

Australia-New Zealand CORPORATE PROFILE

EXPERIENCE WITH EXCELLENCE



AUSTRALIA



NEW ZEALAND

BENEFITS TO YOU



MAJOR INDUSTRIES SERVED



SOFTWARE EXPERTISE



TEKLA



**AUTODESK®
NAVISWORKS®**



**AUTODESK®
INFRAWORKS™ 360**



**AUTODESK®
INVENTOR®**



**AUTODESK®
RECAP**



STAAD.Pro



SOLIDWORKS

OUR CLIENTELE

Downer

**Fletcher
Reinforcing**

**Fulton
Hogan**

HAWKINS

IPG
PROPERTY | INVESTMENT

HEB
construction

N' Nauhria

WILSON

Fletcher

st
steel&tube

STEEL MASTER
MASTER FOR THE BEST

FOCUS
CONSTRUCTION GROUP

Ghella
5 Generations of Tunnelers

ABERGELDIE
COMPLEX INFRASTRUCTURE

SAINT
ELECTRICAL

ACSL
GROUP LTD
REFRIGERATION | HVAC | ELECTRICAL

**AIR
apex**
Building Great Partnerships

COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : 211 RICHARDSON ROAD

Client : IPG CORPORATION LTD

Project Location : NewZealand

Project Year : 2018

Project Description : Commercial Project

Silicon Scope : Architectural & Structural Services



COMMERCIAL PROJECT



BIM PROJECTS

PROJECT DETAILS

Project Name : SOHO Hotel – 180 Stoddard Road

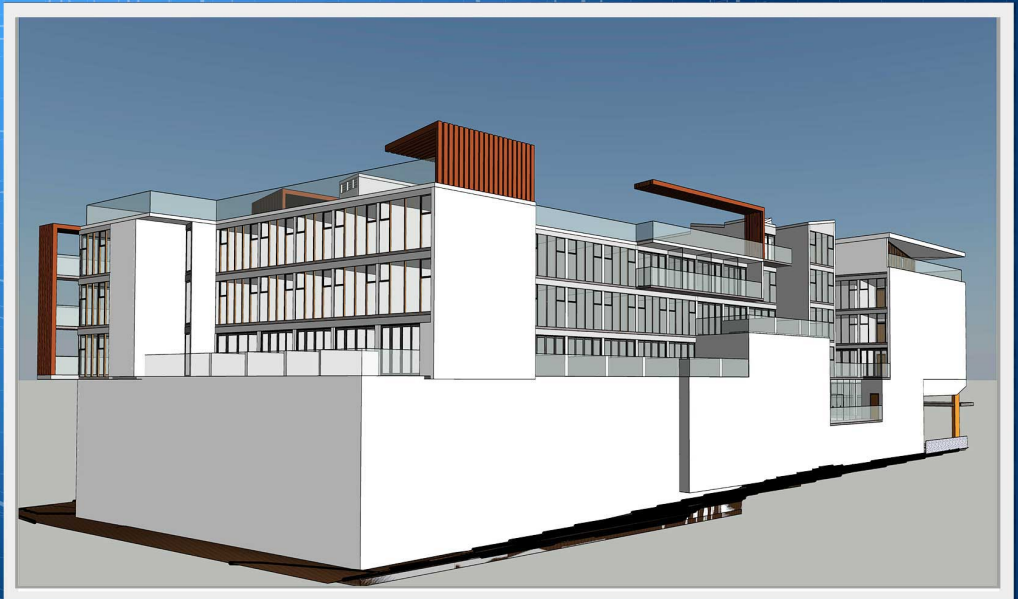
Client : IPG Corporation

Project Location : New Zealand

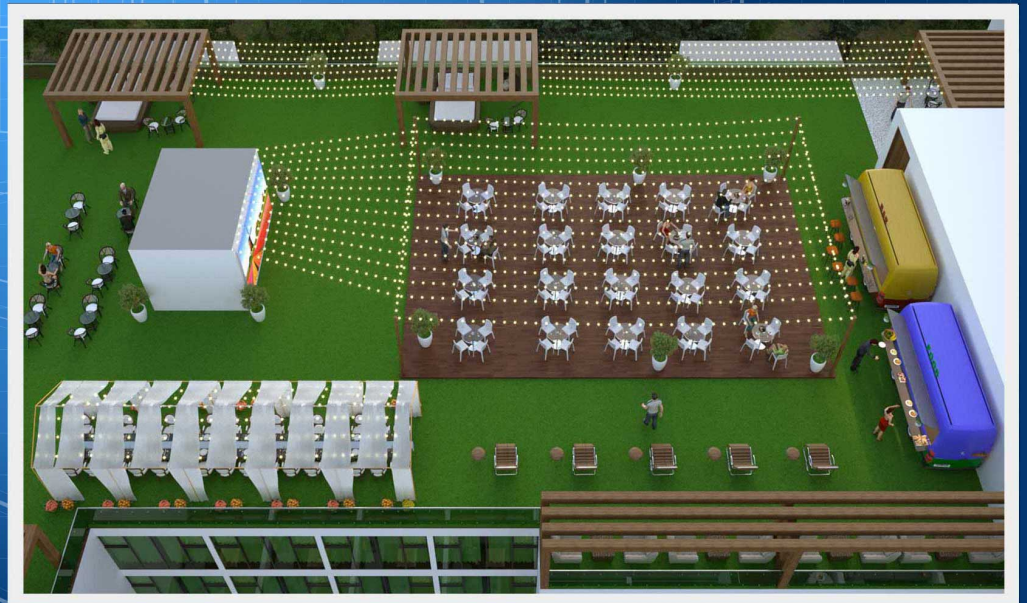
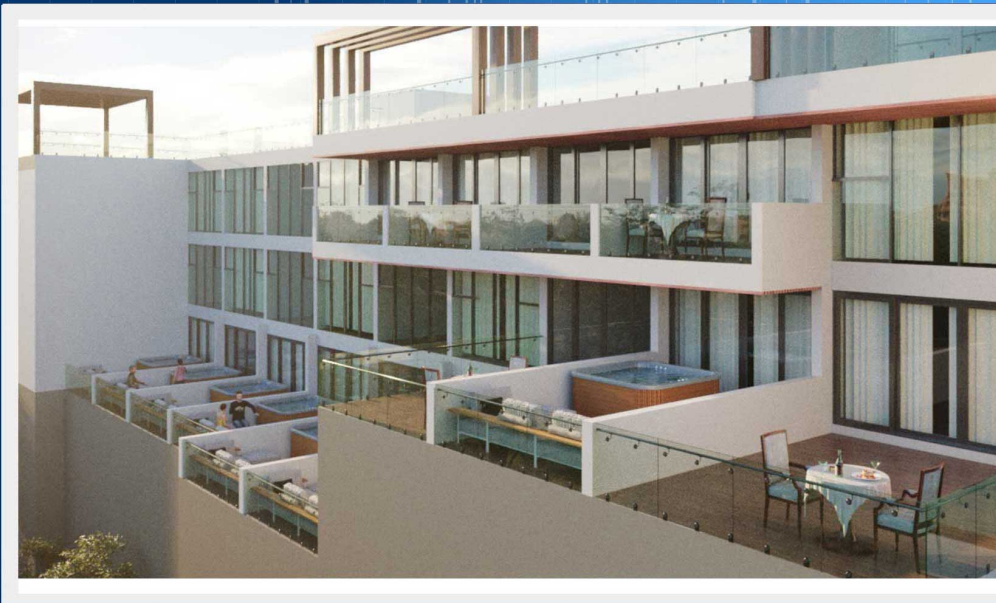
Project Year : 2018

Discipline : Building Information Modelling

Project Description : Soho hotel with Ground plus four levels, roof top swimming pool constructed at 180 Stoddard Road by IPG Hotels. Silicon had done the MEP, BIM 360, Coordination and Clash detection.



BIM PROJECTS



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : THE CROSSING BUILDING EXT., HIGHBROOK (QUEST HOTEL)

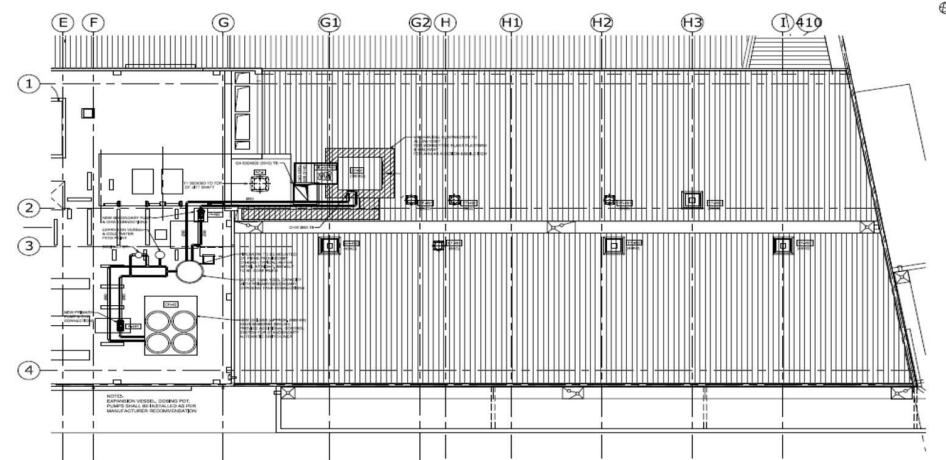
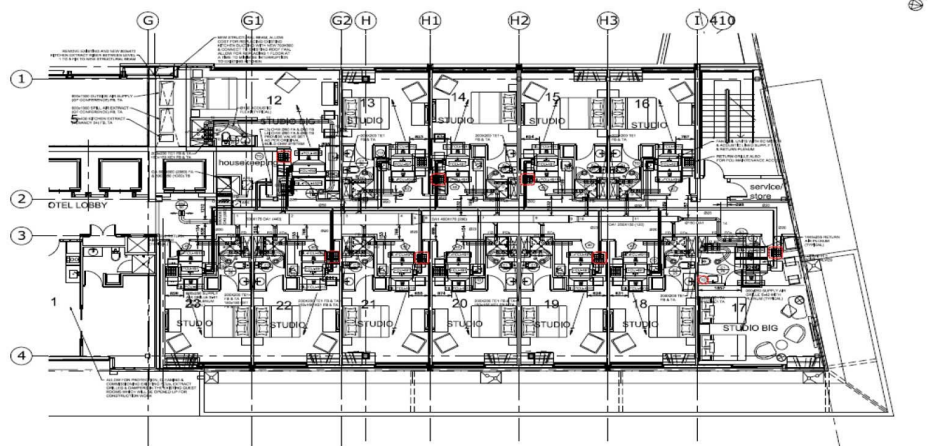
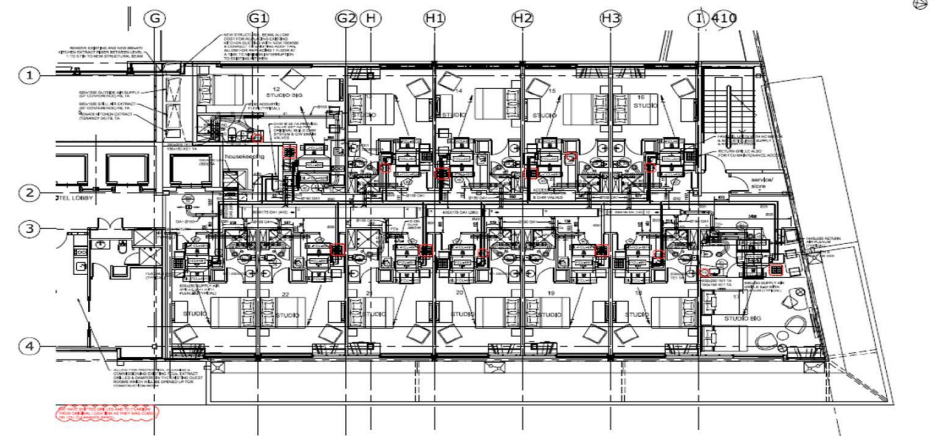
Client : APL AMBIENT PROJECTS LTD

Project Location : New Zealand – Auckland

Project Year : 2018

Project Description : Commercial Project

Silicon Scope : ARCHITECTURAL DRAFTING



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : HOLIDAY INN HOTEL

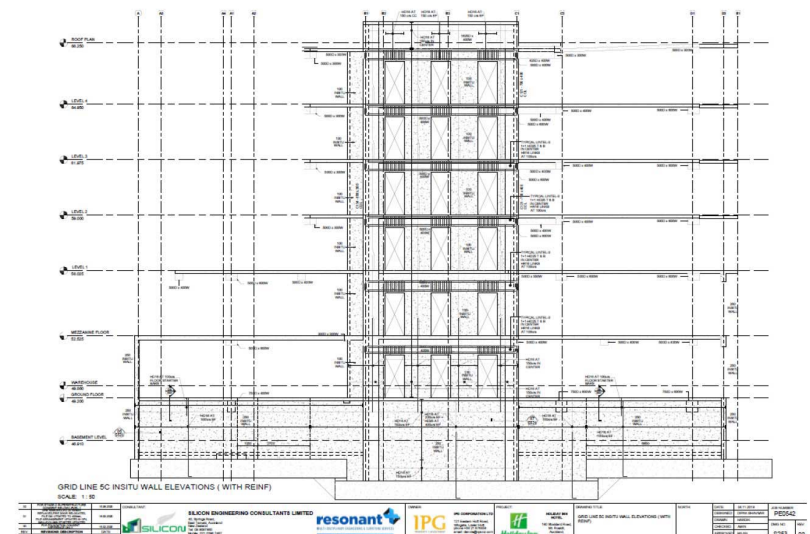
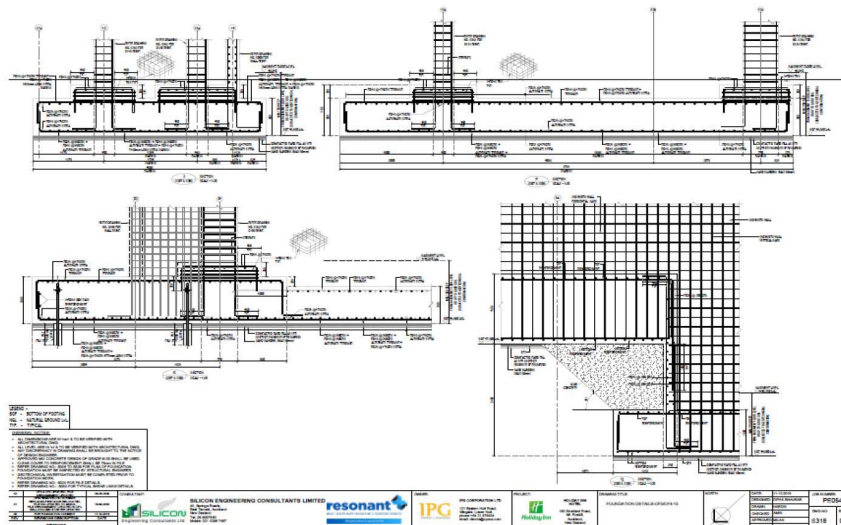
Client : IPG GROUP LTD.

Project Location : New Zealand – Auckland

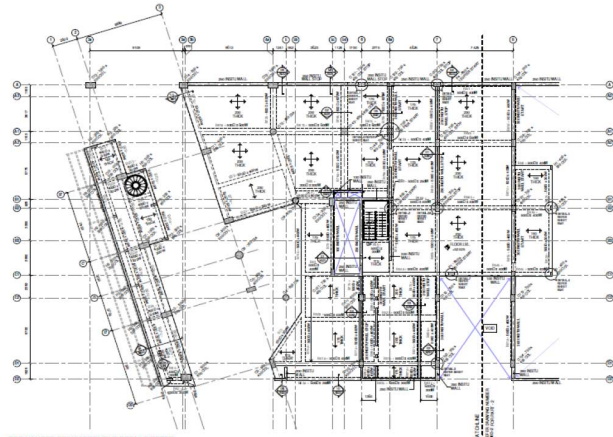
Project Year : 2019

Project Description : Commercial Project

Silicon Scope : STRUCTURE ENGINEERING

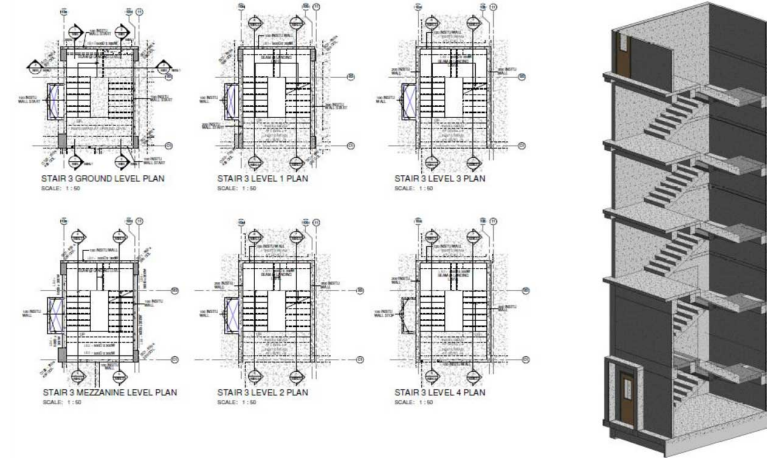


COMMERCIAL PROJECT



REVISIONS	
NO.	DESCRIPTION
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2	ISSUED FOR CONSTRUCTION
3	ISSUED FOR AS-BUILT
4	ISSUED FOR FINAL REVIEW
5	ISSUED FOR FINAL REVIEW
6	ISSUED FOR FINAL REVIEW
7	ISSUED FOR FINAL REVIEW
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9	ISSUED FOR FINAL REVIEW
10	ISSUED FOR FINAL REVIEW

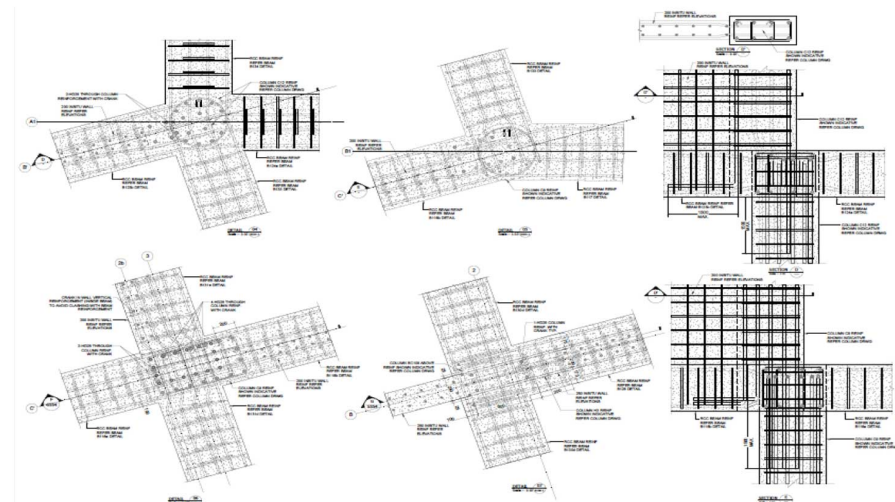
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PROJECT NAME	MEZZANINE FLOOR	CLIENT NAME	SILICON ENGINEERING CONSULTANTS LIMITED	DESIGNER NAME	resonant	CONSULTANT NAME	IPG	REVIEWER NAME	IPG	APPROVER NAME	IPG
PROJECT NO.	MEZ-01	CLIENT NO.	SECL-01	DESIGNER NO.	RESON-01	CONSULTANT NO.	IPG-01	REVIEWER NO.	IPG-01	APPROVER NO.	IPG-01
PROJECT DATE	2023-01-01	CLIENT DATE	2023-01-01	DESIGNER DATE	2023-01-01	CONSULTANT DATE	2023-01-01	REVIEWER DATE	2023-01-01	APPROVER DATE	2023-01-01



PROJECT INFORMATION		CLIENT		DESIGNER		CONSULTANT		REVIEWER		APPROVER	
PROJECT NAME	STAIR 3	CLIENT NAME	SILICON ENGINEERING CONSULTANTS LIMITED	DESIGNER NAME	resonant	CONSULTANT NAME	IPG	REVIEWER NAME	IPG	APPROVER NAME	IPG
PROJECT NO.	STAIR-01	CLIENT NO.	SECL-01	DESIGNER NO.	RESON-01	CONSULTANT NO.	IPG-01	REVIEWER NO.	IPG-01	APPROVER NO.	IPG-01
PROJECT DATE	2023-01-01	CLIENT DATE	2023-01-01	DESIGNER DATE	2023-01-01	CONSULTANT DATE	2023-01-01	REVIEWER DATE	2023-01-01	APPROVER DATE	2023-01-01

NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL PRICE
1	CEMENT	MT	1000	100	100000
2	SAND	MT	2000	50	100000
3	AGGREGATE	MT	3000	30	90000
4	WATER	LITRE	100000	0.001	1000
5	LABOUR	HR	1000	100	100000
6	CONCRETE	MT	1000	1000	1000000
7	STEEL	MT	1000	1000	1000000
8	BRICK	NO.	10000	100	1000000
9	ROOFING	MT	1000	1000	1000000
10	PAINT	MT	1000	1000	1000000
11	GLASS	MT	1000	1000	1000000
12	DOOR	NO.	1000	1000	1000000
13	WINDOW	NO.	1000	1000	1000000
14	STAIR	NO.	1000	1000	1000000
15	ELEVATOR	NO.	1000	1000	1000000
16	PLUMBING	MT	1000	1000	1000000
17	ELECTRICAL	MT	1000	1000	1000000
18	MECHANICAL	MT	1000	1000	1000000
19	HEATING	MT	1000	1000	1000000
20	Cooling	MT	1000	1000	1000000

PROJECT INFORMATION		CLIENT		DESIGNER		CONSULTANT		REVIEWER		APPROVER	
PROJECT NAME	MEZZANINE FLOOR	CLIENT NAME	SILICON ENGINEERING CONSULTANTS LIMITED	DESIGNER NAME	resonant	CONSULTANT NAME	IPG	REVIEWER NAME	IPG	APPROVER NAME	IPG
PROJECT NO.	MEZ-01	CLIENT NO.	SECL-01	DESIGNER NO.	RESON-01	CONSULTANT NO.	IPG-01	REVIEWER NO.	IPG-01	APPROVER NO.	IPG-01
PROJECT DATE	2023-01-01	CLIENT DATE	2023-01-01	DESIGNER DATE	2023-01-01	CONSULTANT DATE	2023-01-01	REVIEWER DATE	2023-01-01	APPROVER DATE	2023-01-01



PROJECT INFORMATION		CLIENT		DESIGNER		CONSULTANT		REVIEWER		APPROVER	
PROJECT NAME	LEVEL 1 SECTION FLOOR PLAN	CLIENT NAME	SILICON ENGINEERING CONSULTANTS LIMITED	DESIGNER NAME	resonant	CONSULTANT NAME	IPG	REVIEWER NAME	IPG	APPROVER NAME	IPG
PROJECT NO.	LEVEL-01	CLIENT NO.	SECL-01	DESIGNER NO.	RESON-01	CONSULTANT NO.	IPG-01	REVIEWER NO.	IPG-01	APPROVER NO.	IPG-01
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COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : MOBIL PETROL STATION

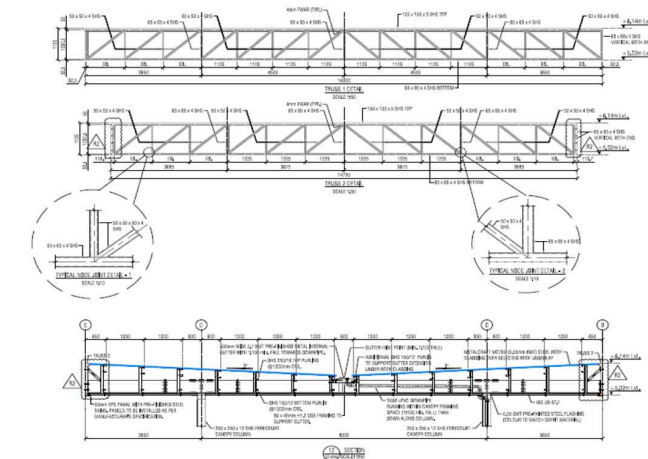
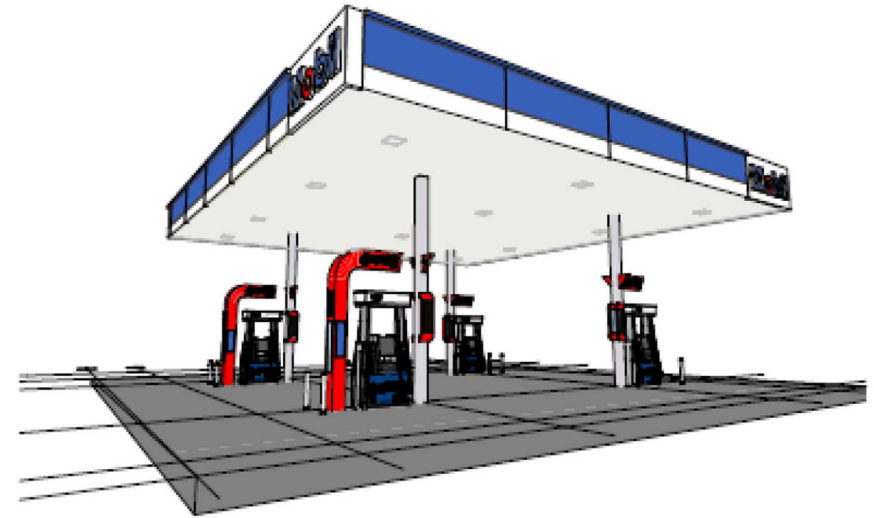
Client Name : GULATI GROUP

Project Location : New Zealand

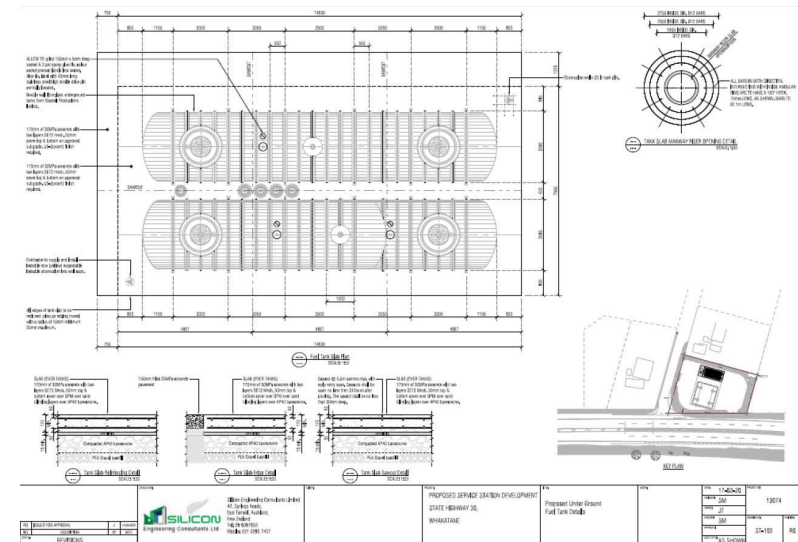
Project Duration : 2019

Project Description : Commercial Project

Silicon Scope : STRUCTURE ENGINEERING



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NO.	REVISION	DATE																																			
001	ISSUED FOR PERMIT	7/1/2014																																			
002	DESIGN REVISIONS FOR COMMENTS	7/1/2014																																			
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PROJECT	13074																																				
CLIENT																																					
DESIGNER																																					
CHECKED																																					
IN CHARGE																																					
SCALE	AS SHOWN																																				



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : 5 Rathbone Street Whangarei

Client : Omega Engineering Consultants Ltd

Project Location : NEW ZEALAND

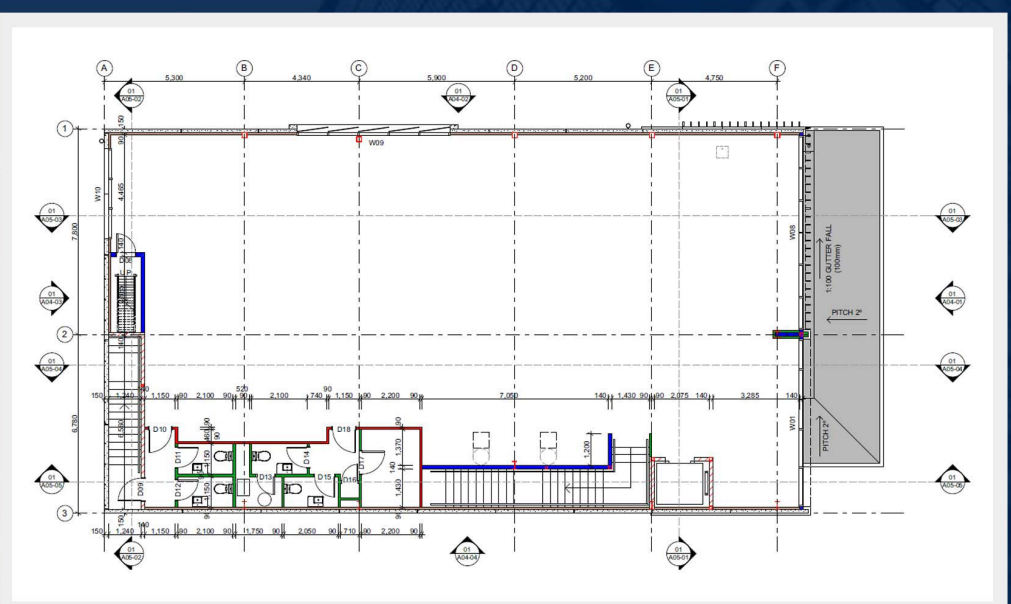
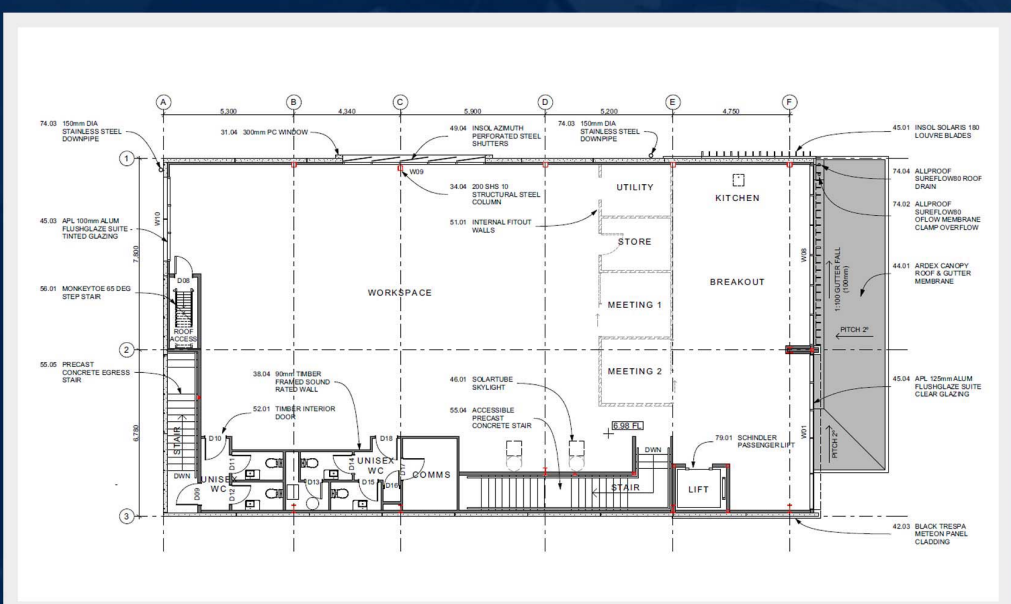
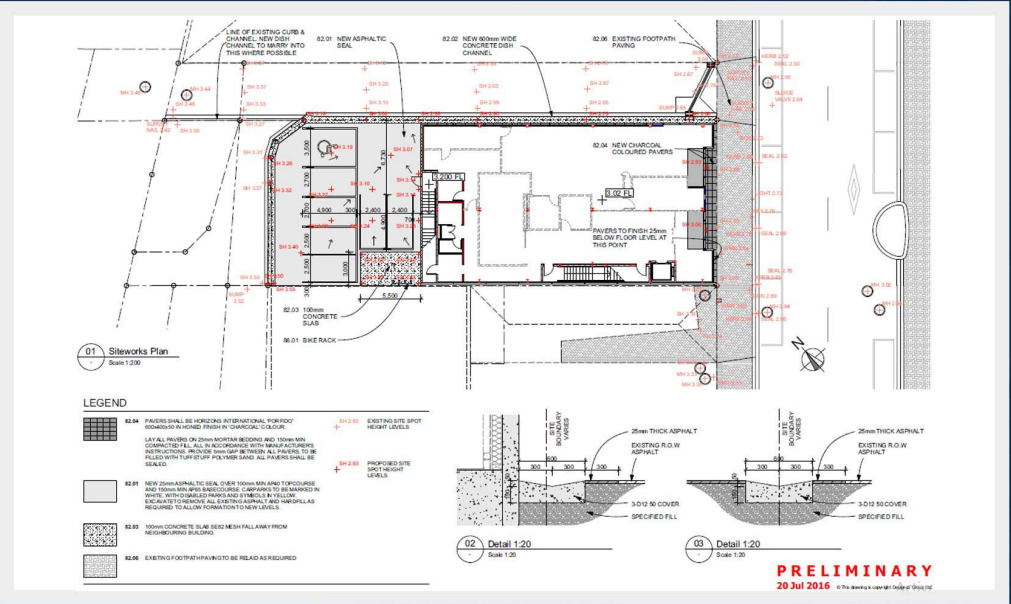
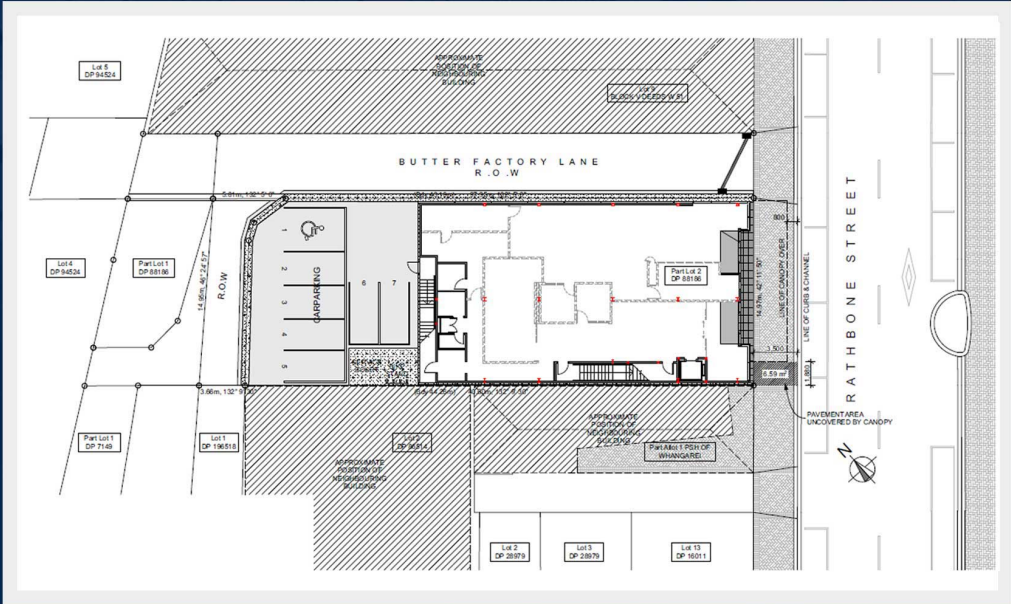
Project Year : 2016

Project Description : Commercial Project

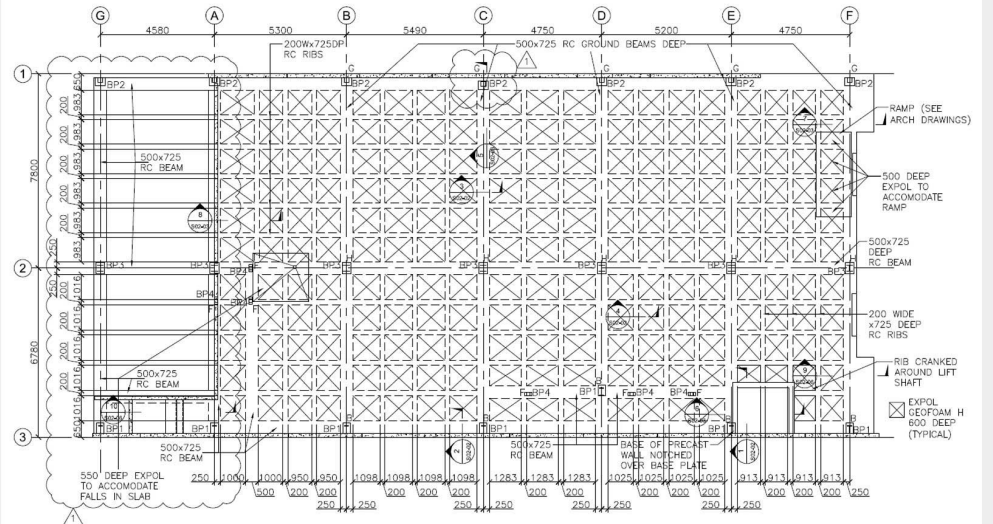
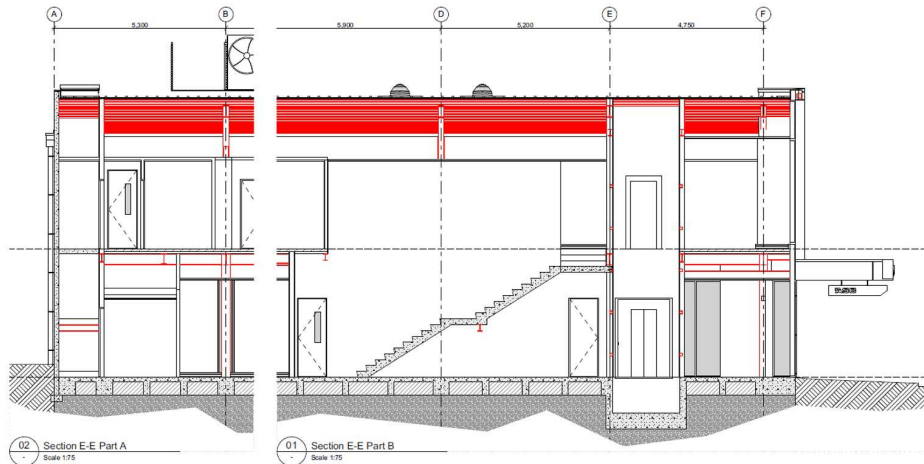
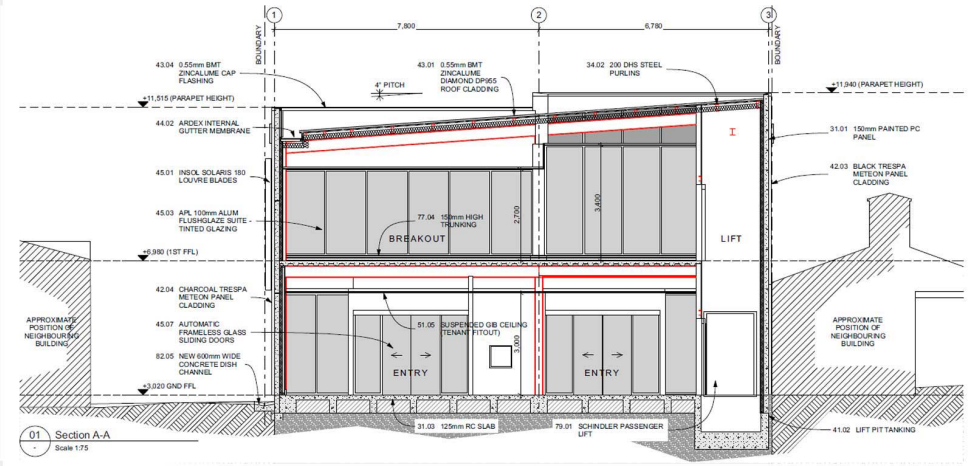
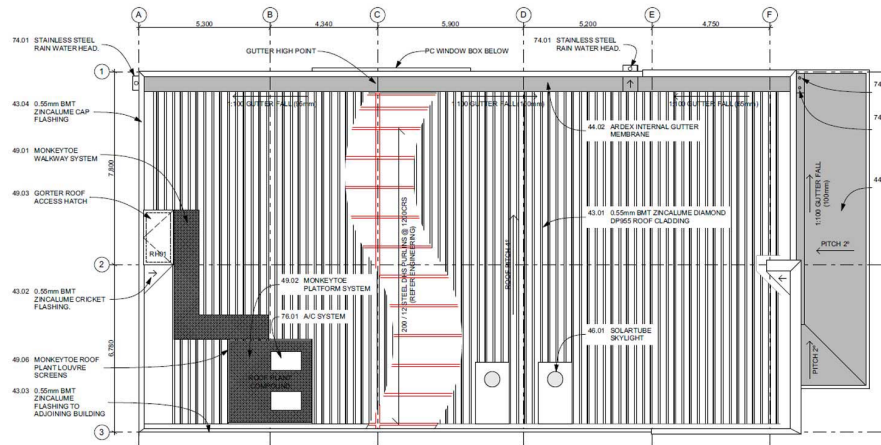
Silicon Scope : STRUCTURE ENGINEERING



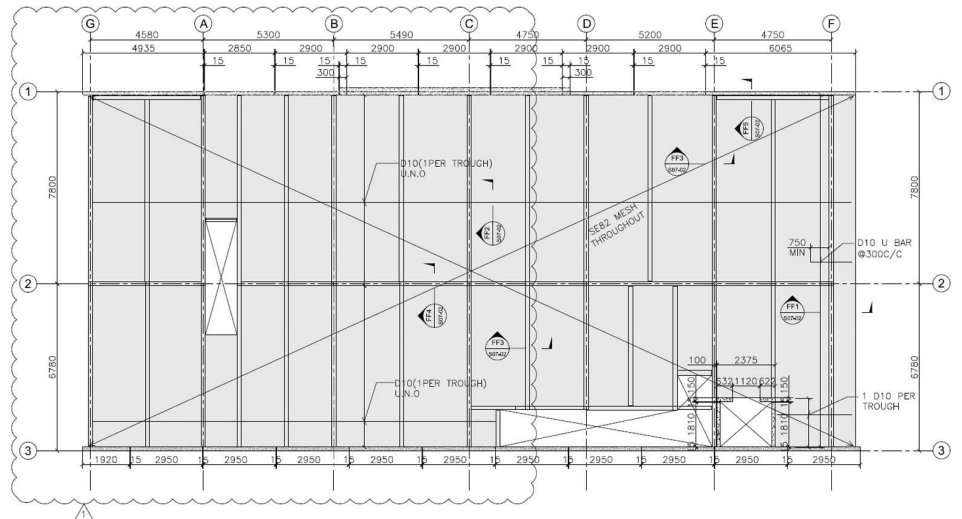
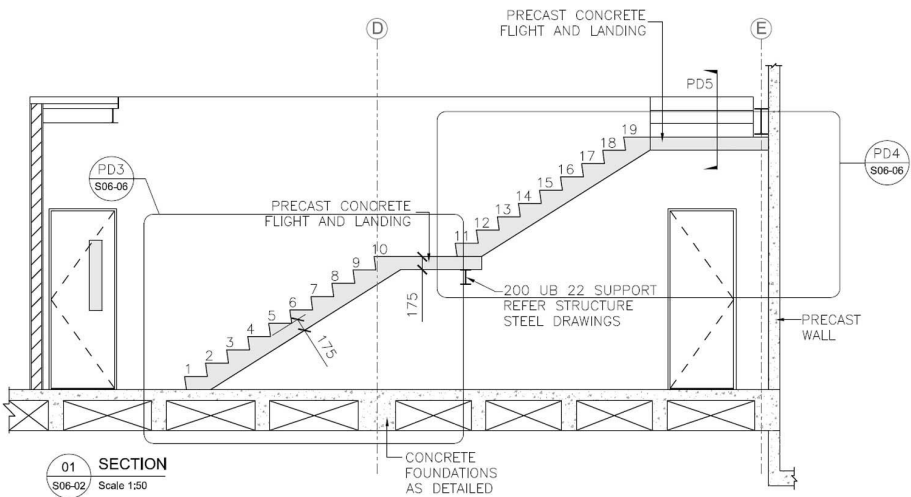
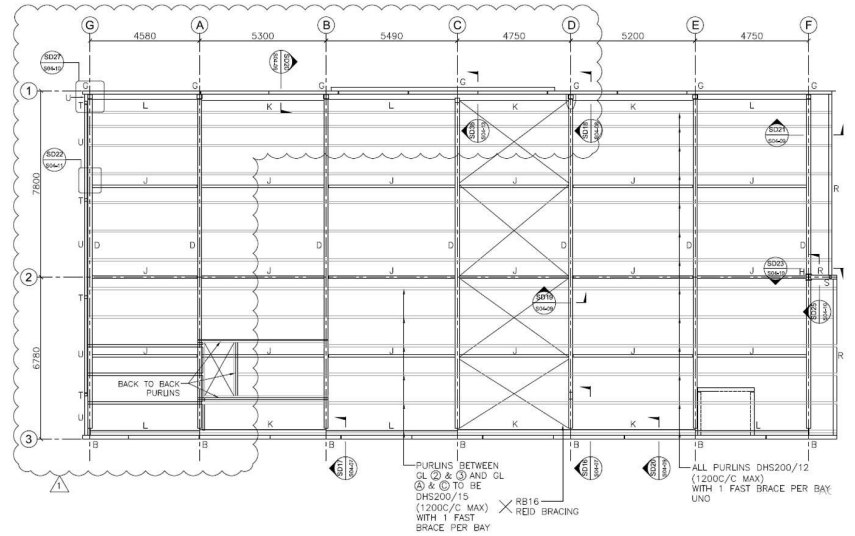
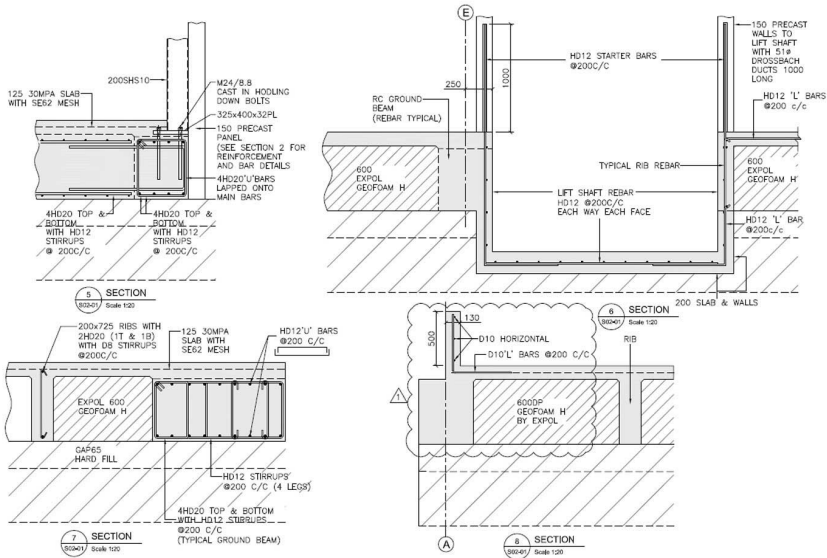
COMMERCIAL PROJECT



COMMERCIAL PROJECT



COMMERCIAL PROJECT



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : CNR BRYCE & BARTON STREETS HAMILTON

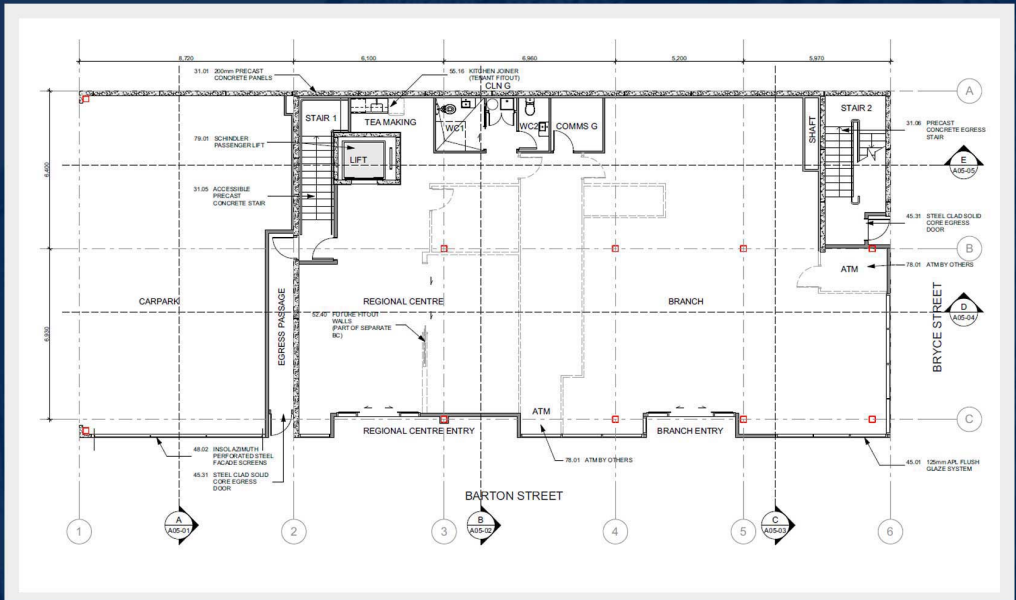
Client : Omega Engineering Consultants Ltd

Project Location : NEW ZEALAND

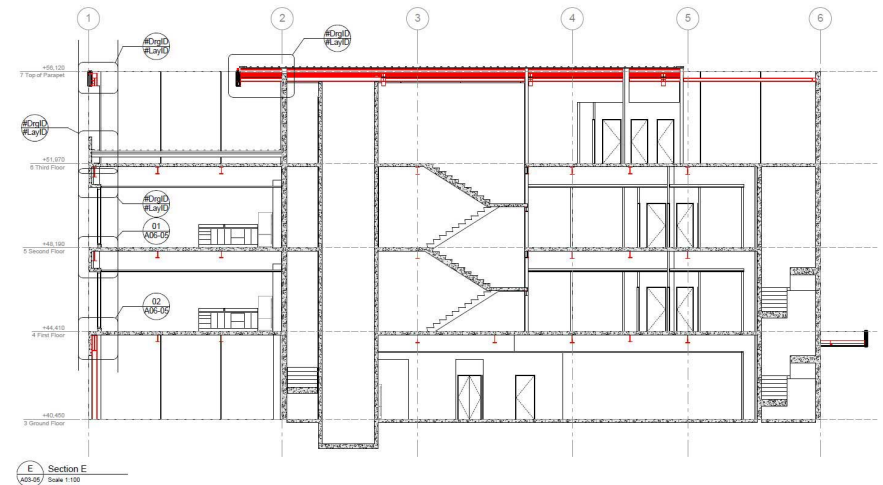
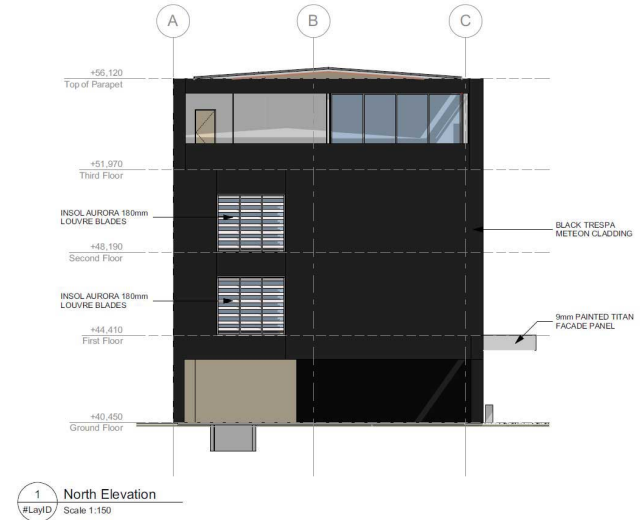
Project Year : 2016

Project Description : Commercial Project

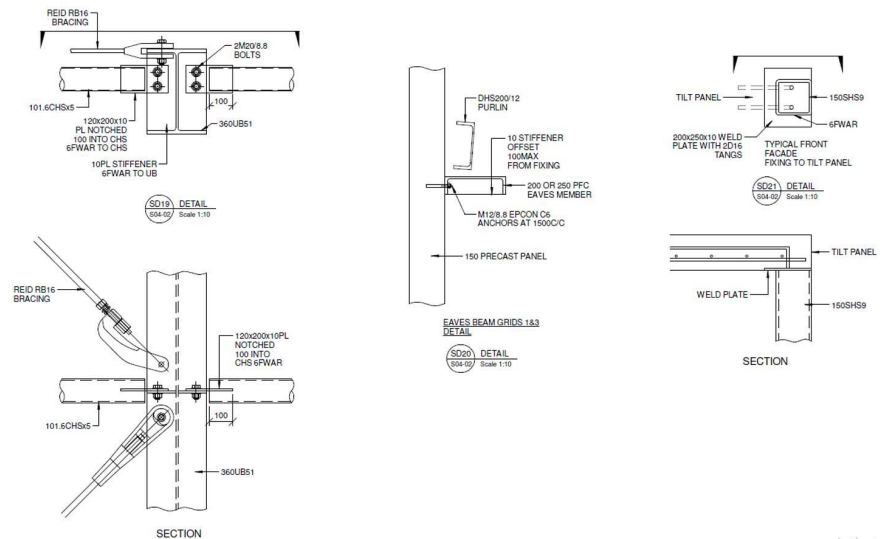
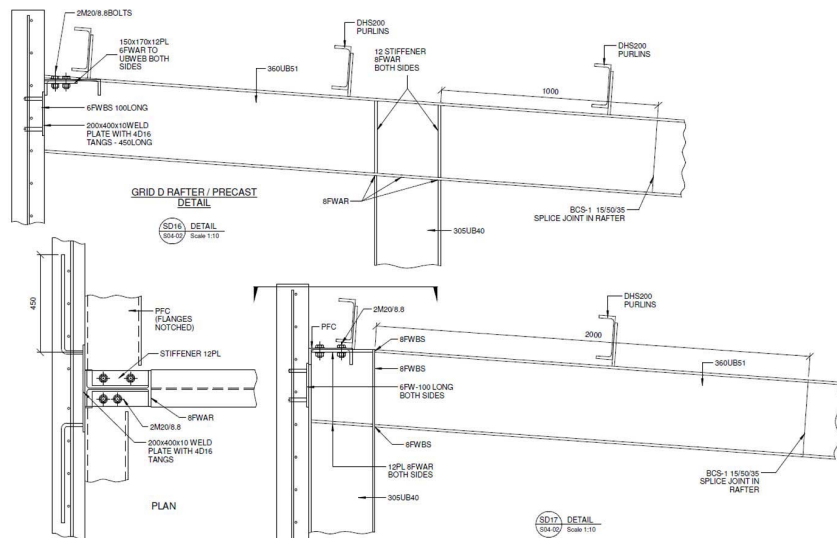
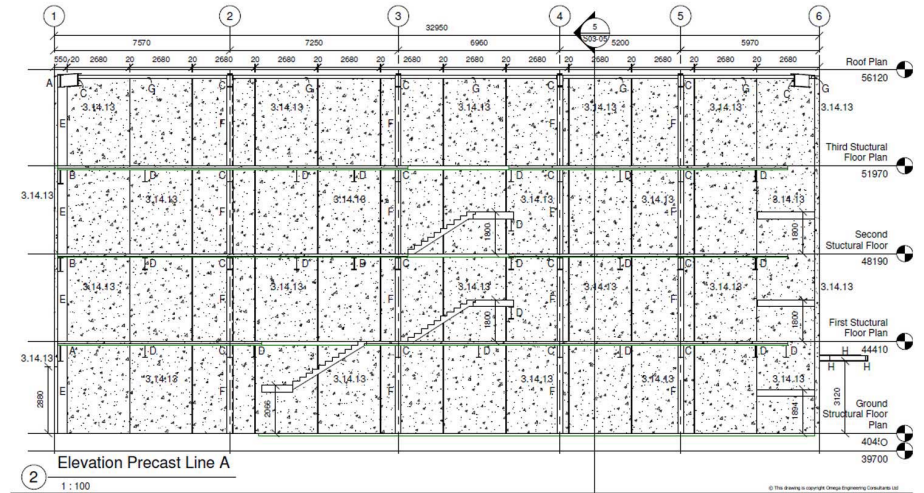
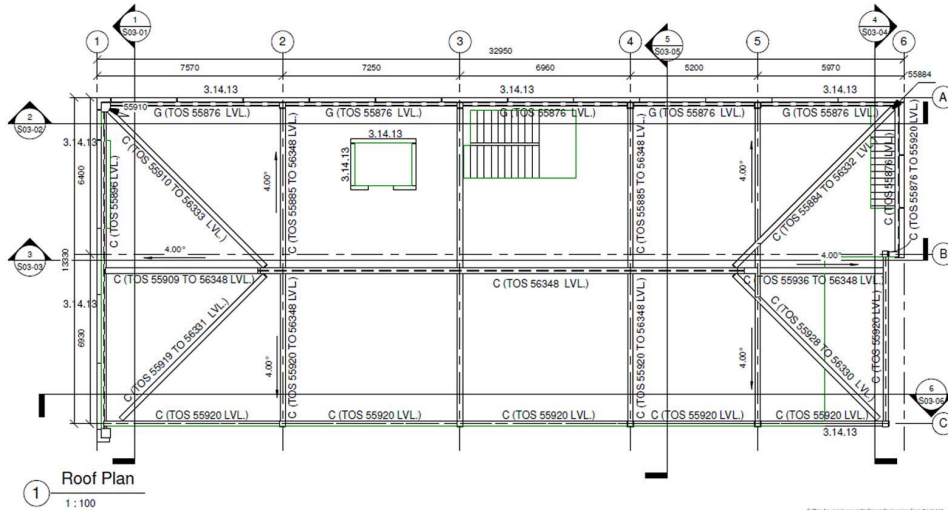
Silicon Scope : STRUCTURE ENGINEERING



COMMERCIAL PROJECT



COMMERCIAL PROJECT



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : 1333 Cameron Roadtauranga

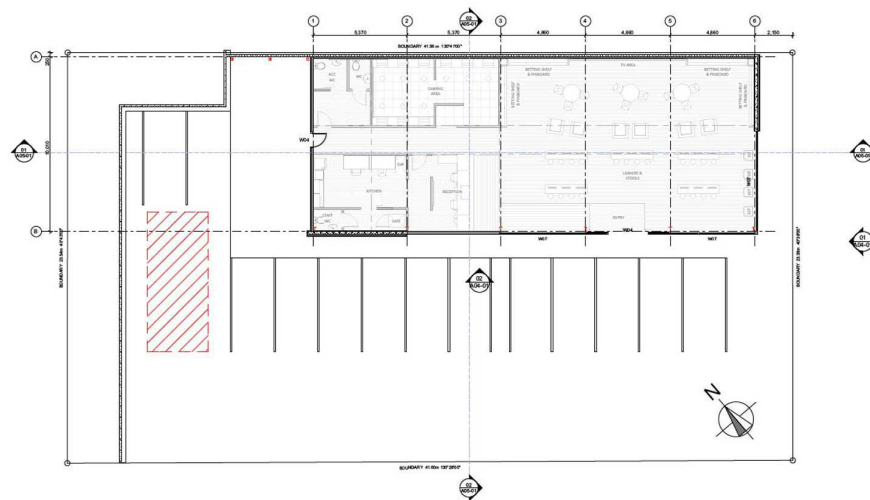
Client : Omega Engineering Consultants Ltd

Project Description : Commercial Project

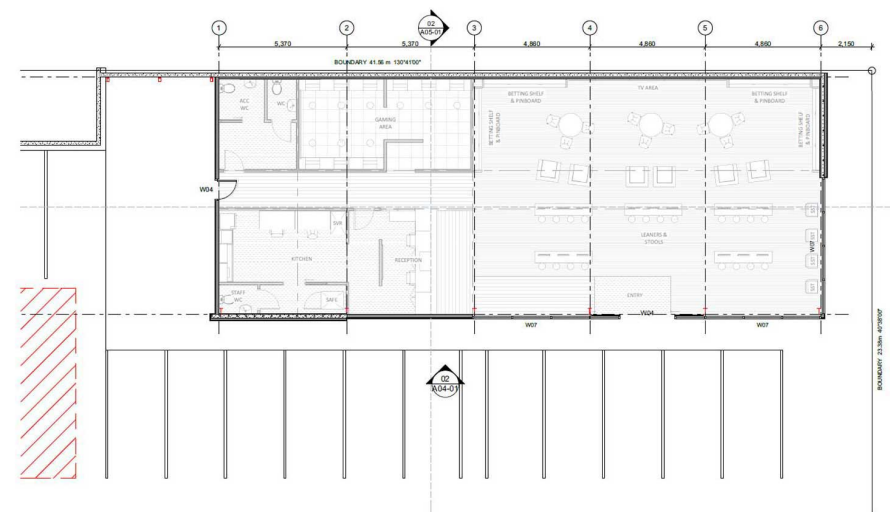
Project Location : NewZealand

Project Year : 2016-2017

Silicon Scope : Structure Engineering

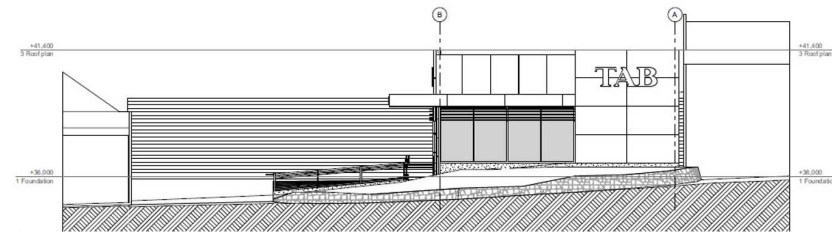


01 Site Plan
Scale 1:150

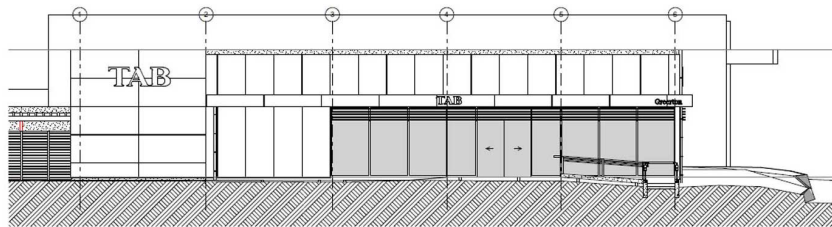


01 Ground Floor Plan
Scale 1:100

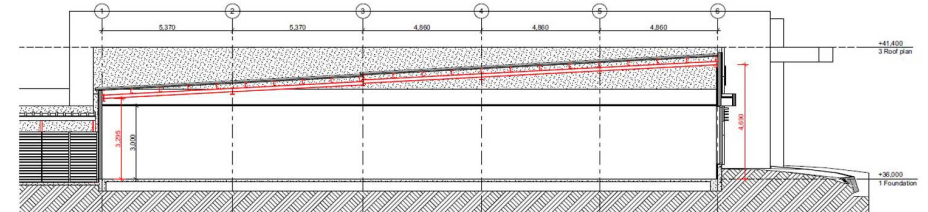
COMMERCIAL PROJECT



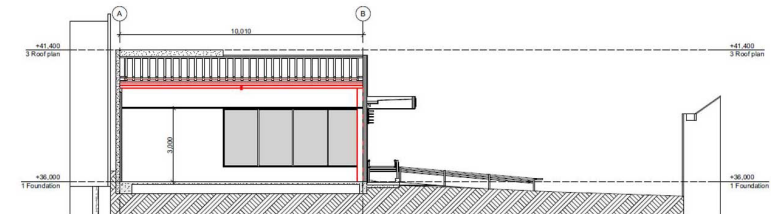
01 South East Elevation
Scale 1:100



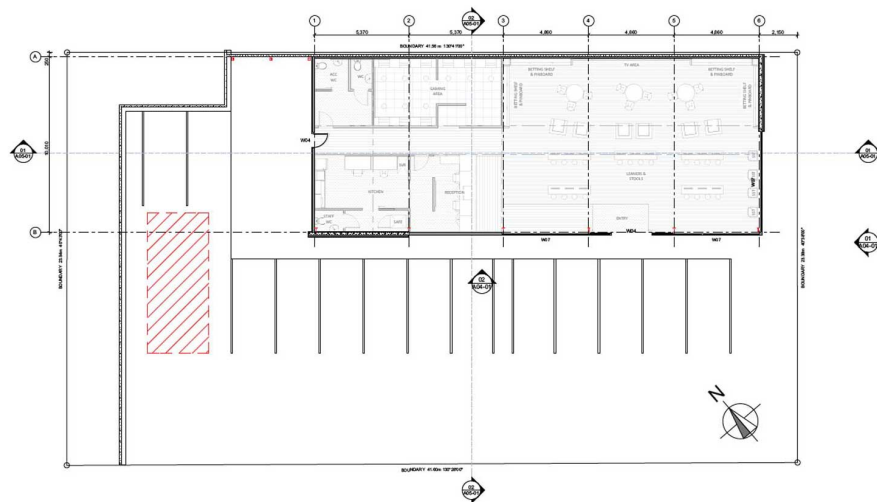
02 South West Elevation
Scale 1:100



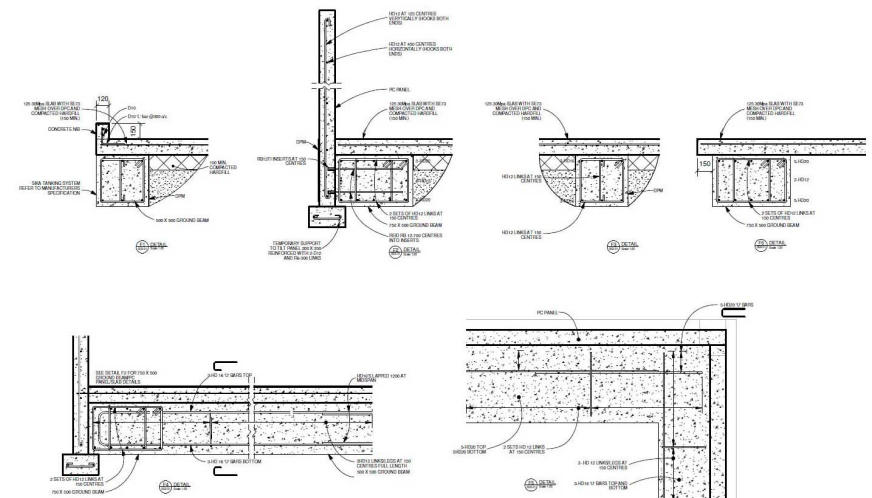
01 Section A-A
Scale 1:100



02 Section B-B
Scale 1:100



01 Site Plan
Scale 1:100



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : UNION GREEN APARTMENTS 39-47

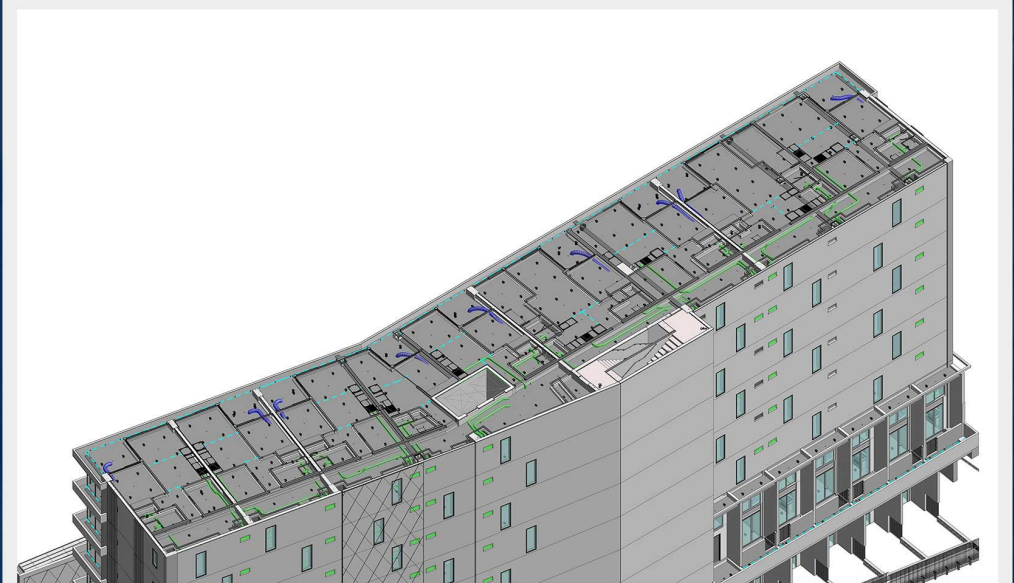
Client : Ambient Projects LTd

Project Location : NewZealand

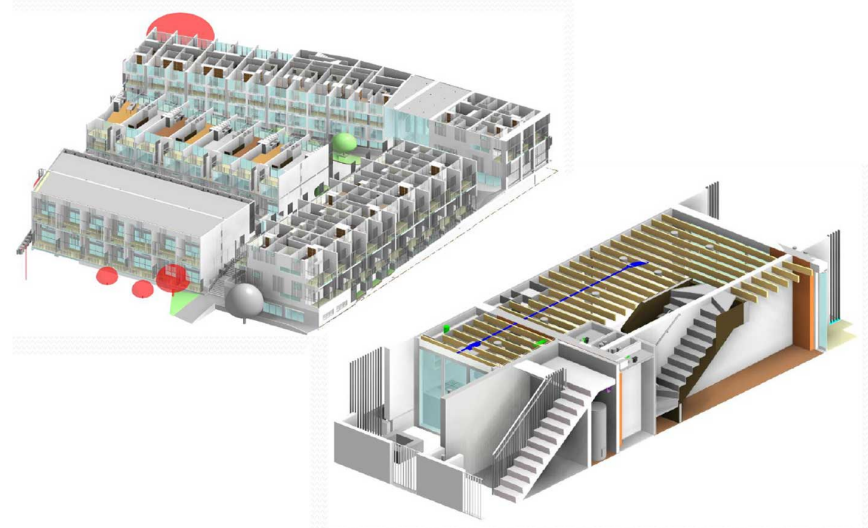
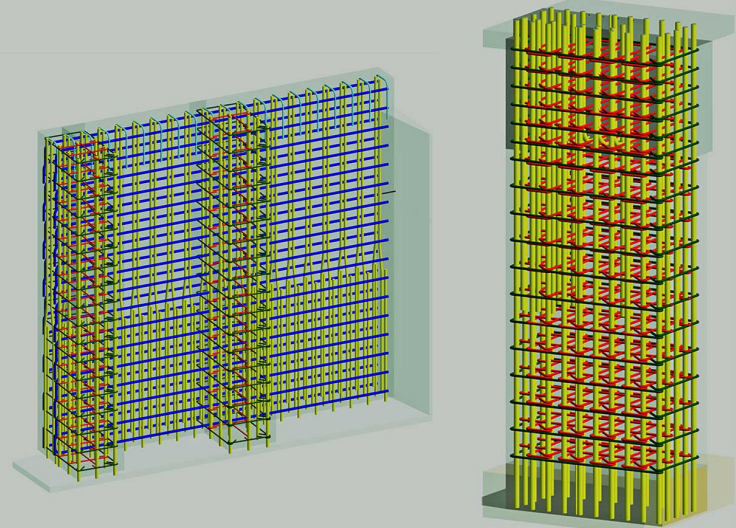
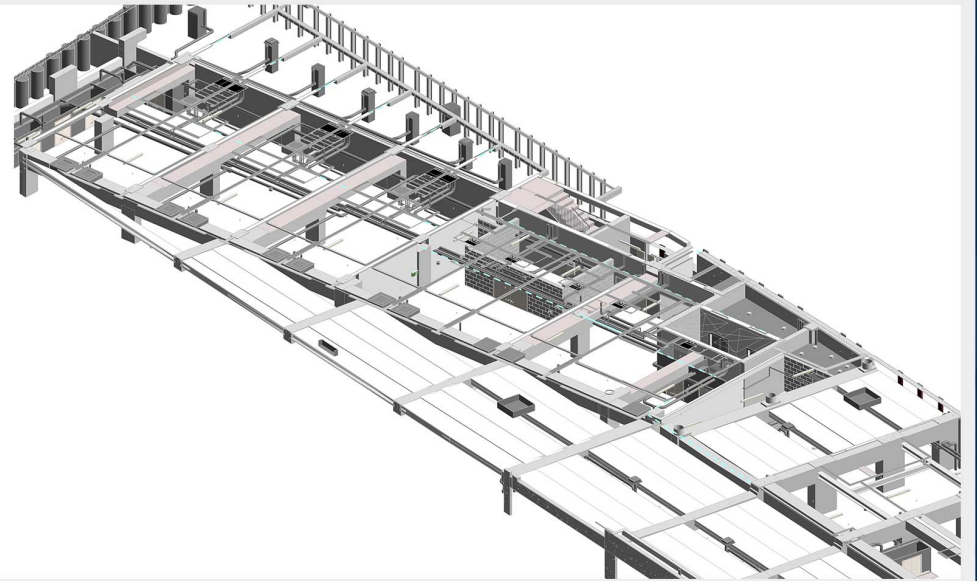
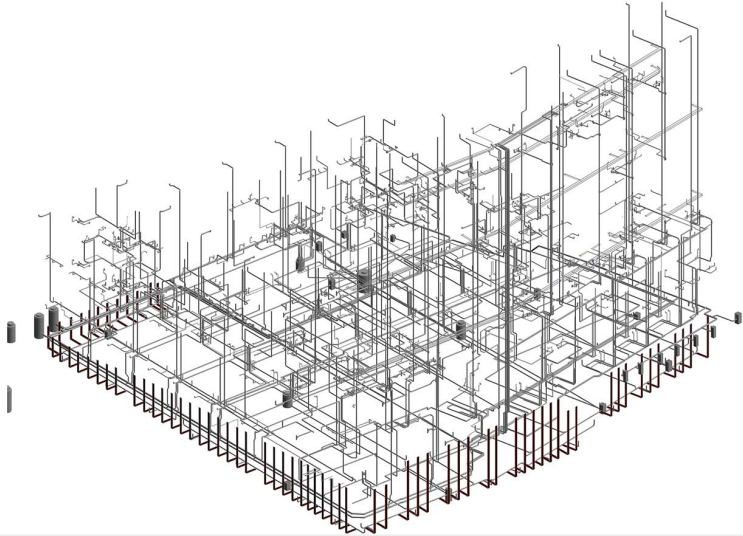
Project Year : 2017

Discipline : Building Information Modelling

Project Description : The Union Green is a fascinating residential apartment located at Union Street. Silicon worked closely with Ambient Project limited modelling the MEP services & BIM Coordination for this project.



COMMERCIAL PROJECT



COMMERCIAL PROJECT

PROJECT DETAILS

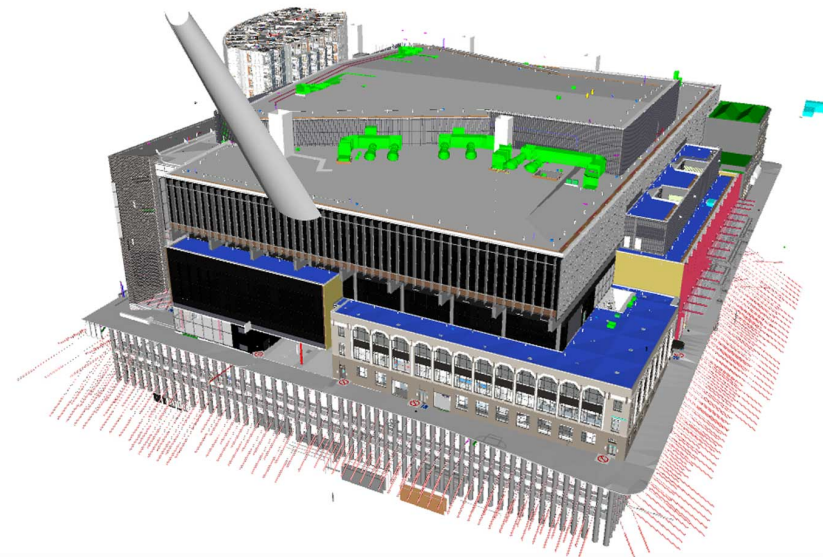
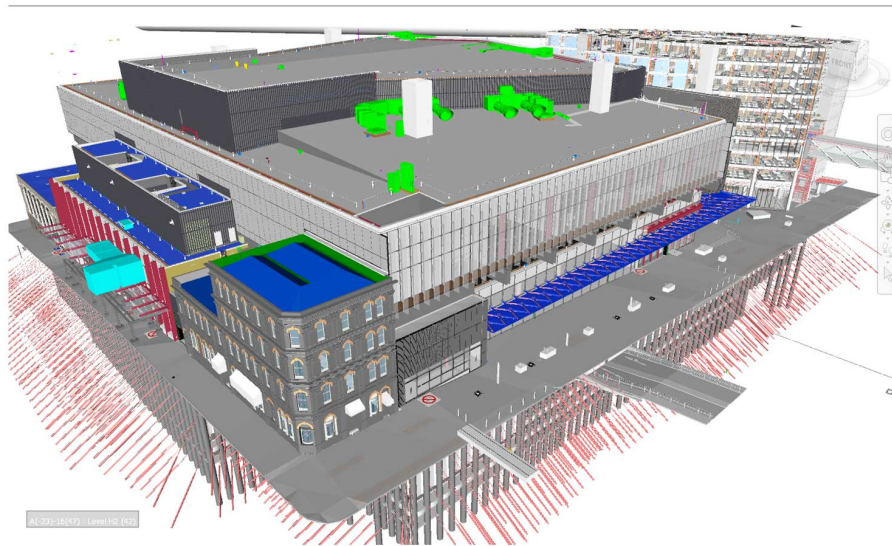
Project Name : New Zealand International Convention Center Limited

Client Name : Fletchers Construction Company

Project Location : New Zealand

Project Duration : 2017-2018

Project Description : External Carpentry-Roof Dura Panel Shop Drawings



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : 180 STODDARD ROAD

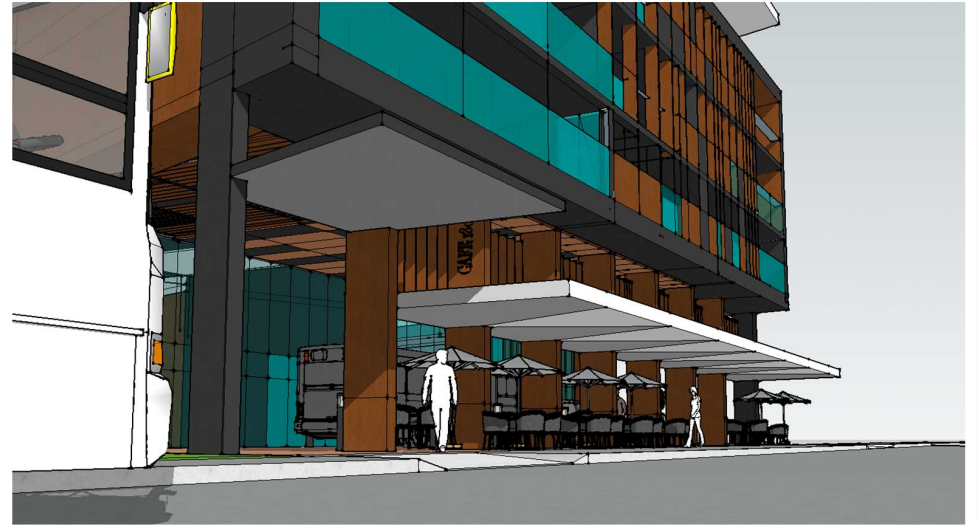
Client : IPG Corporation

Project Location : New Zealand

Project Year : -

Discipline : Architectural & Structural Services

Project Description : A Five-star hotel with G + four levels, roof top swimming pool constructed at 180 Stoddard Road by IPG Hotels. Silicon had done the structural drawings, rebar detailing and BBS.



COMMERCIAL PROJECT

PROJECT DETAILS

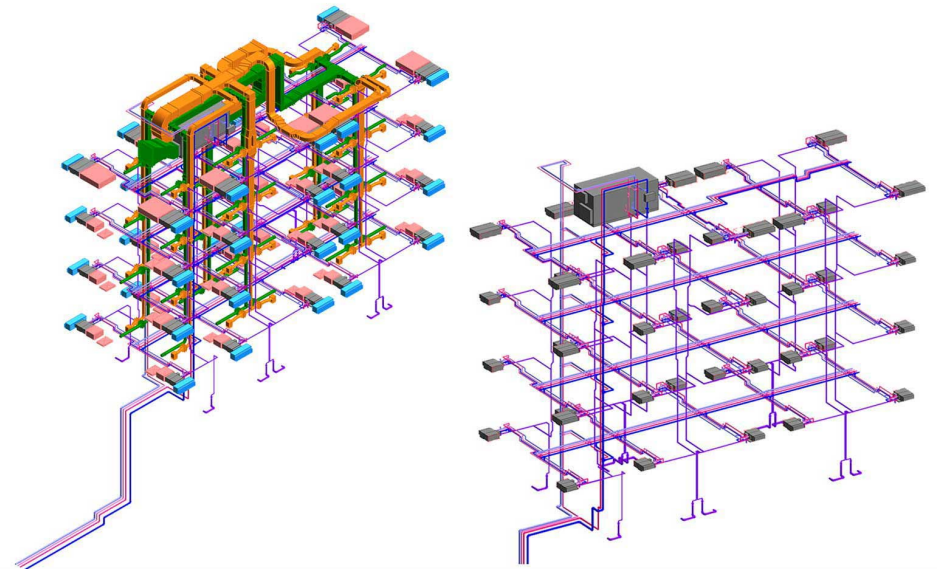
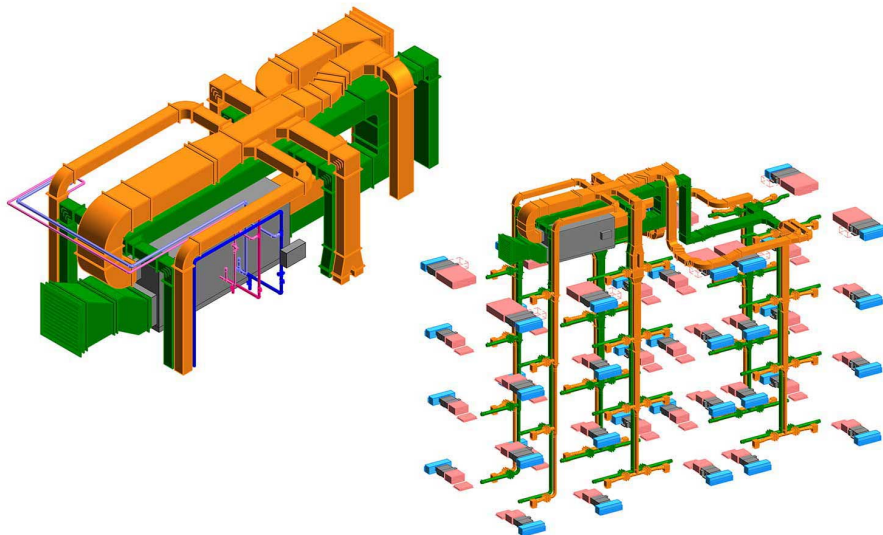
Project Name : Novotel Hotel

Client : Form Building & Developments

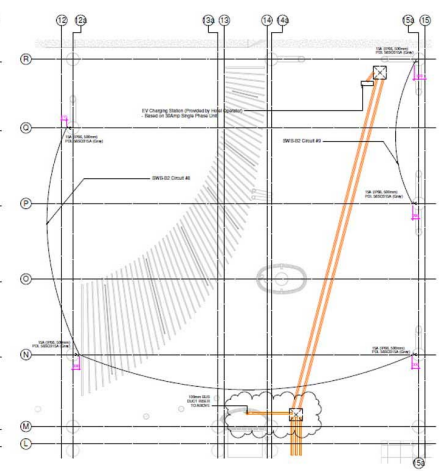
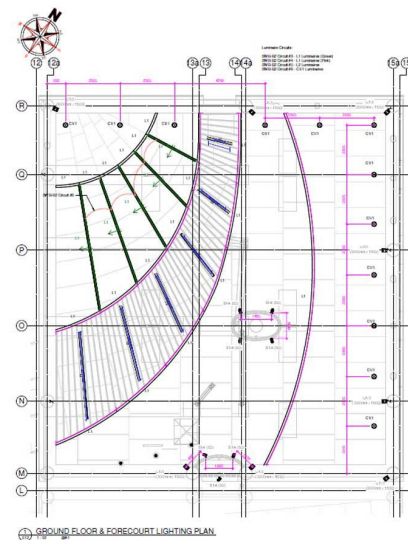
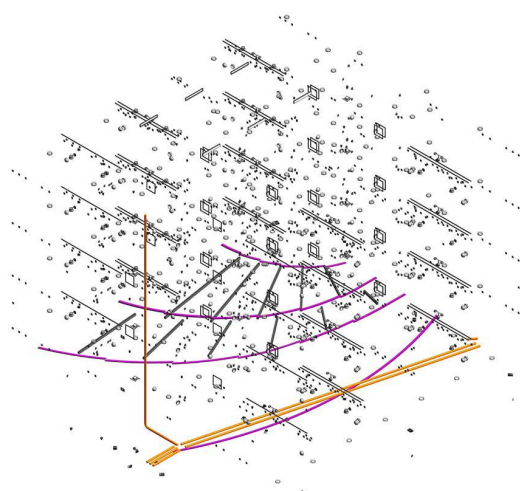
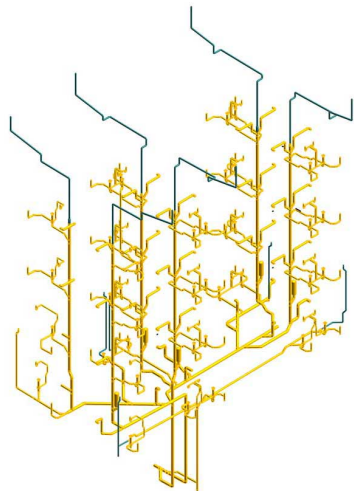
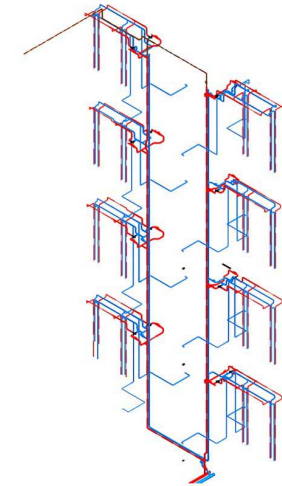
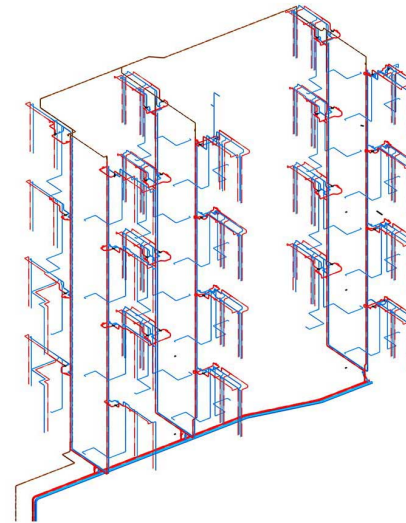
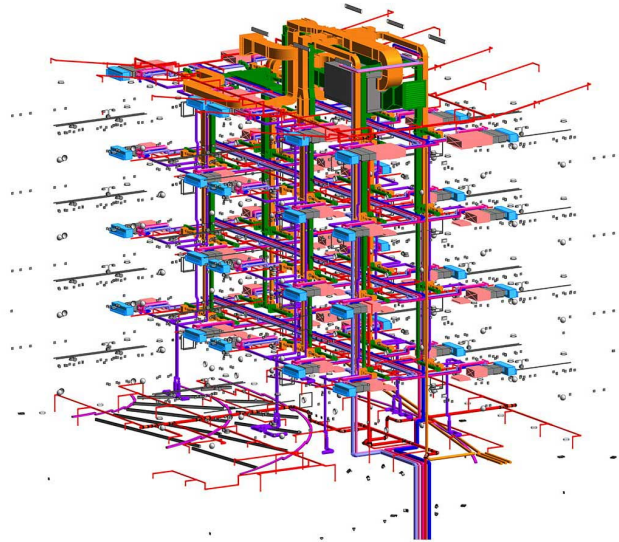
Project Location : New Zealand

Project Year : 2020

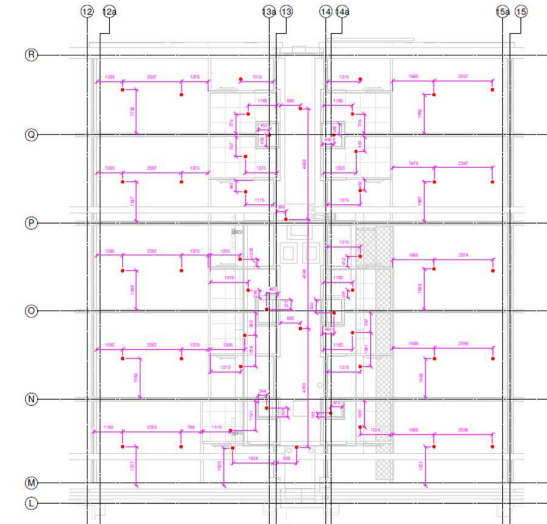
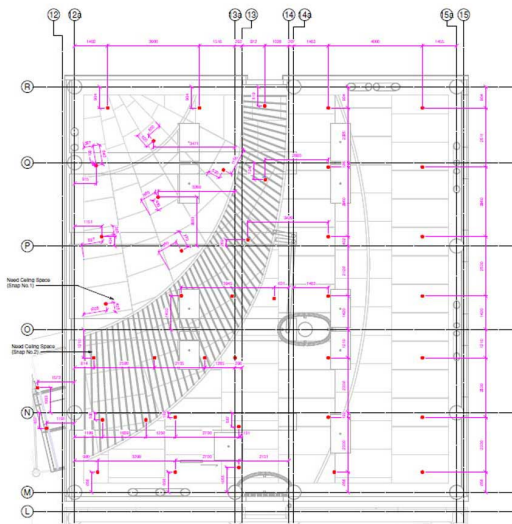
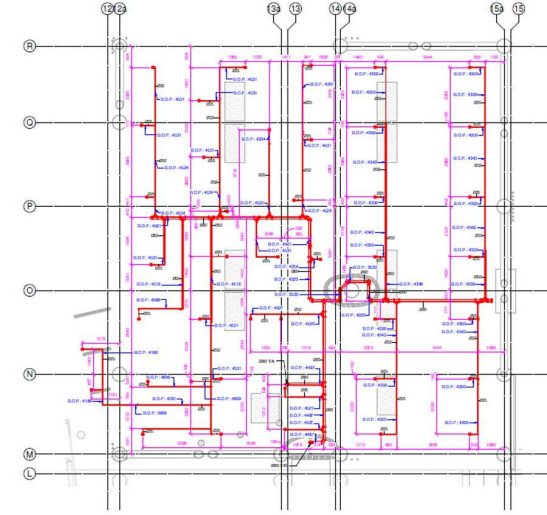
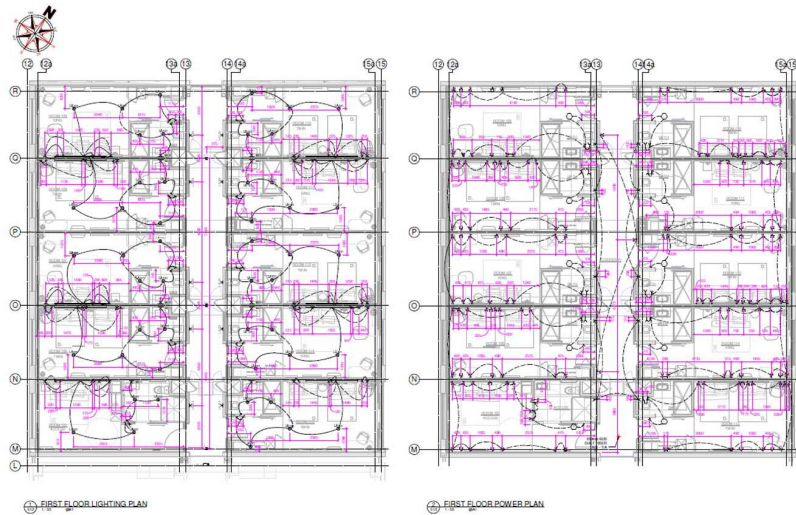
Project Description : MEPF modelling



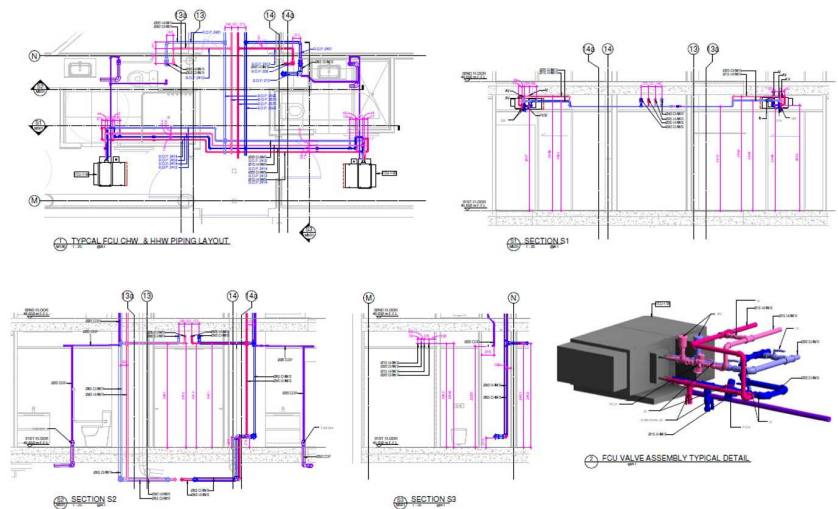
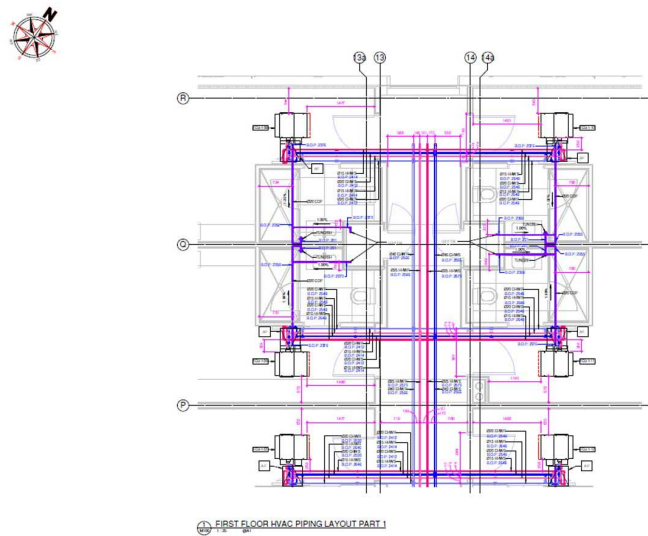
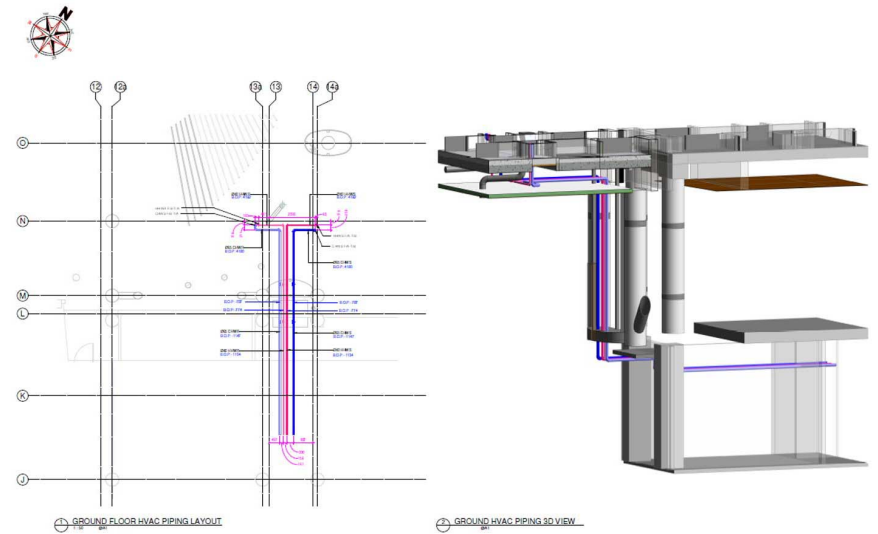
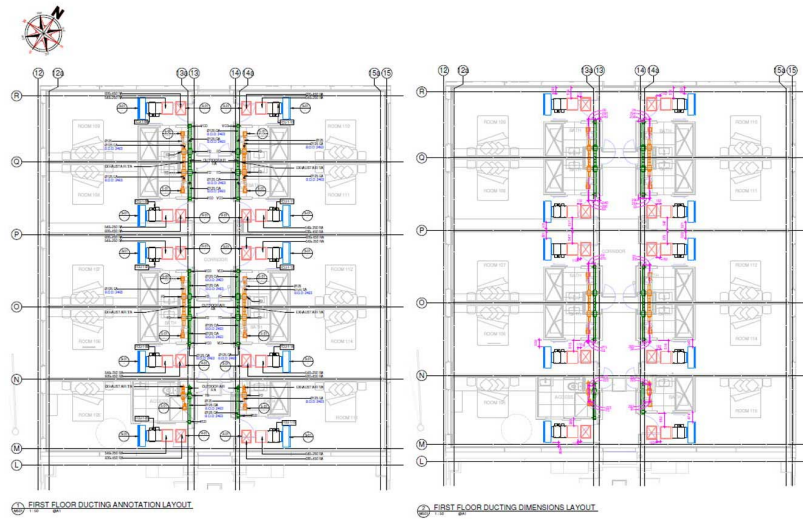
COMMERCIAL PROJECT



COMMERCIAL PROJECT



COMMERCIAL PROJECT



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PROJECT DETAILS

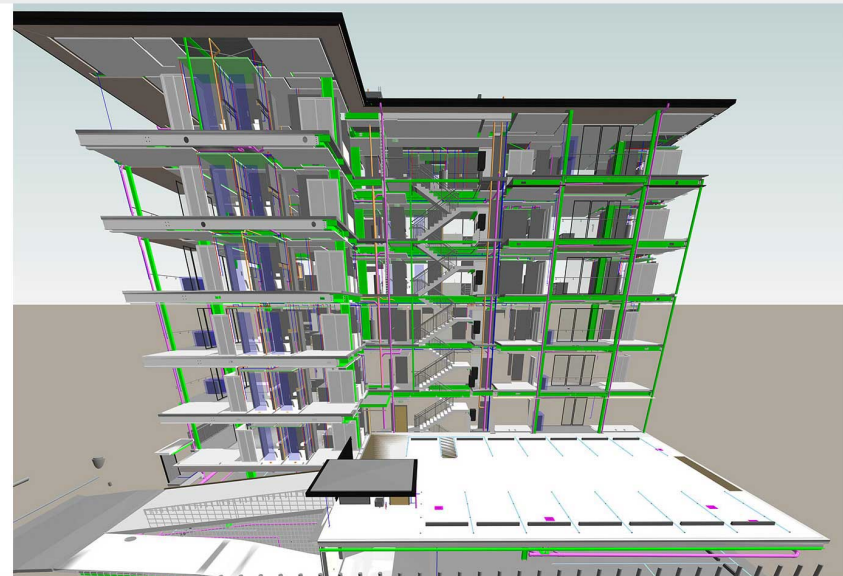
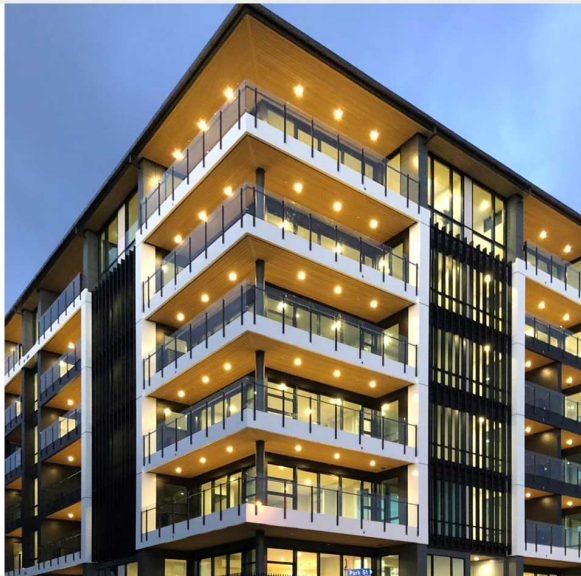
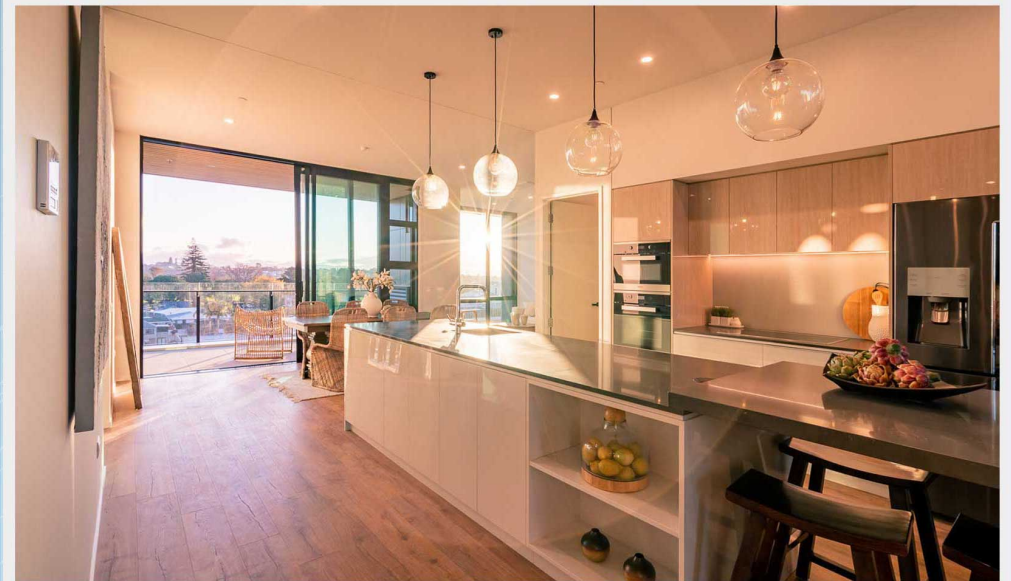
Project Name : Latitude Apartment

Client : Form Building

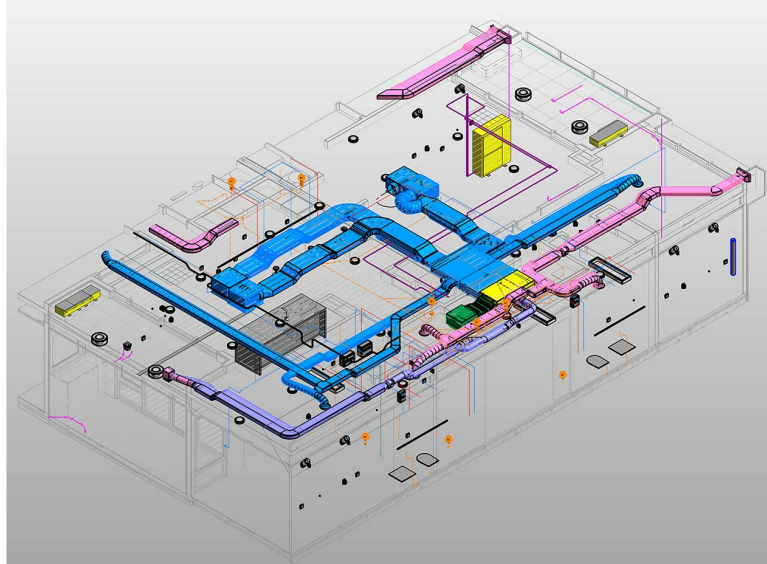
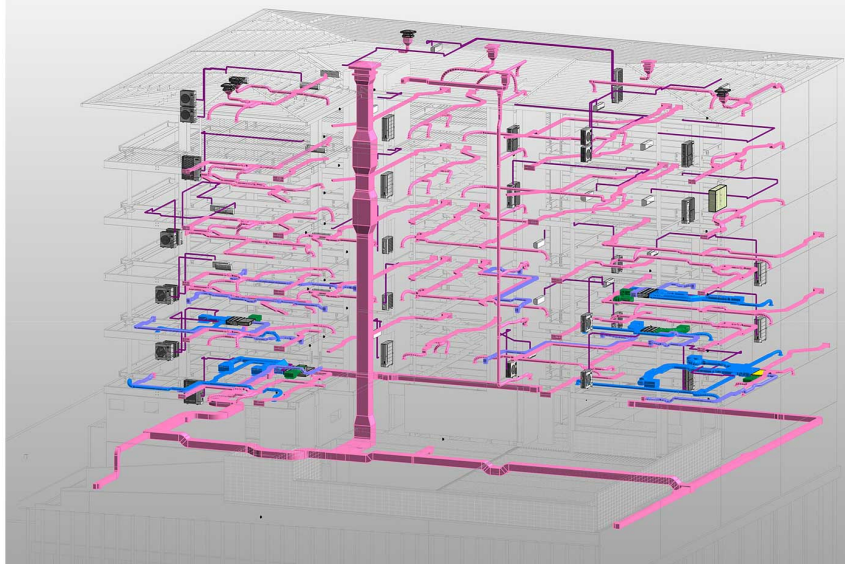
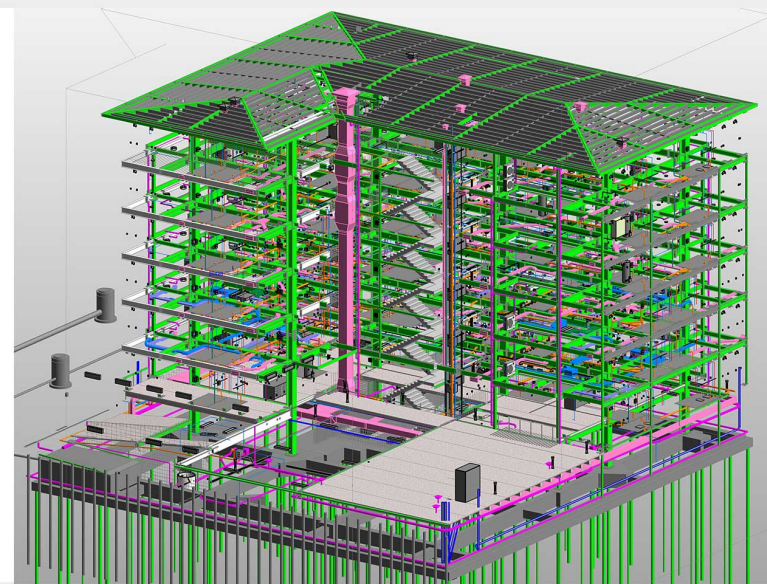
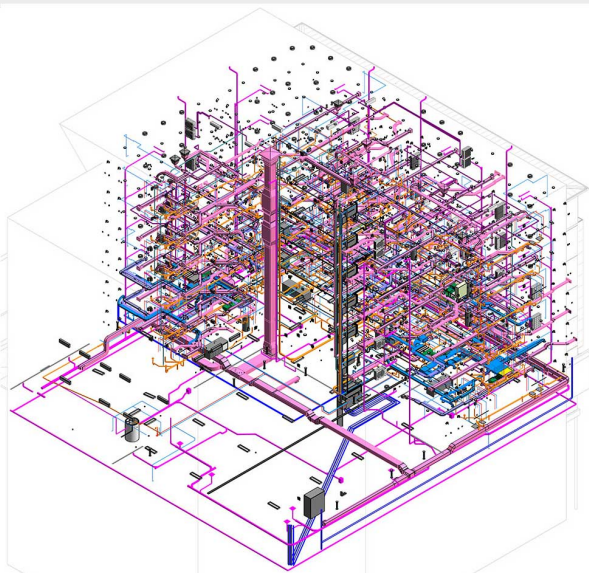
Project Location : New Zealand

Project Year : 2018

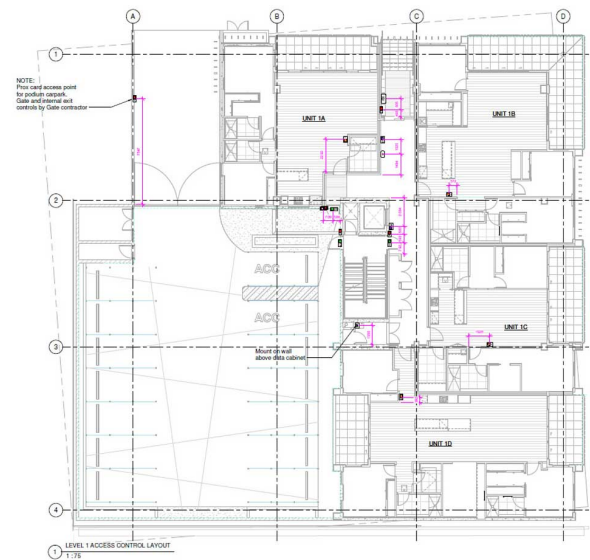
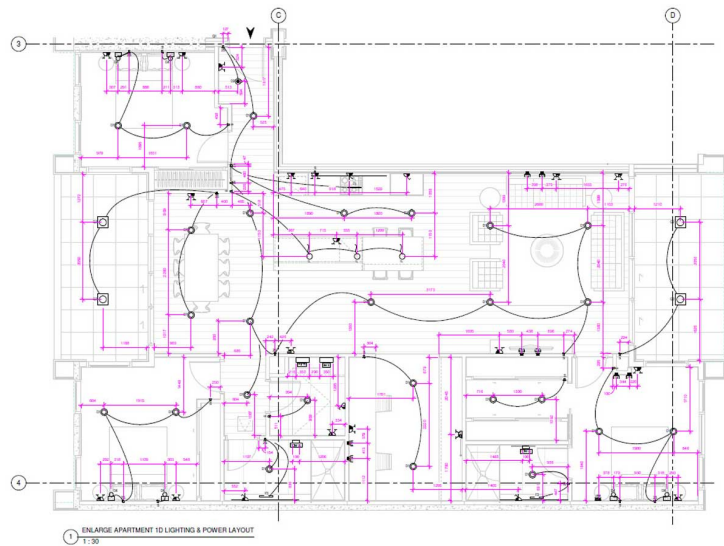
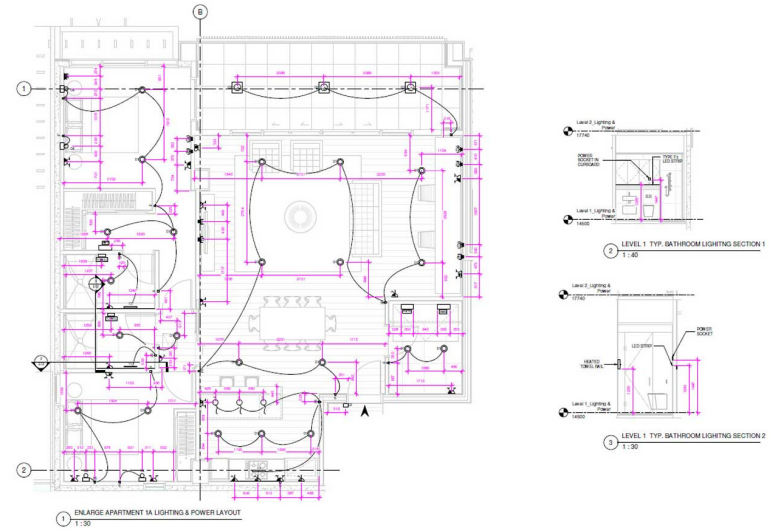
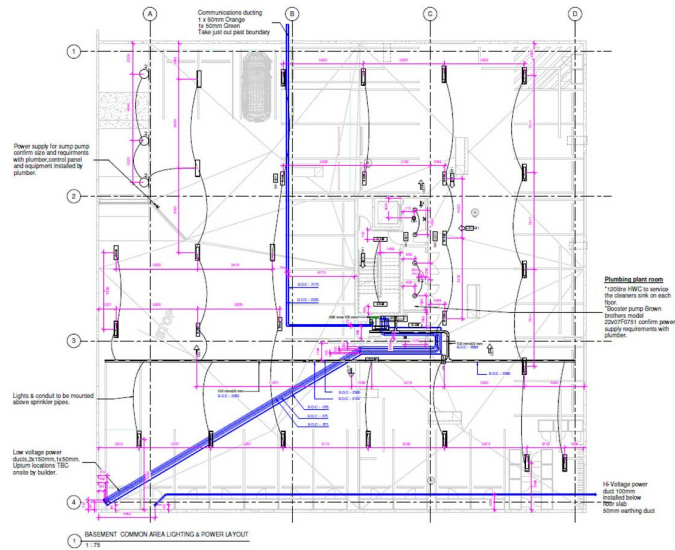
Silicon Scope : MEPF Modelling



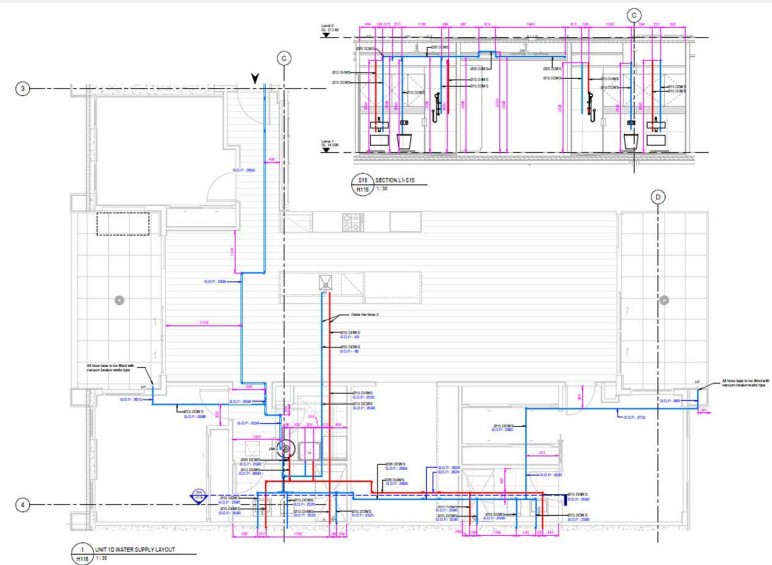
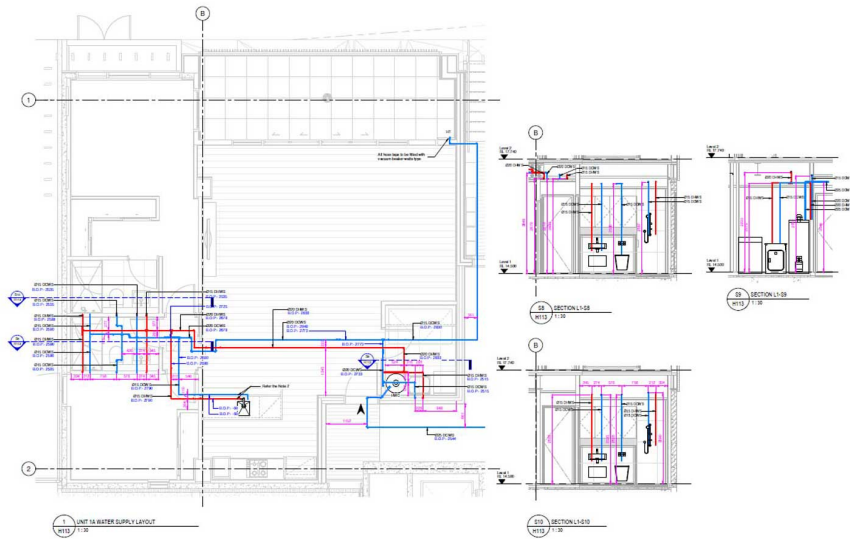
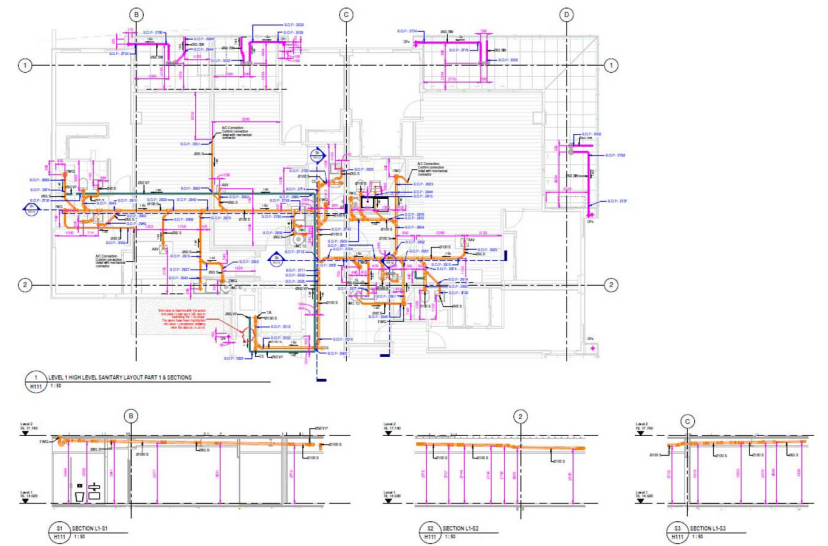
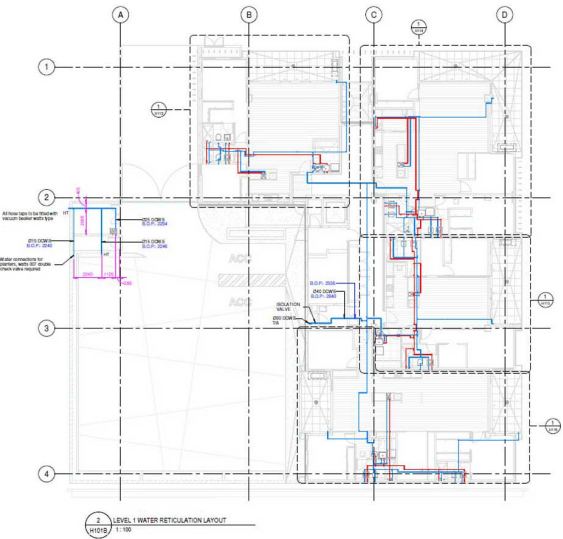
COMMERCIAL PROJECT



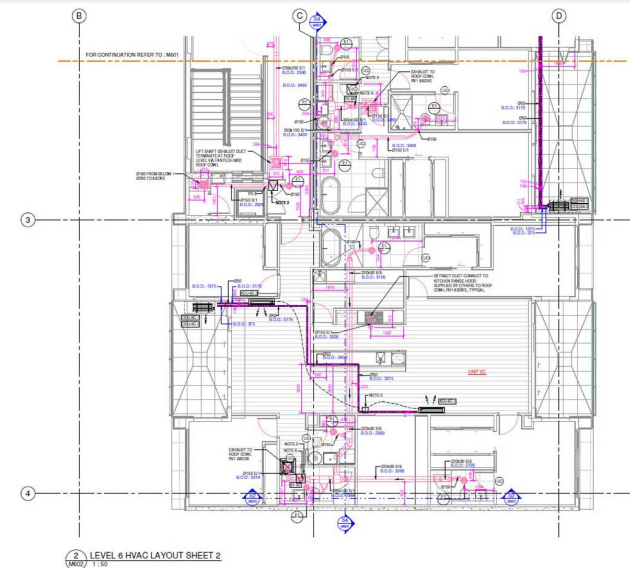
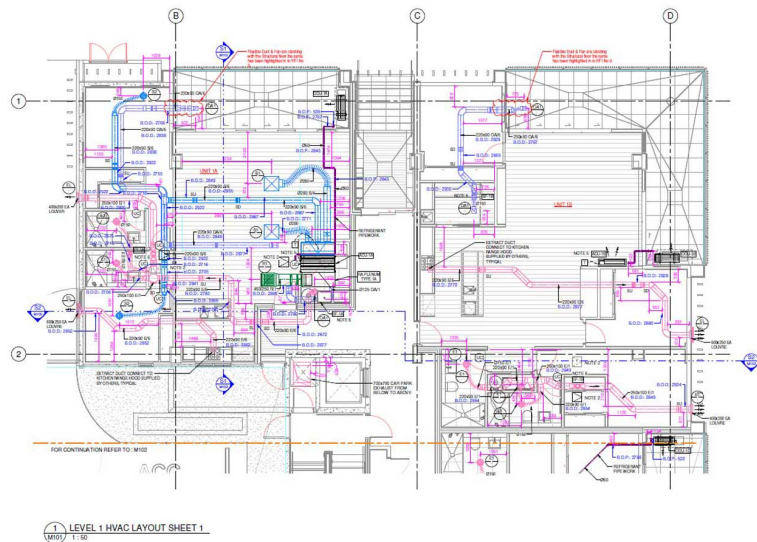
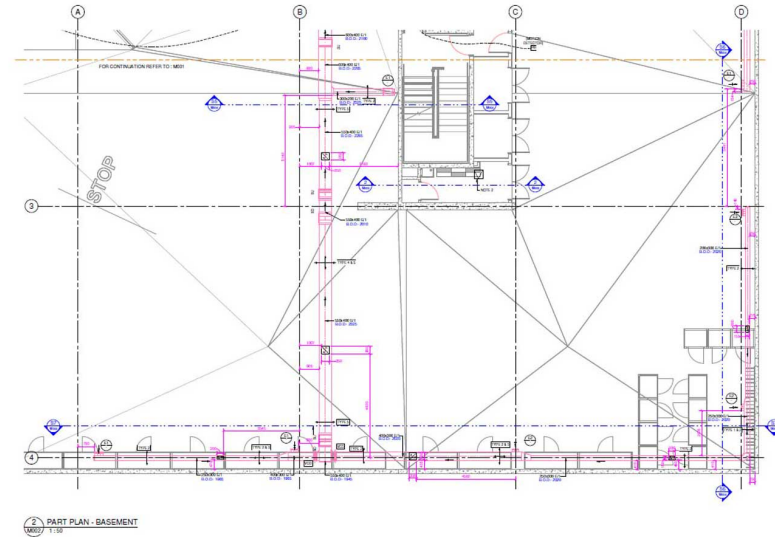
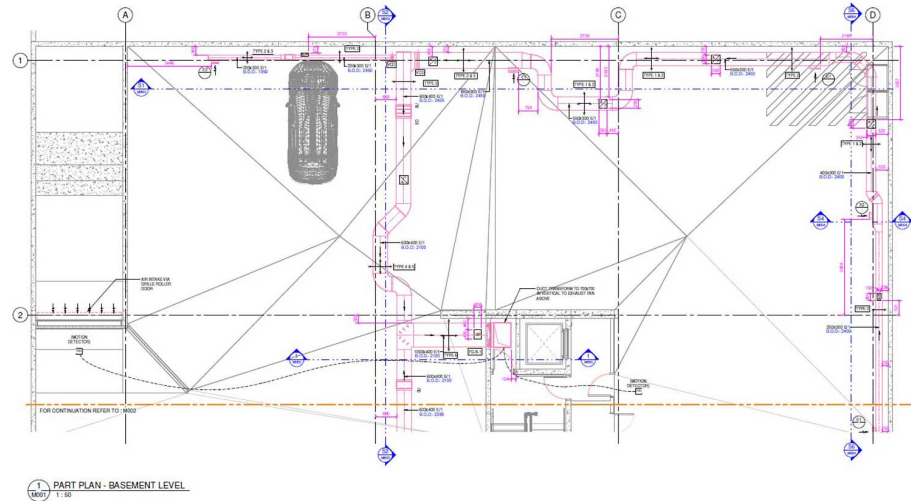
COMMERCIAL PROJECT



COMMERCIAL PROJECT



COMMERCIAL PROJECT



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PROJECT DETAILS

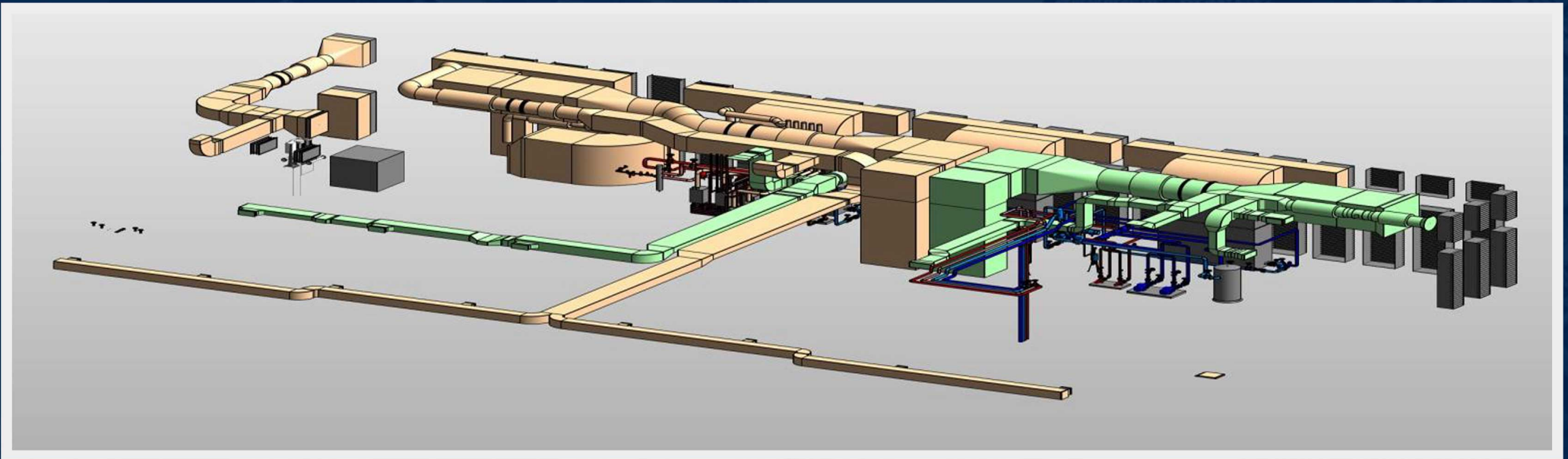
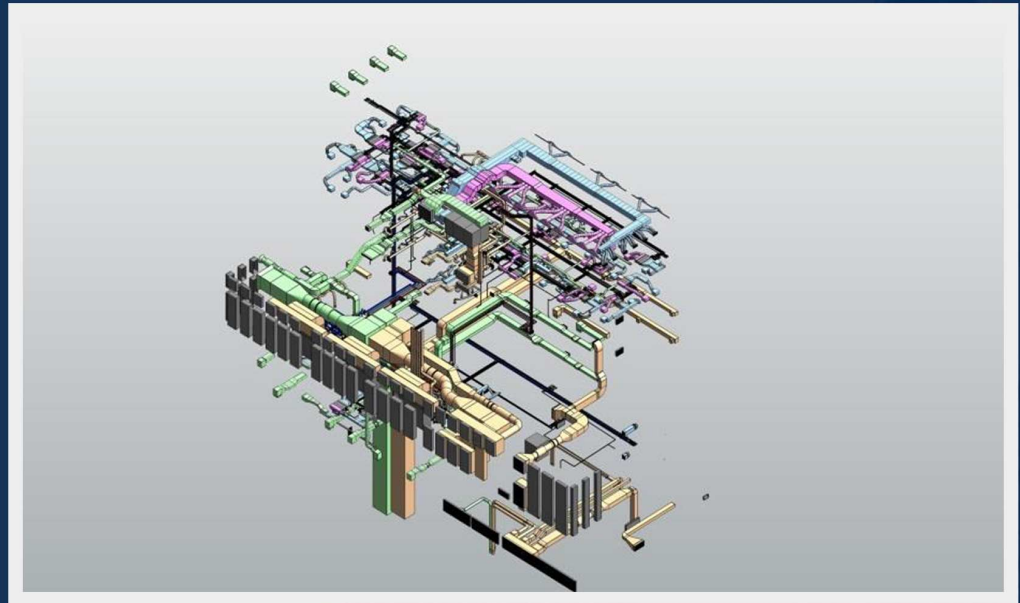
Project Name : Seascope-Customs St.

Client Name : China Construction/ Apex Air

Project Location : NewZealand

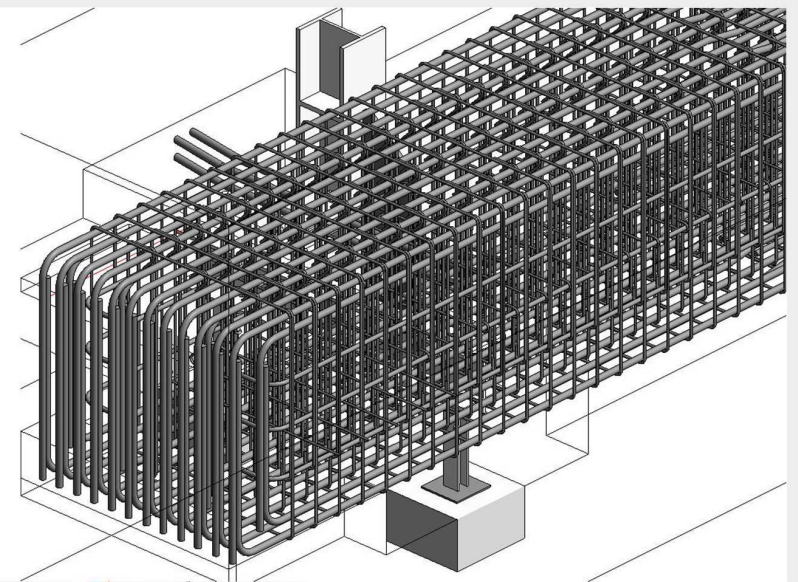
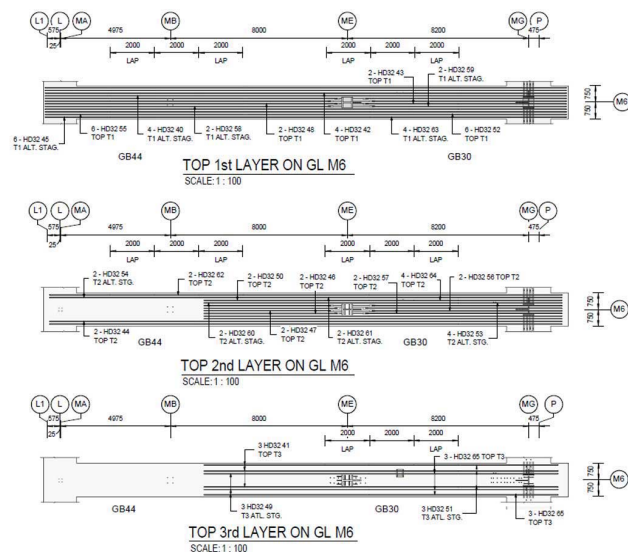
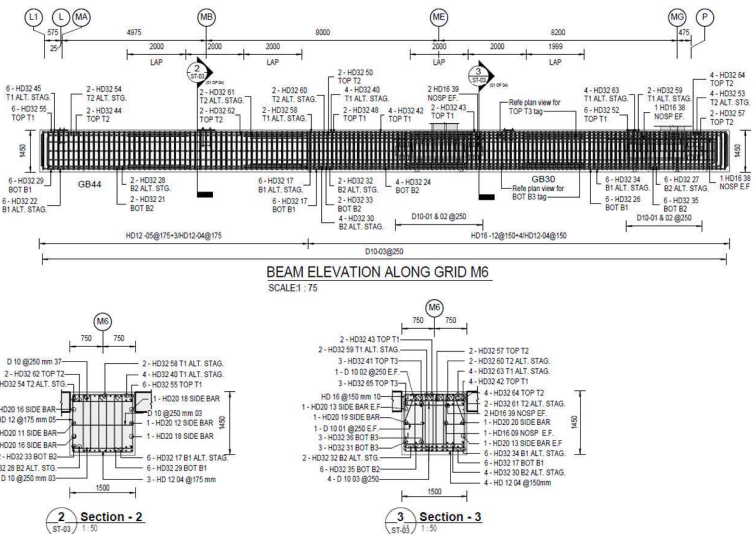
Project Year : 2021

Project Description : Mepf Shop Drawings

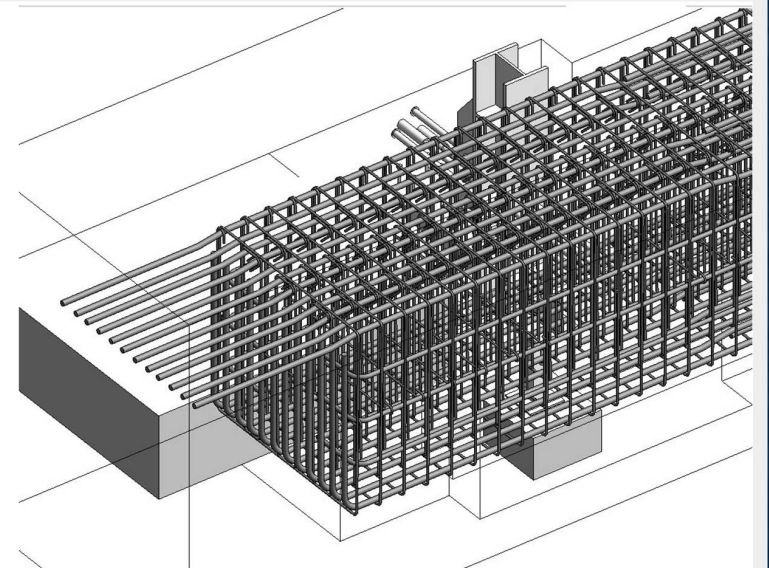
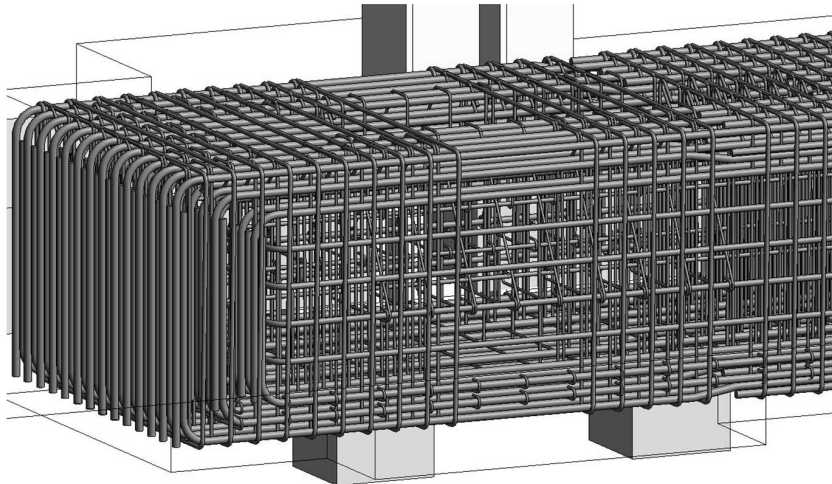
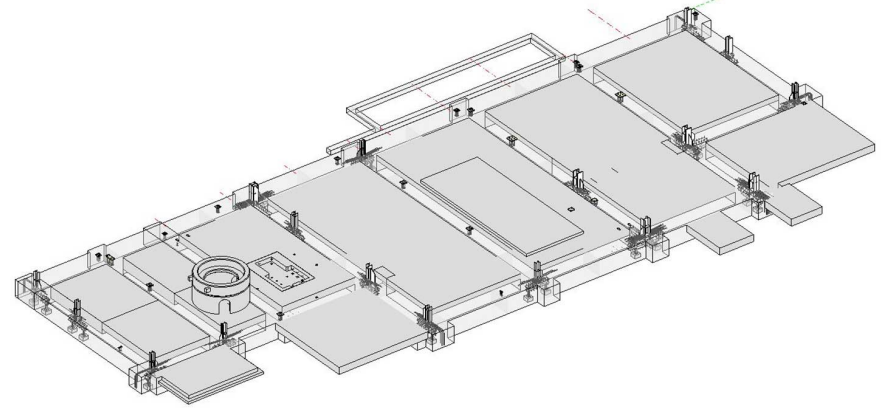
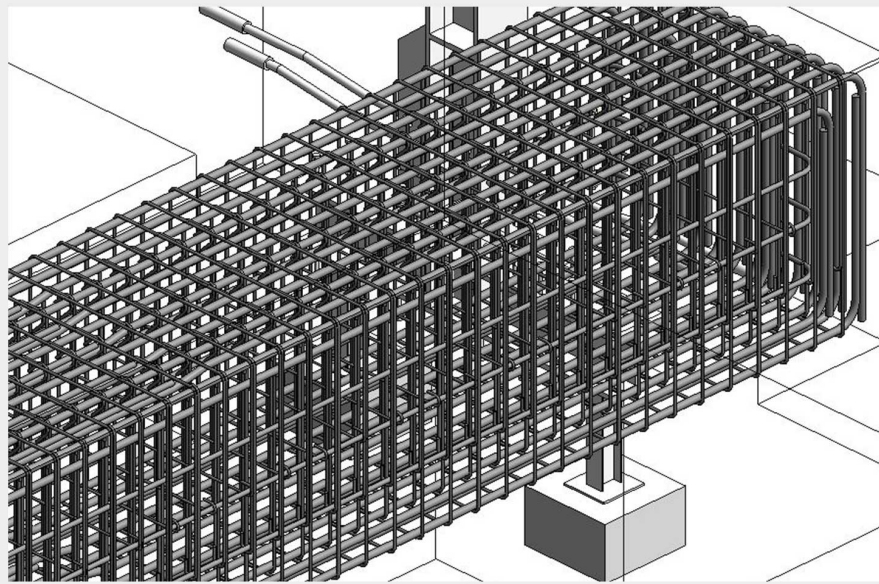


PROJECT DETAILS

Project Description : A 67000m2 sized GIB Production factory constructed at Tauranga. Silicon worked closely with Fletcher reinforcing Rebar modelling the concrete kettle wall, slab and foundation on Revit 3D.



COMMERCIAL PROJECT



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : BR02 Tauranga Highway

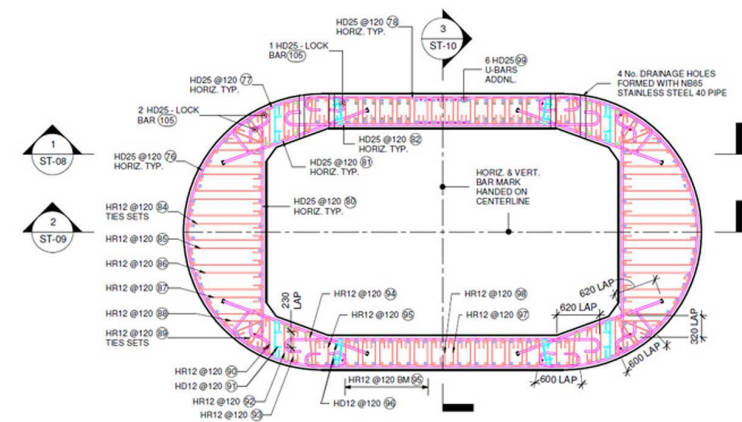
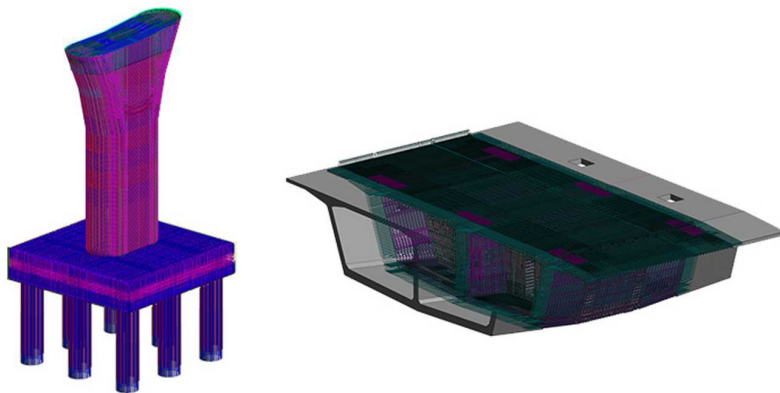
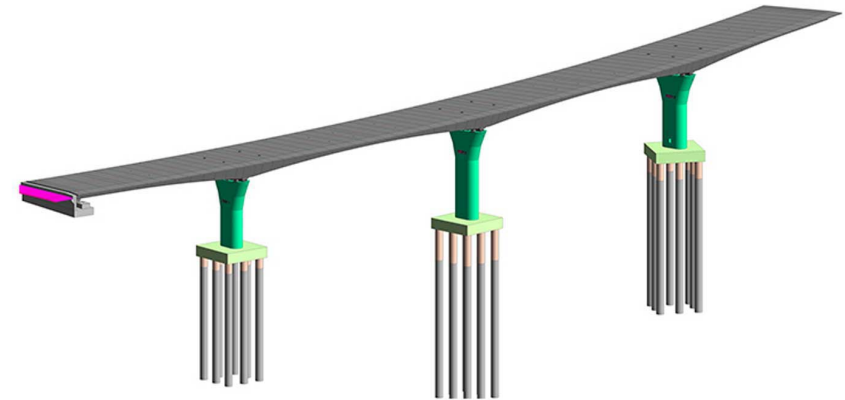
Client : HEB Construction

Project Location : New Zealand

Project Year : 2021

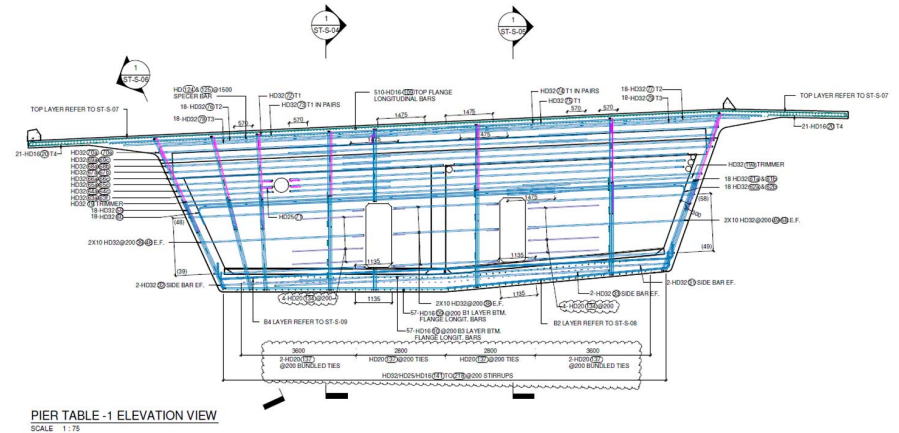
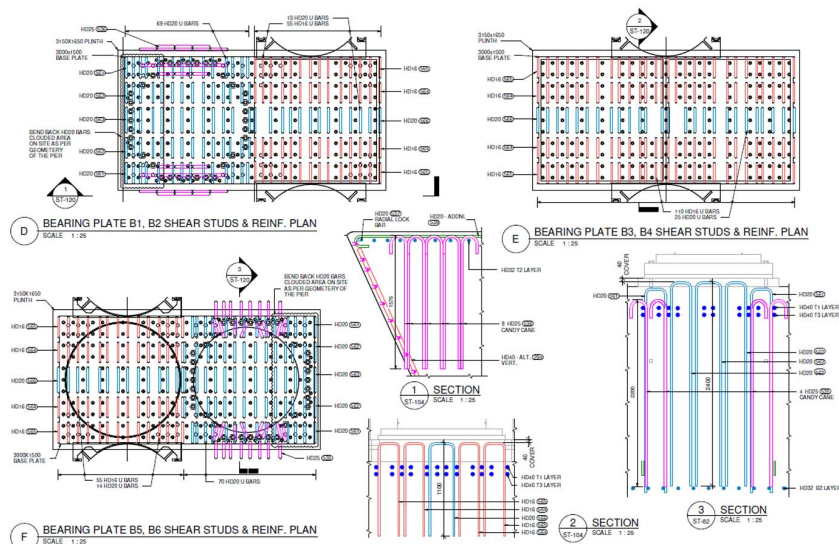
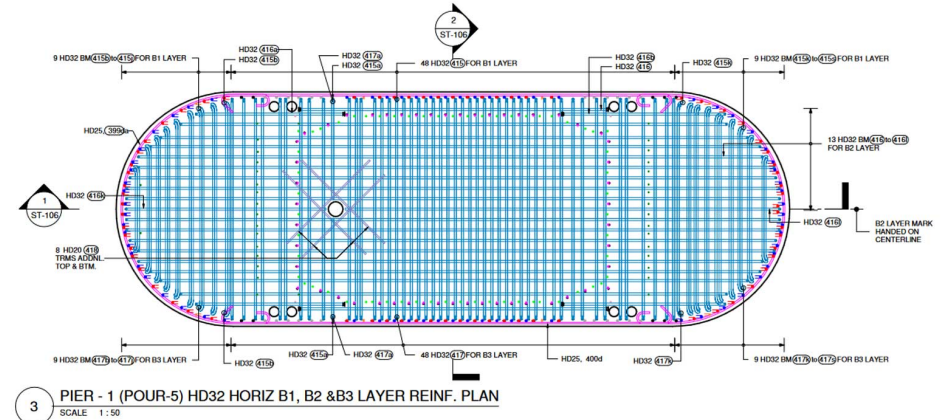
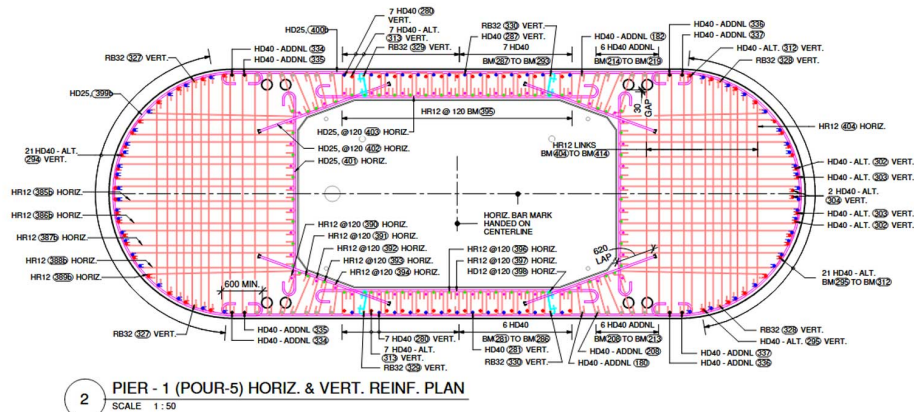
Discipline : Rebar Modelling & Detailing Services

Project Description : A Tauranga highway Bridge constructing over a Manawatū River. It is a 4 span balanced cantilever bridge with variable superstructure. The length of the bridge is 300m long by 26.2m wide. Silicon is closely working on rebar modelling for Superstructure which includes Piers, deck slabs, abutments on Revit 3D.



PIER - 1 (POUR-1) HORIZONTAL REINF. PLAN
SCALE 1:50

COMMERCIAL PROJECT



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : BR03 – Eco Bridge

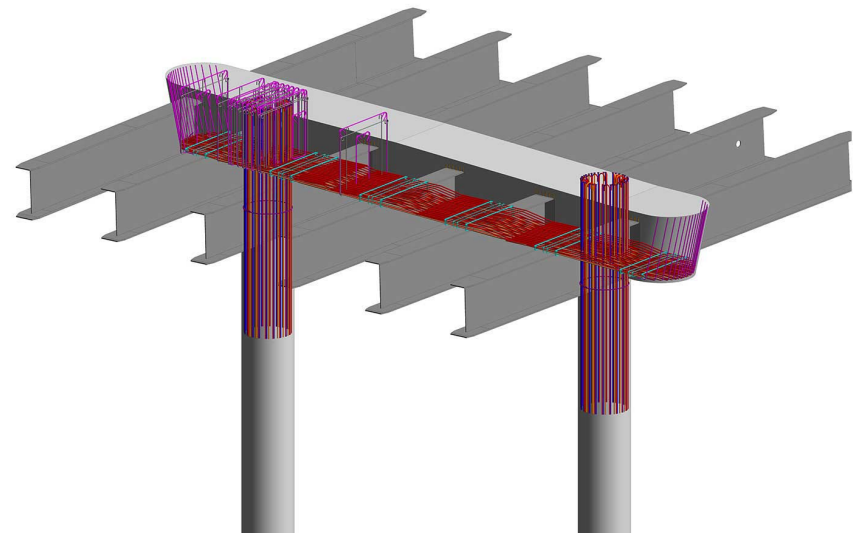
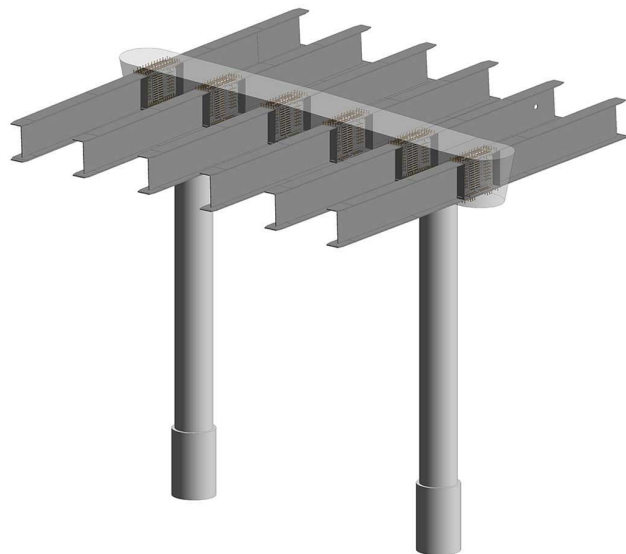
Client : Fulton Hogan

Project Location : NewZealand

Project Year : -

Discipline : Rebar Modelling Service

Project Description : The Te Ahu Turanga: Manawatu tararua highway, four lane eco bridge building on the northern side of the Manuwatu river. Silicon modelled the concrete pierhead in the Revit 3D and produced BBS, clash detection, clash resolves and co-ordination with the client.



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : Peacock Bridge

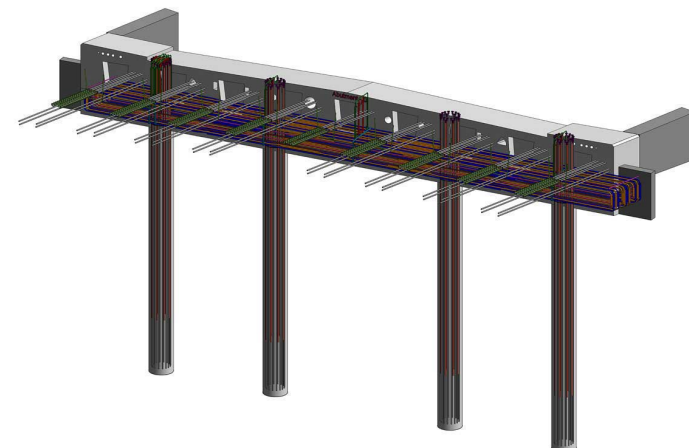
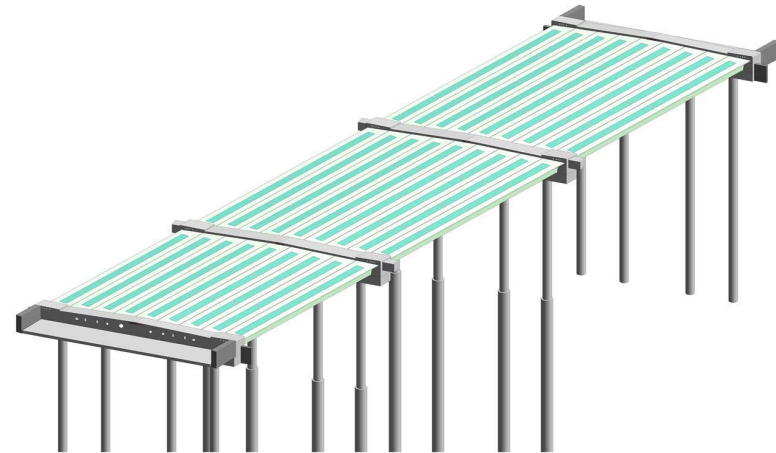
Client : Downer NZ

Project Location : New Zealand

Project Year : -

Discipline : Rebar Modelling & Detailing Services

Project Description : A four-lane bridge constructing over the Waikato River passes to Hamilton. The concrete bridge has a span of 95-110m. Silicon is working closely with Downer NZ, rebar modelling and producing BBS in Revit. It includes clash detections and coordination.



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : ROTORUA ART THEATRE - SHMPAC

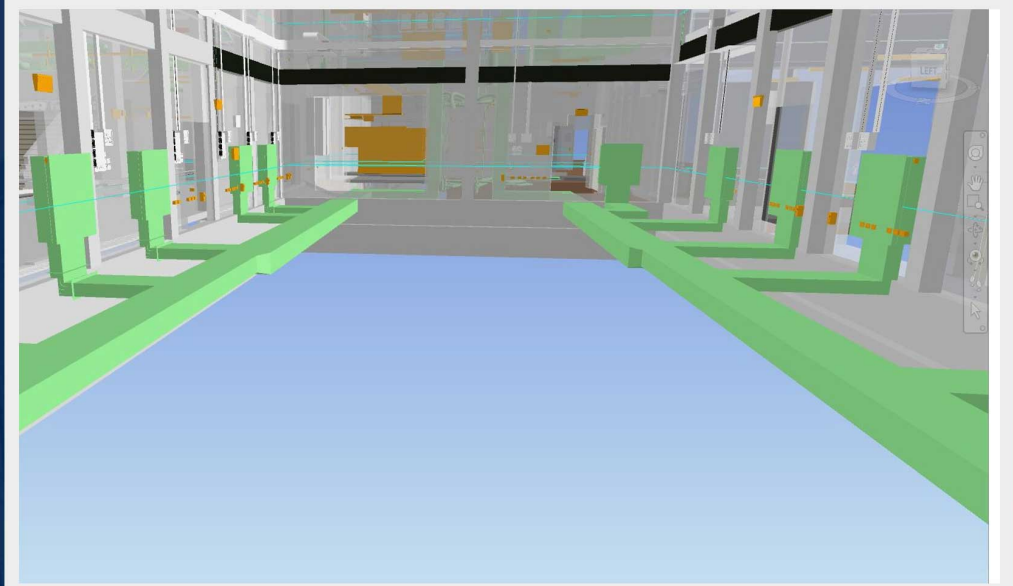
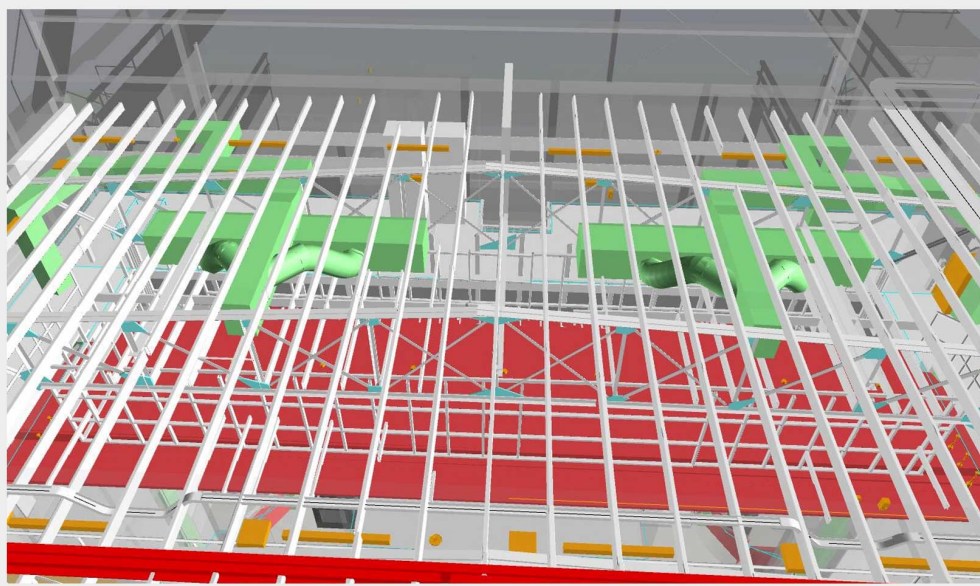
Client : Hawkins

Project Location : NewZealand

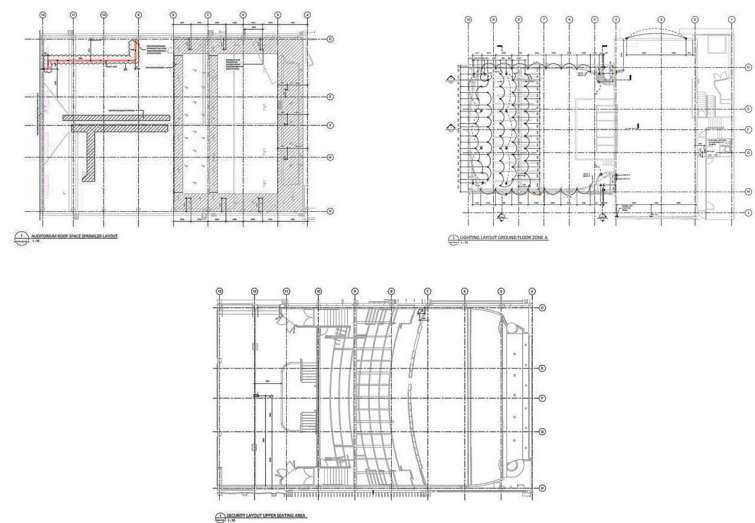
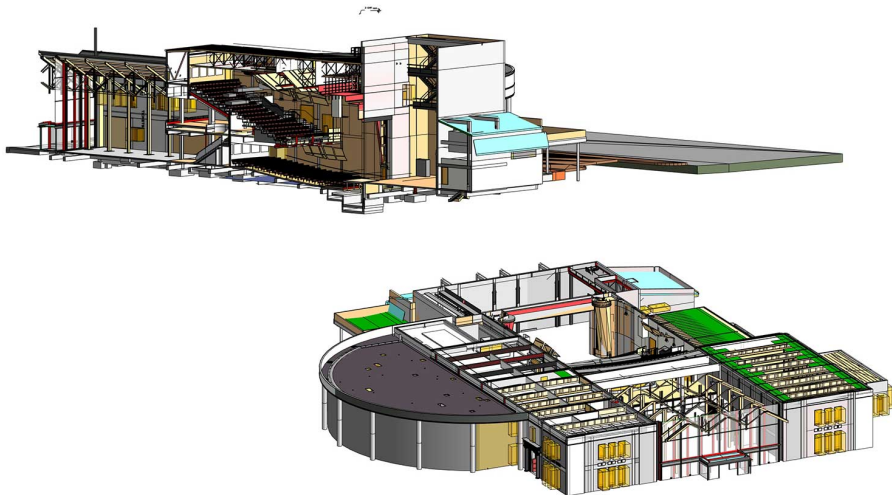
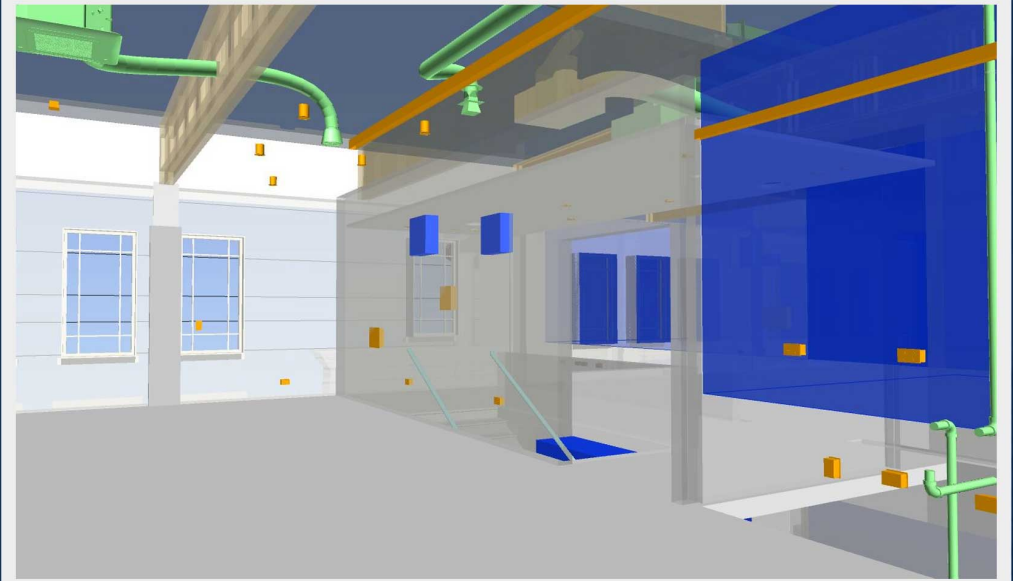
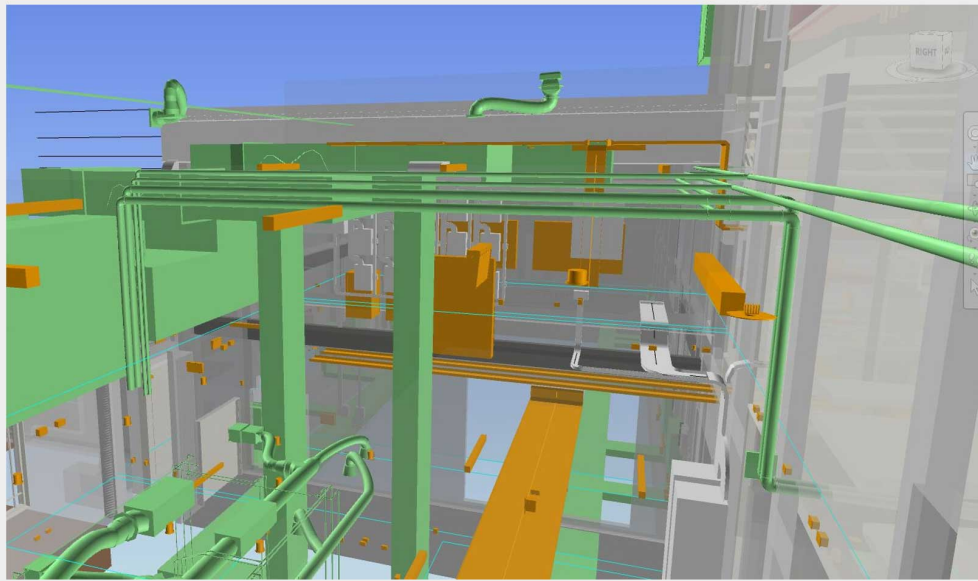
Project Year : 2021

Discipline : MEP Services

Project Description : The Sir Howard Morrison Performing Arts Centre is constructing at Rotorua. Silicon worked with HAWKINS, provided the MEP services in REVIT 3D for the Auditorium, concert chamber and main foyer. The services include shop drawings, co-ordination, and clash eliminations.



COMMERCIAL PROJECT



COMMERCIAL PROJECT

PROJECT DETAILS

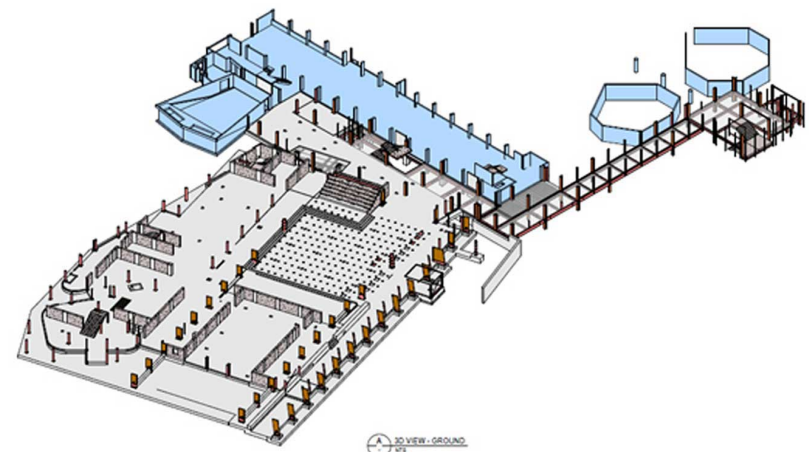
Project Name : THE UNIVERSITY OF WAIKATO

Client : -

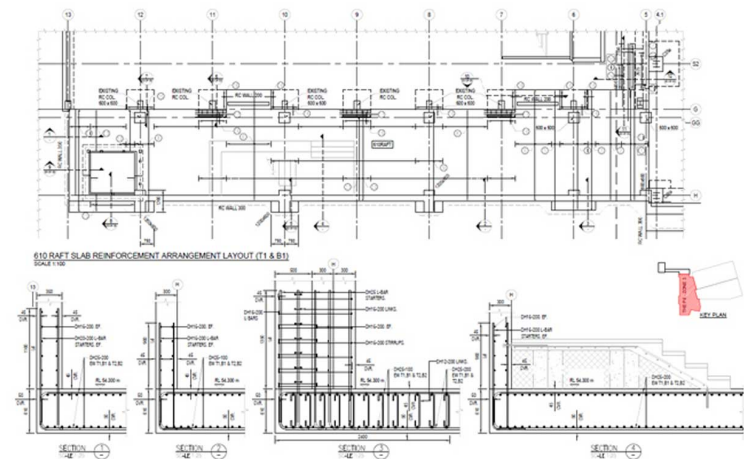
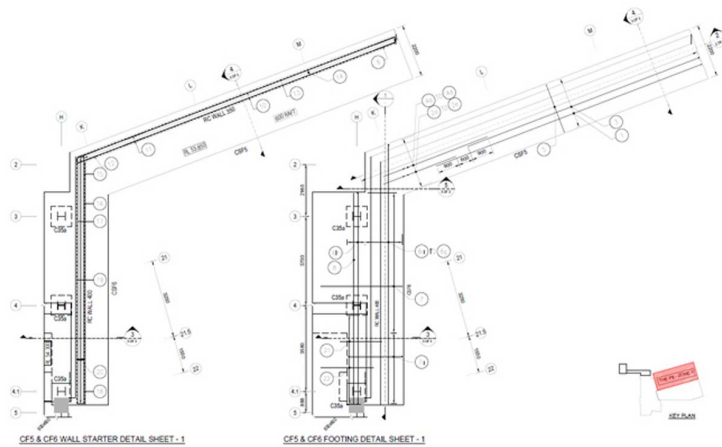
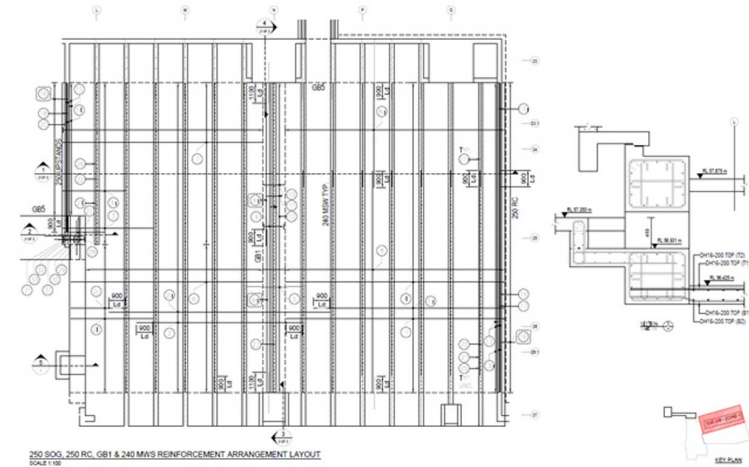
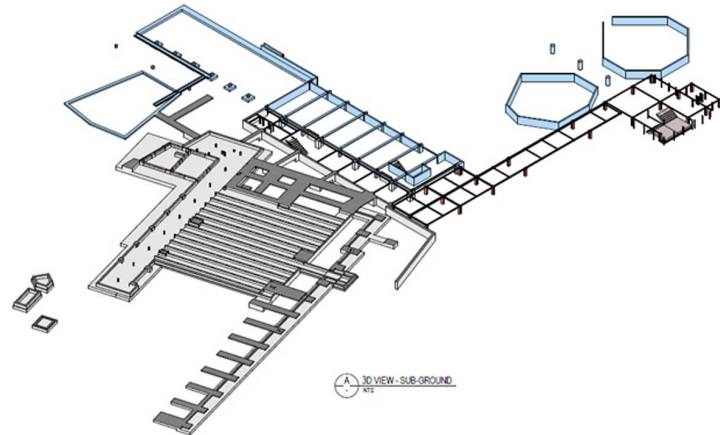
Project Location : NewZealand

Project Year : 2020

Project Description : Rebar Fabrication Services



COMMERCIAL PROJECT



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : Oceania Elmwood

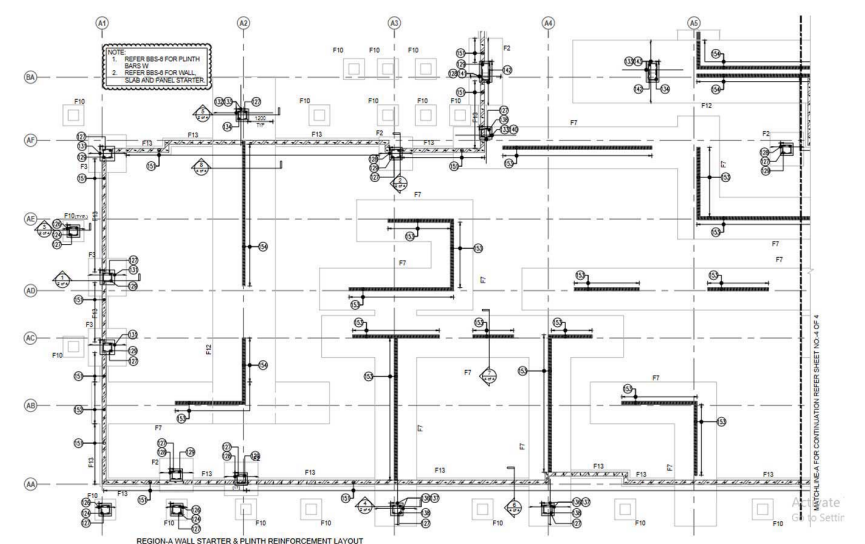
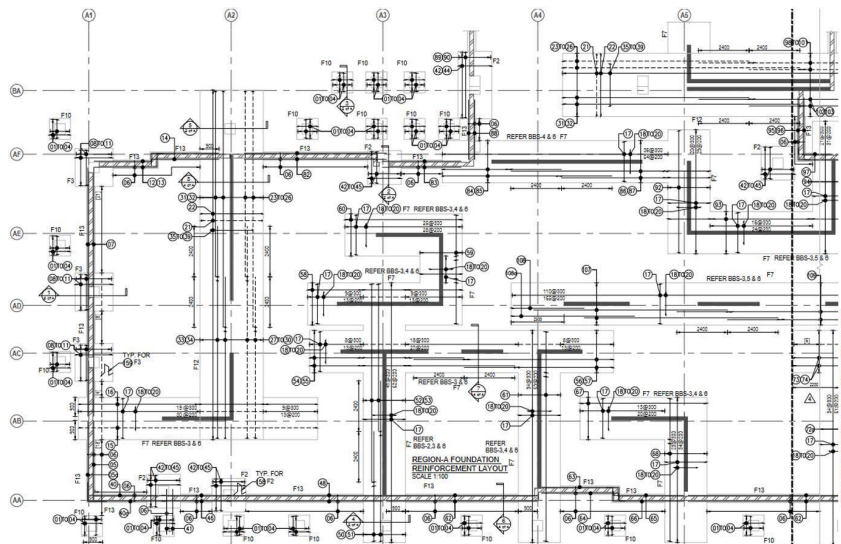
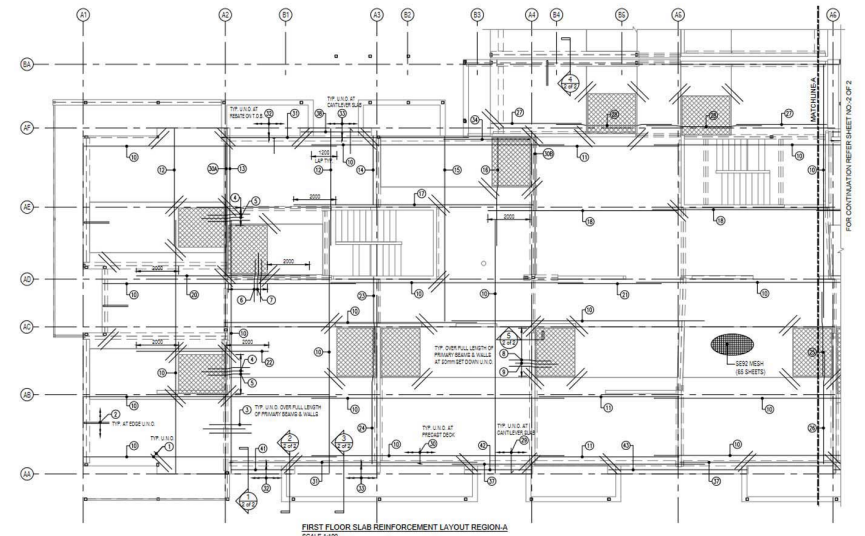
Client: Nauhria Reinforcing

Project Location : NewZealand

Project Year : -

Discipline : Rebar detailing services

Project Description : Oceania Elmwood is an aged care and retirement Living Village. Silicon detailed the Rebar for foundation, columns, beams and slabs, produced the BBS sheets for construction.



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : 787 Highbrook Riverside Warehouse

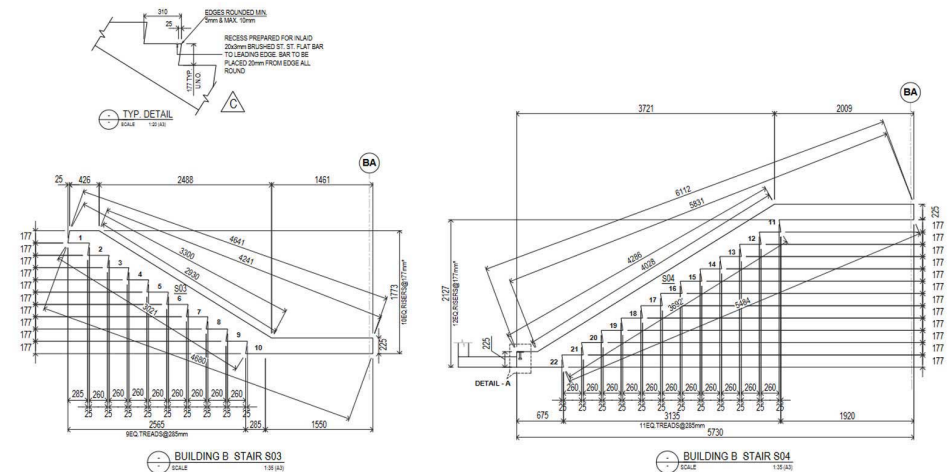
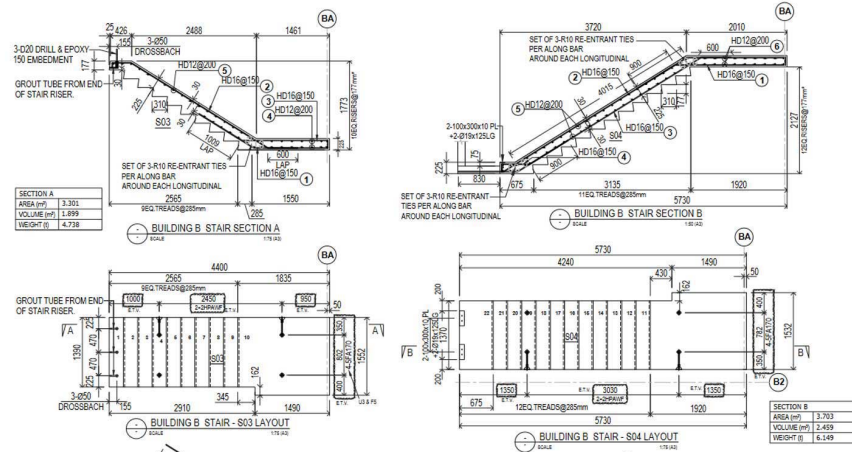
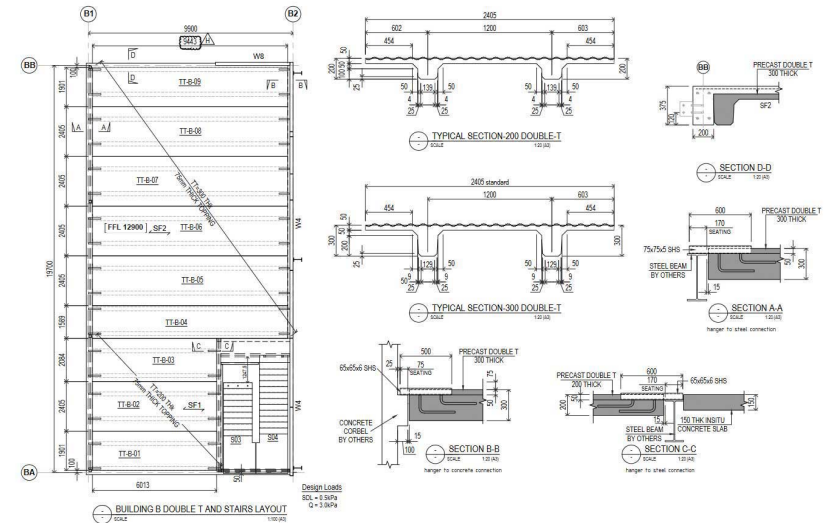
Client : Wilson Precast

Project Location : New Zealand

Project Year : 2022

Discipline : Precast Shop drawing

Project Description : 787 Highbrook Riverside is a warehouse constructed by Wilson precast. Silicon detailed the Precast stairs and provided the shop drawing for construction.



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : McLeod Green

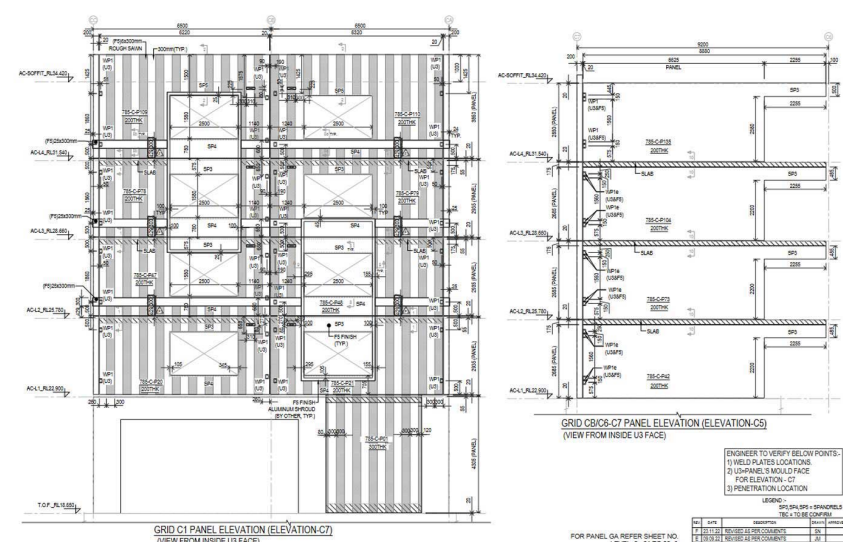
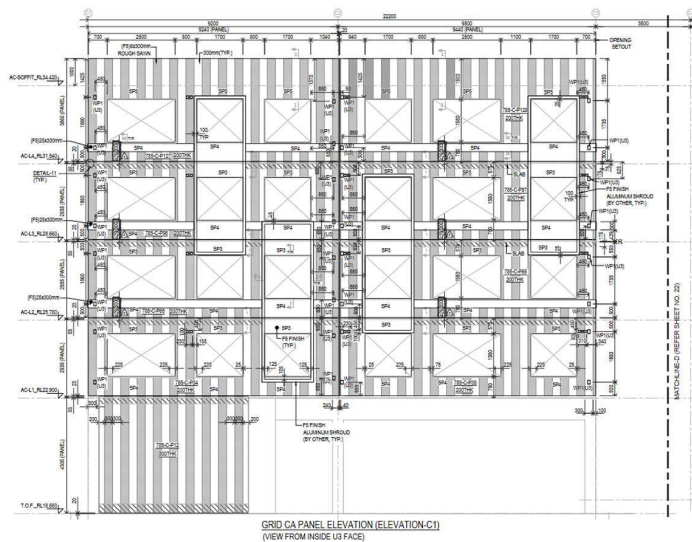
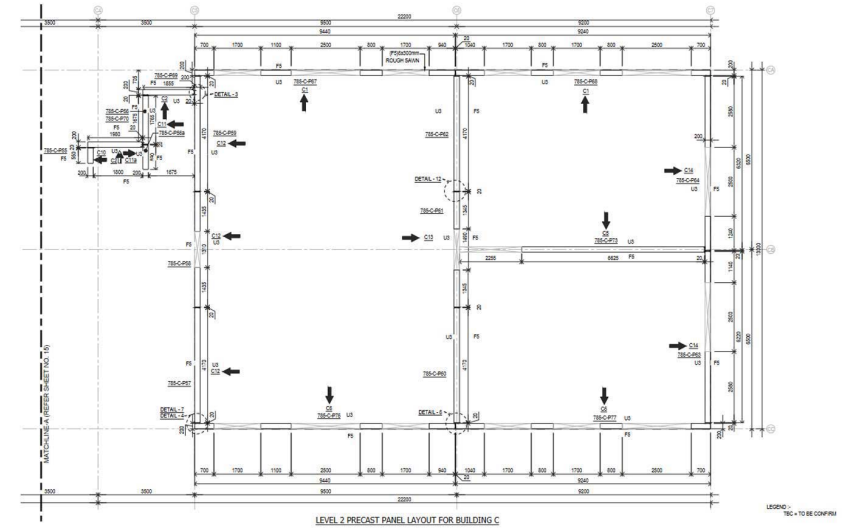
Client Name : Wilson Precast

Project Location : New Zealand

Project Year : 2022

Discipline : Precast Shop drawing

Project Description : McLeod Green is terraced housing development located at Te Atatu South. Silicon detailed the Precast walls and provided the shop drawing for construction.



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : Porters Avenue Footbridge

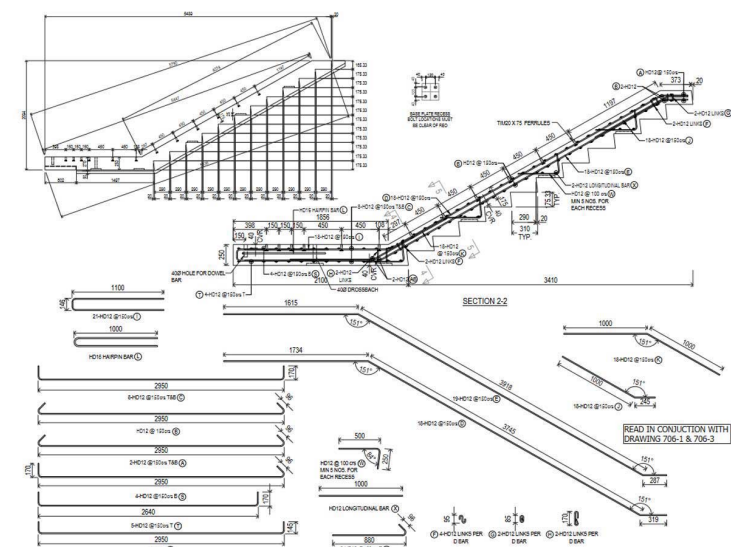
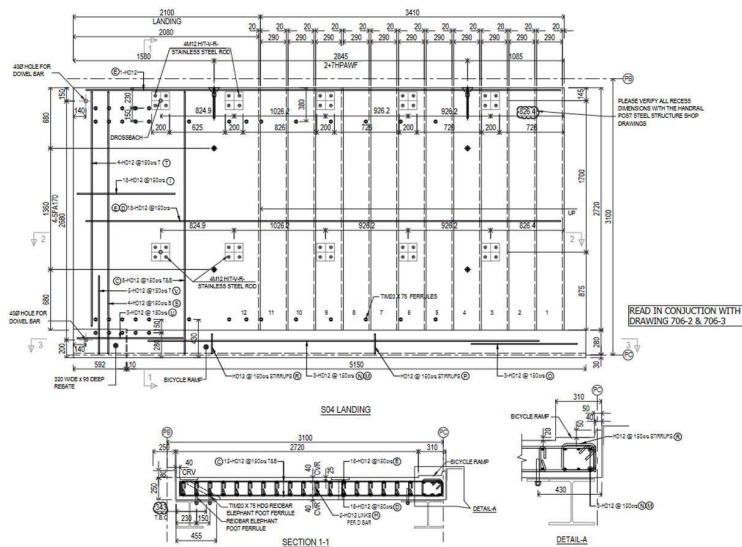
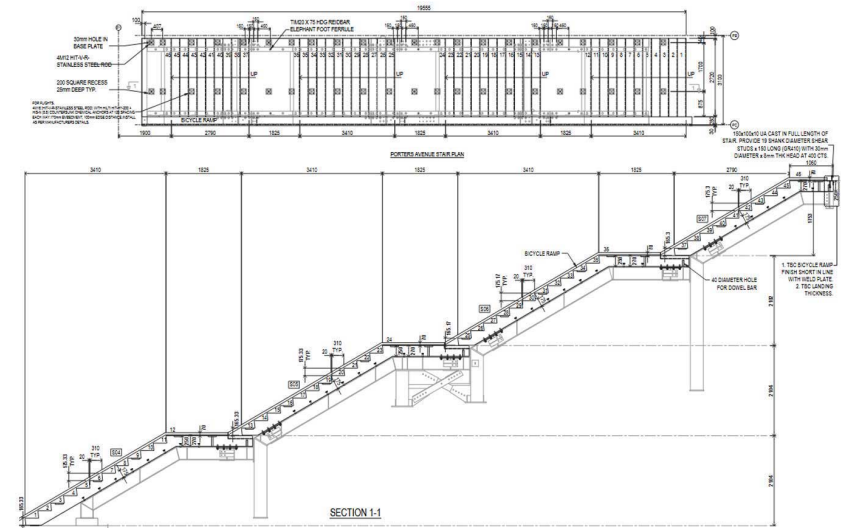
Client : Wilson Precast

Project Location : New Zealand

Project Year : 2022

Discipline : Precast Shop drawing

Project Description : Porter avenue footbridge is a CRL project worked alongside with Wilson precast. Silicon detailed the Precast reinforcement and provided the shop drawing for construction.



COMMERCIAL PROJECT

PROJECT DETAILS

Project Name : Seascape project – 85 Customs street

Client: Apex Air / CCNZL

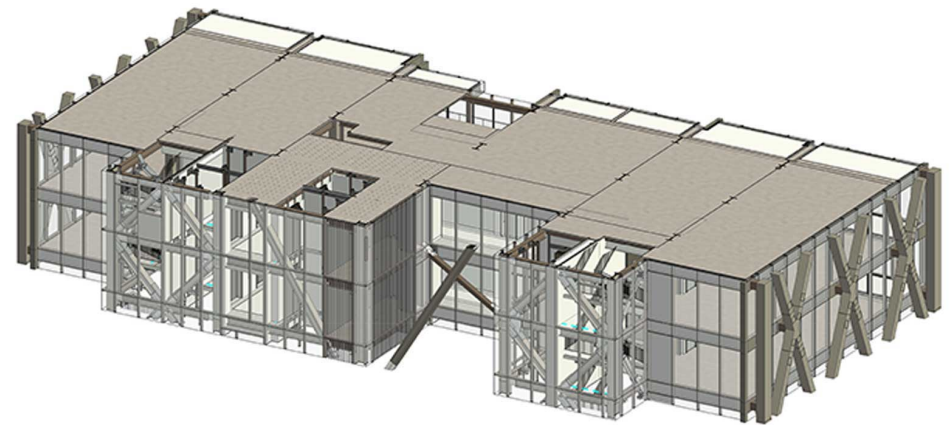
Project Location : Auckland

Project Year : 2021

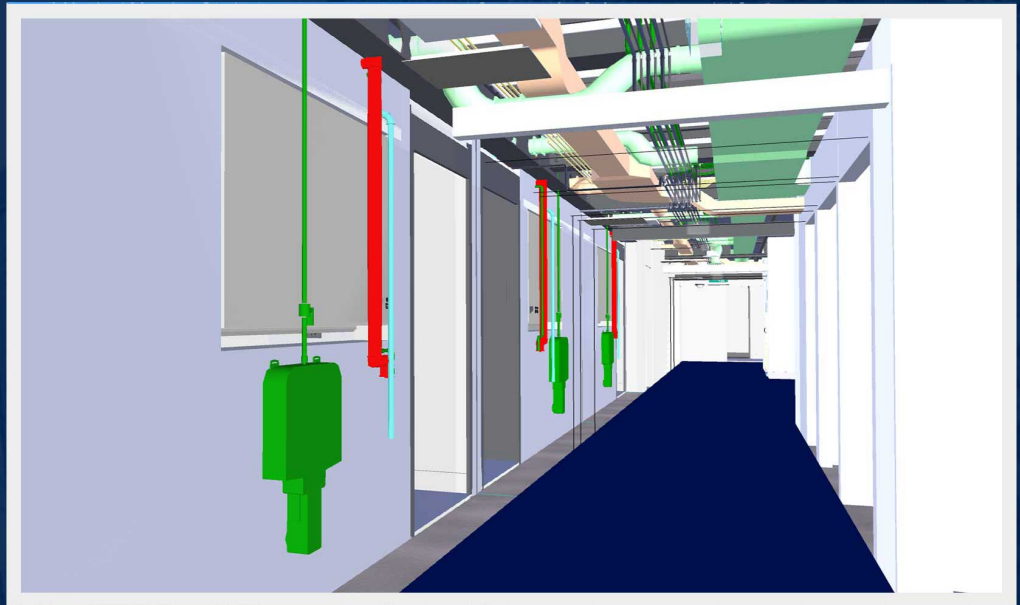
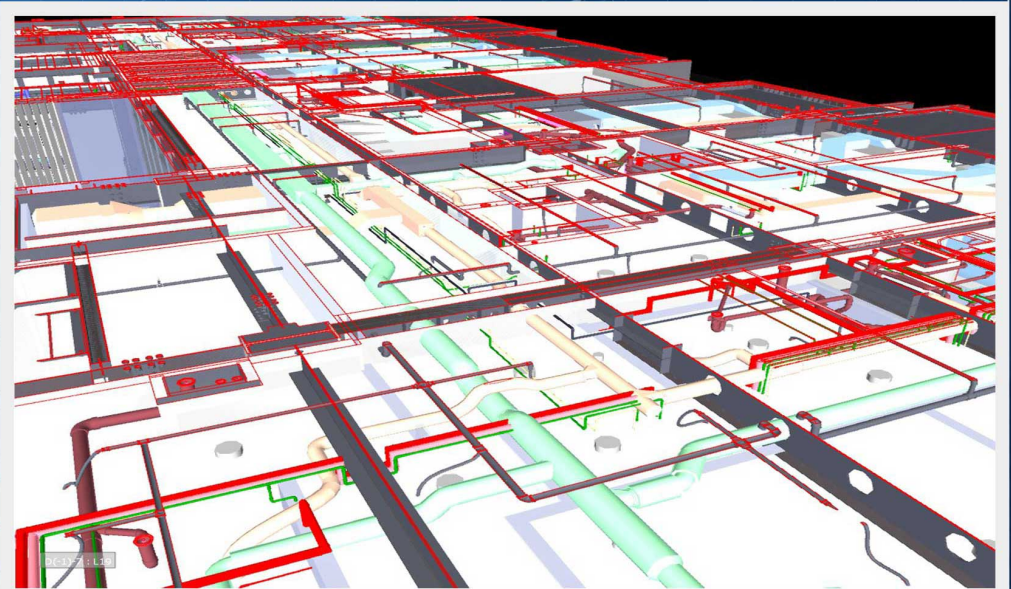
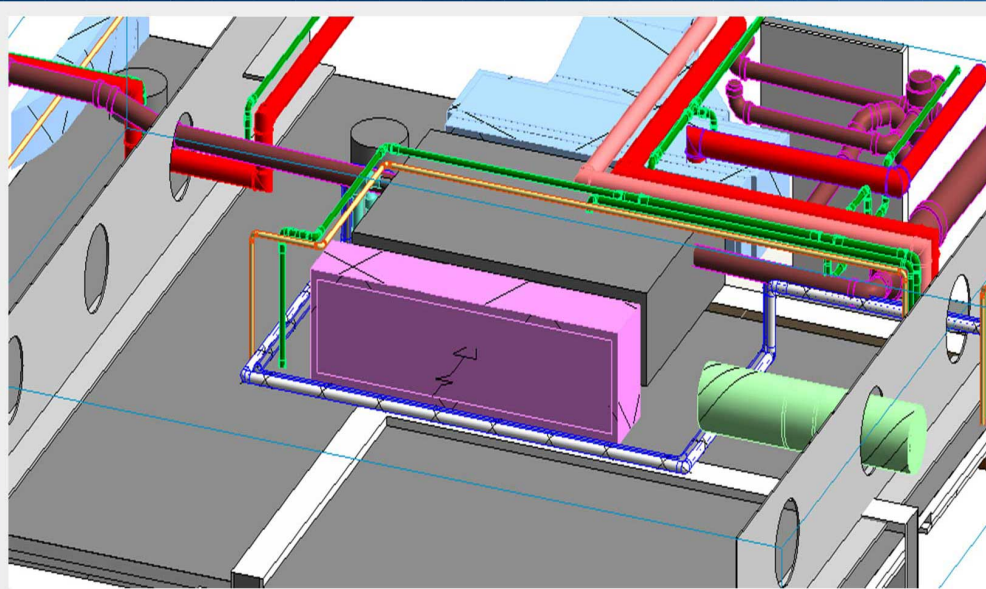
Discipline : Building Information Modelling

Project Description : Seascape is the largest residential skyscraper project, consisting of 56 floors which is building at 85 Custom streets, Auckland.

Silicon worked closely with China construction/Apex Air, modelling the MEP services, and BIM Coordination on BIM 360.



COMMERCIAL PROJECT





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Tel: 08 71303063 **Mob :** 0431 334 750

Email: panchal@siliconec.com.au

