



BIM PORTFOLIO

DRAWN BY:
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PROFESSION:
BIM SPECIALIST

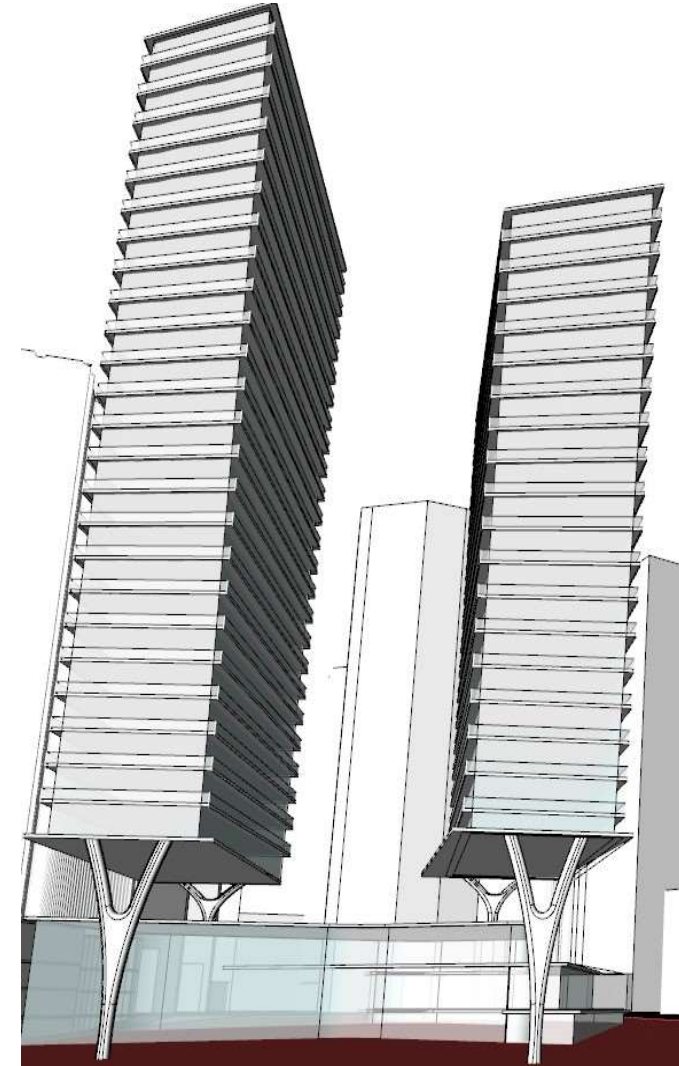


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DOCUMENTATION

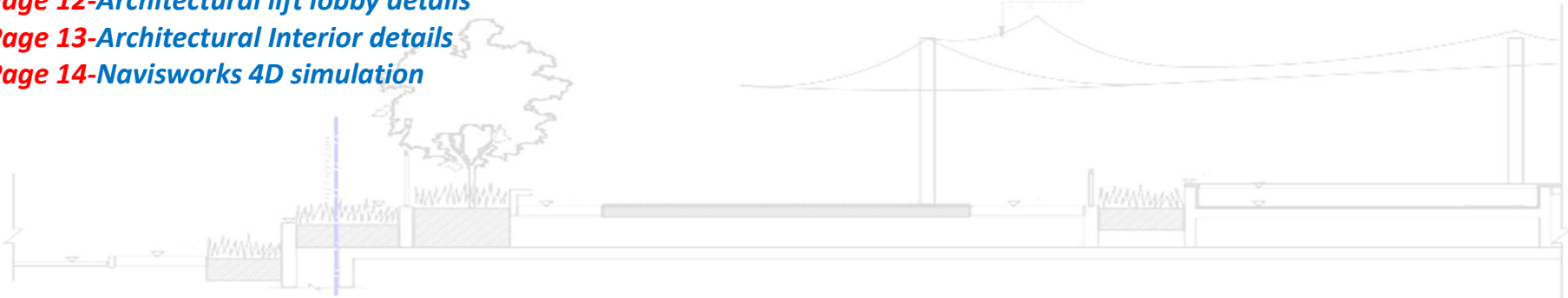
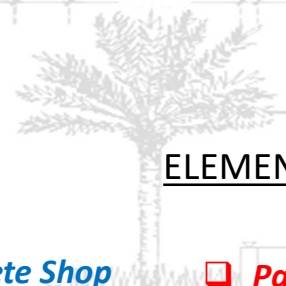
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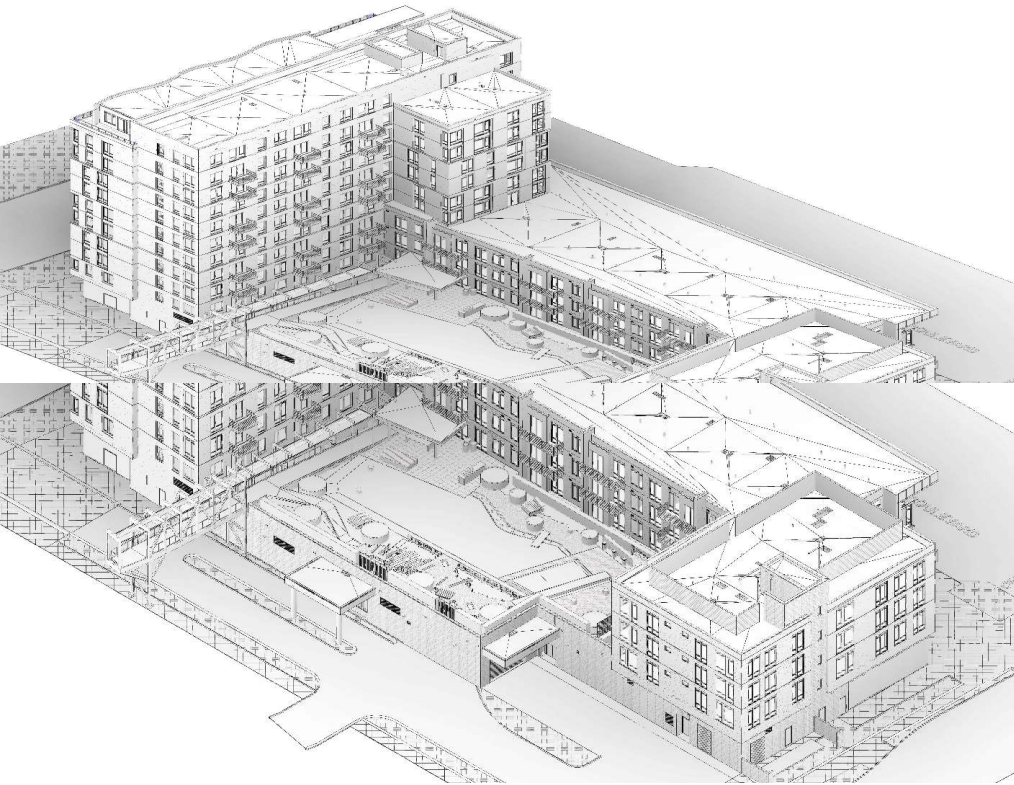


THE BISHOP'S SCHOOL MANCHESTER LIBRARY AND LEARNING CENTER

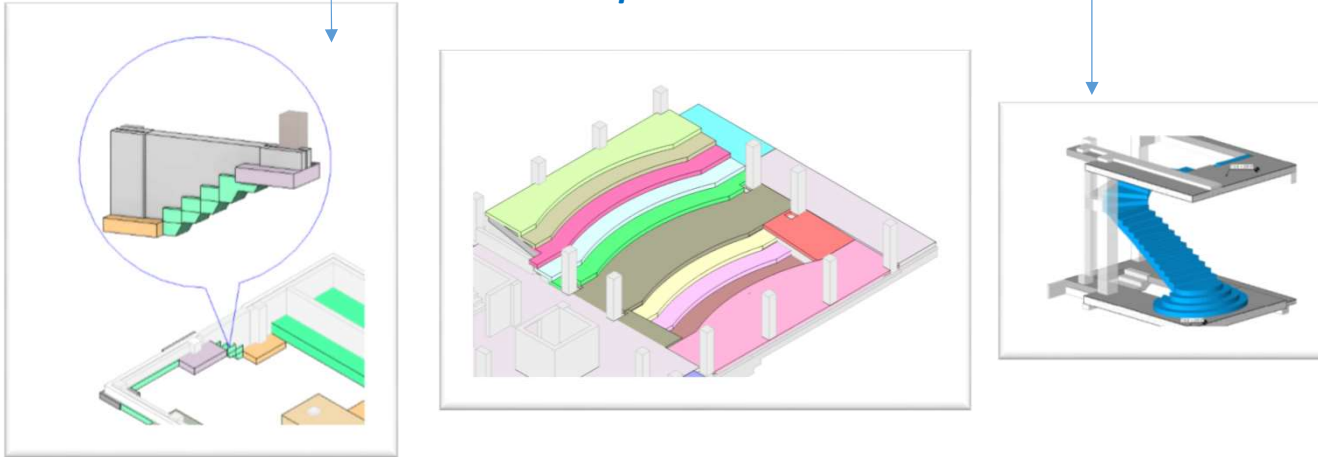


- THE MANCHESTER LIBRARY AND LEARNING CENTER IS A THREE-LEVEL BUILDING, TWO LEVELS ABOVE-GRADE AND A SINGLE LEVEL BELOW GRADE
- LOCATION: LA JOLLA, CA
- YEAR: 2012
- SIZE: 22,000 SF
- TEAM SIZE :6

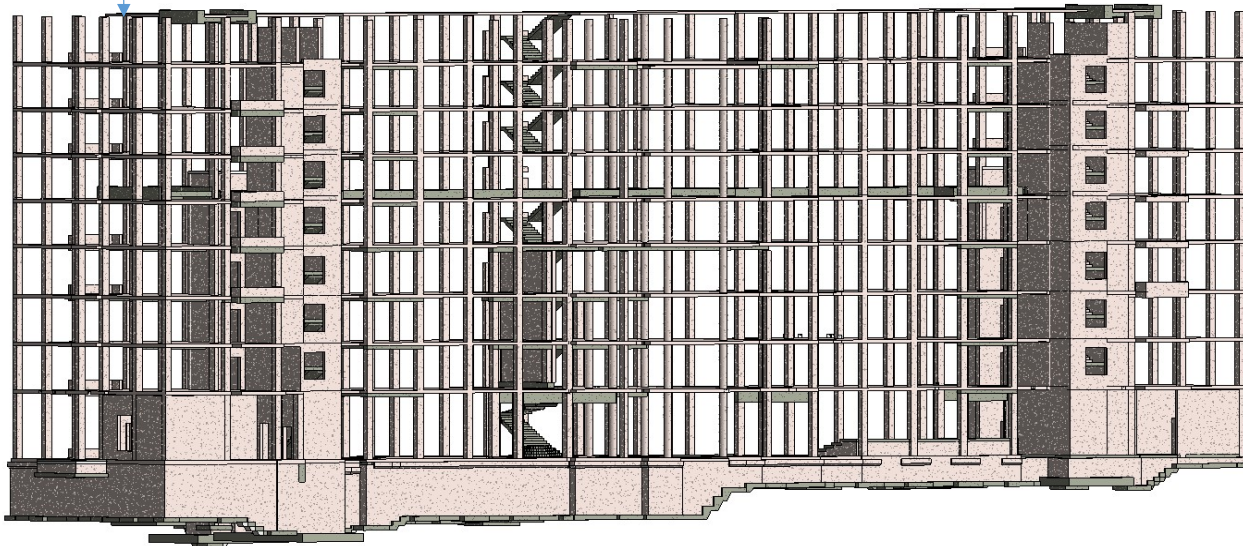
Architectural Details Model



Blowup details 3D View



New Residence Hall & Campus Center



❑ **Project :** New Residence Hall & Campus Center

❑ **Client:** Manhattan Construction Group

❑ **Project Address:** Located in North Bethesda, Maryland, Washington

❑ **Area :** 193544 Sq. Ft.

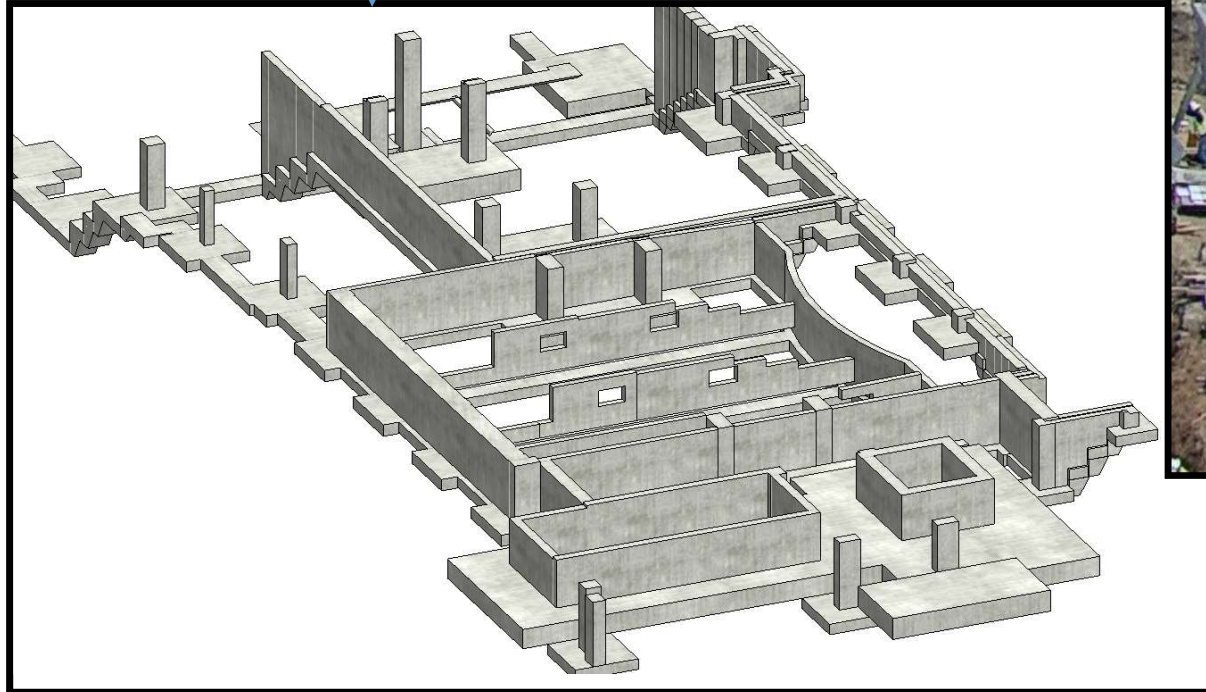
❑ **Trade Cover:** Concrete

❑ **Project Type :** School Building

❑ **BIM Usage:** 3D modeling & shop drawings

❑ **Project start date:** 10 March 2021

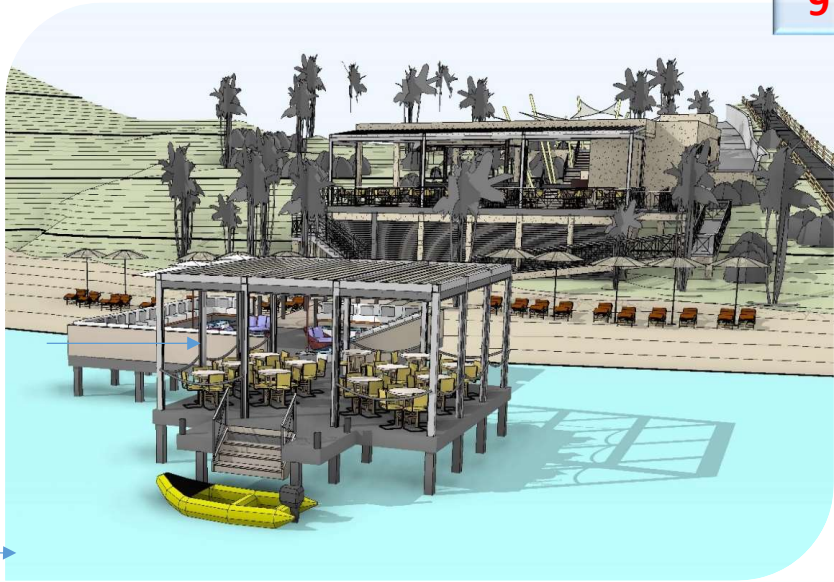
BIM Model vs. Actual Construction



THE DENVER ZOO ZOOLOGICAL GARDEN IN DENVER, COLORADO



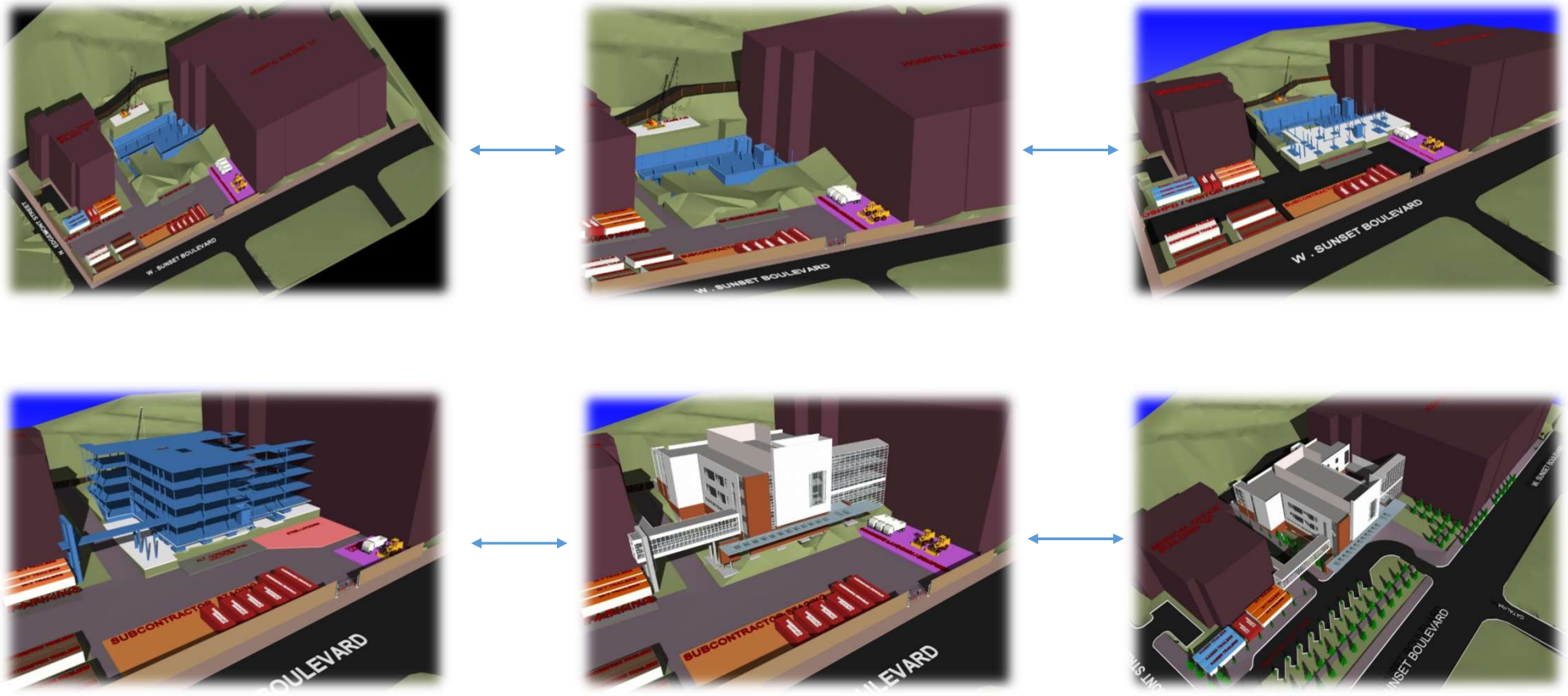
- THE DENVER ZOO IS AN 80-ACRE ZOOLOGICAL GARDEN LOCATED IN
- LOCATION: CITY PARK OF DENVER, COLORADO, UNITED STATES
- YEAR: 2011
- TEAM SIZE :3



Site model with Contour surface

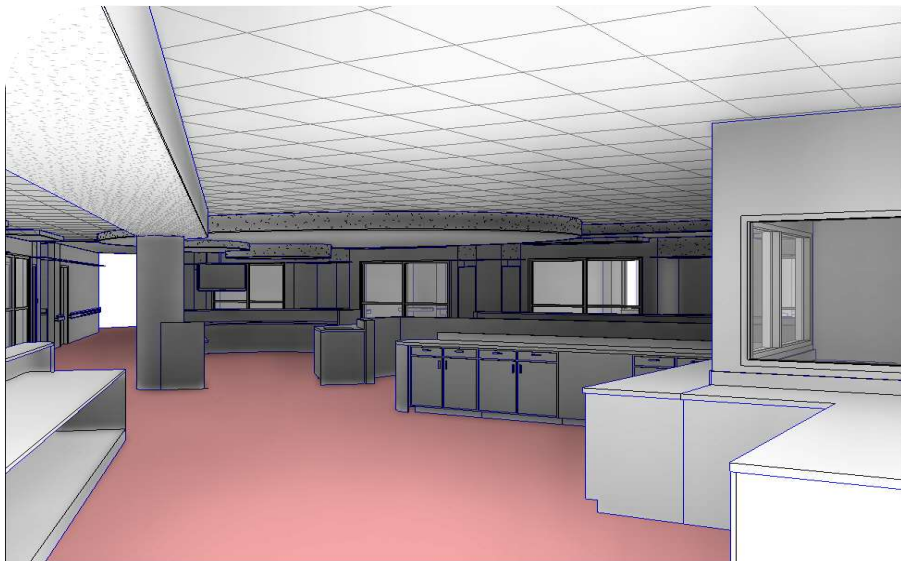


Architectural presentation model stage by stage surface



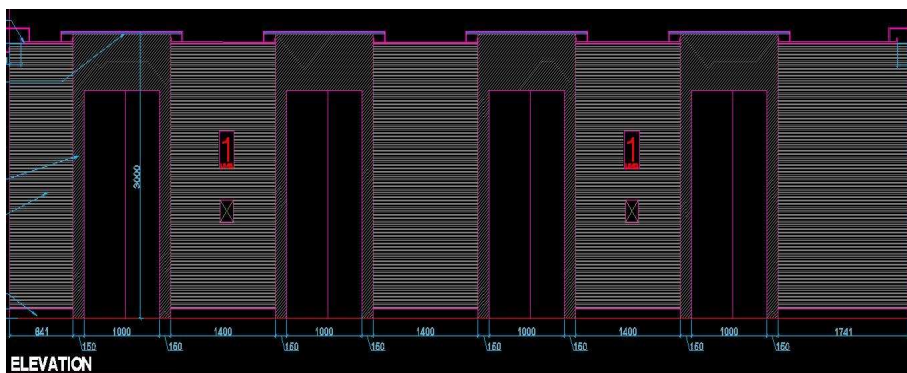


Architecture mockup model



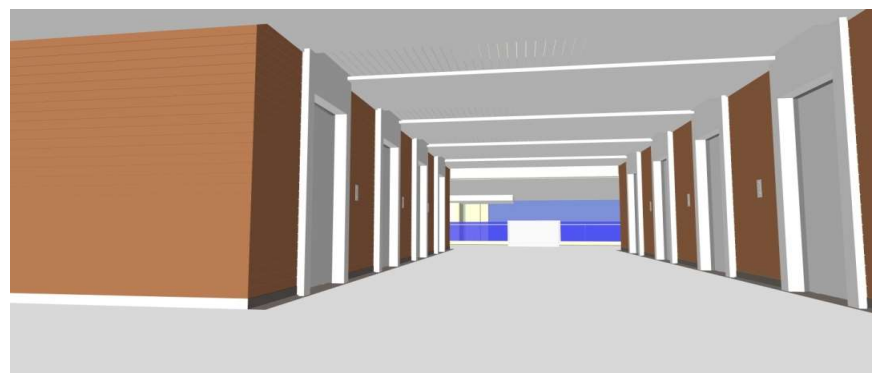
Architectural lift lobby details

Input reference



Cad detail

BIM Output

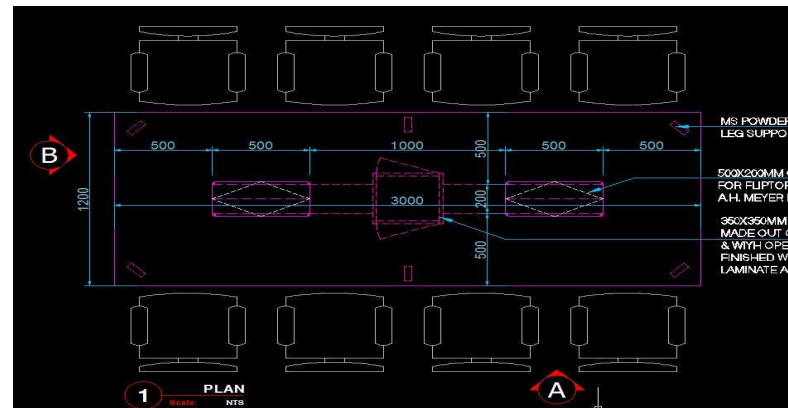
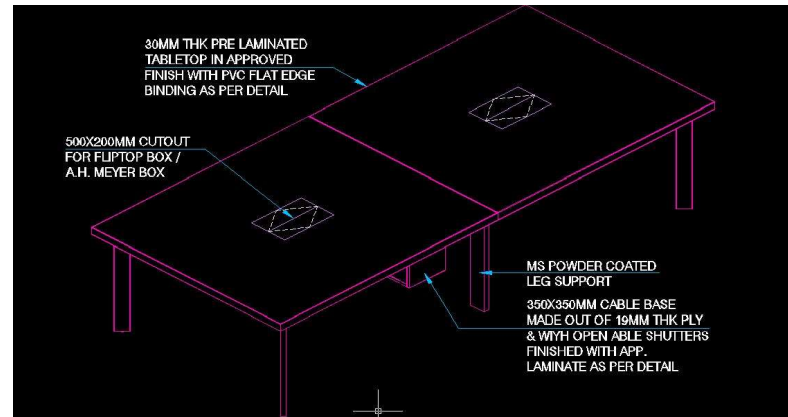


Architectural Interior details

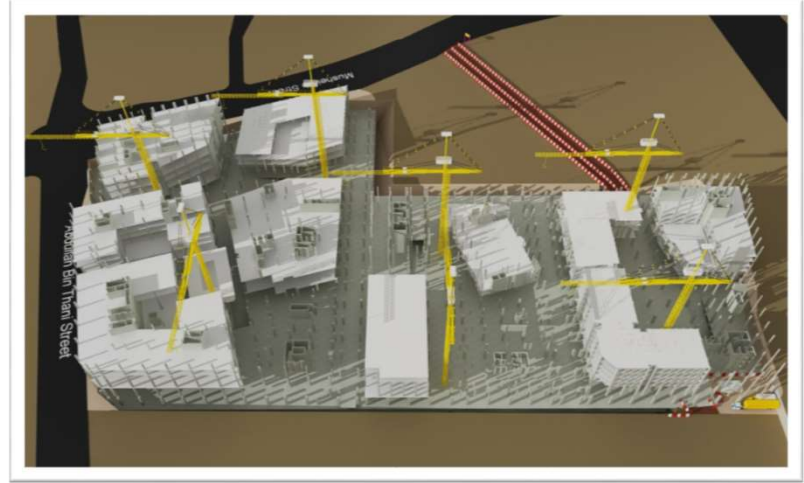
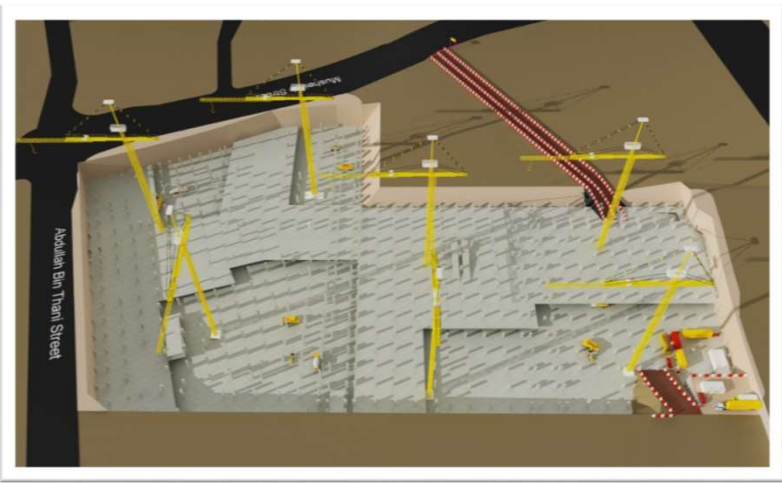
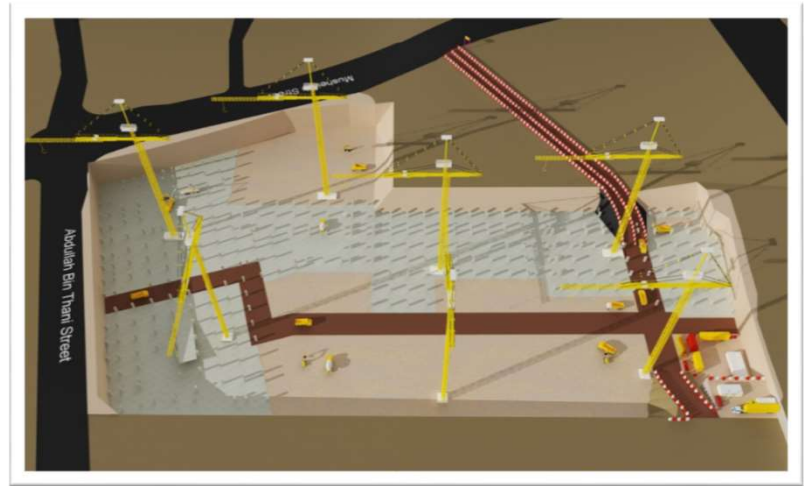
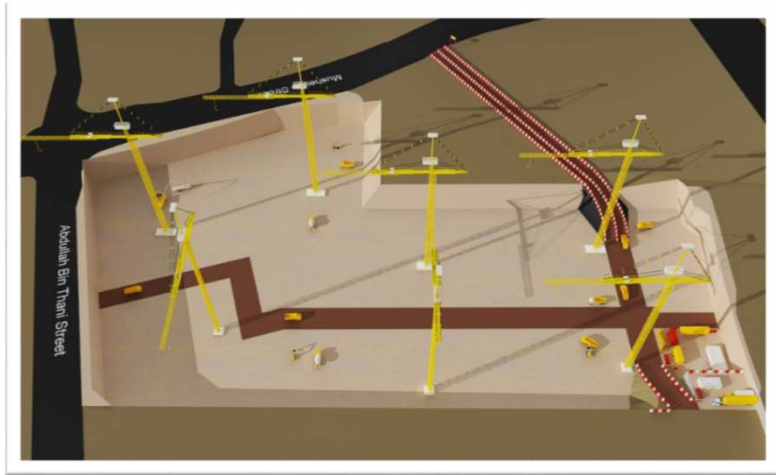
Model detail



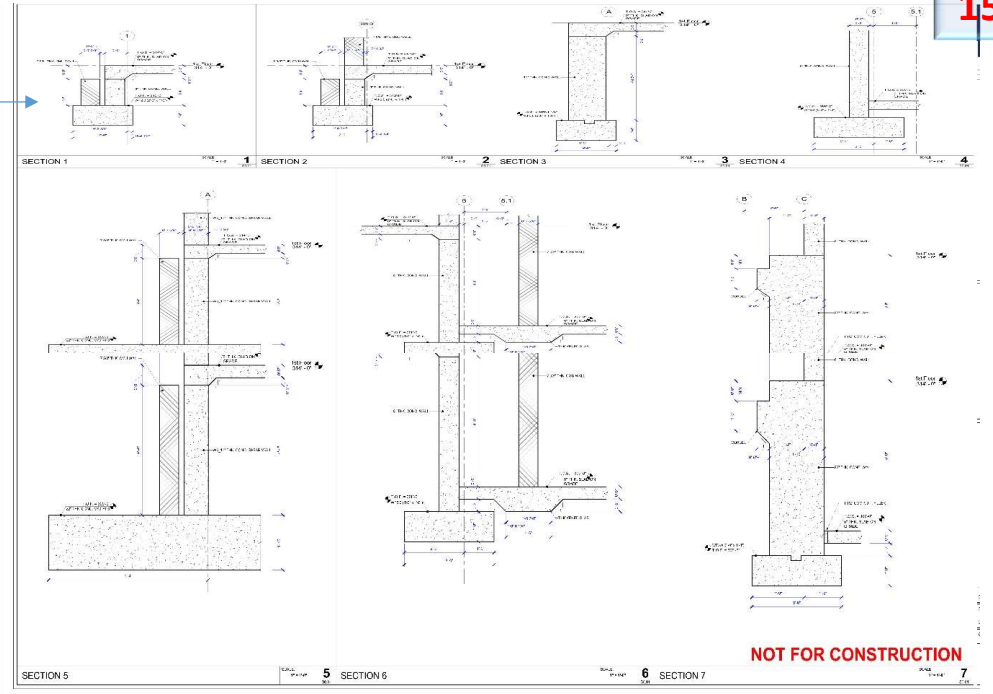
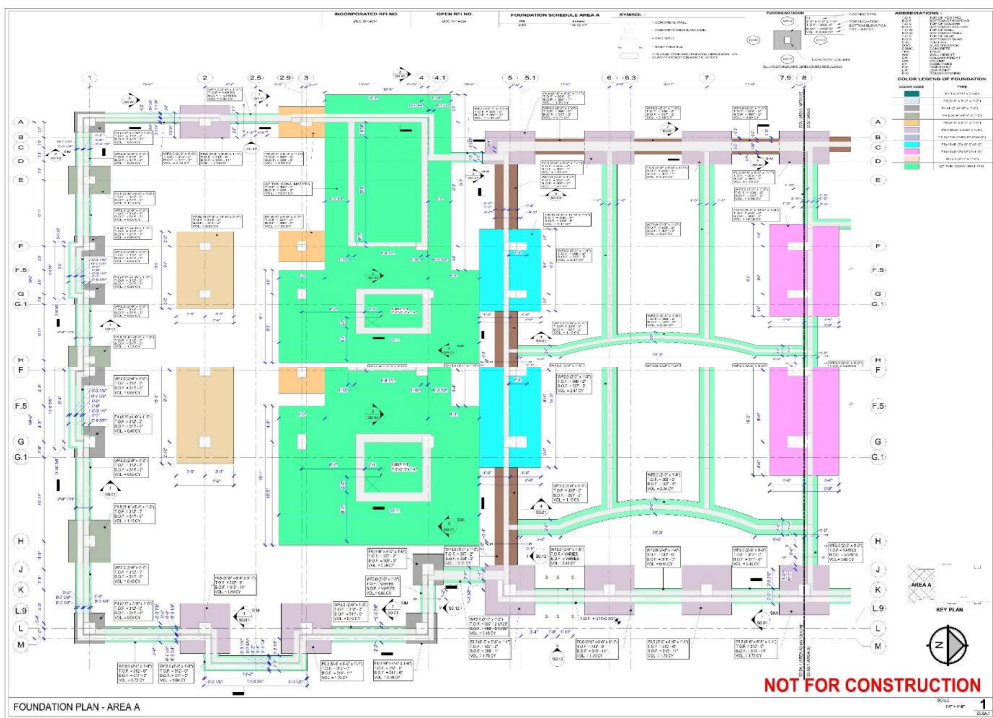
Input cad detail



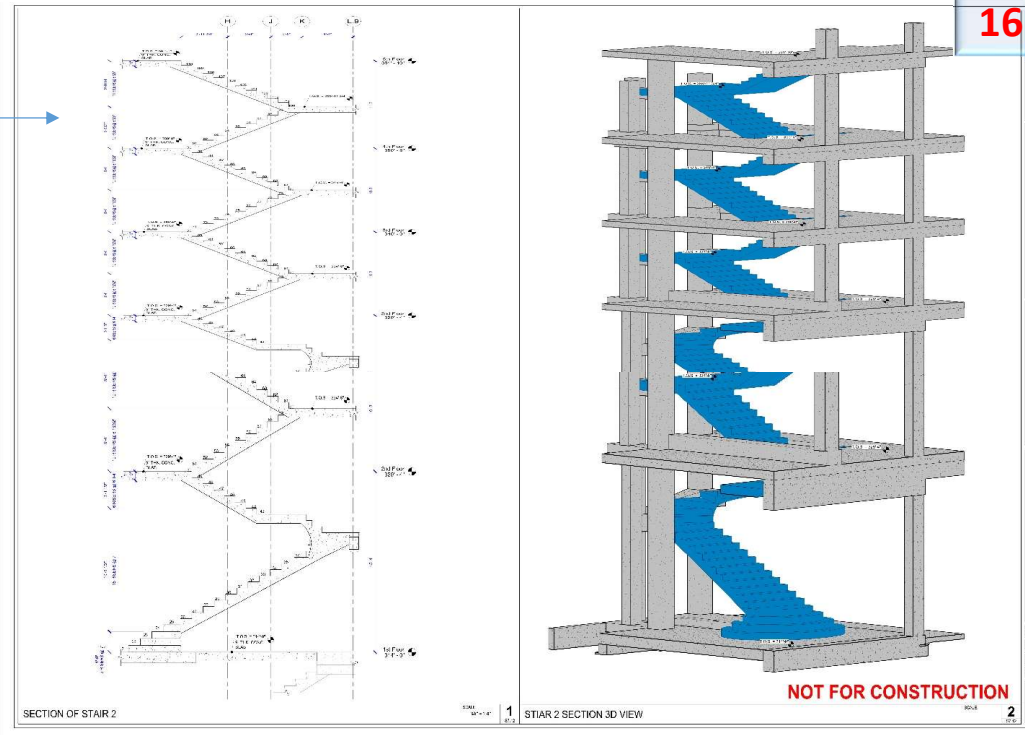
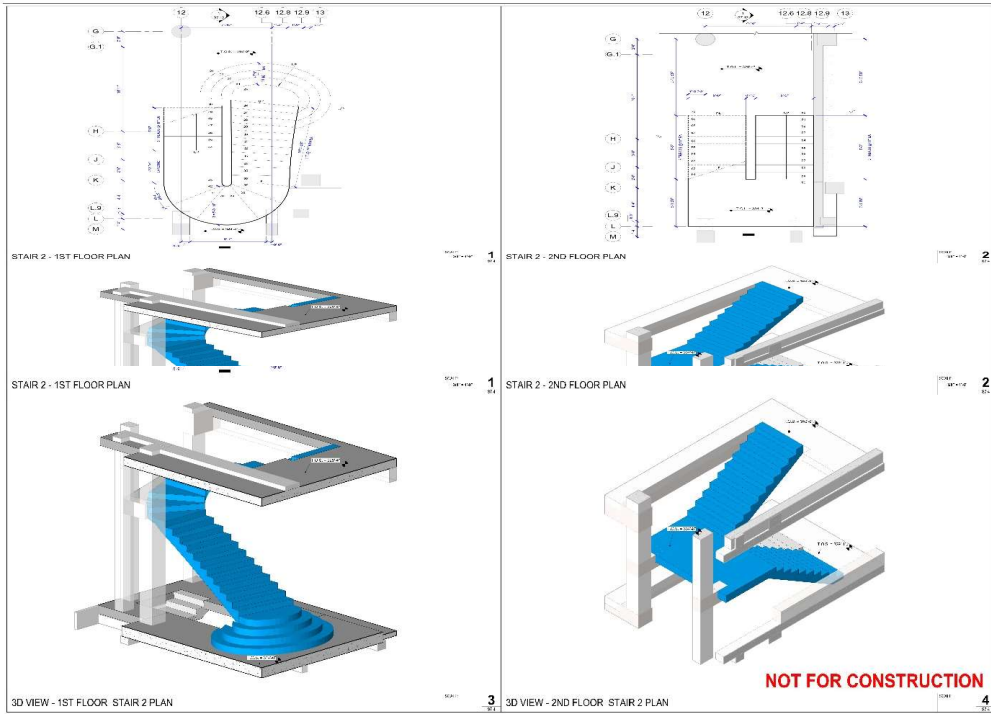
Navisworks 4D simulation

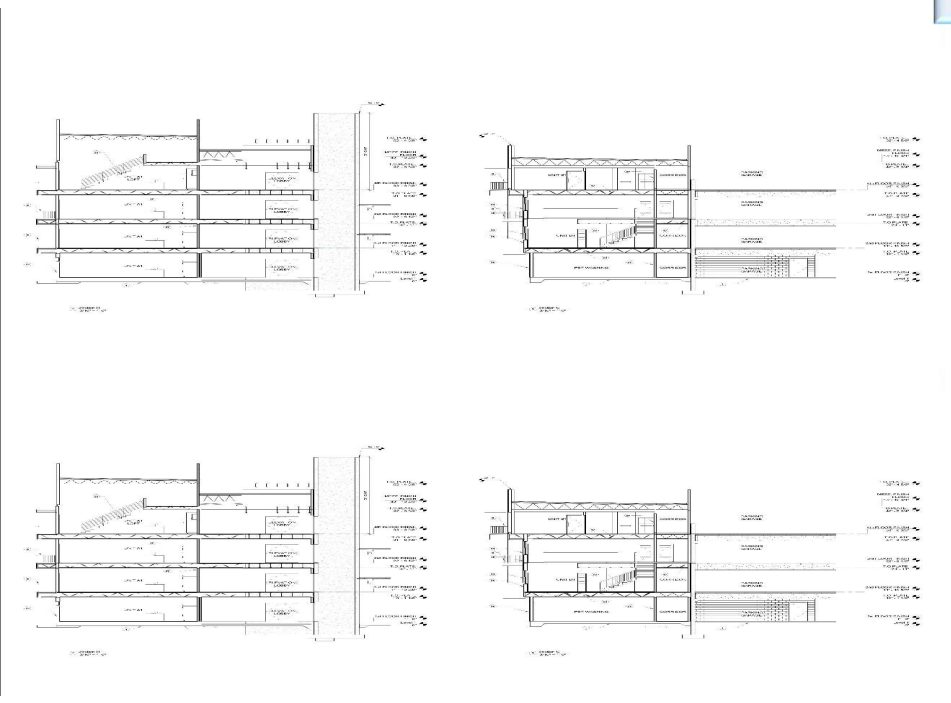
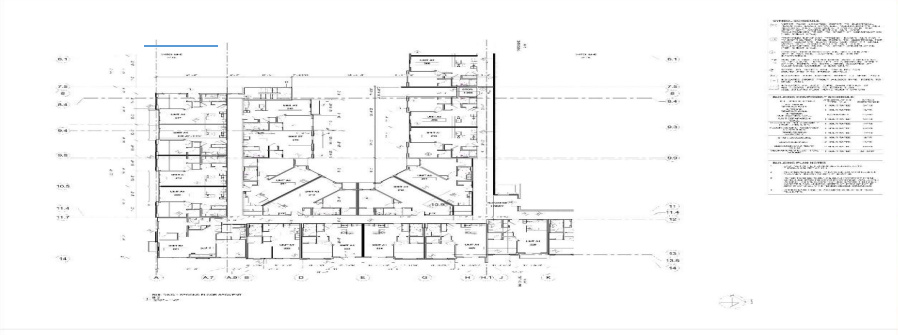
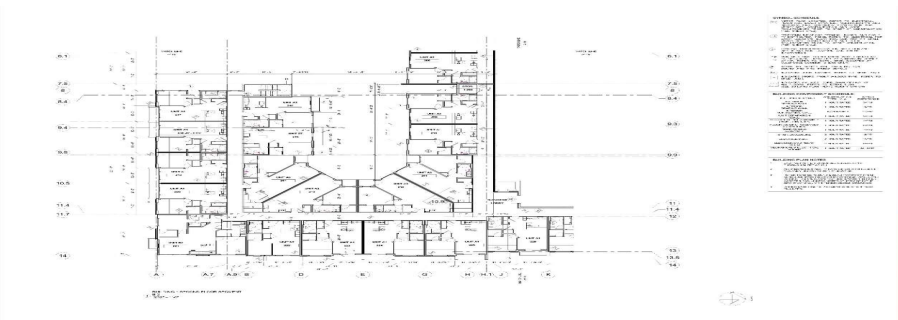
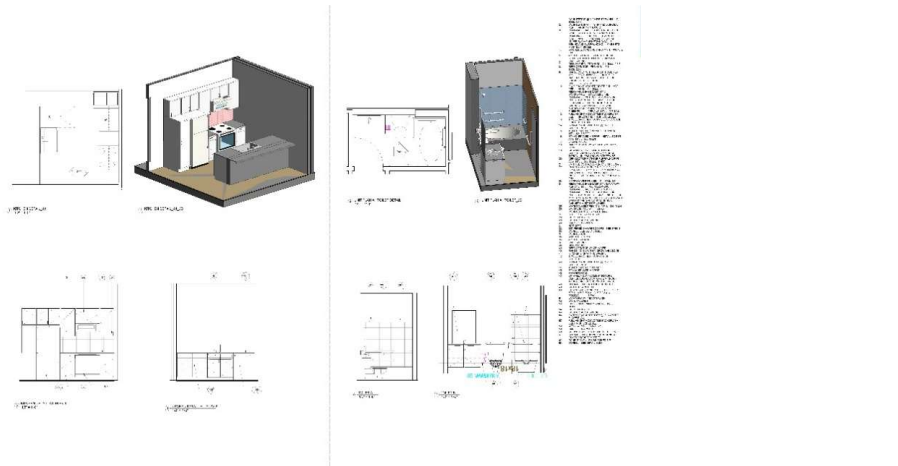


Concrete Shop drawing & Detail



Concrete Stair drawing & Detail

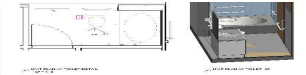
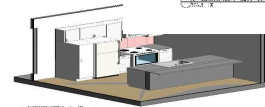
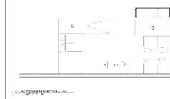
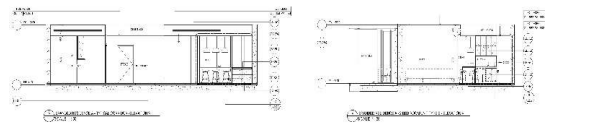
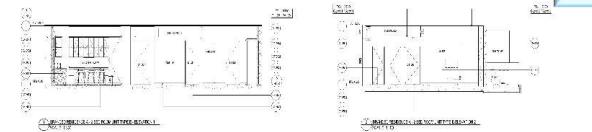
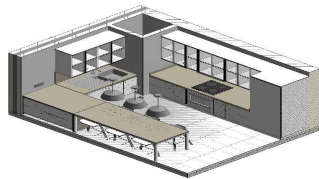
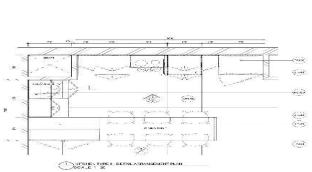
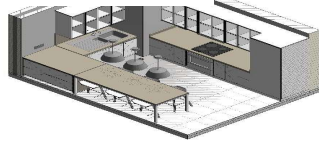
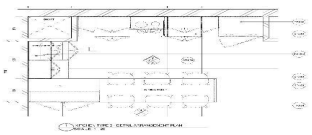
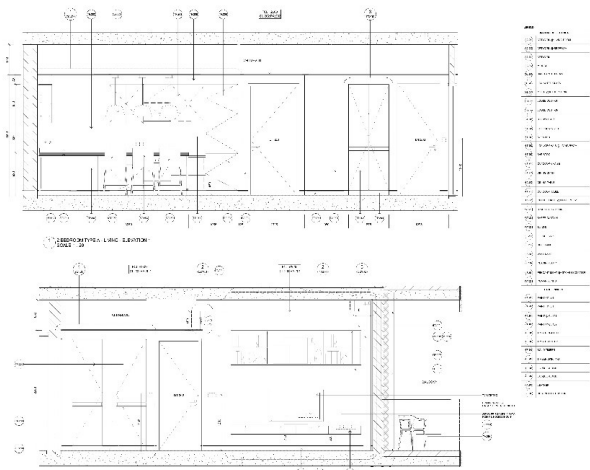




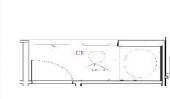
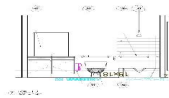
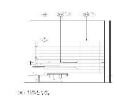
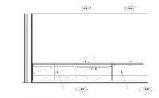
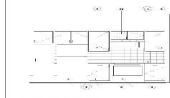
↑
Architectural design drawings



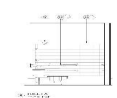
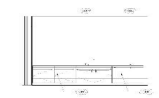
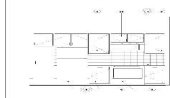
Architecture Interior Details



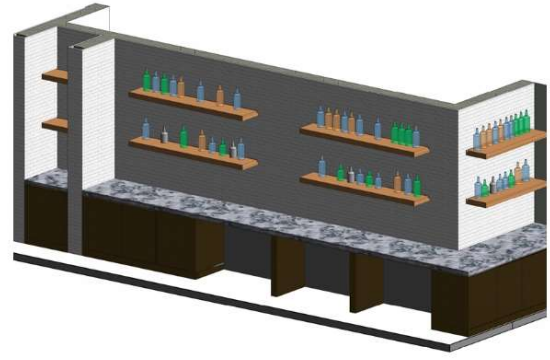
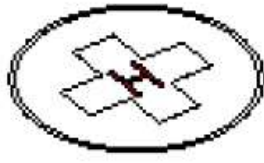
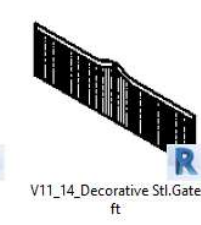
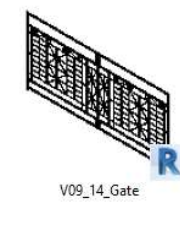
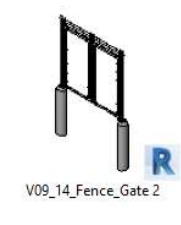
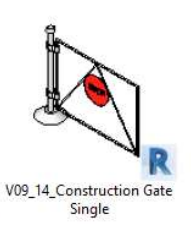
Vertical text block containing technical specifications or notes, likely related to the kitchen design.



Vertical text block containing technical specifications or notes, likely related to the kitchen design.

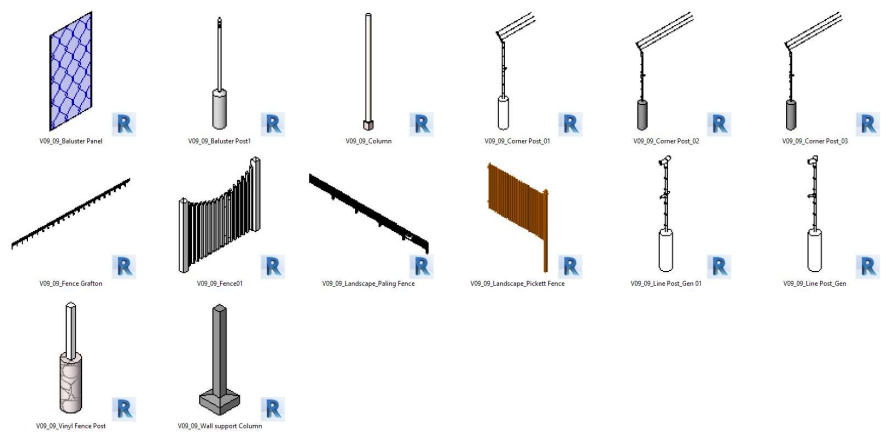
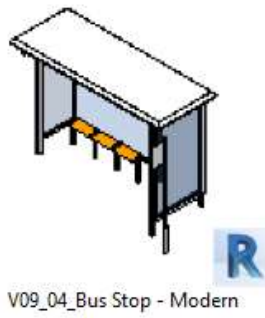


Revit Family



V09_15_Helipad

V09_08_Patio_Chair01



V09_04_Bus Stop - Curved Glass 1



V09_04_Bus Stop - Curved Glass 2



V09_04_Bus Stop - Modern

V09_09_Baluster Panel

V09_09_Baluster Post1

V09_09_Column

V09_09_Corner Post_01

V09_09_Corner Post_02

V09_09_Corner Post_03

V09_09_Fence Grafton

V09_09_Fence01

V09_09_Landscape_Paling Fence

V09_09_Landscape_Pickett Fence

V09_09_Line Post_Gen 01

V09_09_Line Post_Gen

V09_09_Vinyl Fence Post

V09_09_Wall support Column

ELEVATED SHEET FOR ARCHITECTURAL

ARCHITECTURE

Building Name	Wall		Floor		False Ceiling		Plaster	
	VOLUME	CM	AREA	SM	AREA	SM	AREA	SM
Production Block	1059		6209		8644		13095	
Training & Seminar Block	337		1370		1369		4189	
Cafeteria & Recreation Block	416		1989		1138		4987	
Apartment Block	975		2635		99		15073	
Dormitory Block	1770		6130		0		31834	

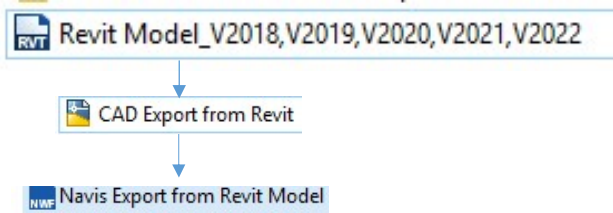
Revit quantity takeoff

CAFETERIA & RECREATION BLOCK	
Wall	
Description	Volume (Cu. m.)
125 mm Masonry Brick Wall	75.27
150 mm Masonry Brick Wall	28.33
250 mm Masonry Brick Wall	207.31
200 mm Masonry Brick Wall	4.01
400 mm Masonry Brick Wall	1.39
250 mm Retaining Wall	21.43
400 mm Retaining Wall	77.03
Total	415.77
Floor	
Description	Surface Area (Sq. m.)
400x400 mm Ceramic Tile	24
600x600 Vitrified Flooring	437
600x600 Kota Flooring	7
Black Essel Granite	455
Floor cafeteria	185
Jaisalner-beige-400x400 ceramic tile	109
APPROVED CARPET TILE-MILLIKEN-MIX IT UP ADMIN P/6540-METROPOLIS	104
BIKANER BROWN 400X400 CERAMIC TILE	77
VITRIFIED TILES-KAJARIA-KERRO-6007	139
Pebble Tile Vyara-passagio-pebbion-quartz	99
VYNLE FLOORING- RED	26
Wooden Flooring Pergo-autumn-oak-plank-po	249
LAMINATED FLOORING PERGO-AUTUMN OAK PLANK PO 028674	78
Total	1989
False Ceiling	
Description	Surface Area (Sq. m.)
600x600 Modular Ceiling	207.8
Ceiling As Wall	114.6
Gypsum Ceiling	815.1
Total	1137.5
Plaster	
Description	Surface Area (Sq. m.)
Plaster in Wall	4987.3
Total	4987.3

TRAINING	
Wall	
Description	Volume (Cu. m.)
Brick Wall 50 mm	0.42
Brick Wall 100 mm	13.44
Brick Wall 125 mm	53.13
Brick Wall 200 mm	2.71
Brick Wall 250 mm	217.63
Brick Wall-300 mm	49.61
Total	336.94
Floor	
Description	Surface Area (Sq. m.)
CARPET TILE	625
KOTHA	14
MARBLE ALBETA	442
VINYL FLOORING	14
VITRIFIED TILE FLOORING - SUPER WHITE	177
LAMINATED FLOORING	27
VITRIFIED TILE FLOORING (600 X 600)	71
Total	1370
False Ceiling	
Description	Surface Area (Sq. m.)
Gypsum	1127
Modular	242
Ceiling Soffit	12
Total	1369
Plaster	
Description	Surface Area (Sq. m.)
Plaster Total	4189

Scope Of Work

Revit Model



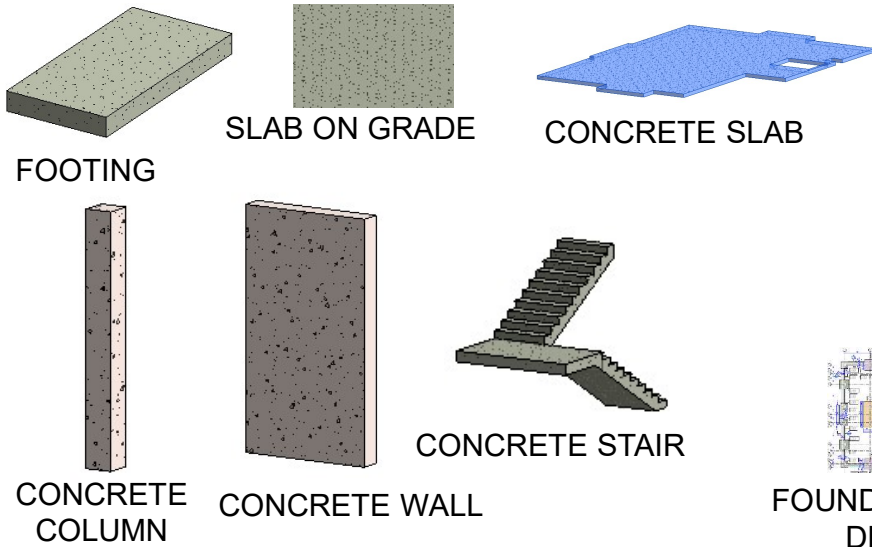
Architectural drawing

- 1 - Coversheet
- 3 - Architectural Site Plan
- 8 - Floor Plans
- 9 - Room Finish Schedule
- 10 - Roof Plan
- 11 - Exterior Building Elevations
- 12 - Building Sections
- 13 - Wall Sections & Details
- 14 - Stair Sections & Details
- 15 - Elevator Plans, Sections, & Details
- 16 - Door Schedule & Details
- 17 - Interior Elevations, Details, & 1_4_Plans
- 18 - Reflected Ceiling Plan

Structural drawing

- 1st_Floor_Slab_Drawing
- 2nd_Floor_Drawing
- 3rd_Floor_Drawing
- 4th_Floor_Drawing
- 5th_Floor_Drawing
- Foundation_Drawing
- Roof_Drawing
- Slab_on_Grade_Drawing
- Stair_Drawing

Scope of work elements:



Scope of work Shop Drawing:

