

BIM PORTFOLIO

Presented By Davis Chan

BIM Project Experiences

Welcome to my presentation. Today, I'll introduce you to my drawing skill, showcasing my work about architecture and how I can use my knowledge to your company. Let's begin with all the project I have been involved.



Kowloon Peak

NKIL6579, Lung Cheung Road, Kowloon

Project Information

- Construction period: 2021–Present
- Project Developer: Alpha Pioneer Limited
- Client: Alpha Pioneer Limited

Project Overview

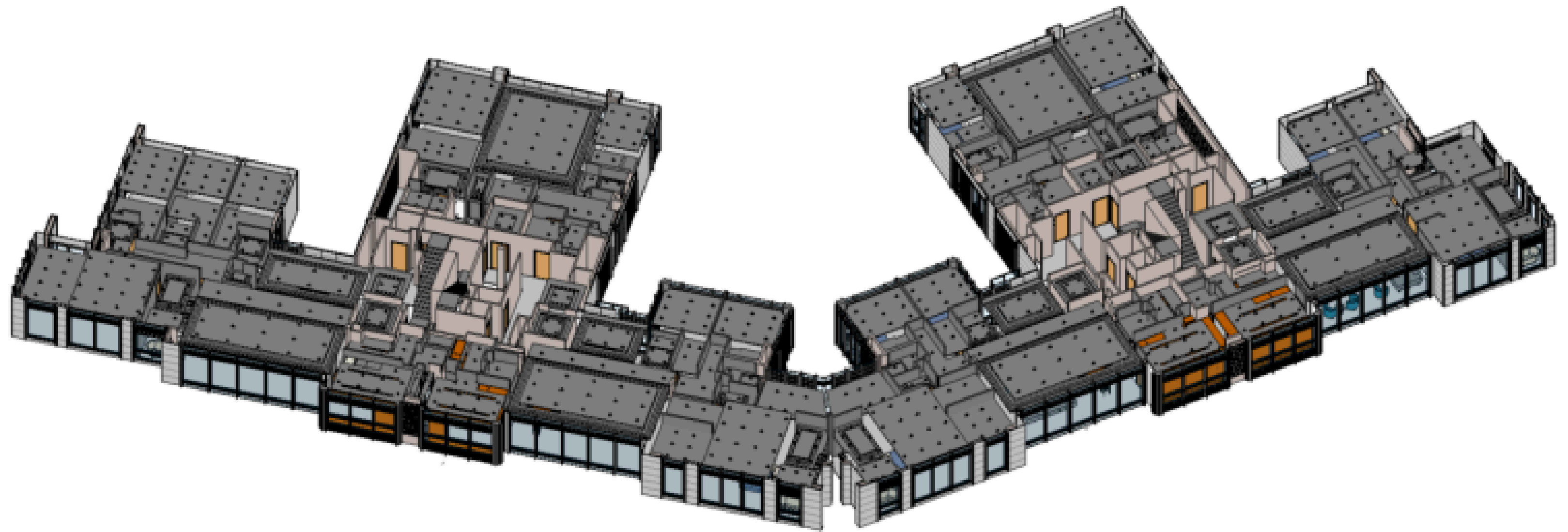
- Site location: NKIL6579, Lung Cheung Road, Kowloon
- Total GFA: 436,218 sq. ft
- Number of towers: 4

Major Duties

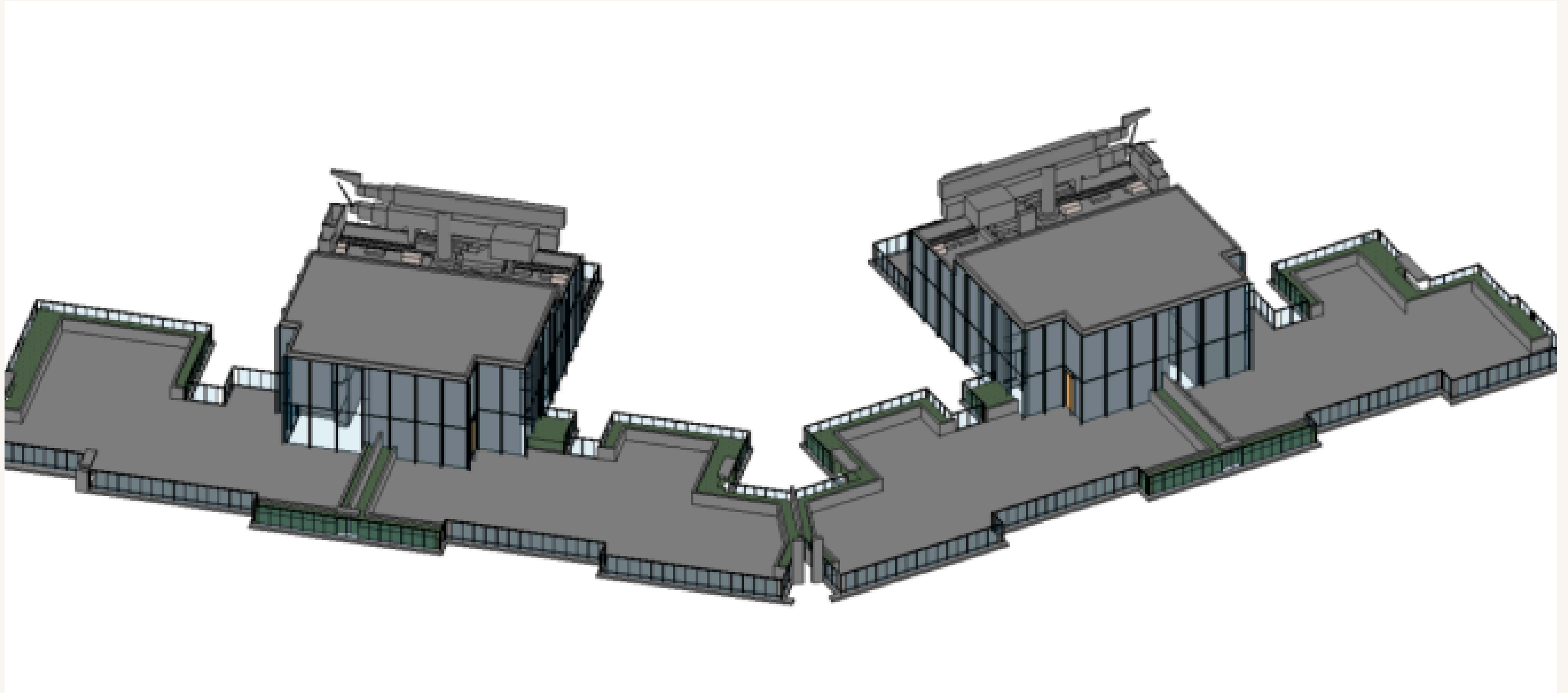
- To assist in building BIM models (Arc and Str)



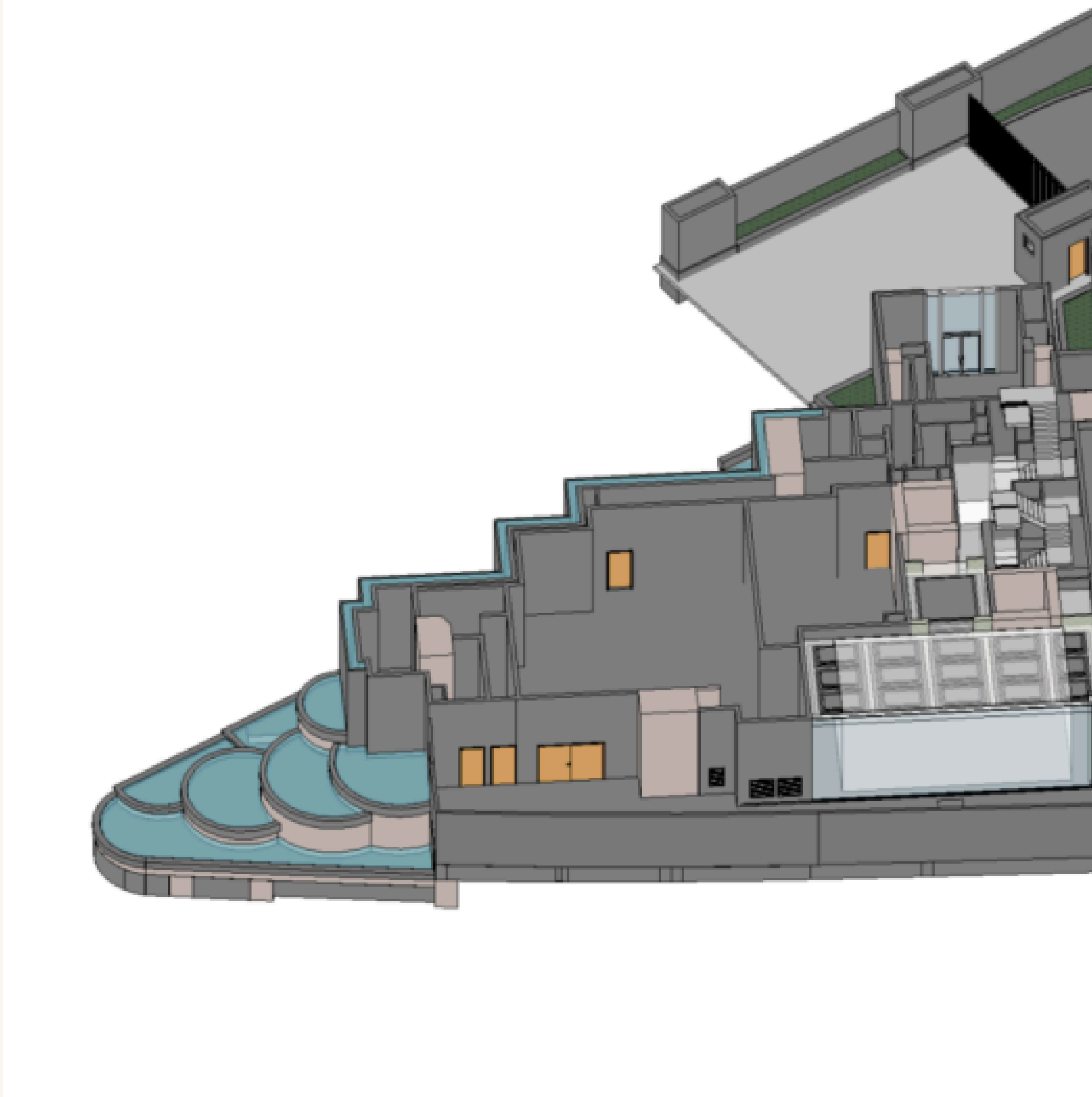
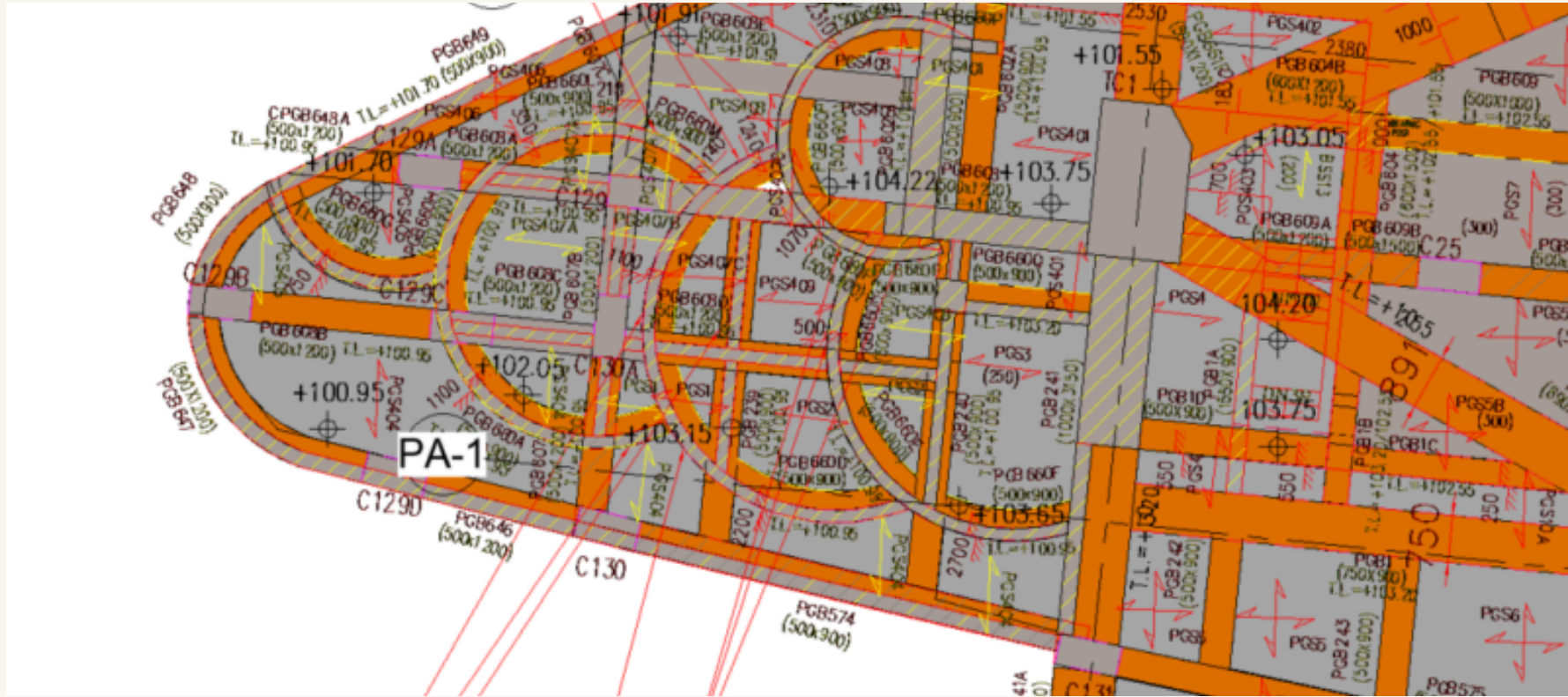
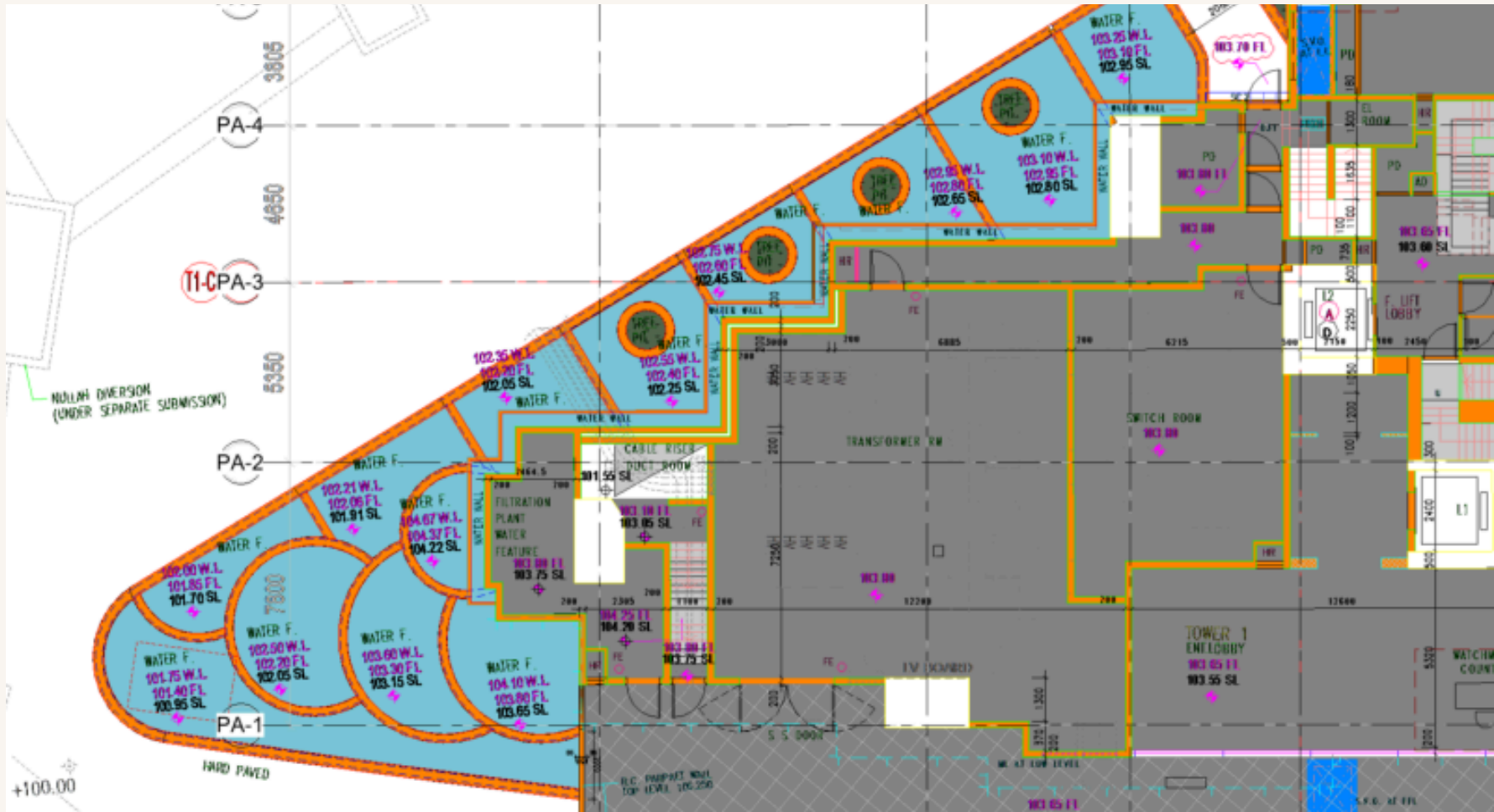
Arc Drawing of Typical Level



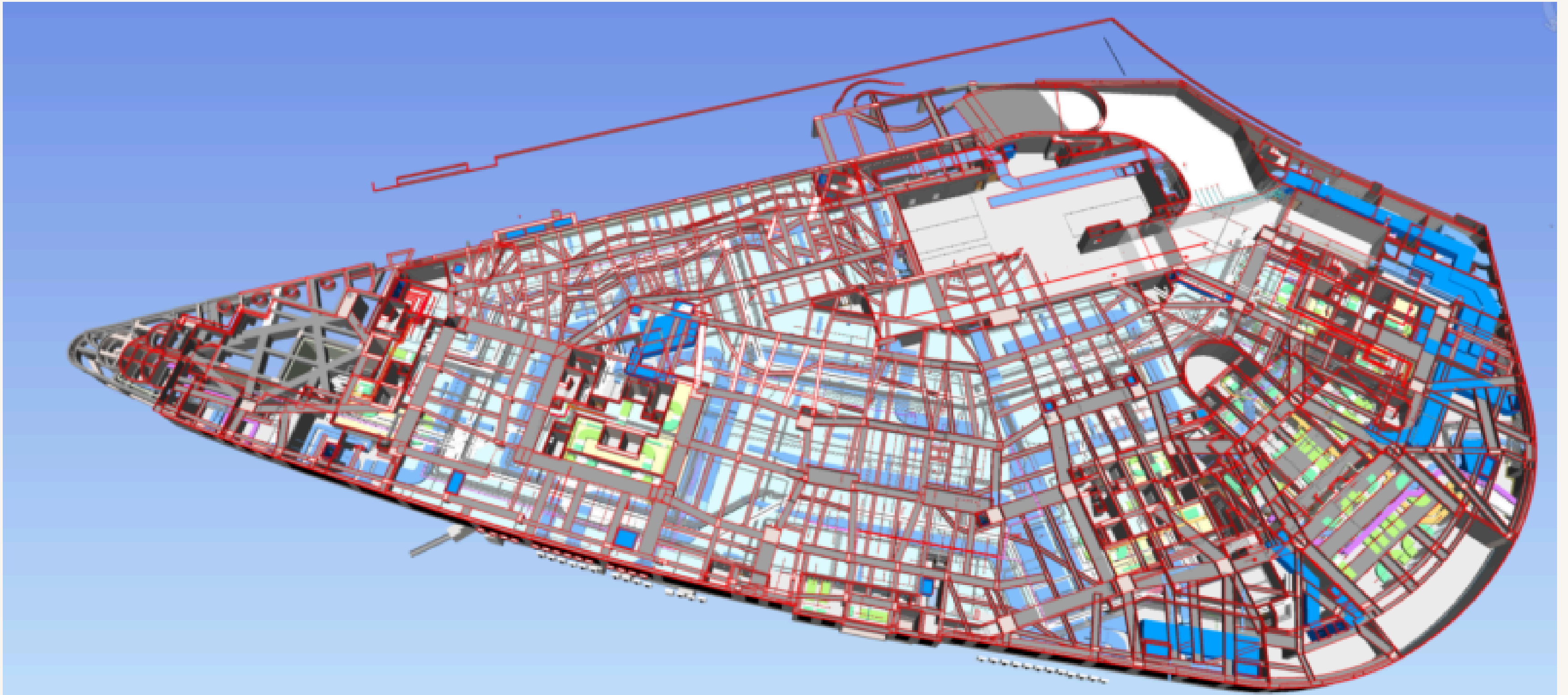
Arc Drawing of Roof



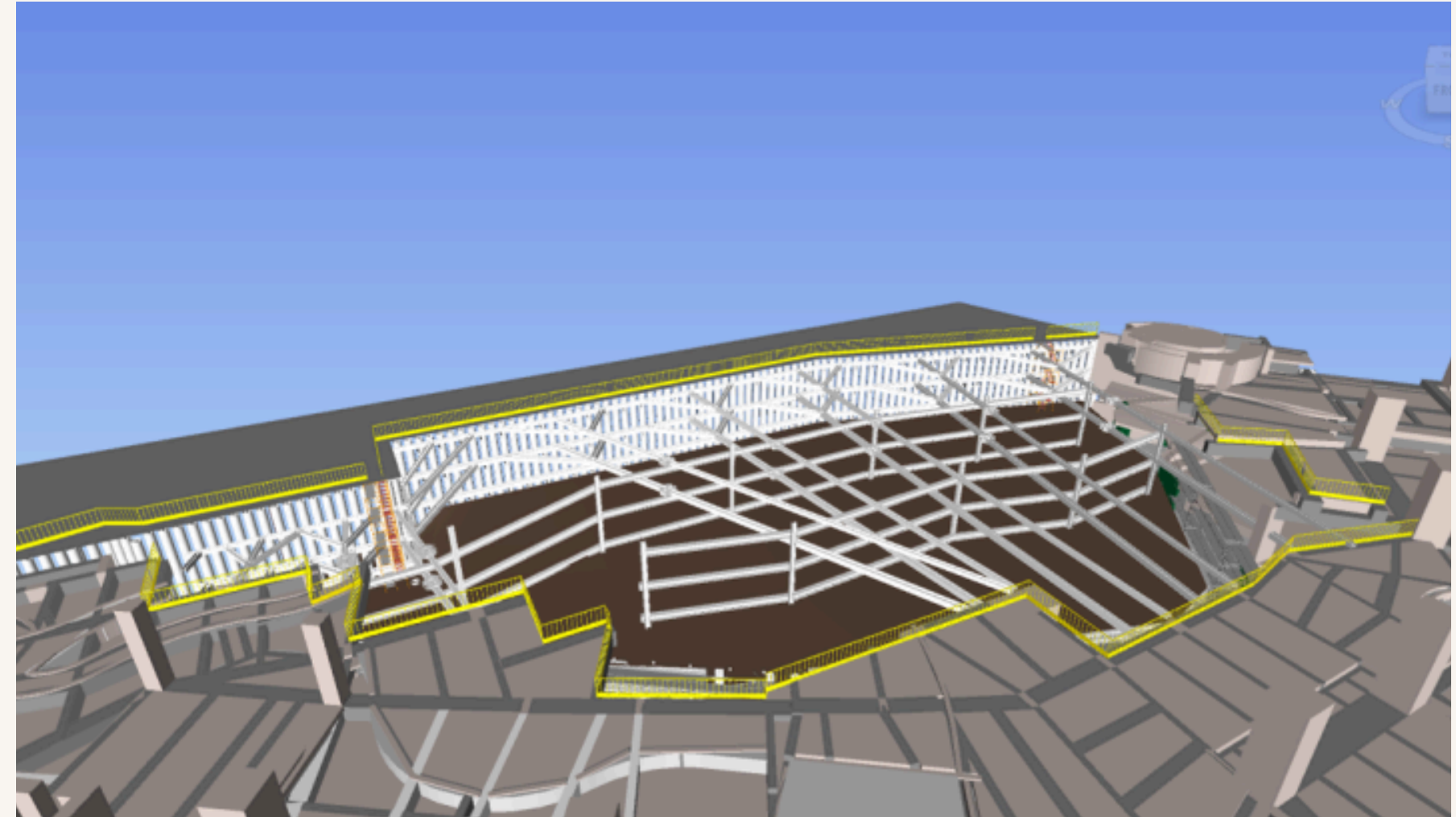
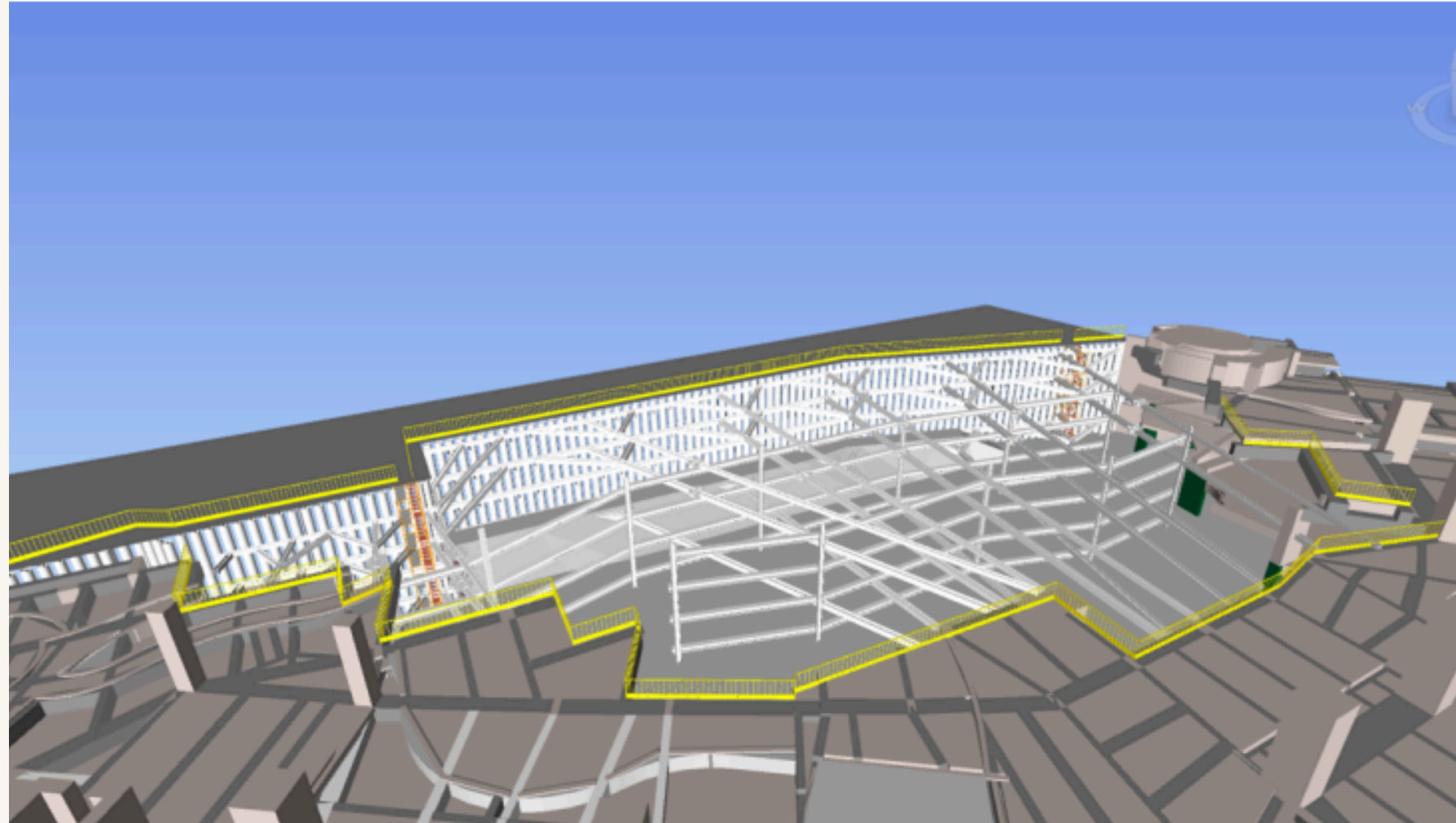
CAD Drawing for references



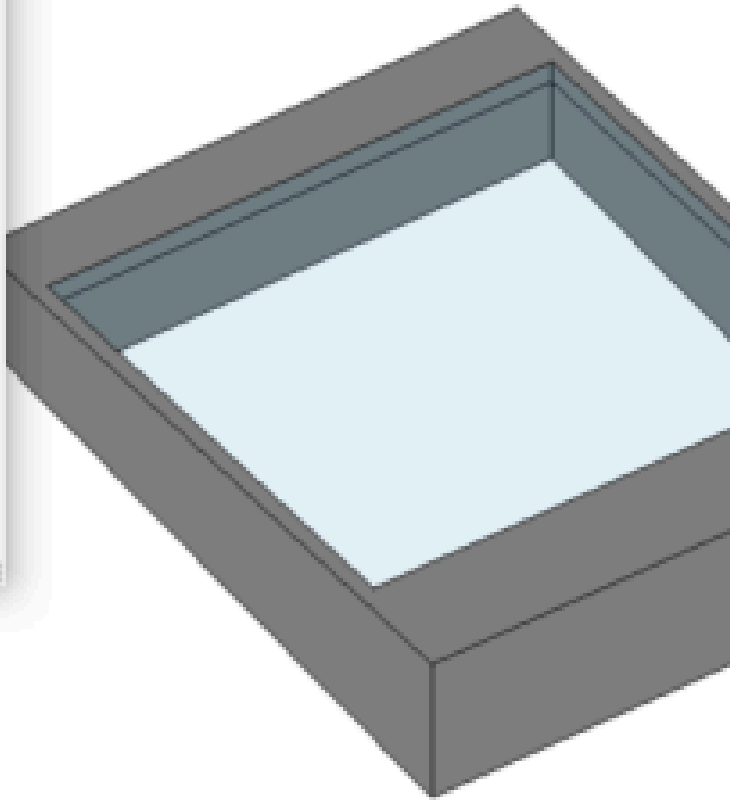
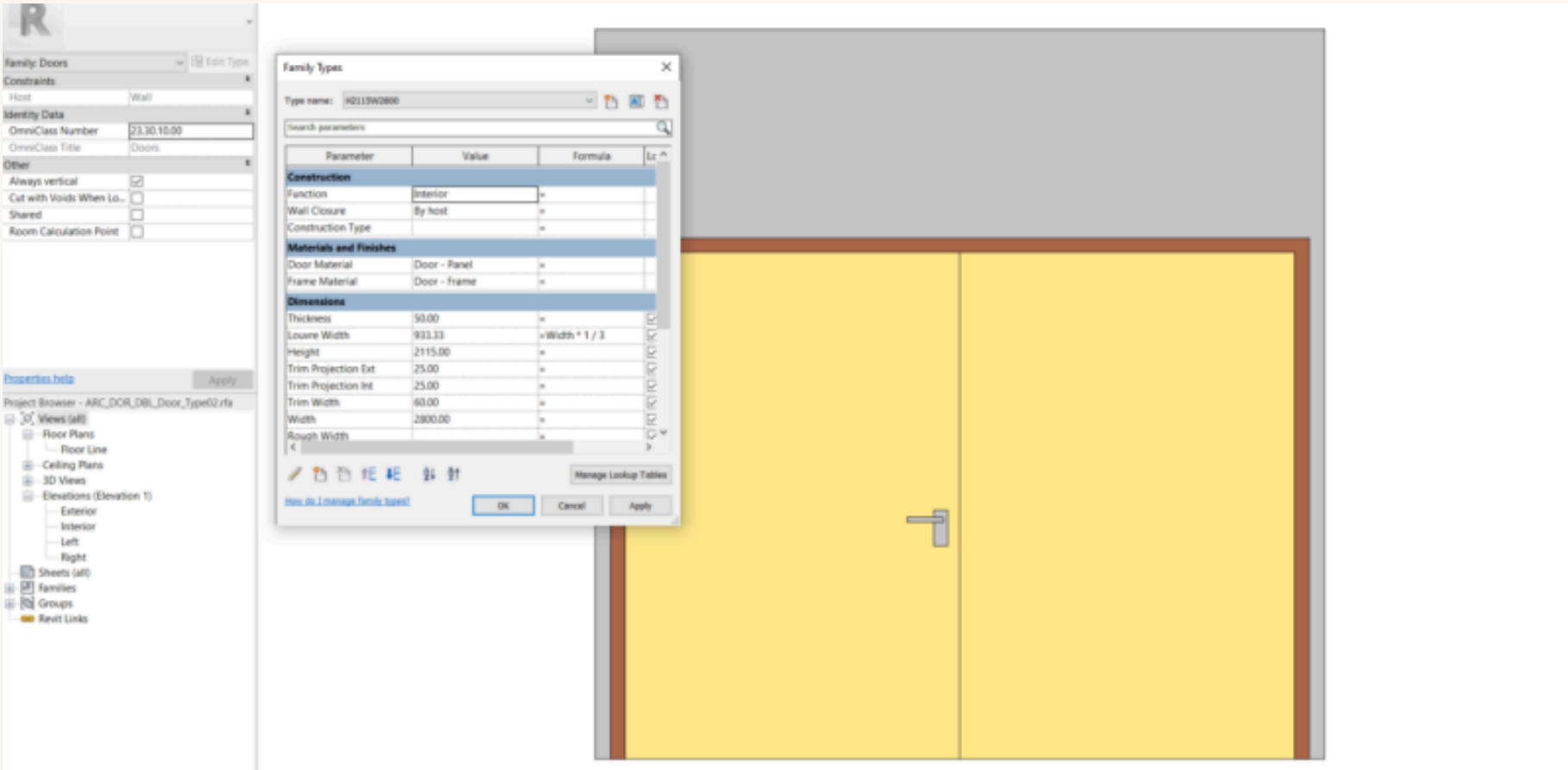
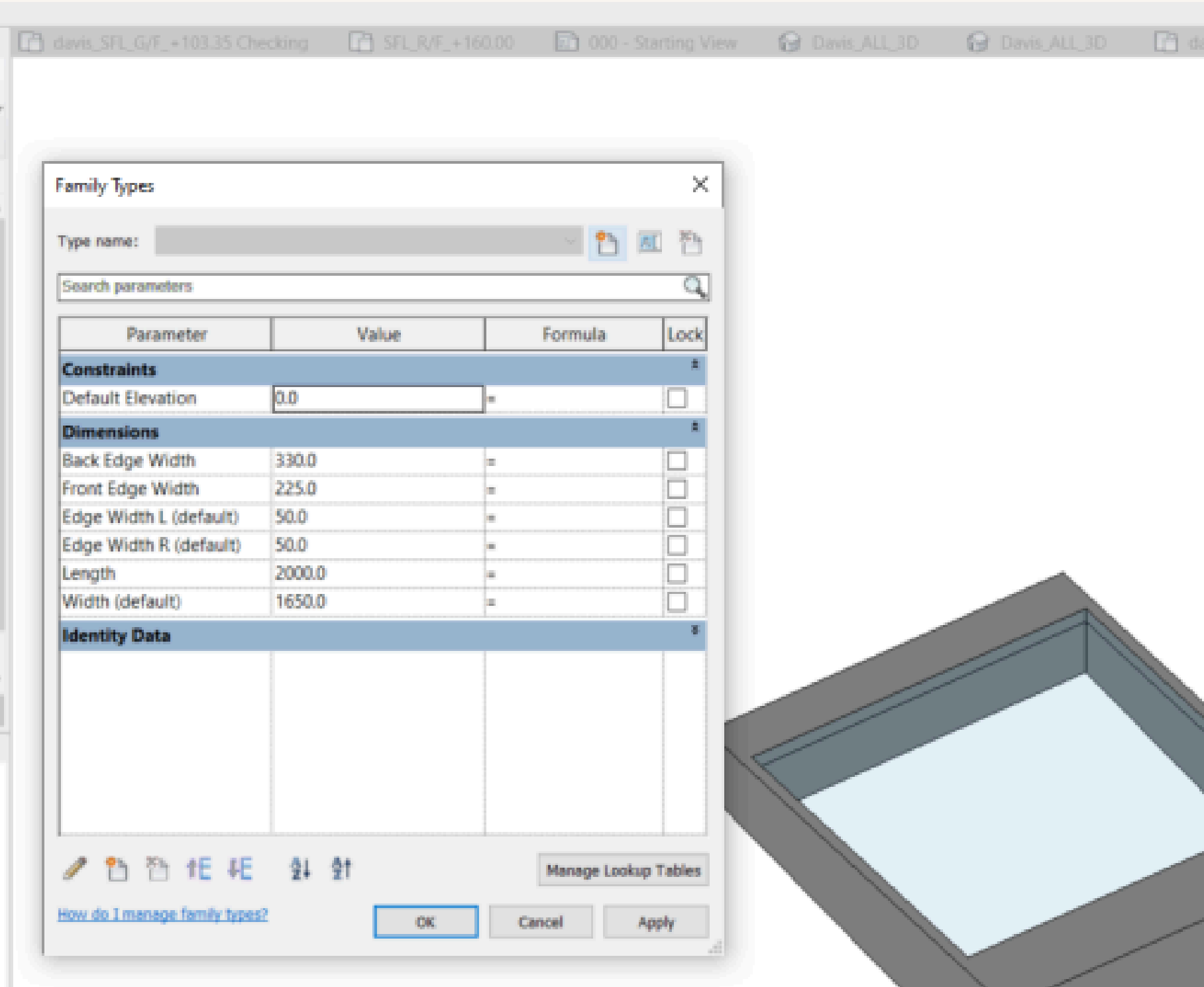
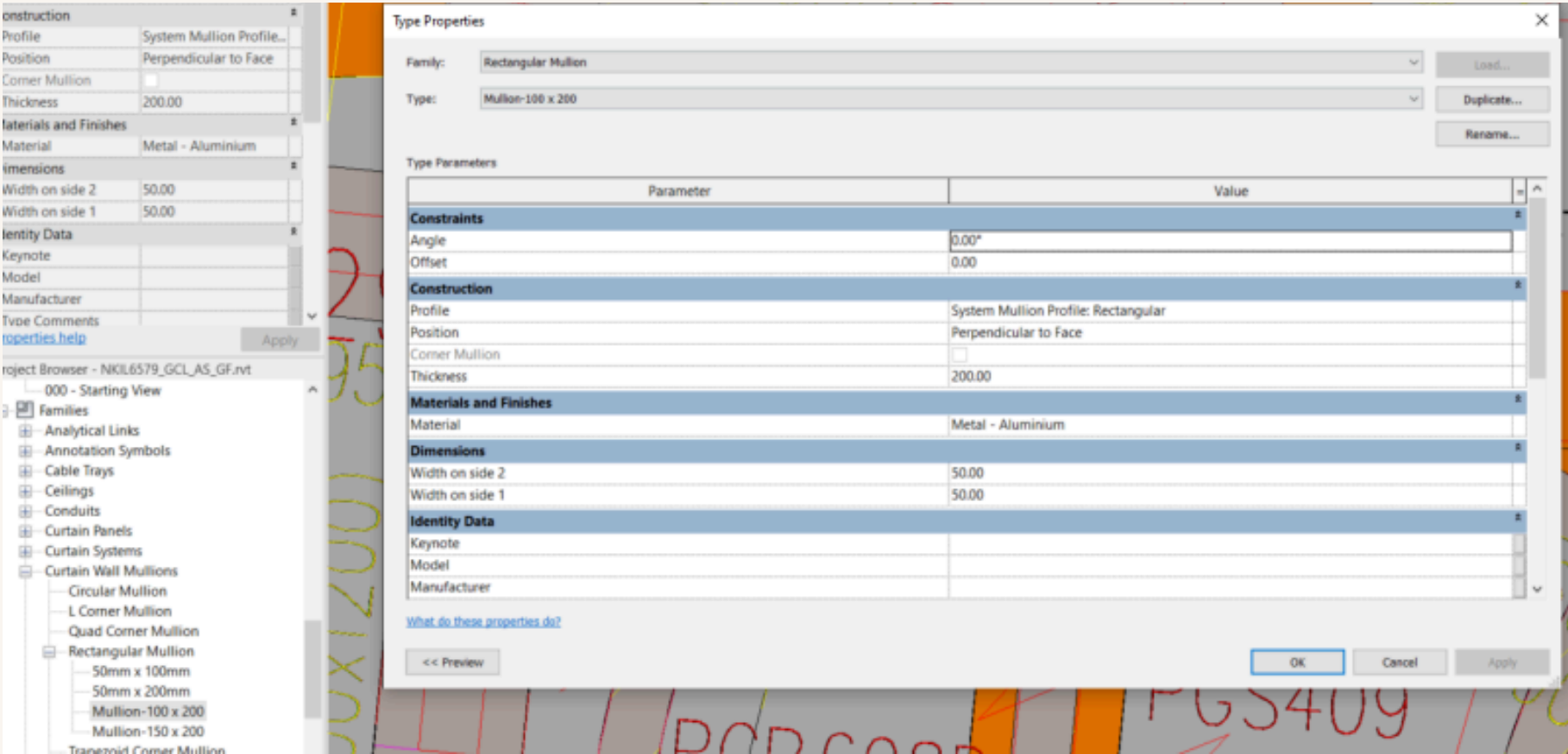
Navisworks for coordination meeting



ELS Model



Family Modeling



Hospital Authority Supporting Services Centre

SSJ501, North Lantau, Lantau Island

Project Information

- Construction period: 27 Oct 2020 – 2025
- Project Developer: Architectural Services Department (ASD)
- Client: Architectural Services Department (ASD)

Project Overview

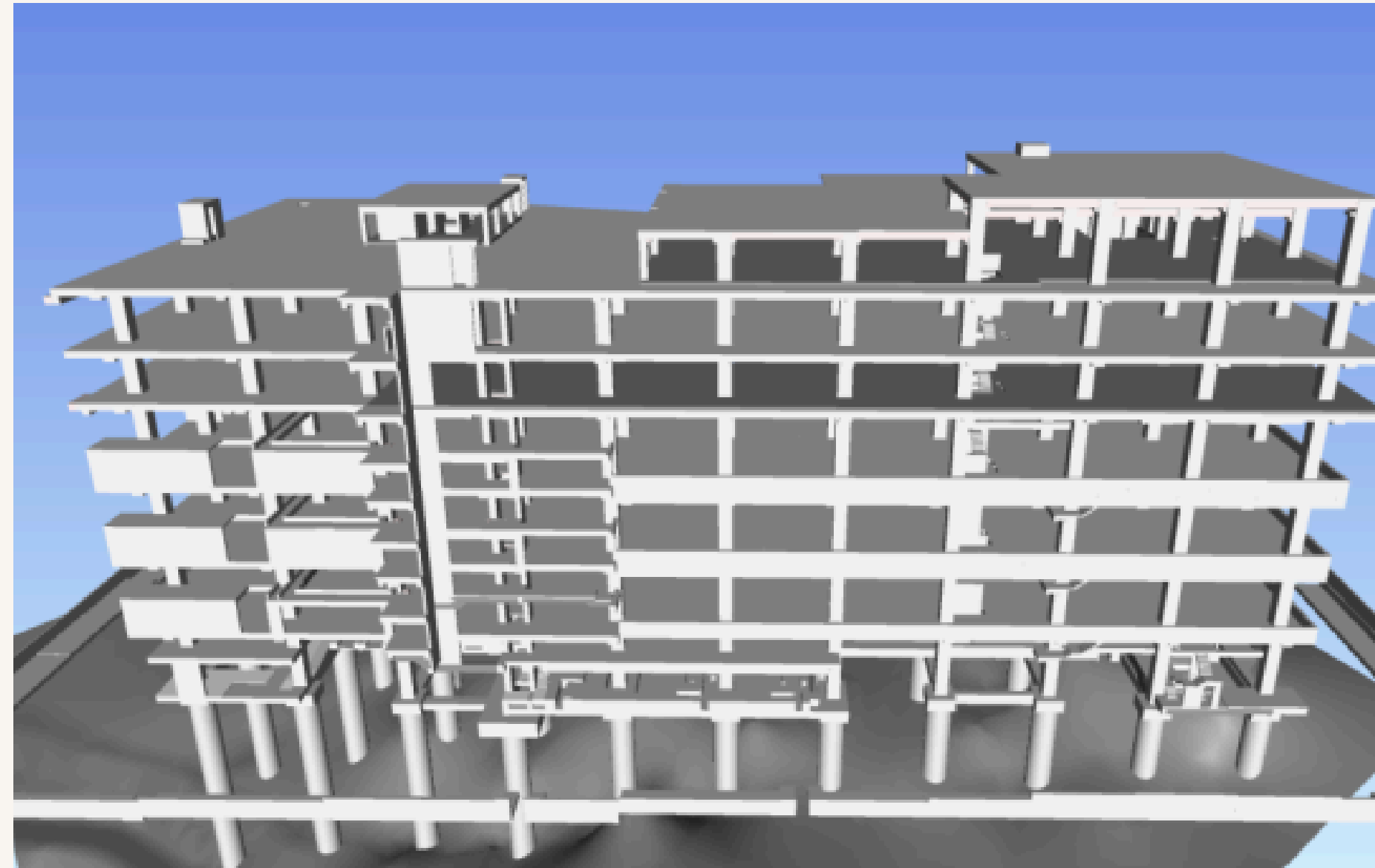
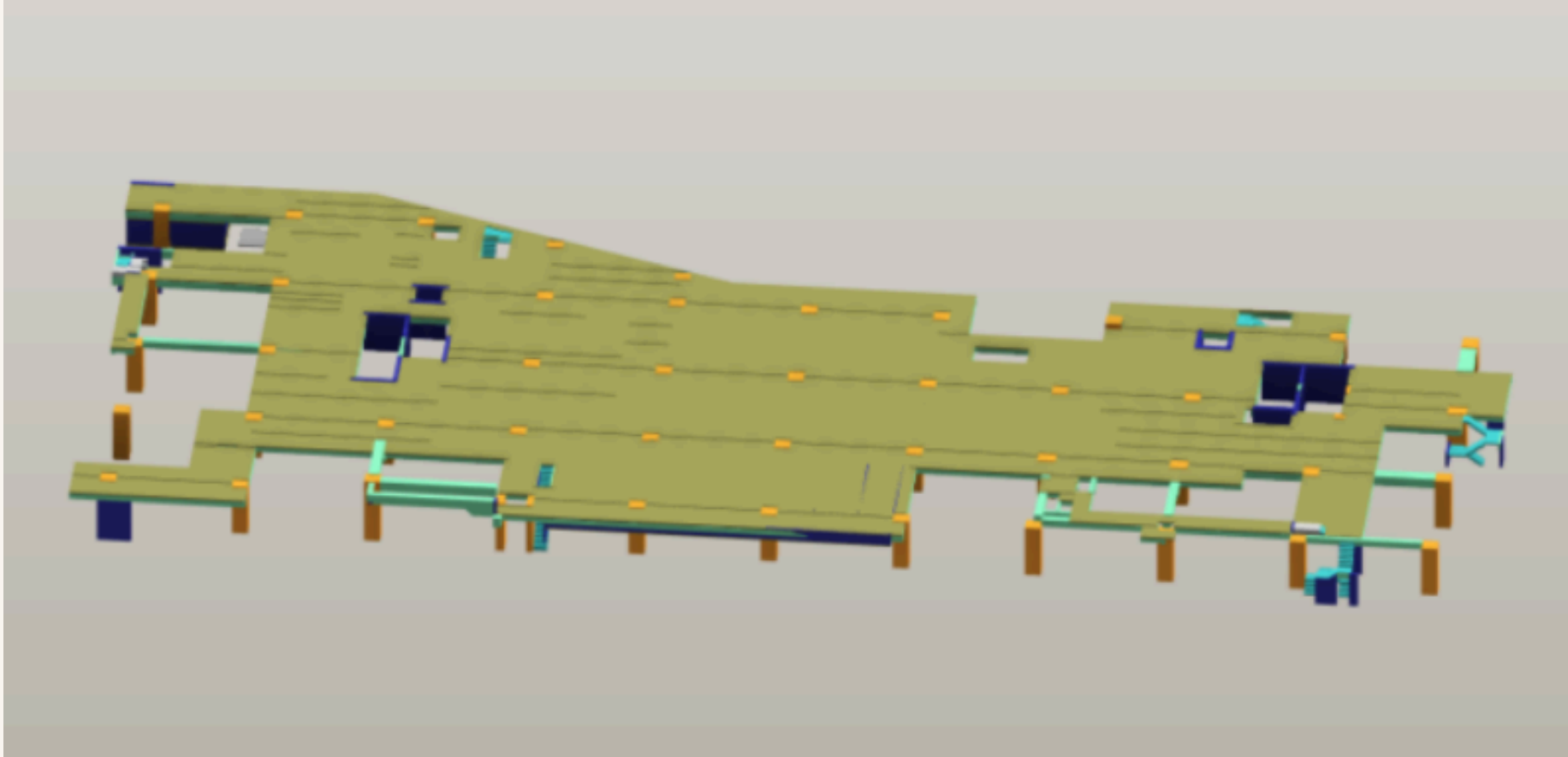
- Site location: Chui Kwan Dr, Lantau Island, N.T.
- Total GFA: 21,406 sq. m
- Number of towers: 1

Major Duties

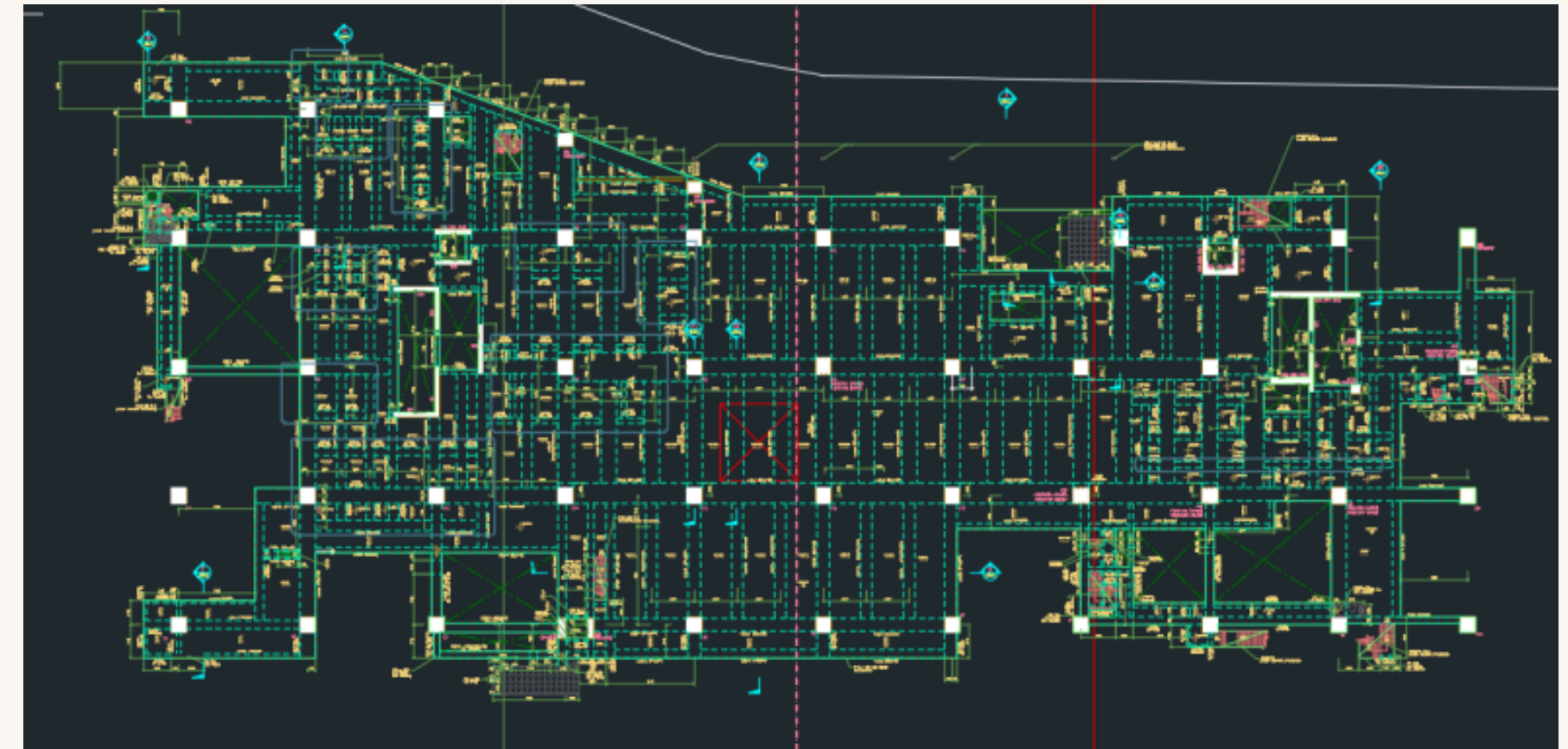
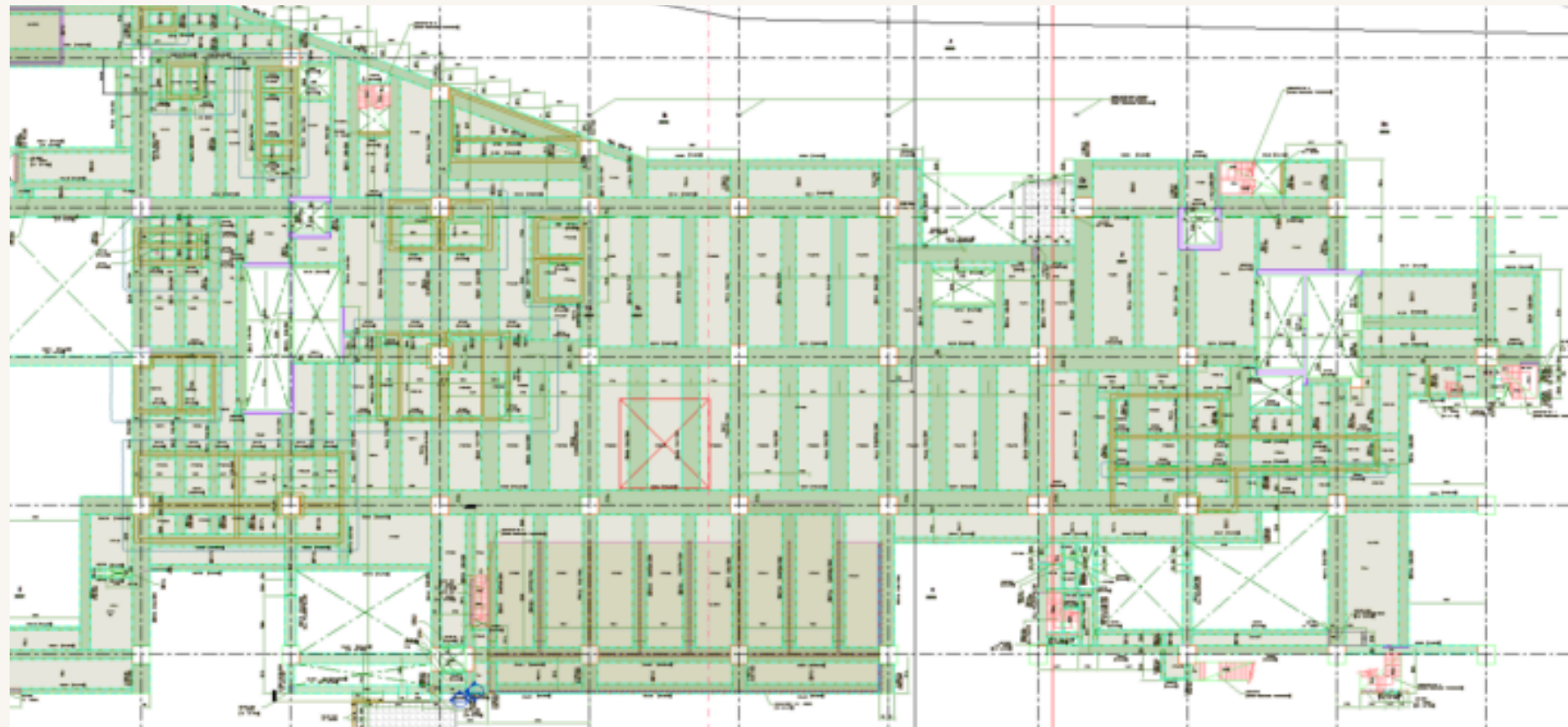
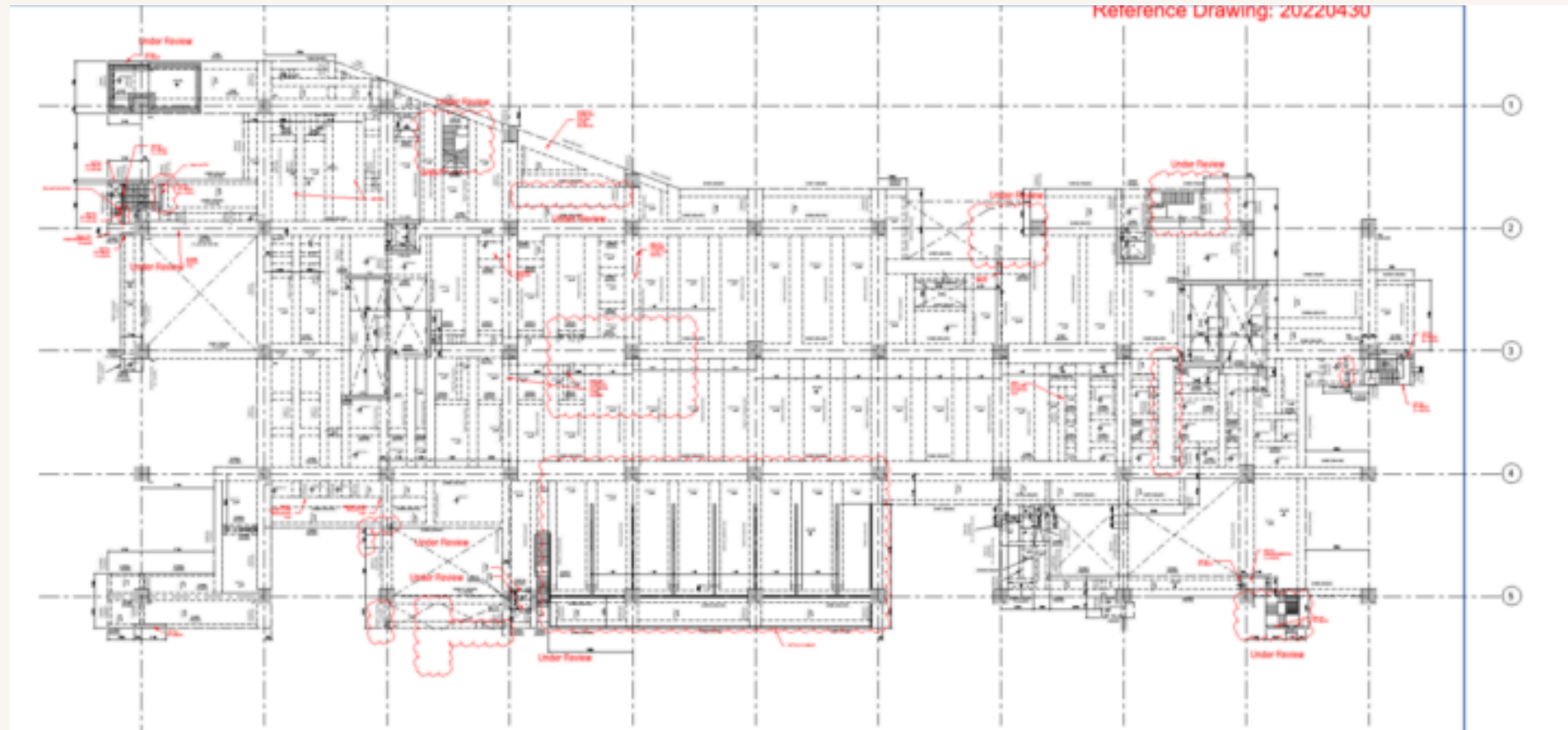
- To assist in building BIM models (Str)



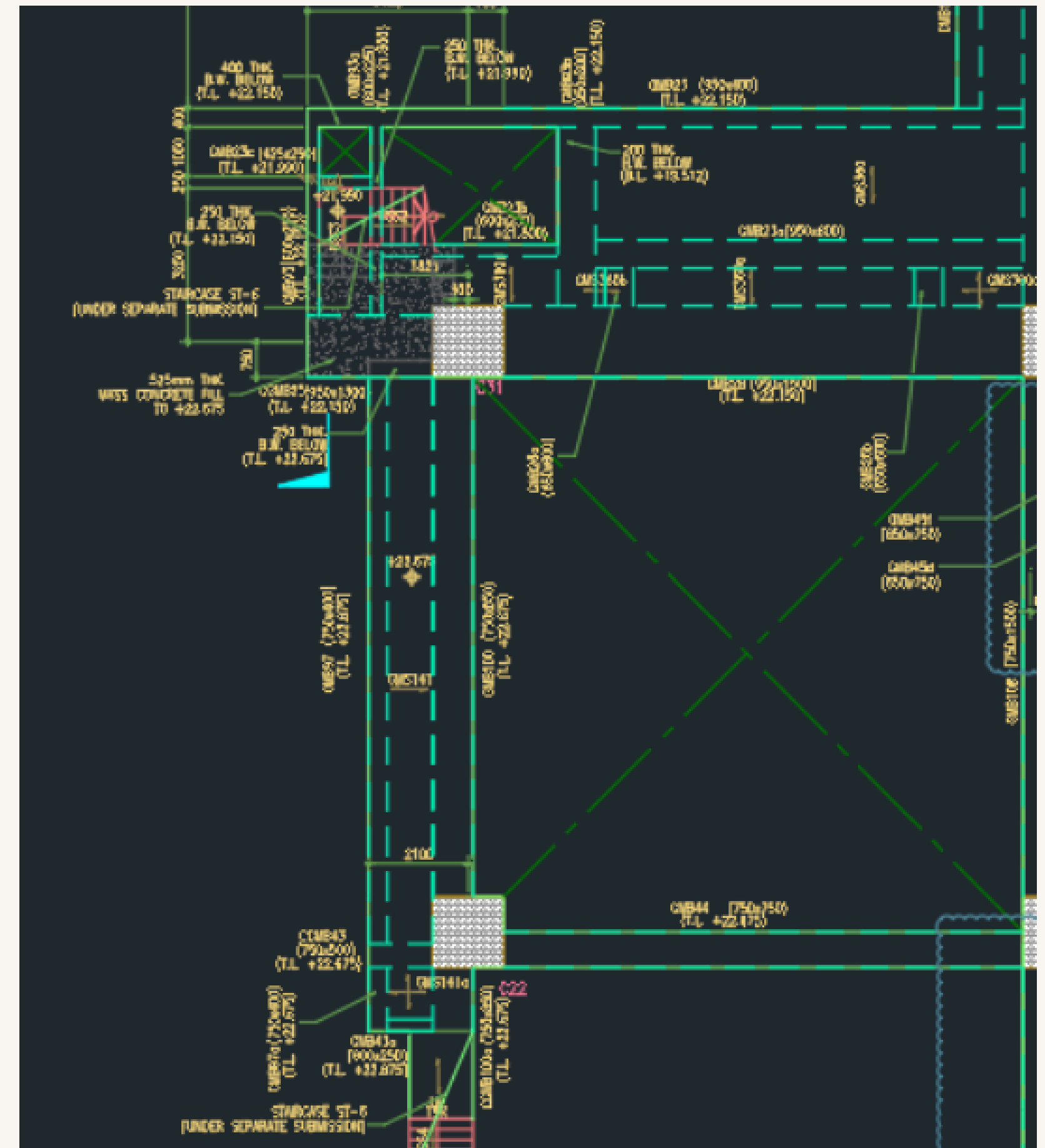
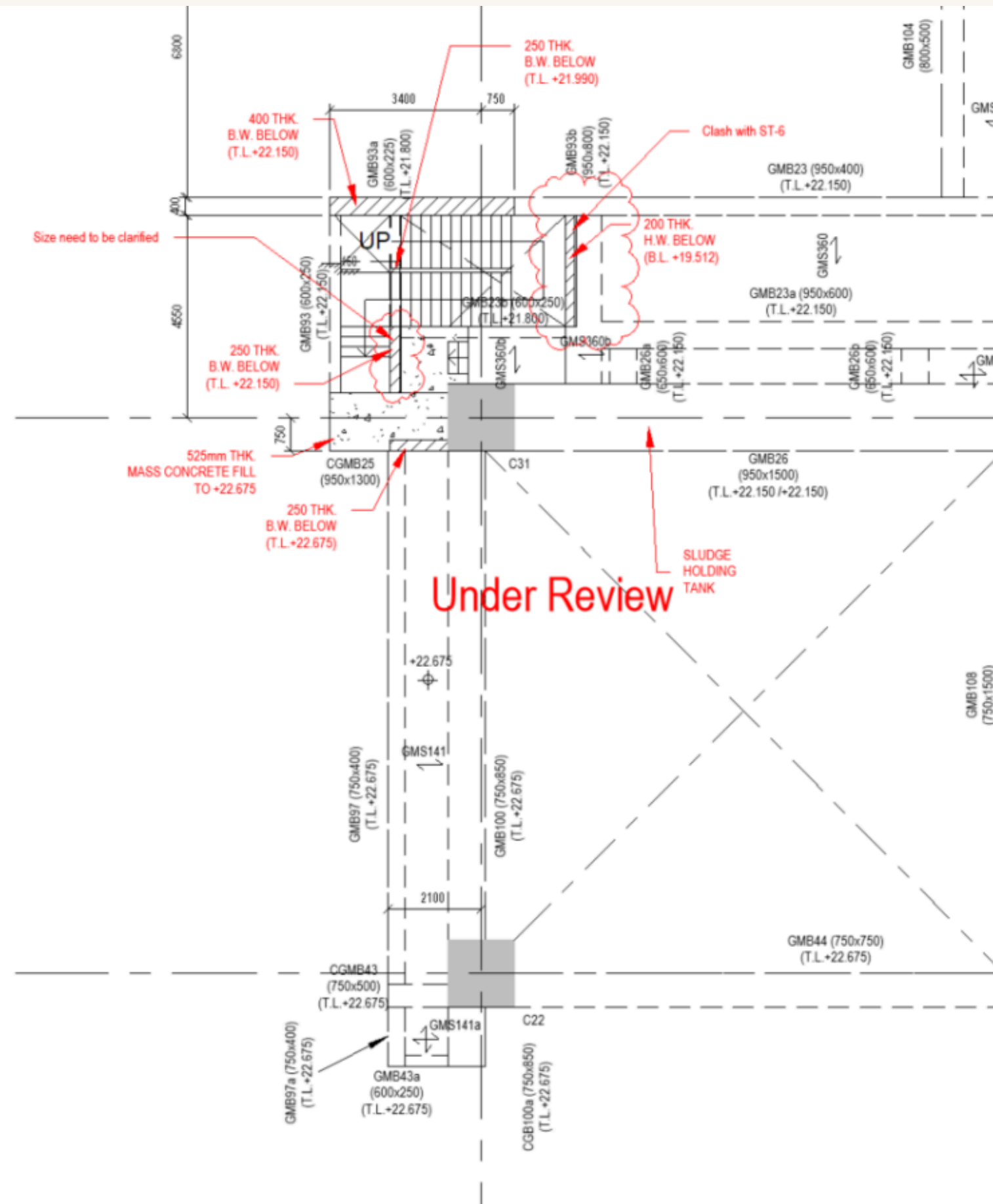
Str Drawing



Exporting Str Plan for design and build



Exporting Str Plan for design and build



Annotation Family

Type Properties

Family:

ANN-TAG-ADS-20-Structural Framing 1

Load...

Type:

Number & Size & Elevation (Left drop l

Duplicate...

Rename...

Type Parameters

Parameter	Value	=
Graphics		
Leader Arrowhead	None	
Text		
Number & Size	☐	
Number & Size & Elevation	☐	
Number & Size & Elevation (Low	☐	
Number & Size & Elevation (Hig	☐	
Number & Size (one line)	☐	
Number + Size & Elevation	☐	
Other		
Box Visibility	☐	
Elevation	☐	
Number & Size & Elevation (Hig	☐	
Number & Size & Elevation (Hig	☐	
Number & Size & Elevation (Left	☒	
Number & Size & Elevation (Low	☐	

[What do these properties do?](#)

<< Preview

OK

Cancel

Apply

Tag All Not Tagged

Select at least one Category and Tag or Symbol Family to annotate non-annotated objects:

☒ All objects in current view

☐ Only selected objects in current view

☐ Include elements from linked files

☐	Category	Loaded Tags
☐	Floor Tags	M_Floor Tag : Elevation at top
☐	Span Direction Symbol	M_Span Direction Fixed-No Filled : One Way Slab - 02mm_Number
☐	Stair Tags	ANN-TAG-ADS-20-Stair Tag : Number & Size
☐	Structural Column Tags	ANN-TAG-ADS-Structural Column_Tag : Number
☐	Structural Framing Tags	ANN-TAG-ADS-20-Structural Framing Tag_1.5H : Number & Size (one line)
☐	Wall Tags	ANN-WLG-DHK-Plan_Mark : Mark

☐ Leader

Leader Length: 12.7 mm

Tag Orientation: Horizontal

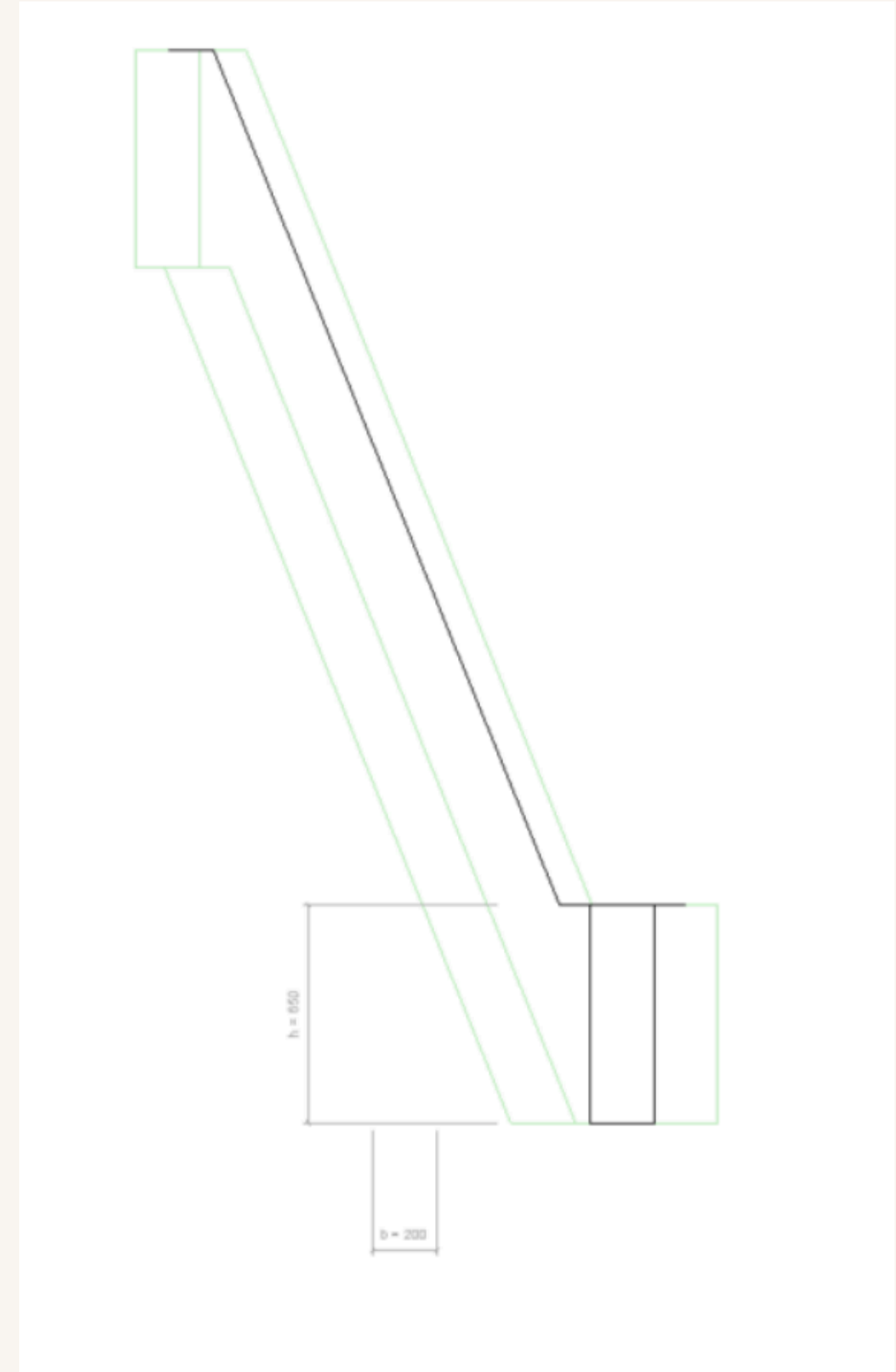
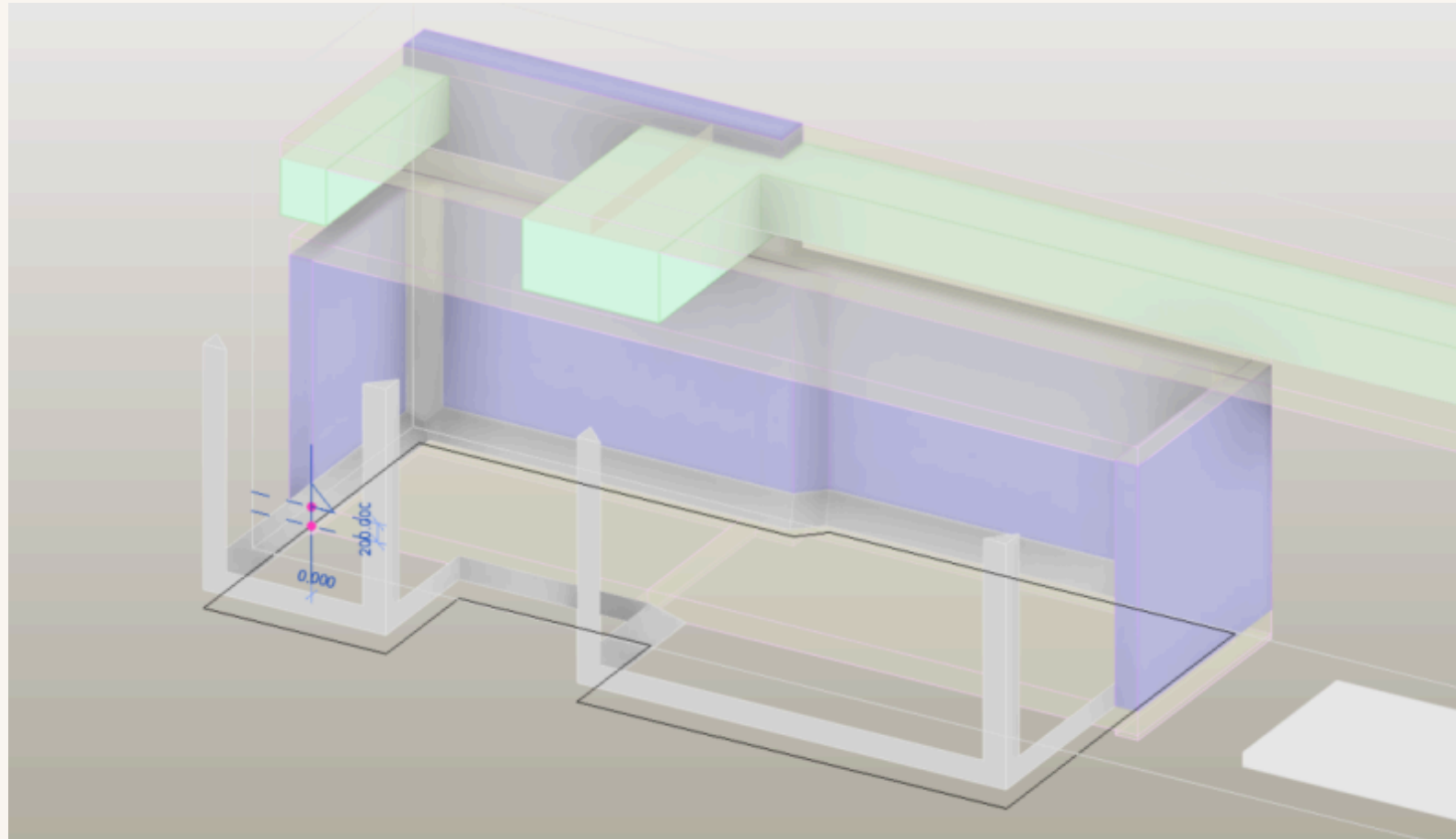
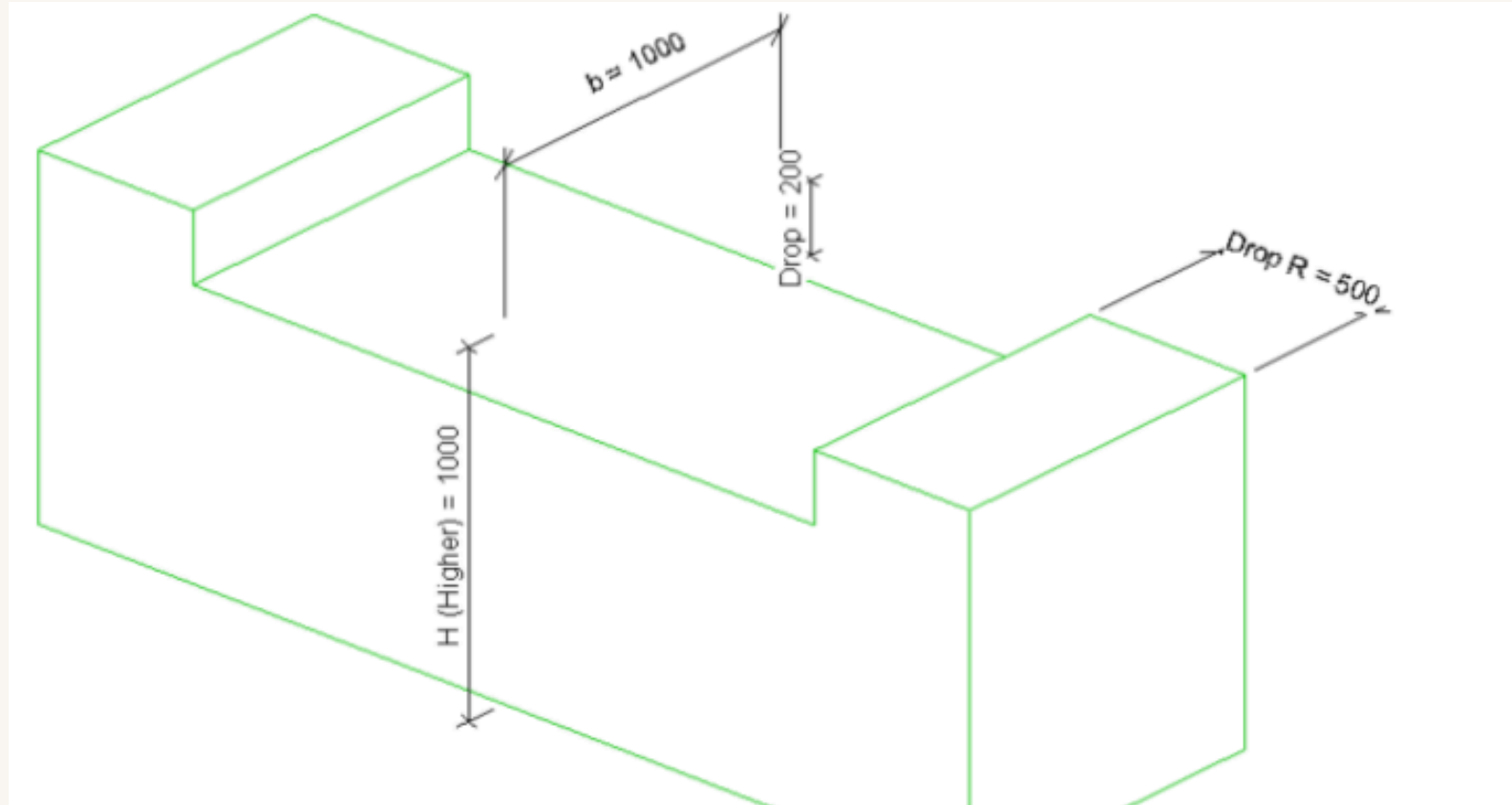
OK

Cancel

Apply

Help

Family Modeling



Terminal 2 Expansion Works

J3508, 1 Sky Plaza Rd, Chek Lap Kok

Project Information

- Construction period: 2019–2026
- Project Developer: Gammon Construction Limited
- Client: Airport Authority Hong Kong

Project Overview

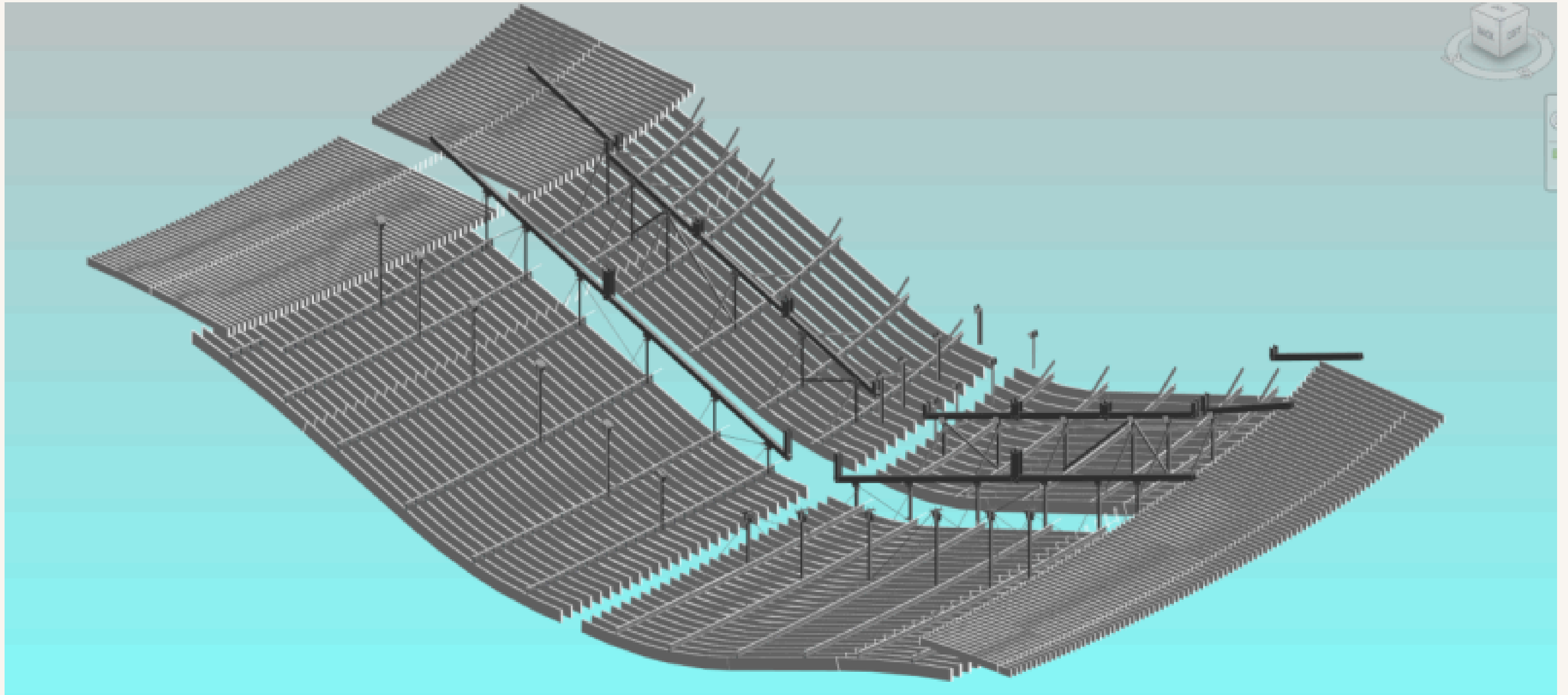
- Site location: 1 Sky Plaza Rd, Chek Lap Kok
- Number of towers: 1 Main Building and 2 Annex Buildings

Major Duties

- To assist in building BIM models (Ceiling)



Str Drawing



Family Modeling

Family Types

Type name: AA-Hanger_L-Angle_70x70x8

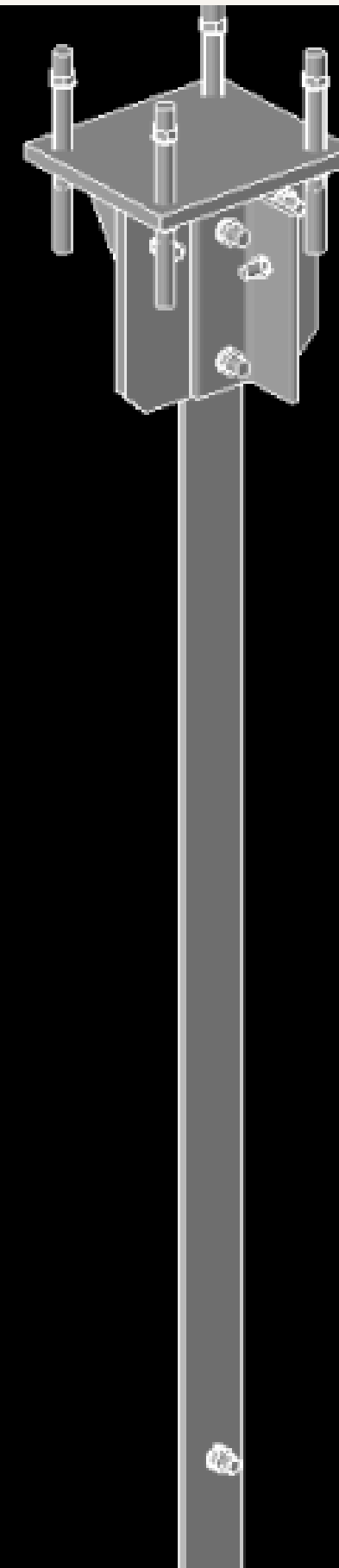
Search parameters

Parameter	Value	Formula	Lock
Constraints			
Default Elevation	0.0	=	☐
Materials and Finishes			
Structural Material (default)	<By Category>	=	
Dimensions			
Bolt Depth (default)	80.0	=	☐
Bolt Offset (default)	0.0	=	☐
Hanger Height (default)	1505.9	= L_Angle Length	☐
Hanger L-Angle Height (def	1379.9	= Hanger Height - 126 mm	☐
L_Angle Length (default)	1505.9	=	☐
Bottom_Tie_Bolt_Length (def	1337.4	= Main_L_Connect_C_Bolt - 13	☐
Lower Bolt Offset (default)	50.0	=	☐
Main_L_Connect_C_Bolt (def	1472.4	= L_Angle Length - 33.5 mm	☐
Struct_Bolt_Metric (default)	10.0	=	☐
Struct_Ring_Space (default)	0.0	=	☐
Struct_Bolt_Depth (default)	20.0	=	☐
Tie_Bar_Bolt_Metric (default)	8.0	=	☐
Tie_Bar_Ring_Space (default)	0.0	=	☐
Tie_Bar_Bolt_Depth (default)	14.0	=	☐
Connect_C_Bolt_Metric (defa	8.0	=	☐
Connect_C_Ring_Space (def	5.0	=	☐
Connect_C_Bolt_Depth (defa	9.0	=	☐
Other			

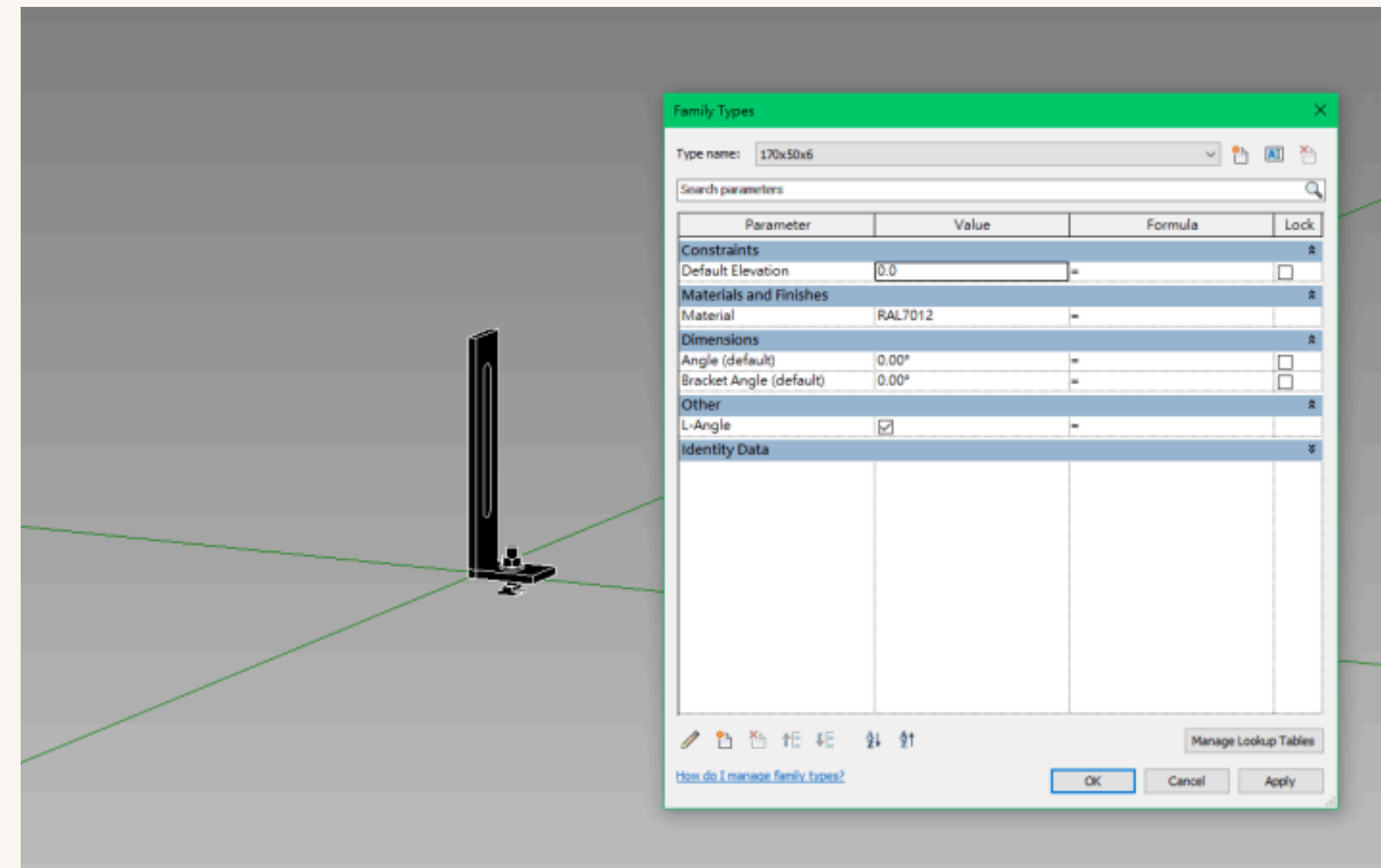
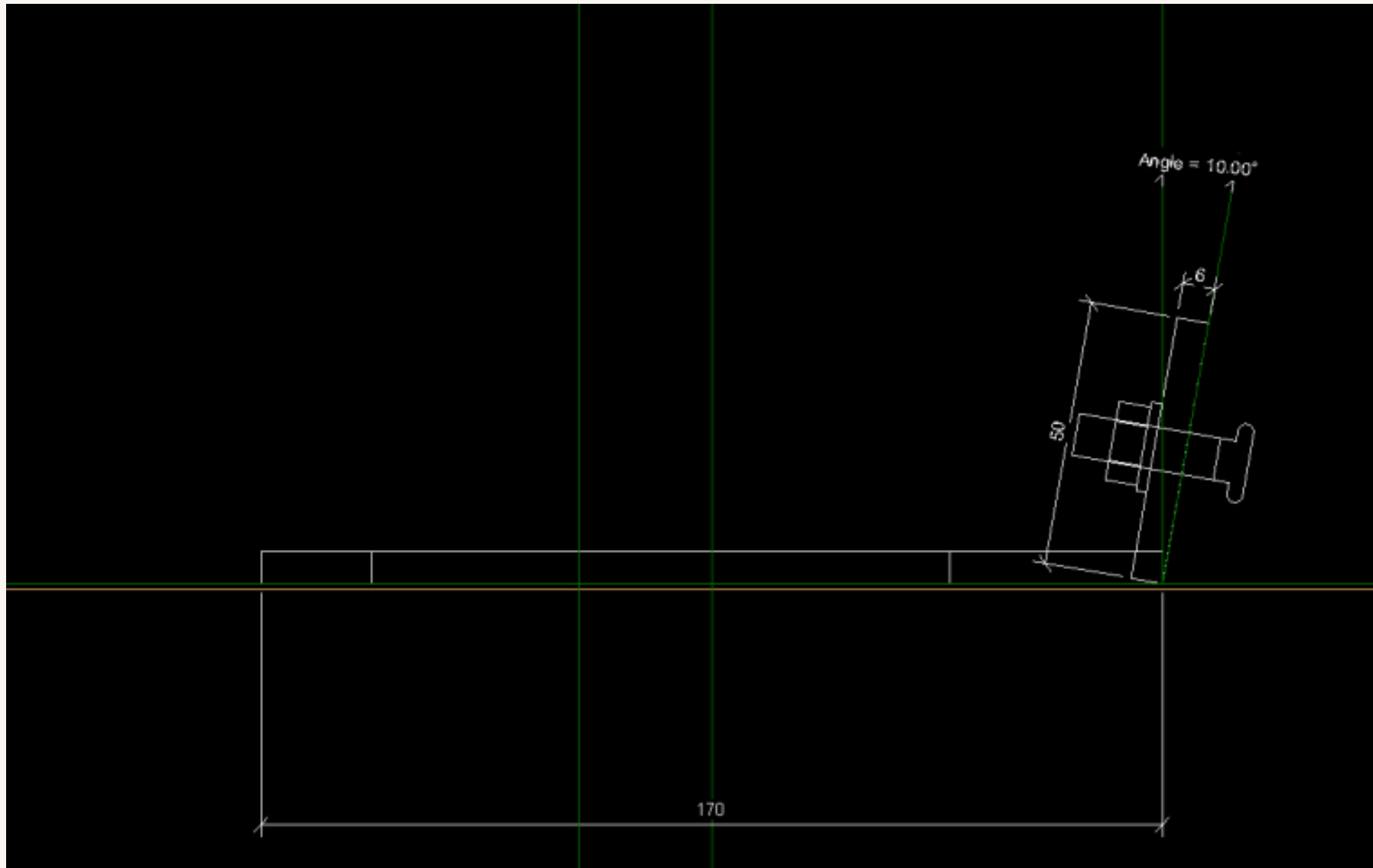
How do I manage family types?

OK Cancel Apply

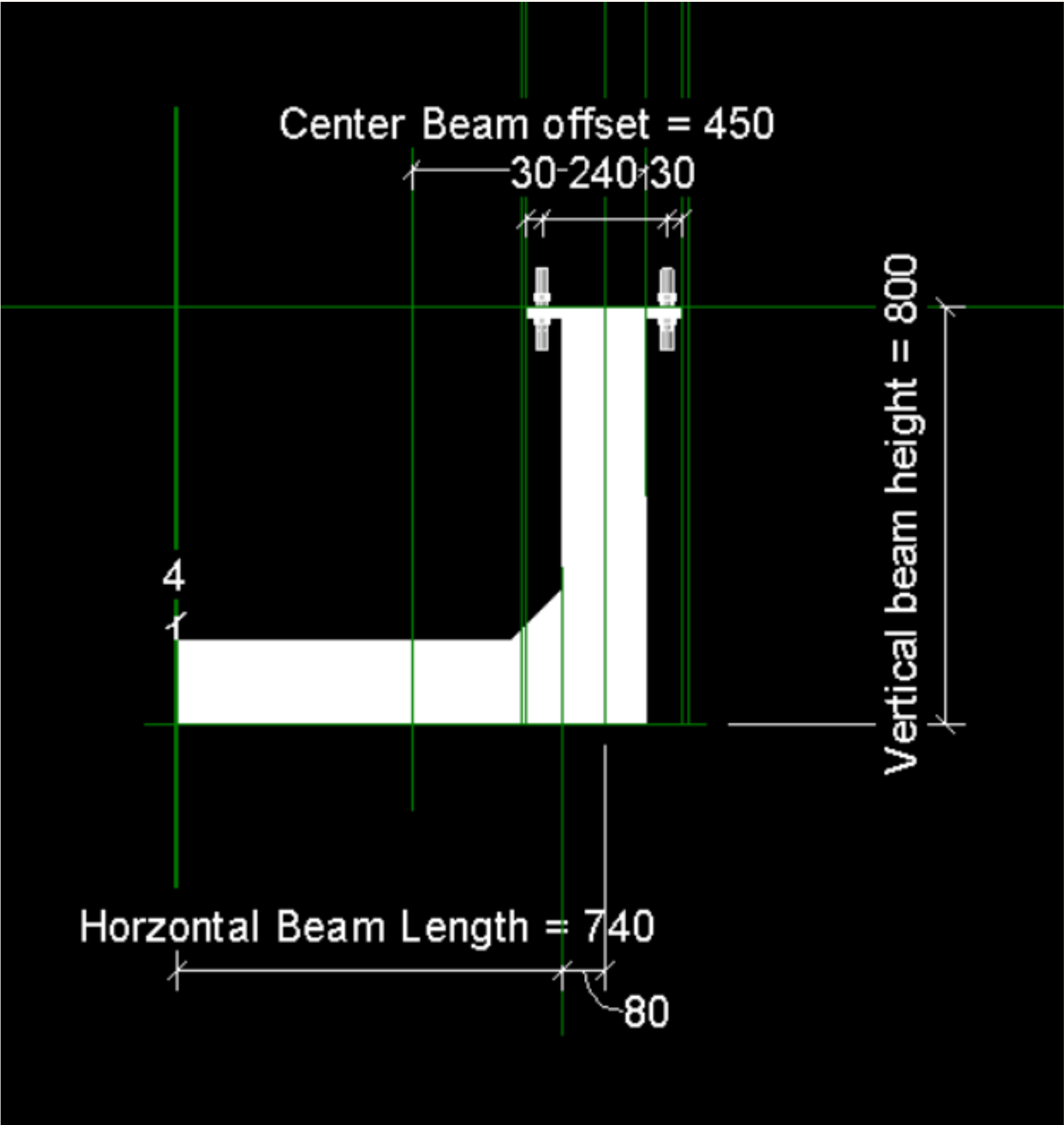
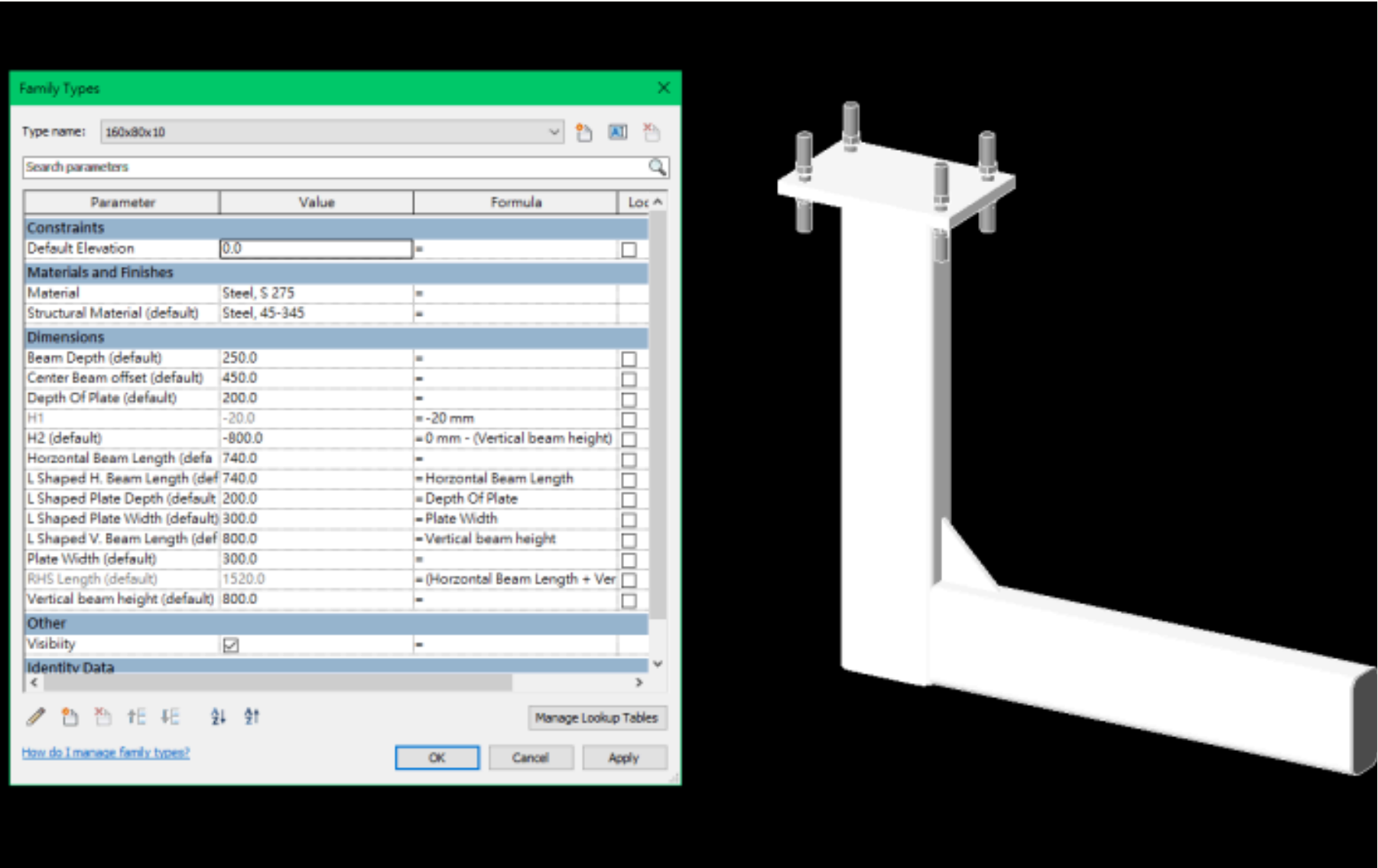
Manage Lookup Tables



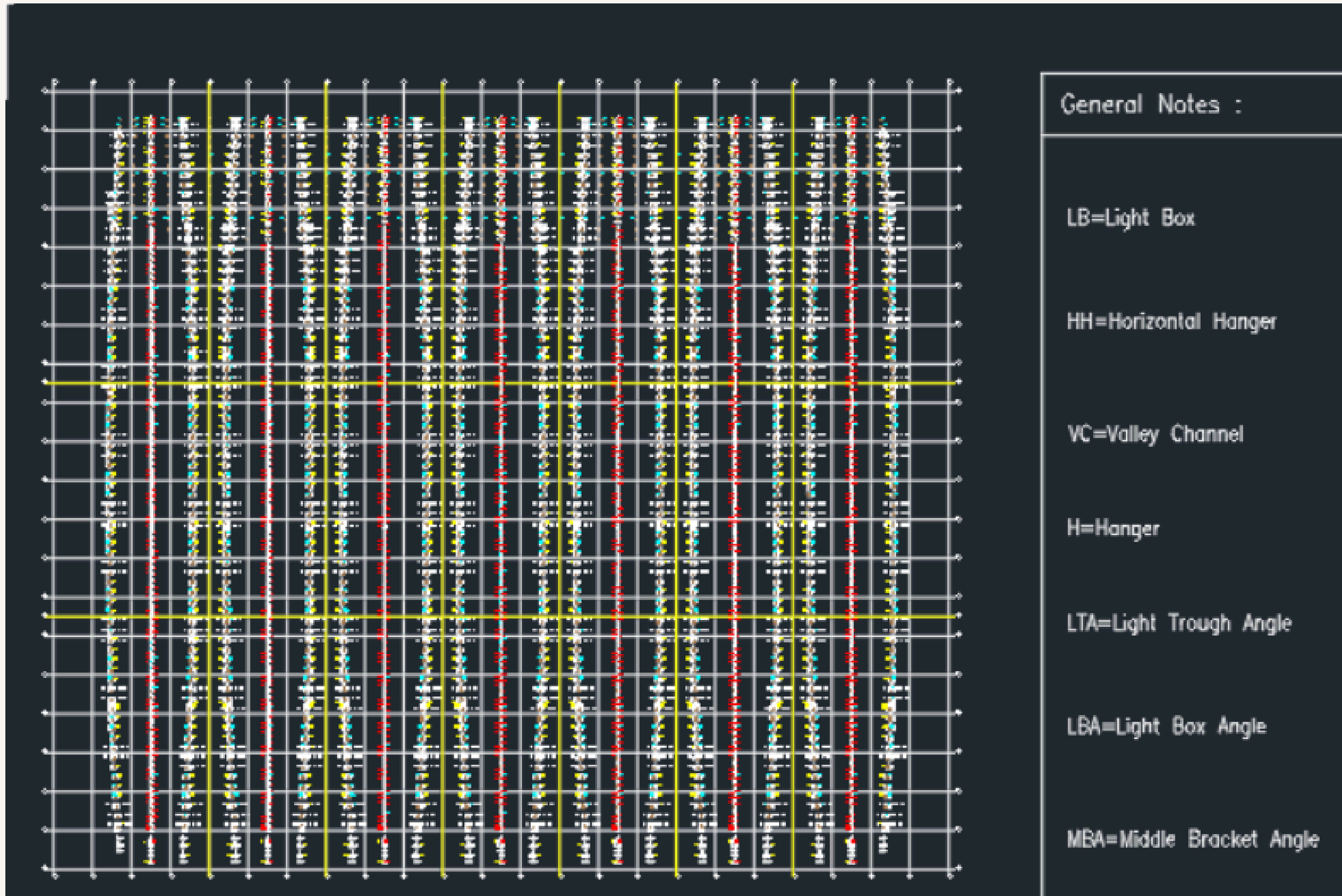
Family Modeling



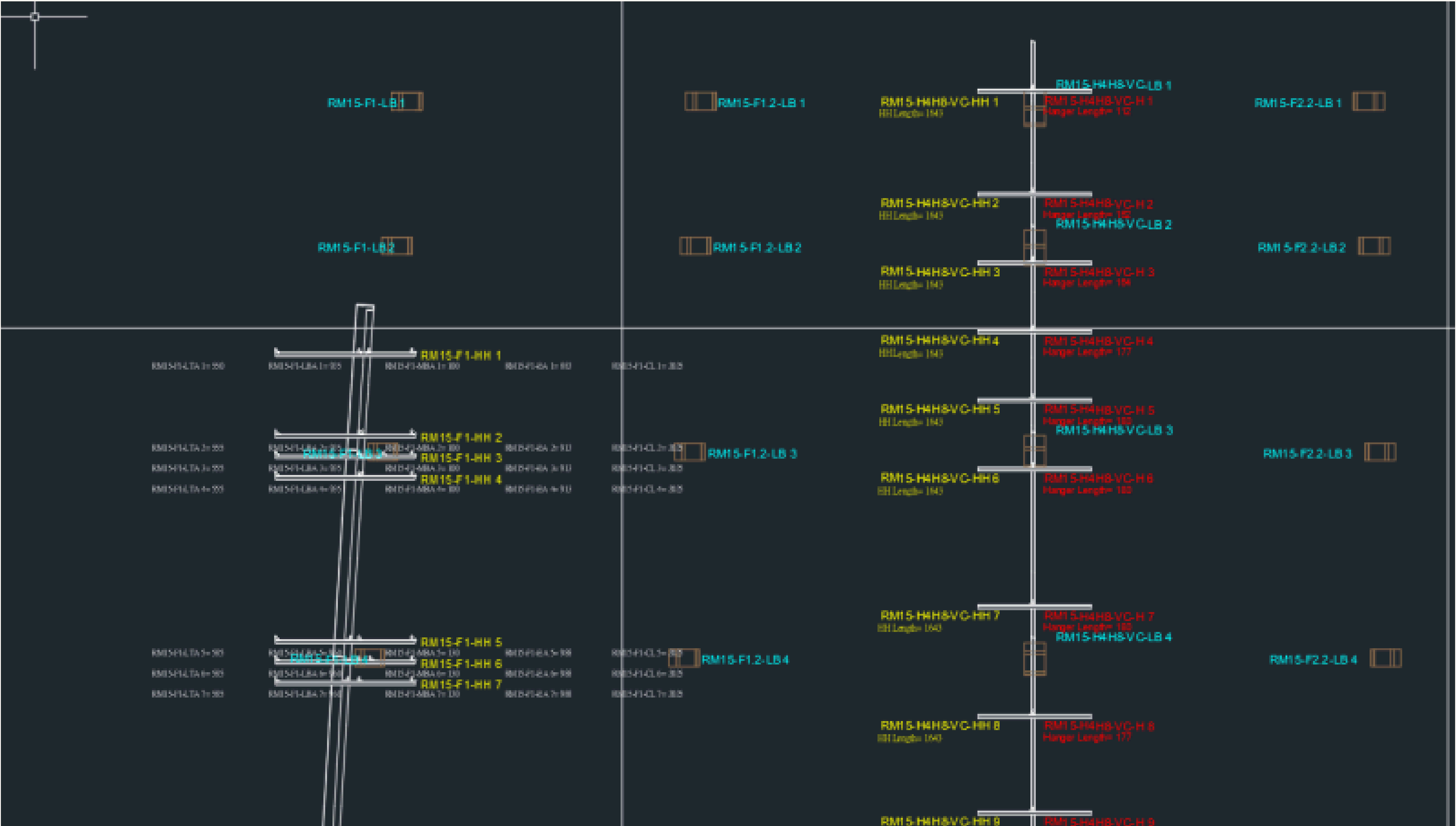
Family Modeling



Generating and mark the install marking plan



Naming for fabrication



Generating Material Take Off Table

029

2.g.170°/50°/6mm GMS L-Bracket (L=50)(M5-50)												
Family	Type	Type Mark	Module Number	Count	CAT Code	Type Comments	RVT Link File Name					
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM01	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM01	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM01: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM02	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM02	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM02: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM03	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM03	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM03: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM04	2738	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM04	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM04: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM05	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM05	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM05: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM06	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM06	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM06: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM07	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM07	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM07: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM08	2880	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM08	480	AB/W	170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM08: 3360				3360								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM09	2880	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM09	480	AB/W	170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM09: 3360				3360								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM10	2880	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM10	480	AB/W	170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM10: 3360				3360								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM11	2880	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM11	480	AB/W	170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM11: 3360				3360								

2.g.170°/50°/6mm GMS L-Bracket (L=50)(M5-50)												
Family	Type	Type Mark	Module Number	Count	CAT Code	Type Comments	RVT Link File Name					
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM01	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM01	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM01: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM02	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM02	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM02: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM03	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM03	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM03: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM04	2738	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM04	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM04: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM05	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM05	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM05: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM06	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM06	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM06: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM07	2740	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM07	592		170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM07: 3332				3332								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM08	2880	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM08	480	AB/W	170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM08: 3360				3360								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM09	2880	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM09	480	AB/W	170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM09: 3360				3360								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM10	2880	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM10	480	AB/W	170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM10: 3360				3360								
AA-L-50 Bracket_170x50x6	170x50x6	M5-50	RM11	2880	AB/W	170x50x5.0mm GMS L-BRACKET(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
AA-L-50 Bracket_170x50x6_Castliner	170x50x6	M5-50	RM11	480	AB/W	170x50x5.0mm GMS L-BRACKET Castliner(L=50mm)	3508-GCL-PT3E-ST-NE-AB/W_FEA_Artched					
RM11: 3360				3360								

Fire x Fire Limited

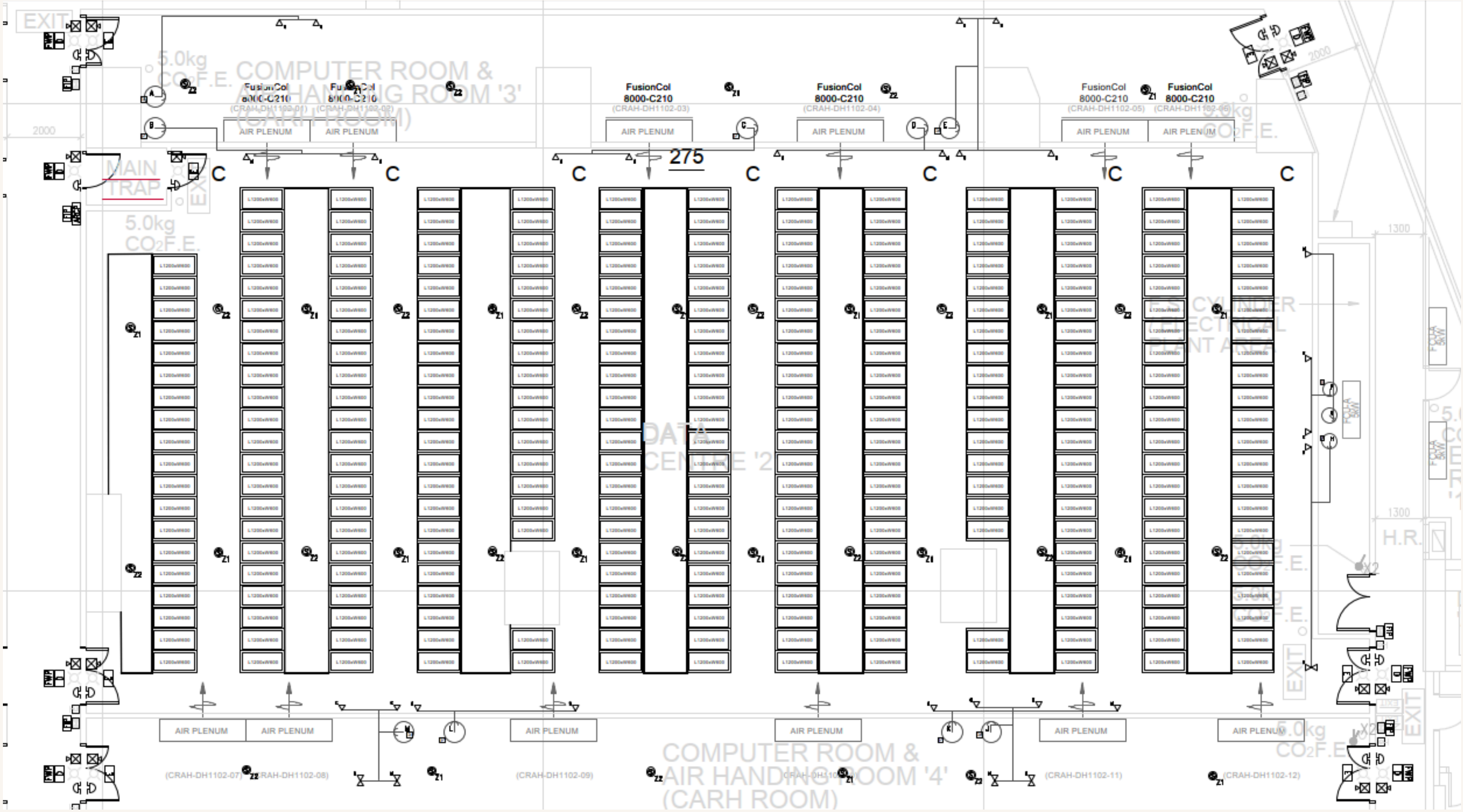
Kidde Gas Suppression System

Major Duties

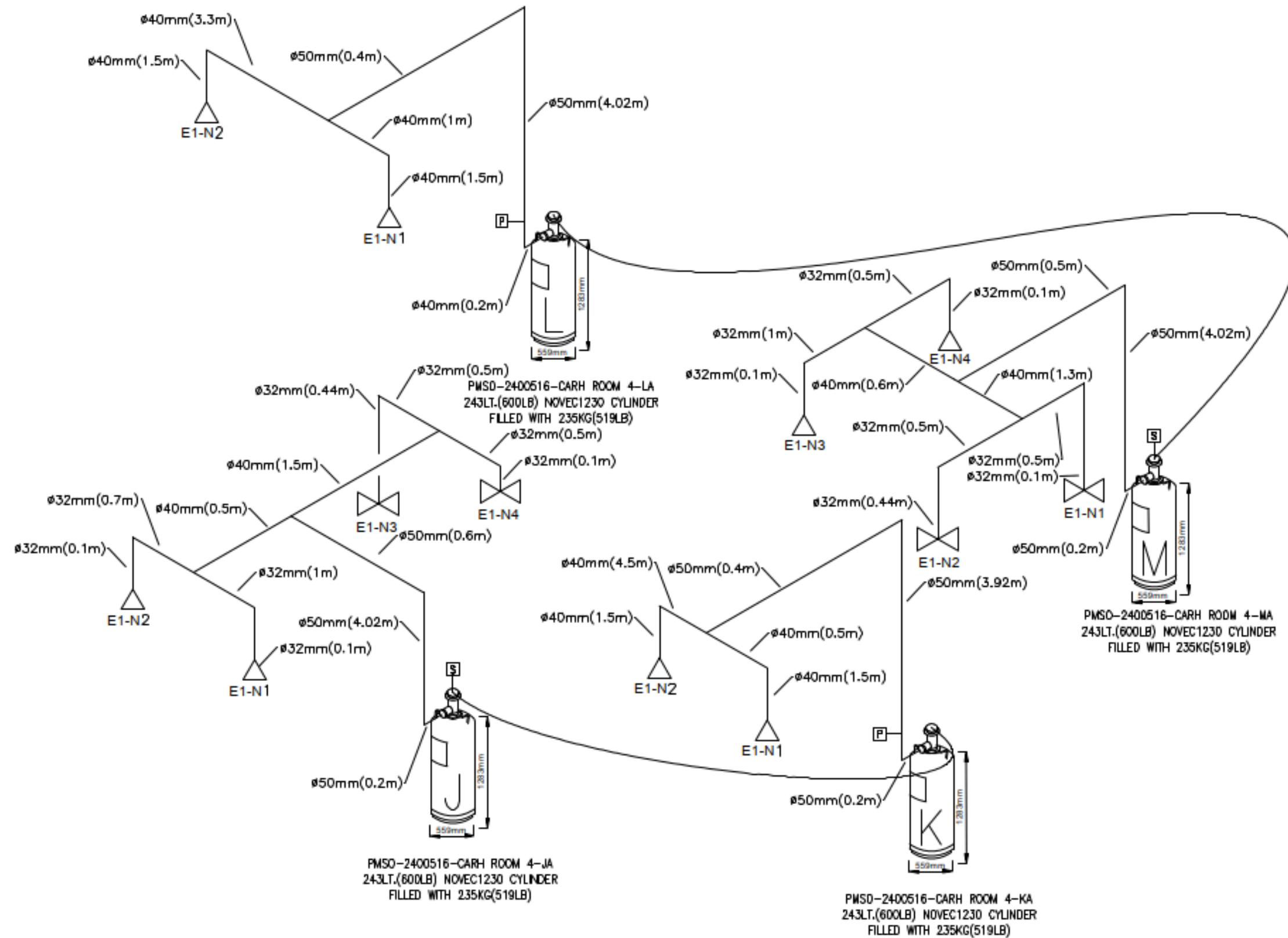
- To design and calculate the Kidde Gas Suppression System.
- Discuss and collaborate with main contractor to confirm the design.
- Generate FS Report for auditing usage by the fire department.
- Create shop drawing and isometric layout for factory references.



Layout Design



Isometric Design



Calculation Report



Consolidated Report Parts Report

Total Agent Required: 235.00 kg

Cylinder Name: 243 L Cylinder, 80 mm Valve, w/LLI (Part: 45-550601-001)

Number of Cylinders: 1

Nozzle	Type	Nozzle Diameter	Nozzle Area	Part Number
E1-N1	180-BR	40 mm	775.93 mm ²	45-194717-202
E1-N2	180-BR	40 mm	775.93 mm ²	45-194717-202

Pipe & Fittings	Type	Diameter	Length	Elbows (90)	Elbows (45)	Tees	Unions
	40T	40 mm	1.20 m	2	0	0	0
	40T	50 mm	10.22 m	4	0	1	0

Other Objects	Name	Quantity	Part Number
	80 mm Valve Outlet Adapter	1	70400133

System Acceptance Report

System Discharge Time: 9.4 seconds
Percent Agent In Pipe: 20.7%
Percent Agent Before First Tee: 19.6%
Dead Volume: 0.0% (0.00 kg)

Enclosure Number: 1
Enclosure Name: MAIN ROOM
Minimum Design Concentration: 4.50%
Adjusted Design Concentration: 4.51%
Predicted Concentration: 4.51%

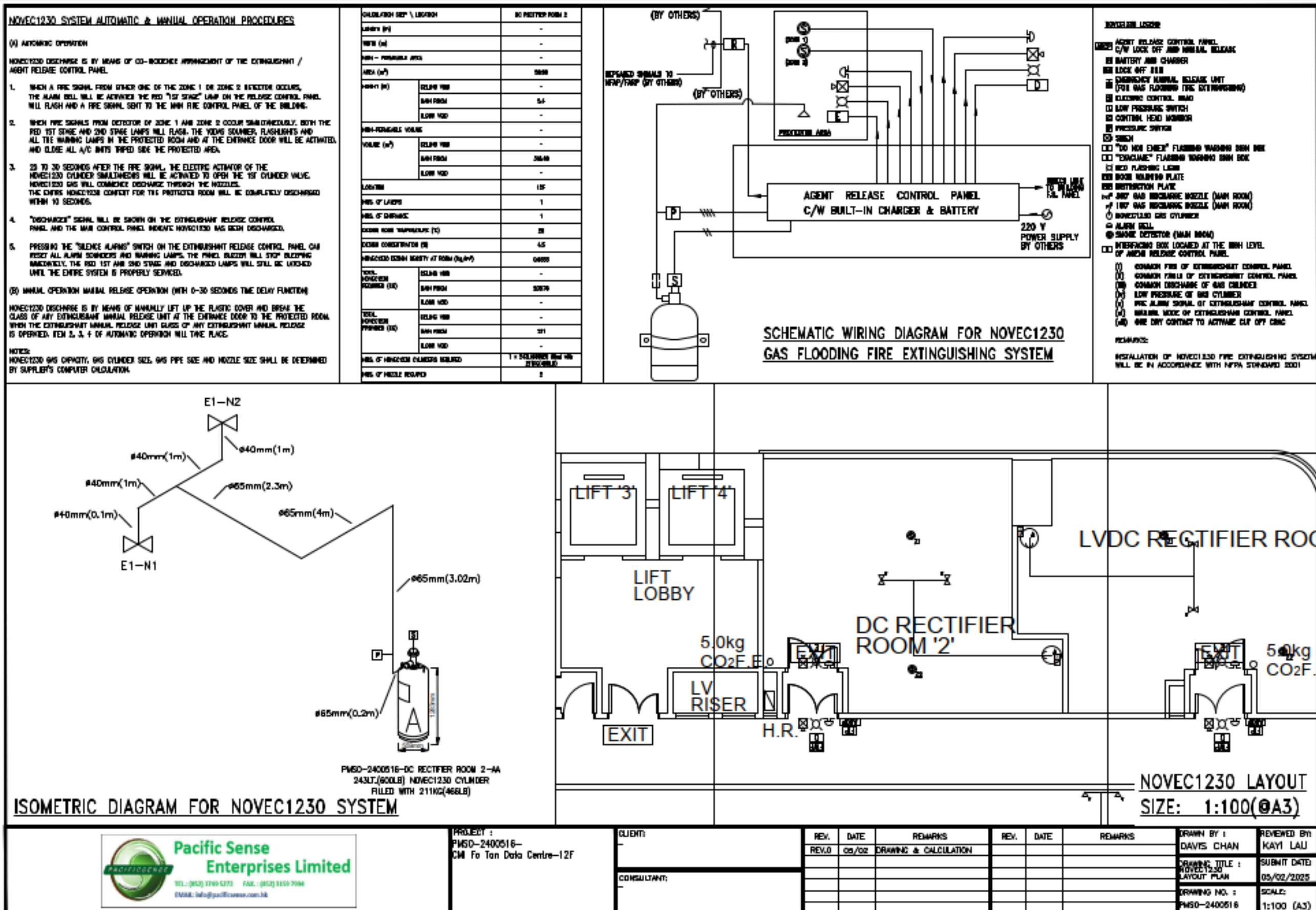
Calculation Date/Time: Tuesday, December 24, 2024, 9:39:50 AM
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Key ID: 466172620



Consolidated Report Pipe Network Report

Description	Pipe Section	Start Node	End Node	Pipe Type	Pipe Diameter	Pipe Length	Union	Total Elevation Change	Total Equivalent Length	Nozzle Name	Nozzle Size	Nozzle Type	Nozzle Area
Cylinder - On	Man./End	0	2		80 mm	1.28 m	0	1.28 m	15.24 m				
Adapter	System	2	3		80 mm	0.10 m	0	-----	0.15 m				
Pipe	System	3	4	40T	50 mm	0.20 m	0	-----	0.20 m				
Elbow (90)	System	4	5	40T	50 mm	-----	0	-----	1.68 m				
Pipe	System	5	6	40T	50 mm	4.02 m	0	4.02 m	4.02 m				
Elbow (90)	System	6	7	40T	50 mm	-----	0	-----	1.68 m				
Pipe	System	7	8	40T	50 mm	2.20 m	0	-----	2.20 m				
Elbow (90)	System	8	9	40T	50 mm	-----	0	-----	1.68 m				
Pipe	System	9	10	40T	50 mm	3.70 m	0	-----	3.70 m				
Elbow (90)	System	10	11	40T	50 mm	-----	0	-----	1.68 m				
Pipe	System	11	12	40T	50 mm	0.10 m	0	-----	0.10 m				
Tee	System	12	13	40T	40 mm	-----	0	-----	2.65 m				
Pipe	System	13	14	40T	40 mm	0.50 m	0	-----	0.50 m				
Elbow (90)	System	14	15	40T	40 mm	-----	0	-----	1.31 m				
Pipe&Nozzle	System	15	16	40T	40 mm	0.10 m	0	-0.10 m	0.10 m	E1-N1	40 mm	180-BR	775.93 mm ²
Tee	System	12	17	40T	40 mm	-----	0	-----	2.65 m				
Pipe	System	17	18	40T	40 mm	0.50 m	0	-----	0.50 m				
Elbow (90)	System	18	19	40T	40 mm	-----	0	-----	1.31 m				
Pipe&Nozzle	System	19	20	40T	40 mm	0.10 m	0	-0.10 m	0.10 m	E1-N2	40 mm	180-BR	775.93 mm ²

Final Drawing



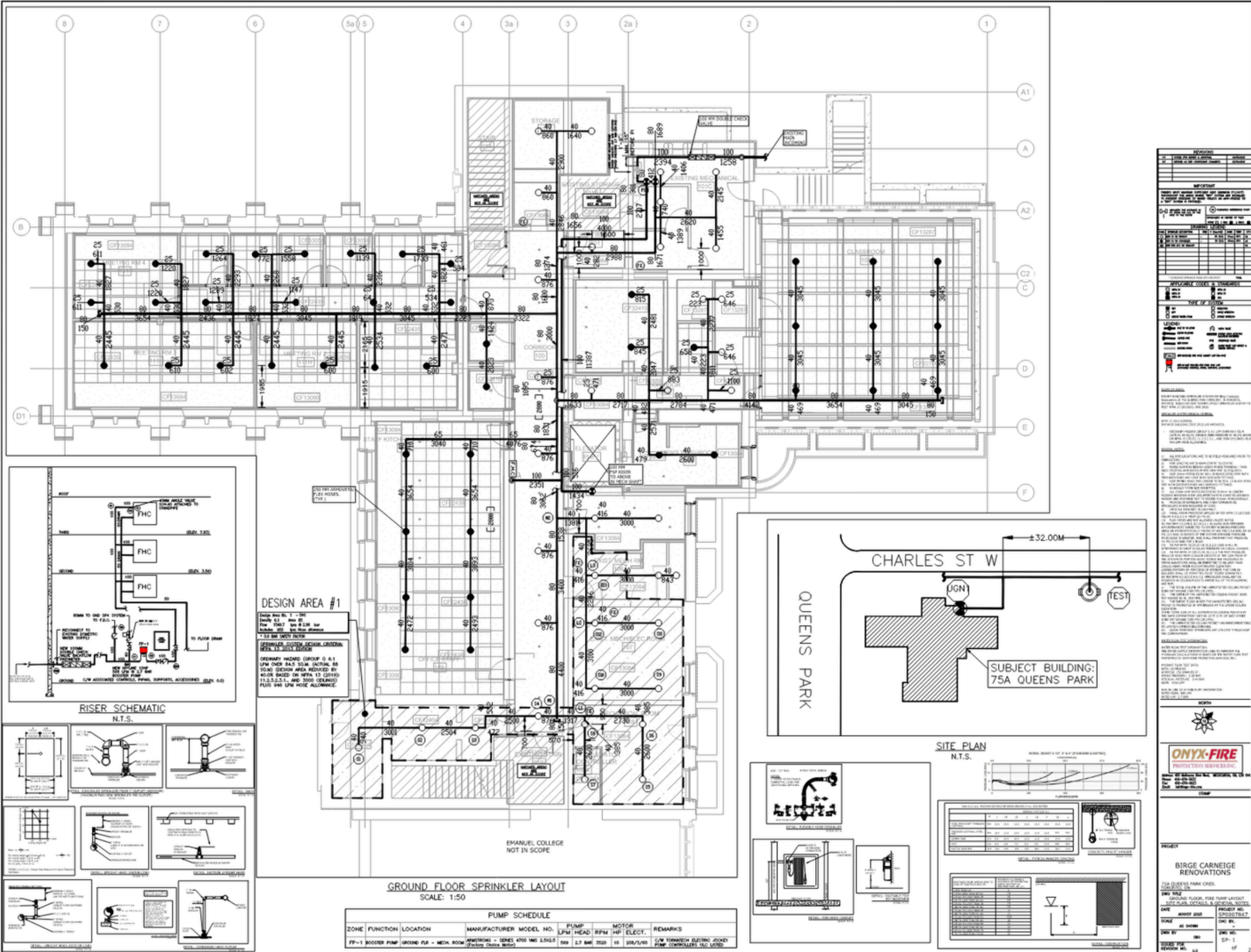
Onyx–Fire Protection Services Inc.

Fire Protection Projects Designer

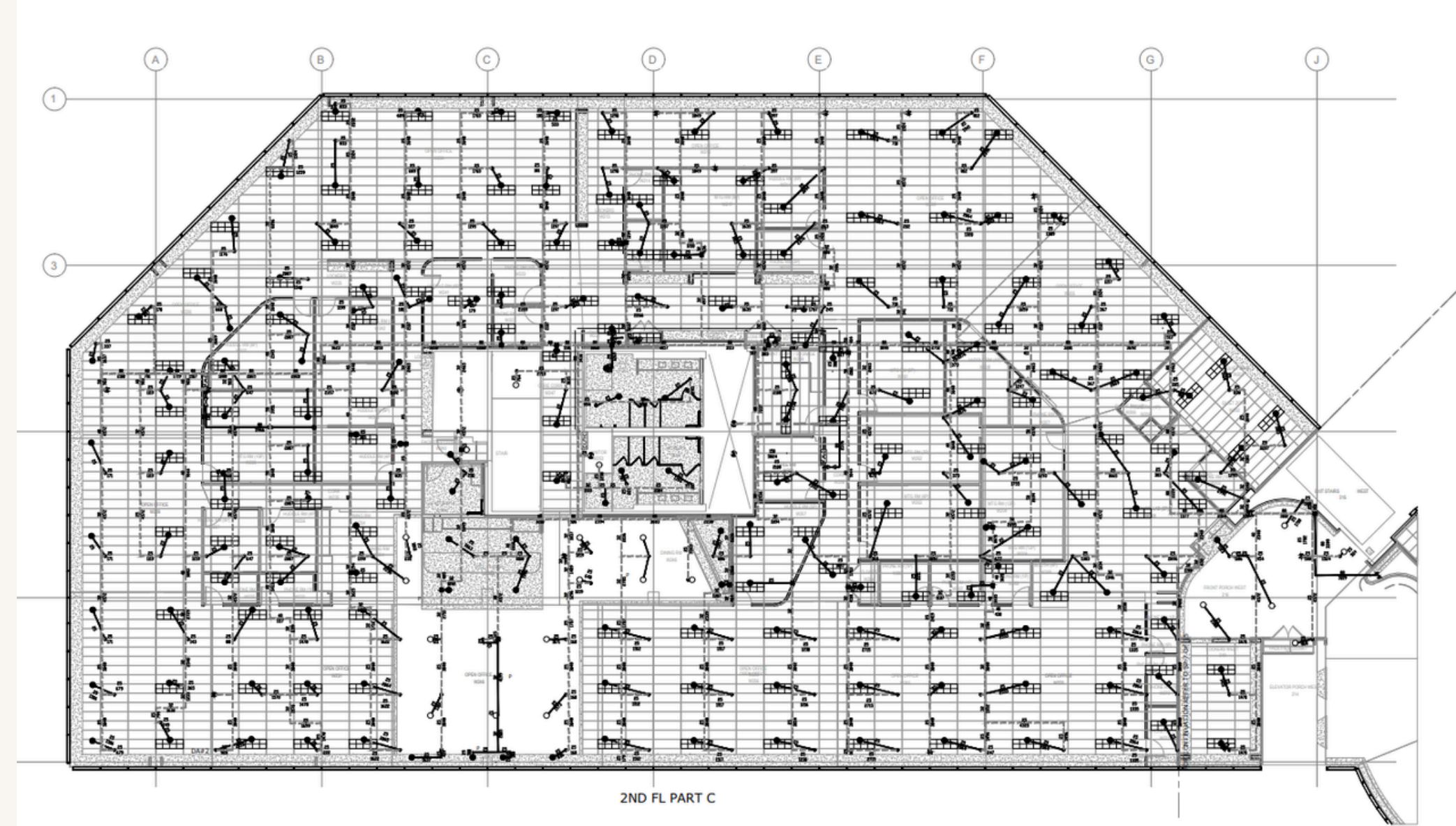
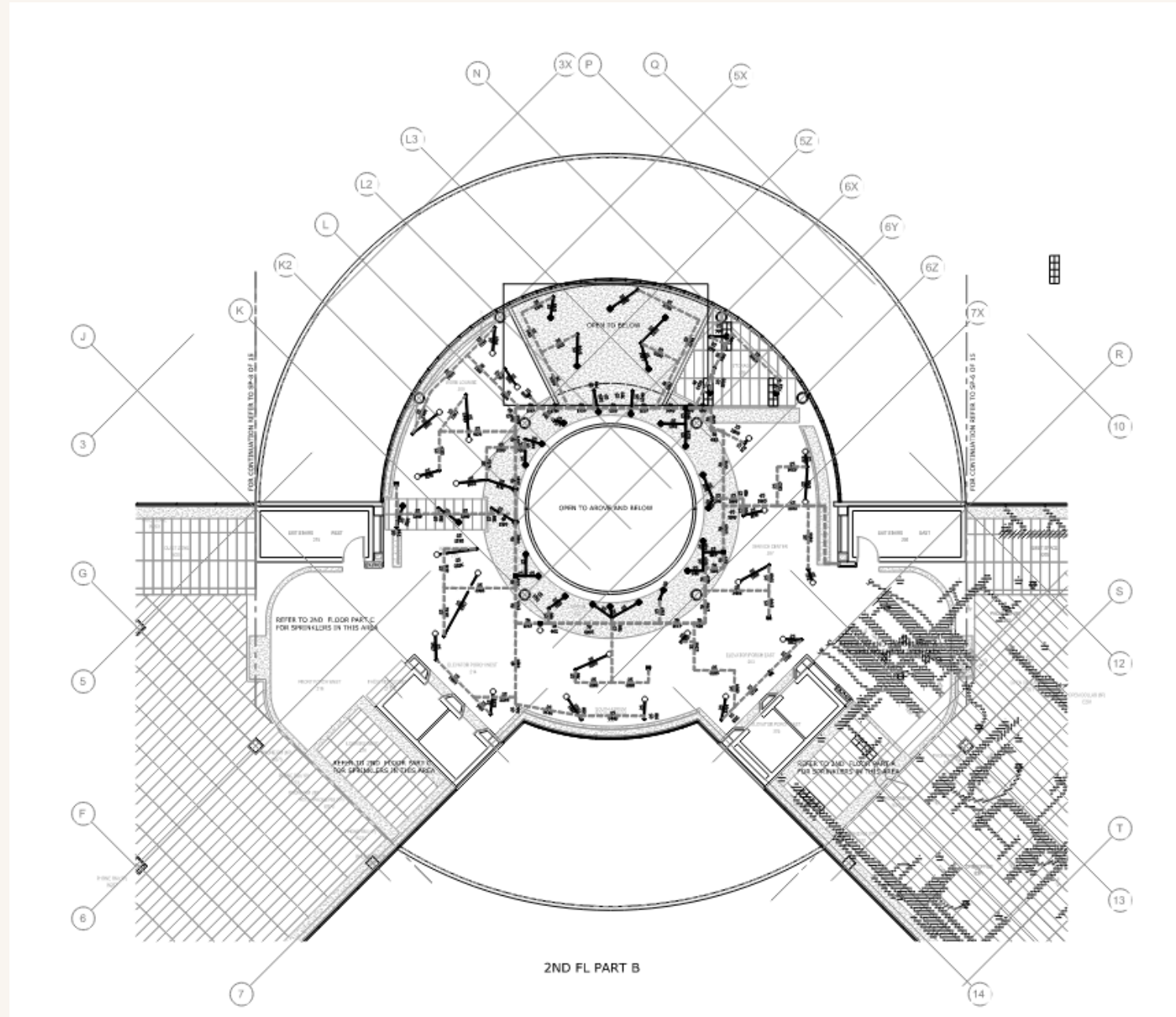
Major Duties

- Lead Revit modeling for sprinkler systems in large-scale contracts, managing BIM coordination and clash detection.
- Perform Fire Flow Tests and hydraulic calculations to design sprinkler and Kidde Gas Suppression Systems per NFPA standards.
- Develop As-Built drawings and FS Reports for Fire Department audits and project finalization.
- Coordinate with general contractors to resolve design conflicts and ensure regulatory compliance.

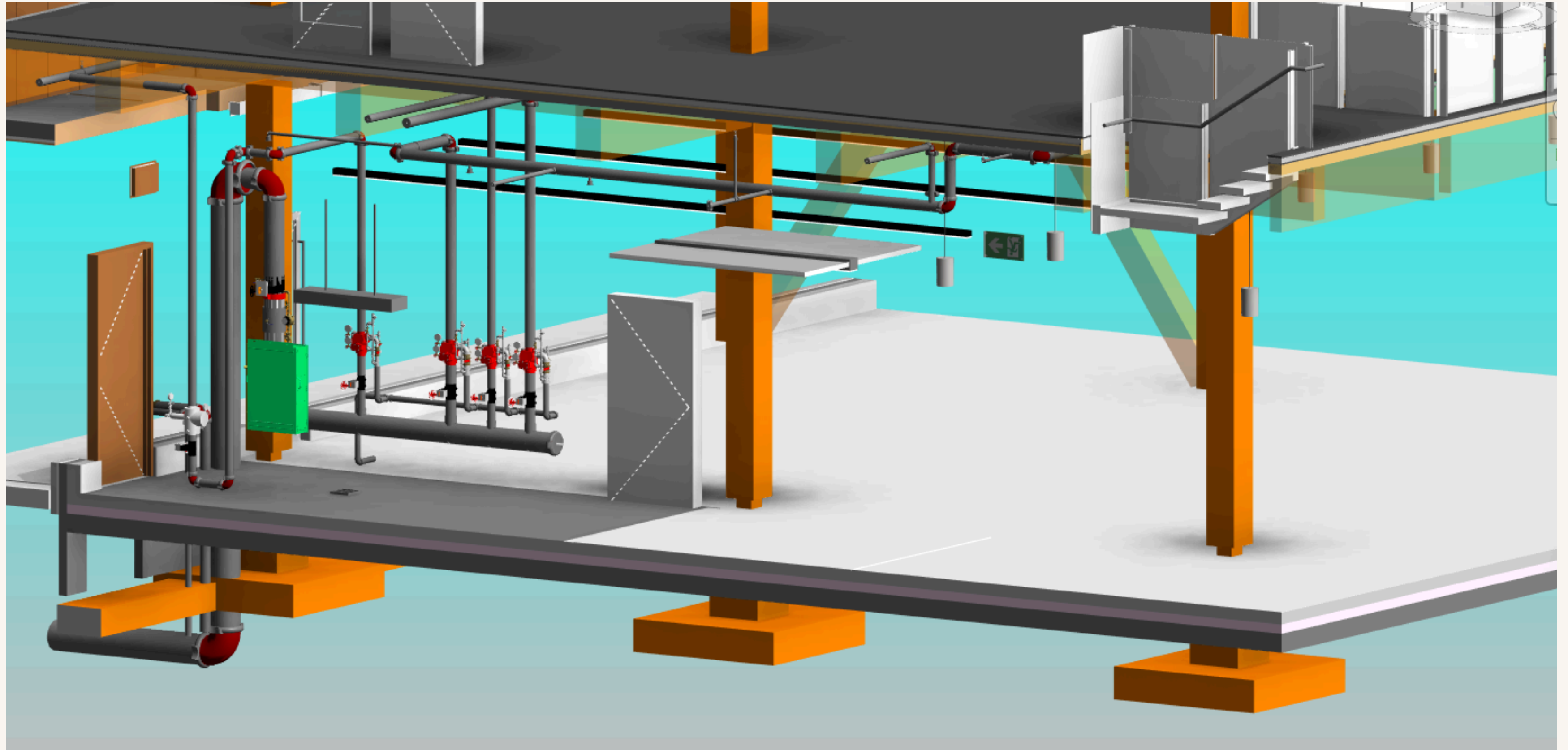
Design Drawing



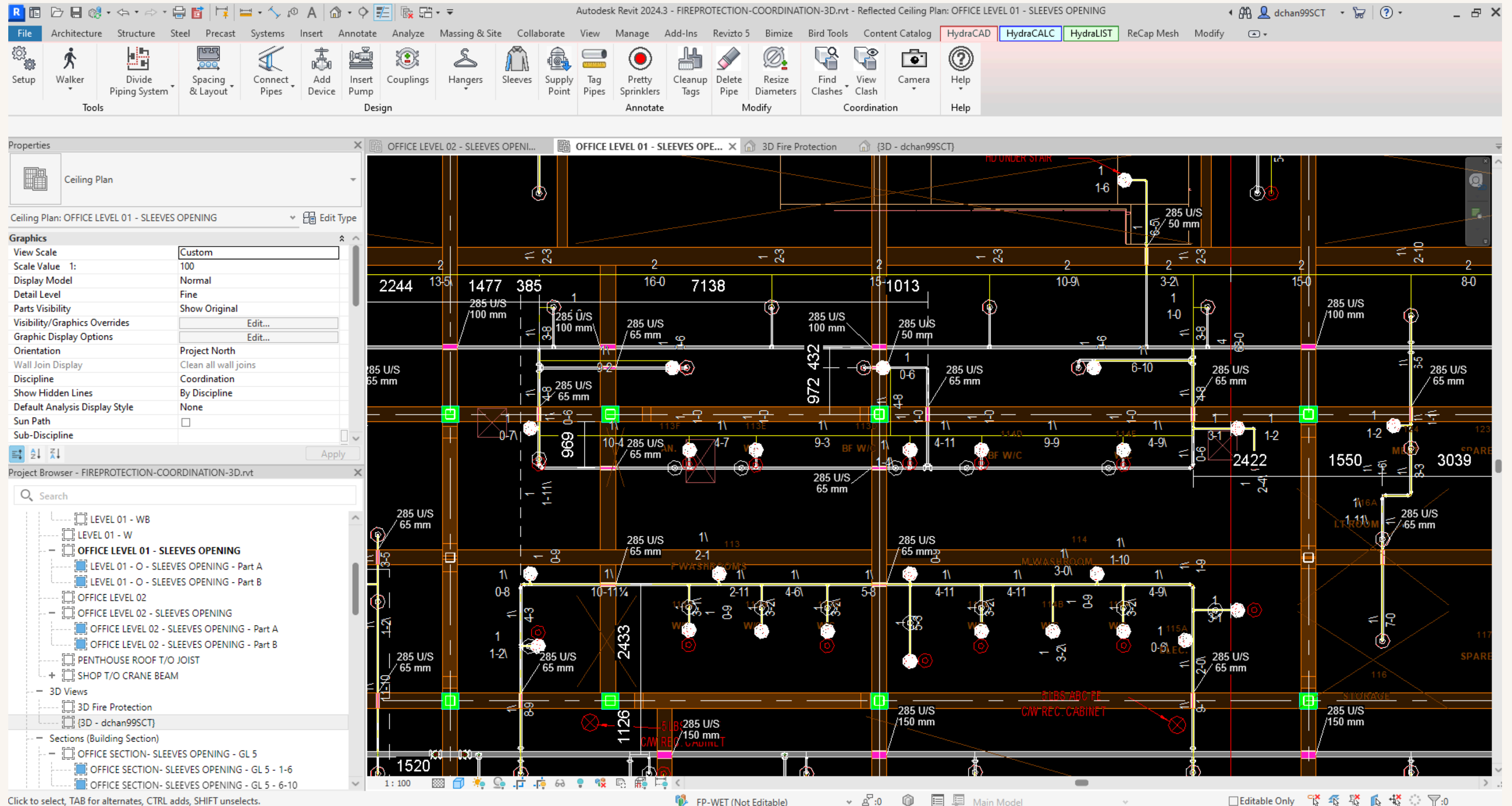
AS-BUILT Drawing



FIRE PROTECTION DRAWING



FIRE PROTECTION DRAWING



HYDRA CALC

HydraCALC - C:\Users\dchan\Desktop\Res\SP-0008427-Knix-Nso.WXF

File Options Edit View Utilities Help



☒ English ☐ Metric - Bar ☐ Metric - kPa	Job Name Knix Nso	Project Date 4/1/25	Company # 1	Onyx-Fire Protection Services	Comm Elev Auto Incr Value
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System Piping							Equivalent K Piping					Check Line Piping									
	Node 1	Node 2	Dia	Pipe	Type	Len	Ftgs	C	Fac	Input	Type	Num	Hds	K / Flow	Den	Area	Press	Elev	Flow	Pf/ft	Vel
1	*HEADS																				
2	H1	1	1	SCHED-40		3	2E1T		120					5.6	2	120	7	10.500	24	0.1823	8.909
3	H2	2	1	SCHED-40		1.500	2E1T		120					5.6	2	120	7	10.500	24.256	0.1859	9.004
4	H3	3	1	SCHED-40		.500	2E1T		120					5.6	2	120	7	10.500	25.084	0.1979	9.312
5	H4	4	1	SCHED-40		.500	2E1T		120					5.6	2	120	7	10.500	24.04	0.1829	8.924
6	H5	5	1	SCHED-40		.850	2E1T		120					5.6	2	120	7	10.500	24.097	0.1837	8.945
7	H6	6	1	SCHED-40		.850	2E1T		120					5.6	2	120	7	10.500	24.51	0.1895	9.099
8	H7	7	1	SCHED-40		.500	2E1T		120					5.6	2	120	7	10.500	26.742	0.2227	9.927
9	H8	8	1	SCHED-40		.500	2E1T		120					5.6	2	120	7	10.500	27.009	0.2268	10.026
10	H9	9	1	SCHED-40		.500	2E1T		120					5.6	2	120	7	10.500	27.961	0.2419	10.38
11	H10	10	1	SCHED-40		.500	2E1T		120					5.6	2	120	7	10.500	26.711	0.2222	9.916
12	H11	11	1	SCHED-40		.500	2E1T		120					5.6	2	120	7	10.500	26.978	0.2264	10.015
13	H12	12	1	SCHED-40		.500	2E1T		120					5.6	2	120	7	10.500	27.929	0.2414	10.368
14	*L1																				
15	1	2	1.5	SCHED-40		7			120									10.500	24	0.0226	3.782
16	2	2A	1.5	SCHED-40		9	1E		120									10.500	48.256	0.0824	7.605
17	*L2																				
18	4	5	1.5	SCHED-40		7			120									10.500	24.04	0.0227	3.789
19	5	6	1.5	SCHED-40		8.500			120									10.500	48.137	0.082	7.586
20	6	6A	1.5	SCHED-40		.500	1E		120									10.500	72.647	0.1756	11.449
21	*L3																				
22	7	8	1.25	SCHED-40		8.500			120									10.500	26.742	0.0586	5.736
23	8	9	1.25	SCHED-40		8.500			120									10.500	53.751	0.2132	11.53
24	9	9A	1.5	SCHED-40		27.300			120									10.500	81.712	0.2184	12.877
25	9A	9B	2	SCHED-40		3.750	1T		120									10.500	81.712	0.0647	7.813
26	*L4																				
27	10	11	1.25	SCHED-40		8.500			120									10.500	26.711	0.0585	5.73
28	11	12	1.25	SCHED-40		8.500			120									10.500	53.689	0.2127	11.516
29	12	12A	1.5	SCHED-40		27.300			120									10.500	81.618	0.2179	12.862
30	12A	12B	2	SCHED-40		3.750	1T		120									10.500	81.618	0.0645	7.804
31	*L																				
32	2A	3	2	SCHED-40		1.500	1E		120									10.500	48.256	0.0245	4.614
33	3	3A	2	SCHED-40		3.750	1T		120									10.500	73.34	0.0529	7.012
34	6A	3A	2	SCHED-40		6.500	1T		120									10.500	72.647	0.052	6.946
35	3A	M	2	SCHED-40		42.700	2T		120									10.500	145.987	0.1892	13.958
36	9B	M	2.5	SCHED-40		4.750	1T		120									10.500	81.712	0.0272	5.476
37	12B	M	2.5	SCHED-40		7.600	1T		120									10.500	81.618	0.0271	5.469
38	M	M2	3	SCHED-40		25	1T		120									10.500	309.318	0.1109	13.424
39	M2	M3	4	SCHED-40		40	3E1T		120									-4	309.318	0.0295	7.796
40	M3	BOR	4	SCHED-40		50	2T		120									-4	309.318	0.0295	7.796
41	BOR	FPD	4	SCHED-40		21	2E2T1B1S		120									-4	309.318	0.0295	7.796
42	FPD	PUMP	8	SCHED-40		40	2E2T1B1S		120									-4	309.318	0.0011	1.984
43	PUMP																	-4			

FLOW TEST

FIRE HYDRANT FLOW TEST REPORT

ONYX-FIRE
PROTECTION SERVICES INC.
400 MATHESON BLVD W,
MISSISSAUGA, ON
L5R 1B8
TEL. 416-674-5633
FAX. 416-674-9623

LOCATION: 2210 Lakeshore Rd., Burlington, ON L7R 4J9
TEST DATE: 2025/10/29
TIME: 9:00 AM
CONDUCTED BY: ONYX FIRE PROTECTION SERVICES INC.
WITNESSED BY: Burlington Water Technicians
W/O NO.: 20250910-00782
SPF NO.: SP0008226



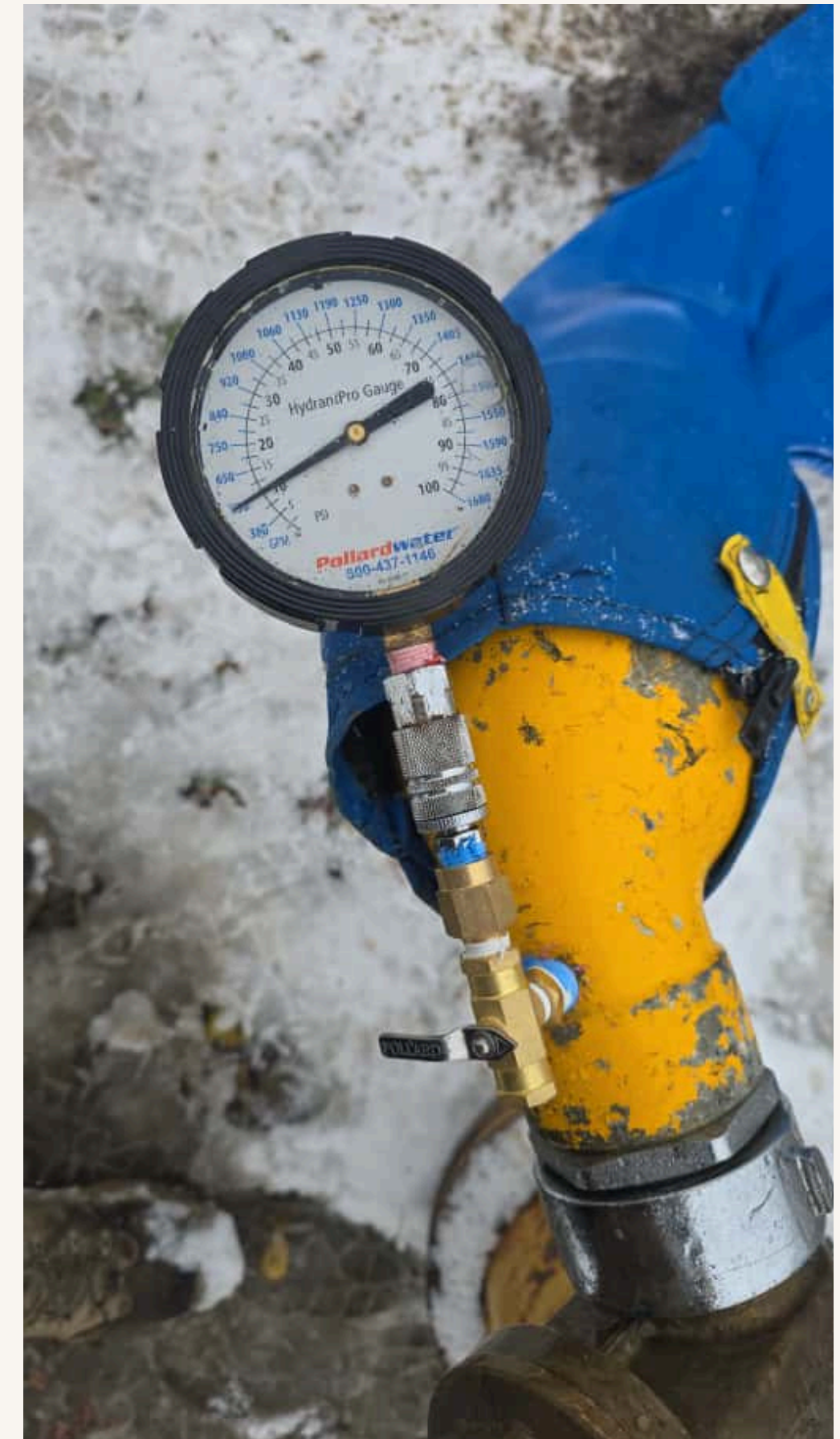
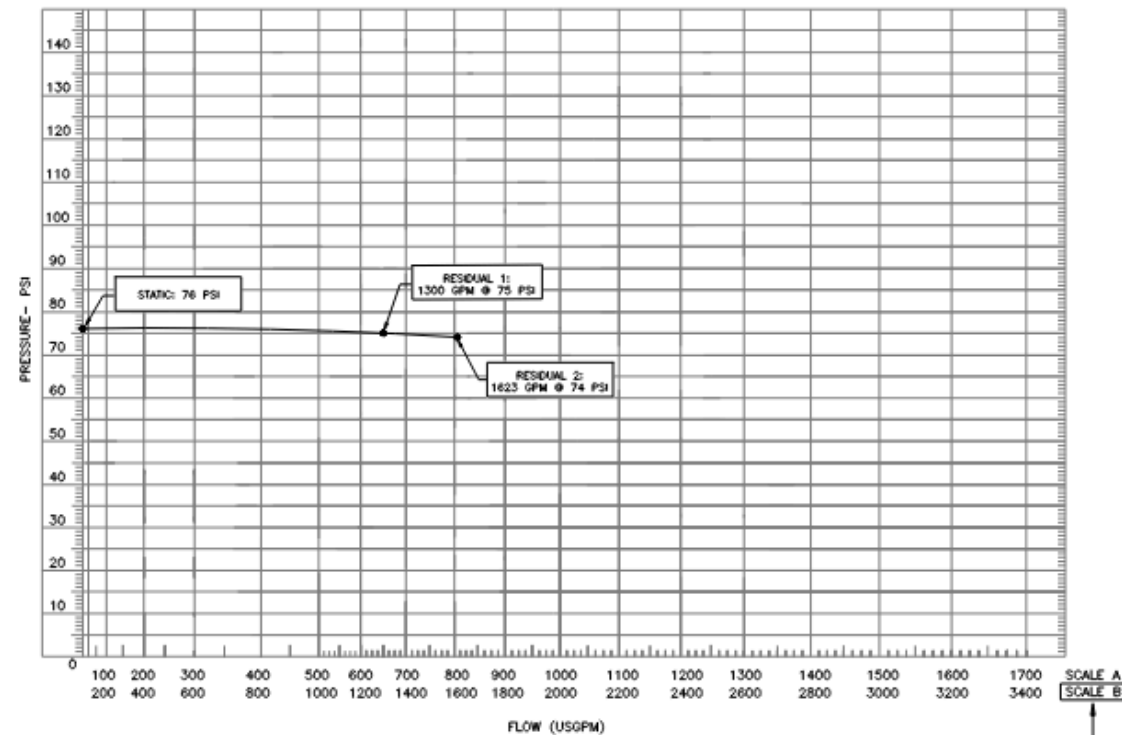
STATIC
HYDRANT

LOCATION MAP

FLOW TEST RESULT DATA

TEST NO.	PRESSURE (PSI)	FLOW (USGPM)	# OF PORTS	PRESSURE (BAR)	FLOW (L/MIN)
1	76	0	0	5.24	0.0
2	75	1300	1	5.17	4921.0
3	74	1623	2	5.10	6143.7

WATER SUPPLY FLOW TEST GRAPH



BIM

A Passport to Global
Opportunities and
Transformative
Collaboration

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