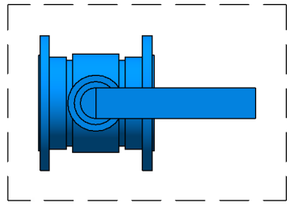
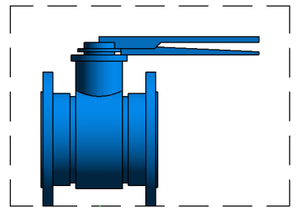
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Ductile Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

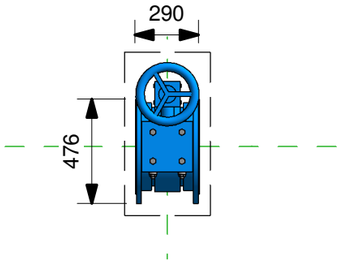
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2005**
	DATE **07-2020**	
	REVISION **0**	

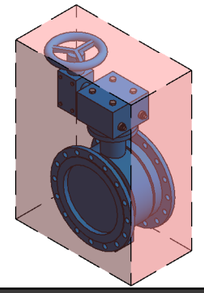
INPUT

Object Name **MVA-BUT-DSD-DI-DN350to3000**

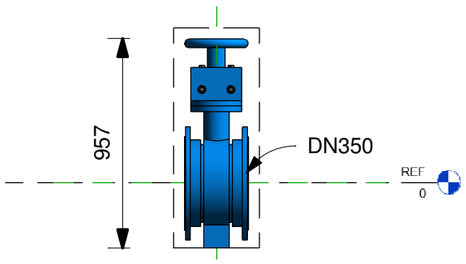
CATEGORY **Pipe Accessories**

LOD-G **300**

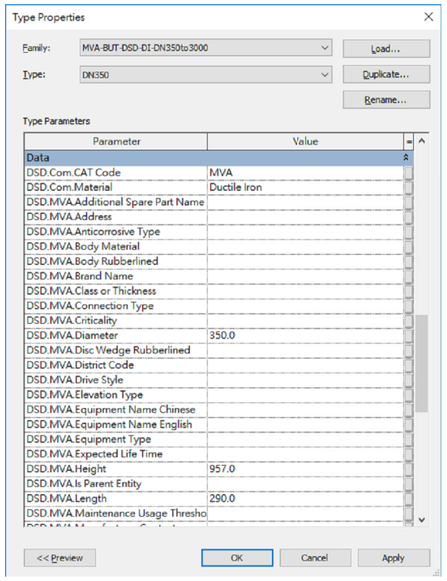




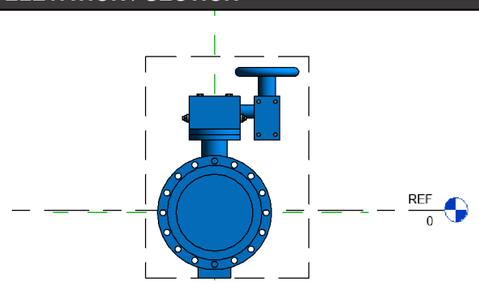
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA_BUT / DI_MVA_BUT

2D SYMBOL

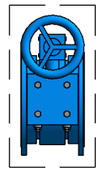
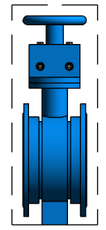
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2006**
	DATE **05-2020**	
	REVISION **0**	

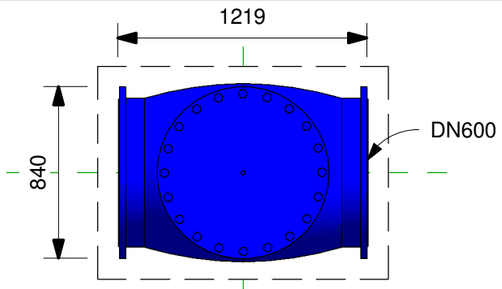
INPUT

Object Name **MVA-CHK-DSD-CI-DN40to600**

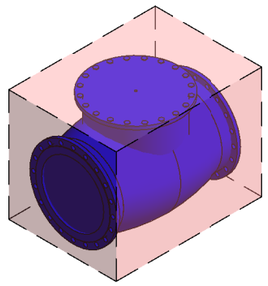
CATEGORY **Pipe Accessories**

LOD-G **300**

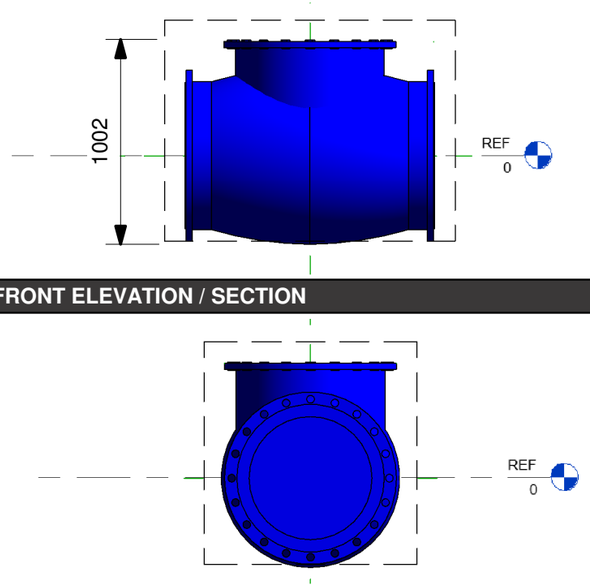
PLAN



3D

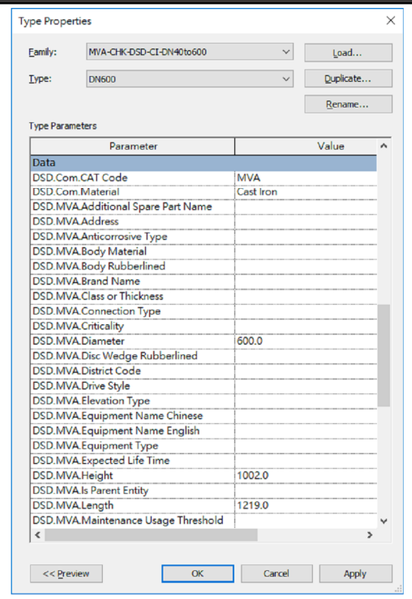


FRONT ELEVATION / SECTION



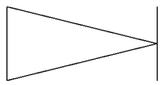
SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_MVA_CHK / DI_MVA_CHK



2D SYMBOL

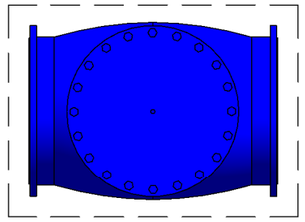
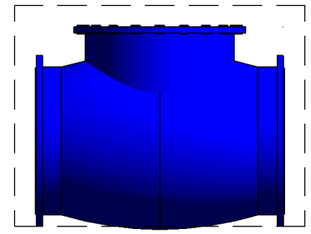
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

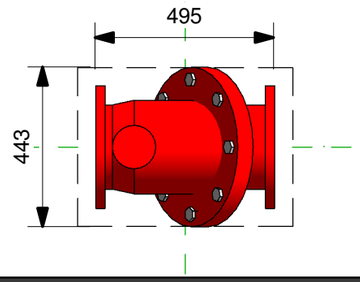
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2007**
	DATE **07-2020**	
	REVISION **0**	

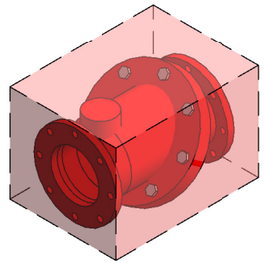
INPUT

Object Name **MVA-CHK-DSD-CI-DN100to1800**

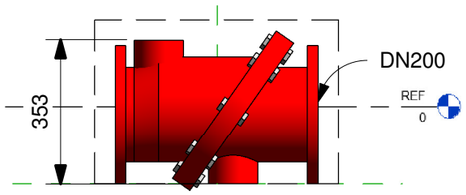
CATEGORY **Pipe Accessories**

LOD-G **300**

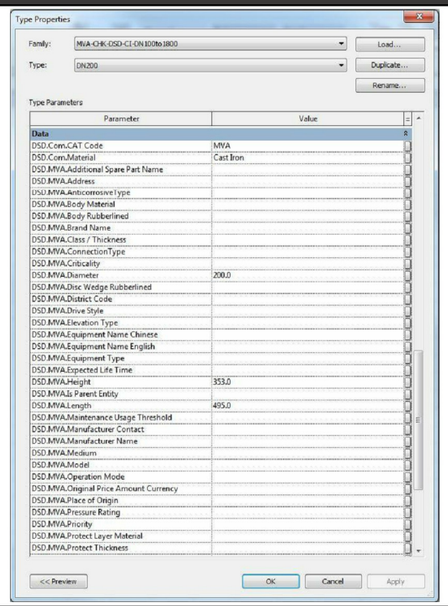




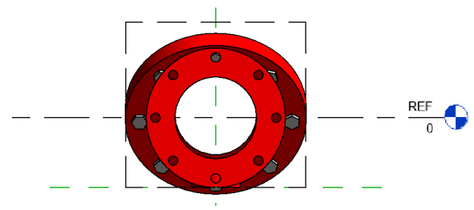
PLAN



3D



FRONT ELEVATION / SECTION

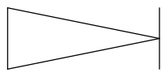


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA_CHK / DI_MVA_CHK



2D SYMBOL

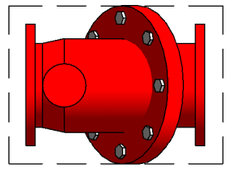
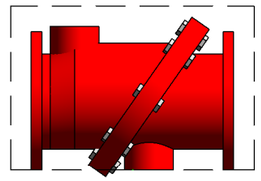
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

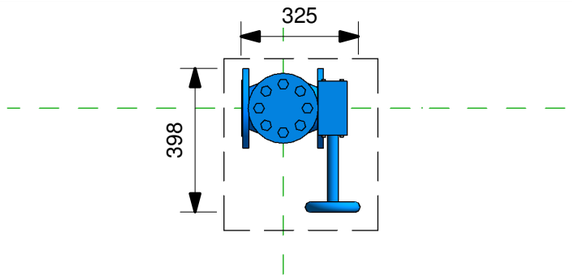
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2008**
	DATE **07-2020**	
	REVISION **0**	

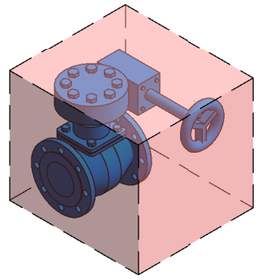
INPUT

Object Name **MVA-ECP-DSD-DI-DN65to300**

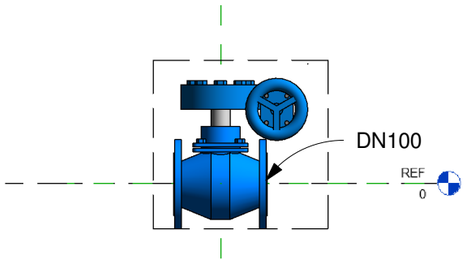
CATEGORY **Pipe Accessories**

LOD-G **300**

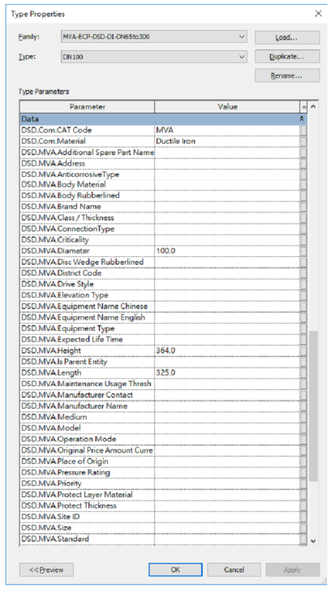




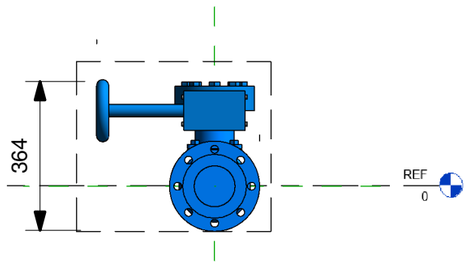
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

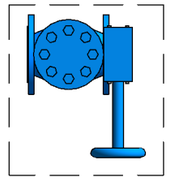
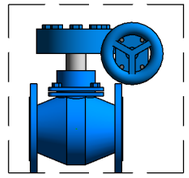
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

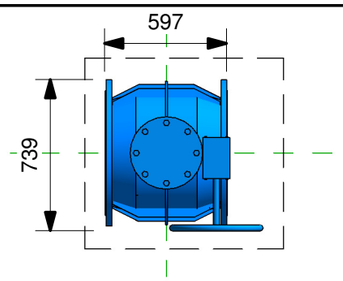
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2009**
	DATE **07-2020**	
	REVISION **0**	

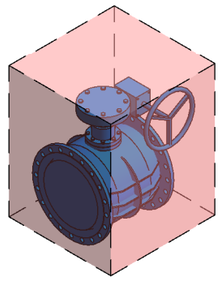
INPUT

Object Name **MVA-ECP-DSD-DI-DN350to1800**

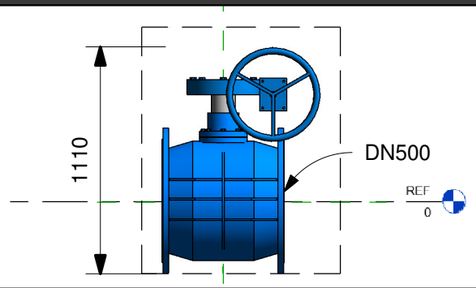
CATEGORY **Pipe Accessories**

LOD-G **300**

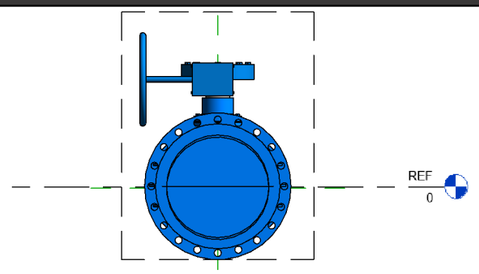




PLAN

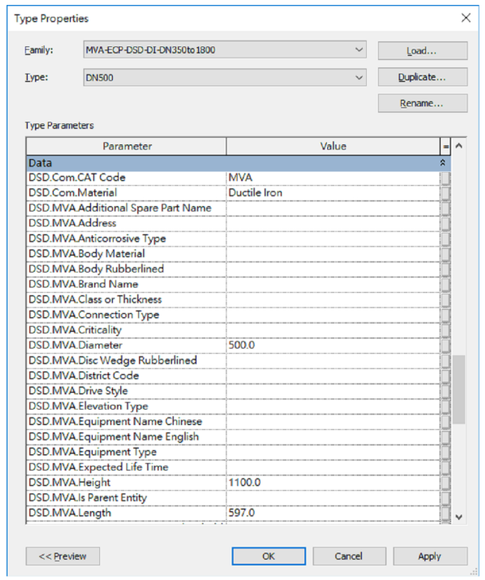


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

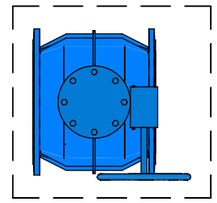
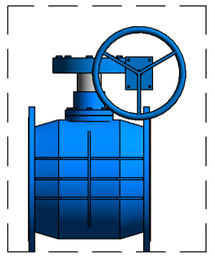
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Ductile Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

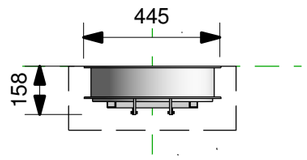
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2010**
	DATE **07-2020**	
	REVISION **0**	

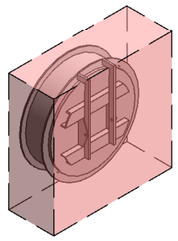
INPUT

Object Name **MVA-FLP-DSD-SS-Round**

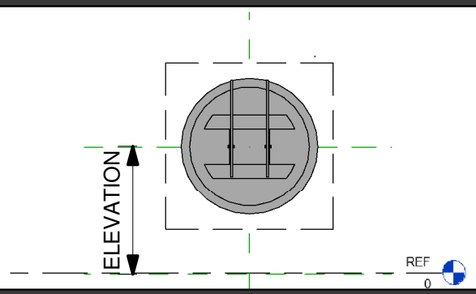
CATEGORY **Pipe Accessories**

LOD-G **300**

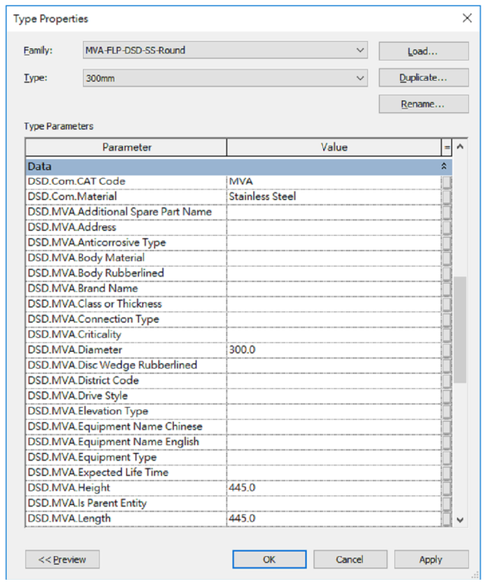




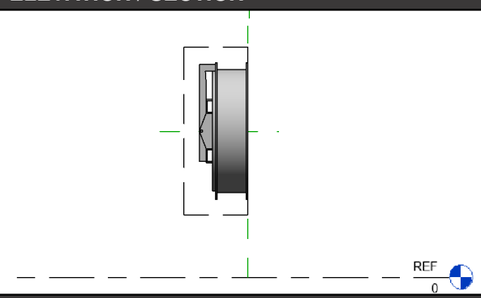
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

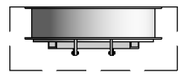
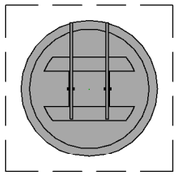
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Stainless Steel

渠務署
Drainage Services Department

BIM OBJECT SHEET

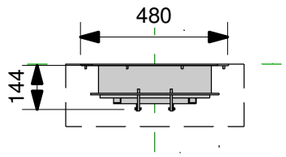
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2011**
	DATE **07-2020**	
	REVISION **0**	

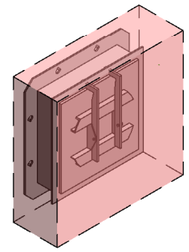
INPUT

Object Name **MVA-FLP-DSD-SS-Square**

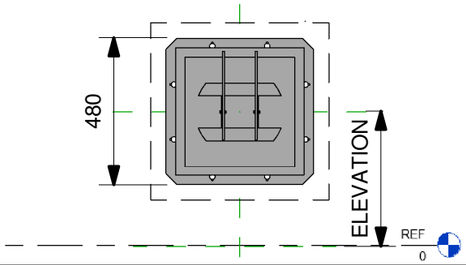
CATEGORY **Pipe Accessories**

LOD-G **300**

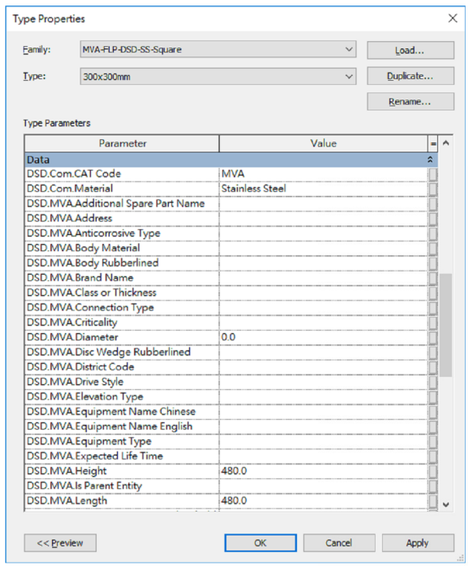




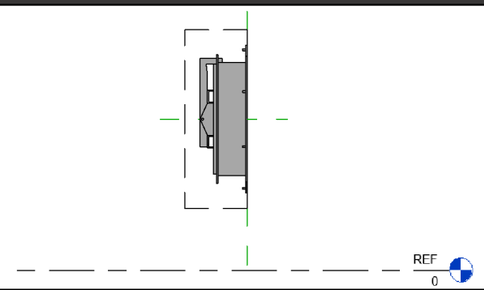
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

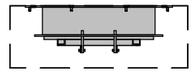
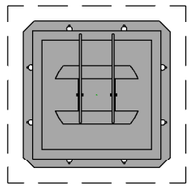
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

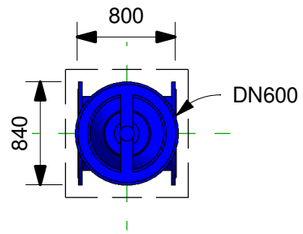
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2012**
	DATE **05-2020**	
	REVISION **0**	

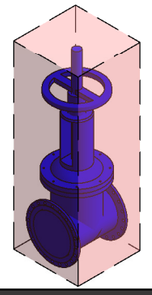
INPUT

Object Name **MVA-GAT-DSD-CI-DN50to600**

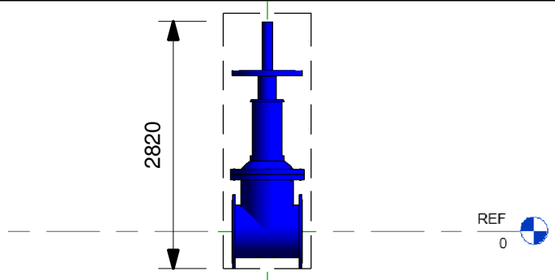
CATEGORY **Pipe Accessories**

LOD-G **300**

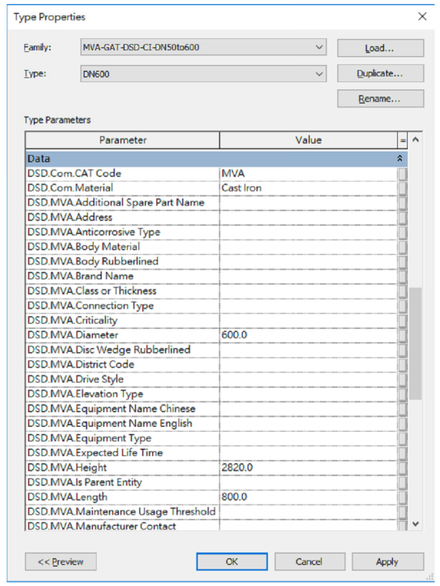




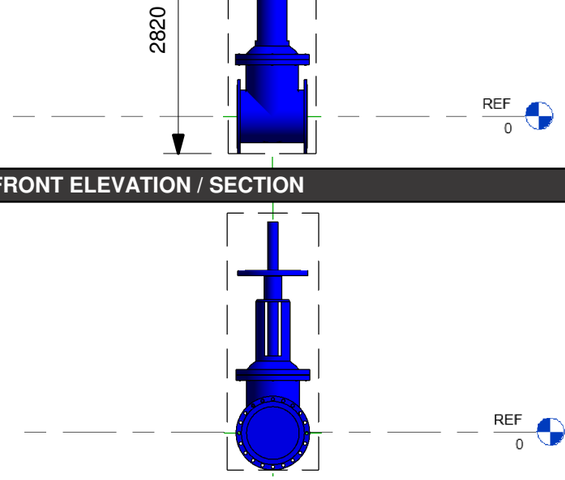
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA_GAT / DI_MVA_GAT

2D SYMBOL

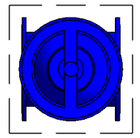
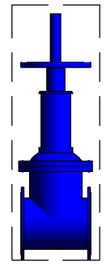
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

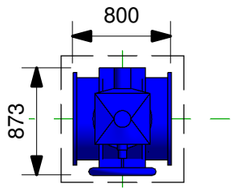
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2013**
	DATE **07-2020**	
	REVISION **0**	

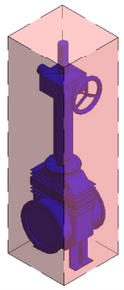
INPUT

Object Name **MVA-GAT-DSD-CI-DN500to2000**

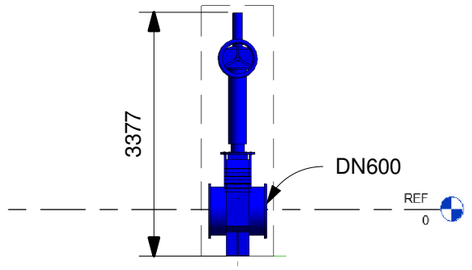
CATEGORY **Pipe Accessories**

LOD-G **300**

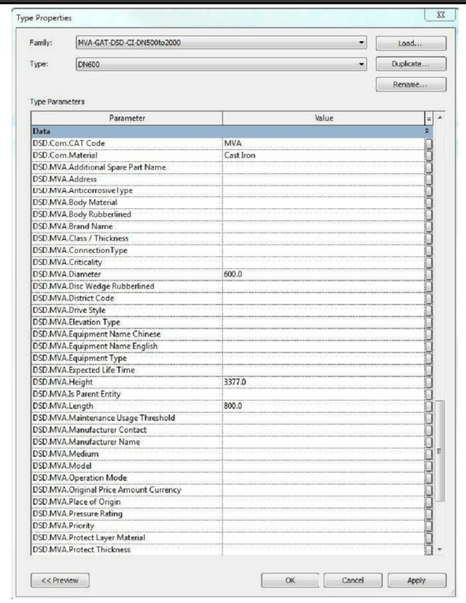




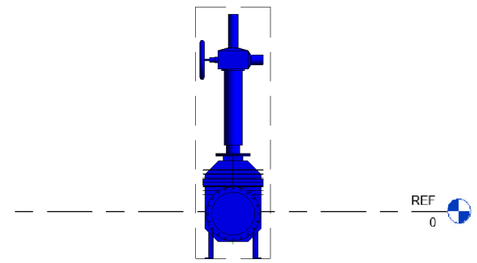
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA_GAT / DI_MVA_GAT

2D SYMBOL

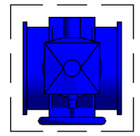
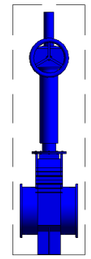
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/042019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

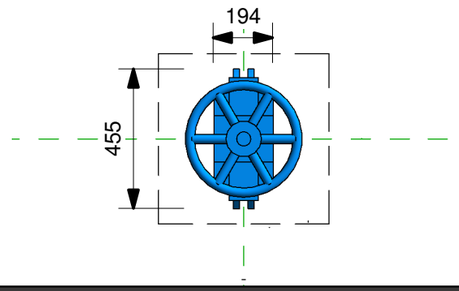
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2014**
	DATE **07-2020**	
	REVISION **0**	

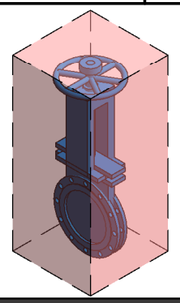
INPUT

Object Name **MVA-KNG-DSD-CI-___**

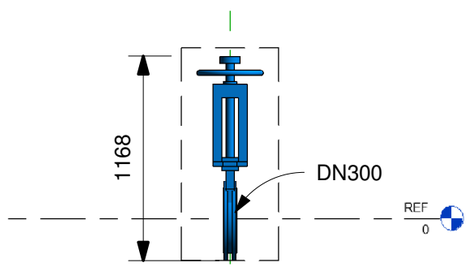
CATEGORY **Pipe Accessories**

LOD-G **300**

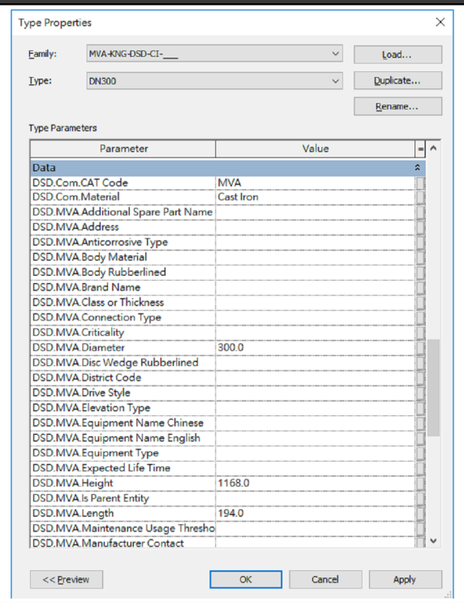




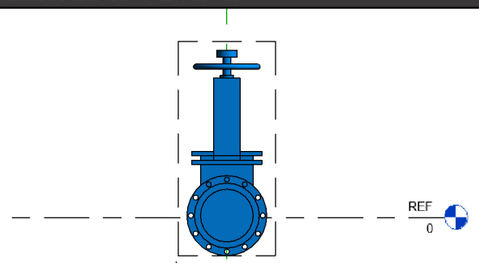
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

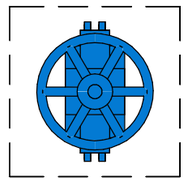
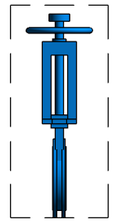
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

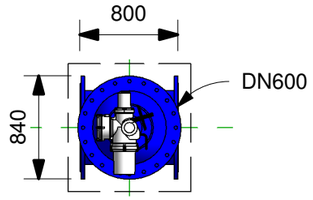
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2015**
	DATE **05-2020**	
	REVISION **0**	

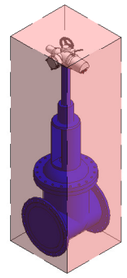
INPUT

Object Name **MVA-MOT-DSD-CI-DN50to600**

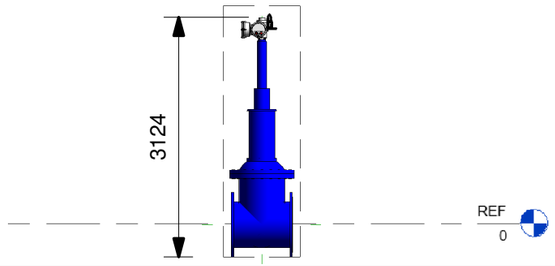
CATEGORY **Pipe Accessories**

LOD-G **300**

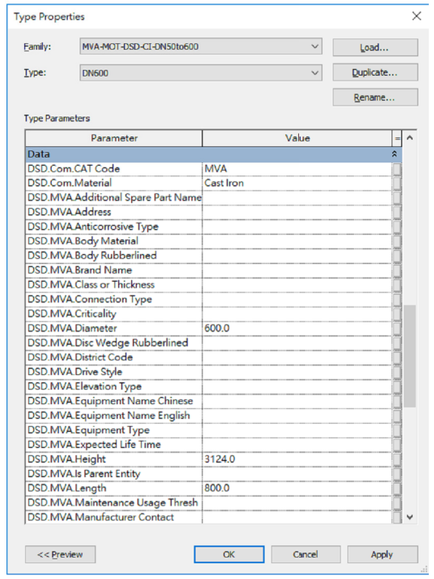




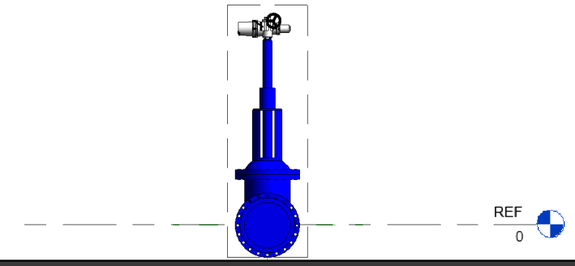
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA_MOT / DI_MVA_MOT

2D SYMBOL

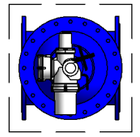
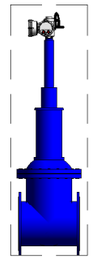
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

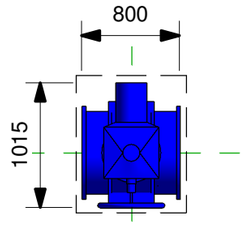
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2016**
	DATE **07-2020**	
	REVISION **0**	

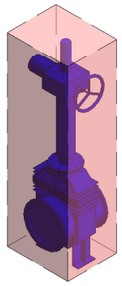
INPUT

Object Name **MVA-MOT-DSD-CI-DN500to2000**

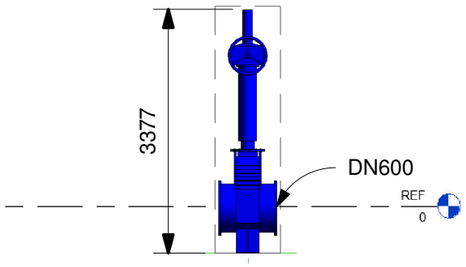
CATEGORY **Pipe Accessories**

LOD-G **300**

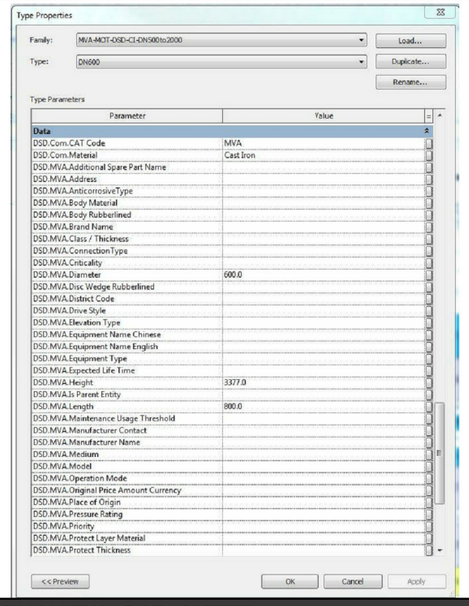




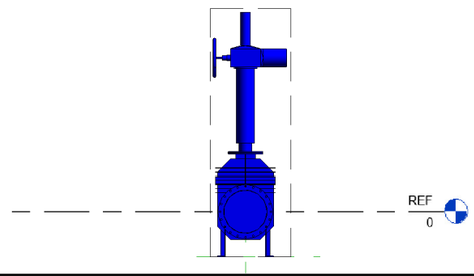
PLAN



3D



FRONT ELEVATION / SECTION

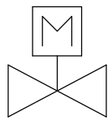


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA_MOT / DI_MVA_MOT



2D SYMBOL

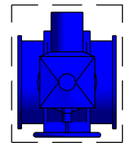
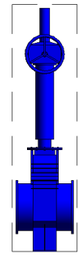
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

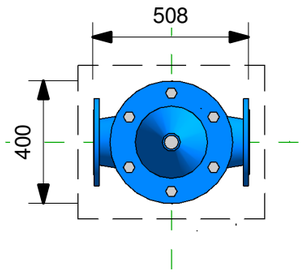
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2017**
	DATE **07-2020**	
	REVISION **0**	

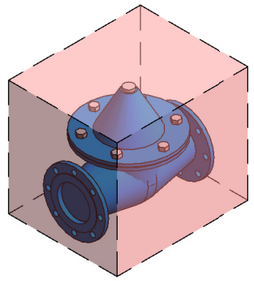
INPUT

Object Name **MVA-PRR-DSD-DI-___**

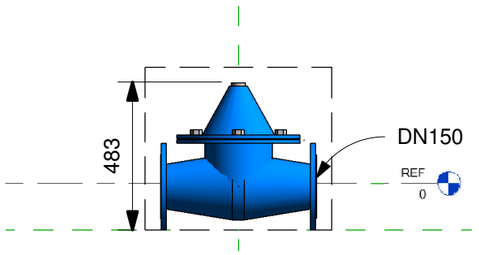
CATEGORY **Pipe Accessories**

LOD-G **300**



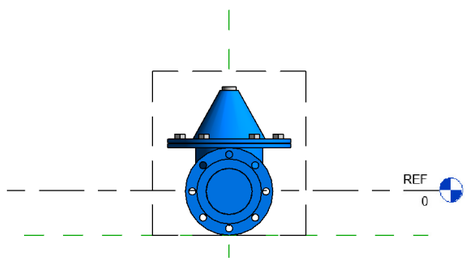


PLAN



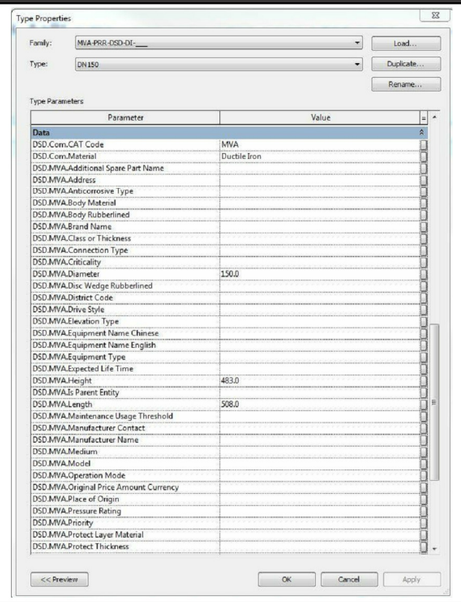
3D

FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER



3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

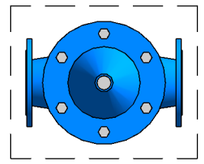
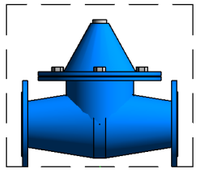
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

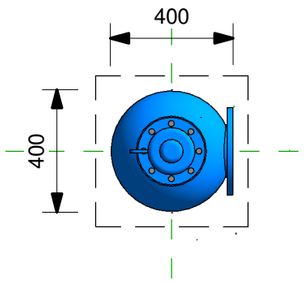
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2018**
	DATE **07-2020**	
	REVISION **0**	

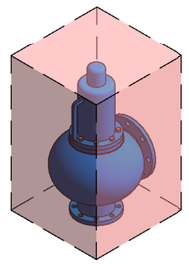
INPUT

Object Name **MVA-PRE-DSD-ST-___**

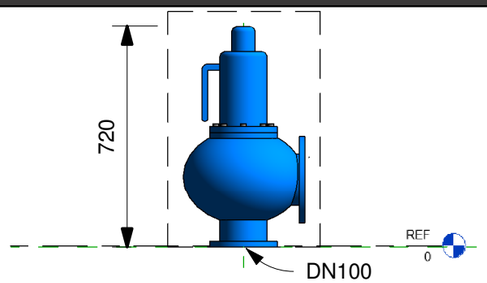
CATEGORY **Pipe Accessories**

LOD-G **300**

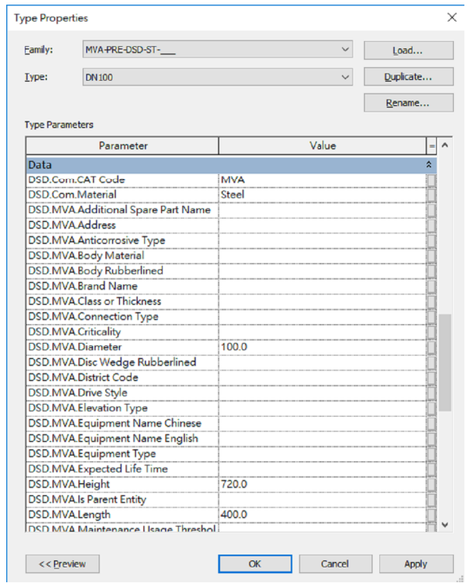




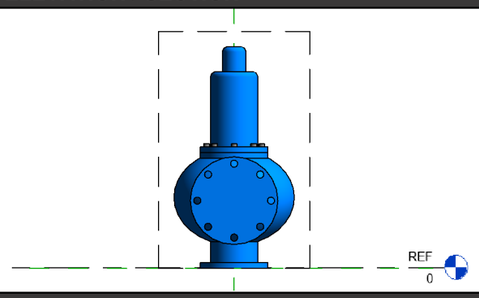
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MVA_PRE / DI_MVA_PRE

2D SYMBOL

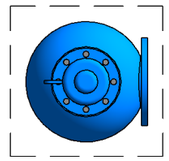
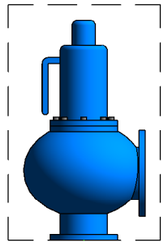
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Valve Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MVA	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

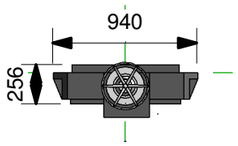
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2019**
	DATE **07-2020**	
	REVISION **0**	

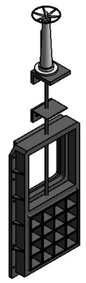
INPUT

Object Name **MPE-HOD-DSD-CI-___**

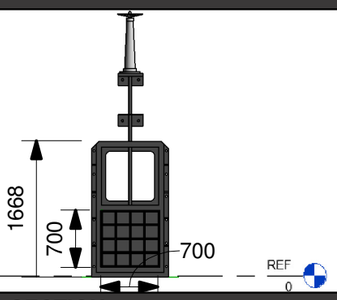
CATEGORY **Mechanical Equipment**

LOD-G **300**

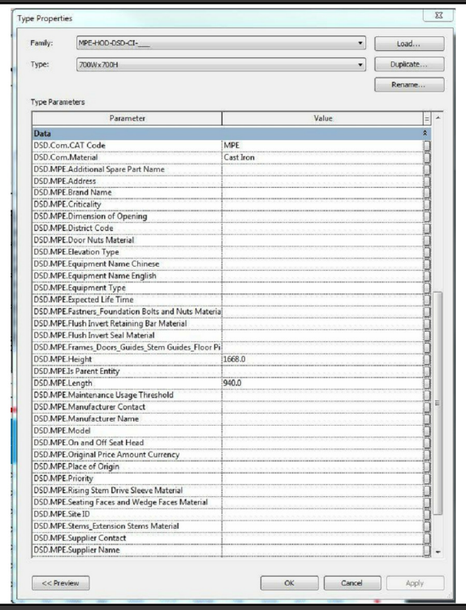




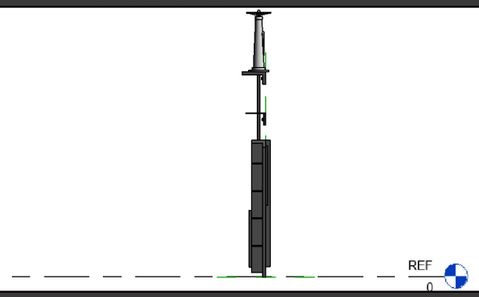
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

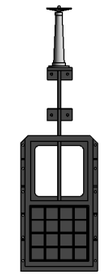
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Penstock Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPE	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

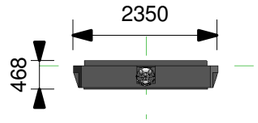
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2020**
	DATE **05-2020**	
	REVISION **0**	

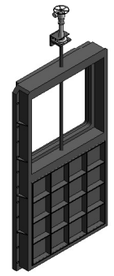
INPUT

Object Name **MPE-MOT-DSD-CI-___**

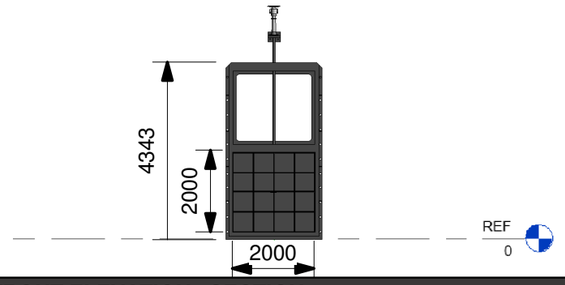
CATEGORY **Mechanical Equipment**

LOD-G **300**

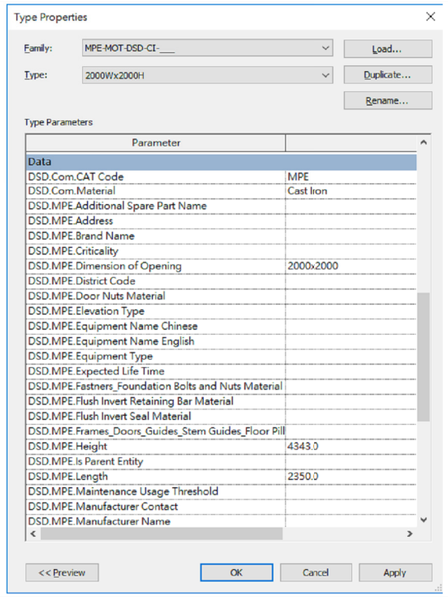




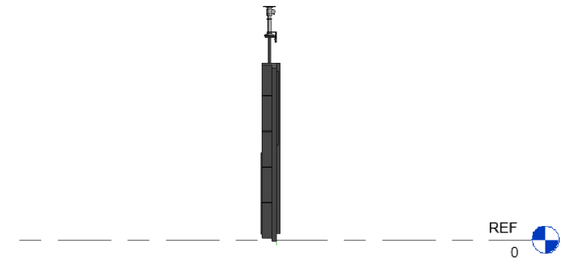
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Penstock Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPE	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

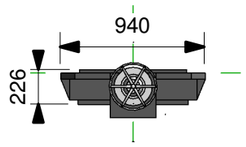
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2021**
	DATE **07-2020**	
	REVISION **0**	

INPUT

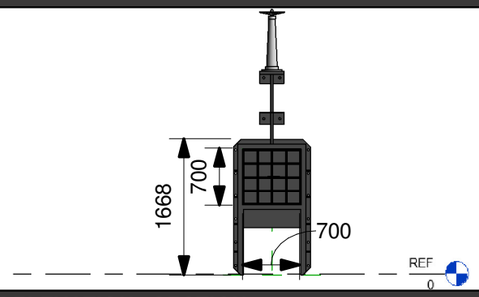
Object Name **MPE-WEI-DSD-CI-___**

CATEGORY **Mechanical Equipment**

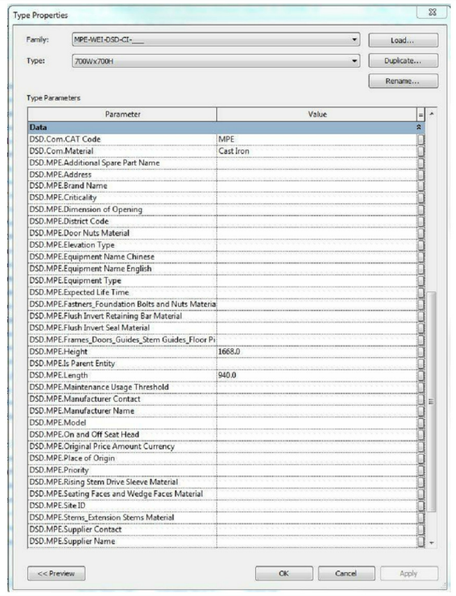
LOD-G **300**



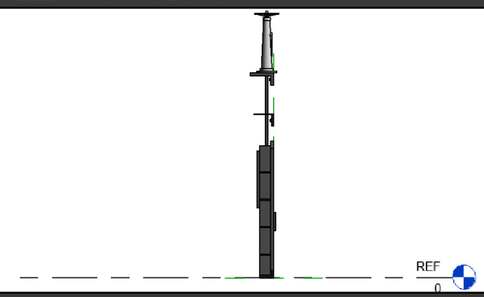
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

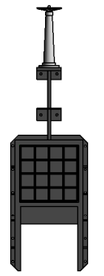
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Penstock Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPE	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

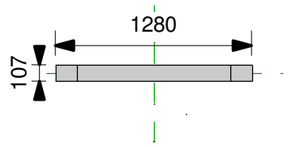
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2022**
	DATE **07-2020**	
	REVISION **0**	

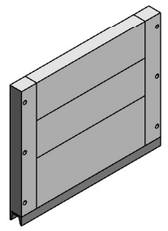
INPUT

Object Name **MSL-___-DSD-CI-___**

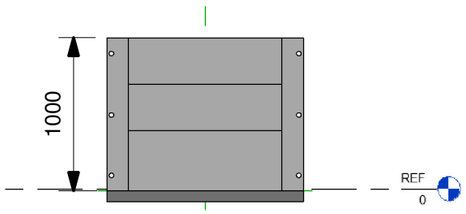
CATEGORY **Mechanical Equipment**

LOD-G **300**

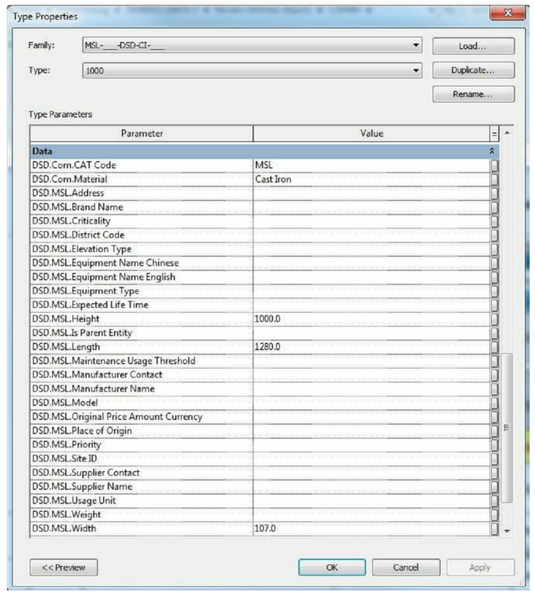




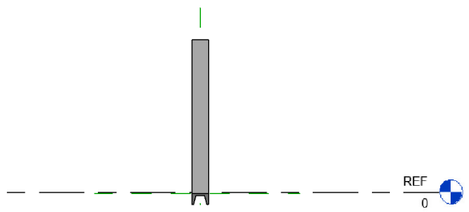
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

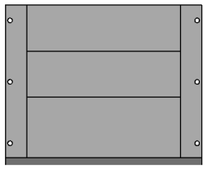
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stoplog Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MSL	01/04/2019	01/04/2019	Cast Iron

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BIM OBJECT SHEET

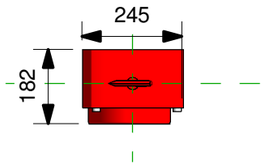
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2023**
	DATE **07-2020**	
	REVISION **0**	

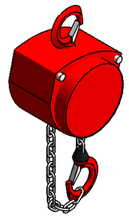
INPUT

Object Name **MLA-CHT-DSD-SS-___**

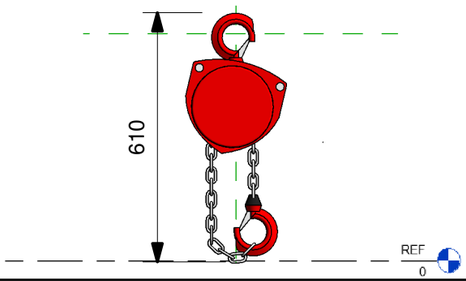
CATEGORY **Mechanical Equipment**

LOD-G **300**

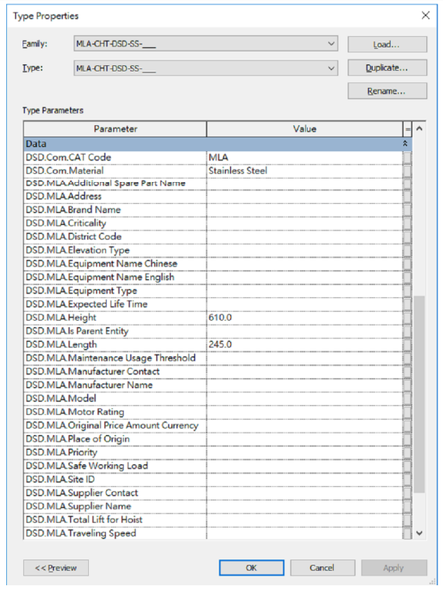




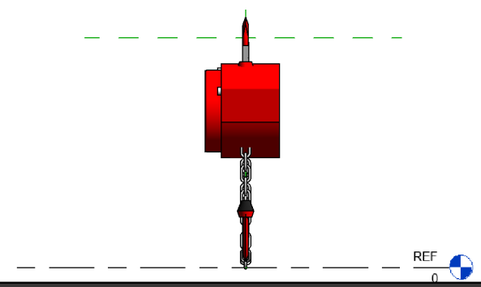
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

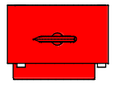
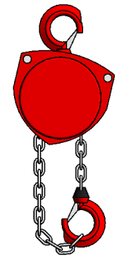
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lifting Appliance Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MLA	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

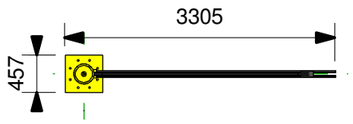
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2024**
	DATE **07-2020**	
	REVISION **0**	

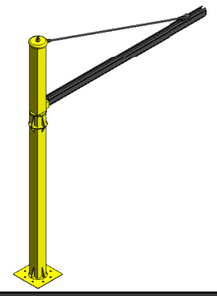
INPUT

Object Name **MLA-DAV-DSD-GS-___**

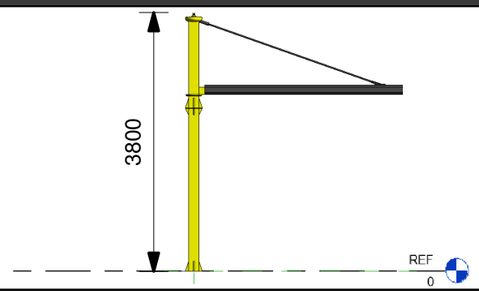
CATEGORY **Mechanical Equipment**

LOD-G **300**

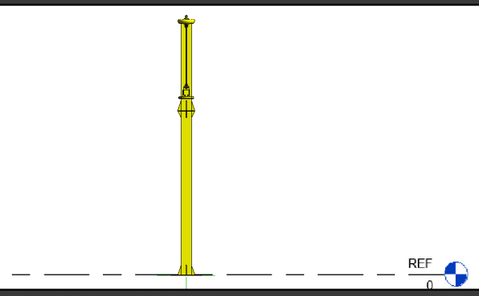




PLAN

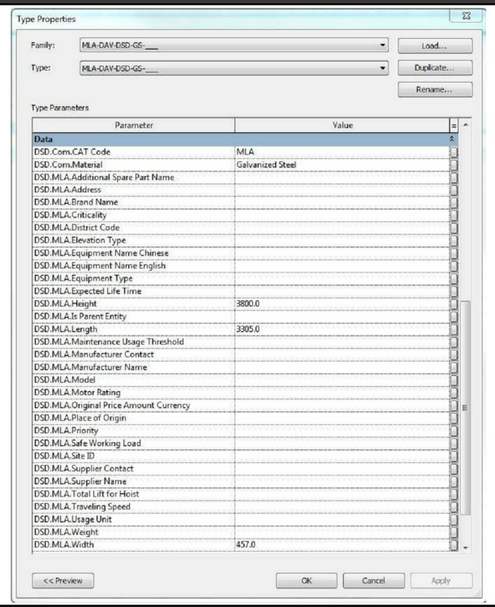


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

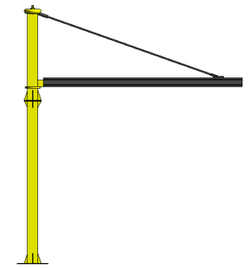
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lifting Appliance Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MLA	01/04/2019	01/04/2019	Galvanized Steel

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BIM OBJECT SHEET

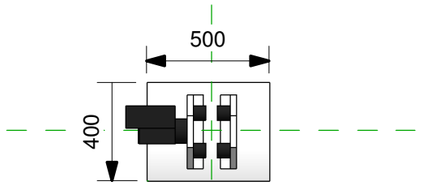
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2025**
	DATE **05-2020**	
	REVISION **0**	

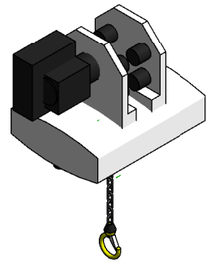
INPUT

Object Name **MLA-ECH-DSD-SS-___**

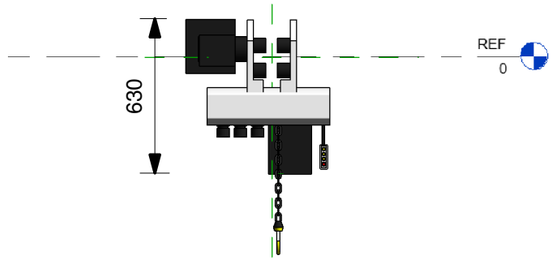
CATEGORY **Mechanical Equipment**

LOD-G **300**

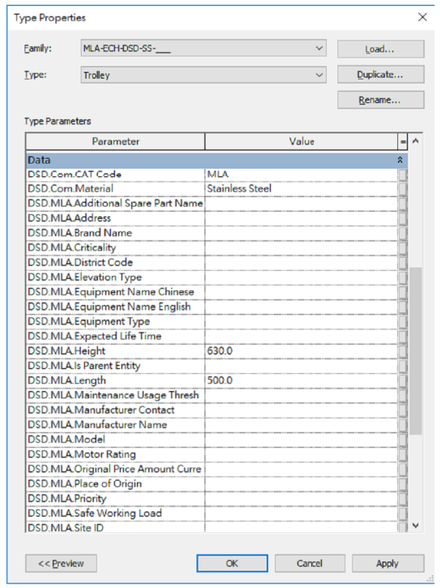




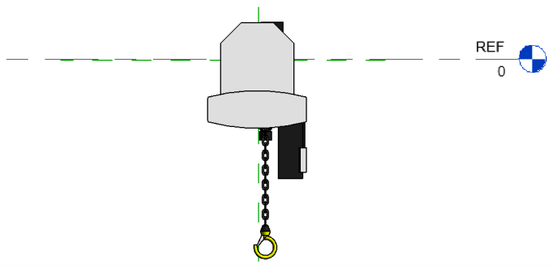
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

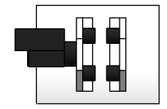
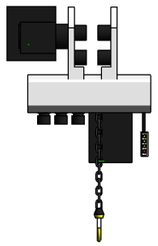
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lifting Appliance Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MLA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

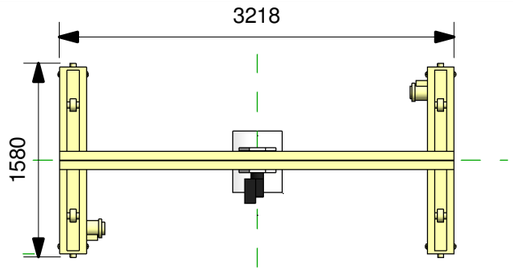
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2026**
	DATE **07-2020**	
	REVISION **0**	

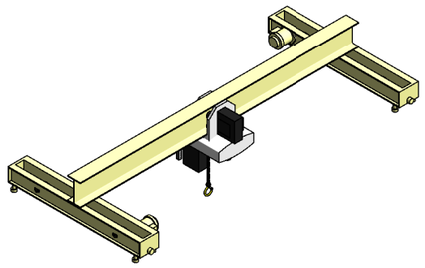
INPUT

Object Name **MLA-OTC-DSD-ST-___**

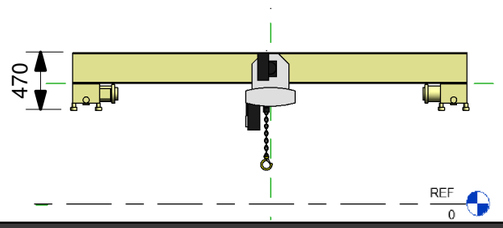
CATEGORY **Mechanical Equipment**

LOD-G **300**

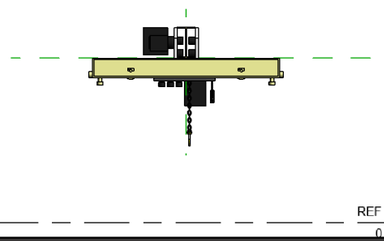




PLAN

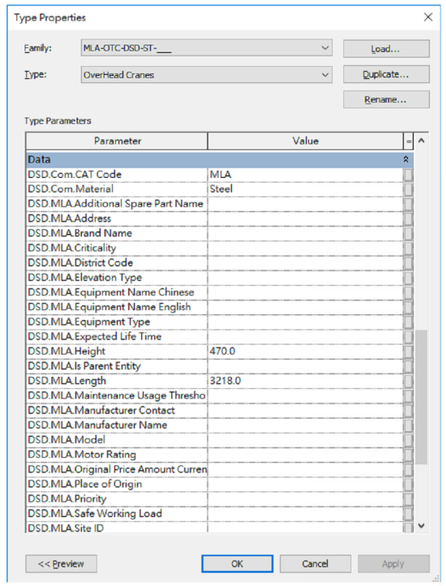


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

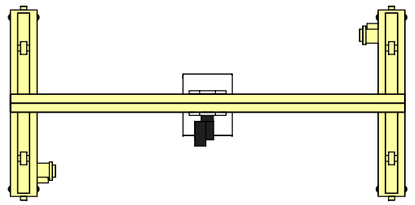
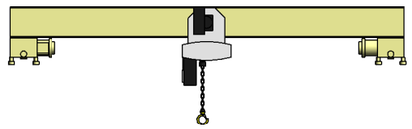
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lifting Appliance Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MLA	01/04/2019	01/4/2019	Steel

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BIM OBJECT SHEET

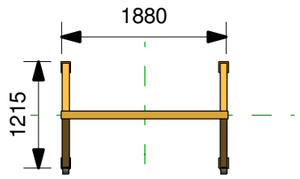
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2027**
	DATE **07-2020**	
	REVISION **0**	

INPUT

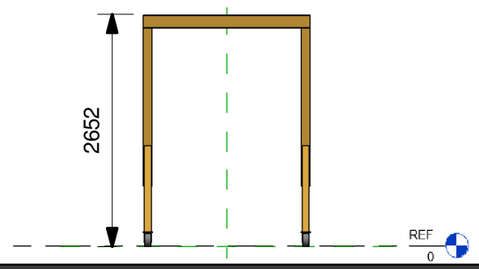
Object Name **MLA-GAN-DSD-GS-___**

CATEGORY **Mechanical Equipment**

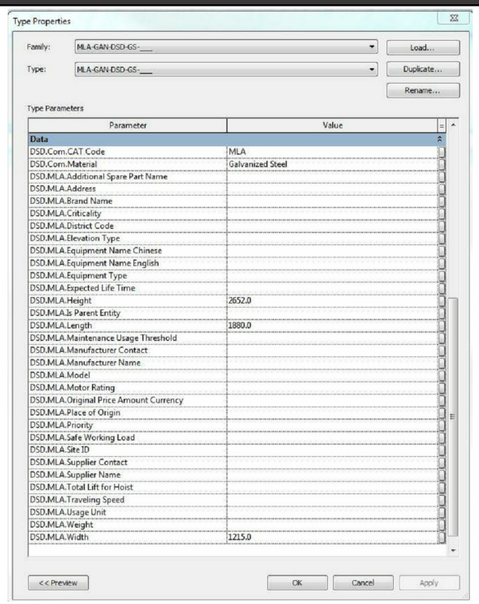
LOD-G **300**



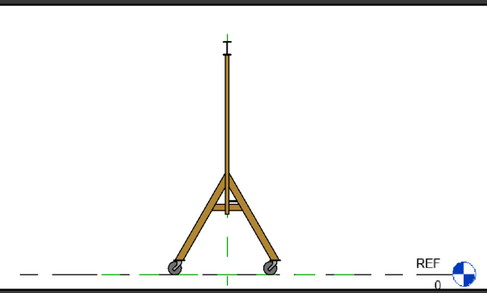
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

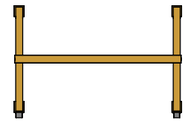
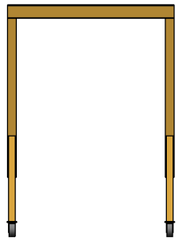
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lifting Appliance Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MLA	01/04/2019	01/04/2019	Galvanized Steel

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Drainage Services Department

BIM OBJECT SHEET

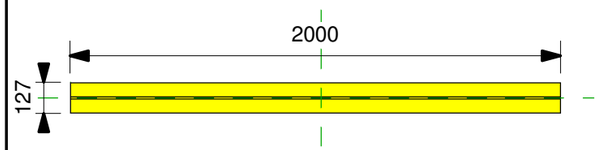
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER
	DATE **05-2020**	**DSD-OS-2028**
	REVISION **0**	

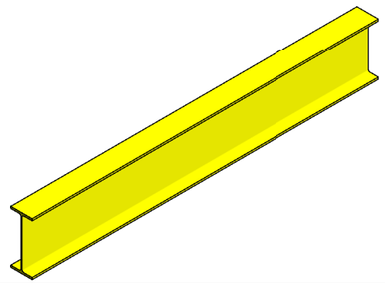
INPUT

Object Name **MUI-___-DSD-GS-___**

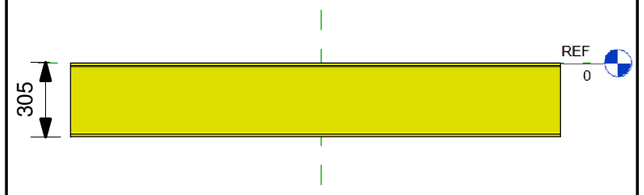
CATEGORY **Structural Framing**

LOD-G **300**

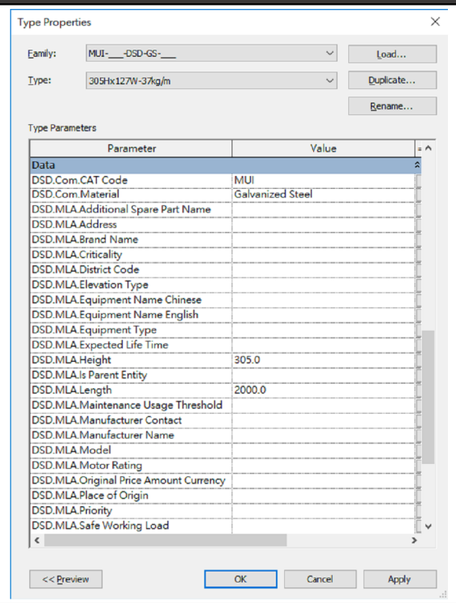




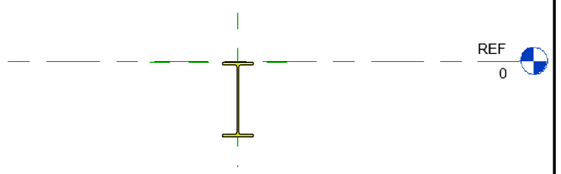
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Universal I-Beam Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MUI	01/04/2019	01/04/2019	Galvanized Steel

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Drainage Services Department

BIM OBJECT SHEET

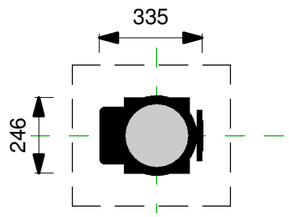
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2029**
	DATE **07-2020**	
	REVISION **0**	

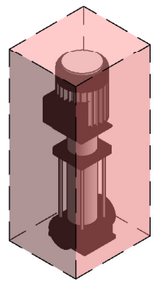
INPUT

Object Name **MPU-CEN-DSD-CI-Vertical**

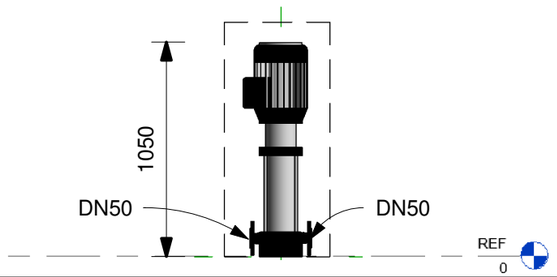
CATEGORY **Mechanical Equipment**

LOD-G **300**

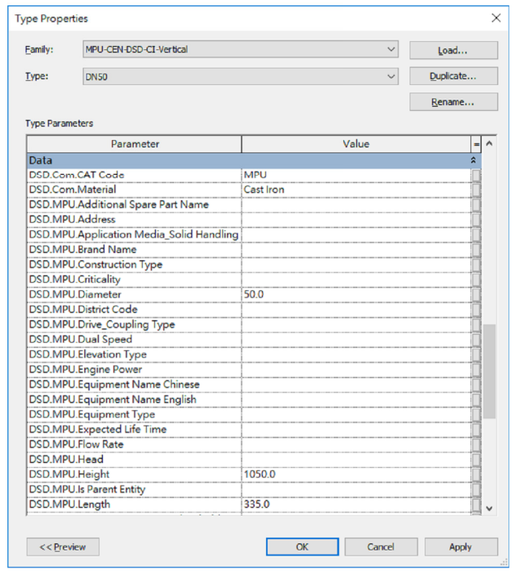




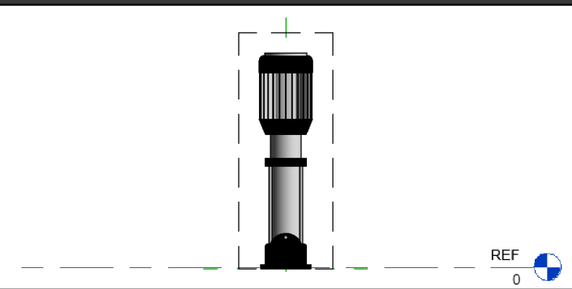
PLAN



3D



FRONT ELEVATION / SECTION

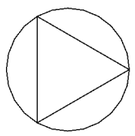


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

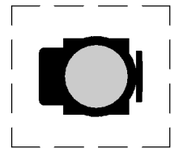
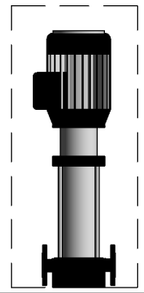
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

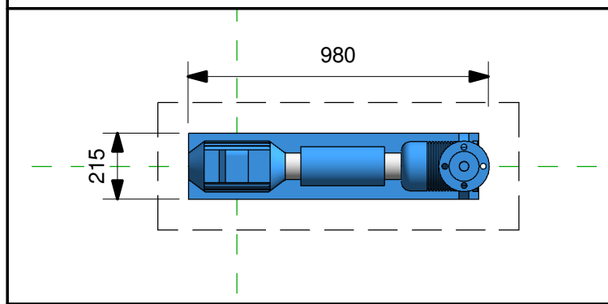
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2030**
	DATE **05-2020**	
	REVISION **0**	

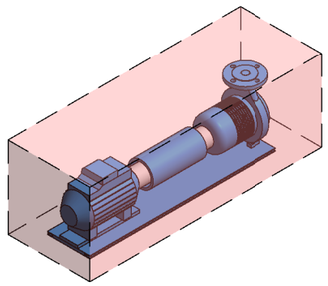
INPUT

Object Name **MPU-CEN-DSD-CI-Horizontal**

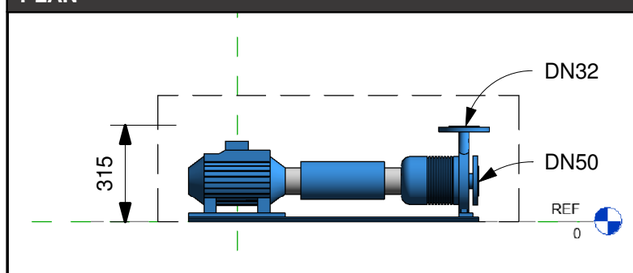
CATEGORY **Mechanical Equipment**

LOD-G **300**

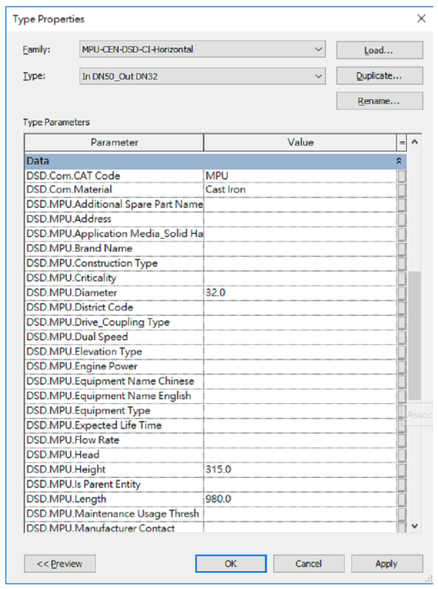




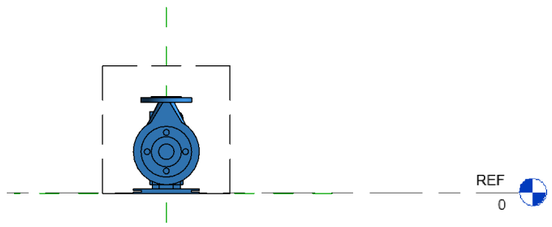
PLAN



3D



FRONT ELEVATION / SECTION

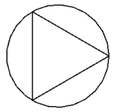


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

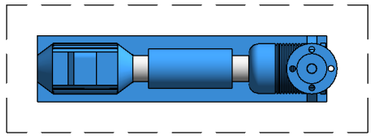
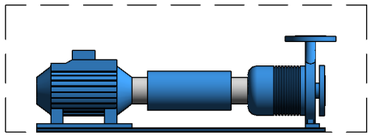
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

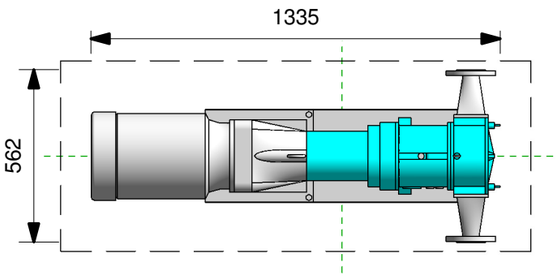
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2031**
	DATE **07-2020**	
	REVISION **0**	

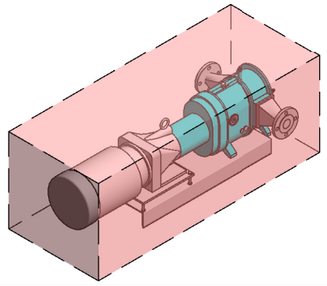
INPUT

Object Name **MPU-LOB-DSD-CI-___**

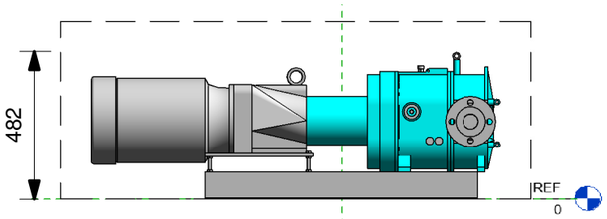
CATEGORY **Mechanical Equipment**

LOD-G **300**

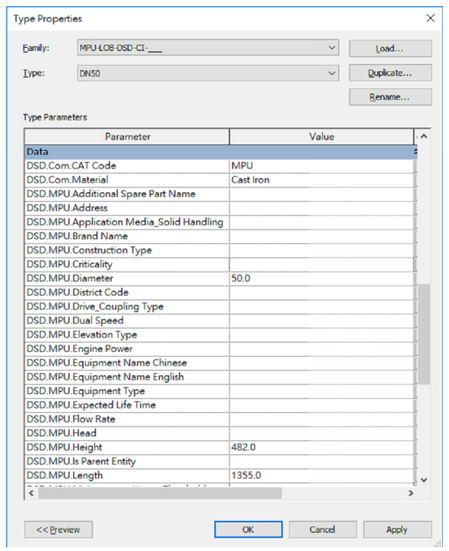




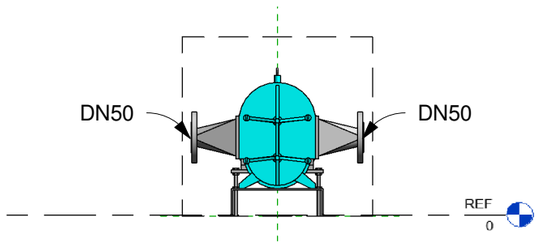
PLAN



3D



FRONT ELEVATION / SECTION

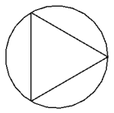


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

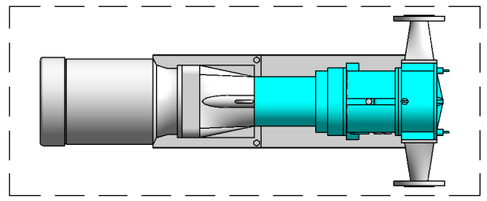
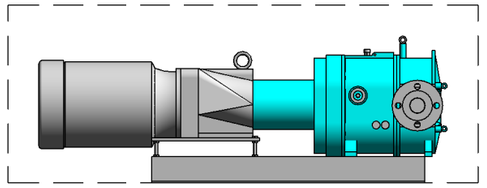
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

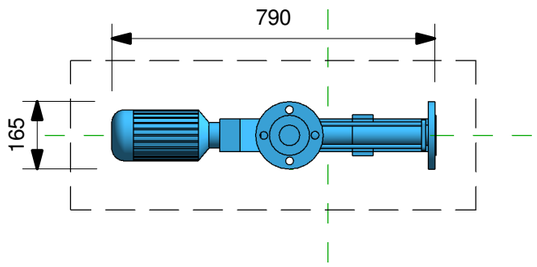
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2032**
	DATE **05-2020**	
	REVISION **0**	

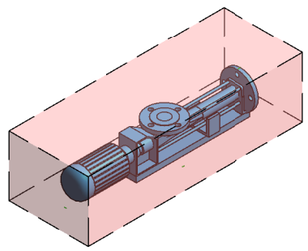
INPUT

Object Name **MPU-PRC-DSD-CI-___**

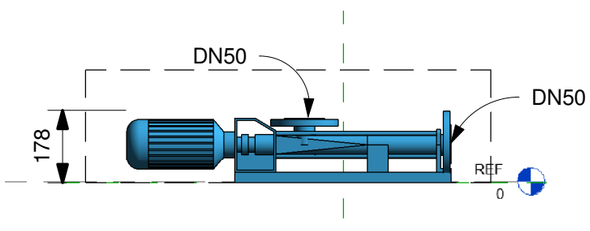
CATEGORY **Mechanical Equipment**

LOD-G **300**

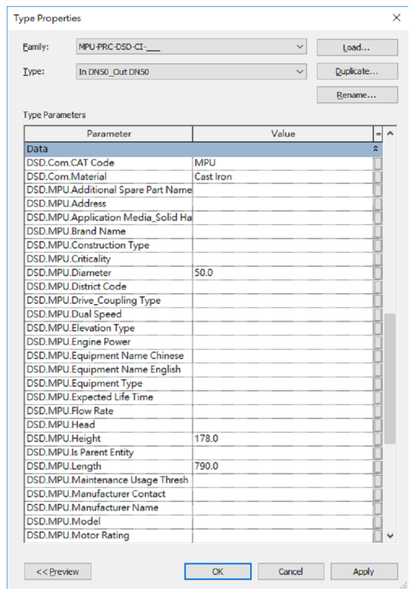




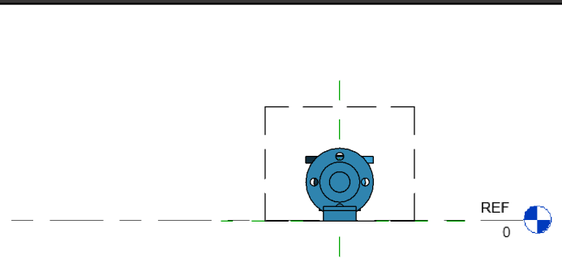
PLAN



3D



FRONT ELEVATION / SECTION

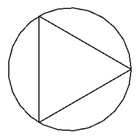


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

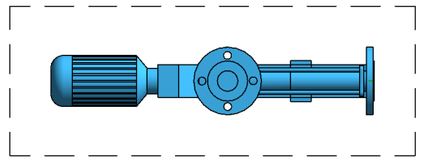
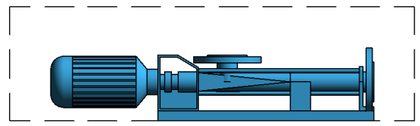
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

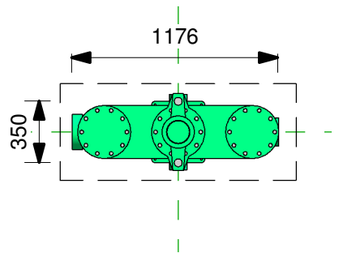
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2033**
	DATE **07-2020**	
	REVISION **0**	

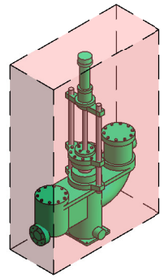
INPUT

Object Name **MPU-RAM-DSD-CI-___**

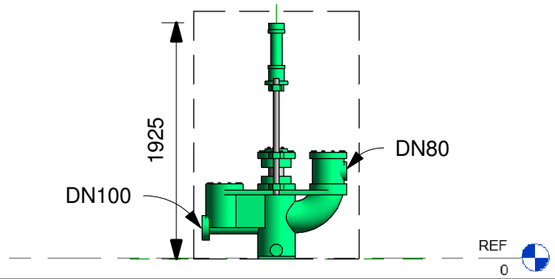
CATEGORY **Mechanical Equipment**

LOD-G **300**

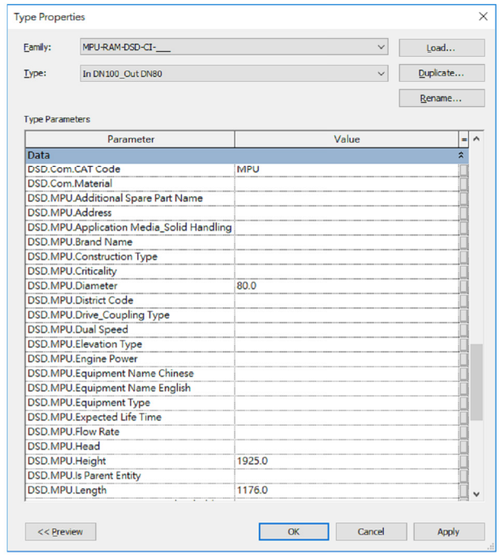




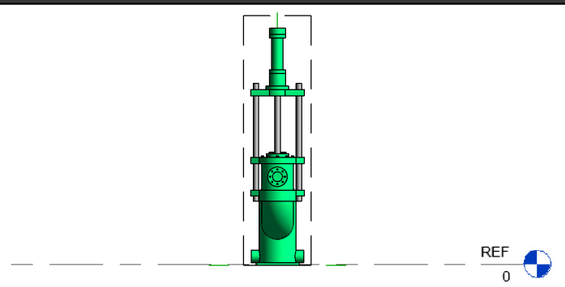
PLAN



3D



FRONT ELEVATION / SECTION

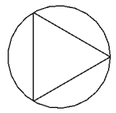


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

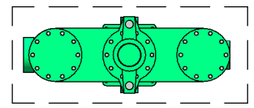
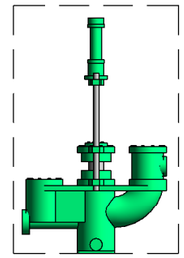
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

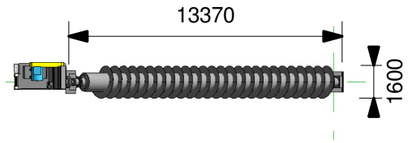
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2034**
	DATE **07-2020**	
	REVISION **0**	

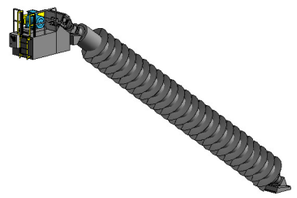
INPUT

Object Name **MPU-SCR-DSD-CI-___**

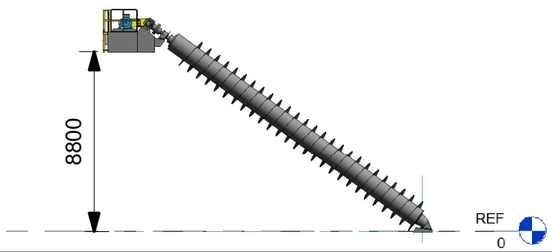
CATEGORY **Mechanical Equipment**

LOD-G **300**

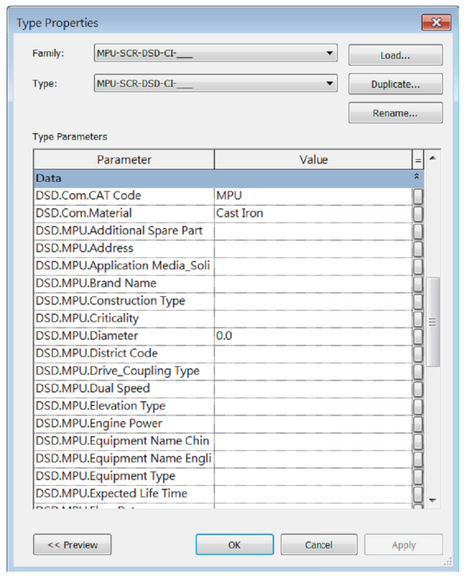




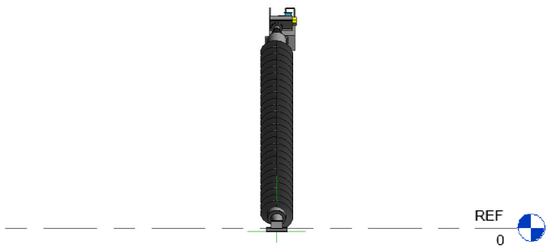
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

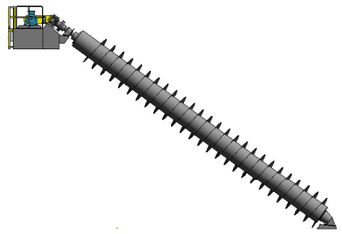
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

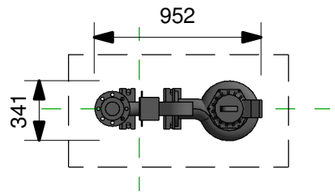
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2035**
	DATE **07-2020**	
	REVISION **0**	

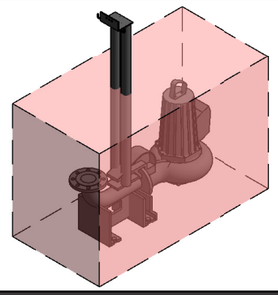
INPUT

Object Name **MPU-SEW-DSD-CI-Wet_DN80**

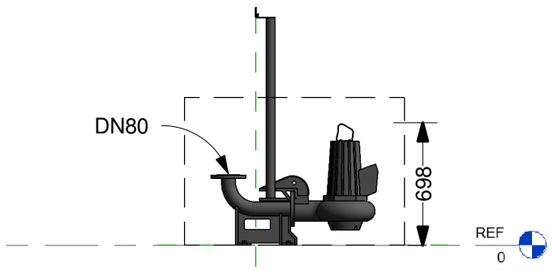
CATEGORY **Mechanical Equipment**

LOD-G **300**

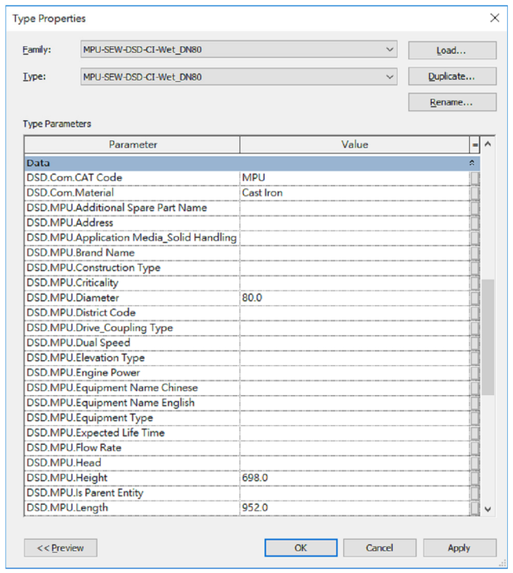




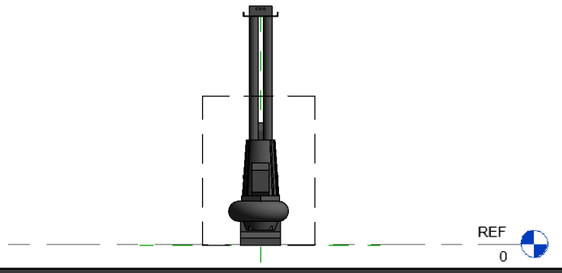
PLAN



3D



FRONT ELEVATION / SECTION

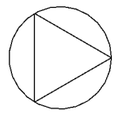


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

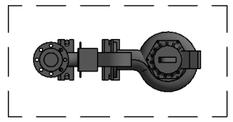
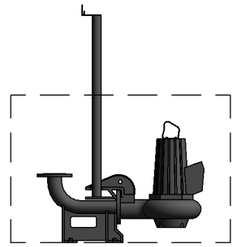
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

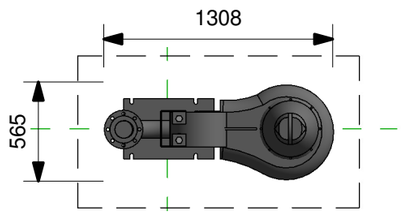
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2036**
	DATE **07-2020**	
	REVISION **0**	

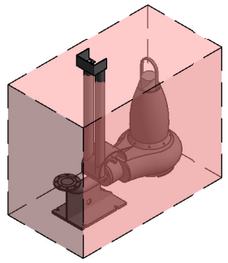
INPUT

Object Name **MPU-SEW-DSD-CI-Wet_DN100**

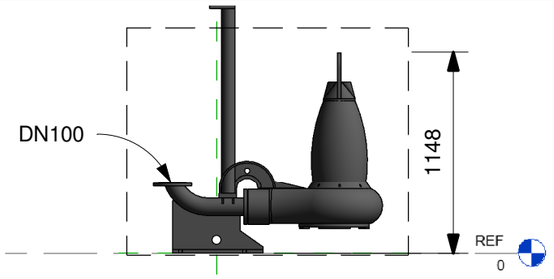
CATEGORY **Mechanical Equipment**

LOD-G **300**

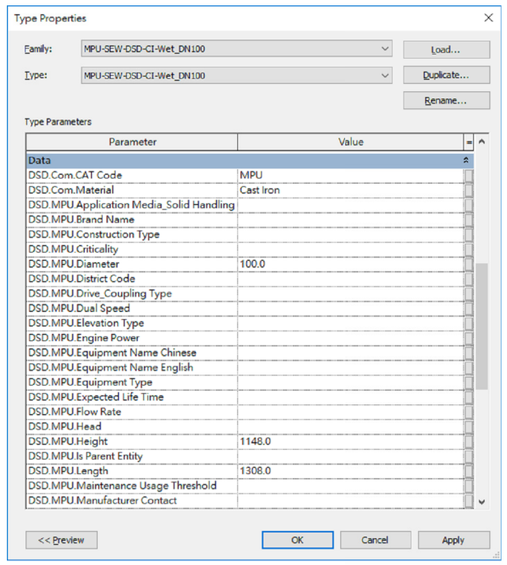




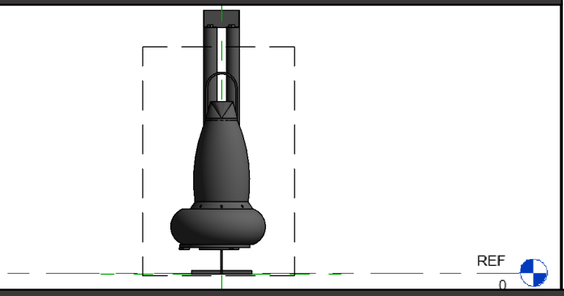
PLAN



3D



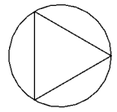
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION | **FAMILY VIEW : PARAMETER**

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

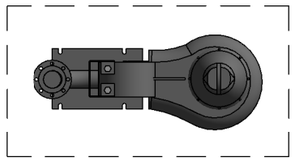
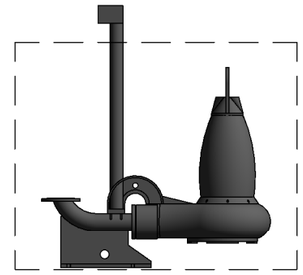
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

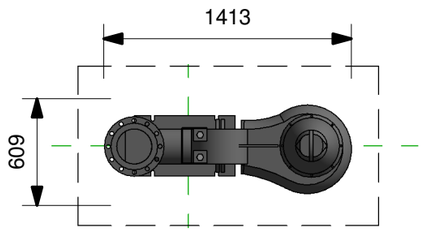
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2037**
	DATE **07-2020**	
	REVISION **0**	

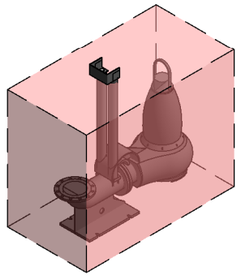
INPUT

Object Name **MPU-SEW-DSD-CI-Wet_DN200**

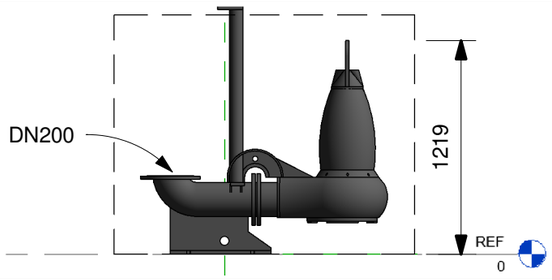
CATEGORY **Mechanical Equipment**

LOD-G **300**

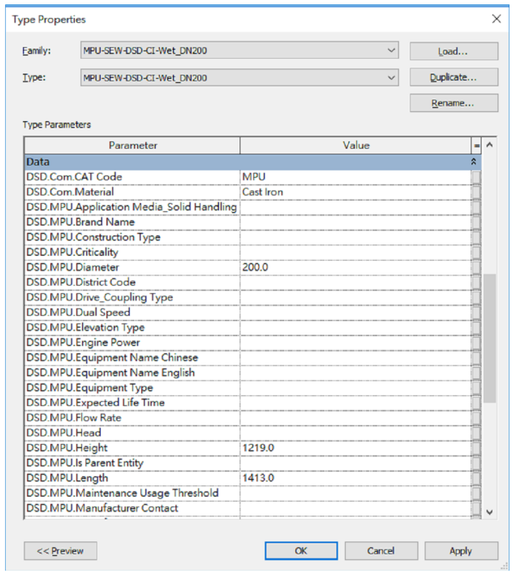




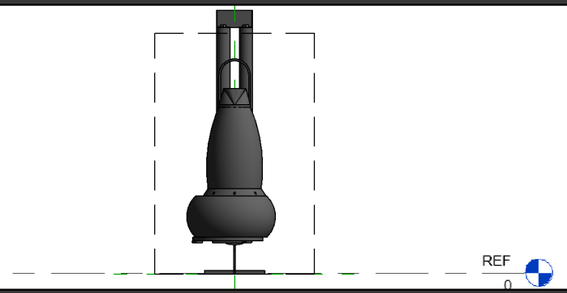
PLAN



3D



FRONT ELEVATION / SECTION

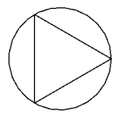


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

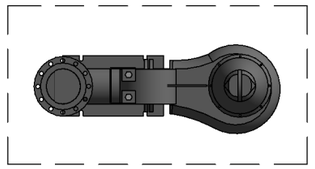
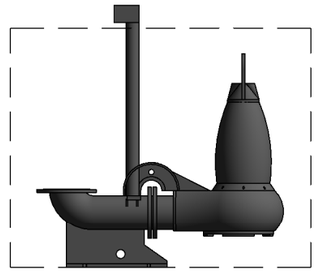
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

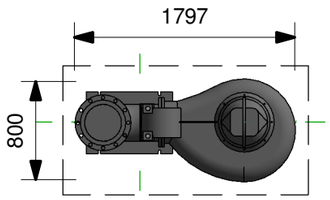
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2038**
	DATE **05-2020**	
	REVISION **0**	

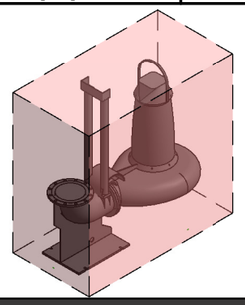
INPUT

Object Name **MPU-SEW-DSD-CI-Wet_DN300**

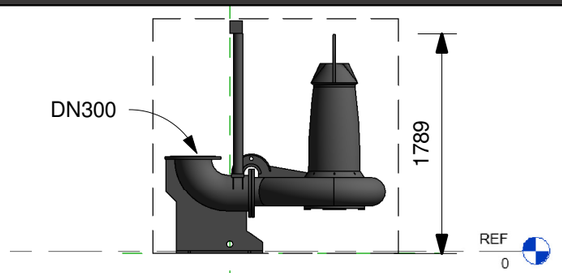
CATEGORY **Mechanical Equipment**

LOD-G **300**

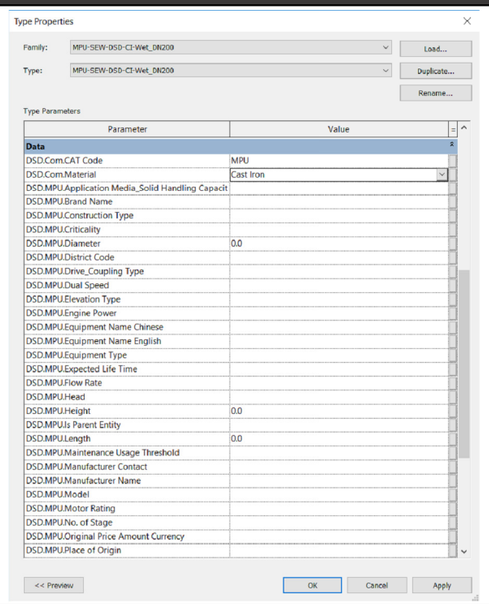




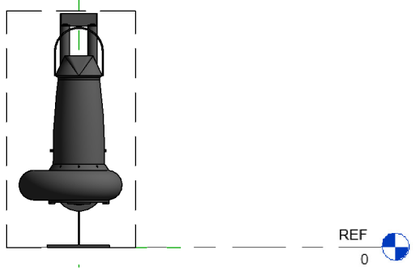
PLAN



3D



FRONT ELEVATION / SECTION

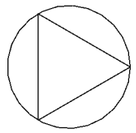


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

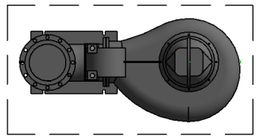
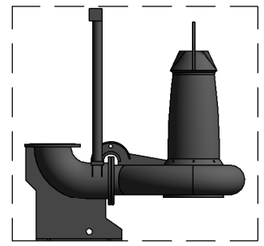
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

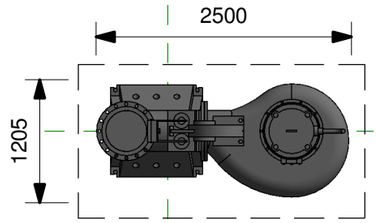
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2039**
	DATE **07-2020**	
	REVISION **0**	

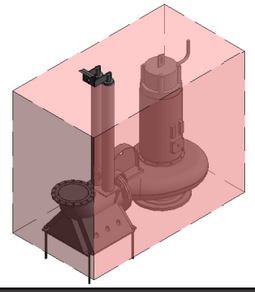
INPUT

Object Name **MPU-SEW-DSD-CI-Wet_DN400**

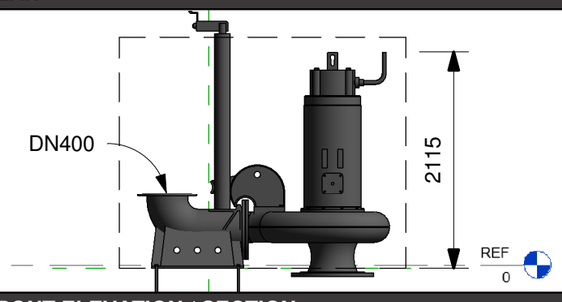
CATEGORY **Mechanical Equipment**

LOD-G **300**

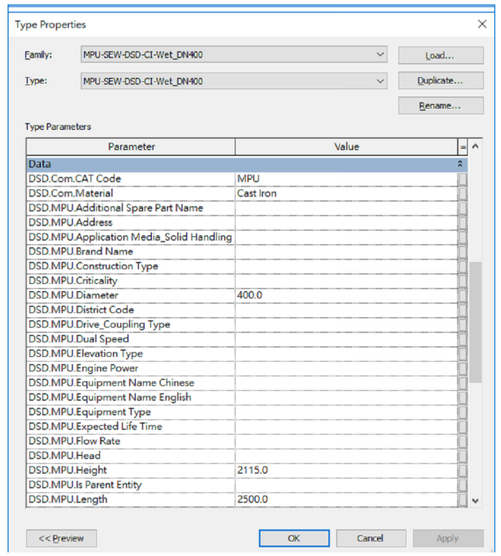




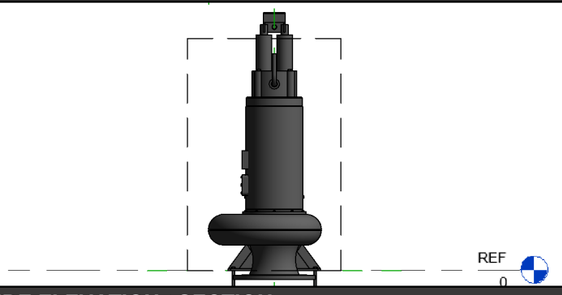
PLAN



3D



FRONT ELEVATION / SECTION

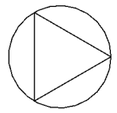


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

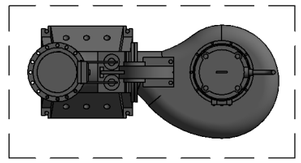
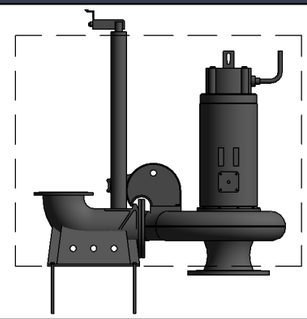
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

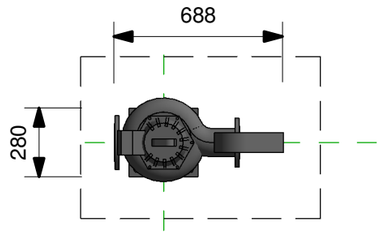
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2040**
	DATE **07-2020**	
	REVISION **0**	

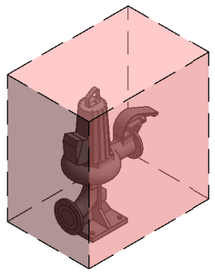
INPUT

Object Name **MPU-SEW-DSD-CI-Dry_DN80**

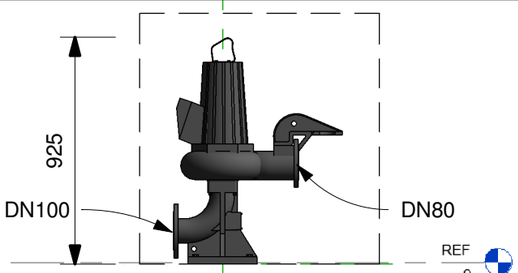
CATEGORY **Mechanical Equipment**

LOD-G **300**

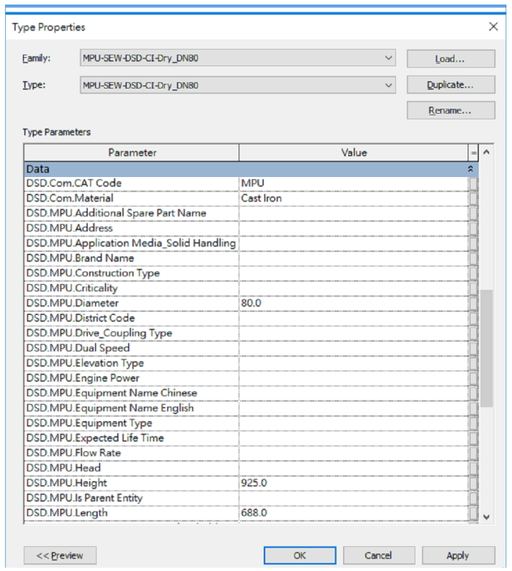




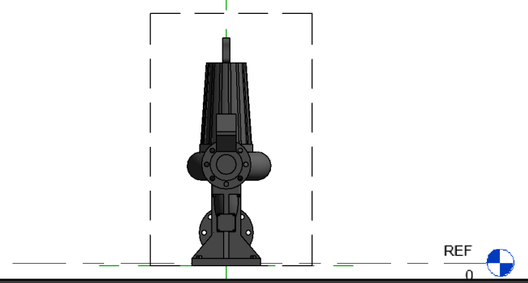
PLAN



3D



FRONT ELEVATION / SECTION

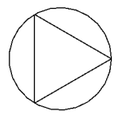


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

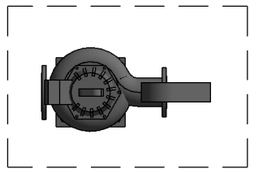
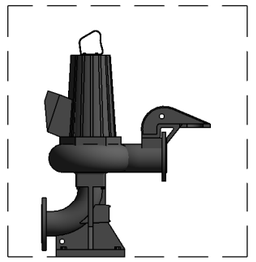
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

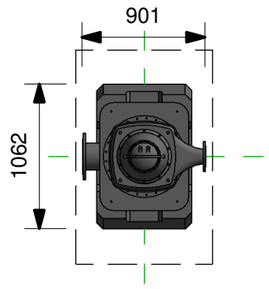
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2041**
	DATE **07-2020**	
	REVISION **0**	

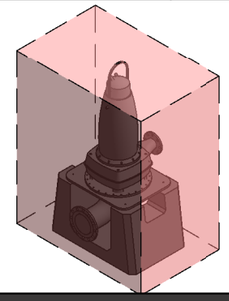
INPUT

Object Name **MPU-SEW-DSD-CI-Dry_DN100**

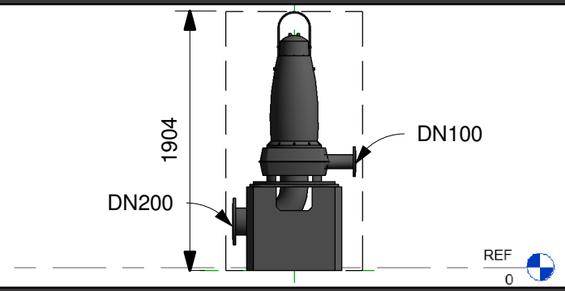
CATEGORY **Mechanical Equipment**

LOD-G **300**

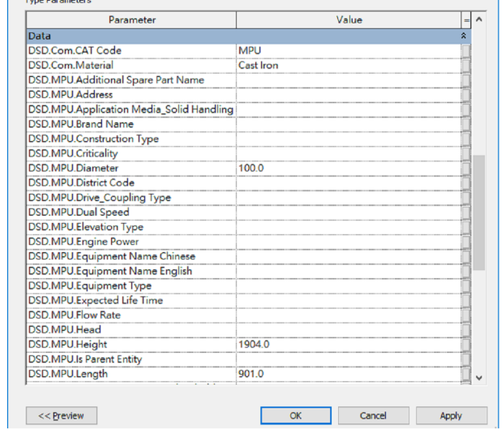




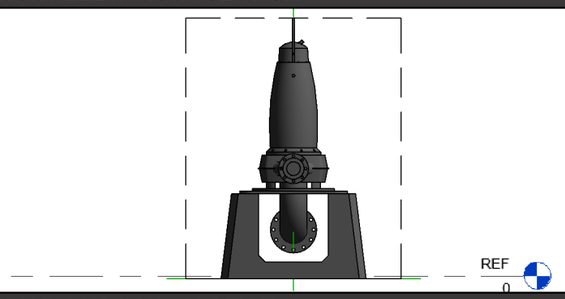
PLAN



3D



FRONT ELEVATION / SECTION

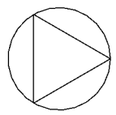


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

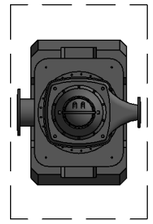
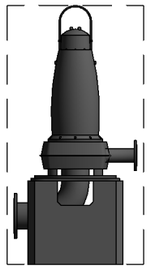
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

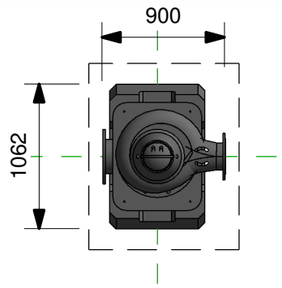
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2042**
	DATE **07-2020**	
	REVISION **0**	

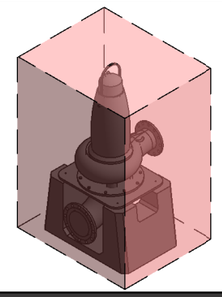
INPUT

Object Name **MPU-SEW-DSD-CI-Dry_DN200**

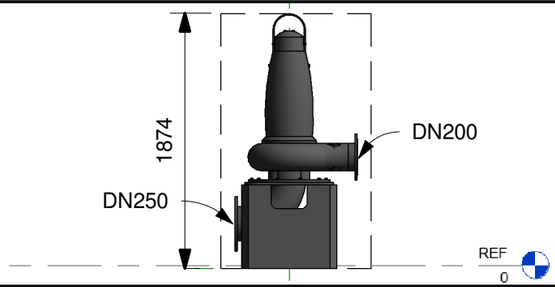
CATEGORY **Mechanical Equipment**

LOD-G **300**

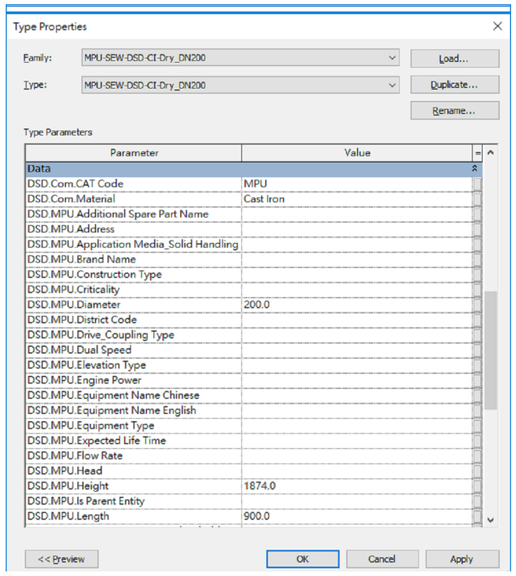




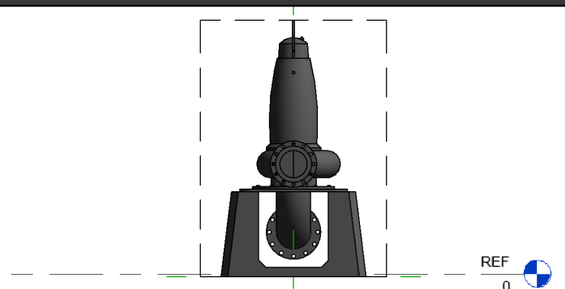
PLAN



3D



FRONT ELEVATION / SECTION

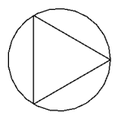


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

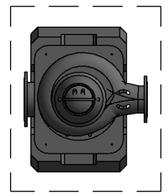
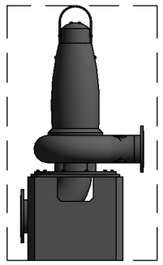
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

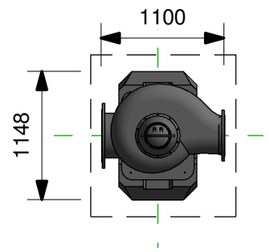
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2043**
	DATE **07-2020**	
	REVISION **0**	

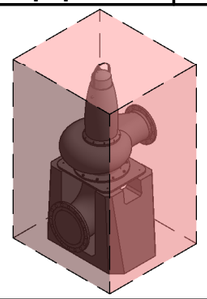
INPUT

Object Name **MPU-SEW-DSD-CI-Dry_DN300**

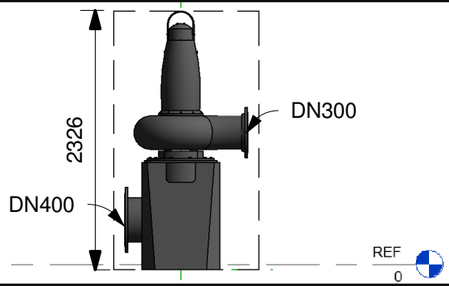
CATEGORY **Mechanical Equipment**

LOD-G **300**

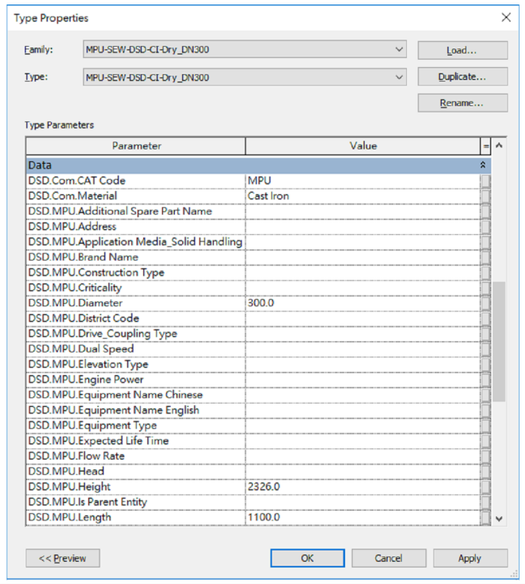




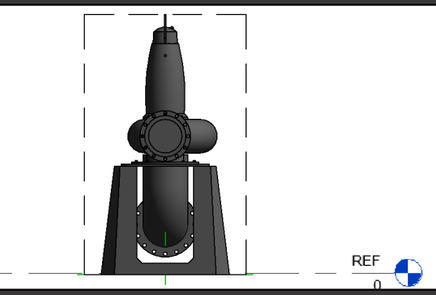
PLAN



3D



FRONT ELEVATION / SECTION



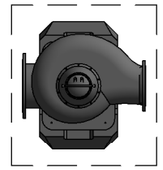
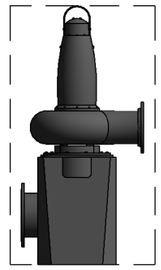
SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

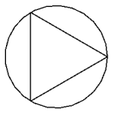
3D GEOMETRY

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

Anno_MPU / DI_MPU



2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

SCHEDULE IN DRAWING

Pump Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

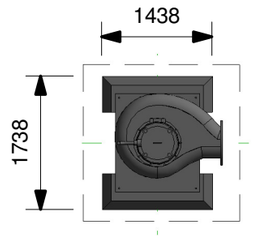
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2044**
	DATE **07-2020**	
	REVISION **0**	

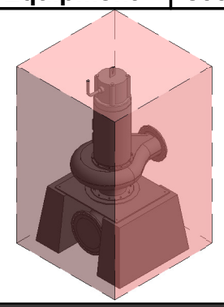
INPUT

Object Name **MPU-SEW-DSD-CI-Dry_DN400**

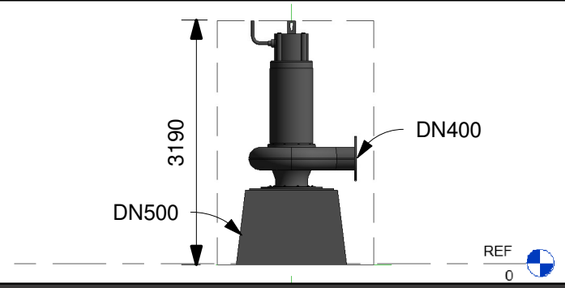
CATEGORY **Mechanical Equipment**

LOD-G **300**

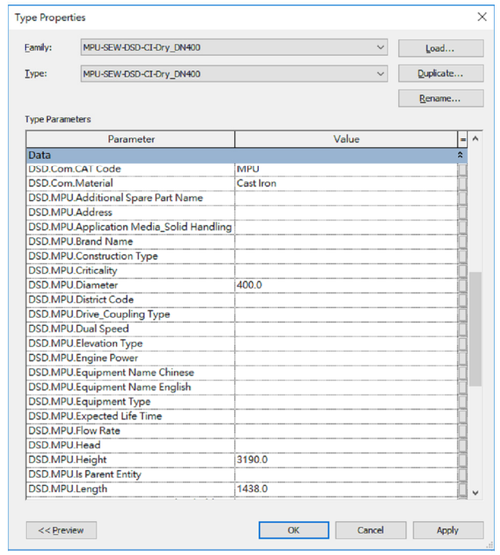




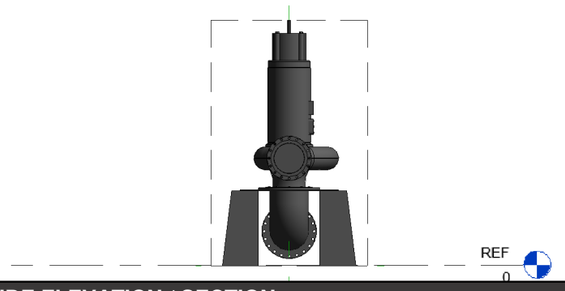
PLAN



3D



FRONT ELEVATION / SECTION

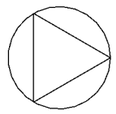


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPU / DI_MPU



2D SYMBOL

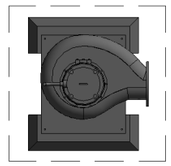
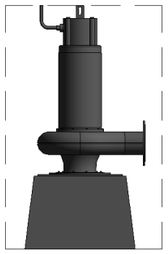
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pump Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPU	01/04/2019	01/04/2019	Cast Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

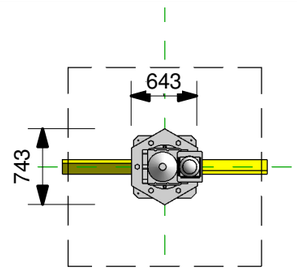
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2045**
	DATE **07-2020**	
	REVISION **0**	

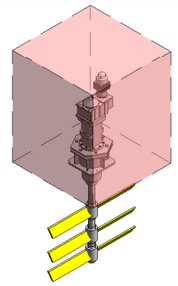
INPUT

Object Name **MMI-BMV-DSD-ST-___**

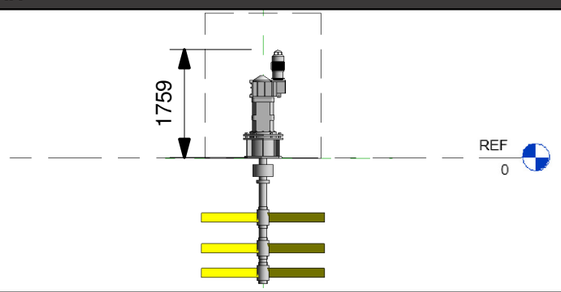
CATEGORY **Mechanical Equipment**

LOD-G **300**

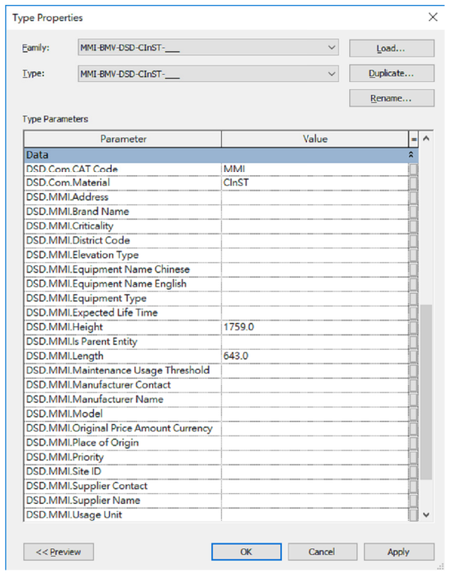




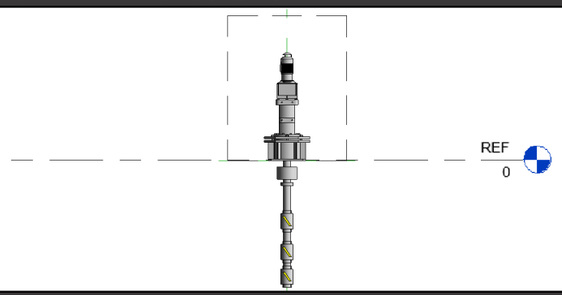
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MMI_BMV / DI_MMI_BMV

2D SYMBOL

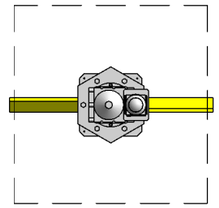
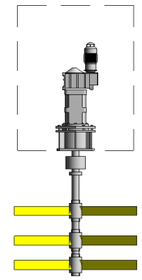
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Mixer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MMI	01/04/2019	01/04/2019	ST

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BIM OBJECT SHEET

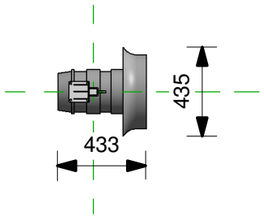
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2046**
	DATE **05-2020**	
	REVISION **0**	

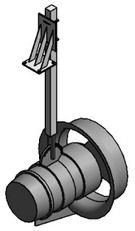
INPUT

Object Name **MMI-SUB-DSD-SS-Floor**

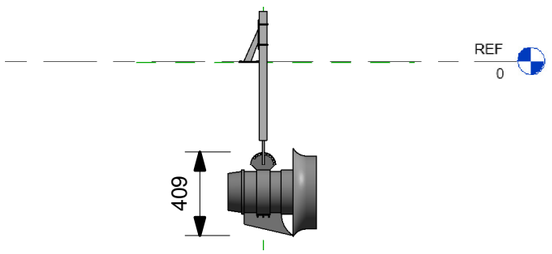
CATEGORY **Mechanical Equipment**

LOD-G **300**

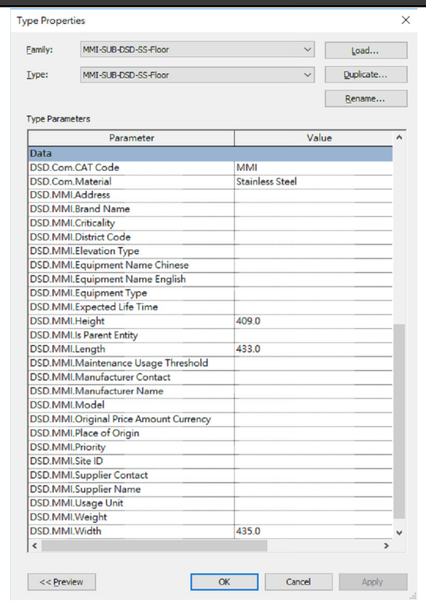




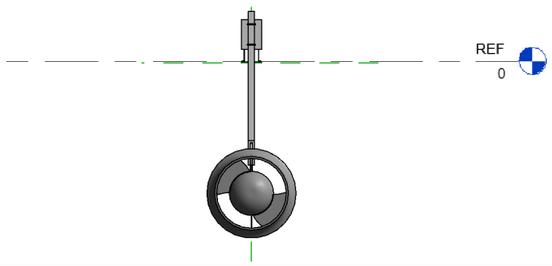
PLAN



3D



FRONT ELEVATION / SECTION

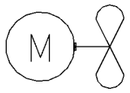


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MMI_SUB / DI_MMI_SUB



2D SYMBOL

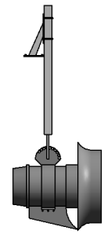
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Mixer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MMI	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

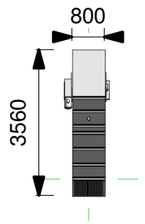
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2047**
	DATE **05-2020**	
	REVISION **0**	

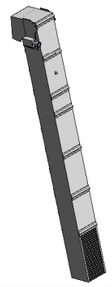
INPUT

Object Name **MSC-MEB-DSD-SS-___**

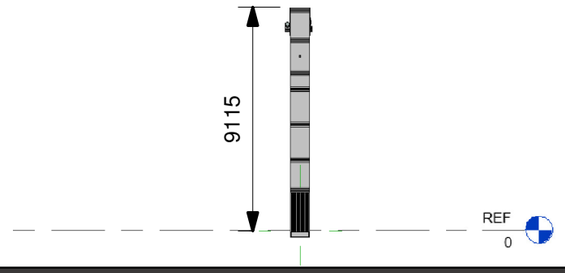
CATEGORY **Mechanical Equipment**

LOD-G **300**

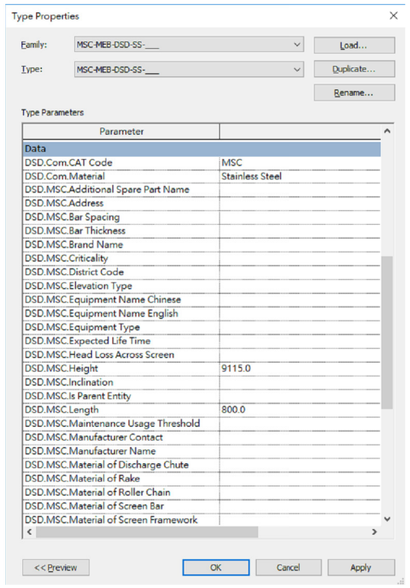




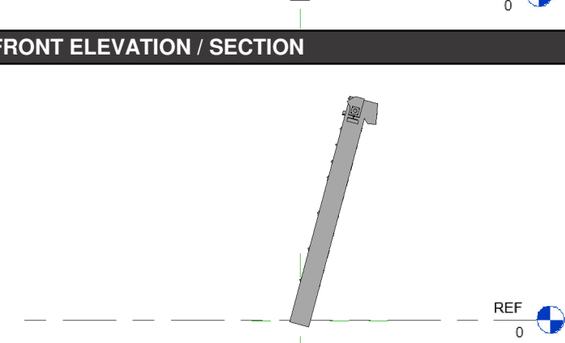
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Screen Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MSC	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

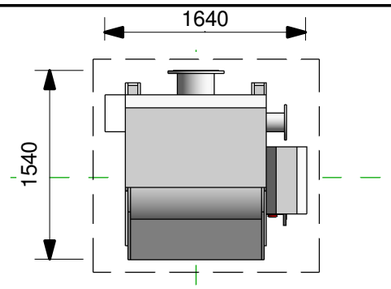
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2048**
	DATE **07-2020**	
	REVISION **0**	

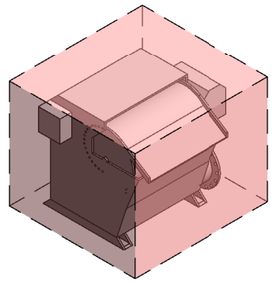
INPUT

Object Name **MSC-ROD-DSD-SS-___**

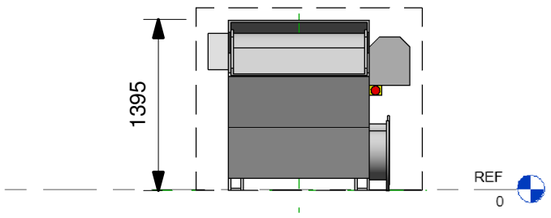
CATEGORY **Mechanical Equipment**

LOD-G **300**

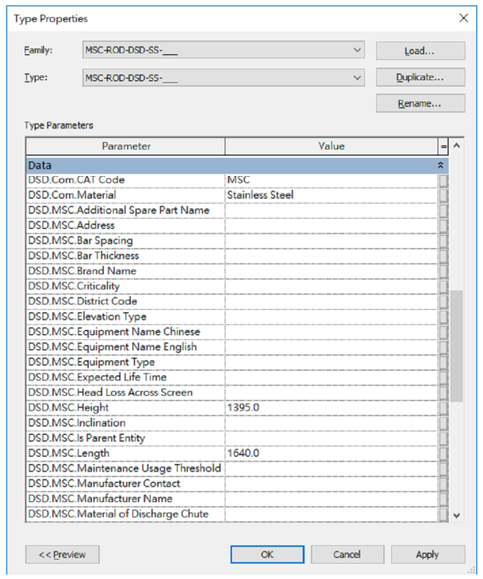




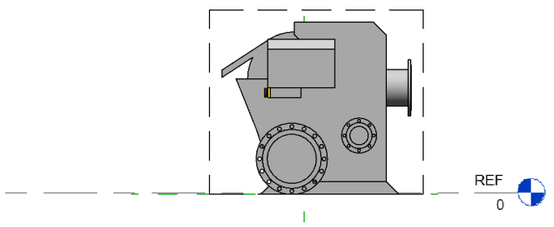
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

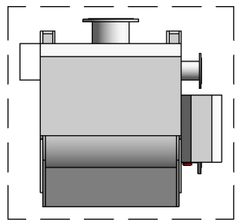
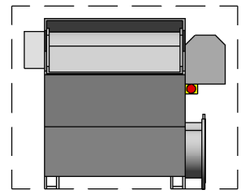
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Screen Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MSC	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

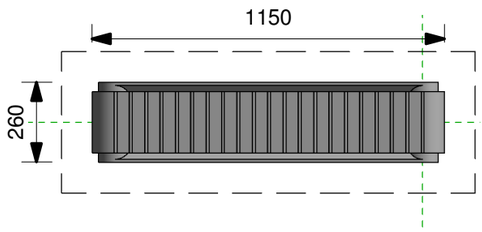
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2049**
	DATE **07-2020**	
	REVISION **0**	

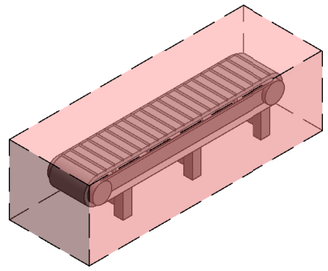
INPUT

Object Name **MCO-BEL-DSD-SS-___**

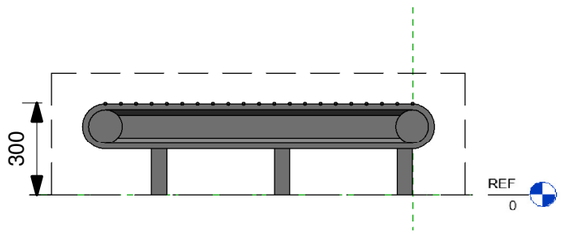
CATEGORY **Mechanical Equipment**

LOD-G **300**

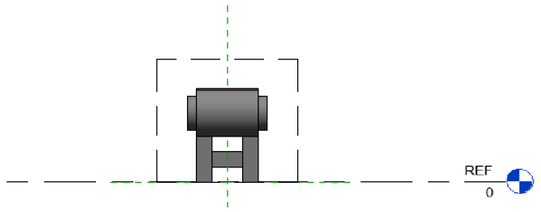




PLAN

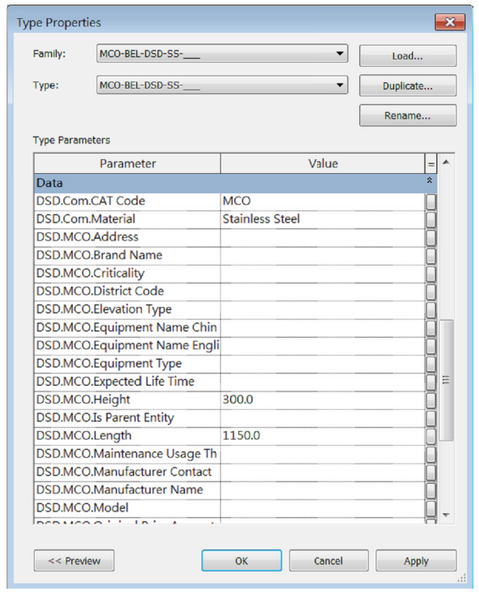


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

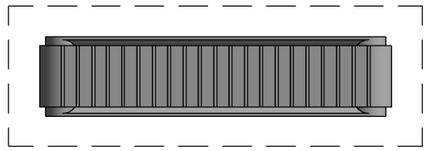
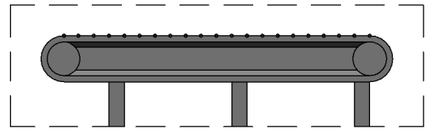
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Conveyor Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MCO	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

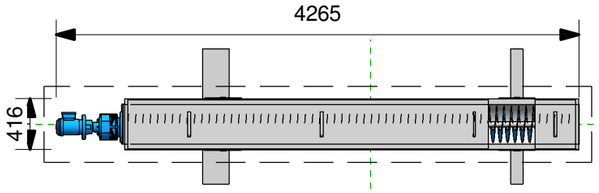
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2050**
	DATE **07-2020**	
	REVISION **0**	

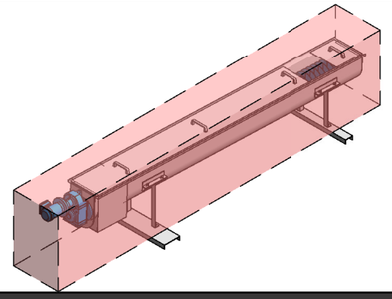
INPUT

Object Name **MCO-SHF-DSD-SS-___**

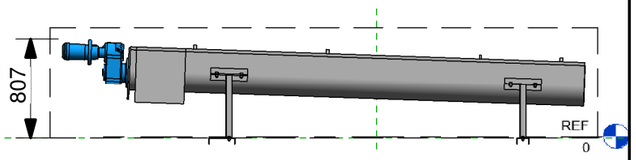
CATEGORY **Mechanical Equipment**

LOD-G **300**

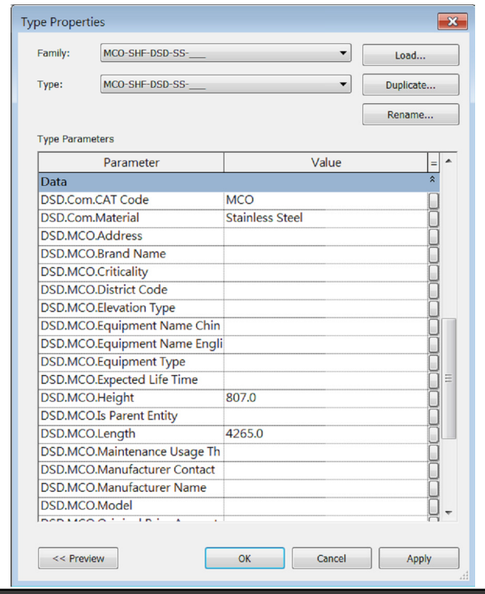




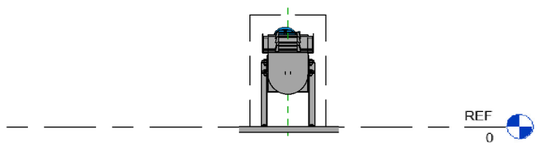
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

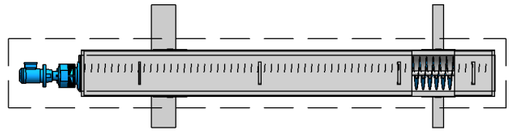
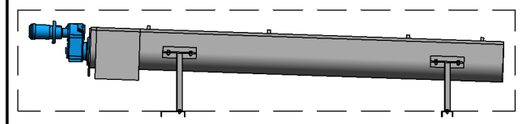
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Conveyor Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MCO	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

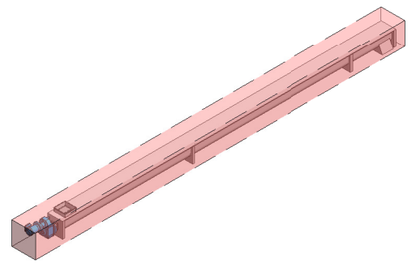
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2051**
	DATE **07-2020**	
	REVISION **0**	

INPUT

Object Name **MCO-SHL-DSD-SS-___**

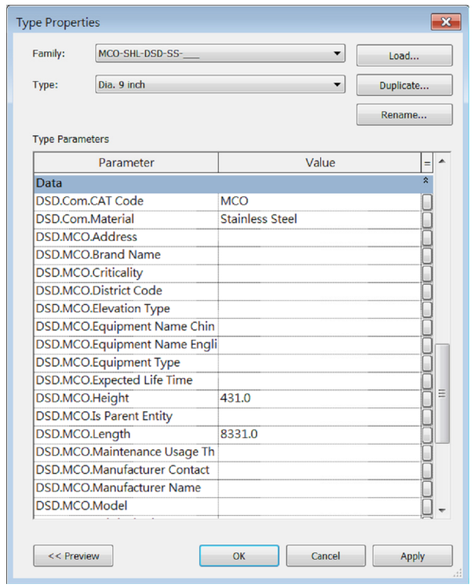
CATEGORY **Mechanical Equipment**

LOD-G **300**

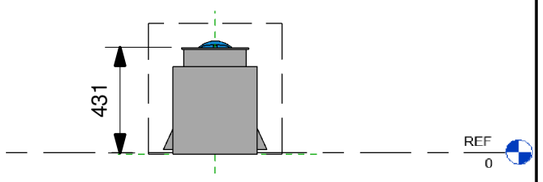


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Conveyor Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MCO	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

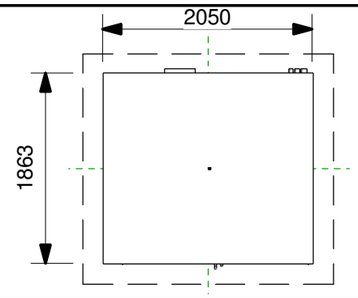
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2052**
	DATE **07-2020**	
	REVISION **0**	

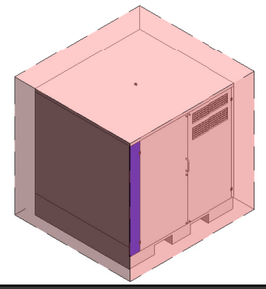
INPUT

Object Name **MAB-___-DSD-ST-___**

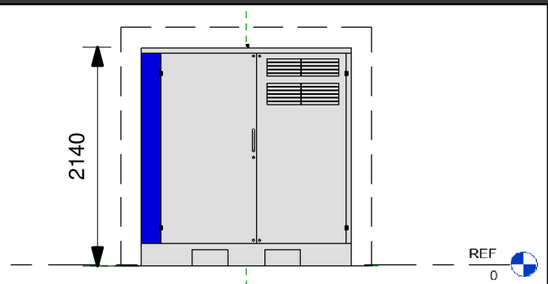
CATEGORY **Mechanical Equipment**

LOD-G **300**





PLAN



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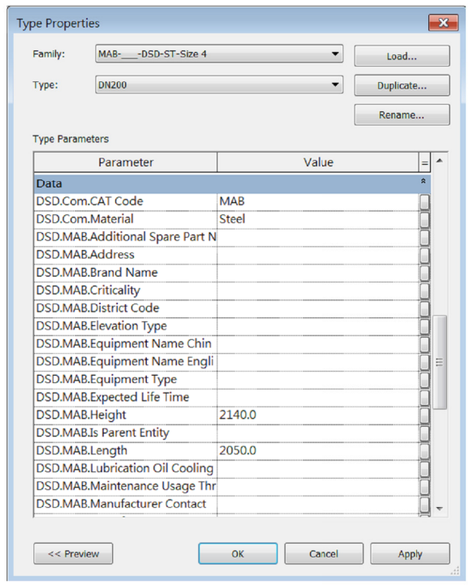
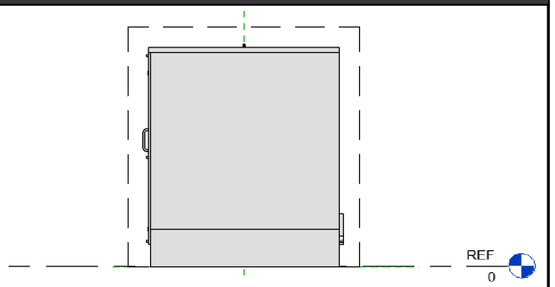


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

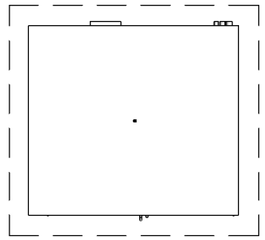
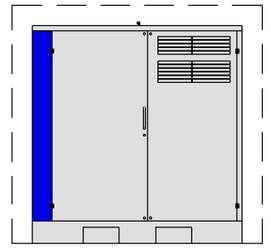
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Air Blower Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MAB	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

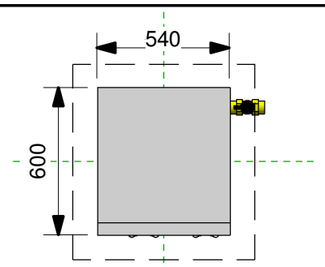
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2053**
	DATE **07-2020**	
	REVISION **0**	

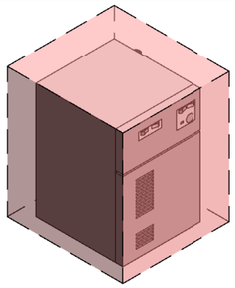
INPUT

Object Name **MAC-___-DSD-ST-___**

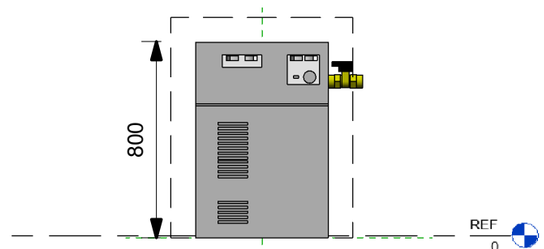
CATEGORY **Mechanical Equipment**

LOD-G **300**

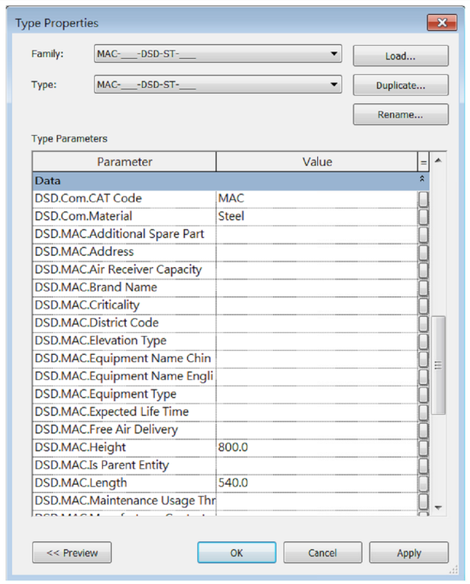




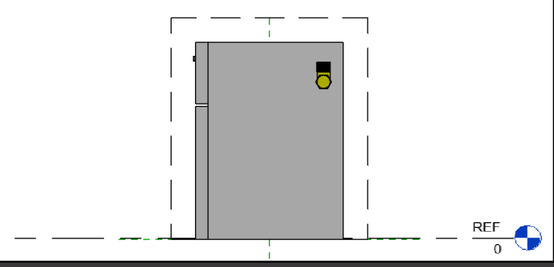
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

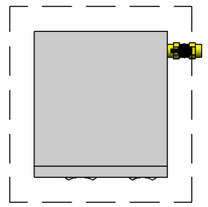
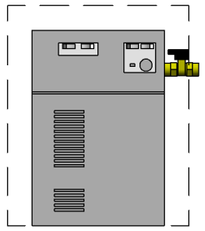
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Air Compressor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MAC	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

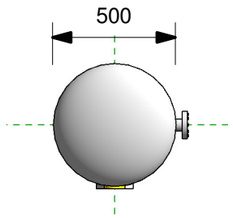
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2054**
	DATE **07-2020**	
	REVISION **0**	

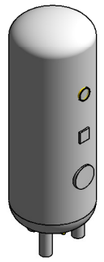
INPUT

Object Name **MAR-___-DSD-GS-___**

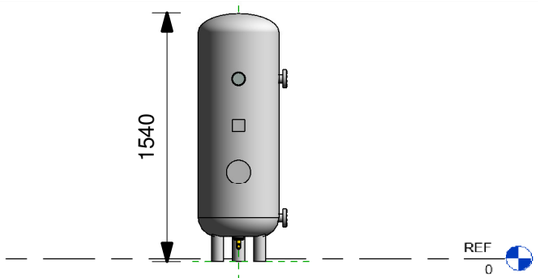
CATEGORY **Mechanical Equipment**

LOD-G **300**

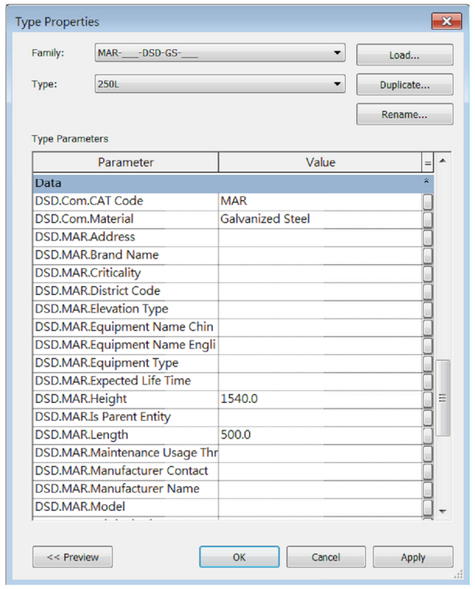




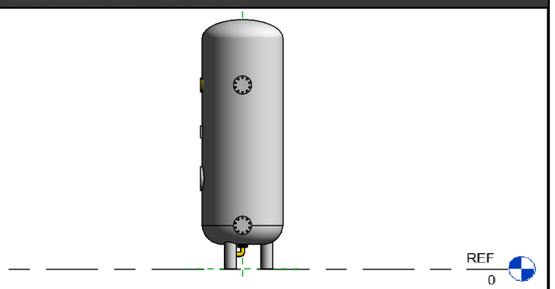
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

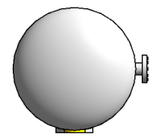
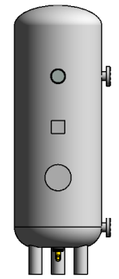
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Air Receiver Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MAR	01/04/2019	01/04/2019	Galvanized Steel

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Drainage Services Department

BIM OBJECT SHEET

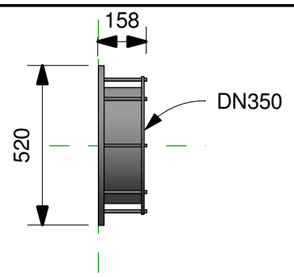
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2055**
	DATE **05-2020**	
	REVISION **0**	

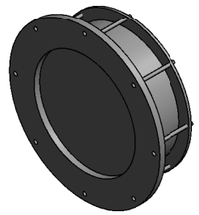
INPUT

Object Name **MPA-FLA-DSD-DI-___**

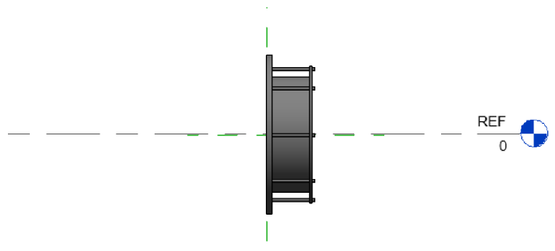
CATEGORY **Pipe Accessories**

LOD-G **300**

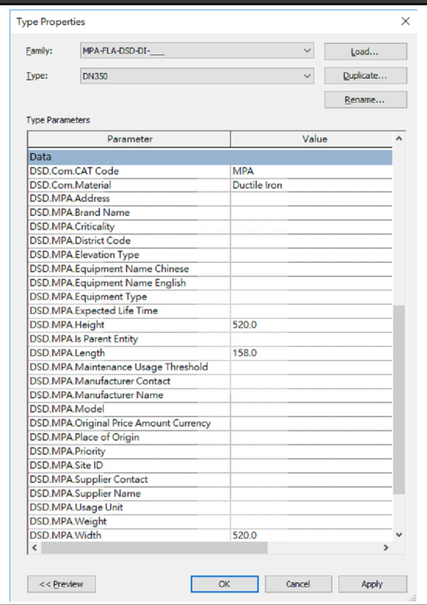




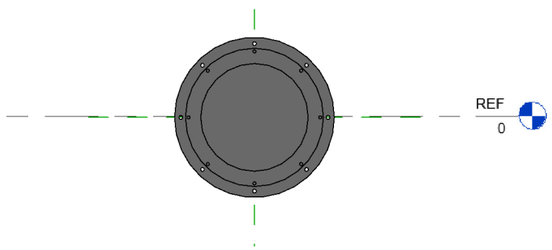
PLAN



3D



FRONT ELEVATION / SECTION

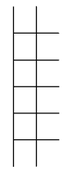


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPA_FLA



2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Accessory Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPA	01/04/2019	01/04/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

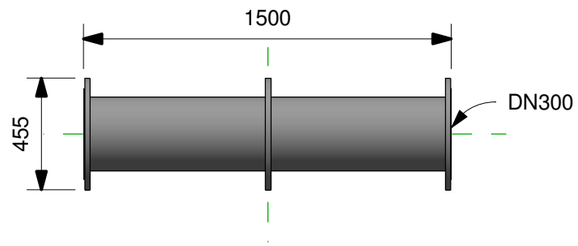
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2056**
	DATE **05-2020**	
	REVISION **0**	

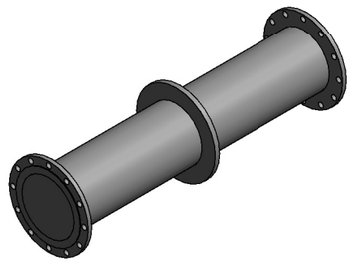
INPUT

Object Name **MPA-PUF-DSD-DI-___**

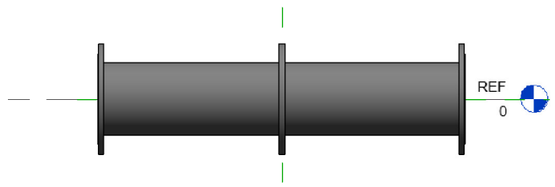
CATEGORY **Pipe Accessories**

LOD-G **300**

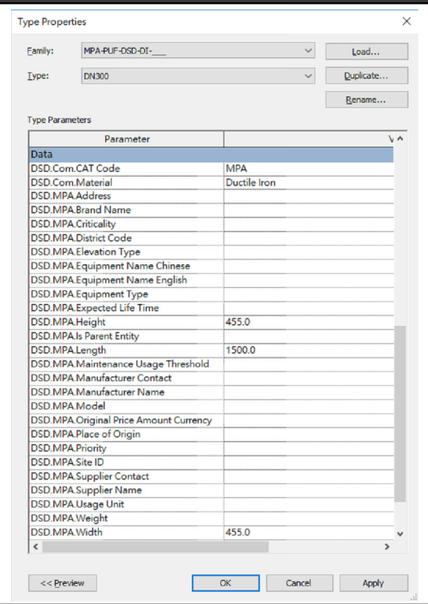




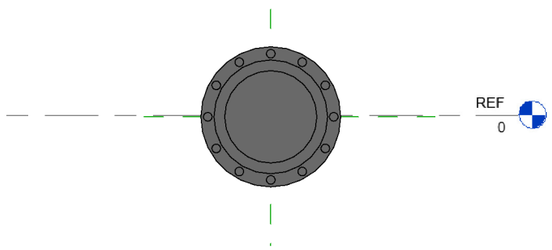
PLAN



3D



FRONT ELEVATION / SECTION

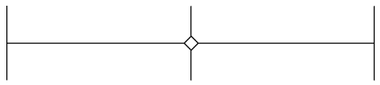


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPA_PUF



2D SYMBOL

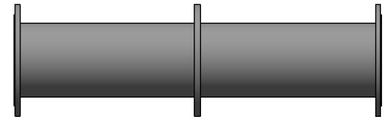
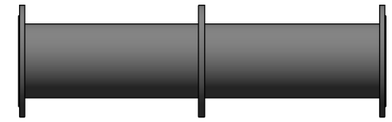
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Accessory Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPA	01/04/2019	01/04/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

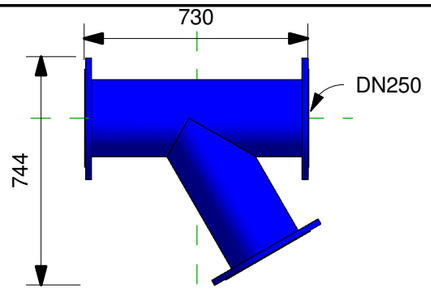
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2057**
	DATE **05-2020**	
	REVISION **0**	

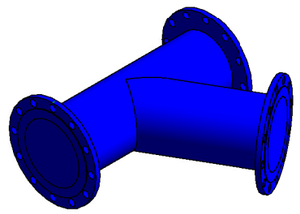
INPUT

Object Name **MPA-STR-DSD-CI-___**

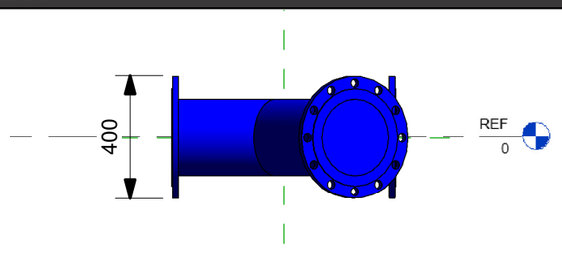
CATEGORY **Pipe Accessories**

LOD-G **300**

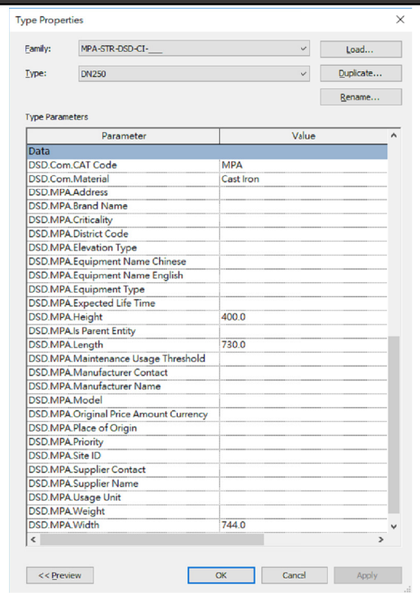




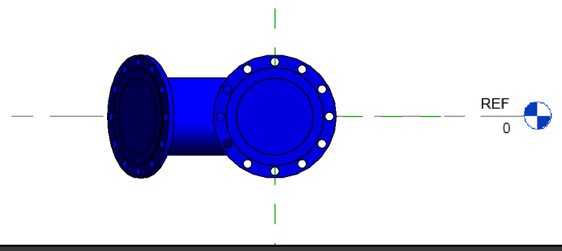
PLAN



3D



FRONT ELEVATION / SECTION

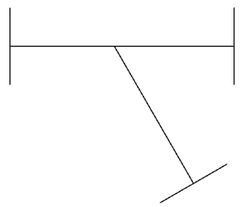


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPA_STR



2D SYMBOL

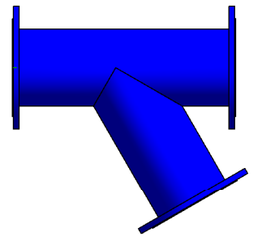
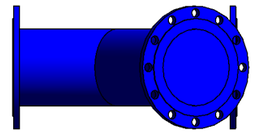
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Accessory Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPA	01/04/2019	01/04/2019	Cast Iron

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Drainage Services Department

BIM OBJECT SHEET

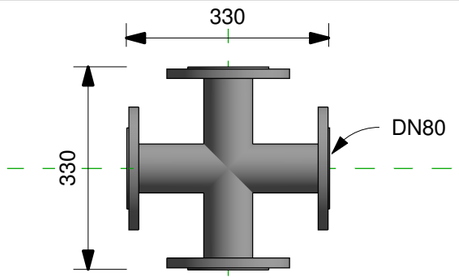
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2058**
	DATE **05-2020**	
	REVISION **0**	

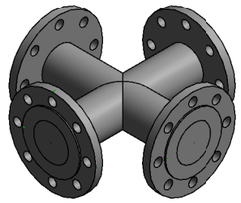
INPUT

Object Name **MPF-CRO-DSD-DI-___**

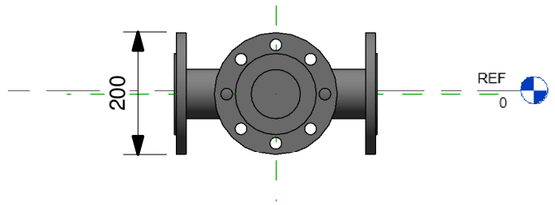
CATEGORY **Pipe Fittings**

LOD-G **300**

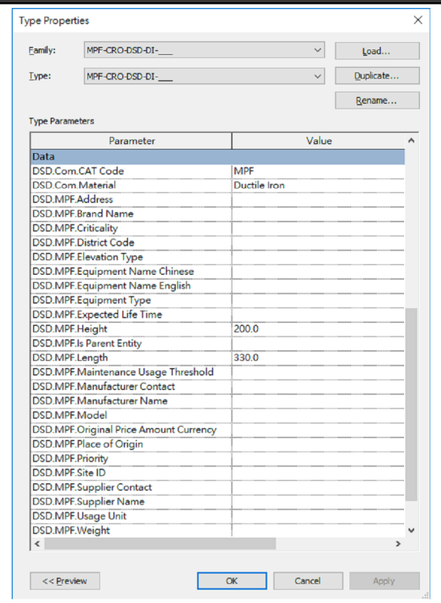




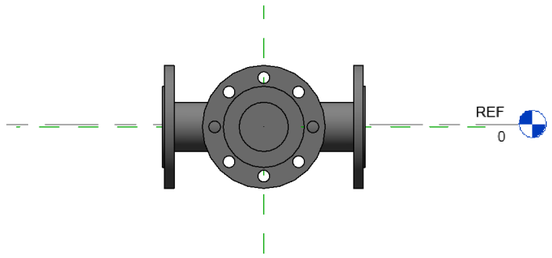
PLAN



3D



FRONT ELEVATION / SECTION

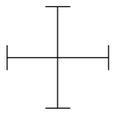


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPF_CRO



2D SYMBOL

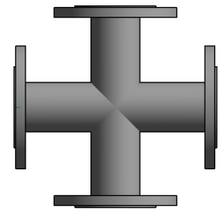
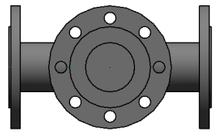
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPF	01/04/2019	01/04/2019	Ductile Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

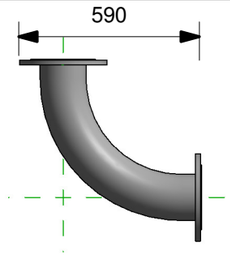
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2059**
	DATE **07-2020**	
	REVISION **0**	

INPUT

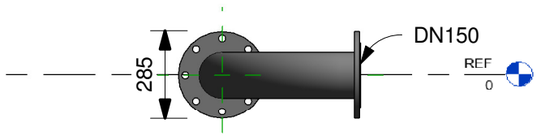
Object Name **MPF-ELB-DSD-DI-Long**

CATEGORY **Pipe Fitting**

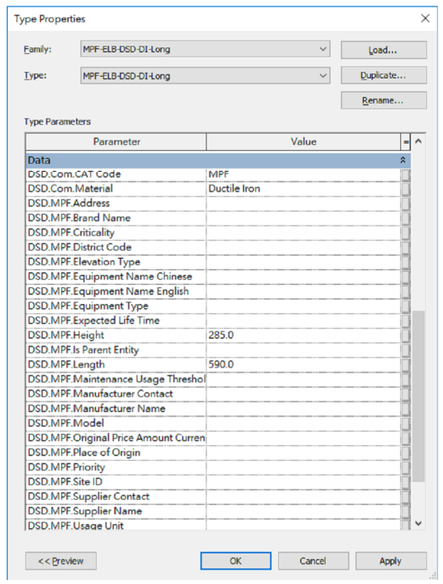
LOD-G **300**



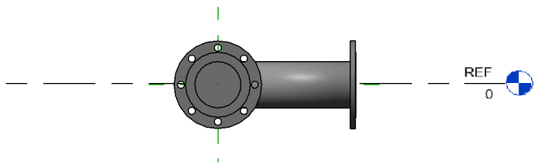
PLAN



3D



FRONT ELEVATION / SECTION

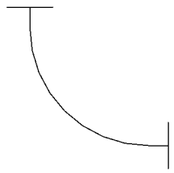


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name



2D SYMBOL

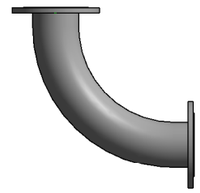
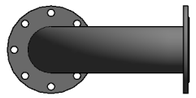
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPF	01/04/2019	01/04/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

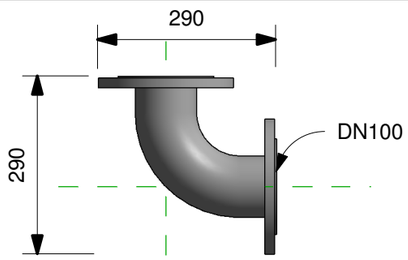
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **05-2020**	**DSD-OS-2060**
	REVISION **0**	

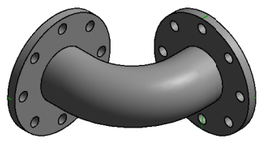
INPUT

Object Name **MPF-ELB-DSD-DI-Short**

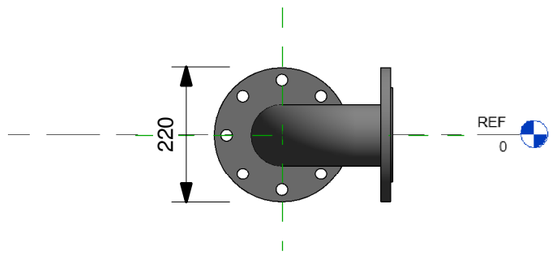
CATEGORY **Pipe Fittings**

LOD-G **300**

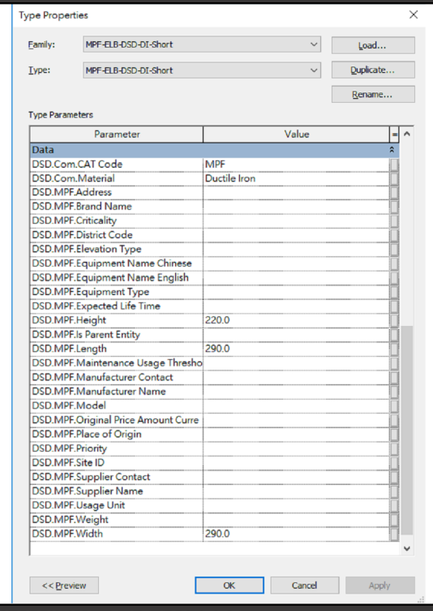




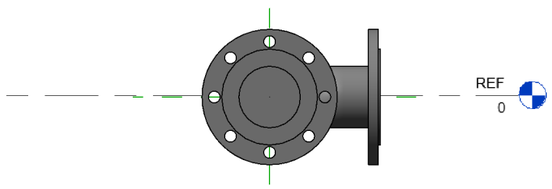
PLAN



3D



FRONT ELEVATION / SECTION

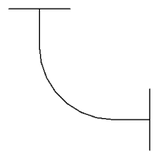


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPF_ELB



2D SYMBOL

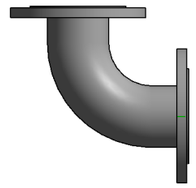
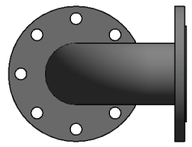
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPF	01/04/2019	01/04/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

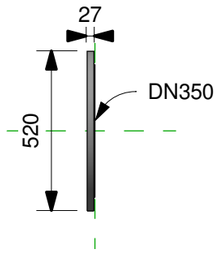
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2061**
	DATE **05-2020**	
	REVISION **0**	

INPUT

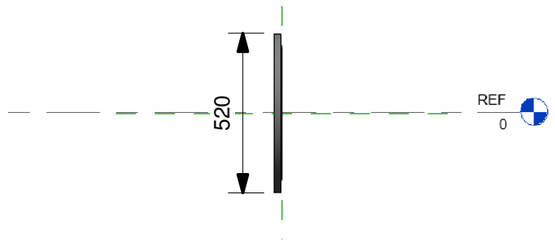
Object Name **MPF-FLA-DSD-DI-___**

CATEGORY **Pipe Fittings**

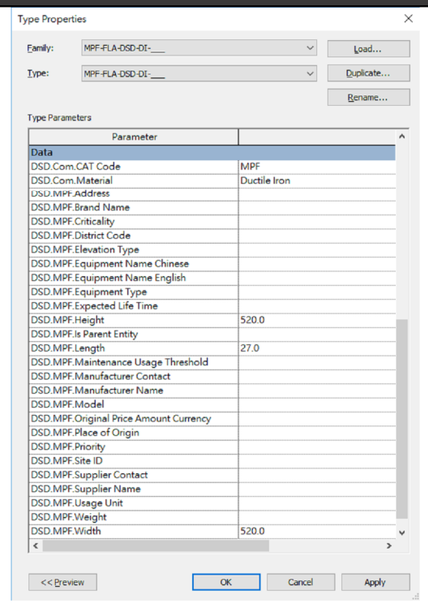
LOD-G **300**



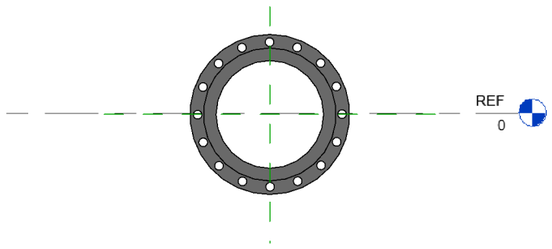
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPF_FLA

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPF	01/04/2019	01/04/2019	Ductile Iron

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Drainage Services Department

BIM OBJECT SHEET

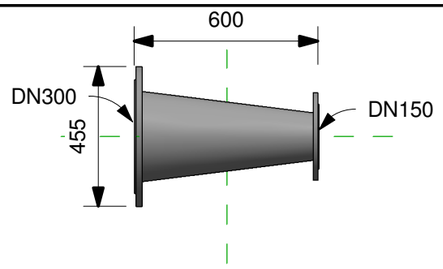
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **05-2020**	**DSD-OS-2062**
	REVISION **0**	

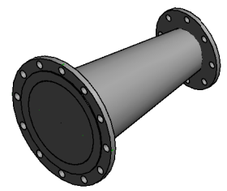
INPUT

Object Name **MPF-RED-DSD-DI-Concentric**

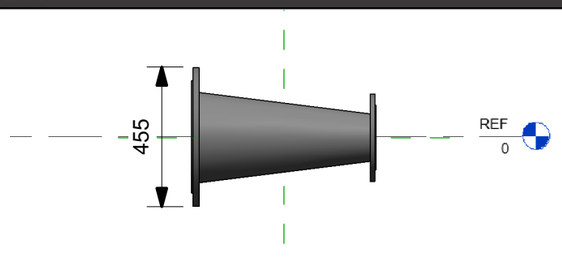
CATEGORY **Pipe Fittings**

LOD-G **300**

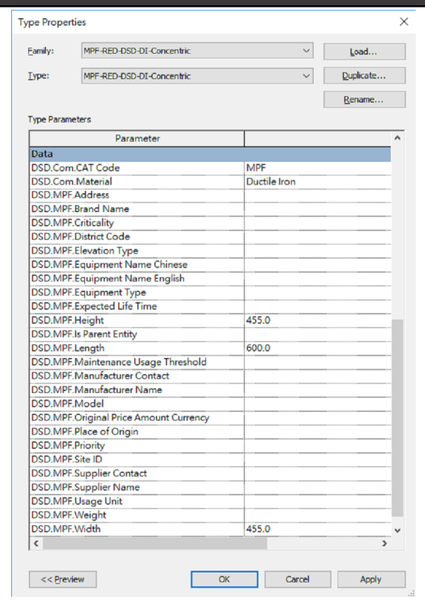




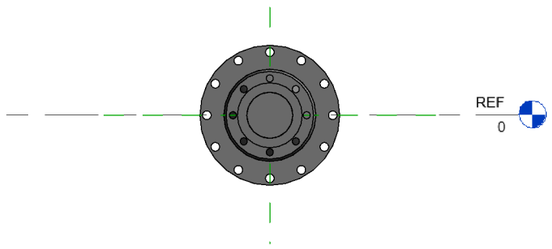
PLAN



3D



FRONT ELEVATION / SECTION

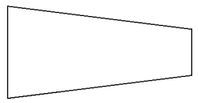


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPF_RED



2D SYMBOL

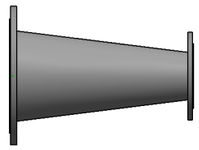
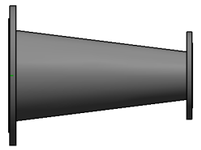
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPF	01/04/2019	01/04/2019	Ductile Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

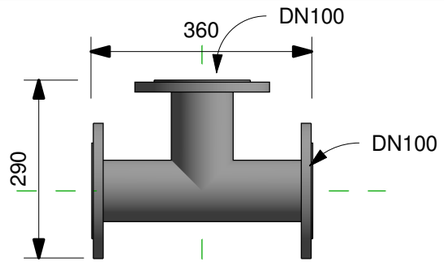
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2063**
	DATE **05-2020**	
	REVISION **0**	

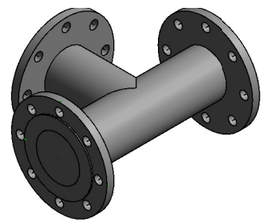
INPUT

Object Name **MPF-TEE-DSD-DI-___**

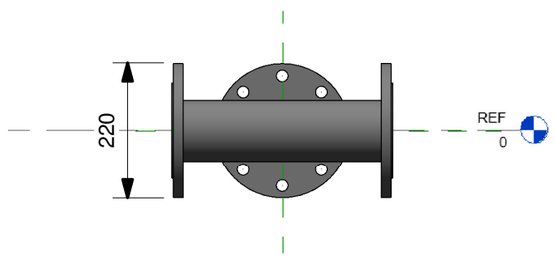
CATEGORY **Pipe Fittings**

LOD-G **300**

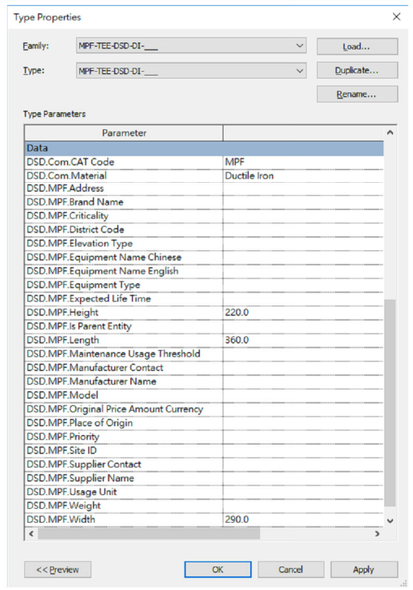




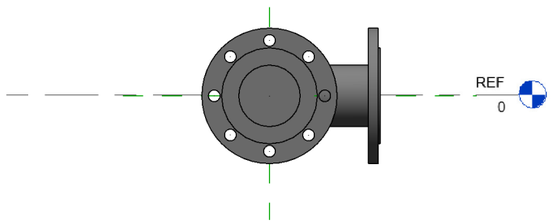
PLAN



3D



FRONT ELEVATION / SECTION

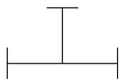


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_MPF_TEE / DI_MPF_TEE



2D SYMBOL

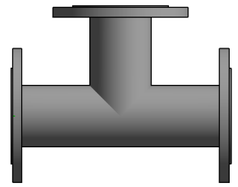
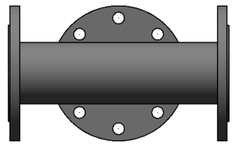
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pipe Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPF	01/04/2019	01/04/2019	Ductile Iron

渠務署
Drainage Services Department

BIM OBJECT SHEET

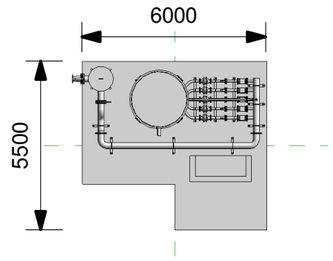
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2064**
	DATE **07-2020**	
	REVISION **0**	

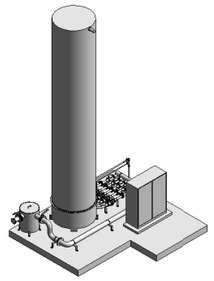
INPUT

Object Name **MBB-___-DSD-SS-___**

CATEGORY **Mechanical Equipment**

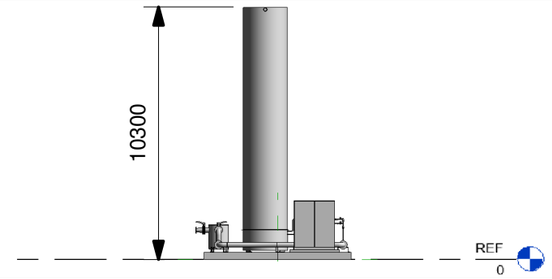
LOD-G **300**

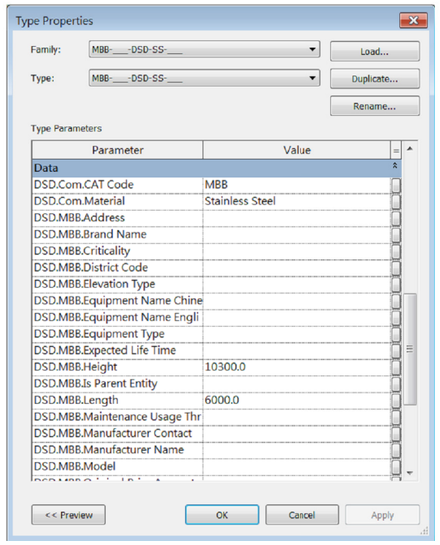




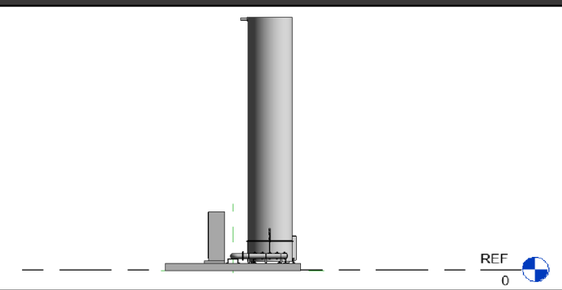
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

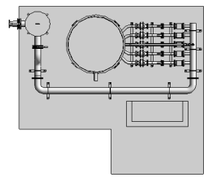
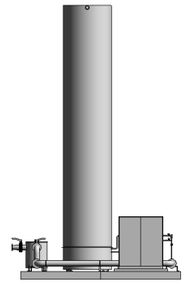
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Biogas Burner Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MBB	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

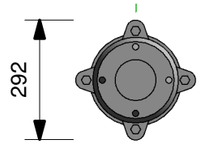
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2065**
	DATE **07-2020**	
	REVISION **0**	

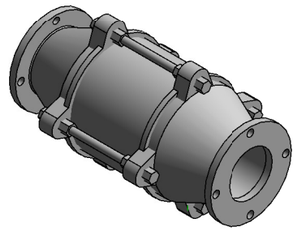
INPUT

Object Name **MFA-___-DSD-SS-Vertical**

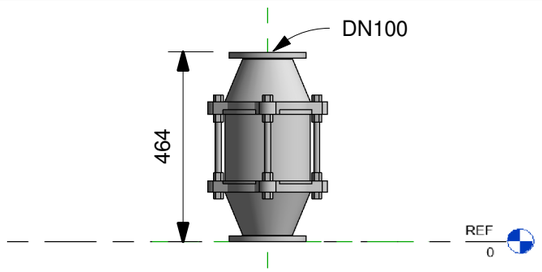
CATEGORY **Pipe Accessories**

LOD-G **300**

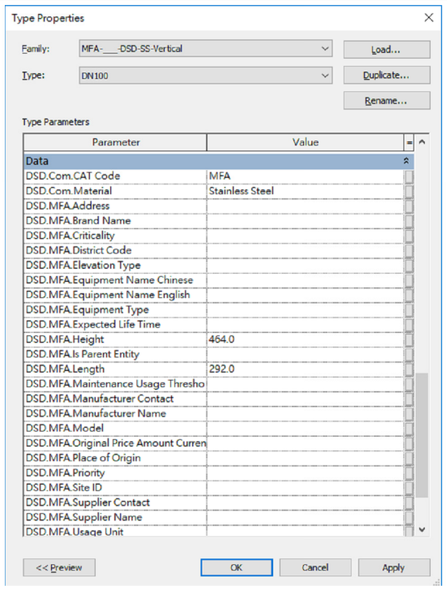




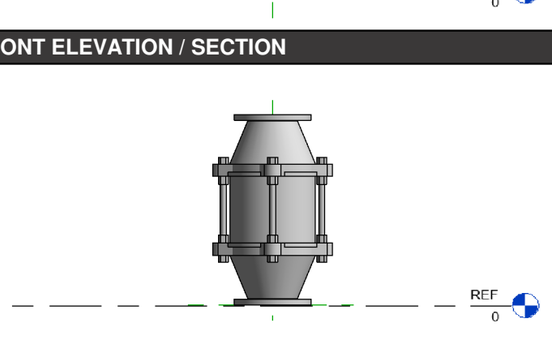
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

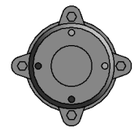
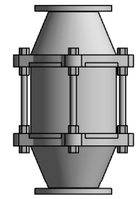
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Flame Arrester Unit Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MFA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

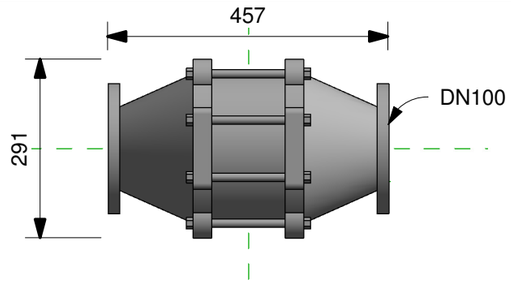
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2066**
	DATE **07-2020**	
	REVISION **0**	

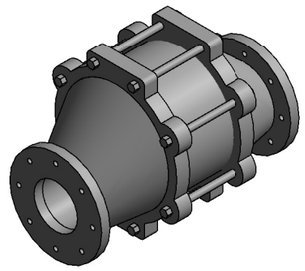
INPUT

Object Name **MFA-___-DSD-SS-Horizontal**

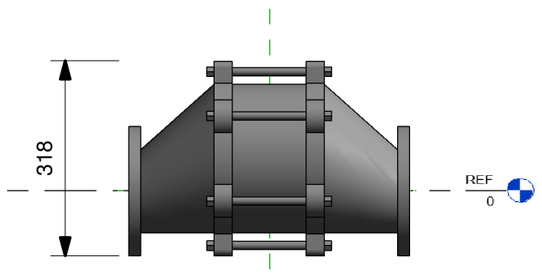
CATEGORY **Pipe Accessories**

LOD-G **300**

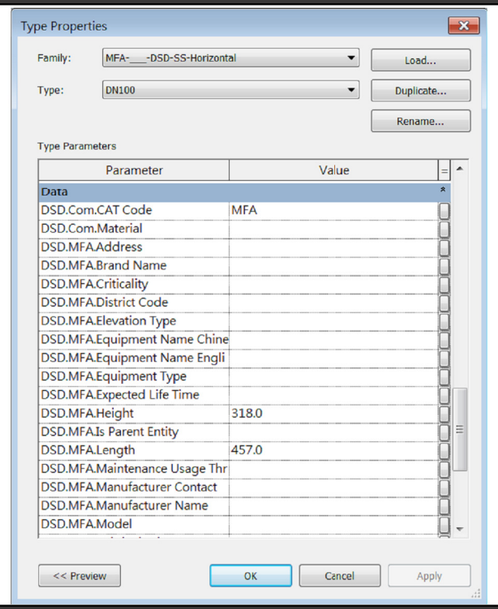




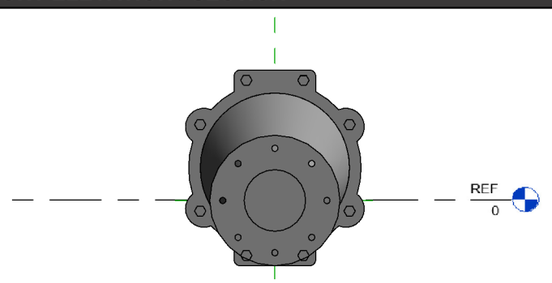
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

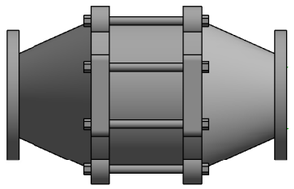
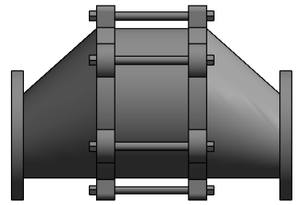
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Flame Arrester Unit Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MFA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

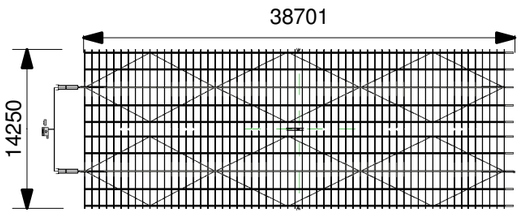
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2067**
	DATE **07-2020**	
	REVISION **0**	

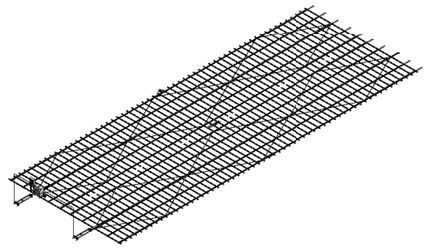
INPUT

Object Name **MSR-___-DSD-SS-___**

CATEGORY **Mechanical Equipment**

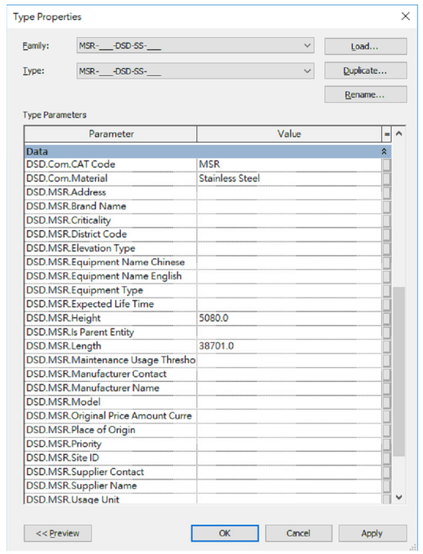
LOD-G **300**



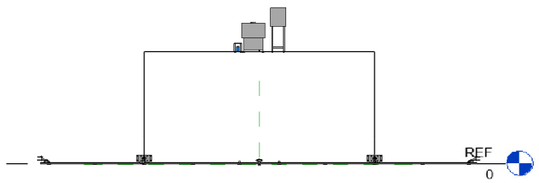


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

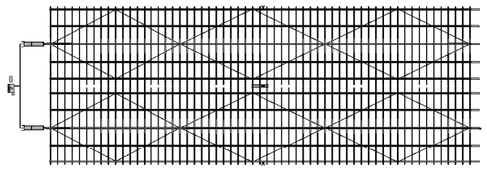
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Scraper Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MSR	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

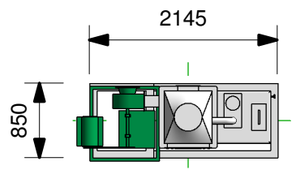
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2068**
	DATE **07-2020**	
	REVISION **0**	

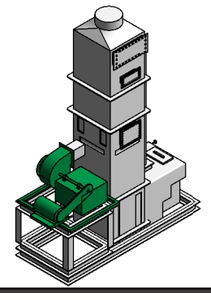
INPUT

Object Name **MSU-___-DSD-FRP-___**

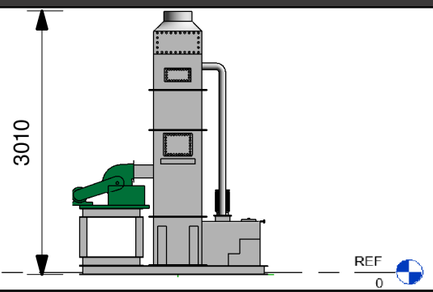
CATEGORY **Mechanical Equipment**

LOD-G **300**

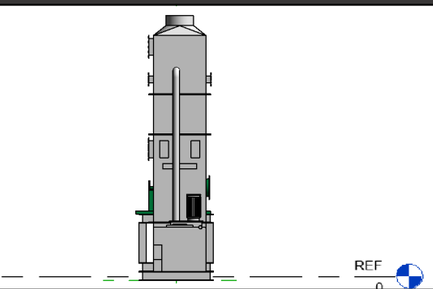




PLAN

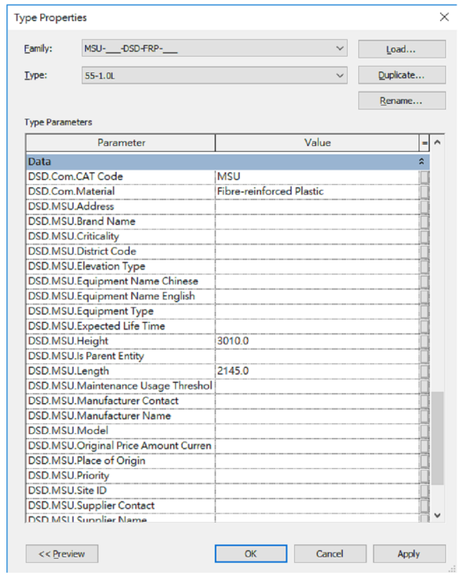


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

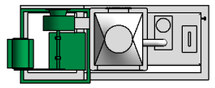
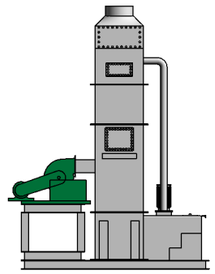
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Scrubber Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MSU	01/04/2019	01/04/2019	Fibre-reinforced Plastic

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Drainage Services Department

BIM OBJECT SHEET

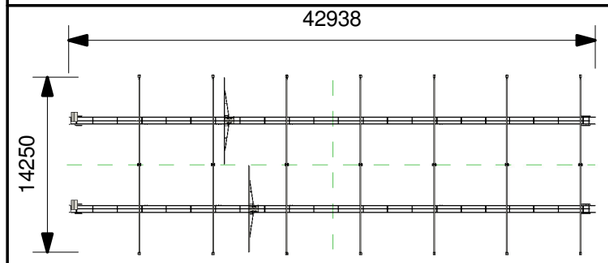
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2069**
	DATE **07-2020**	
	REVISION **0**	

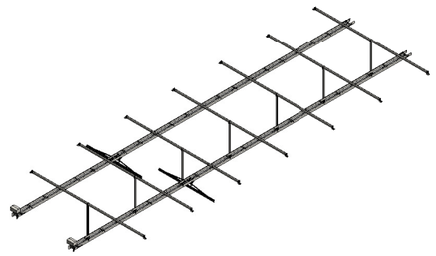
INPUT

Object Name **MSO-___-DSD-SS-___**

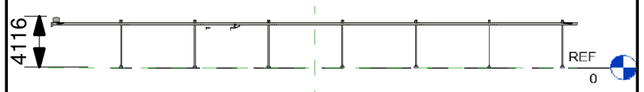
CATEGORY **Mechanical Equipment**

LOD-G **300**

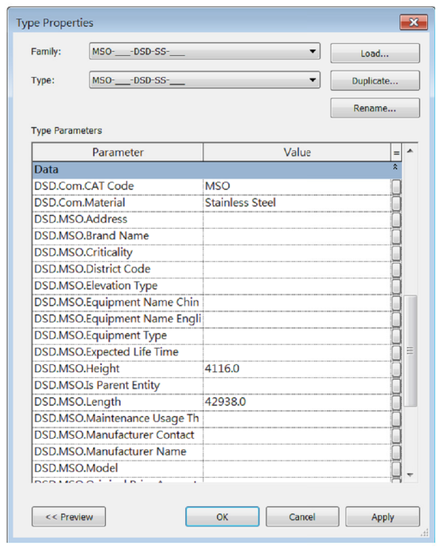




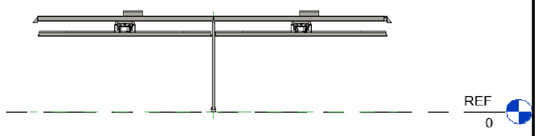
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

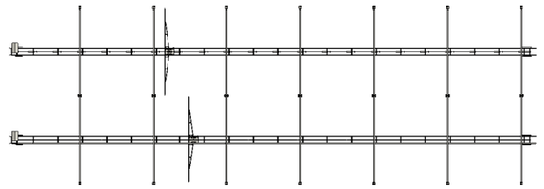
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Scum Collector Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MSO	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

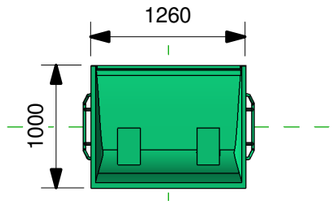
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2070**
	DATE **07-2020**	
	REVISION **0**	

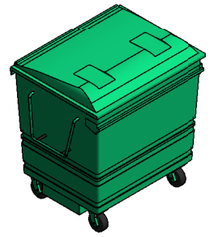
INPUT

Object Name **MSK-___-DSD-ST-___**

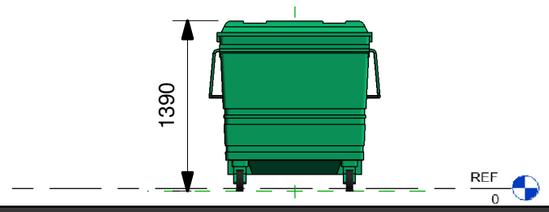
CATEGORY **Mechanical Equipment**

LOD-G **300**

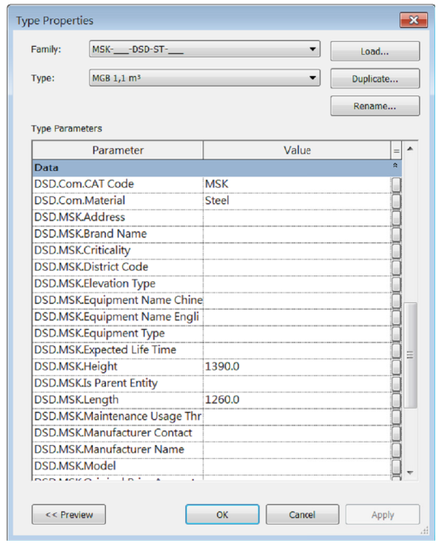




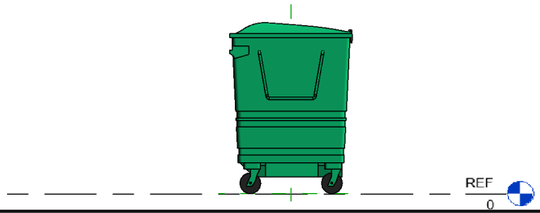
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

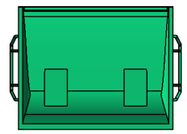
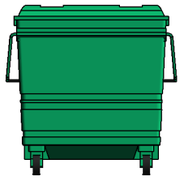
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Skip Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MSK	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

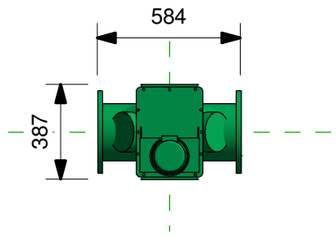
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2071**
	DATE **07-2020**	
	REVISION **0**	

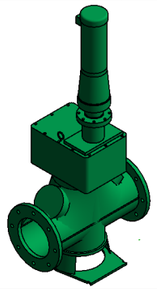
INPUT

Object Name **MSG-___-DSD-ST-___**

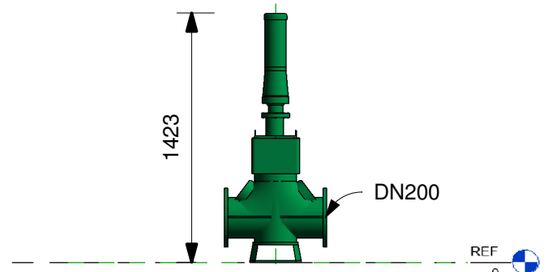
CATEGORY **Mechanical Equipment**

LOD-G **300**

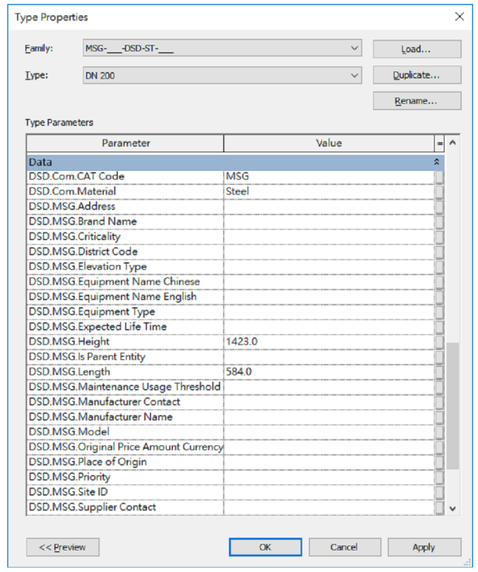




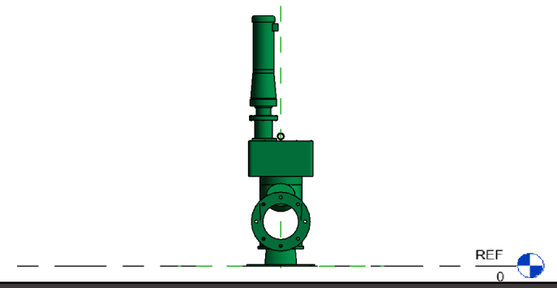
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

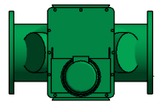
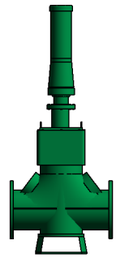
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sludge Grinder Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MSG	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

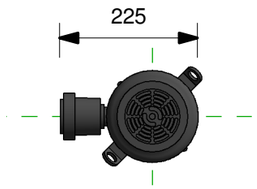
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2072**
	DATE **07-2020**	
	REVISION **0**	

INPUT

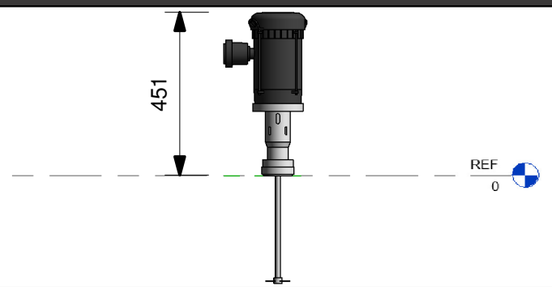
Object Name **MST-___-DSD-SS-___**

CATEGORY **Mechanical Equipment**

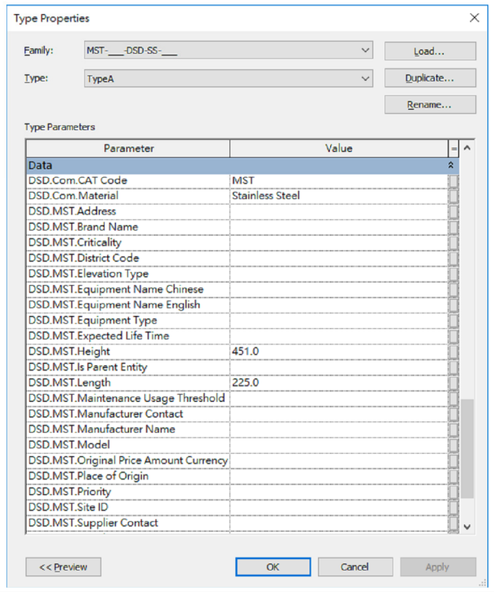
LOD-G **300**



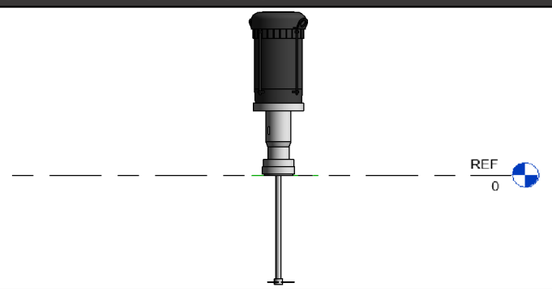
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

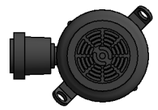
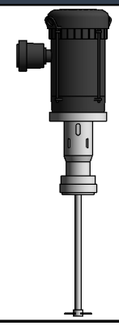
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Stirrer Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MST	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2073**
	DATE **05-2020**	
	REVISION **0**	

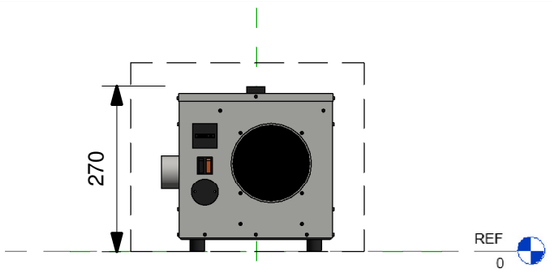
INPUT

Object Name **MDH-___-DSD-SS-___**

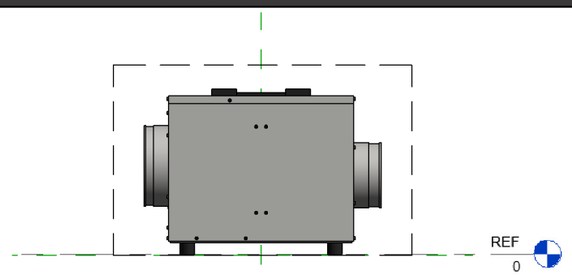
CATEGORY **Mechanical Equipment**

LOD-G **300**

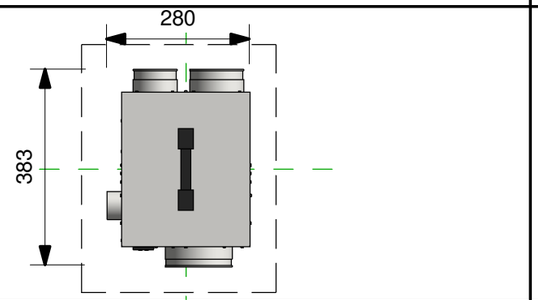
PLAN



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



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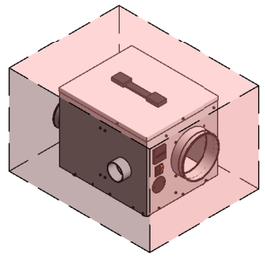
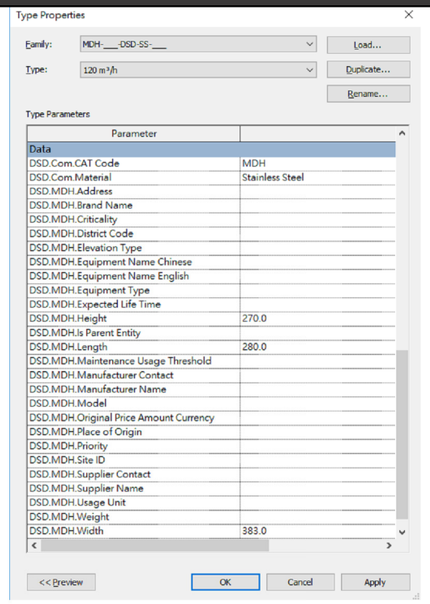


FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_MDH / DI_MDH

2D SYMBOL

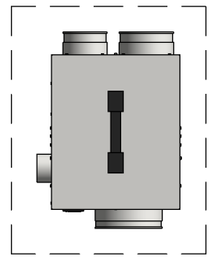
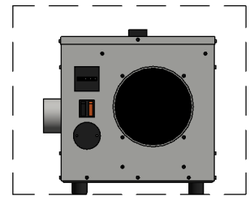
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Dehumidifier Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MDH	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

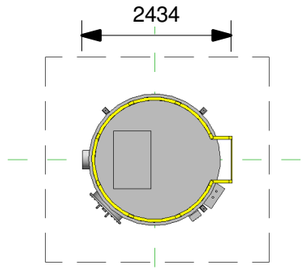
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2074**
	DATE **05-2020**	
	REVISION **0**	

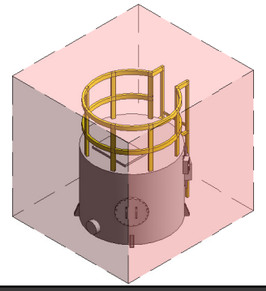
INPUT

Object Name **MDE-ATC-DSD-GRP-Round**

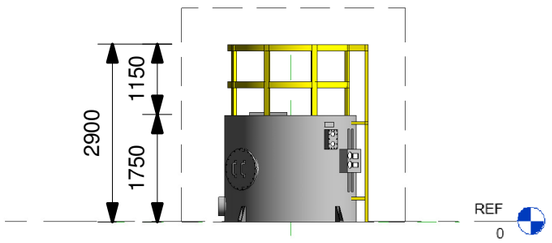
CATEGORY **Mechanical Equipment**

LOD-G **300**

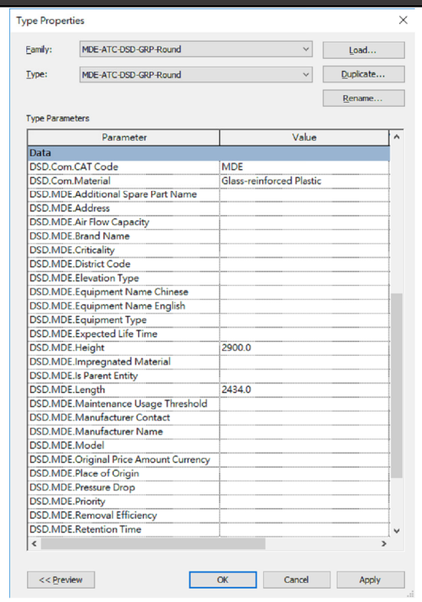




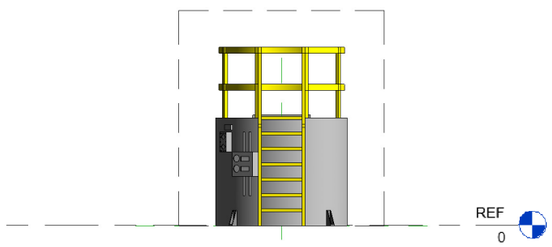
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

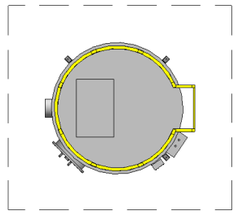
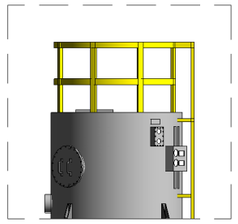
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Deodorizer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MDE	01/04/2019	01/04/2019	Glass-reinforced Plastic

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Drainage Services Department

BIM OBJECT SHEET

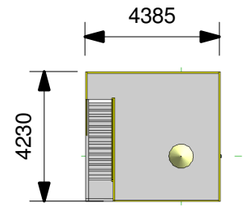
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2075**
	DATE **07-2020**	
	REVISION **0**	

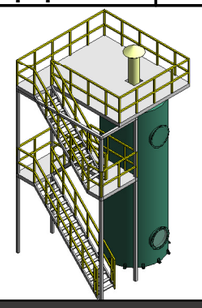
INPUT

Object Name **MDE-BIO-DSD-GRP-___**

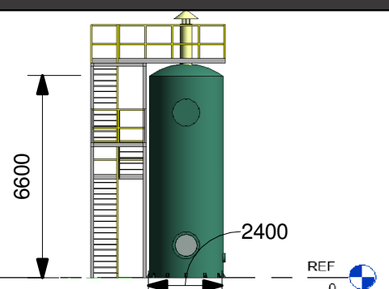
CATEGORY **Mechanical Equipment**

LOD-G **300**

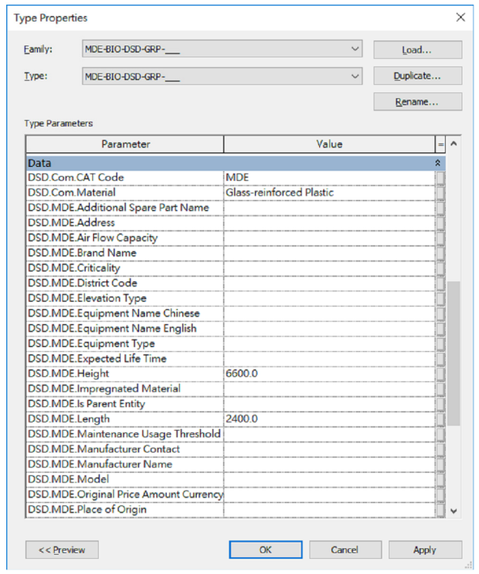




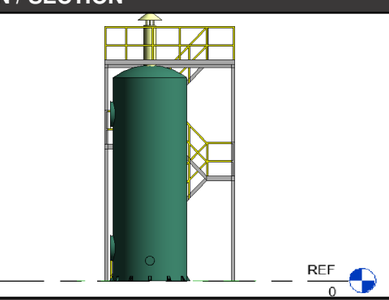
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

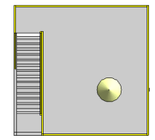
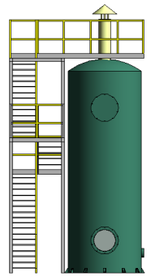
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Deodorizer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MDE	01/04/2019	01/04/2019	Glass-reinforced Plastic

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Drainage Services Department

BIM OBJECT SHEET

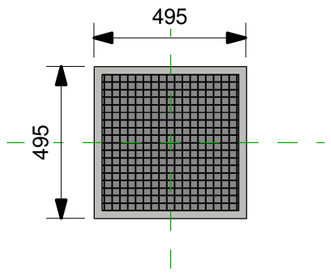
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2076**
	DATE **05-2020**	
	REVISION **0**	

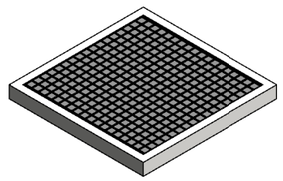
INPUT

Object Name **MEL-___-DSD-SS-___**

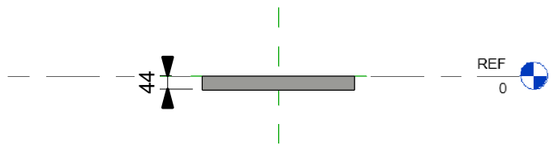
CATEGORY **Mechanical Equipment**

LOD-G **300**

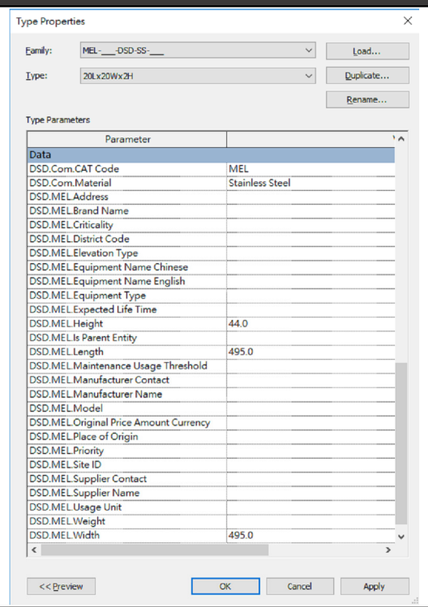




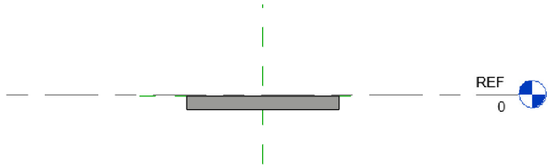
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

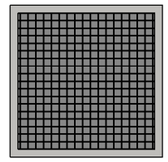
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Eliminator Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MEL	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

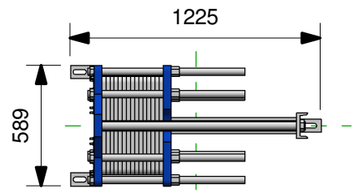
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2077**
	DATE **07-2020**	
	REVISION **0**	

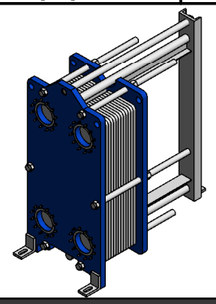
INPUT

Object Name **MHE-___-DSD-SS-___**

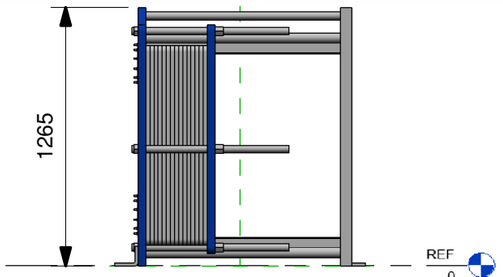
CATEGORY **Mechanical Equipment**

LOD-G **300**

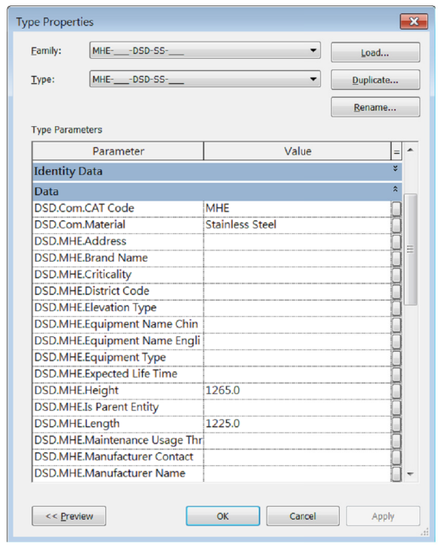




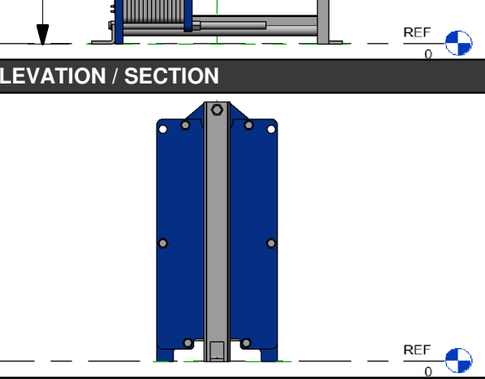
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

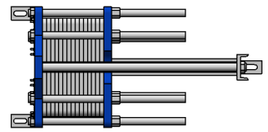
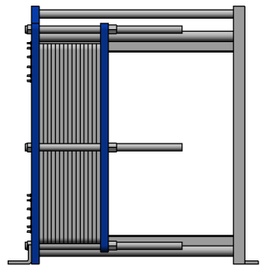
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Heat Exchanger Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MHE	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

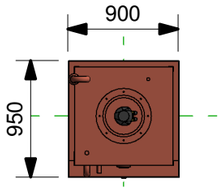
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2078**
	DATE **07-2020**	
	REVISION **0**	

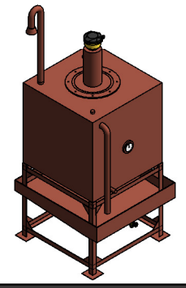
INPUT

Object Name **MTA-FUO-DSD-MS-450L**

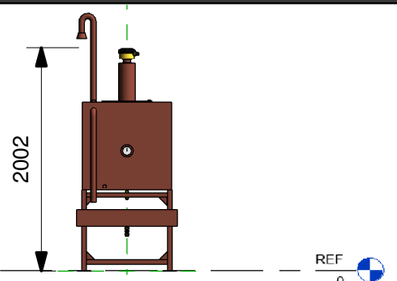
CATEGORY **Mechanical Equipment**

LOD-G **300**

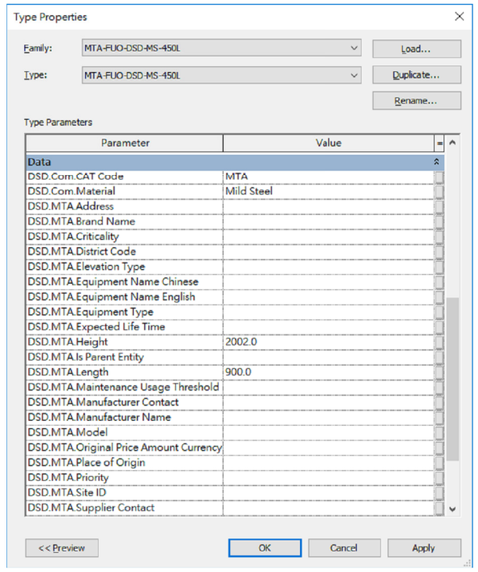




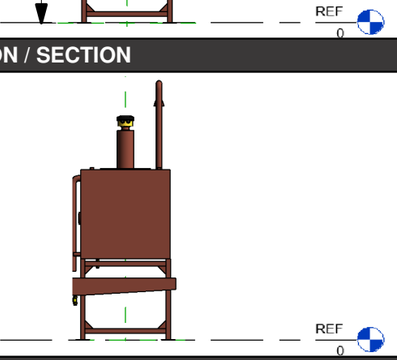
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

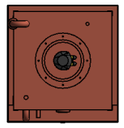
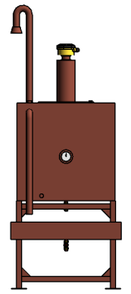
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Tank Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MTA	01/04/2019	01/04/2019	Mild Steel

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Drainage Services Department

BIM OBJECT SHEET

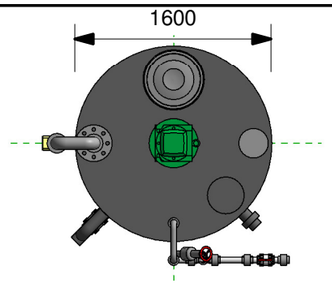
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2079**
	DATE **07-2020**	
	REVISION **0**	

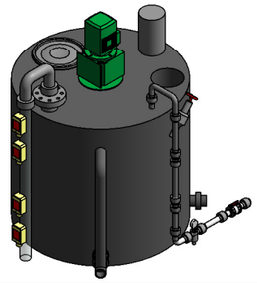
INPUT

Object Name **MTA-MIX-DSD-PL-___**

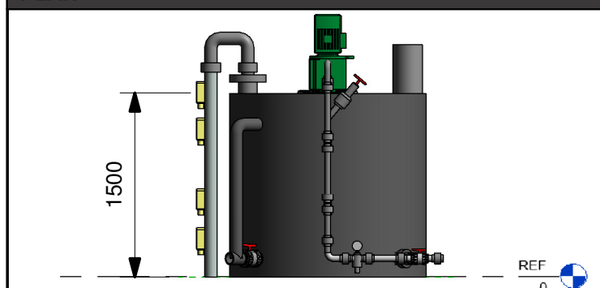
CATEGORY **Mechanical Equipment**

LOD-G **300**

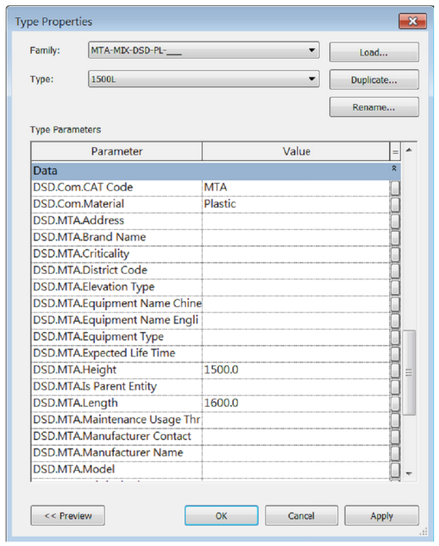




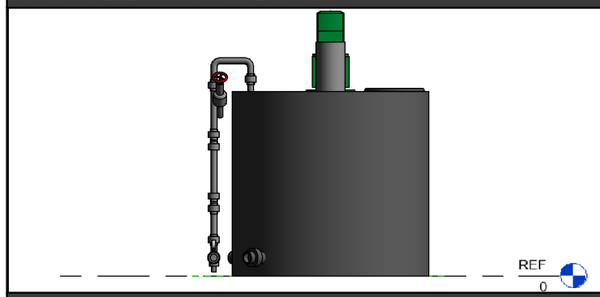
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

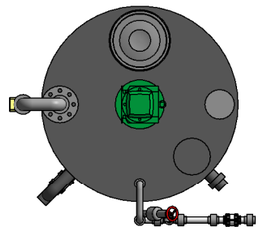
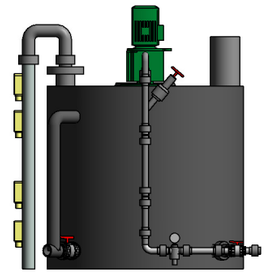
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Tank Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MTA	01/04/2019	01/04/2019	Plastic

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Drainage Services Department

BIM OBJECT SHEET

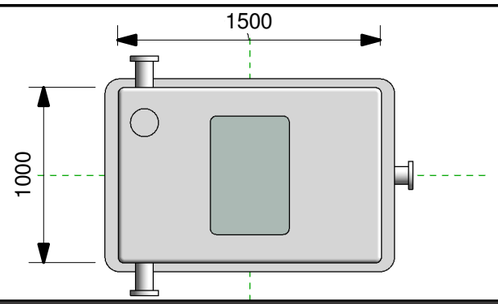
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2080**
	DATE **07-2020**	
	REVISION **0**	

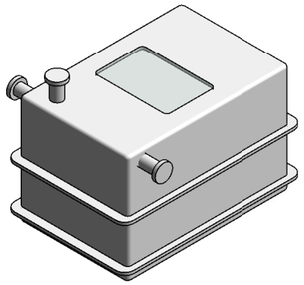
INPUT

Object Name **MTA-STO-DSD-GRP-Rectangular**

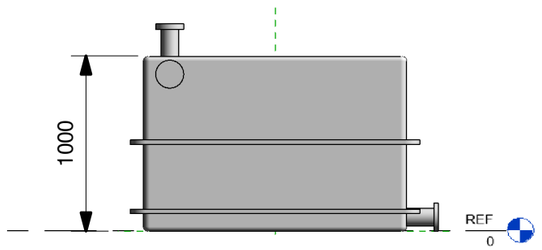
CATEGORY **Mechanical Equipment**

LOD-G **300**

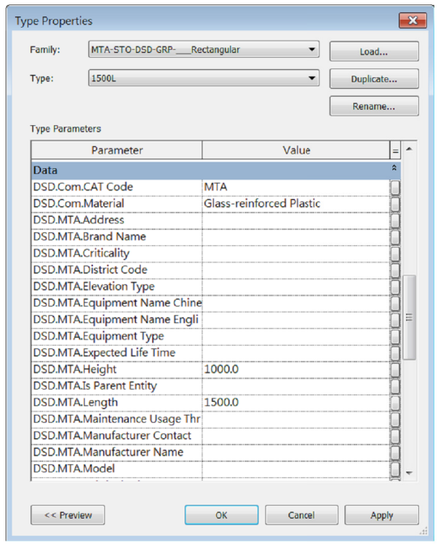




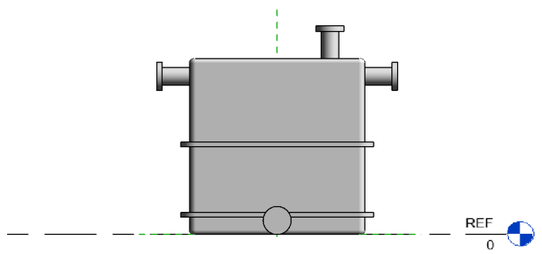
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

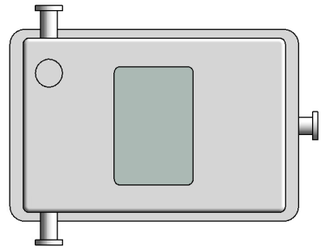
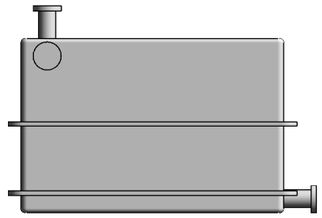
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Tank Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MTA	01/04/2019	01/04/2019	Glass-reinforced Plastic

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Drainage Services Department

BIM OBJECT SHEET

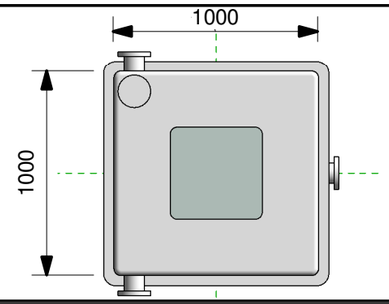
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2081**
	DATE **07-2020**	
	REVISION **0**	

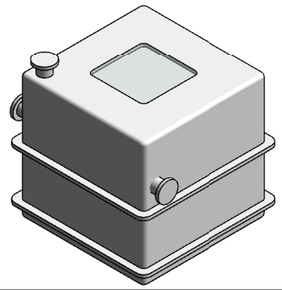
INPUT

Object Name **MTA-STO-DSD-GRP-Square**

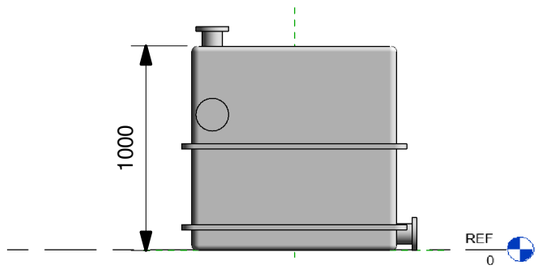
CATEGORY **Mechanical Equipment**

LOD-G **300**

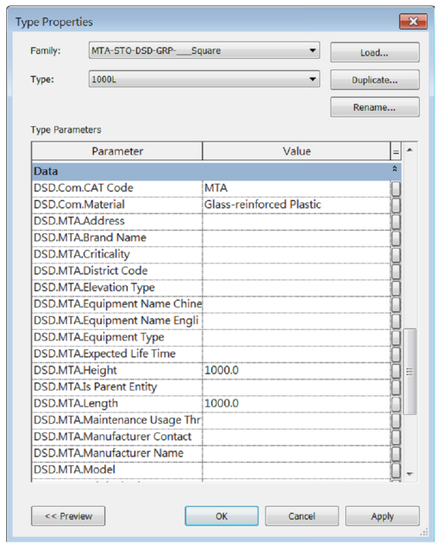




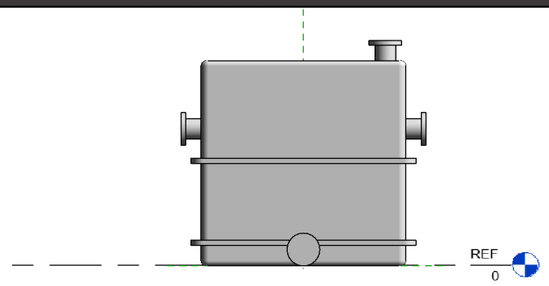
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

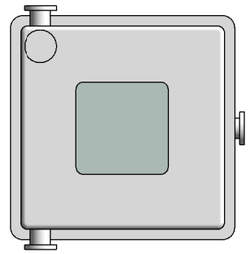
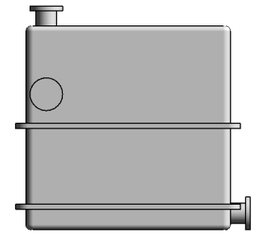
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Tank Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MTA	01/04/2019	01/04/2019	Glass-reinforced Plastic

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Drainage Services Department

BIM OBJECT SHEET

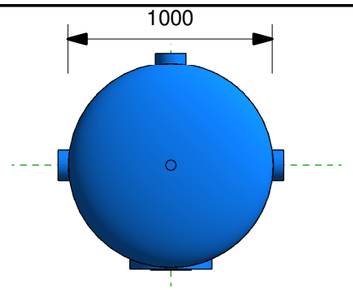
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2082**
	DATE **07-2020**	
	REVISION **0**	

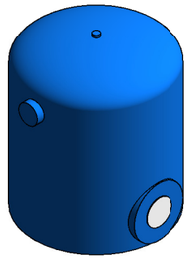
INPUT

Object Name **MTA-STO-DSD-GRP-Cylinder**

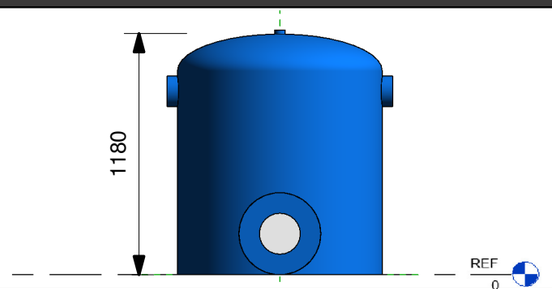
CATEGORY **Mechanical Equipment**

LOD-G **300**

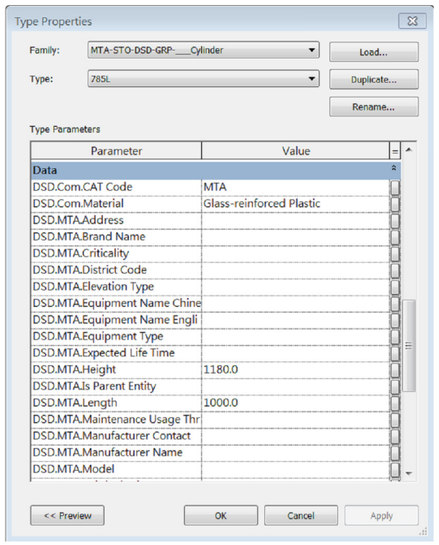




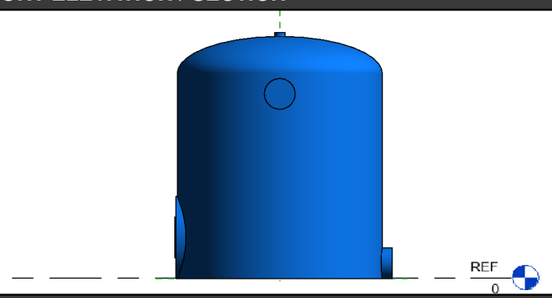
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

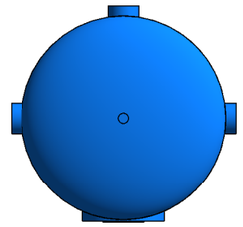
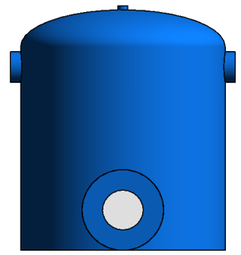
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Tank Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MTA	01/04/2019	01/04/2019	Glass-reinforced Plastic

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BIM OBJECT SHEET

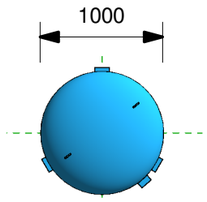
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2083**
	DATE **07-2020**	
	REVISION **0**	

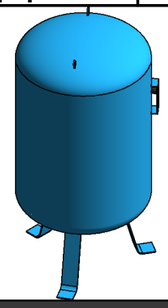
INPUT

Object Name **MPV-___-DSD-ST-___**

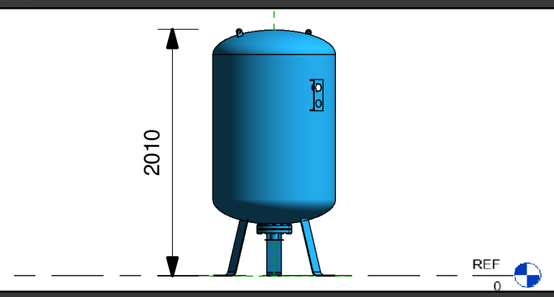
CATEGORY **Mechanical Equipment**

LOD-G **300**

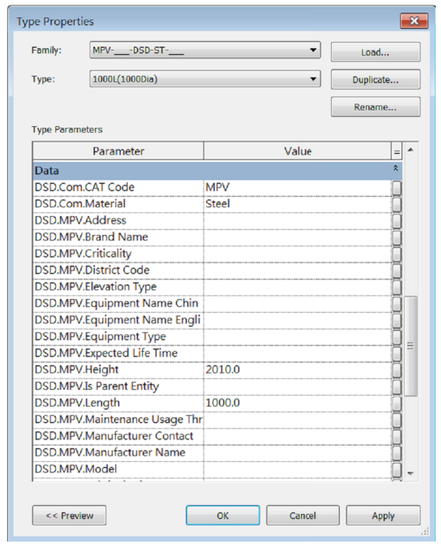




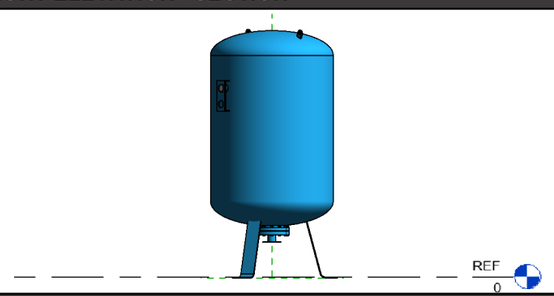
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

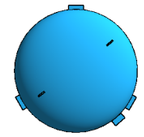
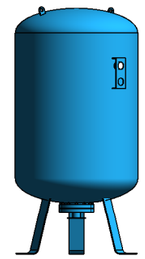
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pressure Vessel Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MPV	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

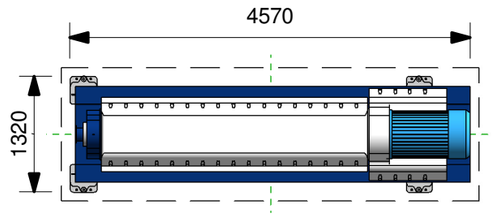
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2084**
	DATE **07-2020**	
	REVISION **0**	

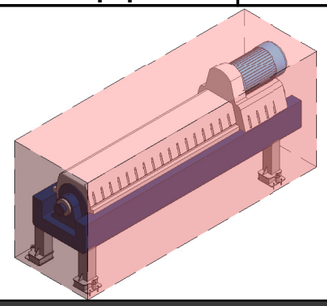
INPUT

Object Name **MCT-___-DSD-SS-___**

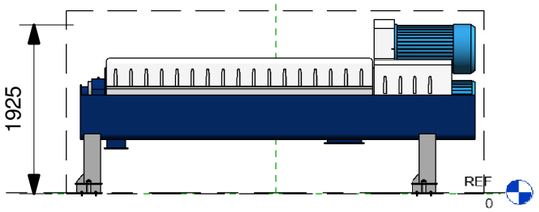
CATEGORY **Mechanical Equipment**

LOD-G **300**

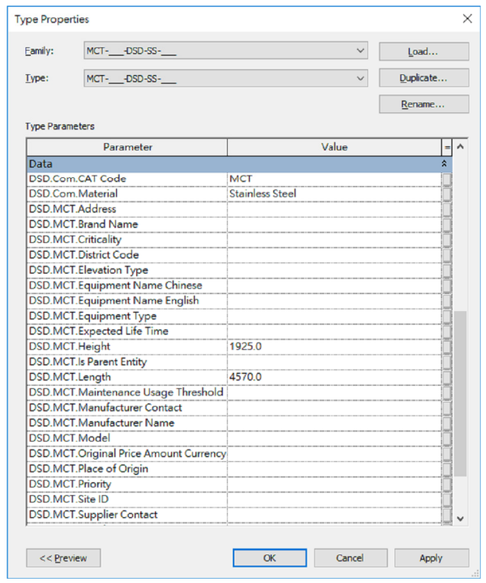




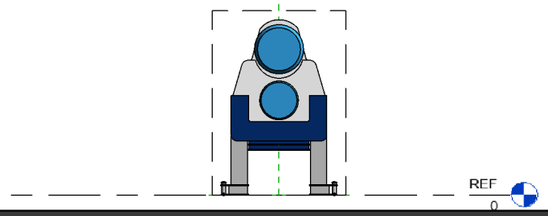
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

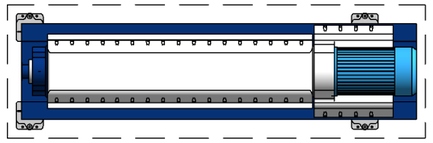
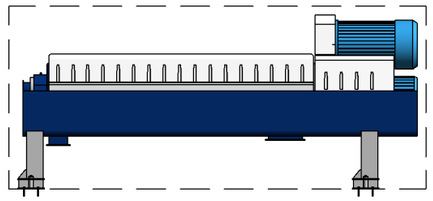
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Centrifuge Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MCT	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

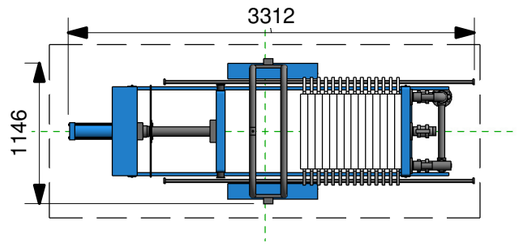
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2085**
	DATE **07-2020**	
	REVISION **0**	

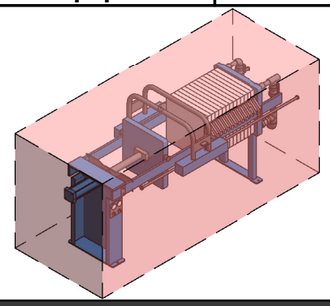
INPUT

Object Name **MMF-___-DSD-ST-___**

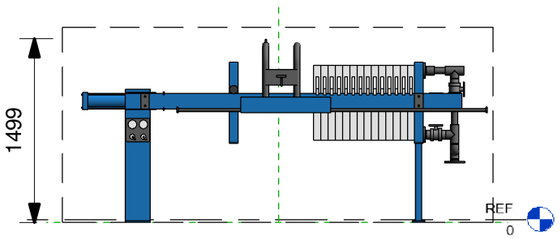
CATEGORY **Mechanical Equipment**

LOD-G **300**

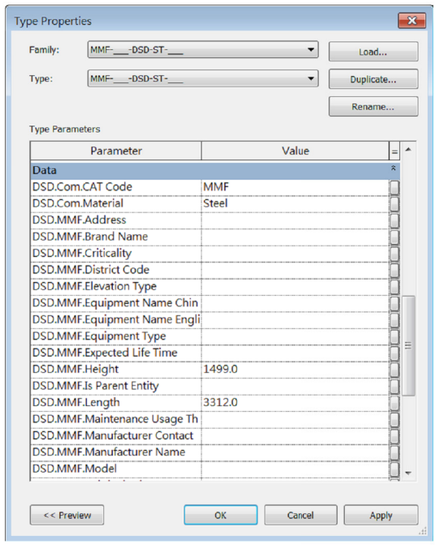




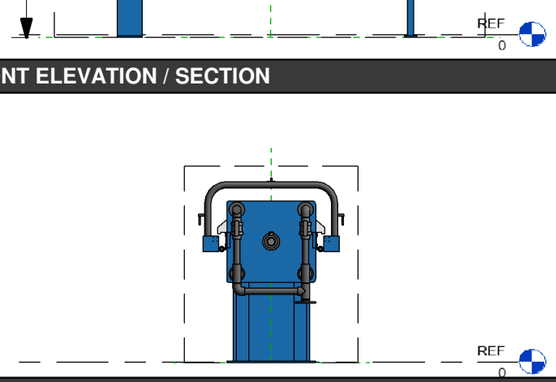
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

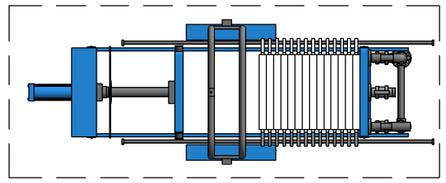
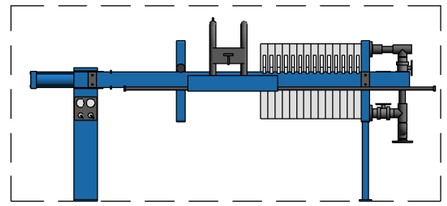
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Membrane Filter Press Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MMF	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

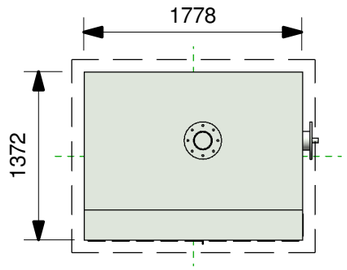
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2086**
	DATE **07-2020**	
	REVISION **0**	

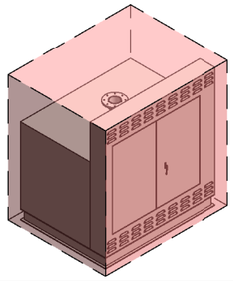
INPUT

Object Name **MBO-___-DSD-ST-___**

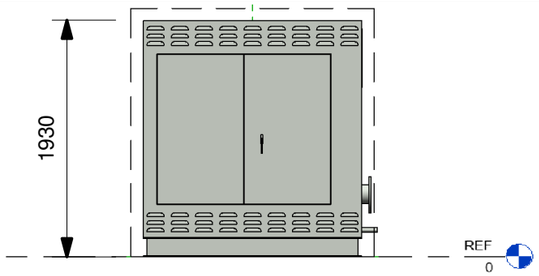
CATEGORY **Mechanical Equipment**

LOD-G **300**

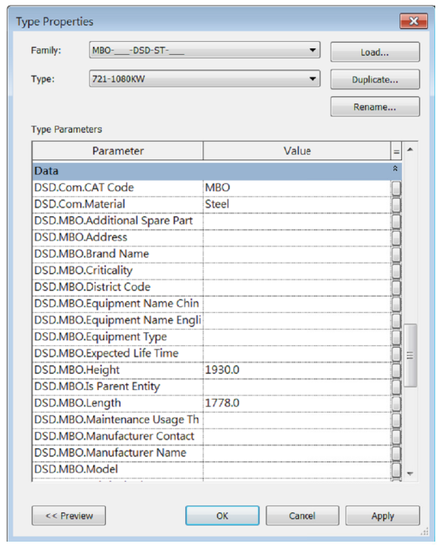




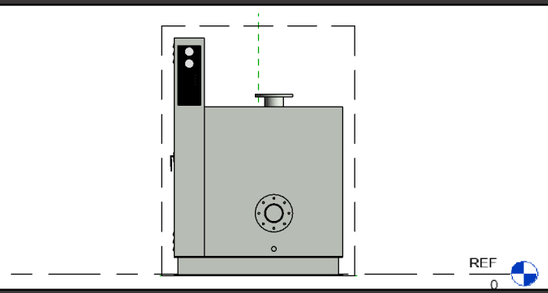
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

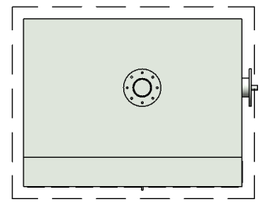
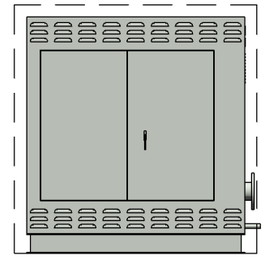
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Boiler Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MBO	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

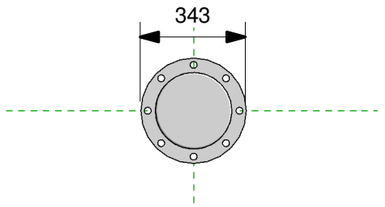
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2087**
	DATE **07-2020**	
	REVISION **0**	

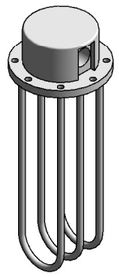
INPUT

Object Name **MHA-___-DSD-SS-___**

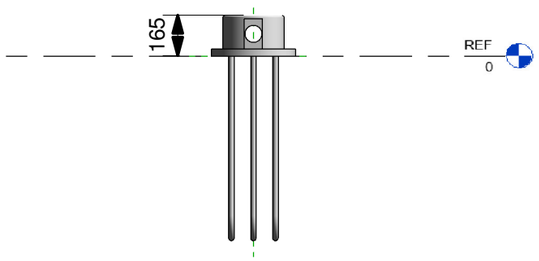
CATEGORY **Mechanical Equipment**

LOD-G **300**

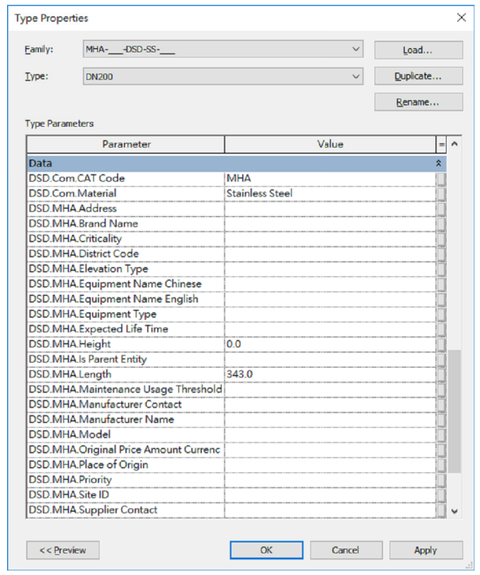




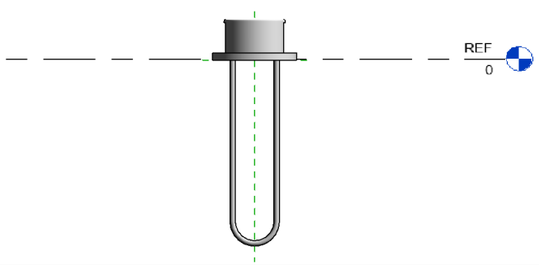
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

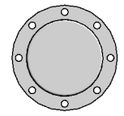
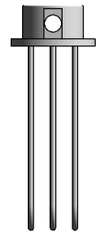
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Heater Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
MHA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

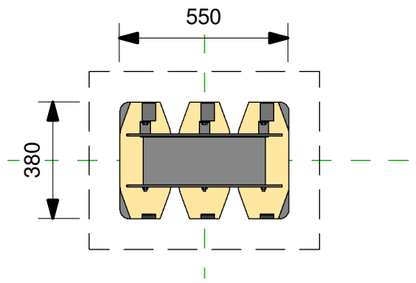
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2301**
	DATE **05-2020**	
	REVISION **0**	

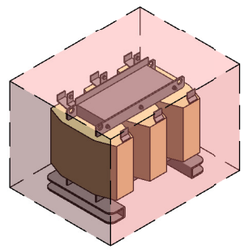
INPUT

Object Name **ETR-LV_-DSD-CU-___**

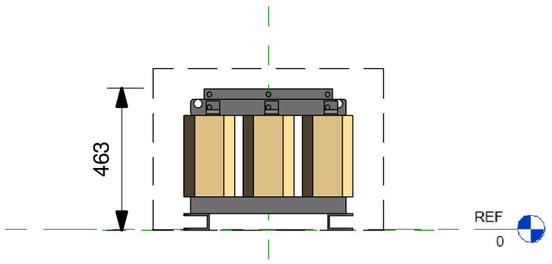
CATEGORY **Electrical Equipment**

LOD-G **300**

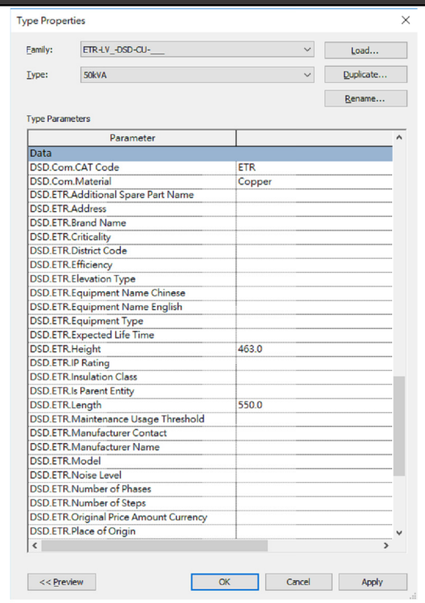




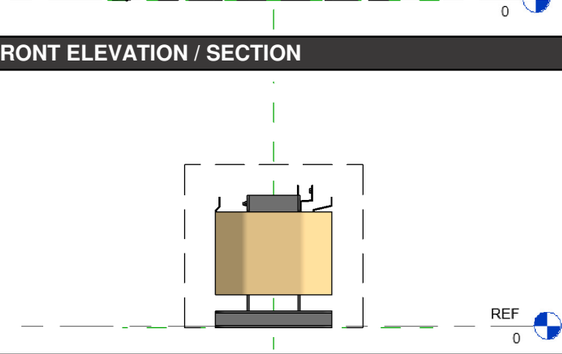
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

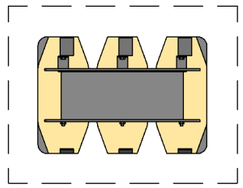
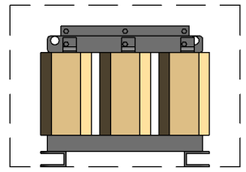
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transformer Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ETR	01/04/2019	01/04/2019	Copper

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Drainage Services Department

BIM OBJECT SHEET

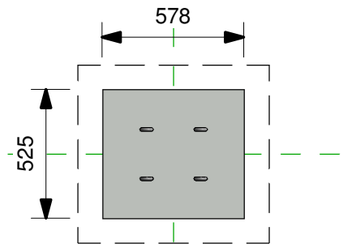
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2302**
	DATE **05-2020**	
	REVISION **0**	

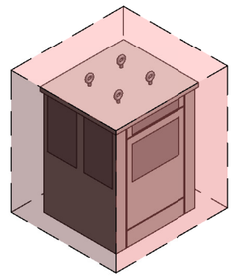
INPUT

Object Name **ETR-LV_-DSD-CU-Enclosured**

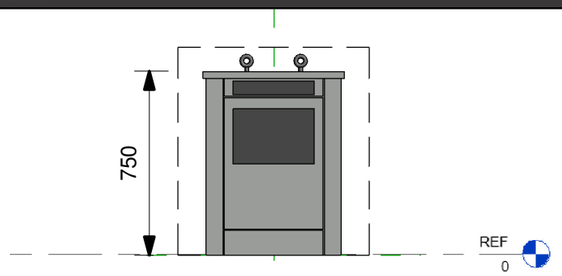
CATEGORY **Electrical Equipment**

LOD-G **300**

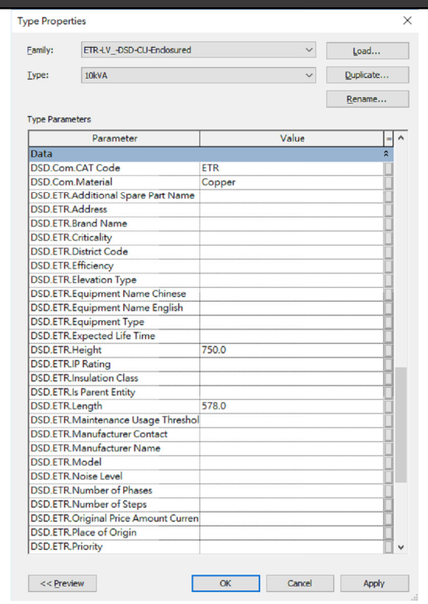




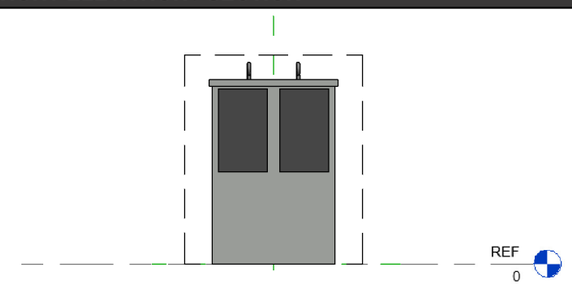
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

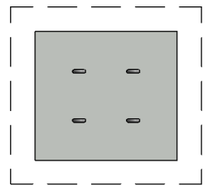
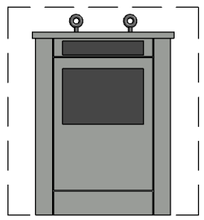
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transformer Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ETR	01/04/2019	01/04/2019	Copper

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Drainage Services Department

BIM OBJECT SHEET

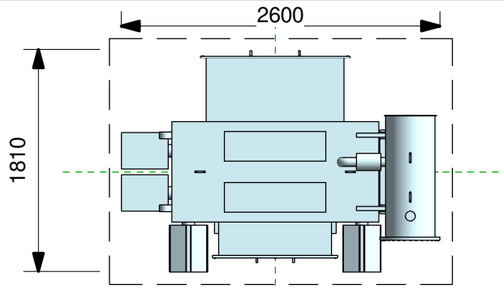
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2303**
	DATE **07-2020**	
	REVISION **0**	

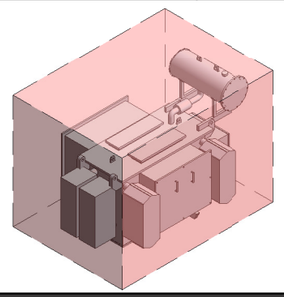
INPUT

Object Name **ETR-HV_-DSD-CU-___**

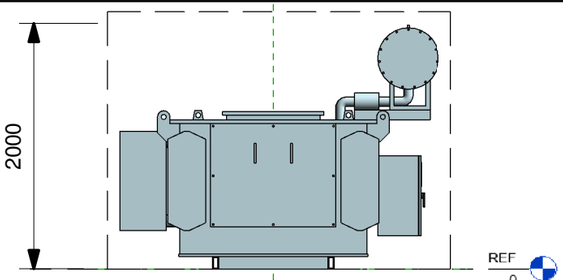
CATEGORY **Electrical Equipment**

LOD-G **300**

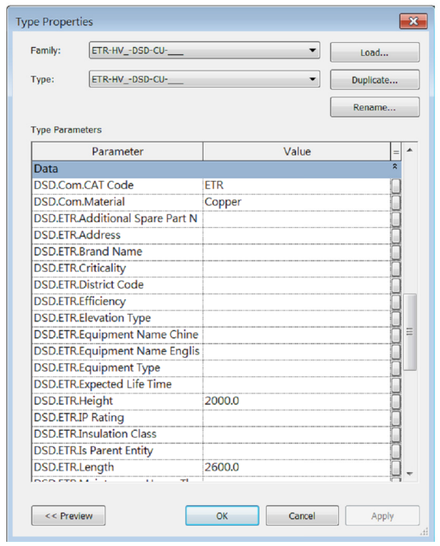




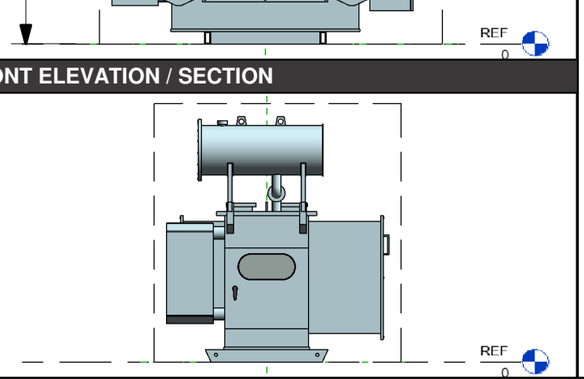
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

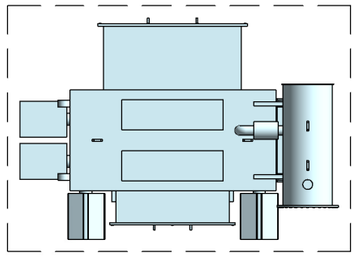
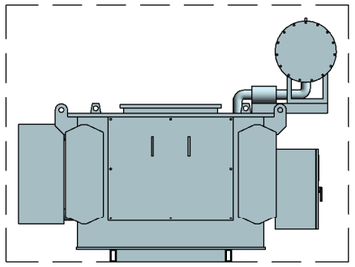
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transformer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ETR	01/04/2019	01/04/2019	Copper

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Drainage Services Department

BIM OBJECT SHEET

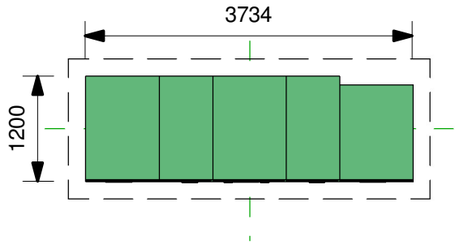
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2304**
	DATE **05-2020**	
	REVISION **0**	

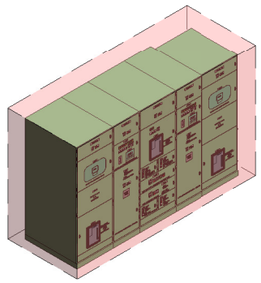
INPUT

Object Name **ESB-LV_-DSD-MS-___**

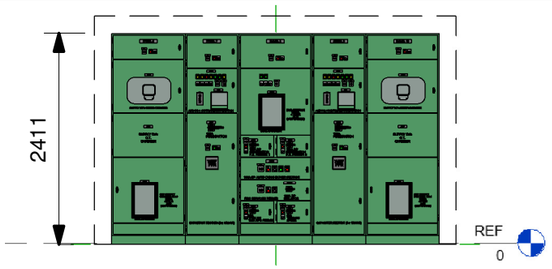
CATEGORY **Electrical Equipment**

LOD-G **300**

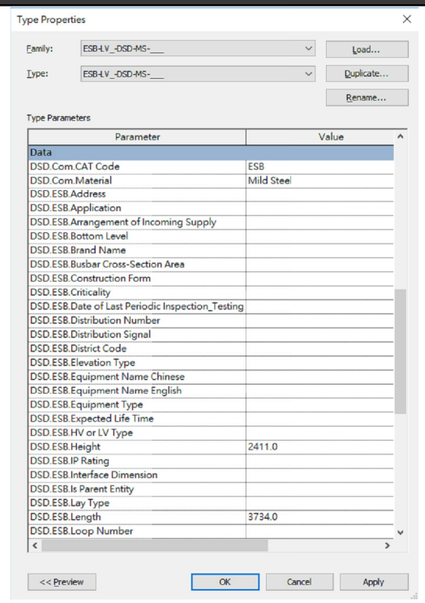




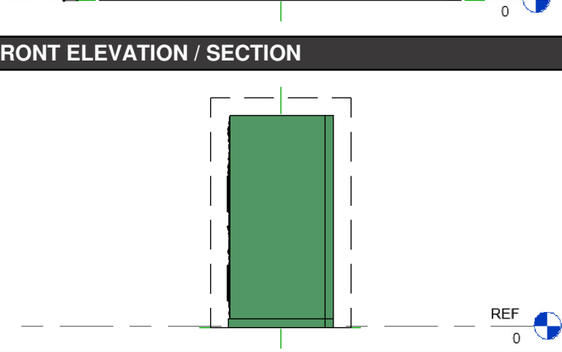
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

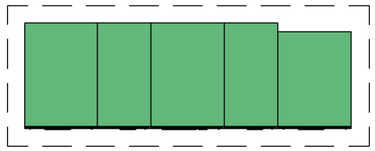
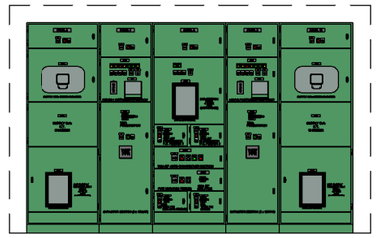
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Switchboard Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ESB	01/04/2019	01/04/2019	Mild Steel

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Drainage Services Department

BIM OBJECT SHEET

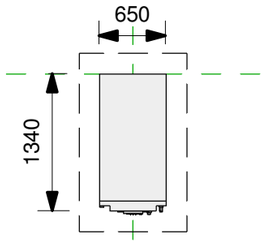
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2305**
	DATE **07-2020**	
	REVISION **0**	

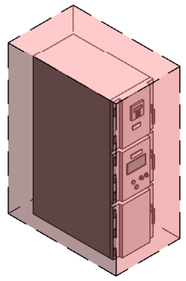
INPUT

Object Name **ESB-HV_-DSD-MS-___**

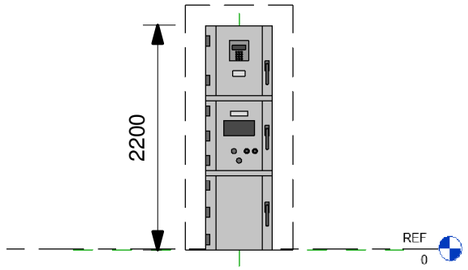
CATEGORY **Electrical Equipment**

LOD-G **300**

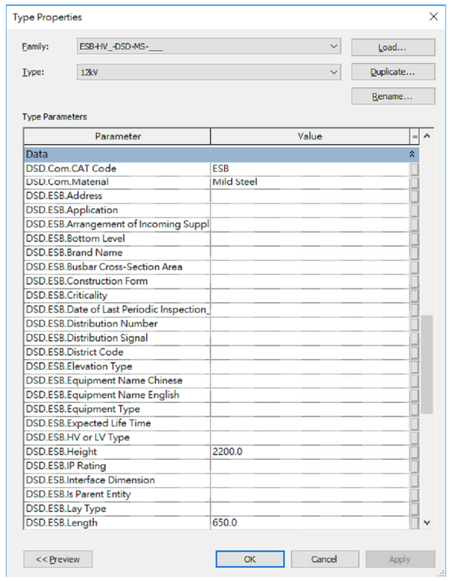




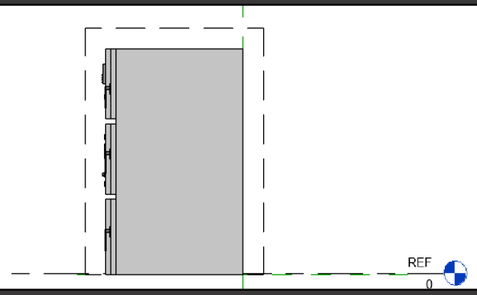
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

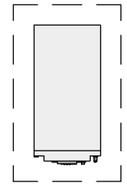
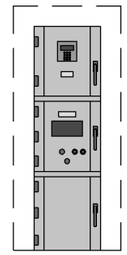
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Switchboard Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ESB	01/04/2019	01/04/2019	Mild Steel

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Drainage Services Department

BIM OBJECT SHEET

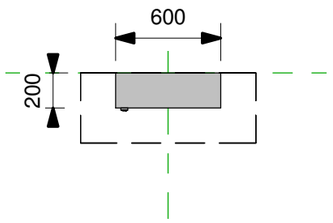
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2306**
	DATE **05-2020**	
	REVISION **0**	

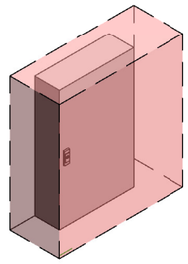
INPUT

Object Name **EDB-MCC-DSD-GS-___**

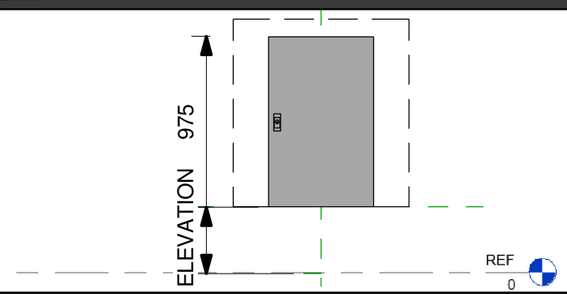
CATEGORY **Electrical Equipment**

LOD-G **300**

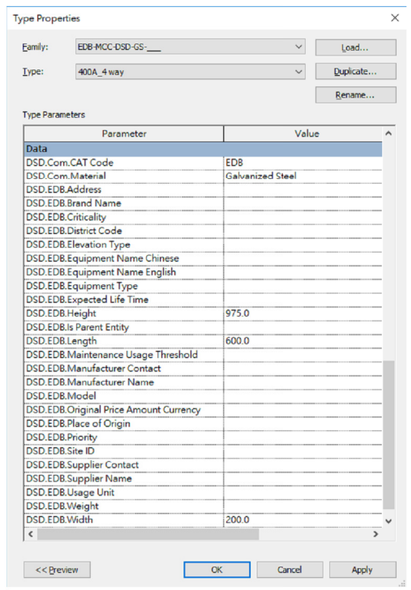




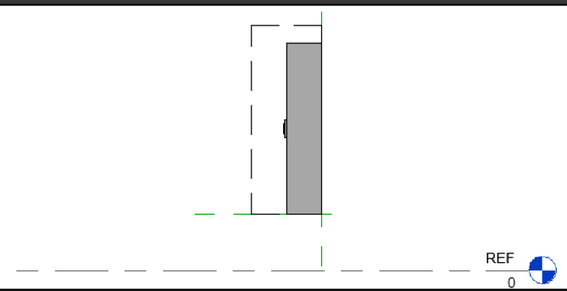
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EDB / DI_EDB

2D SYMBOL

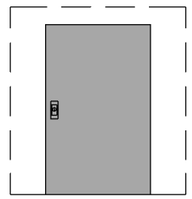
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Distribution Board Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EDB	01/04/2019	01/04/2019	Galvanized Steel

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Drainage Services Department

BIM OBJECT SHEET

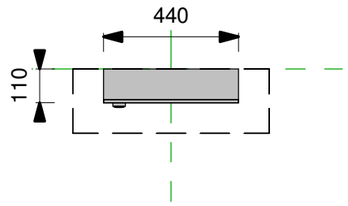
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2307**
	DATE **05-2020**	
	REVISION **0**	

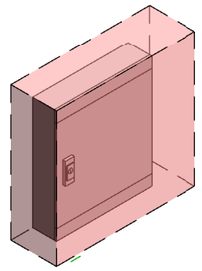
INPUT

Object Name **EDB-TMC-DSD-GS-___**

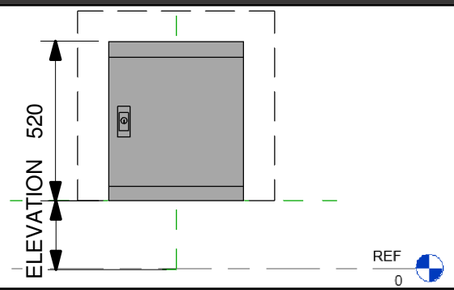
CATEGORY **Electrical Equipment**

LOD-G **300**

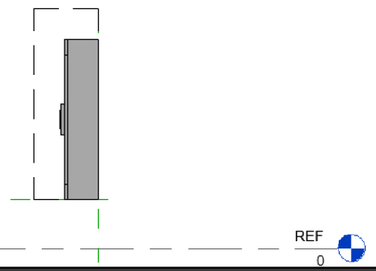




PLAN

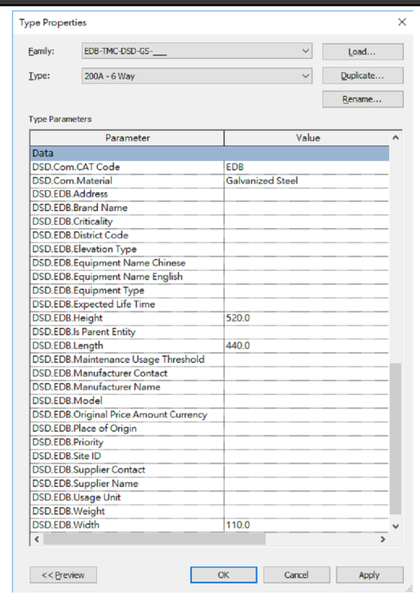


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EDB / DI_EDB

2D SYMBOL

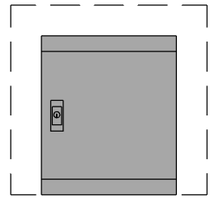
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Distribution Board Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EDB	01/04/2019	01/04/2019	Galvanized Steel

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Drainage Services Department

BIM OBJECT SHEET

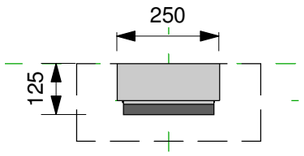
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2308**
	DATE **07-2020**	
	REVISION **0**	

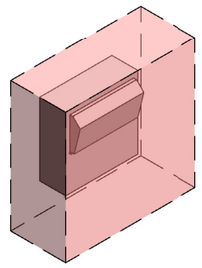
INPUT

Object Name **EDB-SMC-DSD-GS-___**

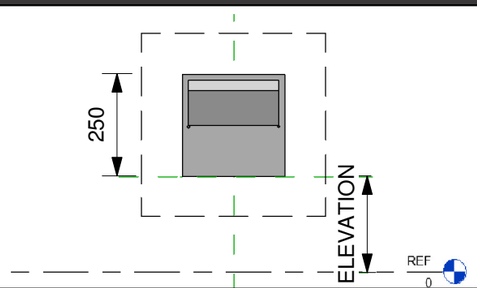
CATEGORY **Electrical Equipment**

LOD-G **300**

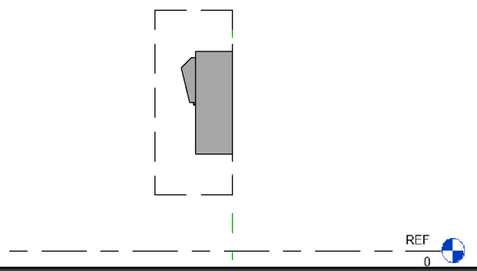




PLAN

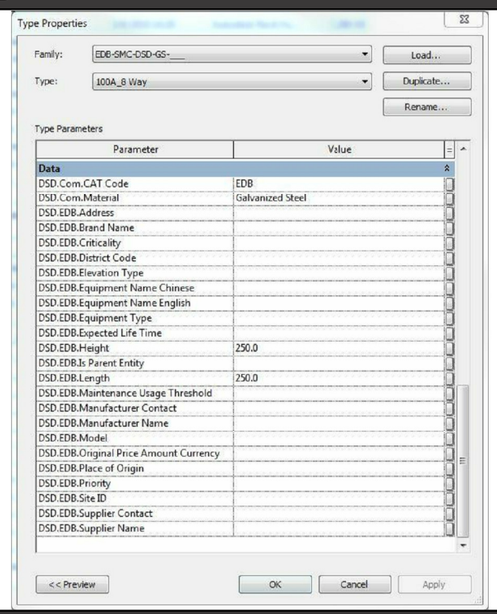


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EDB / DI_EDB

2D SYMBOL

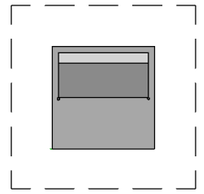
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Distribution Broad Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EDB	01/04/2019	01/04/2019	Galvanized Steel

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BIM OBJECT SHEET

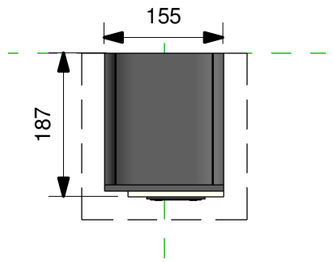
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2309**
	DATE **07-2020**	
	REVISION **0**	

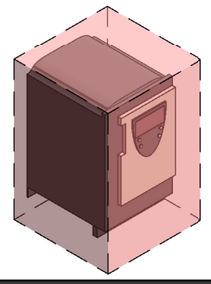
INPUT

Object Name **EVS-___-DSD-SS-Wall_A**

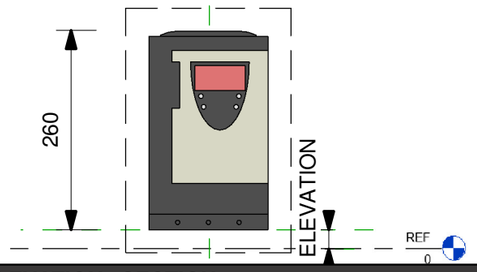
CATEGORY **Electrical Equipment**

LOD-G **300**

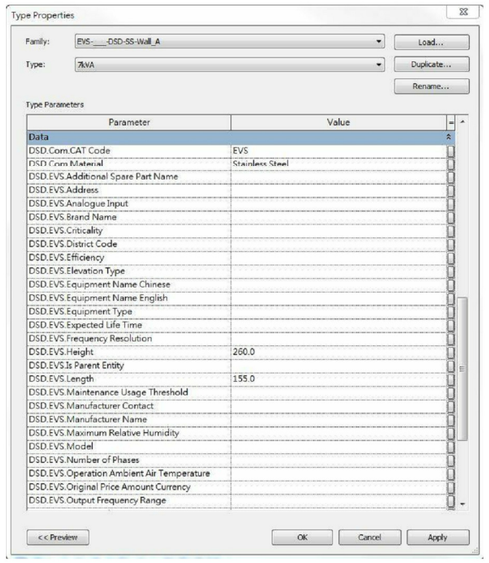




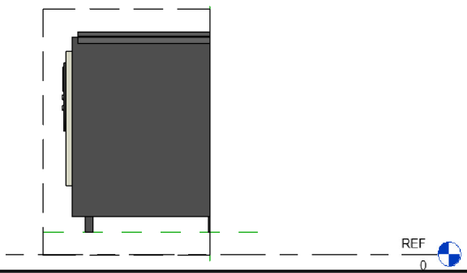
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EVS / DI_EVS

VSD

2D SYMBOL

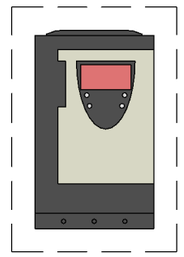
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
VSD		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Variable Speed Drive Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EVS	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

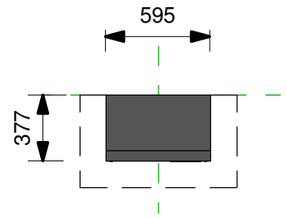
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2310**
	DATE **07-2020**	
	REVISION **0**	

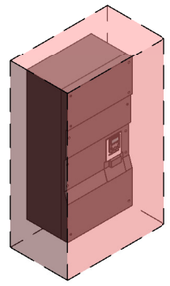
INPUT

Object Name **EVS-___-DSD-SS-Wall_B**

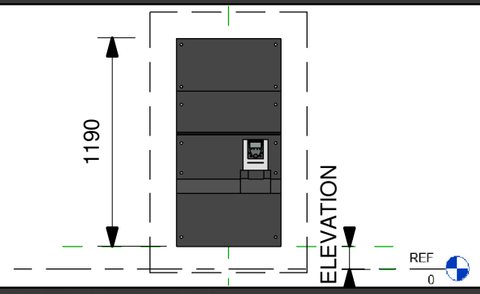
CATEGORY **Electrical Equipment**

LOD-G **300**

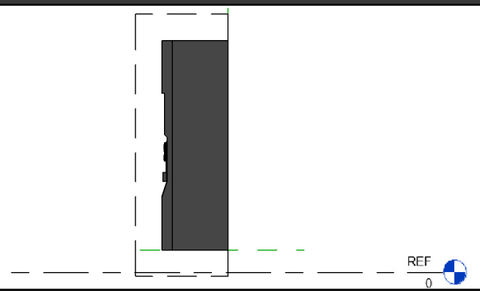




PLAN

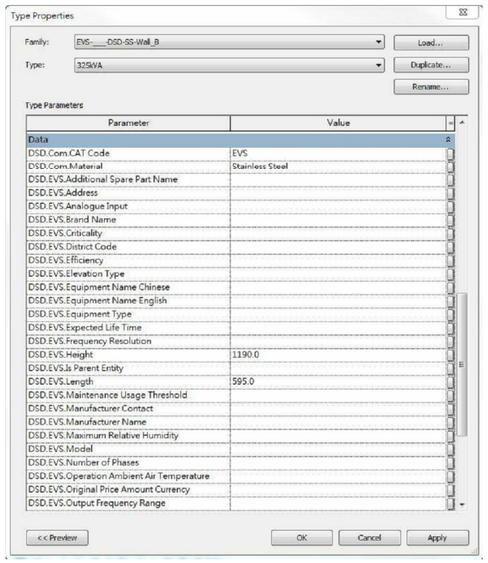


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EVS / DI_EVS

VSD

2D SYMBOL

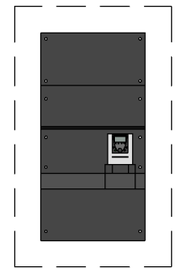
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
VSD		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Variable Speed Drive Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EVS	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

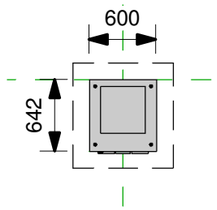
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2311**
	DATE **07-2020**	
	REVISION **0**	

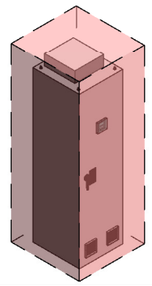
INPUT

Object Name **EVS-___-DSD-SS-Floor**

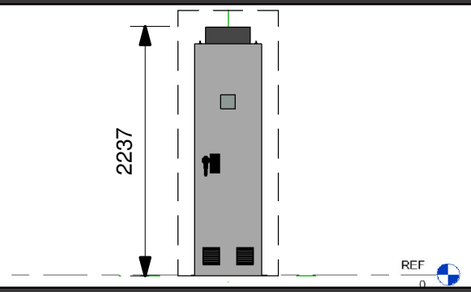
CATEGORY **Electrical Equipment**

LOD-G **300**

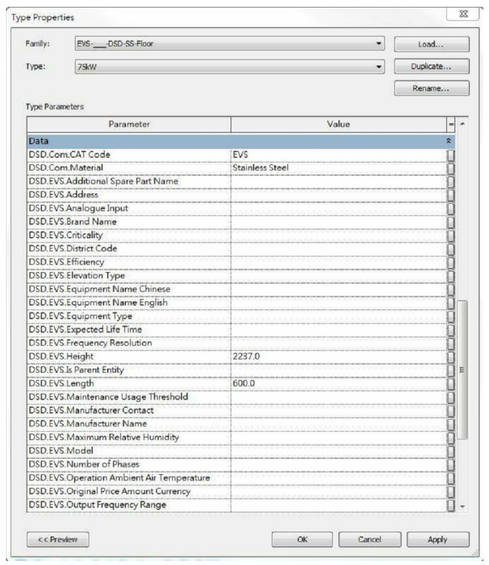




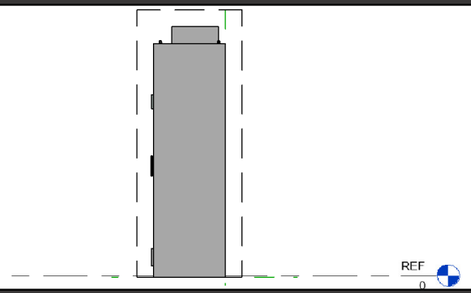
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EVS / DI_EVS

VSD

2D SYMBOL

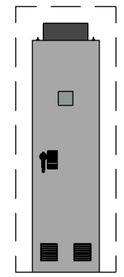
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
VSD		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Variable Speed Drive Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EVS	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

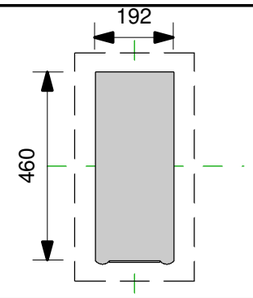
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2312**
	DATE **05-2020**	
	REVISION **0**	

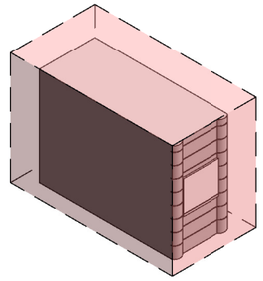
INPUT

Object Name **EUP-___-DSD-AL-1to10kVA**

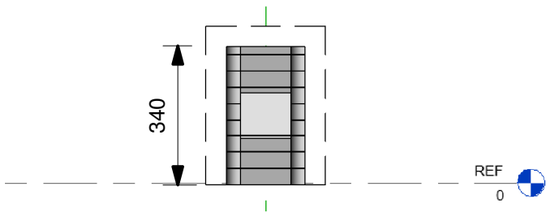
CATEGORY **Electrical Equipment**

LOD-G **300**

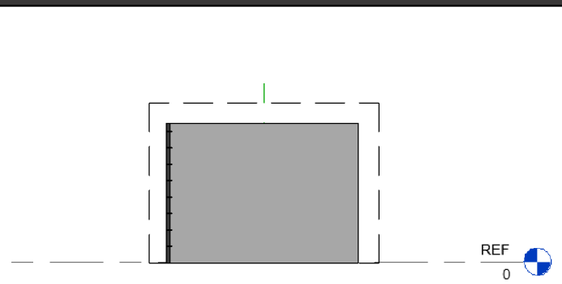




PLAN

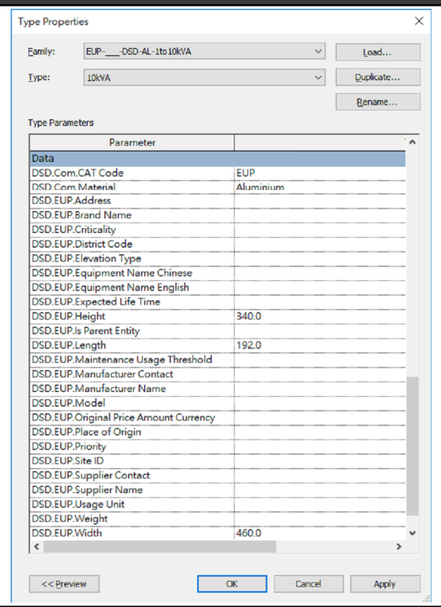


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EUP / DI_EUP

UPS

2D SYMBOL

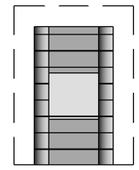
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
UPS		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Uninterrupted Power Supply Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EUP	01/04/2019	01/04/2019	Aluminium

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Drainage Services Department

BIM OBJECT SHEET

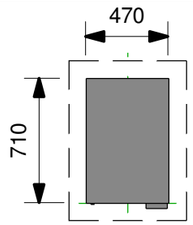
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2313**
	DATE **05-2020**	
	REVISION **0**	

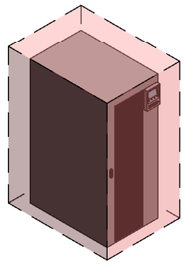
INPUT

Object Name **EUP-___-DSD-AL-20to80kVA**

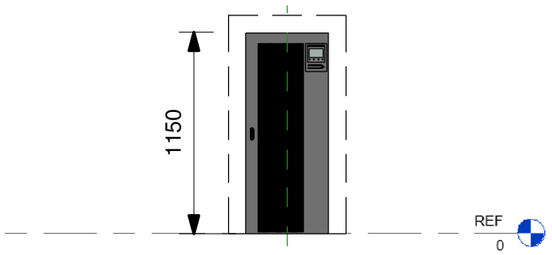
CATEGORY **Electrical Equipment**

LOD-G **300**

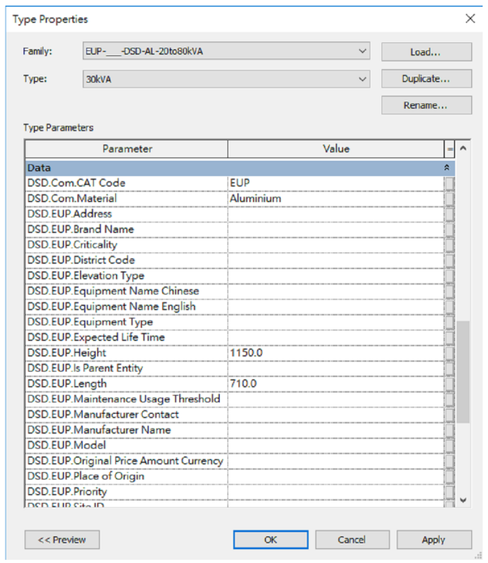




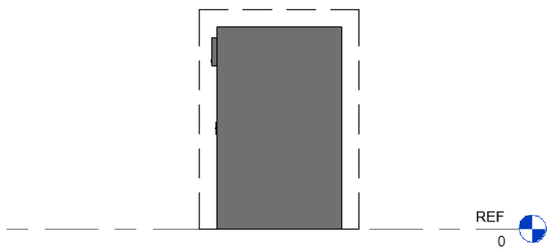
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EUP / DI_EUP

UPS

2D SYMBOL

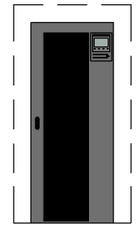
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
UPS		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Uninterrupted Power Supply Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EUP	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

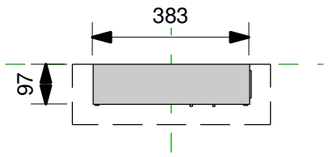
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2314**
	DATE **07-2020**	
	REVISION **0**	

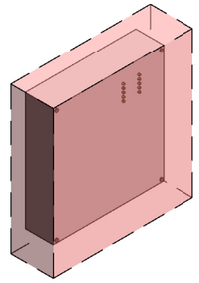
INPUT

Object Name **EBC-___-DSD-ME-Wall**

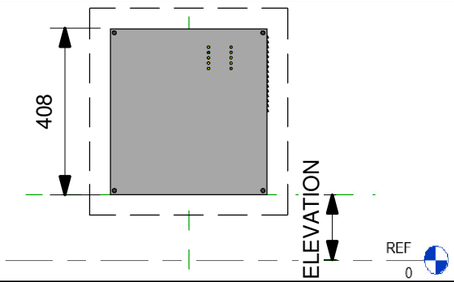
CATEGORY **Electrical Equipment**

LOD-G **300**

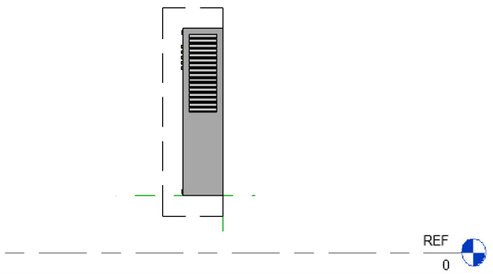




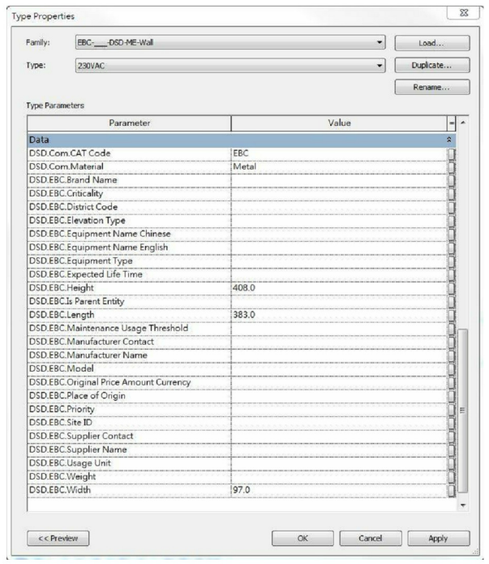
PLAN



FRONT ELEVATION / SECTION



3D



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EBC / DI_EBC

B

2D SYMBOL

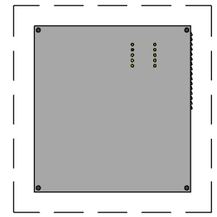
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
B		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Battery & Charger Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EBC	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

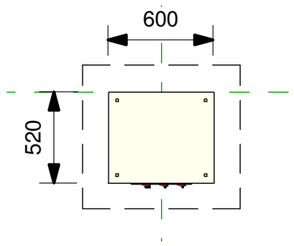
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2315**
	DATE **07-2020**	
	REVISION **0**	

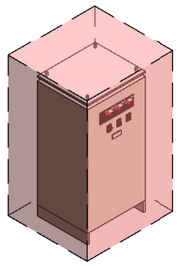
INPUT

Object Name **EBC-___-DSD-ME-Floor**

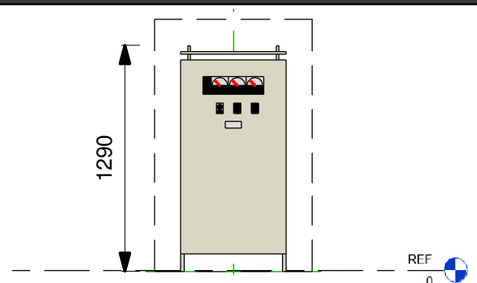
CATEGORY **Electrical Equipment**

LOD-G **300**

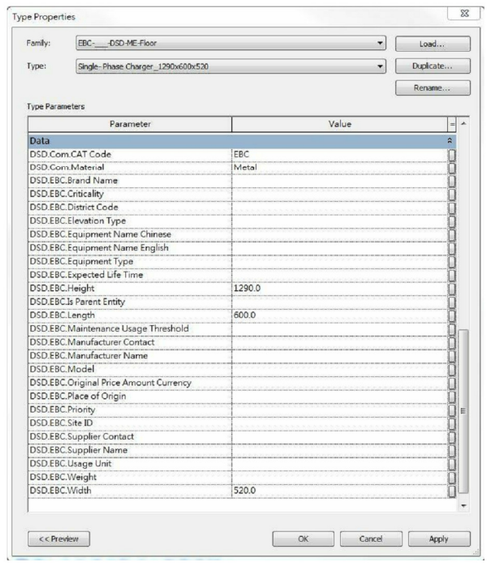




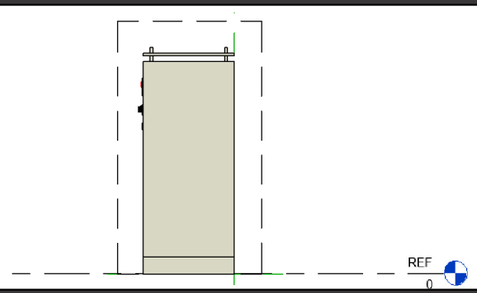
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EBC / DI_EBC

B

2D SYMBOL

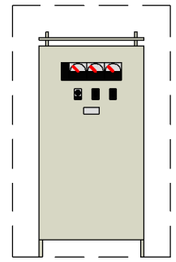
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
B		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Battery & Charger Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EBC	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

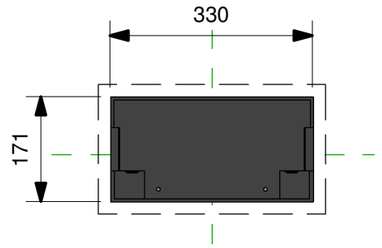
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2316**
	DATE **07-2020**	
	REVISION **0**	

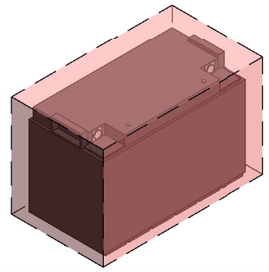
INPUT

Object Name **EBT-___-DSD-ME-___**

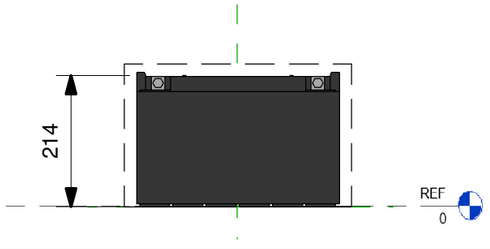
CATEGORY **Electrical Equipment**

LOD-G **300**

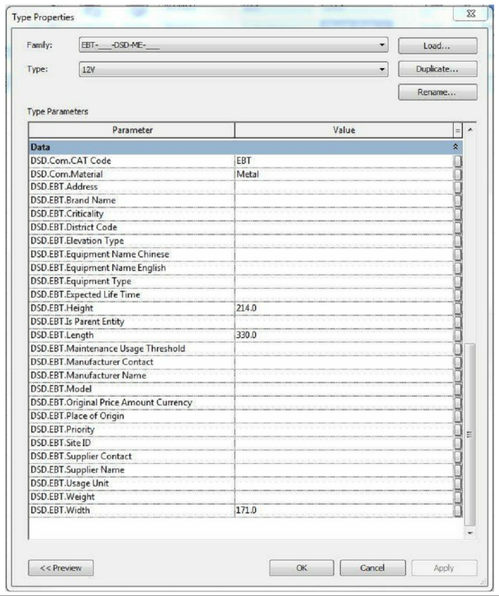




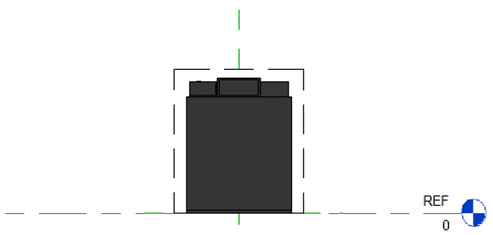
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

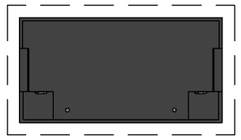
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Battery Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EBT	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

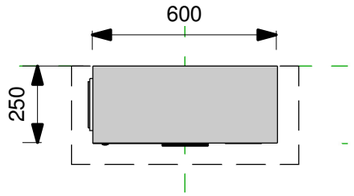
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2317**
	DATE **07-2020**	
	REVISION **0**	

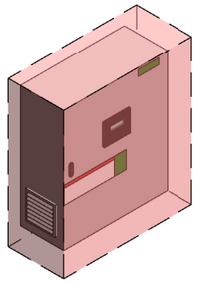
INPUT

Object Name **EPC-___-DSD-ME-Wall**

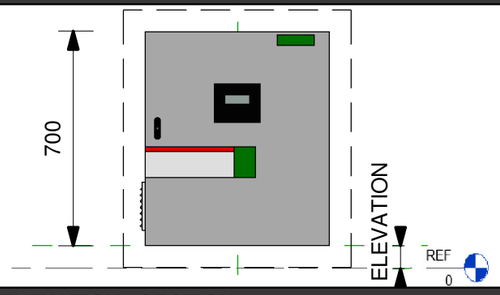
CATEGORY **Electrical Equipment**

LOD-G **300**

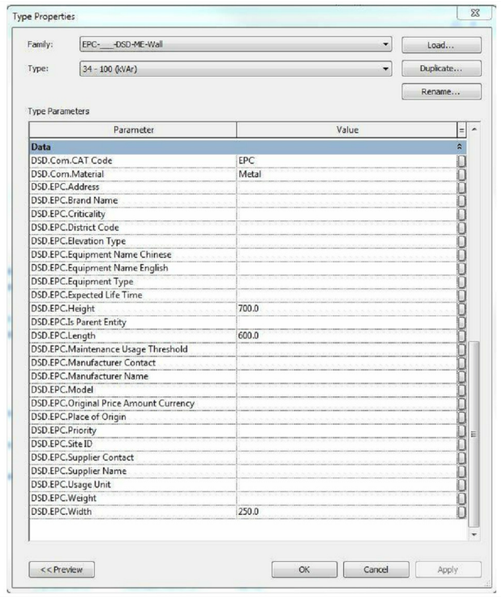




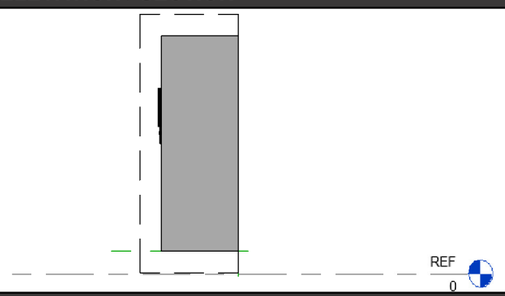
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EPC / DI_EPC

PF

2D SYMBOL

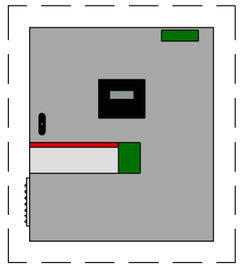
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
PF		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Power Factor Correction Capacitors and Controller Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EPC	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

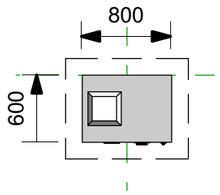
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **07-2020**	**DSD-OS-2318**
	REVISION **0**	

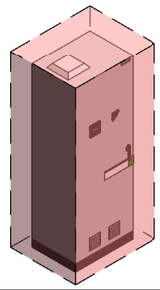
INPUT

Object Name **EPC-___-DSD-ME-Floor**

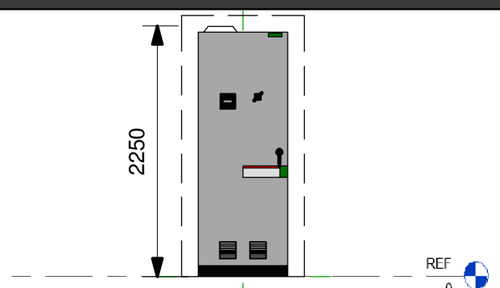
CATEGORY **Electrical Equipment**

LOD-G **300**

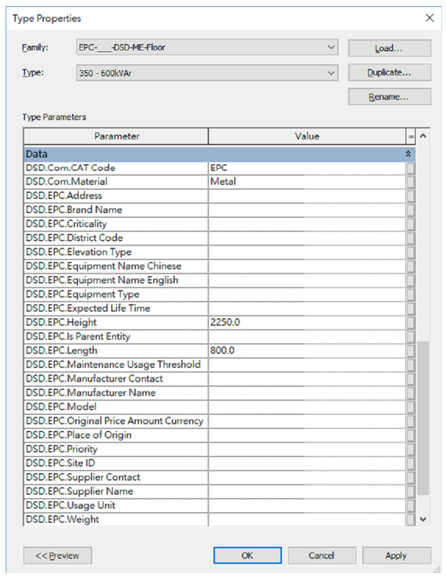




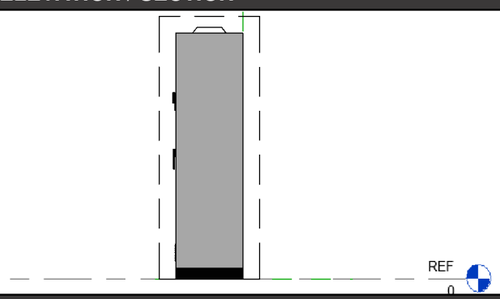
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EPC / DI_EPC

PF

2D SYMBOL

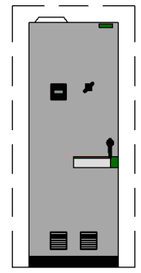
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
PF		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Power Factor Correction Capacitors and Controller Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EPC	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

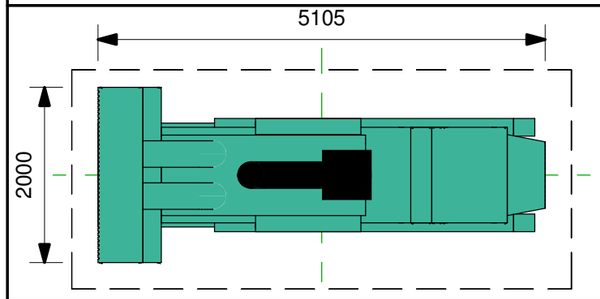
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2319**
	DATE **05-2020**	
	REVISION **0**	

INPUT

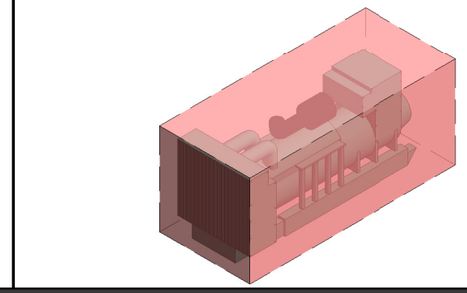
Object Name **EGE-DIE-DSD-ME-___**

CATEGORY **Electrical Equipment**

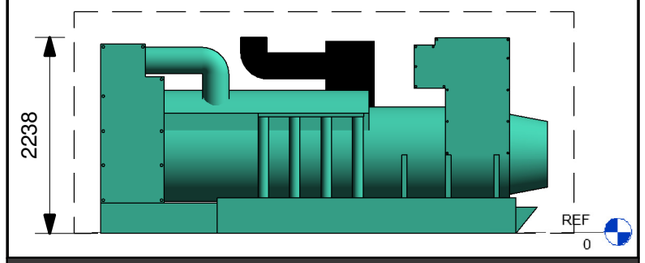
LOD-G **300**



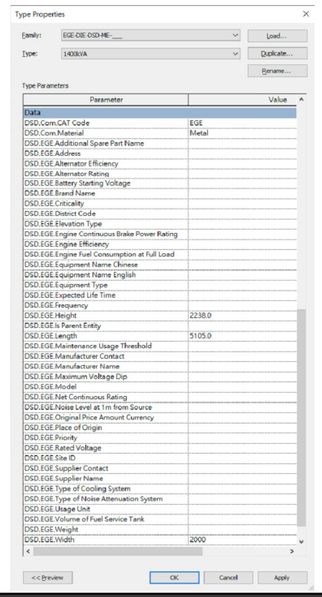
PLAN

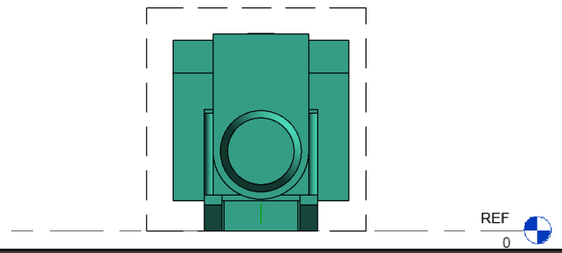


3D



FRONT ELEVATION / SECTION





SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

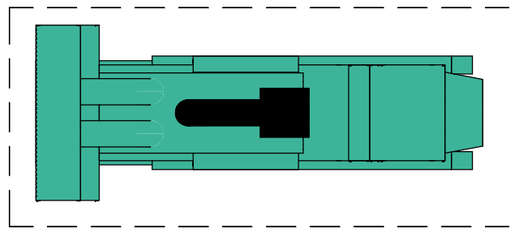
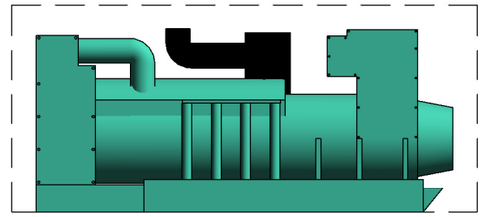
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Generator Set Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EGE	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

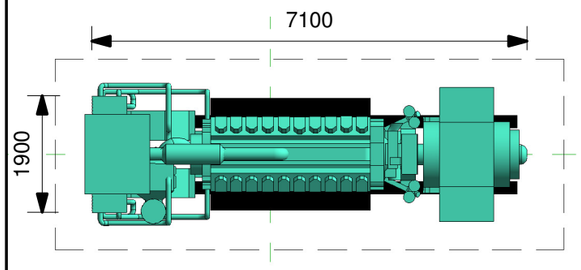
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2320**
	DATE **07-2020**	
	REVISION **0**	

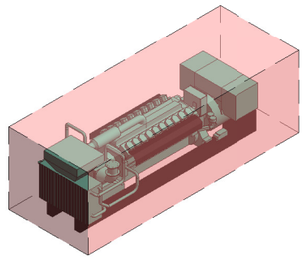
INPUT

Object Name **EGE-CHP-DSD-ME-___**

CATEGORY **Electrical Equipment**

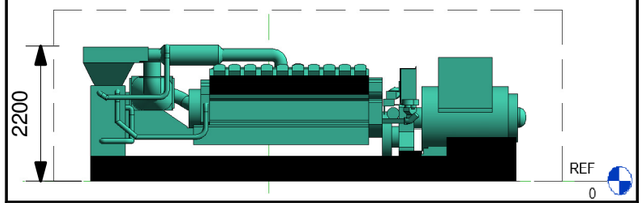
LOD-G **300**

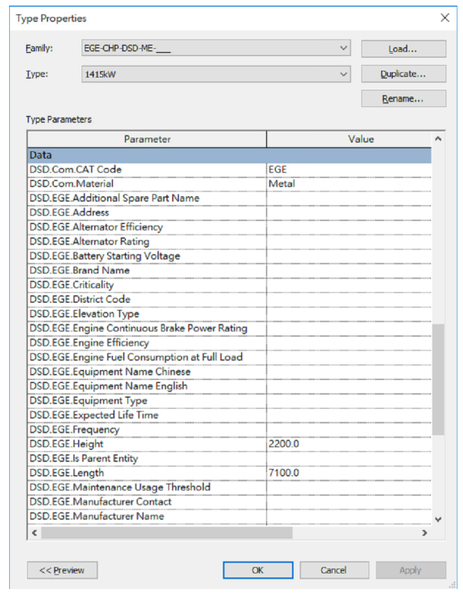




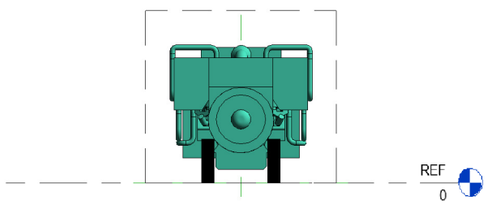
PLAN

3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

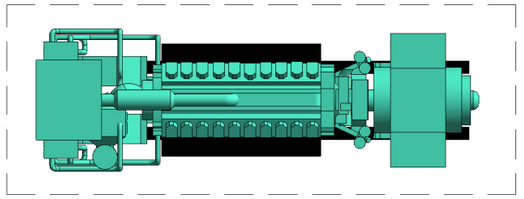
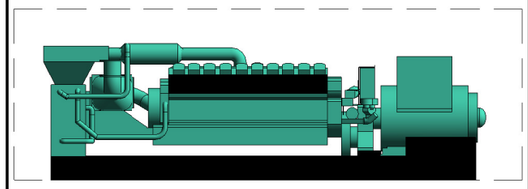
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Generator Set Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EGE	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

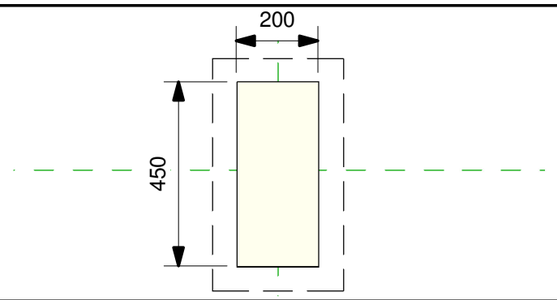
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2321**
	DATE **07-2020**	
	REVISION **0**	

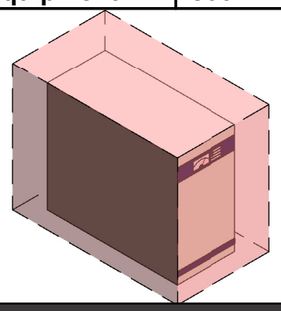
INPUT

Object Name **EAV-SIN-DSD-ME-___**

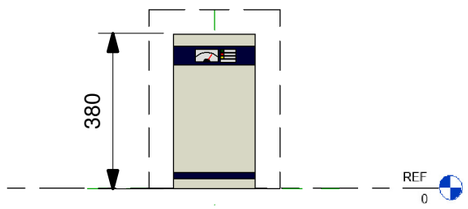
CATEGORY **Electrical Equipment**

LOD-G **300**

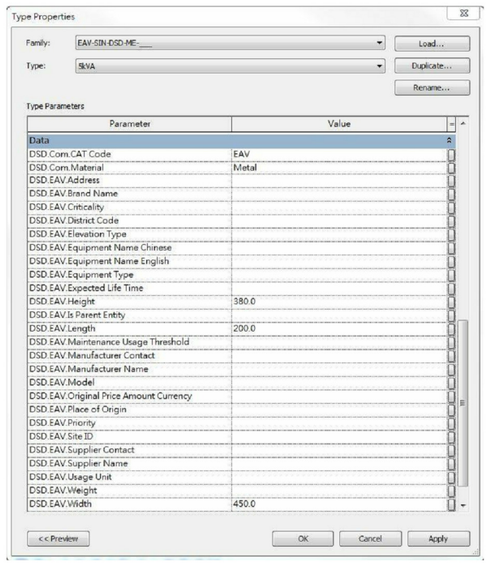




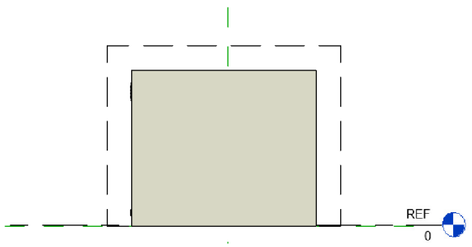
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

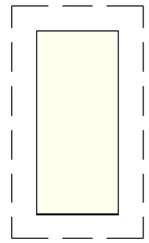
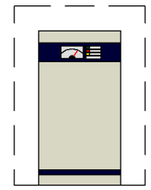
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Auto Voltage Regulator Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EAV	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

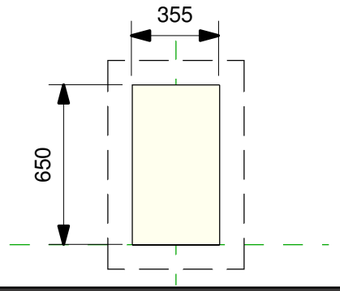
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2322**
	DATE **07-2020**	
	REVISION **0**	

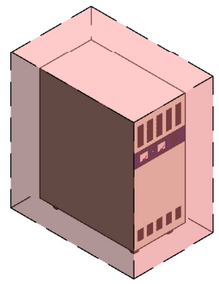
INPUT

Object Name **EAV-3PH-DSD-ME-___**

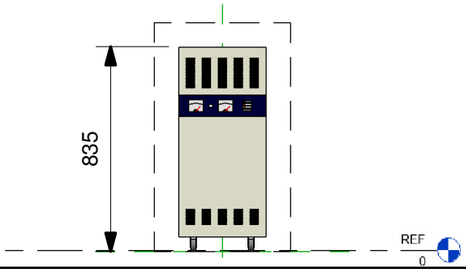
CATEGORY **Electrical Equipment**

LOD-G **300**

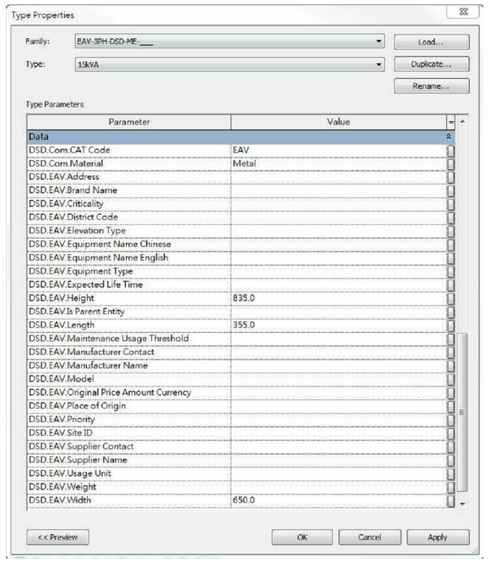




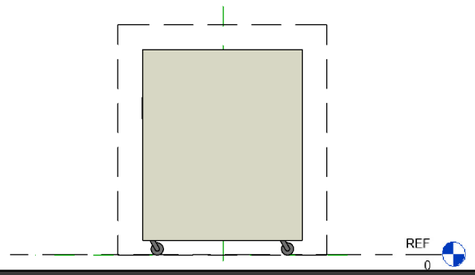
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

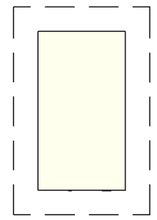
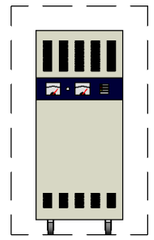
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Auto Voltage Regulator Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EAV	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

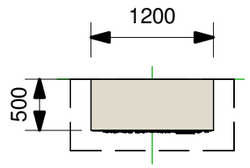
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2323**
	DATE **05-2020**	
	REVISION **0**	

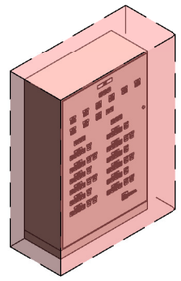
INPUT

Object Name **ECP-___-DSD-SS-___**

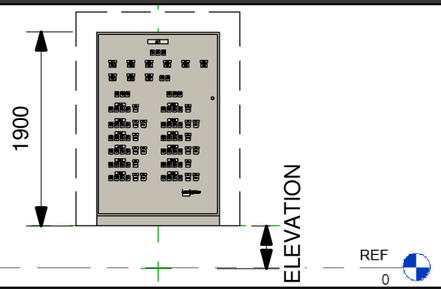
CATEGORY **Electrical Equipment**

LOD-G **300**

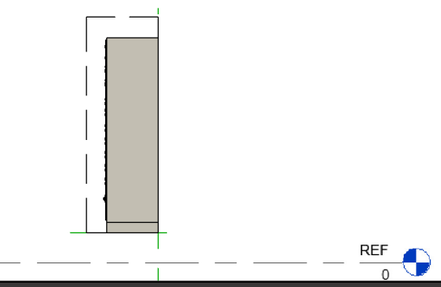




PLAN

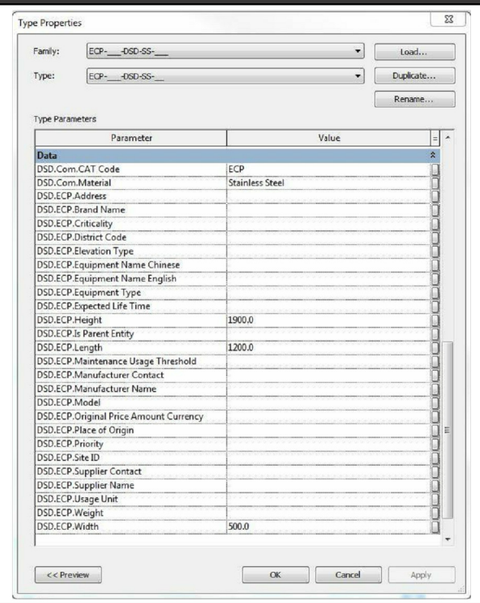


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ECP/ DI_ECP

CP

2D SYMBOL

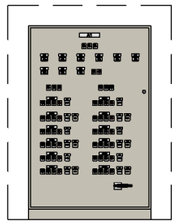
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
CP		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Control Panel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ECP	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

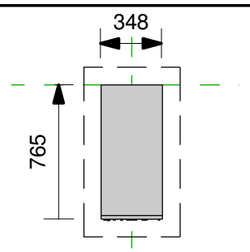
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2324**
	DATE **07-2020**	
	REVISION **0**	

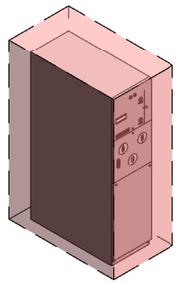
INPUT

Object Name **ERM-___-DSD-SS-___**

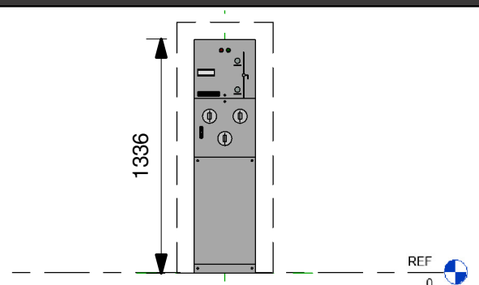
CATEGORY **Electrical Equipment**

LOD-G **300**

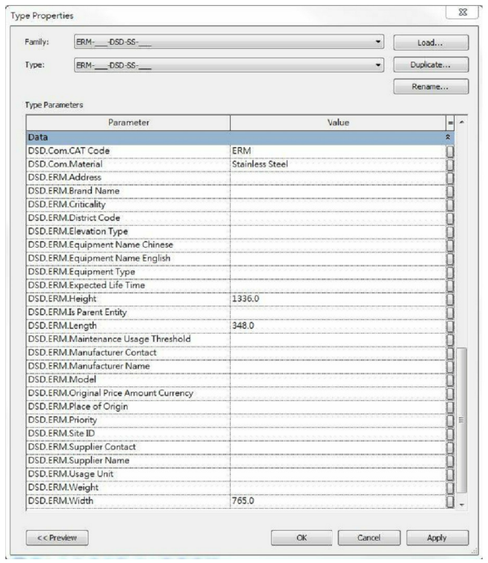




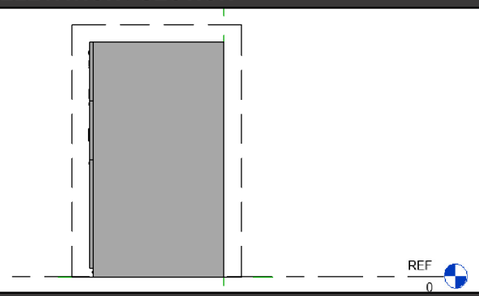
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

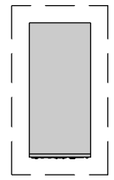
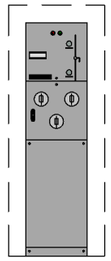
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Ring Main Unit Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ERM	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

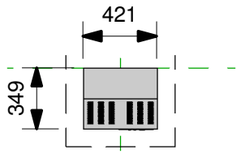
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2325**
	DATE **07-2020**	
	REVISION **0**	

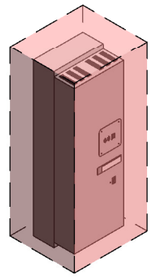
INPUT

Object Name **EHF-___-DSD-ME-Wall_A**

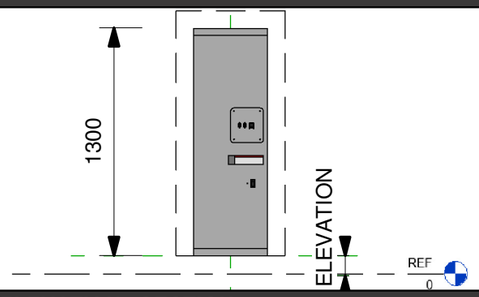
CATEGORY **Electrical Equipment**

LOD-G **300**

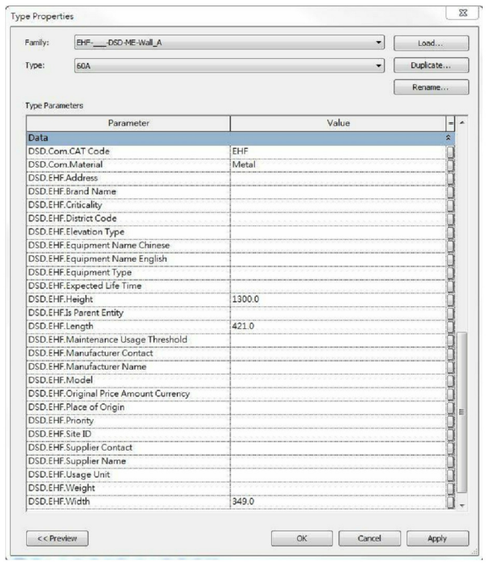




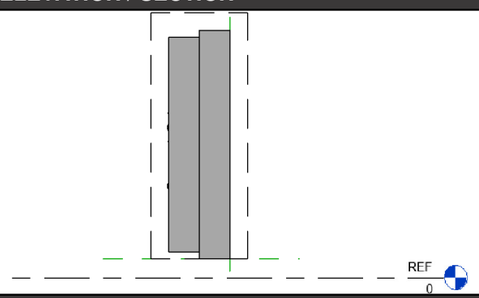
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

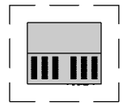
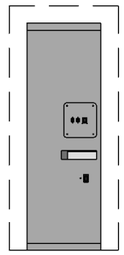
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Harmonic Filter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EHF	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

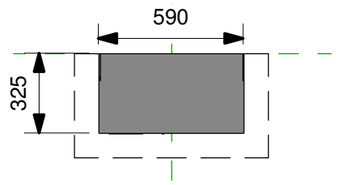
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2326**
	DATE **07-2020**	
	REVISION **0**	

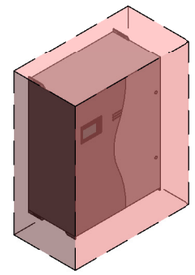
INPUT

Object Name **EHF-___-DSD-ME-Wall_B**

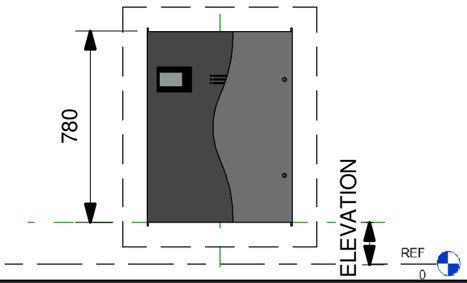
CATEGORY **Electrical Equipment**

LOD-G **300**

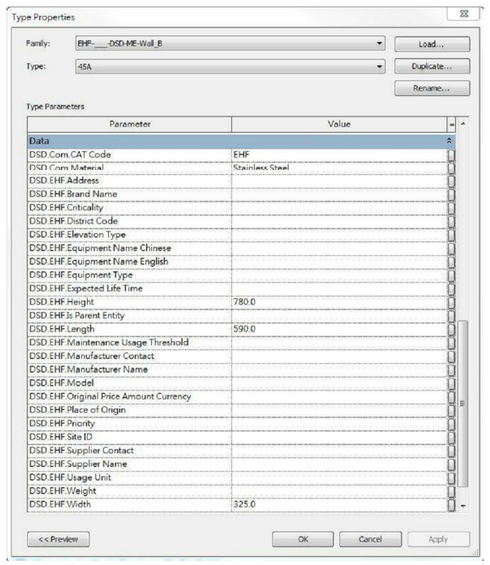




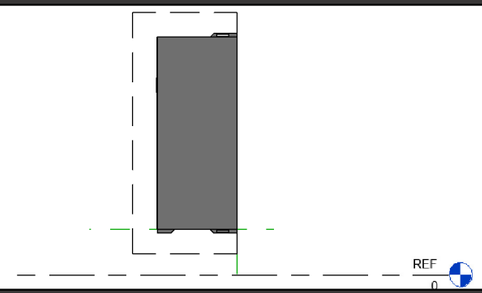
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

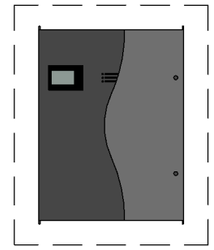
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Harmonic Filter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EHF	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

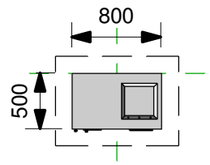
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2327**
	DATE **07-2020**	
	REVISION **0**	

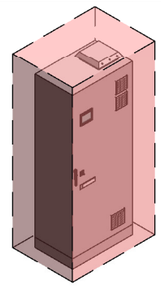
INPUT

Object Name **EHF-___-DSD-ME-Floor**

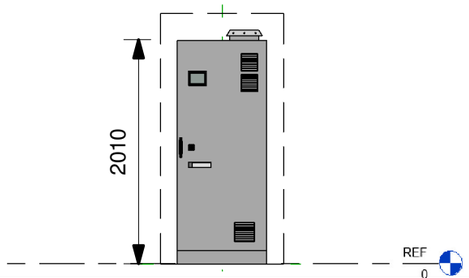
CATEGORY **Electrical Equipment**

LOD-G **300**

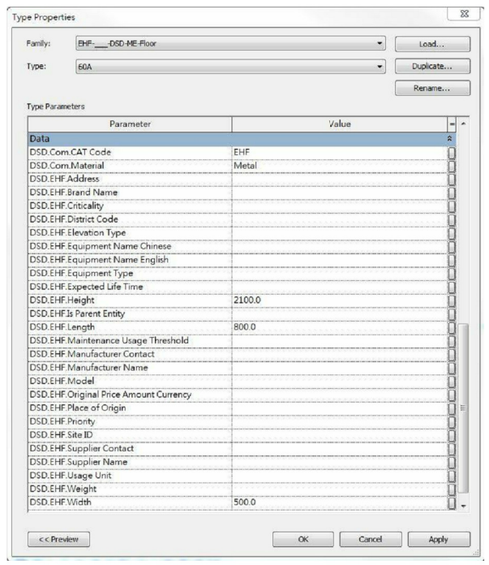




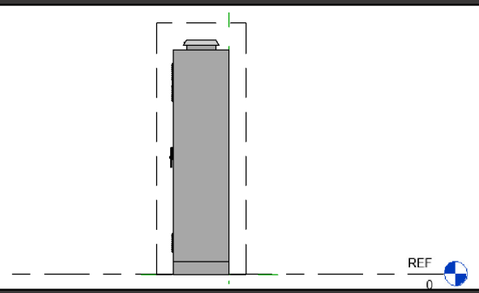
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

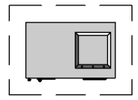
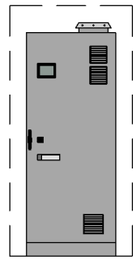
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Harmonic Filter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EHF	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

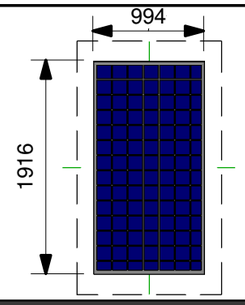
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2328**
	DATE **07-2020**	
	REVISION **0**	

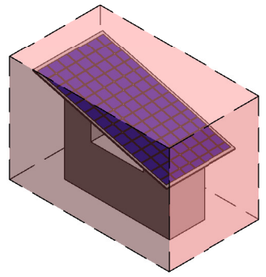
INPUT

Object Name **EPP-___-DSD-MCL-___**

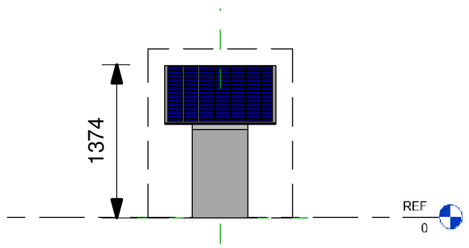
CATEGORY **Electrical Equipment**

LOD-G **300**

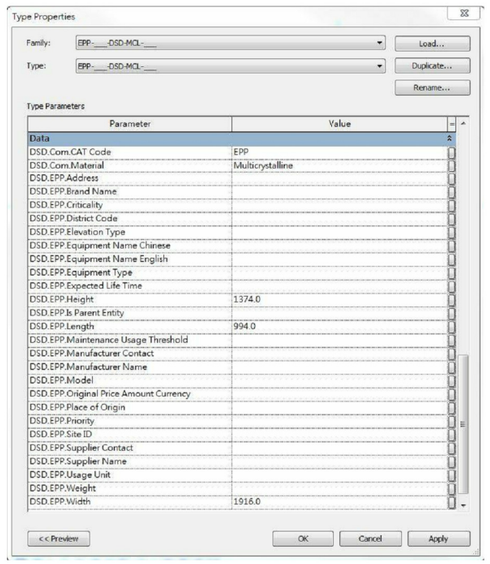




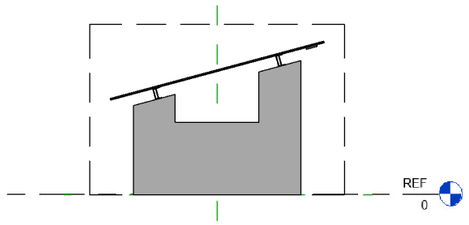
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

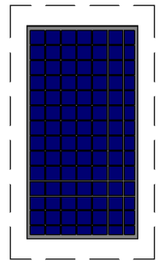
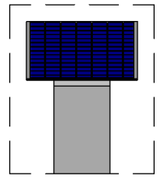
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Photovoltaic Panel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EPP	01/04/2019	01/04/2019	Multicrystalline

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BIM OBJECT SHEET

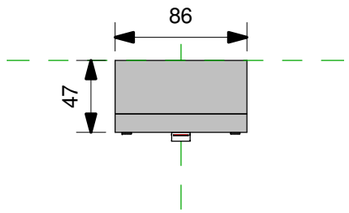
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2329**
	DATE **05-2020**	
	REVISION **0**	

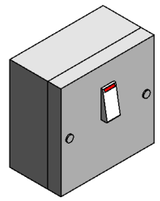
INPUT

Object Name **ESW-DOP-DSD-ABS-___**

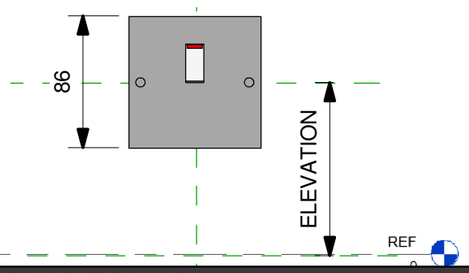
CATEGORY **Electrical Fixtures**

LOD-G **300**

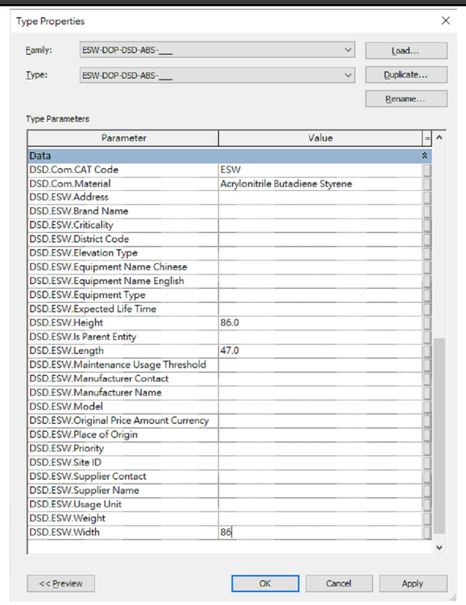




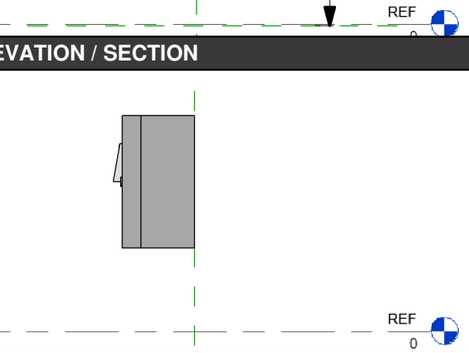
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ESW_DOP/ DI_ESW_DOP

P

2D SYMBOL

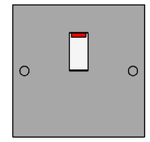
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
P		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Switch Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ESW	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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BIM OBJECT SHEET

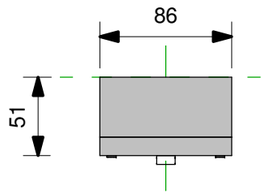
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **05-2020**	**DSD-OS-2330**
	REVISION **0**	

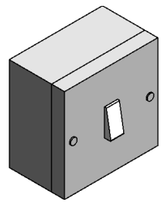
INPUT

Object Name **ESW-LTG-DSD-ABS-___**

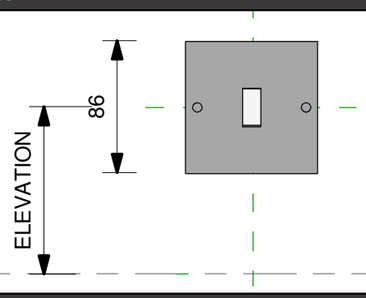
CATEGORY **Lighting Devices**

LOD-G **300**

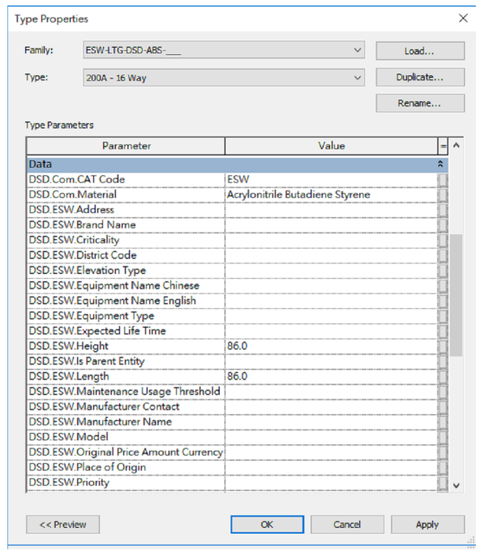




PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ESW_LTG / DI_ESW_LTG

2D SYMBOL

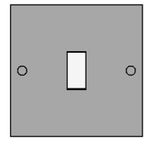
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Switch Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ESW	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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BIM OBJECT SHEET

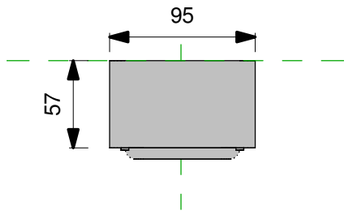
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2331**
	DATE **05-2020**	
	REVISION **0**	

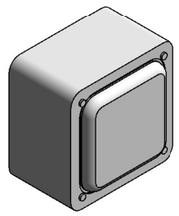
INPUT

Object Name **ESW-LTG-DSD-ABS-WP**

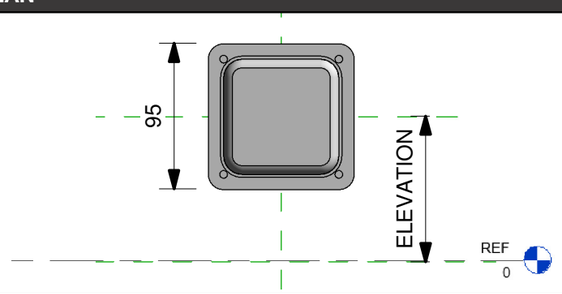
CATEGORY **Lighting Devices**

LOD-G **300**

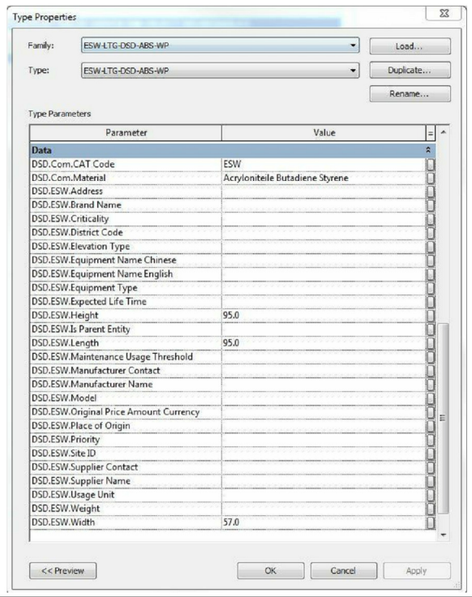




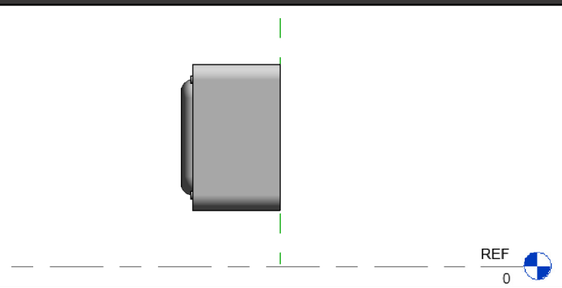
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ESW_LTG_WP/ DI_ESW_LTG_WP

2D SYMBOL

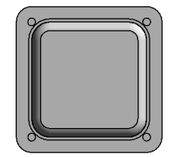
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Switch Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ESW	01/04/2019	01/04/2019	Acryloniteile Butadiene Styrene

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BIM OBJECT SHEET

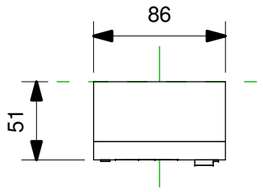
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2332**
	DATE **05-2020**	
	REVISION **0**	

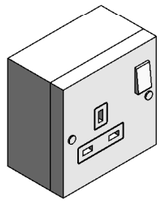
INPUT

Object Name **ESO-SIN-DSD-ABS-___**

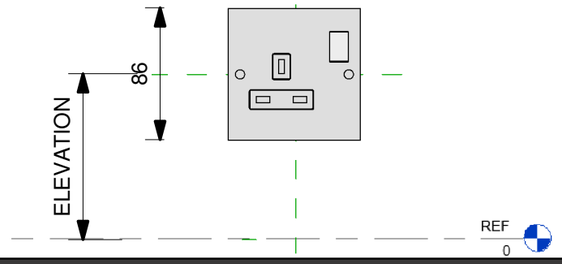
CATEGORY **Electrical Fixtures**

LOD-G **300**

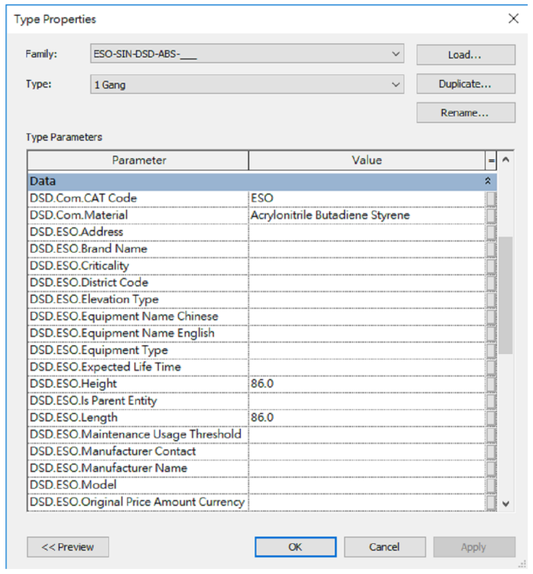




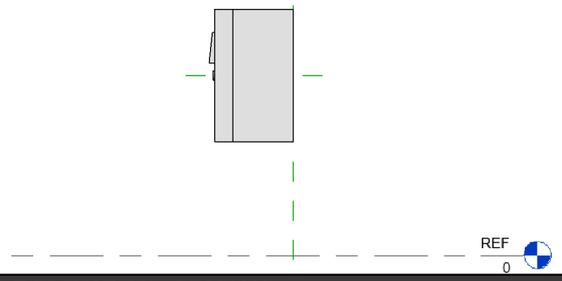
PLAN



3D



FRONT ELEVATION / SECTION

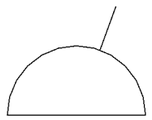


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ESO_SIN / DI_ESO_SIN



2D SYMBOL

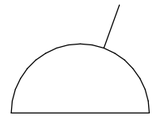
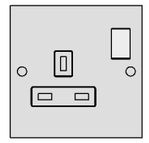
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Socket Outlet Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ESO	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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Drainage Services Department

BIM OBJECT SHEET

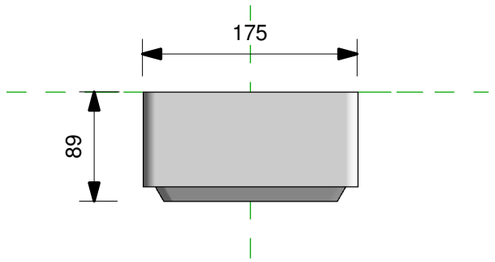
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2333**
	DATE **05-2020**	
	REVISION **0**	

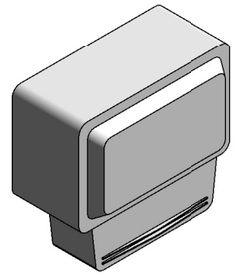
INPUT

Object Name **ESO-SIN-DSD-ABS-WP**

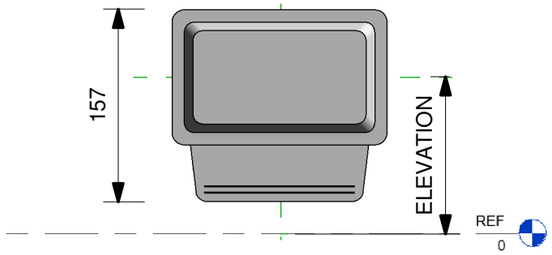
CATEGORY **Electrical Fixtures**

LOD-G **300**

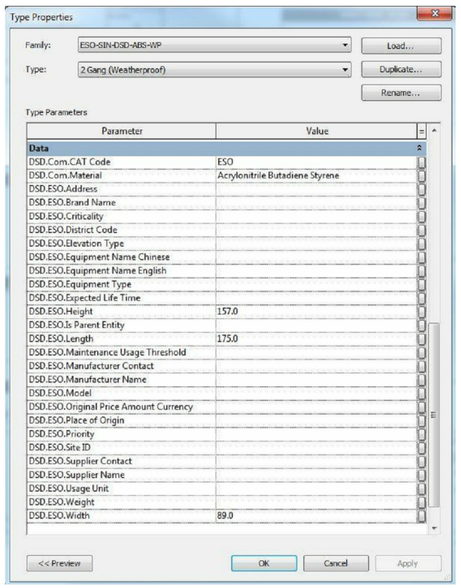




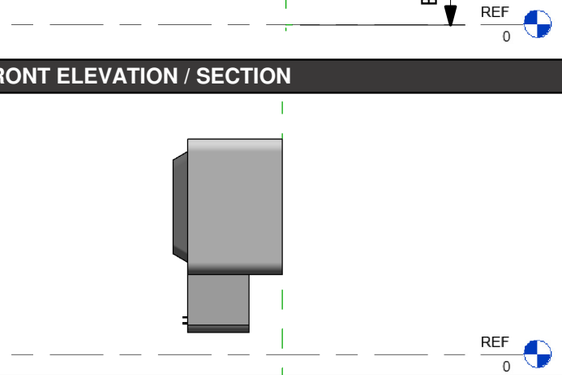
PLAN



3D



FRONT ELEVATION / SECTION

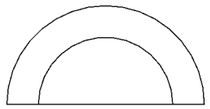


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ESO_SIN_WP/ DI_ESO_SIN_WP



2D SYMBOL

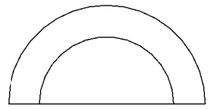
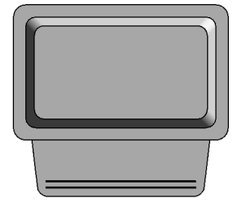
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Socket Outlet Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ESO	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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Drainage Services Department

BIM OBJECT SHEET

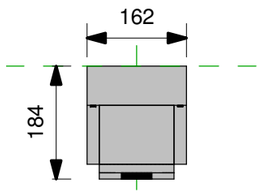
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2334**
	DATE **05-2020**	
	REVISION **0**	

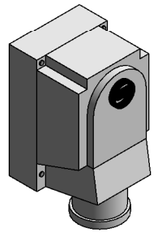
INPUT

Object Name **ESO-3PH-DSD-ABS-___**

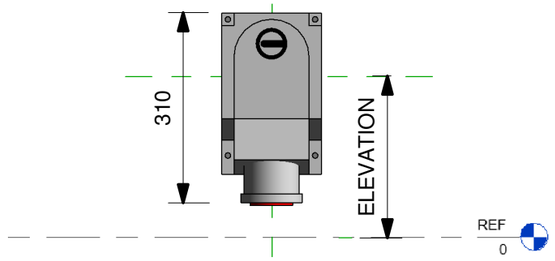
CATEGORY **Electrical Fixtures**

LOD-G **300**

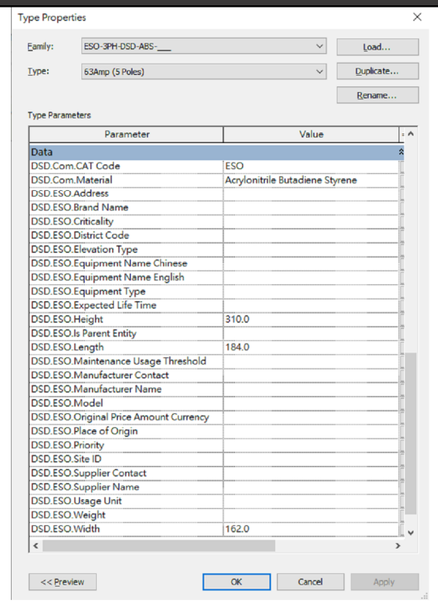




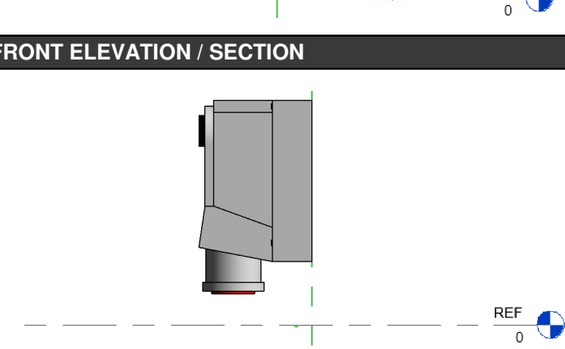
PLAN



3D



FRONT ELEVATION / SECTION

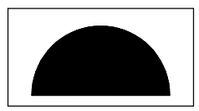


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ESO_3PH / DI_ESO_3PH



2D SYMBOL

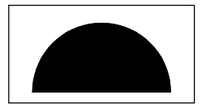
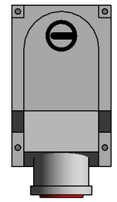
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Socket Outlet Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ESO	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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Drainage Services Department

BIM OBJECT SHEET

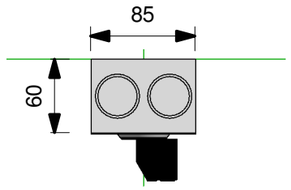
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2335**
	DATE **05-2020**	
	REVISION **0**	

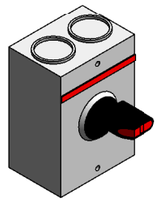
INPUT

Object Name **EIS-SIN-DSD-PL-___**

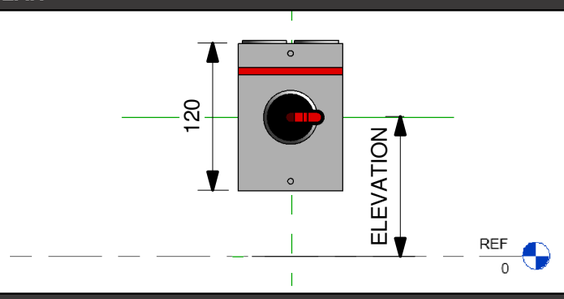
CATEGORY **Electrical Fixtures**

LOD-G **300**

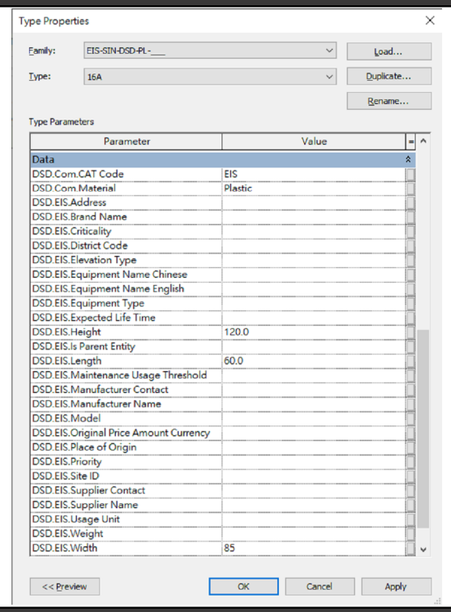




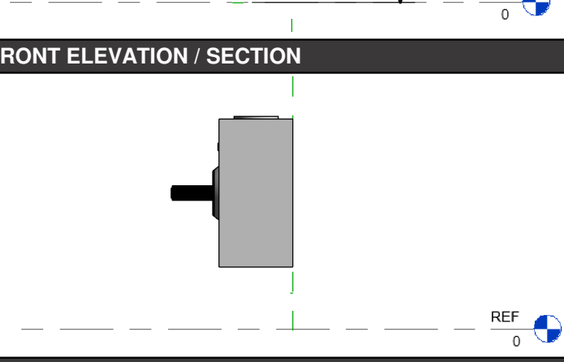
PLAN



3D



FRONT ELEVATION / SECTION

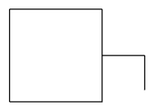


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EIS_SIN / DI_EIS_SIN



2D SYMBOL

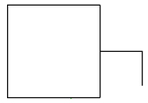
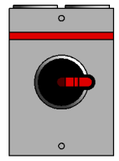
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Isolator Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EIS	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

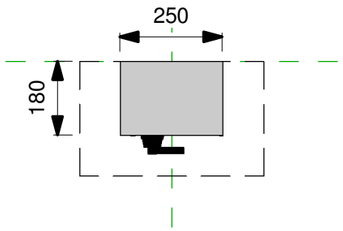
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2336**
	DATE **05-2020**	
	REVISION **0**	

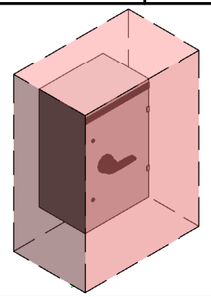
INPUT

Object Name **EIS-3PH-DSD-SHS-___**

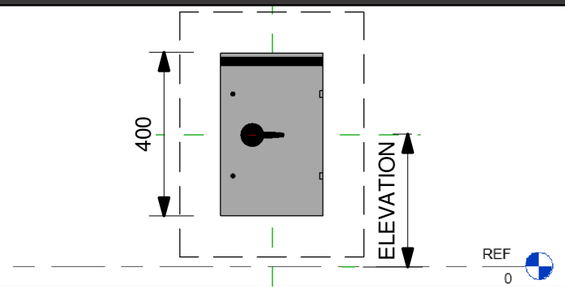
CATEGORY **Electrical Fixtures**

LOD-G **300**

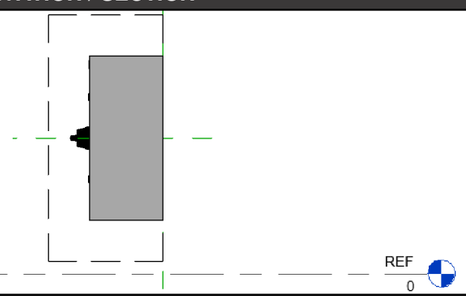




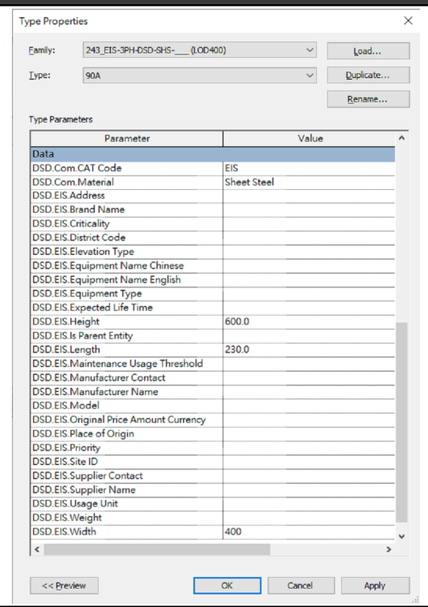
PLAN



FRONT ELEVATION / SECTION



3D

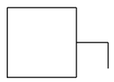


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EIS_3PH / DI_EIS_3PH



2D SYMBOL

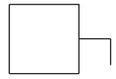
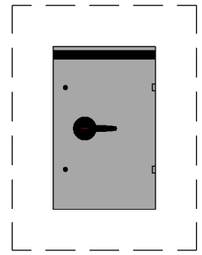
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Isolator Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EIS	01/04/2019	01/04/2019	Sheet Steel

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BIM OBJECT SHEET

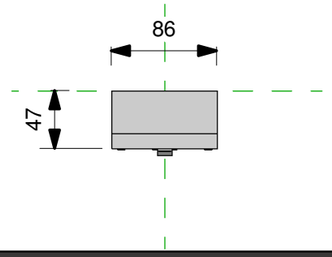
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2337**
	DATE **05-2020**	
	REVISION **0**	

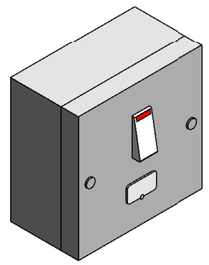
INPUT

Object Name **EFC-__-DSD-ABS- __**

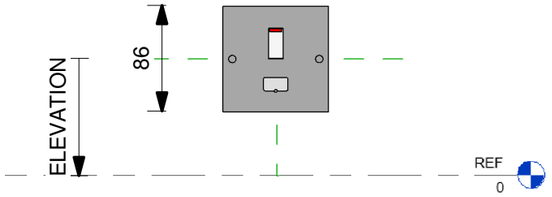
CATEGORY **Electrical Fixtures**

LOD-G **300**

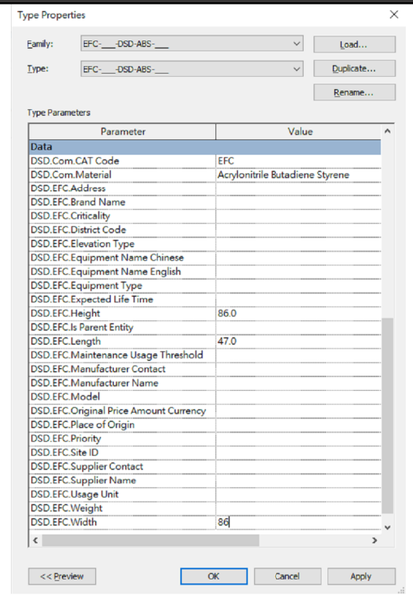




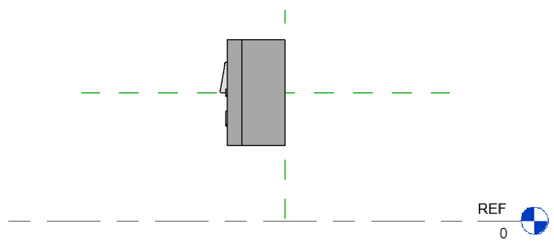
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EFC / DI_EFC

2D SYMBOL

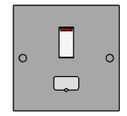
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
F		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fuse Connection Unit Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EFC	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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BIM OBJECT SHEET

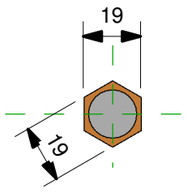
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2338**
	DATE **05-2020**	
	REVISION **0**	

INPUT

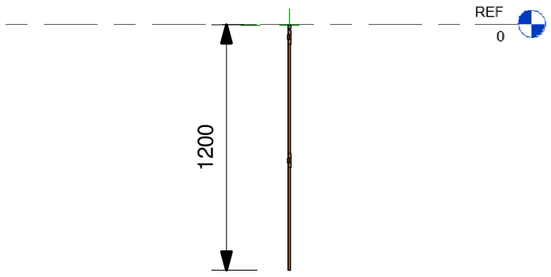
Object Name **EEE-___-DSD-CU-___**

CATEGORY **Electrical Fixtures**

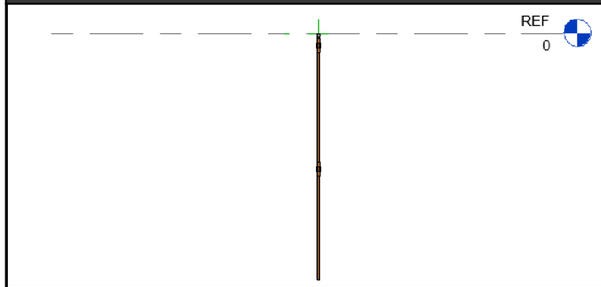
LOD-G **300**



PLAN

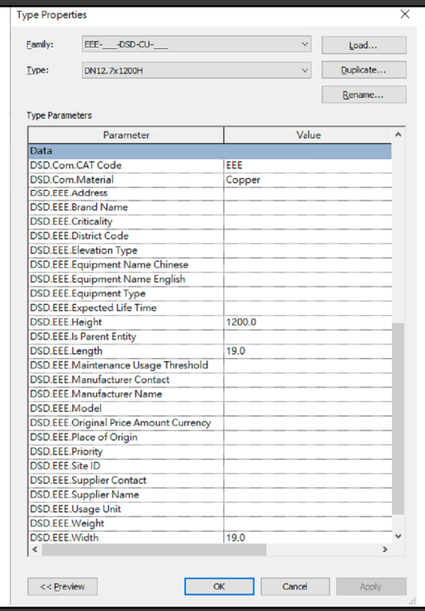


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EEE / DI_EEE

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Earthing Electrode Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EEE	01/04/2019	01/04/2019	Copper

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BIM OBJECT SHEET

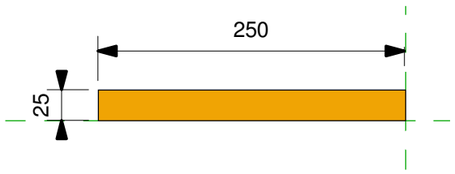
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2339**
	DATE **05-2020**	
	REVISION **0**	

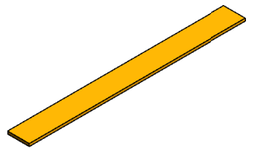
INPUT

Object Name **EEC-___-DSD-TCU-___**

CATEGORY **Electrical Fixtures**

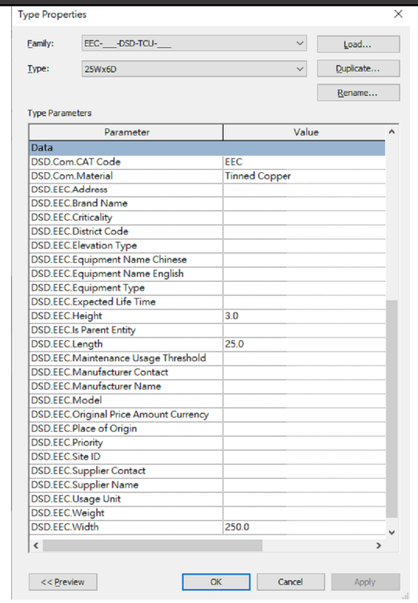
LOD-G **300**



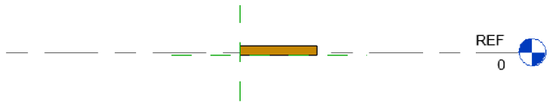


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Earthing Conductor Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EEC	01/04/2019	01/04/2019	Tinned Copper

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BIM OBJECT SHEET

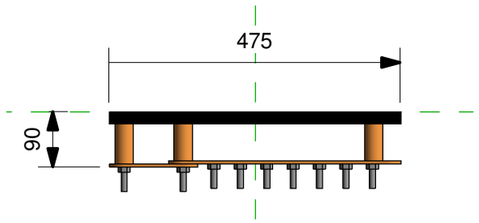
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2340**
	DATE **05-2020**	
	REVISION **0**	

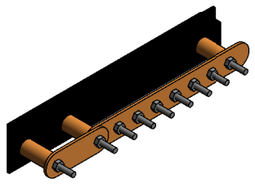
INPUT

Object Name **EER-___-DSD-TCU-___**

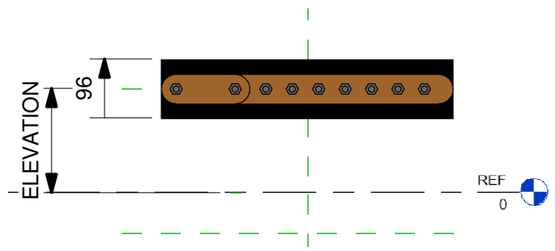
CATEGORY **Electrical Fixtures**

LOD-G **300**

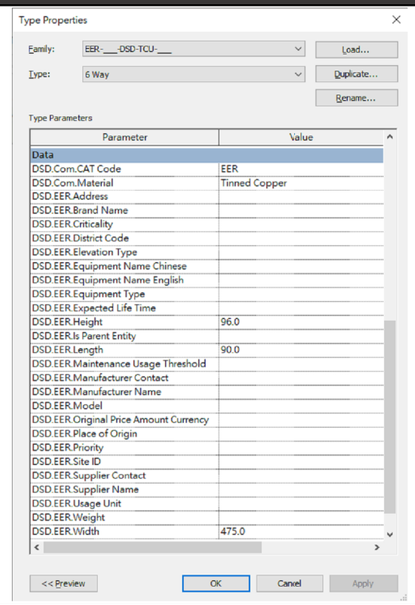




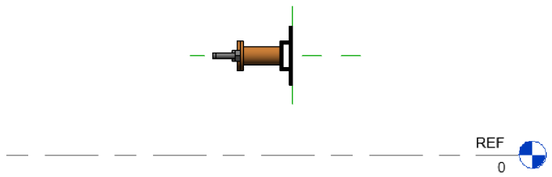
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

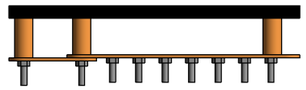
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Earthing Teminal Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EER	01/04/2019	01/04/2019	Tinned Copper

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BIM OBJECT SHEET

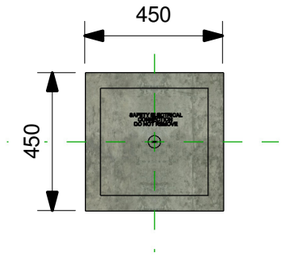
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2341**
	DATE **05-2020**	
	REVISION **0**	

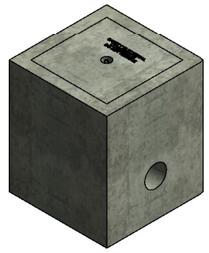
INPUT

Object Name **EEP-___-DSD-CONC-___**

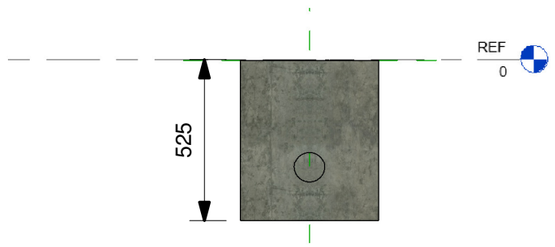
CATEGORY **Electrical Fixtures**

LOD-G **300**

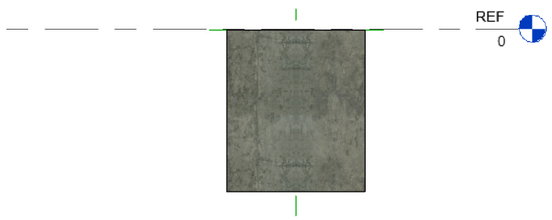




PLAN

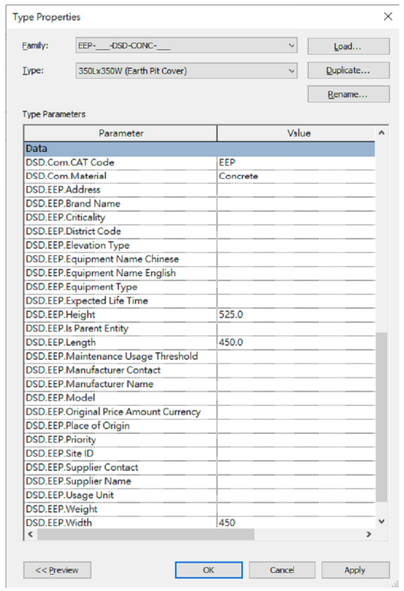


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno-EEP / DI-EEP

E

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
E		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Earth Pit Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EEP	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

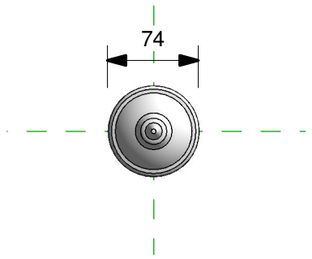
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2342**
	DATE **07-2020**	
	REVISION **0**	

INPUT

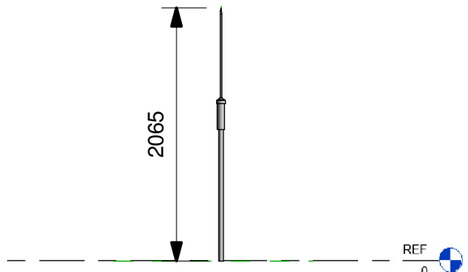
Object Name **ELT-___-DSD-SS-___**

CATEGORY **Electrical Fixtures**

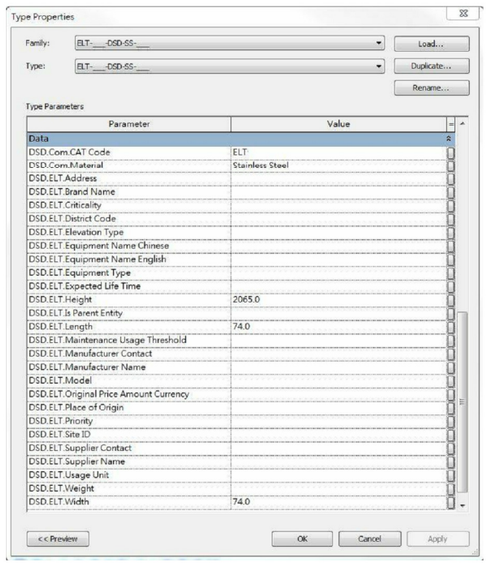
LOD-G **300**



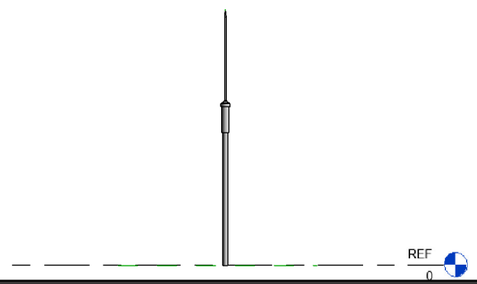
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lightning Terminal Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ELT	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

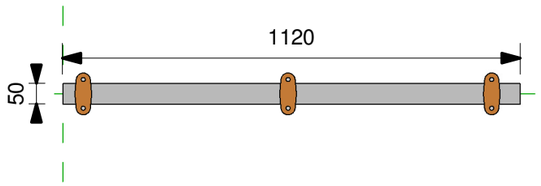
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2343**
	DATE **07-2020**	
	REVISION **0**	

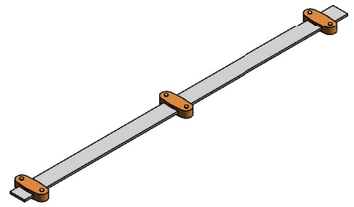
INPUT

Object Name **ECT-___-DSD-TCU-___**

CATEGORY **Electrical Fixtures**

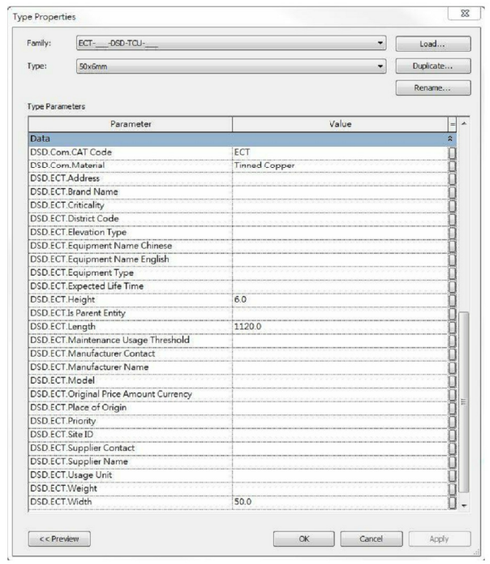
LOD-G **300**



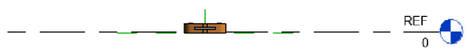


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

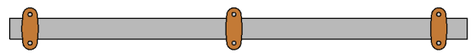
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Copper Tape Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ECT	01/04/2019	01/04/2019	Tinned Copper

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Drainage Services Department

BIM OBJECT SHEET

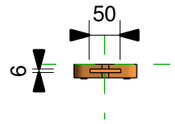
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2344**
	DATE **07-2020**	
	REVISION **0**	

INPUT

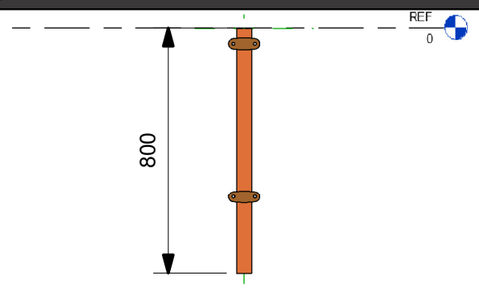
Object Name **EDC-___-DSD-TCU-___**

CATEGORY **Electrical Fixtures**

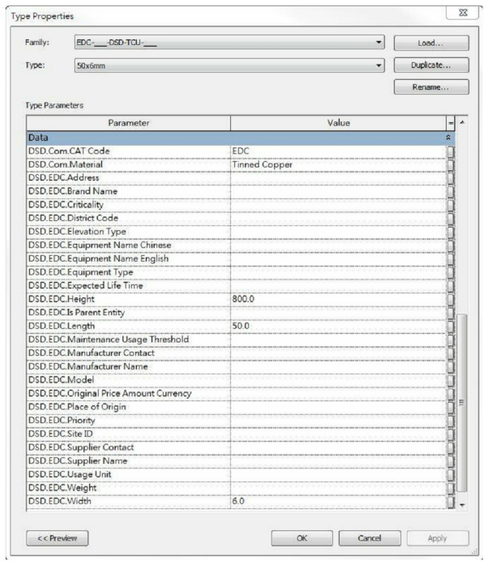
LOD-G **300**



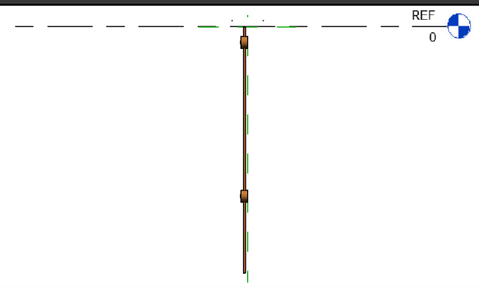
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_EDC / DI_EDC

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Down Conductor Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EDC	01/04/2019	01/04/2019	Tinned Copper

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Drainage Services Department

BIM OBJECT SHEET

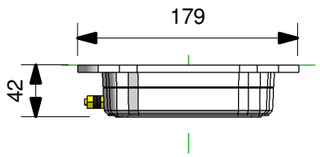
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2345**
	DATE **07-2020**	
	REVISION **0**	

INPUT

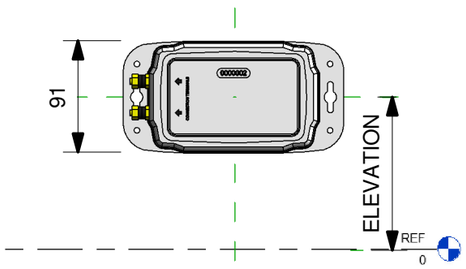
Object Name **ELS-___-DSD-ME-___**

CATEGORY **Electrical Fixtures**

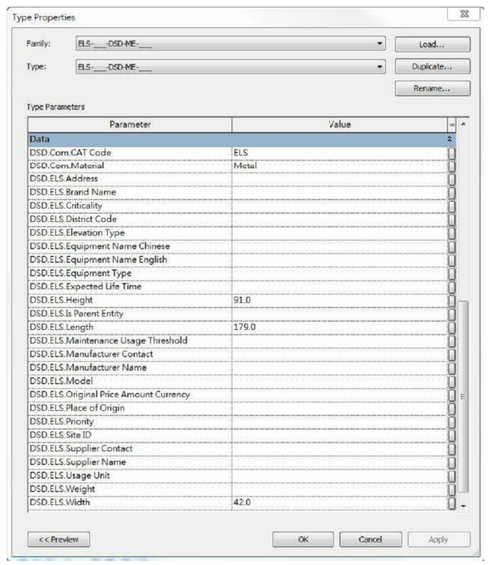
LOD-G **300**



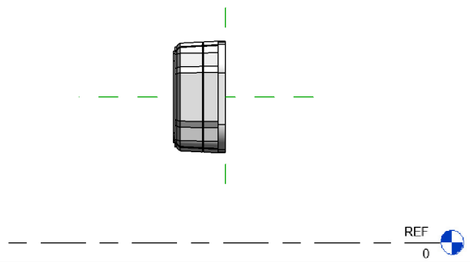
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ELS / DI_ELS

LSC

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
LSC		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lightning Stroke Counter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ELS	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

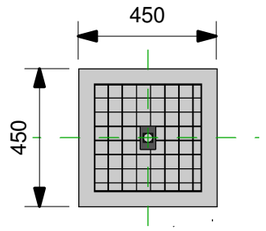
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2346**
	DATE **07-2020**	
	REVISION **0**	

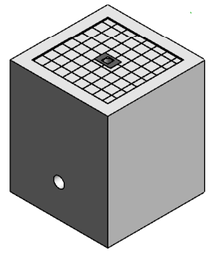
INPUT

Object Name **ELP-___-DSD-CONC-___**

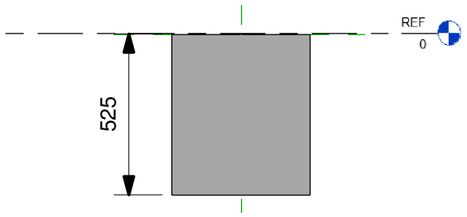
CATEGORY **Electrical Fixtures**

LOD-G **300**

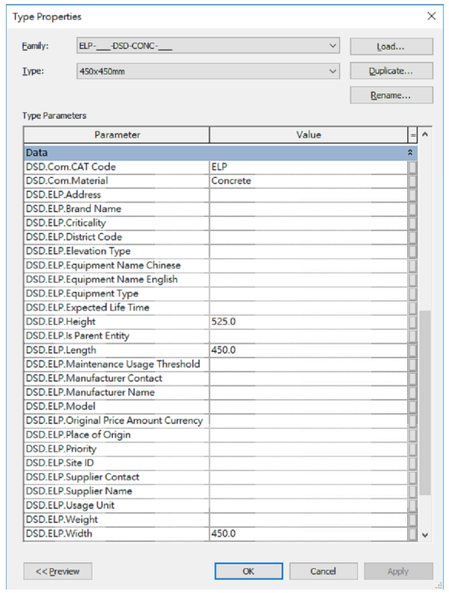




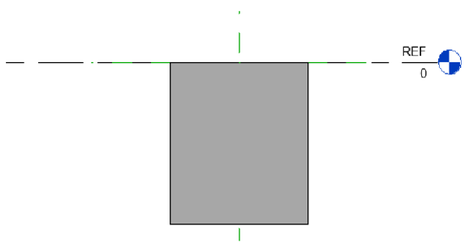
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ELP / DI_ELP

L

2D SYMBOL

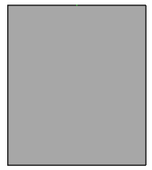
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
L		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lightning Pit Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ELP	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

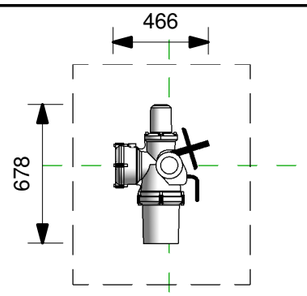
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2347**
	DATE **05-2020**	
	REVISION **0**	

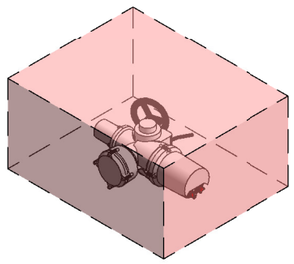
INPUT

Object Name **EAC-___-DSD-CAL-Small**

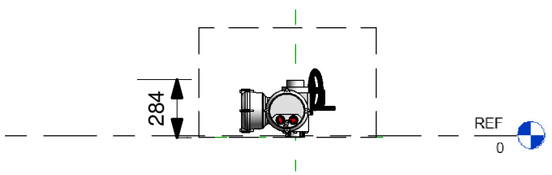
CATEGORY **Mechanical Equipment**

LOD-G **300**

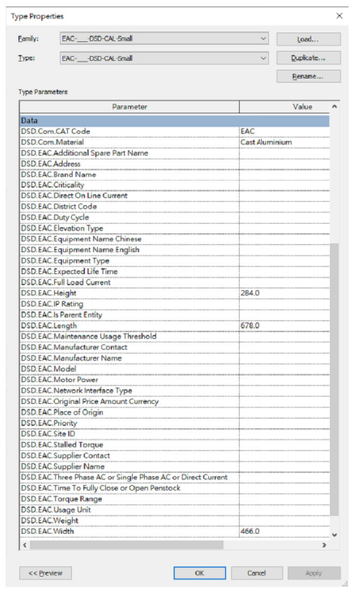




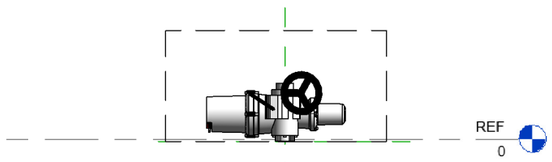
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

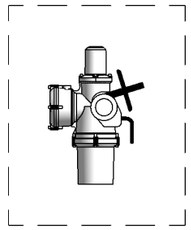
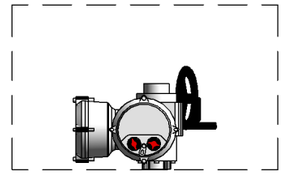
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Actuator Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EAC	01/04/2019	01/04/2019	Cast Aluminium

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BIM OBJECT SHEET

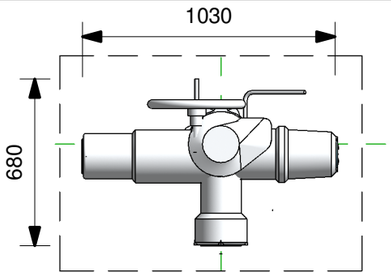
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2348**
	DATE **07-2020**	
	REVISION **0**	

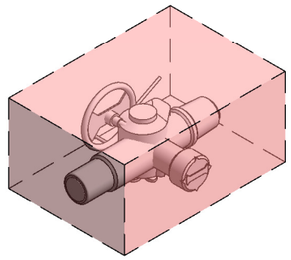
INPUT

Object Name **EAC-___-DSD-CAL-Large**

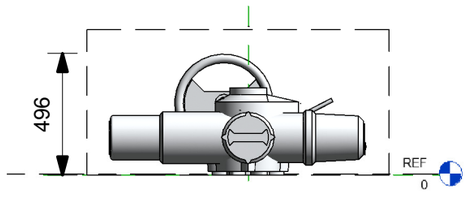
CATEGORY **Mechanical Equipment**

LOD-G **300**

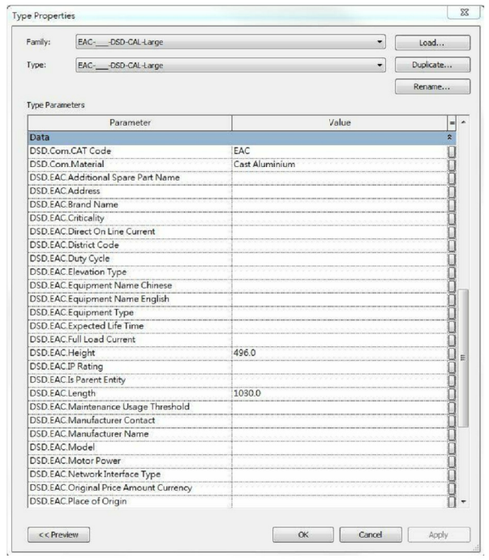




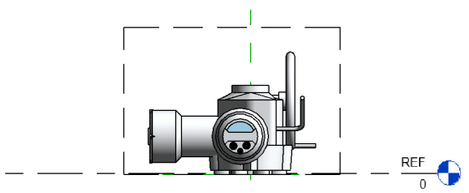
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

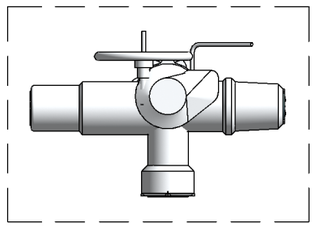
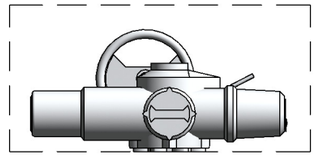
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Actuator Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
EAC	01/04/2019	01/04/2019	Cast Aluminium

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BIM OBJECT SHEET

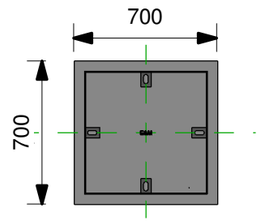
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2349**
	DATE **07-2020**	
	REVISION **0**	

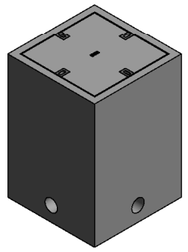
INPUT

Object Name **ECD-___-DSD-CONC-___**

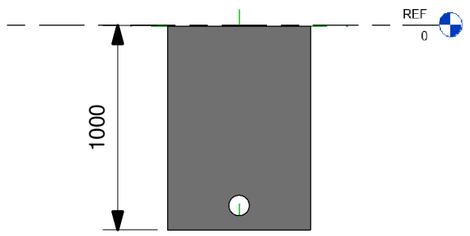
CATEGORY **Electrical Fixtures**

LOD-G **300**

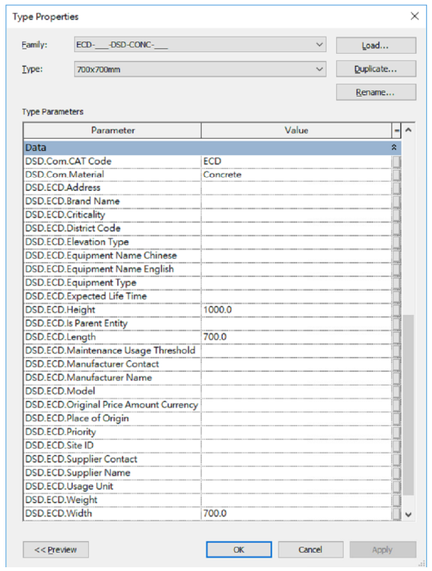




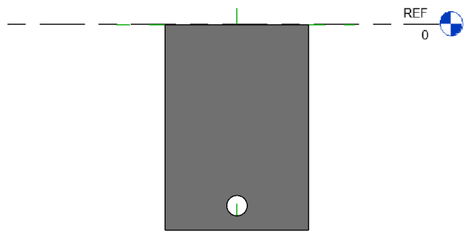
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_ECD/ DI_ECD

2D SYMBOL

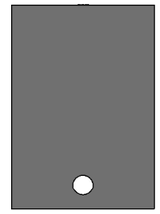
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Cable Draw Pit Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
ECD	01/04/2019	01/04/2019	Concrete

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BIM OBJECT SHEET

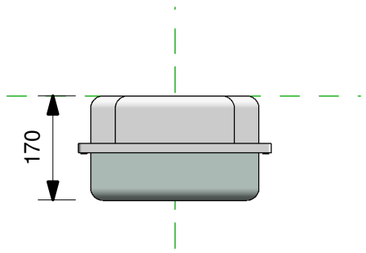
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2601**
	DATE **07-2020**	
	REVISION **0**	

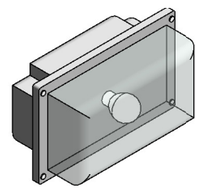
INPUT

Object Name **BLF-BUL-DSD-AL-___**

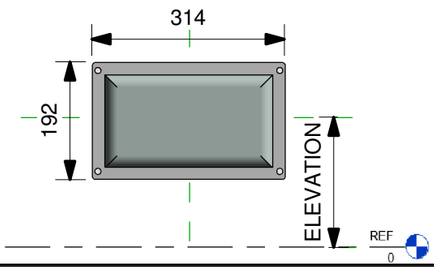
CATEGORY **Lighting Fixtures**

LOD-G **300**

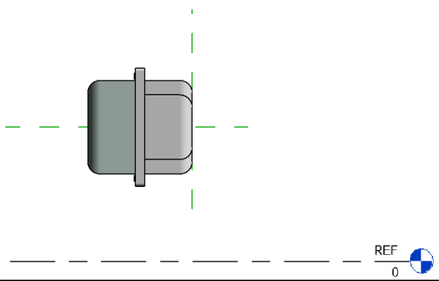




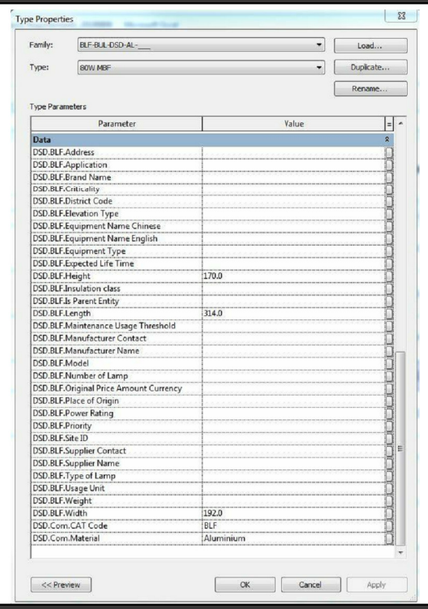
PLAN



FRONT ELEVATION / SECTION



3D



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BLF_BUL / DI_BLF_BUL

BL

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
BL		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lighting Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BLF	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

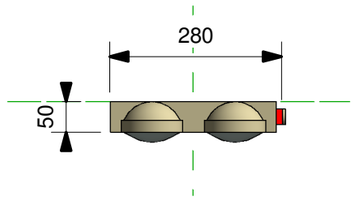
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2602**
	DATE **05-2020**	
	REVISION **0**	

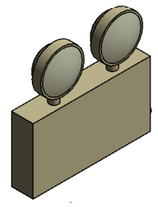
INPUT

Object Name **BLF-EME-DSD-ME-___**

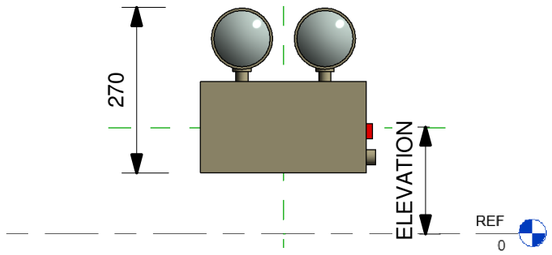
CATEGORY **Lighting Fixtures**

LOD-G **300**

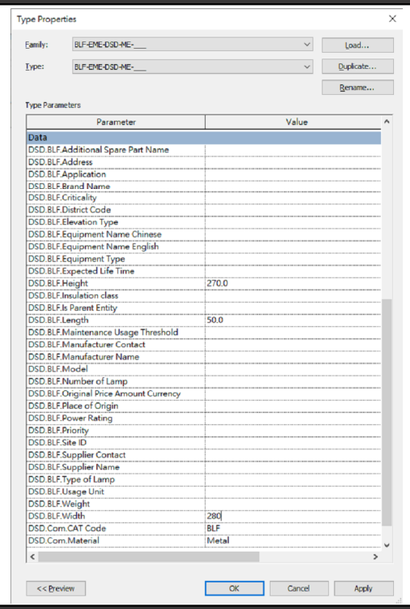




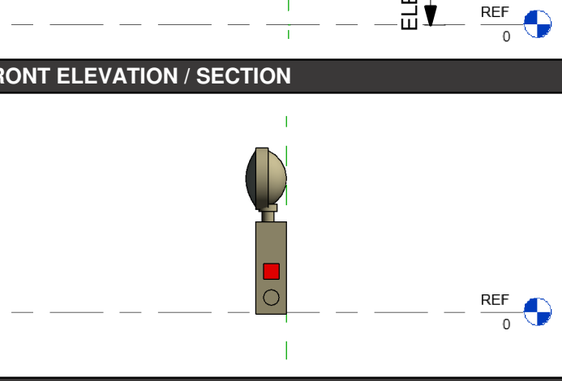
PLAN



3D



FRONT ELEVATION / SECTION

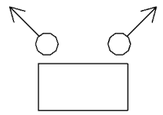


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BLF_EME / DI_BLF_EME



2D SYMBOL

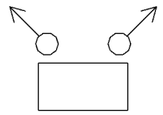
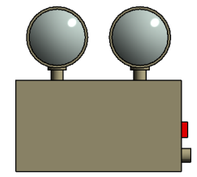
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lighting Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BLF	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

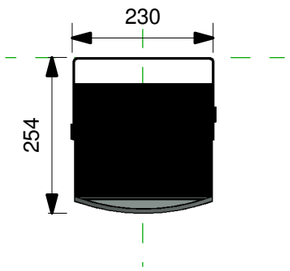
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2603**
	DATE **07-2020**	
	REVISION **0**	

INPUT

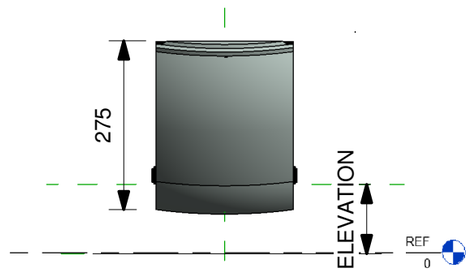
Object Name **BLF-FLO-DSD-AL-___**

CATEGORY **Lighting Fixtures**

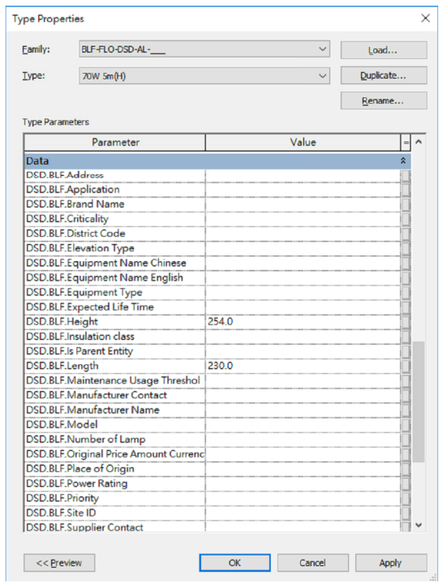
LOD-G **300**



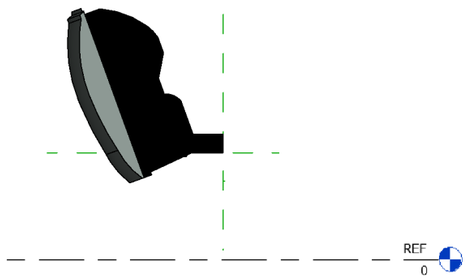
PLAN



3D



FRONT ELEVATION / SECTION

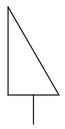


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BLF_FLO / DI_BLF_FLO



2D SYMBOL

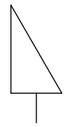
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lighting Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BLF	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

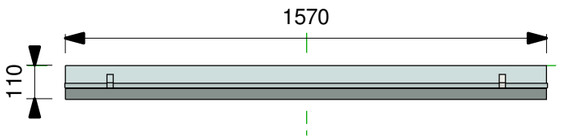
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2604**
	DATE **05-2020**	
	REVISION **0**	

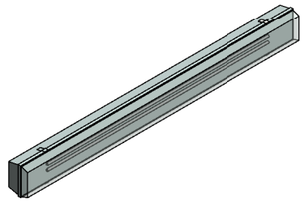
INPUT

Object Name **BLF-FLU-DSD-SHS-**

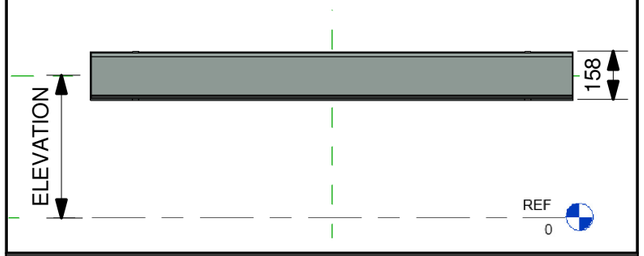
CATEGORY **Lighting Fixtures**

LOD-G **300**

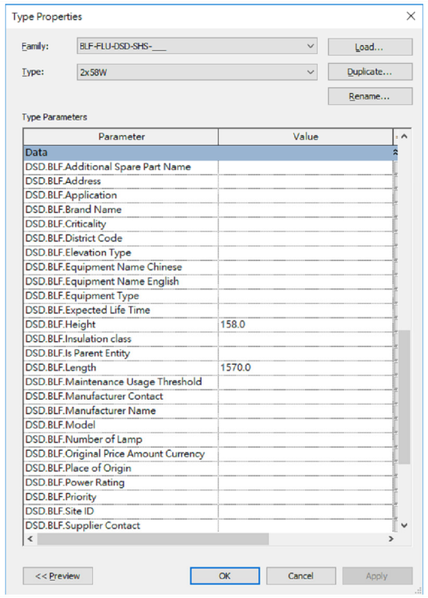




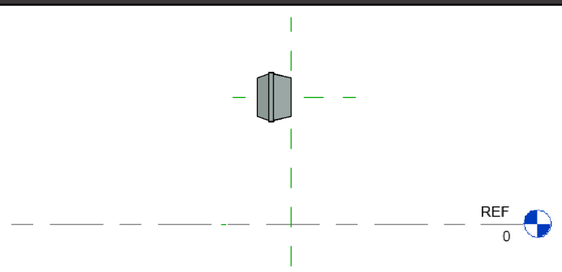
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno-BLF-FLU / DI-BLF-FLU

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lighting Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BLF	01/04/2019	01/04/2019	Sheet Steel

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BIM OBJECT SHEET

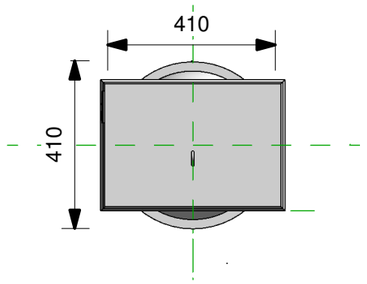
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2605**
	DATE **07-2020**	
	REVISION **0**	

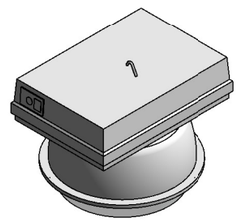
INPUT

Object Name **BLF-HIB-DSD-AL-___**

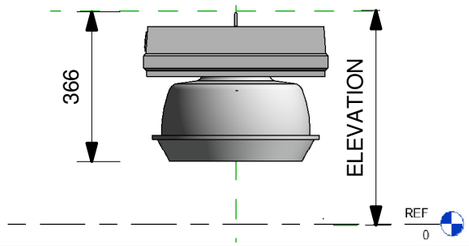
CATEGORY **Lighting Fixtures**

LOD-G **300**

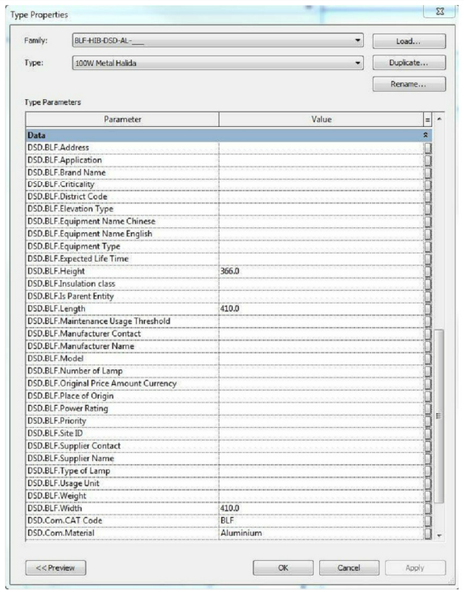




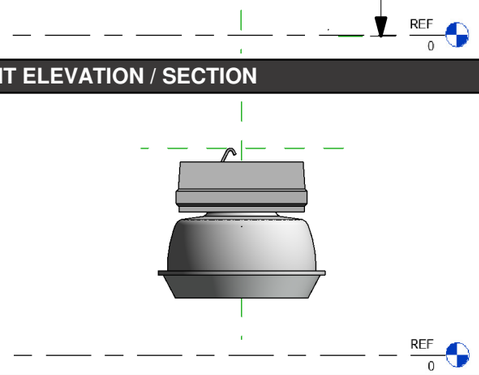
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BLF_HIB / DI_BLF_HIB

HB

2D SYMBOL

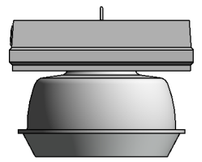
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
HB		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lighting Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BLF	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

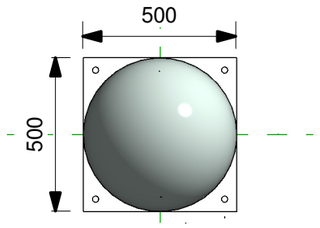
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2606**
	DATE **07-2020**	
	REVISION **0**	

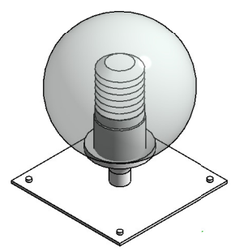
INPUT

Object Name **BLF-PER-DSD-AL-___**

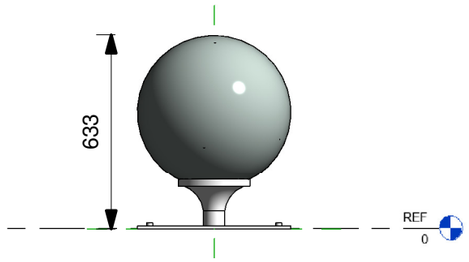
CATEGORY **Lighting Fixtures**

LOD-G **300**

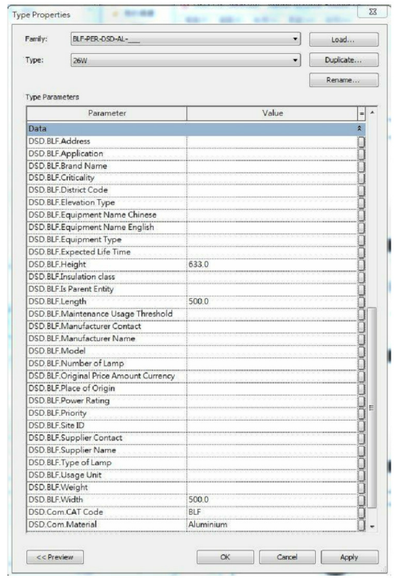




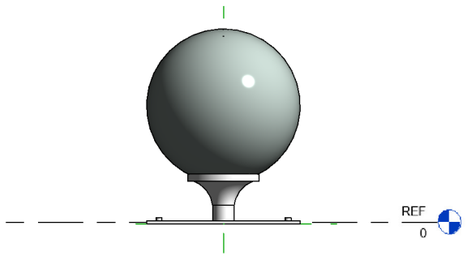
PLAN



3D



FRONT ELEVATION / SECTION

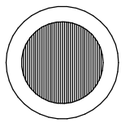


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BLF_PER / DI_BLF_PER



2D SYMBOL

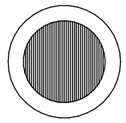
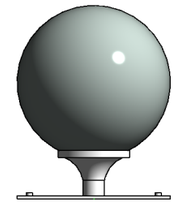
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Lighting Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BLF	01/04/2019	01/04/2019	Aluminium

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2607**
	DATE **05-2020**	
	REVISION **0**	

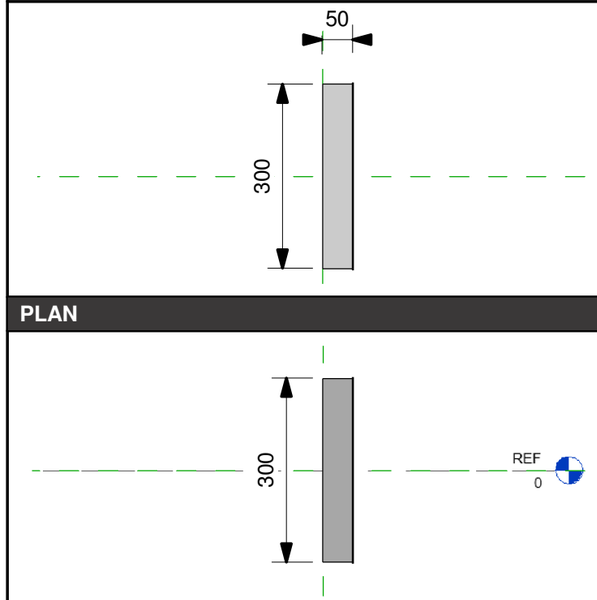
INPUT

Object Name **BDF-CAP-DSD-SS-Rectangular**

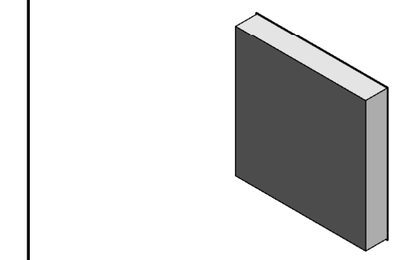
CATEGORY **Duct Fittings**

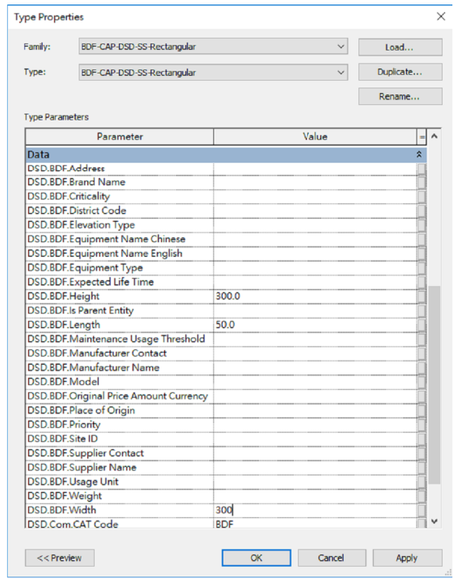
LOD-G **300**

PLAN

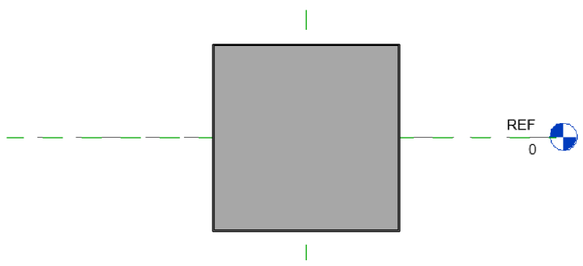


3D





FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_CAP / DI_BDF_CAP

2D SYMBOL

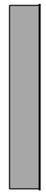
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2608**
	DATE **05-2020**	
	REVISION **0**	

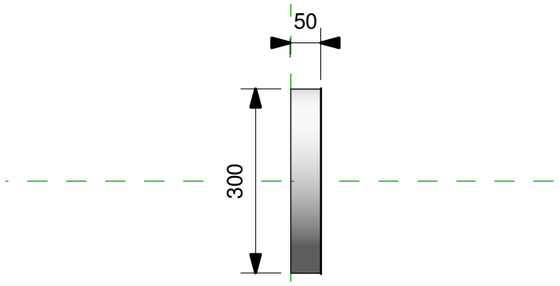
INPUT

Object Name **BDF-CAP-DSD-SS-Round**

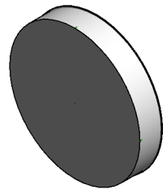
CATEGORY **Duct Fittings**

LOD-G **300**

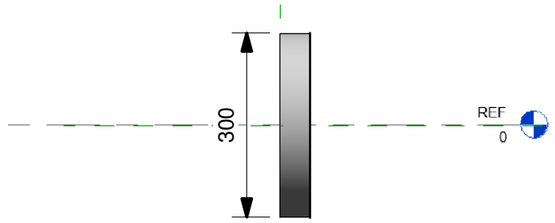
PLAN



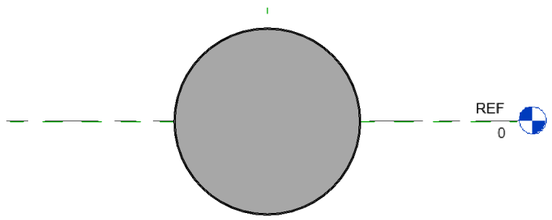
3D



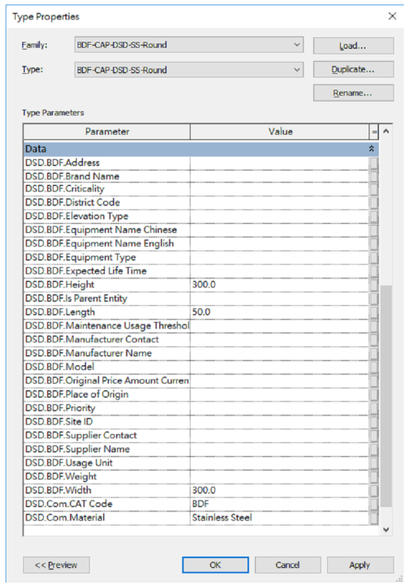
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION



FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_BDF_CAP / DI_BDF_CAP

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

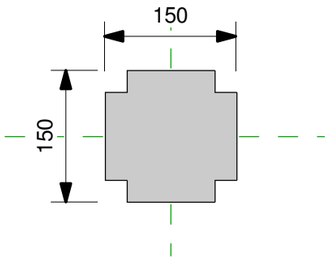
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2609**
	DATE **05-2020**	
	REVISION **0**	

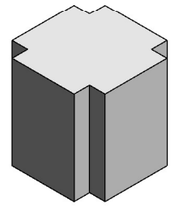
INPUT

Object Name **BDF-CRO-DSD-SS-Rectangular**

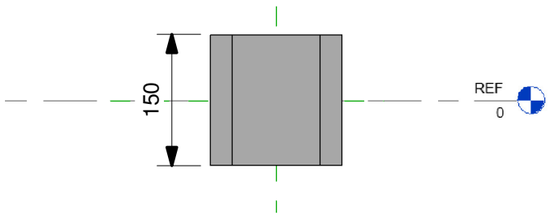
CATEGORY **Duct Fittings**

LOD-G **300**

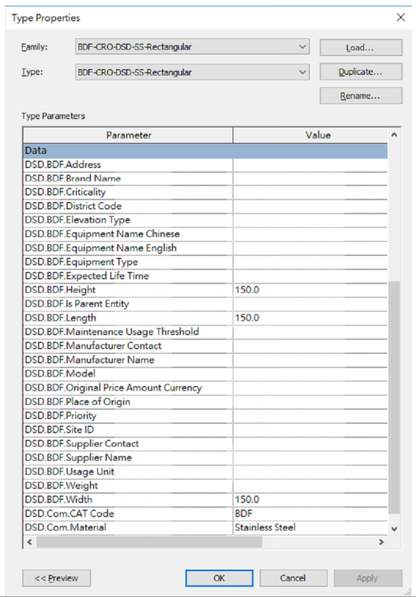




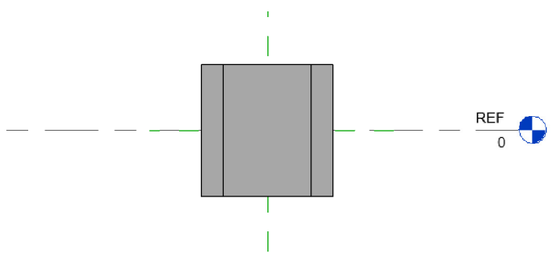
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_CRO / DI_BDF_CRO

2D SYMBOL

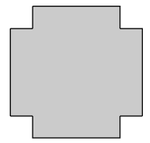
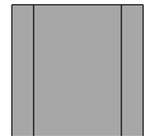
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

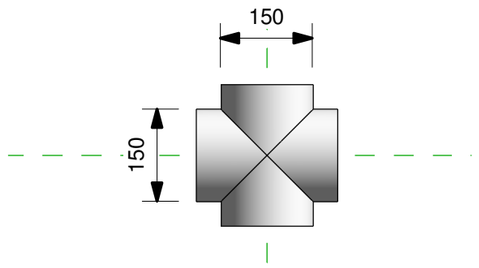
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2610**
	DATE **05-2020**	
	REVISION **0**	

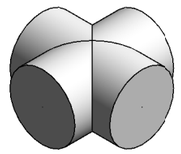
INPUT

Object Name **BDF-CRO-DSD-SS-Round**

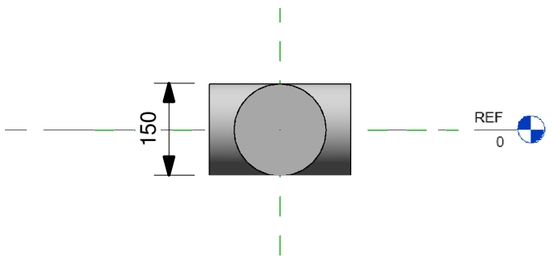
CATEGORY **Duct Fittings**

LOD-G **300**

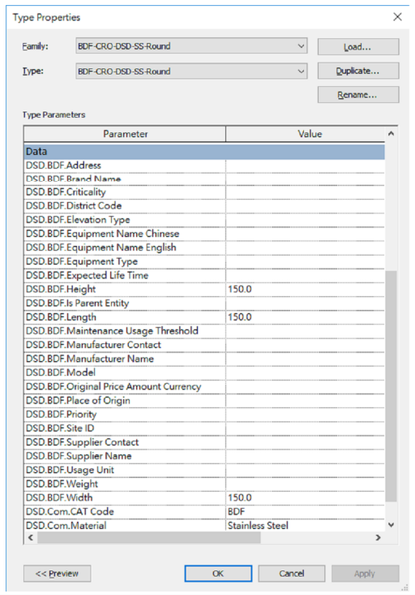




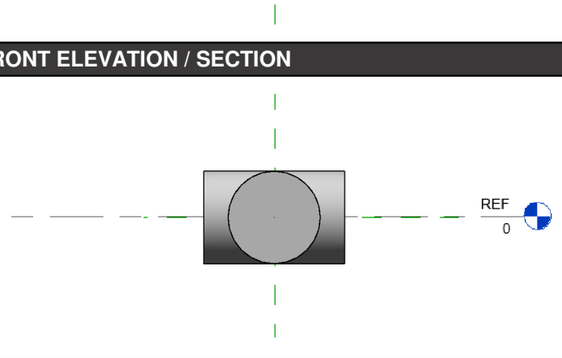
PLAN



3D



FRONT ELEVATION / SECTION

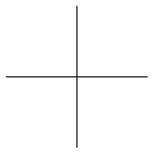


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_CRO / DI_BDF_CRO



2D SYMBOL

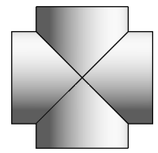
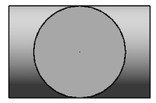
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

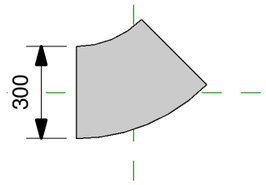
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER
	DATE **05-2020**	**DSD-OS-2611**
	REVISION **0**	

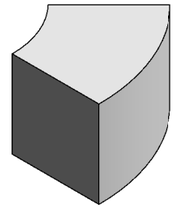
INPUT

Object Name **BDF-ELB-DSD-SS-Rec_Rad**

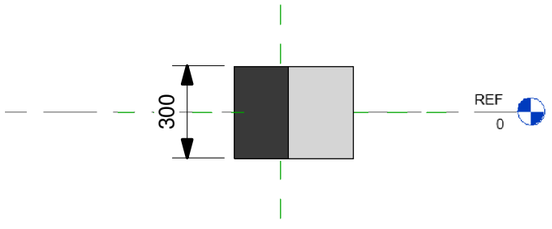
CATEGORY **Duct Fittings**

LOD-G **300**

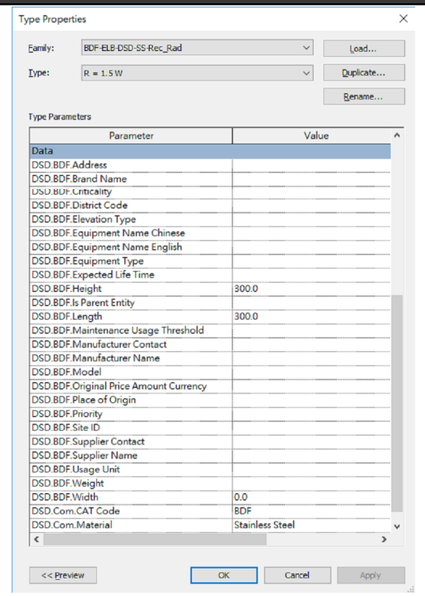




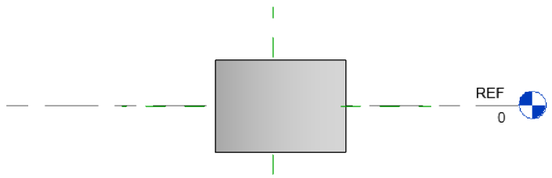
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_ELB / DI_BDF_ELB

2D SYMBOL

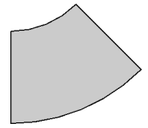
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

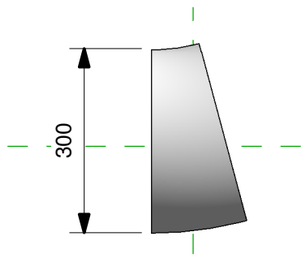
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2612**
	DATE **05-2020**	
	REVISION **0**	

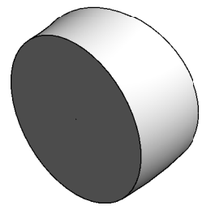
INPUT

Object Name **BDF-ELB-DSD-SS-Round**

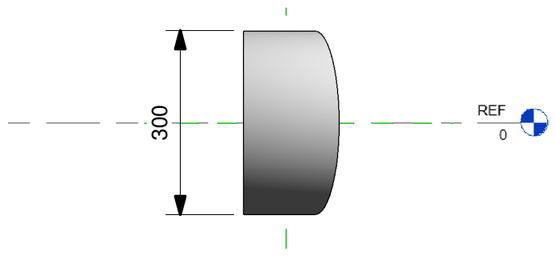
CATEGORY **Duct Fittings**

LOD-G **300**

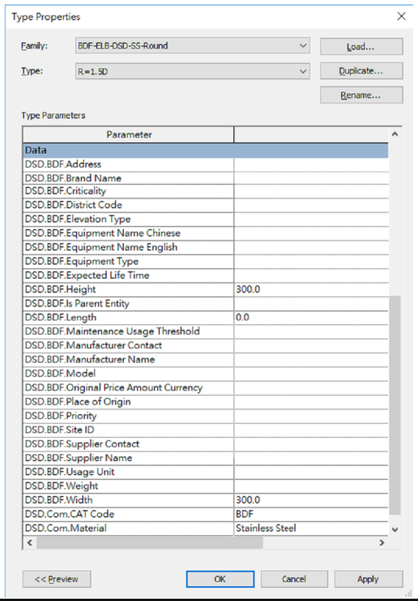




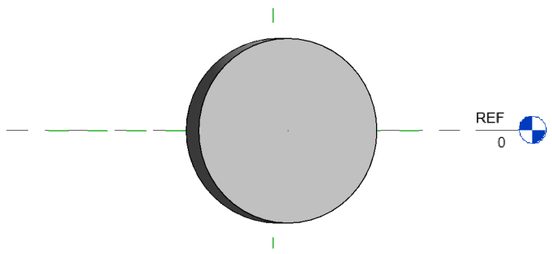
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_ELB / DI_BDF_ELB

2D SYMBOL

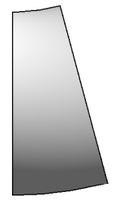
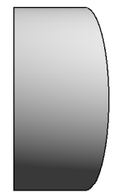
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

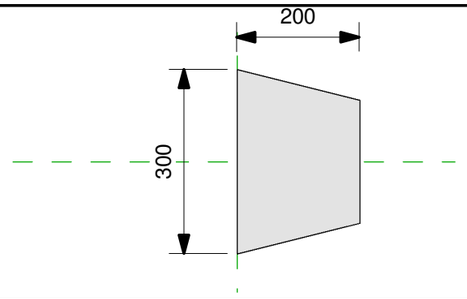
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2613**
	DATE **05-2020**	
	REVISION **0**	

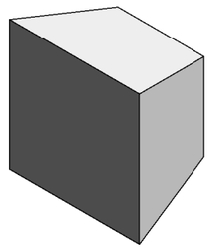
INPUT

Object Name **BDF-RED-DSD-SS-Rectangular**

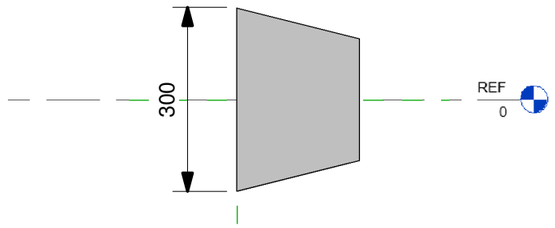
CATEGORY **Duct Fittings**

LOD-G **300**

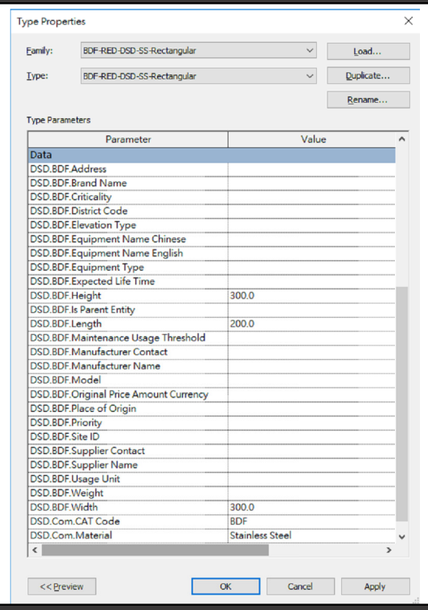




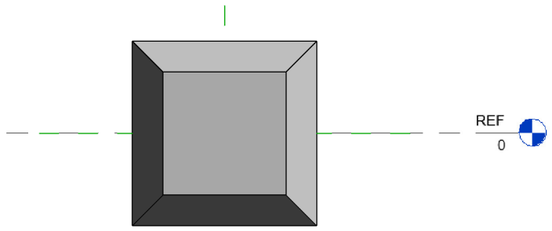
PLAN



3D



FRONT ELEVATION / SECTION

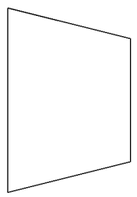


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_FLA / DI_BDF_FLA



2D SYMBOL

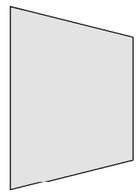
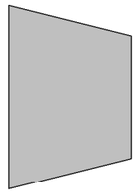
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

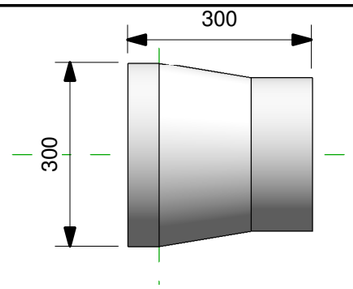
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2614**
	DATE **05-2020**	
	REVISION **0**	

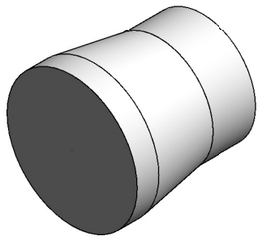
INPUT

Object Name **BDF-RED-DSD-SS-Round**

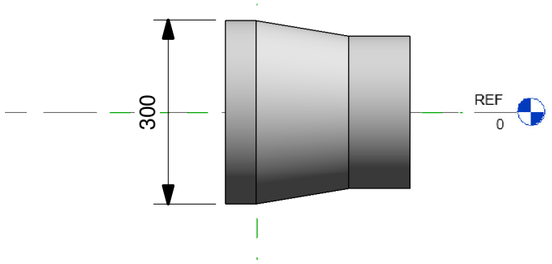
CATEGORY **Duct Fittings**

LOD-G **300**

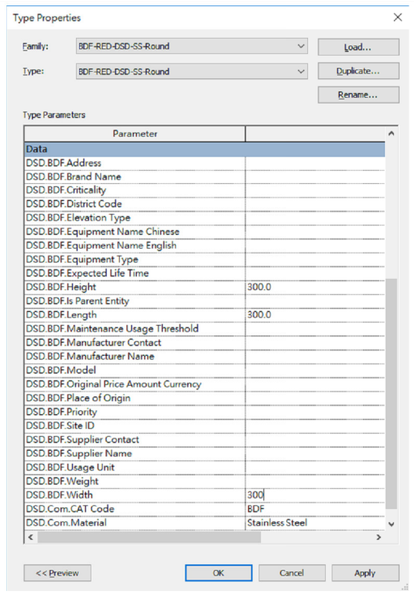




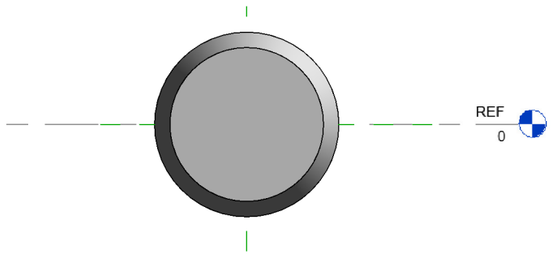
PLAN



3D



FRONT ELEVATION / SECTION

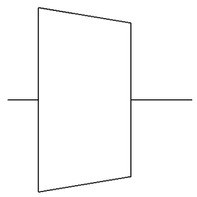


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_FLA / DI_BDF_FLA



2D SYMBOL

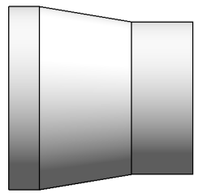
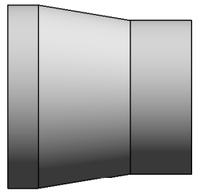
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2615**
	DATE **05-2020**	
	REVISION **0**	

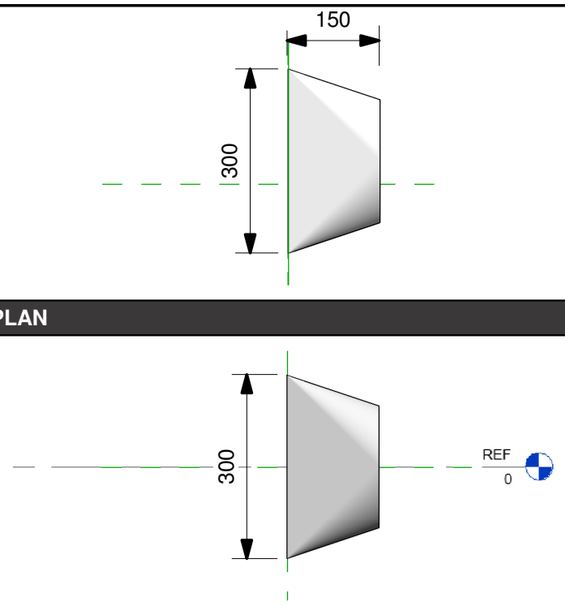
INPUT

Object Name **BDF-RTR-DSD-SS-___**

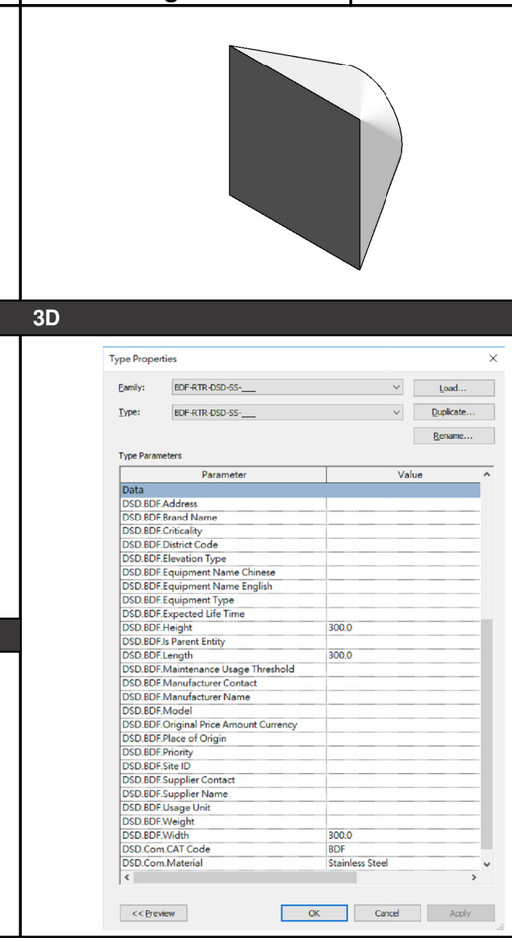
CATEGORY **Duct Fittings**

LOD-G **300**

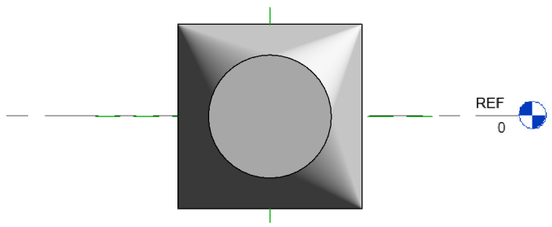
PLAN



3D



FRONT ELEVATION / SECTION

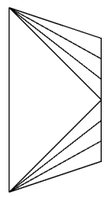


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_RTR / DI_BDF_RTR



2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2615**
	DATE **05-2020**	
	REVISION **0**	

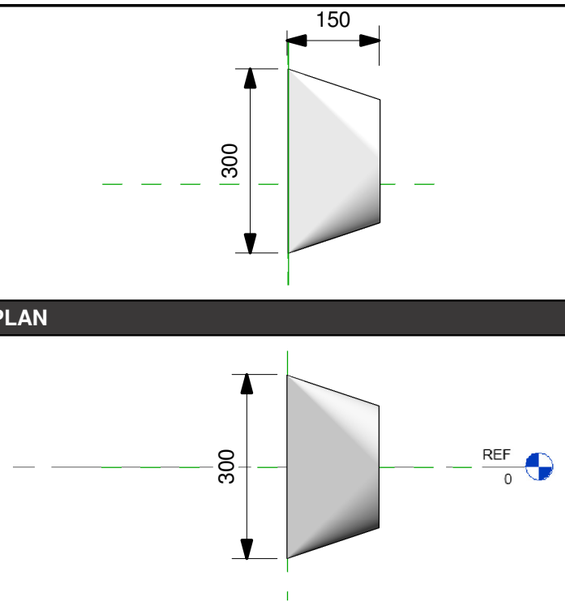
INPUT

Object Name **BDF-RTR-DSD-SS-___**

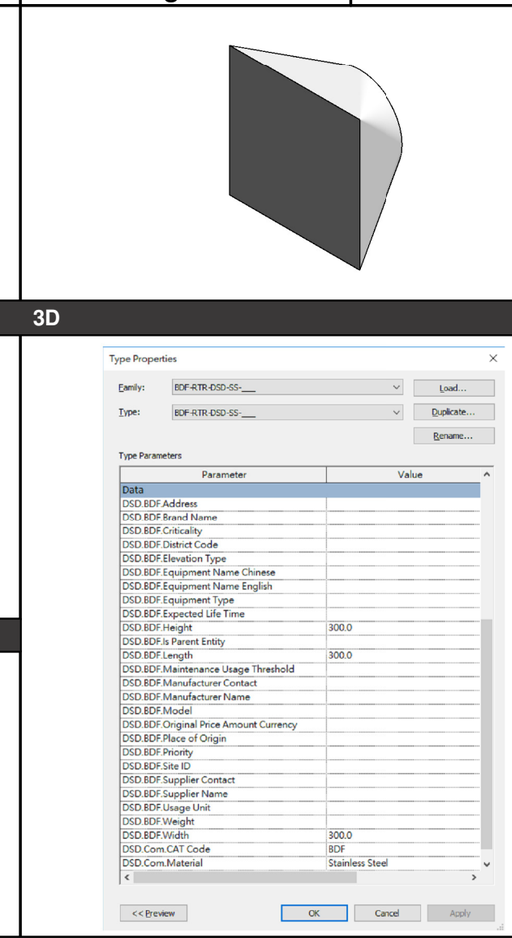
CATEGORY **Duct Fittings**

LOD-G **300**

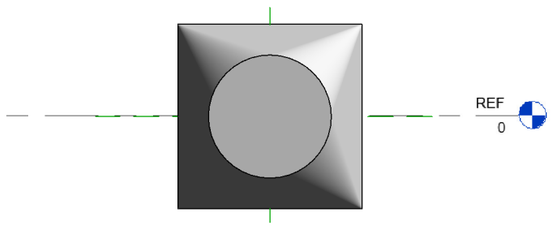
PLAN



3D



FRONT ELEVATION / SECTION

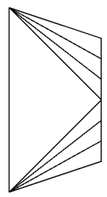


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_RTR / DI_BDF_RTR



2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2616**
	DATE **05-2020**	
	REVISION **0**	

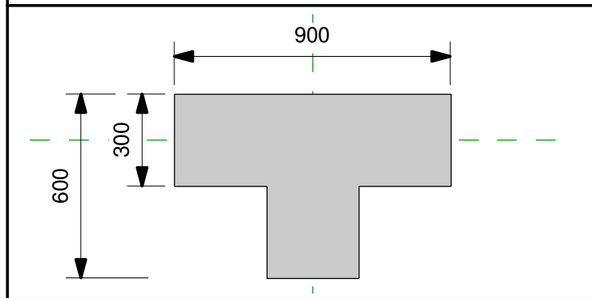
INPUT

Object Name **BDF-TEE-DSD-SS-Rec_Sq**

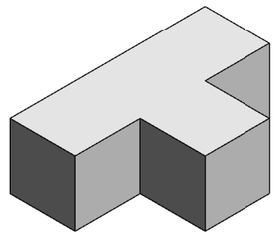
CATEGORY **Duct Fittings**

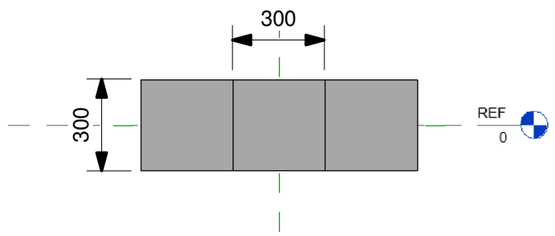
LOD-G **300**

PLAN

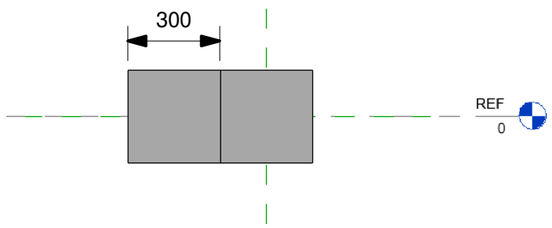


3D



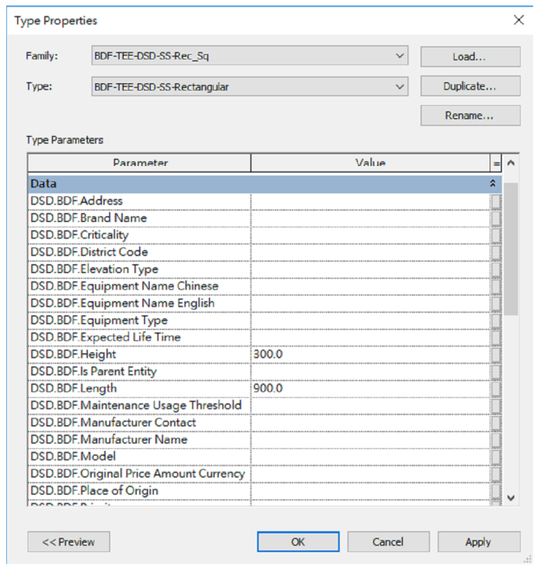


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_BDF_TEE / DI_BDF_TEE

2D SYMBOL

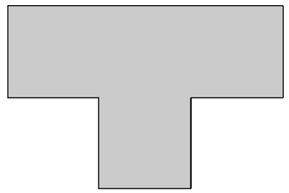
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2616**
	DATE **05-2020**	
	REVISION **0**	

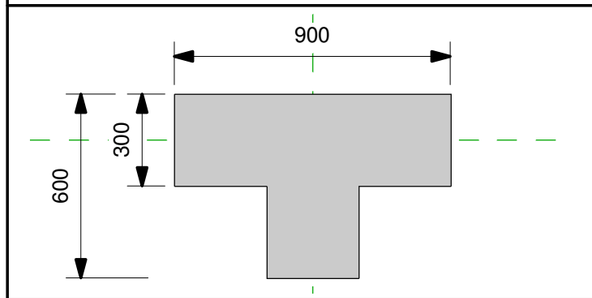
INPUT

Object Name **BDF-TEE-DSD-SS-Rec_Sq**

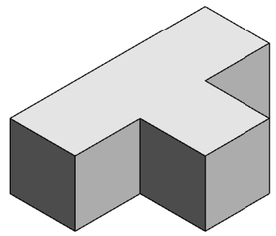
CATEGORY **Duct Fittings**

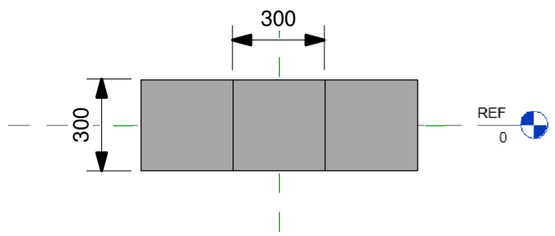
LOD-G **300**

PLAN

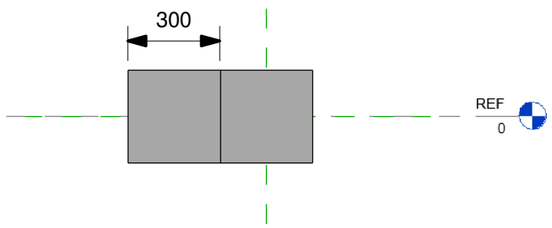


3D



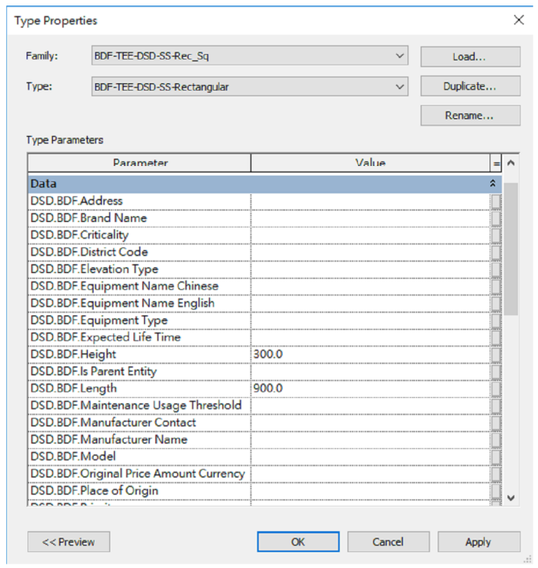


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER



3D GEOMETRY

Anno_BDF_TEE / DI_BDF_TEE

2D SYMBOL

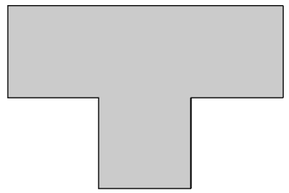
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

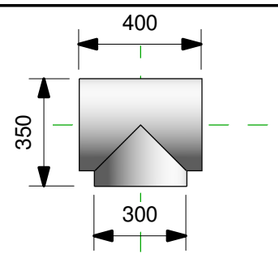
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER
	DATE **05-2020**	**DSD-OS-2617**
	REVISION **0**	

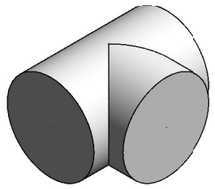
INPUT

Object Name **BDF-TEE-DSD-SS-Round**

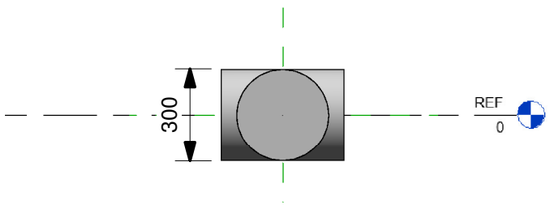
CATEGORY **Duct Fittings**

LOD-G **300**

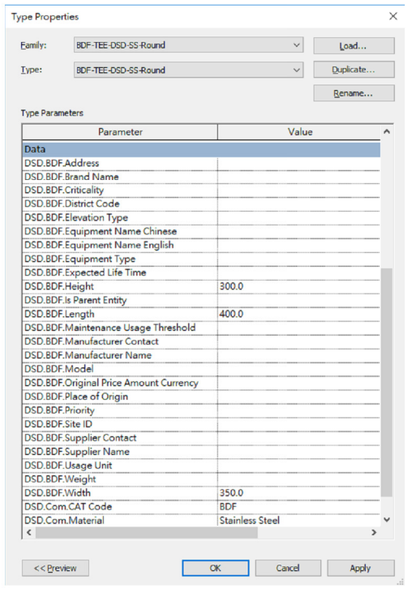




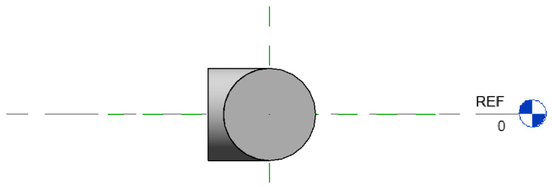
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDF_TEE / DI_BDF_TEE

2D SYMBOL

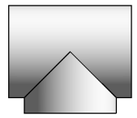
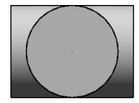
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Duct Fitting Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDF	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

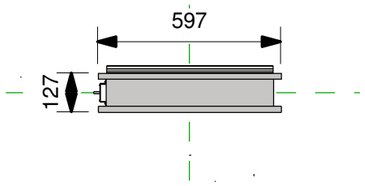
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2618**
	DATE **07-2020**	
	REVISION **0**	

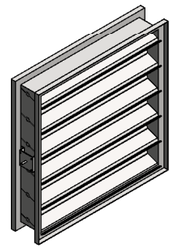
INPUT

Object Name **BDA-BAL-DSD-SS-Rectangular**

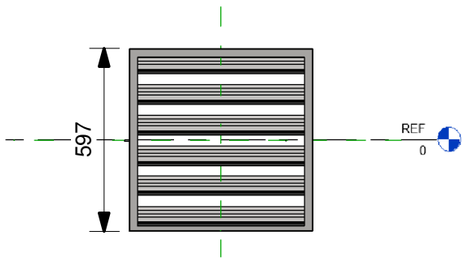
CATEGORY **Dcut Accessories**

LOD-G **300**

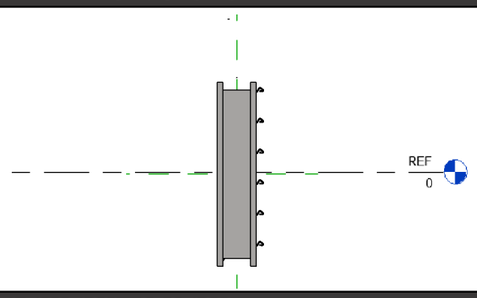




PLAN

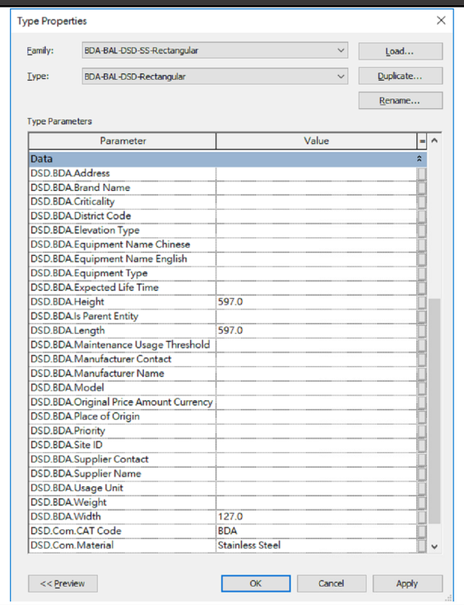


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

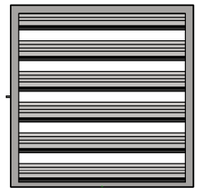
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Damper Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

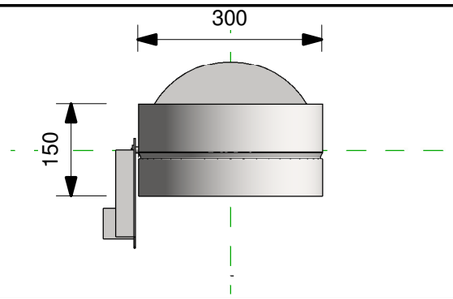
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2619**
	DATE **07-2020**	
	REVISION **0**	

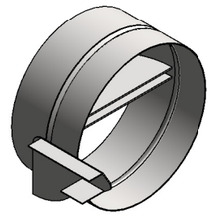
INPUT

Object Name **BDA-BAL-DSD-SS-Round**

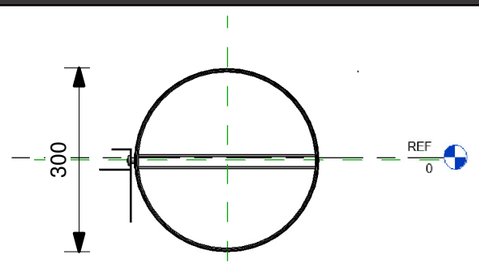
CATEGORY **Dcut Accessories**

LOD-G **300**

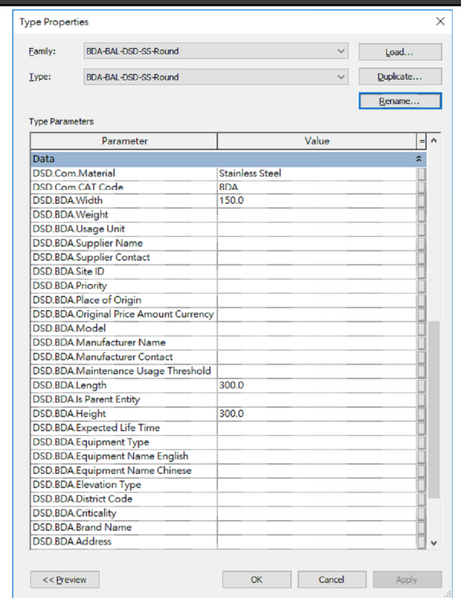




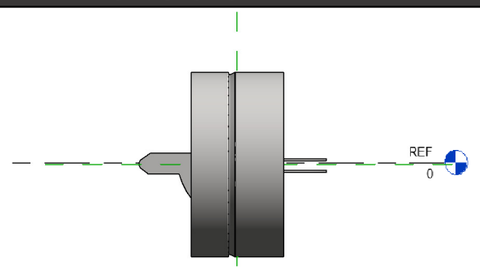
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

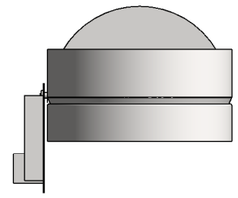
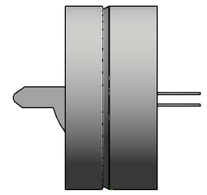
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Damper Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

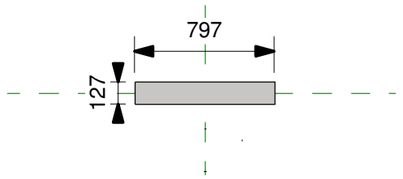
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER
	DATE **07-2020**	**DSD-OS-2620**
	REVISION **0**	

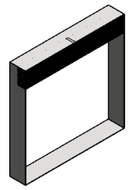
INPUT

Object Name **BDA-FIR-DSD-GS-Rectangular**

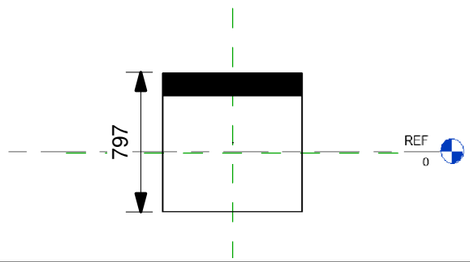
CATEGORY **Duct Accessories**

LOD-G **300**

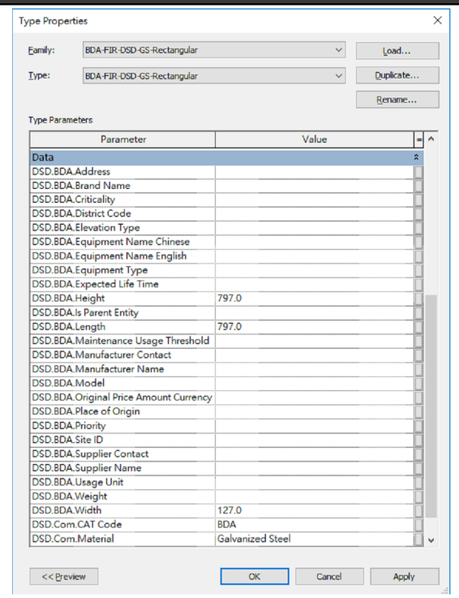




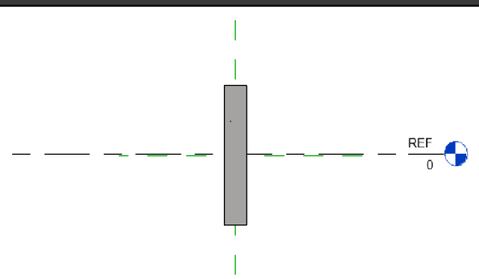
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

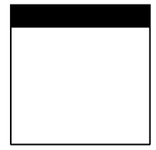
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Damper Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDA	01/04/2019	01/04/2019	Galvanized Steel

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Drainage Services Department

BIM OBJECT SHEET

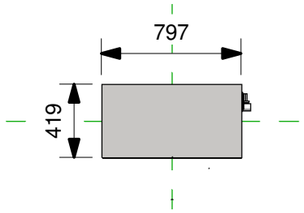
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2621**
	DATE **07-2020**	
	REVISION **0**	

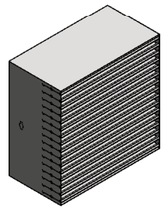
INPUT

Object Name **BDA-SMO-DSD-GS-Rectangular**

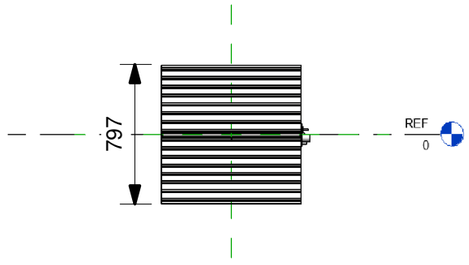
CATEGORY **Duct Accessories**

LOD-G **300**

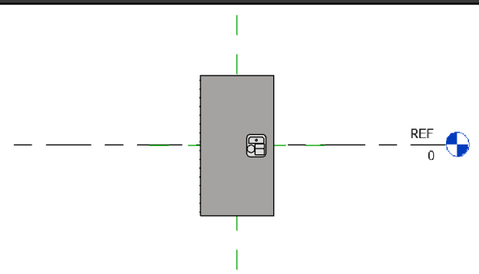




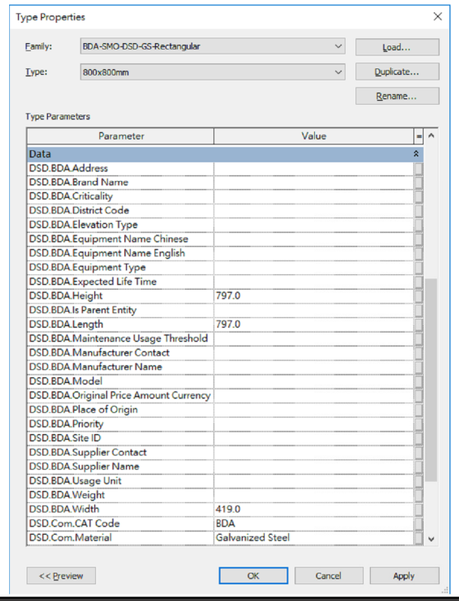
PLAN



FRONT ELEVATION / SECTION



3D



SIDE ELEVATION / SECTION | **FAMILY VIEW : PARAMETER**

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

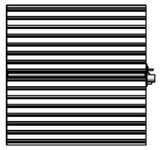
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Damper Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDA	01/04/2019	01/04/2019	Galvanized Steel

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Drainage Services Department

BIM OBJECT SHEET

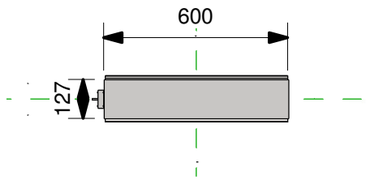
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2622**
	DATE **07-2020**	
	REVISION **0**	

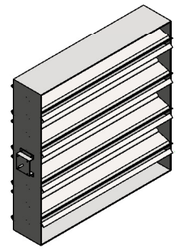
INPUT

Object Name **BDA-VOC-DSD-SS-Rectangular**

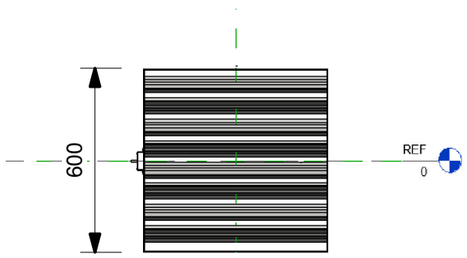
CATEGORY **Duct Accessories**

LOD-G **300**

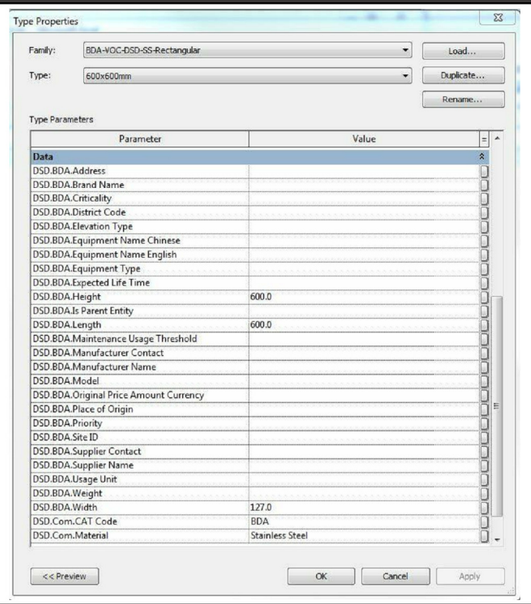




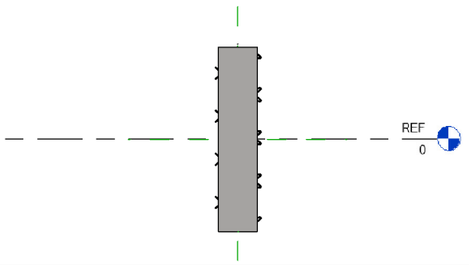
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

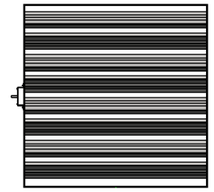
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Damper Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDA	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

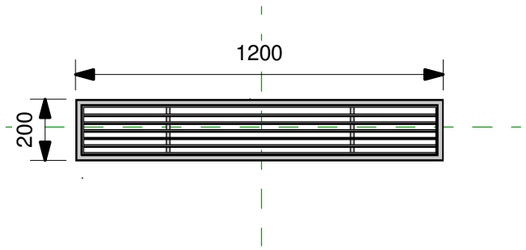
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2623**
	DATE **07-2020**	
	REVISION **0**	

INPUT

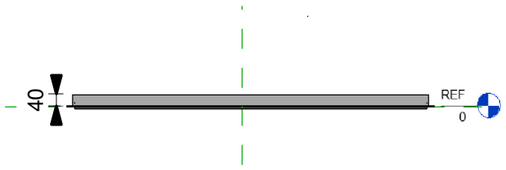
Object Name **BGR-EXH-DSD-AL-____**

CATEGORY **Air Terminals**

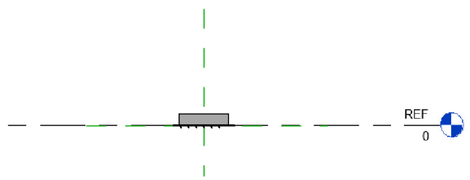
LOD-G **300**



PLAN

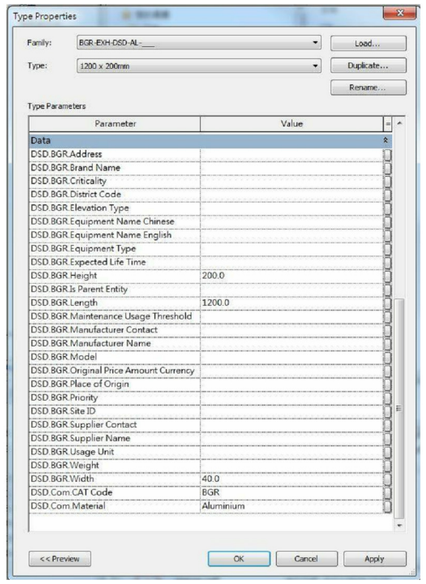


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

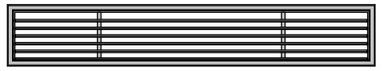
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Grille Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BGR	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

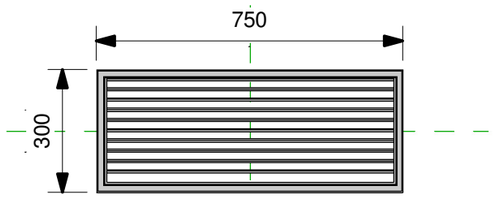
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2624**
	DATE **07-2020**	
	REVISION **0**	

INPUT

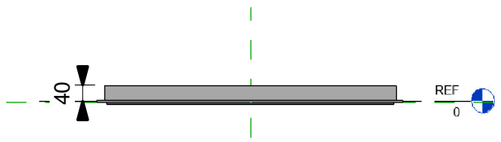
Object Name **BGR-REA-DSD-AL-___**

CATEGORY **Air Terminals**

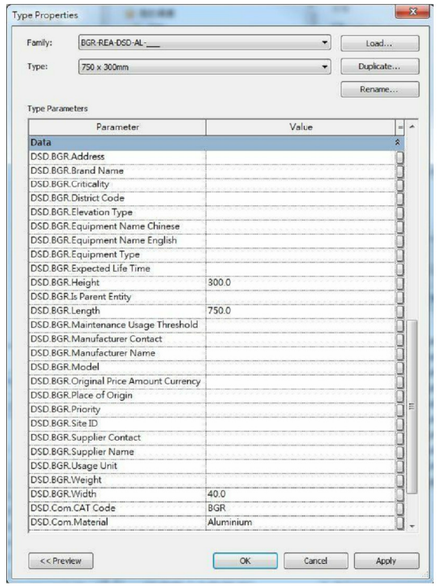
LOD-G **300**



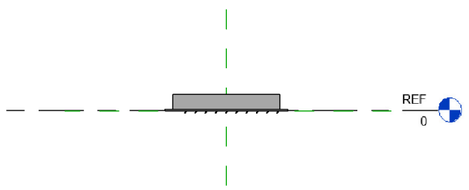
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

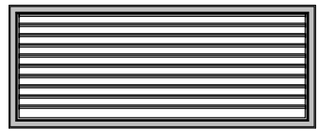
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Grille Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BGR	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

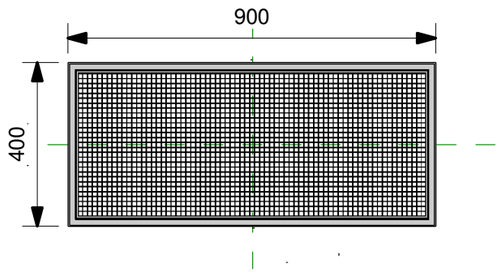
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **07-2020**	**DSD-OS-2625**
	REVISION **0**	

INPUT

Object Name **BGR-SUA-DSD-AL-___**

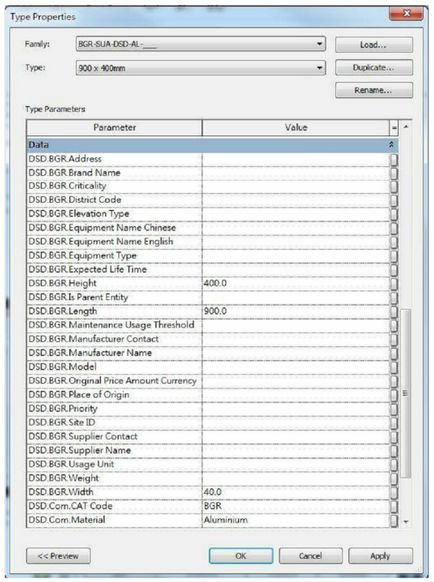
CATEGORY **Air Terminals**

LOD-G **300**

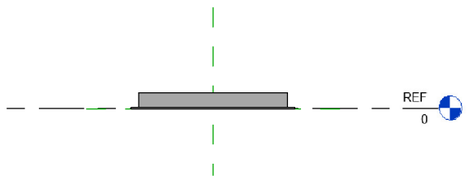


PLAN

3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

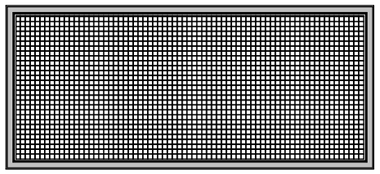
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Grille Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BGR	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

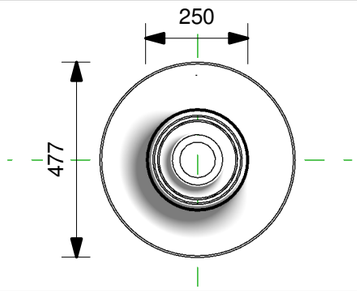
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2626**
	DATE **07-2020**	
	REVISION **0**	

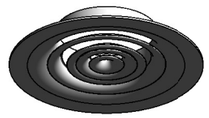
INPUT

Object Name **BDI-EXH-DSD-AL-___**

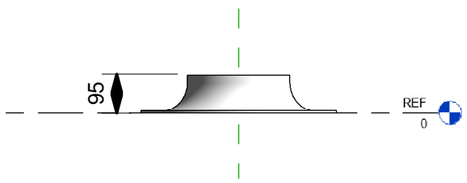
CATEGORY **Air Terminals**

LOD-G **300**

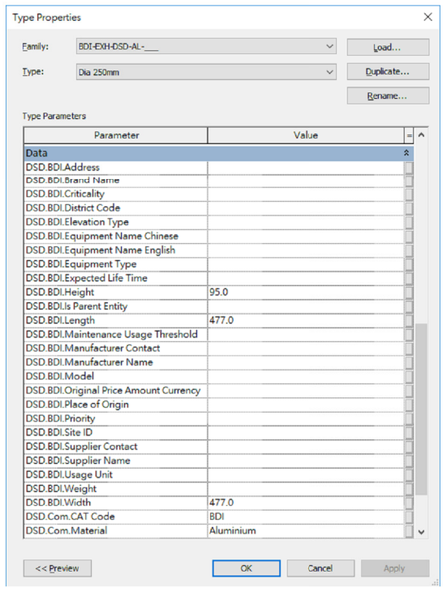




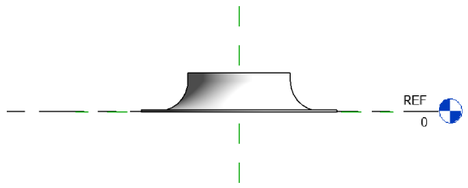
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

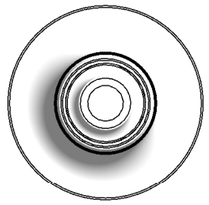
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Diffuser Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDI	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

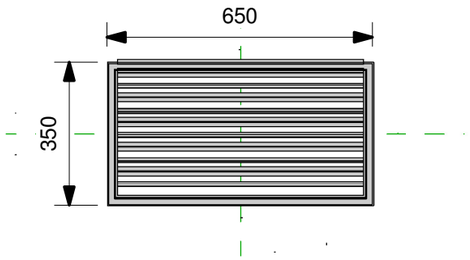
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2627**
	DATE **07-2020**	
	REVISION **0**	

INPUT

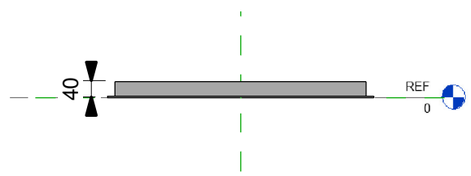
Object Name **BDI-REA-DSD-AL-___**

CATEGORY **Air Terminals**

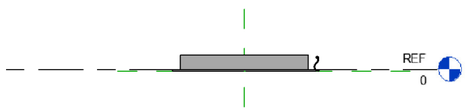
LOD-G **300**



PLAN

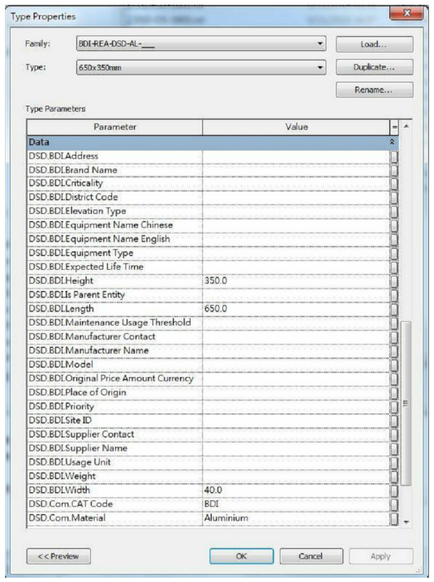


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

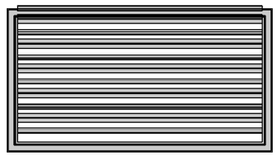
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Diffuser Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDI	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

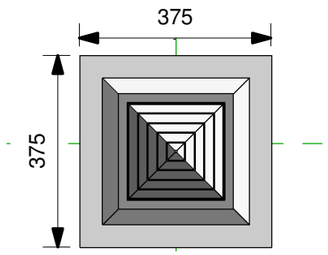
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2628**
	DATE **07-2020**	
	REVISION **0**	

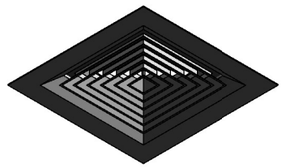
INPUT

Object Name **BDI-SUA-DSD-AL-___**

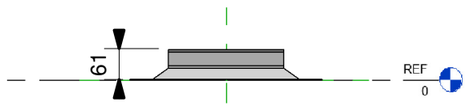
CATEGORY **Air Terminals**

LOD-G **300**

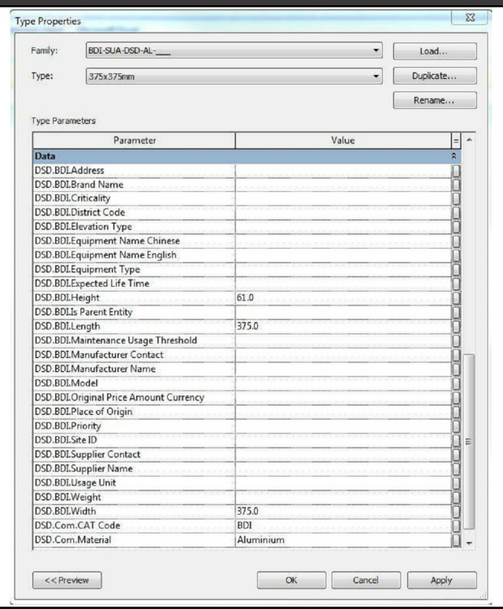




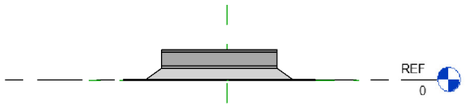
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

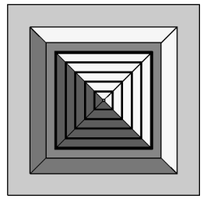
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Diffuser Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDI	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

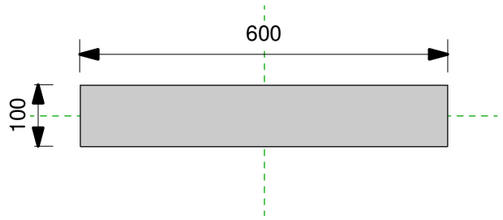
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2629**
	DATE **07-2020**	
	REVISION **0**	

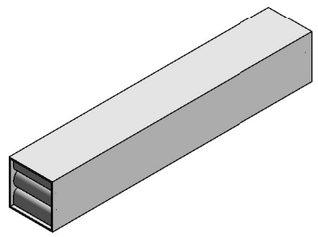
INPUT

Object Name **BSI-___-DSD-ST-___**

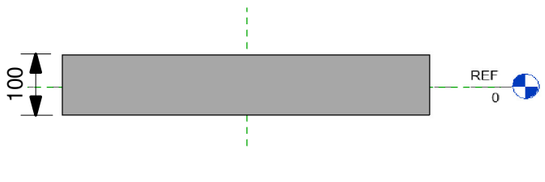
CATEGORY **Dcut Accessories**

LOD-G **300**

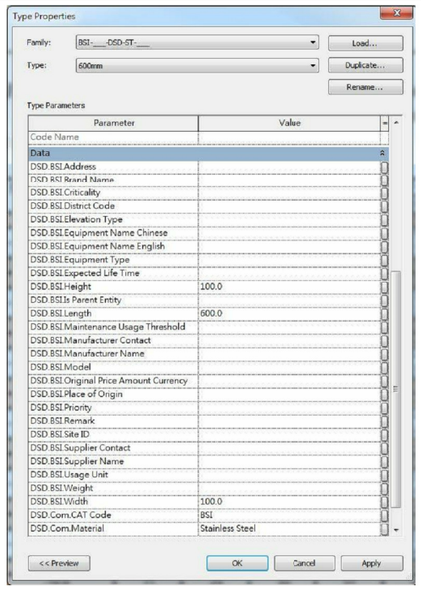




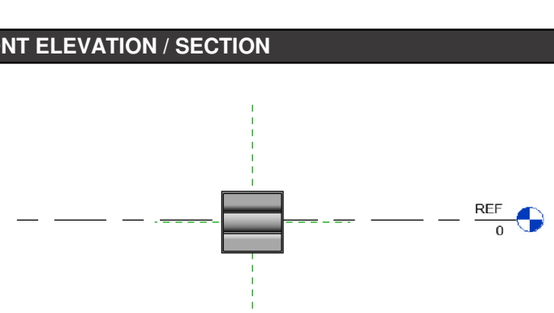
PLAN



3D



FRONT ELEVATION / SECTION

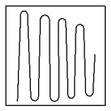


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BSI / DI_BSI



2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Silencer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BSI	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

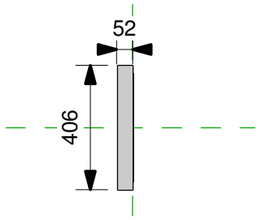
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **05-2020**	**DSD-OS-2630**
	REVISION **0**	

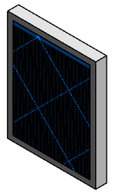
INPUT

Object Name **BFI-___-DSD-SS-___**

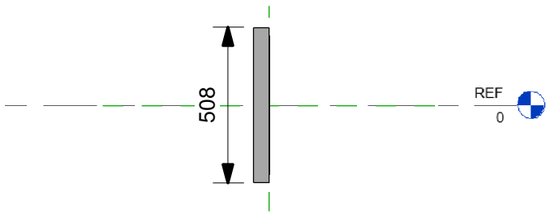
CATEGORY **Mechanical Equipment**

LOD-G **300**

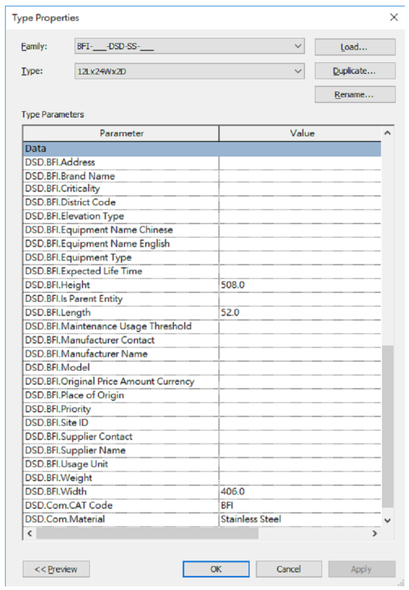




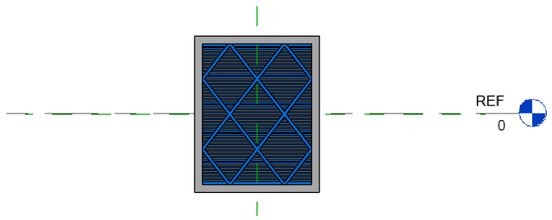
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

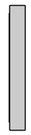
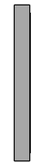
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Filter Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFI	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

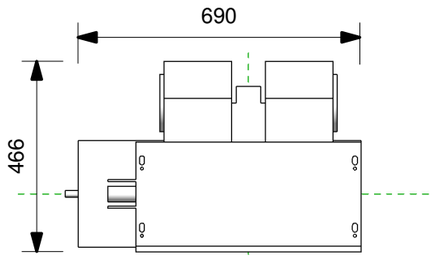
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2631**
	DATE **07-2020**	
	REVISION **0**	

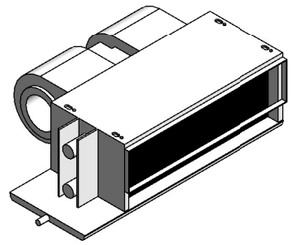
INPUT

Object Name **BFC-___-DSD-ST-___**

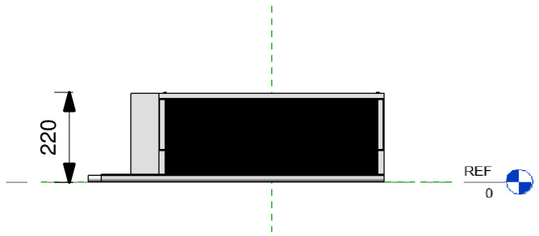
CATEGORY **Mechanical Equipment**

LOD-G **300**

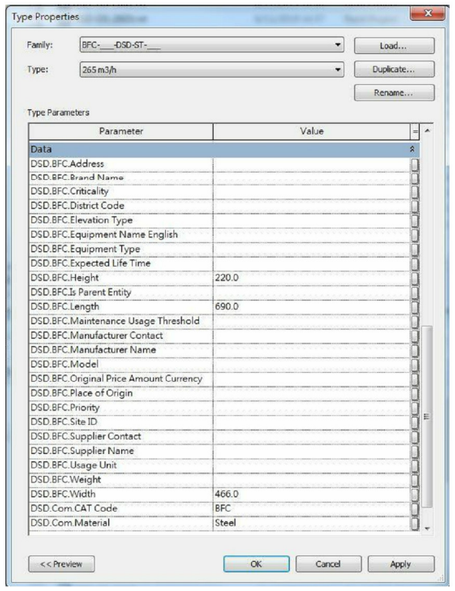




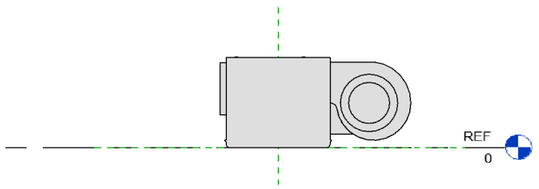
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFC / DI_BFC

FCU

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
FCU		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fan Coil Unit Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFC	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

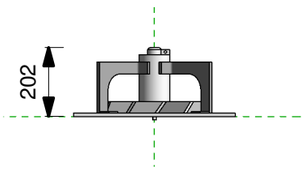
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2632**
	DATE **07-2020**	
	REVISION **0**	

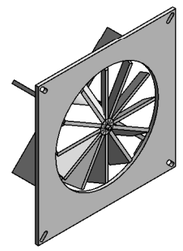
INPUT

Object Name **BFA-AXI-DSD-ST-___**

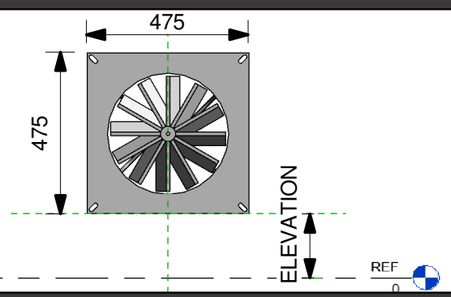
CATEGORY **Mechanical Equipment**

LOD-G **300**

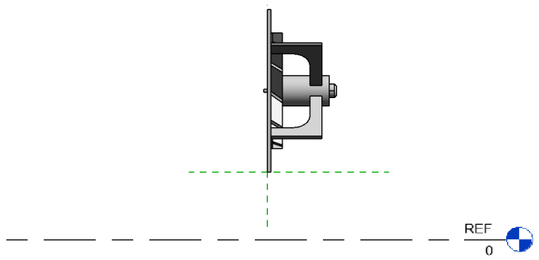




PLAN

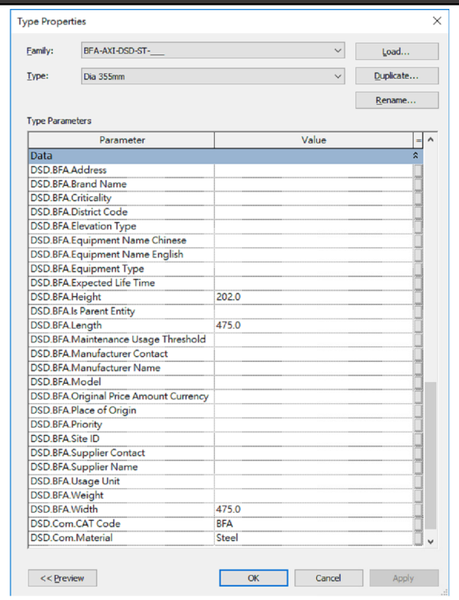


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

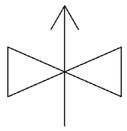
3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFA_AXI / DI_BFA_AXI



2D SYMBOL

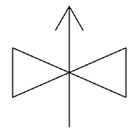
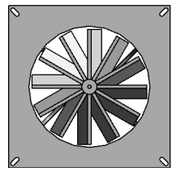
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fan Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFA	01/04/2019	01/04/2019	Steel

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Drainage Services Department

BIM OBJECT SHEET

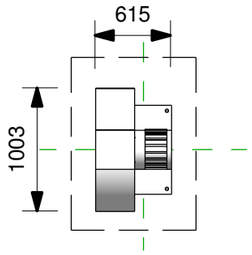
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2633**
	DATE **05-2020**	
	REVISION **0**	

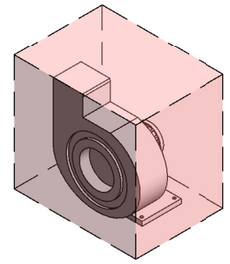
INPUT

Object Name **BFA-CEN-DSD-SS-___**

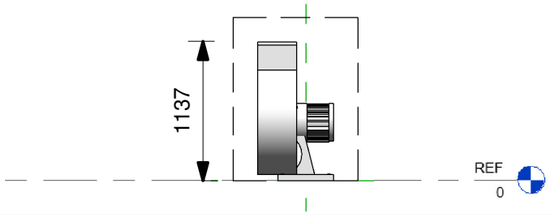
CATEGORY **Mechanical Equipment**

LOD-G **300**

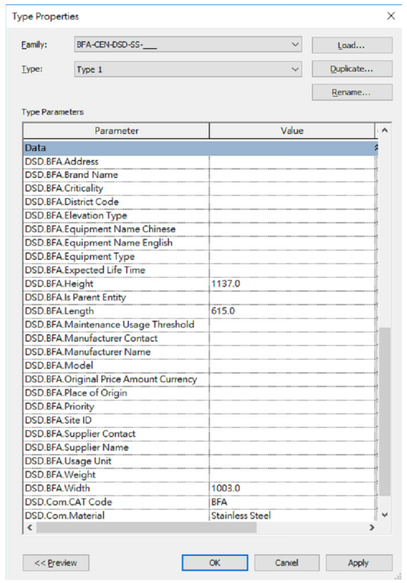




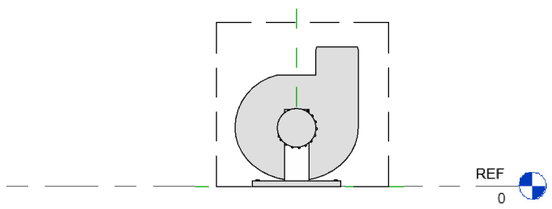
PLAN



3D



FRONT ELEVATION / SECTION

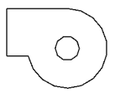


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFA_CEN / DI_BFA_CEN



2D SYMBOL

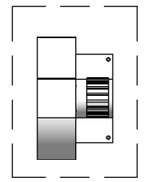
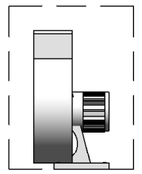
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fan Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFA	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

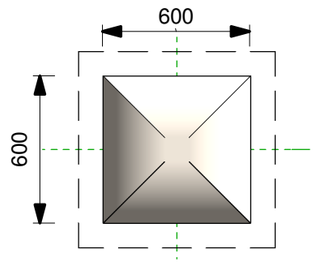
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2634**
	DATE **07-2020**	
	REVISION **0**	

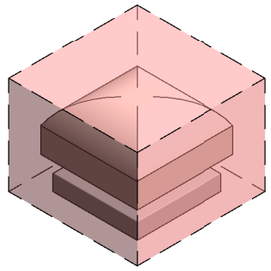
INPUT

Object Name **BFA-ROE-DSD-ST-___**

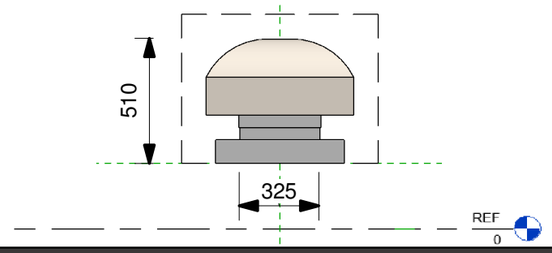
CATEGORY **Mechanical Equipment**

LOD-G **300**

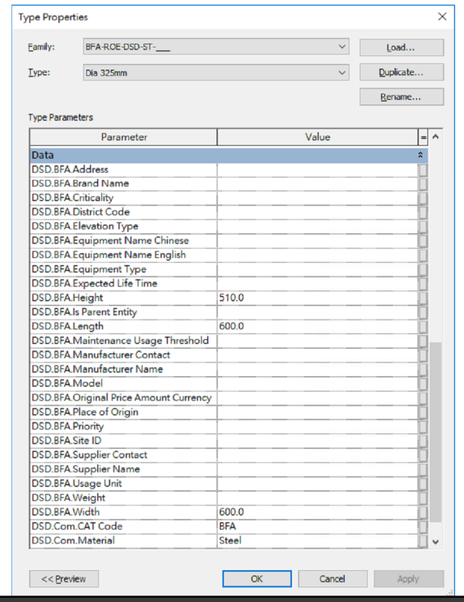




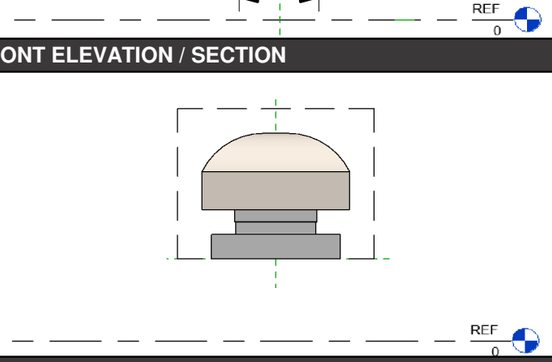
PLAN



3D



FRONT ELEVATION / SECTION

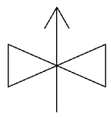


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFA_ROE / DI_BFA_ROE



2D SYMBOL

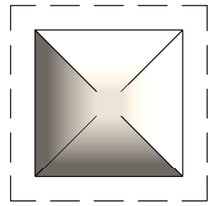
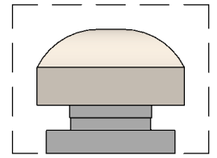
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fan Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFA	01/04/2019	01/04/2019	Steel

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BIM OBJECT SHEET

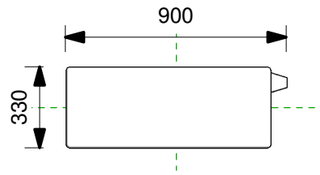
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2635**
	DATE **07-2020**	
	REVISION **0**	

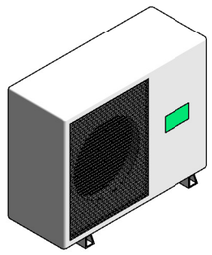
INPUT

Object Name **BAC-SPT-DSD-ME-Outdoor**

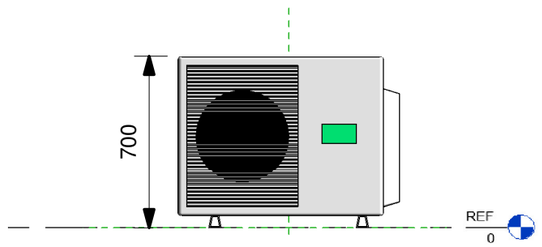
CATEGORY **Mechanical Equipment**

LOD-G **300**

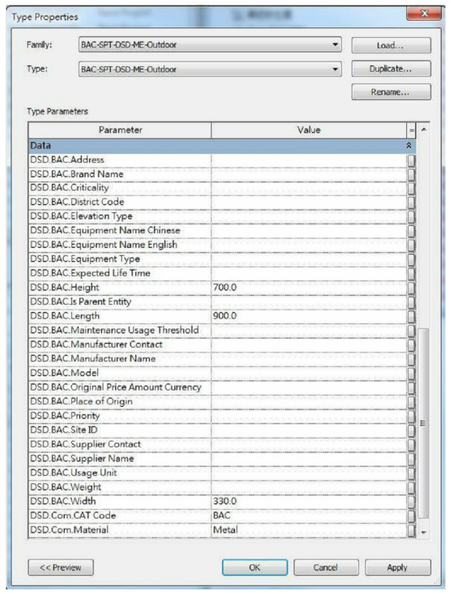




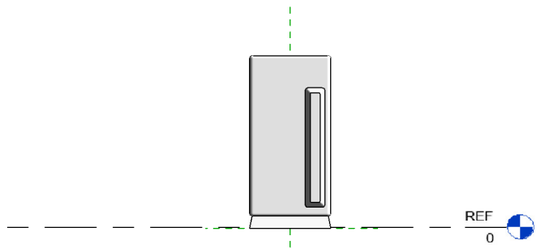
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BAC_SPT / DI_BAC_SPT

CON

2D SYMBOL

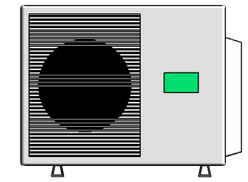
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
CON		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Air Conditioner Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BAC	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

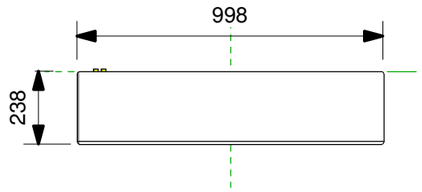
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2636**
	DATE **07-2020**	
	REVISION **0**	

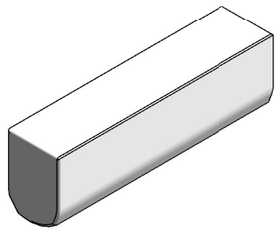
INPUT

Object Name **BAC-SPT-DSD-ME-Indoor_W**

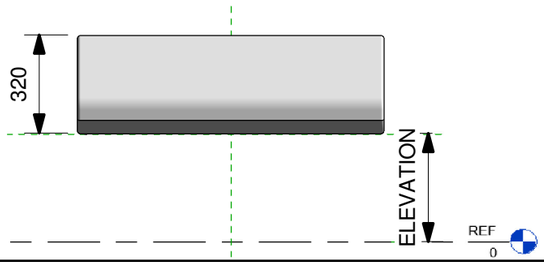
CATEGORY **Mechanical Equipment**

LOD-G **300**

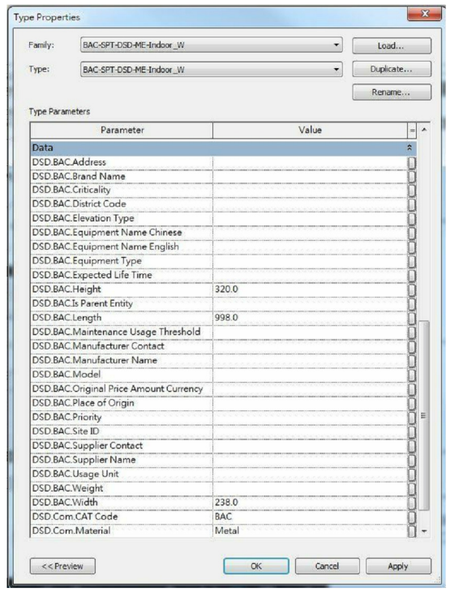




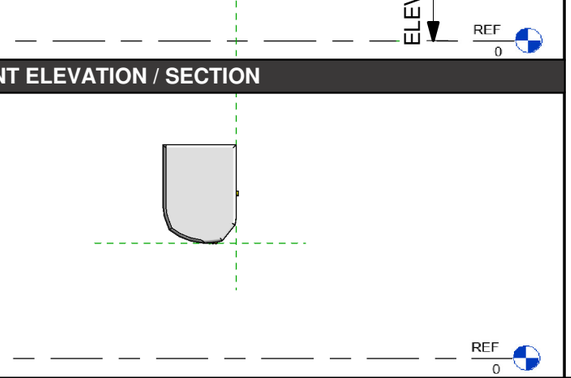
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BAC_SPT / DI_BAC_SPT

A/C

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
A/C		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Air Conditioner Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BAC	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

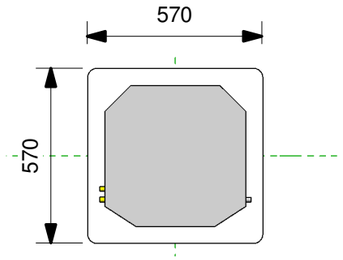
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **07-2020**	**DSD-OS-2637**
	REVISION **0**	

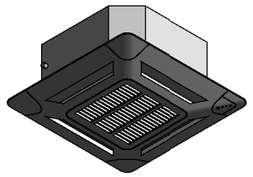
INPUT

Object Name **BAC-SPT-DSD-ME-Indoor_C**

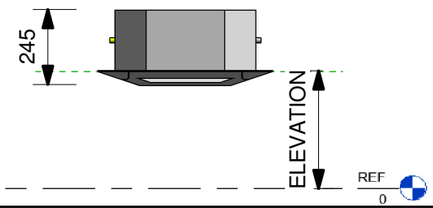
CATEGORY **Mechanical Equipment**

LOD-G **300**

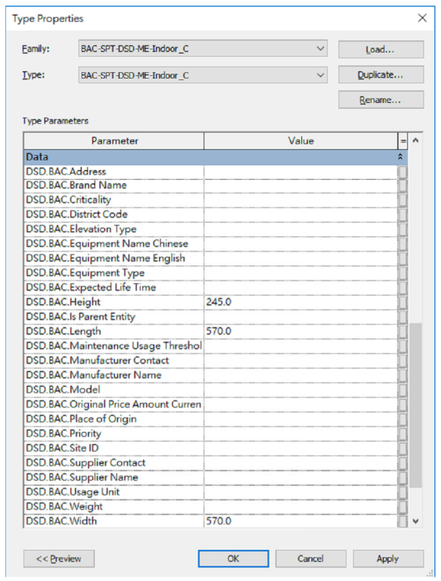




PLAN



3D



FRONT ELEVATION / SECTION

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BAC_SPT / DI_BAC_SPT

A/C

2D SYMBOL

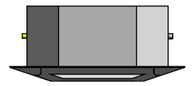
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
A/C		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Air Conditioner Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BAC	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

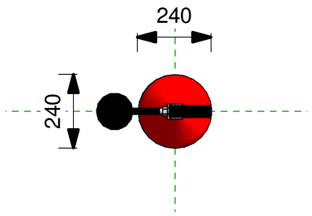
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2638**
	DATE **07-2020**	
	REVISION **0**	

INPUT

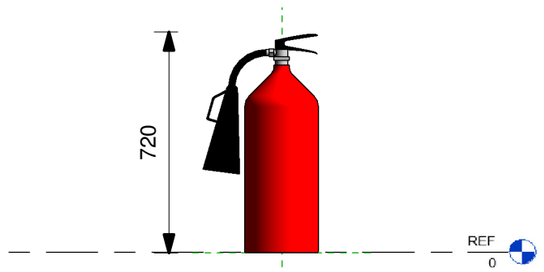
Object Name **BFE-CO2-DSD-AL-___**

CATEGORY **Special Equipment**

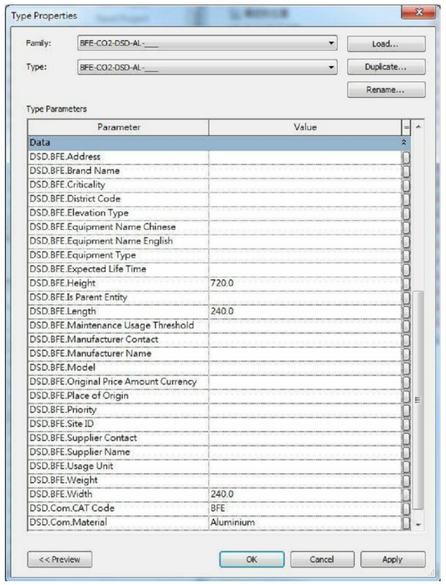
LOD-G **300**



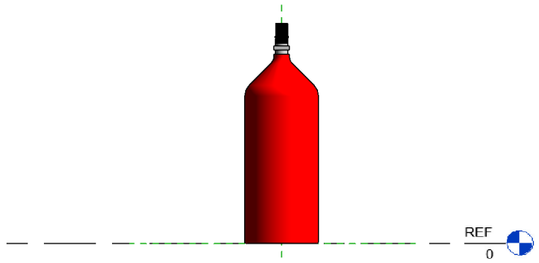
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFE_CO2 / DI_BFE_CO2

CO_2

2D SYMBOL

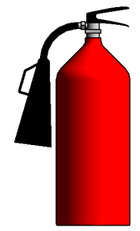
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
CO_2		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Extinguisher Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFE	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

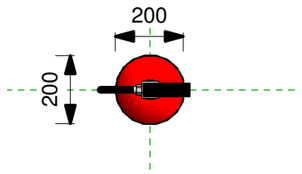
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **07-2020**	**DSD-OS-2639**
	REVISION **0**	

INPUT

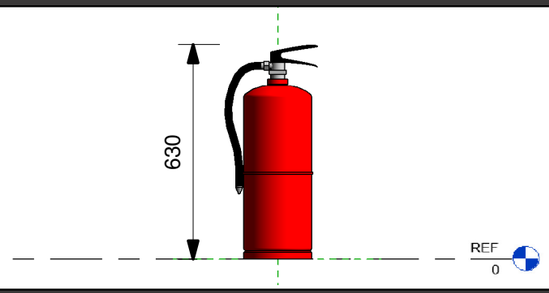
Object Name **BFE-H2O-DSD-AL-___**

CATEGORY **Special Equipment**

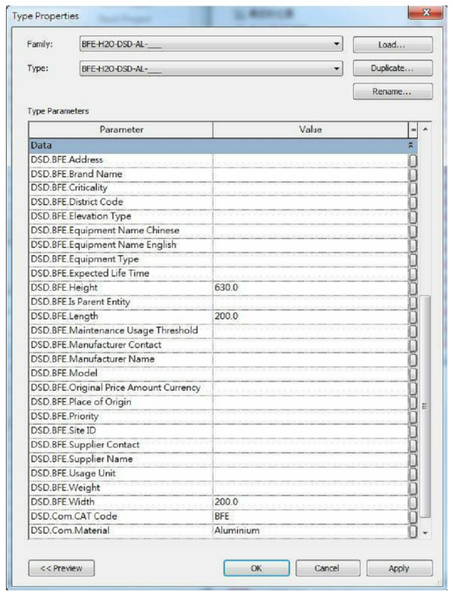
LOD-G **300**



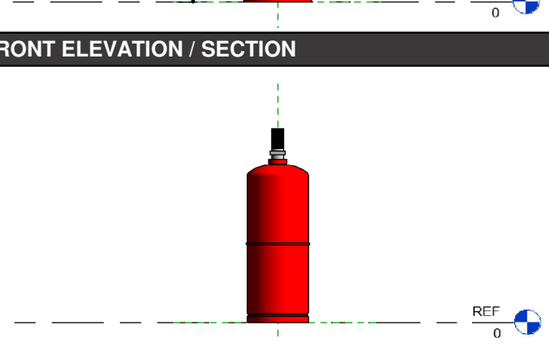
PLAN



3D



FRONT ELEVATION / SECTION

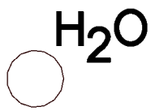


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFE_H2O / DI_BFE_H2O



2D SYMBOL

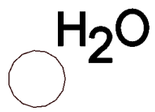
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Extinguisher Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFE	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

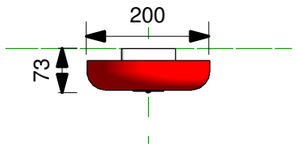
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2640**
	DATE **05-2020**	
	REVISION **0**	

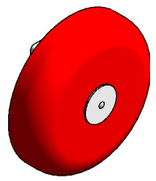
INPUT

Object Name **BFS-BEL-DSD-ME-Gong**

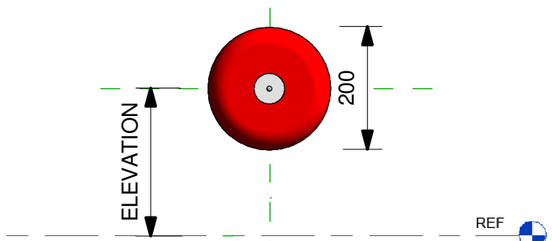
CATEGORY **Fire Alarm Devices**

LOD-G **300**

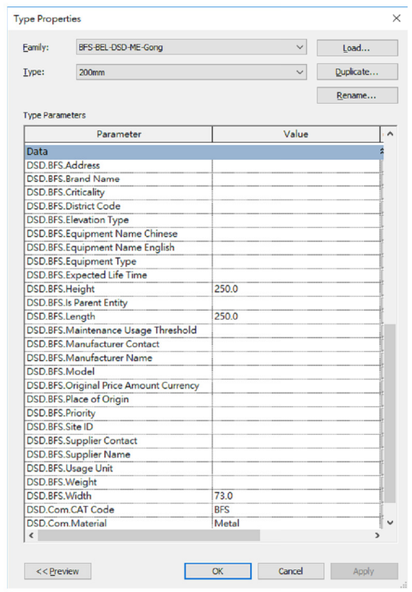




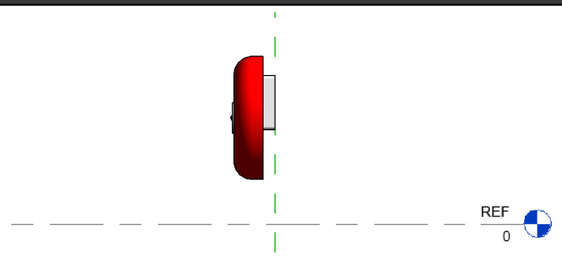
PLAN



3D



FRONT ELEVATION / SECTION

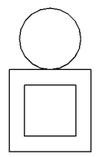


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFS_BEL / DI_BFS_BEL



2D SYMBOL

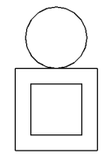
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Alarm Audio / Visual Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFS	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

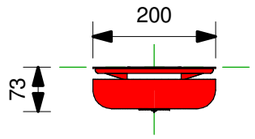
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2641**
	DATE **05-2020**	
	REVISION **0**	

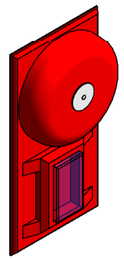
INPUT

Object Name **BFS-BEL-DSD-ME-Flash**

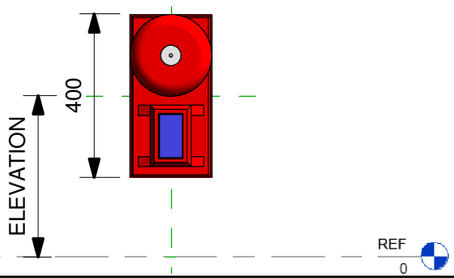
CATEGORY **Fire Alarm Devices**

LOD-G **300**

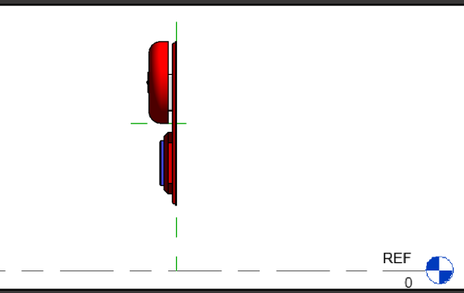




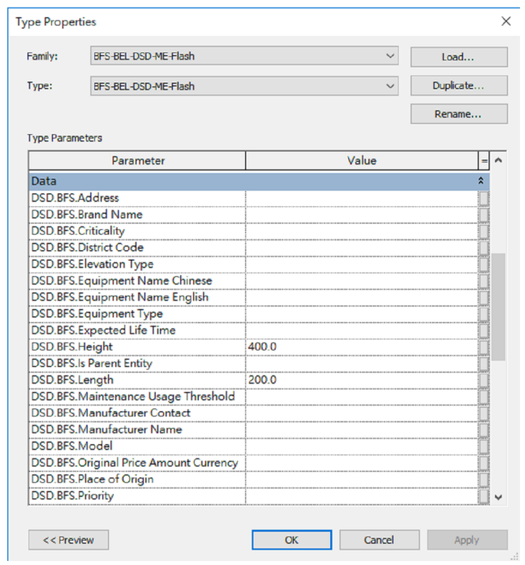
PLAN



FRONT ELEVATION / SECTION



3D

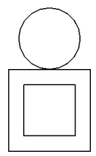


3D GEOMETRY

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

Anno_BFS_BEL / DI_BFS_BEL



2D SYMBOL

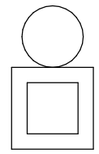
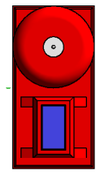
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Alarm Audio / Visual Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFS	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

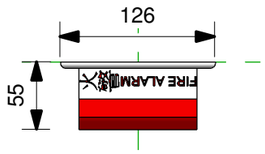
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2642**
	DATE **05-2020**	
	REVISION **0**	

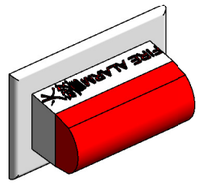
INPUT

Object Name **BFS-LAM-DSD-PL-___**

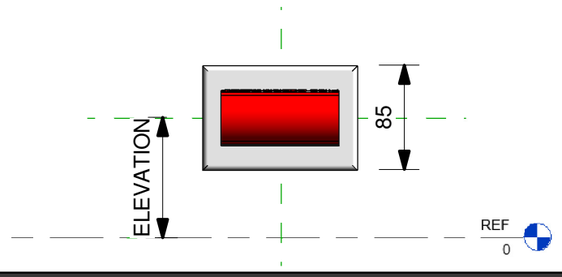
CATEGORY **Fire Alarm Devices**

LOD-G **300**

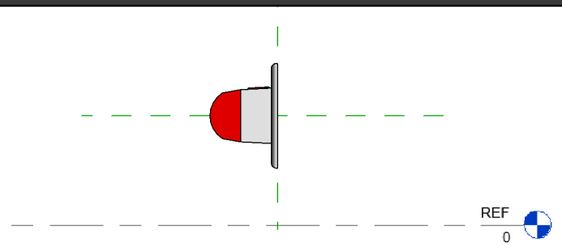




PLAN

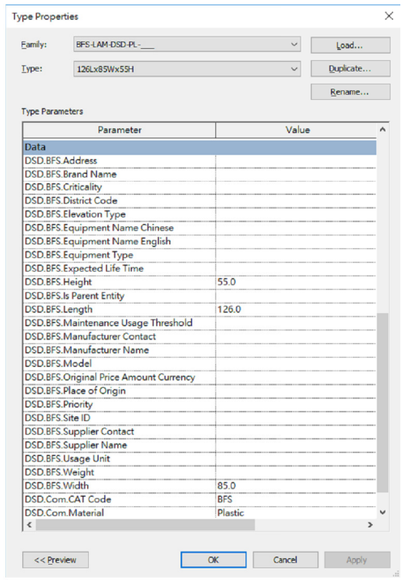


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

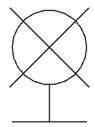
3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFS_LAM / DI_BFS_LAM



2D SYMBOL

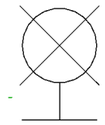
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Alarm Audio / Visual Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFS	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

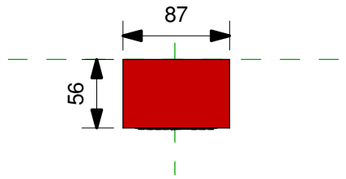
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2643**
	DATE **05-2020**	
	REVISION **0**	

INPUT

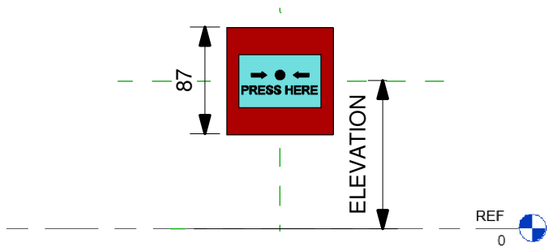
Object Name **BFB-BGU-DSD-ME-___**

CATEGORY **Fire Alarm Devices**

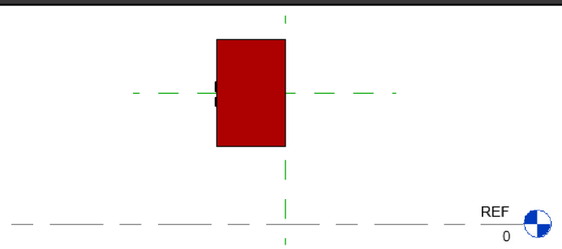
LOD-G **300**



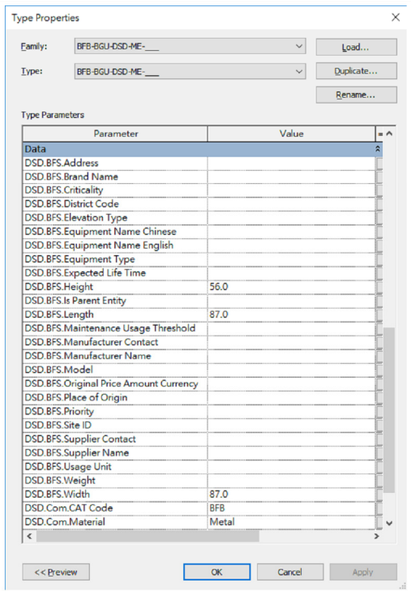
PLAN



FRONT ELEVATION / SECTION



3D

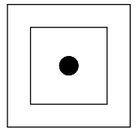


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFB_BGU/ DI_BFB_BGU



2D SYMBOL

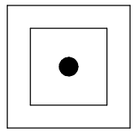
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Breakglass Unit Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFB	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

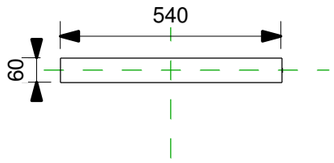
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2644**
	DATE **05-2020**	
	REVISION **0**	

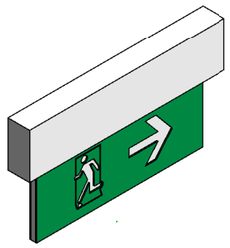
INPUT

Object Name **BFX-DIR-DSD-ME-Ceiling**

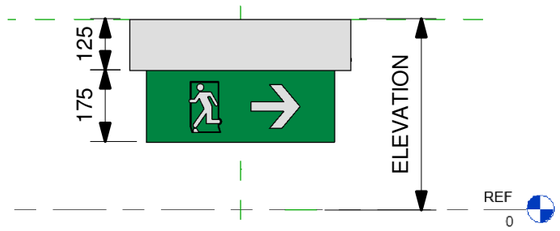
CATEGORY **Lighting Fixtures**

LOD-G **300**

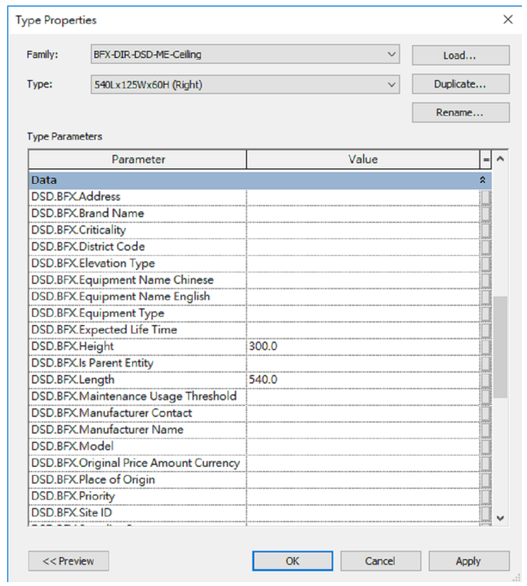




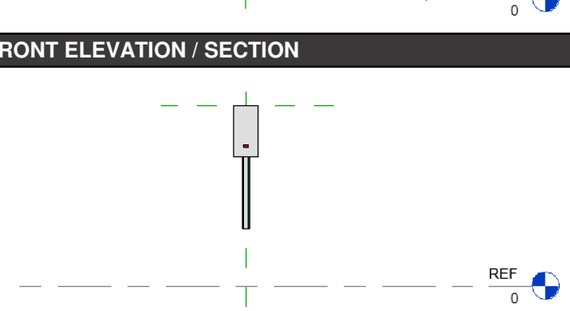
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFX_DIR / DI_BFX_DIR

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Exit Sign Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFX	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

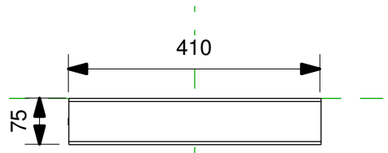
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2645**
	DATE **05-2020**	
	REVISION **0**	

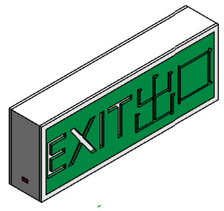
INPUT

Object Name **BFX-EXT-DSD-ME-Wall**

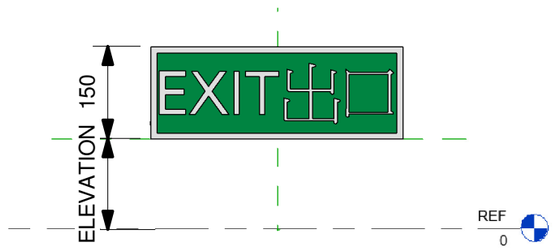
CATEGORY **Lighting Fixtures**

LOD-G **300**

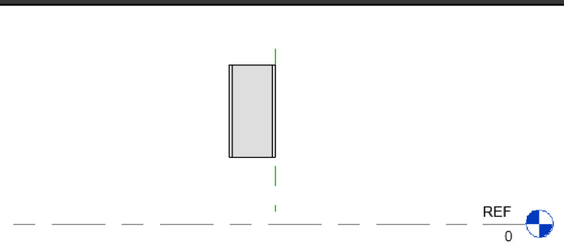




PLAN

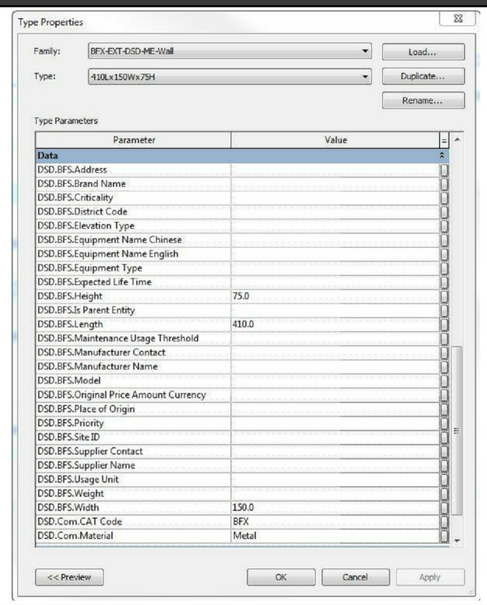


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFX_EXT / DI_BFX_EXT

EXIT

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
EXIT		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Exit Sign Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFX	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

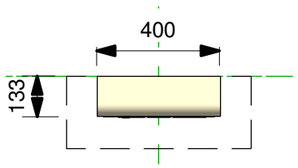
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2646**
	DATE **05-2020**	
	REVISION **0**	

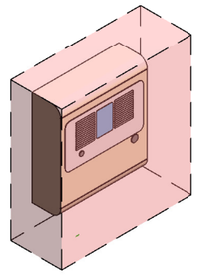
INPUT

Object Name **BFP-MAI-DSD-MS-___**

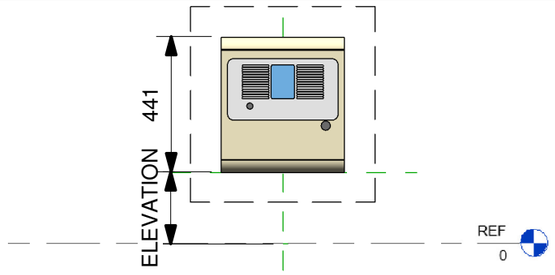
CATEGORY **Electrical Equipment**

LOD-G **300**

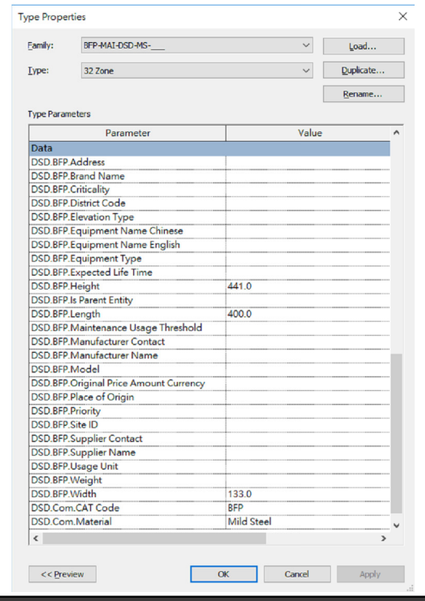




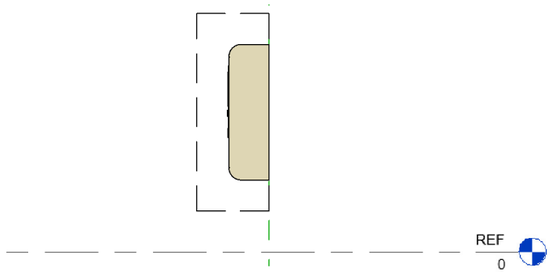
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFP_MAI / DI_BFP_MAI

MF

2D SYMBOL

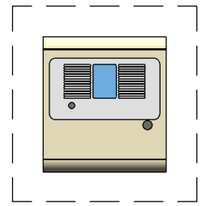
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
MF		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Alam Panel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFP	01/04/2019	01/04/2019	Mild Steel

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Drainage Services Department

BIM OBJECT SHEET

QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2647**
	DATE **07-2020**	
	REVISION **0**	

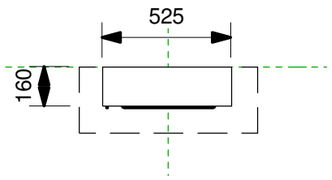
INPUT

Object Name **BFP-WPL-DSD-MS-___**

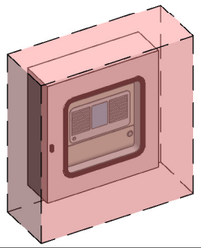
CATEGORY **Electrical Equipment**

LOD-G **300**

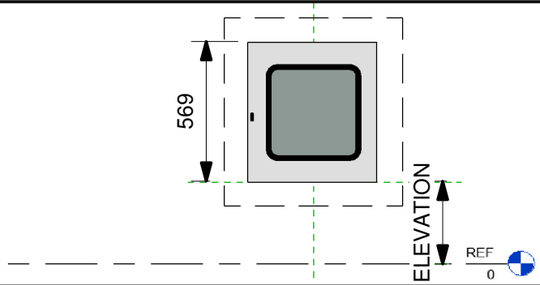
PLAN



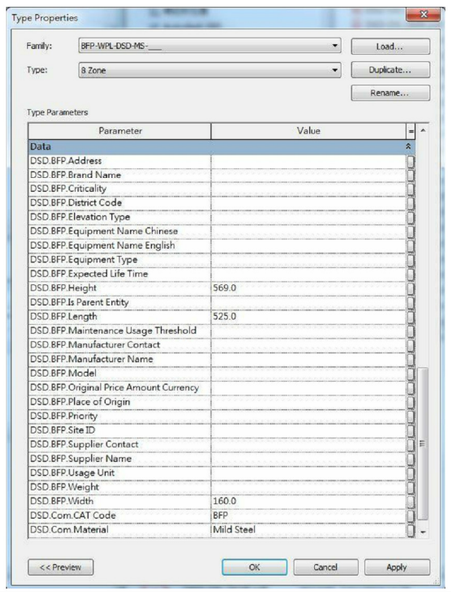
3D



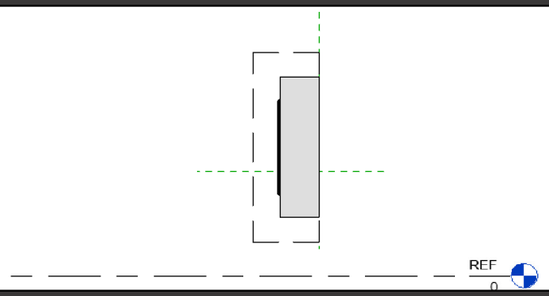
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFP_WPL / DI_BFP_WPL

LW

2D SYMBOL

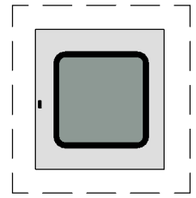
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
LW		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Alarm Panel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFP	01/04/2019	01/04/2019	Mild Steel

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BIM OBJECT SHEET

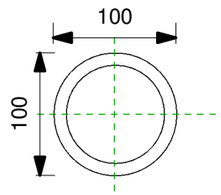
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2648**
	DATE **07-2020**	
	REVISION **0**	

INPUT

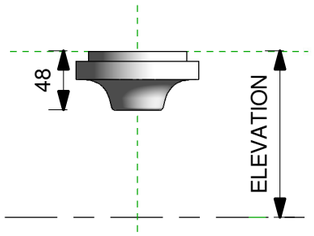
Object Name **BFD-FLA-DSD-PL-___**

CATEGORY **Fire Alarm Devices**

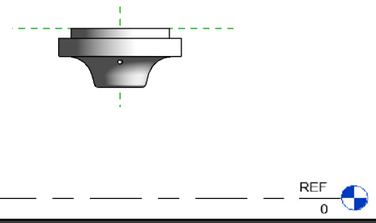
LOD-G **300**



PLAN

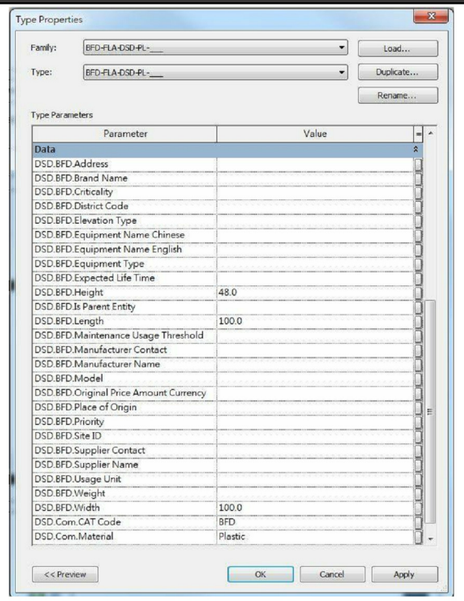


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFD_FLA / DI_BFD_FLA

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Detector Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFD	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

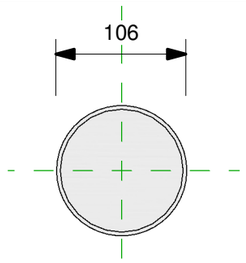
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2649**
	DATE **05-2020**	
	REVISION **0**	

INPUT

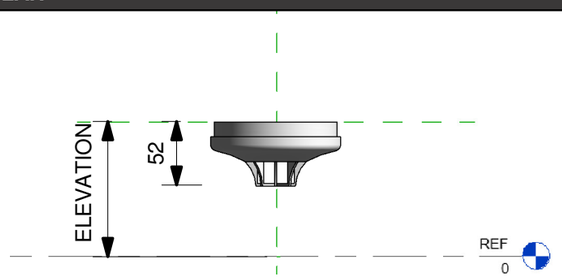
Object Name **BFD-HEA-DSD-ABS-___**

CATEGORY **Fire Alarm Devices**

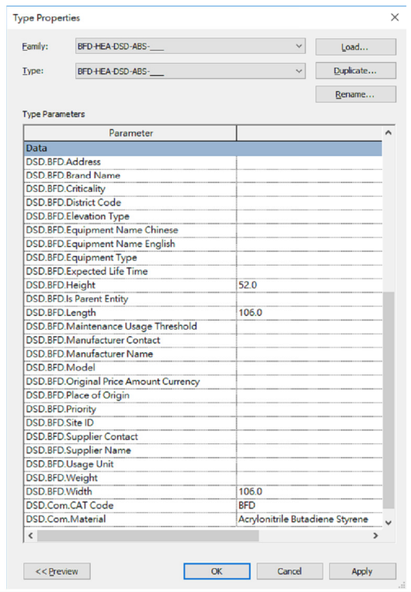
LOD-G **300**



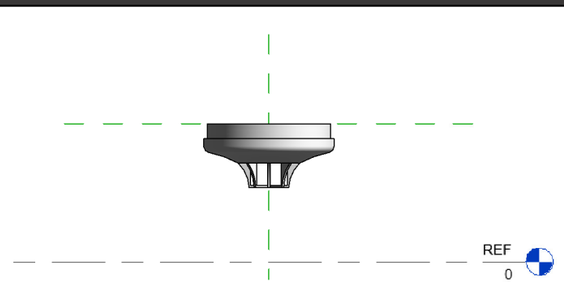
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFD_HEA / DI_BFD_HEA

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Detector Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFD	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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BIM OBJECT SHEET

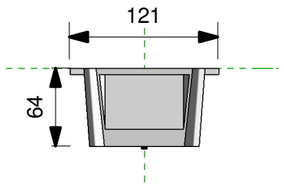
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2650**
	DATE **07-2020**	
	REVISION **0**	

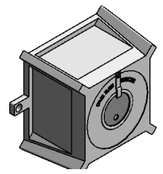
INPUT

Object Name **BFD-INR-DSD-SS-___**

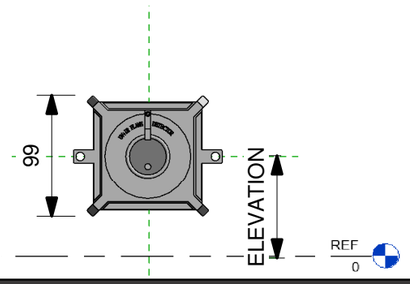
CATEGORY **Fire Alarm Devices**

LOD-G **300**

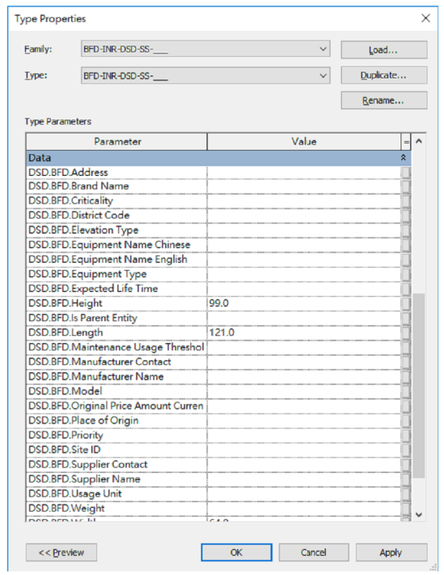




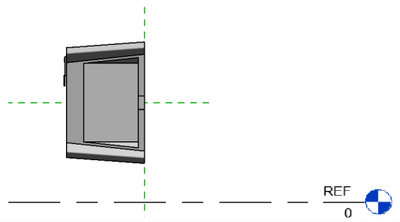
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFD_INR / DI_BFD_INR

IR

2D SYMBOL

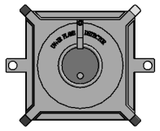
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
IR		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Detector Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFD	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

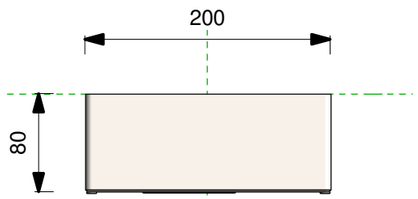
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2651**
	DATE **07-2020**	
	REVISION **0**	

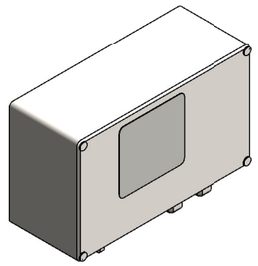
INPUT

Object Name **BFD-LIH-DSD-PL-___**

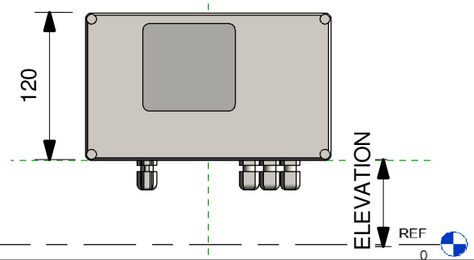
CATEGORY **Fire Alarm Devices**

LOD-G **300**

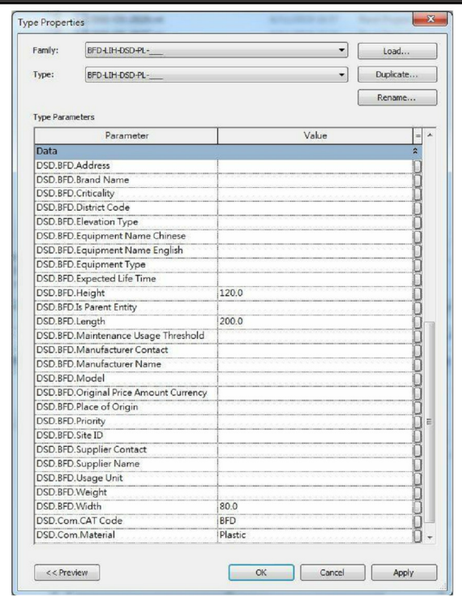




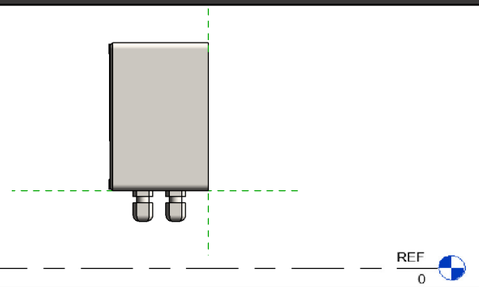
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFD_LIH / DI_BFD_LIH

2D SYMBOL

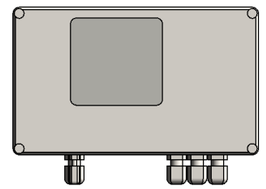
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
LH		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Detector Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFD	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

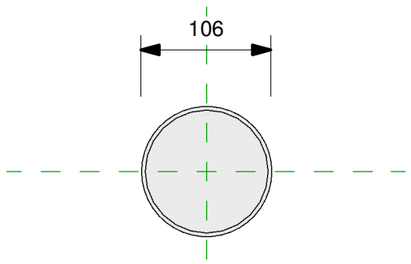
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2652**
	DATE **05-2020**	
	REVISION **0**	

INPUT

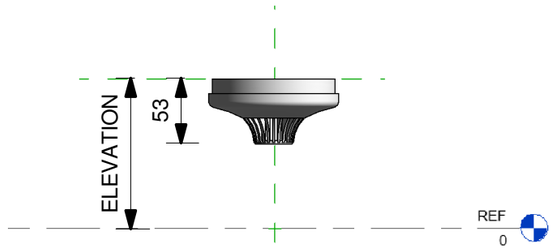
Object Name **BFD-SMO-DSD-ABS-___**

CATEGORY **Fire Alarm Devices**

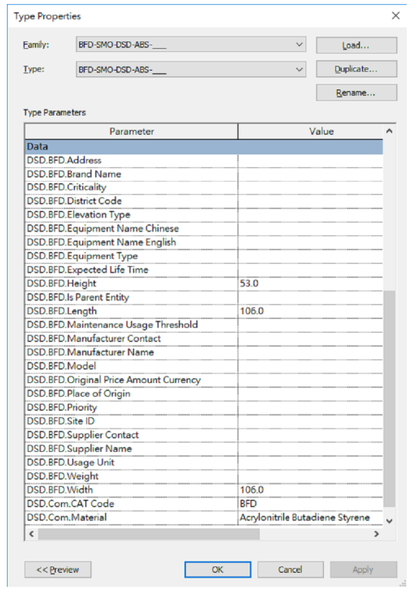
LOD-G **300**



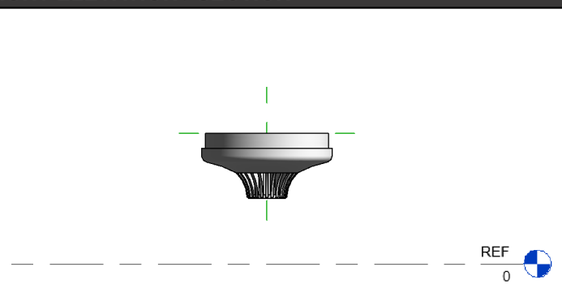
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFD_SMO / DI_BFD_SMO

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Detector Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFD	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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BIM OBJECT SHEET

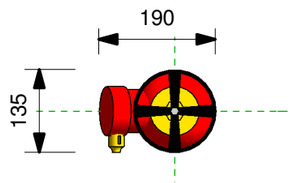
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2653**
	DATE **07-2020**	
	REVISION **0**	

INPUT

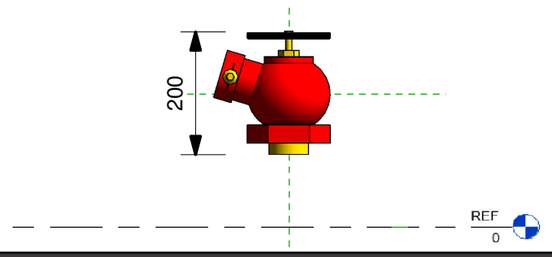
Object Name **BFH-___-DSD-ME-___**

CATEGORY **Mechanical Equipment**

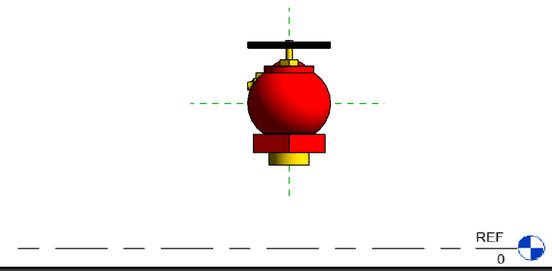
LOD-G **300**



PLAN

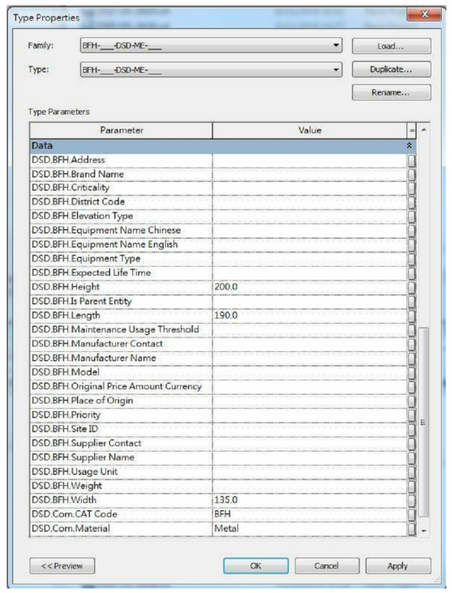


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

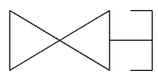
3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFH / DI_BFH



2D SYMBOL

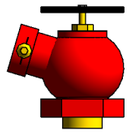
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Fire Hydrant Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFH	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

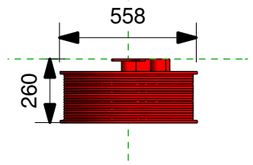
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2654**
	DATE **07-2020**	
	REVISION **0**	

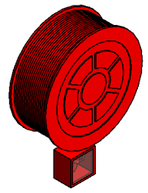
INPUT

Object Name **BHR-___-DSD-PL-___**

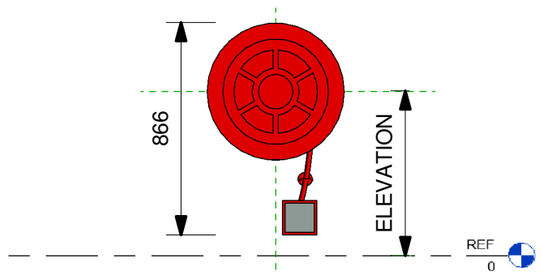
CATEGORY **Mechanical Equipment**

LOD-G **300**

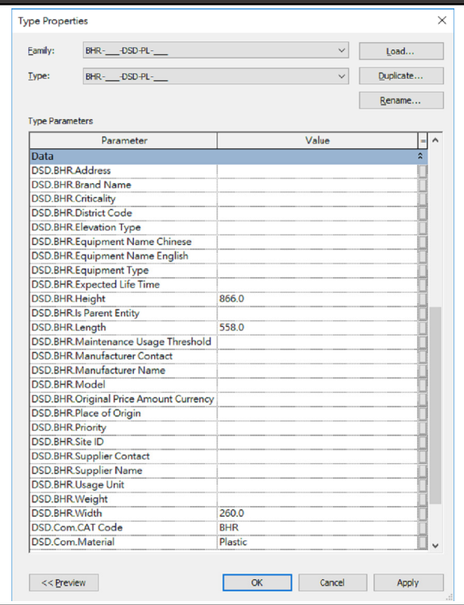




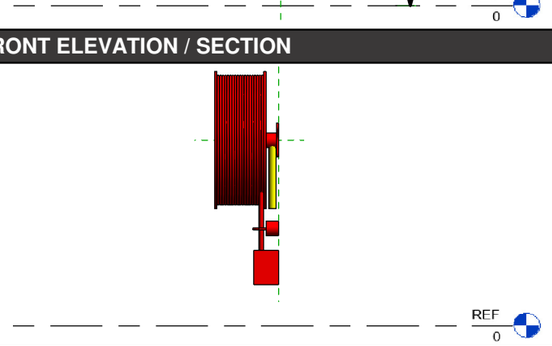
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BHR / DI_BHR

2D SYMBOL

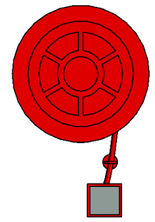
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Hose Reel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BHR	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

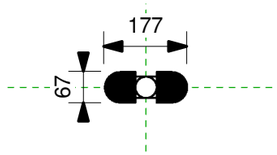
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **07-2020**	**DSD-OS-2655**
	REVISION **0**	

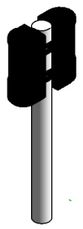
INPUT

Object Name **BSE-INR-DSD-PL-___**

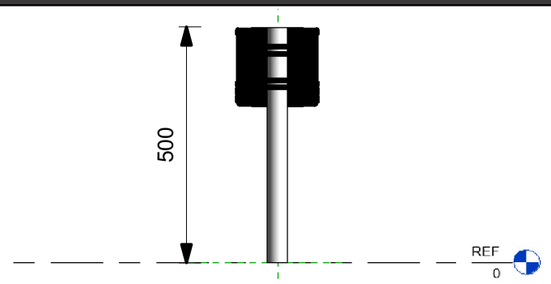
CATEGORY **Security Devices**

LOD-G **300**

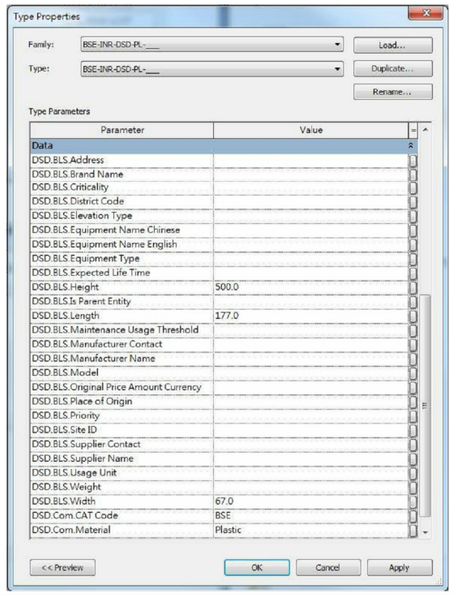




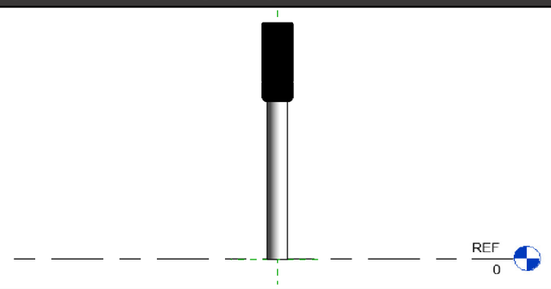
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BSE / DI_BSE

BLS

2D SYMBOL

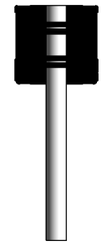
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
BLS		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Burglar Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BSE	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

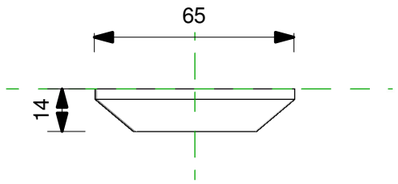
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2656**
	DATE **07-2020**	
	REVISION **0**	

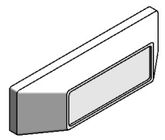
INPUT

Object Name **BSE-ELM-DSD-ME-___**

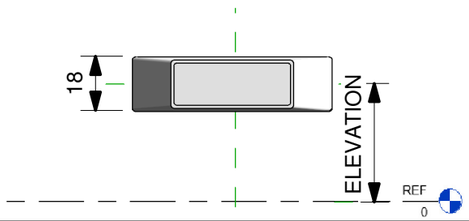
CATEGORY **Security Devices**

LOD-G **300**

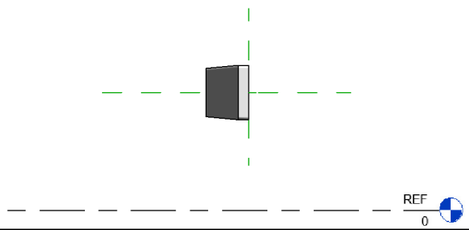




PLAN

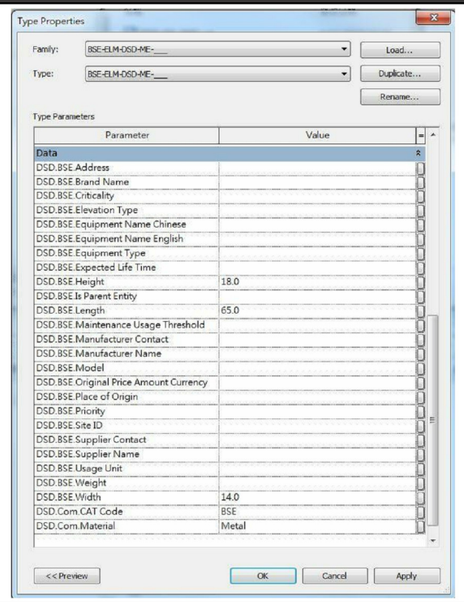


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BSE / DI_BSE

BL

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
BL		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Burglar Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BSE	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

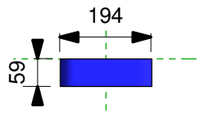
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2657**
	DATE **07-2020**	
	REVISION **0**	

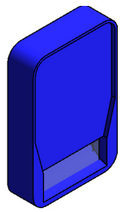
INPUT

Object Name **BAB-___-DSD-PL-___**

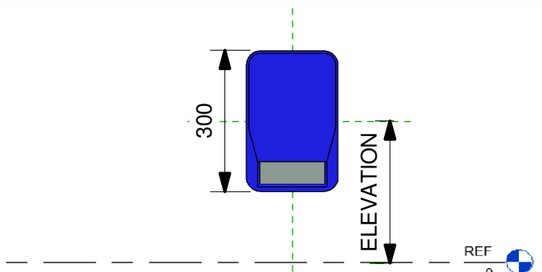
CATEGORY **Security Devices**

LOD-G **300**

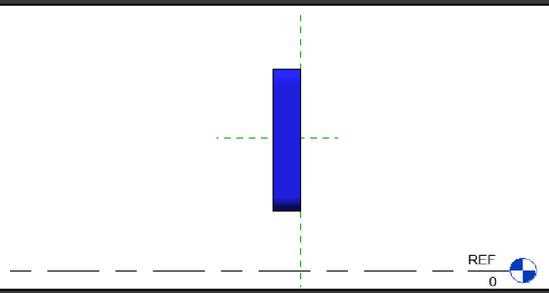




PLAN

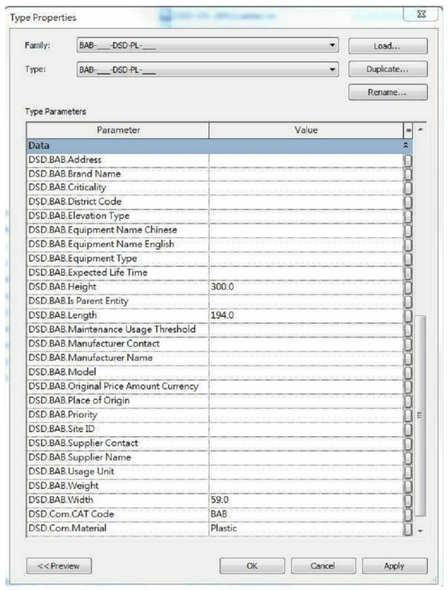


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

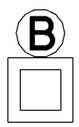
3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BAB / DI_BAB



2D SYMBOL

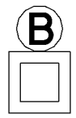
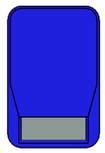
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Burglar Alarm Bell Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BAB	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

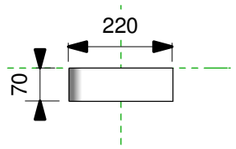
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **07-2020**	**DSD-OS-2658**
	REVISION **0**	

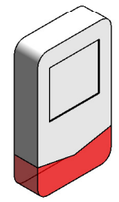
INPUT

Object Name **BFL-___-DSD-PL-___**

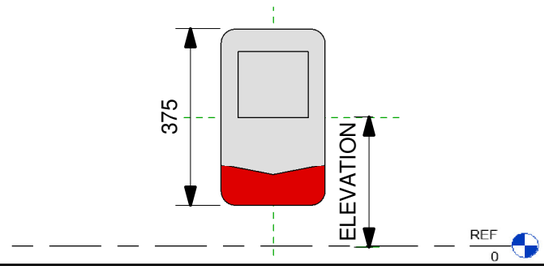
CATEGORY **Security Devices**

LOD-G **300**

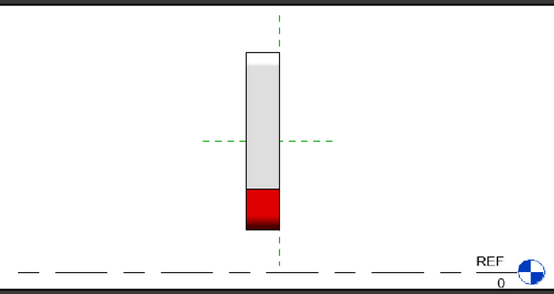




PLAN

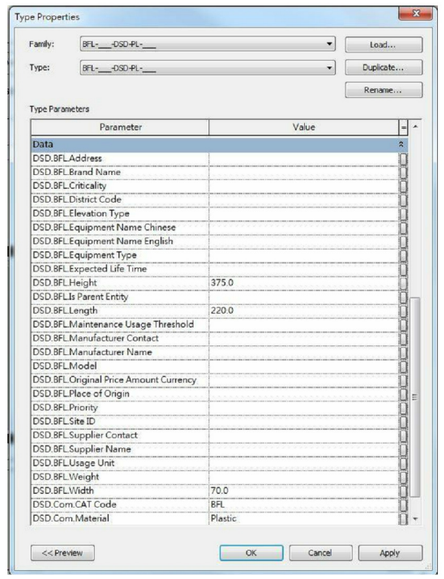


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BFL / DI_BFL

2D SYMBOL

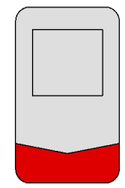
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Burglar Flashing Light Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BFL	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

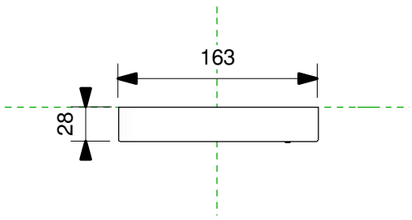
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2659**
	DATE **07-2020**	
	REVISION **0**	

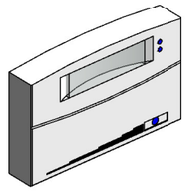
INPUT

Object Name **BAP-___-DSD-ME-___**

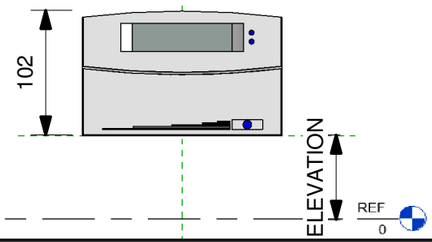
CATEGORY **Electrical Equipment**

LOD-G **300**

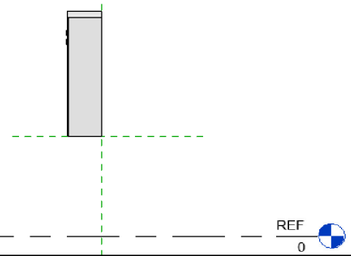




PLAN

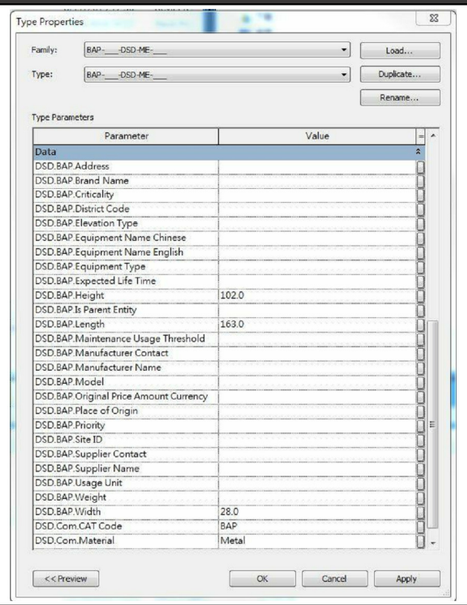


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BAP / DI_BAP

BAP

2D SYMBOL

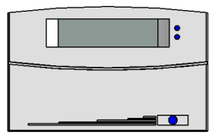
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
BAP		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Burglar Alarm Panel Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BAP	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

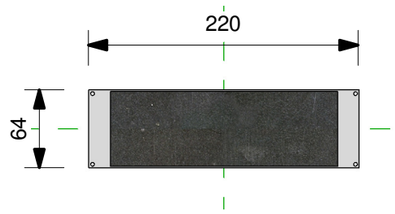
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2660**
	DATE **05-2020**	
	REVISION **0**	

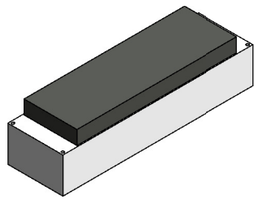
INPUT

Object Name **BDL-ELM-DSD-SS-___**

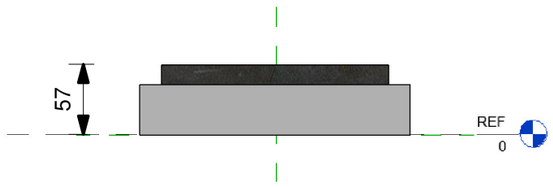
CATEGORY **Security Devices**

LOD-G **300**

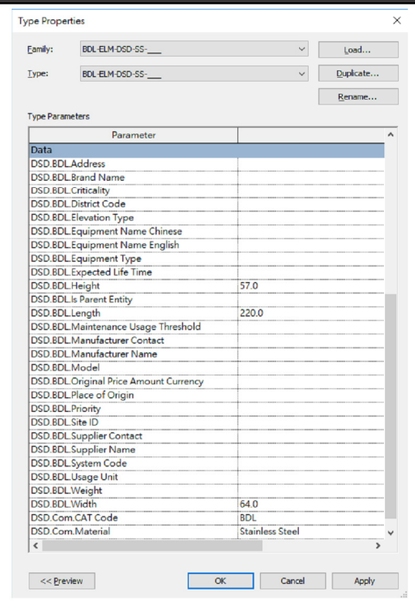




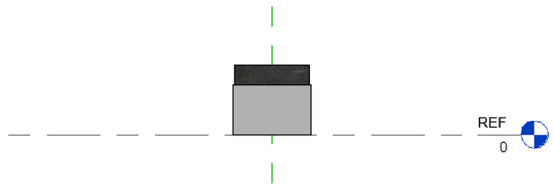
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDL / DI_BDL_ELD

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Door Lock Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDL	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

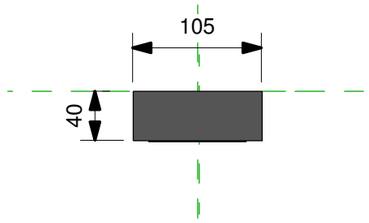
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2661**
	DATE **05-2020**	
	REVISION **0**	

INPUT

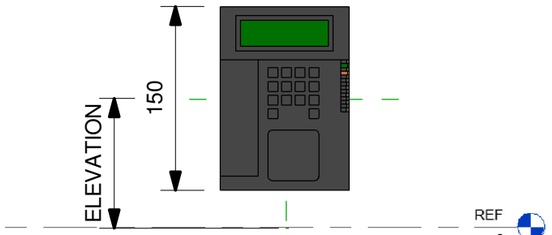
Object Name **BCR-___-DSD-PL-___**

CATEGORY **Security Devices**

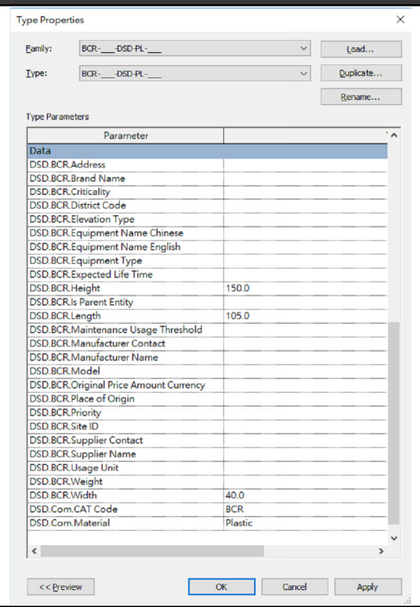
LOD-G **300**



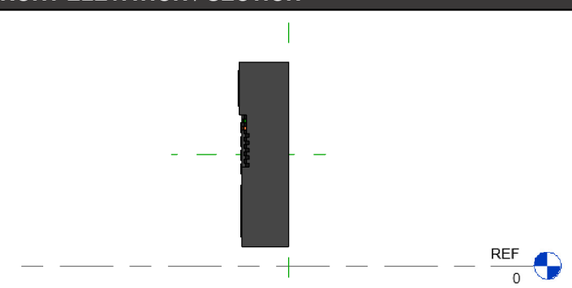
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BCR / DI_BCR

CR

2D SYMBOL

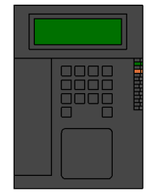
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
CR		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Card Reader Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BCR	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

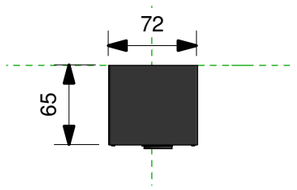
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2662**
	DATE **07-2020**	
	REVISION **0**	

INPUT

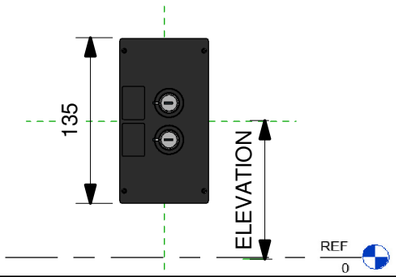
Object Name **BOK-___-DSD-ME-___**

CATEGORY **Security Devices**

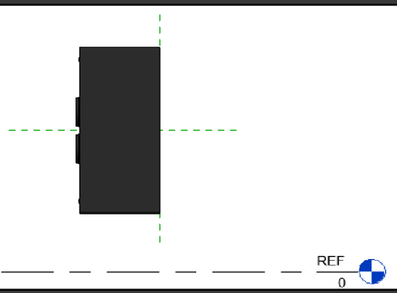
LOD-G **300**



PLAN

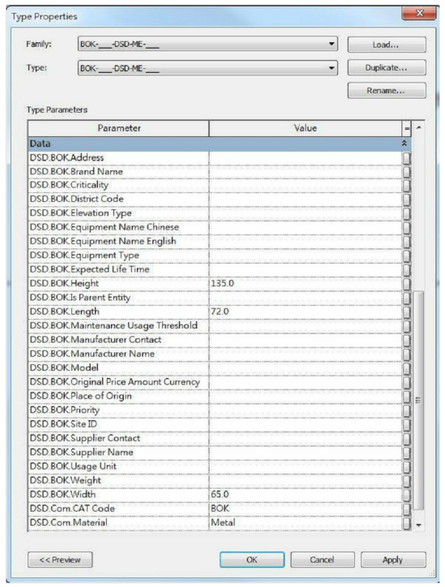


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BOK / DI_BOK

2D SYMBOL

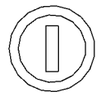
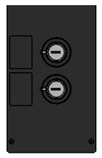
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Override Keyswitch Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BOK	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

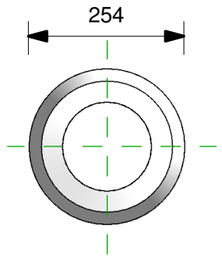
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2663**
	DATE **05-2020**	
	REVISION **0**	

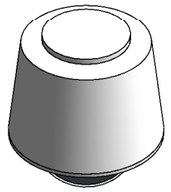
INPUT

Object Name **BCA-DOM-DSD-AL-Ceiling**

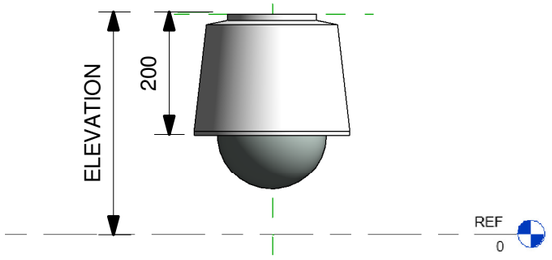
CATEGORY **Security Devices**

LOD-G **300**

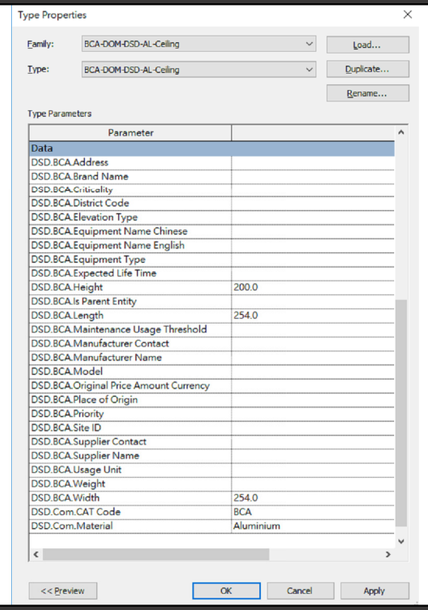




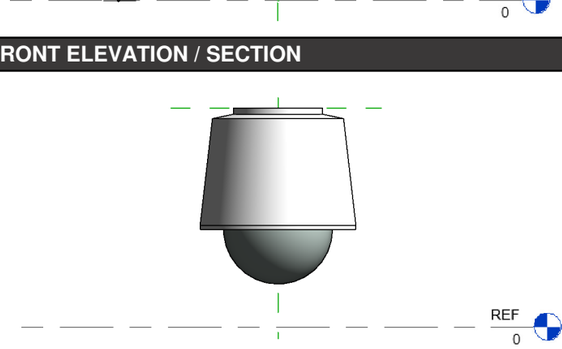
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BCA_DOM / DI_BCA_DOM

2D SYMBOL

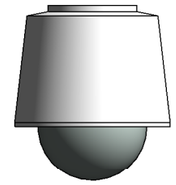
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
D		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Camera Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BCA	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

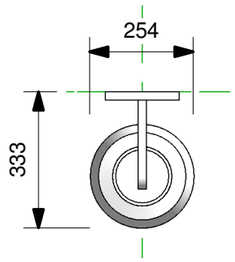
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **05-2020**	**DSD-OS-2664**
	REVISION **0**	

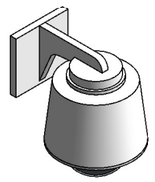
INPUT

Object Name **BCA-DOM-DSD-AL-Wall**

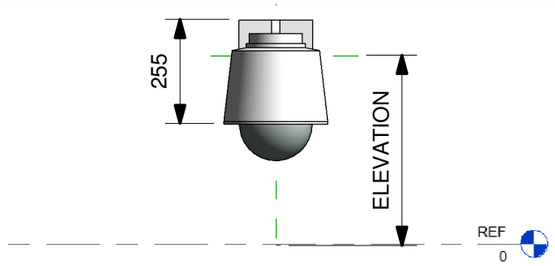
CATEGORY **Security Devices**

LOD-G **300**

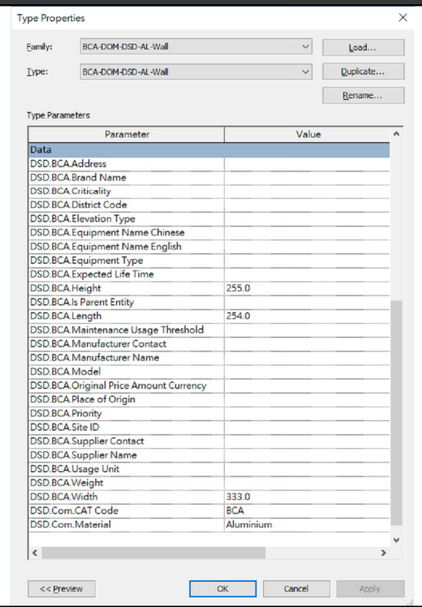




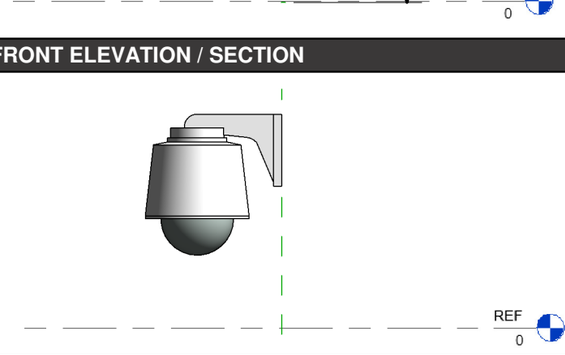
PLAN



3D



FRONT ELEVATION / SECTION

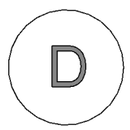


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BCA_DOM / DI_BCA_DOM



2D SYMBOL

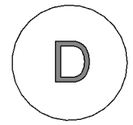
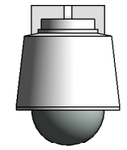
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Camera Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BCA	01/04/2019	01/04/2019	Aluminium

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Drainage Services Department

BIM OBJECT SHEET

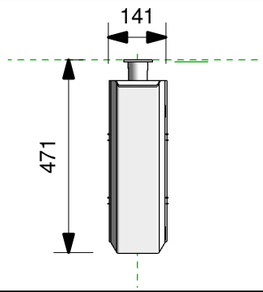
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2665**
	DATE **07-2020**	
	REVISION **0**	

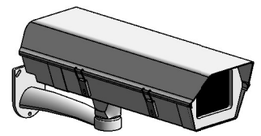
INPUT

Object Name **BCA-GUN-DSD-AL-___**

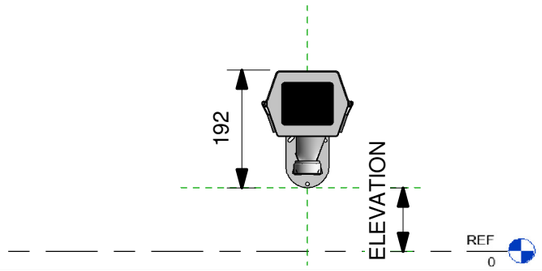
CATEGORY **Security Devices**

LOD-G **300**

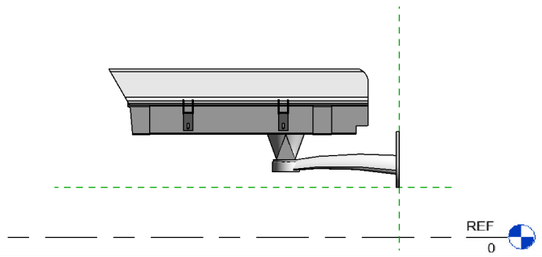




PLAN

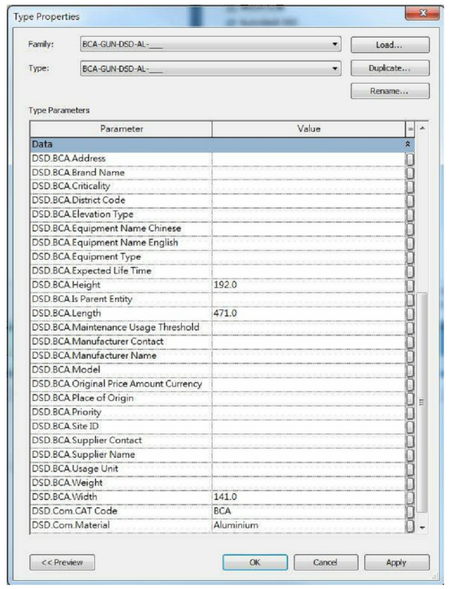


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

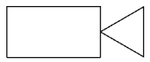
3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BCA_GUN / DI_BCA_GUN



2D SYMBOL

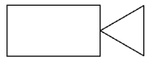
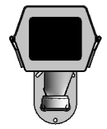
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Camera Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BCA	01/04/2019	01/04/2019	Aluminium

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Drainage Services Department

BIM OBJECT SHEET

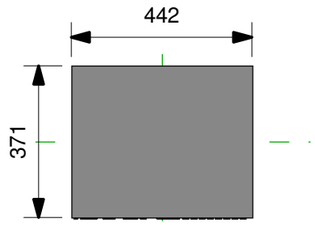
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2666**
	DATE **05-2020**	
	REVISION **0**	

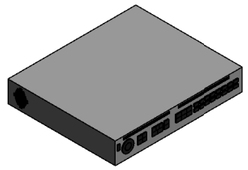
INPUT

Object Name **BDV-___-DSD-ME-___**

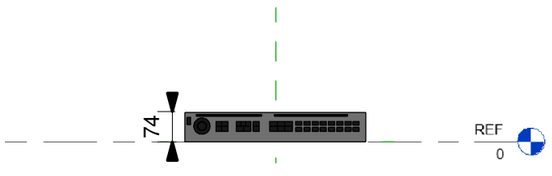
CATEGORY **Security Devices**

LOD-G **300**

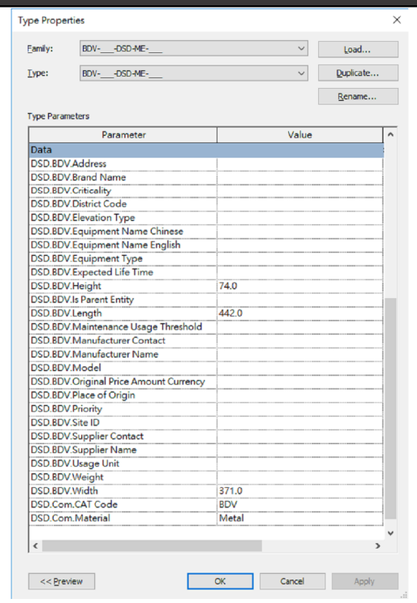




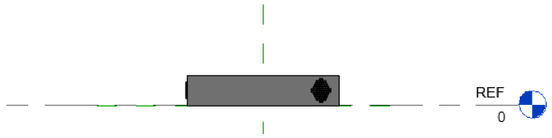
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BDV / DI_BDV

DVR

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
DVR		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Digital Video Recoder Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BDV	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

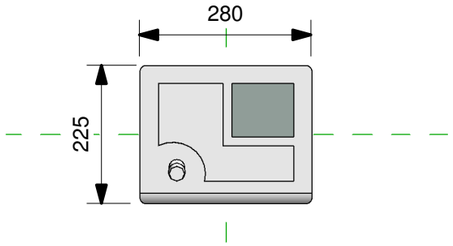
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2667**
	DATE **05-2020**	
	REVISION **0**	

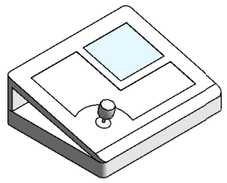
INPUT

Object Name **BPT-___-DSD-PL-___**

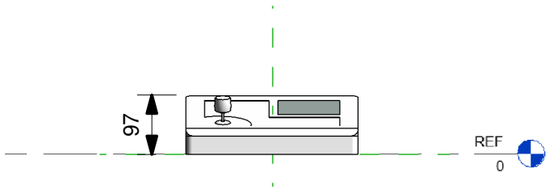
CATEGORY **Security Devices**

LOD-G **300**

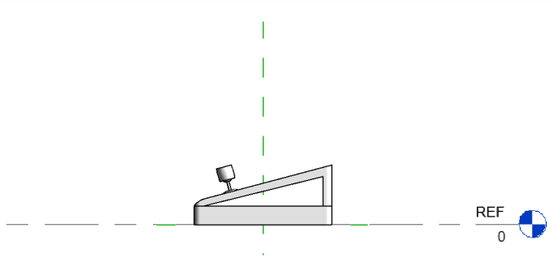




PLAN



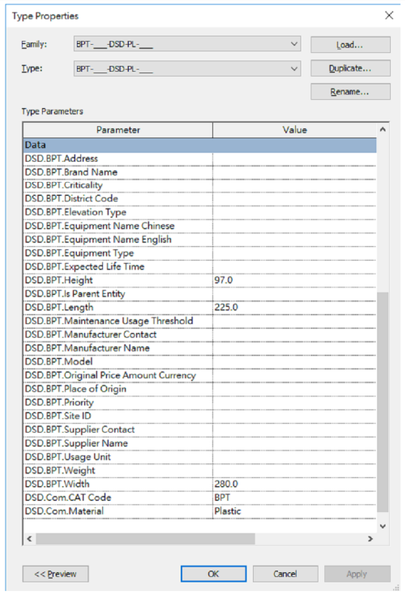
FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D

FAMILY VIEW : PARAMETER



3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

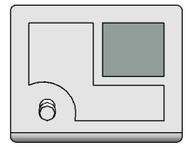
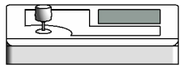
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Pan,Tilt and Zoom Controller Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BPT	01/04/2019	01/04/2019	Plastic

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Drainage Services Department

BIM OBJECT SHEET

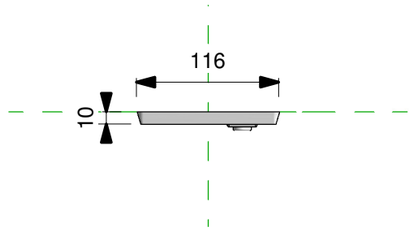
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2668**
	DATE **05-2020**	
	REVISION **0**	

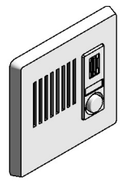
INPUT

Object Name **BIN-___-DSD-ME-___**

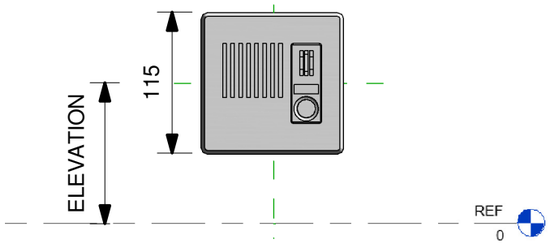
CATEGORY **Special Equipment**

LOD-G **300**

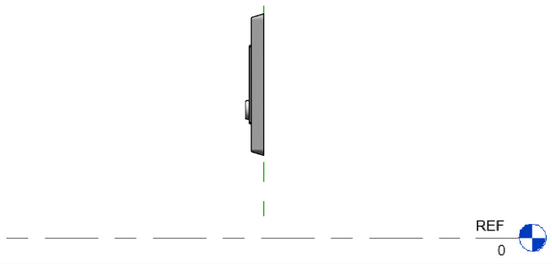




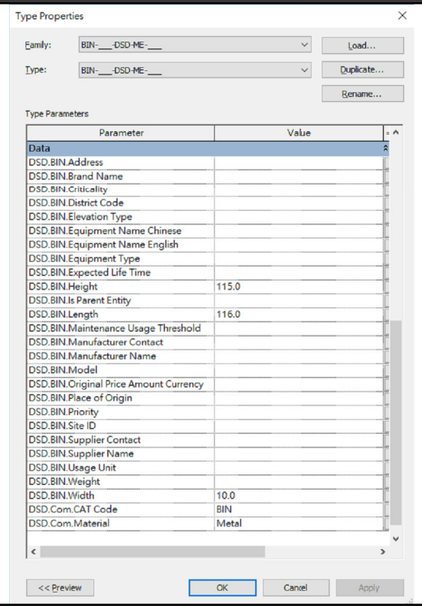
PLAN



FRONT ELEVATION / SECTION



3D



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BIN / DI_BIN

2D SYMBOL

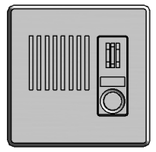
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Intercom Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BIN	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

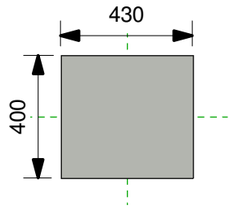
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2669**
	DATE **07-2020**	
	REVISION **0**	

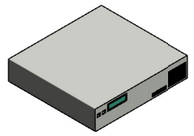
INPUT

Object Name **BPA-___-DSD-ME-___**

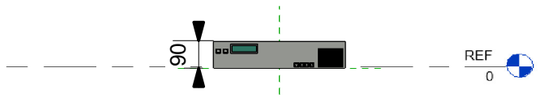
CATEGORY **Special Equipment**

LOD-G **300**

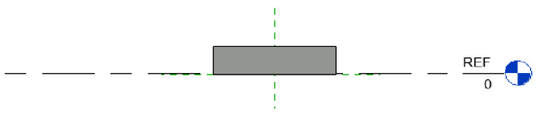




PLAN

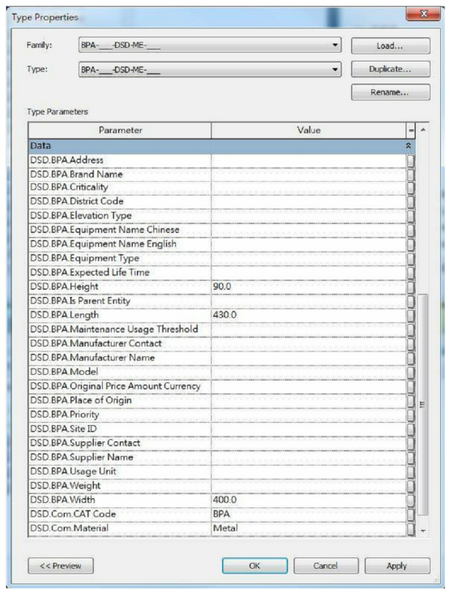


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BPA / DI_BPA

PAMCS

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
PAMCS		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

PA System Master Control Station Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BPA	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

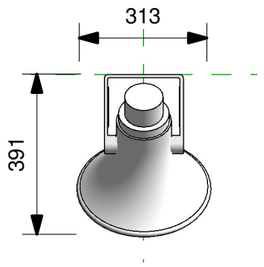
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2670**
	DATE **05-2020**	
	REVISION **0**	

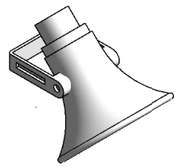
INPUT

Object Name **BSP-___-DSD-ME-Wall**

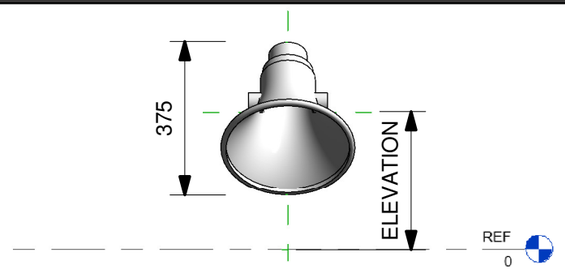
CATEGORY **Special Equipment**

LOD-G **300**

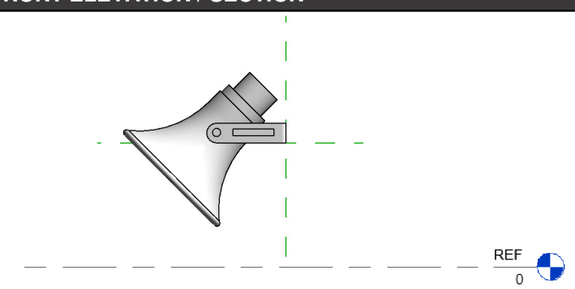




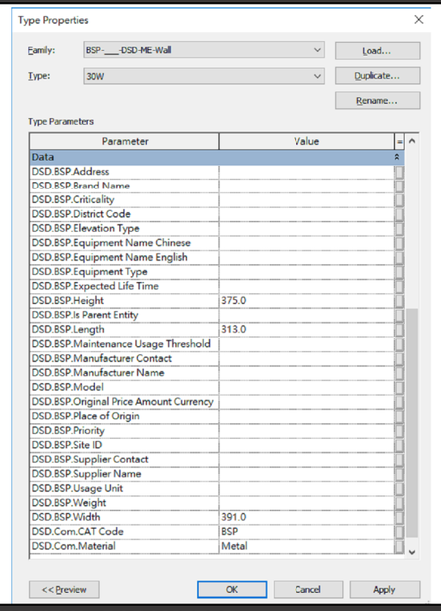
PLAN



FRONT ELEVATION / SECTION



3D

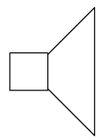


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BSP / DI_BSP



2D SYMBOL

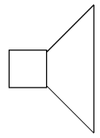
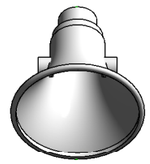
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Speaker Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BSP	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

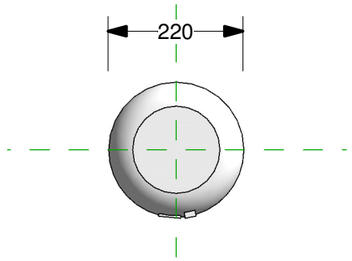
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2671**
	DATE **05-2020**	
	REVISION **0**	

INPUT

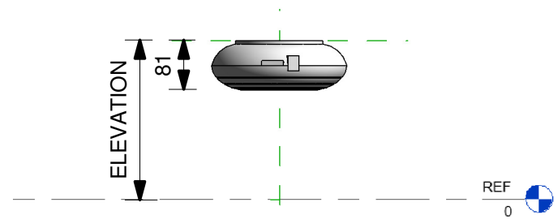
Object Name **BSP-___-DSD-PL-Ceiling**

CATEGORY **Special Equipment**

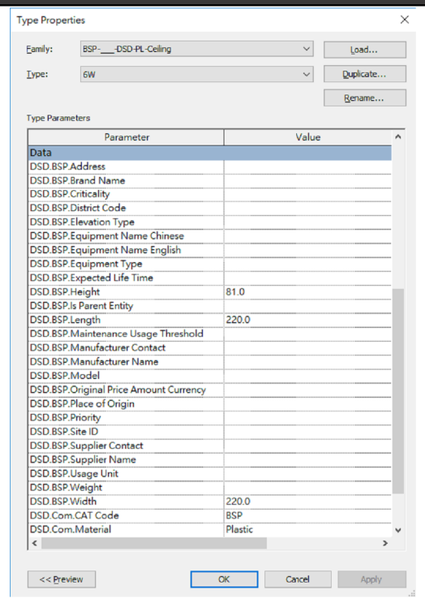
LOD-G **300**



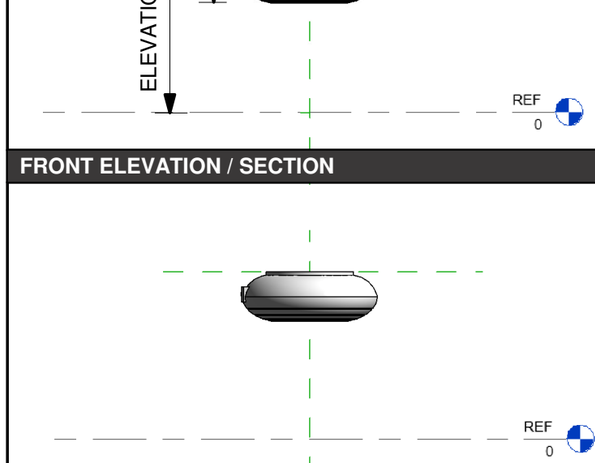
PLAN



3D



FRONT ELEVATION / SECTION

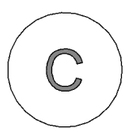


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BSP / DI_BSP



2D SYMBOL

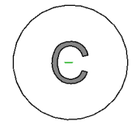
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Speaker Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BSP	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

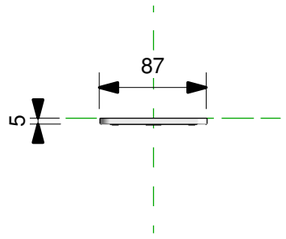
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2672**
	DATE **05-2020**	
	REVISION **0**	

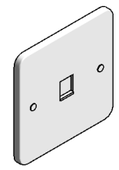
INPUT

Object Name **BTP-___-DSD-ABS-___**

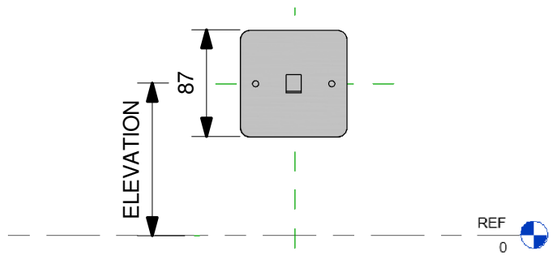
CATEGORY **Telephone Devices**

LOD-G **300**

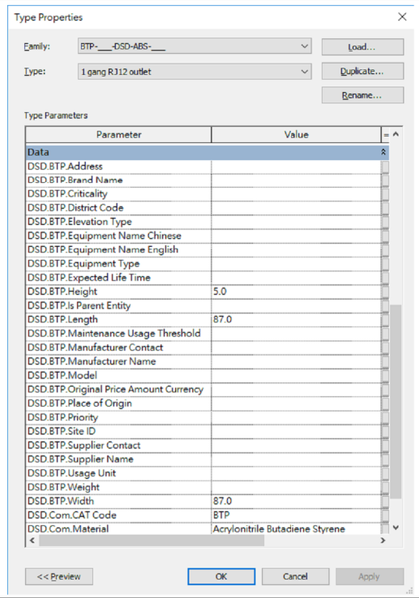




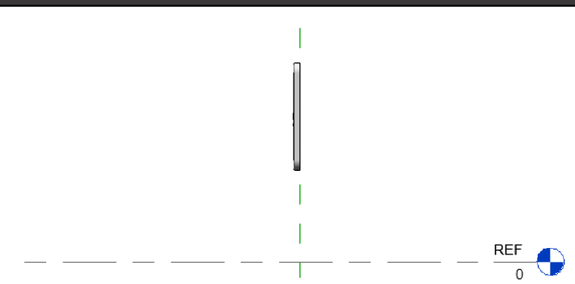
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_BTP / DI_BTP

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
TEL	—	PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Telephone Connection Point Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
BTP	01/04/2019	01/04/2019	Acrylonitrile Butadiene Styrene

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BIM OBJECT SHEET

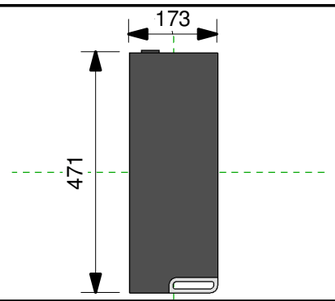
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2901**
	DATE **07-2020**	
	REVISION **0**	

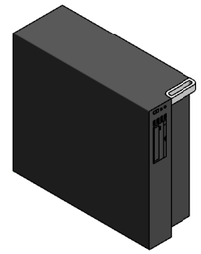
INPUT

Object Name **CWS-___-DSD-ME-___**

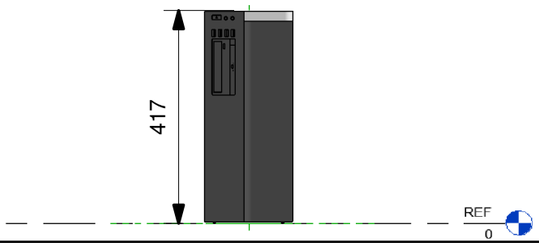
CATEGORY **Special Equipment**

LOD-G **300**

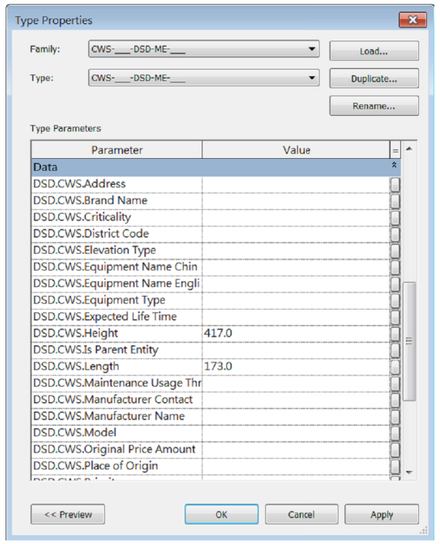




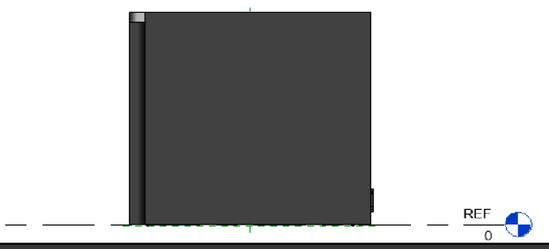
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

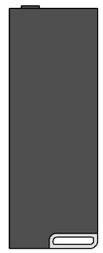
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Workstation Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CWS	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

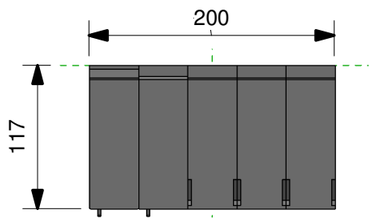
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2902**
	DATE **07-2020**	
	REVISION **0**	

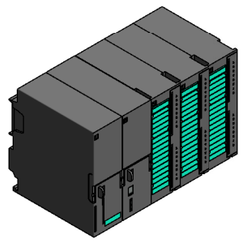
INPUT

Object Name **CPL-___-DSD-PL-___**

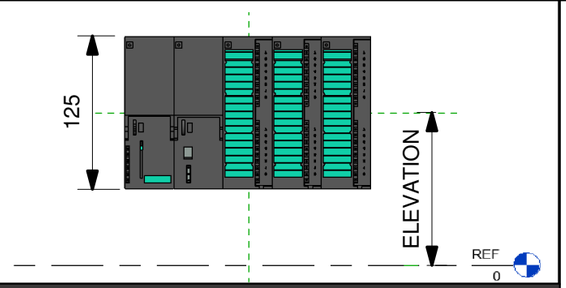
CATEGORY **Special Equipment**

LOD-G **300**

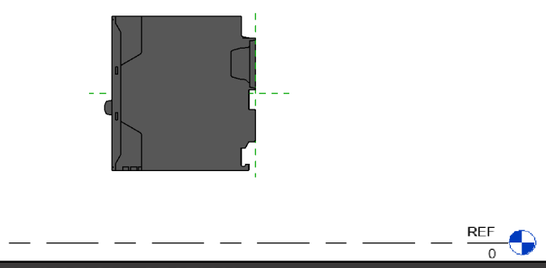




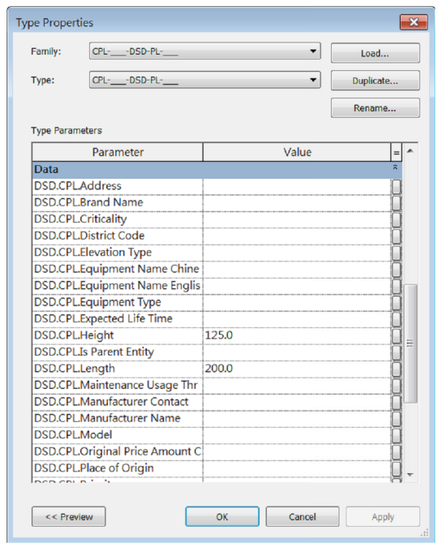
PLAN



FRONT ELEVATION / SECTION



3D



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CPL / DI_CPL

PLC

2D SYMBOL

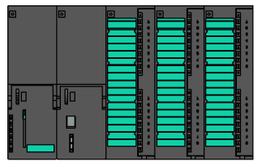
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
PLC		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Programmable Logic Controller Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CPL	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

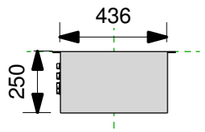
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2903**
	DATE **07-2020**	
	REVISION **0**	

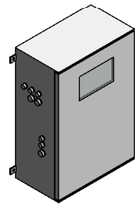
INPUT

Object Name **CAN-AMM-DSD-ME-___**

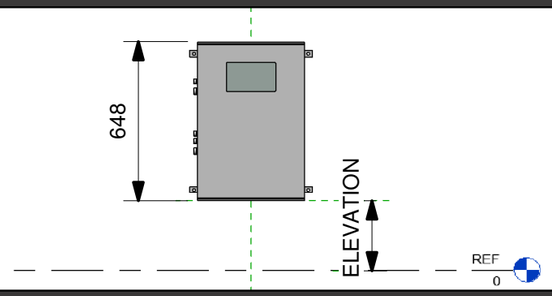
CATEGORY **Special Equipment**

LOD-G **300**

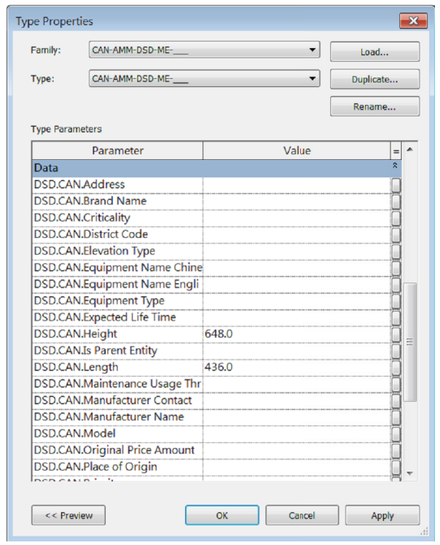




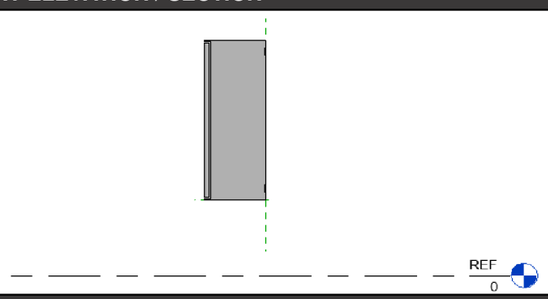
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CAN_AMM / DI_CAN_AMM

AMA

2D SYMBOL

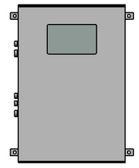
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
AMA		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Analyzer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CAN	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

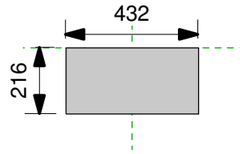
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2904**
	DATE **07-2020**	
	REVISION **0**	

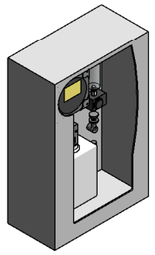
INPUT

Object Name **CAN-CHL-DSD-ME-___**

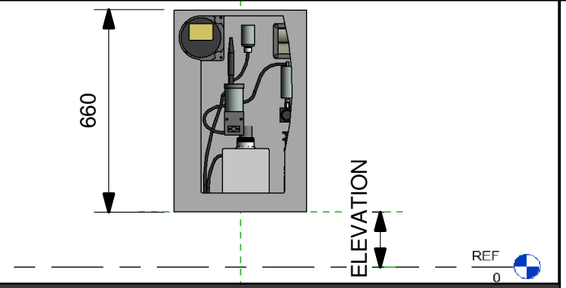
CATEGORY **Special Equipment**

LOD-G **300**

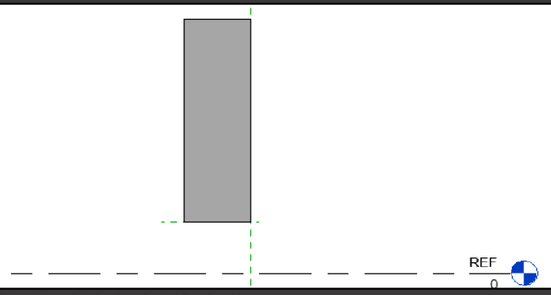




PLAN

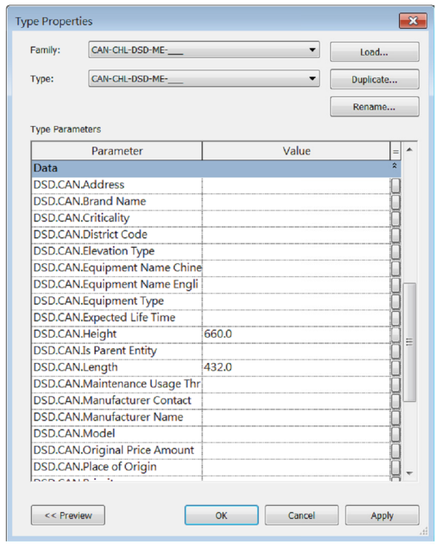


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CAN_CHL / DI_CAN_CHL

CHA

2D SYMBOL

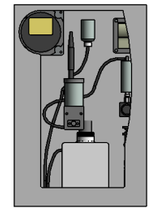
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
CHA		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Analyzer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CAN	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

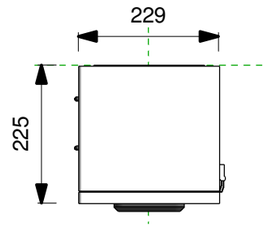
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2905**
	DATE **07-2020**	
	REVISION **0**	

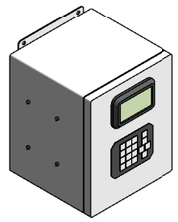
INPUT

Object Name **CAN-MOI-DSD-ME-___**

CATEGORY **Special Equipment**

LOD-G **300**





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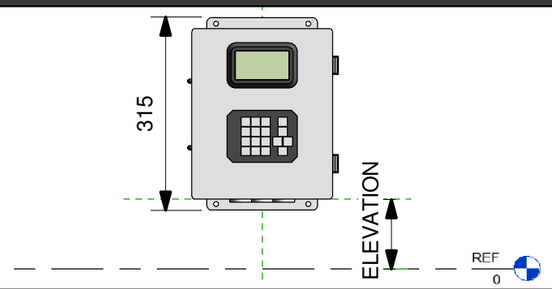
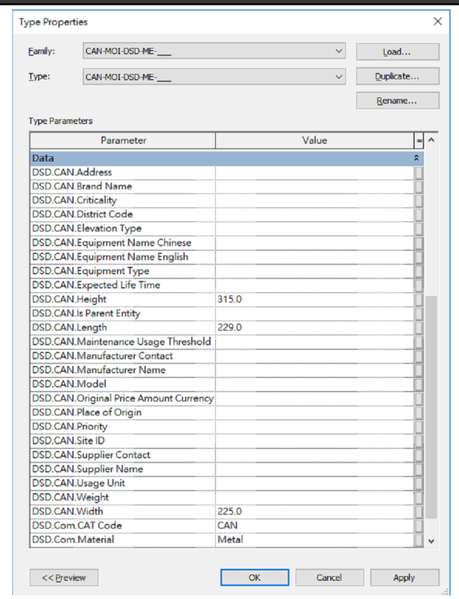
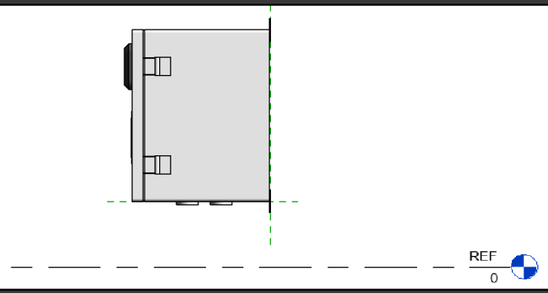


3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CAN_MOI / DI_CAN_MOI

MOA

2D SYMBOL

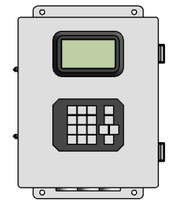
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
MOA		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Analyzer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CAN	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

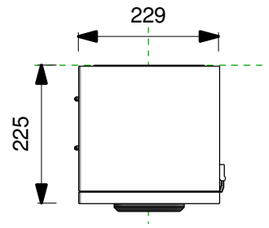
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2905**
	DATE **07-2020**	
	REVISION **0**	

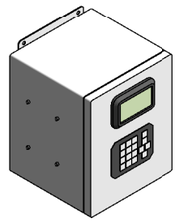
INPUT

Object Name **CAN-MOI-DSD-ME-___**

CATEGORY **Special Equipment**

LOD-G **300**





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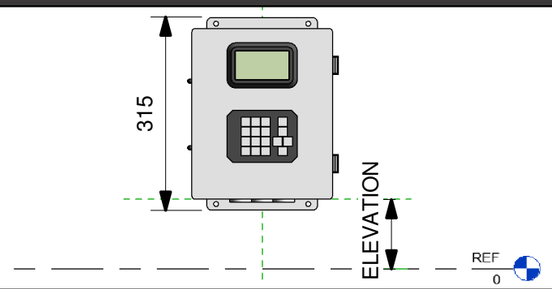
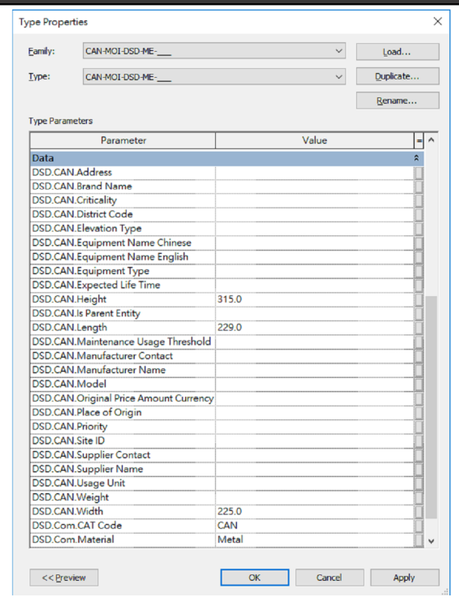
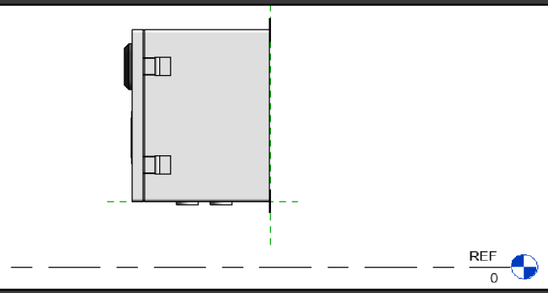


3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CAN_MOI / DI_CAN_MOI

MOA

2D SYMBOL

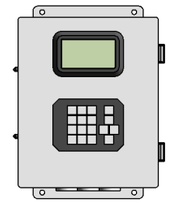
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
MOA		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Analyzer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CAN	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

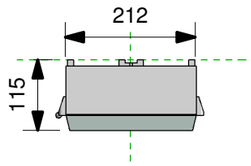
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2906**
	DATE **07-2020**	
	REVISION **0**	

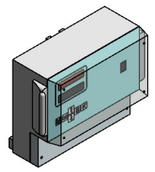
INPUT

Object Name **CAN-NIT-DSD-ME-___**

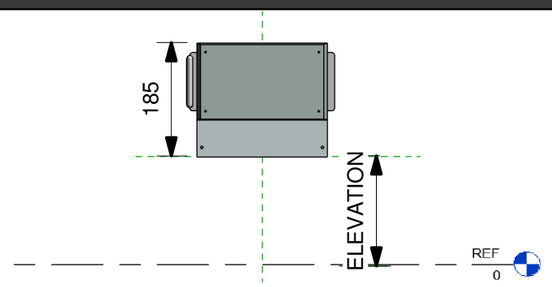
CATEGORY **Special Equipment**

LOD-G **300**

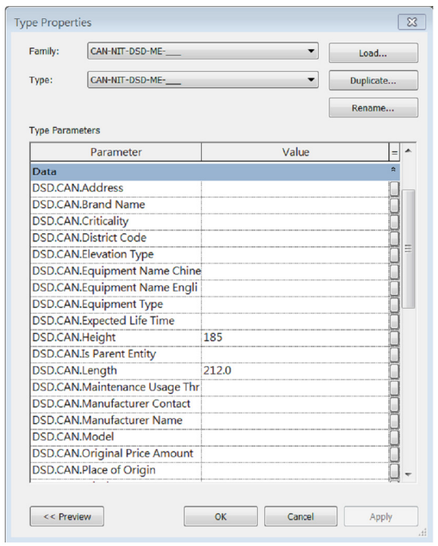




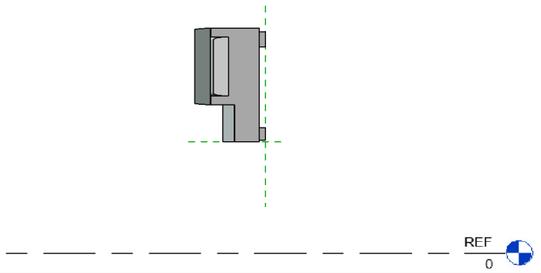
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CAN_NIT / DI_CAN_NIT

NIA

2D SYMBOL

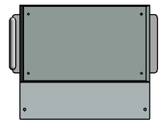
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
NIA		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Analyzer Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CAN	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

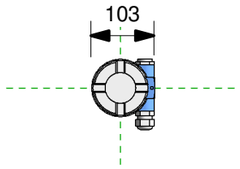
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2907**
	DATE **07-2020**	
	REVISION **0**	

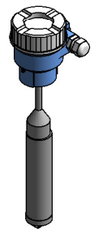
INPUT

Object Name **CSE-HYL-DSD-SS-___**

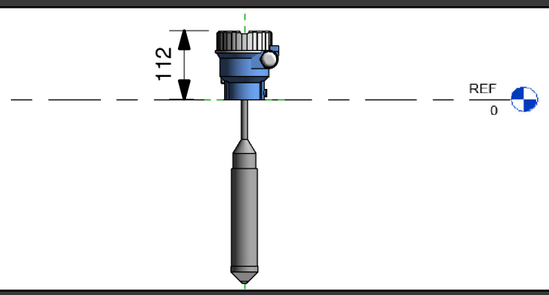
CATEGORY **Special Equipment**

LOD-G **300**

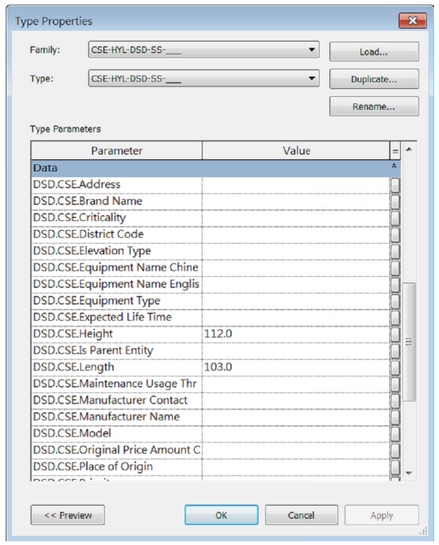




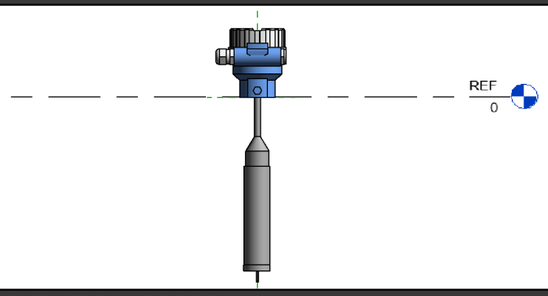
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_HYL / DI_CSE_HYL

HL

2D SYMBOL

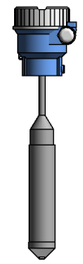
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
HL		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

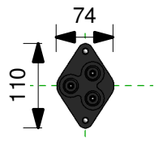
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	
	DATE **07-2020**	**DSD-OS-2908**
	REVISION **0**	

INPUT

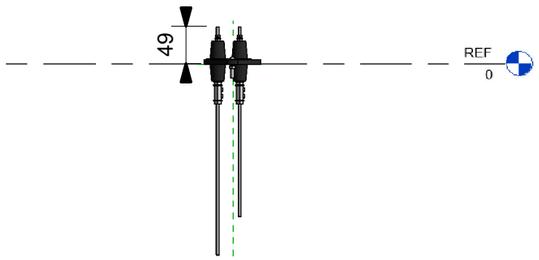
Object Name **CSE-LEE-DSD-ME-___**

CATEGORY **Special Equipment**

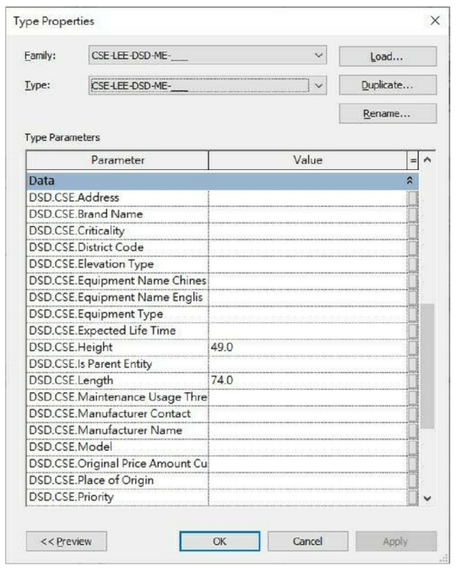
LOD-G **300**



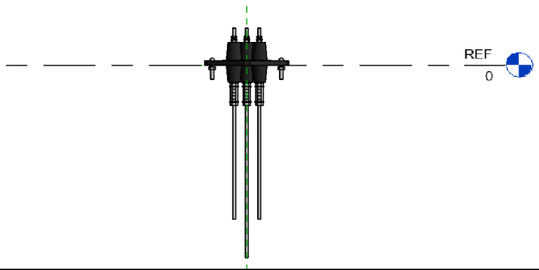
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_LEE / DI_CSE_LEE

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
LE		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

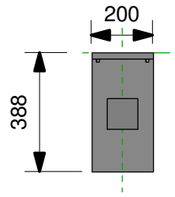
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2909**
	DATE **07-2020**	
	REVISION **0**	

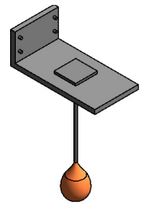
INPUT

Object Name **CSE-FLS-DSD-PL-___**

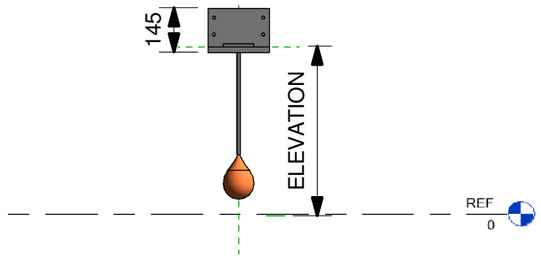
CATEGORY **Special Equipment**

LOD-G **300**

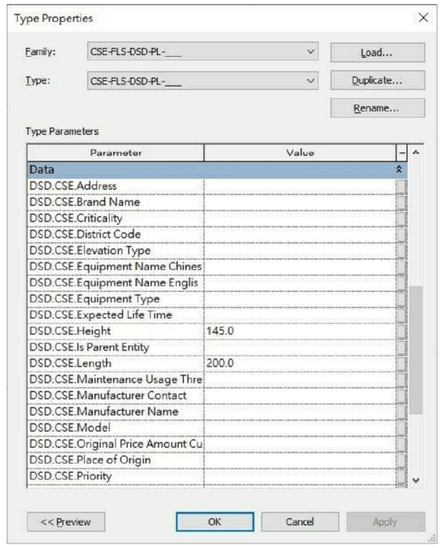




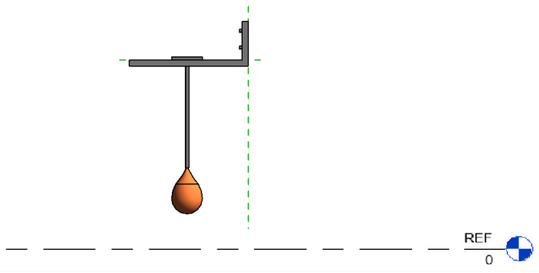
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_FLS / DI_CSE_FLS

FS

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
FS		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

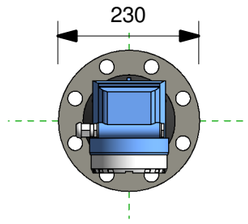
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2910**
	DATE **07-2020**	
	REVISION **0**	

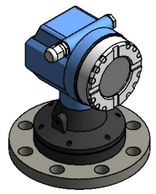
INPUT

Object Name **CSE-ULL-DSD-AL-___**

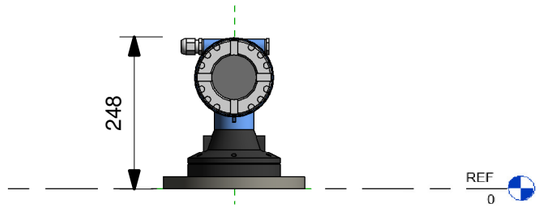
CATEGORY **Special Equipment**

LOD-G **300**

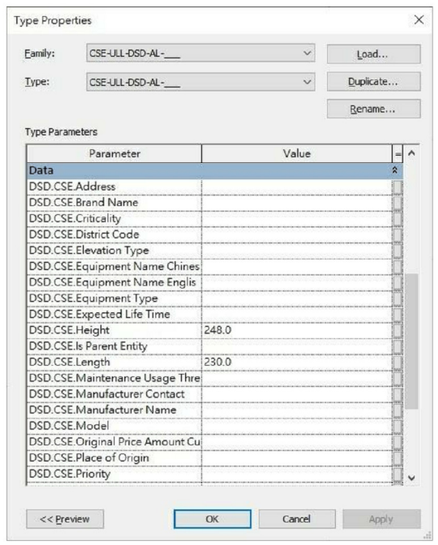




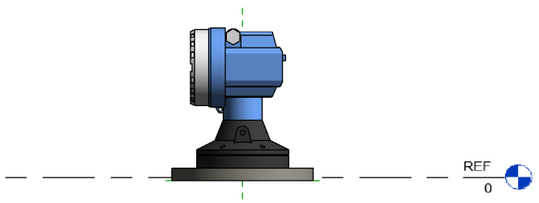
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_ULL / DI_CSE_ULL

UL

2D SYMBOL

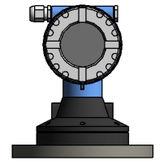
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
UL		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Aluminium

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BIM OBJECT SHEET

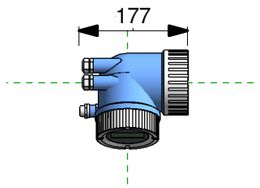
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2911**
	DATE **07-2020**	
	REVISION **0**	

INPUT

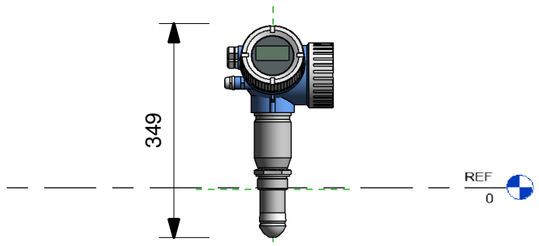
Object Name **CSE-MIL-DSD-PL-___**

CATEGORY **Special Equipment**

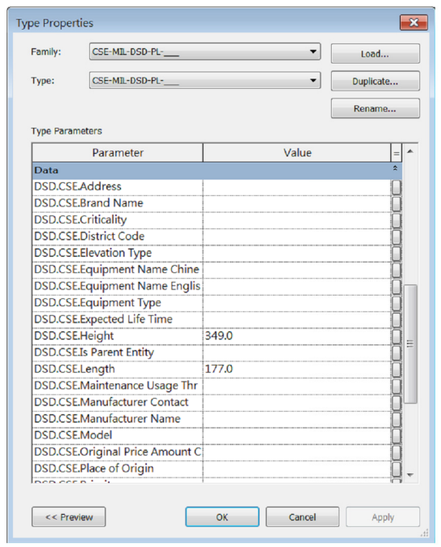
LOD-G **300**



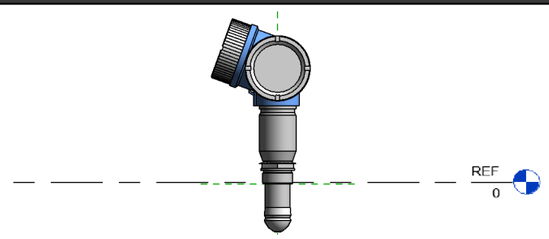
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_MIL / DI_CSE_MIL

ML

2D SYMBOL

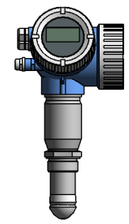
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
ML		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

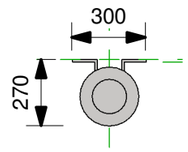
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2912**
	DATE **07-2020**	
	REVISION **0**	

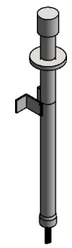
INPUT

Object Name **CSE-SUS-DSD-PL-___**

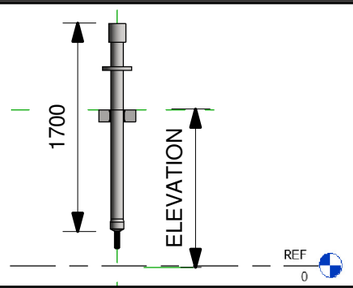
CATEGORY **Special Equipment**

LOD-G **300**

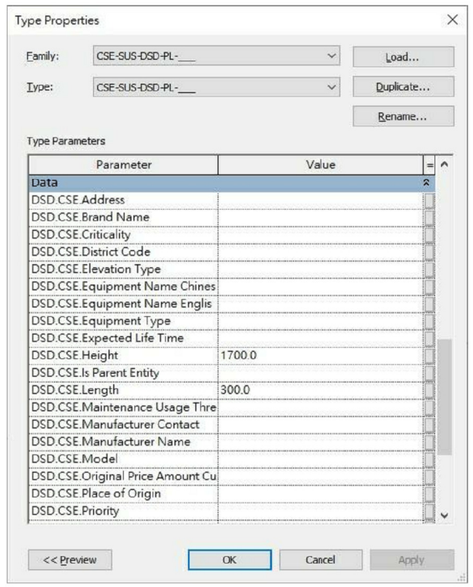




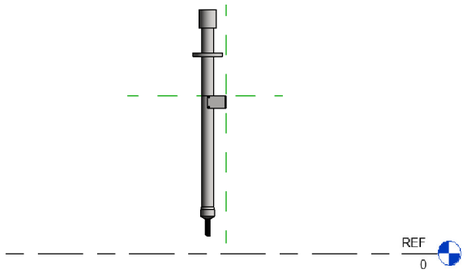
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_SUS / DI_CSE_SUS

SS

2D SYMBOL

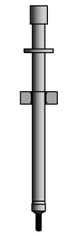
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
SS		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Plastic

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BIM OBJECT SHEET

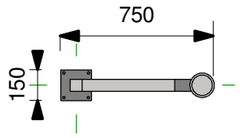
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2913**
	DATE **07-2020**	
	REVISION **0**	

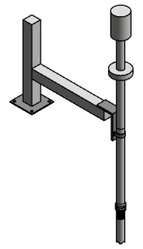
INPUT

Object Name **CSE-DIO-DSD-SS-___**

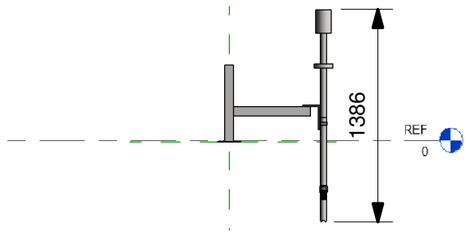
CATEGORY **Special Equipment**

LOD-G **300**

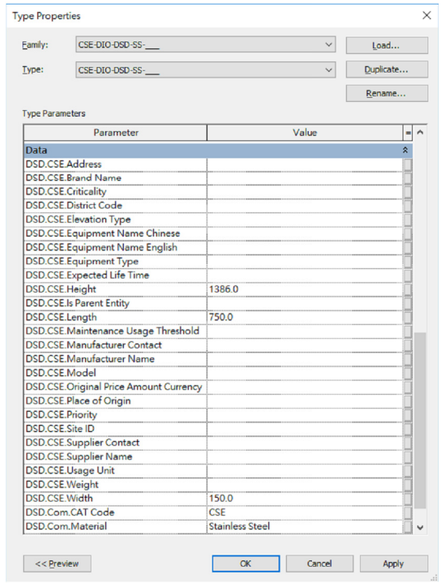




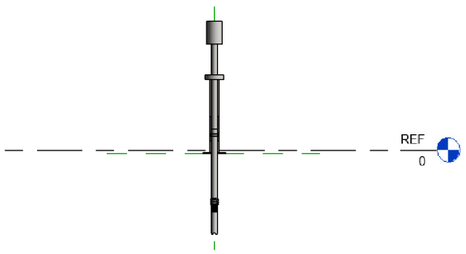
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_DIO / DI_CSE_DIO

DO

2D SYMBOL

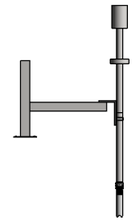
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
DO		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

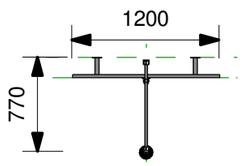
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2914**
	DATE **07-2020**	
	REVISION **0**	

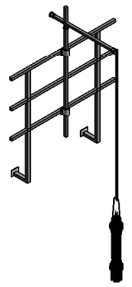
INPUT

Object Name **CSE-AMN-DSD-PL-___**

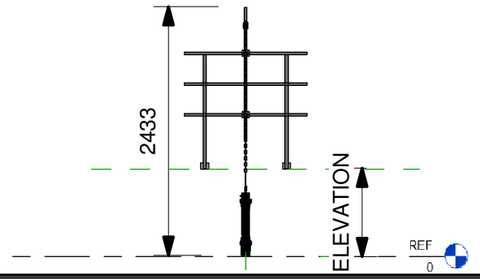
CATEGORY **Special Equipment**

LOD-G **300**

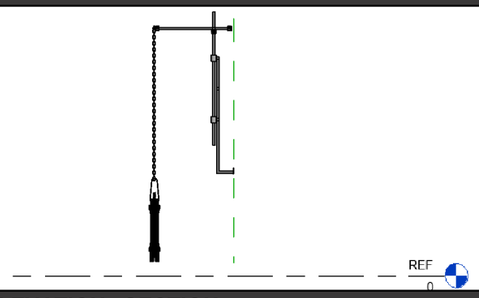




PLAN

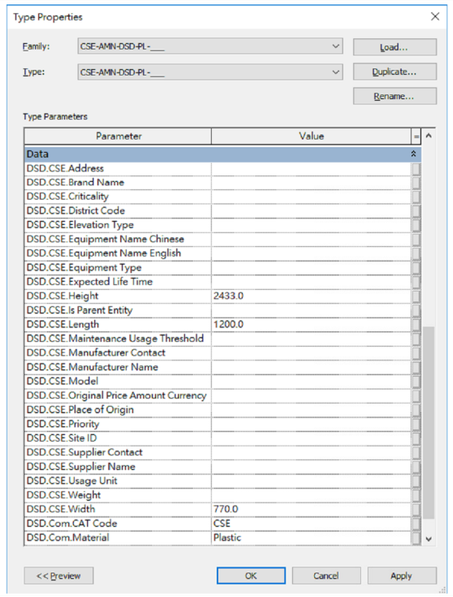


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_MOI / DI_CSE_MOI

NH_3

2D SYMBOL

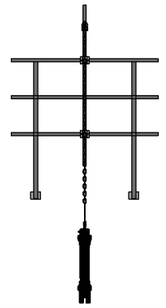
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
NH_3		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Plastic

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Drainage Services Department

BIM OBJECT SHEET

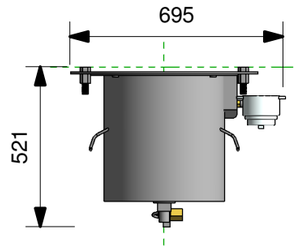
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2915**
	DATE **07-2020**	
	REVISION **0**	

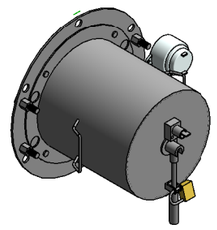
INPUT

Object Name **CSE-MOI-DSD-SS-___**

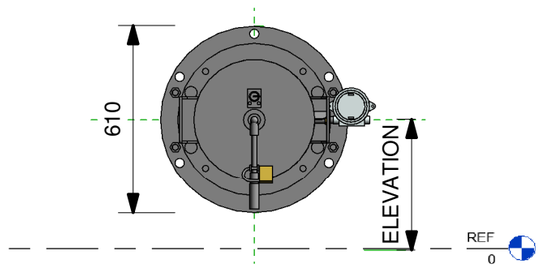
CATEGORY **Special Equipment**

LOD-G **300**

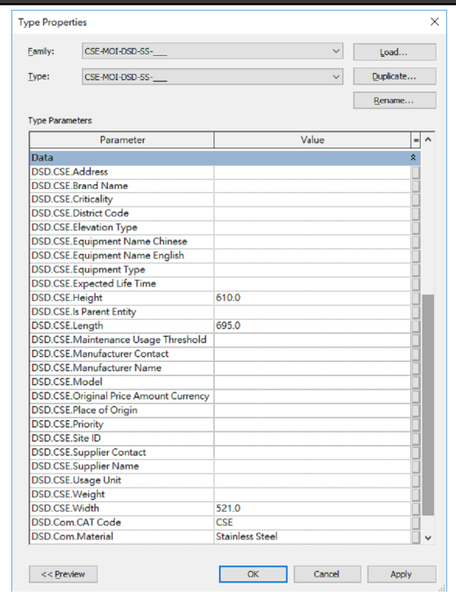




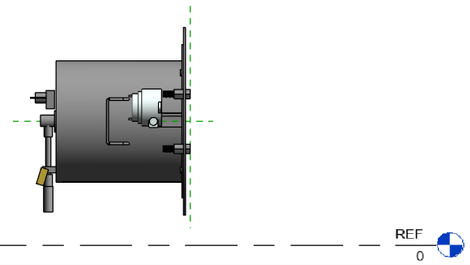
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_MOI / DI_CSE_MOI

MOA

2D SYMBOL

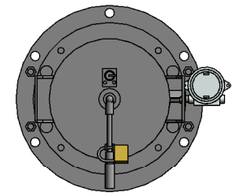
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
MOA		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

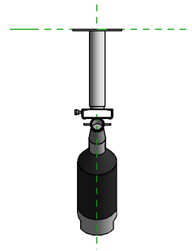
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2916**
	DATE **07-2020**	
	REVISION **0**	

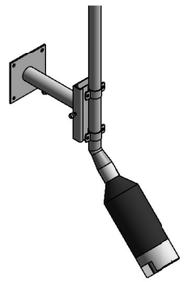
INPUT

Object Name **CSE-NIT-DSD-SS-___**

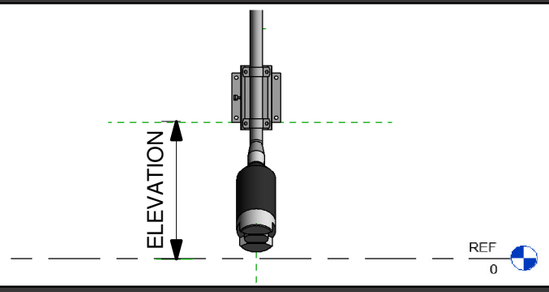
CATEGORY **Special Equipment**

LOD-G **300**

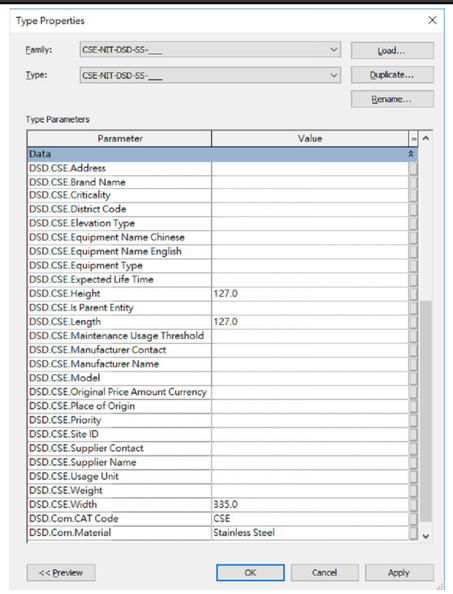




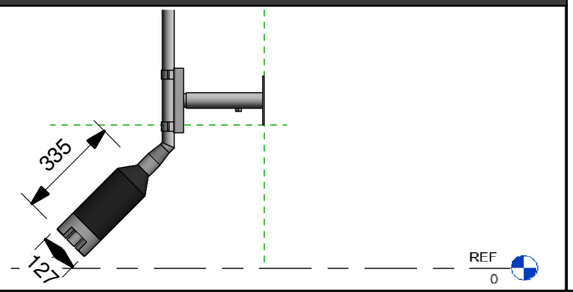
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CSE_NIT / DI_CSE_NIT

NIA

2D SYMBOL

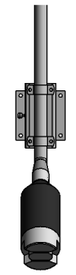
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
NIA		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sensor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSE	01/04/2019	01/04/2019	Stainless Steel

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BIM OBJECT SHEET

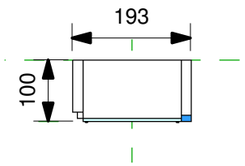
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2917**
	DATE **07-2020**	
	REVISION **0**	

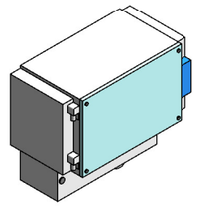
INPUT

Object Name **CTR-HYL-DSD-CAL-___**

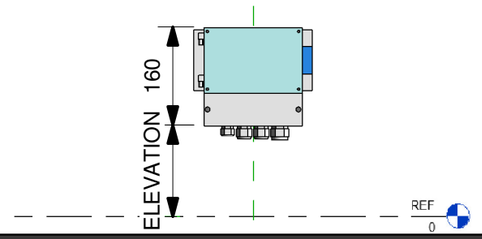
CATEGORY **Special Equipment**

LOD-G **300**

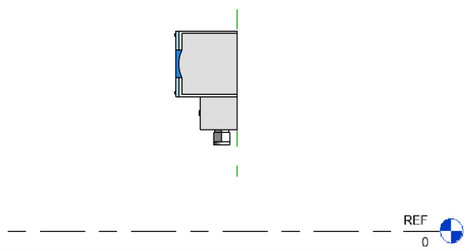




PLAN

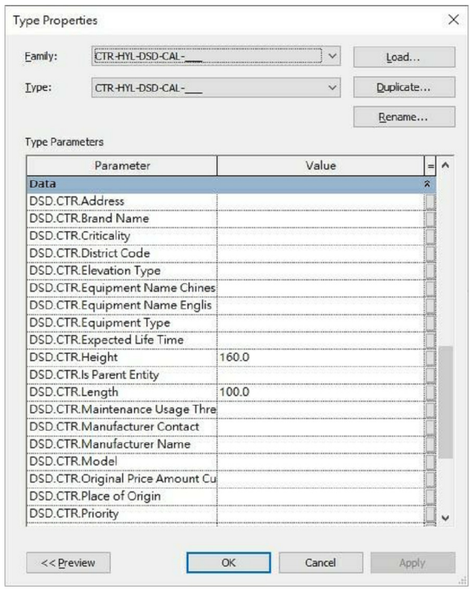


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CTR_HYL / DI_CTR_HYL

HL

2D SYMBOL

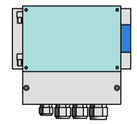
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
HL		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transmitter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CTR	01/04/2019	01/04/2019	Cast Aluminium

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BIM OBJECT SHEET

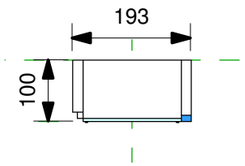
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2917**
	DATE **07-2020**	
	REVISION **0**	

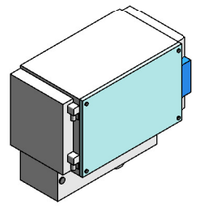
INPUT

Object Name **CTR-HYL-DSD-CAL-___**

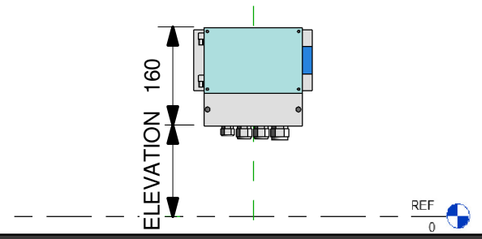
CATEGORY **Special Equipment**

LOD-G **300**

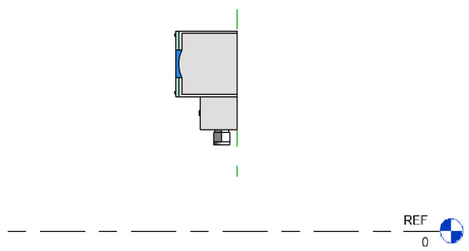




PLAN

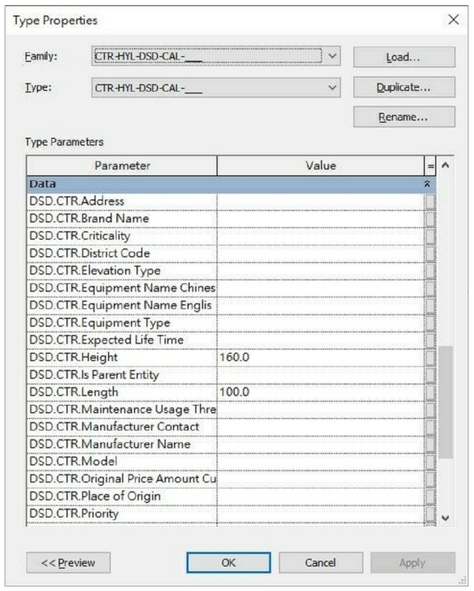


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CTR_HYL / DI_CTR_HYL

HL

2D SYMBOL

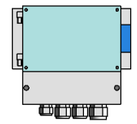
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
HL		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transmitter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CTR	01/04/2019	01/04/2019	Cast Aluminium

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Drainage Services Department

BIM OBJECT SHEET

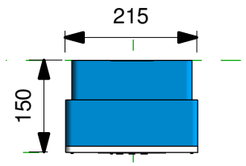
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2918**
	DATE **07-2020**	
	REVISION **0**	

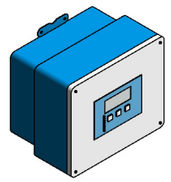
INPUT

Object Name **CTR-ULL-DSD-CAL-___**

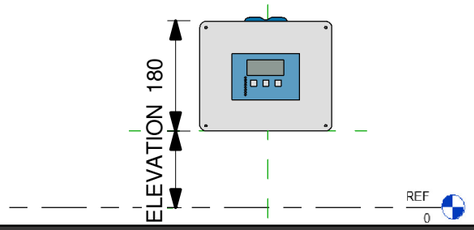
CATEGORY **Special Equipment**

LOD-G **300**

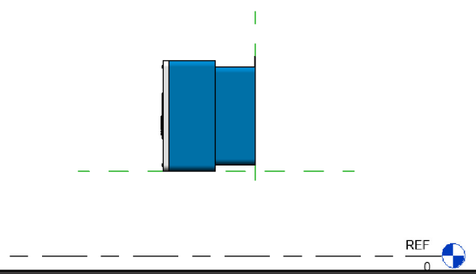




PLAN

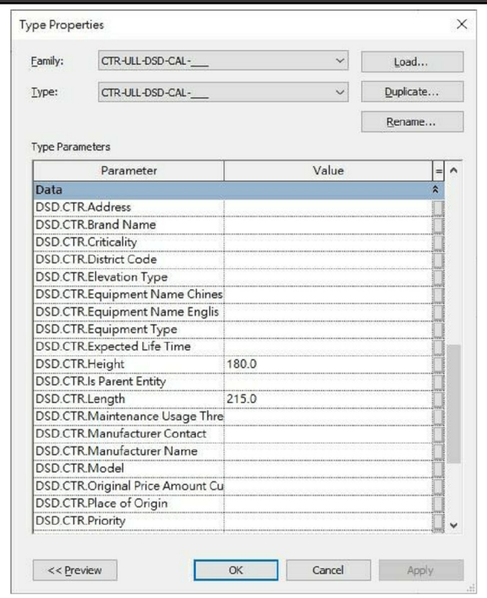


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CTR_ULL / DI_CTR_ULL

UL

2D SYMBOL

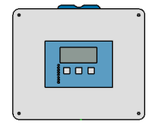
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
UL		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transmitter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CTR	01/04/2019	01/04/2019	Cast Aluminium

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Drainage Services Department

BIM OBJECT SHEET

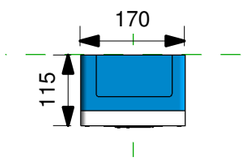
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2919**
	DATE **07-2020**	
	REVISION **0**	

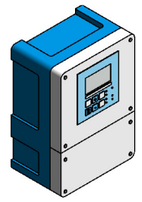
INPUT

Object Name **CTR-SUS-DSD-CAL-___**

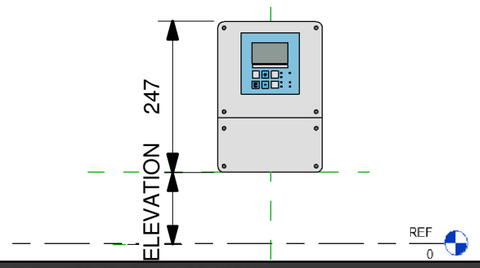
CATEGORY **Special Equipment**

LOD-G **300**

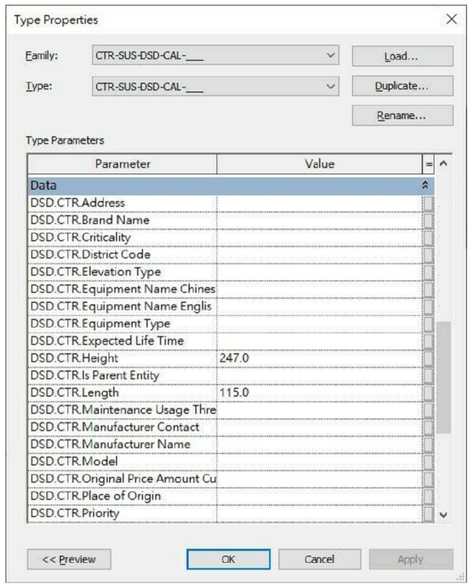




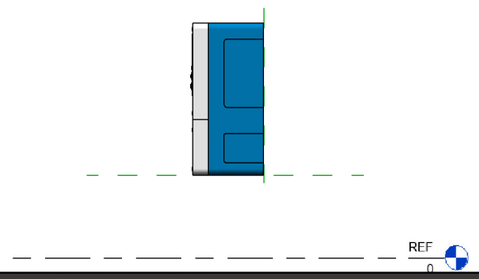
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CTR_SUS / DI_CTR_SUS

SS

2D SYMBOL

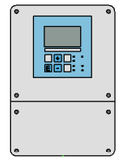
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
SS		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transmitter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CTR	01/04/2019	01/04/2019	Cast Aluminium

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Drainage Services Department

BIM OBJECT SHEET

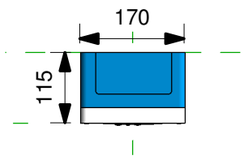
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2920**
	DATE **07-2020**	
	REVISION **0**	

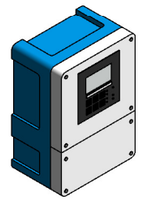
INPUT

Object Name **CTR-DIO-DSD-CAL-___**

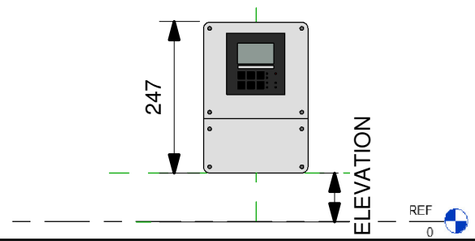
CATEGORY **Special Equipment**

LOD-G **300**

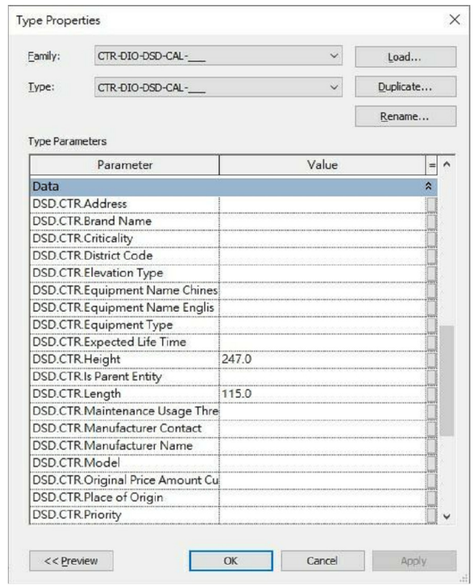




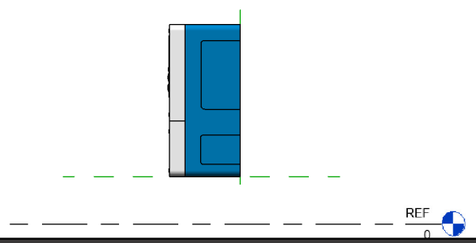
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CTR_DIO / DI_CTR_DIO

DO

2D SYMBOL

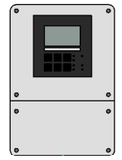
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
DO		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transmitter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CTR	01/04/2019	01/04/2019	Cast Aluminium

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Drainage Services Department

BIM OBJECT SHEET

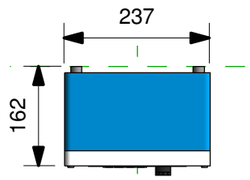
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2921**
	DATE **07-2020**	
	REVISION **0**	

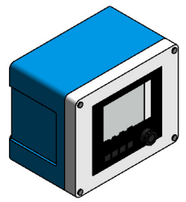
INPUT

Object Name **CTR-AMN-DSD-CAL-___**

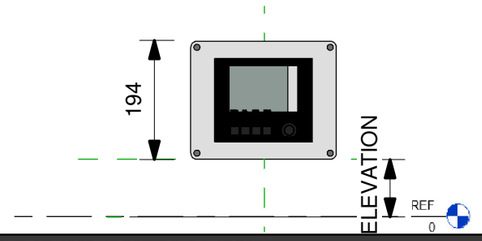
CATEGORY **Special Equipment**

LOD-G **300**

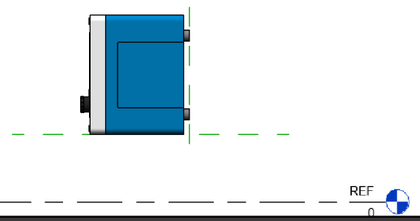




PLAN

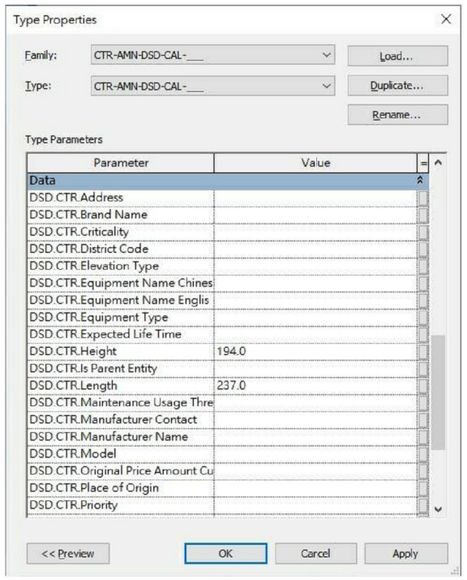


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CTR_AMN / DI_CTR_AMN

NH_3

2D SYMBOL

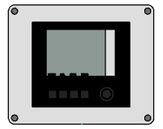
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
NH_3		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transmitter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CTR	01/04/2019	01/04/2019	Cast Aluminium

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Drainage Services Department

BIM OBJECT SHEET

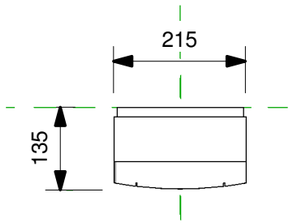
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2922**
	DATE **05-2020**	
	REVISION **0**	

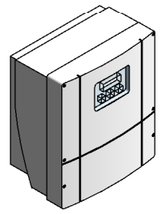
INPUT

Object Name **CTR-FLO-DSD-CAL-___**

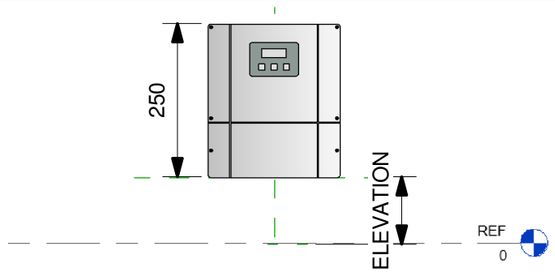
CATEGORY **Special Equipment**

LOD-G **300**

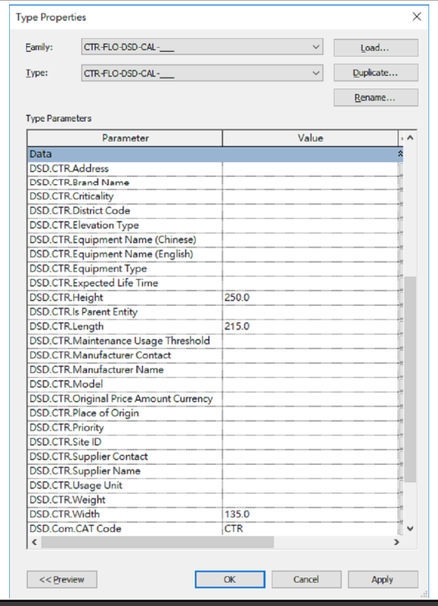




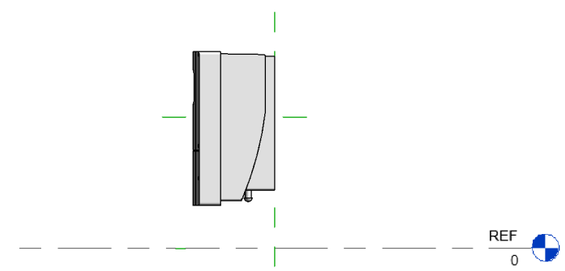
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CTR_FLO / DI_CTR_FLO

FT

2D SYMBOL

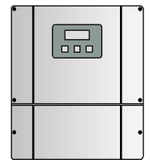
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
FT		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transmitter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CTR	01/04/2019	01/04/2019	Cast Aluminium

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BIM OBJECT SHEET

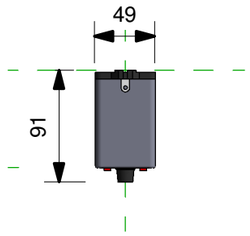
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2923**
	DATE **07-2020**	
	REVISION **0**	

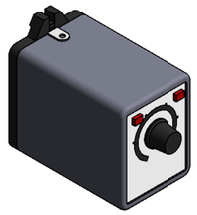
INPUT

Object Name **CTR-LEE-DSD-ME-___**

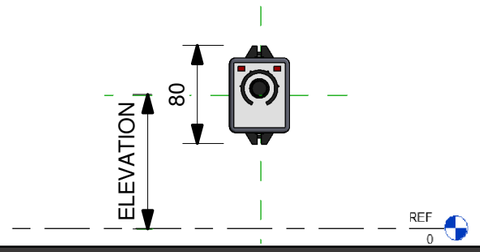
CATEGORY **Special Equipment**

LOD-G **300**

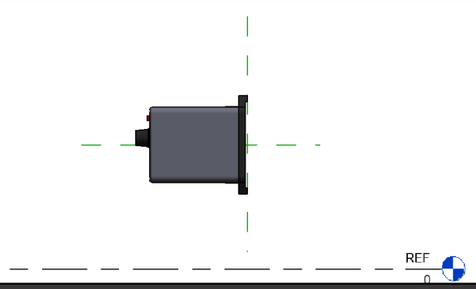




PLAN

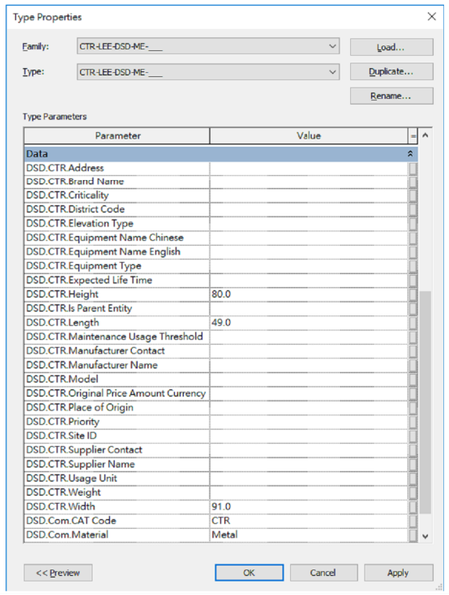


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CTR_LEE / DI_CTR_LEE

LE

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
LE		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Transmitter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CTR	01/04/2019	01/04/2019	Metal

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BIM OBJECT SHEET

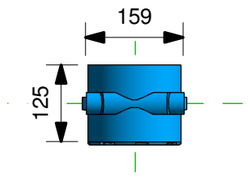
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2924**
	DATE **07-2020**	
	REVISION **0**	

INPUT

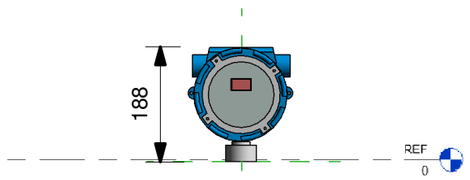
Object Name **CDE-MET-DSD-SS-___**

CATEGORY **Special Equipment**

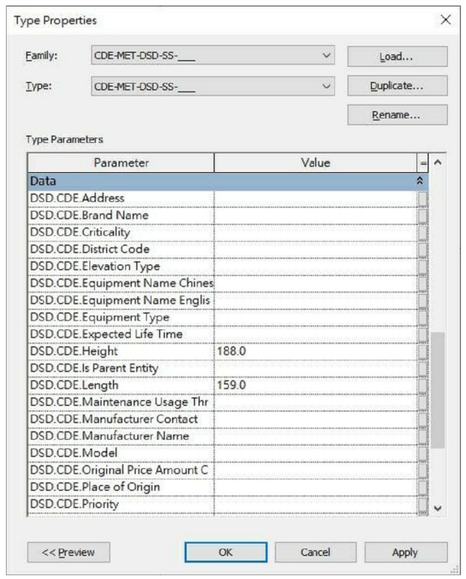
LOD-G **300**



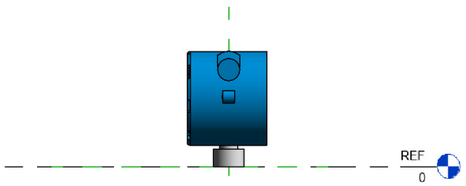
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CDE_MET / DI_CDE_MET

MG

2D SYMBOL

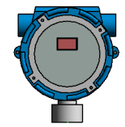
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
MG		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Detector Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CDE	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

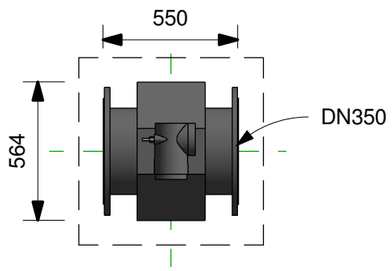
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2925**
	DATE **05-2020**	
	REVISION **0**	

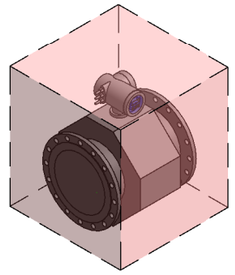
INPUT

Object Name **CFL-ELM-DSD-CAL-___**

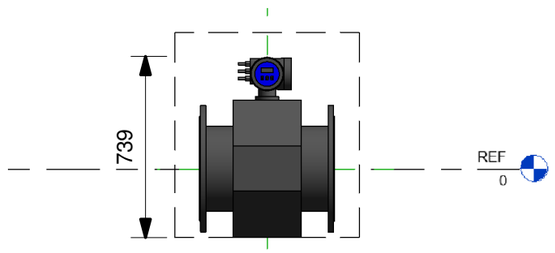
CATEGORY **Pipe Accessories**

LOD-G **300**

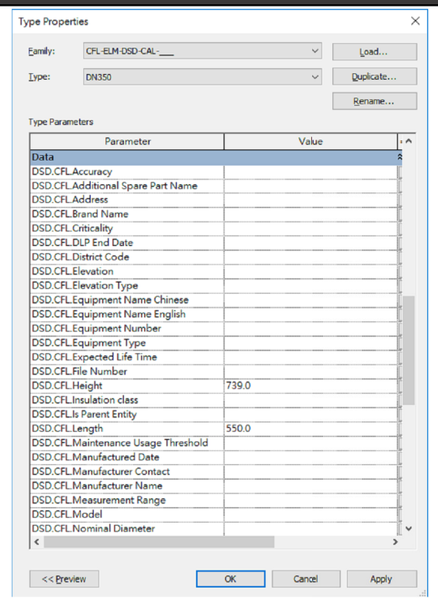




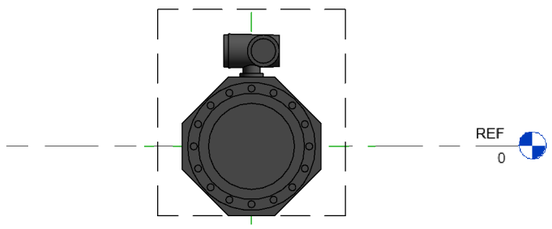
PLAN



3D



FRONT ELEVATION / SECTION

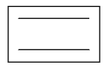


SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CFL_ELM / DI_CFL_ELM



2D SYMBOL

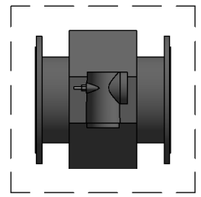
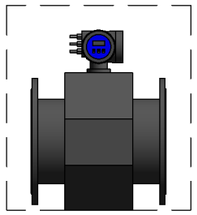
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Flowmeter Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CFL	01/04/2019	01/04/2019	Cast Aluminium

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Drainage Services Department

BIM OBJECT SHEET

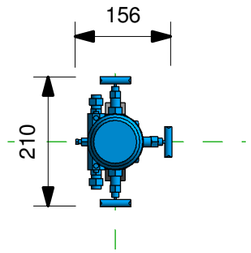
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2926**
	DATE **07-2020**	
	REVISION **0**	

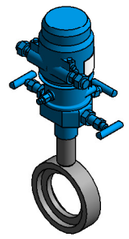
INPUT

Object Name **CFL-ORP-DSD-SS-___**

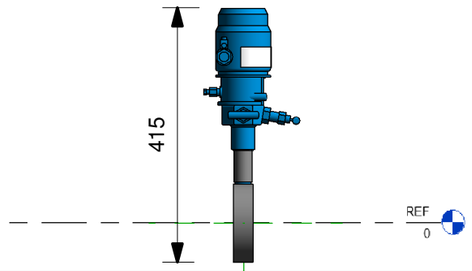
CATEGORY **Pipe Accessories**

LOD-G **300**

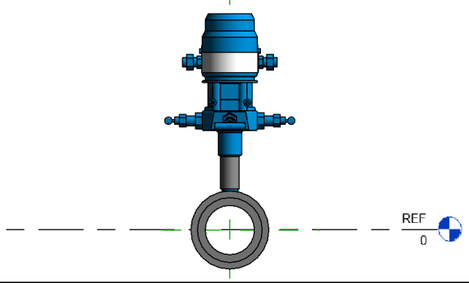




PLAN

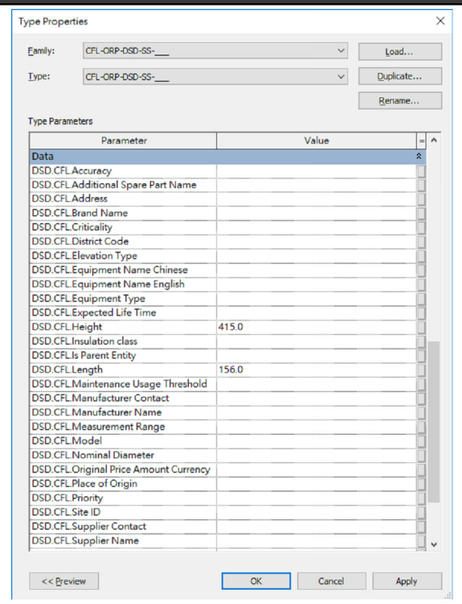


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CFL_ORP / DI_CFL_ORP

OPF

2D SYMBOL

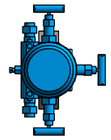
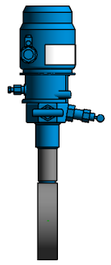
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Flowmeter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CFL	01/04/2019	01/04/2019	Stainless Steel

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Drainage Services Department

BIM OBJECT SHEET

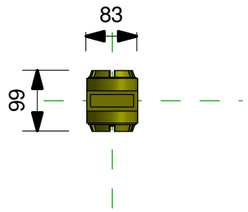
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2927**
	DATE **07-2020**	
	REVISION **0**	

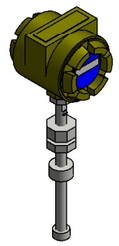
INPUT

Object Name **CFL-GAS-DSD-AL-___**

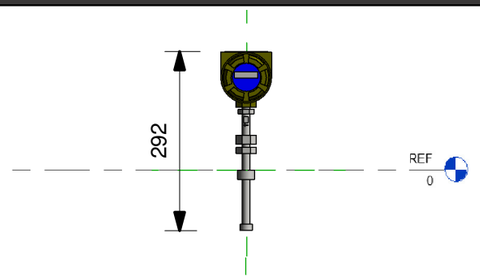
CATEGORY **Special Equipment**

LOD-G **300**

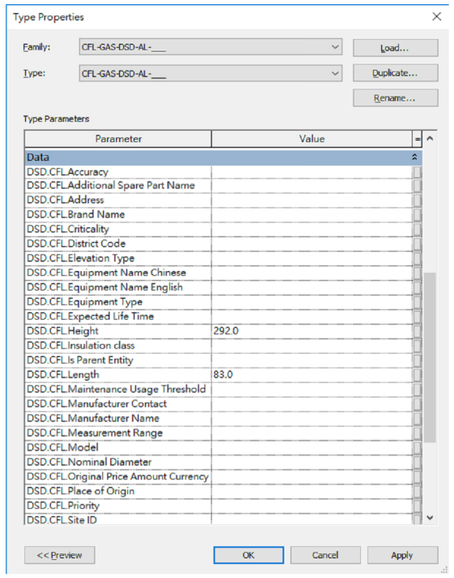




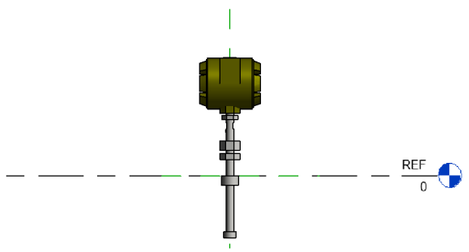
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CFL_GAS / DI_CFL_GAS

GF

2D SYMBOL

2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Flowmeter Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CFL	01/04/2019	01/04/2019	Aluminium

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Drainage Services Department

BIM OBJECT SHEET

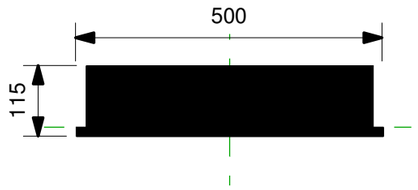
QR CODE For AM	SOFTWARE VERSION **Revit 2018**	REFERENCE NUMBER **DSD-OS-2928**
	DATE **07-2020**	
	REVISION **0**	

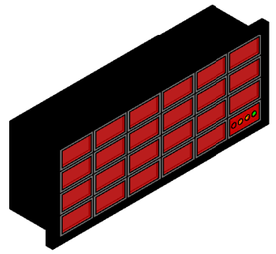
INPUT

Object Name **CAU-___-DSD-ME-___**

CATEGORY **Special Equipment**

LOD-G **300**





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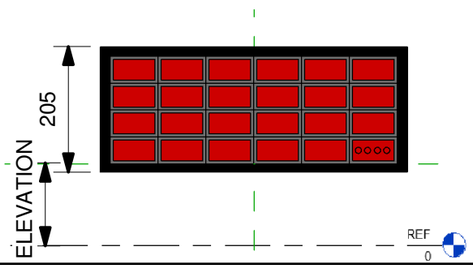
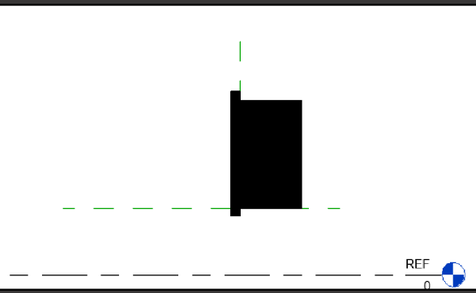
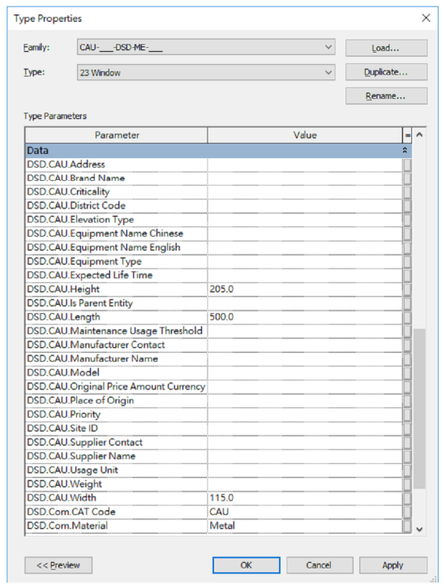


FRONT ELEVATION / SECTION



3D



3D GEOMETRY

SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

Anno_CAU / DI_CAU

CAU

2D SYMBOL

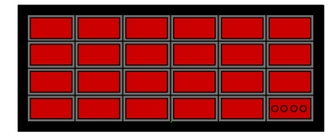
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
CAU		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Annunciator Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CAU	01/04/2019	01/04/2019	Metal

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Drainage Services Department

BIM OBJECT SHEET

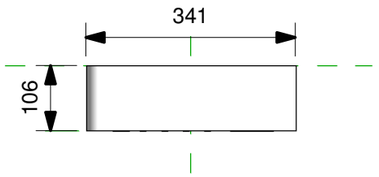
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2929**
	DATE **07-2020**	
	REVISION **0**	

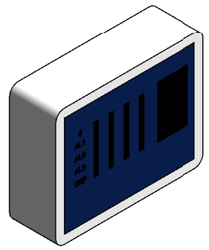
INPUT

Object Name **CMO-GAS-DSD-PL-___**

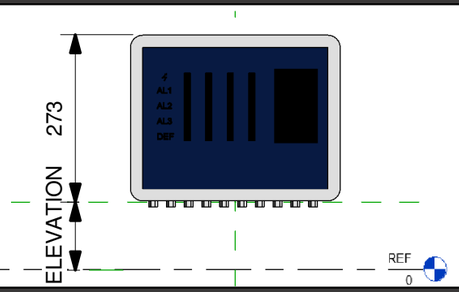
CATEGORY **Special Equipment**

LOD-G **300**

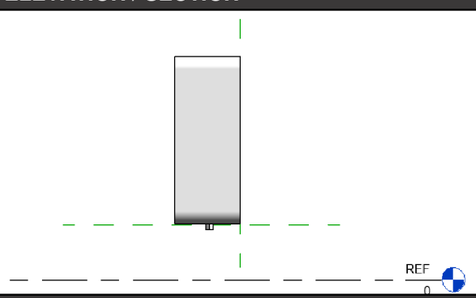




PLAN

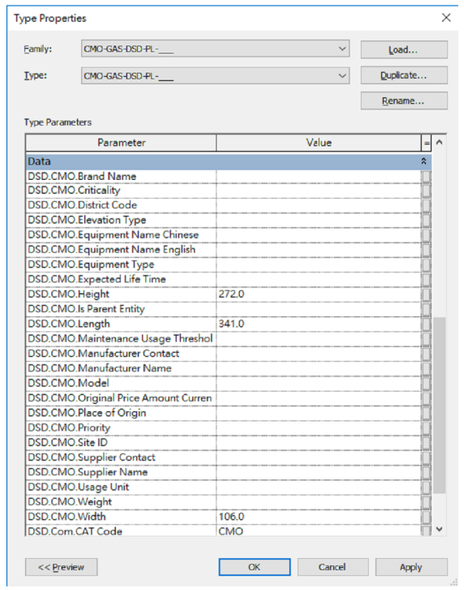


FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

3D



FAMILY VIEW : PARAMETER

3D GEOMETRY

Anno_CMO_GAS / DI_CMO_GAS

GM

2D SYMBOL

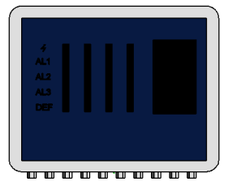
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
GM		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Monitor Schedule			
DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CMO	01/04/2019	01/04/2019	Plastic

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Drainage Services Department

BIM OBJECT SHEET

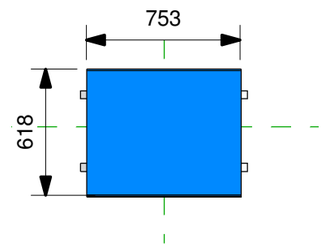
QR CODE For AM	SOFTWARE VERSION	REFERENCE NUMBER
	Revit 2018	**DSD-OS-2930**
	DATE **07-2020**	
	REVISION **0**	

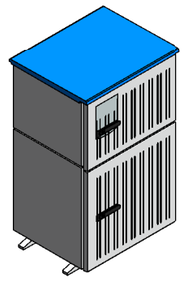
INPUT

Object Name **CSA-ASA-DSD-SS-___**

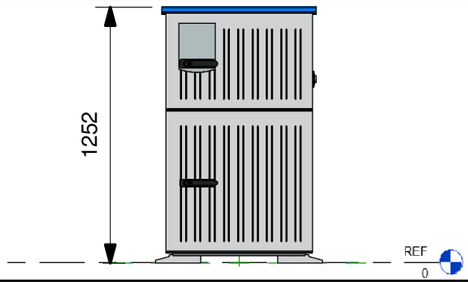
CATEGORY **Special Equipment**

LOD-G **300**

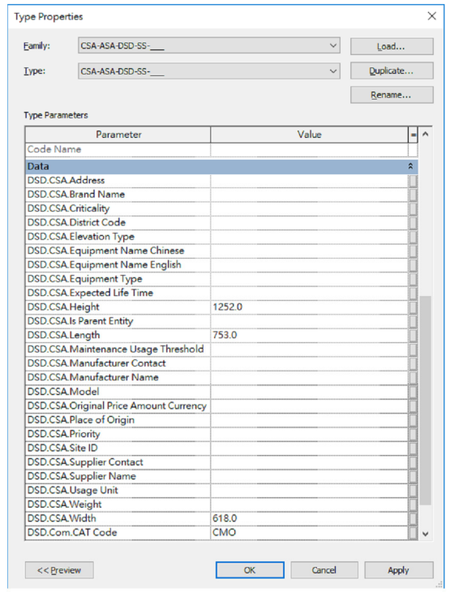




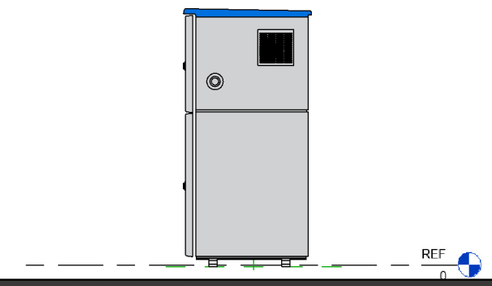
PLAN



3D



FRONT ELEVATION / SECTION



SIDE ELEVATION / SECTION

FAMILY VIEW : PARAMETER

3D GEOMETRY

2D Symbol Name

N.A.

2D SYMBOL

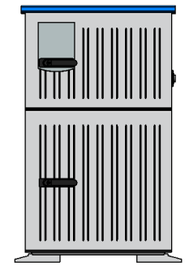
2D Tag / Label / Annotation Name

N.A.

2D TAG / LABEL / ANNOTATION

PURPOSE / VALUE DRIVEN BIM OBJECT DELIVERABLES

OUTPUT

SHEET VIEW : PLAN	SHEET VIEW : ELEVATION	
		PRESENTATION DRAWING
N.A.	N.A.	STATUTORY / AUTHORITIES SUBMISSION DRAWING
Project Specific	Project Specific	TENDER / CONSTRUCTION DRAWING

SCHEDULE IN DRAWING

Sampler Schedule

DSD.Com.CAT Code	DSD.Com.Commission Date	DSD.Com.Installed Date	DSD.Com.Material
CSA	01/04/2019	01/04/2019	Stainless Steel

Appendix G

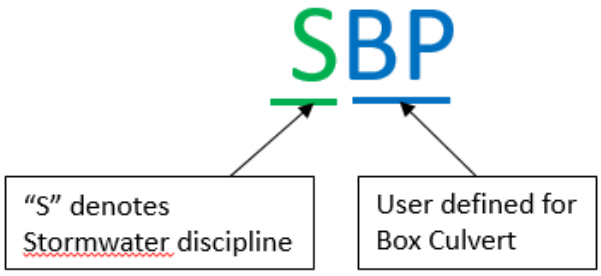
DSD CAT CODE

and DSD SUB-CAT CODE

For the CAT Code of model elements not included in this Appendix and the Appendix IV – Master Type List for BIM Object Naming of DevB BIM Harmonisation Guidelines for Works Departments, the principle of the naming convention at below shall be followed and it shall also be proposed in the BIM execution plan for DSD's approval. e.g. the CAD Code shall be unique and first letter of the CAT Code shall be the same for each discipline, for example:

Discipline	CAT Code first letter
Stormwater	S
Sewerage	F
Architectural	A
Structural	T
Civil	V
Engineering Survey	U
Landscape	L
Mechanical	M
Electrical	E
Building Services	B
Control and Instrumentation	C

The following is an example for naming “Box Culvert” in Stormwater discipline:



Stormwater

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Chamber		No.	SBH																					
Box Culvert		m	SBP																					
Catchpit		No.	SCH																					
Dry Weather Flow Interceptor		No.	SDH																					
Decked Nullah		m	SDP																					
Grated Cover		No.	SGC																					
Inlet		No.	SIH																					
Terminal Manhole		No.	SLH																					
Manhole Cover		No.	SMC																					
Manhole		No.	SMH																					
Outlet		No.	SNF																					
Nullah		m	SNP																					
Sand Trap		No.	SPH																					
Rising Main		m	SRM																					
Retaining Wall		m	SRW																					
Special Manhole		No.	SSH																					
Stepped channel		m	SSP																					
Tunnel		m	STP																					
U-channel		m	SUP																					
Pipe		m	SWD																					
Weir		No.	SWE																					

*V: Method for field verification of the object/equipment.

Sewerage

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Box Culvert		m	FBP																					
Chamber		No.	FCH																					
Terminal Manhole		No.	FLH																					
Manhole Cover		No.	FMC																					
Manhole		No.	FMH																					
Rising Main		m	FRM																					
Special Manhole		No.	FSH																					
Treatment Facility		No.	FTF																					
Tunnel		m	FTP																					
Pipe		m	FWD																					

*V: Method for field verification of the object/equipment.

Architectural

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Handrailing, Fencing		No.	ABA																					
Chequer Plate		m^2	ACP																					
Door		No.	ADO																					
Downpipe		m	ADP																					
Gate		No.	AGT																					
Access Ladder		No.	ALA																					
Window		No.	AWD																					

Structural

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Beam		m3	TBS																					
Column		m3	TCO																					
Slab		m2	TLA																					
Stair (Steps, Risers, Threads, Landings)		m2	TTE																					
Other		No.	TTH																					
Wall		m2	TWL																					

Civil

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Bollard		No.	VBL																					
Bridge Abutment		m^3	VBA																					
Foundations (Pile Cap, Mili Pile)		m^3	VFD																					
Natural Slope		m^2	VNS																					
Noise Barrier		m^2	VNB																					
Pavement		m^2	VPA																					
Precast Bridge Segment		m^3	VPB																					
Road		m^2	VRD																					
Road Signage		No.	VRS																					
Soil Nail		No.	VSN																					
Steel Bridge Segment		m^3	VSB																					

*V: Method for field verification of the object/equipment.

Mechanical

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Air Blower		No.	MAB																					
Air Compressor		No.	MAC																					
Air Receiver		No.	MAR																					
Biogas Burner		No.	MBB																					
Boiler		No.	MBO																					
Centrifuge		No.	MCT																					
Conveyor		No.	MCO																					
Dehumidifier		No.	MDH																					
Deodorizer		No.	MDE																					
Eliminator		No.	MEL																					
Flame Arrester Unit		No.	MFA																					
Heat Exchanger		No.	MHE																					
Heater		No.	MHA																					
Lifting Appliance		No.	MLA																					
Membrane Bioreactor		No.	MMB																					
Membrane Filter Press		No.	MMF																					
Mixer		No.	MMI																					
Penstock		No.	MPE																					
Pipe		m	MPI																					
Pipe Accessory		No.	MPA																					
Pipe Fitting		No.	MPF																					
Pressure Vessel		No.	MPV																					
Pump		No.	MPU																					
Scraper		No.	MSR																					
Screen		No.	MSC																					
Scrubber		No.	MSU																					
Scum Collector		No.	MSO																					
Skip		No.	MSK																					
Sludge Grinder		No.	MSG																					

*V: Method for field verification of the object/equipment.

Mechanical

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Solar Collector		No.	MSE																					
Stirrer		No.	MST																					
Stoplog		No.	MSL																					
Tank		No.	MTA																					
Universal I-Beam		No.	MUI																					
Valve		No.	MVA																					

*V: Method for field verification of the object/equipment.

Electrical

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Actuator		No.	EAC																					
Auto Voltage Regulator		No.	EAV																					
Battery & Charger		No.	EBC																					
Cable Draw Pit		No.	ECD																					
Control Panel		No.	ECP																					
Copper Tape		No.	ECT																					
Distribution Board		No.	EDB																					
Down Conductor		No.	EDC																					
Earth Pit		No.	EEP																					
Earthing Conductor		No.	EEC																					
Earthing Electrode		No.	EEE																					
Earthing Terminal		No.	EER																					
Electric Hot Water Boiler		No.	EEB																					
Fuse Connection Unit		No.	EFC																					
Generator Set		No.	EGE																					
Harmonic Filter		No.	EHF																					
Isolator		No.	EIS																					
Lightning Pit		No.	ELP																					
Lightning Stroke Counter		No.	ELS																					
Lightning Terminal		No.	ELT																					
Photovoltaic Panel		No.	EPP																					
Power Factor Correction Capacitors and Controller		No.	EPC																					
Ring Main Unit		No.	ERM																					
Socket Outlet		No.	ESO																					
Switch		No.	ESW																					
Switchboard		No.	ESB																					
Transformer		No.	ETR																					
Uninterrupted Power Supply		No.	EUP																					
Variable Speed Drive		No.	EVS																					

*V: Method for field verification of the object/equipment.

Building Services

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Air Conditioner		No.	BAC																					
Breakglass Unit		No.	BFB																					
Burglar Alarm Bell		No.	BAB																					
Burglar Alarm Panel		No.	BAP																					
Burglar Flashing Light		No.	BFL																					
Burglar Sensor		No.	BSE																					
Camera		No.	BCA																					
Card Reader		No.	BCR																					
Damper		No.	BDA																					
Diffuser		No.	BDI																					
Digital Video Recoder		No.	BDV																					
Door Lock		No.	BDL																					
Duct		m	BDU																					
Duct Fitting		No.	BDF																					
Exit Sign		No.	BFX																					
Fan		No.	BFA																					
Fan Coil Unit		No.	BFC																					
Filter		No.	BFI																					
Fire Alarm Audio / Visual		No.	BFS																					
Fire Alarm Panel		No.	BFP																					
Fire Detector		No.	BFD																					
Fire Extinguisher		No.	BFE																					
Fire Hydrant		No.	BFH																					
Grille		No.	BGR																					
Hose Reel		No.	BHR																					
Intercom		No.	BIN																					
Lighting Fitting		No.	BLF																					
Override Keyswitch		No.	BOK																					

*V: Method for field verification of the object/equipment.

Building Services

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
PA System Master Control Station		No.	BPA																					
Pan,Tilt and Zoom Controller		No.	BPT																					
Silencer		No.	BSI																					
Speaker		No.	BSP																					
Telephone Point		No.	BTP																					

Control and Instrumentation

Model Element List	Required (Y/N)	Quantity Take Off (QTO)	DSD CAT Code	Omni Class (Classi-fication)	Concept, Feasibility, Planning			Preliminary Scheme			Detailed Design			Submission to approval authority			Construction			As-Built				Remarks
					AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	AUT	LOD G	LOD I	V*	
Analyzer		No.	CAN																					
Annunciator		No.	CAU																					
Chart Recorder		No.	CCR																					
Detector		No.	CDE																					
Flowmeter		No.	CFL																					
Monitor		No.	CMO																					
Programmable Logic Controller		No.	CPL																					
Sampler		No.	CSA																					
Sensor		No.	CSE																					
Server		No.	CSV																					
Transmitter		No.	CTR																					
Workstation		No.	CWS																					

*V: Method for field verification of the object/equipment.

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Stormwater	Manhole	SMH	A__	Type A
			B__	Type B
			C__	Type C
			C1_	Type C1
			D__	Type D
			D1_	Type D1
			E__	Type E
			E1_	Type E1
			F__	Type F
			F1_	Type F1
			G__	Type G (without desilting opening)
			G1_	Type G1 (without desilting opening)
			G1D	Type G1D (with desilting opening)
			GD_	Type G/D (with desilting opening)
			H__	Type H (without desilting opening)
			HD_	Type H/D (with desilting opening)
			I__	Type I (without desilting opening)
			ID_	Type I/D (with desilting opening)
			J__	Type J (without desilting opening)
			JD_	Type J/D (with desilting opening)
			K__	Type K (without desilting opening)
			KD_	Type K/D (with desilting opening)
			L__	Type L (with desilting opening)
			PCA	Type A (Precast)
			PCB	Type B (Precast)
		SLH	T1_	Type T1
			T2_	Type T2
			T3_	Type T3
			T4_	Type T4
			T10	Type T5
		SSH	T1_	Type 1
			T2_	Type 2
			T3_	Type 3
	Manhole Cover	SMC	DT_	Double Triangular
			DES	Standard Desilting
			MA2	Type MA2 Double Seal Terminal
			MC2	Type MC2 Double Seal Terminal
			RD_	Recessed Desilting
	Chamber	SBH	AIV	Air Valve Chamber
			FLM	Flow Meter Chamber
			INL	Inlet Chamber
			ISP	Inspection Chamber
			INT	Intake Chamber
			OUT	Outlet Chamber
			OVF	Overflow Chamber
			SCN	Screen Chamber
			WSH	Washout Chamber

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Sewerage	Manhole	FMH	A__	Type A
			B__	Type B
			C__	Type C
			C1_	Type C1
			D__	Type D
			D1_	Type D1
			E__	Type E
			E1_	Type E1
			F__	Type F
			F1_	Type F1
			G__	Type G (without desilting opening)
			G1_	Type G1 (without desilting opening)
			G1D	Type G1D (with desilting opening)
			GD_	Type G/D (with desilting opening)
			H__	Type H (without desilting opening)
			HD_	Type H/D (with desilting opening)
			I__	Type I (without desilting opening)
			ID_	Type I/D (with desilting opening)
			J__	Type J (without desilting opening)
			JD_	Type J/D (with desilting opening)
			K__	Type K (without desilting opening)
			KD_	Type K/D (with desilting opening)
			L__	Type L (with desilting opening)
			PCA	Type A (Precast)
			PCB	Type B (Precast)
		FLH	T1_	Type T1
			T2_	Type T2
			T3_	Type T3
			T4_	Type T4
			T10	Type T5
		FSH	T1_	Type 1
			T2_	Type 2
			T3_	Type 3
	Manhole Cover	FMC	MA2	Type MA2 Double Seal Terminal
			MC2	Type MC2 Double Seal Terminal
			DT	Double Triangular
			RSS	Recessed Single Seal
			RDS	Recessed Double Seal
			SLH	Double Seal Terminal Manhole
	Treatment Facility	FTF	ANT	Aeration Tank
			FIC	Final Clarifier
			PST	Primary Sedimentation Tank
			GTF	Grip Trap
			SDR	Sludge Digestion Tank
			SDO	Sludge Draw-off Chamber

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Sewerage	Pipe Fitting	FRM	CRO	Cross
			ELB	Elbow
			FLA	Flange
			RED	Reducer
			TEE	Tee

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Architectural	Access Ladder	ALA	CAT	Cat Ladder
	Door	ADO	DF1	Type 1 Double Leaf
			DF2	Type 2 Double Leaf
			SF1	Type 1 Single Leaf
			SF2	Type 2 Single Leaf
			FD1	Tyoe 1 Folding Door
			RS1	Type 1 Roller Shutter
	Handrailing, Fencing	ABA	FCL	Chain Link Fence
			FHD	Mild Steel Fence
			FPB	Primary Boundary Fence
			H2A	Type 2A Railing
			HRD	Handrailing
	Gate	AGT	ACC	Access Gate
			CLF	Chain Link Fence Gate
			FPA	Flood Protection Gate
			LOC	Lockable Gate at Handrailing
			PED	Pedestrain Gate
			SSE	Stainless Steel Entrance Gate
			VEH	Vehicular Gate on Boundary Fence
	Window	AWD	LOU	Louver

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Structural	Wall	TWL	IFC	Internal Wall Finishing Fair Faced Concrete
			IFP	Internal Wall Finishing Painting
			IFT	Internal Wall Finishing Ceramic Tile
			IWL	Internal Wall
			PWL	Parapet Wall
			OPN	Wall Opening
			TFC	External Wall Finishing Fair Faced Concrete
	Slab	TLA	OPN	Slab Opening
			SFC	Slab Finishing Fair Faced Concrete
			SFO	Foundation Slab / Pile Cap
			SFP	Slab Finishing Painting
			SFT	Slab Finishing Ceramic Tile
	Beam	TBS	GBS	Ground Beam
			TIE	Tie Beam
	Other	TTH	COV	Cover and frame
			FLP	Flower Pot
			HRD	Hoarding
			INS	Instrumentation
			LOG	Logo
			SG_	Sign
			SGB	Signboard
			SPB	Publicity Board Support
			SPI	Manhole Step Iron
			WMB	Water Meter Box

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Mechanical	Conveyor	MCO	BEL	Belt Conveyor
			SHF	Shafted Conveyor
			SHL	Shaftless Conveyor
	Deodorizer	MDE	ATC	Activated Carbon Filter
			BIO	Biotrickling Filter
	Lifting Appliance	MLA	CHT	Chain Hoist
			DAV	Davit
			ECH	Electric Chain Hoist
			OTC	Crane
			GAN	Gantry
	Mixer	MMI	BMV	Bridge-mounted Vertical Mixer
			SUB	Submersible Mixer
	Penstock	MPE	HOD	Hand-Operated Penstock
			MOT	Motorized Penstock
			WEI	Weir Penstock
	Pipe Accessory	MPA	FLA	Flange Adaptor
			PUF	Puddle Flange
			STR	Strainer
	Pipe Fitting	MPF	CRO	Cross
			ELB	Elbow
			FLA	Flange
			RED	Reducer
			TEE	Tee
	Pump	MPU	CEN	Centrifugal Pump
			LOB	Lobe Pump
			PRC	Progressive Cavity Pump
			RAM	Ram Pump
			SCR	Screw Pump
			SEW	Sewage Pump
	Screen	MSC	MEB	Mechanised Bar Screen
			ROD	Rotary Drum Screen
	Tank	MTA	FUO	Fuel Oil Tank
			MIX	Mixing Tank
			STO	Storage Tank
	Valve	MVA	ADT	Adjustable Telescopic Valve
			AIR	Air Release Valve
			BAL	Ball Valve
			BUT	Butterfly Valve
			CHK	Check Valve
			ECP	Eccentric Plug Valve
			FLP	Flap Valve
			GAT	Gate Valve
			KNG	Knife Gate Valve
			MOT	Motorized Gate Valve
			PRR	Pressure Regulating Valve
			PRE	Pressure Relief Valve

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Electrical	Distribution Board	EDB	MCC	TPN MCCB Board
			SMC	SPN MCB Board
			TMC	TPN MCB Board
	Generator Set	EGE	CHP	Combined Heat and Power Generator
			DIE	Diesel Generator Set
	Isolator	EIS	3PH	Three Phase Isolator
			SIN	Single Phase Isolator
	Socket Outlet	ESO	3PH	16A 3 Phase 5 Pin Switched Socket Outlet
			SIN	13A 3 Pin Switched Socket Outlet
	Switch	ESW	DOP	Double Pole Switch
			LTG	Lighting Switch
	Switchboard	ESB	HV_	HV Switchboard
			LV_	LV Switchboard
	Transformer	ETR	HV_	HV Transformer
			LV_	LV Transformer

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Building Services	Burglar Sensor	BSE	ELM	Burglar Infra Red Sensor
			INR	Burglar Electromagnetic Sensor
	Camera	BCA	DOM	Dome Type Camera
			GUN	Gun Type Camera
	Damper	BDA	BAL	Balancing Damper
			FIR	Fire Damper
			SMO	Smoke Damper
			VOC	Volume Control Damper
	Diffuser	BDI	EXH	Exhaust Diffuser
			REA	Return Air Diffuser
			SUA	Supply Air Diffuser
	Duct Fitting	BDF	CAP	Cap
			CRO	Cross
			ELB	Elbow
			FLA	Reducer
			RTR	Retangular to Round Reducer
			TEE	Tee
	Exit Sign	BFX	DIR	Directional Exit Sign
			EXT	Exit Sign
	Fan	BFA	AXI	Axial Fan
			CEN	Centrifugal Fan
			ROE	Roof Extract Fan
	Fire Alarm Audio / Visual	BFS	BEL	Alarm Bell
			LAM	Indication Lamp
	Fire Alarm Panel	BFP	LOC	Local Fire Alarm and Indication Panel
			MAI	Main Fire Alarm and Indication Panel
			WPL	Weatherproof Local Fire Alarm and Indication Panel
	Fire Detector	BFD	FLA	Flame Detector
			HEA	Heat Detector
			INR	Infra Red Detector
			LIH	Linear Heat Detector
			SMO	Smoke Detector
	Fire Extinguisher	BFE	CO2	CO2 Fire Extinguisher
			H2O	H2O Fire Extinguisher
	Grille	BGR	EXH	Exhaust Grille
			REA	Return Air Grille
			SUA	Supply Air Grille
	Lighting Fitting	BLF	BUL	Bulkhead Light
			EME	Emergency Light
			FLO	Floodlight
			FLU	Fluorescent Light
			HIB	High Bay Light
			PER	Perimeter Light

Classification	Model Element	DSD CAT Code	DSD Sub CAT Code	Type
Control and Instrumentation	Analyzer	CAN	AMM	Ammonia Analyzer
			CHL	Chloride Analyzer
			MOI	Moisture Analyzer
			NIT	Nitrate Analyzer
	Detector	CDE	H2S	H2S Gas Detector
			MET	Methane Gas Detector
			OXY	Oxygen Detector
			POG	Portable Gas Detector
			SUS	Suspended Solids Detector
	Flowmeter	CFL	ELM	Electromagnetic Flowmeter
			GAS	Gas Flowmeter
			ORP	Orifice Plate Flowmeter
	Monitor	CMO	GAS	Gas Monitor
			TEM	Temperature Monitor
	Sensor	CSE	AMN	Ammonium Nitrogen Sensor
			DIO	Dissolved Oxygen Sensor
			FLS	Float Switch
			HYL	Hydrostatic Level Sensor
			LEE	Level Electrode
			MIL	Microwave Level Sensor
			NIN	Nitrate Nitrogen Sensor
			PH_	pH Sensor
			PRE	Pressure Sensor
			SUS	Suspended Solids Sensor
			TEM	Temperature Sensor
			TUR	Turbidity Sensor
			ULL	Ultrasonic Level Sensor
			VIB	Vibration Sensor
	Transmitter	CTR	AMN	Ammonium Nitrogen Transmitter
			DIO	Dissolved Oxygen Transmitter
			FLO	Flowmeter Transmitter
			HYL	Hydrostatic Level Transmitter
			MIL	Microwave Level Transmitter
			NIN	Nitrate Nitrogen Transmitter
			PH_	pH Transmitter
			PRE	Pressure Transmitter
			SUS	Suspended Solids Transmitter
			TEM	Temperature Transmitter
			TUR	Turbidity Transmitter
			ULL	Ultrasonic Level Transmitter
			VIB	Vibration Transmitter

Appendix H

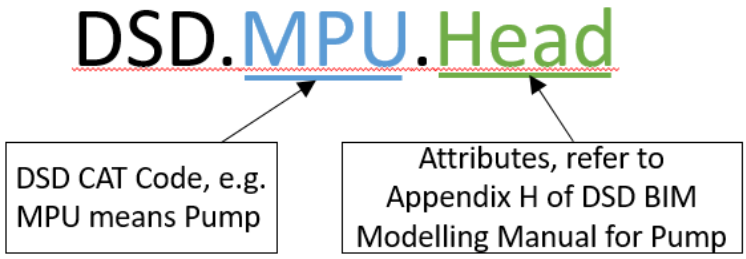
Attribute Table and DSD Asset Code Naming

Attributes for all DSD assets shall be classified into two types, they are common attributes and specific attributes.

i) Common Attributes:
- DSD.Com.Asset Code,
- DSD.Com.CAT Code,
- DSD.Com.Commission Date,
- DSD.Com.Installed Date,
- DSD.Com.Material
- DSD.Com.OmniClass Code
- DSD.Com.OmniClass Title
- DSD.Com.OmniClass Version
- DSD.Com.OM Manual
- DSD.Com.Test Report
- DSD.Com.Warranties
- DSD.Com.Drawing
- DSD.Com.Verification

All DSD assets shall contain these thirteen common attributes.

ii) Specific Attributes, for specific equipment, for example:



Stormwater

Box Culvert

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	SBP	NA
100	ID Mark	SBP0001	NA
100	Feature Type	Box Culvert	NA
100	Drainage System Type	Stormwater	NA
200-300	Asset Code	-	NA
200-300	Material	Concrete (1)	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	-	NA
200-300	Link to Other Drawing	40001.dgn	NA
200-300	Concrete Grade	30/20D	NA
200-300	Shape	Rectangular(2)	NA
200-300	Length	10000	mm
200-300	Width W1	3000	mm
200-300	Height H1	3000	mm
200-300	Height H2	2400	mm
200-300	Thickness T1	300	mm
200-300	Thickness T2	300	mm
200-300	Thickness T3	300	mm
200-300	Thickness T4	300	mm
200-300	Upstream IL	1.100	mPD
200-300	Downstream IL	1.000	mPD
200-300	Dry Weather Flow Channel	Y	Y/N

Stormwater

Box Culvert

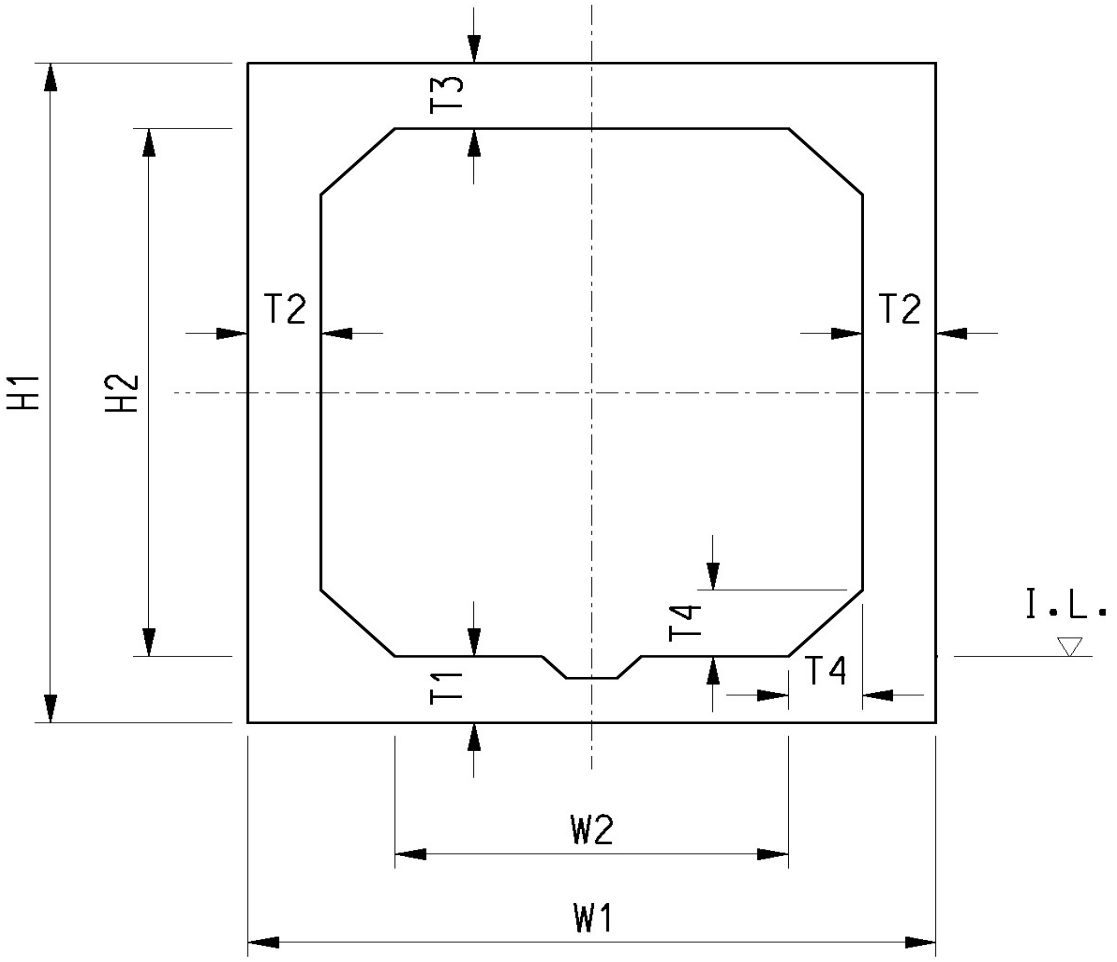
LOD-I	Proposed Attribute Name	Example	Unit
200-300	No of Cell	1	NA
200-300	Balancing Hole	N	Y/N
200-300	Gradient	1 in 100	NA
200-300	OmniClass Code	23-11 21 21 11 13 15	NA
200-300	OmniClass Title	Concrete Box Culverts	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2011/06	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	Feature No	SBP1000388	NA
400	Upstream Feature No	SBP1000387	NA
400	Downstream Feature No	SBP1000051	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(3)	NA

Stormwater

Box Culvert

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Typical Section

Remarks:

(1): Material = [Concrete], [Brick], [Masonry], [Rock], [Stone], [Precast Concrete Lining], [Cast-in-situ Concrete], [Cast-in-situ Concrete with HDPE liner]

(2): Shape = [Circular], [Rectangular], [Square], [Barrel], [Trapezoidal], [Irregular]

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Stormwater

Catchpit

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	SCH	NA
100	ID Mark	SCH0009	NA
100	Feature Type	Catchpit	NA
100	Drainage System Type	Stormwater	NA
200-300	Asset Code	-	NA
200-300	Material	Concrete(1)	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	DS1011	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Concrete Grade	30/20D	NA
200-300	Nominal Size	450(2)	mm
200-300	Length	950(2)	mm
200-300	Width	725(2)	mm
200-300	Internal Length	450	mm
200-300	Internal Width	225	mm
200-300	Internal Headroom	850	mm
200-300	Height	1000	mm
200-300	Cover Level	4.000	mPD
200-300	Invert Level A1 Inlet	3.300	mPD
200-300	Invert Level A2 Inlet	3.3	mPD
200-300	Invert Level A3 Inlet	Nil	mPD
200-300	Invert Level A4 Inlet	Nil	mPD

Stormwater

Catchpit

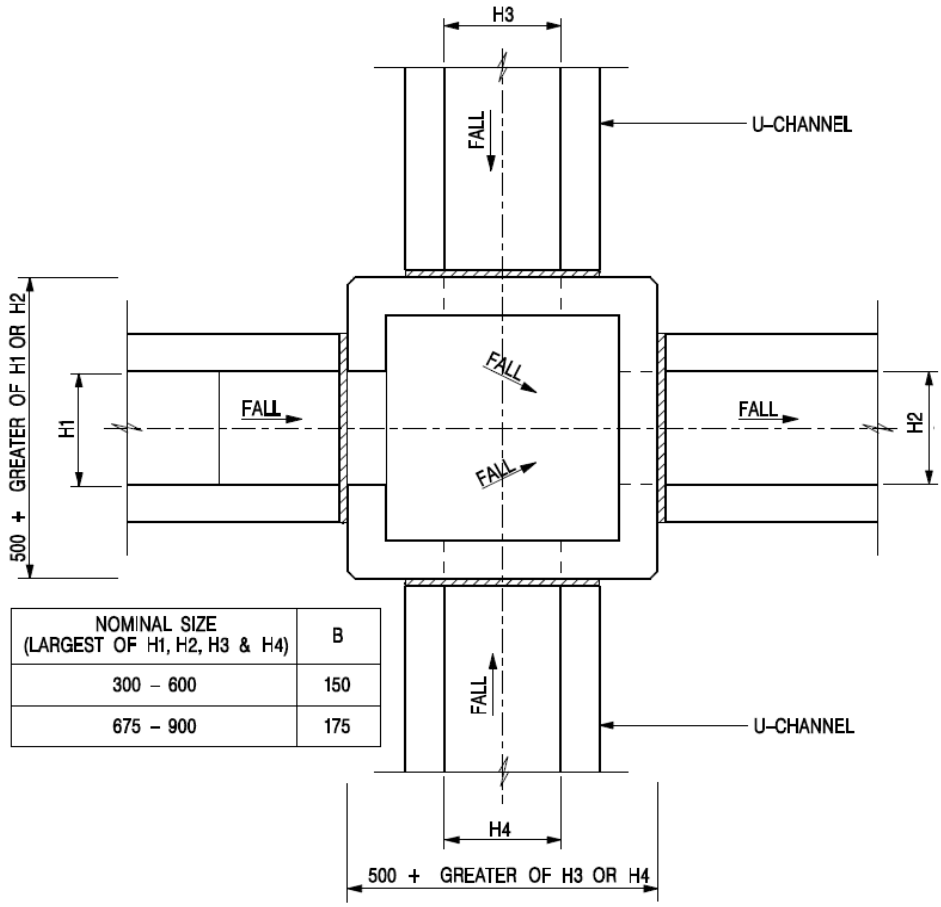
LOD-I	Proposed Attribute Name	Example	Unit
200-300	Invert Level X1 Outlet	3.200	mPD
200-300	OmniClass Code	23-11 21 21 13	NA
200-300	OmniClass Title	Catch Basins	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	Feature No	-	NA
400	Contract Number	DC/2013/09	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(3)	NA

Stormwater

Catchpit

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Plan

Remarks:

(1): Material = [Concrete], [Brick]

(2): Please refer to CEDD Standard Drawing No. C2405 for definition of Nominal Size, Length and Width

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Stormwater

U-channel

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	SUP	NA
100	ID Mark	SUP0006	NA
100	Feature Type	U Channel	NA
100	Drainage System Type	Stormwater	NA
200-300	Asset Code	-	NA
200-300	Material	Concrete (1)	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	DS1011	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Concrete Grade	30/20D	NA
200-300	Shape	U Shape(2)	NA
200-300	Nominal Size	450(3)	mm
200-300	Height	1050	mm
200-300	Length	10000	mm
200-300	Width	650(3)	mm
200-300	Upstream IL	3.900	mPD
200-300	Downstream IL	3.800	mPD
200-300	Gradient	1 in 100	NA
200-300	OmniClass Code	23-11 21 21 15	NA
200-300	OmniClass Title	Channels	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY

Stormwater

U-channel

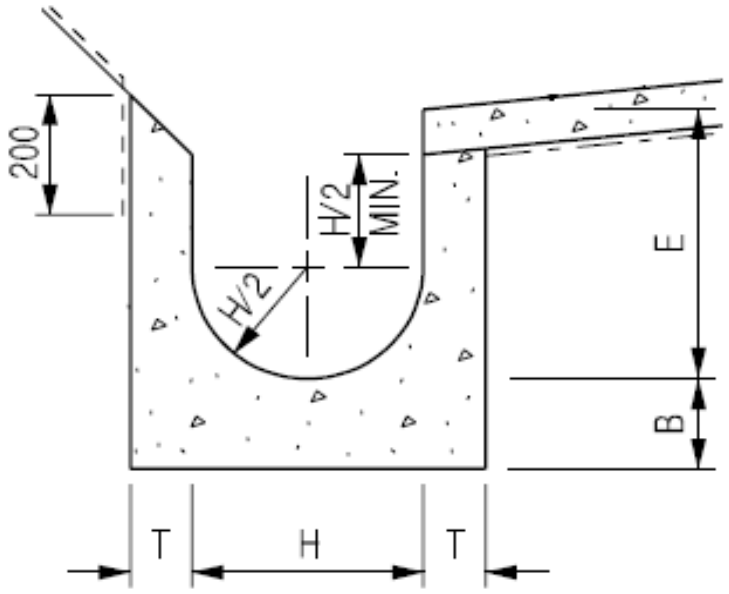
LOD-I	Proposed Attribute Name	Example	Unit
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	Feature No	SUP1000061	NA
400	Upstream Feature No	SCH1000491	NA
400	Downstream Feature No	SCH1000487	NA
400	Contract Number	DC/2018/01	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(4)	NA

Stormwater

U-channel

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Typical Section

Remarks:

(1): Material = [Concrete], [Brick], [Earth], [Gabion], [Reno Mattress], [Grasscrete], [Masonry], [Rock], [Stone]

(2): Shape = [Rectangular], [Square], [Barrel], [Trapezoidal], [Irregular], [U Shape]

(3): Please refer to CEDD Standard Drawing No. C2409 for definition of Nominal Size and Width

(4): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a

Stormwater

Manhole Cover

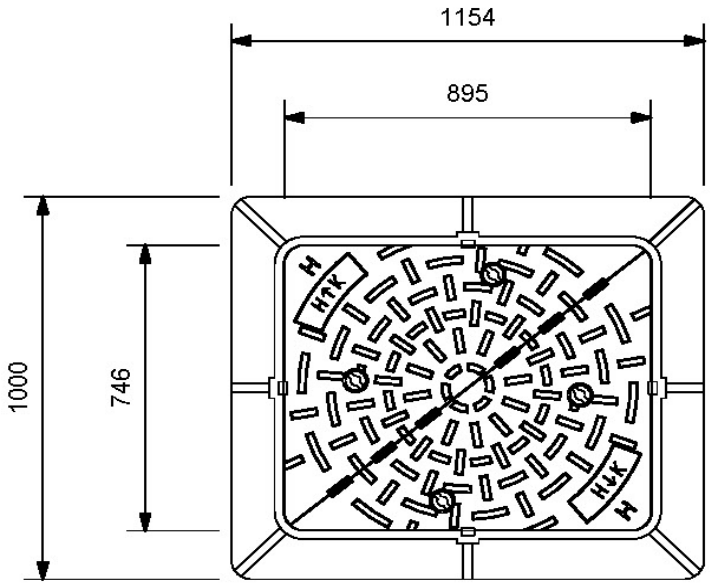
LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	SMC	NA
100	ID Mark	SMC0003	NA
100	Feature Type	Manhole Cover	NA
100	Drainage System Type	Stormwater	NA
200-300	Asset Code	-	NA
200-300	Material	Cast Iron	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	DS1034B	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Shape	Rectangular	NA
200-300	Northing of Centroid	816467.520	m
200-300	Easting of Centroid	832815.420	m
200-300	Length	895(1)	mm
200-300	Width	745(1)	mm
200-300	OmniClass Code	23-39 29 11 13 13	NA
200-300	OmniClass Title	Manhole Cover	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2013/09	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY

Stormwater

Manhole Cover

LOD-I	Proposed Attribute Name	Example	Unit
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(2)	NA

Example Image:



Plan

Remarks:

(1): For more types of cover, please refer to http://www.dsd.gov.hk/EN/Technical_Documents/Standard_Drawings/index.html

(2): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Stormwater

Manhole

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	SMH	NA
100	ID Mark	SMH0003	NA
100	Feature Type	Manhole	NA
100	Drainage System Type	Stormwater	NA
200-300	Asset Code	DC201309-ST-SWHSTW-SW-SMH-___-___-SMH0003	NA
200-300	Material	Concrete(1)	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	DS1005	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Manhole Type	Type E(2)	NA
200-300	Northing of Centroid	831828.999	m
200-300	Easting of Centroid	842268.000	m
200-300	Depth	3000	mm
200-300	Internal Length	1425	mm
200-300	Internal Width	1350	mm
200-300	Internal Headroom	1750	mm
200-300	Cover Level	8.650	mPD
200-300	No of Covers	1	NA
200-300	Max Design Water Level	8.150	mPD
200-300	Invert Level A1	5.250	mpD
200-300	Invert Level A2	Nil	mPD

Stormwater

Manhole

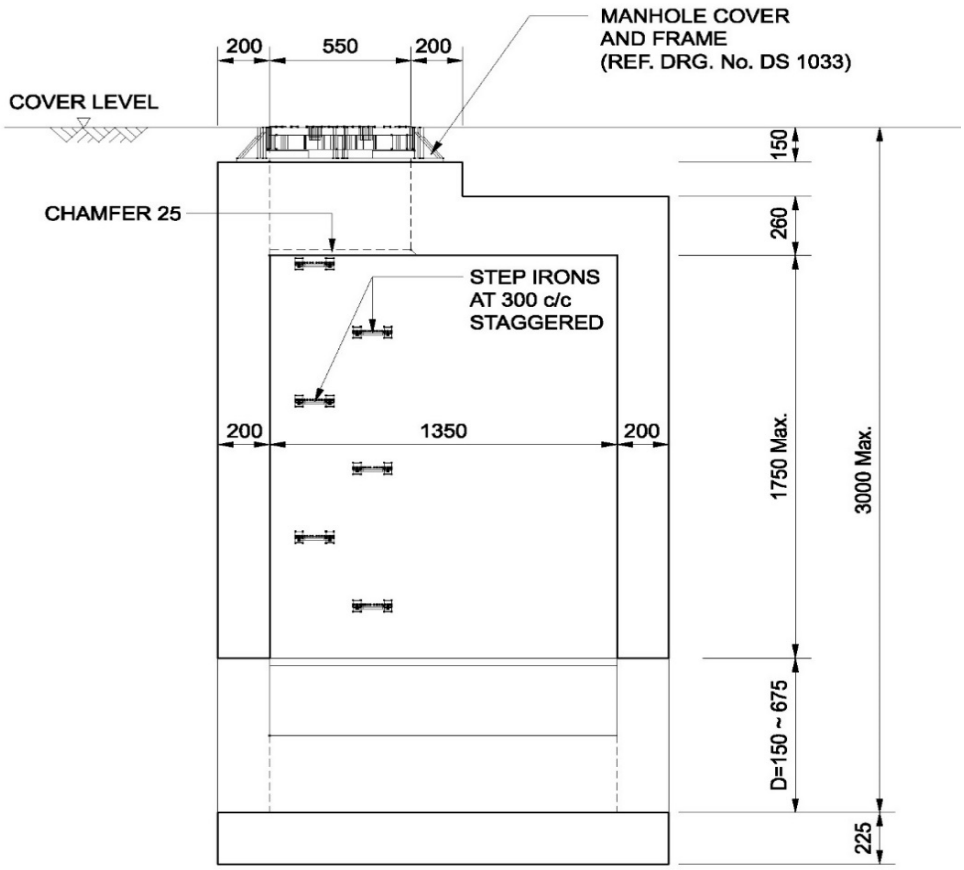
LOD-I	Proposed Attribute Name	Example	Unit
200-300	Invert Level A3	Nil	mPD
200-300	Invert Level A4	Nil	mPD
200-300	Invert Level X1	5.150	mPD
200-300	Bottom Level	5.150	mPD
200-300	Concrete Cover	40	mm
200-300	Concrete Grade	30_20D	NA
200-300	Reinforcement	T20_200	NA
200-300	Platform	N	Y/N
200-300	Step Iron	Y	Y/N
200-300	Ladder	N	Y/N
200-300	OmniClass Code	23-39 29 11 13 11	NA
200-300	OmniClass Title	Manhole	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2013/09	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA

Stormwater

Manhole

LOD-I	Proposed Attribute Name	Example	Unit
500	Verification	A(3)	NA

Example Image



Typical Section

Remarks:

(1): Material = [Concrete], [Brick]

(2): Manhole Type = [Type A], [Type B], [Type C], [Type D], [Type E], [Type F], [Type G], [Type H], [Type I], [Type J], [Type K], [Type L], [Backdrop (Type 1)], [Backdrop (Type 2)], [Backdrop (Type 3)], [Type G/D], [Type H/D], [Type I/D], [Type J/D], [Type K/D], [Type C1], [Type D1], [Type E1], [Type F1], [Type G1], [Type G1D]

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Stormwater

Rising Main

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	SRM	NA
100	ID Mark	SRM0001	NA
100	Feature Type	Rising Main	NA
100	Drainage System Type	Stormwater	NA
200-300	Asset Code	DC201309-ST-SWHSTW-SW-SRM-MFB-BRC01-CHC0009_0062	NA
200-300	Material	Ductile Iron	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	-	NA
200-300	Link to Other Drawing	-	NA
200-300	Shape	Circular	NA
200-300	Nominal Size	200	mm
200-300	Length	10000	mm
200-300	Design Pressure	20	bar
200-300	Design Flow Rate	3.000	m^3/s
200-300	Lining Material	-	NA
200-300	Lining Thickness	-	mm
200-300	Upstream IL	2	mPD
200-300	Downstream IL	4	mPD
200-300	Gradient	1 in 50	NA
200-300	OmniClass Code	23-27 43 00	NA
200-300	OmniClass Title	Pipe Fittings	NA

Stormwater

Rising Main

LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2013/09	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	Feature No	SRM7000120	NA
400	Upstream Feature No	SMH7000060	NA
400	Downstream Feature No	SMH7041880	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(3)	NA

Stormwater

Rising Main

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:

BLANK

Remarks:

(1): Material = [Ductile Iron], [Glass Reinforced Polyester], [High Density Polyethylene], [Mild Steel], [P.E.], [Stainless Steel], [Steel]

(2): Shape = [Circular]

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Stormwater

Pipe

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	SWD	NA
100	ID Mark	SWD0001	NA
100	Feature Type	Pipe	NA
100	Drainage System Type	Stormwater	NA
200-300	Asset Code	DC200616-MOS-___-SW-SWD-SMH0002-SMH0003-___	NA
200-300	Material	Concrete	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	-	NA
200-300	Link to Other Drawing	-	NA
200-300	Shape	Circular	NA
200-300	Nominal Size	1050	mm
200-300	Length	5000	mm
200-300	Design Pressure	0	bar
200-300	Design Flow Rate	20	m^3/s
200-300	Lining Material	Spay Lining	NA
200-300	Lining Thickness	10	mm
200-300	Upstream IL	1.1	mPD
200-300	Downstream IL	1	mPD
200-300	Gradient	1 in 100	NA
200-300	OmniClass Code	23-27 43 00	NA
200-300	OmniClass Title	Pipe Fittings	NA

Stormwater

Pipe

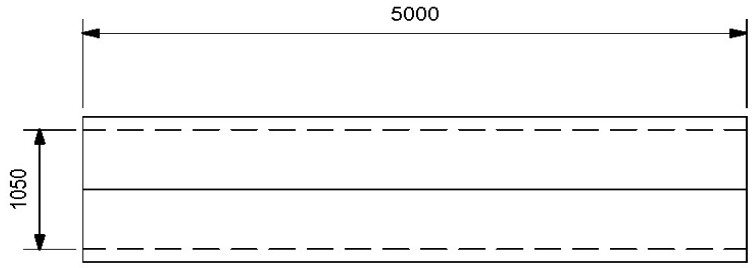
LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2013/09	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	Feature No	SWD7093504	NA
400	Upstream Feature No	SMH7076221	NA
400	Downstream Feature No	SSH7003680	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(3)	NA

Stormwater

Pipe

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Plan

Remarks:

(1): Material = [Brick], [Cast Iron], [Clay], [Concrete], [Ductile Iron], [Glass Reinforced Polyester], [High Density Polyethylene], [Masonry], [Medium Density Polyethylene], [Polyethylene], [PVC], [Rock], [Steel], [Stone], [uPVC], [Vitrified Clay]

(2): Shape = [Barrel], [Circular], [Irregular], [Oval], [Rectangular], [Square], [Trapezoidal]

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Sewerage

Box Culvert (Twin Cell)

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	FBP	NA
100	ID Mark	FBP0001	NA
100	Feature Type	Box Culvert	NA
100	Drainage System Type	Sewerage	NA
200-300	Asset Code	-	NA
200-300	Material	Concrete (1)	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	-	NA
200-300	Link to Other Drawing	40001.dgn	NA
200-300	Concrete Grade	30/20D	NA
200-300	Shape	Rectangular(2)	NA
200-300	Length	10000	mm
200-300	Width W1	5300	mm
200-300	Height H1	2100	mm
200-300	Height H2	1500	mm
200-300	Thickness T1	300	mm
200-300	Thickness T2	300	mm
200-300	Thickness T3	300	mm
200-300	Thickness T4	300	mm
200-300	Upstream IL	1.100	mPD
200-300	Downstream IL	1.000	mPD
200-300	Dry Weather Flow Channel	Y	Y/N

Sewerage

Box Culvert (Twin Cell)

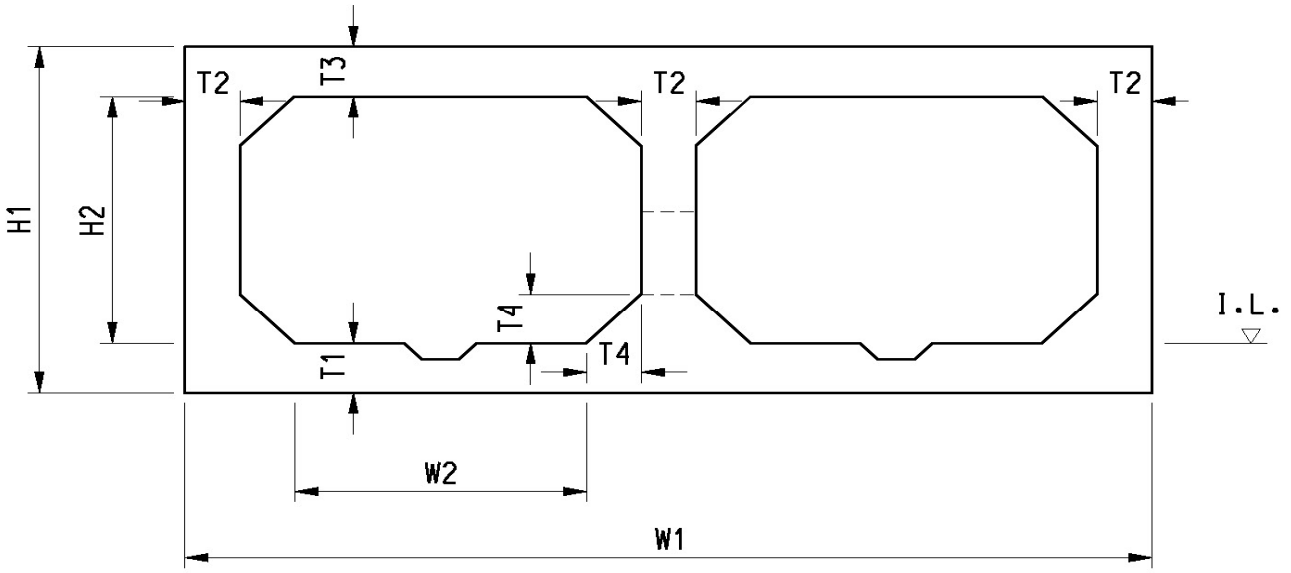
LOD-I	Proposed Attribute Name	Example	Unit
200-300	No of Cell	2	NA
200-300	Balancing Hole	Y	Y/N
200-300	Gradient	1 in 100	NA
200-300	OmniClass Code	23-11 21 21 11 13 15	NA
200-300	OmniClass Title	Concrete Box Culverts	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2011/06	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	Feature No	FBP1000388	NA
400	Upstream Feature No	FBP1000387	NA
400	Downstream Feature No	FBP1000051	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(3)	NA

Sewerage

Box Culvert (Twin Cell)

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Typical Section

Remarks:

(1): Material = [Concrete], [Brick], [Masonry], [Rock], [Stone], [Precast Concrete Lining], [Cast-in-situ Concrete], [Cast-in-situ Concrete with HDPE liner]

(2): Shape = [Circular], [Rectangular], [Square], [Barrel], [Trapezoidal], [Irregular]

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Sewerage

Manhole Cover

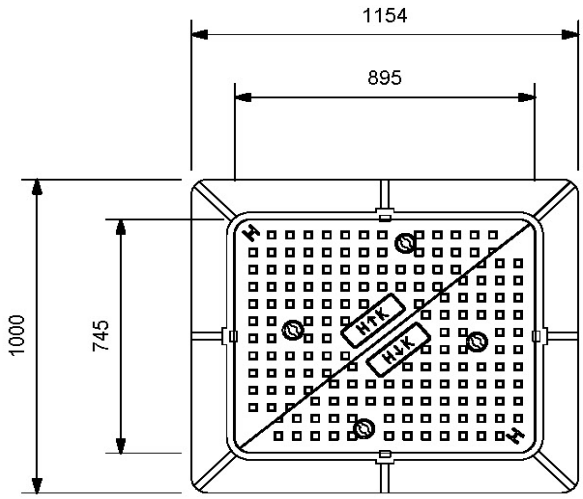
LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	FMC	NA
100	ID Mark	FMC0003	NA
100	Feature Type	Manhole Cover	NA
100	Drainage System Type	Sewerage	NA
200-300	Asset Code	-	NA
200-300	Material	Cast Iron	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	DS1034B	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Shape	Rectangular	NA
200-300	Northing of Centroid	816467.520	m
200-300	Easting of Centroid	832815.420	m
200-300	Length	895(1)	mm
200-300	Width	745(1)	mm
200-300	OmniClass Code	23-39 29 11 13 13	NA
200-300	OmniClass Title	Manhole Cover	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2013/09	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY

Sewerage

Manhole Cover

LOD-I	Proposed Attribute Name	Example	Unit
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(2)	NA

Example Image:



Plan

Remarks:

(1): For more types of cover, please refer to http://www.dsd.gov.hk/EN/Technical_Documents/Standard_Drawings/index.html

(2): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Sewerage

Manhole

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	FMH	NA
100	ID Mark	FMH0003	NA
100	Feature Type	Manhole	NA
100	Drainage System Type	Sewerage	NA
200-300	Asset Code	DC200616-MOS-MOS108SPS-FW-FMH-___-___-FMH0002	NA
200-300	Material	Concrete(1)	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	DS1005	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Manhole Type	Type E(2)	NA
200-300	Northing of Centroid	831828.999	m
200-300	Easting of Centroid	842268.000	m
200-300	Depth	3000	mm
200-300	Internal Length	1425	mm
200-300	Internal Width	1350	mm
200-300	Internal Headroom	1750	mm
200-300	Cover Level	8.650	mPD
200-300	No of Covers	1	NA
200-300	Max Design Water Level	8.150	mPD
200-300	Invert Level A1	5.250	mpD
200-300	Invert Level A2	Nil	mPD

Sewerage

Manhole

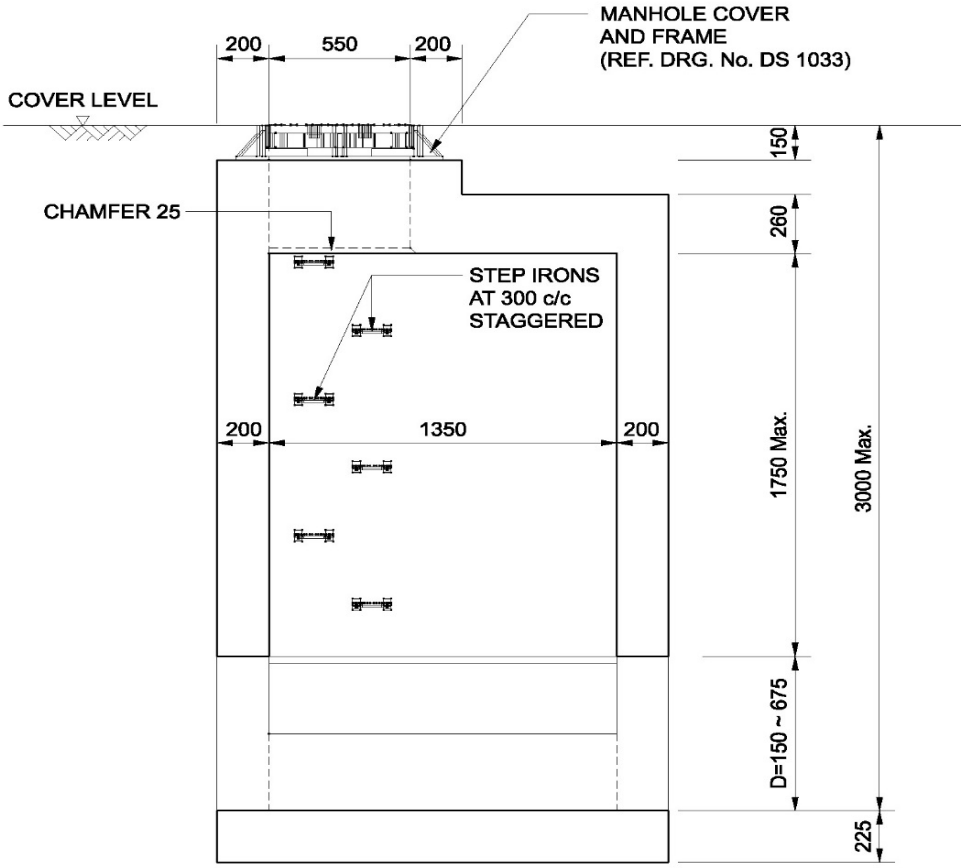
LOD-I	Proposed Attribute Name	Example	Unit
200-300	Invert Level A3	Nil	mPD
200-300	Invert Level A4	Nil	mPD
200-300	Invert Level X1	5.150	mPD
200-300	Bottom Level	5.150	mPD
200-300	Concrete Cover	40	mm
200-300	Concrete Grade	30_20D	NA
200-300	Reinforcement	T20_200	NA
200-300	Platform	N	Y/N
200-300	Step Iron	Y	Y/N
200-300	Ladder	N	Y/N
200-300	OmniClass Code	23-39 29 11 13 11	NA
200-300	OmniClass Title	Manhole	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2013/09	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(3)	NA

Sewerage

Manhole

LOD-I	Proposed Attribute Name	Example	Unit
500	Verification	A(3)	NA

Example Image:



Typical Section

Remarks:

(1): Material = [Concrete], [Brick]

(2): Manhole Type = [Type A], [Type B], [Type C], [Type D], [Type E], [Type F], [Type G], [Type H], [Type I], [Type J], [Type K], [Type L], [Backdrop (Type 1)], [Backdrop (Type 2)], [Backdrop (Type 3)], [Type G/D], [Type H/D], [Type I/D], [Type J/D], [Type K/D], [Type C1], [Type D1], [Type E1], [Type F1], [Type G1], [Type G1D]

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Sewerage

Rising Main

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	FRM	NA
100	ID Mark	FRM0001	NA
100	Feature Type	Rising Main	NA
100	Drainage System Type	Sewerage	NA
200-300	Asset Code	DC201309-NNT-SWHSTW-FW-FRM-MFB-BRC01-CHC0009_0062	NA
200-300	Material	Ductile Iron	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	-	NA
200-300	Link to Other Drawing	-	NA
200-300	Shape	Circular	NA
200-300	Nominal Size	225	mm
200-300	Length	500	mm
200-300	Design Pressure	0.000	bar
200-300	Design Flow Rate	20.000	m^3/s
200-300	Lining Material	-	NA
200-300	Lining Thickness	-	mm
200-300	Upstream IL	1.100	mPD
200-300	Downstream IL	1.000	mPD
200-300	Gradient	1 in 100	NA
200-300	OmniClass Code	23-27 43 00	NA
200-300	OmniClass Title	Pipe Fittings	NA

Sewerage

Rising Main

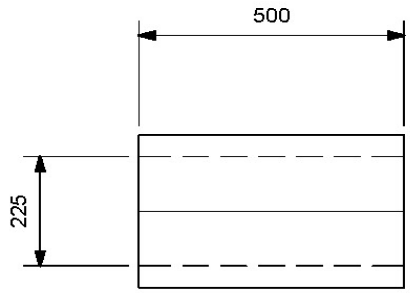
LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2013/09	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	Feature No	FRM7093504	NA
400	Upstream Feature No	FMH7076221	NA
400	Downstream Feature No	FSH7003680	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(3)	NA

Sewerage

Rising Main

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Plan

Remarks:

(1): Material = [Brick], [Cast Iron], [Clay], [Concrete], [Ductile Iron], [Glass Reinforced Polyester], [High Density Polyethylene], [Masonry], [Medium Density Polyethylene], [Polyethylene], [PVC], [Rock], [Steel], [Stone], [uPVC], [Vitrified Clay]

(2): Shape = [Barrel], [Circular], [Irregular], [Oval], [Rectangular], [Square], [Trapezoidal]

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Sewerage

Pipe

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	FWD	NA
100	ID Mark	FWD0001	NA
100	Feature Type	Pipe	NA
100	Drainage System Type	Sewerage	NA
200-300	Asset Code	DC200616-MOS-___-FW-FWD-FMH0002-FMH0003-___	NA
200-300	Material	Vitrified Clay Pipe	NA
200-300	Maintenance Agent	MSD	NA
200-300	Link to Standard Drawing	-	NA
200-300	Link to Other Drawing	-	NA
200-300	Shape	Circular	NA
200-300	Nominal Size	225	mm
200-300	Length	500	mm
200-300	Design Pressure	0.000	bar
200-300	Design Flow Rate	20.000	m^3/s
200-300	Lining Material	Spay Lining	NA
200-300	Lining Thickness	10	mm
200-300	Upstream IL	1.100	mPD
200-300	Downstream IL	1.000	mPD
200-300	Gradient	1 in 100	NA
200-300	OmniClass Code	23-27 43 00	NA
200-300	OmniClass Title	Pipe Fittings	NA

Sewerage

Pipe

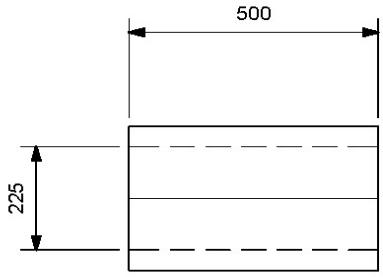
LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Contract Number	DC/2013/09	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	Feature No	FWD7093504	NA
400	Upstream Feature No	FMH7076221	NA
400	Downstream Feature No	FSH7003680	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(3)	NA

Sewerage

Pipe

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Plan

Remarks:

(1): Material = [Brick], [Cast Iron], [Clay], [Concrete], [Ductile Iron], [Glass Reinforced Polyester], [High Density Polyethylene], [Masonry], [Medium Density Polyethylene], [Polyethylene], [PVC], [Rock], [Steel], [Stone], [uPVC], [Vitrified Clay]

(2): Shape = [Barrel], [Circular], [Irregular], [Oval], [Rectangular], [Square], [Trapezoidal]

(3): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Architectural

Door

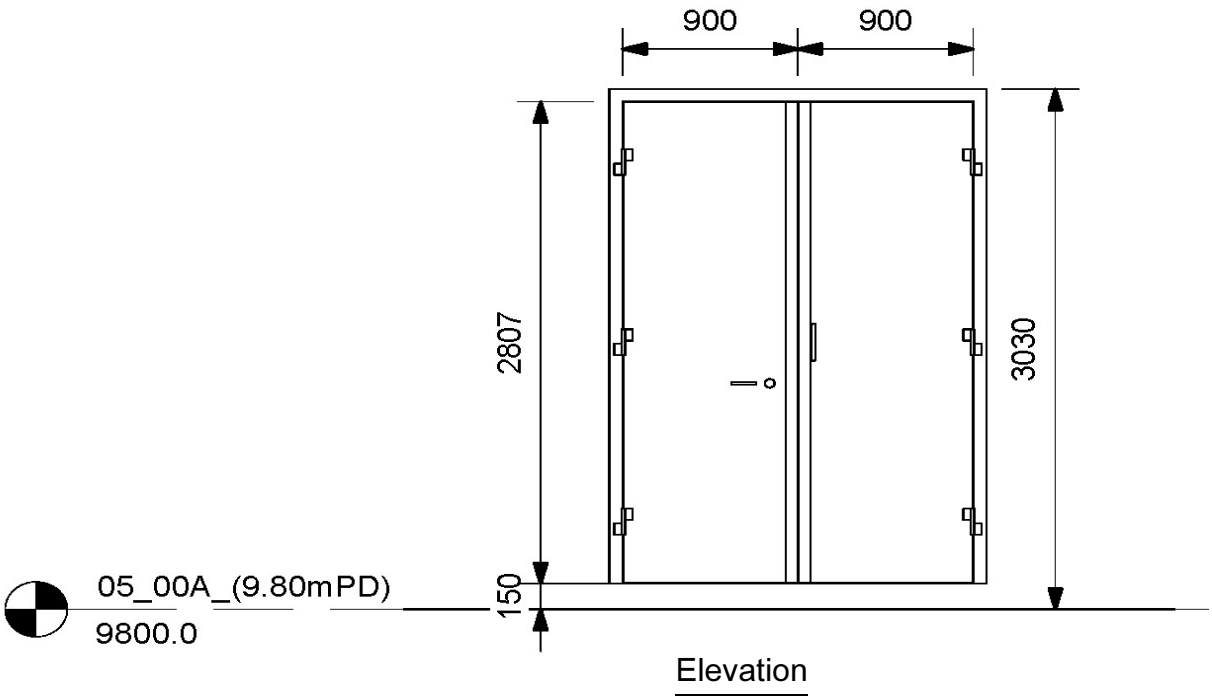
LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	ADO	NA
100	Door Mark	D1	NA
200-300	Asset Code	MOS108SPS-SPS-00A-TFR-___-ADO-DF2001	NA
200-300	Material	Stainless Steel	NA
200-300	Maintenance Agent	BCM	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Level	9.800	mPD
200-300	Frame Material	Stainless Steel	NA
200-300	Sill Height	150	mm
200-300	Head Height	3030	mm
200-300	Space Room	Transformer Room	NA
200-300	Door Panel Width	900	mm
200-300	Door Panel Height	2807	mm
200-300	Fire Rating	1.5	Hours
200-300	Door Type	Double Leaf	NA
200-300	OmniClass Code	23-17 11 00	NA
200-300	OmniClass Title	Doors	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	02/05/2018	DD/MM/YYYY
400	Contract Number	DC/2006/16	NA

Architectural

Door

LOD-I	Proposed Attribute Name	Example	Unit
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	31/12/2018	DD/MM/YYYY
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Example Image:



Elevation

Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Architectural

Louver

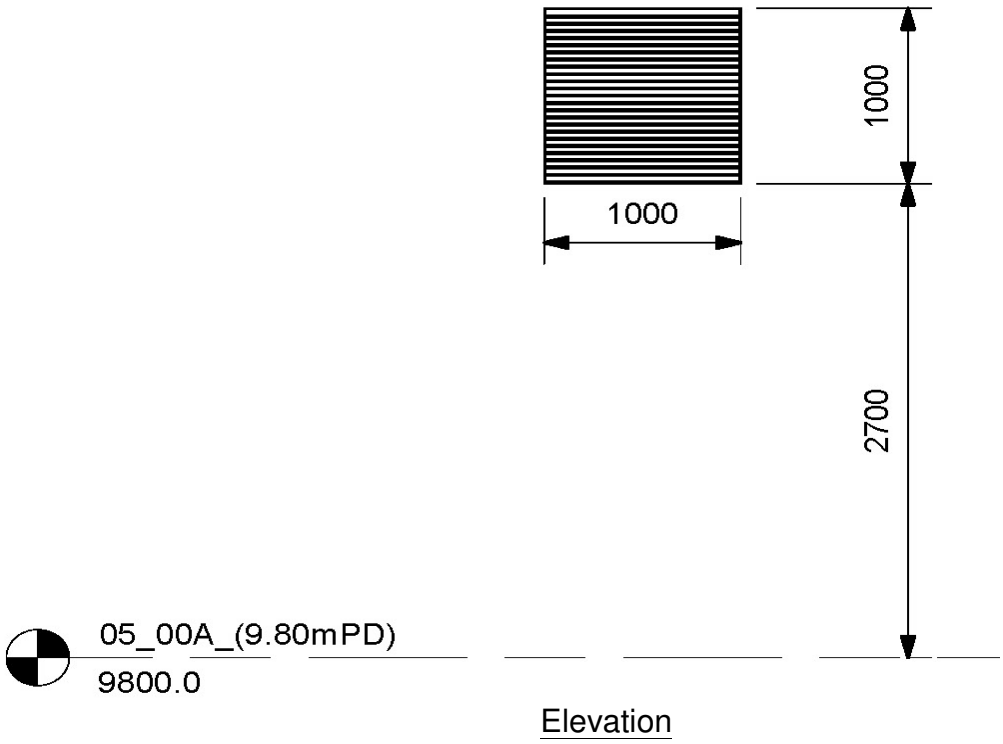
LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	AWD	NA
100	Mark	L1	NA
200-300	Asset Code	MOS108SPS-SPS-00A-TFR-AWD-ALO-T1001	NA
200-300	Material	Aluminium	NA
200-300	Maintenance Agent	BCM	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Level	9.800	mPD
200-300	Frame Material	Aluminium	NA
200-300	Sill Height	2700	mm
200-300	Head Height	3700	mm
200-300	Space Room	Transformer Room	mPD
200-300	Width	1000	mm
200-300	Height	1000	mm
200-300	OmniClass Code	23-33 29 31	NA
200-300	OmniClass Title	Louvre Dampers	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/05/2018	DD/MM/YYYY
400	Contract Number	DC/2006/16	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY

Architectural

Louver

LOD-I	Proposed Attribute Name	Example	Unit
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Example Image:



Elevation

Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Architectural

Window

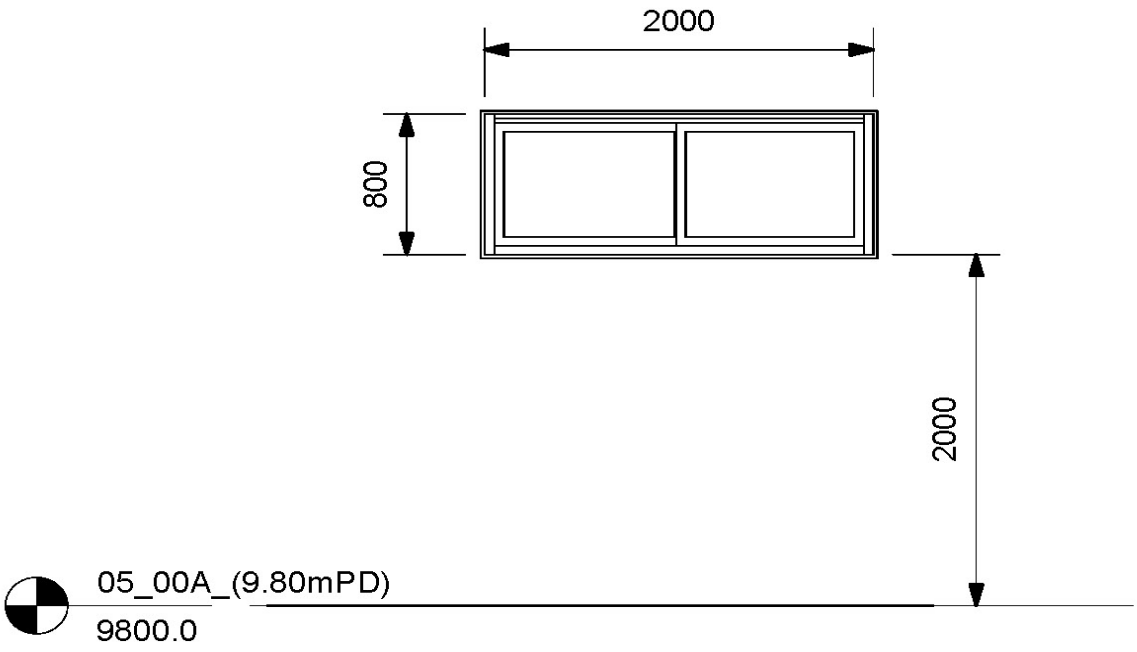
LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	AWD	NA
100	Mark	W1	NA
200-300	Asset Code	MOS108SPS-SPS-00A-TFR-___-AWD-___001	NA
200-300	Material	Glass	NA
200-300	Maintenance Agent	BCM	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Level	9.800	mPD
200-300	Frame Material	Aluminium	NA
200-300	Sill Height	2000	mm
200-300	Head Height	2800	mm
200-300	Space Room	Transformer Room	mPD
200-300	Width	2000	mm
200-300	Height	800	mm
200-300	OmniClass Code	23-17 13 00	NA
200-300	OmniClass Title	Windows	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/05/2018	DD/MM/YYYY
400	Contract Number	DC/2006/16	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY

Architectural

Window

LOD-I	Proposed Attribute Name	Example	Unit
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Example Image:



Elevation

Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Architectural

Handrailing

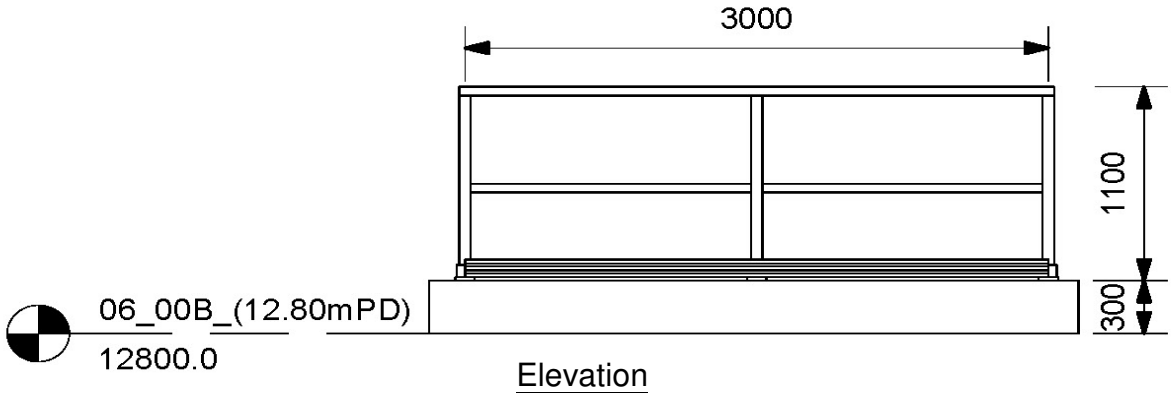
LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	ABA	NA
200-300	Asset Code	MOS108SPS-SPS-00A-___-A01-ABA-HRD001	NA
200-300	Material	Fibre Reinforced Plastic	NA
200-300	Maintenance Agent	BCM	NA
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Base Level	12.800	mPD
200-300	Base Offset	300	mm
200-300	Length	3000	mm
200-300	Height	1100	mm
200-300	Weight	1.27	Kg/m
200-300	OmniClass Code	23-17 25 13	NA
200-300	OmniClass Title	Handrails	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Commission Date	01/05/2018	DD/MM/YYYY
400	Contract Number	DC/2006/16	NA
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Handover Date	01/02/2019	DD/MM/YYYY
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA

Architectural

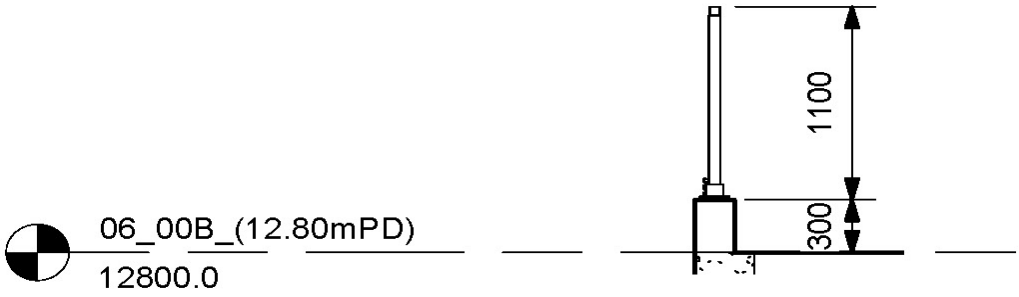
Handrailing

LOD-I	Proposed Attribute Name	Example	Unit
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Example Image:



Elevation



Section

Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Structural

Column

LOD-I	Proposed Attribute Name	Example	Unit
100	CAT Code	TCO	NA
200-300	Asset Code	MOS108SPS-SPS-00A-___-A01-TCO-_____	NA
200-300	Material	Concrete	NA
200-300	Base Level	9.800	mPD
200-300	Base Offset	0	mm
200-300	Width	500	mm
200-300	Concrete Cover	40	mm
200-300	Concrete Grade	30_20D	NA
200-300	Depth	4800	mm
200-300	Diameter	-	mm
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Maintenance Agent	BCM	NA
200-300	Reinforcement	T32	NA
200-300	Top Level	14.600	mPD
200-300	Top Offset	0	mm
200-300	Volume	1.200	m^3
200-300	Length	500	mm
200-300	OmniClass Code	23-13 35 11 13 11	NA
200-300	OmniClass Title	Columns	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Commission Date	01/05/2011	DD/MM/YYYY

Structural

Column

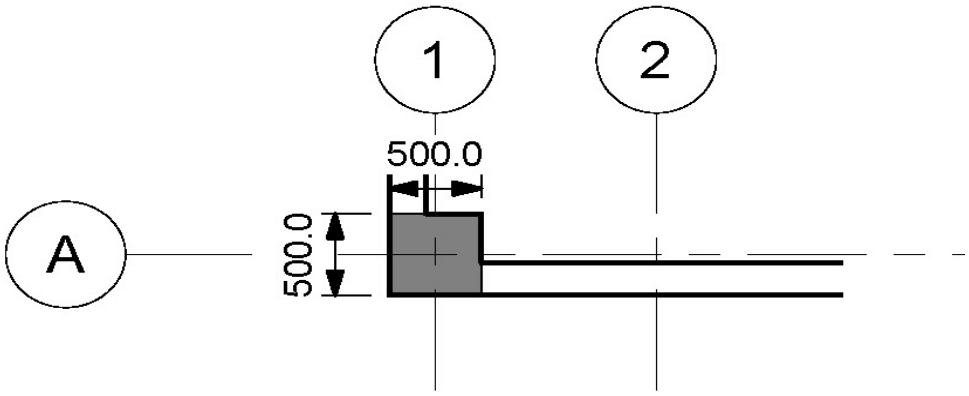
LOD-I	Proposed Attribute Name	Example	Unit
400	Installed Date	22/01/2007	DD/MM/YYYY
400	Completion Date	01/05/2011	DD/MM/YYYY
400	Contract Number	DC/2006/16	NA
400	Handover Date	01/05/2011	DD/MM/YYYY
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Structural

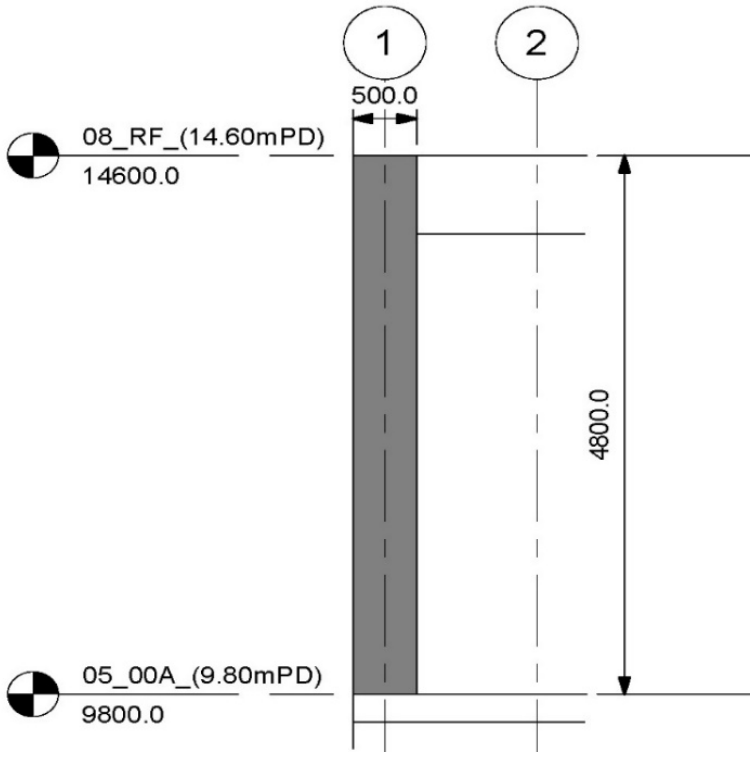
Column

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Plan



Section

Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Structural

Beam

LOD-I	Proposed Attribute Name	Example	Unit
100	Cat Code	TBS	NA
200-300	Asset Code	MOS108SPS-SPS-B1-___-C01C05-TBS-___001	NA
200-300	Material	Concrete	NA
200-300	Concrete Cover	40	mm
200-300	Concrete Grade	30_20D	NA
200-300	Depth	550	mm
200-300	End Level Offset	0	mm
200-300	Length	6650	mm
200-300	Level	4.300	mPD
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Maintenance Agent	BCM	NA
200-300	Reinforcement	T32_150	NA
200-300	Start Level Offset	0	mm
200-300	Volume	1.829	m^3
200-300	Width	500	mm
400	Commission Date	01/05/2011	DD/MM/YYYY
400	Installed Date	22/01/2007	DD/MM/YYYY
400	Completion Date	01/05/2011	DD/MM/YYYY
200-300	OmniClass Code	23-13 35 11 13 13	NA
200-300	OmniClass Title	Beams	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Structural

Beam

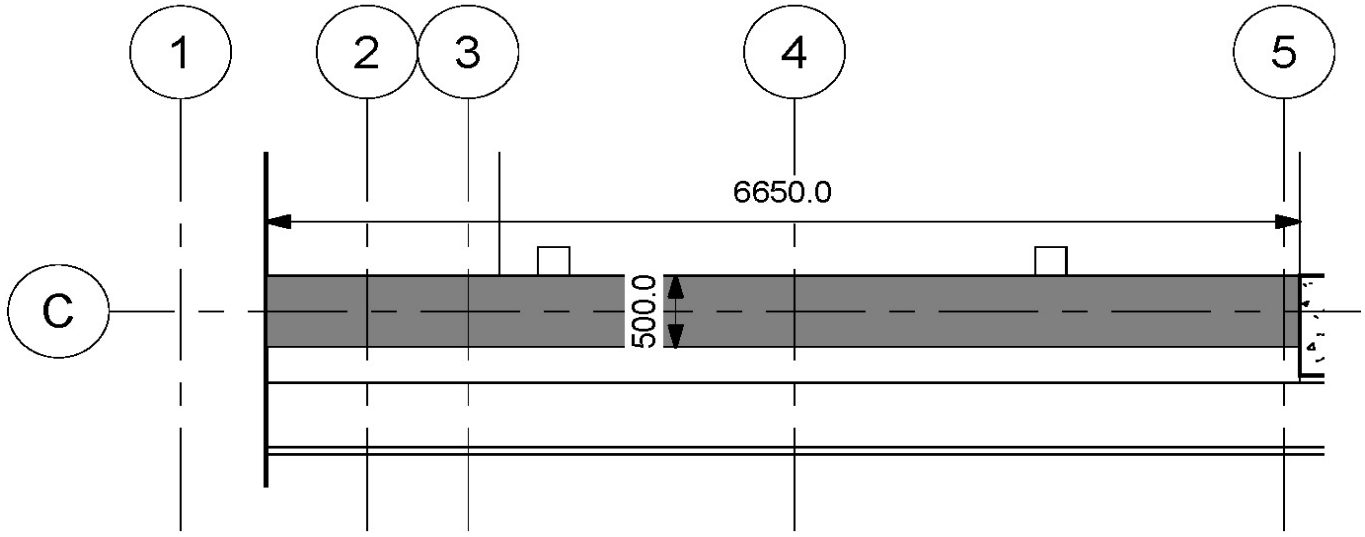
LOD-I	Proposed Attribute Name	Example	Unit
400	Contract Number	DC/2006/16	NA
400	Handover Date	01/05/2011	DD/MM/YYYY
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Structural

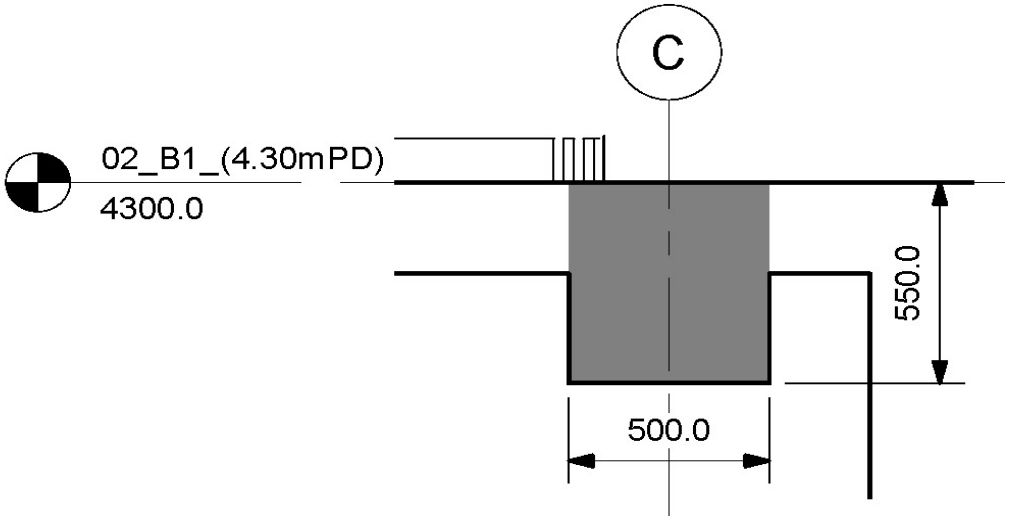
Beam

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Plan



Section

Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Structural

Slab

LOD-I	Proposed Attribute Name	Example	Unit
100	Cat Code	TLA	NA
200-300	Asset Code	MOS108SPS-SPS-RF-___-C01C06-TLA-___-___	NA
200-300	Material	Concrete	NA
200-300	Area	36.488	m^2
200-300	Color	-	NA
200-300	Concrete Cover	40	mm
200-300	Concrete Grade	30_20D	NA
200-300	Height Offset From Level	0	mm
200-300	Length	6950	mm
200-300	Level	14.600	mPD
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Maintenance Agent	BCM	NA
200-300	Reinforcement	T20_200_T20_200	NA
200-300	Space Room	-	NA
200-300	Thickness	250	mm
200-300	Volume	9.122	m^3
200-300	Width	5250	mm
200-300	OmniClass Code	23-11 21 19	NA
200-300	OmniClass Title	Pavement Slabs	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Commission Date	01/05/2011	DD/MM/YYYY

Structural

Slab

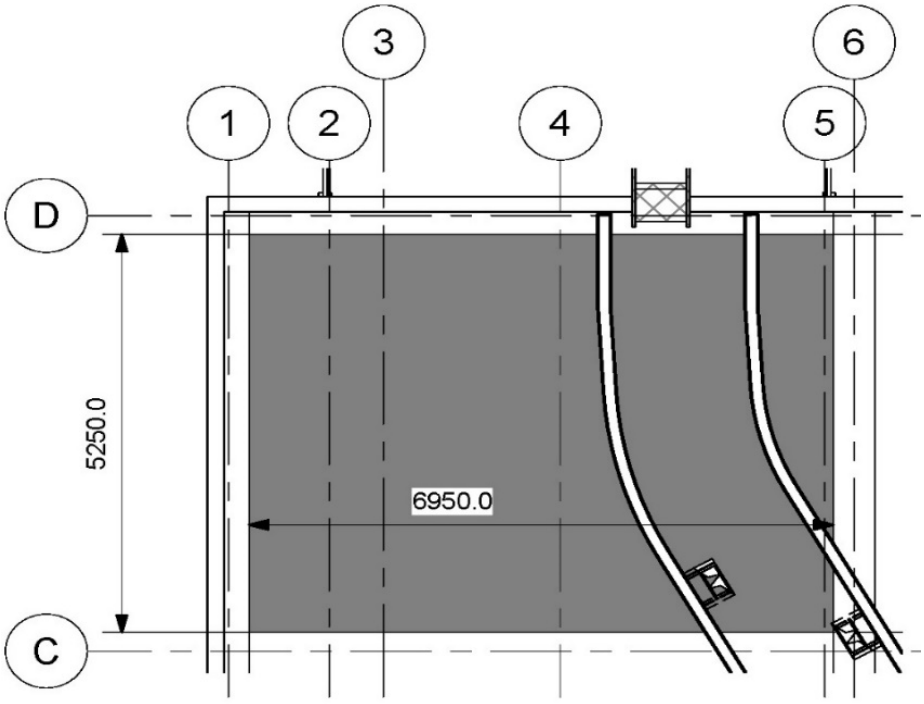
LOD-I	Proposed Attribute Name	Example	Unit
400	Installed Date	22/01/2007	DD/MM/YYYY
400	Completion Date	01/05/2011	DD/MM/YYYY
400	Contract Number	DC/2006/16	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Structural

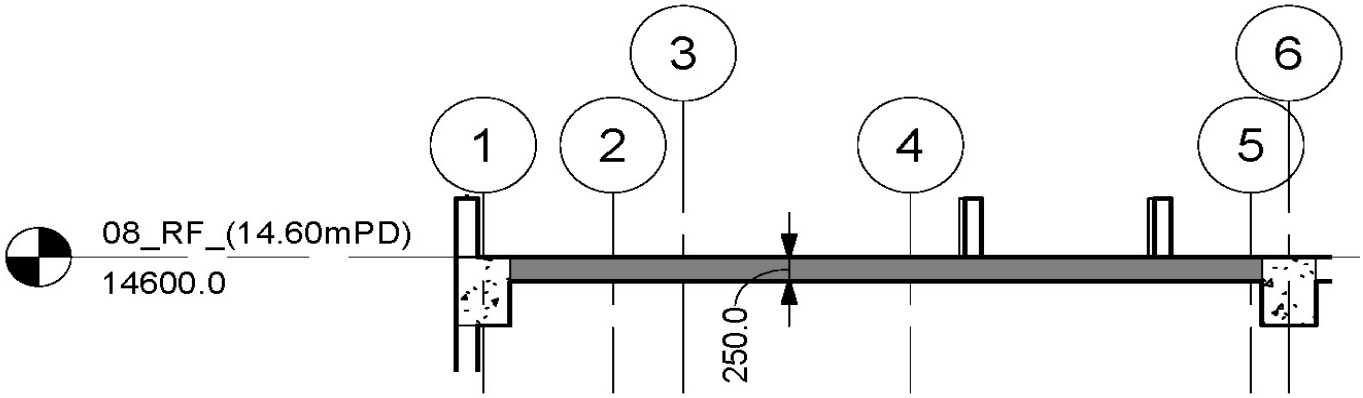
Slab

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Plan



Seciton

Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Structural

Wall

LOD-I	Proposed Attribute Name	Example	Unit
100	Cat Code	TWL	NA
200-300	Asset Code	MOS108SPS-SPS-00A-___-C01C09-TWL-_____	NA
200-300	Material	Concrete	NA
200-300	Area	56.990	m^2
200-300	Base Level	9.800	mPD
200-300	Base Offset	0.000	mPD
200-300	Color	-	NA
200-300	Concrete Cover	40	mm
200-300	Concrete Grade	30_20D	NA
200-300	Height	4100	mm
200-300	Length	6950	mm
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Maintenance Agent	BCM	NA
200-300	Reinforcement	T20_200_T20_200	NA
200-300	Space Room	-	NA
200-300	Thickness	200	mm
200-300	Top Level	14.600	mPD
200-300	Top Offset	-700	mm
200-300	Volume	11.398	m^3
200-300	OmniClass Code	23-13 35 21	NA
200-300	OmniClass Title	Structural Walls	NA

Structural

Wall

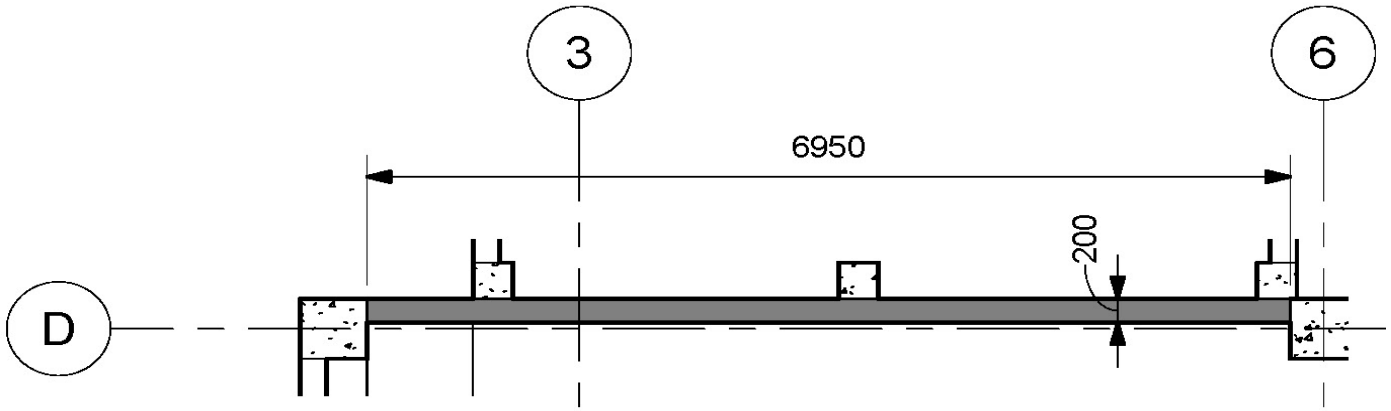
LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Commission Date	01/05/2011	DD/MM/YYYY
400	Installed Date	22/01/2007	DD/MM/YYYY
400	Completion Date	01/05/2011	DD/MM/YYYY
400	Contract Number	DC/2006/16	NA
400	Handover Date	01/05/2011	DD/MM/YYYY
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Structural

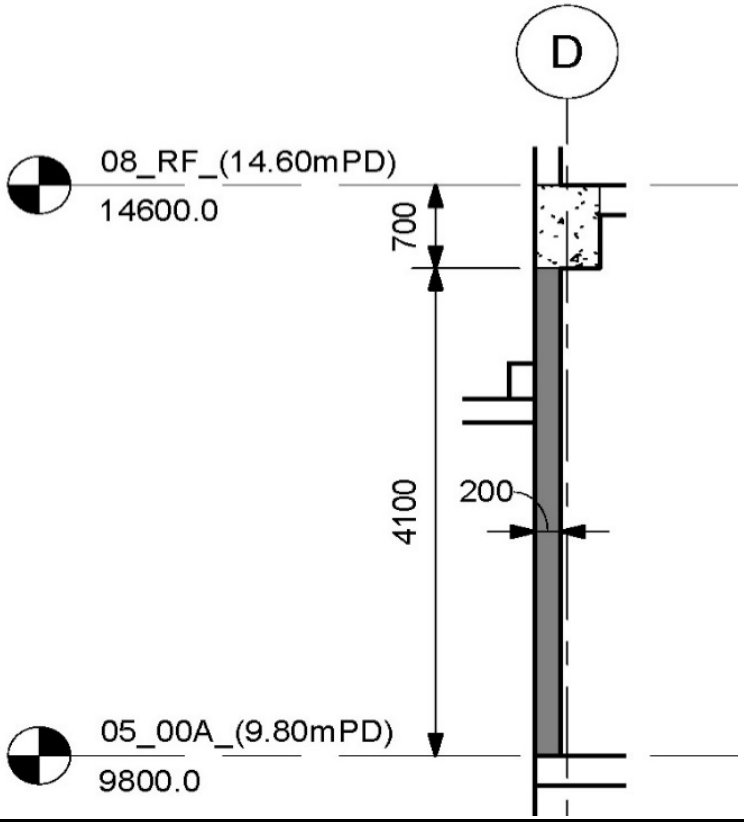
Wall

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Plan



Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Structural

Stair

LOD-I	Proposed Attribute Name	Example	Unit
100	Cat Code	TTE	NA
200-300	Asset Code	MOS108SPS-SPS-B1-___-___-TTE-___001	NA
200-300	Material	Concrete	NA
200-300	Base Level	4.300	mPD
200-300	Base Offset	0	mm
200-300	Concrete Cover	40	mm
200-300	Concrete Grade	30_20D	NA
200-300	Landing Length	1275	mm
200-300	Landing Level	7.90	mPD
200-300	Landing Thickness	300	mm
200-300	Link to Other Drawing	40002.dgn	NA
200-300	Maintenance Agent	BCM	NA
200-300	No of Risers	12	NA
200-300	Reinforcement	T20_200	NA
200-300	Riser Height	150	mm
200-300	Tread Depth	225	mm
200-300	Run Width	1000	mm
200-300	Space Room	-	NA
200-300	Top Level	7.900	mPD
200-300	Top Offset	0	mm
200-300	OmniClass Code	23-17 23 17	NA

Structural

Stair

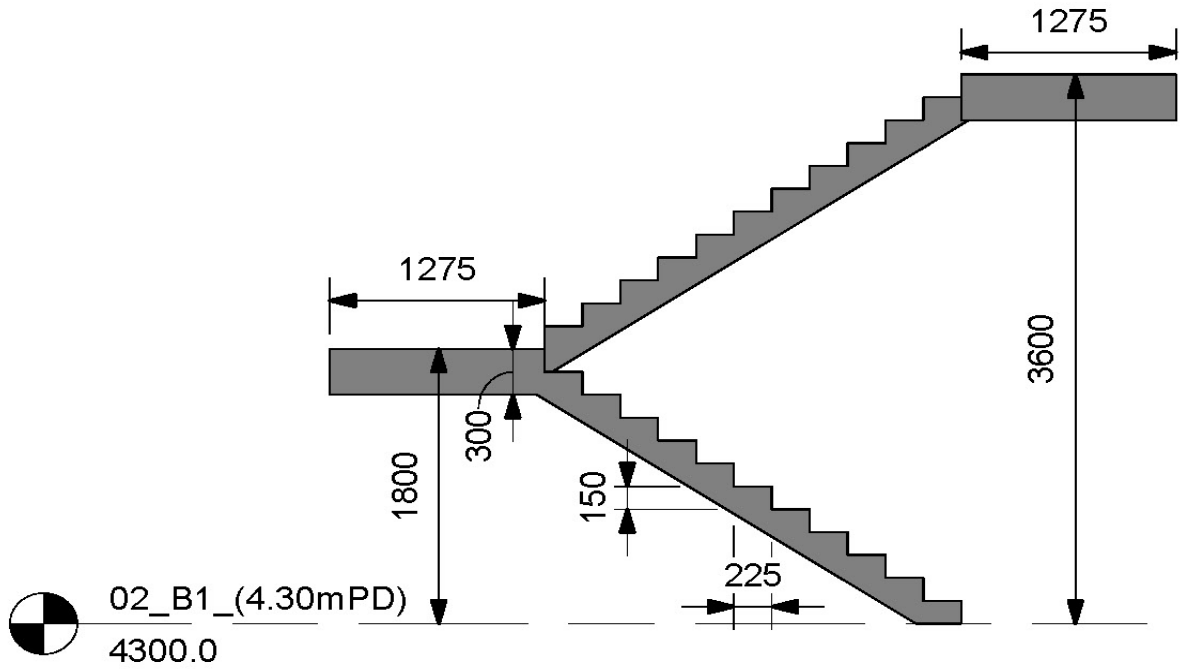
LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Title	Stairs	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Commission Date	01/01/2019	DD/MM/YYYY
400	Installed Date	01/05/2018	DD/MM/YYYY
400	Completion Date	30/12/2018	DD/MM/YYYY
400	Contract Number	DC/2006/09	NA
400	Handover Date	01/02/2019	DD/MM/YYYY
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(1)	NA

Structural

Stair

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Section

Remarks:

(1): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Mechanical

Penstock

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	MPE	NA
200-300	Equipment Name Chinese	機動閘掣	NA
200-300	Equipment Name English	Motorised Penstock	NA
200-300	Equipment Type	Penstock	NA
200-300	Asset Code	MOS108SPS-SPS-B2-WWL-PPS-MPE-MOT001	NA
200-300			
200-300	System Code	PPS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Cast Iron Grade 250	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+1.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	1462	mm
200-300	Length	825	mm
200-300	Width	238	mm
200-300	Dimension of Opening	600 x 600	mm
200-300	OmniClass Code	23-39 21 13 23	NA
200-300	OmniClass Title	Penstocks and Sluice Gate	NA

Mechanical

Penstock

LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Weight	268	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Jash Engineering Ltd	NA
400	Model	SUS 304	NA
400	Original Price Amount	60000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	India	NA
400	Serial Number	304-00021	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	15	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	150121	NA
400	File Number	259758	NA
400	Maintenance Usage Threshold	200 (2)	NA
400	Usage Unit	No. of Count (3)	NA
400	Wireless_Optical Tag ID	29873112	NA

Mechanical

Penstock

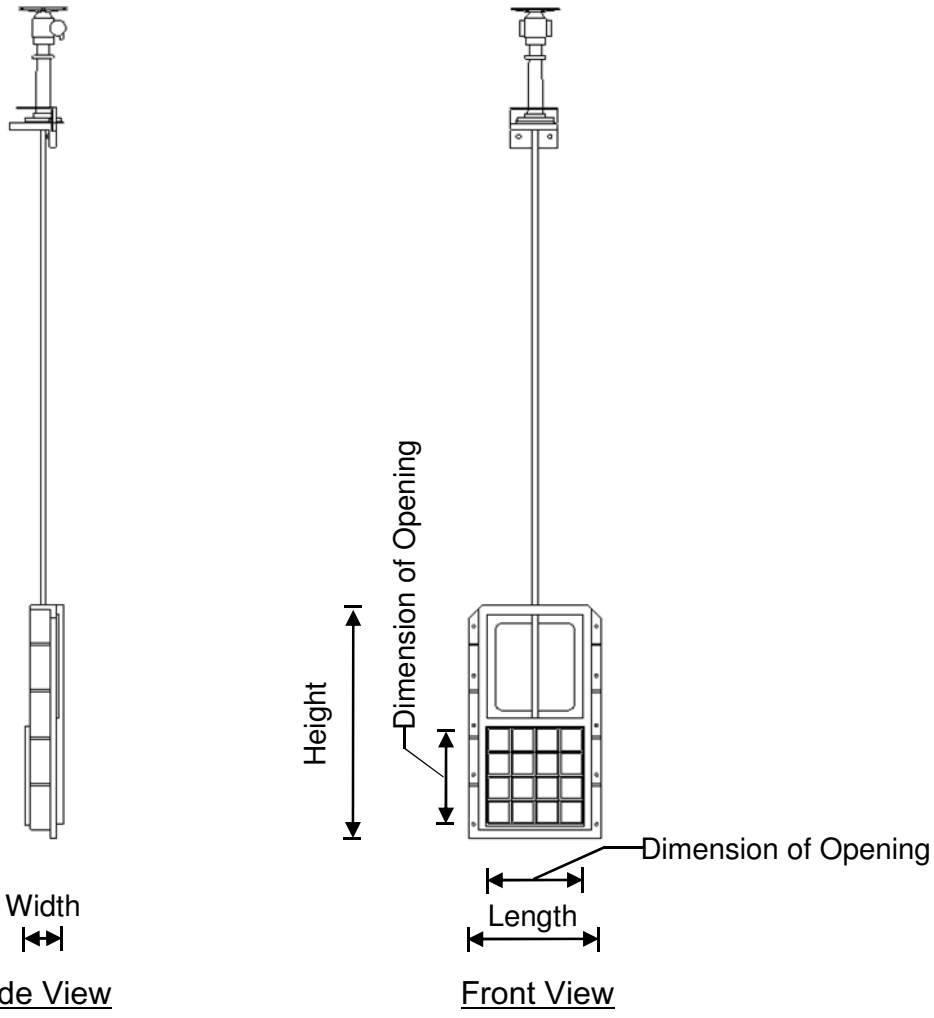
LOD-I	Proposed Attribute Name	Example	Unit
400	Wireless_Optical Zone Tag ID	29873568	NA
400	Criticality	Critical-no spare [4]	NA
400	Priority	High [5]	NA
400	Additional Spare Part Name	NA	NA
400	Door Nuts Material	Phosphor Bronze	NA
400	Fastners_Foundation Bolts and Nuts Material	Phosphor Bronze	NA
400	Flush Invert Retaining Bar Material	Cast Iron Grade 250	NA
400	Flush Invert Seal Material	Cast Iron Grade 250	NA
400	Frames_Doors_Guides_Stem Guides_Floor Pillar and Handweels Material	Cast Iron Grade 250	NA
400	On and Off Seat Head	5.29 / 5.29	m
400	Rising Stem Drive Sleeve Material	Stainless Steel Grade 316	NA
400	SCADA Tag Name	MP0001	NA
400	Seating Faces and Wedge Faces Material	Phosphor Bronze / Cast Iron Lined with Phosphor Bronze Faces	NA
400	Stems_Extension Stems Material	Stainless Steel Grade 316	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A [7]	NA

Mechanical

Penstock

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Remarks:

(1): Y or N
(2): Ceiling Running Hour or No. of Count
(3): Hour or No. of Count
(4): Critical-no spare, Primary, Critical-w/spare in store, Critical-w/spare installed, Non critical or Secondary
(5): Low, Medium, High or Critical
(6): Date should be in the format of dd/mm/yyyy
(7): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Mechanical

Pump

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	MPU	NA
200-300	Equipment Name Chinese	污水泵	NA
200-300	Equipment Name English	Sewage Pump	NA
200-300	Equipment Type	Pump	NA
200-300	Asset Code	MOS108SPS-SPS-B2-WWL-PPS-MPU-SEW001	NA
200-300	System Code	PPS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Cast Iron Grade 260	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+1.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	1040	mm
200-300	Length	1398	mm
200-300	Width	550	mm
200-300	Construction Type	Vertical (6)	NA
200-300	Application Media_Solid Handling Capacity	Sewage / 145 mm	NA

Mechanical

Pump

LOD-I	Proposed Attribute Name	Example	Unit
200-300	Dual Speed	High (7)	NA
200-300	Flow Rate	162	l/s
200-300	Head	33.7	m
200-300	No. of Stage	Single (8)	NA
200-300	Pump Casing Material	Cast Iron Grade 260	NA
200-300	Pump Impeller Material	Stainless Steel Grade 420	NA
200-300	Size	Medium (9)	NA
200-300	OmniClass Code	23-27 17 00	NA
200-300	OmniClass Title	Pumps	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Weight	580	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Hidrostal	NA
400	Model	H08K-H03R	NA
400	Original Price Amount	150000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Switzerland	NA
400	Serial Number	176937	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA

Mechanical

Pump

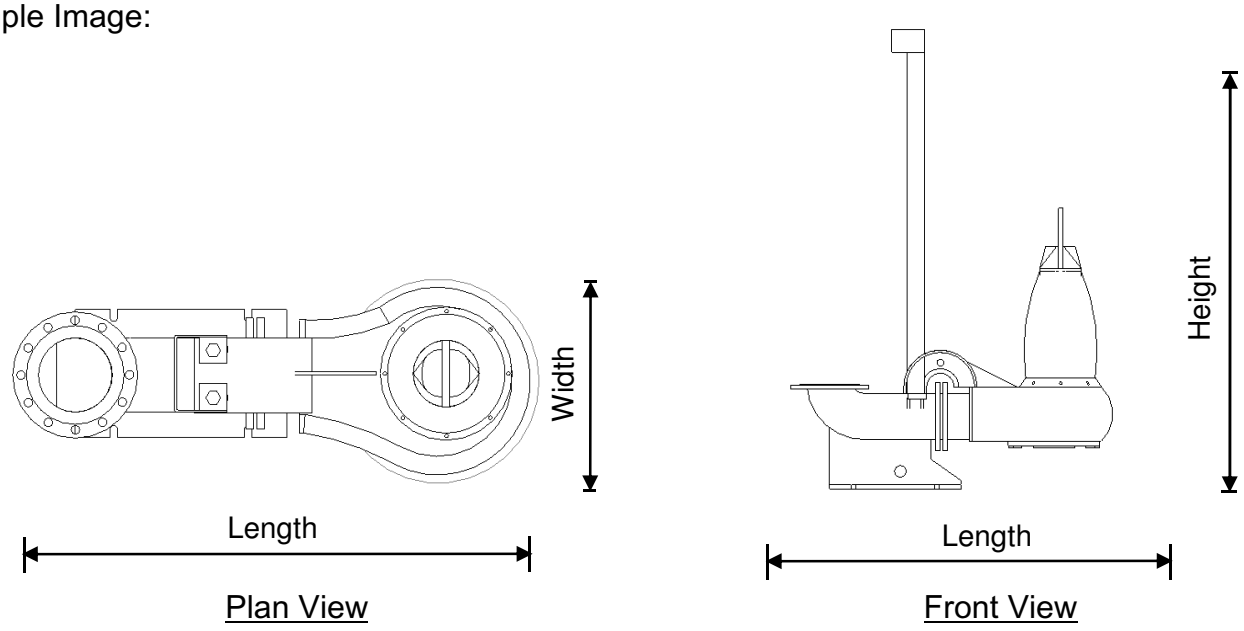
LOD-I	Proposed Attribute Name	Example	Unit
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	20	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	14273	NA
400	File Number	123456	NA
400	Maintenance Usage Threshold	4500 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	36971256	NA
400	Wireless_Optical Zone Tag ID	36971258	NA
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Additional Spare Part Name	Impeller Wear Ring	NA
400	Diameter	Impeller : 410 Inlet : 250 Discharge : 200	mm
400	Drive_Coupling Type	Direct Coupling (10)	NA
400	Engine Power	NA (11)	kW
400	Motor Rating	110	kW
400	Pump Speed	1485	RPM
400	SCADA Tag Name	SP0001	NA
400	Pump Curve	\\ServerName\O&M Manual\Pump\Hidrostal\H08K-H03R\PumpCurve.pdf	NA

Mechanical

Pump

LOD-I	Proposed Attribute Name	Example	Unit
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(13)	NA

Example Image:



Remarks:

(1): Y or N
(2): Ceiling Running Hour or No. of Count
(3): Hour or No. of Count
(4): Critical-no spare, Primary, Critical-w/spare in store, Critical-w/spare installed, Non critical or Secondary
(5): Low, Medium, High or Critical
(6): Vertical or Horizontal
(7): High or Low
(8): Single or Multi Stage
(9): Small, Medium or Large
(10): Direct Coupling or Universal Shaft
(11): Equipped with Diesel Engine Only
(12): Date should be in the format of dd/mm/yyyy
(13): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Mechanical

Screen

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	MSC	NA
200-300	Equipment Name Chinese	機械化柵篩	NA
200-300	Equipment Name English	Mechanised Bar Screen	NA
200-300	Equipment Type	Screen	NA
200-300	Asset Code	MOS108SPS-SPS-B1-ICB-SCS-MSC-MEB001	NA
200-300	System Code	SCS	NA
200-300	Is Parent Entity	Y (1)	NA
200-300	Material	Stainless Steel Grade 316	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+1.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	9485	mm
200-300	Length	800	mm
200-300	Width	800	mm
200-300	OmniClass Code	23-19 25 13 15	NA
200-300	OmniClass Title	Screens	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Mechanical

Screen

LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	1544	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Engineering & Manufacturing Ltd	NA
400	Model	E&M IBS	NA
400	Original Price Amount	150000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Germany	NA
400	Serial Number	E&M IBS 794/3090/5400/50	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	20	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	170121	NA
400	File Number	697421	NA
400	Maintenance Usage Threshold	200 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	45219877	NA
400	Wireless_Optical Zone Tag ID	45215679	NA

Mechanical

Screen

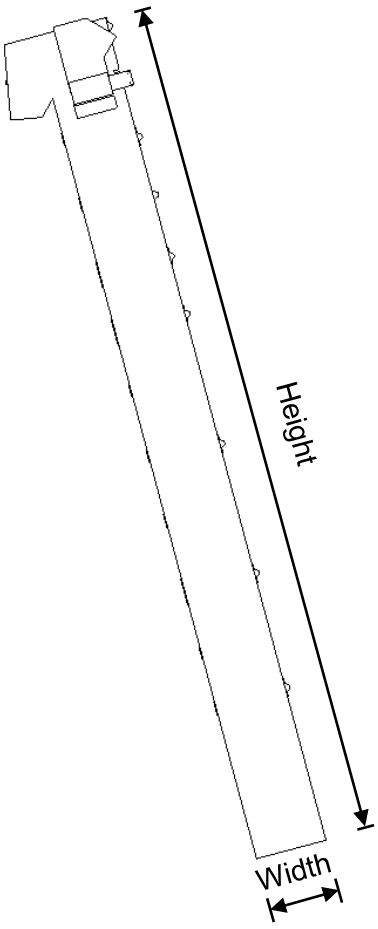
LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Additional Spare Part Name	Chain Set, Chain Link	NA
400	Bar Spacing	50	mm
400	Bar Thickness	12	mm
400	Head Loss Across Screen	0.32	mm
400	Inclination	75	degree
400	Material of Discharge Chute	Stainless Steel Grade 316	NA
400	Material of Rake	Stainless Steel Grade 316	NA
400	Material of Roller Chain	Stainless Steel Grade 316	NA
400	Material of Screen Bar	Stainless Steel Grade 316	NA
400	Material of Screen Framework	Stainless Steel Grade 316	NA
400	Material of Sprocket	Stainless Steel Grade 316	NA
400	Max. Capacity	0.5	l/s
400	Raking Frequency	Min. 5 times / minutes	NA
400	SCADA Tag Name	CS0001	NA
400	Screen Bar Cross-Sectional Dimension	6 x 50	mm
400	Thickness of the Plate for Chain	25	mm
400	Thickness of the Tooth for Rakes	70	mm
400	Velocity Across Screen	0.21	m/s
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA

Mechanical

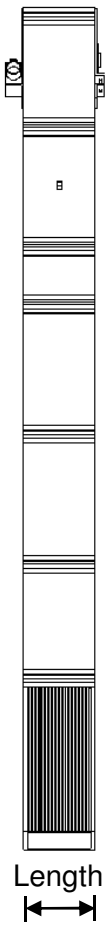
Screen

LOD-I	Proposed Attribute Name	Example	Unit
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(7)	NA

Example Image:



Side View



Front View

Remarks:

(1): Y or N

(2): Ceiling Running Hour or No. of Count

(3): Hour or No. of Count

(4): Critical-no spare, Primary, Critical-w/spare in store, Critical-w/spare installed, Non critical or Secondary

(5): Low, Medium, High or Critical

(6): Date should be in the format of dd/mm/yyyy

(7): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Mechanical

Valve

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	MVA	NA
200-300	Equipment Name Chinese	閘門閥	NA
200-300	Equipment Name English	Gate Valve	NA
200-300	Equipment Type	Valve	NA
200-300	Asset Code	MOS108SPS-SPS-B01-VCB-PPS-MVA-MOT001	NA
200-300	System Code	PPS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Cast Iron Grade 220	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+1.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	1130	mm
200-300	Length	400	mm
200-300	Width	340	mm
200-300	Body Material	Cast Iron Grade 220	NA
200-300	Connection Type	Bolt (6)	NA
200-300	Diameter	200	mm

Mechanical

Valve

LOD-I	Proposed Attribute Name	Example	Unit
200-300	Drive Style	NA	NA
200-300	Medium	NA	NA
200-300	Size	Medium (7)	NA
200-300	Standard	BS 5150 : 1990	NA
200-300	Stem Material	Stainless Steel Grade 431	NA
200-300	OmniClass Code	23-27 31 00	NA
200-300	OmniClass Title	Valves	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Weight	154	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	AEP	NA
400	Model	Rising Stem Type B	NA
400	Original Price Amount	5000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Malaysia	NA
400	Serial Number	RS1025-200B	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	15	year

Mechanical

Valve

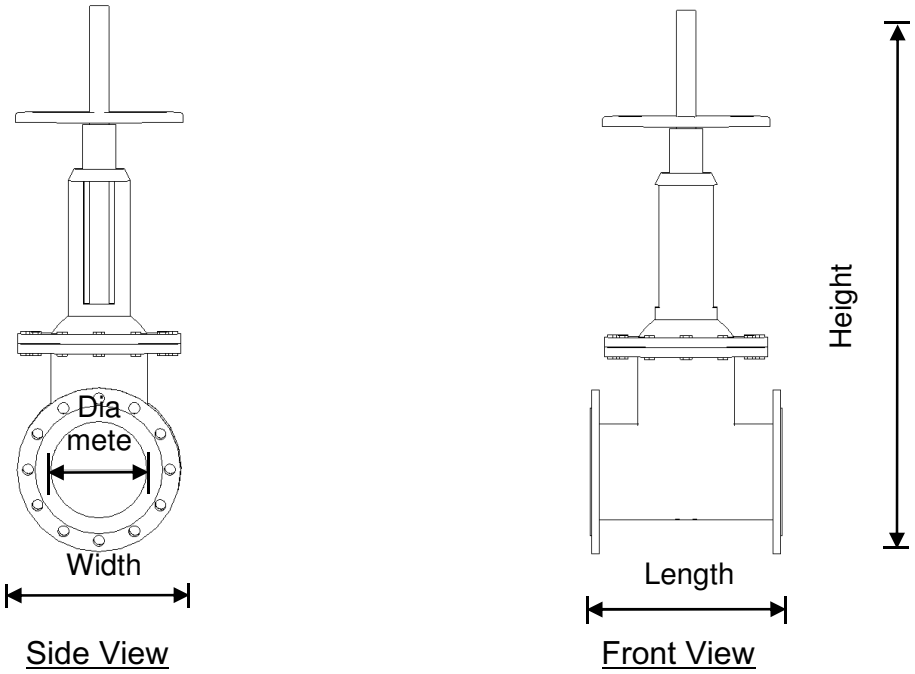
LOD-I	Proposed Attribute Name	Example	Unit
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	18013	NA
400	File Number	123456	NA
400	Maintenance Usage Threshold	200 (2)	NA
400	Usage Unit	No. of count (3)	NA
400	Wireless_Optical Tag ID	22261256	NA
400	Wireless_Optical Zone Tag ID	22612589	NA
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Additional Spare Part Name	NA	NA
400	Anticorrosive Type	NA	NA
400	Body Rubberlined	N (1)	NA
400	Class or Thickness	3	mm
400	Disc Wedge Rubberlined	Y (1)	NA
400	Operation Mode	Active (8)	NA
400	Pressure Rating	10	bar
400	Protect Layer Material	NA	NA
400	Protect Thickness	3	mm
400	Test Pressure	15	bar
400	Valve Position Indicator	NA	NA
400	Working Pressure	6	bar

Mechanical

Valve

LOD-I	Proposed Attribute Name	Example	Unit
400	SCADA Tag Name	GV0001	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(10)	NA

Example Image:



Remarks:

(1): Y or N
(2): Ceiling Running Hour or No. of Count
(3): Hour or No. of Count
(4): Critical-no spare, Primary, Critical-w/spare in store, Critical-w/spare installed, Non critical or Secondary
(5): Low, Medium, High or Critical
(6): Weld or Bolt
(7): Small, Medium or Large
(8): Active or Inactive
(9): Date should be in the format of dd/mm/yyyy
(10): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Mechanical

Air Blower

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	MAB	NA
200-300	Equipment Name Chinese	吹風機	NA
200-300	Equipment Name English	Air Blower	NA
200-300	Equipment Type	Air Blower	NA
200-300	Asset Code	MOS108SPS-SPS-B1-ABR-ABS-MAB-___001	NA
200-300	System Code	ABS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Steel	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+1.4	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	1207	mm
200-300	Length	1150	mm
200-300	Width	1155	mm
200-300	OmniClass Code	23- 33 31 13	NA
200-300	OmniClass Title	Blowers	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Mechanical

Air Blower

LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	500	kg
400	Brand Name	XAZ Brand	NA
400	Manufacturer Contact	2134 5678	NA
400	Manufacturer Name	DDF	NA
400	Model	Type A	NA
400	Original Price Amount	2000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	China	NA
400	Serial Number	AB1115-200A	NA
400	Supplier Contact	1224 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	10	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	17951	NA
400	File Number	24689	NA
400	Maintenance Usage Threshold	200 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	24568041	NA
400	Wireless_Optical Zone Tag ID	24568043	NA

Mechanical

Air Blower

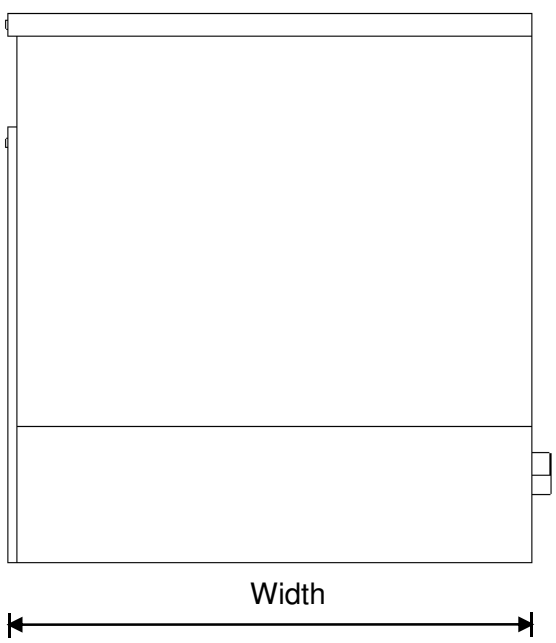
LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Additional Spare Part Name	NA	NA
400	Lubrication Oil Cooling Method	NA	NA
400	Minimum Air Intake	40	m3/min
400	Motor Rating	70	kW
400	Nominal Speed	500	rpm
400	Rated Air Intake	60	m3/min
400	SCADA Tag Name	AB0001	NA
400	Total Outlet Pressure	100	kPa
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(6)	NA

Mechanical

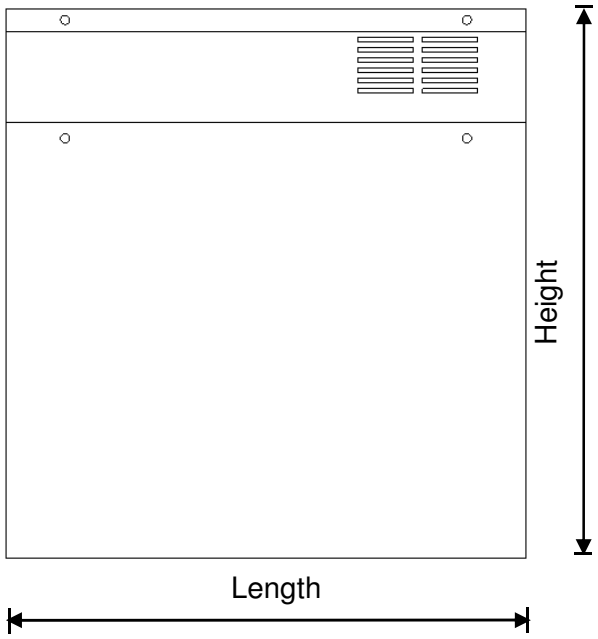
Air Blower

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Side View



Front View

Remarks:

(1): Y or N
(2): Ceiling Running Hour or No. of Count
(3): Hour or No. of Count
(4): Critical-no spare, Primary, Critical-w/spare in store, Critical-w/spare installed, Non critical or Secondary
(5): Low, Medium, High or Critical
(6): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Mechanical

Air Compressor

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	MAC	NA
200-300	Equipment Name Chinese	空氣壓縮機	NA
200-300	Equipment Name English	Air Compressor	NA
200-300	Equipment Type	Air Compressor	NA
200-300	Asset Code	MOS108SPS-SPS-B1-ABR-CAS-MAC-___001	NA
200-300	System Code	CAS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Steel	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+1.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	800	mm
200-300	Length	540	mm
200-300	Width	600	mm
200-300	OmniClass Code	23-27 21 00	NA
200-300	OmniClass Title	Compressors	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Mechanical

Air Compressor

LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	110	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	DEF	NA
400	Model	Type B	NA
400	Original Price Amount	7000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Malaysia	NA
400	Serial Number	AC1015-300A	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	10	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	17860	NA
400	File Number	24689	NA
400	Maintenance Usage Threshold	2000 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	22821234	NA
400	Wireless_Optical Zone Tag ID	22821236	NA

Mechanical

Air Compressor

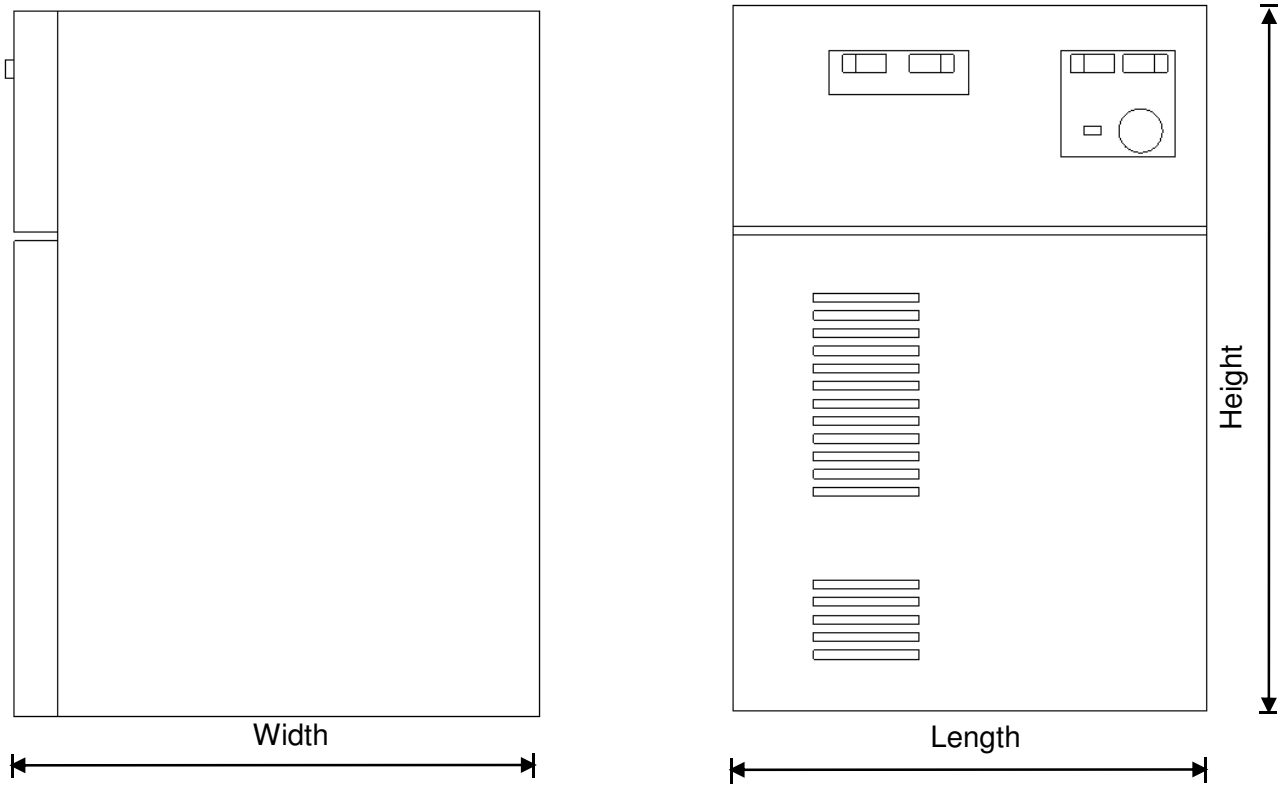
LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare [4]	NA
400	Priority	High [5]	NA
400	Additional Spare Part Name	NA	NA
400	Air Receiver Capacity	5	m3
400	Free Air Delivery	20	m3/min
400	Maximum Noise Level	70	dBA
400	Maximum Working Pressure	10	kPa
400	Motor Power	10	kW
400	SCADA Tag Name	AC0001	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A [6]	NA

Mechanical

Air Compressor

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Side View Front View

Remarks:

(1): Y or N
(2): Ceiling Running Hour or No. of Count
(3): Hour or No. of Count
(4): Critical-no spare, Primary, Critical-w/spare in store, Critical-w/spare installed, Non critical or Secondary
(5): Low, Medium, High or Critical
(6): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Mechanical

Boiler

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	MBO	NA
200-300	Equipment Name Chinese	鍋爐	NA
200-300	Equipment Name English	Boiler	NA
200-300	Equipment Type	Boiler	NA
200-300	Asset Code	MOS108SPS-SPS-B1-PUR-BLS-MBO-___001	NA
200-300	System Code	BLS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Steel	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+2.2	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	1016	mm
200-300	Length	1854	mm
200-300	Width	914	mm
200-300	OmniClass Code	23-33 11 00	NA
200-300	OmniClass Title	Commercial Boilers	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Mechanical

Boiler

LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	200	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	FAD	NA
400	Model	Type X	NA
400	Original Price Amount	20000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Malaysia	NA
400	Serial Number	BO1015-300A	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	10	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	45860	NA
400	File Number	24899	NA
400	Maintenance Usage Threshold	2000 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	24621248	NA
400	Wireless_Optical Zone Tag ID	24621246	NA

Mechanical

Boiler

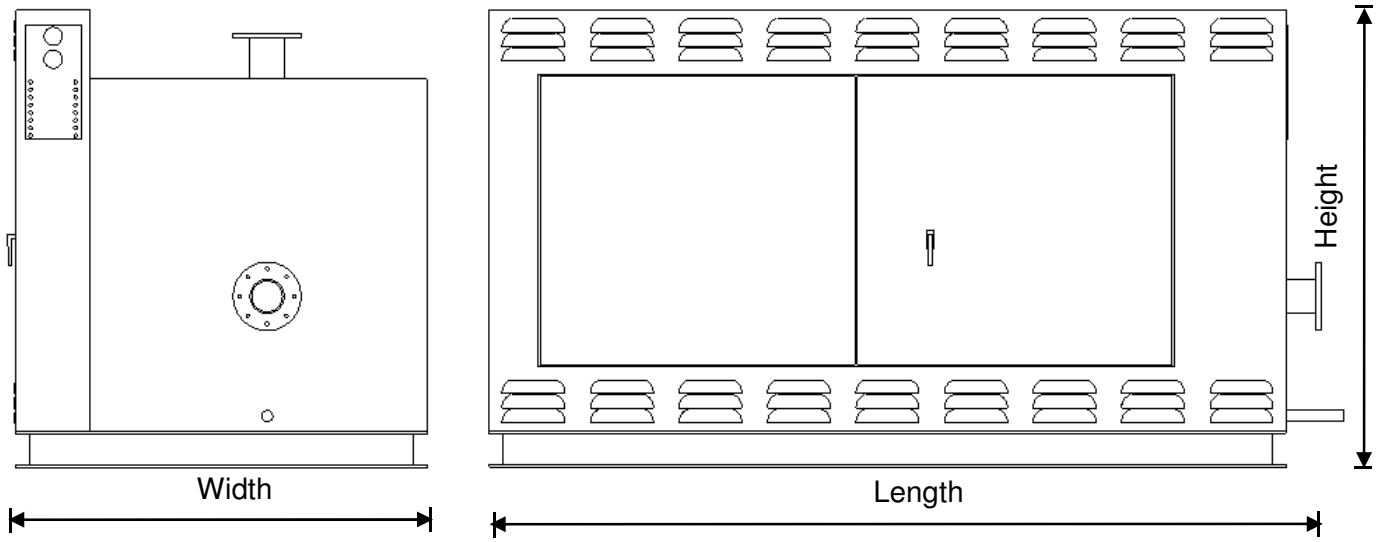
LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare [4]	NA
400	Priority	High [5]	NA
400	Additional Spare Part Name	NA	NA
400	SCADA Tag Name	BO0001	NA
400	Heating Capacity	1000	kW
400	Operating Pressure	7	bar
400	Hot Water Temperature at Boiler Outlet	95	ºC
400	Return Water Temperature at Boiler Outlet	70	ºC
400	Water Flow Rate	0.2	l/s
400	Hydraulic Testing Pressure	10	bar
400	Pressure of Infeed Water Required	3	bar
400	Overall Efficiency	95	%
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A [6]	NA

Mechanical

Boiler

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Side View Front View

Remarks:

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Mechanical

Lifting Appliance

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	MLA	NA
200-300	Equipment Name Chinese	電動起重吊鏈	NA
200-300	Equipment Name English	Electric Chain Hoist	NA
200-300	Equipment Type	Lifting Appliance	NA
200-300	Asset Code	MOS108SPS-SPS-00F-SCR-LSS-MLA-ECH001	NA
200-300	System Code	LSS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Stainless Steel Grade 316	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+3.3	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	633	mm
200-300	Length	500	mm
200-300	Width	400	mm
200-300	OmniClass Code	23-23 13 00	NA
200-300	OmniClass Title	Lifting Equipment	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Mechanical

Lifting Appliance

LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	10	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Hitachi	NA
400	Model	S series	NA
400	Original Price Amount	20000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Japan	NA
400	Serial Number	2SH-513	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	10	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	45540	`
400	File Number	44564	NA
400	Maintenance Usage Threshold	2000 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	28460610	NA
400	Wireless_Optical Zone Tag ID	28460612	NA

Mechanical

Lifting Appliance

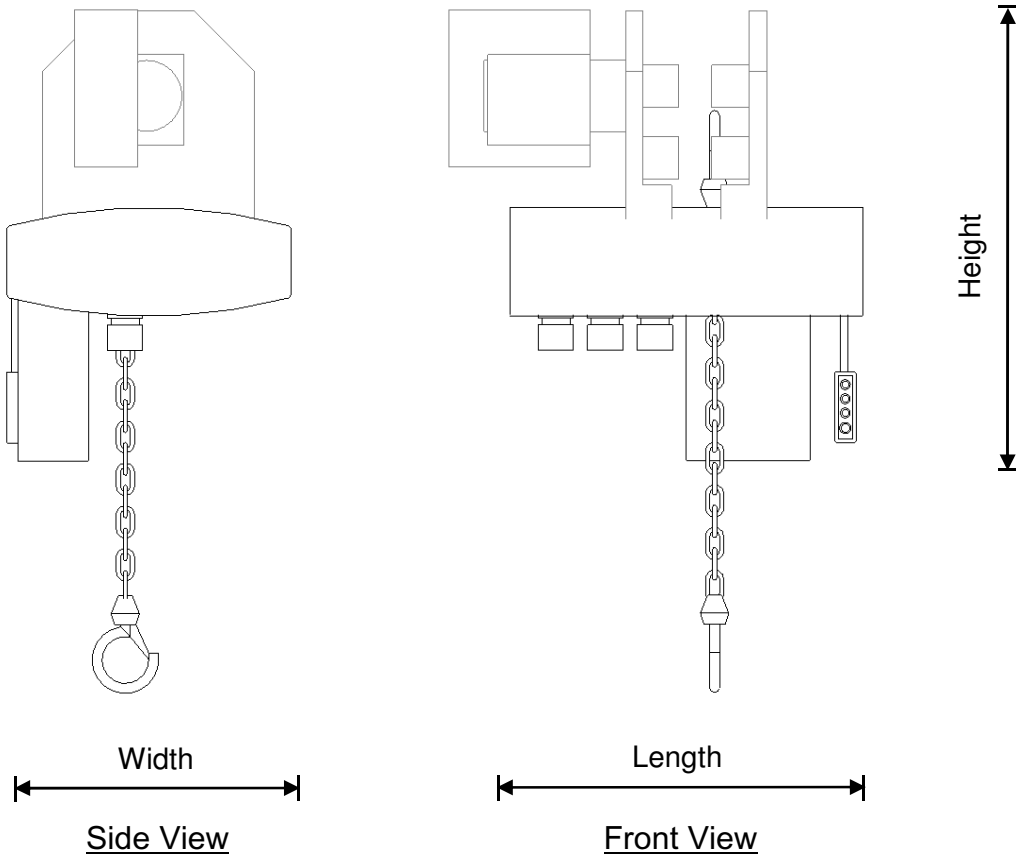
LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare [4]	NA
400	Priority	High [5]	NA
400	Additional Spare Part Name	NA	NA
400	Motor Rating	10	kW
400	Safe Working Load	500	Kg
400	SCADA Tag Name	LA0001	NA
400	Total Lift for Hoist	10	m
400	Traveling Speed	7.2	m/min
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A [6]	NA

Mechanical

Lifting Appliance

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



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Electrical

Actuator

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	EAC	NA
200-300	Equipment Name Chinese	電動致動器	NA
200-300	Equipment Name English	Electric Actuator	NA
200-300	Equipment Type	Actuator	NA
200-300	Asset Code	MOS108SPS-SPS-00F-SCR-PPS-EAC-___001	NA
200-300	System Code	PPS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Cast Aluminium	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+2.30	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	350	mm
200-300	Length	420	mm
200-300	Width	550	mm
200-300	OmniClass Code	23-27 33 11	NA
200-300	OmniClass Title	Electrical Valve Actuators	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Electrical

Actuator

LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	120	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Rotork	NA
400	Model	IQ12	NA
400	Original Price Amount	12000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	UK	NA
400	Serial Number	IQ12-253-012	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	5	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	160121	NA
400	File Number	156785	NA
400	Maintenance Usage Threshold	4500 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	23654123	NA
400	Wireless_Optical Zone Tag ID	23654268	NA

Electrical

Actuator

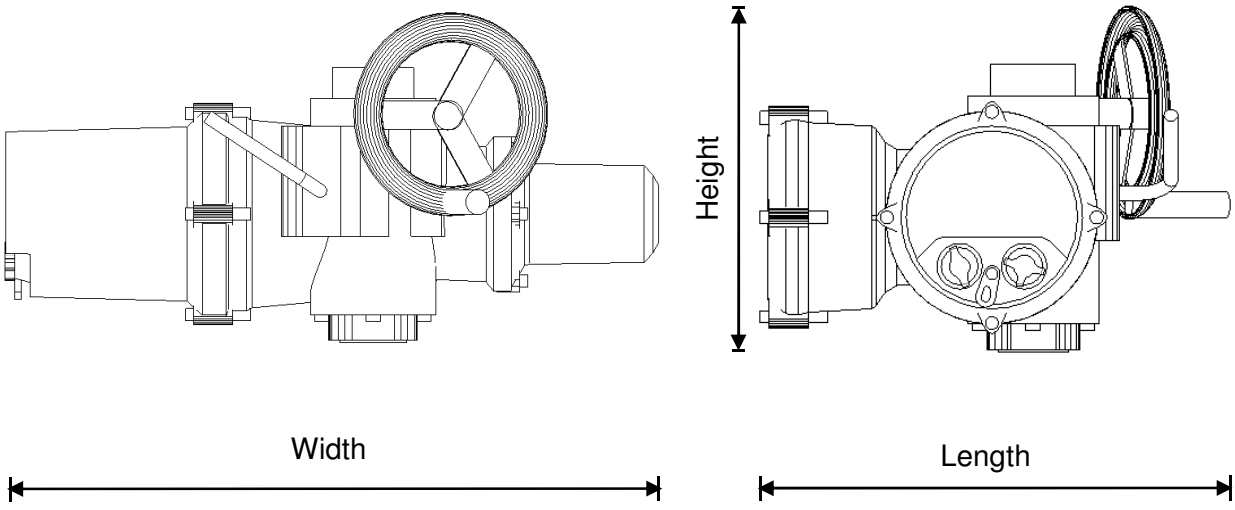
LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare [4]	NA
400	Priority	High [5]	NA
400	Additional Spare Part Name	NA	NA
400	Direct On Line Current	1.2	A
400	Duty Cycle	NA	NA
400	Full Load Current	0.3	A
400	IP Rating	IP65	NA
400	Motor Power	0.21	kW
400	Network Interface Type	Profibus DP	NA
400	SCADA Tag Name	EA0001	NA
400	Stalled Torque	163	Nm
400	Three Phase AC or Single Phase AC or Direct Current	Single Phase AC	NA
400	Time To Fully Close or Open Penstock	141 / 141	NA
400	Torque Range	0 - 68	Nm
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A [7]	NA

Electrical

Actuator

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Side View Front View

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(3): Hour or No. of Count
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(5): Low, Medium, High or Critical
(6): Date should be in the format of dd/mm/yyyy
(7): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Electrical

Generator

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	EGE	NA
200-300	Equipment Name Chinese	柴油發電機	NA
200-300	Equipment Name English	Diesel Generator	NA
200-300	Equipment Type	Generator	NA
200-300	Asset Code	MOS108SPS-SPS-00F-GER-PGS-EGE-DIE001	NA
200-300	System Code	PGS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Metal	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+3.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	2230	mm
200-300	Length	5100	mm
200-300	Width	2000	mm
200-300	OmniClass Code	23-35 11 00	NA
200-300	OmniClass Title	Electrical Generators	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Electrical

Generator

LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	9100	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Cummins	NA
400	Model	6CT8.362	NA
400	Original Price Amount	300000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	China	NA
400	Serial Number	6CT8-123-45-001	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	25	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	160256	NA
400	File Number	1523475	NA
400	Maintenance Usage Threshold	4500 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	36971423	NA
400	Wireless_Optical Zone Tag ID	36973647	NA

Electrical

Generator

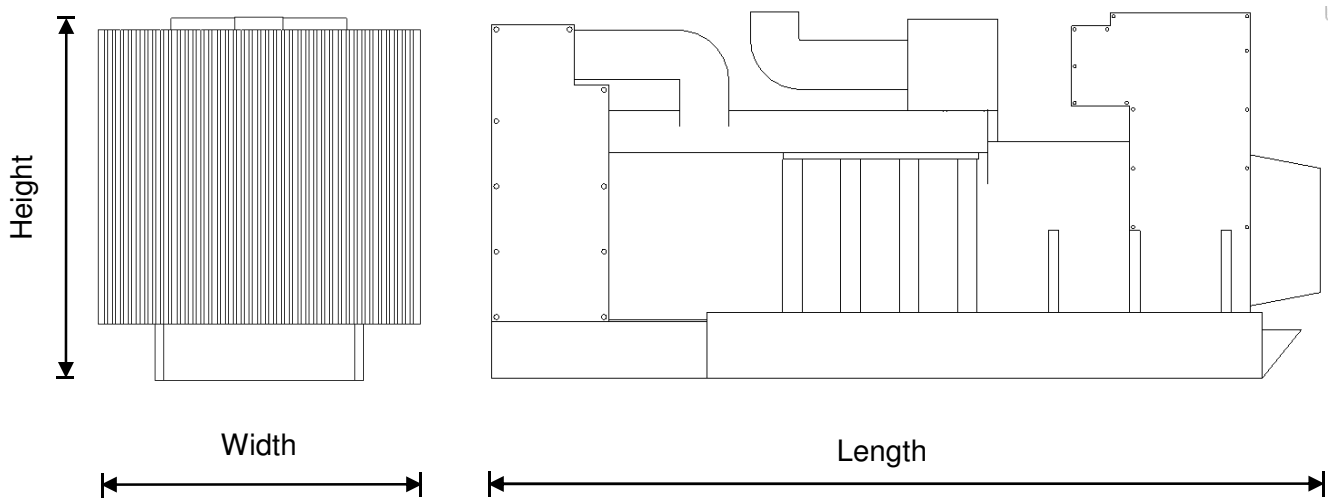
LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Additional Spare Part Name	NA	NA
400	Alternator Efficiency	95	%
400	Alternator Rating	140	kVA
400	Battery Starting Voltage	12	V
400	Engine Fuel Consumption at Full Load	32	l/h
400	Engine Continuous Brake Power Rating	125	kW
400	Engine Efficiency	95	%
400	Frequency	50	Hz
400	Maximum Voltage Dip	4	V
400	Net Continuous Rating	156	kVA
400	Noise Level at 1m from Source	65	dBA
400	Rated Voltage	380	V
400	SCADA Tag Name	DG0001	NA
400	Type of Cooling System	Air	NA
400	Type of Noise Attenuation System	NA	NA
400	Volume of Fuel Service Tank	150	l
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA

Electrical

Generator

LOD-I	Proposed Attribute Name	Example	Unit
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(7)	NA

Example Image:



Side View Front View

Remarks:

(1): Y or N
(2): Ceiling Running Hour or No. of Count
(3): Hour or No. of Count
(4): Critical-no spare, Primary, Critical-w/spare in store, Critical-w/spare installed, Non critical or Secondary
(5): Low, Medium, High or Critical
(6): Date should be in the format of dd/mm/yyyy
(7): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Electrical

Switchboard

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	ESB	NA
200-300	Equipment Name Chinese	低壓掣櫃	NA
200-300	Equipment Name English	LV Switchboard	NA
200-300	Equipment Type	Switchboard	NA
200-300	Asset Code	MOS108SPS-SPS-00F-SWR-PDS-ESB-LV_001	NA
200-300	System Code	PDS	NA
200-300	Is Parent Entity	Y (1)	NA
200-300	Material	Galvanized Steel	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+3.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	2400	mm
200-300	Length	3730	mm
200-300	Width	1100	mm
200-300	Application	Indoor	NA
200-300	Arrangement of Incoming Supply	Dual Feed (6)	NA
200-300	Bottom Level	+3.20	mPD

Electrical

Switchboard

LOD-I	Proposed Attribute Name	Example	Unit
200-300	Construction Form	Form 4	NA
200-300	HV or LV Type	LV (7)	NA
200-300	IP Rating	IP44	NA
200-300	Mounting Method	Floor Mounted	NA
200-300	No. of Poles	4	NA
200-300	Power Rating	2500	A
200-300	Rated Current	1600 (8)	A
200-300	Rated Insulation Voltage	1000	V
200-300	Rated Voltage	660	V
200-300	Short Circuit Making Current	50	kA/s
200-300	Short Time Current - 1 sec.	50	kA/s
200-300	Test Standard	BSEN60439-1999	NA
200-300	OmniClass Code	23-35 31 29	NA
200-300	OmniClass Title	Switchboards	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Weight	4500	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Viking & Ellison Ltd	NA
400	Model	NW25HA	NA
400	Original Price Amount	90000	NA
400	Original Price Amount Currency	HKD	NA

Electrical

Switchboard

LOD-I	Proposed Attribute Name	Example	Unit
400	Place of Origin	HK	NA
400	Serial Number	NW25HA-2500-001	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	25	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	12387	NA
400	File Number	123864	NA
400	Maintenance Usage Threshold	10000 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	35638402	NA
400	Wireless_Optical Zone Tag ID	35638879	NA
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Busbar Cross-Section Area	101.6 x 6.35	mm^2
400	Date of Last Periodic Inspection_Testing and Certification	01/12/2012	NA
400	Distribution Number	123546	NA
400	Distribution Signal	NA	NA

Electrical

Switchboard

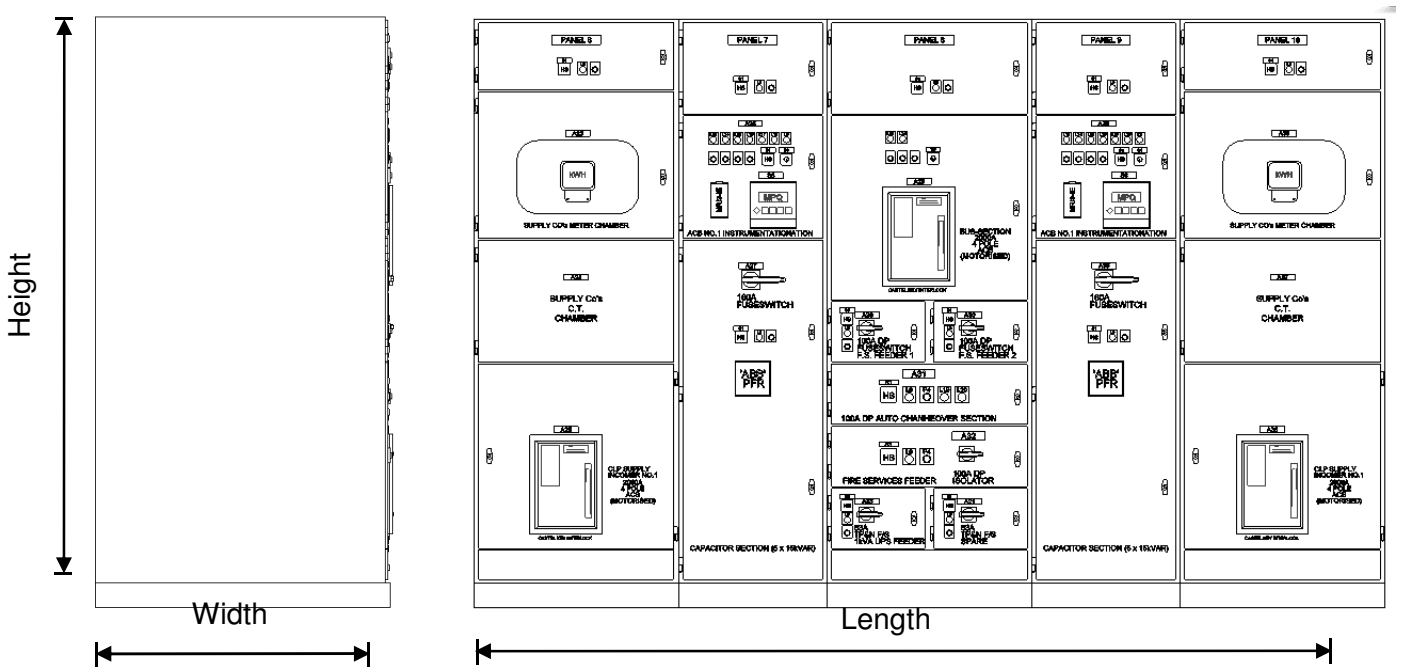
LOD-I	Proposed Attribute Name	Example	Unit
400	Interface Dimension	540	mm
400	Lay Type	NA	NA
400	Loop Number	NA	NA
400	Operation Mode	Active [9]	NA
400	Utilization Category	AC-23	NA
400	SCADA Tag Name	SB0001	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A[11]	NA

Electrical

Switchboard

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Side View Front View

Remarks:

(1): Y or N

(2): Ceiling Running Hour or No. of Count

(3): Hour or No. of Count

(4): Critical-no spare, Primary, Critical-w/spare in store, Critical-w/spare installed, Non critical or Secondary

(5): Low, Medium, High or Critical

(6): Single or Dual Feed

(7): HV or LV

(8): Busbar Current

(9): Active or Inactive

(10): Date should be in the format of dd/mm/yyyy

(11): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Electrical

Transformer

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	ETR	NA
200-300	Equipment Name Chinese	低壓變壓器	NA
200-300	Equipment Name English	LV Transformer	NA
200-300	Equipment Type	Transformer	NA
200-300	Asset Code	MOS108SPS-SPS-00F-TFR-PDS-ETR-LV_001	NA
200-300	System Code	PDS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Copper	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+3.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	510	mm
200-300	Length	580	mm
200-300	Width	450	mm
200-300	IP Rating	IP44	NA
200-300	OmniClass Code	23-35 13 00	NA
200-300	OmniClass Title	Transformers	NA

Electrical

Transformer

LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Weight	260	kg
400	Brand Name	YXX Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Schneider Electric	NA
400	Model	TX4501	NA
400	Original Price Amount	100000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	HK	NA
400	Serial Number	TX25HA-2500-001	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	30	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	52387	NA
400	File Number	321864	NA
400	Maintenance Usage Threshold	10000 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	35645690	NA

Electrical

Transformer

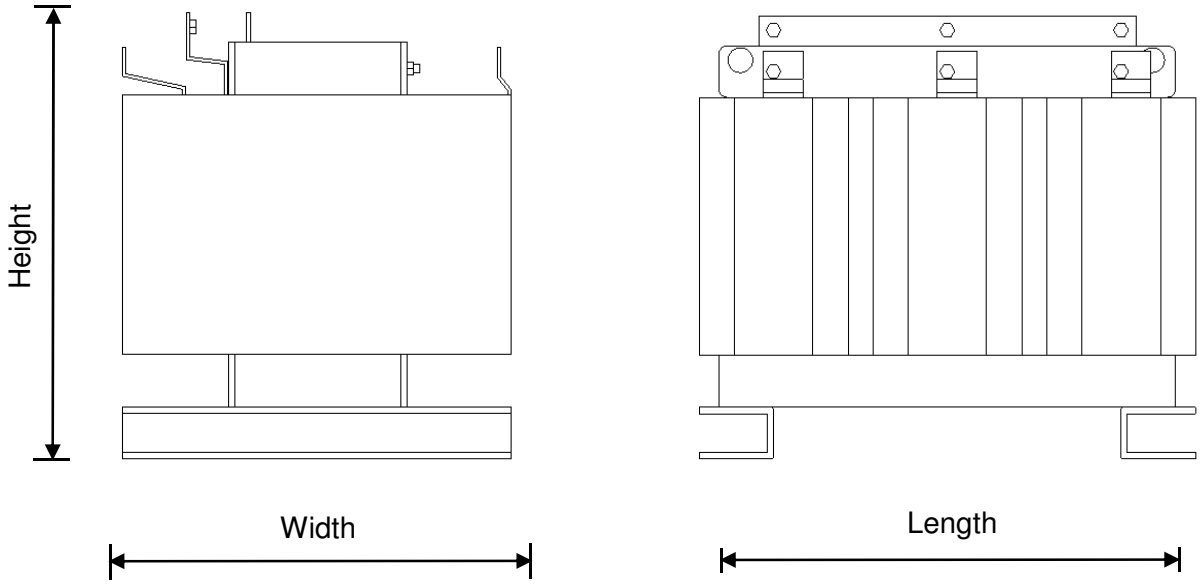
LOD-I	Proposed Attribute Name	Example	Unit
400	Wireless_Optical Zone Tag ID	356456954	NA
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Additional Spare Part Name	NA	NA
400	Efficiency	95	%
400	Insulation Class	Class 150	NA
400	Noise Level	40	dBA
400	Number of Phases	3	NA
400	Number of Steps	2	NA
400	Rated Frequency	50	Hz
400	Rated Power	1000	kVA
400	Rated Primary Voltage	11000	V
400	Rated Secondary Voltage	380	V
400	SCADA Tag Name	TX0001	NA
400	Type of Cooling	Natural Ventilation	NA
400	Vector Grouping	NA	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A (6)	NA

Electrical

Transformer

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Side View Front View

Remarks:

(1): Y or N
(2): Ceiling Running Hour or No. of Count
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(5): Low, Medium, High or Critical
(6): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Electrical

Variable Speed Drive

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	EVS	NA
200-300	Equipment Name Chinese	變速驅動器	NA
200-300	Equipment Name English	Variable Speed Drive	NA
200-300	Equipment Type	Variable Speed Drive	NA
200-300	Asset Code	MOS108SPS-SPS-00F-SWR-PDS-EVS-___001	NA
200-300	System Code	___	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Stainless Steel	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+3.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	2237	mm
200-300	Length	1200	mm
200-300	Width	627	mm
200-300	OmniClass Code	23-27 35 00	NA
200-300	OmniClass Title	Variable Speed Drives	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Electrical

Variable Speed Drive

LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	810	kg
400	Brand Name	YXX Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Schneider Electric	NA
400	Model	ATV71HC16N4	NA
400	Original Price Amount	15000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	HK	NA
400	Serial Number	ATV71EXC5C16N4H-0012	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	10	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	52387	NA
400	File Number	321864	NA
400	Maintenance Usage Threshold	10000 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	35645690	NA
400	Wireless_Optical Zone Tag ID	356456954	NA

Electrical

Variable Speed Drive

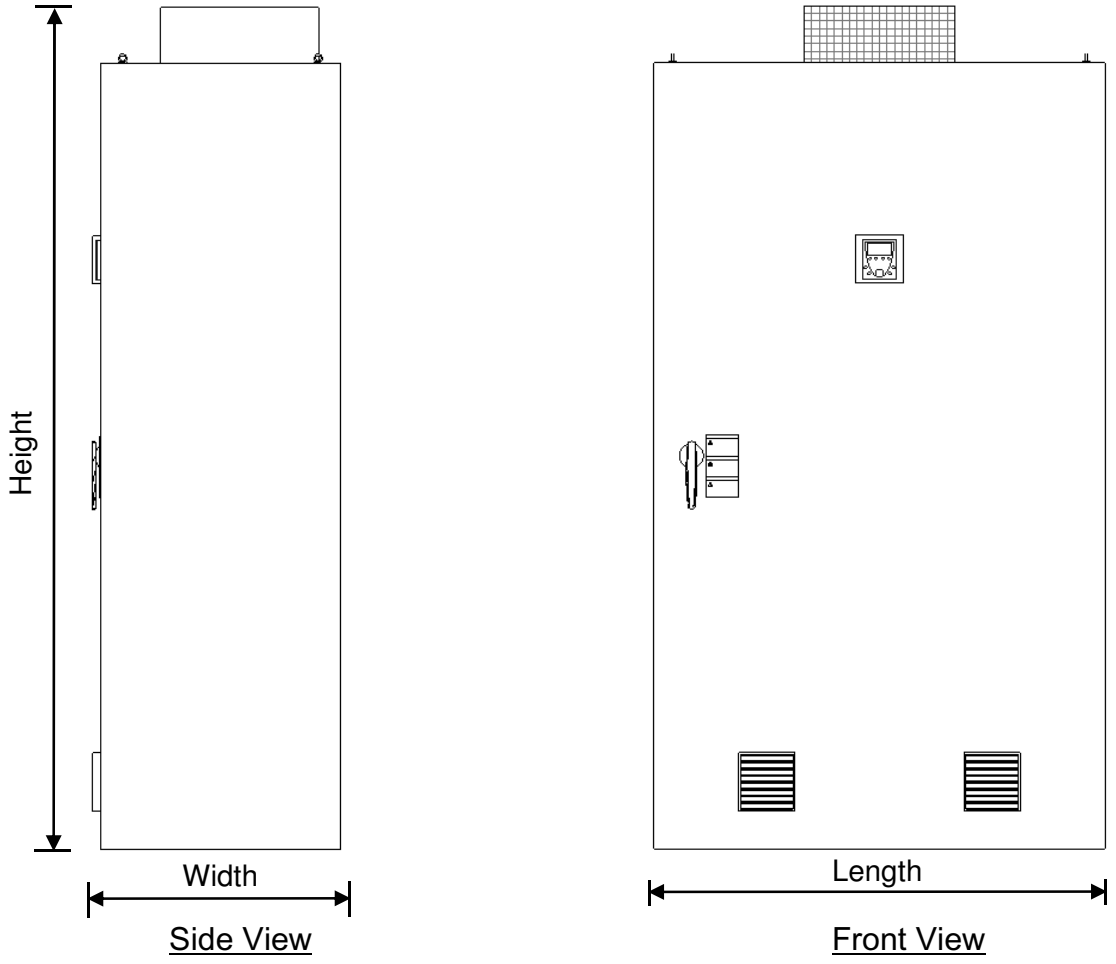
LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare [4]	NA
400	Priority	High [5]	NA
400	Additional Spare Part Name	NA	NA
400	Analogue Input	3	NA
400	Efficiency	95	%
400	Frequency Resolution	50	Hz
400	Maximum Relative Humidity	30	%
400	Number of Phases	3	NA
400	Operation Ambient Air Temperature	25	ºC
400	Output Frequency Range	50	Hz
400	Output Voltage	220	V
400	SCADA Tag Name	VS0001	NA
400	Set Point Memory	3	NA
400	Transient Load Capacity	50	%
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A [6]	NA

Electrical

Variable Speed Drive

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



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Building Services

Fan

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	BFA	NA
200-300	Equipment Name Chinese	抽氣扇	NA
200-300	Equipment Name English	Axial Fan	NA
200-300	Equipment Type	Fan	NA
200-300	Asset Code	MOS108SPS-SPS-00F-SWR-EAS-BFA-AXI001	NA
200-300	System Code	EAS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Steel	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+5.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	585	mm
200-300	Length	585	mm
200-300	Width	237	mm
200-300	OmniClass Code	23-33 31 19	NA
200-300	OmniClass Title	Fans	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Building Services

Fan

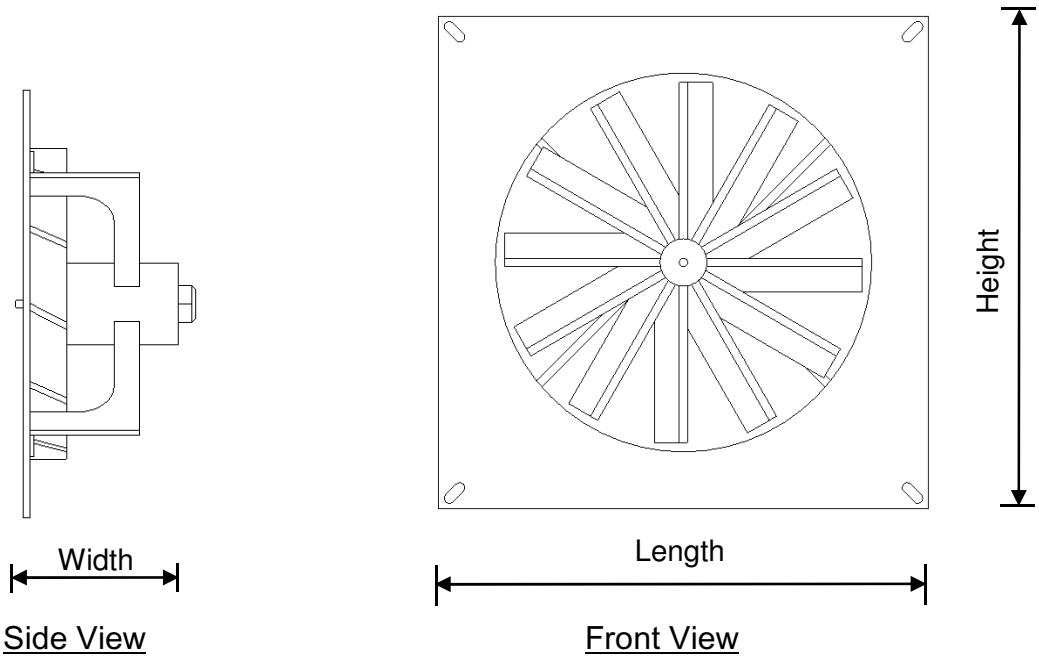
LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	25	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Flaktwoods	NA
400	Model	2101 GP315	NA
400	Original Price Amount	2500	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	UK	NA
400	Serial Number	1563-111-001	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	8	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	12051	NA
400	File Number	123523	NA
400	Maintenance Usage Threshold	4500 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	33251125	NA
400	Wireless_Optical Zone Tag ID	33251458	NA

Building Services

Fan

LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(7)	NA

Example Image:



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Building Services

Fire Extinguisher

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	BFE	NA
200-300	Equipment Name Chinese	二氧化碳滅火器	NA
200-300	Equipment Name English	CO2 Fire Extinguisher	NA
200-300	Equipment Type	Fire Extinguisher	NA
200-300	Asset Code	MOS108SPS-SPS-00F-SWR-FSS-BFE-CO2001	NA
200-300	System Code	FSS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Aluminium	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+4.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	720	mm
200-300	Length	240	mm
200-300	Width	240	mm
200-300	OmniClass Code	23.29.25.19	NA
200-300	OmniClass Title	Fire Extinguishers	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Building Services

Fire Extinguisher

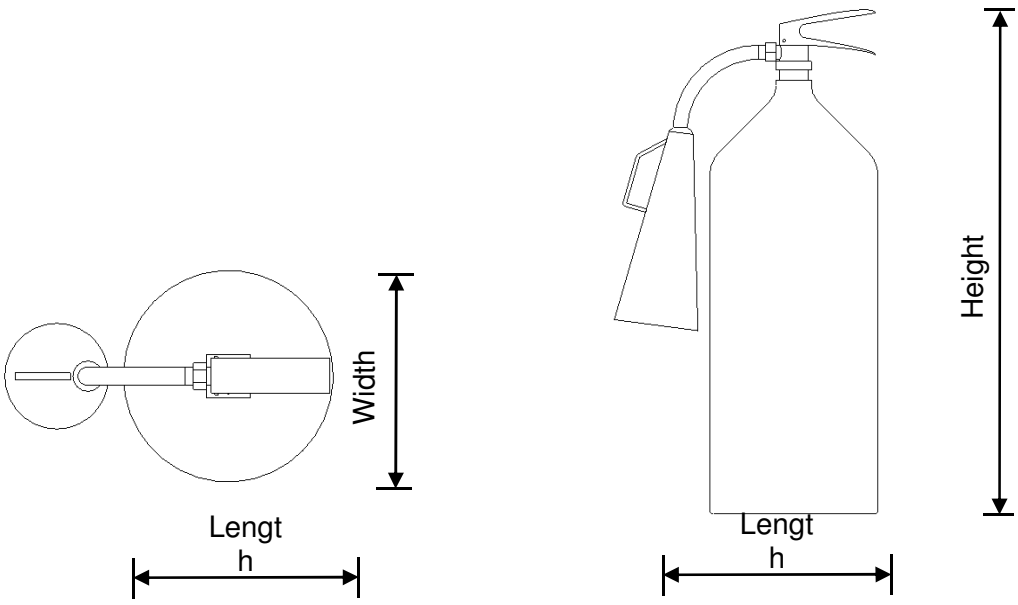
LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	15.2	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Sri	NA
400	Model	FEX 181	NA
400	Original Price Amount	800	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Malaysia	NA
400	Serial Number	NA	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	5	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	11019	NA
400	File Number	123561	NA
400	Maintenance Usage Threshold	1 (2)	NA
400	Usage Unit	No. of Count (3)	NA
400	Wireless_Optical Tag ID	52311253	NA
400	Wireless_Optical Zone Tag ID	52311897	NA

Building Services

Fire Extinguisher

LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(7)	NA

Example Image:



Plan View Front View

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Building Services

Lighting Fitting

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	BLF	NA
200-300	Equipment Name Chinese	光管	NA
200-300	Equipment Name English	Fluorescent Lamp	NA
200-300	Equipment Type	Lighting Fitting	NA
200-300	Asset Code	MOS108SPS-SPS-00F-SWR-LTS-BLF-FLU001	NA
200-300	System Code	LTS	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Sheet Steel	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+6.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	110	mm
200-300	Length	1570	mm
200-300	Width	100	mm
200-300	Application	Indoor	NA
200-300	Insulation class	IP65	NA
200-300	Number of Lamp	2	NA

Building Services

Lighting Fitting

LOD-I	Proposed Attribute Name	Example	Unit
200-300	Power Rating	49	W
200-300	Type of Lamp	Fluorescent Lamp	NA
200-300	OmniClass Code	23.35.47.00	NA
200-300	OmniClass Title	Electrical Lighting	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Weight	3.6	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Thorn	NA
400	Model	LUZP	NA
400	Original Price Amount	500	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	China	NA
400	Serial Number	LUZP149C	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	2	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	13797	NA

Building Services

Lighting Fitting

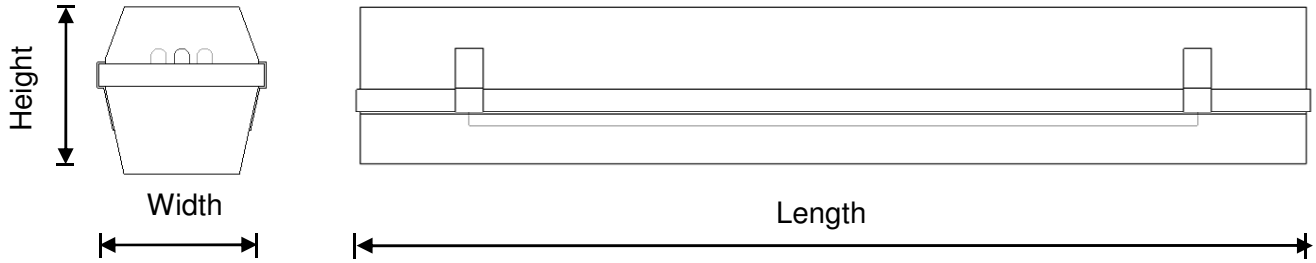
LOD-I	Proposed Attribute Name	Example	Unit
400	File Number	125536	NA
400	Maintenance Usage Threshold	6000 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	22893571	NA
400	Wireless_Optical Zone Tag ID	22893548	NA
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Additional Spare Part Name	NA	NA
400	SCADA Tag Name	LF0001	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(7)	NA

Building Services

Lighting Fitting

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Side View Front View

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Control and Instrumentation

Flowmeter

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	CFM	NA
200-300	Equipment Name Chinese	電磁流量計	NA
200-300	Equipment Name English	Electromagnetic Flowmeter	NA
200-300	Equipment Type	Flowmeter	NA
200-300	Asset Code	MOS108SPS-SPS-B1-VCB-PPS-CFL-ELM001	NA
200-300	System Code	___	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Cast Aluminium	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+2.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	527	mm
200-300	Length	350	mm
200-300	Width	324	mm
200-300	Insulation class	IP65	NA
200-300	Nominal Diameter	200	mm
200-300	OmniClass Code	23-27 11 15	NA

Control and Instrumentation

Flowmeter

LOD-I	Proposed Attribute Name	Example	Unit
200-300	OmniClass Title	Flow Measuring Instrument And Controls	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA
400	Weight	225	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Welltech	NA
400	Model	MAG-XE	NA
400	Original Price Amount	90000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Shanghai	NA
400	Serial Number	DE14F	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	8	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	17201	NA
400	File Number	125321	NA
400	Maintenance Usage Threshold	4500 (2)	NA
400	Usage Unit	Hour (3)	NA

Control and Instrumentation

Flowmeter

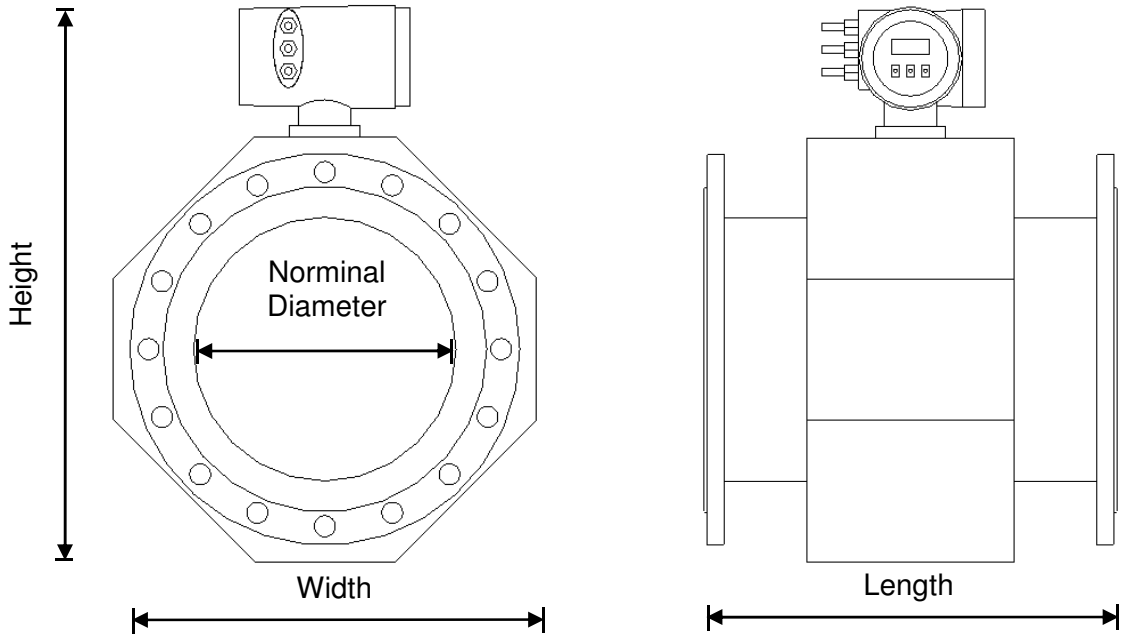
LOD-I	Proposed Attribute Name	Example	Unit
400	Wireless_Optical Tag ID	54713222	NA
400	Wireless_Optical Zone Tag ID	54713289	NA
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	Accuracy	99.6	%
400	Additional Spare Part Name	NA	NA
400	Measurement Range	0 - 0.3	l/s
400	SCADA Tag Name	EF0001	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A (7)	NA

Control and Instrumentation

Flowmeter

LOD-I	Proposed Attribute Name	Example	Unit

Example Image:



Side View Front View

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Control and Instrumentation

Sensor

LOD-I	Proposed Attribute Name	Example	Unit
100	Address	Shan On Street, Ma On Shan	NA
100	Site ID	MOS108SPS	NA
100	District Code	ST	NA
100	CAT Code	CSE	NA
200-300	Equipment Name Chinese	超聲波水位傳感器	NA
200-300	Equipment Name English	Ultrasonic Level Sensor	NA
200-300	Equipment Type	Sensor	NA
200-300	Asset Code	MOS108SPS-SPS-B2-WWL-PPS-CSE-ULL001	NA
200-300	System Code	___	NA
200-300	Is Parent Entity	N (1)	NA
200-300	Material	Aluminium	NA
200-300	Remark	NA	NA
200-300	Unit Number	001	NA
200-300	Elevation	+2.20	mPD
200-300	Elevation Type	mPD	NA
200-300	Height	248	mm
200-300	Length	230	mm
200-300	Width	230	mm
200-300	OmniClass Code	23-27 11 21 23	NA
200-300	OmniClass Title	Level Sensors	NA
200-300	OmniClass Version	National Standard - 2012-05-16	NA

Control and Instrumentation

Sensor

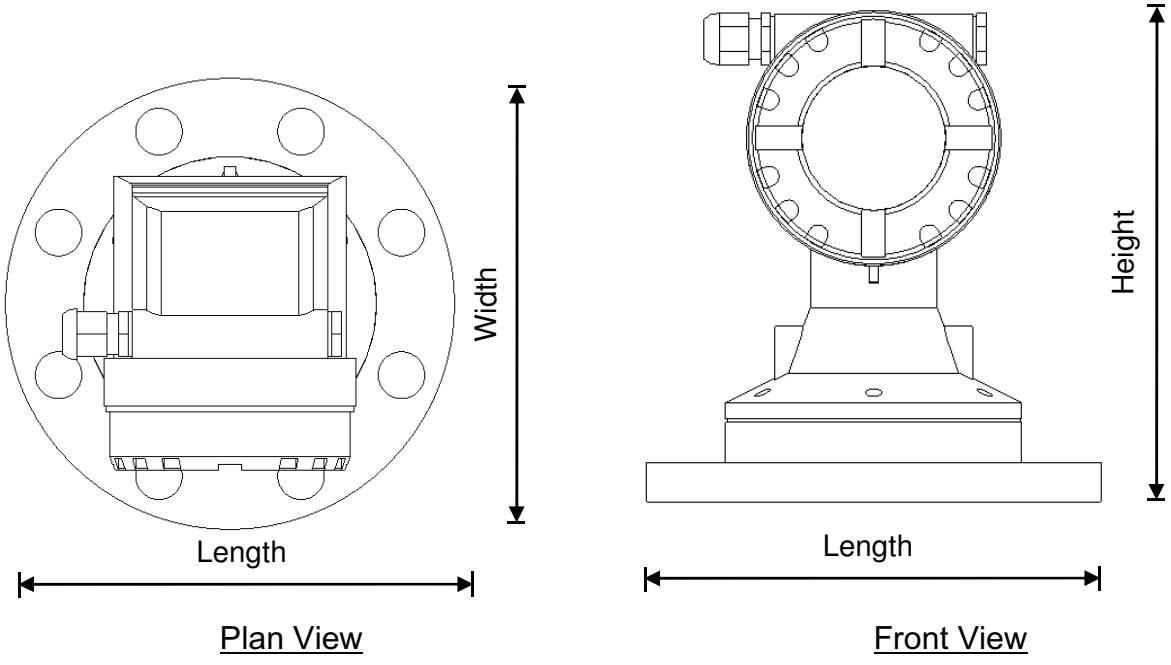
LOD-I	Proposed Attribute Name	Example	Unit
400	Weight	1.5	kg
400	Brand Name	XYZ Brand	NA
400	Manufacturer Contact	1234 5678	NA
400	Manufacturer Name	Endress+Hauser	NA
400	Model	Prosonic M FMU 44	NA
400	Original Price Amount	5000	NA
400	Original Price Amount Currency	HKD	NA
400	Place of Origin	Switzerland	NA
400	Serial Number	FMU44-230-155	NA
400	Supplier Contact	1234 5678	NA
400	Supplier Name	ABC Company	NA
400	Commission Date	12/06/2009	NA
400	DLP End Date	12/06/2010	NA
400	Expected Life Time	5	year
400	Installed Date	01/05/2008	NA
400	Manufactured Date	01/01/2008	NA
400	Equipment Number	13336	NA
400	File Number	132111	NA
400	Maintenance Usage Threshold	2500 (2)	NA
400	Usage Unit	Hour (3)	NA
400	Wireless_Optical Tag ID	32012368	NA
400	Wireless_Optical Zone Tag ID	32012891	NA

Control and Instrumentation

Sensor

LOD-I	Proposed Attribute Name	Example	Unit
400	Criticality	Critical-no spare (4)	NA
400	Priority	High (5)	NA
400	OM Manual	\\servername\PD2022001\DC201309\30_Manual\OM_Manual\OM_Manual.pdf	NA
400	Test Report	\\servername\PD2022001\DC201309\30_Manual\TC_Report\TestReport.pdf	NA
400	Warranties	\\servername\PD2022001\DC201309\30_Manual\Warranties\Warranties.pdf	NA
400	Drawing	\\servername\PD2022001\DC201309\30_Manual\Drawing\Drawing.pdf	NA
500	Verification	A(7)	NA

Example Image:



Plan View Front View

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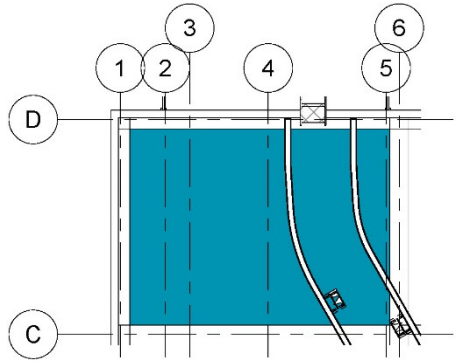
(5): Low, Medium, High or Critical
(6): Date should be in the format of dd/mm/yyyy
(7): Verification method = [A] for "field verified by visual inspection", [B] for "field verified by a measured survey"

Example 1 (Facility - Structural Slab)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	RF	___	C01D06	TLA	___	___

Asset Code -	MOS108SPS-SPS-RF-___-C01D06-TLA-_____
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
RF-	Roof
___-	Not applicable
C01D06-	From grid line C01 to grid line D06
TLA-	Structural Slab
___	Not applicable
___	Not applicable

Image of Model File



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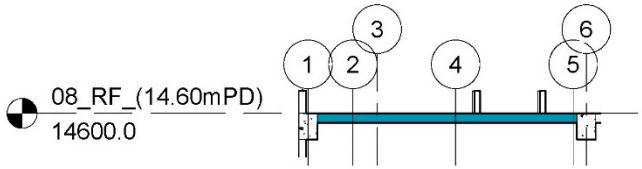


Section

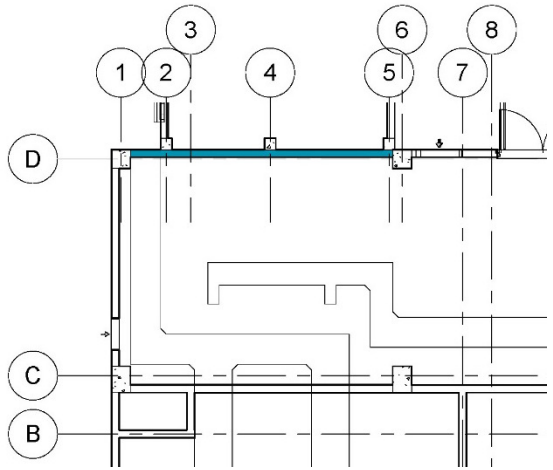
Example 2 (Facility - Structural Wall)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GA	___	D01D06	TWL	___	___

Asset Code -	MOS108SPS-SPS-GA-___-D01D06-TWL-_____
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
GA-	The 1st intermediate level above Ground Floor
___-	Not applicable
D01D06-	From grid line D01 to grid line D06
TWL-	Structural Wall
___	Not applicable
___	Not applicable

Image of Model File

Plan



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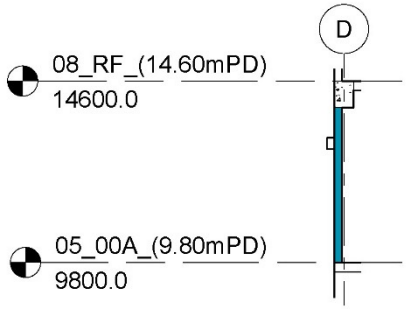
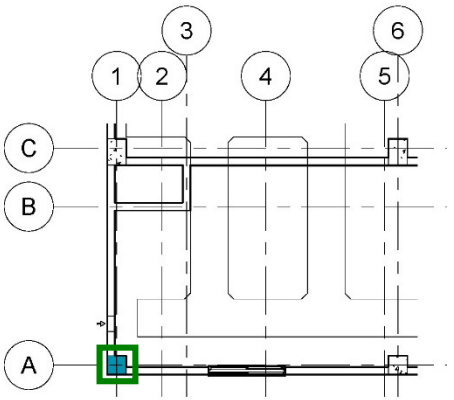
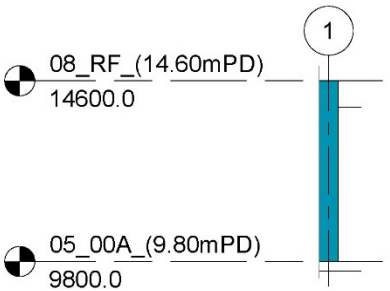


Example 3 (Facility - Structural Column)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GA	___	A01	TCO	___	___

Asset Code -	MOS108SPS-SPS-GA-___-A01-TCO-_____	Image of Model File
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station	
SPS -	Sewage Pumping Station	
GA-	The 1st intermediate level above Ground Floor	Plan 
___ -	Not applicable	
A01 -	At grid A01	
TCO-	Structural Column	
___-	Not applicable	Section 
___	Not applicable	

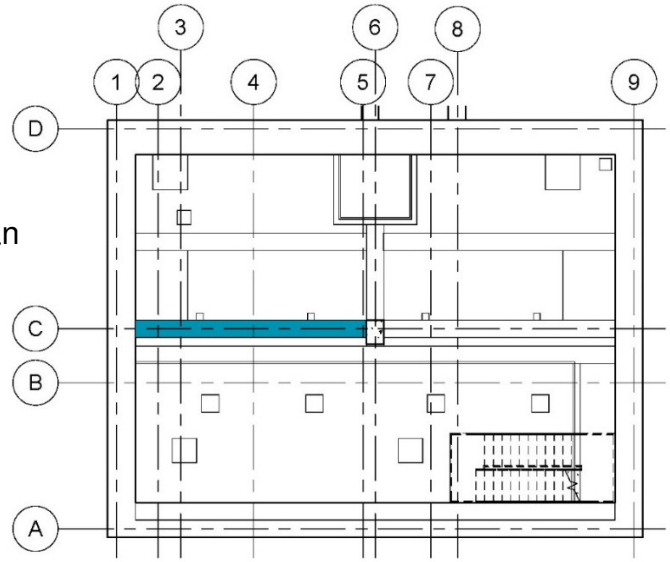
Example 4 (Facility - Structural Beam)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	B1	___	C01C06	TBS	___	001

Asset Code -	MOS108SPS-SPS-B1-___-C01C06-TBS-___001
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
B1-	Basement 1
___-	Not applicable
C01C06-	From grid line C01 to grid line C06
TBS-	Structural Beam
___-	Not applicable
001	Beam number 1

Image of Model File

Plan



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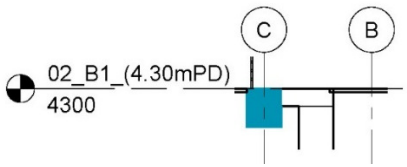


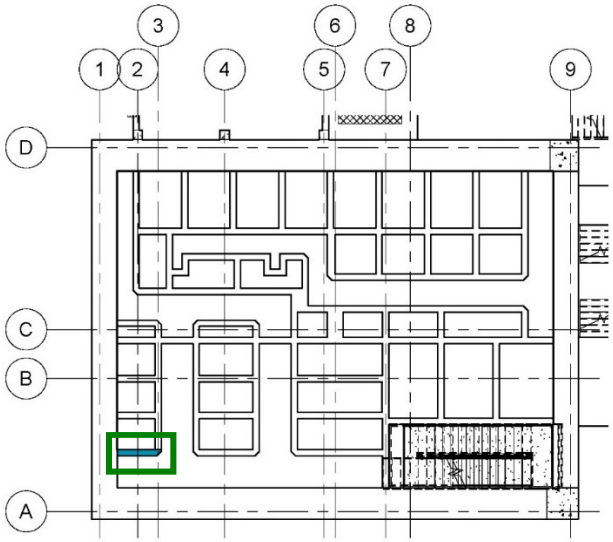
Example 5 (Facility - Structural Wall)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GF	___	A01D09	TWL	___	001

Asset Code -	MOS108SPS-SPS-GF-___-A01D09-TWL-___001
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
GF-	Ground Floor
___ -	Not applicable
A01D09 -	From grid line A01 to grid line D09
TWL-	Structural Wall
___-	Not applicable
001	The 1st trench wall

Image of Model File

Plan



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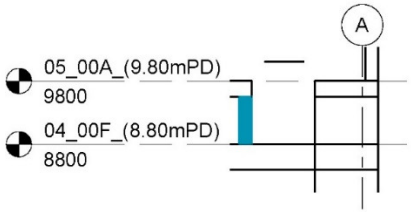


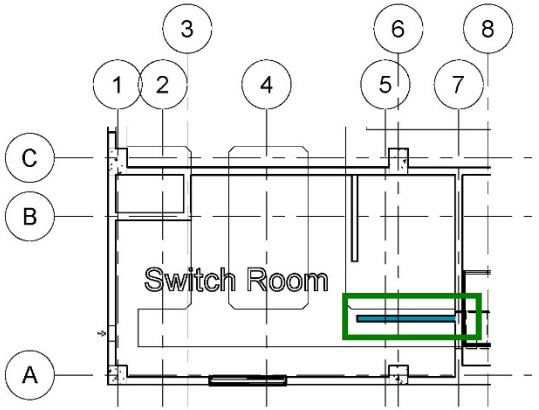
Example 6 (Facility - Internal Wall)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GA	SWR	___	TWL	IWL	001

Asset Code -	MOS108SPS-SPS-GA-SWR-___-TWL-IWL001
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
GA-	The 1st intermediate level above Ground Floor
SWR -	Switch Room
___ -	Not applicable
TWL-	Structural Wall
IWL-	Internal Wall
001	The 1st internal wall

Image of Model File

Plan



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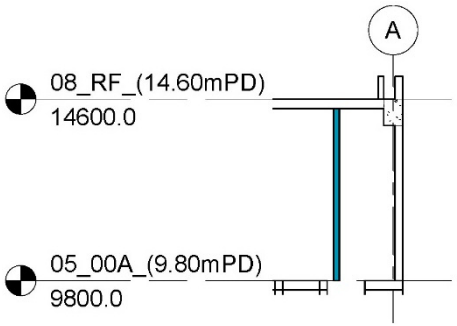
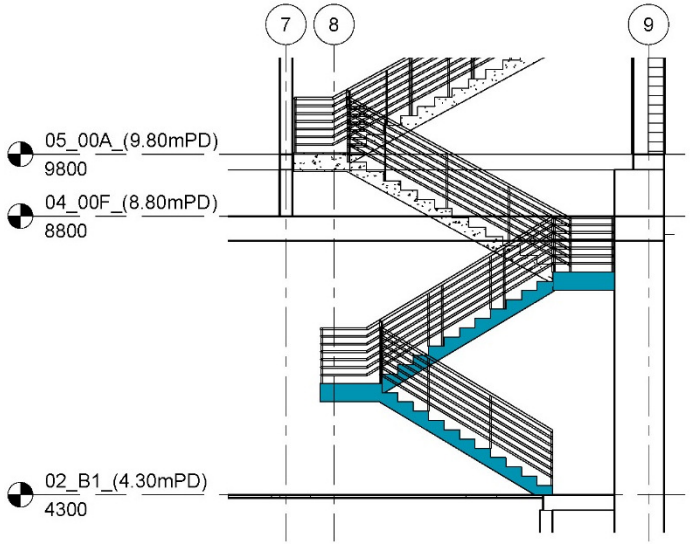


Example 7 (Facility - Staircase)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	B1	___	___	TTE	___	001

Asset Code -	MOS108SPS-SPS-B1-___-___-TTE-___001
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
B1-	Basement 1 Level
___ -	Not applicable
___ -	Not applicable
TTE-	Staircase
___	Not applicable
001	Staircase No.1

Image of Model File



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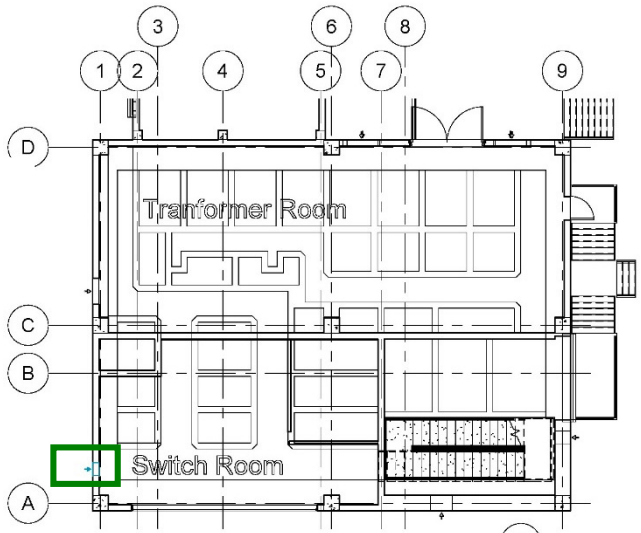
Example 8 (Facility - Louver)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GA	TFR	___	AWD	LOU	001

Asset Code -	MOS108SPS-SPS-GA-TFR-___-AWD-LOU001
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
GA-	The 1st intermediate level above Ground Floor
TFR -	Transformer Room
___ -	Not applicable
AWD -	Window
LOU -	Louver
001	The 1st louver

Image of Model File

Plan



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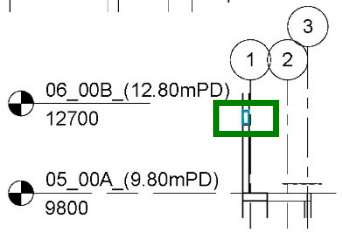


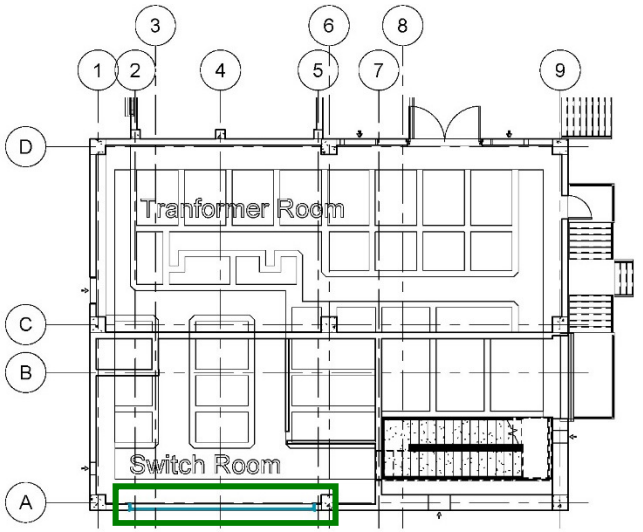
Example 9 (Facility - Window)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GA	SWR	___	AWD	___	001

Asset Code -	MOS108SPS-SPS-GA-TFR-___-AWD-___001
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS-	Sewage Pumping Station
GA-	The 1st intermediate level above Ground Floor
SWR-	Switch Room
___ -	Not applicable
AWD -	Window
___-	Not applicable
001	The 1st window

Image of Model File

Plan



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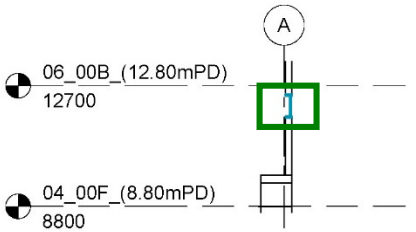


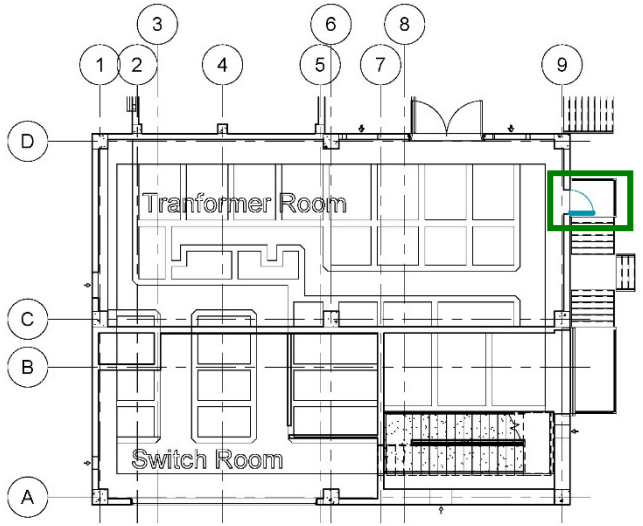
Example 10 (Facility - Door)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GA	TFR	___	ADO	SF1	001

Asset Code -	MOS108SPS-SPS-GA-TFR-___-ADO-SF1001
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
GA-	The 1st intermediate level above Ground Floor
TFR-	Transformer Room
___ -	Not applicable
ADO-	Door
SF1-	Type 1 Single Leaf
001	The 1st door

Image of Model File

Plan



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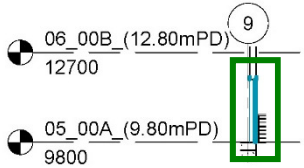


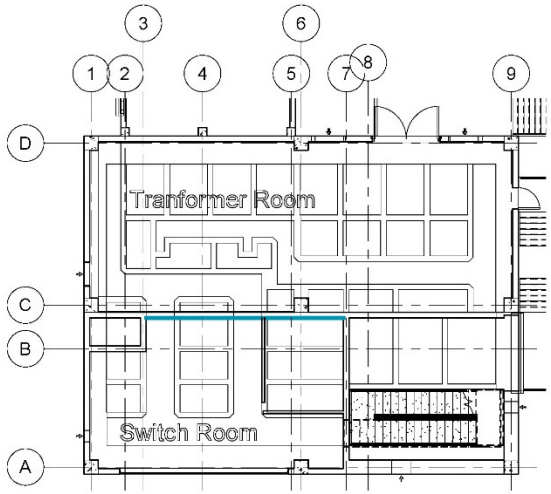
Example 11 (Facility - Finishing)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GA	SWR	C03C07	TWL	IFT	___

Asset Code -	MOS108SPS-SPS-GA-SWR-C03C07-TWL-IFT___
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
GA-	The 1st intermediate level above Ground Floor
SWR -	Switch Room
C03C07 -	From grid line C03 to grid line C07
TWL-	Structural Wall
IFT-	Internal Wall Finishing Ceramic Tile
___	Not applicable

Image of Model File

Plan



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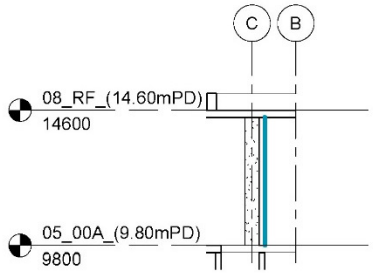


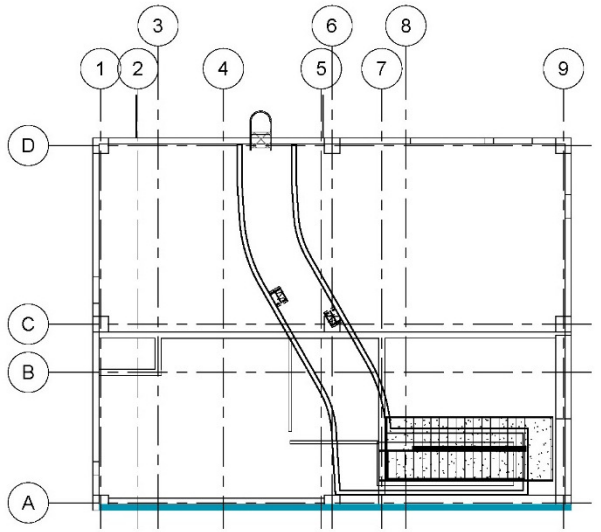
Example 12 (Facility - Parapet Wall)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	RF	___	A01A09	TWL	PWL	___

Asset Code -	MOS108SPS-SPS-RF-___-A01A09-TWL-PWL___
MOS108SPS –	Ma On Shan 108 Sewage Pumping Station
SPS -	Sewage Pumping Station
RF-	Roof
___ -	Not applicable
A01A09 -	From grid line A01 to grid line A09
TWL -	Structural Wall
PWL-	Parapet Wall
___	Not applicable

Image of Model File

Plan



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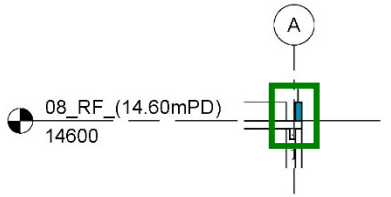


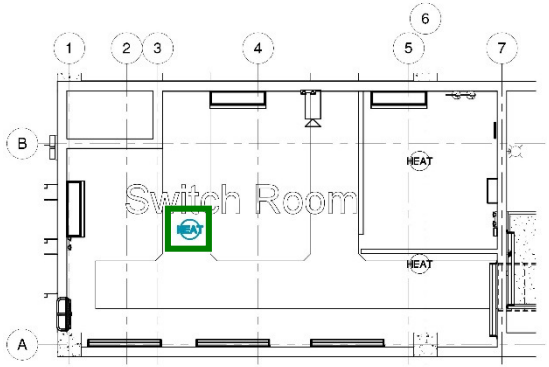
Example 13 (Facility - Fire Detector)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GF	SWR	FSS	BFD	HEA	002

Asset Code –	MOS108SPS-SPS-GF-SWR-FSS-BFD-HEA002
MOS108SPS –	Ma On Shan Sewage Pumping Station
SPS –	Sewage Pumping Station
GF –	Ground Floor
SWR –	Switch Room
FSS –	Fire Services System
BFD –	Fire Detector
HEA	Heat Detector
002	No. 2

Image of Model File

Plan



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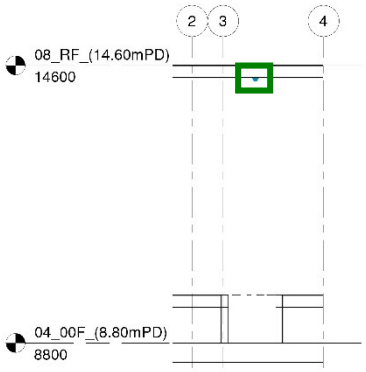


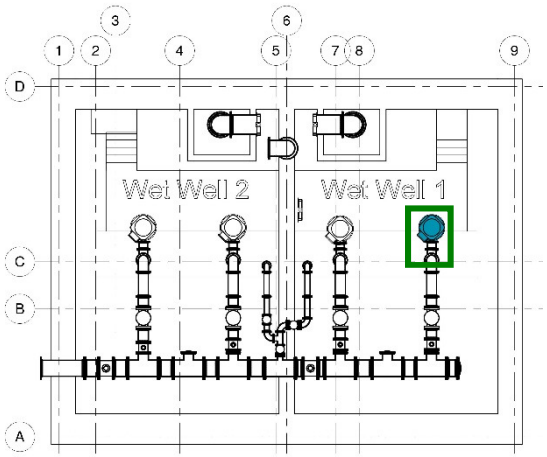
Example 14 (Facility - Pump)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	ES	WWL1	PPS	MPU	SUB	002

Asset Code –	MOS108SPS-SPS-ES-WWL1-PPS-MPU-SUB002
MOS108SPS –	Ma On Shan Sewage Pumping Station
SPS –	Sewage Pumping Station
ES –	Referenced Level from Engineering Survey
WWL1 –	Wet Well 1
PPS –	Pumping System
MPU –	Pump
SUB	Submersible Pump
002	No. 2

Image of Model File

Plan



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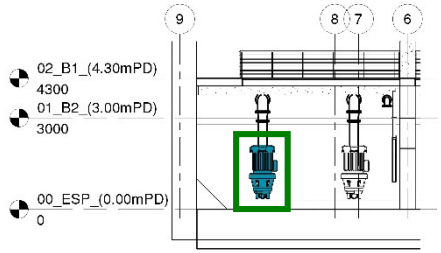


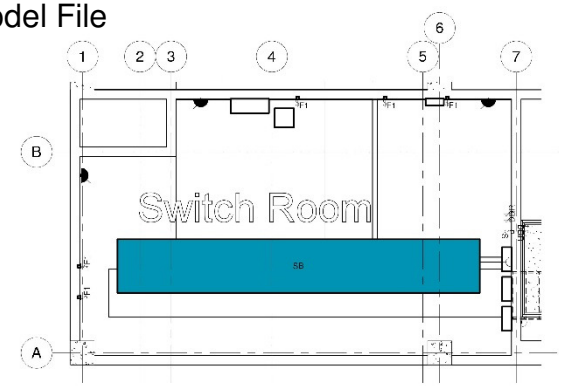
Example 15 (Facility - Switchboard)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	GF	SWR	PDS	ESB	LV_	001

Asset Code –	MOS108SPS-SPS-GF-SWR-PDS-ESB-LV_001
MOS108SPS –	Ma On Shan Sewage Pumping Station
SPS –	Sewage Pumping Station
GF –	Ground Floor
SWR –	Switch Room
PDS –	Power Distribution System
ESB –	Switchboard
LV_	LV Switchboard
001	No. 1

Image of Model File

Plan



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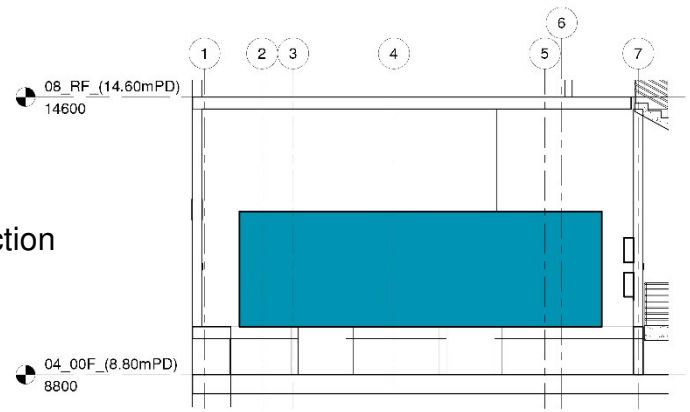


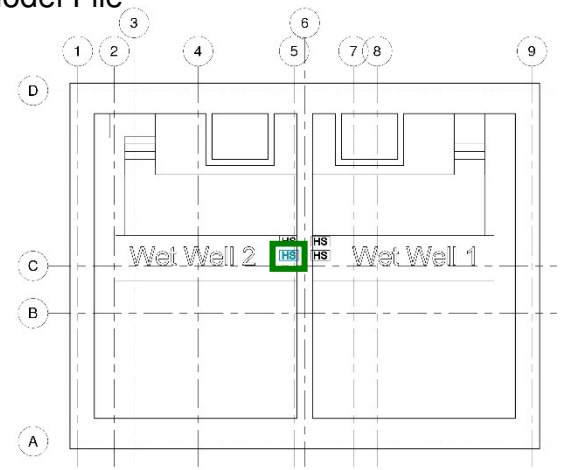
Example 16 (Facility - Hydrostatic Level Sensor)

Station Name	Feature Code	Level Code	Space / Room Code	E&M System / Grid Code	DSD CAT Code	DSD Sub-CAT Code	Unit Number
MOS108SPS	SPS	ES	WWL2	PPS	CSE	HYL	001

Asset Code –	MOS108SPS-SPS-ES-WWL2-PPS-CSE-HYL001
MOS108SPS –	Ma On Shan Sewage Pumping Station
SPS –	Sewage Pumping Station
ES –	Referenced Level from Engineering Survey
WWL2 –	Wet Well 2
PPS –	Pumping System
CSE –	Sensor
HYL	Hydrostatic Level Sensor
001	No. 1

Image of Model File

Plan



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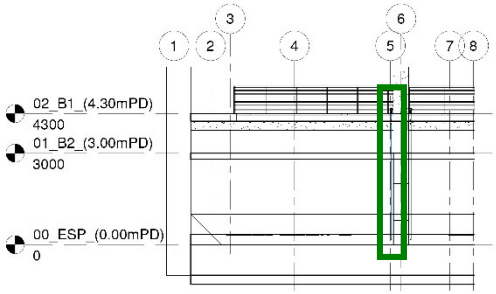
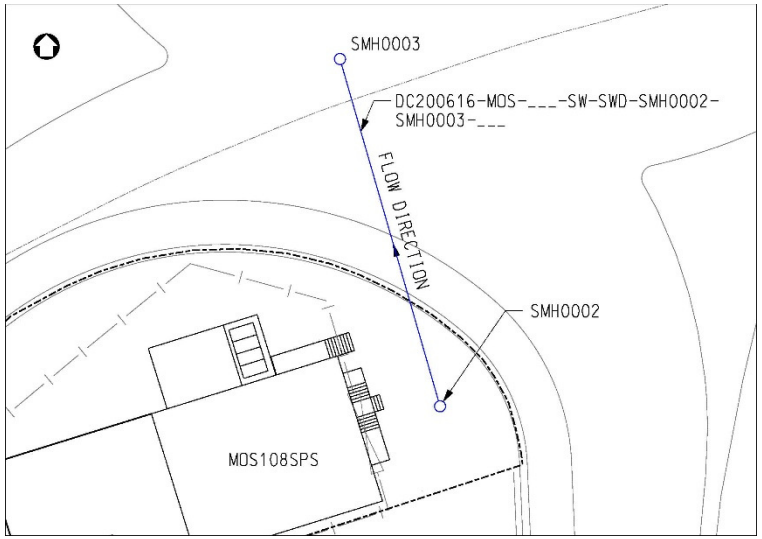


Example 17 (Network - Gravity Pipe)

Project Code	District Code	Station Name	Drainage System	CAT Code	Start Node No.	End Node No.	Chainage / MH No.
DC200616	MOS	___	SD	SWD	SMH0002	SMH0003	___

Asset Code	DC200616-MOS-___-SD-SWD-SMH0002-SMH0003-___
DC200616 -	Contract No. DC/2006/16
MOS -	Ma On Shan District Code
___ -	Not applicable
SD -	Stormwater System
SWD -	Stormwater Pipe
SMH0002 -	From Stormwater Manhole No. 0002
SMH0003 -	To Stormwater Manhole No. 0003
___	Not applicable

Image of Model File

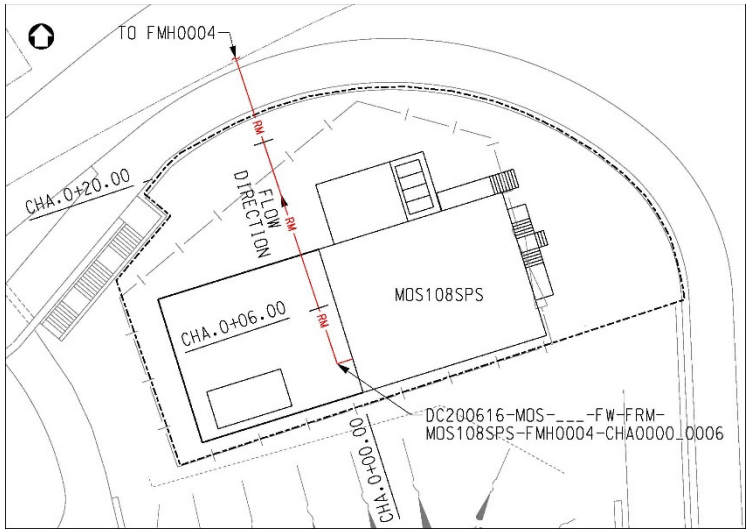


Example 18 (Network - Rising Main)

Project Code	District Code	Station Name	Drainage System	CAT Code	Start Node No.	End Node No.	Chainage ∗ / MH No.
DC200616	MOS	___	FO	FRM	MOS108SPS	FMH0004	CHA0000_0006

Asset Code	DC200616-MOS-___-FO-FRM-MOS108SPS-FMH0004-CHA0000_0006
DC200616 -	Contract No. DC/2006/16
MOS -	Ma On Shan District Code
___ -	Not applicable
FO -	Sewerage System
FRM -	Sewerage Rising Main
MOS108SPS -	From Ma On Shan 108 Sewage Pumping Station
FMH0004 -	To Sewerage Manhole No. 0004
CHA0000_0006	Chainage A from 0m to 6m of pipe (From Start Node)

Image of Model File



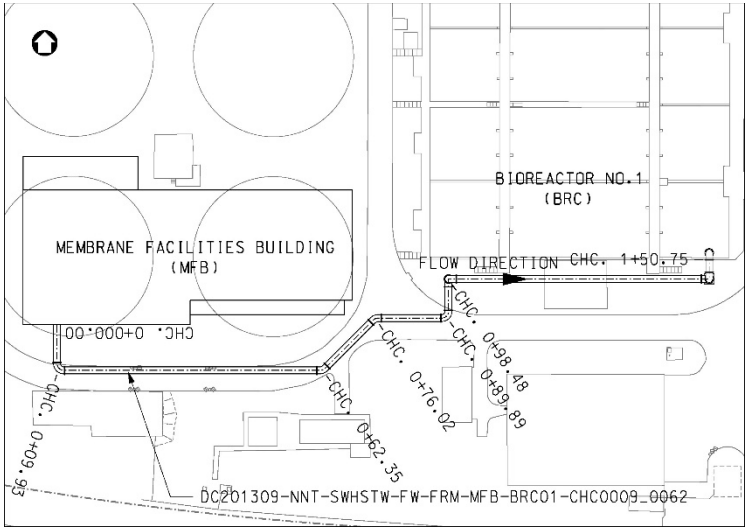
∗ If more than one rising main within a project, the chainage name should follow the naming convention CHA, CHB and CHC, etc.

Example 19 (Network - Rising Main within Sewerage Treatment Work)

Project Code	District Code	Station Name	Drainage System	CAT Code	Start Node No.	End Node No.	Chainage / MH No.
DC201309	NNT	SWHSTW	FO	FRM	MFB	BRC01	CHC0009_0062

Asset Code	DC201309-NNT-SWHSTW-FO-FRM-MFB-BRC01-CHC0009_0062
DC201309 -	Contract No. DC/2013/09
NNT -	North New Territories (District Code for Facility)
SWHSTW -	Shek Wu Hui Sewage Treatment Works
FO -	Sewerage System
FRM –	Sewerage Rising Main
MFB -	From Membrane Facility Building
BRC01 -	To Bioreactor No. 1
CHC0009_0062	Chainage C from 9m to 62m of pipe (From Start Node)

Image of Model File

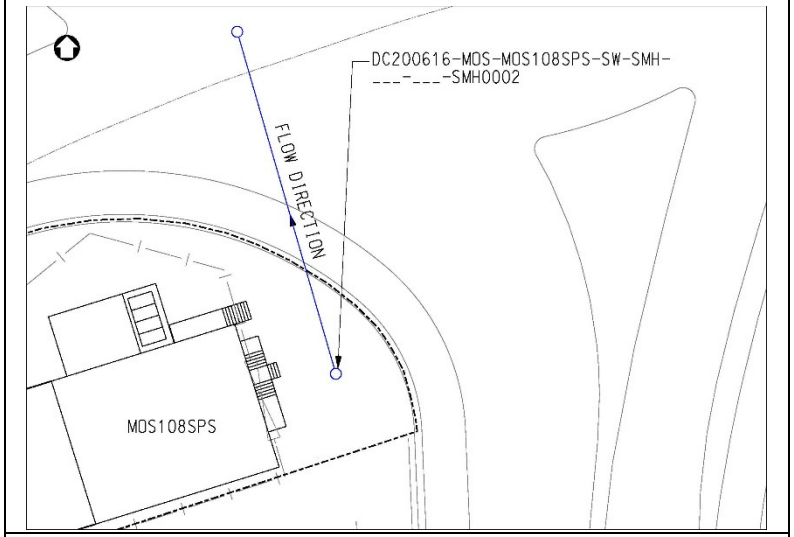


Example 20 (Network - Manhole)

Project Code	District Code	Station Name ✻	Drainage System	CAT Code	Start Node No.	End Node No.	Chainage / MH No.
DC200616	MOS	MOS108SPS	SD	SMH	___	___	SMH0002

Asset Code	DC200616-MOS-MOS108SPS-SD-SMH-___-___-SMH0002
DC200616 -	Contract No. DC/2006/16
MOS -	Ma On Shan District Code
MOS108SPS -	Ma On Shan 108 Sewage Pumping Station
SD -	Stormwater System
SMH -	Stormwater Manhole
___-	Not applicable
___ -	Not applicable
SMH0002	Stormwater Manhole No. 0002

Image of Model File



✻ Station name field should be filled when the manhole is inside the site boundary of the station.

Appendix I

Space / Room Code and E&M System / Grid Code

Space / Room Code

Space / Room	Code
Air Blower Room	ABR
Conference Room	CFR
Control Room	CTR
Corridor	COR
Deodorizer Room	DOR
Dry Well	DWL
Generator Room	GER
Entrance	ENT
Fire Services Control Room	FSCR
Fuel Tank Room	FTR
HV Switch Room	HVSR
Indoor	IND
Inlet Chamber	ICB
Laboratory	LAB
Lobby	LBY
LV Switch Room	LVSR
No Space / Room	___
Office	OFF
Outdoor	OUD
Pantry	PAN
Pump Room	PUR
Roof	ROF
Screen Room	SCR
Security Control Room	STCR
Stair	STA
Store Room	STER
Switch Room	SWR
Toilet	TLT
Transformer Room	TFR
Valve Chamber	VCB
Wet Well	WWL

E&M System Code

E&M System	Code
Access Control System	ACS
Activated Sludge System	ASS
Air Blower System	ABS
Boiler System	BLS
Burglar Alarm System	BAS
CCTV Security Monitoring System	CSMS
Compressed Air System	CAS
Conveyor System	CVS
Deodorization System	DOS
Disinfection System	DFS
Dosing System	DSS
Earthing System	ETS
Exhaust Air System	EAS
Fire Services System	FSS
Gas Burner System	GBS
Gas Detection System	GDS
Gas Holder System	GHS
Grit Removal System	GRS
Irrigation System	IGS
Lifting & Swiveling System	LSS
Lighting System	LTS
Lightning Protection System	LPS
Membrane Bioreactor System	MBS
No System	___
Power Distribution System	PDS
Power Generating System	PGS
Power Quality Energy Management System	PQEMS
Pumping System	PPS
Reclaimed Water System	RWS
SCADA System	SCADAS
Screen System	SCS
Sludge Dewatering System	SDS
Sludge Feed System	SFS
Sludge Thickening System	STS
Solar Photovoltaic System	SPVS

E&M System	Code
Solar Water Heating System	SWHS
Supply Air System	SAS
Uninterrupted Power System	UPS
Washpactor System	WPS

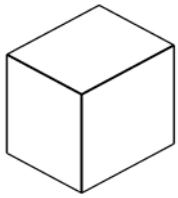
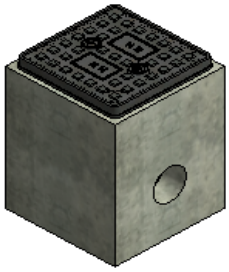
Grid Code

Item	Structural	Grid Code	Remark
1	Column	A01	A01 is the intersection point between Grid line A and Grid line 1, the column's centroid is located at the intersection of the grid
2	Wall/ Beam	A01A02	The Structural Wall / Beam is from grid point A01 (the first intersection point) to A02 (the last intersection point) in Floor Plan
3	Wall/ Beam	A01B01	The Structural Wall / Beam is from grid point A01 (the first intersection point) to B01 (the last intersection point) in Floor Plan
4	Slab	A01B06	The Structural Slab is from grid point A01 (the first intersection point at lower left corner) to B06 (the last intersection point at upper right corner) in Floor Plan

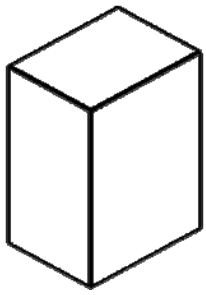
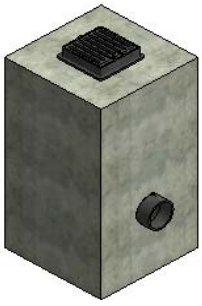
Appendix J

LOD Specification

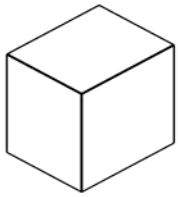
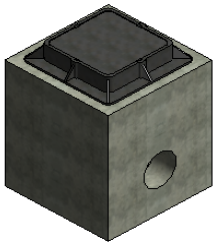
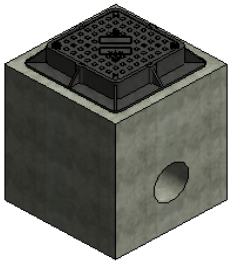
Sewerage Network (Manhole Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

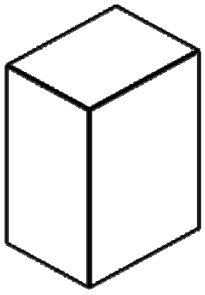
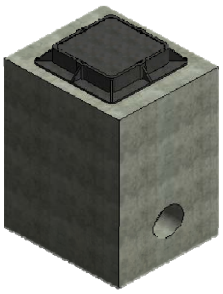
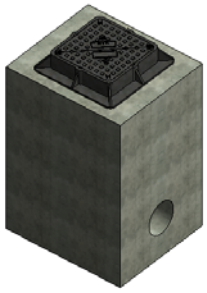
Sewerage Network (Manhole Type B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Trap	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

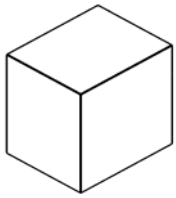
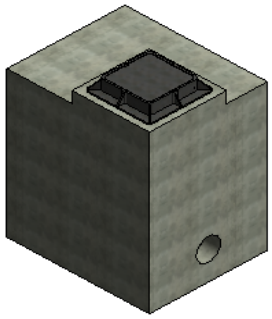
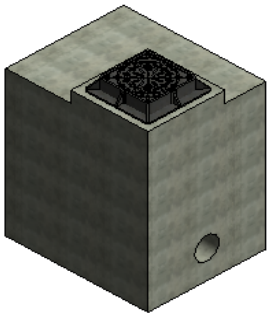
Sewerage Network (Manhole Type C)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

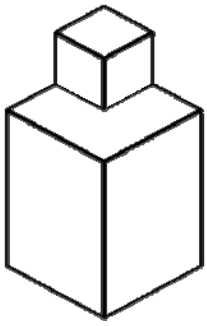
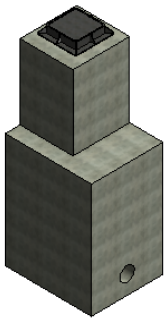
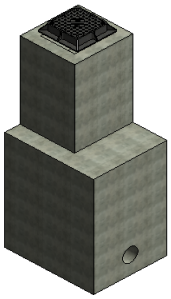
Sewerage Network (Manhole Type D)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	specific

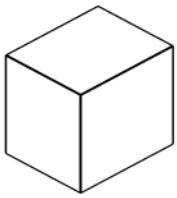
Sewerage Network (Manhole Type E)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

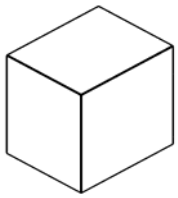
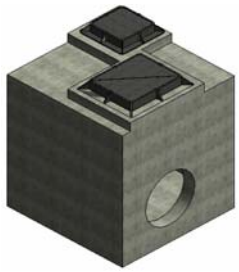
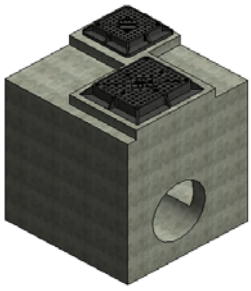
Sewerage Network (Manhole Type F)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

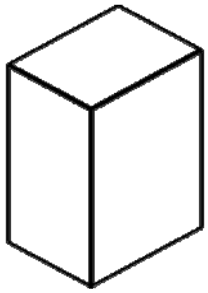
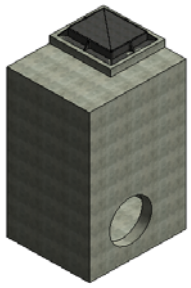
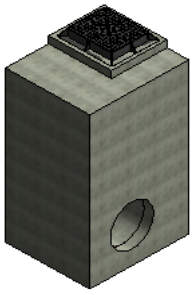
Sewerage Network (Manhole Type G)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron	- Concrete Grade	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

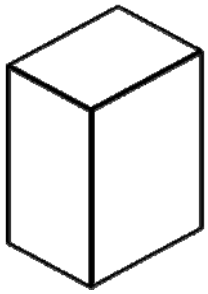
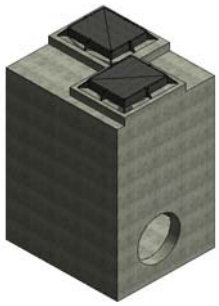
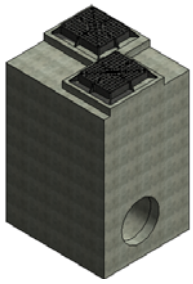
Sewerage Network (Manhole Type G/D)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Desilting cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Detailed desilting cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

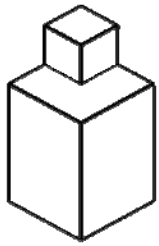
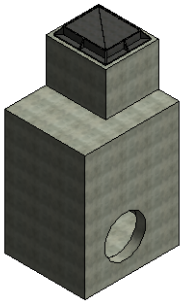
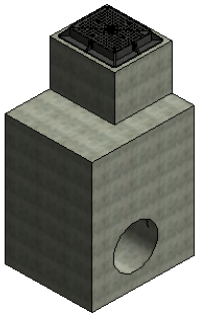
Sewerage Network (Manhole Type H)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron - Stainless steel hook - Foot hole	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

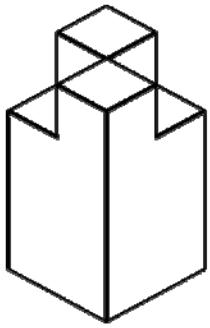
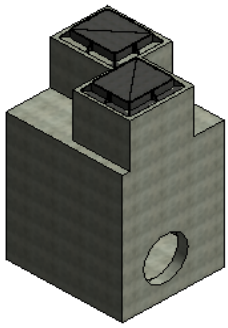
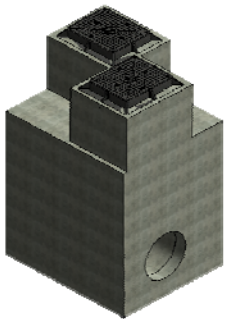
Sewerage Network (Manhole Type H/D)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Desilting cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Detailed desilting cover and frame - Benching - Step iron - Stainless steel hook	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

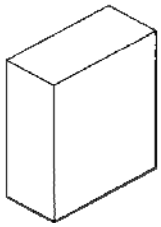
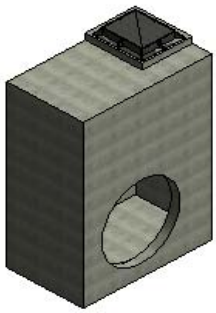
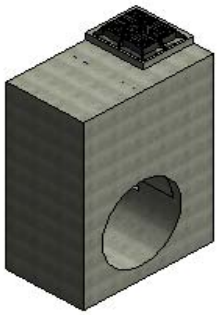
Sewerage Network (Manhole Type I)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Multi-strand poly-propylene nylon rope - Stainless steel hook	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

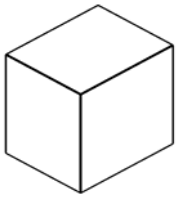
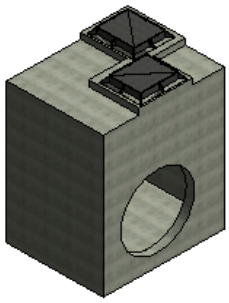
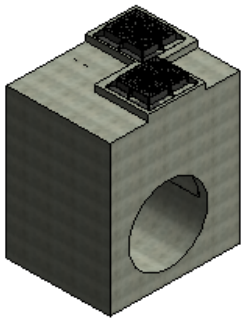
Sewerage Network (Manhole Type I/D)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Desilting cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Detailed desilting cover and frame - Benching - Multi-strand poly-propylene nylon rope - Stainless steel hook	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

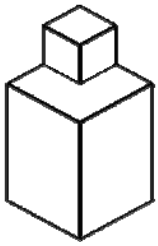
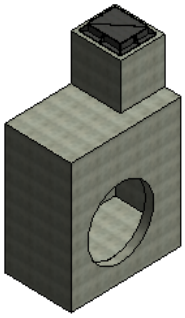
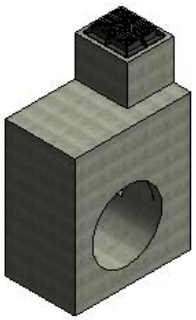
Sewerage Network (Manhole Type J)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Desilting cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron - Stainless steel hook - Foot hole	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

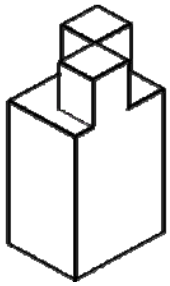
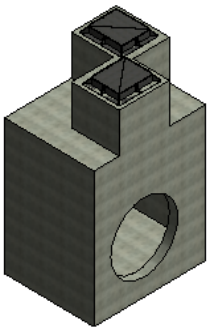
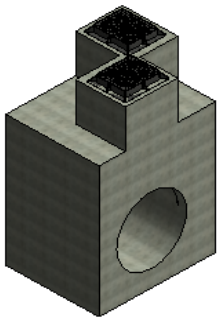
Sewerage Network (Manhole Type J/D)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Desilting cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Detailed desilting cover and frame - Benching - Step iron - Stainless steel hook	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

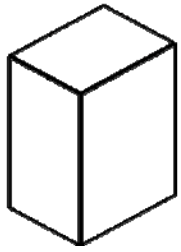
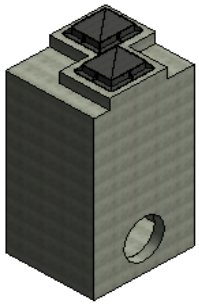
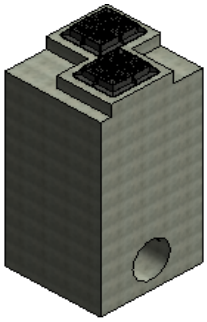
Sewerage Network (Manhole Type K)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron - Stainless steel hook - Foot hole	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

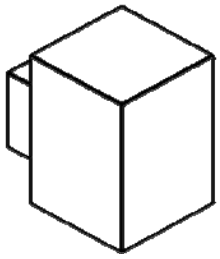
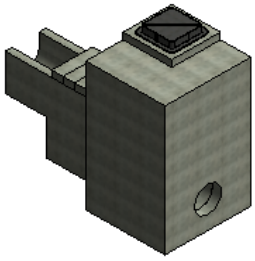
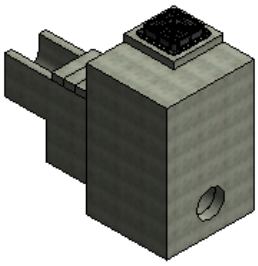
Sewerage Network (Manhole Type K/D)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Desilting cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Detailed desilting cover and frame - Benching - Step iron - Stainless steel hook	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

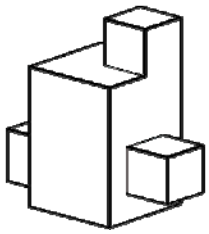
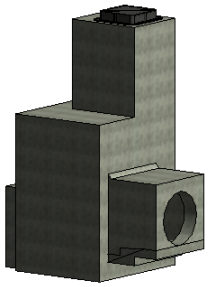
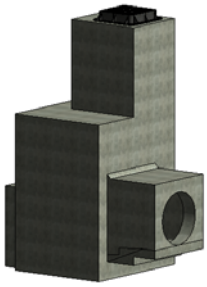
Sewerage Network (Manhole Type L)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Desilting cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Detailed desilting cover and frame - Benching - Step iron - Foot hole - Handrailing - Detachable safety chain with hook and ring	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

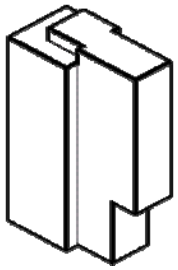
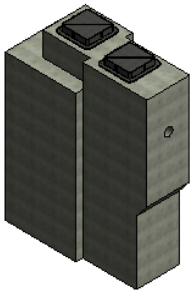
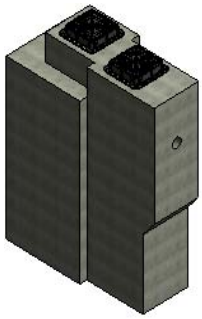
Stormwater Network (Backdrop Manhole Type 1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Precast slab	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Precast slab - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

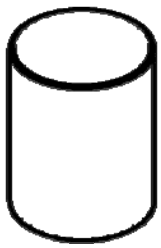
Stormwater Network (Backdrop Manhole Type 2)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Inlet and outlet pipe - Step	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Inlet and outlet pipe - Step - Step iron - Stainless steel hook	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Sewerage Network (Backdrop Manhole Type 3)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Down Pipe	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Down Pipe - Step iron - Stainless steel hook - Foot hole - Steel grille	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

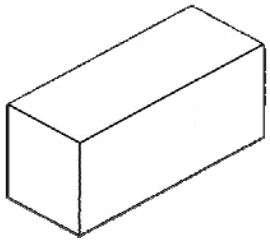
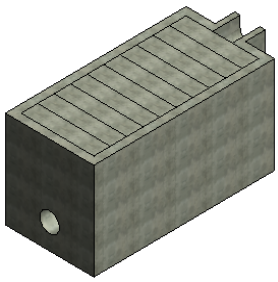
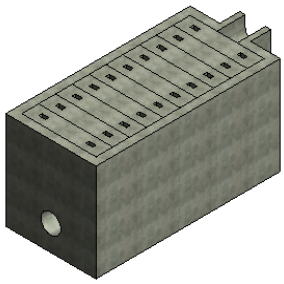
Sewerage Network (Precast Manhole Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron - Foot hole	- Concrete Grade	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

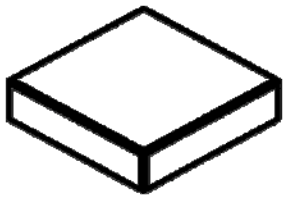
Sewerage Network (Precast Manhole Type B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron - Foot hole	- Concrete Grade	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

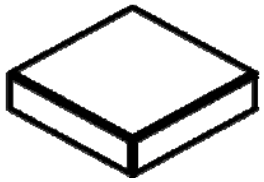
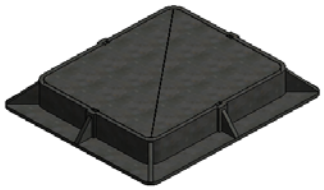
Stormwater Network (Sand Trap)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover slab	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed civer - Baffle wall - Mlld steel bar	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

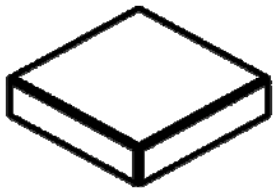
Sewerage Network (Standard Double Triangular Manhole Cover & Frame)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

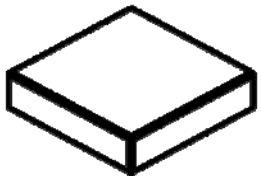
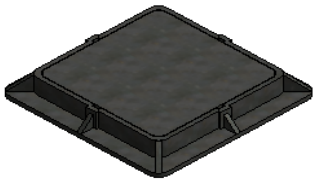
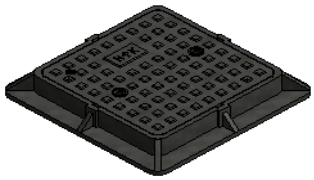
Sewerage Network (675 Square Double Triangular DI M.H. Cover and Frame, Class E600)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

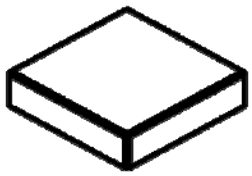
Sewerage Network (Double Seal Terminal Sewer M.H. Cover - Type MA 2-29/29A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed Cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

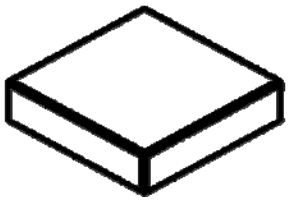
Sewerage Network (Double Seal Terminal Sewer M.H. Cover - Type MA 2-45/45A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

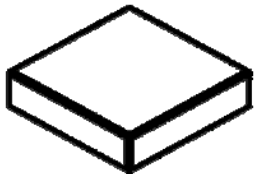
Sewerage Network (Double Seal Terminal Sewer M.H. cover - Type MC 2-29/29A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

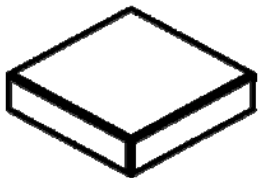
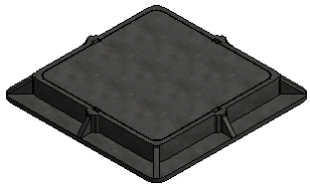
Sewerage Network (Double Seal Terminal Sewer M.H. Cover - Type MC 2-45/45A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Stormwater Network (Double Seal Terminal Stormwater M.H. Cover - Type MA 2-29/29B)

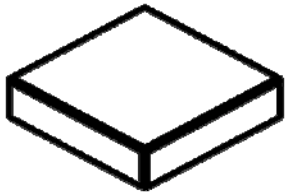
LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Stormwater Network (Double Seal Terminal Stormwater M.H. Cover - Type MA 2-45/45B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

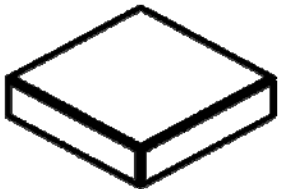
Stormwater Network

(Double Seal Terminal Stormwater M.H. Cover - Type MC 2-29/29B)

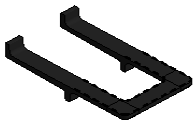
LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Stormwater Network

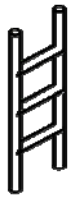
(Double Seal Terminal Stormwater M.H. Cover - Type MC 2-45/45B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Step Iron

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- DSD CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Step	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. also be attached to the model element. The model element to be included: - Step - Nonslip edge	- Length	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation nformation. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Access Ladder for Manhole

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- DSD CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Step - Stainless steel bar	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element to be included: - Step - Stainless steel bar - Additional support	- Length	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

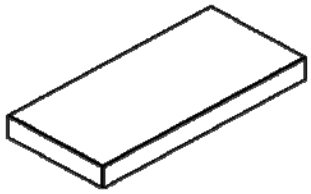
Stormwater Network (Grated Cover and Frame)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Grated cover and frame - Prising slot	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed grated cover and frame - Prising slot - Label	- Length	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

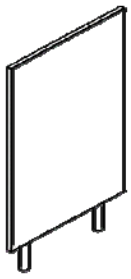
Drainage Services Department Logo

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	N/A	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Logo	N/A	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Logo	N/A	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	N/A	as-built

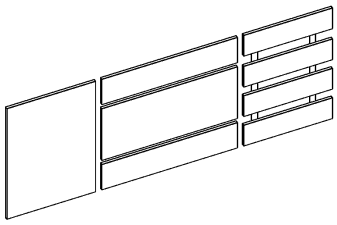
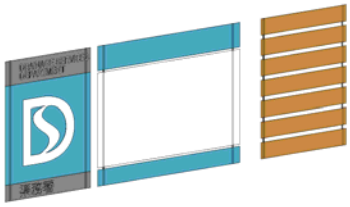
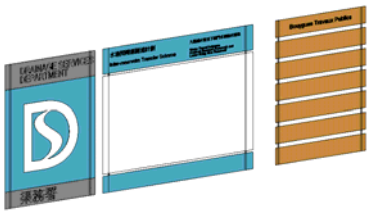
Sewerage Network (Double Seal Terminal Sewer M.H. Cover - Type MC2 - 40/18A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Publicity Board

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	N/A	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Publicity board - Steel member	N/A	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element to be included: - Detailed publicity board - Steel member	N/A	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	N/A	as-built

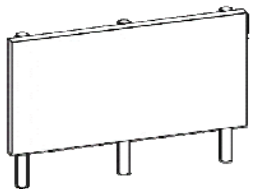
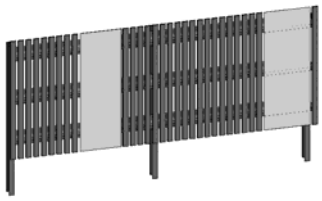
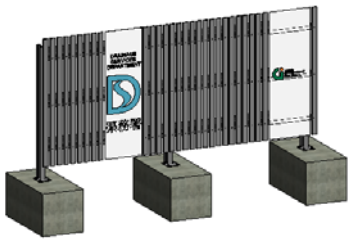
Major Project Signboard

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	N/A	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Signboard - Steel member	N/A	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed signboard - Steel member	N/A	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	N/A	as-built

Minor Project Signboard

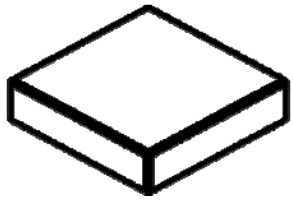
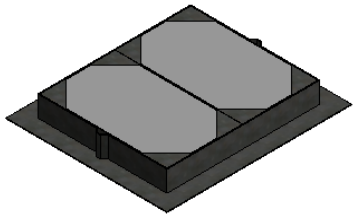
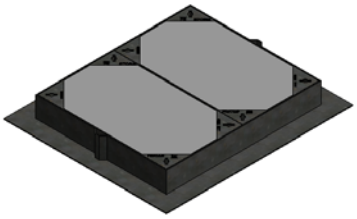
LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	N/A	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Signboard - Steel member	N/A	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed signboard - Steel member	N/A	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	N/A	as-built

Site Hoarding

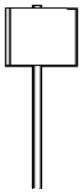
LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	N/A	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Panel - Corrugated steel sheeting	N/A	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element to be included: - Detailed Panel - Corrugated steel sheeting - Post footing	N/A	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	N/A	as-built

Stormwater Network

(Recessed Desilting M.H. Cover and Frame for 750mm x 900mm Opening)

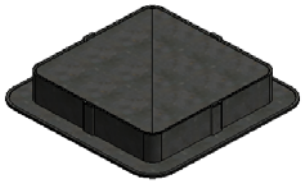
LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Grade indication - Panel and label	- Shape	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Flood Warning Sign

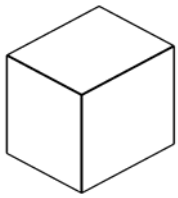
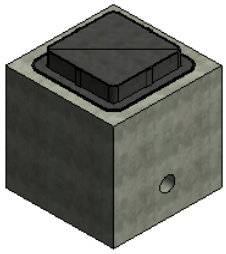
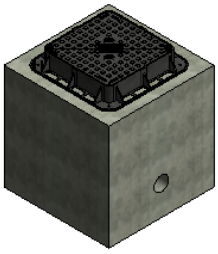
LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	N/A	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Plate and notice board - Post and footing	N/A	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed plate and notice board - Post and footing	N/A	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	N/A	as-built

Stormwater Network

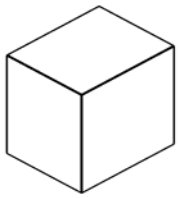
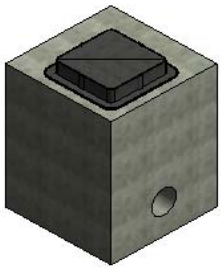
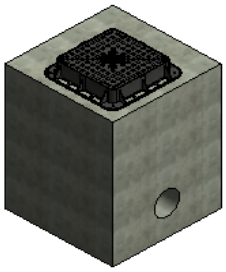
(675 Square Double Triangular DI M.H Cover and Frame, Class E600)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Panel and label	- Shape	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

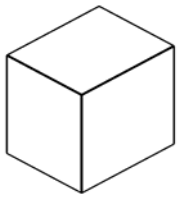
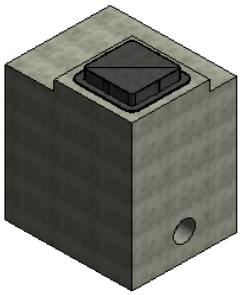
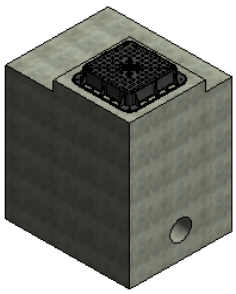
Sewerage Network (Manhole Type C1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

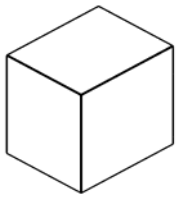
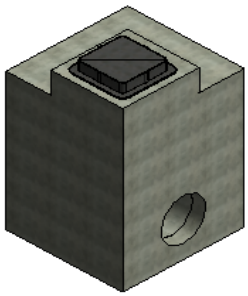
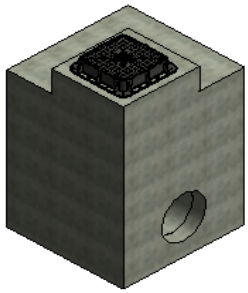
Sewerage Network (Manhole Type D1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

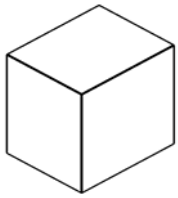
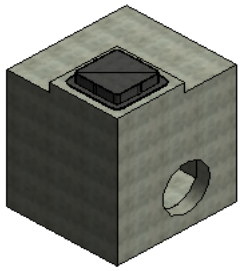
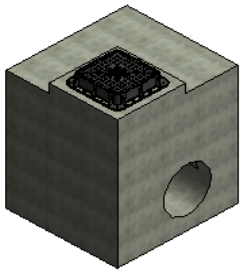
Sewerage Network (Manhole Type E1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

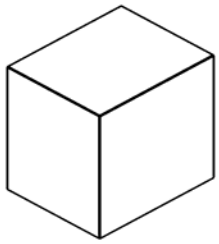
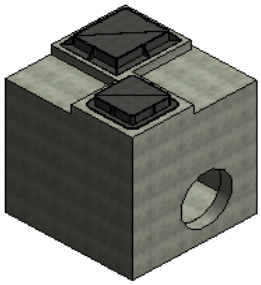
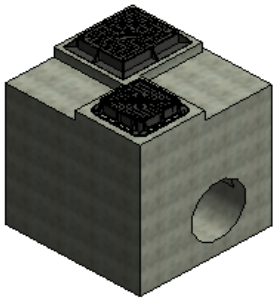
Sewerage Network (Manhole Type F1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

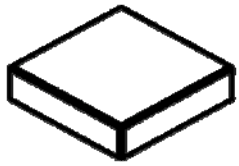
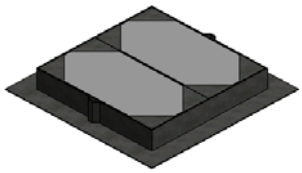
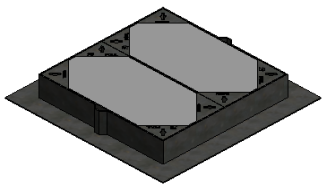
Sewerage Network (Manhole Type G1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

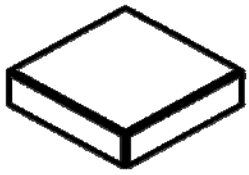
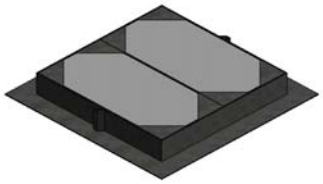
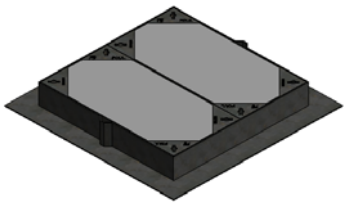
Sewerage Network (Manhole Type G1/D)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Desilting cover and frame	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Detailed desilting cover and frame - Benching - Step iron	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

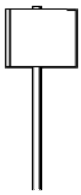
Stormwater Network (675 Square Recessed Single Seal Manhole Cover and Frame)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Grade indication - Panel and label	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

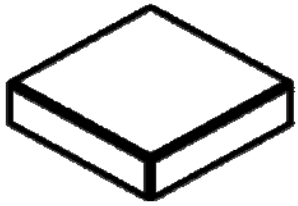
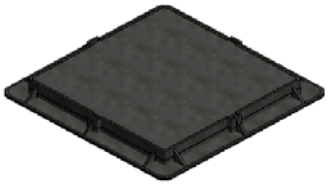
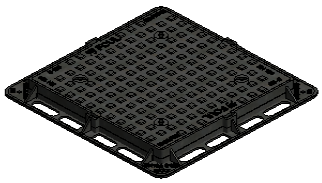
Stormwater Network (675 Square Recessed Double Seal Manhole Cover and Frame)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Grade indication - Panel and label	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

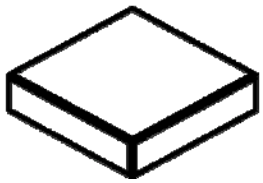
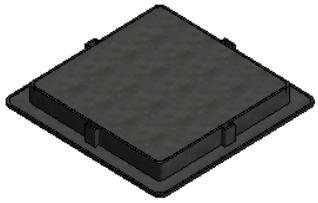
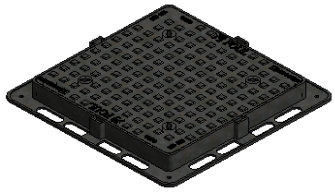
No Entry Sign

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Plate - Post	- Cover Level	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed plate - Post	- Concrete Grade	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

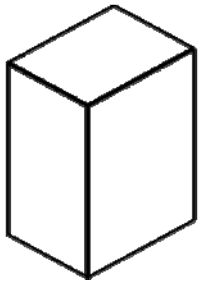
Sewerage Network (675 Square One-Piece DI Double Seal Terminal M.H. Cover and Frame,

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Panel and label - Anchor hole	- Shape	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

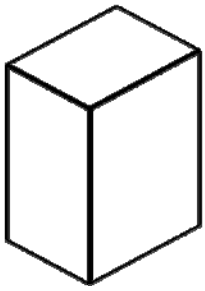
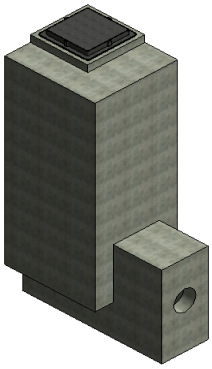
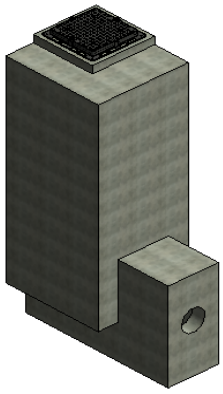
Sewerage Network (675 Square One-Piece DI Double Seal Terminal M.H. Cover and Frame,

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Cover and frame - Prising slot	- Material	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Detailed cover and frame - Prising slot - Keyhole - Raised stud - Grade indication - Anchor hole	- Shape	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

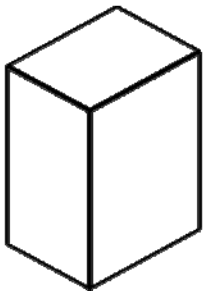
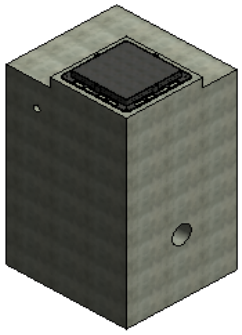
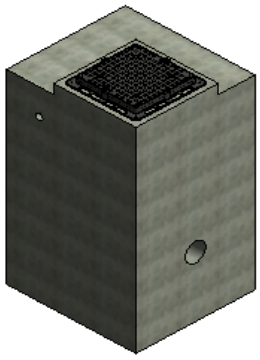
Sewerage Network (Manhole Type T1_1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Trap with rodding arm - Opening for F.A.I.	- Cover Level	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Trap with rodding arm - Opening for F.A.I. - Benching - Step iron - Stainless steel chain	- Concrete Grade	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

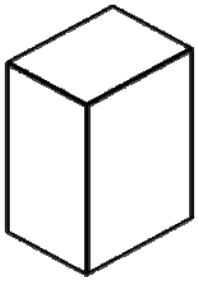
Sewerage Network (Terminal Manhole Type T2_1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: -Slab - Wall - Pipe connector - Cover and frame - Rodding arm - Opening for F.A.I.	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Rodding arm - Opening for F.A.I. - Benching - Step iron - Stainless steel hook - Stainless steel chain	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

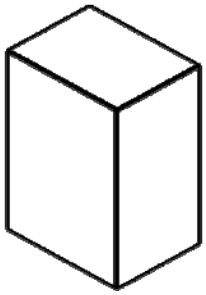
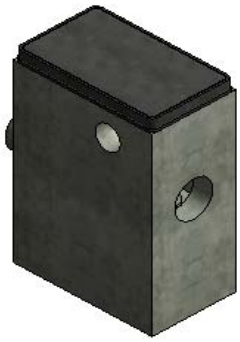
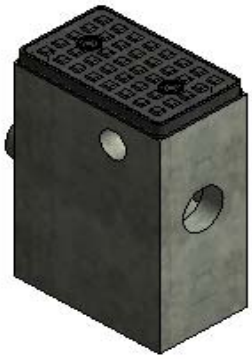
Sewerage Network (Terminal Manhole Type T3_1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Trap with rodding arm - Opening for F.A.I.	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Trap with rodding arm - Opening for F.A.I. - Benching - Step iron - Stainless steel hook	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

Sewerage Network (Terminal Manhole Type T4_1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Trap with rodding arm - Opening for F.A.I.	- Cover Level	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Trap with rodding arm - Opening for F.A.I. - Benching - Rodding arm - Benching - Step iron - Stainless steel hook - Stainless steel chain - Handrailing	- Concrete Grade	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

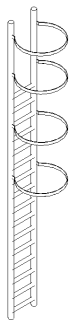
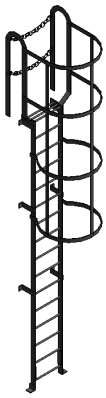
Sewerage Network (Terminal Manhole Type T10_1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Cover and frame - Trap with rodding arm - Opening for F.A.I.	- Cover Level	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element should include: - Slab - Wall - Pipe connector - Detailed cover and frame - Trap with rodding arm - Opening for F.A.I. - Benching - Step iron - Stainless steel chain	- Concrete Grade	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	as-built

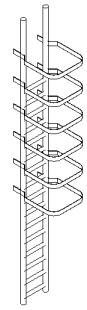
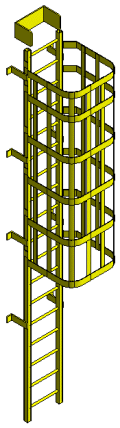
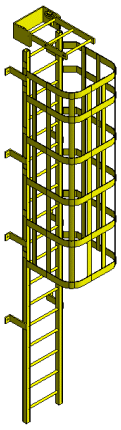
Construction Industry Logo

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	N/A	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Logo and text	N/A	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element to be included: - Logo and text	N/A	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	N/A	as-built

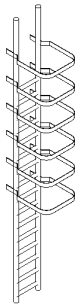
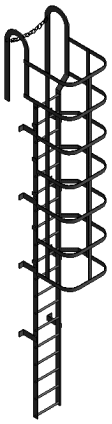
Architectural Element (Cat Ladder - Type A and B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handrail - Safety chain - Safety cage and hoop - Step and bar	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handrail - Safety chain - Safety cage and hoop - Step and bar - Bottom bracket	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

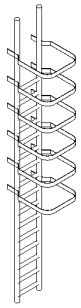
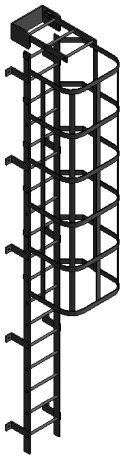
Architectural Element (Cat Ladder - Type C and D)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Safety cage and hoop - Step and bar - Cat ladder extension	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Safety cage and hoop - Step and bar - Detailed cat ladder extension	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

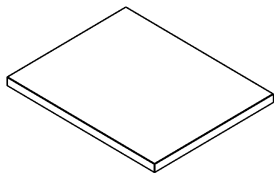
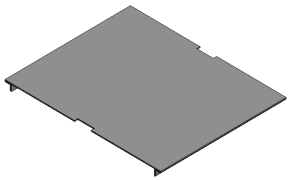
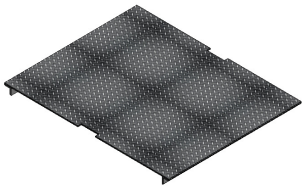
Architectural Element (Cat Ladder - Type E)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handrailing - Safety chain - Safety cage and hoop - Step and bar	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handrailing - Safety chain - Safety cage and hoop - Step and bar - Security panel	- Material	**specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

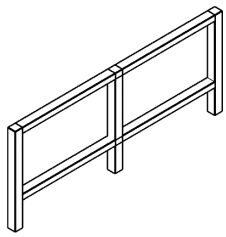
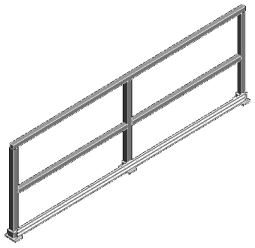
Architectural Element (Cat Ladder - Type F)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Safety cage and hoop - Step and bar - Cat ladder extension	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Safety cage and hoop - Step and bar - Detailed cat ladder extension	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

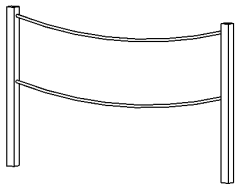
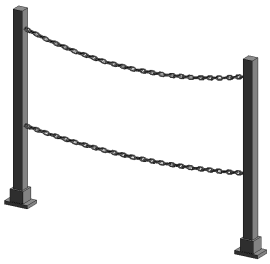
Architectural Element (Chequer Plate Cover and Frame)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Chequer plate cover and frame	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed chequer plate cover and frame	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

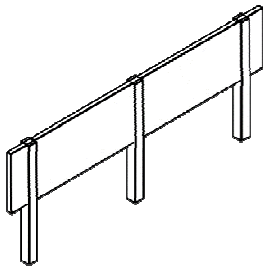
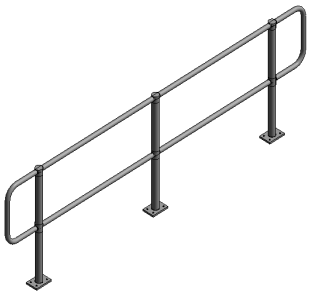
Architectural Element (FRP Handrailing)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handrail - Stanchion	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handrail - Stanchion - Base plate - Kick plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

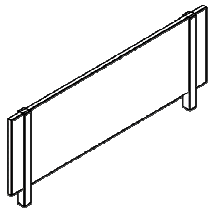
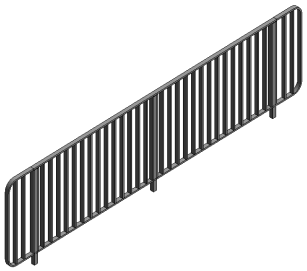
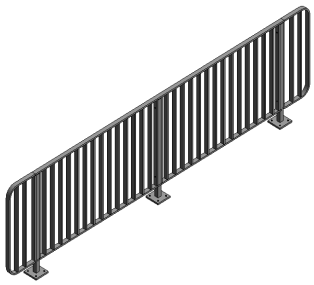
Architectural Element (Handrailing with Safety Chain)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Stanchion - Safety chain	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Stanchion - Detailed safety chain - Base plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

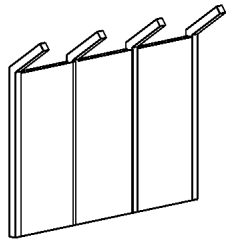
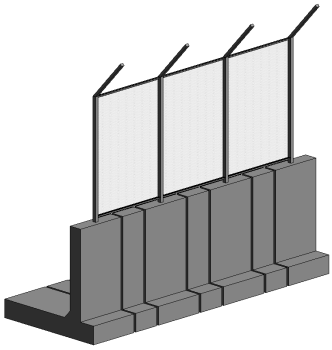
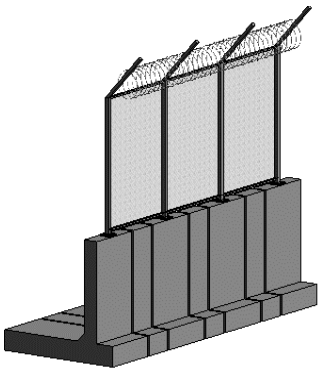
Architectural Element (Aluminum Handrailing)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handrailing - Stanchion	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handrailing - Stanchion - Base plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

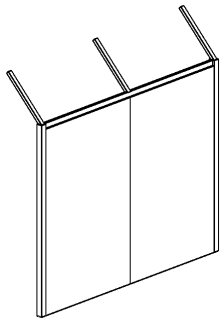
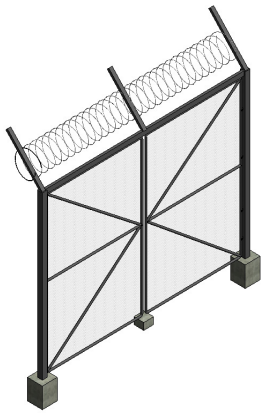
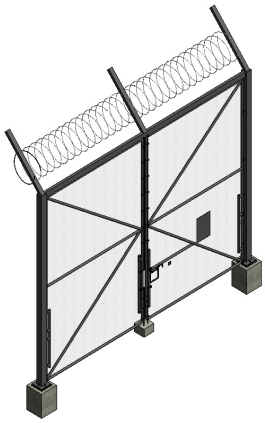
Architectural Element (Handrailing - Type 2A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Main post - Infill post - Frame	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Main post - Infill post - Frame - Base plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

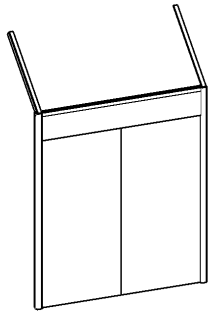
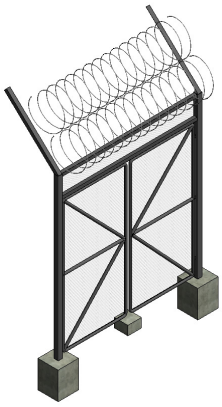
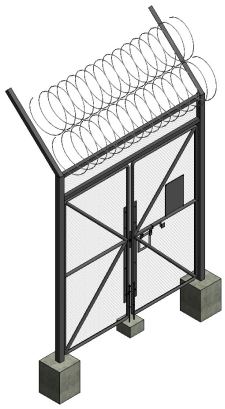
Architectural Element (Boundary Fence)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Kerb and footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Kerb and footing - Razor barber wire - Base plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

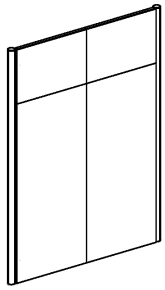
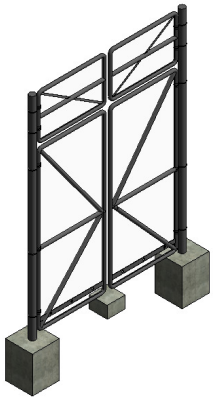
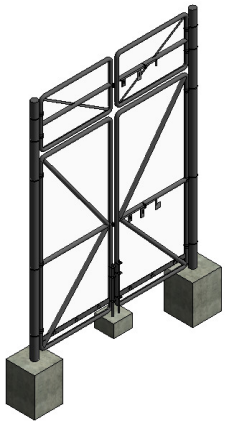
Architectural Element (Vehicular Gate on Boundary Fence)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Razor barber wire - Footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Razor barber wire - Footing - Information plate - Lock - Base plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

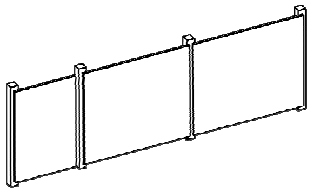
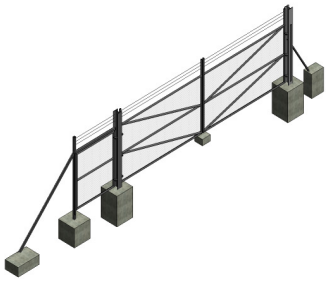
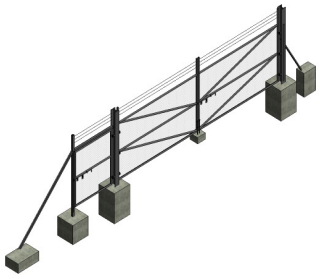
Architectural Element (Pedestrian Gate)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Razor barber wire - Footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and Member - Mesh - Razor barber wire - Footing - Information plate - Lock - Base plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

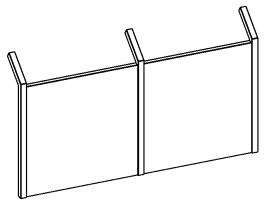
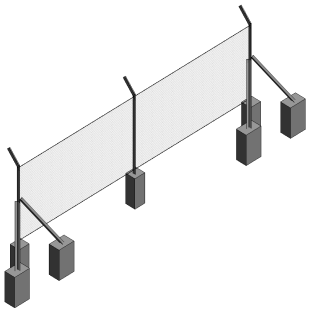
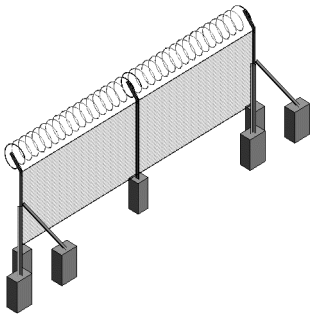
Architectural Element (Access Gate)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Footing - Lock - Base plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

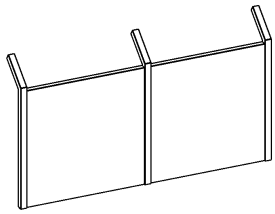
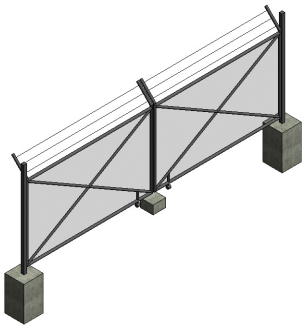
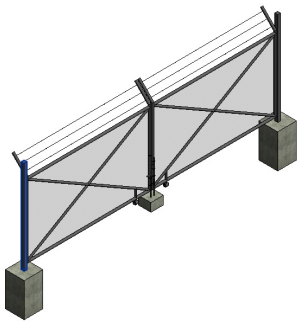
Architectural Element (Chain Link Fence Gate - Type 1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Barber wire - Footing - Chain link fencing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Barber Wire - Footing - Detailed Chain Link Fencing - Lock - Base plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

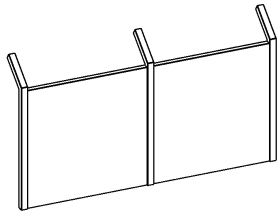
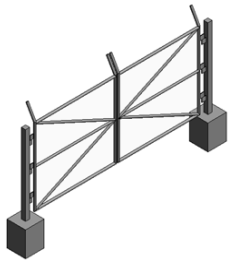
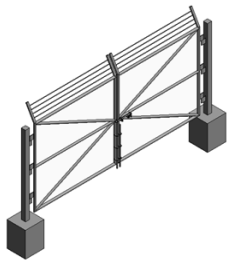
Architectural Element (Chain Link Fence)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Footing - Chain link fencing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Footing - Detailed chain link fencing - Barber Wire	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

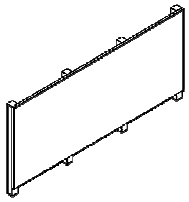
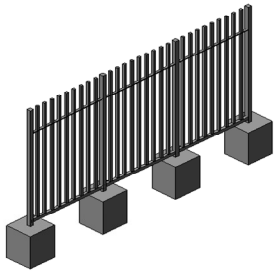
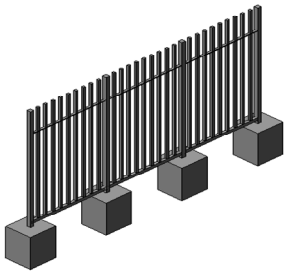
Architectural Element (Chain Link Fence Gate -Type 2)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Barber wire - Footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Barber wire - Footing - Lock	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

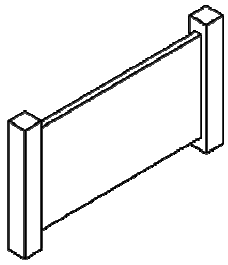
Architectural Element (Chain Link Fence Gate - Type 3)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Mesh - Footing - Barber wire - Lock	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

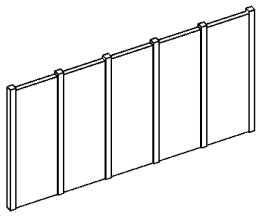
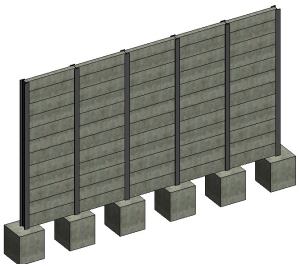
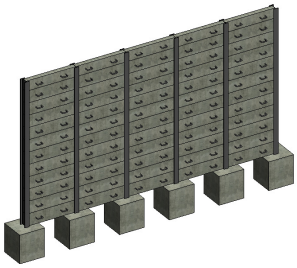
Architectural Element (Hot Dip Galvanized Mild Steel Fence)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- N/A	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element The model element shall include: - Frame and member - Footing	- N/A	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Footing	- N/A	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

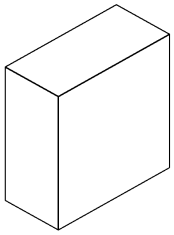
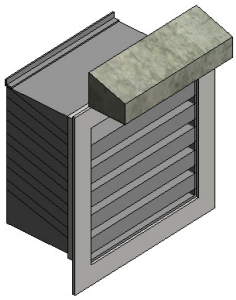
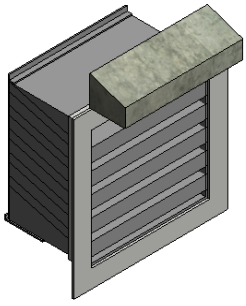
Architectural Element (Entrance Gate)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Support and footing - Gate - Frame and member	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Support and footing - Gate - Detailed frame and member - Signboard - Lock	- Material	**specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

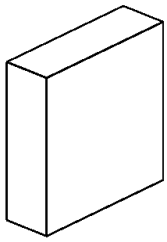
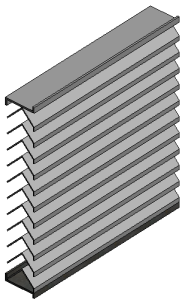
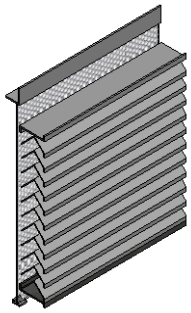
Architectural Element (Flood Protection Gate)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Frame and member - Flood protection block	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Detailed frame and member - Detailed flood protection block	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

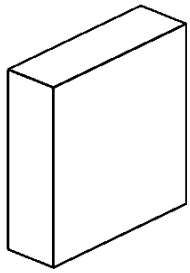
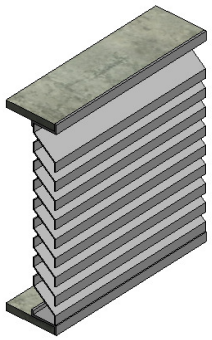
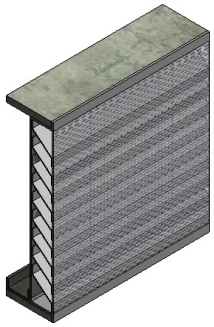
Architectural Element (Acoustic Louvre)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Louvre - Weather throat	- Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Louvre - Weather throat - Wire mesh - Flat bar holder	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

Architectural Element (Louvre - Type 1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Louvre - Half round drip	- Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Louvre - Half round drip - Wire mesh - Flat bar holder	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

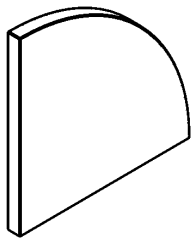
Architectural Element (Louvre - Type 2)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Louvre - Weather throat	- Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Louvre - Weather throat - Bar and plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

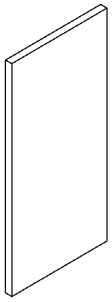
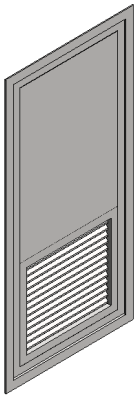
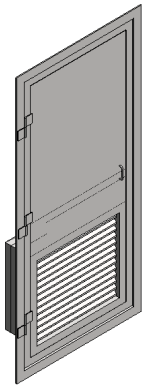
Architectural Element (Brass Domical Grating with Rainwater Downpipe)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	**schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Brass domical grating - Rain water drain pipe	- Level	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed brass domical grating - Rain water drain pipe - Bracket	- Material	**specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

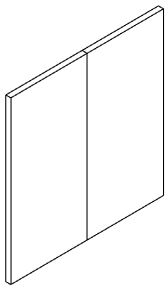
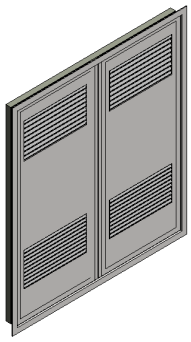
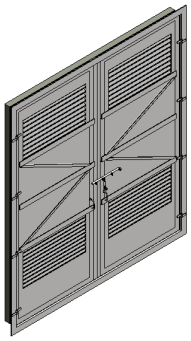
Architectural Element (Security Grille)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flat bar - Rod	- Level	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flat bar - Rod with arrow head	- Material	**specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

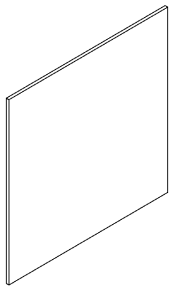
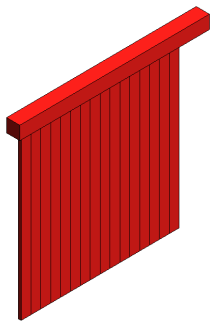
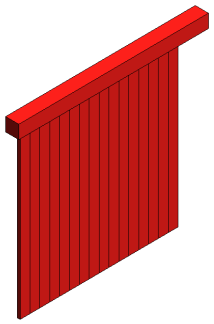
Architectural Element (Single Leaf Door - Type 1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and support - Louvre - Main door	- Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed Frame and support - Detailed Louvre - Main door - Handle - Hinge	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

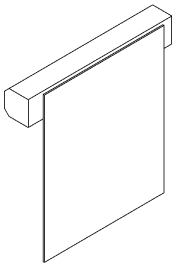
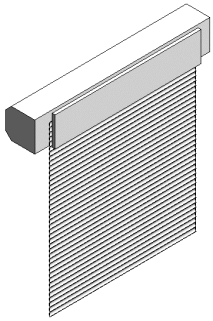
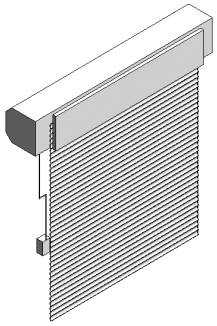
Architectural Element (Double Leaf Door - Type 1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and support - Louvre - Main door	- Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed Frame and support - Detailed Louvre - Main door - Handle - Hinge - Lock bar and lock plate	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

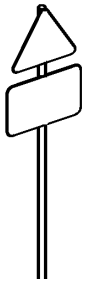
Architectural Element (Folding Door - Type 1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and support - Door panel - Canopy	- Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and support - Door panel - Canopy - Lock and housing	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

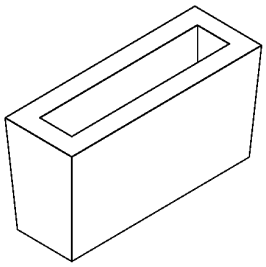
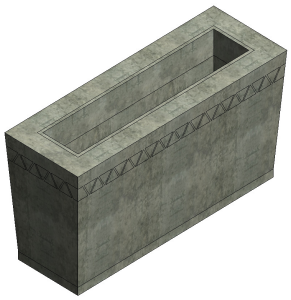
Architectural Element (Roller Shutter - Type 1)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Roller Shutter Holder - Door Panel	- Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Roller Shutter Holder - Door Panel - Locking Device	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

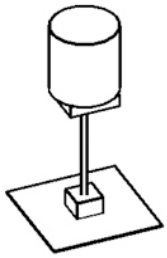
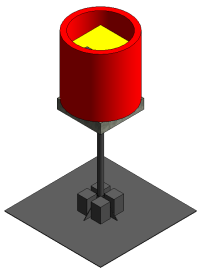
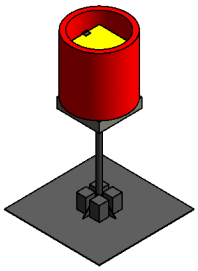
Structural Element (Flood Warning Sign - Home Affairs Department)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Post and footing - Plate and notice board	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Post and footing - Detailed plate and notice board	- Material	**specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

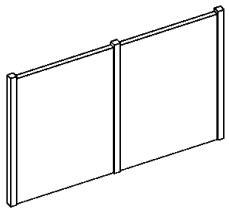
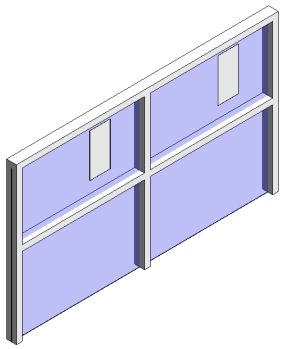
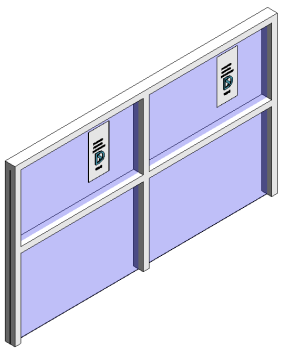
Structural Element (Flower Pot)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Drain pipe	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Drain pipe - Groove - Hook - Finish	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

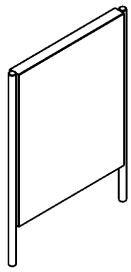
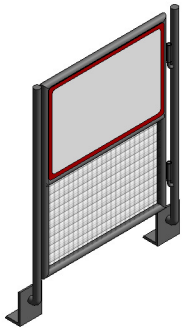
Structural Element (Geotechnical Instrumentation)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Base plate - Block and casing - Support - Box	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Base plate - Block and casing - Detailed support - Detailed box	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

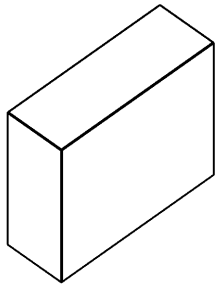
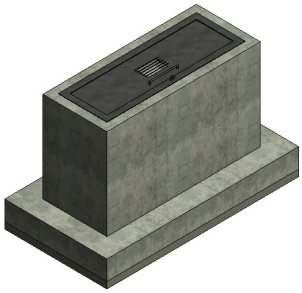
Structural Element (Hoarding -Type A and B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Panel	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and members - Detailed Panel - Logo Panel	- Asset Code	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

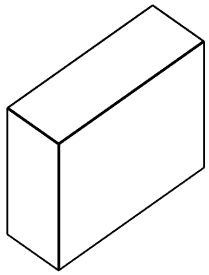
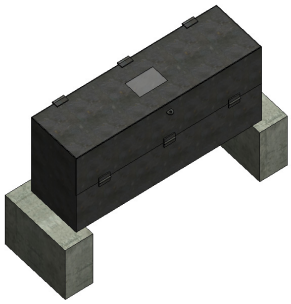
Architectural Element (Lockable Gate with Notice Board and No Entry Sign at Handrailing)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Notice board	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame and member - Detailed notice board - Lock	- Material	**specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

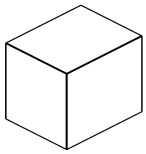
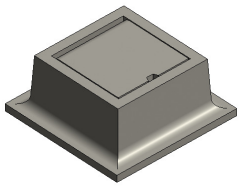
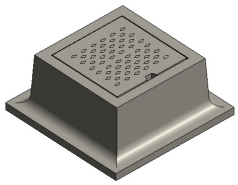
Structural Element (Water Meter Box - Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Cover	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Cover - Footing - Handle - Plate for padlock - Opening for pipe	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

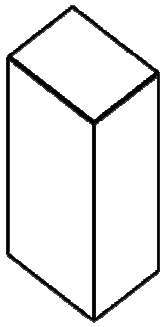
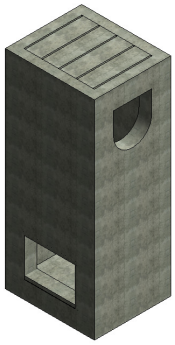
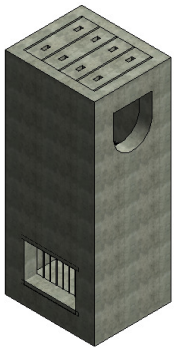
Structural Element (Water Meter Box - Type B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Water meter box - Opening	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Water meter box - Opening - Footing - Hinge - Plate for padlock	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

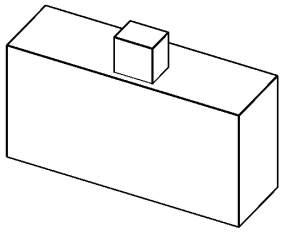
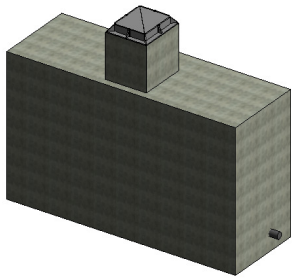
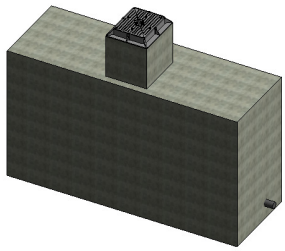
Structural Element (C.I. Cover and Frame)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Cover	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Detailed cover	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

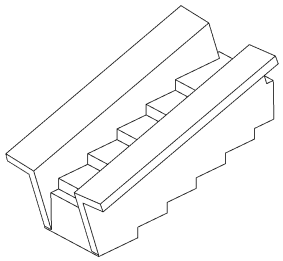
Stormwater Network (Catchpit - Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Cover - Opening	- Cover Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Detailed cover - Opening with grille - Step Iron	- Concrete Grade	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

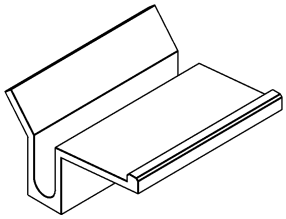
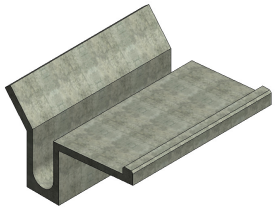
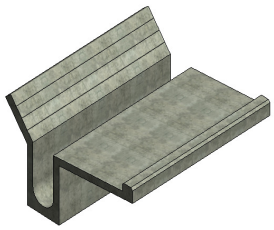
Stormwater Network (Flow Meter Chamber)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Cover and frame - Sump pit	- Cover Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Detailed cover and frame - Sump pit - Cat ladder	- Concrete Grade	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

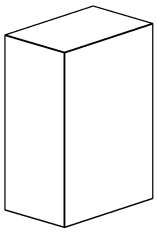
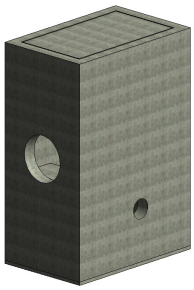
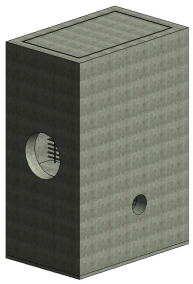
Stormwater Network (Stepped Channel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Stepped channel - Facing	- Cover Level	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Stepped channel - Detailed facing	- Concrete Grade	**specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

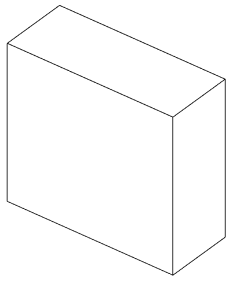
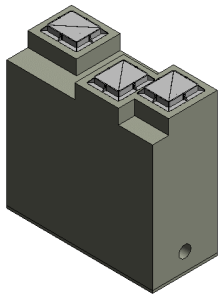
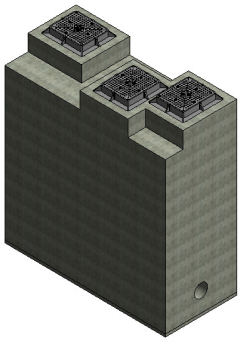
Stormwater Network (U-Channel - Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - U-channel - Facing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - U-channel - Detailed facing	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

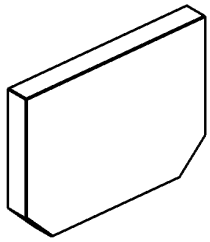
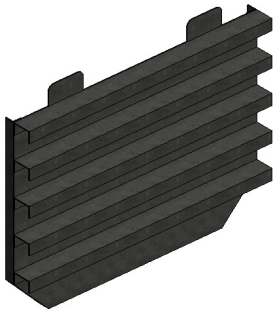
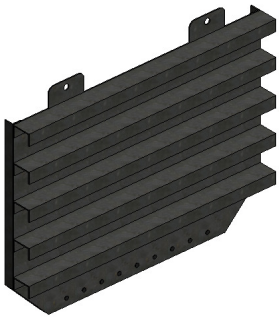
Stormwater Network (Dry Weather Flow Interceptor with Tidal Weir)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Multi-part cover and frame	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Multi-part cover and frame - Cat ladder - Valve and weir - Bar screen	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

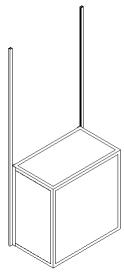
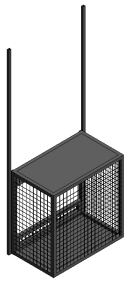
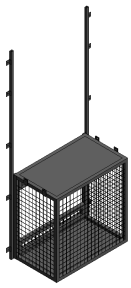
Stormwater Network (Dry Weather Flow Interceptor without Tidal Weir)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Cover and frame	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Detailed cover and frame - Step iron - Valve and weir	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

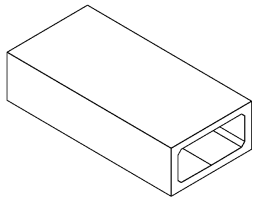
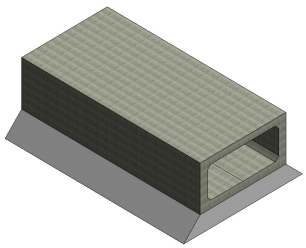
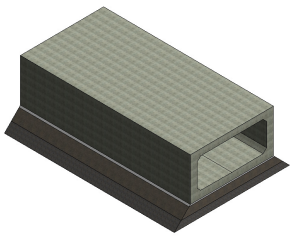
Stormwater Network (Weir)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Steel member	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed steel member - Anchor slot	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

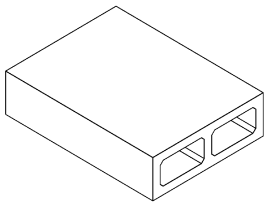
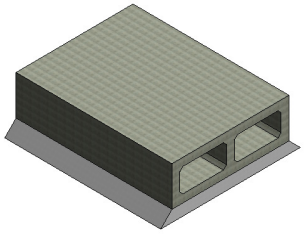
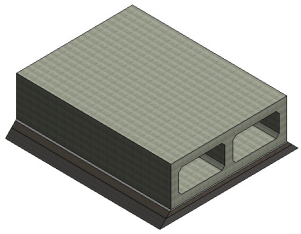
Stormwater Network (Basket Screen)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Basket screen - Guide rail	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Basket screen - Detailed guide rail - Lifting lug	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

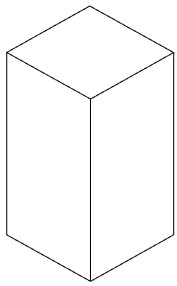
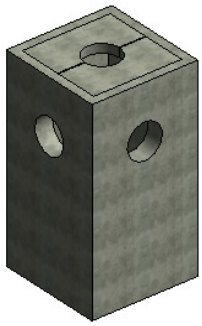
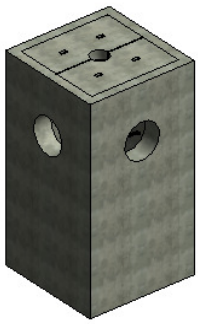
Stormwater Network (Box Culvert Single-Cell - Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Splay - Fill material	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Splay - Detailed fill material - Blinding layer	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

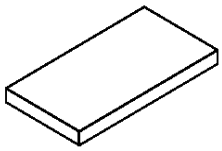
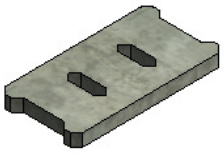
Stormwater Network (Box Culvert Twin-Cell - Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Splay - Fill material	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Splay - Detailed fill material - Blinding layer	- Materials	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

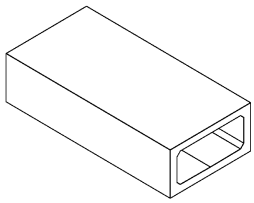
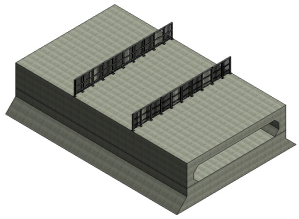
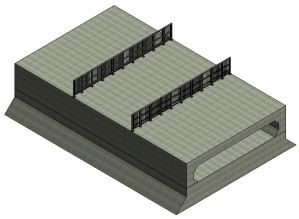
Stormwater Network (Catchpit Type - B and C)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Cover - Opening	- Cover Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Detailed cover - Opening - Step Iron	- Concrete Grade	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

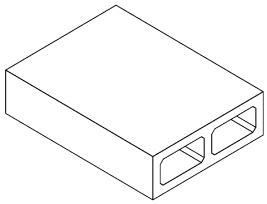
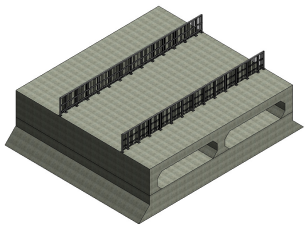
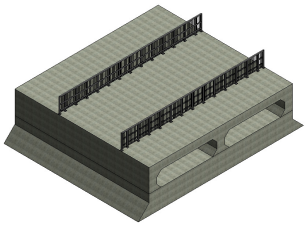
Stormwater Network (Precast Concrete Cover for U-channel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Corner fillets	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Corner fillets - Opening	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

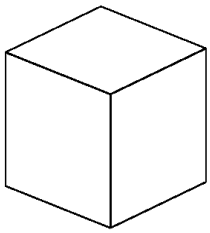
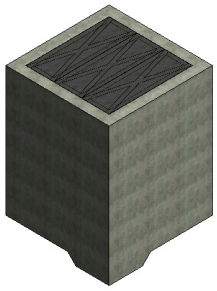
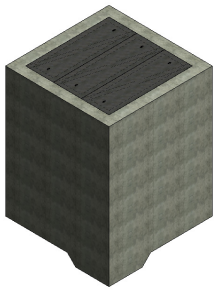
Stormwater Network (Box Culvert Single-Cell - Type B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Splay - Fill material - Handrailing	- Cover level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Splay - Detailed fill material - Handrailing - Blinding layer	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

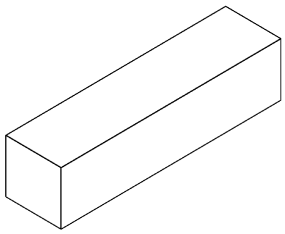
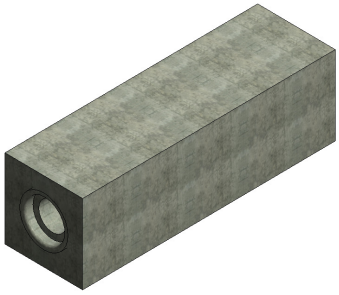
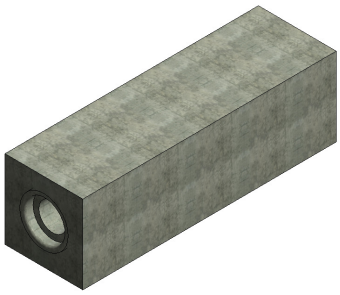
Stormwater Network (Box Culvert Twin-Cell - Type B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- Drainage System Type	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Splay - Fill material - Handrailing	- Cover Level	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Splay - Detailed fill material - Handrailing - Blinding layer	- Concrete Grade	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

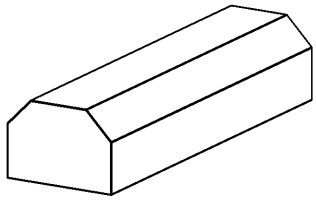
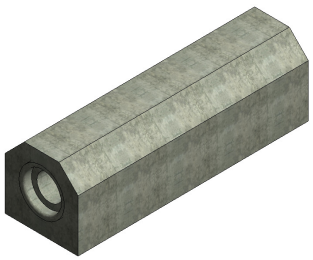
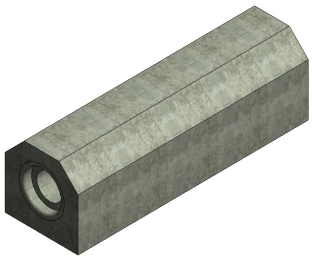
Stormwater Network (Valve Chamber)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pump Sump - Cover	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pump Sump - Detail Cover	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

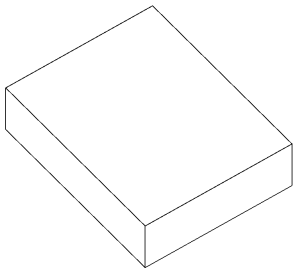
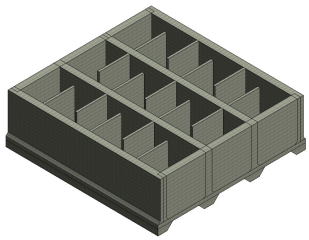
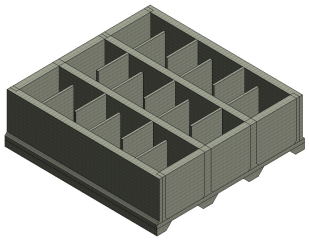
Civil Element (Precast Concrete Pipe - Type A with Concrete Surround A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe - Bedding	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe - Bedding	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

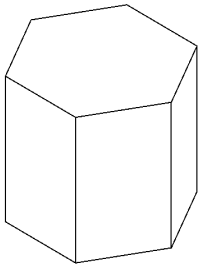
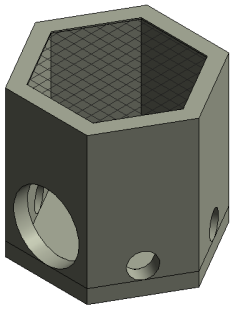
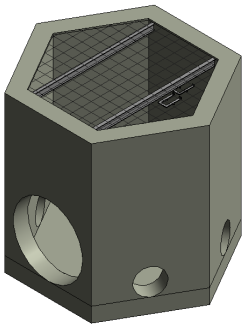
Civil Element (G.R.P. Lined Concrete Pipe - Type B with Concrete Surround B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe - Bedding	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe - Bedding	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

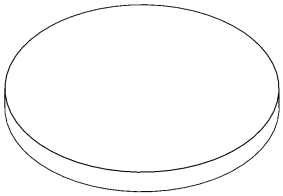
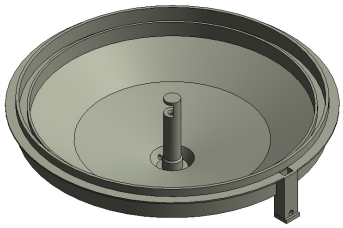
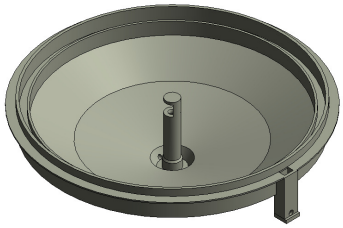
Civil Element (Aeration Tank)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Baffle wall - Footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Baffle wall - Footing	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

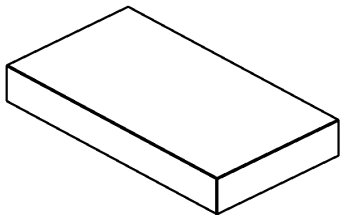
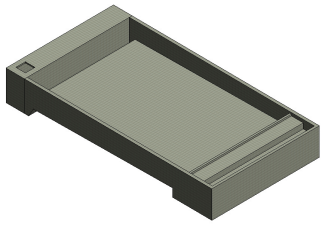
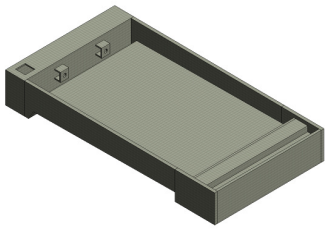
Civil Element (Effluent Collection Chamber)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Step iron - Mesh flooring	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Step iron - Mesh flooring with support	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	**as-built**

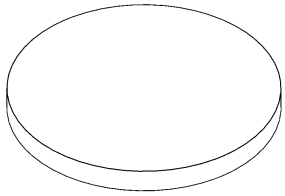
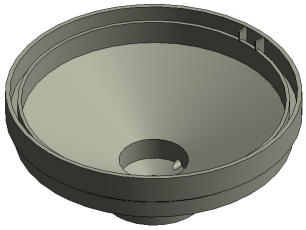
Civil Element (Final Clarifier, Circular)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Effluent chamber	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Effluent chamber - Step iron	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

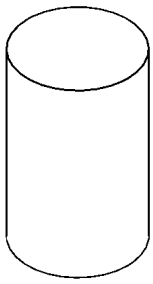
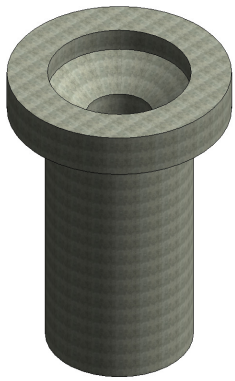
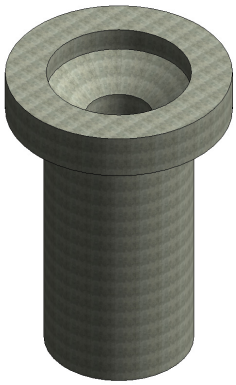
Civil Element (Primary Sedimentation Tank, Rectangular)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- DSD CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Diffusion box - Footing	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	**as-built**

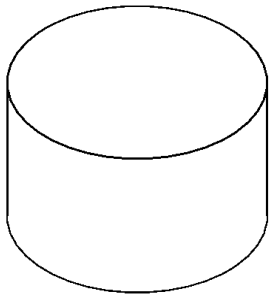
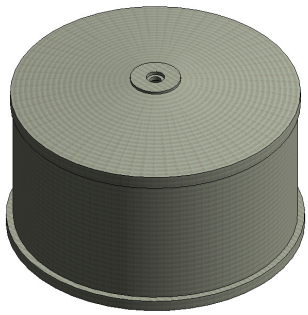
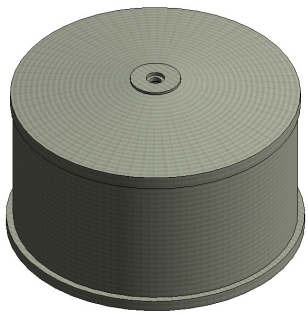
Civil Element (Primary Sedimentation Tank, Circular)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Footing	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Stop board - Footing	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

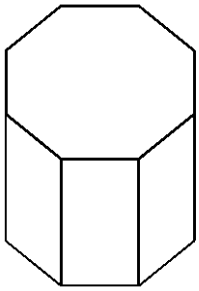
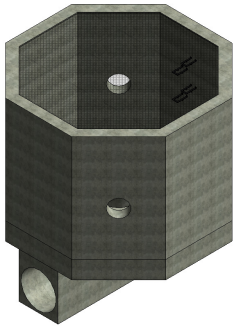
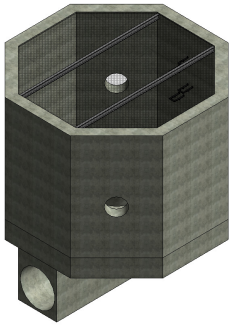
Civil Element (Grip Trap)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

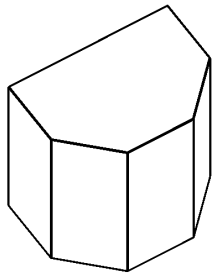
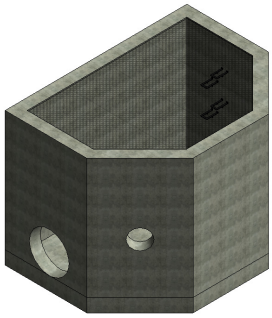
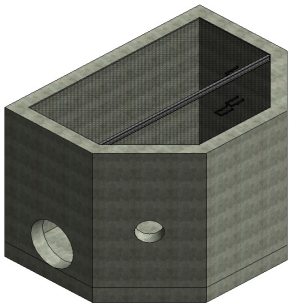
Civil Element (Sludge Digestion Tank)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Base slab - Wall - Top slab - Footing	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Base slab - Wall - Top slab - Footing	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

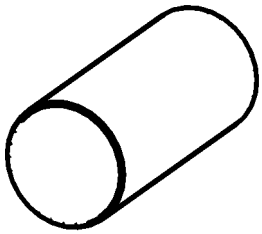
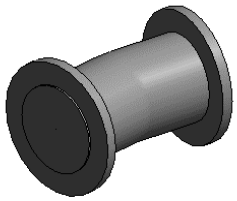
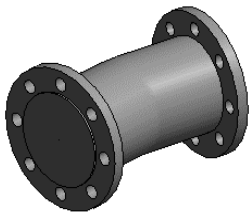
Civil Element (Sludge Distribution Chamber)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element The model element shall include: - Slab - Wall - Pipe connector - Step iron - Thrust block - Mesh flooring	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Step iron - Thrust block - Mesh flooring with support	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

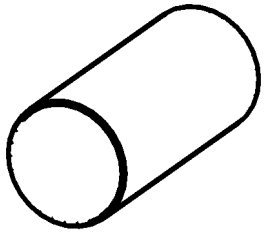
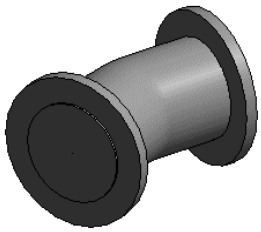
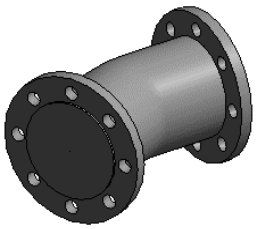
Civil Element (Sludge Draw-off Chamber)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Step iron - Mesh flooring	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Pipe connector - Step iron - Mesh flooring with support	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

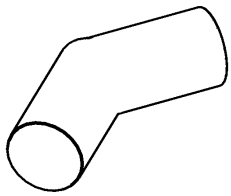
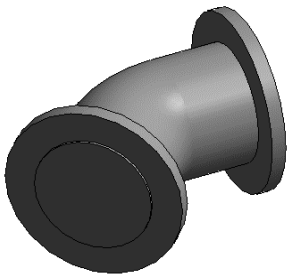
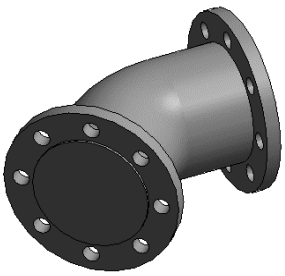
Civil Element (Pipe Fitting - Double Flange 11.25° Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Flange	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Detailed flange	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

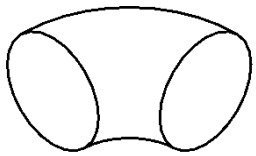
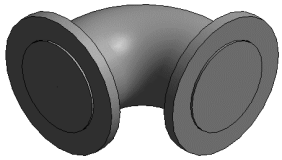
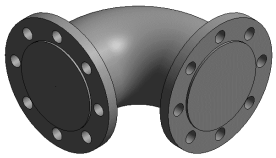
Civil Element (Pipe Fitting - Double Flange 22.5° Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: -Pipe elbow -Flange	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Detailed flange	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

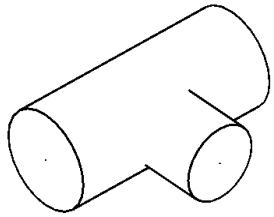
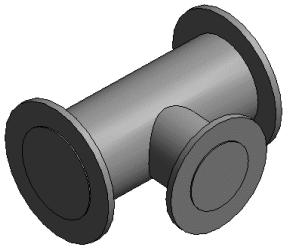
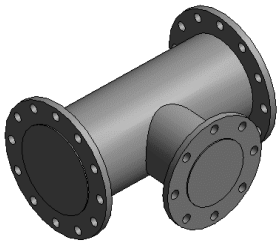
Civil Element (Pipe Fitting - Double Flange 45° Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Flange	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Detailed flange	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

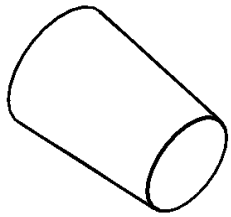
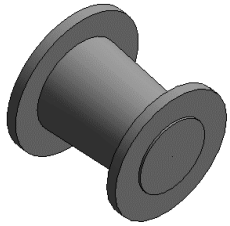
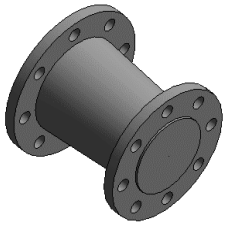
Civil Element (Pipe Fitting - Double Flange 90° Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Flange	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Detailed flange	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

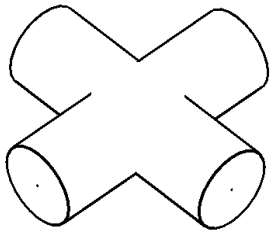
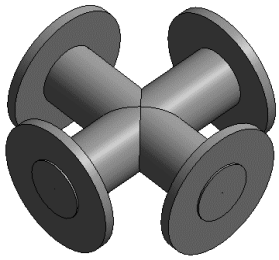
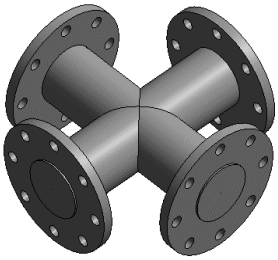
Civil Element (Pipe Fitting - Double Flange Tee)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe tee - Flange	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe tee - Detailed flange	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

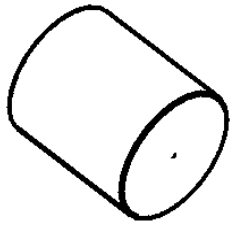
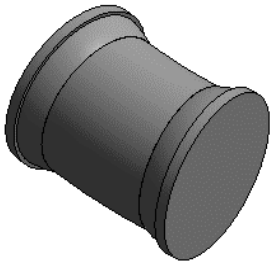
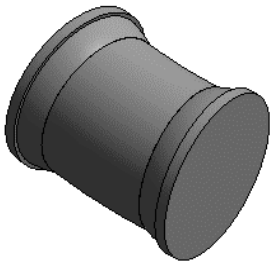
Civil Element (Pipe Fitting - Double Flange Reducer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe reducer - Flange	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe reducer - Detailed flange	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

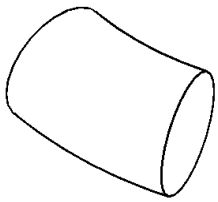
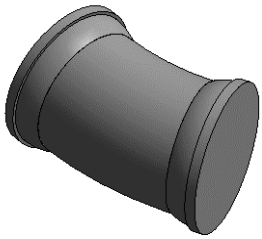
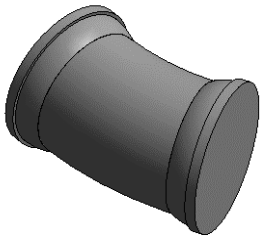
Civil Element (Pipe Fitting - Double Flange Cross)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe cross - Flange	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe cross - Detailed flange	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

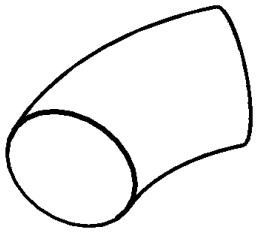
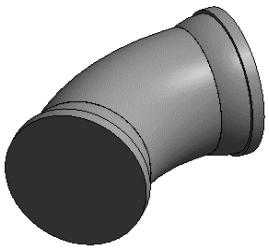
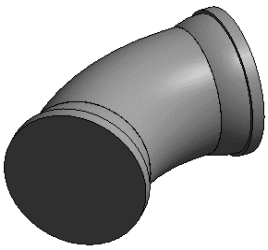
Civil Element (Pipe Fitting - Socket Fitting 11.25° Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

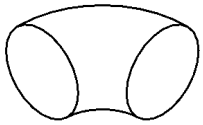
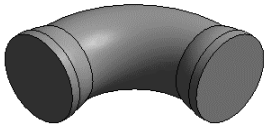
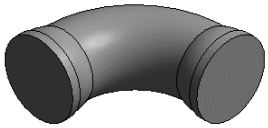
Civil Element (Pipe Fitting - Pipe Fitting - Socket Fitting 22.5° Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

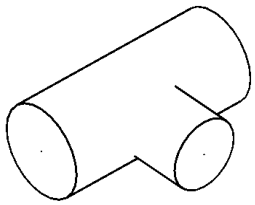
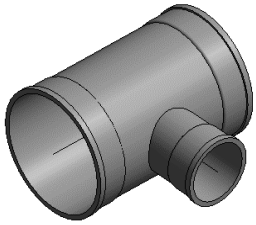
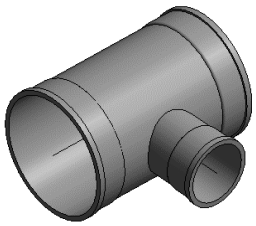
Civil Element (Pipe Fitting - Socket Fitting 45° Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

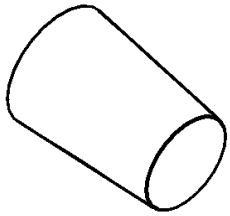
Civil Element (Pipe Fitting - Socket Fitting 90° Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

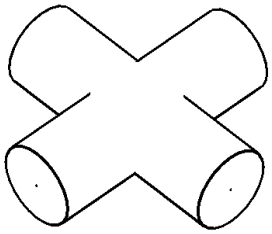
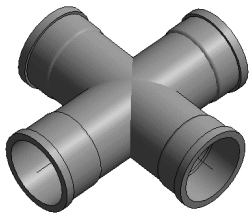
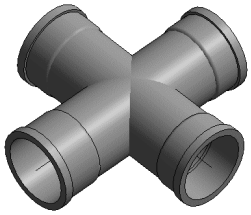
Civil Element (Pipe Fitting - Socket Fitting Tee)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe tee	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe tee	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

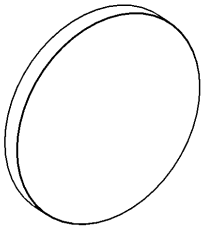
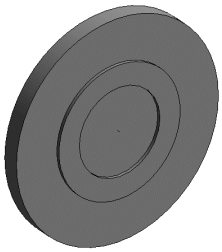
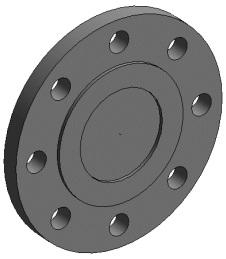
Civil Element (Pipe Fitting - Socket Fitting Reducer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- DSD CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe reducer	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe reducer	- Material	**specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	**as-built**

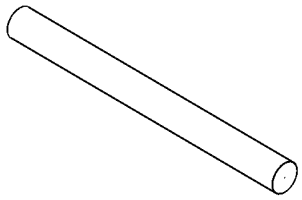
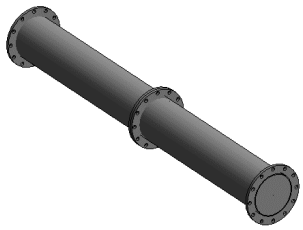
Civil Element (Pipe Fitting - Socket Fitting Cross)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe cross	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe cross	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

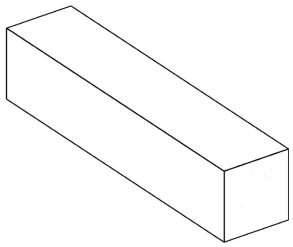
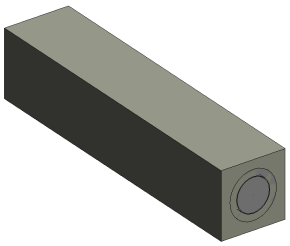
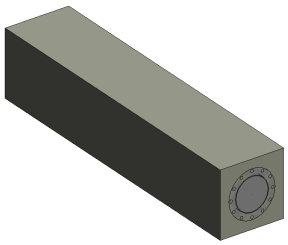
Civil Element (Pipe Fitting - Flange End Cap)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange end cap	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange end cap	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

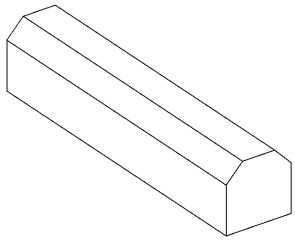
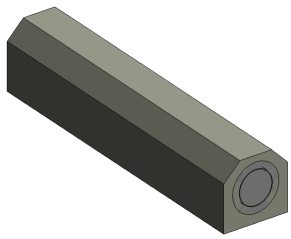
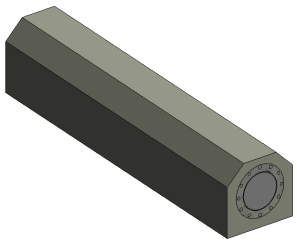
Civil Element (Flange Pipe)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange pipe	- Asset Code	**generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange pipe	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

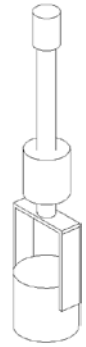
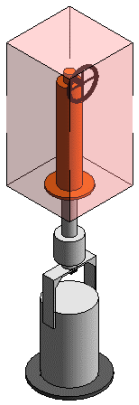
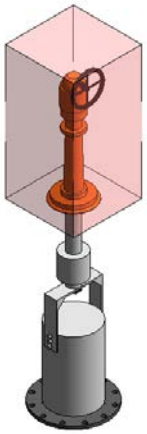
Civil Element (Flange Pipe with Concrete Surround A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe - Pipe flange - Bedding	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe - Detailed pipe flange - Bedding	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

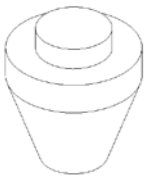
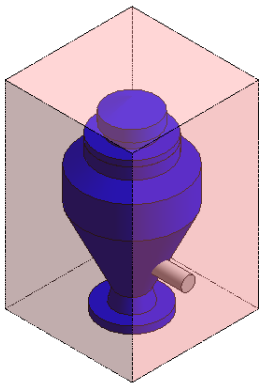
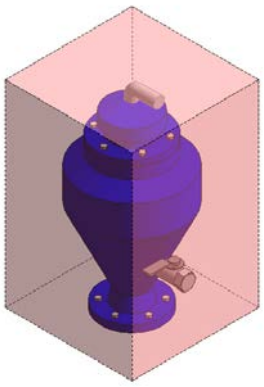
Civil Element (Flange Pipe with Concrete Surround B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 **schematic**
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe - Pipe flange - Bedding	- Asset Code	 **generic**
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe - Detailed flange pipe - Bedding	- Material	 **specific**
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Handover Date	**as-built**

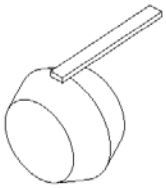
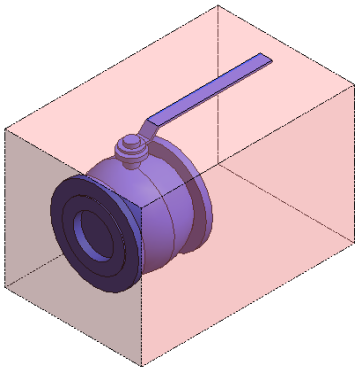
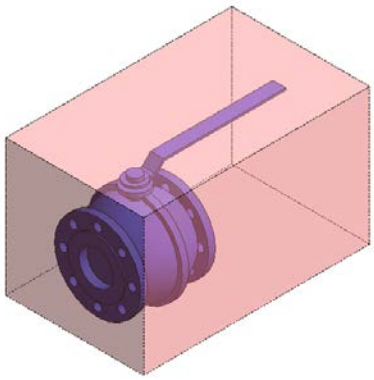
Mechanical Element (Adjustable Telescopic Valve)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Stem - Pedestal - Valve body - Flange - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Stem - Detailed pedestal - Detailed valve body - Detialed flange - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

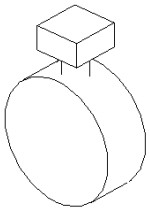
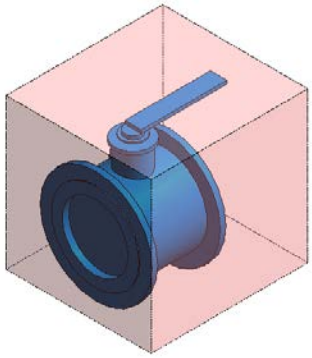
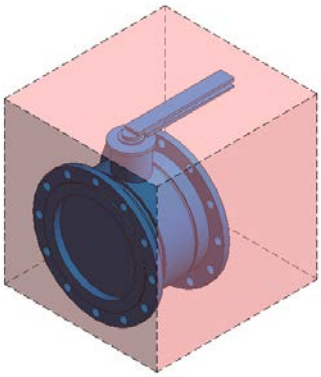
Mechanical Element (Air Release Valve)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Valve body - Flange - Drain valve - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed valve body - Detialed flange - Detailed drain valve - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

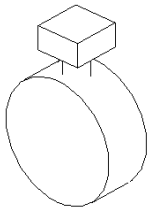
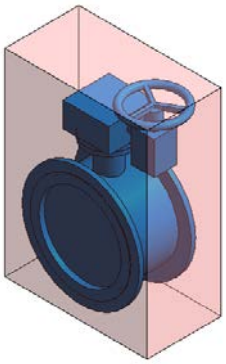
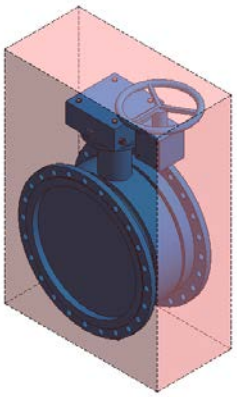
Mechanical Element (Ball Valve)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Lever - Valve body - Flange - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Lever - Detailed valve body - Detialed flange - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

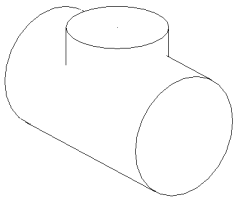
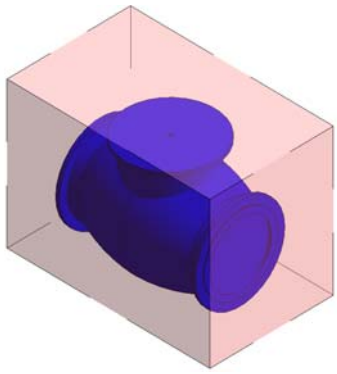
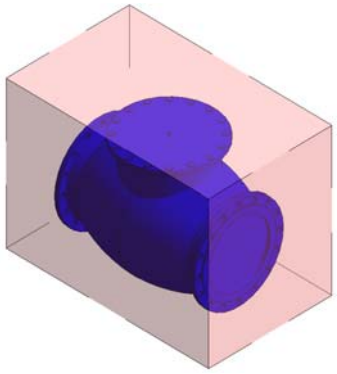
Mechanical Element (Butterfly Valve - DN80 to DN300)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Lever - Valve body - Flange - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed lever - Detailed valve body - Detialed flange - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

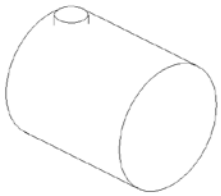
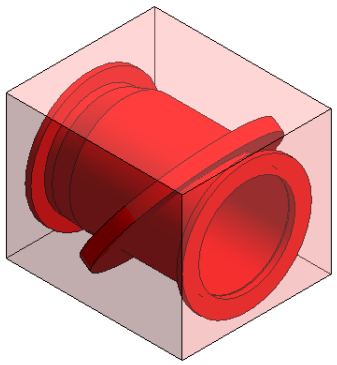
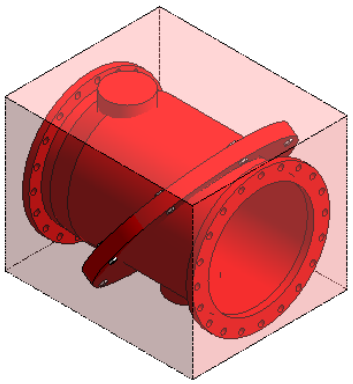
Mechanical Element (Butterfly Valve - DN350 to DN3000)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Valve body - Flange - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Detailed valve body - Detialed flange - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

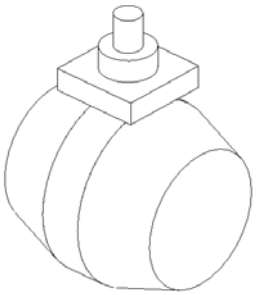
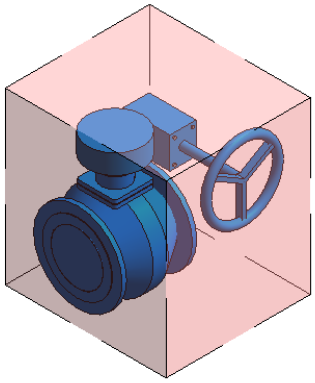
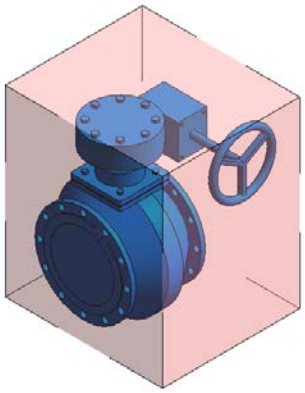
Mechanical Element (Check Valve - DN40 to DN600)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

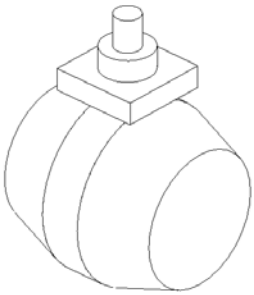
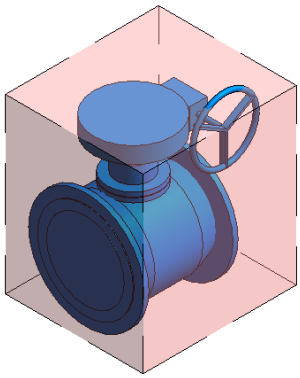
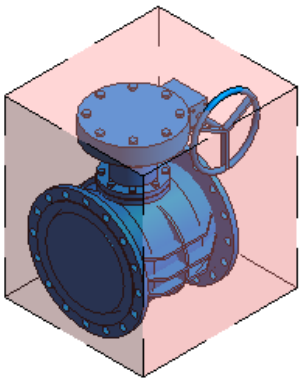
Mechanical Element (Check Valve - DN100 to DN1800)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

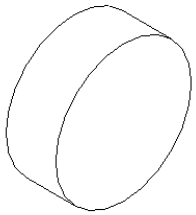
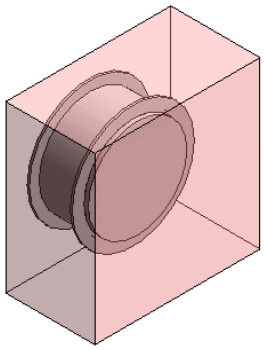
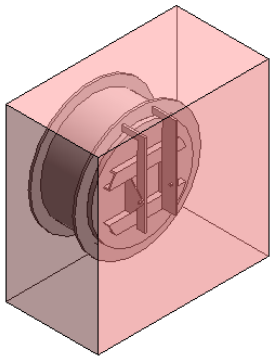
Mechanical Element (Eccentric Plug Valve - DN65 to DN300)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

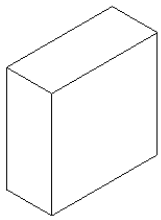
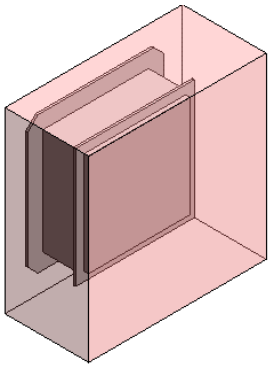
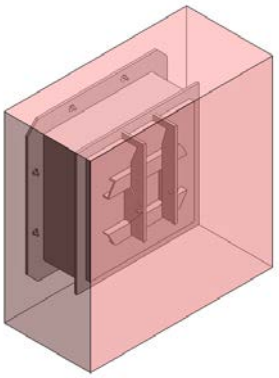
Mechanical Element (Eccentric Plug Valve - DN350 to DN1800)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

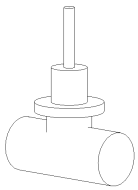
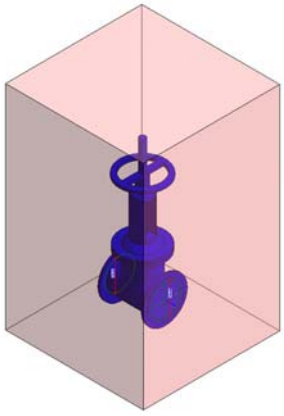
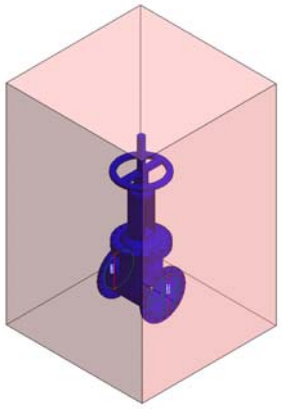
Mechanical Element (Round Flap Valve)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

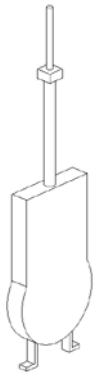
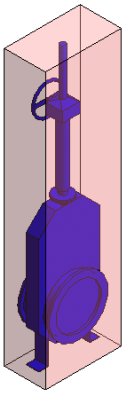
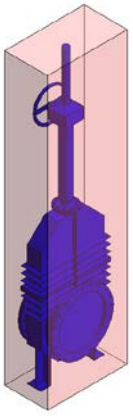
Mechanical Element (Square Flap Valve)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

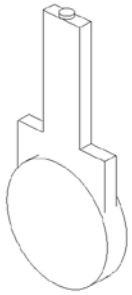
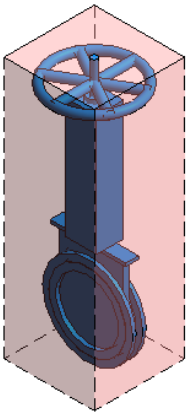
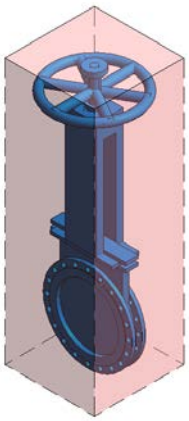
Mechanical Element (Gate Valve - DN50 to DN600)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handweel - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handweel - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

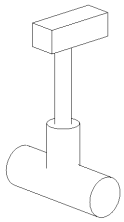
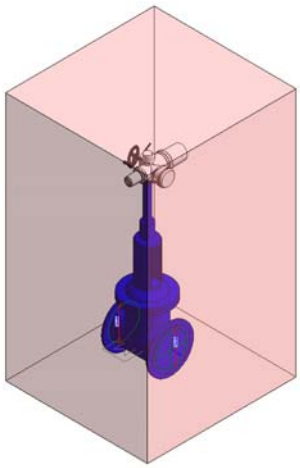
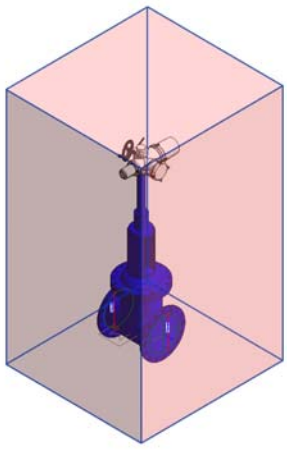
Mechanical Element (Gate Valve - DN500 to DN2000)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

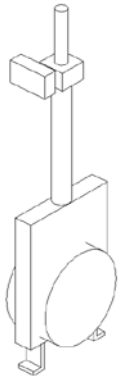
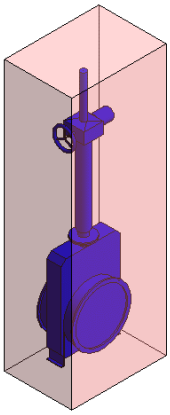
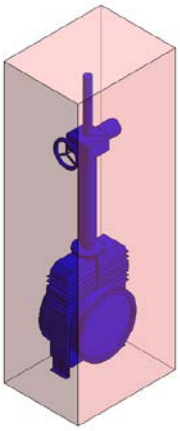
Mechanical Element (Knife Gate Valve)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

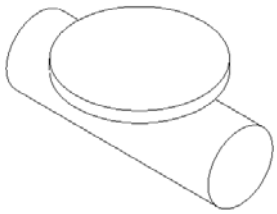
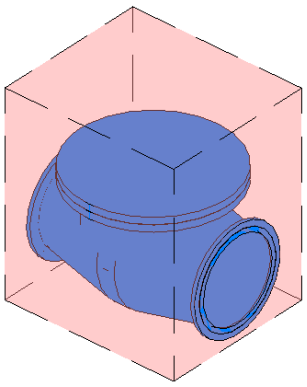
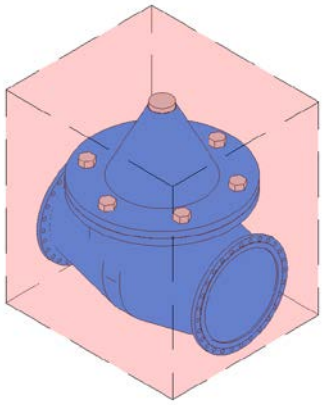
Mechanical Element (Motorized Gate Valve - DN50 to DN600)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Actuator - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Actuator - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

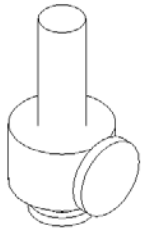
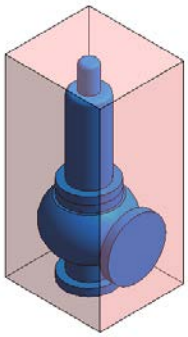
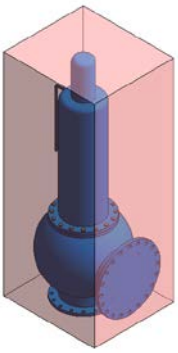
Mechanical Element (Motorized Gate Valve - DN500 to DN2000)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Actuator - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Actuator - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

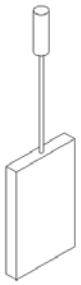
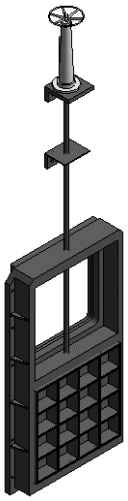
Mechanical Element (Pressure Regulating Valve)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

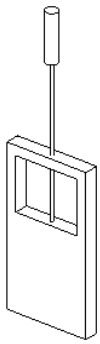
Mechanical Element (Pressure Relief Valve)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Valve body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed valve body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

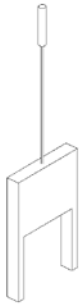
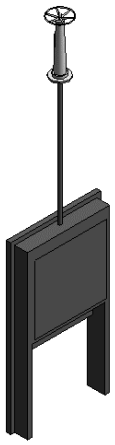
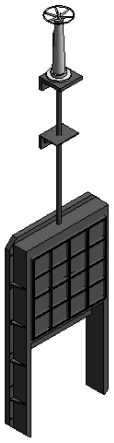
Mechanical Element (Hand-Operated Penstock)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Spindle - Headstock with handwheel - Frame and gate	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Spindle - Headstock with handwheel - Detailed frame and gate - Mounting bracket - Stem guide	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

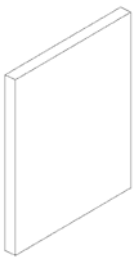
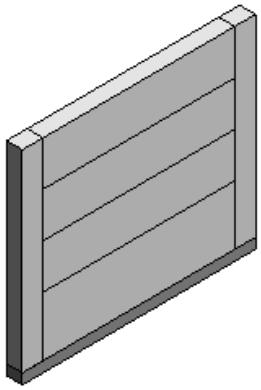
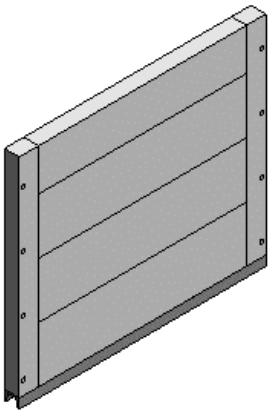
Mechanical Element (Motorized Penstock)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Spindle - Electric motorized headstock - Frame and gate	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Spindle - Detailed electric motorized headstock - Detailed frame and gate - Stem guide	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

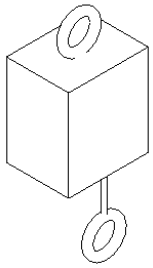
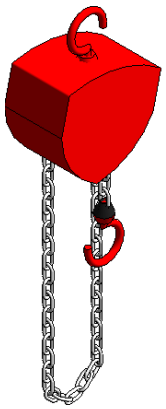
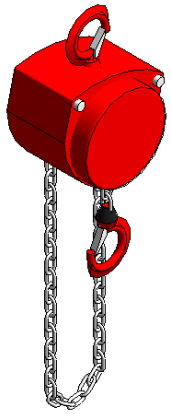
Mechanical Element (Weir Penstock)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Spindle - Headstock with handwheel - Frame and gate	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Spindle - Headstock with handwheel - Detailed frame and gate - Mounting bracket - Stem guide	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

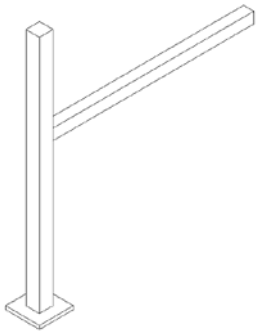
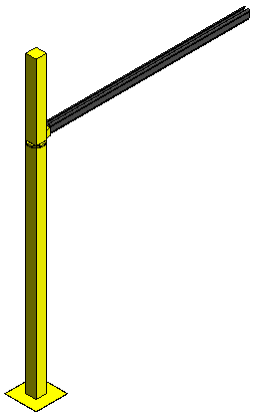
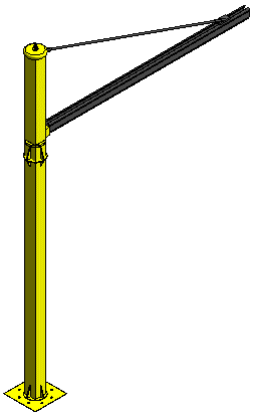
Mechanical Element (Stoplog)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Log - Frame	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Log - Detailed frame	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

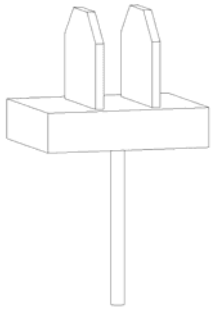
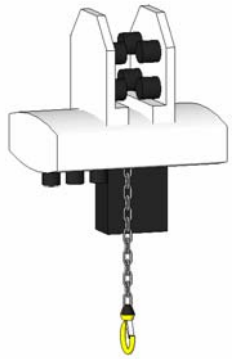
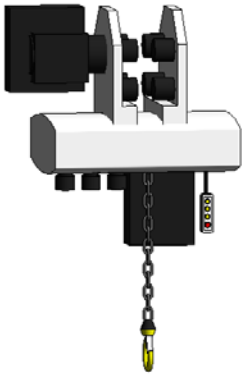
Mechanical Element (Chain Hoist)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Chain - Hook - Sheave cover	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Chain - Detailed hook - Detialed sheave cover	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

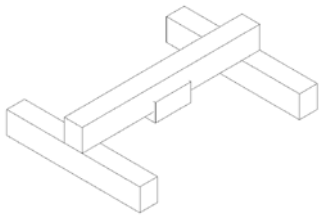
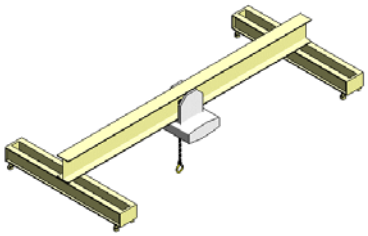
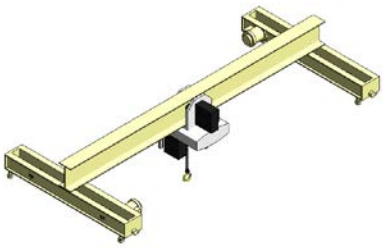
Mechanical Element (Davit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Boom - Column - Base plate	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed boom - Detailed column - Detailed base plate	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

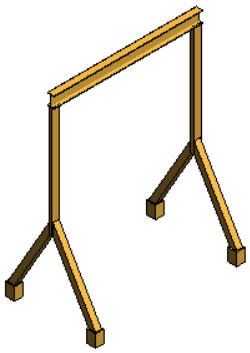
Mechanical Element (Electric Chain Hoist)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Chain hoist - Chain hook - Trolley	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Chain hoist - Chain hook - Trolley - Motor - Remote controller	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

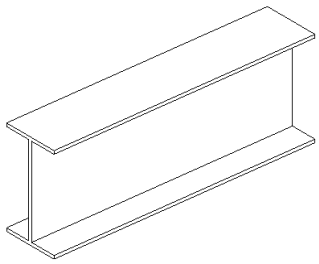
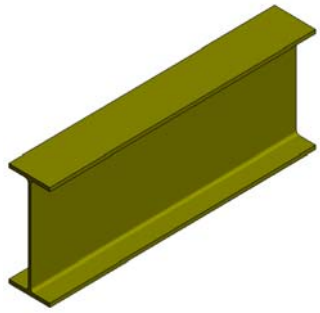
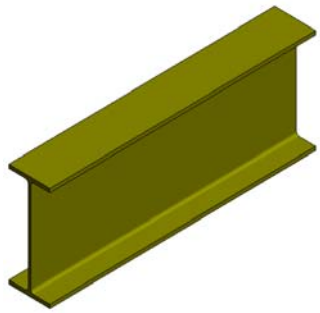
Mechanical Element (Crane)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Girder - Hoist and trolley - End carriage	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Girder - Detailed hoist and trolley - Detailed end carriage - Motor	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

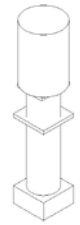
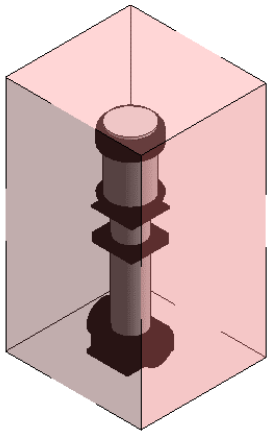
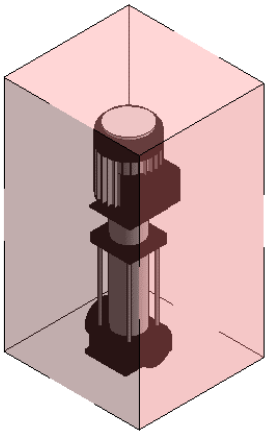
Mechanical Element (Gantry)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Span - Leg	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Span - Detailed leg - Wheel	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

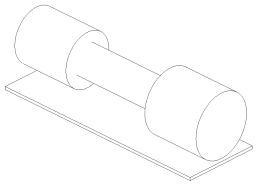
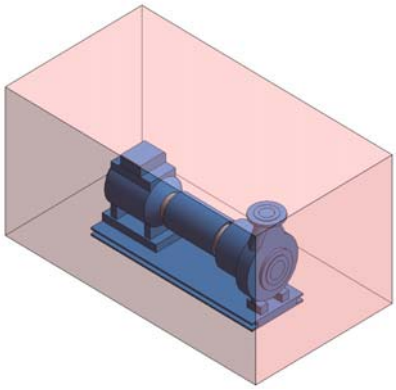
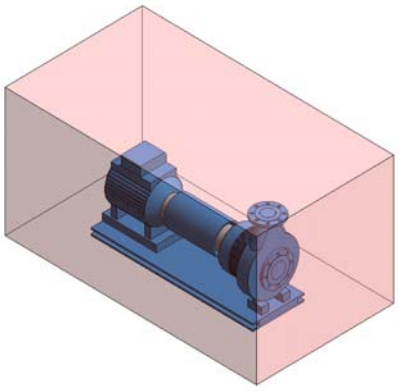
Mechanical Element (Universal I-Beam)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - I Beam	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - I Beam	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

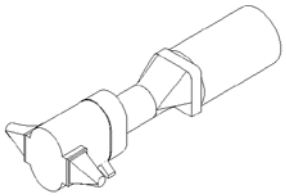
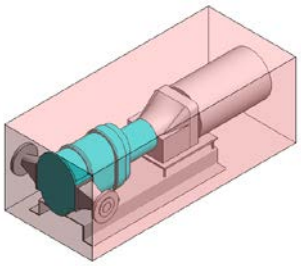
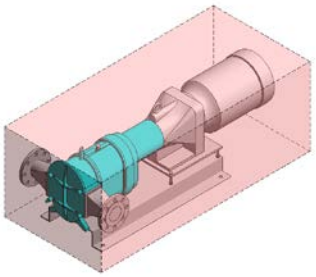
Mechanical Element (Centrifugal Pump - Vertical)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- DSD CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Clearance or maintenance space	- Equipment Type	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

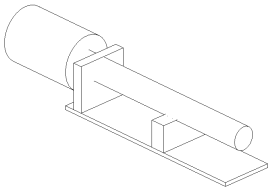
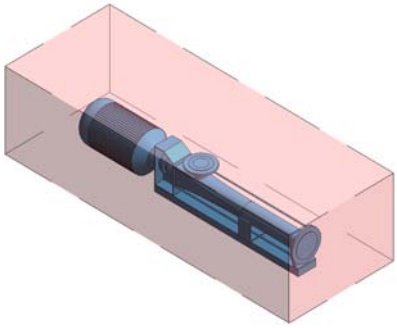
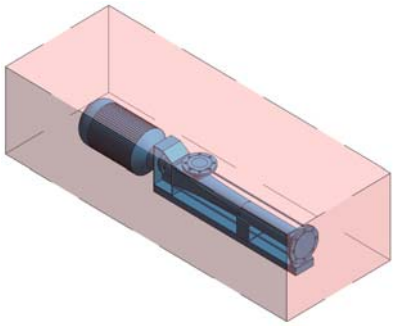
Mechanical Element (Centrifugal Pump - Horizontal)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting frame - Flange - Motor and pump body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting frame - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

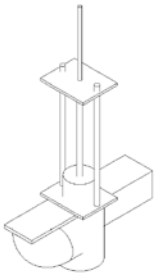
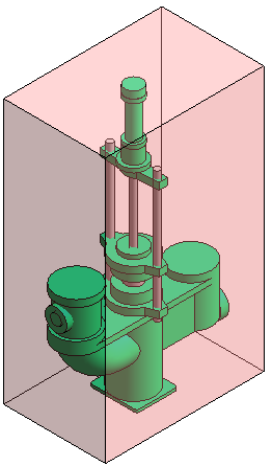
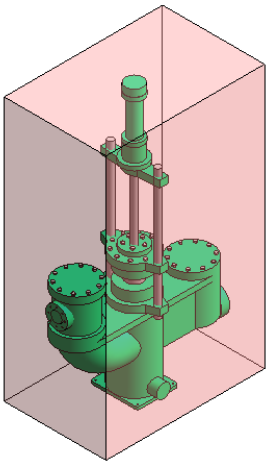
Mechanical Element (Lobe Pump)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

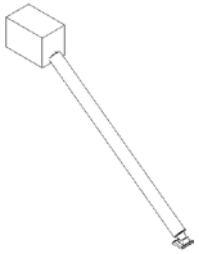
Mechanical Element (Progressive Cavity Pump)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting frame - Flange - Motor and pump body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting frame - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

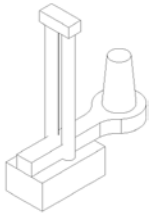
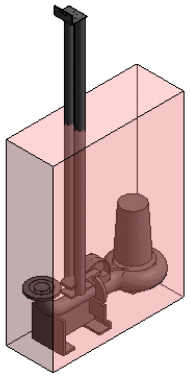
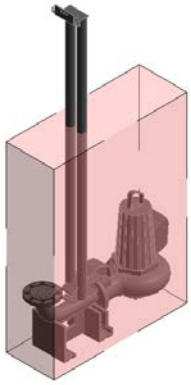
Mechanical Element (Ram Pump)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- DSD CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Clearance or maintenance space	- Equipment Type	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

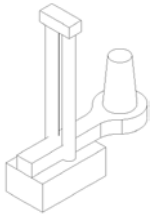
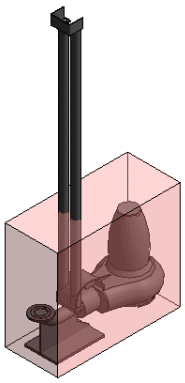
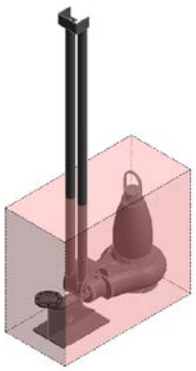
Mechanical Element (Screw Pump)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Motor and pump body	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed motor and pump body - Control panel - Lubrication system	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

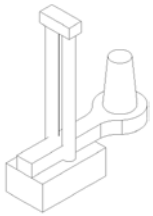
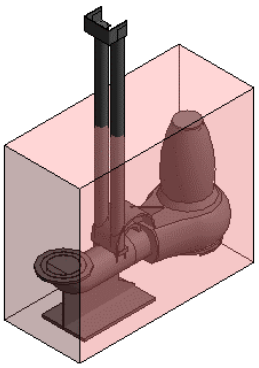
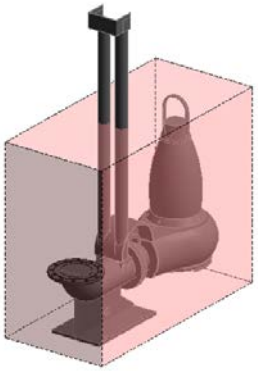
Mechanical Element (Sewage Pump - Wet Well Installation - DN80)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Duck foot, guide rail and bracket - Clearance or maintenance space	- Asset Code - CAT Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Detailed duck foot, guide rail and bracket - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

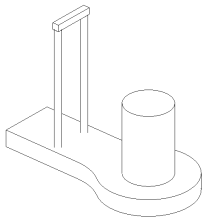
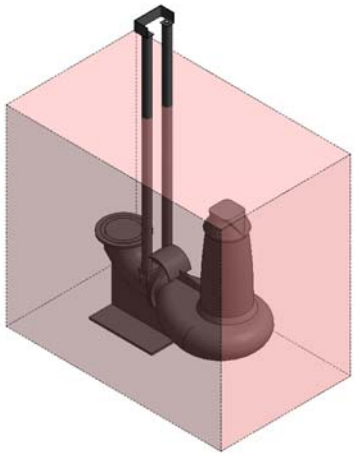
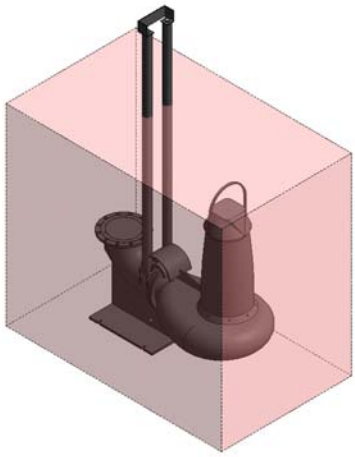
Mechanical Element (Sewage Pump - Wet Well Installation - DN100)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Duck foot, guide rail and bracket - Clearance or maintenance space	- Asset Code - CAT Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Detailed duck foot, guide rail and bracket - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

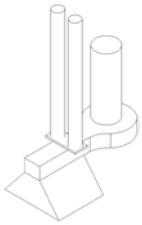
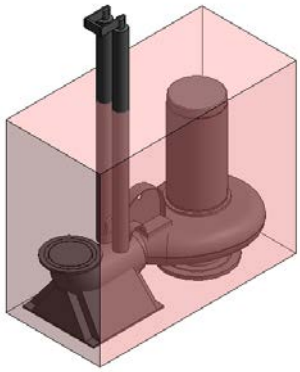
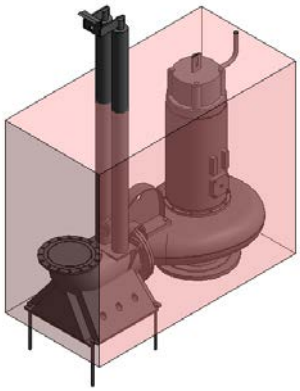
Mechanical Element (Sewage Pump - Wet Well Installation - DN200)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Duck foot, guide rail and bracket - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Detailed duck foot, guide rail and bracket - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

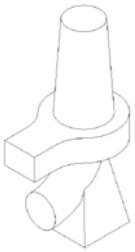
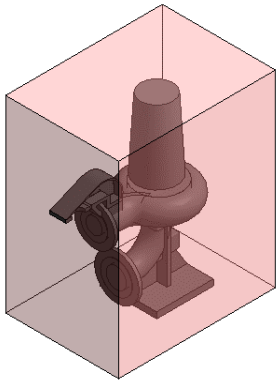
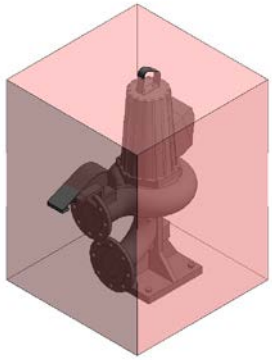
Mechanical Element (Sewage Pump - Wet Well Installation - DN300)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Duck foot, guide rail and bracket - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Detailed duck foot, guide rail and bracket - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

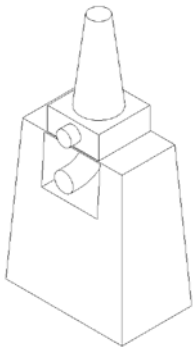
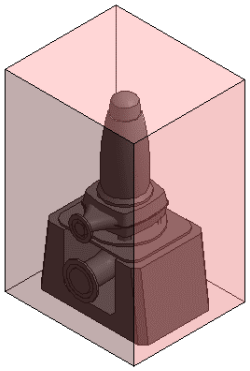
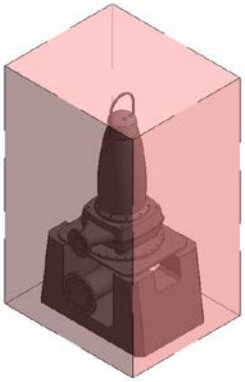
Mechanical Element (Sewage Pump - Wet Well Installation - DN400)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Duck foot, guide rail and bracket - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Detailed duck foot, guide rail and bracket - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

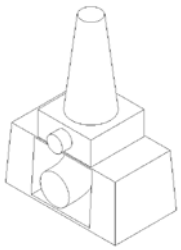
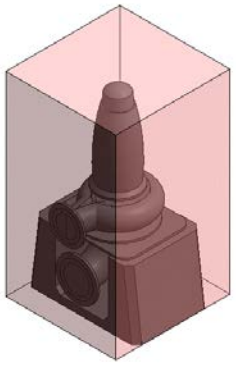
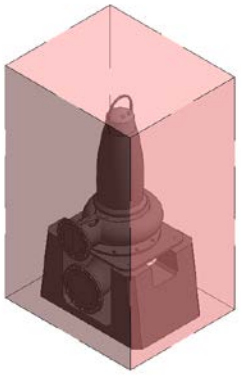
Mechanical Element (Sewage Pump - Dry Well Installation - DN80)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Duck foot - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Detailed duck foot - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

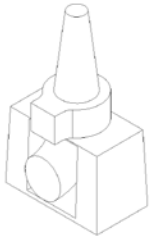
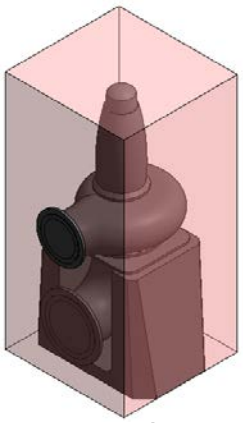
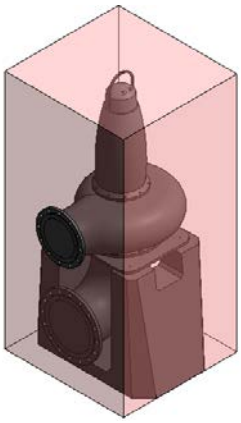
Mechanical Element (Sewage Pump - Dry Well Installation - DN100)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Concrete base - Flange - Motor and pump body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed concrete base - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

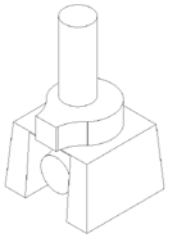
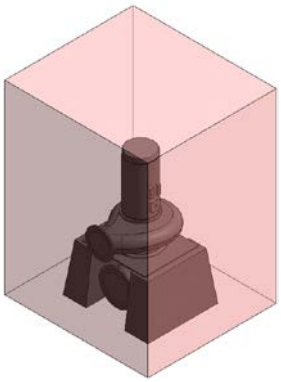
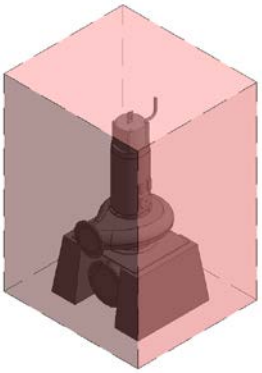
Mechanical Element (Sewage Pump - Dry Well Installation - DN200)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Concrete base - Flange - Motor and pump body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed concrete base - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

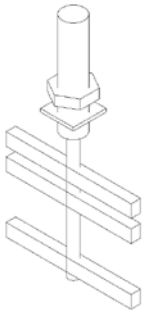
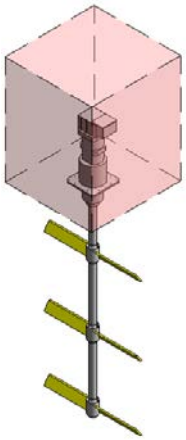
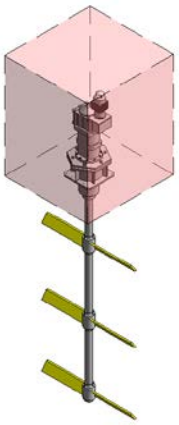
Mechanical Element (Sewage Pump - Dry Well Installation - DN300)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Concrete base - Flange - Motor and pump body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed concrete base - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

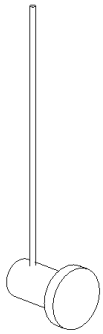
Mechanical Element (Sewage Pump - Dry Well Installation - DN400)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Motor and pump body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed motor and pump body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

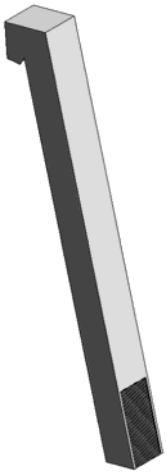
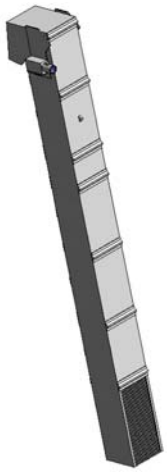
Mechanical Element(Bridge-mounted Vertical Mixer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Shaft - Impeller - Motor and bearing housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Shaft - Impeller - Detailed motor and bearing housing - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

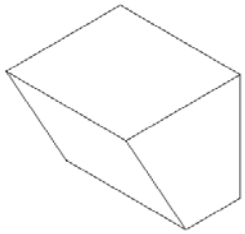
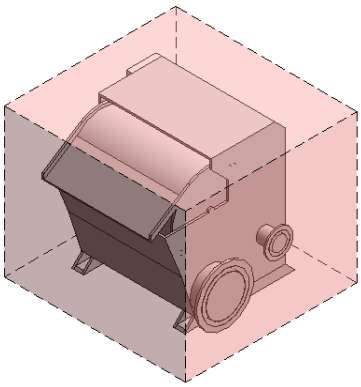
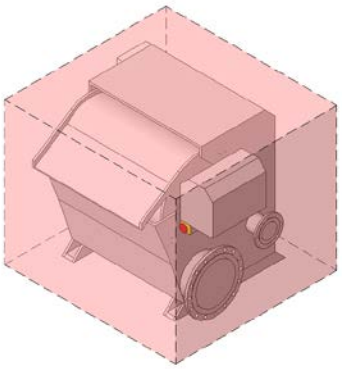
Mechanical Element (Submersible Mixer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mixer body - Guide pipe	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mixer body - Guide pipe - Bracket	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

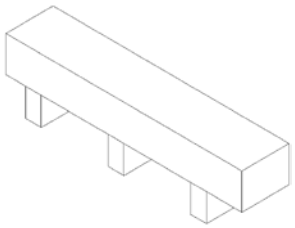
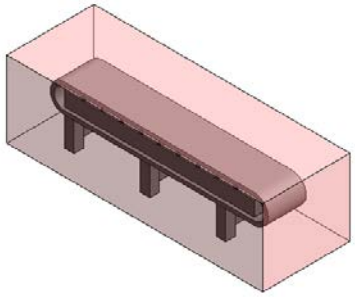
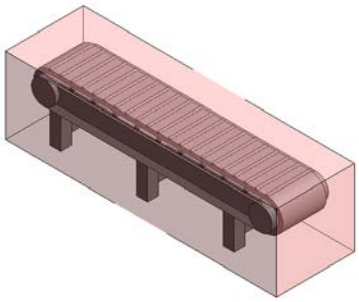
Mechanical Element (Mechanised Bar Screen)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Screen bar - Screen body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Screen bar - Detailed screen body - Motor - Gear box	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

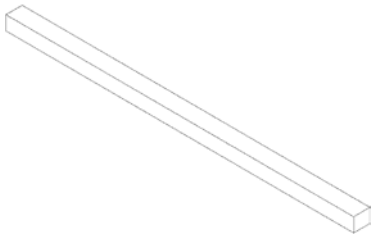
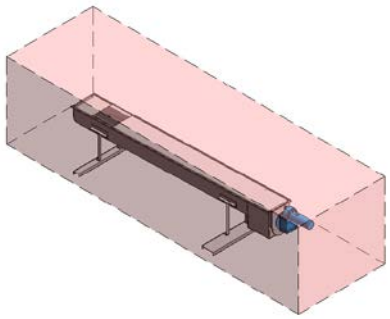
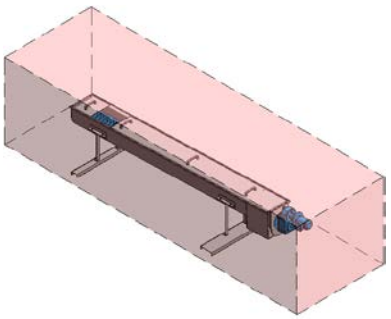
Mechanical Element (Rotary Drum Screen)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Unscreened water Inlet - Screened water outlet - Overflow - Solid outlet - Flange - Screen body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Unscreened water Inlet - Screened water outlet - Overflow - Solid outlet - Detailed flange - Detailed screen body - Drive assembly	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

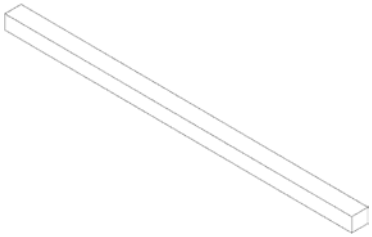
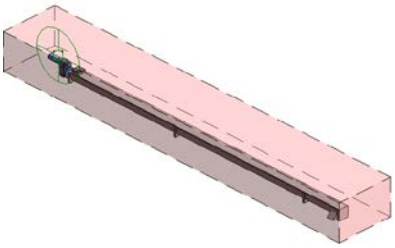
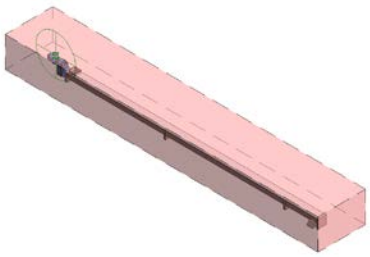
Mechanical Element (Belt Conveyor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Belt - Conveyor body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Detailed belt - Detailed conveyor body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

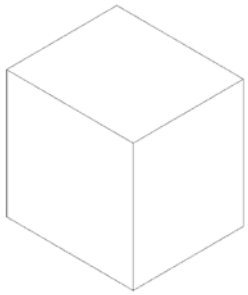
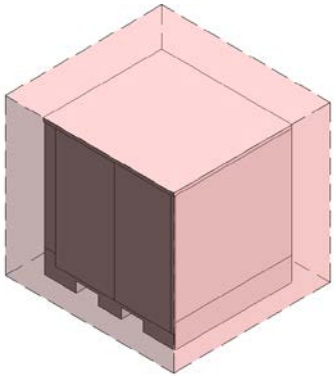
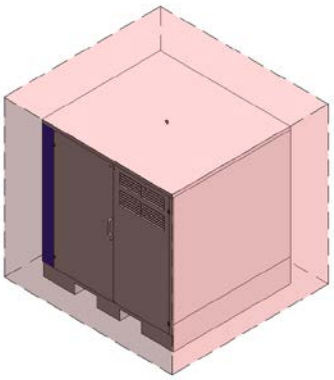
Mechanical Element (Shafted Conveyor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Inlet and discharge opening - Conveyor body - Motor - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Inlet and discharge opening - Detailed conveyor body - Detailed motor - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

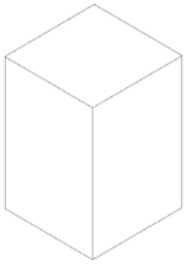
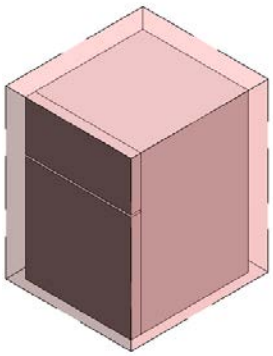
Mechanical Element (Shaftless Conveyor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Inlet and discharge opening - Conveyor body - Motor - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Inlet and discharge opening - Detailed conveyor body - Detailed motor - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

Mechanical Element (Air Blower)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Air outlet - Enclosure - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Air outlet - Detailed enclosure - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

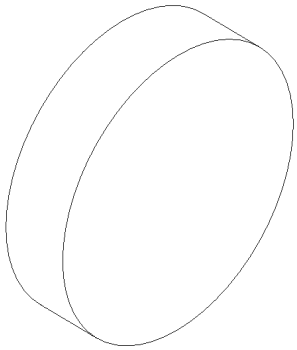
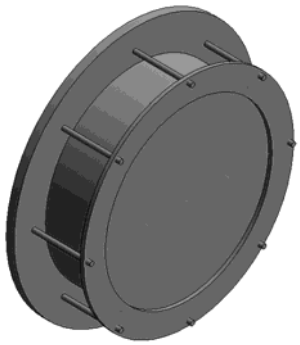
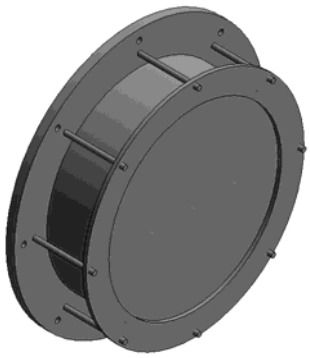
Mechanical Element (Air Compressor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Enclosure - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Air outlet - Detailed enclosure - Clearance or maintenance space	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

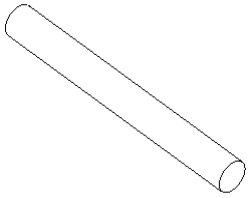
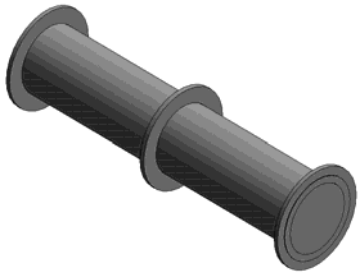
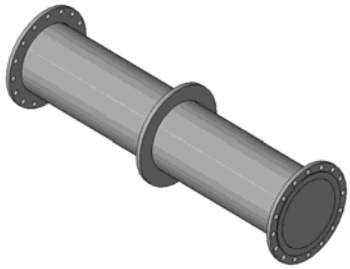
Mechanical Element (Air Receiver)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Air inlet and outlet - Footing	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Air inlet and outlet - Footing - Pressure relief vavle - Pressure gauge	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

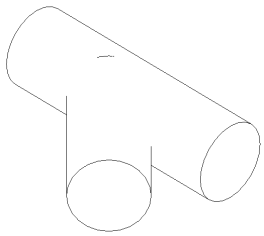
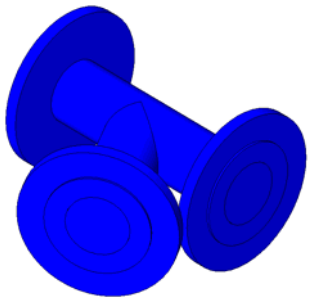
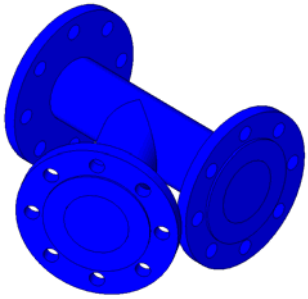
Mechanical Element (Flange Adaptor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange adaptor	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange adaptor	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

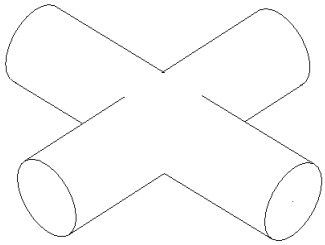
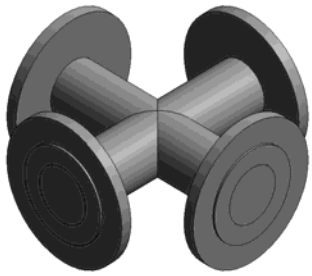
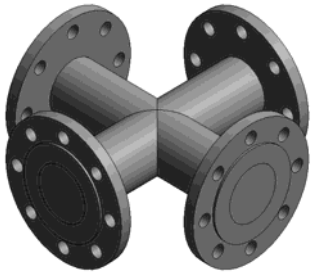
Mechanical Element (Puddle Flange)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Puddle flange	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed puddle flange	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

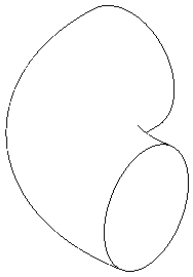
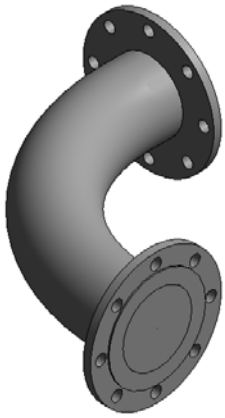
Mechanical Element (Strainer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Strainer - Flange	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Strainer - Detailed flange	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

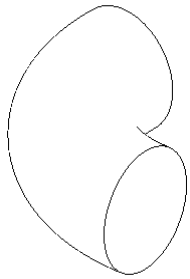
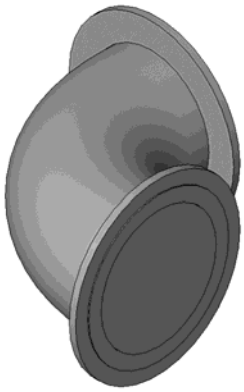
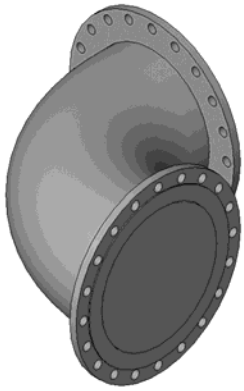
Mechanical Element (Pipe Cross)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe cross - Flange	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe cross - Detailed flange	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

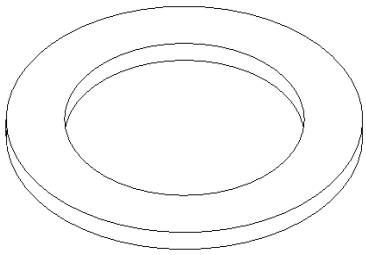
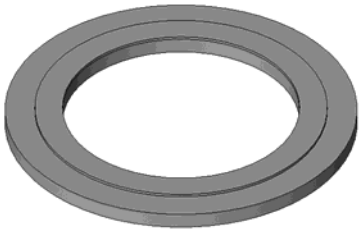
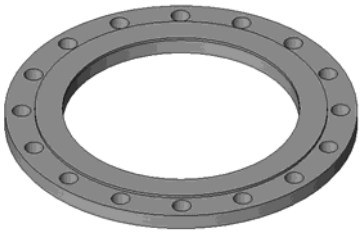
Mechanical Element (Pipe Elbow - Long)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Flange	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Detailed flange	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

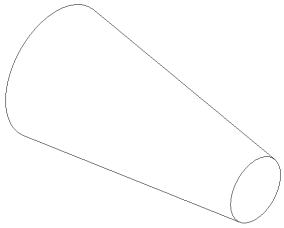
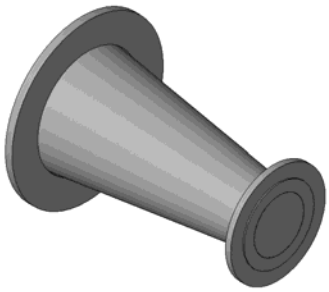
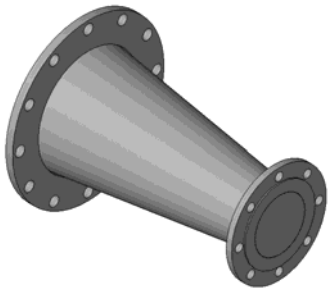
Mechanical Element (Pipe Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Flange	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe elbow - Detailed flange	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

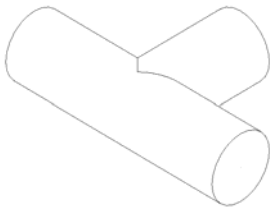
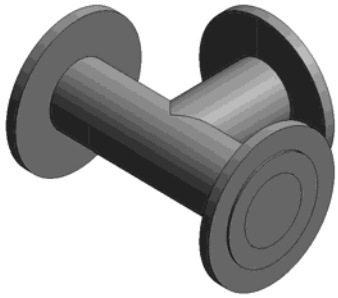
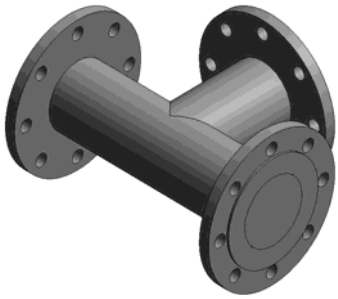
Mechanical Element (Flange)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

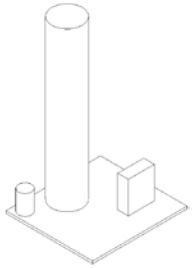
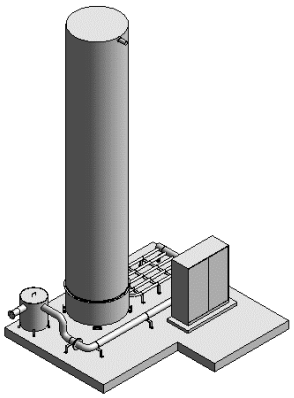
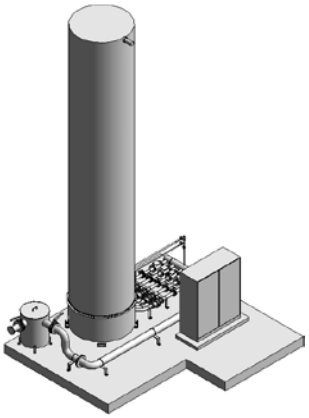
Mechanical Element (Pipe Reducer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe reducer - Flange	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe reducer - Detailed flange	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

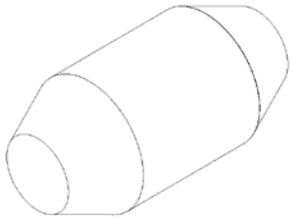
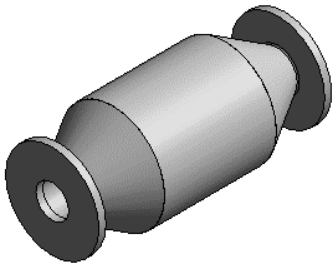
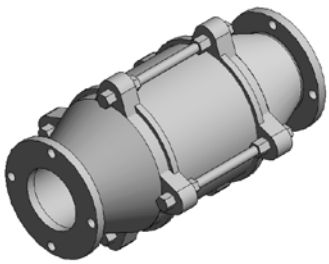
Mechanical Element (Pipe Tee)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe tee - Flange	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pipe tee - Detailed flange	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

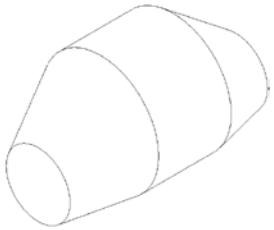
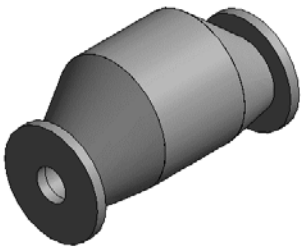
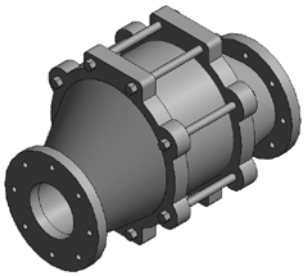
Mechanical Element (Biogas Burner)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Combustion chamber - Condensate trap - Pipework - Control cabinet	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Combustion chamber - Condensate trap - Pipework - Control cabinet - Flame arrester - Valve	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

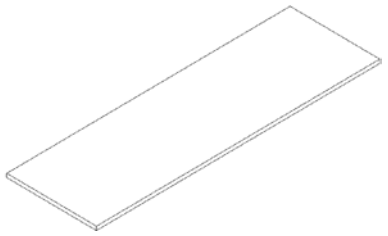
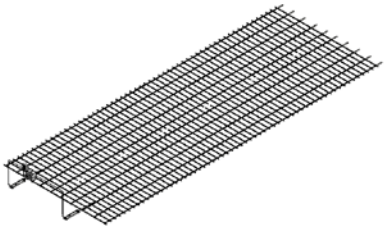
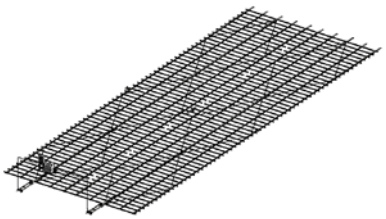
Mechanical Element (Flame Arrester Unit - Vertical)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Arrester body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed arrester body	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

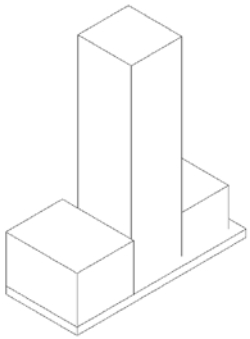
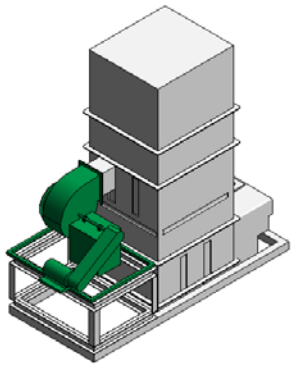
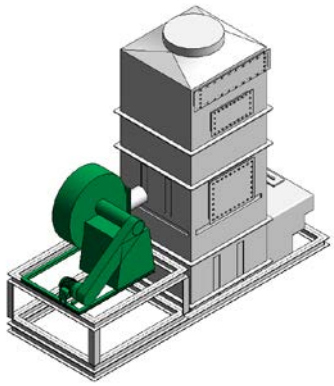
Mechanical Element (Flame Arrester Unit - Horizontal)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Arrester body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Detailed arrester body	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

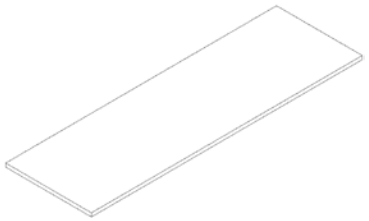
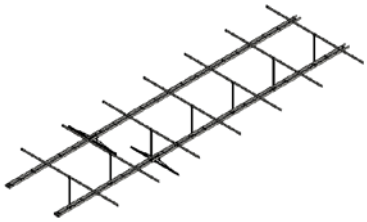
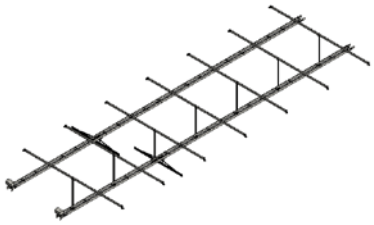
Mechanical Element (Scraper)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Control panel - Hydraulic power pack - Scraper	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Control panel - Hydraulic power pack - Detailed scraper - Oil cooler	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

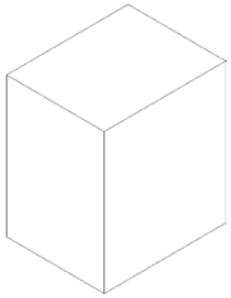
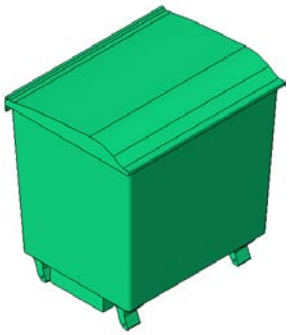
Mechanical Element (Scrubber)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Exhaust fan - Circulation pump - Circulation tank - Mounting frame - Scrubber	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Exhaust fan - Circulation pump - Circulation tank - Detailed mounting frame - Detailed scrubber - Inspection port	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

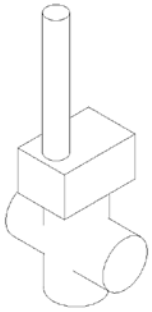
Mechanical Element (Scum Collector)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Support - Scum collector	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed support - Detailed scum collector - Drive unit	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

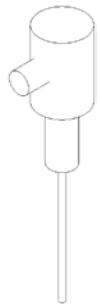
Mechanical Element (Skip)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Skip body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed skip body - Wheel	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

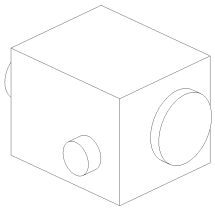
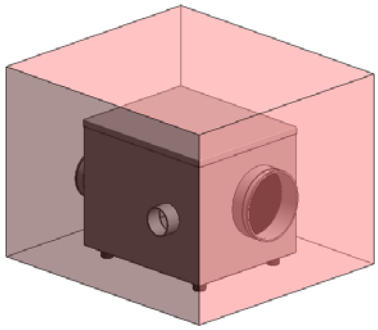
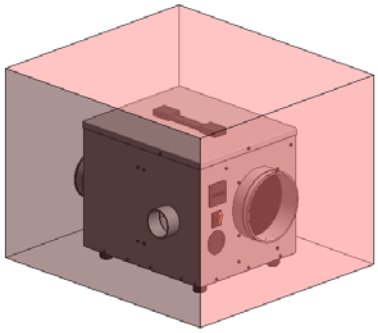
Mechanical Element (Sludge Grinder)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Motor - Mounting frame - Flange - Grinder body	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Motor - Mounting frame - Detailed flange - Detailed grinder body	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

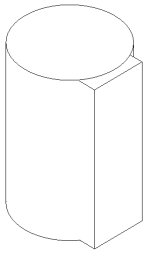
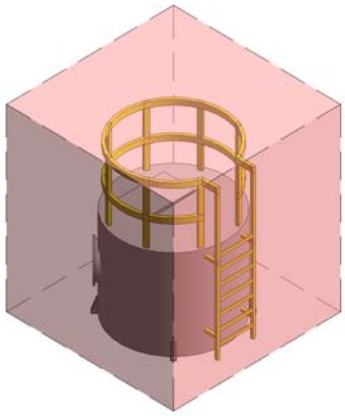
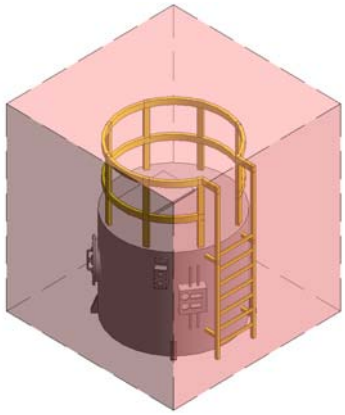
Mechanical Element (Stirrer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Impeller - Shaft - Motor	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Impeller - Shaft - Detailed motor	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

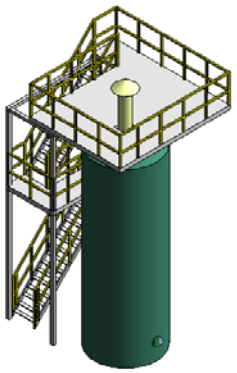
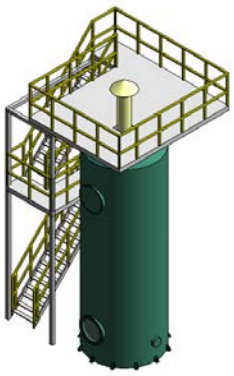
Mechanical Element (Dehumidifier)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Air inlet - Wet air outlet - Dry air outlet - Footing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Air inlet - Wet air outlet - Dry air outlet - Footing - Handle - Switch - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

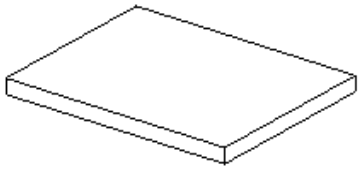
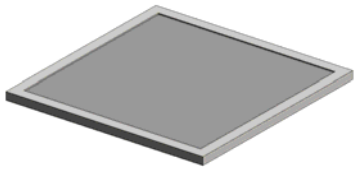
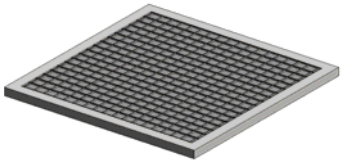
Mechanical Element (Deodorizer - Activated Carbon Filter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Cat ladder - Handrailing - Access panel - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Cat ladder - Handrailing - Detailed access panel - Control panel - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

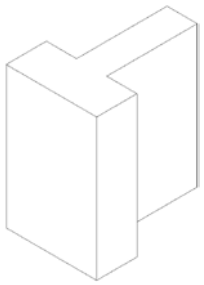
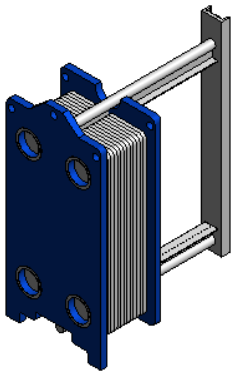
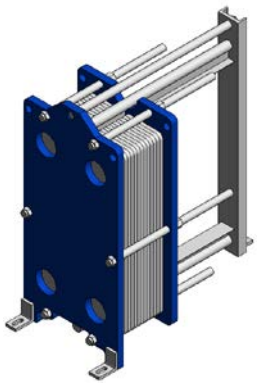
Mechanical Element (Biotrickling Filter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Maintenace platform - Railing - Biofilter body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Maintenace platform - Railing - Biofilter body - Access panel - Footing	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

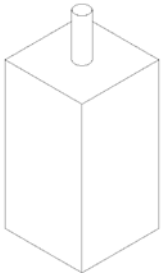
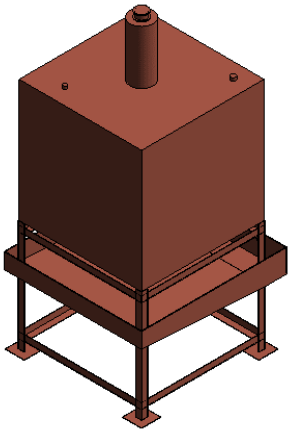
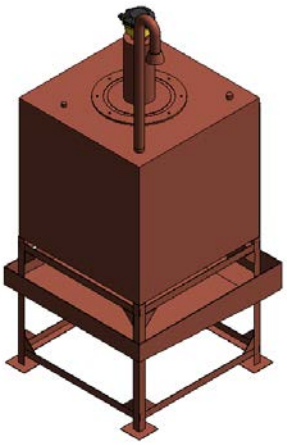
Mechanical Element (Eliminator)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Eliminator	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Detailed eliminator	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

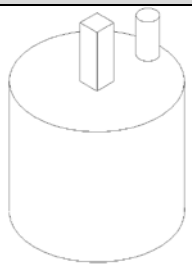
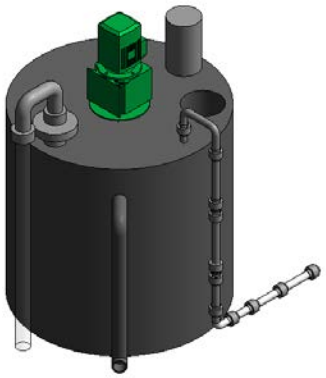
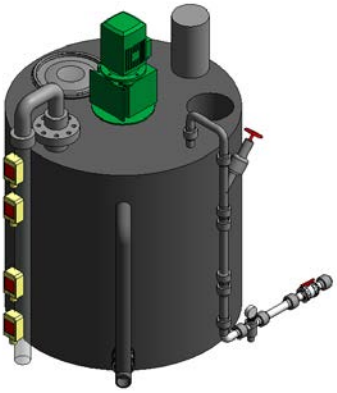
Mechanical Element (Heat Exchanger)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Water inlet - Water outlet - Heat exchanger body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Water inlet - Water outlet - Detailed heat exchanger body - Footing	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

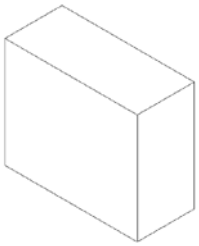
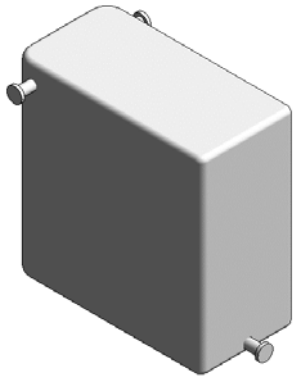
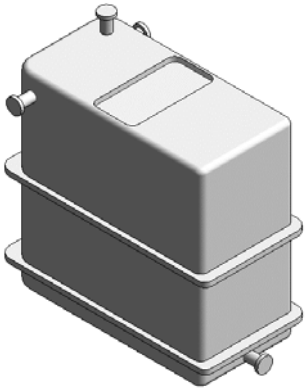
Mechanical Element (Fuel Oil Tank)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Tank body - Drip tray - Mounting frame	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed tank body - Detailed drip tray - Detailed mounting frame - Vent hood and pipe - Level sensor	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

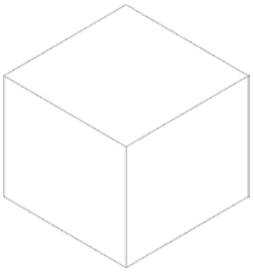
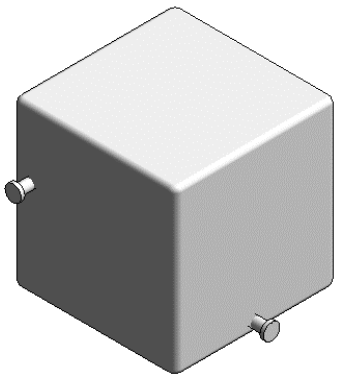
Mechanical Element (Mixing Tank)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Vent - Agitator - Powder inlet - Tank Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Vent - Agitator - Powder inlet - Detailed tank Body - Tank level control	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

Mechanical Element (StorageTank - Rectangular)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Cover - Tank body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Cover - Tank body - Access panel - Rib stiffener	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

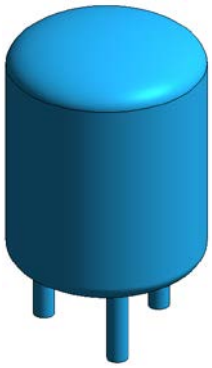
Mechanical Element (StorageTank - Square)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Cover - Tank body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Cover - Tank body - Access panel - Rib stiffener	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

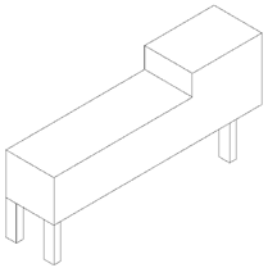
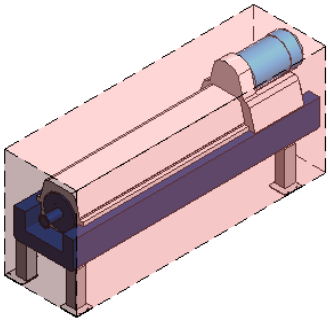
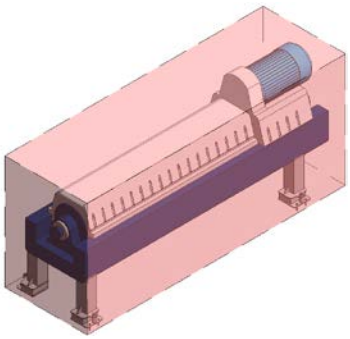
Mechanical Element (Storage Tank - Cylinder)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: -Tank body	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: -Tank body - Access panel	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

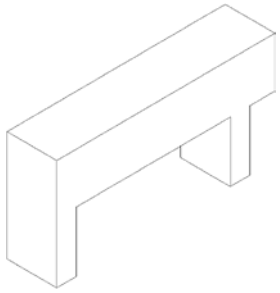
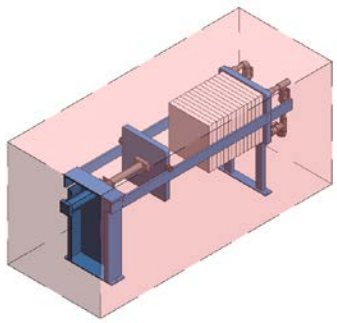
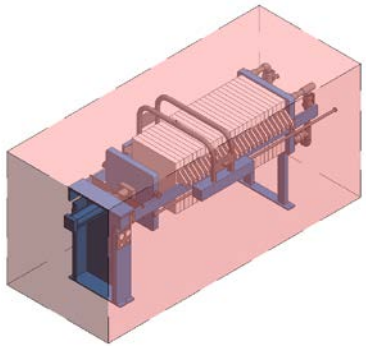
Mechanical Element (Pressure Vessel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Pressure vessel body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Detailed pressure vessel body	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

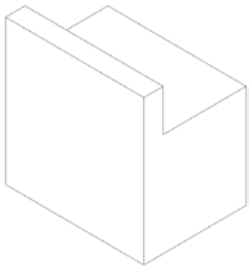
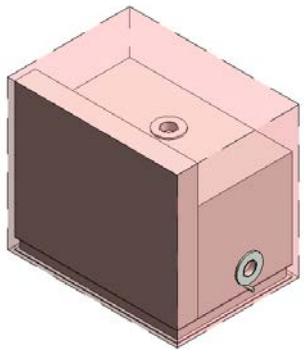
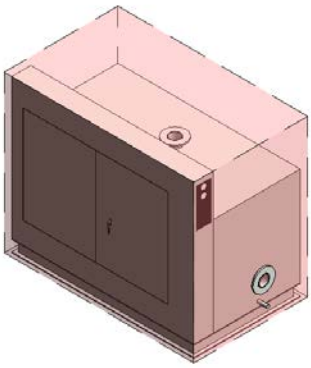
Mechanical Element (Centrifuge)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Motor - Centrifuge body - Footing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed motor - Detailed centrifuge body - Detailed footing	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

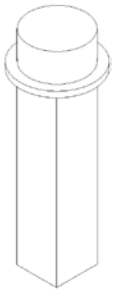
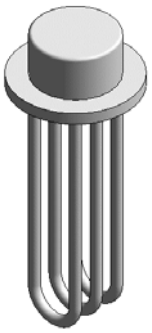
Mechanical Element (Membrane Filter Press)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Manifold - Filter press body - Mounting frame	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed manifold - Detailed filter press body - Detailed mounting frame	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

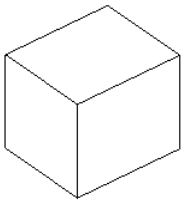
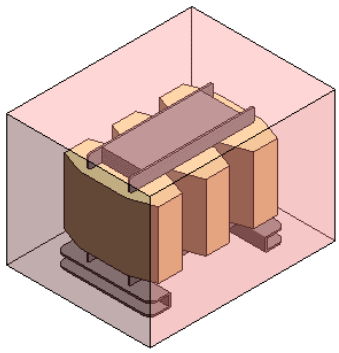
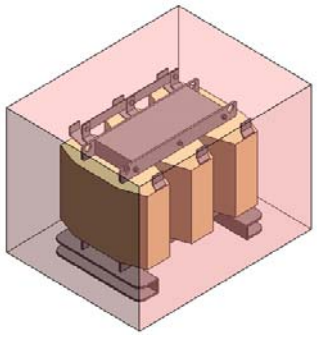
Mechanical Element (Boiler)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Inlet - Oulet - Flange - Boiler body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Inlet - Oulet - Flange - Detailed boiler body - Control panel	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

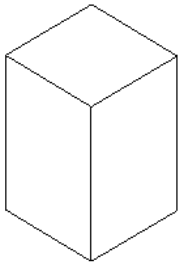
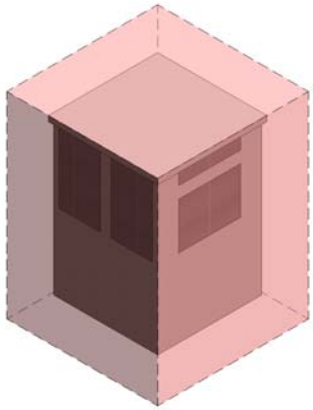
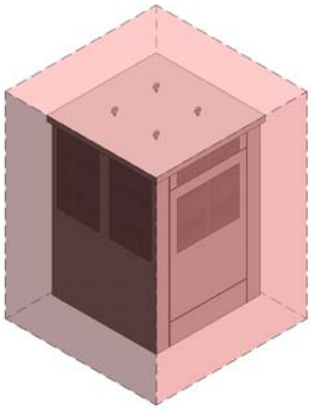
Mechanical Element (Heater)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Heater - Flange - Terminal enclosure	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Heater - Detailed flange - Detailed terminal enclosure	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

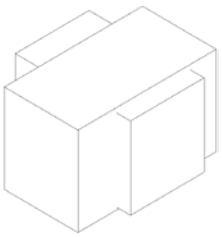
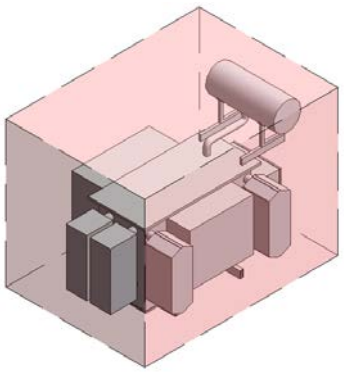
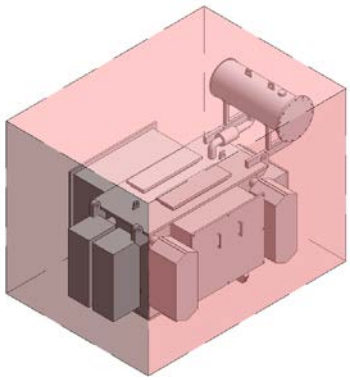
Electrical Element (LV Transformer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting frame - Transformer body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting frame - Detaile transformer body - Cable connector - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

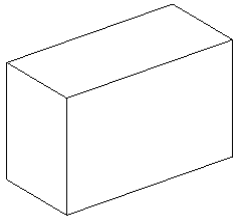
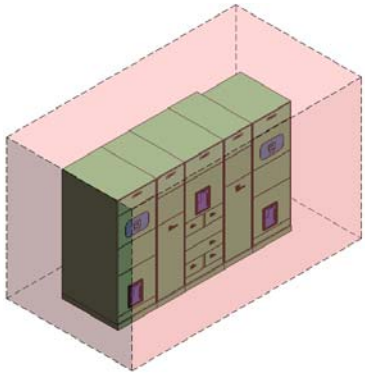
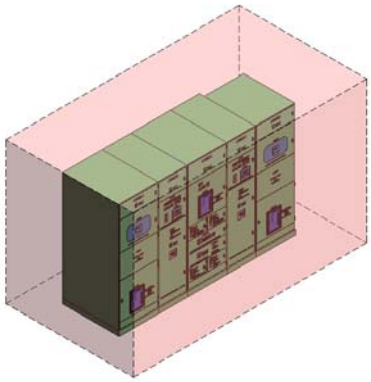
Electrical Element (LV Transformer - Enclosured)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Enclosure - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed enclosure - Lifting hook - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

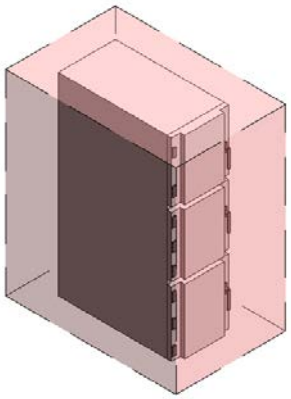
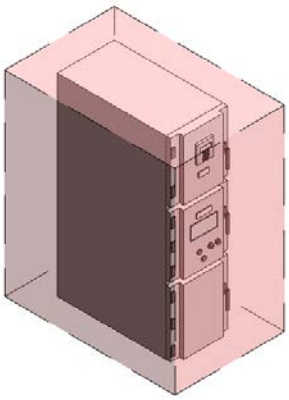
Electrical Element (HV Transformer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - H.V Cable box - L.V Cable box - Oil conservator - Mounting frame - Transformer body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - H.V Cable box - L.V Cable box - Oil conservator - Detailed mounting frame - Detailed transformer body - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

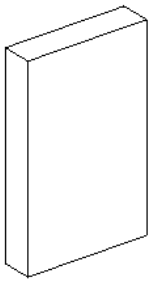
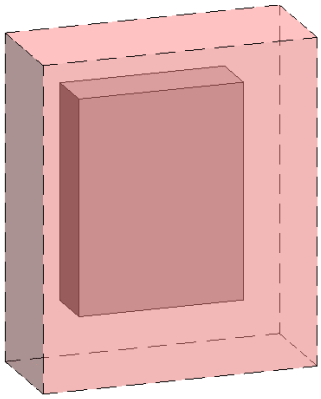
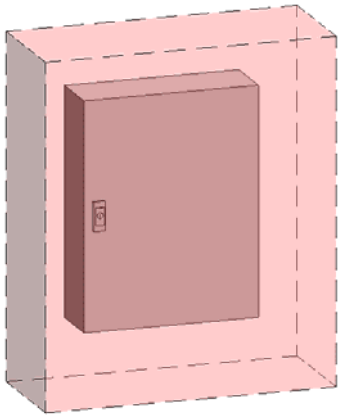
Electrical Element (LV Switchboard)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - ACB, MCCB, fuse switch, isolator - Power company's meter - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - ACB, MCCB, fuse switch, isolator - Power company's meter - Push button, indication lamp, meter, selector, protection relays - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

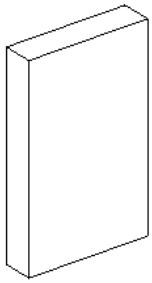
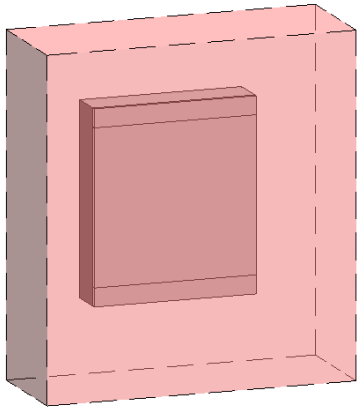
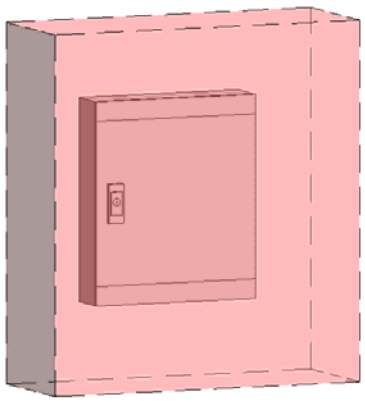
Electrical Element (HV Switchboard)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Circuit breaker - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Circuit breaker - Push button, indication lamp, meter, selector, protection relays - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

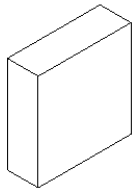
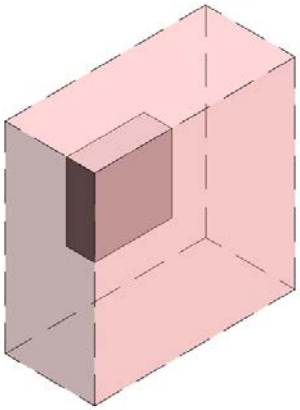
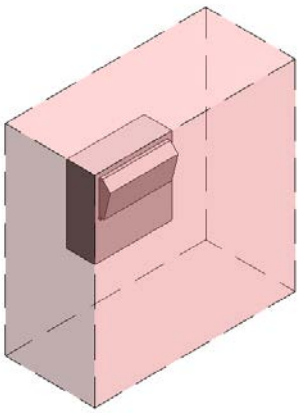
Electrical Element (TPN MCCB Board)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - MCCB housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - MCCB housing - Key lock - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

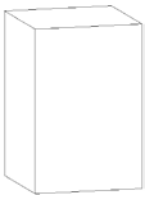
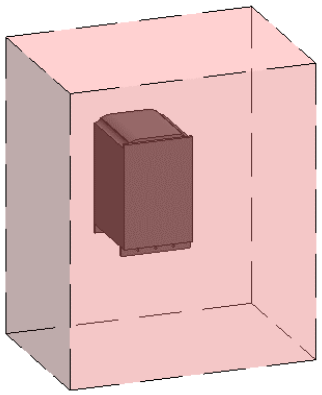
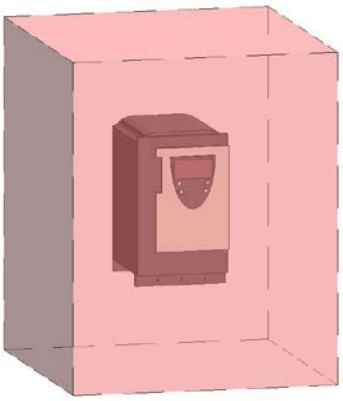
Electrical Element (TPN MCB Board)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - MCB housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - MCB housing - Key lock - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

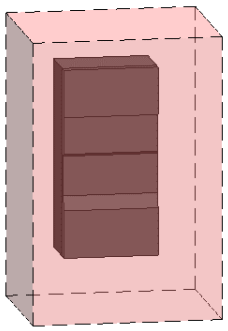
Electrical Element (SPN MCB Board)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

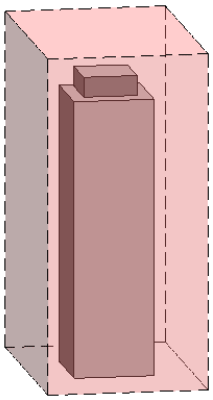
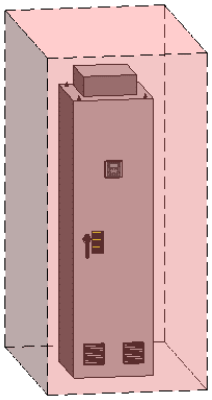
Electrical Element (Variable Speed Drive - Wall Mount Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Control panel - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

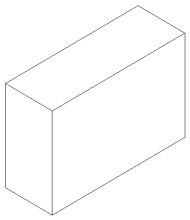
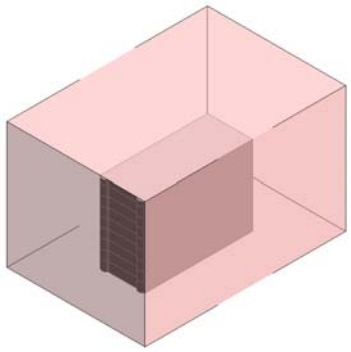
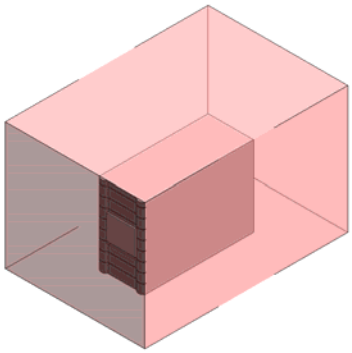
Electrical Element (Variable Speed Drive - Wall Mount Type B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Control panel - Clearance or maintenance space	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

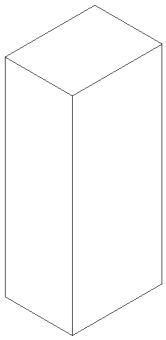
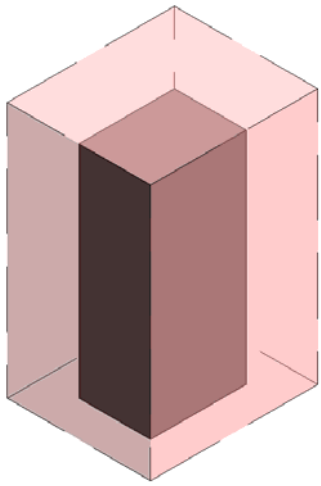
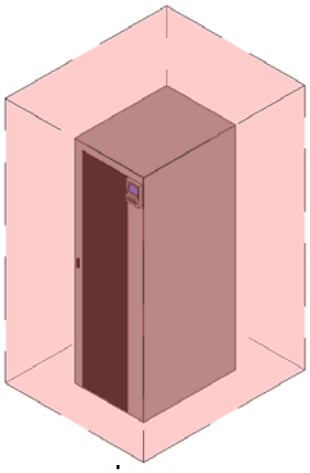
Electrical Element (Variable Speed Drive - Floor Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detail housing - Handle - Control panel - Louvre - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

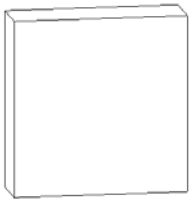
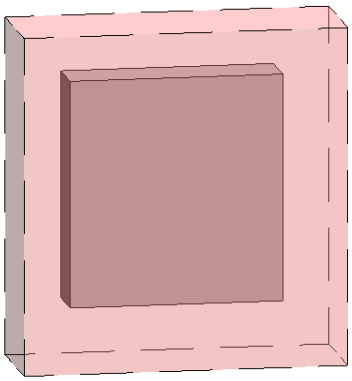
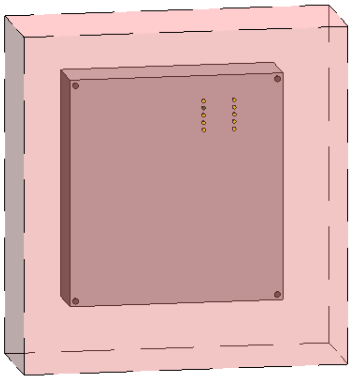
Electrical Element (Uninterrupted Power Supply - 1 to 10kVA)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - UPS housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - UPS housing - Display panel - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

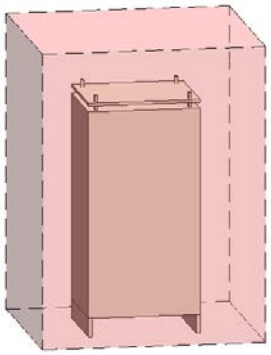
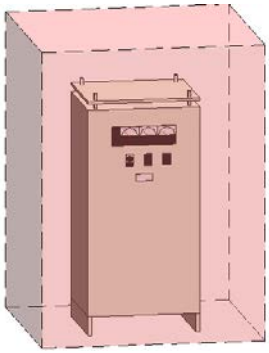
Electrical Element (Uninterrupted Power Supply - 20 to 80kVA)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - UPS housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - UPS housing - Key lock - Display panel - Louvre - Clearance or maintenance space	- Material	 .
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

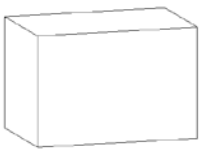
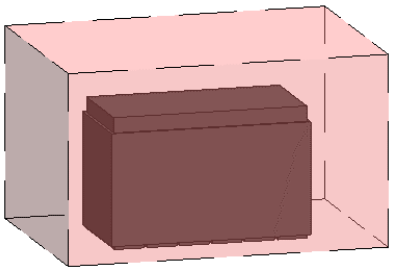
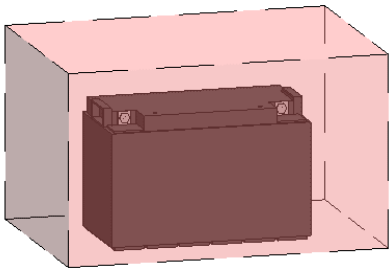
Electrical Element (Battery & Charger - Wall Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Indication lamp - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

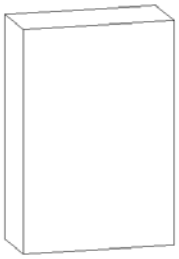
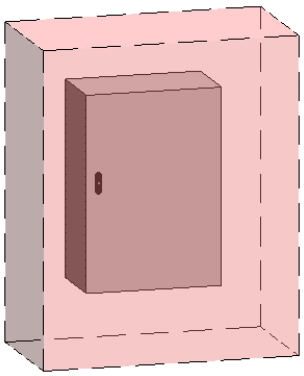
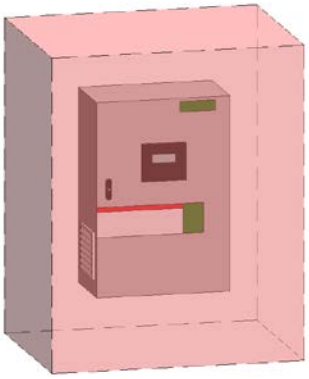
Electrical Element (Battery & Charger - Floor Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detail housing - Meter, switch - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

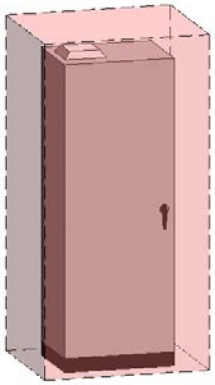
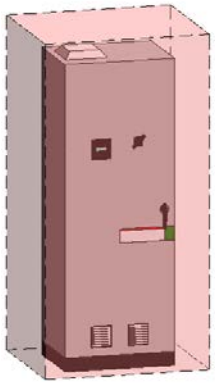
Electrical Element (Battery)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detail housing - Cable connector - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

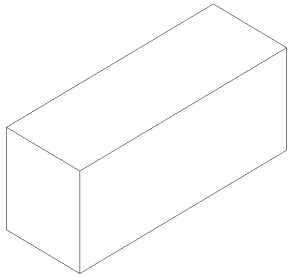
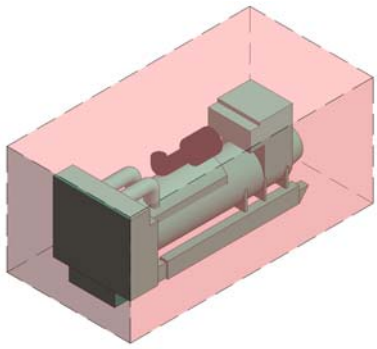
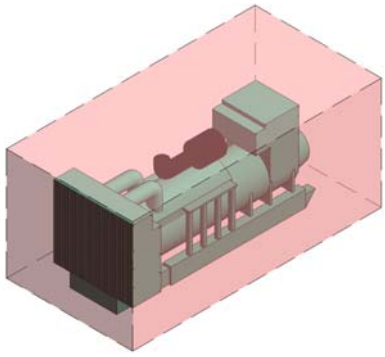
Electrical Element (Power Factor Correction Capacitors and Controller - Wall Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Lock - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Lock - Detail housing - Control panel - Louvre - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

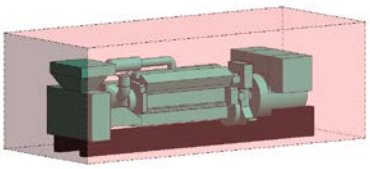
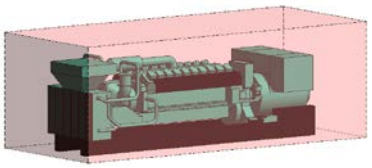
Electrical Element (Power Factor Correction Capacitors and Controller - Floor Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handle - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handle - Detail housing - Control panel - Louvre - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

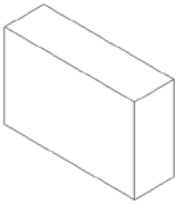
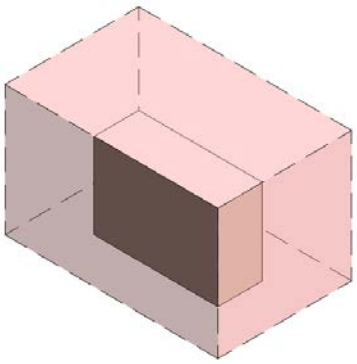
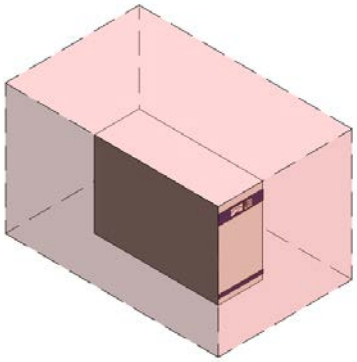
Electrical Element (Diesel Generator Set)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Exhaust pipe - Engine and alternator - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Exhaust pipe - Detailed engine and alternator - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

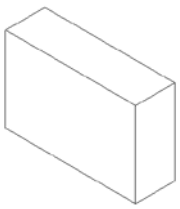
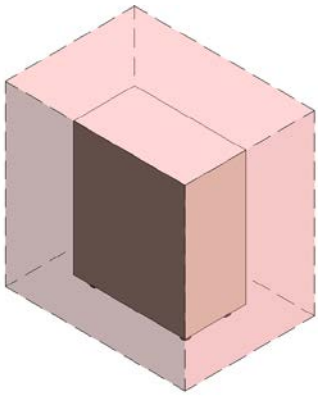
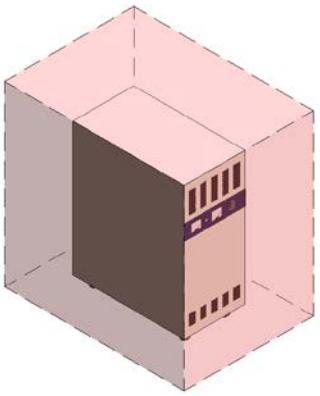
Electrical Element (Combined Heat and Power Generator)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Engine and alternator - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed engine and alternator - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

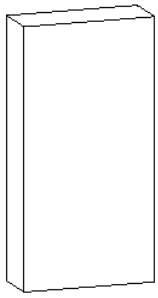
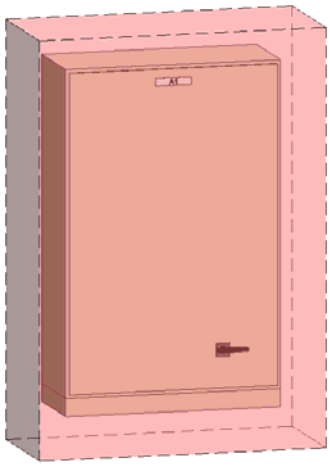
Electrical Element (Auto Voltage Regulator - Single Phase)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Meter, switch - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

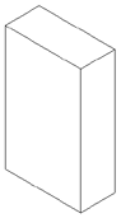
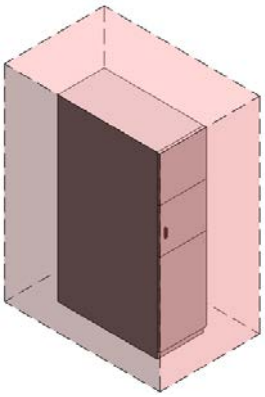
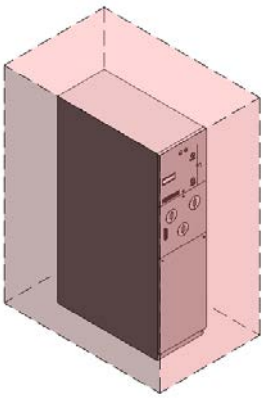
Electrical Element (Auto Voltage Regulator - Three Phase)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Housing - Meter, switch - Louvre - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

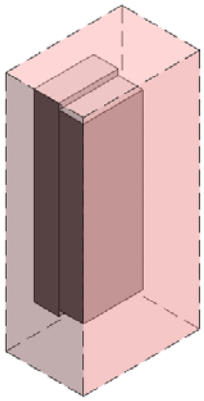
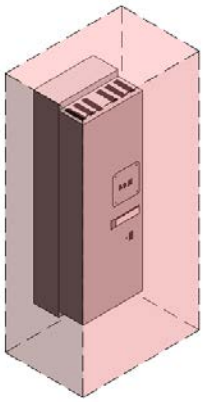
Electrical Element (Control Panel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Control panel housing - Main switch - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Control panel housing - Main switch - Push button, indication lamp, meter, selector - Clearance or maintenance space	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

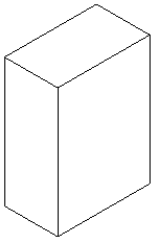
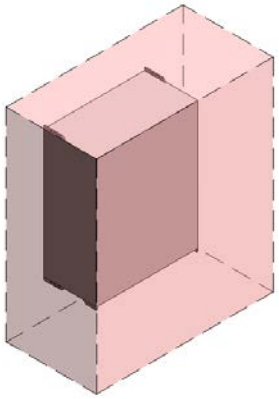
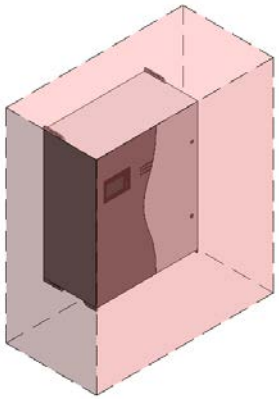
Electrical Element (Ring Main Unit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Switch - Indicator - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

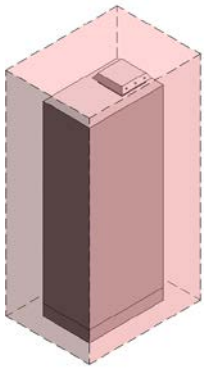
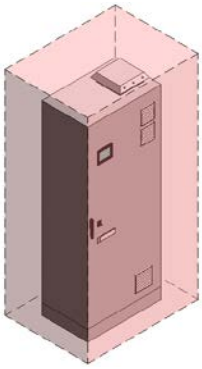
Electrical Element (Harmonic Filter - Wall Mount Type A)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Control panel - Louvre - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

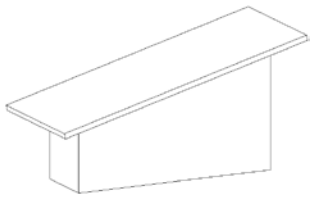
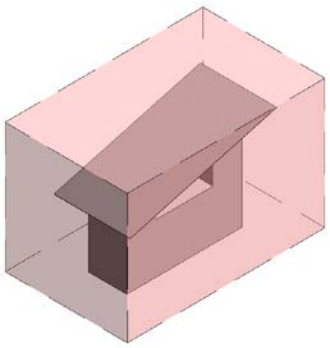
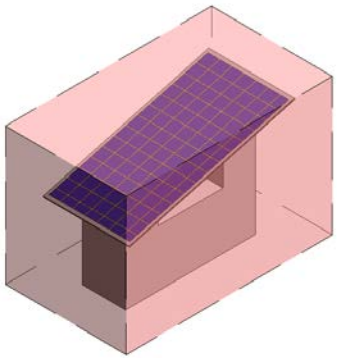
Electrical Element (Harmonic Filter - Wall Mount Type B)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Control panel - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

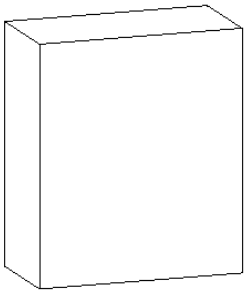
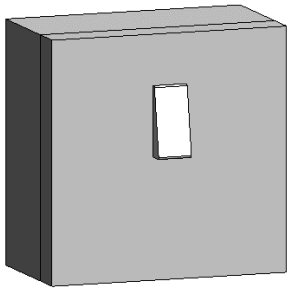
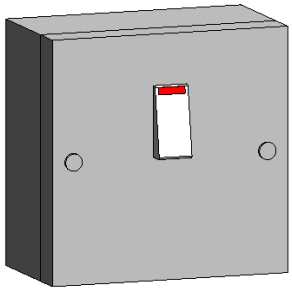
Electrical Element (Harmonic Filter - Floor Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Control panel - Loulouvre - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

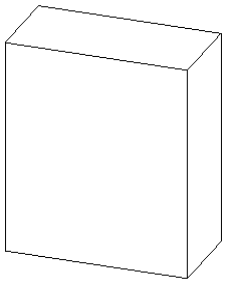
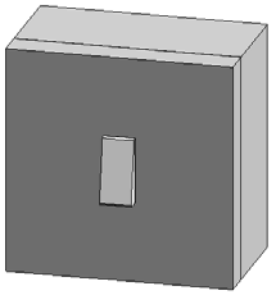
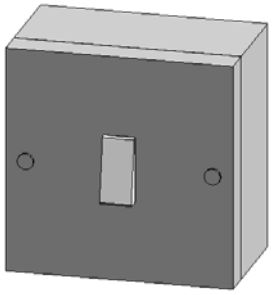
Electrical Element (Photovoltaic Panel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - PV Panel - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed PV Panel - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

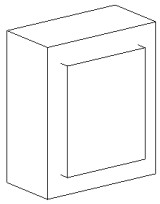
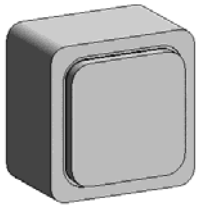
Electrical Element (Double Pole Switch)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Switch box and switch	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed switch box and switch	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

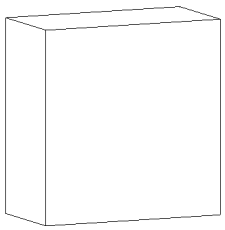
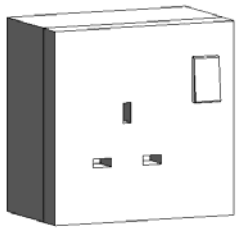
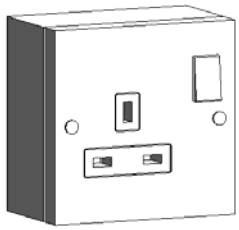
Electrical Element (Lighting Switch)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Switch box and switch	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed switch box and switch	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

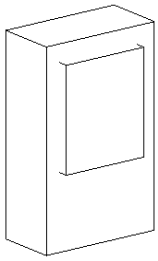
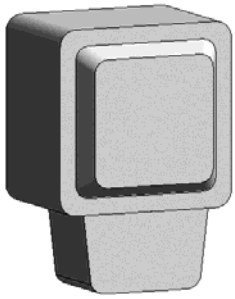
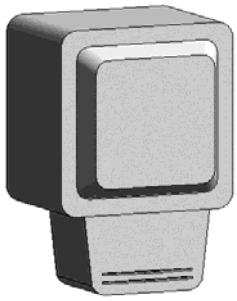
Electrical Element (Lighting Switch - Weatherproof)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Weatherproof switch box and switch	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed weatherproof switch box and switch	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

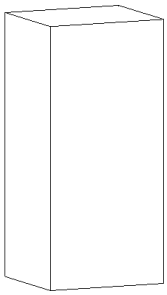
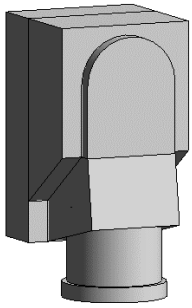
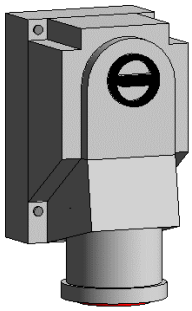
Electrical Element (13A 3 Pin Switched Socket Outlet)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Socket box and switch	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed socket box and switch	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

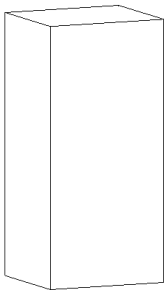
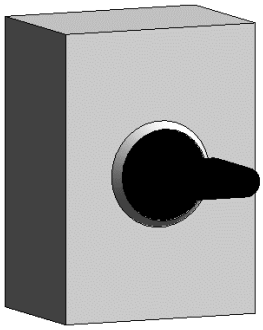
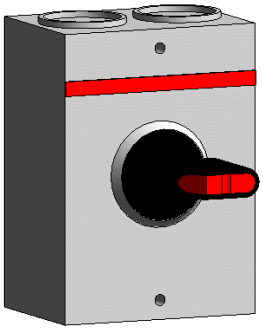
Electrical Element (13A 3 Pin Switched Socket Outlet - Weatherproof)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Weatherproof socket box	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed weatherproof socket box	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

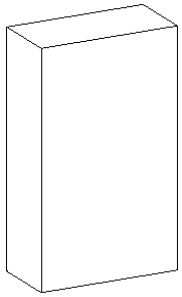
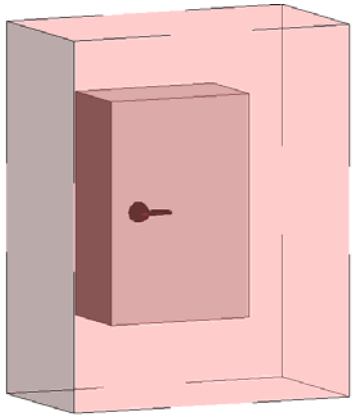
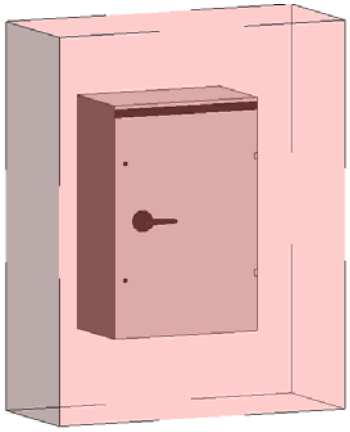
Electrical Element (16A 3 Phase 5 Pin Switched Socket Outlet)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Socket box	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed socket box - Switch	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

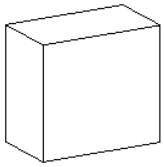
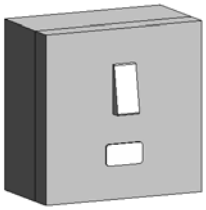
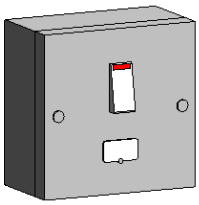
Electrical Element (Single Phase Isolator)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handle - Single phase isolator housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handle - Detailed single phase isolator housing	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

Electrical Element (Three Phase Isolator)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handle - Three phase isolator housing - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handle - Detailed three phase isolator housing - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

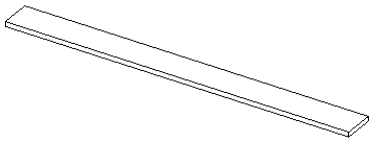
Electrical Element (Fuse Connection Unit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Switch box and switch - Fuse carrier	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed switch box and switch - Detailed fuse carrier	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

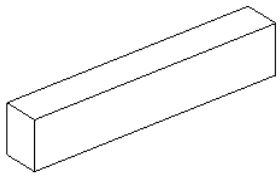
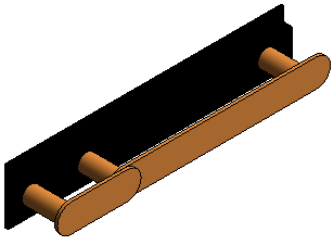
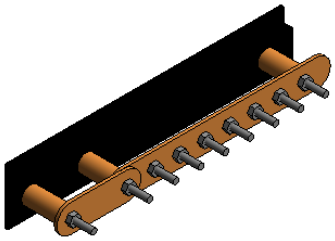
Electrical Element (Earthing Electrode)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Earthing electrode	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed earthing electrode - Driving head - Taper coupling	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

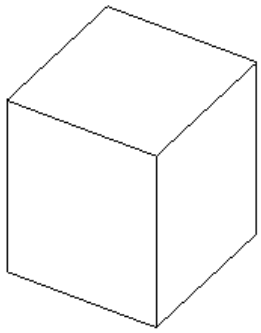
Electrical Element (Earthing Conductor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Earthing conductor	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Earthing conductor	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

Electrical Element (Earthing Terminal)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting base - Earth bar	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting base - Earth bar - Termination screws	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

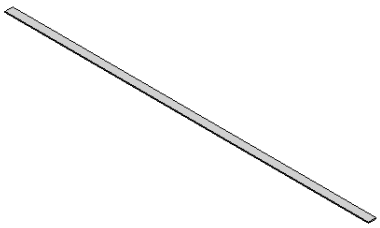
Electrical Element (Earth Pit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Cover	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Detailed cover	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

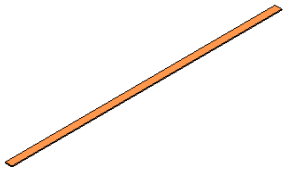
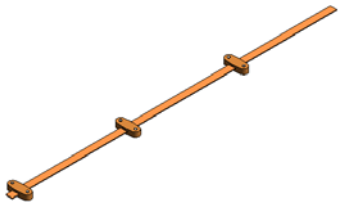
Electrical Element (Lightning Terminal)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Lightning terminal	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed lightning terminal	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

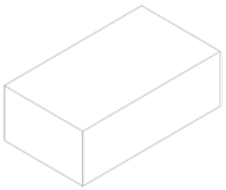
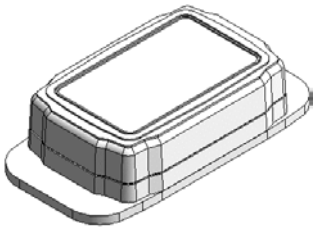
Electrical Element (Copper Tape)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Copper tape	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Copper tape - DC clip	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

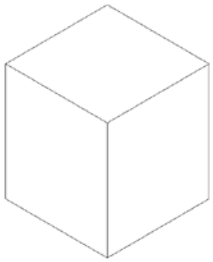
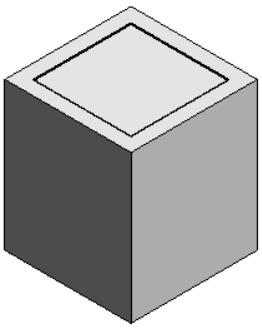
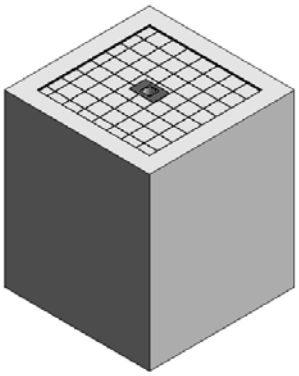
Electrical Element (Down Conductor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Down conductor	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Down conductor - DC clip	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

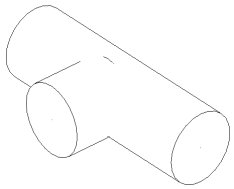
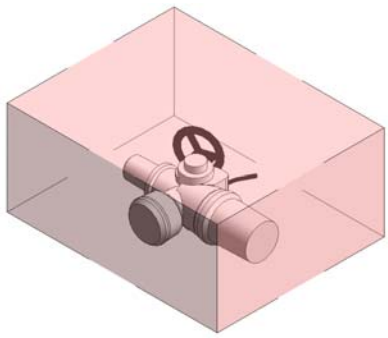
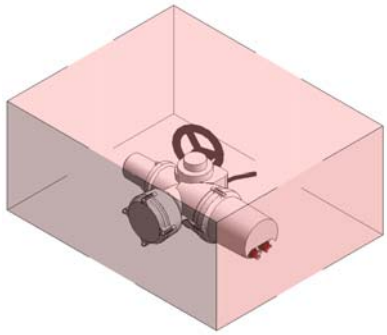
Electrical Element (Lightning Stroke Counter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Base plate - Counter body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed base plate - Detailed counter body - Reader - Connector	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

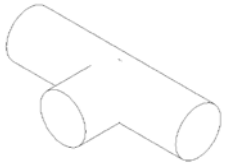
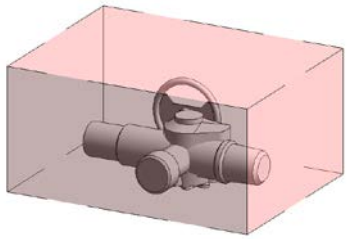
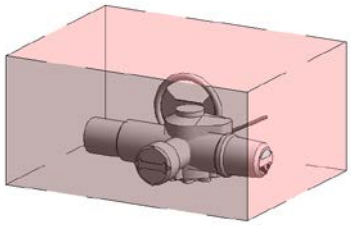
Electrical Element (Lightning Pit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Cover	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Detailed cover	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

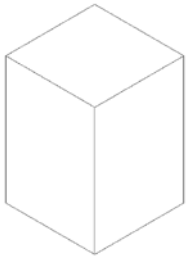
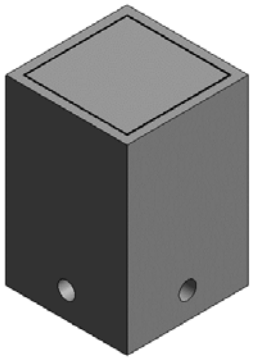
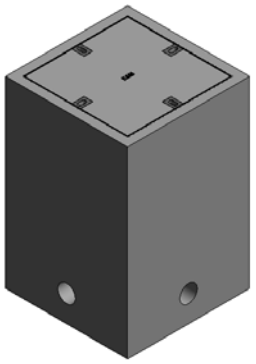
Electrical Element (Actuator)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Actuator body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Detailed actuator body - Selector - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

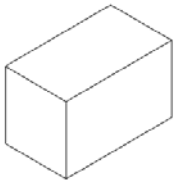
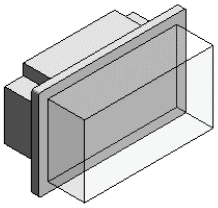
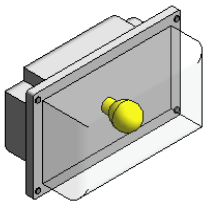
Electrical Element (Actuator - Large)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Actuator body - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Handwheel - Detailed actuator body - Selector - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

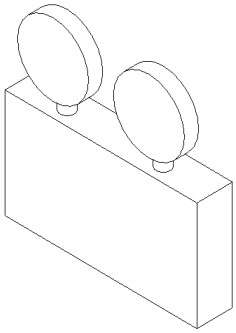
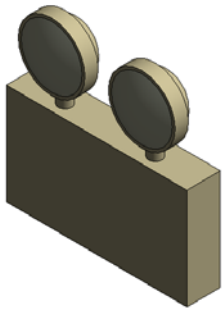
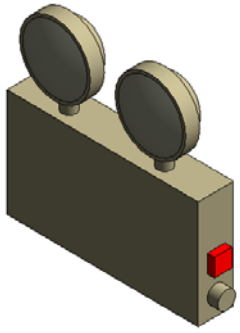
Electrical Element (Cable Draw Pit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Cover	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slab - Wall - Detailed cover	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

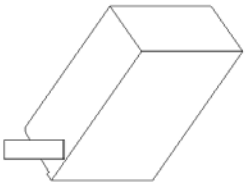
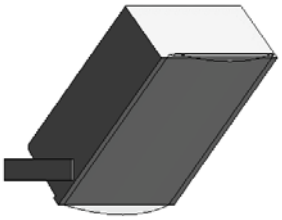
Building Services Element (Bulkhead Light)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fitting	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: The model element shall include: - Detailed fitting - Lamp tube	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

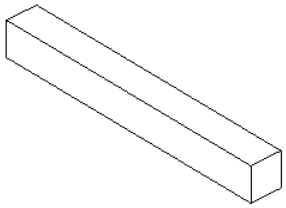
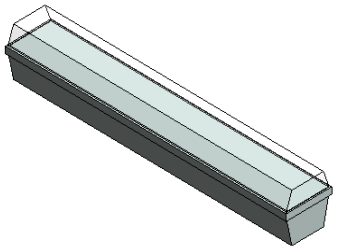
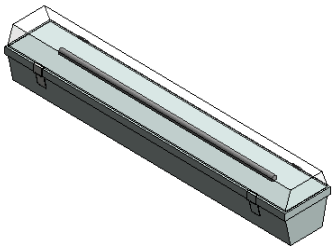
Building Services Element (Emergency Light)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fitting - Head lamp	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fitting - Head lamp - Battery indication lamp - Test button	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

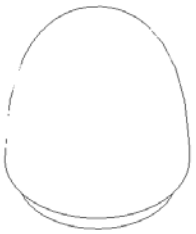
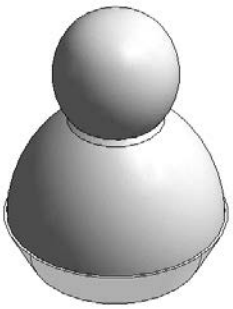
Building Services Element (Floodlight)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fitting	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed fitting - Lamp tube	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

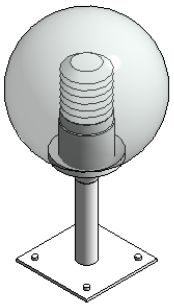
Building Services Element (Fluorescent Light)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fitting	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed fitting - Lamp tube	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

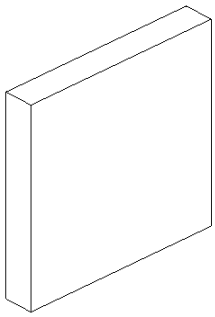
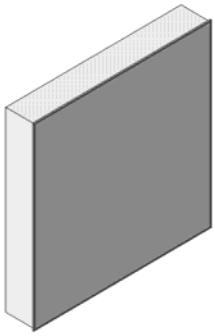
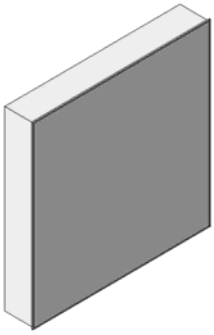
Building Services Element (High Bay Light)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fitting	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed fitting	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

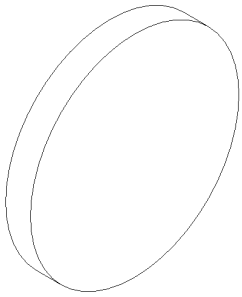
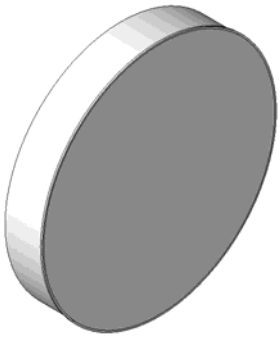
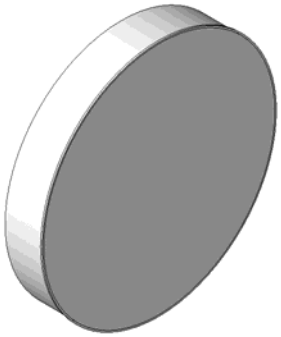
Building Services Element (Perimeter Lighting)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fitting - Lamp tube	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed fitting - Lamp tube	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

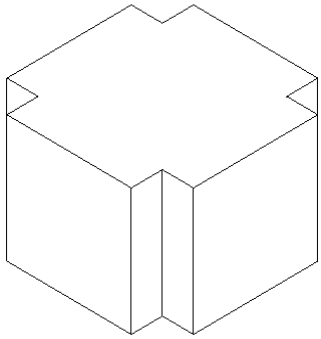
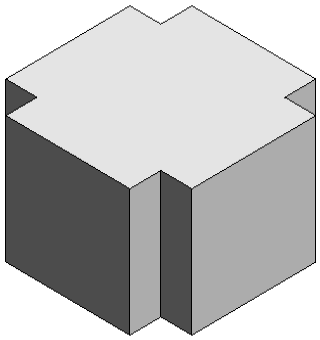
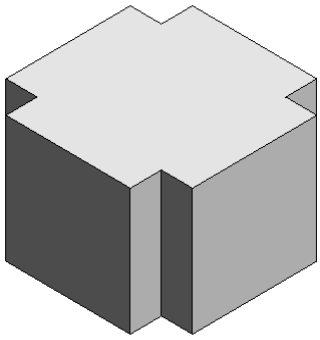
Building Services Element (Rectangular Duct Cap)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct cap	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct cap	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

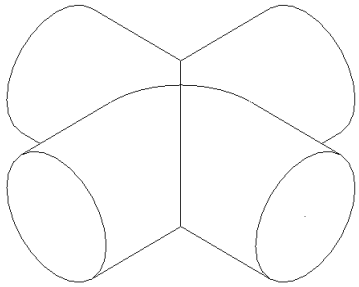
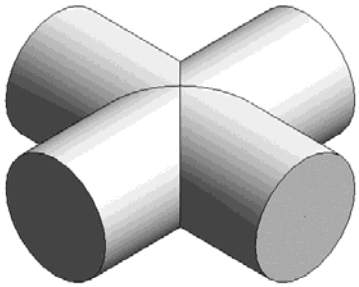
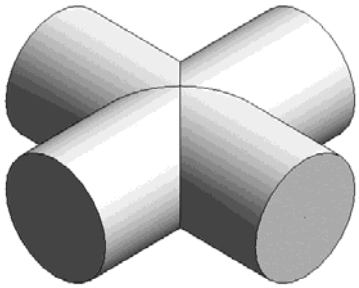
Building Services Element (Round Duct Cap)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct cap	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct cap	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

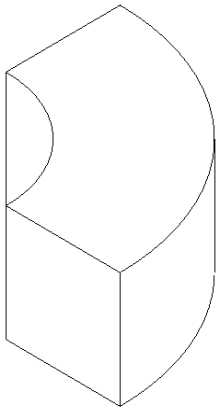
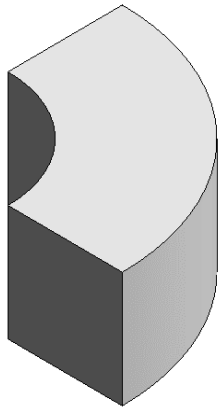
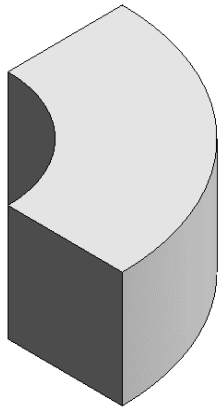
Building Services Element (Rectangular Duct Cross)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct cross	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct cross	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

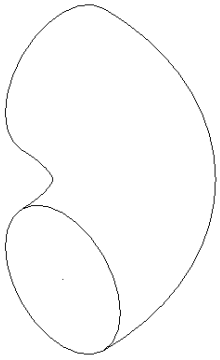
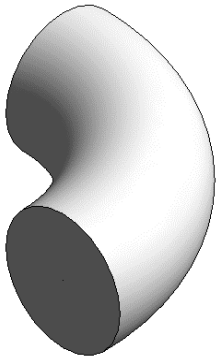
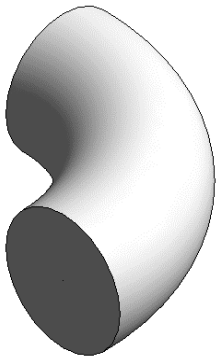
Building Services Element (Round Duct Cross)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct cross	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct cross	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

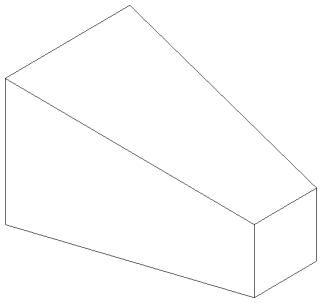
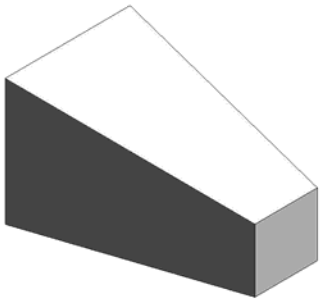
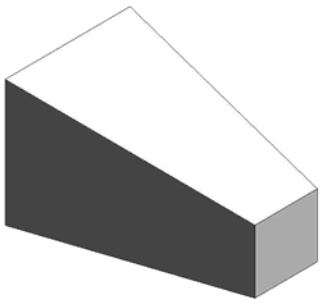
Building Services Element (Rectangular Duct Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct elbow	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct elbow	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

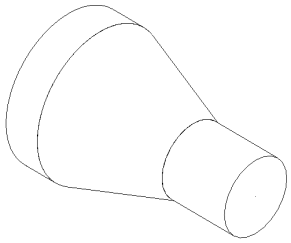
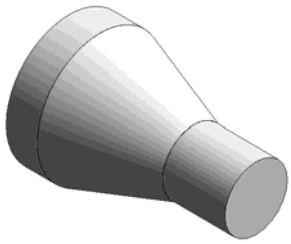
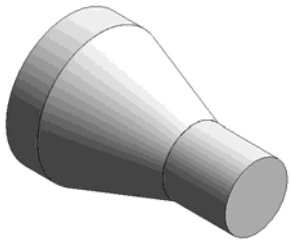
Building Services Element (Round Duct Elbow)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct elbow	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct elbow	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

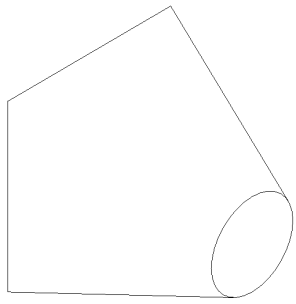
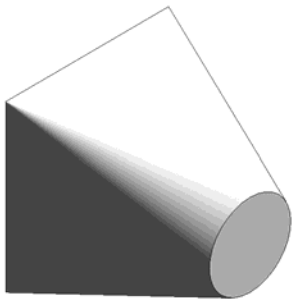
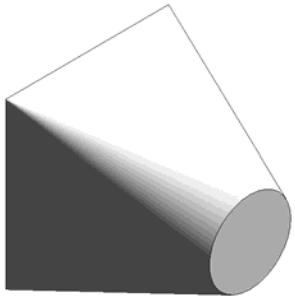
Building Services Element (Rectangular Duct Reducer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct reducer	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct reducer	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

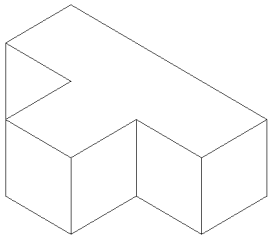
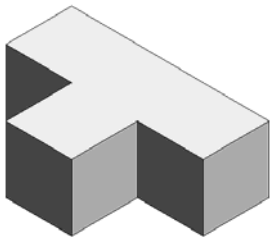
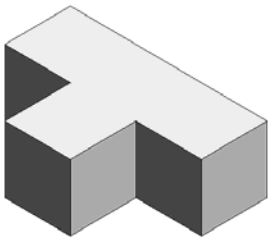
Building Services Element (Round Duct Reducer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct reducer	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct reducer	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

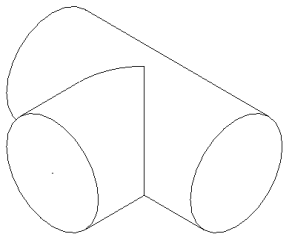
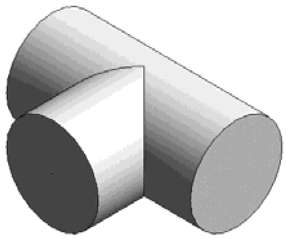
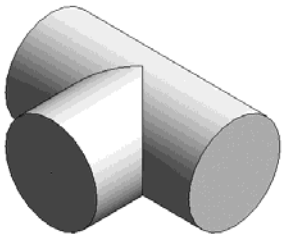
Building Services Element (Rectangular to Round Duct Reducer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular to round duct reducer	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular to round duct reducer	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

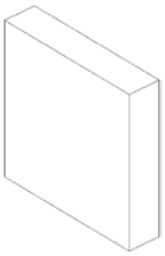
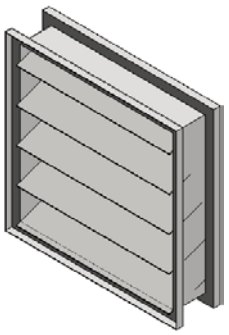
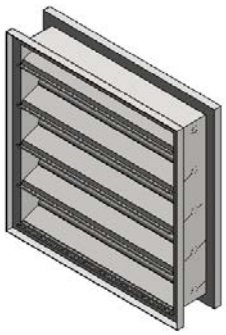
Building Services Element (Rectangular Duct Tee)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct tee	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Rectangular duct tee	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

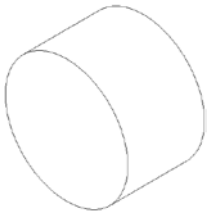
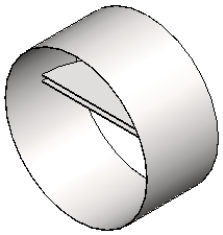
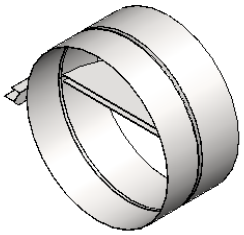
Building Services Element (Round Duct Tee)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct tee	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Round duct tee	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

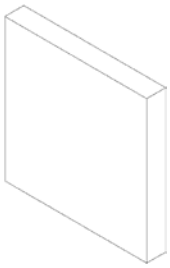
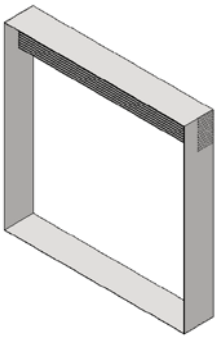
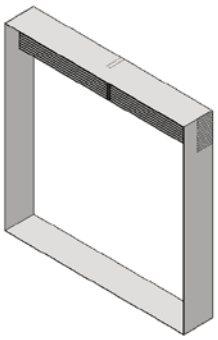
Building Services Element (Balancing Damper - Rectangular)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Blade	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed frame - Detailed blade	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

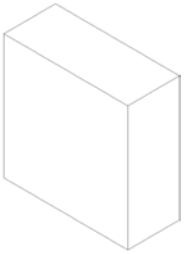
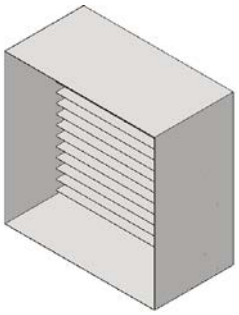
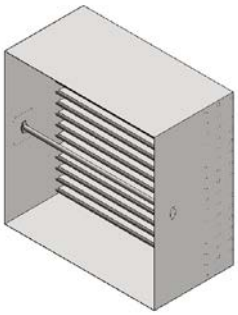
Building Services Element (Balancing Damper - Round)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Blade	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed frame - Detailed blade	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

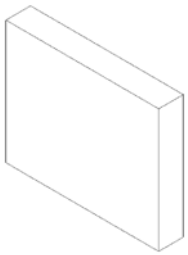
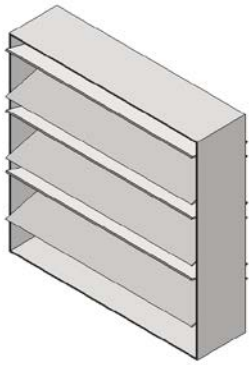
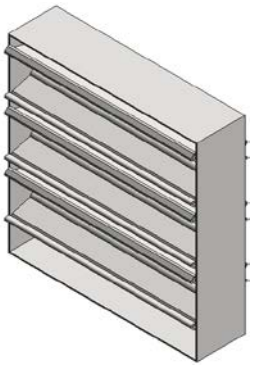
Building Services Element (Fire Damper)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Blade	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Detailed blade	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

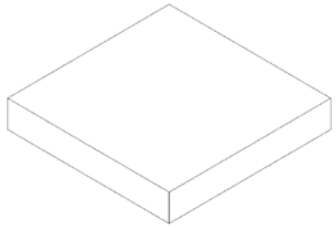
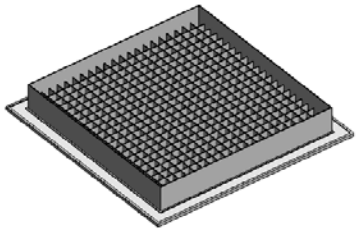
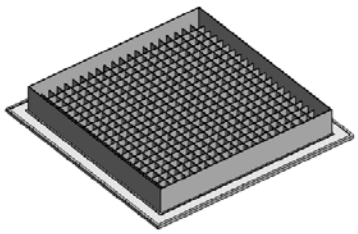
Building Services Element *(Smoke Damper)*

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Blade	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed frame - Detailed blade	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

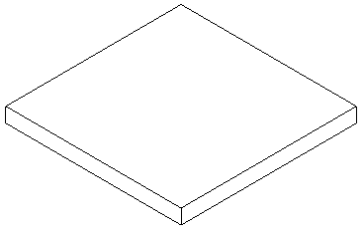
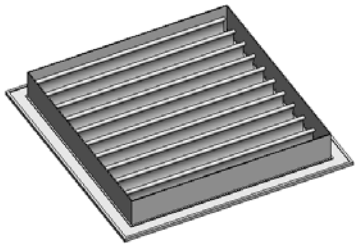
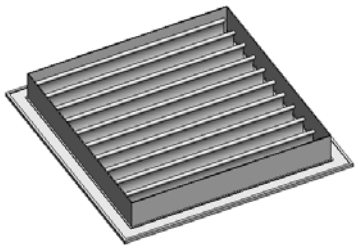
Building Services Element (Volume Control Damper - Rectangular)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Blade	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Detailed blade	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

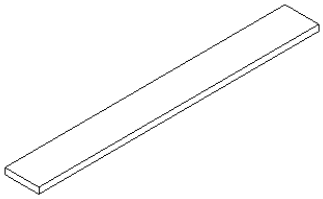
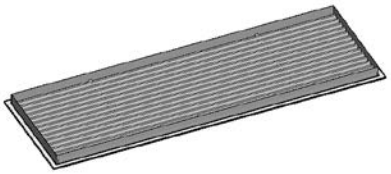
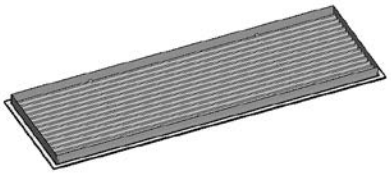
Building Services Element (Exhaust Grille)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Louvre	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Louvre	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

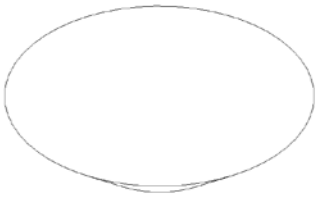
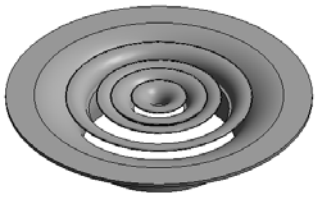
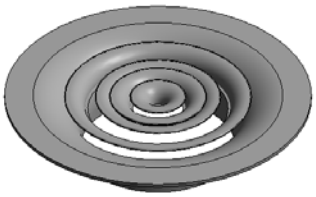
Building Services Element (Return Air Grille)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Louvre	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Louvre	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

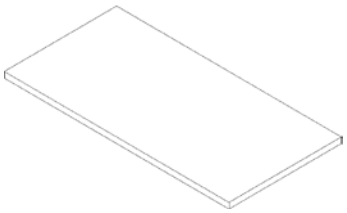
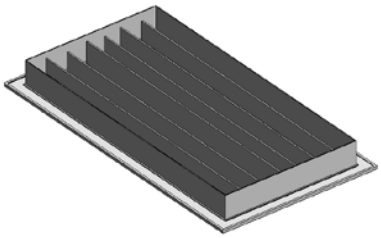
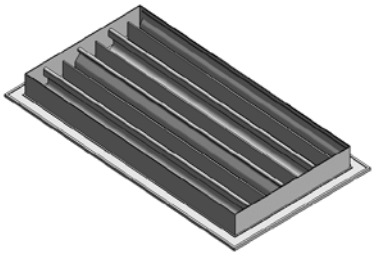
Building Services Element (Supply Air Grille)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Louvre	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Louvre	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

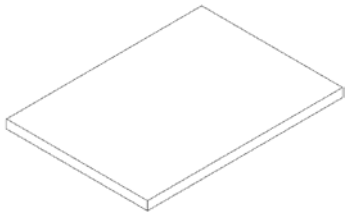
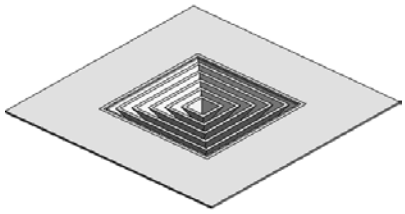
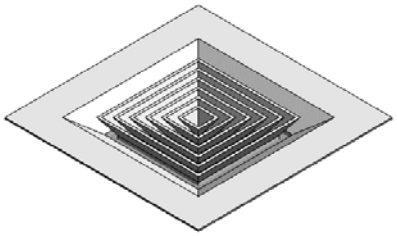
Building Services Element (Exhaust Diffuser)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Diffuser	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Diffuser	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

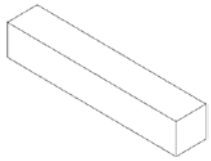
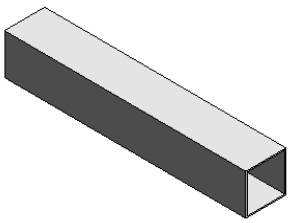
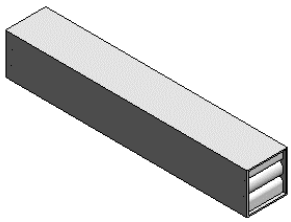
Building Services Element (Return Air Diffuser)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Grille	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Detailed grille	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

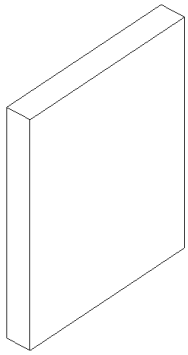
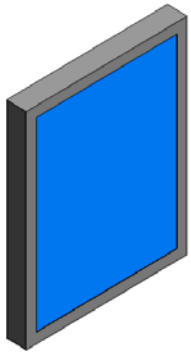
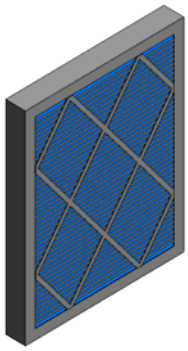
Building Services Element (Supply Air Diffuser)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Grille - Frame	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Grille - Detailed frame	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

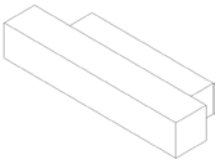
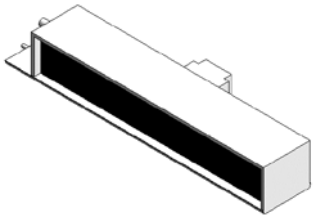
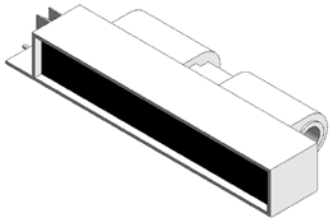
Building Services Element (Silencer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Slicencer	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed slicencer	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

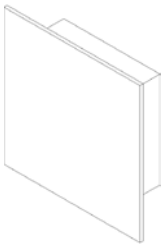
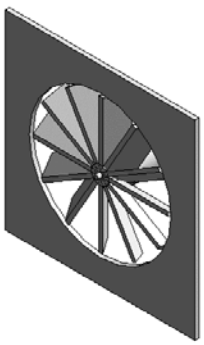
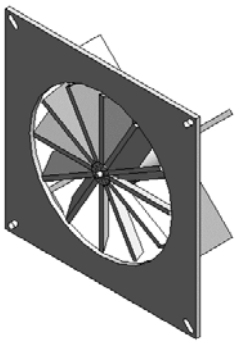
Building Services Element (Filter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Filter	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Detailed filter	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

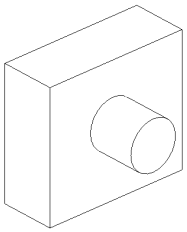
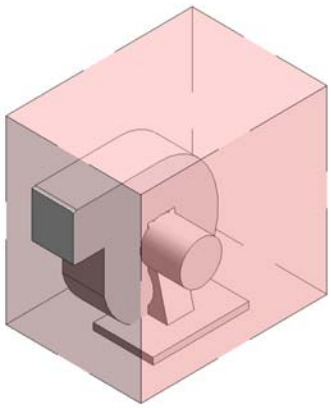
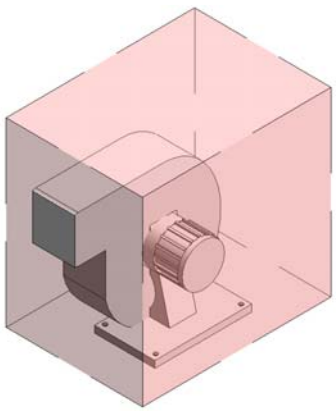
Building Services Element (Fan Coil Unit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Louvre - Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Louvre - Detailed body - Fan	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

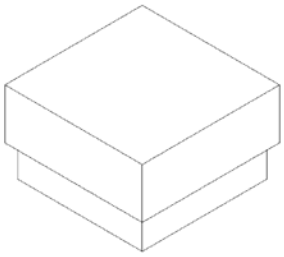
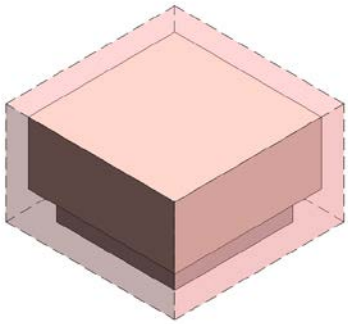
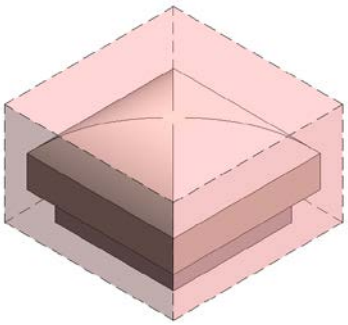
Building Services Element (Axial Fan)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Blade - Body - Motor	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Blade - Detailed body - Detailed motor	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

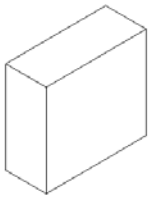
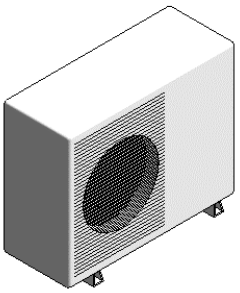
Building Services Element (Centrifugal Fan)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Centrifugal fan housing - Motor - Mounting frame - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Centrifugal fan housing - Detailed motor - Detailed mounting frame - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

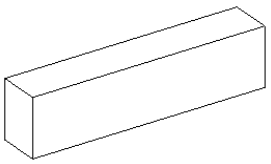
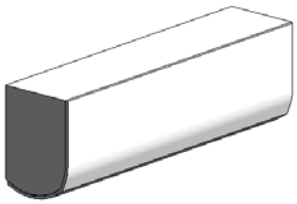
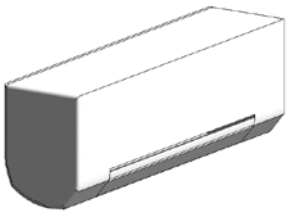
Building Services Element (Roof Extract Fan)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed body	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

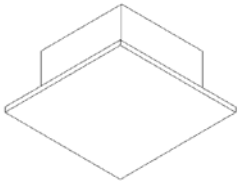
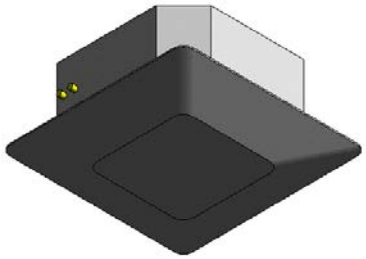
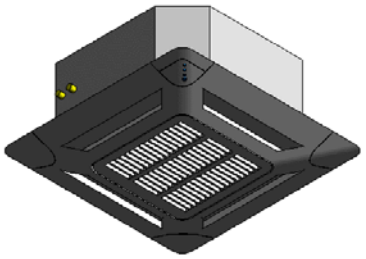
Building Services Element (Split Type Air Conditioner - Outdoor Unit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting frame - Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting frame - Detailed body	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

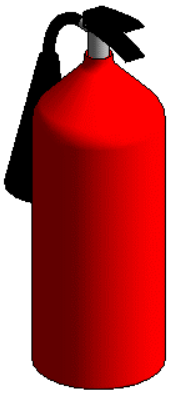
Building Services Element (Split Type Air Conditioner - Wall Mount Indoor Unit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed body - Louvre - Button - Indication lamp	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

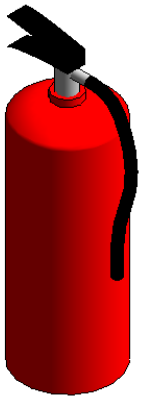
Building Services Element (Split Type Air Conditioner - Ceiling Mount Indoor Unit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed body - Louvre - Button - Indication lamp	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

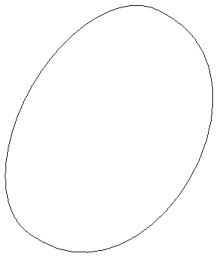
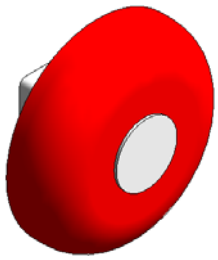
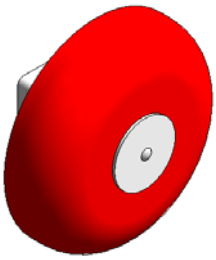
Building Services Element (CO2 Fire Extinguisher)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Body - Nozzle	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed body - Detailed nozzle	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

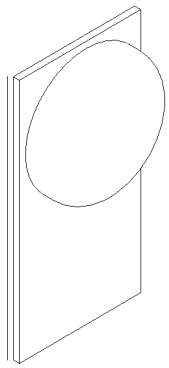
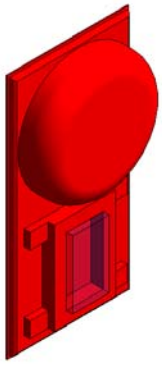
Building Services Element (H2O Fire Extinguisher)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Body - Nozzle	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed body - Detailed nozzle	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

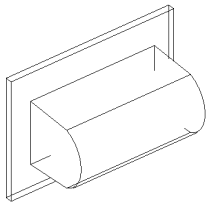
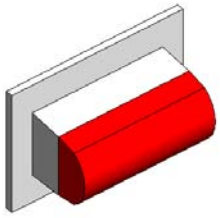
Buildling Services Element (Alarm Bell - Gong)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Alarm bell	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed alarm bell	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

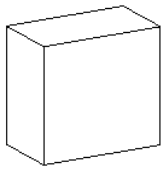
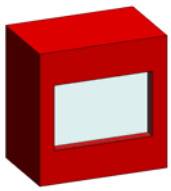
Buildling Services Element (Alarm Bell - Flashlight)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Alarm bell - Flashlight	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed alarm bell - Detailed flashlight	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

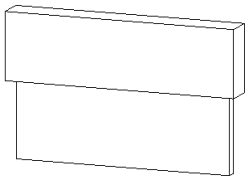
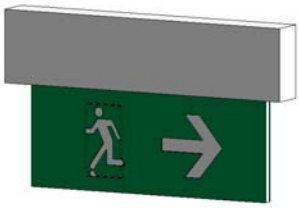
Building Services Element (Indication Lamp)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Base plate - Lamp box	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed base plate - Detailed lamp box	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

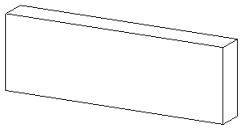
Building Services Element (Breakglass Unit)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Breakglass box	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed breakglass box	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

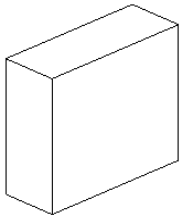
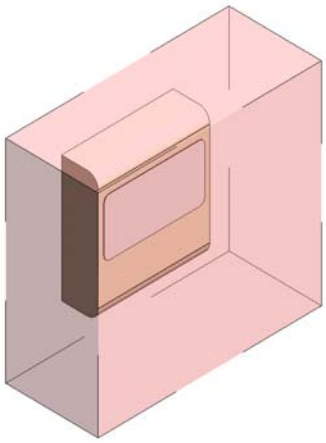
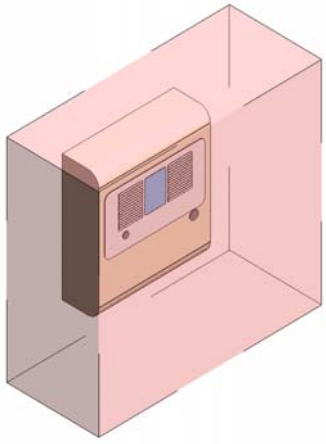
Buildling Services Element (Directional Exit Sign)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Directional exit sign housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Directional exit sign housing - Indication lamp	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

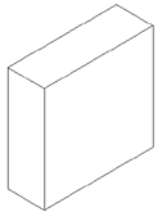
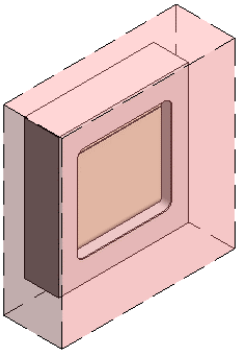
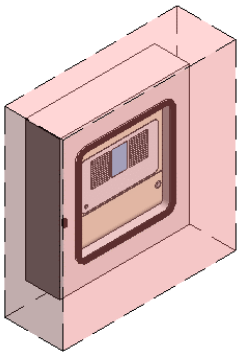
Building Services Element (Exit Sign)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Exit sign housing	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Exit sign housing - Indication lamp	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

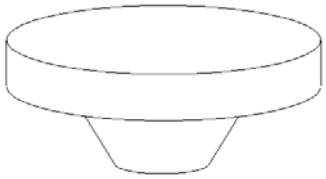
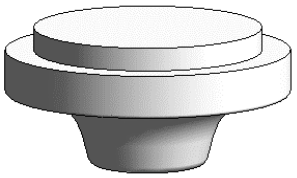
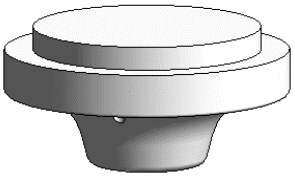
Building Services Element (Main Fire Alarm and Indication Panel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fire alarm and indication panel - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Fire alarm and indication panel - Button - Display - Key lock - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

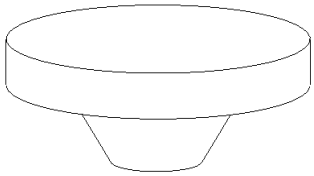
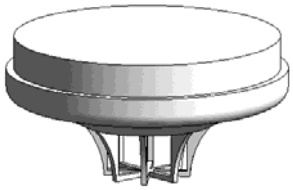
Building Services Element (Weatherproof Local Fire Alam and Indication Panel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Enclosure - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed enclosure - Button - Display - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

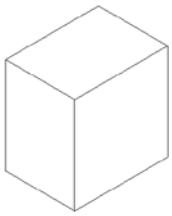
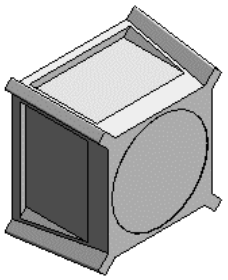
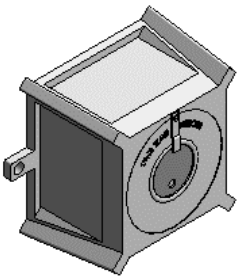
Building Services Element (Flame Detector)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flame detector housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flame detector housing	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

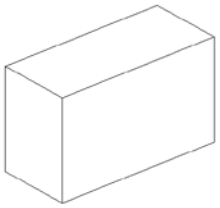
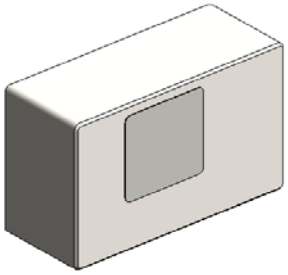
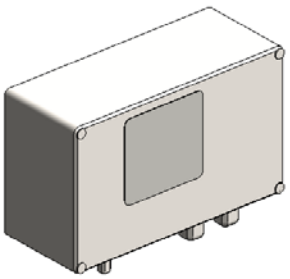
Building Services Element (Heat Detector)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Heat detector housing	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed heat detector housing	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

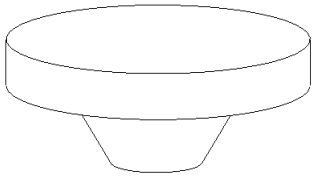
Building Services Element (Infra Red Detector)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Infra red detector housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed infra red detector housing	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element. The model element shall include:	- Installed Date	as-built

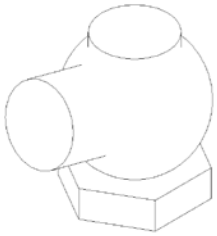
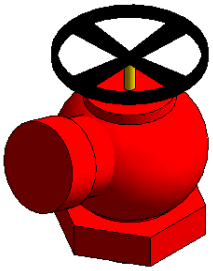
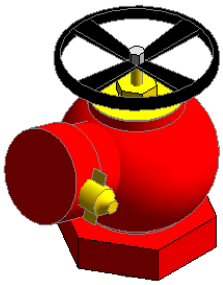
Building Services Element (Linear Heat Detector)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. - Linear heat detector housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed linear heat detector housing - Cable gland	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

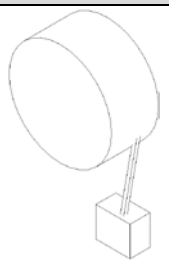
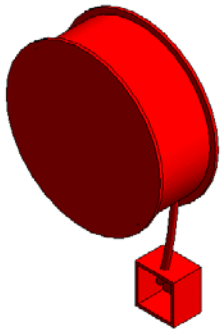
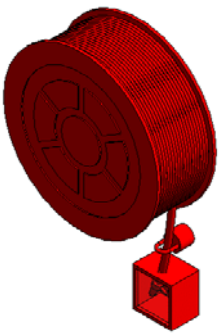
Building Services Element (Smoke Detector)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Smoke detector housing	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed smoke detector housing	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

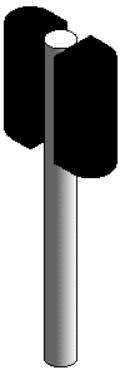
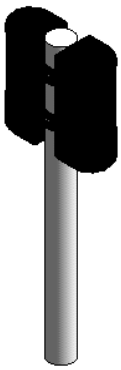
Building Services Element (Fire Hydrant)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Hand Wheel - Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Hand Wheel - Detail body	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

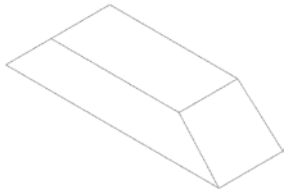
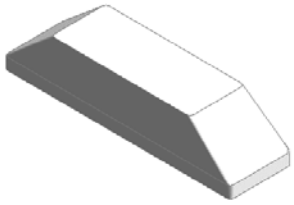
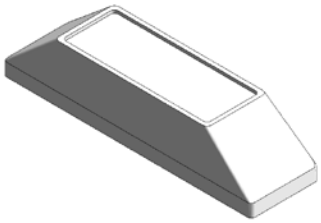
Building Services Element (Hose Reel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Nozzle Box - Hose reel body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Nozzle Box - Detailed hose reel body - Hose guide - Nozzle	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element. The model element shall include:	- Installed Date	as-built

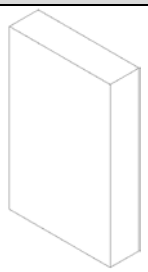
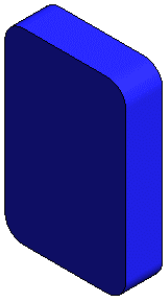
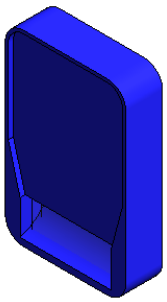
Building Services Element (Burglar Infra Red Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting pole - Sensor	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Mounting pole - Detailed sensor	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

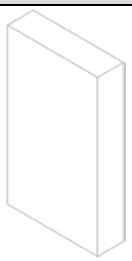
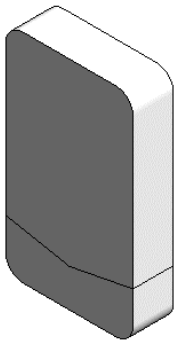
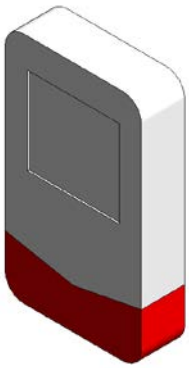
Building Services Element (Burglar Electromagnetic Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed sensor	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

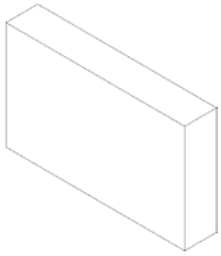
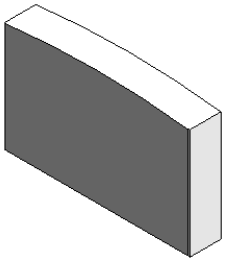
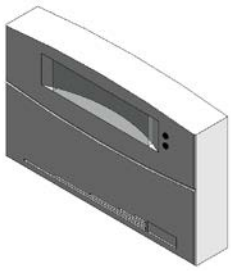
Building Services Element (Burglar Alarm Bell)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Alarm bell body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed alarm bell body - Lamp	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

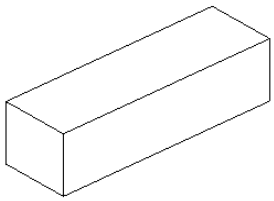
Building Services Element (Burglar Flashing Light)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed body	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

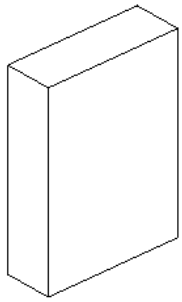
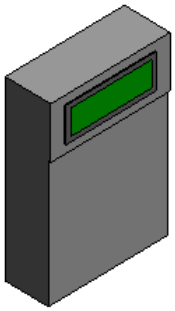
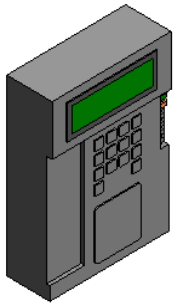
Building Services Element (Burglar Alarm Panel)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Panel body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed panel body - Display - Button	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

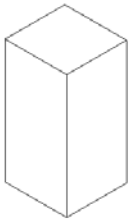
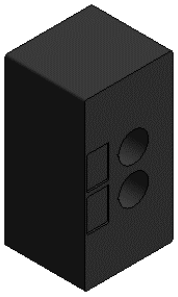
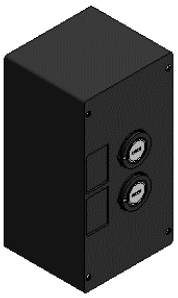
Building Services Element (Electromagnetic Door Lock)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Door lock body	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed door lock body	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

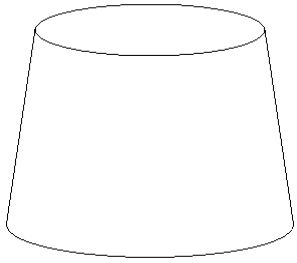
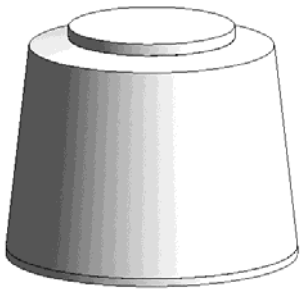
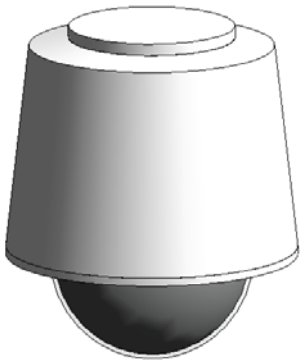
Building Services Element (Card Reader)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Card reader housing - Display	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed card reader housing - Display - Key pad	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

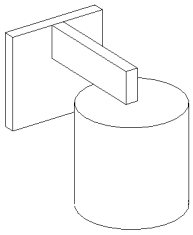
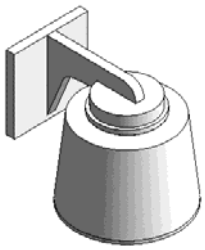
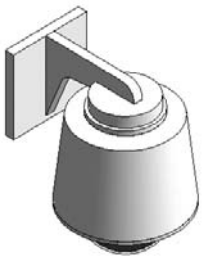
Building Services Element (Override Keyswitch)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Body	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed body - Keyswitch	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

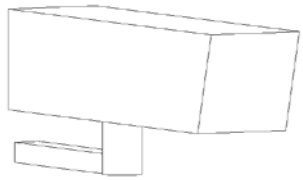
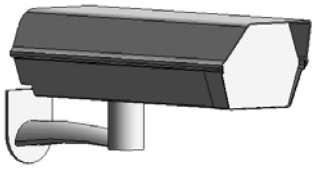
Building Services Element (Dome Type Camera - Celing Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Camera housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Camera housing - Camera len	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

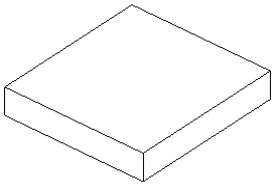
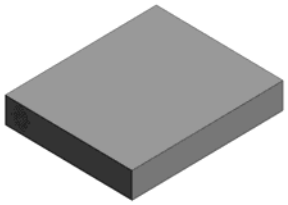
Building Services Element (Dome Type Camera - Wall Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Camera housing - Mounting bracket	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Camera housing - Mounting bracket - Camera len	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

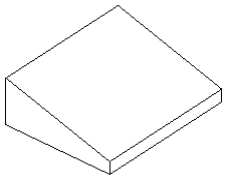
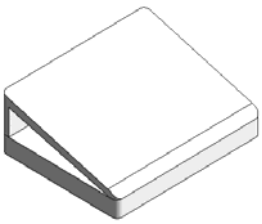
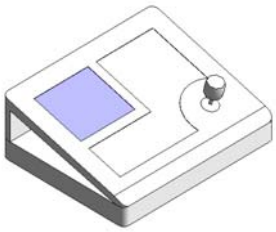
Building Services Element (Gun Type Camera)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Camera housing - Mounting bracket	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed camera housing - Detailed mounting bracket - Len	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

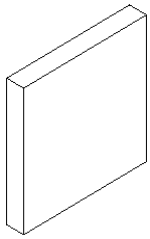
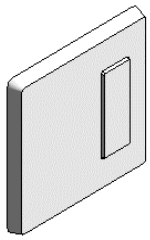
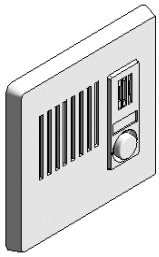
Building Services Element (Digital Video Recoder)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Digital video recoder housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed digital video recoder housing - Button	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

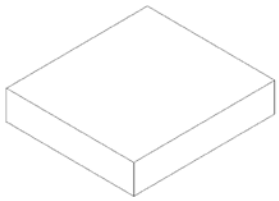
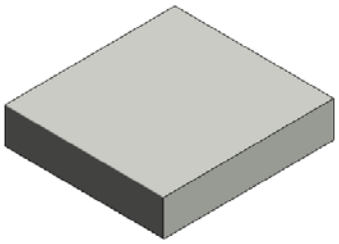
Building Services Element (Pan,Tilt and Zoom Controller)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Pan,tilt and zoom controller housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed pan,tilt and zoom controller housing - Display - Joystick	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

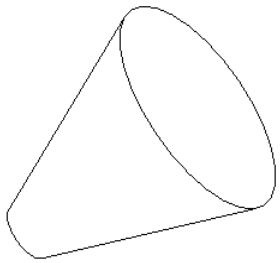
Building Services Element (Intercom)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Intercom cover	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Intercom cover - Speaker or microphone - Call button	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

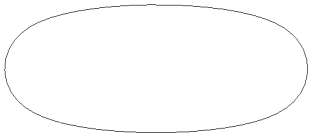
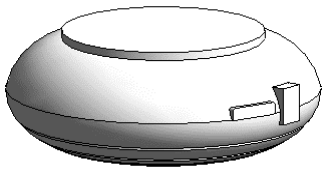
Building Services Element (PA System Master Control Station)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Display - Button	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

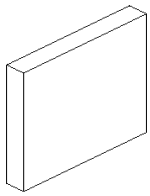
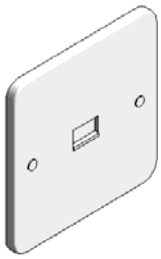
Building Services Element (Speaker - Wall Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Speaker body	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed speaker body	- Material	specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

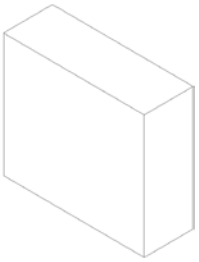
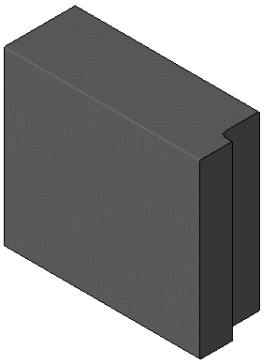
Building Services Element (Speaker - Ceiling Mount)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Speaker body	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed speaker body	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

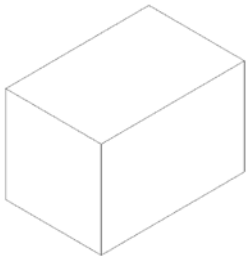
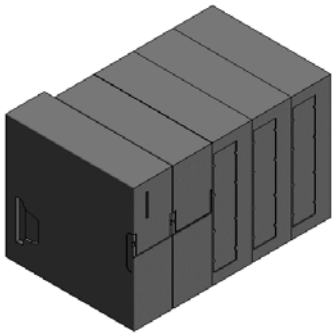
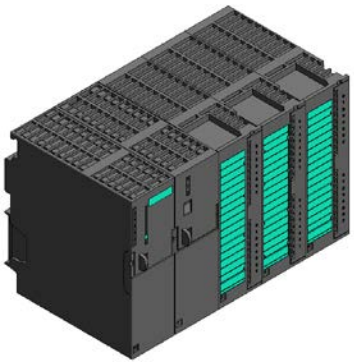
Building Services Element (Telephone Connection Point)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Telephone connection point cover	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed telephone connection point cover	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

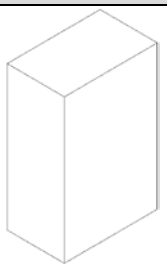
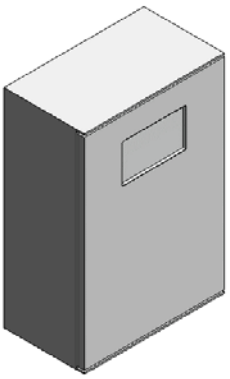
Control and Instrumentation Element (Workstation)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

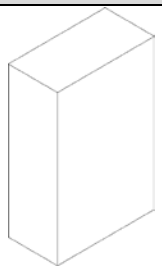
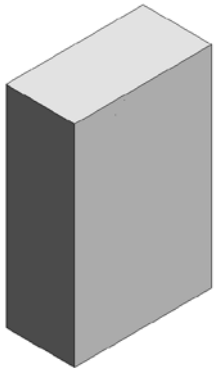
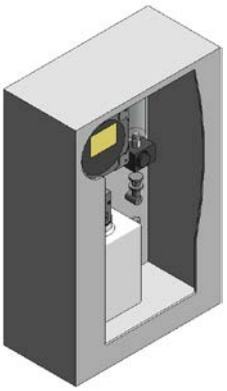
Control and Instrumentation Element (Programmable Logic Controller)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Module	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed module - Button - Indication lamp	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

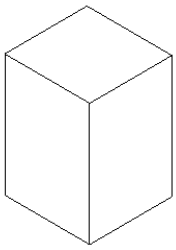
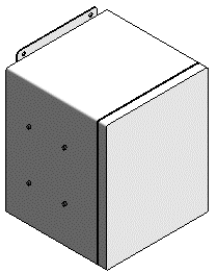
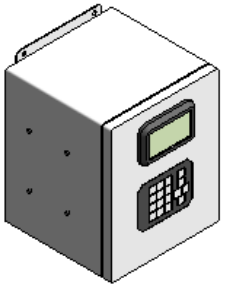
Control and Instrumentation Element (Ammonia Analyzer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Analyzer housing - Display	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Analyzer housing - Display - Mounting bracket - Cable gland	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

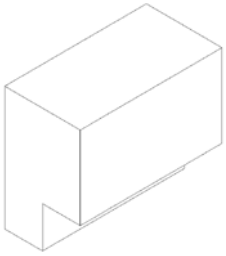
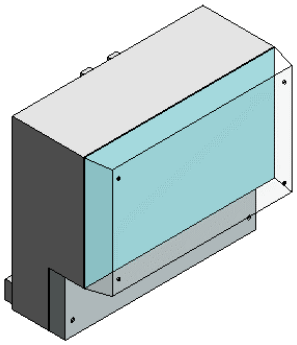
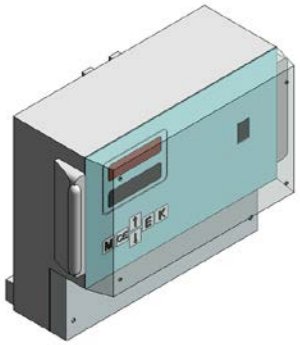
Control and Instrumentation Element (Chloride Analyzer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Analyzer housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Analyzer housing - Display - Button	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

Control and Instrumentation Element (Moisture Analyzer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor housing - Mounting plate	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor housing - Mounting plate - Display - Button	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

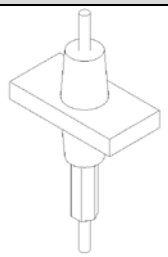
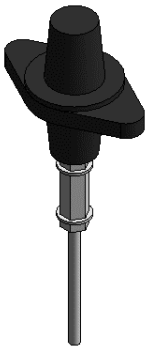
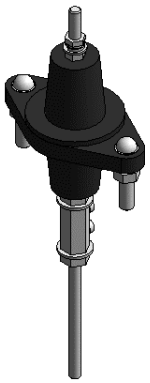
Control and Instrumentation Element (Nitrate Analyzer)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Analyzer housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed analyzer housing - Display - Button	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

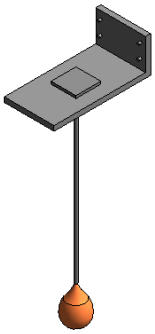
Control and Instrumentation Element (Hydrostatic Level Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor - Housing	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor - Detailed housing - Cable gland	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

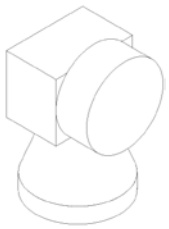
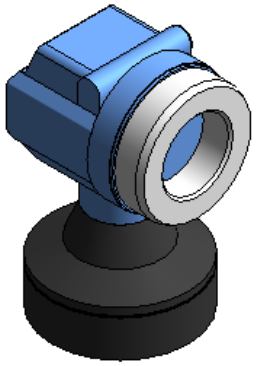
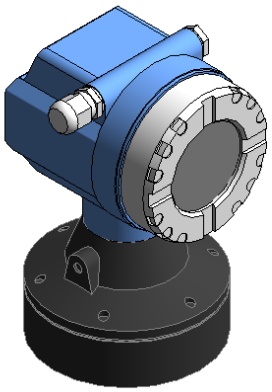
Control and Instrumentation Element (Level Electrode)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Electrode holder - Mounting plate - Electrode	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed electrode holder - Detailed mounting plate - Eelectrode	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

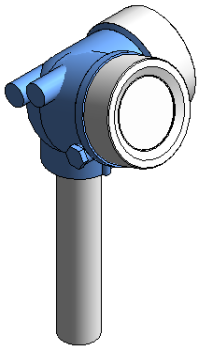
Control and Instrumentation Element (Float Switch)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor - Mounting bracket	- Asset Code	generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed sensor - Detailed mounting bracket	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

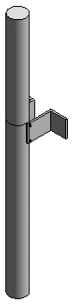
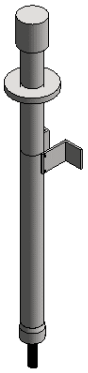
Control and Instrumentation Element (Ultrasonic Level Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Cable gland	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

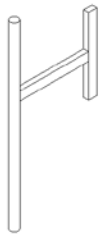
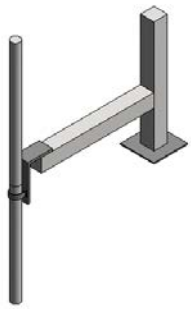
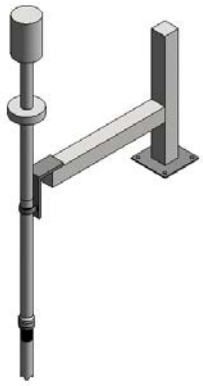
Control and Instrumentation Element (Microwave Level Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Antenna	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Detailed antenna - Cable gland - Display	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

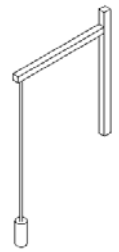
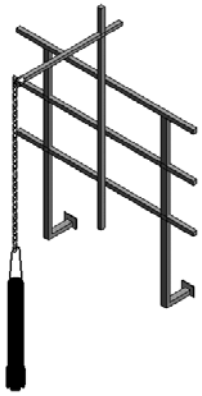
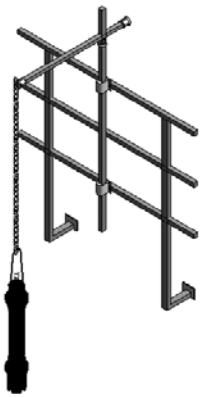
Control and Instrumentation Element (Suspended Solids Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed sensor	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

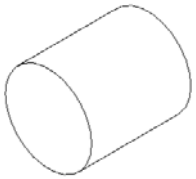
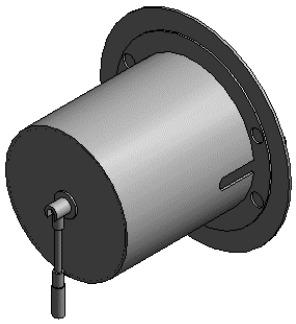
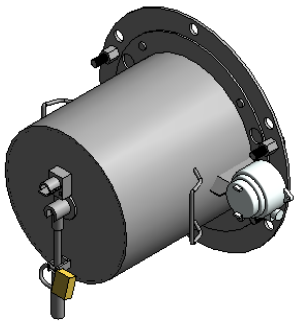
Control and Instrumentation Element (Dissolved Oxygen Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor - Mounting frame	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed sensor - Detailed mounting frame	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

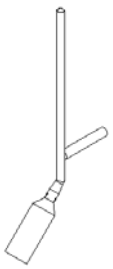
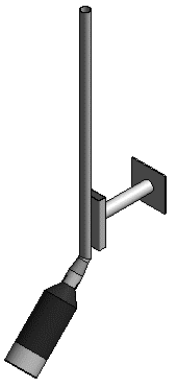
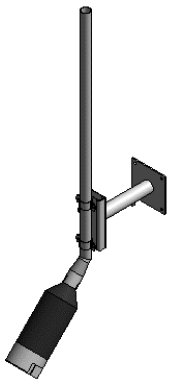
Control and Instrumentation Element (Ammonium Nitrogen Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor - Mounting frame	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed sensor - Detailed mounting frame	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

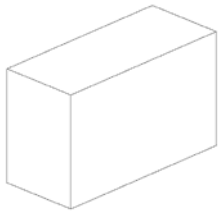
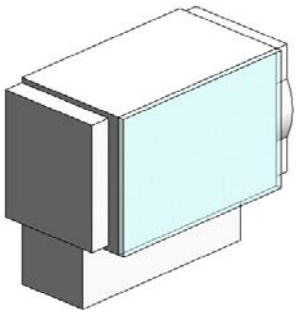
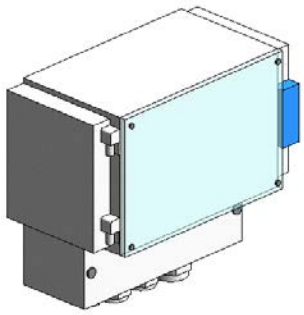
Control and Instrumentation Element (Moisture Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor housing - Mounting plate	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed sensor housing - Detailed mounting plate	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

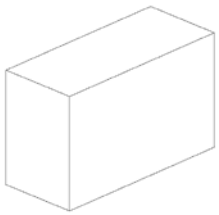
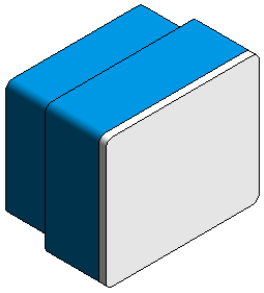
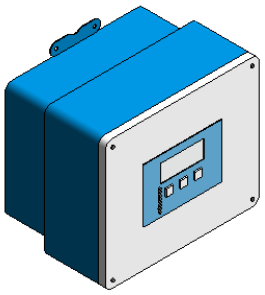
Control and Instrumentation Element (Nitrate Sensor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Sensor - Mounting frame	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed sensor - Detailed mounting frame	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

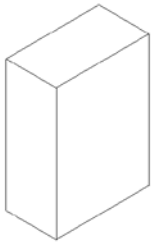
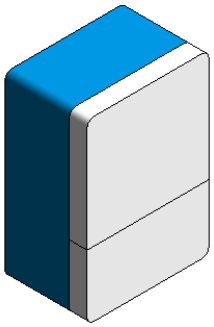
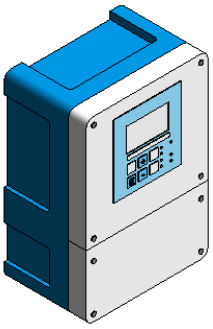
Control and Instrumentation Element (Hydrostatic Level Transmitter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Cable gland	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

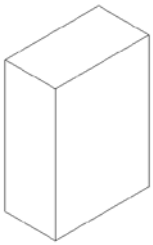
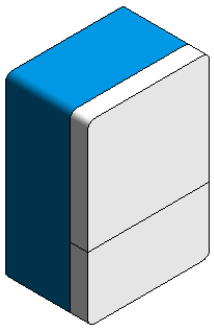
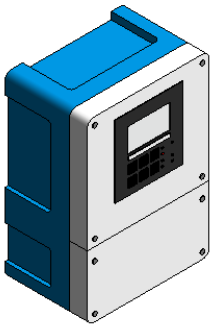
Control and Instrumentation Element (Ultrasonic Level Transmitter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Mounting bracket - Button - Display	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

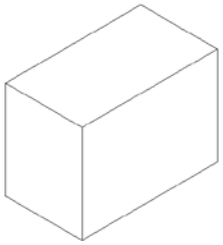
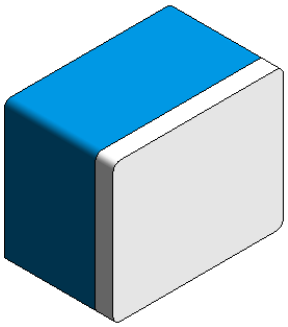
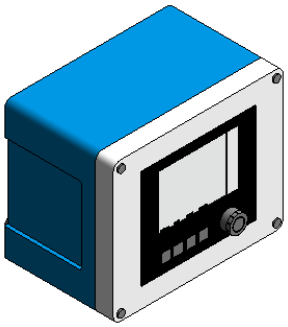
Control and Instrumentation Element (Suspended Solids Transmitter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Button - Display	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

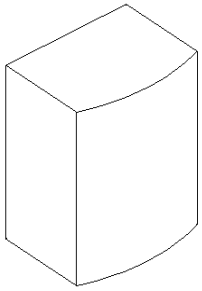
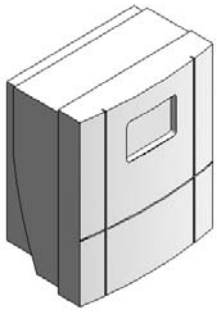
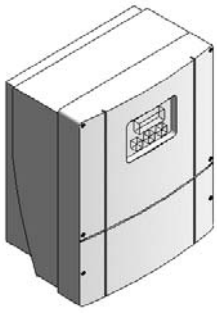
Control and Instrumentation Element (Dissolved Oxygen Transmitter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Button - Display	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

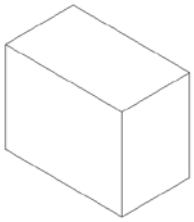
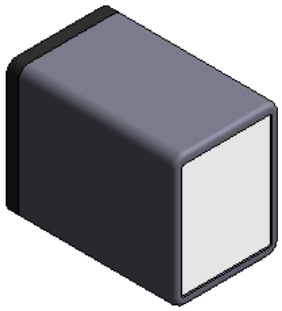
Control and Instrumentation Element (Ammonium Nitrogen Transmitter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Button - Display	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

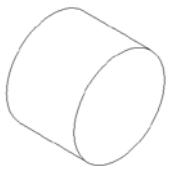
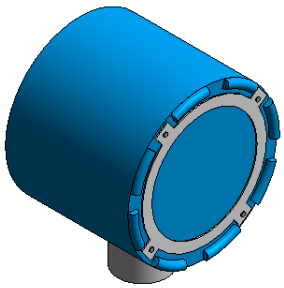
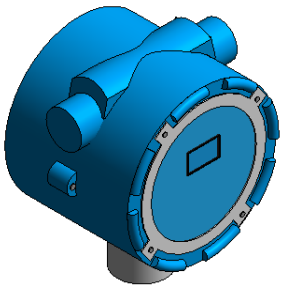
Control and Instrumentation Element (Flowmeter Transmitter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flowmeter transmitter housing - Display	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flowmeter transmitter housing - Display - Button	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

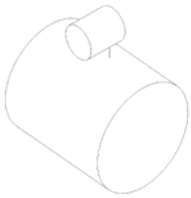
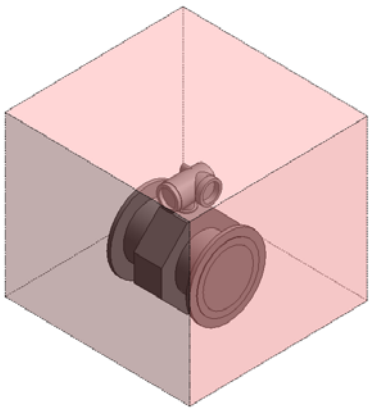
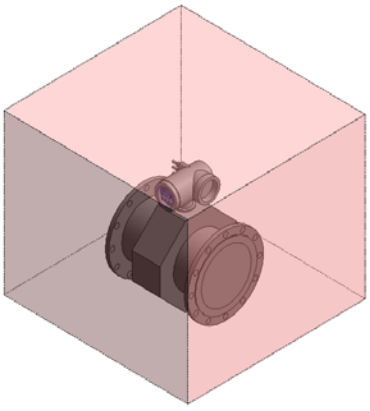
Control and Instrumentation Element (Level Transmitter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Knob - Indication lamp	- Material	specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

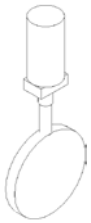
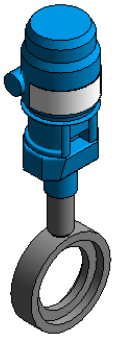
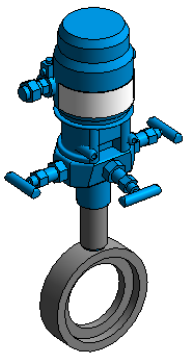
Control and Instrumentation Element (Methane Gas Detector)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Cable gland - Display	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

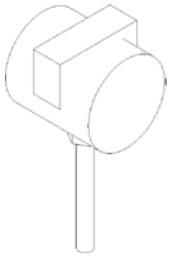
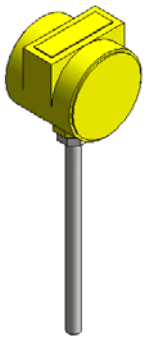
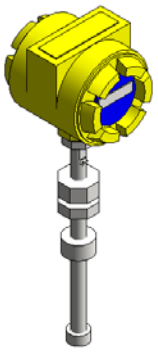
Control and Instrumentation Element (Electromagnetic Flowmeter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Flange - Clearance or maintenance space	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed flange - Display - Button - Cable gland - Clearance or maintenance space	- Material	 specific
400	Model element is graphically represented within the model as a specific system, objector assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

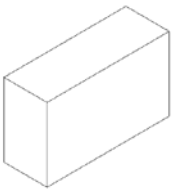
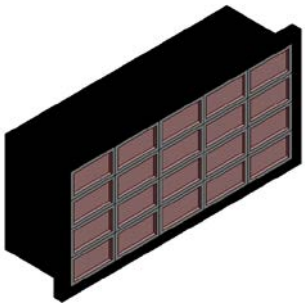
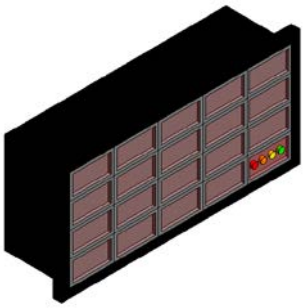
Control and Instrumentation Element (Orifice Plate Flowmeter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Cable gland	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

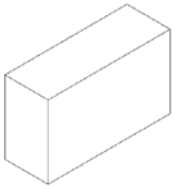
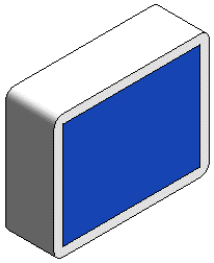
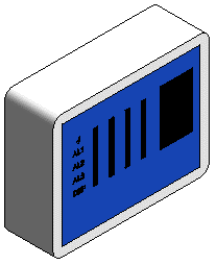
Control and Instrumentation Element (Gas Flowmeter)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Detailed housing - Display	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

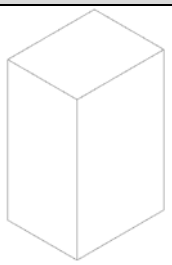
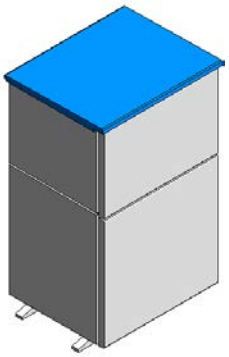
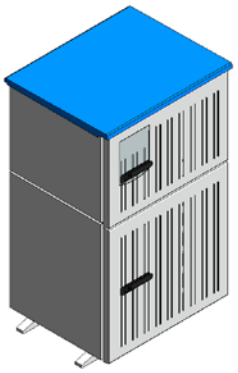
Control and Instrumentation Element (Annunciator)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Panel	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Frame - Panel - Button	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

Control and Instrumentation Element (Gas Monitor)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Housing - Button - Display - Connector	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

Control and Instrumentation Element (Automatic Sludge Sampler)

LOD-G	Description	LOD-I	Example Images
100	Model element may be graphically represented in model with symbol or other generic representation.	- CAT Code	 schematic
200	Model element is graphically represented within the model as a generic system, object or assembly with approximate quantities, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Enclosure	- Asset Code	 generic
300	Model element is graphically represented within model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation. Non-graphic information may also be attached to the model element. The model element shall include: - Footing - Detailed enclosure - Keylock - Louvre	- Material	 specific
400	Model element is graphically represented within the model as a specific system, object or assembly in terms of quantity, size, shape, location and orientation with detailing fabrication, assembly and installation information. Non-graphic information may also be attached to the model element.	- Installed Date	as-built

Appendix K

COBie Sample Worksheets

COBie Sample Worksheets

This Appendix aims to provide users a better understanding of COBie worksheet. Users must be aware that these worksheets are for reference only.

1. **Instruction**

   Entries of “Instruction” is predefined in the COBie template. Users should not add, delete or edit any entry in this worksheet.

2. **PickLists**

   Entries of “PickLists” are similar to “Instruction” in that its content is predefined by the COBie template. Users should not add, delete or edit any entry in this worksheet. Users will frequently refer to “PickLists” to choose values for parameters.

3. Contacts

Entries of “Contacts” contain information regarding contributors of the current COBie file. The entries should be completed truthfully and carefully since entries from the other worksheets will make reference to entries from “Contact”.

Parameters	Example	Notes
Email	bim@dsd.gov.hk	
CreatedBy	bim@dsd.gov.hk	Reference to an entry from “Contact”
CreatedOn	2017-08-08T17:48:56	
Category	34-35 15 17 Project Engineer	Select from column M of “PickLists”
Company	Drainage Services Department	
Phone	2301 1110	
ExtSystem	Autodesk Revit 2015, Build: 20150702_1515(x64)	Automatically generated by plug-in
ExtObject	IfcPersonAndOrganization	Automatically generated by plug-in
ExtIdentifier	069a03f5-5daf-4057-82c7-8146d88562bf	Automatically generated by plug-in
Department	Drainage Services Department	
OrganizationCode	DSD	Refer to DEVB CSWP ARC V3.0.7.00
GivenName	Tai Man	
FamilyName	Chan	
Street	5 Gloucester Road	
PostalBox	PO Box 123	
Town	Wanchai	
StateRegion	Hong Kong Island	
PostalCode	00852	
Country	The Hong Kong Special Administrative Region	

4. **Facility**

Entries of "Facility" contain information about a building. COBie files are generated on a building-by-building basis; therefore, a large-scale project such as sewage treatment plant, may have multiple COBie files representing different buildings of a sewage treatment plant.

Parameters	Example	Notes
Name	Activated Sludge Pumping Station	
CreatedBy	bim@dsd.gov.hk	Reference to an entry from "Contact"
CreatedOn	2017-08-08T17:48:56	
Category	11-43 21 11 Sewage Treatment Facility	Select from column F of "PickLists"
ProjectName	Shek Wu Hui Sewage Treatment Works Further Expansion Phase 1A	
SiteName	Shek Wu Hui Sewage Treatment Works	
LinearUnits	Millimeters	Select from column AF of "PickLists"
AreaUnits	Square Meters	Select from column AB of "PickLists"
VolumeUnits	Cubic Meters	Select from column AG of "PickLists"
CurrencyUnit	Hong Kong Dollars	Supposed to select from column AC of "PickLists," but Hong Kong Dollars is unavailable
AreaMeasurement	Revit Default Area Calculation Method	
ExternalSystem	Autodesk Revit 2015, Build: 20150702_1515(x64)	Automatically generated by plug-in
ExternalProjectObject	IfcProject	Automatically generated by plug-in

ExternalProjectIdentifier	3eZGfqbOz95RdjNj2EOk3U	Automatically generated by plug-in
ExternalSiteObject	IfcSite	Automatically generated by plug-in
ExternalSiteIdentifier	3eZGfqbOz95RdjNj2EOk3S	Automatically generated by plug-in
ExternalFacilityObject	IfcBuilding	Automatically generated by plug-in
ExternalFacilityIdentifier	3eZGfqbOz95RdjNj2EOk3V	Automatically generated by plug-in
Description	n/a	
ProjectDescription	n/a	
SiteDescription	n/a	
Phase	Construction	

5. Floor

Entries of “Floor” are tied to levels in a BIM model. Users should avoid building unnecessary levels in a BIM model. Instead, users should use the offset function to reference elements to levels.

Parameters	Example	Notes
Name	01_B1_(+1.3mPD)	
CreatedBy	bim@dsd.gov.hk	Reference to an entry from “Contact”
CreatedOn	2017-08-08T17:48:56	
Category	Floor	Select from column G of “PickLists”
ExtSystem	Autodesk Revit 2015, Build: 20150702_1515(x64)	Automatically generated by plug-in
ExtObject	Levels	Automatically generated by plug-in
ExtIdentifier	79503529-d2a7-11d3-9162-0000863f27ad-0000330f	Automatically generated by plug-in
Description	n/a	
Elevation	1300	
Height	5950	

6. Space

Entries of “Space” are outputted from room and / or space of BIM models. Room and space have to be manually assigned by users. Normally, room and space are bounded by structural and architectural elements. Users can also define room and space by drawing boundary. Although room and space can both become entries in the COBie, users should only use space to avoid redundant entries in “Space”.

Parameters	Example	Notes
Name	Pump Room	
CreatedBy	bim@dsd.gov.hk	Reference to an entry from “Contact”
CreatedOn	2017-08-08T17:48:56	
Category	13-23 19 00 Utility Equipment Room	Select from column N of “PickLists”
FloorName	01_B1_(+1.3mPD)	
Description	n/a	
ExtSystem	Autodesk Revit 2015, Build: 20150702_1515(x64)	Automatically generated by plug-in
ExtObject	Spaces	Automatically generated by plug-in
ExtIdentifier	229666b8-944a-4cb5-a248-34534dc38c7c-005053c6	Automatically generated by plug-in
RoomTag	n/a	
UsableHeight	5400	
GrossArea	877.7417	
NetArea	877.7417	

7. **Type**

Entries of "Type" are outputted from families. Entries of "Type" refer to "Contact" and "PickLists," and occasionally "Attribute."

Parameters	Example	Notes
Name	MPU-PRC-DSD-CI-___	Reference to the object name
CreatedBy	bim@dsd.gov.hk	Reference to an entry from "Contact"
CreatedOn	2017-08-08T17:48:56	
Category	23-27 17 25 Progressive Cavity Pumps	Select from column K of "PickLists"
Description	Return Activated Sludge Pump	
AssetType	Fixed	Select from column AA of "PickLists"
Manufacturer	ABC company	
ModelNumber	H08K-H03R	
WarrantyGuarantorParts	company@email.com	
WarrantyDurationParts	5	
WarrantyGuarantorLabor	company@email.com	
WarrantyDurationLabor	5	
WarrantyDurationUnit	Year	Select from column AD of "PickLists"
ExtSystem	Autodesk Revit 2015, Build: 20150702_1515(x64)	Automatically generated by plug-in
ExtObject	Mechanical Equipment	Automatically generated by plug-in
ExtIdentifier	5605db87-7a61-4294-9d8e-0eabfd90b791-00169aaa	Automatically generated by plug-in
ReplacementCost	200000	Currency should refer to "Facility" worksheet

ExpectedLife	5	Expected life will differ for active and spare units and should be stored in instance.
DurationUnit	Year	Select from column AD of “PickLists”
WarrantyDescription	Onsite warranty	
NominalLength	1788	
NominalWidth	1469	
NominalHeight	2209	
ModelReference	n/a	
Shape	Cylinder	
Size	Medium	
Color	Green	
Finish	Matt	
Grade	Tough	
Material	Cast Iron	
Constituents	Remote controller	
Features	Auto-shutdown	
AccessibilityPerformance	n/a	
CodePerformance	Fused	
SustainabilityPerformance	Low-energy	
Area	2.627	
Length	1788	

8. Component

Entries of “Component” are from the instances of BIM models. The entries refer to entries from “Contact”, “Space” and “Type”.

Parameters	Example	Notes
Name	SWHSTW-ASPS-B1-PUR-ASS-MPU-PRC001	Reference to the “Mark” of model element
CreatedBy	bim@dsd.gov.hk	Reference to an entry from “Contact”
CreatedOn	2017-08-08T17:48:56	
TypeName	MPU-PRC-DSD-CI-___	Reference to an entry from “Type”
Space	Pump Room	Reference to an entry from “Space”
Description	Return Activated Sludge Pump	
ExtSystem	Autodesk Revit 2015, Build: 20150702_1515(x64)	Automatically generated by plug-in
ExtObject	Mechanical Equipment	Automatically generated by plug-in
ExtIdentifier	7311a19b-1a87-4d96-9313-9756de99e76d-004a5a77	Automatically generated by plug-in
SerialNumber	S4567901	
InstallationDate	2017-09-08T11:48:56	
WarrantyStartDate	2017-09-08T11:48:56	
TagNumber	247849	
BarCode	4567901	
AssetIdentifier	ac8a2a32-b185-461d-ac99	
Area	2.627	
Length	1788	

9. Systems

Entries of “Systems” connect various components together based on their functions. Currently, system is defined by the entity type of an equipment.

Parameters	Example	Notes
Name	Activated Sludge System	
CreatedBy	bim@dsd.gov.hk	Reference to an entry from “Contact”
CreatedOn	2017-08-08T17:48:56	
Category	23-39 39 13 21 Integrated Fixed-film Activated Sludge Equipment	Select from column E of “PickLists”
ComponentNames	SWHSTW-ASPS-B1-PUR-ASS-MPU-PRC001	Reference to an entry from “Component”
ExtSystem	Authoring Application	Automatically generated by plug-in
ExtObject	IfcSystem	Automatically generated by plug-in
ExtIdentifier	2lTs7iOoDD$830Kgut03mv	Automatically generated by plug-in
Description	n/a	

10. Attributes

Entries of “Attribute” are to store asset information not included in other parts of worksheets. For example, pump speed is a parameter that should be included. Since this parameter is not presented in the “Component”, an entry named “Pump speed” is therefore created in the “Attribute”. To correlate this entry with the entry “RASP-0001” in the “Component”, “Component” and “RASP-0001” should form the data field “SheetName” and “RowName” respectively.

Parameters	Example	Notes
Name	DSD.MPU.Pump Speed	
CreatedBy	bim@dsd.gov.hk	Reference to an entry from “Contact”
CreatedOn	2017-08-08T17:48:56	
Category	Approved	Select from column Z of “PickLists”
SheetName	Component	Reference to “Component”
RowName	SWHSTW-ASPS-B1-PUR-ASS-MPU-PRC001	Reference to an entry from “Component”
Value	1485	
Unit	n/a	
ExtSystem	Autodesk Revit 2015, Build: 20150702_1515(x64)	Automatically generated by plug-in
ExtObject	Autodesk.Revit.DB.Parameter	Automatically generated by plug-in
ExtIdentifier	5223738	Automatically generated by plug-in
Description	n/a	
AllowedValues	n/a	

11. **Job**

Entries of “Job” are related to the maintenance works of an equipment such as inspection and planned maintenance. It requires an API to export the information onto this worksheet.

Parameters	**Example**	**Notes**
Name	Return Activated Sludge Pump Inspection	
CreatedBy	bim@dsd.gov.hk	Reference to an entry from “Contact”
CreatedOn	2017-08-08T17:48:56	
Category	Inspection	Select from column J of “PickLists”
Status	Not Yet Started	Select from column V of “PickLists”
TypeName	MPU-PRC-DSD-CI-___	Reference to an entry from “Type”
Description	n/a	
Duration	60	
DurationUnit	Minute	Select from column AD of “PickLists”
Start	6	
TaskStartUnit	Month	Select from column AD of “PickLists”
Frequency	2	
FrequencyUnit	Year	Select from column AD of “PickLists”
ExtSystem	Authoring Application	Automatically generated by plug-in
ExtObject	IfcSystem	Automatically generated by plug-in
ExtIdentifier	2lTs7iOoDD$830Kgut03mv	Automatically

		generated by plug-in
TaskNumber	3754	
Priors	n/a	
ResourceNames	n/a	

12. **Coordinate**

Entries of “Coordinate” are automatically generated by the COBie Extension plug-in. Users should not edit its content.

Appendix L

Model and Object Checklist

DSD BIM Model Checklist

Revision : 1

PROJECT INFORMATION	
Contract :	
PWP / Contract / Agreement Number :	

MODEL INFORMATION	
File Name :	
Discipline :	
Software Version :	
Revision :	
Linked Models :	

ITEM	CHECK	OBJETIVE	CONFORM YES	CONFORM NO	CONFORM N/A	REMARK / COMMENT
Part 1 -	**BIM SOFTWARE**					
1.1	AUTHORING SOFTWARE	Check the authoring software				
1.2	REVIEWING SOFTWARE	Check the reviewing software				
1.3	VERSION	Check the model file version				
1.4	FILE FORMAT	Check the model file format				
1.5	FILE SIZE	Check the model file size				
Part 2 -	**PROJECT MANAGEMENT**					
2.1	FOLDER STRUCTURE	Check the folder structure				
2.2	MODEL HIERARCHY	Check the model hierarchy, e.g. model division, by disciplines, by features, by level, etc				
2.3	MODEL FILE NAMING	Check the model file naming				
2.4	DELIVERABLES	Check the deliverables (e.g. 2D drawings, 3D / 4D animations, clash reports, etc)				
Part 3 -	**MODEL SETTINGS**					
3.1	PROJECT TEMPLATE FILE	Check whether the Correct Project Template (if any) is used				
3.2	PROJECT INFORMATION	Verify the correctness of the project information				
3.3	SITE LOCATION	Verify the correctness of the site location				
3.4	MODEL SCALE	Check the model scale				
3.5	MODEL UNITS	Check the model units				
3.6	PROJECT BASE POINT, SURVEY POINT AND COORDINATE	Verify the correctness of project base point, survey point and coordinate				
3.7	PROJECT NORTH	Verify the correctness of project north				
3.8	LEVEL	Verify the correctness of level				
3.9	MEP SETTINGS	Check the Mechanical and Electrical settings to conform with international standards (BSI, BS EN, etc) or local standards (DSD, EMSD, CLP or HKE, etc)				
3.10	MATERIALS	Check the materials of all E&M equipment				
3.11	FILL PATTERNS	Check the fill patterns				
3.12	OBJECT STYLES	Check the object styles				
3.13	LINE STYLES	Check the line styles				
3.14	LINE WEIGHTS	Check the line weights				
3.15	LINE PATTERNS	Check the line patterns				
3.16	COLOR SCHEME	Check the color scheme applied				
Part 4 -	**MODEL MANAGEMENT**					
4.1	WORKSETS	Check Workset (if any) names and all contents in the correct Workset				
4.2	WARNING MESSAGES	Check all warning messages had been cleared (some warning could be accepted)				
4.3	PHASE	Check the correct phase of the elements				
4.4	LINKED-IN FILES	Check all the linked-in files, e.g. Revit, IFC, CAD, DWF and Point Cloud, etc. Unused linked-in files had been removed				
4.5	PURGE	Check all the unused views, families, groups, other styles, etc had been purged				
4.6	NON-REQUIRED ELEMENTS	Check all the non-required Views, Legends, Schedules, Sheets, Images, etc had been deleted				
Part 5 -	**VIEWS**					
5.1	NAMING	Check the view naming				
5.2	VIEW TEMPLATES	Check the view templates applied (if any)				
5.3	VISIBILITY/GRAPHIC OVERRIDES	Check any elements had been hidden or graphic override				
5.4	FILTERS	Check any filters applied correctly				

ITEM	CHECK	OBJETIVE	CONFORM			REMARK / COMMENT
			YES	NO	N/A	
Part 6 -	**SCHEDULES / PANEL SCHEDULES**					
6.1	NAMING	Check the schedule naming				
6.2	SCHEDULES	Verify the correctness of the contents				
Part 7 -	**OBJECTS**					
7.1	NAMING	Check the object naming				
7.2	CATEGORIES	Check the objects are in correct categories				
7.3	3D GEOMETRY	Check the objects' appearance to conform with the actual appearance of the equipment				
7.4	2D SYMBOLS	Check the objects' symbols in plan view to conform with the CSWP / drawing practice				
7.5	MATERIALS	Check the objects' materials				
7.6	PARAMETERS / ATTRIBUTES FOR ASSET MANAGEMENT	Check whether the parameters / attributes are created in the object and the correctness of their contents				
Part 8 -	**SHEETS (2D DRAWINGS)**					
8.1	NAMING	Check the sheet naming				
8.2	DRAWING NUMBER	Check the drawing number				
8.3	TITLEBLOCK	Check whether the correct titleblock had been used				
8.4	TITLEBLOCK INFORMATION	Check the titleblock information had been filled in correctly				
8.5	VIEWPORT SCALE	Check the scale of the drawings				
8.6	TEXT STYLES	Check the fonts and size				
8.7	DIMENSION STYLES	Check the dimension				
8.8	LINE STYLES	Check the line styles				
8.9	ANNOTATIONS	Check the annottations				
8.10	LEGEND	Check the legend (2D symbols)				
8.11	EXPORT SETUPS	Check the settings for exporting to DWG or DGN format				
Part 9.1 -	**MODELLING - GENERAL**					
9.1.1	MODELLING SCOPE	Visual check the modelling scope to comply with the project scope				
9.1.2	MAJOR ELEMENTS	Visual check whether the major elements had been modelled (e.g. pumps, screens,etc)				
9.1.3	FLOOR / CEILING PLANS	Visual check the Scale, Detail Level, Visibility/Graphic Overrides, Orientation, Discipline, View Template, Phasing, etc				
9.1.4	3D VIEWS	Visual check the Scale, Detail Level, Visibility/Graphic Overrides, Orientation, Discipline, View Template, Phasing, etc				
9.1.5	ELEVATIONS	Visual check the Scale, Detail Level, Visibility/Graphic Overrides, Orientation, Discipline, View Template, Phasing, etc				
9.1.6	SECTIONS	Visual check the Scale, Detail Level, Visibility/Graphic Overrides, Orientation, Discipline, View Template, Phasing, etc				
9.1.7	LEVEL OF DEVELOPMENT (LOD)	Visual check the level of development of the model to comply with the project stages / phases				
9.1.8	VISUAL CHECK OF ACCESS	Check Access / Clearance / Installation / Maintenance space				
Part 9.2 -	**MODELLING - MAJOR ELEMENTS(SAMPLE CHECK, INSERT ROW IF NEEDED)**					
9.2.1	ELEMENT 1	Check the 3D geometry, installation, equipment information, electrical circuitry, documentation (if any), assets management data, e.g. COBie data (if any)				
9.2.2	ELEMENT 2	Check the 3D geometry, installation, equipment information, electrical circuitry, documentation (if any), assets management data, e.g. COBie data (if any)				
9.2.3	ELEMENT 3	Check the 3D geometry, installation, equipment information, electrical circuitry, documentation (if any), assets management data, e.g. COBie data (if any)				
9.2.4	ELEMENT 4	Check the 3D geometry, installation, equipment information, electrical circuitry, documentation (if any), assets management data, e.g. COBie data (if any)				
Part 10 -	**CLASH**					
10.1	CLASH ANALYSIS	Check there are no clashes by running the clash analysis between different disciplines				
10.2	CLASH REPORT	Check and verify the clashes in the submitted clash report had been solved				
Part 11 -	**COBIE DELIVERABLE**					

ITEM	CHECK	OBJETIVE	CONFORM			REMARK / COMMENT
			YES	NO	N/A	
11.1	CONTACT	Check and verify the contents				
11.2	FACILITY	Check and verify the contents				
11.3	FLOOR	Check and verify the contents				
11.4	SPACE	Check and verify the contents				
11.5	ZONE	Check and verify the contents				
11.6	TYPE	Check and verify the contents				
11.7	COMPONENT	Check and verify the contents				
11.8	SYSTEM	Check and verify the contents				
11.9	ATTRIBUTE	Check and verify the contents				
11.10	COORDINATE	Check and verify the contents				
Part 12 -	**EXCHANGE FORMATS**					
12.1	2D DRAWING	Export the "Sheets" (if any) to the 2D CAD format (e.g. DGN and DWG)				
12.2	REVIEWING	Export the BIM model to the file format for reviewing purpose (e.g. PDF, DWF, DWFx, NWD)				
12.3	COLLABORATION	Export the BIM model to the file format for collaboration purpose (e.g. IFC, RVT, RFA, NWC, NWD, NWF)				
Part 13 -	**BIM OBJECT SHEET CHECK**					
13.1	BIM MODEL OBJECT CHECK LIST	BIM objects fulfil all BIM Model Object Check List items				

Checked By: _____

Name : _____

Company Name: _____

Date : _____

Verified By: _____

Name : _____

Company Name: _____

Date : _____

DSD BIM Object Checklist

Revision : 0

OBJECT INFORMATION	
Object Name :	
Discipline * :	
Software Version :	
Revision :	
LOD-G / LOD-I :	
DSD Object Sheet Ref. No. :	

Remark:

* : Architectural, Building Services, Civil, Control and Instrumentation, Electrical, Mechanical, Structural, etc

ITEM	CHECK	DESCRIPTION	CONFORM YES	CONFORM NO	CONFORM N/A	REMARK / COMMENT
Part 1 -	**GENERAL**					
1.1	FILE NAME	Does the file name conform to DSD BIM Modelling Manual Section 3.3?				
1.2	FILE SIZE	Architecture (200 - 300 KB), Civil (200 - 7000 KB), Structure (180 - 300 KB), MEP (200 - 7000 KB)				
Part 2 -	**3D GEOMETRY**					
2.1	APPEARANCE	Does the appearance of the object conform with standard drawing or as required?				
2.2	MATERIAL	Is the object material correct?				
2.3	VISIBILITY CONTROL	Is the setting suitable ? Does it hide unnecessary geometry on plan and elevation in BIM model?				
2.4	ATTACH TO ELEMENT OR STANDALONE	Can it attach to the correct element or standalone in BIM model?				
2.5	CATEGORY	Is the correct category of BIM object?				
2.6	SUB-CATEGORY	Is sub-category correct?				
2.7	INSERTION POINT	Is the insertion point appropriate in BIM model?				
2.8	REFERENCE PLAN OR LINE	Is the reference plan or line appropriate?				
2.9	UNIT	Is unit of measurements correct?				
2.10	MAINTENANCE SPACE	Does it require maintenance space? If yes, is parametric behavior provided as expected in BIM model?				
2.11	CONNECTION	Does it connect with other objects or elements? If yes, is the connection behavior provided as required in BIM model?				
2.12	PARAMETRIC PROPERTIES	Is it necessary to be parametric? If yes, is parameter behavior provided as required in BIM model?				
Part 3 -	**PROPERTY / PARAMETER**					
3.1	MANAGEMENT	Are parameters classified in suitable grouping and naming?				
3.2	INFORMATION	Is all information necessary or exhaustive for the user?				
3.3	ASSET ATTRIBUTES	Do the attributes conform to DSD BIM Modelling Manual Appendix H? Are they shared parametrers? Can user input appropriate values in BIM model? Do the parameters contain special characters (e.g. / ( ) ') ?				
Part 4 -	**2D SYMBOLIC ITEM (SYMBOL)**					
4.1	SYMBOL	Is the symbol conformed to local practices or requirement?				
4.2	SIZE DEPENDENCY	If necessary, does the symbol follow the change of the 3D geometry in BIM model?				
4.3	SCALE	If necessary, is the symbol scalable in BIM model?				
4.4	SYMBOL OFFSET	If necessary, can the symbol offset adjustable for overlapping in BIM model?				
4.5	SYMBOL ORIENTATION	Is the symbol orthogonal to the BIM object geometry? If necessary, can the symbol orientation be controlled in BIM model?				
4.6	DRAWING PRODUCTION	Is it readable when printing out?				
Part 5 -	**2D SYMBOLIC ITEM (TAG / LABEL / ANNOTATION)**					
5.1	TAG / LABEL / ANNOTATION	Is the tag / label / annotation conformed to local practices or requirement? Can the values of tag / label / annotation shown as required in BIM model? Are the text and arrowhead style shown as required in BIM model? Is the label information linked to correct parameter as designed?				
5.2	DRAWING PRODUCTION	Is it readable when printing out in appropriate scale				

Checked By: _____

Name : _____

Company Name: _____

Date : _____

Verified By: _____

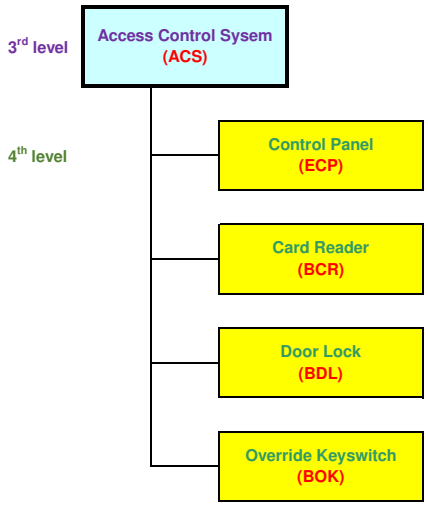
Name : _____

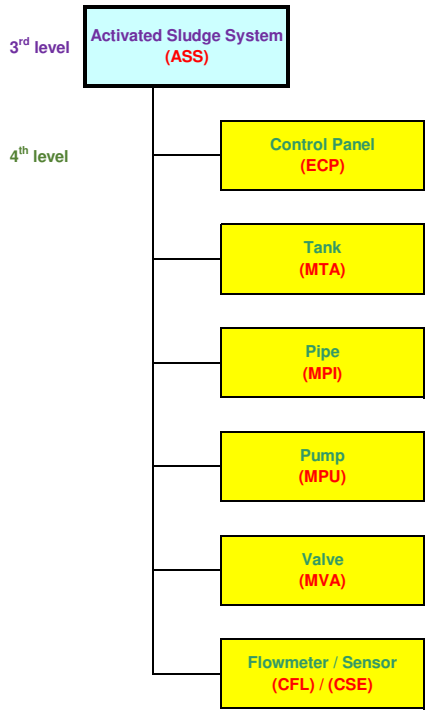
Company Name: DSD

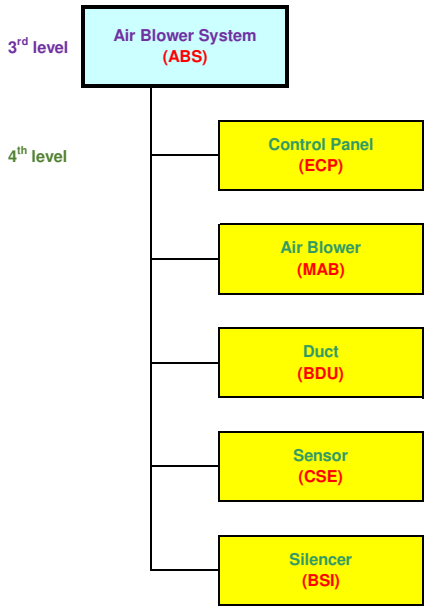
Date : _____

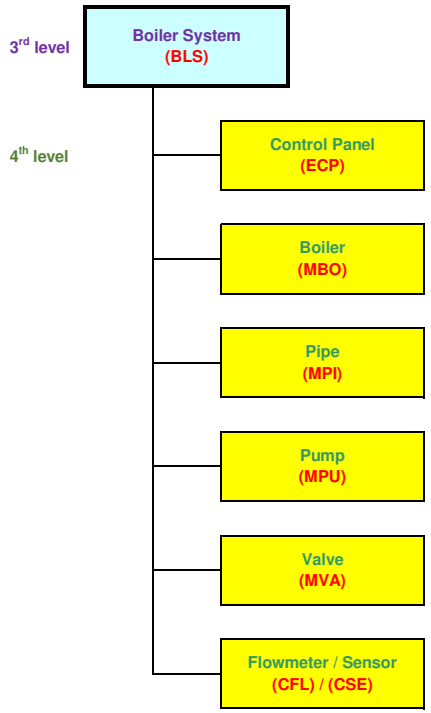
Appendix M

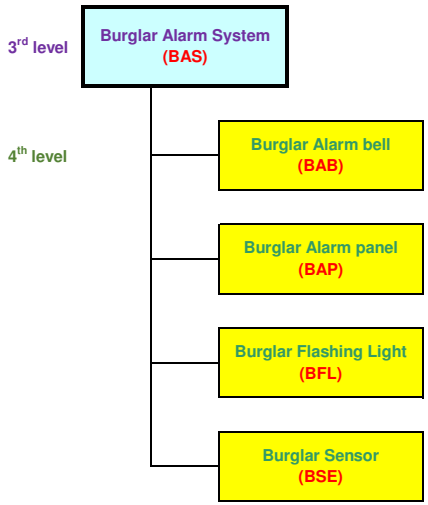
DSD System Hierarchy

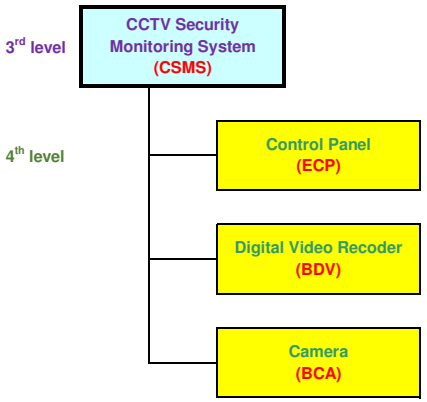

3rd level
Access Control Sysem
(ACS)
4th level
Control Panel
(ECP)
Card Reader
(BCR)
Door Lock
(BDL)
Override Keyswitch
(BOK)

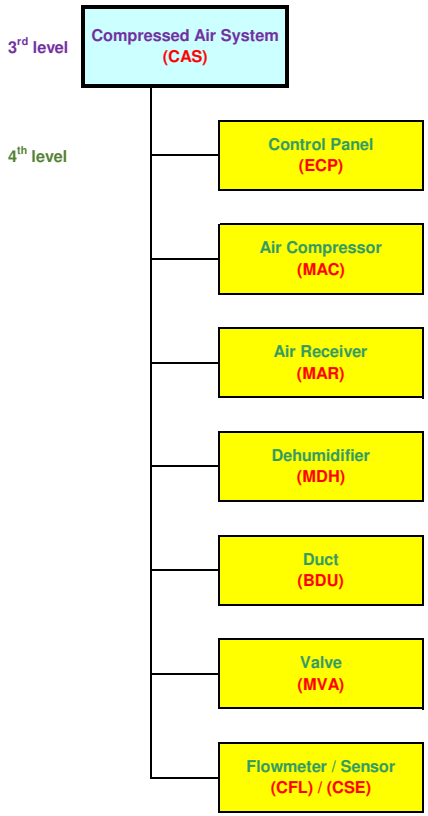

3rd level
Activated Sludge System
(ASS)
4th level
Control Panel
(ECP)
Tank
(MTA)
Pipe
(MPI)
Pump
(MPU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

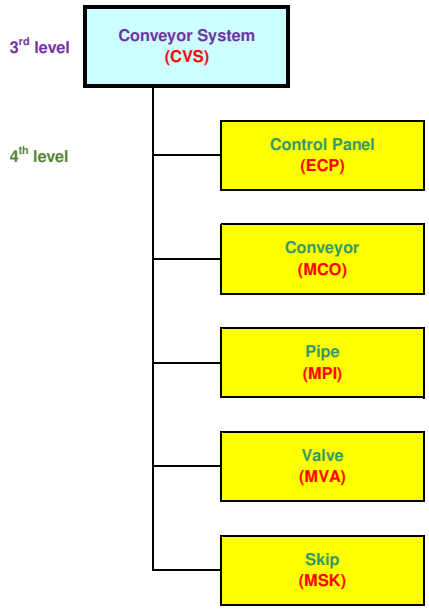

3rd level
Air Blower System
(ABS)
4th level
Control Panel
(ECP)
Air Blower
(MAB)
Duct
(BDU)
Sensor
(CSE)
Silencer
(BSI)

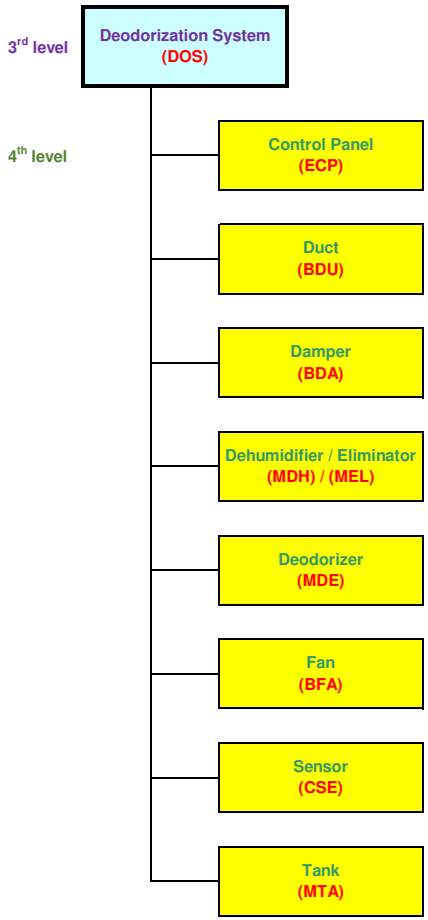

3rd level
Boiler System
(BLS)
4th level
Control Panel
(ECP)
Boiler
(MBO)
Pipe
(MPI)
Pump
(MPU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

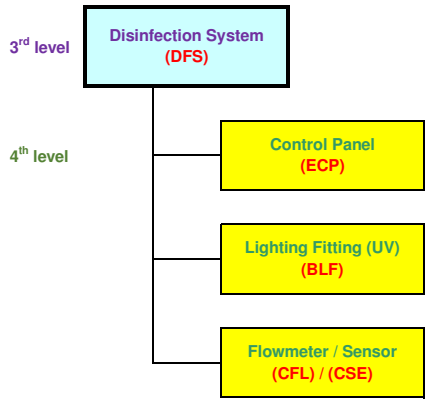

3rd level
Burglar Alarm System
(BAS)
4th level
Burglar Alarm bell
(BAB)
Burglar Alarm panel
(BAP)
Burglar Flashing Light
(BFL)
Burglar Sensor
(BSE)

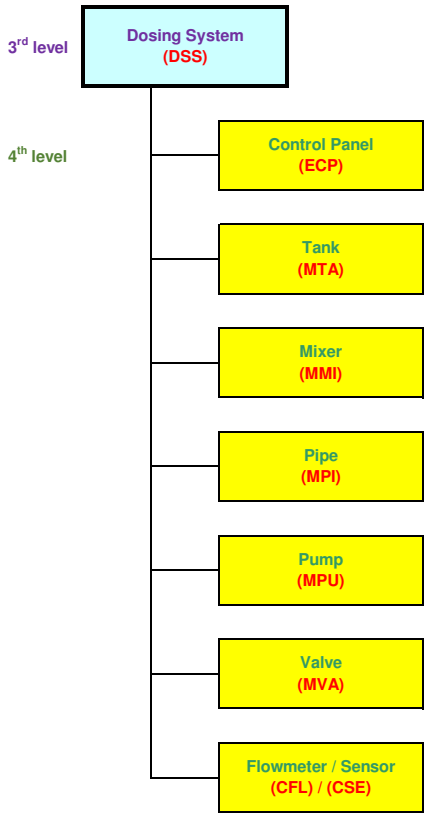

3rd level
CCTV Security
Monitoring System
(CSMS)
4th level
Control Panel
(ECP)
Digital Video Recoder
(BDV)
Camera
(BCA)

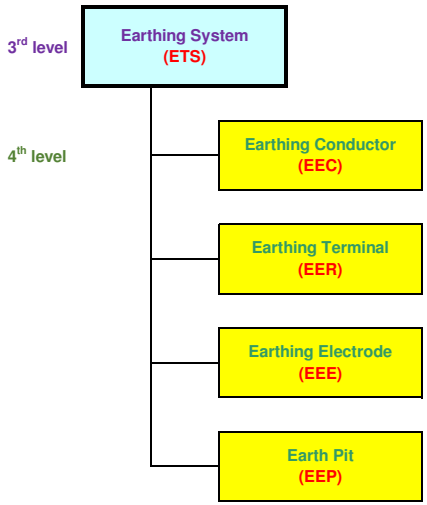

3rd level
Compressed Air System
(CAS)
4th level
Control Panel
(ECP)
Air Compressor
(MAC)
Air Receiver
(MAR)
Dehumidifier
(MDH)
Duct
(BDU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

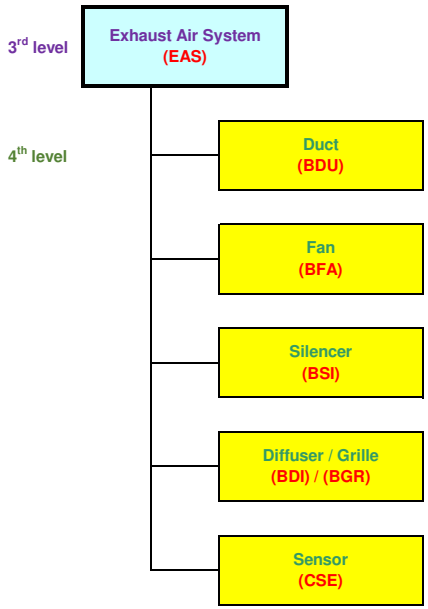

3rd level
Conveyor System
(CVS)
4th level
Control Panel
(ECP)
Conveyor
(MCO)
Pipe
(MPI)
Valve
(MVA)
Skip
(MSK)

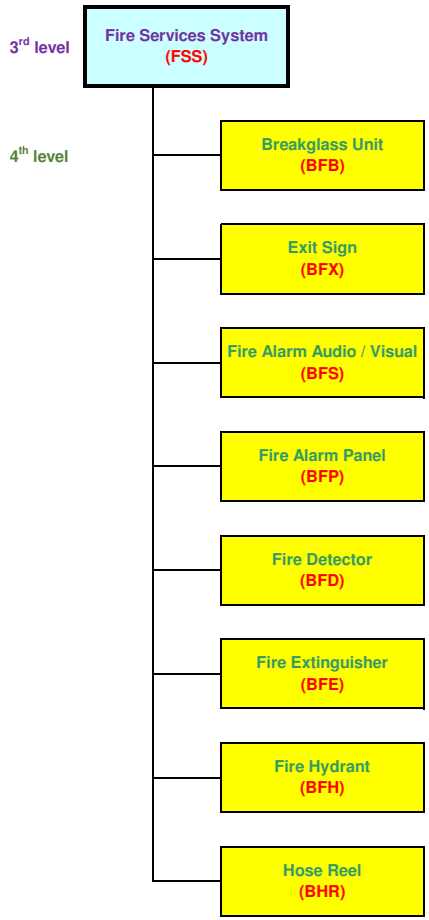

3rd level
Deodorization System
(DOS)
4th level
Control Panel
(ECP)
Duct
(BDU)
Damper
(BDA)
Dehumidifier / Eliminator
(MDH) / (MEL)
Deodorizer
(MDE)
Fan
(BFA)
Sensor
(CSE)
Tank
(MTA)

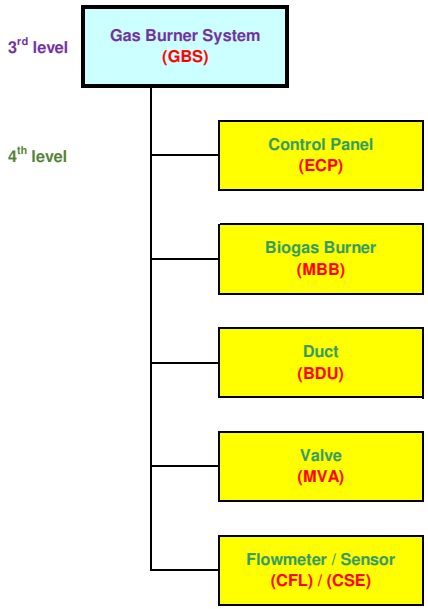

3rd level
Disinfection System
(DFS)
4th level
Control Panel
(ECP)
Lighting Fitting (UV)
(BLF)
Flowmeter / Sensor
(CFL) / (CSE)

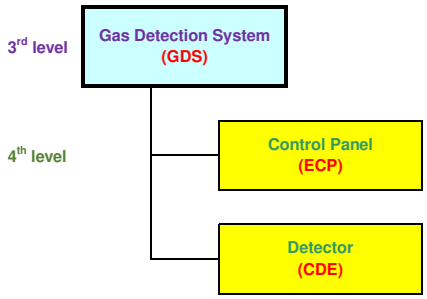

3rd level
Dosing System
(DSS)
4th level
Control Panel
(ECP)
Tank
(MTA)
Mixer
(MMI)
Pipe
(MPI)
Pump
(MPU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

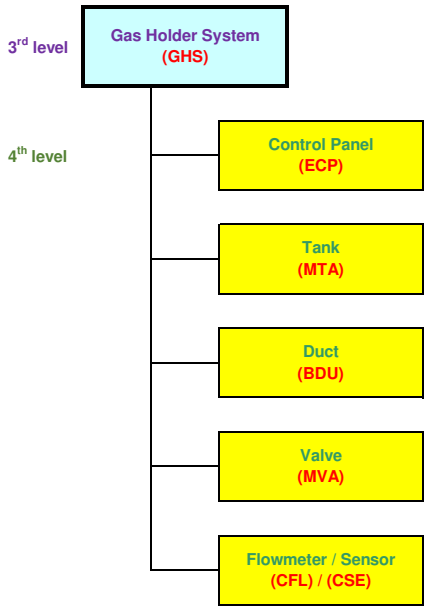

3rd level
Earthing System
(ETS)
4th level
Earthing Conductor
(EEC)
Earthing Terminal
(EER)
Earthing Electrode
(EEE)
Earth Pit
(EEP)

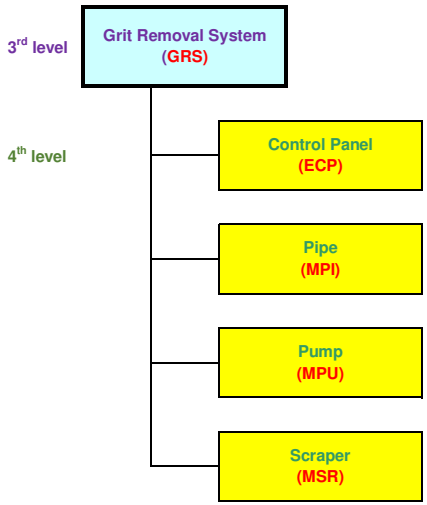

3rd level
Exhaust Air System
(EAS)
4th level
Duct
(BDU)
Fan
(BFA)
Silencer
(BSI)
Diffuser / Grille
(BDI) / (BGR)
Sensor
(CSE)

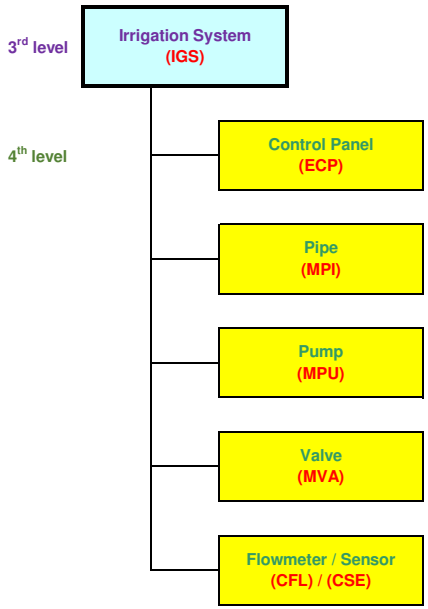

3rd level
Fire Services System
(FSS)
4th level
Breakglass Unit
(BFB)
Exit Sign
(BFX)
Fire Alarm Audio / Visual
(BFS)
Fire Alarm Panel
(BFP)
Fire Detector
(BFD)
Fire Extinguisher
(BFE)
Fire Hydrant
(BFH)
Hose Reel
(BHR)

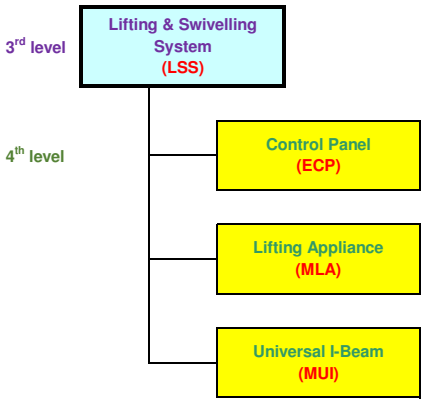

3rd level
Gas Burner System
(GBS)
4th level
Control Panel
(ECP)
Biogas Burner
(MBB)
Duct
(BDU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

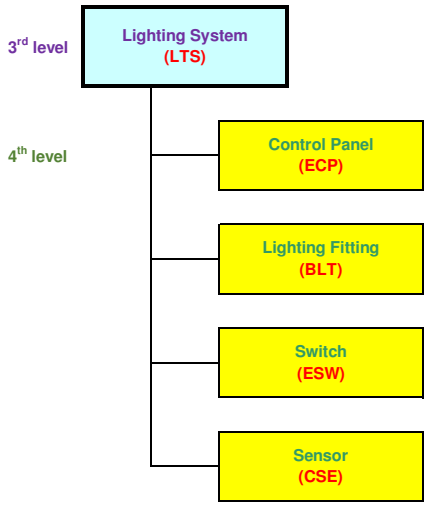

3rd level
Gas Detection System
(GDS)
4th level
Control Panel
(ECP)
Detector
(CDE)

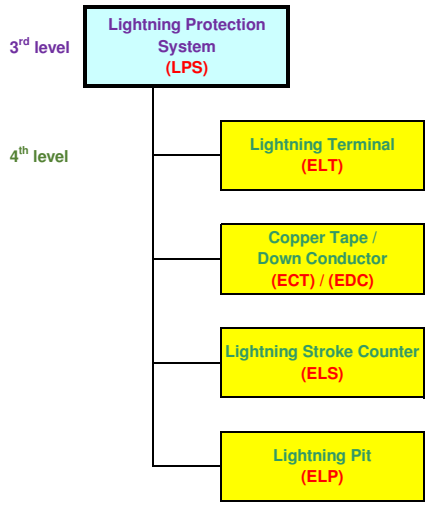

3rd level
Gas Holder System
(GHS)
4th level
Control Panel
(ECP)
Tank
(MTA)
Duct
(BDU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

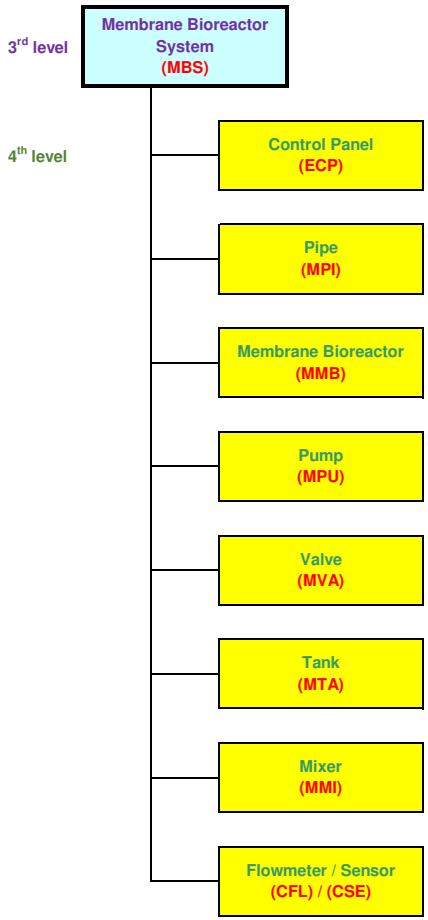

3rd level
Grit Removal System
(GRS)
4th level
Control Panel
(ECP)
Pipe
(MPI)
Pump
(MPU)
Scraper
(MSR)

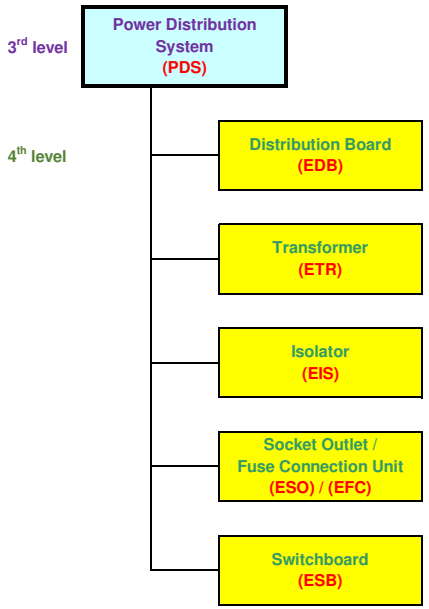

3rd level
Irrigation System
(IGS)
4th level
Control Panel
(ECP)
Pipe
(MPI)
Pump
(MPU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

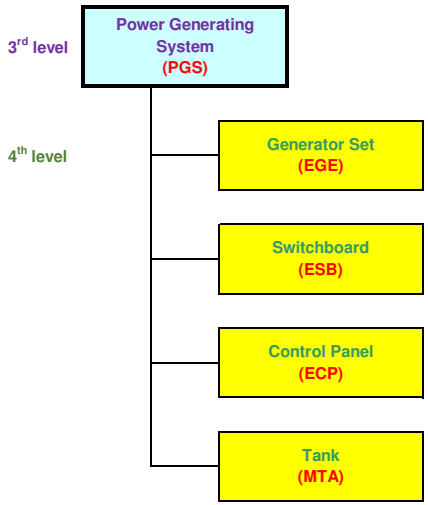

3rd level
Lifting & Swivelling System
(LSS)
4th level
Control Panel
(ECP)
Lifting Appliance
(MLA)
Universal I-Beam
(MUI)

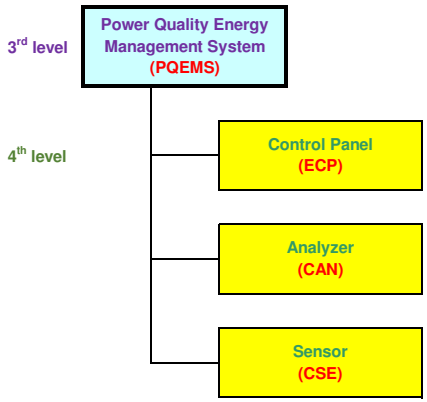

3rd level
Lighting System
(LTS)
4th level
Control Panel
(ECP)
Lighting Fitting
(BLT)
Switch
(ESW)
Sensor
(CSE)

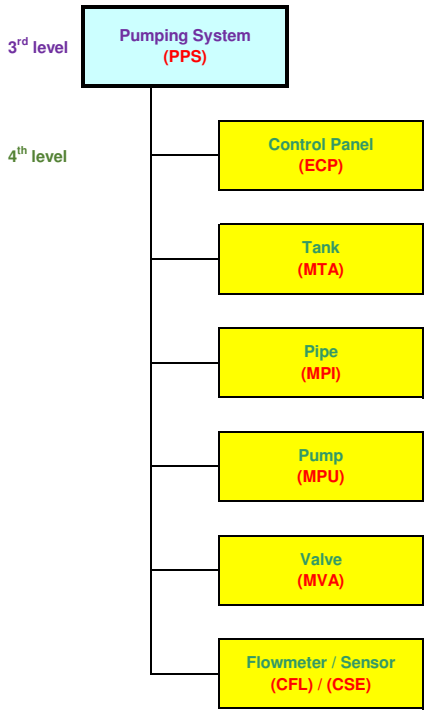

3rd level
Lightning Protection System
(LPS)
4th level
Lightning Terminal
(ELT)
Copper Tape / Down Conductor
(ECT) / (EDC)
Lightning Stroke Counter
(ELS)
Lightning Pit
(ELP)

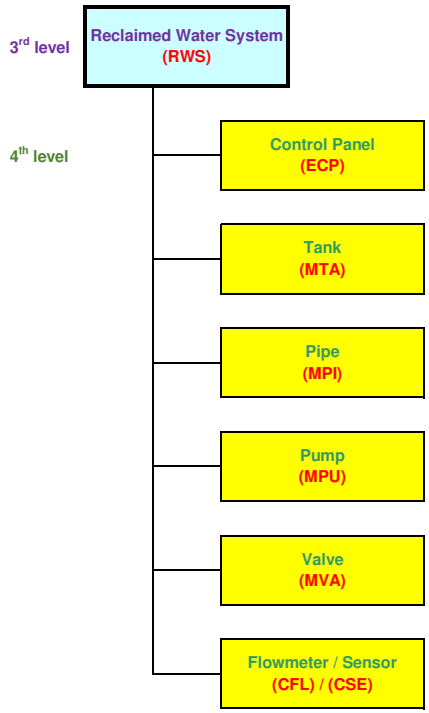

3rd level
Membrane Bioreactor System (MBS)
4th level
Control Panel (ECP)
Pipe (MPI)
Membrane Bioreactor (MMB)
Pump (MPU)
Valve (MVA)
Tank (MTA)
Mixer (MMI)
Flowmeter / Sensor (CFL) / (CSE)

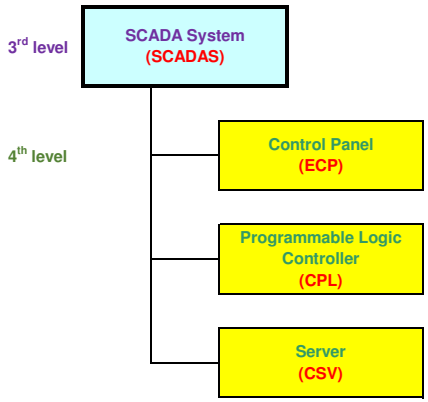

3rd level
Power Distribution System (PDS)
4th level
Distribution Board (EDB)
Transformer (ETR)
Isolator (EIS)
Socket Outlet / Fuse Connection Unit (ESO) / (EFC)
Switchboard (ESB)

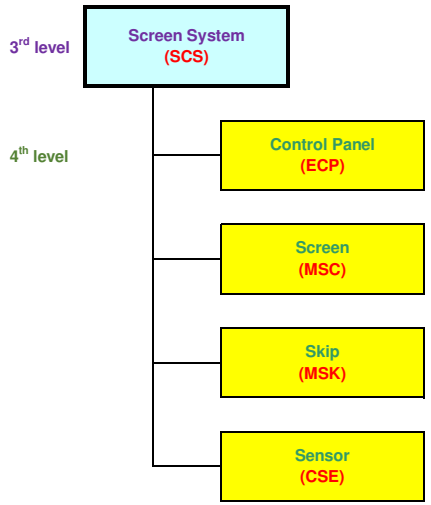

3rd level
Power Generating System (PGS)
4th level
Generator Set (EGE)
Switchboard (ESB)
Control Panel (ECP)
Tank (MTA)

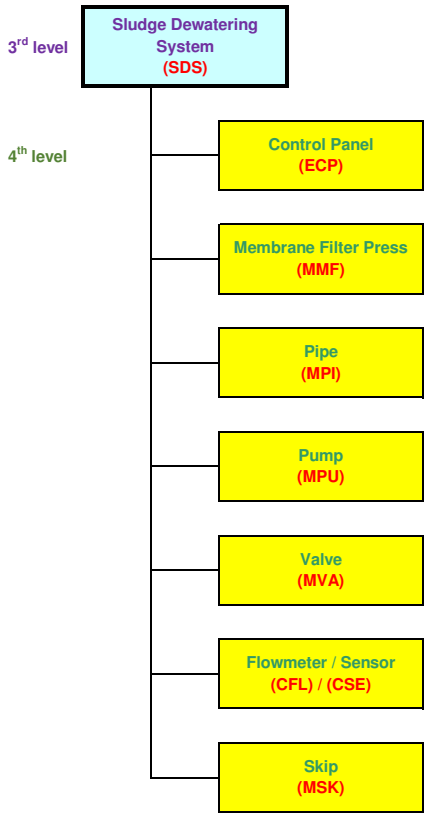

3rd level
Power Quality Energy Management System (PQEMS)
4th level
Control Panel (ECP)
Analyzer (CAN)
Sensor (CSE)

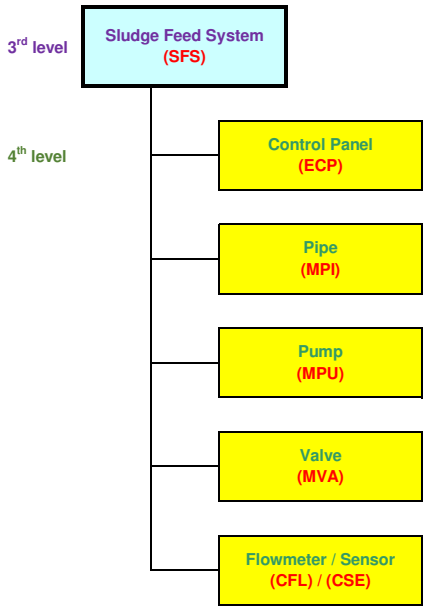

3rd level
Pumping System
(PPS)
4th level
Control Panel
(ECP)
Tank
(MTA)
Pipe
(MPI)
Pump
(MPU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

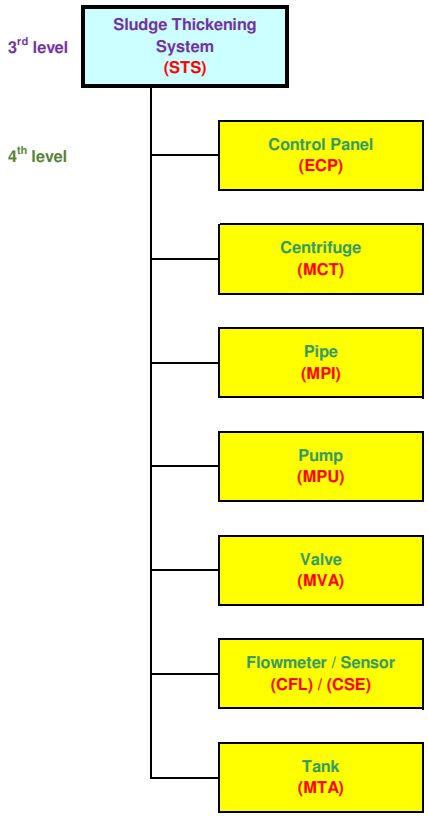

3rd level
Reclaimed Water System
(RWS)
4th level
Control Panel
(ECP)
Tank
(MTA)
Pipe
(MPI)
Pump
(MPU)
Valve
(MVA)
Flowmeter / Sensor
(CFL) / (CSE)

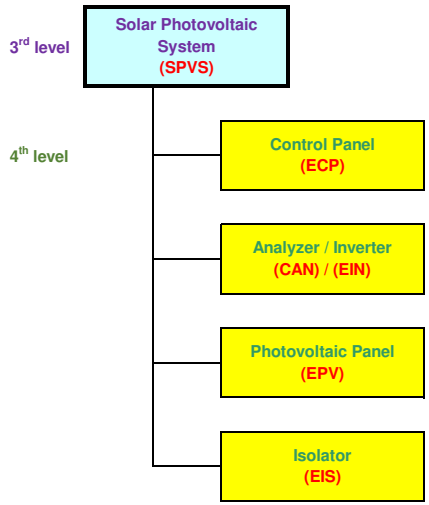

3rd level
SCADA System
(SCADAS)
4th level
Control Panel
(ECP)
Programmable Logic
Controller
(CPL)
Server
(CSV)

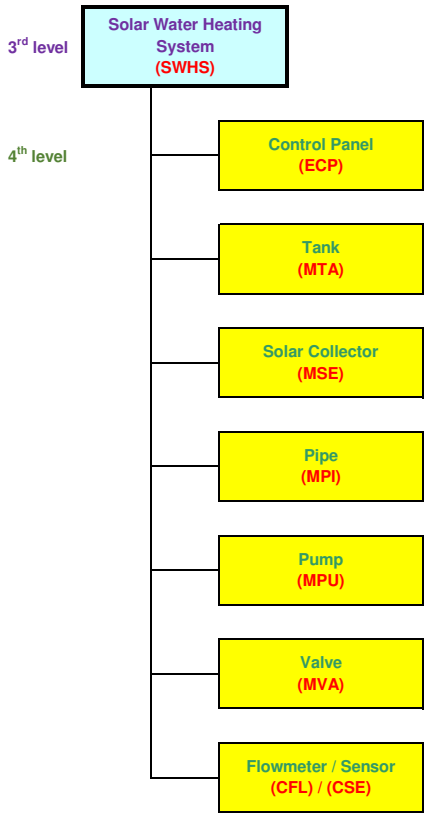

3rd level
Screen System
(SCS)
4th level
Control Panel
(ECP)
Screen
(MSC)
Skip
(MSK)
Sensor
(CSE)

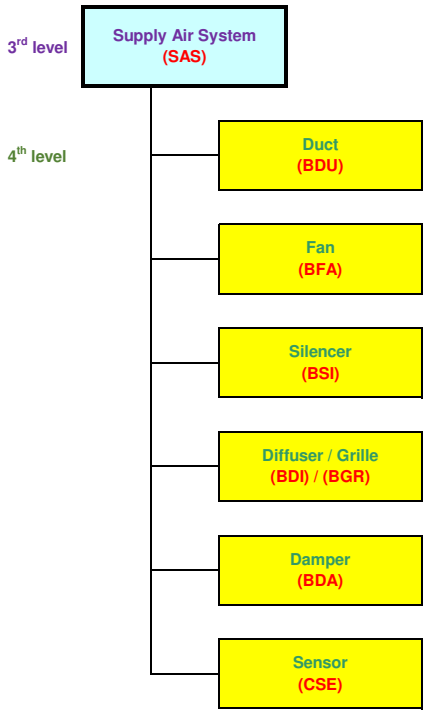

3rd level
Sludge Dewatering System (SDS)
4th level
Control Panel (ECP)
Membrane Filter Press (MMF)
Pipe (MPI)
Pump (MPU)
Valve (MVA)
Flowmeter / Sensor (CFL) / (CSE)
Skip (MSK)

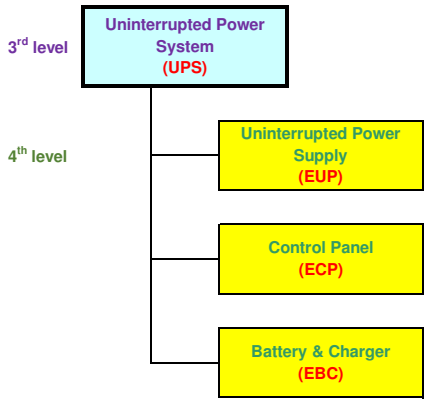

3rd level
Sludge Feed System (SFS)
4th level
Control Panel (ECP)
Pipe (MPI)
Pump (MPU)
Valve (MVA)
Flowmeter / Sensor (CFL) / (CSE)

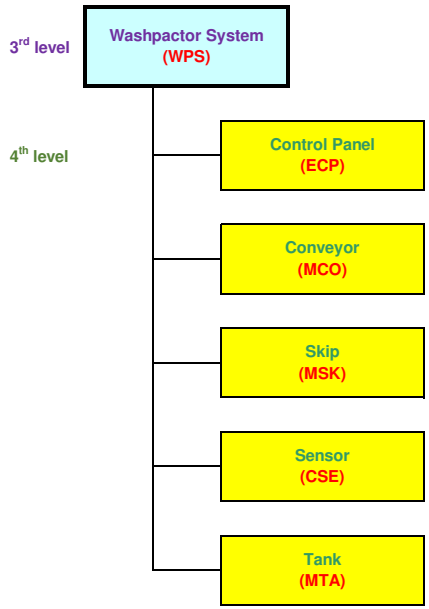

3rd level
Sludge Thickening System (STS)
4th level
Control Panel (ECP)
Centrifuge (MCT)
Pipe (MPI)
Pump (MPU)
Valve (MVA)
Flowmeter / Sensor (CFL) / (CSE)
Tank (MTA)


3rd level
Solar Photovoltaic System (SPVS)
4th level
Control Panel (ECP)
Analyzer / Inverter (CAN) / (EIN)
Photovoltaic Panel (EPV)
Isolator (EIS)


3rd level
Solar Water Heating System (SWHS)
4th level
Control Panel (ECP)
Tank (MTA)
Solar Collector (MSE)
Pipe (MPI)
Pump (MPU)
Valve (MVA)
Flowmeter / Sensor (CFL) / (CSE)


3rd level
Supply Air System (SAS)
4th level
Duct (BDU)
Fan (BFA)
Silencer (BSI)
Diffuser / Grille (BDI) / (BGR)
Damper (BDA)
Sensor (CSE)


3rd level
Uninterrupted Power System (UPS)
4th level
Uninterrupted Power Supply (EUP)
Control Panel (ECP)
Battery & Charger (EBC)


3rd level
Washpactor System (WPS)
4th level
Control Panel (ECP)
Conveyor (MCO)
Skip (MSK)
Sensor (CSE)
Tank (MTA)