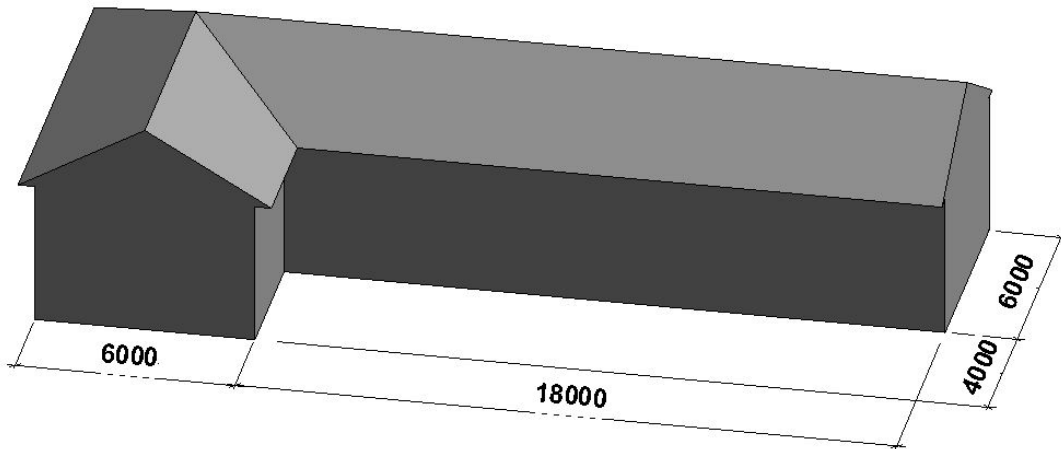| LOD IS LEVEL OF DETAILING AND THE LOD MODELS CREATES TO EFFECIENTLY MANAGE THE WORK FLOW	
LOD 100	CONCEPT DESIGN
LOD 200	DESIGN DEVELOPMENT
LOD 300	FINAL DESIGN
LOD 400	CONSTRUCTION
LOD 500	BUILDING OPERATION

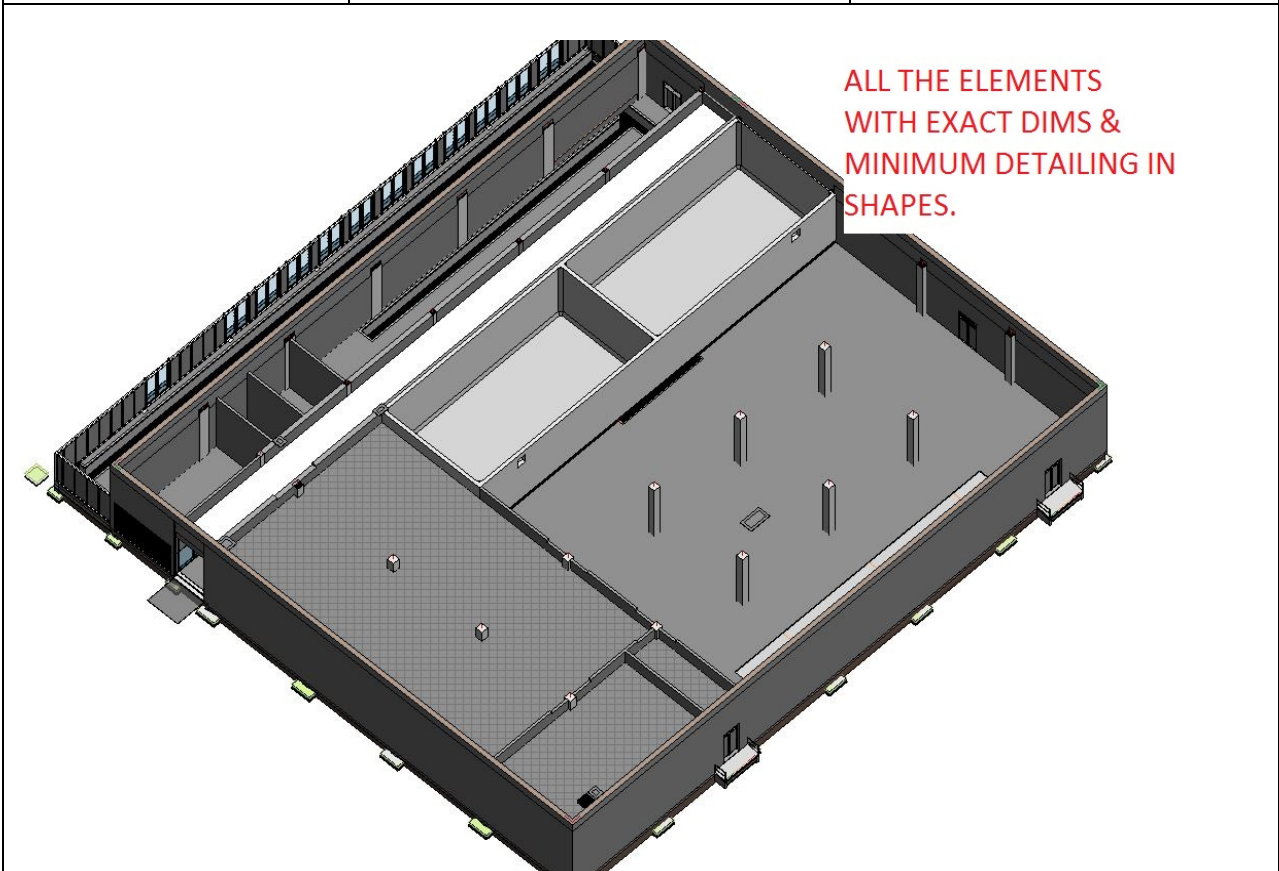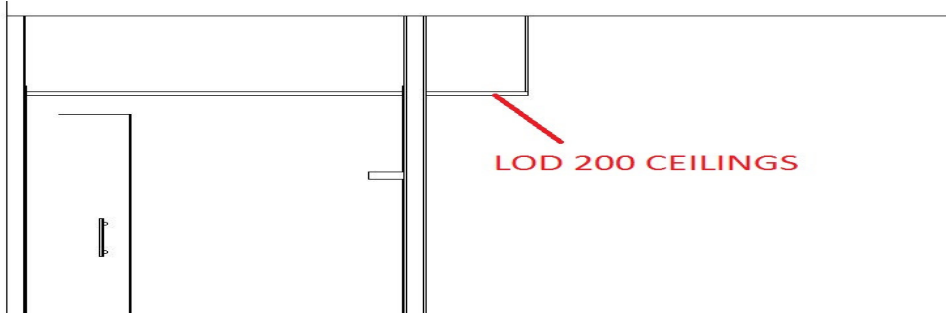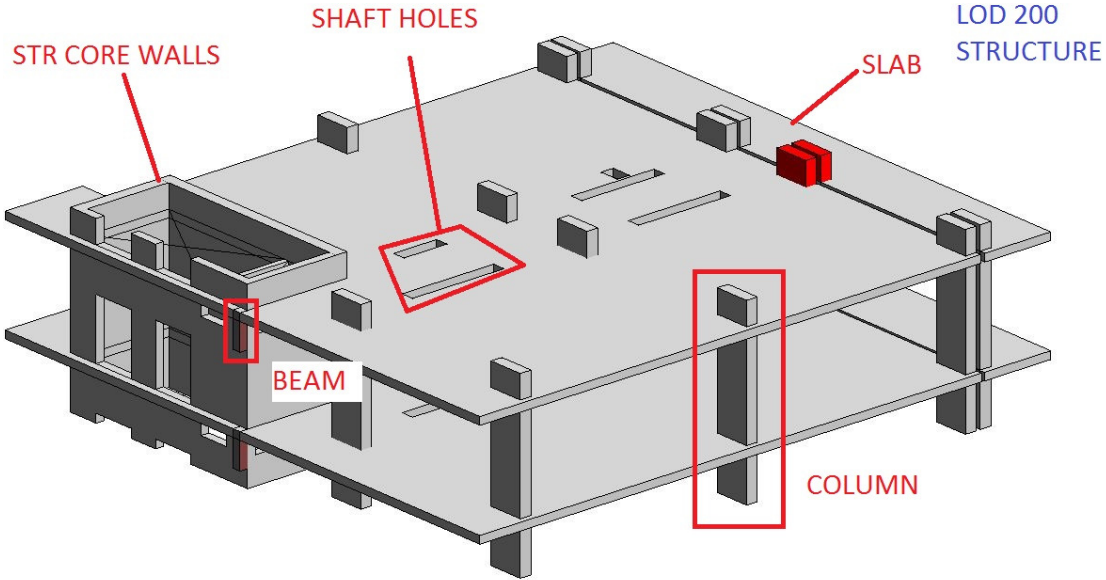| GENERAL INFO : STRUCTURAL, REBAR & REINFORCEMENT, ARCHITECTURAL, ID & FURNITURE. THESE ARE ALL SEPARATE CATEGORIES, BASED ON CLIENT REQUIREMENT & INPUT, WE CAN MODEL THE LEVEL OF DETAILING CATEGORYWISE.	
STRUCTURAL	Basic structural elements like foundations, piles, columns, beams, slabs, stairs & structural core walls etc.
ARCHITECTURAL	Walls, doors, windows, ceilings, floors, basic kitchen elements, Sanitory, Finishes, gutters & Roofs etc.
Furniture & ID	All the furniture elements like beds, chairs & other interior design elements.

LOD 100		
CONCEPT	DESCRIPTION	
Concept Design/Pre Design	Conceptual model creation. Parameters like area, height, volume, location and orientation are defined. Information can be conveyed with massing forms, written narratives, and 2D symbols.	LOD 100 Elements are not geometric representations. Building concept with outer dims

LOD 200	
CONCEPT	**DESCRIPTION**
Design development	Modeled elements have approximate relationships to quantities, size, location and orientation. Some information may still be conveyed with written narratives. Elements model with minimum detail like basic architectural elements Walls, Doors, Windows, stairs, sanitary, Ceilings, Kitchen elements with minimum detail & roof etc with exact size, orientation & Location. Model Basic structural elements, foundations, coulmns, strcural walls & Beams with exact size location & orientation	LOD 200 elements must be considered approximate. Model with minimum detail (We will not model detail shapes of elements) And it containing all the elements with exact dims.

ALL THE ELEMENTS WITH EXACT DIMS & MINIMUM DETAILING IN SHAPES.

ALL THE NECESSARY ELEMENTS
ADDED LOD 200 MODEL.
ALL THE BASIC ELEMENTS WITH
EXACT DIMS & MIN DETAIL

LOD 200
FLOOR MODEL

SHAFT HOLES

LOD 200
STRUCTURE

STR CORE WALLS

SLAB

BEAM

COLUMN

LOD 200 CEILINGS

LOD 200 STRUCTURAL MODEL

LOD 300	
CONCEPT	**DESCRIPTION**
Final design	Accurate modeling, Elements defined with specific assemblies, precise quantity, size, shape, location and orientation. Elements model with maximum detail for all the architectural elements like finished walls, Railings, Bulk head ceilings, sanitary, wall, door accessories kitchen elements with full details & Areas. Elements model with maximum details like stair raiser count exact landing position, shape of beam, column cap and model detailed elements with supplied info including steel structures.	The project origin is defined and the element is located accurately with respect to the project origin. Need to model the maximum possible shapes in revit. Design concept will be completed in lod300 level.

TOPO SURFACE WITH WALK PATHS

COLUMN COVER

COVERS ALL THE ELEMENTS WITH EXACT DIMS & SHAPES WITH MAXIMUM DETAILING

TRENCH

DESIGN CONCEPT WILL BE COMPLETED IN LOD300 LEVEL
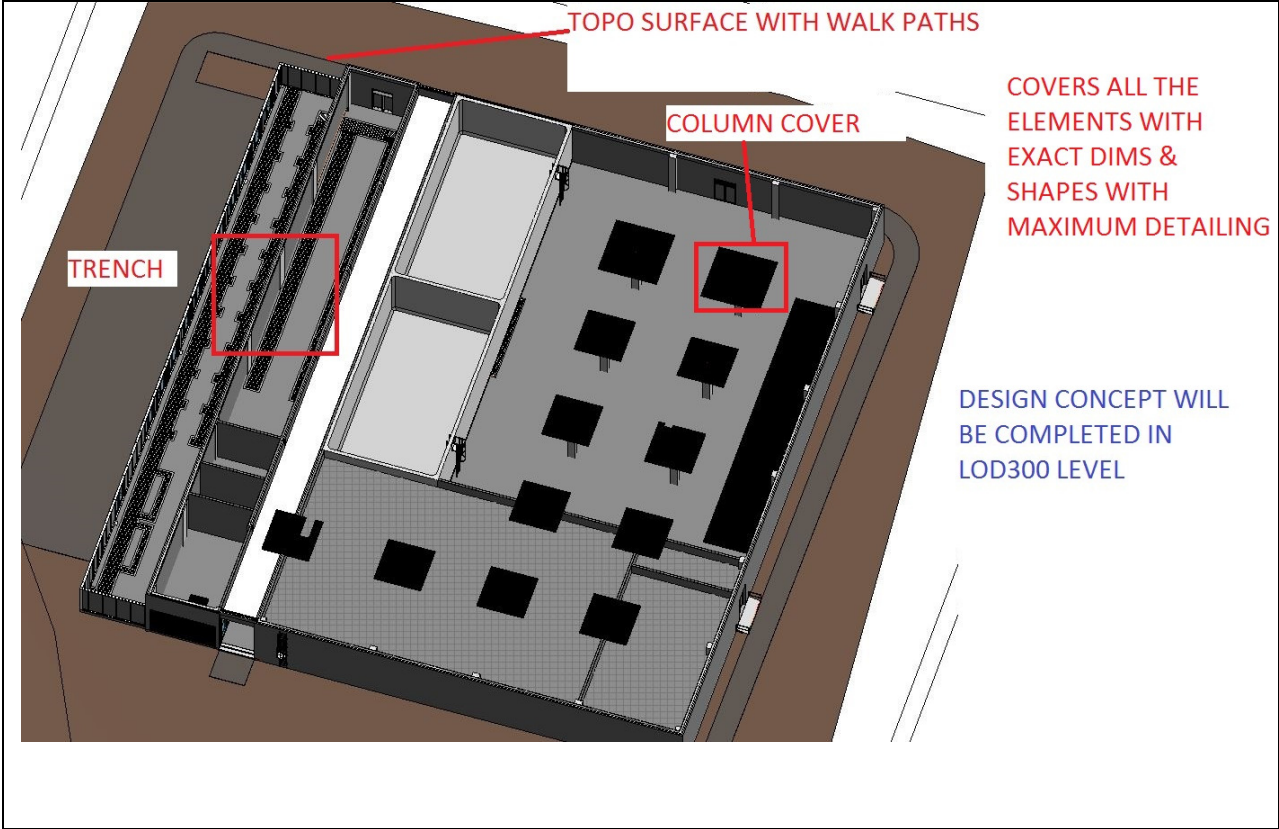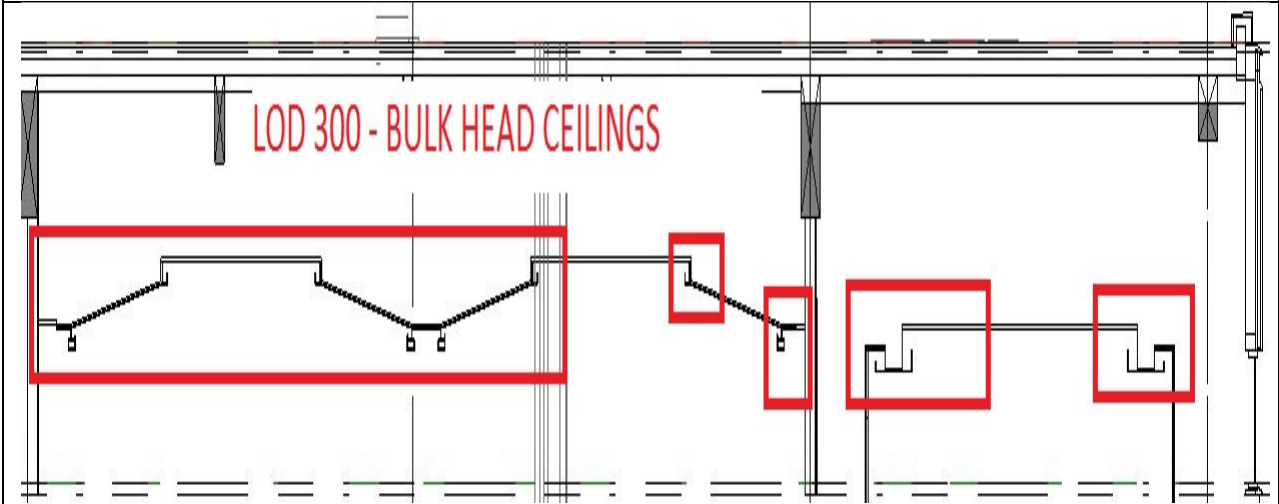
LOD 300 STRUCTURAL MODEL
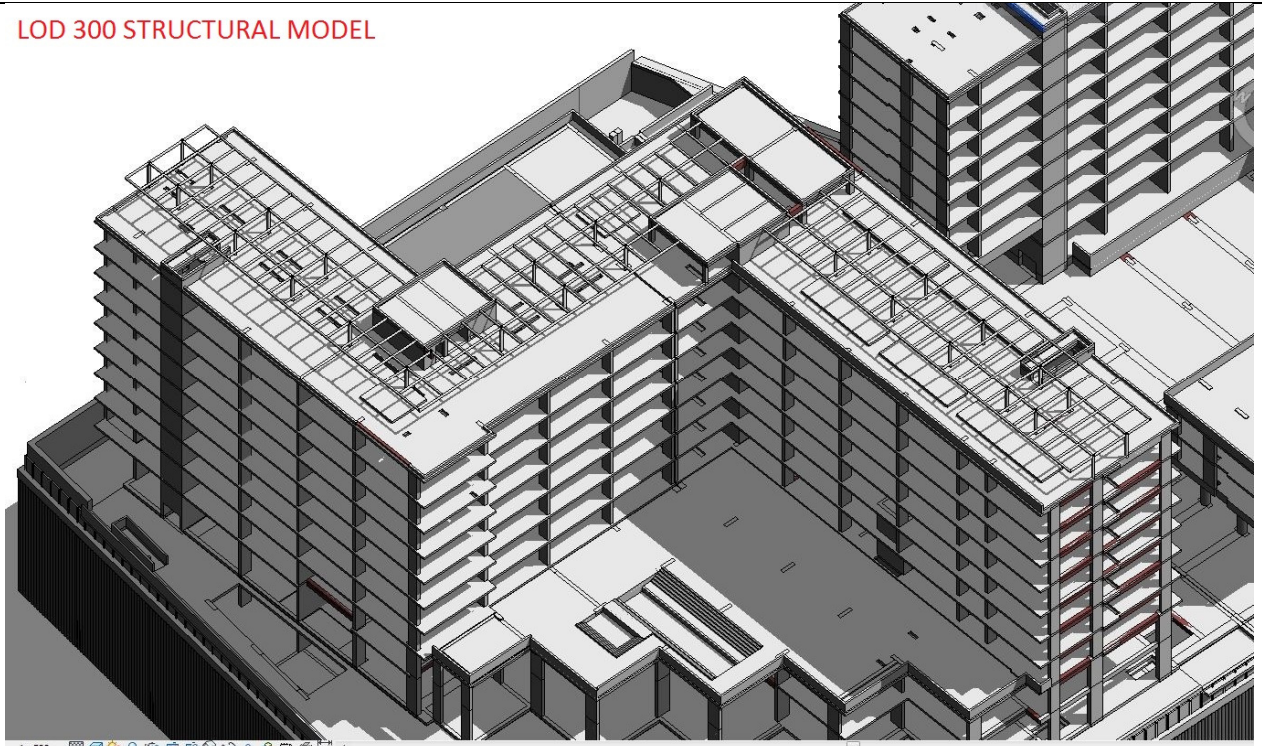
1 : 500

LOD 300 - ARCH PLAN MODEL WITH FULL DETAILS

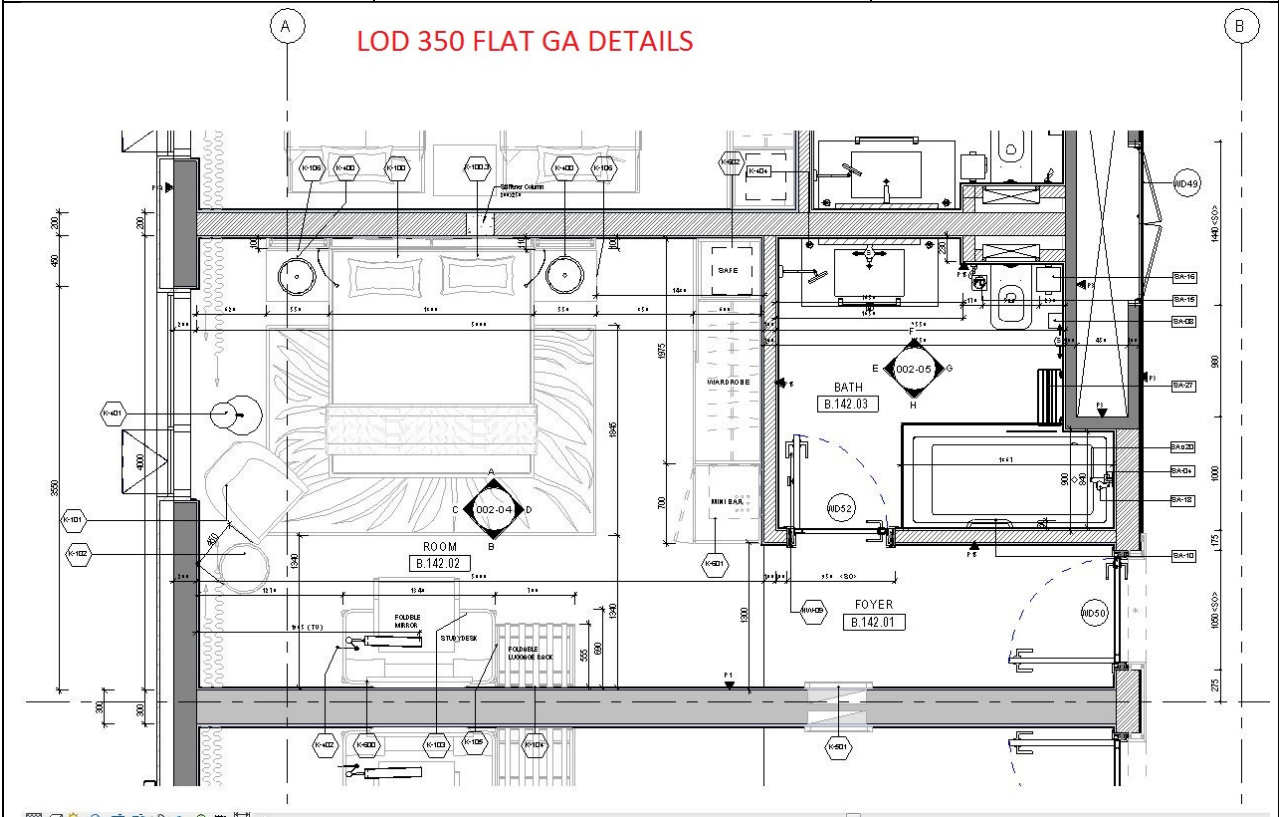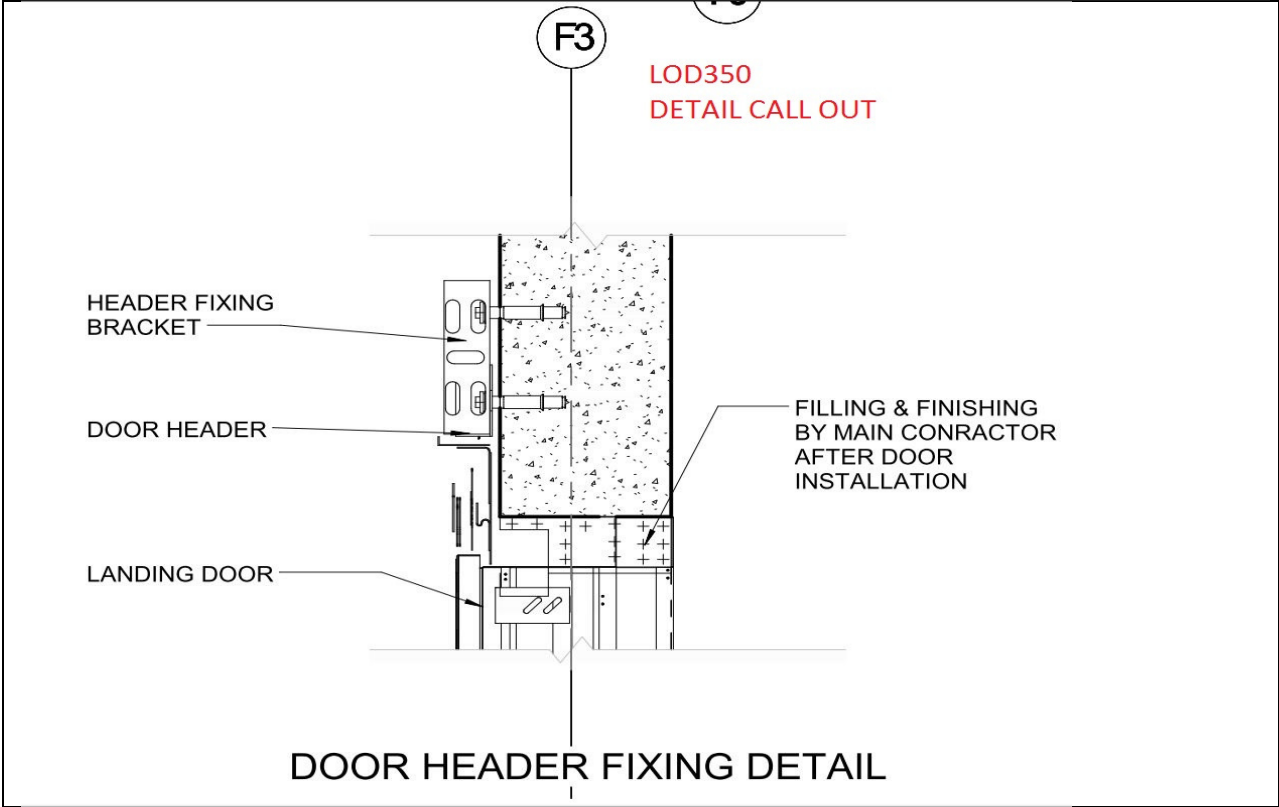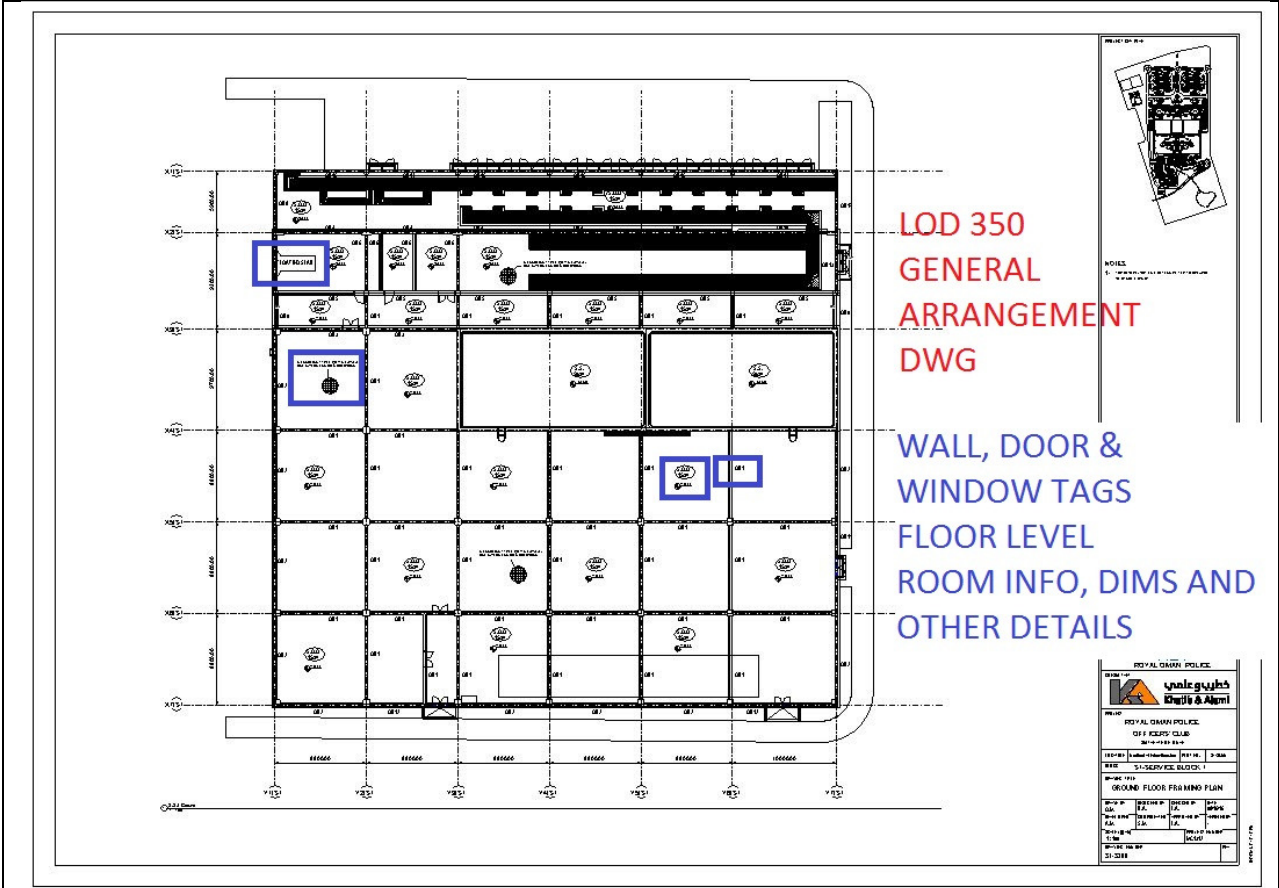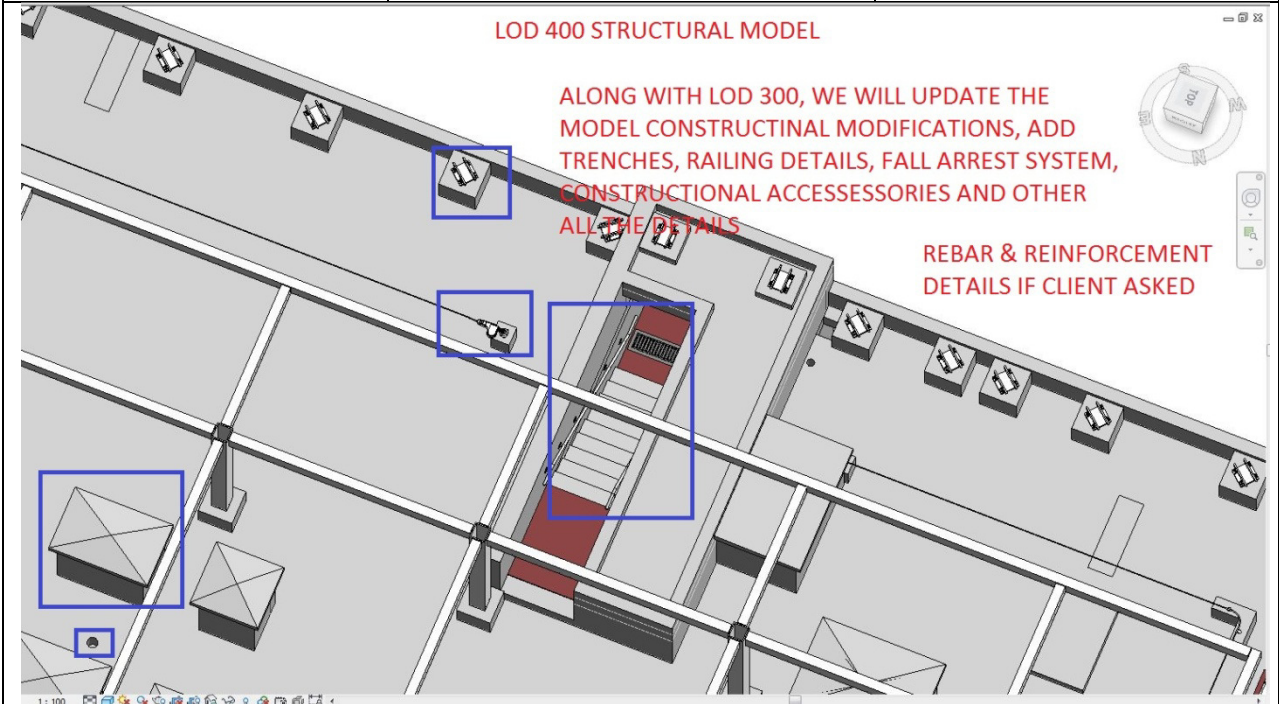Main Model

LOD 300 FLAT

LOD 300 - BULK HEAD CEILINGS

LOD 350	
CONCEPT	**DESCRIPTION**
Construction / design documentation	Model detail and element that represent how building elements interface with various systems and other building elements with graphics and written definitions Parts necessary for coordination of the element with nearby or attached elements are modeled. These parts will include such items as supports and connections. Documentation for the designed elements like general arrangement drawings, sectional details, tags, call outs & preparation of sheets & schedules	Create general arrangement drawings, Prepare sectional elevations with using callouts & detailing families to represent exact shapes of elements which is not possible to model as a 3d element. Preparation of schedules, quantity, legends and other detailed notes

LOD 350 FLAT GA DETAILS

LOD 350
GENERAL
ARRANGEMENT
DWG

WALL, DOOR &
WINDOW TAGS
FLOOR LEVEL
ROOM INFO, DIMS AND
OTHER DETAILS

ROYAL OMAN POLICE
OFFICERS' CLUB

S1-SERVICE BLOCK 1
GROUND FLOOR FRAMING PLAN

F3

LOD350
DETAIL CALL OUT

HEADER FIXING
BRACKET

DOOR HEADER

LANDING DOOR

FILLING & FINISHING
BY MAIN CONRACTOR
AFTER DOOR
INSTALLATION

DOOR HEADER FIXING DETAIL

LOD 350
ROOF FLOOR
GA DWG

Door tag

wall tag

window tag

Areas

LOD400	
CONCEPT	**DESCRIPTION**
CONSTRUCTION	Continuation of LOD 300 with enough information added to facilitate fabrication, assembly, and installation. LOD 400 element is modeled at sufficient detail and accuracy for fabrication of the represented component. Rebar & Reinforcement details (Optional as per client requirement)	Finishes details for all the architectural elements, Manufacturer details to the families with material details. Update the models with necessary modifications with final construction documents.

LOD 400 STRUCTURAL MODEL

ALONG WITH LOD 300, WE WILL UPDATE THE MODEL CONSTRUCTINAL MODIFICATIONS, ADD TRENCHES, RAILING DETAILS, FALL ARREST SYSTEM, CONSTRUCTIONAL ACCESSESSORIES AND OTHER ALL THE DETAILS

REBAR & REINFORCEMENT DETAILS IF CLIENT ASKED

PLINTH FOR HVAC UNIT

LOD 400 STRUCTURE

DOG HOUSE

SHAFT HOLES

FLOOR DRAIN & FLOOR CLEAN OUT HOLES ON SLAB

LOD 400 ARCH ROOF MODEL
WITH DETAILED ROOF FLOOR, FINISHES
& ALL THE ELEMENTS WITH
MANUFACTURING DETAILS

LOD 400 SUITE

LOD 400 BED ROOM

LOD 400 BATH ROOM

Schedules of elements with manfacturing deatils

	A	B	C	D	E	F	G	H	I	J	K	L
	Level	Type Mark	Fire Rating	Width	Height	DDC_CODE	DDC_HARDWAR	DDC_LOCATION	DDC_PRODUCT REFERENCE	DDC_SUPPLIER / DISTRIBU	DDC_DESCRIPTI	DDC_ITEM
	BASEMENT 01	D27C	none	1000.000	2200.000	D27C	HW-17 ITEM R	H/K OFFICE, PUR	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
	BASEMENT 01	D27C	none	1000.000	2200.000	D27C	HW-17 ITEM R	H/K OFFICE, PUR	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
	BASEMENT 01	D27C	none	1000.000	2200.000	D27C	HW-17 ITEM R	H/K OFFICE, PUR	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
	BASEMENT 01	D27C	none	1000.000	2200.000	D27C	HW-17 ITEM R	H/K OFFICE, PUR	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
	BASEMENT 01	D27C	none	1000.000	2200.000	D27C	HW-17 ITEM R	H/K OFFICE, PUR	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
	BASEMENT 01	D27C	none	1000.000	2200.000	D27C	HW-17 ITEM R	H/K OFFICE, PUR	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
	BASEMENT 01	D27C	none	1000.000	2200.000	D27C	HW-17 ITEM R	H/K OFFICE, PUR	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
D27C: 7												
	BASEMENT 01	D27E	none	1000.000	2200.000	D27E	HW-17 ITEM R	HOUSE KEEPING	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
	BASEMENT 01	D27E	none	1000.000	2200.000	D27E	HW-17 ITEM R	HOUSE KEEPING	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
	BASEMENT 01	D27E	none	1000.000	2200.000	D27E	HW-17 ITEM R	HOUSE KEEPING	REF 3824-S24-OPT 2	Bin Gurair Trading LLC,	SINGLE LEAF	SINGLE LEAF S
D27E: 3												
	BASEMENT 01	D40	1 Hr (60mins)	1200.000	2200.000	D40	CYLINDER CO	JANITOR	(SDC REF: 3824-S24-OPT 2)	Bin Gurair Trading LLC,	DOUBLE LEA	DOUBLE LEAF
D40: 1												
Grand total: 11												