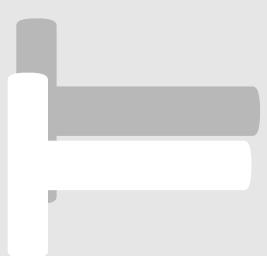




Portfolio

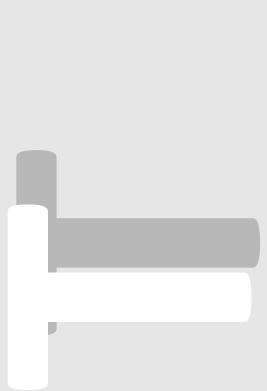
Professional



REDEVELOPMENT OF
MKCG
COLLEGE &
HOSPITAL **01**
BRAHMAPUR , ODISHA



CONSTRUCTION OF
COMMUNITY
HEALTH
CENTRE **02**
PADUM, ZANSKAR
UT OF LADAKH



CONSTRUCTION OF
650BEDDED
TEACHING
HOSPITAL **03**
BALANGIR , ODISHA



CONSTRUCTION OF
KALYAN SINGH
150ADMISSION
MEDICAL
COLLEGE **04**
BULANDSHAR , UP



PROPOSAL OF
SHRI
KRISHNA **05**
AYUSH
University
KURUKSHETRA , Haryana

- Client : OBCC (Govt of Odisha)
- Project Year : 2023
- Project Type : Medical college and Hospital
- Site : Brahmapur , Odisha
- Area : 170 ACRES
- Stage : Tender Stage

About Project : The Maharaja Krishna Chandra Gajapati (M.K.C.G.) is Teaching hospital with existing bed facility of 1583 Beds .The proposal of is set for phase vise development in which proposal of 450 bedded in phase - I development with new hostels and residential blocks for students and facilities .

Role : Site plan development | Hospital Stack section and floor plans Designing | Sub Blocks designing | Schedule of finishes | DBR Report | Tender documentation for client | Pre Bid Querry resolveing | Cordinatation with Client .

**REDEVELOPMENT OF
MKCG
COLLEGE &
HOSPITAL 01
BRAHMAPUR , ODISHA**



01

**REDEVELOPMENT OF
MKCG
COLLEGE &
HOSPITAL**

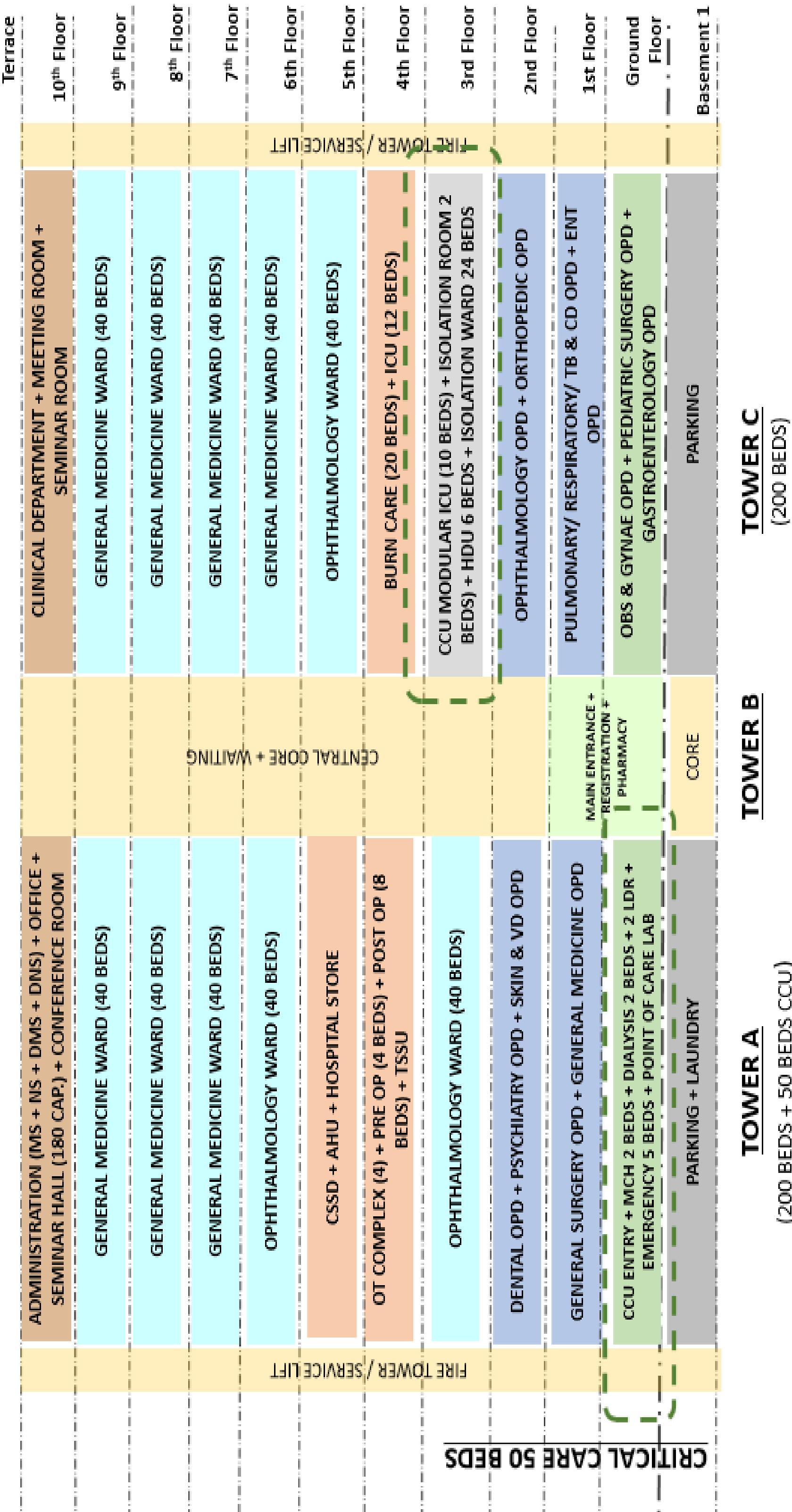
BRAHMAPUR , ODISHA



LEGEND:

PROPOSED BLOCKS

1. TEACHING HOSPITAL -450 BEDS (B+G+10)
2. ELECTRICAL SUBSTATION/SERVICE BLOCK (B+G+2)
3. UG GIRLS HOSTEL-300 BEDS (B+S+12)
4. SURGEON FEMALE HOSTEL-150 BEDS (B+S+7)
5. GUEST HOUSE-44 UNITS (B+S+5)
6. SURGEON MALE HOSTEL-150 BEDS (B+S+7)
7. UG BOYS HOSTEL-300 BEDS (B+S+12)
8. INDOOR STADIUM (G+1)
9. PLAY GROUND
10. TYPE 4 RESIDENCE(S+13)
11. TYPE 2 RESIDENCE(S+13)

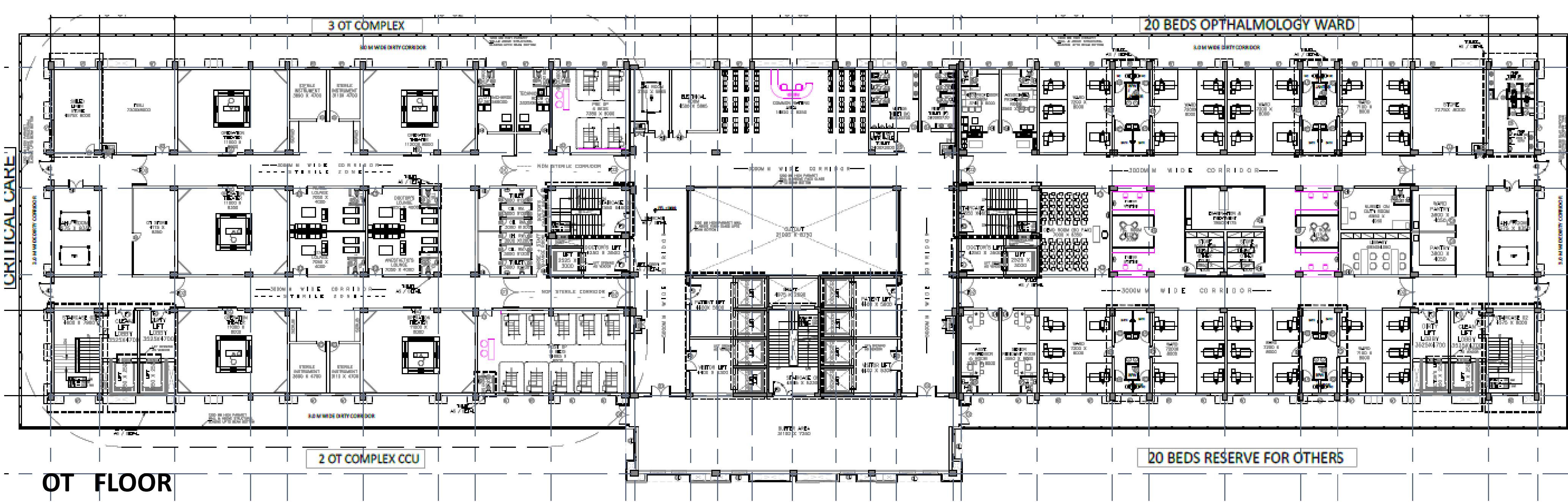
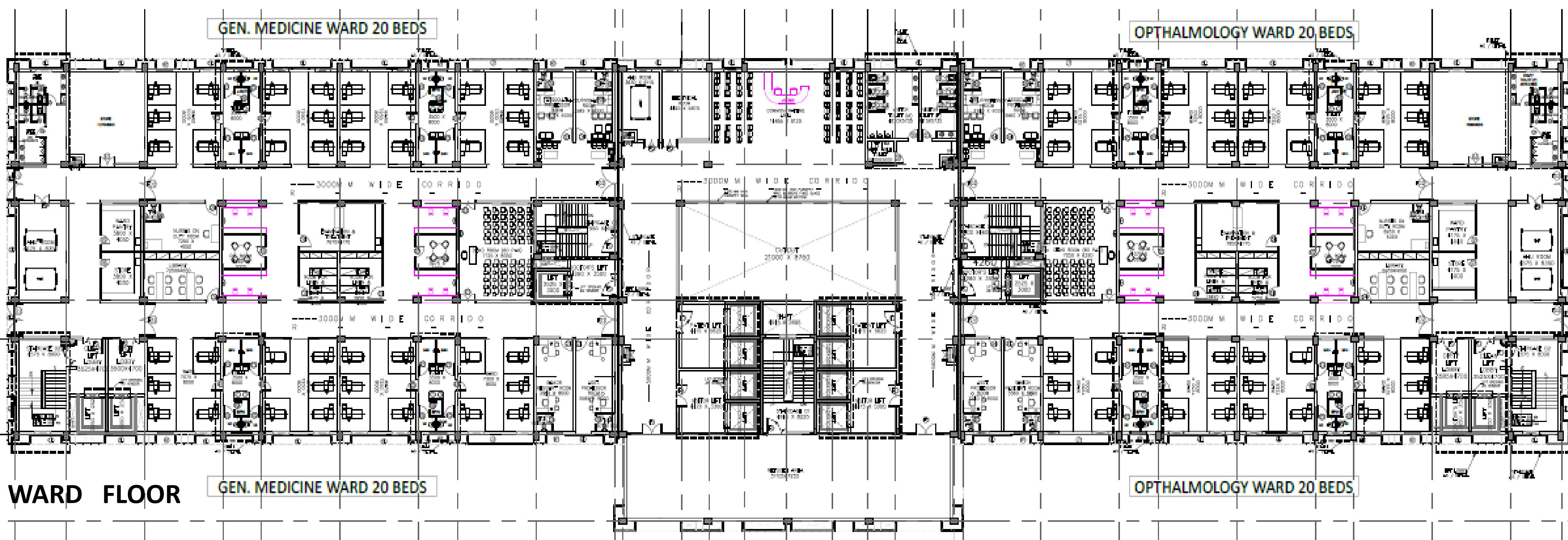
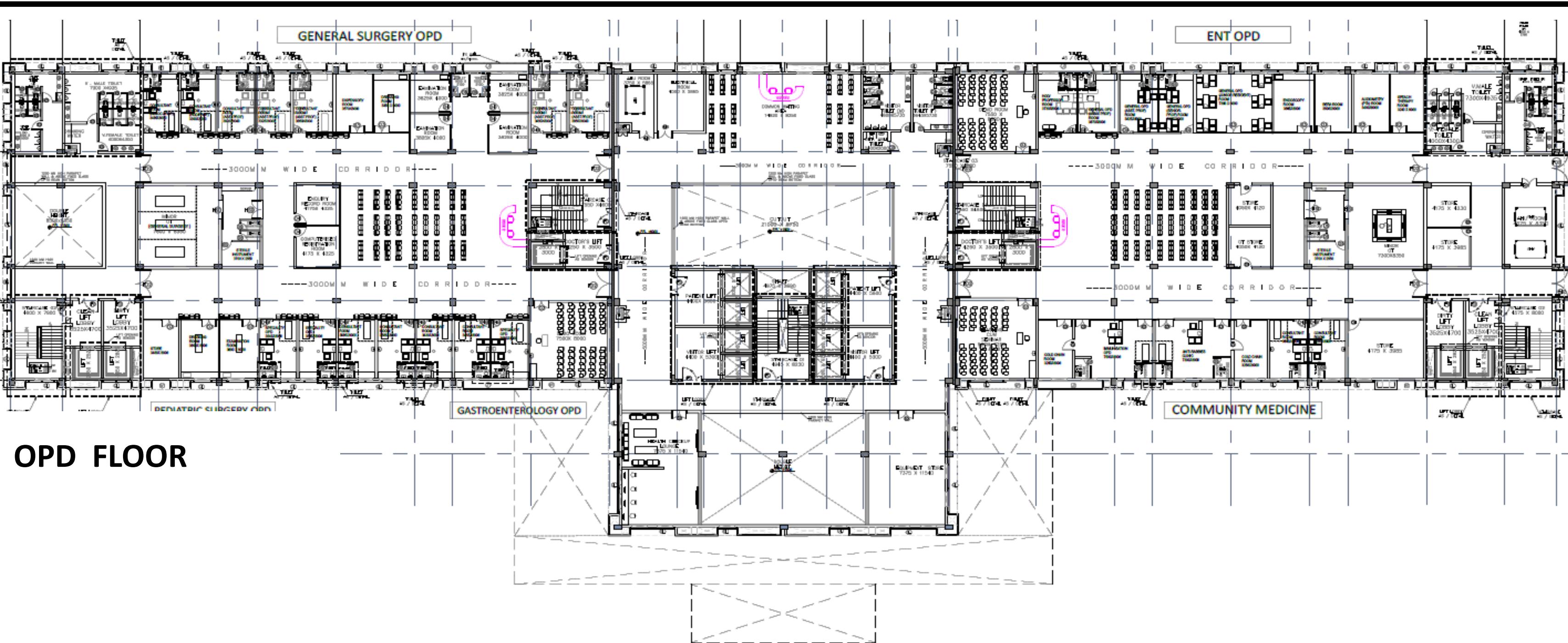


CONCEPTUALISATION AND DEVELOPMENT

**REDEVELOPMENT OF
MKCG
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HOSPITAL**

01

HOSPITAL FLOOR PLANS

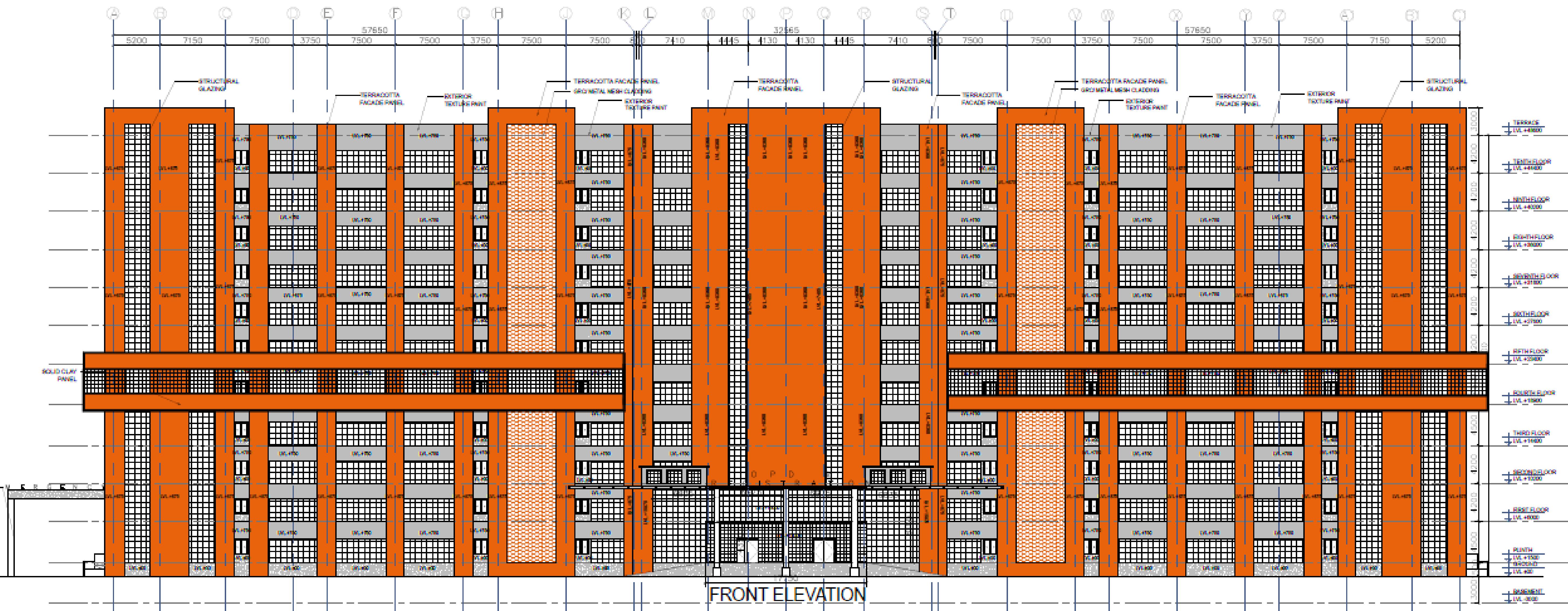


**REDEVELOPMENT OF
MKCG
COLLEGE &
HOSPITAL**

01

BRAHMAPUR , ODISHA

- GRC METAL MASH CLADDING
- TERRACOTTA FAÇADE PANEL
- STRUCTURAL GLAZING
- EXTERIOR TEXTURE PAINT
- SOLID CLAY PANEL
- DRY STONE CLADDING
- SS CLADDING

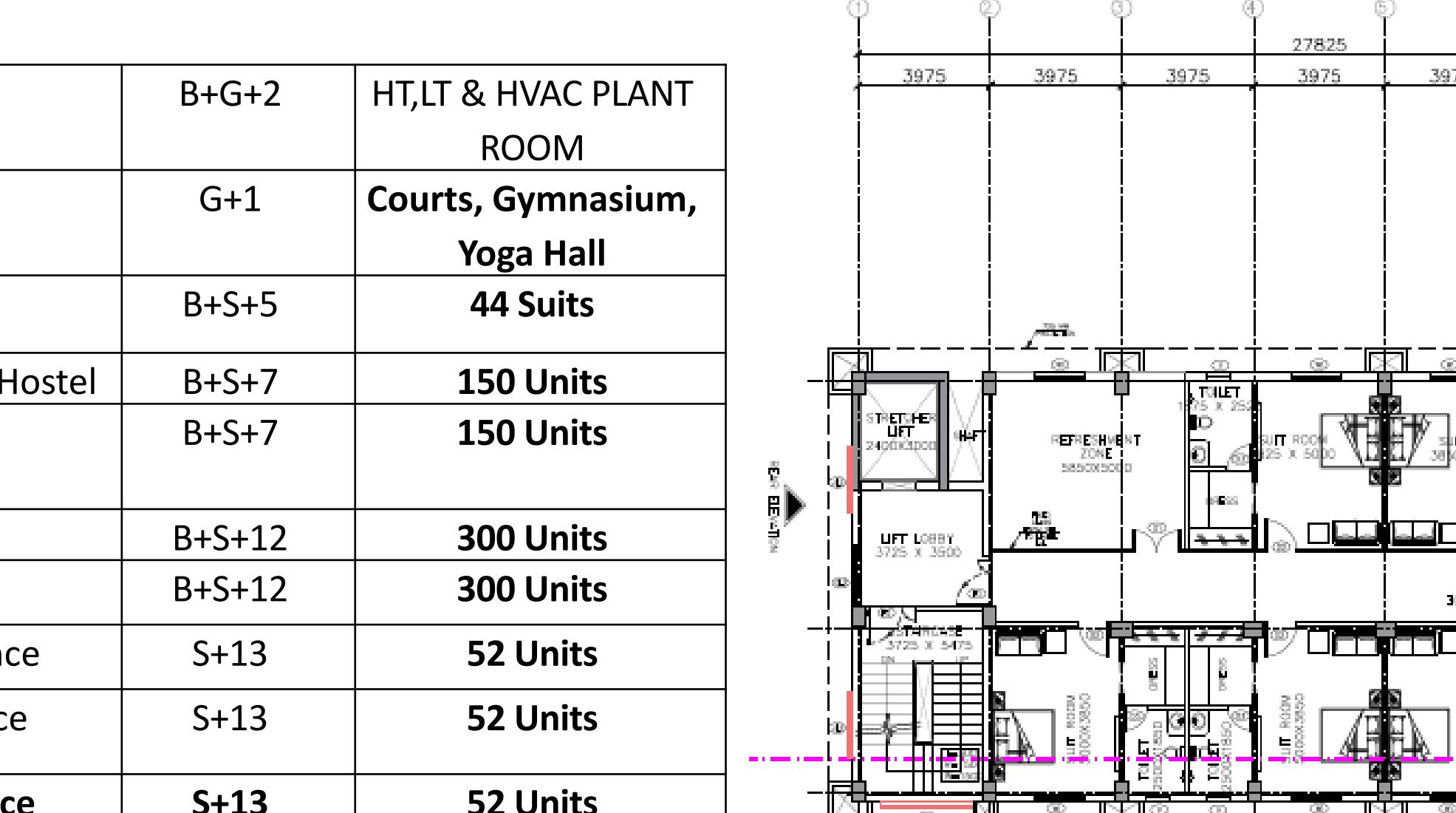
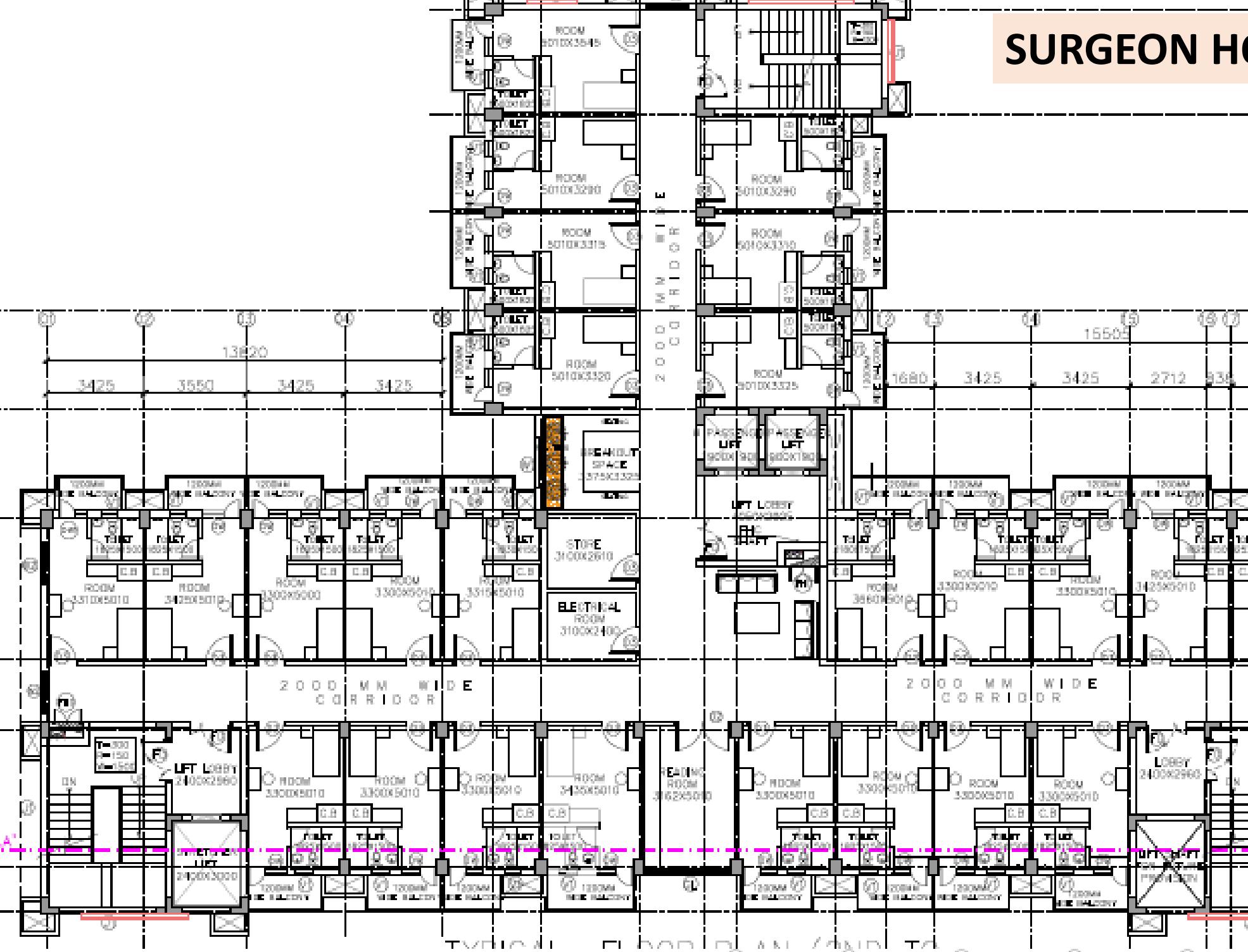
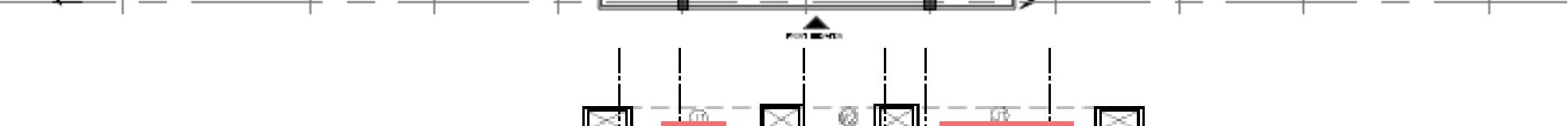
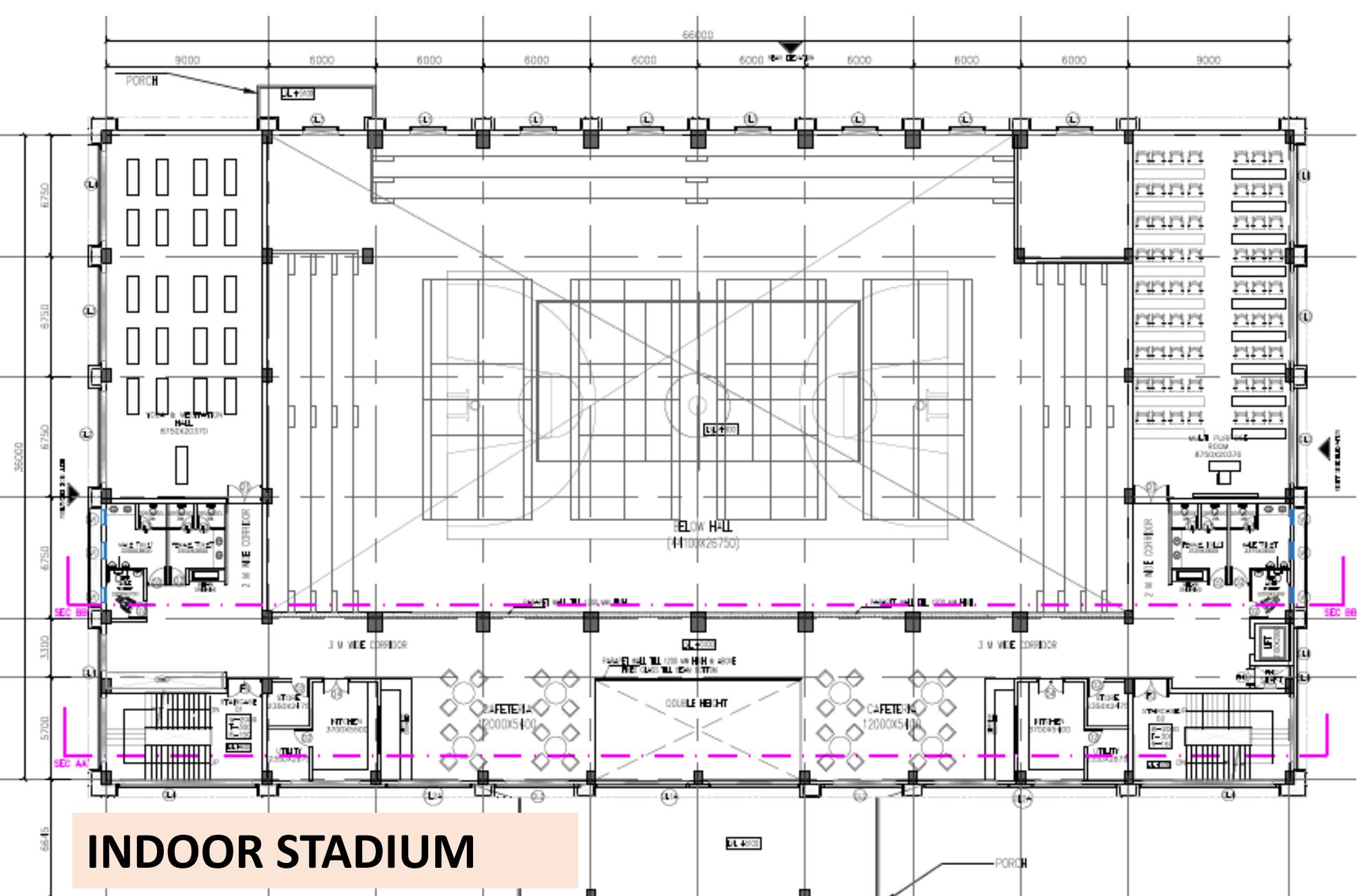
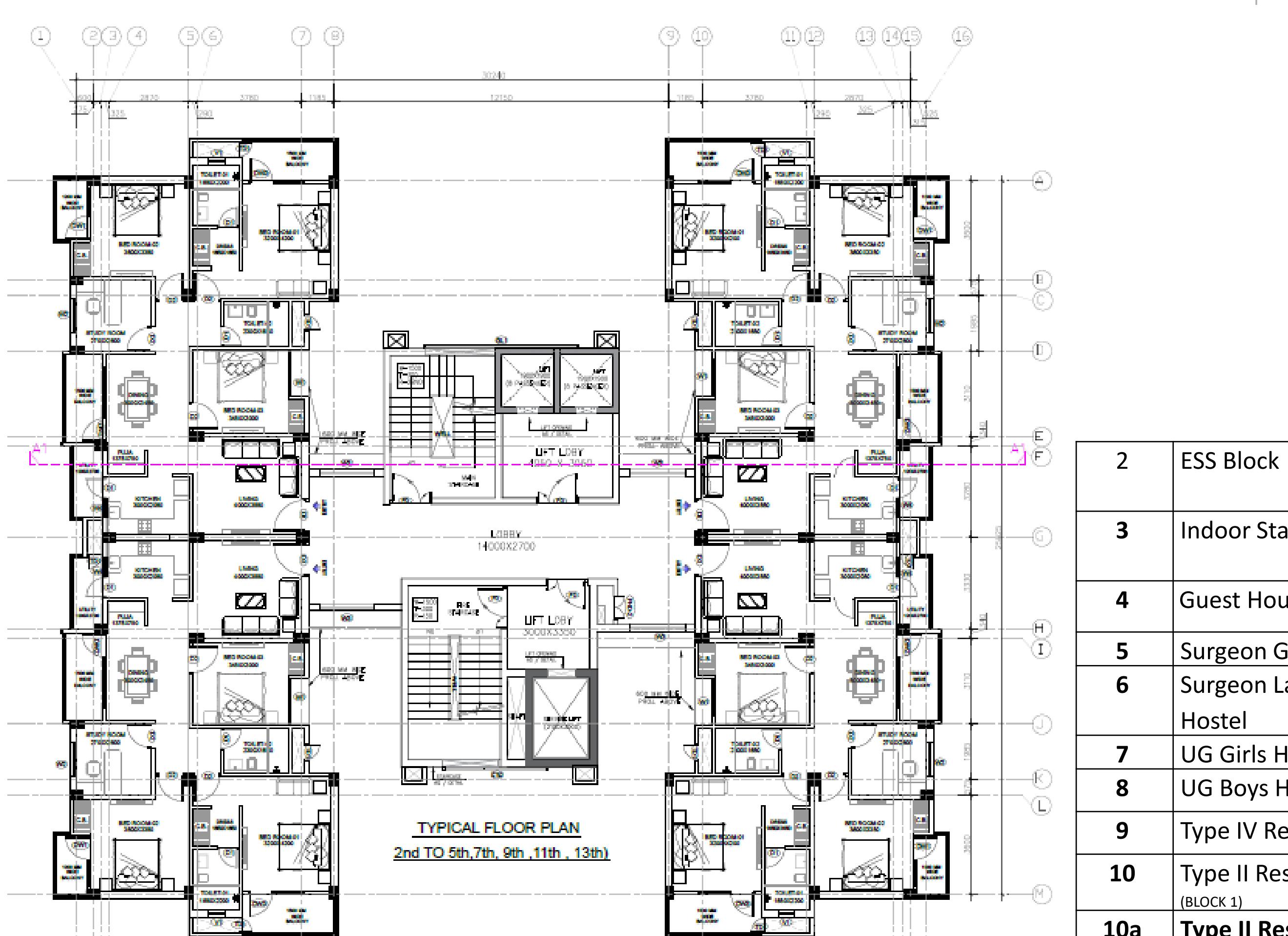
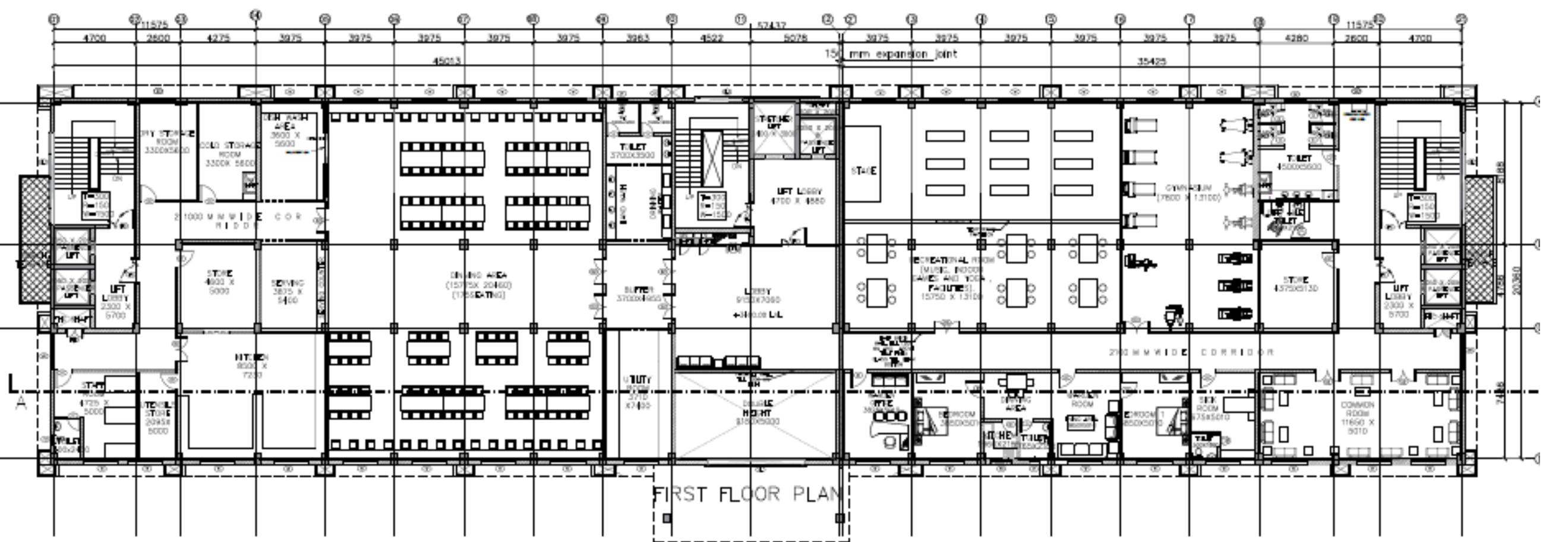


HOSPITAL ELEVATIONS

**REDEVELOPMENT OF
MKCG
COLLEGE &
HOSPITAL**

01

BRAHMAPUR , ODISHA



2	ESS Block	B+G+2	HT,LT & HVAC PLANT ROOM
3	Indoor Stadium	G+1	Courts, Gymnasium, Yoga Hall
4	Guest House	B+S+5	44 Suits
5	Surgeon Gents Hostel	B+S+7	150 Units
6	Surgeon Ladies Hostel	B+S+7	150 Units
7	UG Girls Hostel	B+S+12	300 Units
8	UG Boys Hostel	B+S+12	300 Units
9	Type IV Residence	S+13	52 Units
10	Type II Residence (BLOCK I)	S+13	52 Units
10a	Type II Residence (BLOCK II)	S+13	52 Units

TENDER FLOOR PLANS

REDEVELOPMENT OF MKCG

COLLEGE & HOSPITAL

BRAHMAPUR , ODISHA

01

PRE BID QUERRIES

SL NO.	ROOM NAME AS PER ORIGINAL LAYOUT	SCHEDULE OF FINISHES FOR MKCG - HOSPITAL					
		FLOOR FINISH	WALL FINISH	FALSE CEILING	DOOR	WINDOW	REMARK
COMMON AREA							
11	SCRUB	Anti skid Vitrified Tiles 600x600 mm	Vitrified tile dado upto 2100mm + Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	-	DGU based structural aluminium windows (OEM fabricated)	With SS sink
12	TERRACE	Heat resistant tiles	N.A	N.A	-	-	-
13	LOCKERS	Full body Vitrified tile flooring 600x600mm	100 mm vitrified tile skirting + Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performancealuminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	-
14	PANTRY	Granite flooring	Vitrified tile dado upto 1200mm + Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performancealuminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	Countertop granite to be of shade 'Golden Galaxy' and SS sink to be provided
15	DRIVEWAY/RAMP	VDF flooring	-	Acrylic Emulsion Paint	-	DGU based structural aluminium windows (OEM fabricated)	-
16	DIRTY CORRIDOR	Anti skid Vitrified Tiles 600x600 mm	100 mm high Vitrified tile skirting	OBD	As per elevation	As per elevation	-
17	REFUGE AREA	Anti skid Vitrified Tiles 600x600 mm	100 mm high Vitrified tile skirting	OBD	As per elevation	As per elevation	-
BASEMENT LVL - 1							
10	NURSE ON DUTY ROOM	Full body Vitrified tile 600x600 mm	100 mm high Vitrified tile skirting+ Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	-
11	EMERGENCY	Heavy Duty Vitrified tile 600x1200 MM	100 mm high Heavy Duty Vitrified tile skirting+ Acrylic Emulsion paint above	Acrylic Emulsion Paint	Factory made high performance aluminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	-
FIRST FLOOR							
1	RECEPTION	Granite flooring	100 mm high granite skirting+ Acrylic Emulsion paint above	G.I Powder coated plain metal ceiling with calcium silicate board- Periphery only	DGU based structural aluminium doors	DGU based structural aluminium windows (OEM fabricated)	Granite shades-Jirawal white and Lakka Red
2	STORE	Kota stone 600x600 mm	100 mm kota stone skirting + Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	-
3	EXAMINATION ROOM , TREATMENT & PROCEDURE ROOM , DRESSING ROOM	Full Body Vitrified Tiles 600x600 mm	Vitrified tile dado upto 1500mm with granite moulding + Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door with vision panel 200x300mm	DGU based structural aluminium windows (OEM fabricated)	-
4	CONSULTANT ROOM & OPD ROOM	Full Body Vitrified Tiles 600x600 mm	100 mm high Vitrified tile skirting+ Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door with vision panel 200x300mm	DGU based structural aluminium windows (OEM fabricated)	-
5	DEMO ROOM	Full body Vitrified tile 600x1200 mm	100 mm high Vitrified tile skirting+ Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door with vision panel 200x300mm	DGU based structural aluminium windows (OEM fabricated)	-
6	MINOR OT	AS/VENDOR			Hermatically sealed Factory made high performance aluminium frame with both side laminated sliding door with vision panel 200x300mm	-	Refer detailed specification of modular OT As per Tender drawing
7	ENQUIRY RECORD ROOM & COMPUTERISED ROOM	Full Body Vitrified Tiles 600x600 mm	100 mm high Vitrified tile skirting+ Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	-
8	EXAMINATION & DRESSING ROOM	Full Body Vitrified Tiles 600x600 mm	Vitrified tile dado upto 1500mm with granite moulding + Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door with vision panel 200x300mm	DGU based structural aluminium windows (OEM fabricated)	-
9	HOD / PROFESSOR ROOM	Full body Vitrified tile 600x600 mm	100 mm high Vitrified tile skirting+ Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	-
10	OT STORE	Full body Vitrified tile 600x600 mm	100 mm high Heavy Duty Vitrified tile skirting+ Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	-
11	ANTI RABBIES , IMMUNISATION 7 COLD CHAIN , ROOM	Full Body Vitrified Tiles 600x600 mm	100 mm high Vitrified tile skirting+ Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door with vision panel 200x300mm	DGU based structural aluminium windows (OEM fabricated)	-
12	ENDOSCOPY , BERA , AUDIOMETRY & SPEECH THERAPHY ROOM	Full Body Vitrified Tiles 600x600 mm	100 mm high Vitrified tile skirting+ Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door with vision panel 200x300mm	DGU based structural aluminium windows (OEM fabricated)	-
13	DISPENSORY ROOM	Full body Vitrified tile 600x1200 mm	100 mm high Vitrified tile skirting + Acrylic Emulsion paint above	Calcium Silicate tile 600 x 600with Calcium Silicate board - Periphery only	Factory made high performance aluminum frame with both side laminated flush door	DGU based structural aluminium windows (OEM fabricated)	-
SECOND FLOOR							

SL. NO.	EXTERNAL DEVELOPMENT MATERIALS	OBCC ODISHA SCHEDULE OF EXTERNAL DEVELOPMENT-MKCG			
		HOSPITAL BLOCK	RESIDENCE , HOSTELS 7 INDOOR STADIUM BLOCK	ESS, GATE & GUARD ROOM	RAMP & PARKING
1	Concrete Grass Pavers	Concrete Grass Pavers	Concrete Grass Pavers	Vacuum dewatered flooring (VDF)	
2	External grade Vitrified tile with anti-skid finish	External grade Vitrified tile with anti-skid finish	External grade Vitrified tile with anti-skid finish	Granite	
3	Rough/ Polished Granite	Rough/ Polished Granite	Rough/ Polished Granite	Concrete	
4	Sandstone	Sandstone	Sandstone		

NOTE:- ALL MATERIAL TO BE USED ONLY AFTER SELECTION BY ARCHITECT AND CLIENT.

All block terrace Heat reflective tile / Pidilite-Water proof to be used.

TATA PROJECTS	RFP	General	NWD Model/ AutoCAD drawings	Please share NWD Model or AutoCAD Drawings with Floor Plans, Finishes Plan, Elevations, Sections, Staircase & Toilet Details, and other Detail Drawings, etc.	Already submitted in tender documents.
TATA PROJECTS	RFP	General	Finishes		FINISHES FOR COLUMN IN PUBLIC AREAS GI METAL CLADDING
TATA PROJECTS	RFP-1.1.6	Scope of Bid , page no 43	Signages	As per RFP, Scope of Work document, Signages are in scope of EPC Contractor's scope. Please share Wayfinding, Fire-safety signs & Signages Layout and design manual for all internal & external signages.	The tender condition will prevail.
TATA PROJECTS	1.1.6	Scope of Bid , page no 43	External Development	As per RFP, Scope of Work document, External Development items are in EPC Contractor's scope. However, landscape layout with material finishes layout is not shared. Please share the relevant details and drawings for the same (Paver Blocks, Heavy-Duty Paver Blocks, Kerbstone, Road-Bituminous or Flexible Road to consider, Any softscape considerations, Boundary Wall details, etc).	FOR DRAWINGS : REFER ANNEXURE 46 , FOR MATERIAL & FINISHES tender condition will prevail .
TATA PROJECTS	1.1.6	Scope of Bid , page no 43	Landscape	Please specify EPC contractor's scope of work in Phase-01 for External Development works. If any specific Horticulture Development, Green areas with shrubs, herbs, grass covers, plantation, hardscape, seating areas, etc. to consider in current scope of work or not. Please share details for the same.	FOR DRAWINGS : REFER ANNEXURE 46 , FOR MATERIAL & FINISHES REFER RFP PAGE NO 1173 &1174 .
TATA PROJECTS	RFP	Scope of Work	Door/ Window	As per RFP, Scope of Work document, Doors (interior and exterior), windows glazing systems including hardware are in scope of EPC Contractor's scope. However, limited details are shared for the same. Please share any preferred specifications and fire rating along with relevant details.	FOR FIRE RATING DETAILS REFER RFP PAGE NO 217 to 219.
TATA PROJECTS	RFP	Scope of Work	Furniture	As per RFP, Scope of Work document, All for FURNITURE DETAILS REFER modular furniture, chairs, carpet, etc. is in scope of EPC Contractor. However, limited details are shared for the same. Please share any preferred typology, size and specifications along with relevant details.	ARCHITECTURAL DBR ATTACHED IN RFP DOCUMENT .
TATA PROJECTS		CSA	Façade	Structural Glazing is indicated for the proposed Hospital Building. Please specify consideration Structural Glazing thickness and detailed specifications (DGU/ SGU, etc.)	DGU GLASS & ITS DETAIL IS ALREADY MENTIONED IN TECHNICAL SPECIFICATION OF TENDER DOCUMENT .
TATA PROJECTS		CSA	Façade Cleaning & Maintenance Systems	Please share considerations for Façade Cleaning & Maintenance systems if any. Else same shall be considered as per industry practice.	The tender condition will prevail.
TATA PROJECTS		General	Finishes	All the FOH/BOH staircases are indicated to have Granite Flooring/Cladding. Do we require such premium finishes in the BOH areas? Can we consider KOTA Stone flooring and cladding for BOH staircases? Please confirm.	CLADDING FINISHES WILL BE ACCORDING TO FINISHES SCHEDULE SUBMITTED IN TENDER DOCUMENT .
TATA PROJECTS		General	Approvals	Please specify approvals in EPC contractor's scope and share details for approvals taken if any.	The tender condition will prevail.
TATA PROJECTS		General	Fire Egress Strategy	Please share fire-egress strategy plan for proposed structures if any. Else, same shall be considered as per standards requirement.	The tender condition will prevail.
TATA PROJECTS		General	Exiting Utility Details	Please share details of existing utility in and around the proposed redevelopment site.	SURVEY PLAN IS ATTACHED IN TENDER DOCUMENT AND FUTHER UNDERSTANDING , Contractor require SITE VISIT .
TATA PROJECTS		General	Façade	Please share detailed façade specifications for all proposed structures.	2D ELEVATION DRAWINGS ARE ATTACHED IN TENDER DOCUMENT OF ALL BLOCKS WITH ITS FINISHES SCHEDULE
TATA PROJECTS		General	Sterilized Rooms/ Corridors	Please share considerations for all sterilized corridors and room requirements.	it is not clear

- Client : CPWD (Central Public Work Department)
- Project Year : 2023
- Project Type : District Hospital
- Site : PADUM, ZANSKAR ,UT OF LADAKH
- Area : 20.36 ACRES
- Stage : Tender Stage

CONSTRUCTION OF COMMUNITY HEALTH CENTRE 02

PADUM, ZANSKAR
UT OF LADAKH

About Project : CHC Padum is a 100-bed district hospital equipped with a variety of medical facilities, including beds for emergency, inpatient beds, and critical care beds. It also features specialized units such Sick Newborn Care Unit (SNCU) and a Maternal and Newborn Care Unit (MNCU). Supporting services encompass a Central Sterile Services Department (CSSD), dietary services, hospital laundry, a Medical Gas Pipeline System (MGPS), biomedical waste (BMW) management, and a drug dispensing area. Additionally, the hospital provides accommodation with six doctor's quarters and twelve staff quarters, along with essential service blocks and maintenance support.

Role : Approval of design from client | Involvement in preliminary estimates | 3D conceptualization | Tender drawings as per EPC Mode 3 | Detailed working drawings | NIT (Notice Inviting Tender) documentation for client



CONSTRUCTION OF COMMUNITY HEALTH CENTRE

PADUM, ZANSKAR UT OF LADAKH



TOTAL SITE AREA= 20.36 ACRES

STAFF RESIDENCE (20 units)

DOCTOR'S RESIDENCY (10 units)

— — • ESS BLOCK

— • SERVICE BLOCK

EXISTING BUILDING

50 BEDDED HOSPITAL

50 BEDDED HOSPITAL

RESIDENTIAL QUARTERS

 STAFF RESIDENCE (20 units)

LEGEND

HOSPITAL PART 1

50 BEDDED HOSPITAL

SERVICE RI

ESS BLOC

HOSPITAL PART

- ESS BLOCK- II
- 50 BEDDED HOSPITAL (with ramp)

VERTICAL CIRCULATION

LAUNDRY/ SERVICES	GENERAL WARD (24 BEDS) + ISOLATION ROOM (1) + MNCU (6 BEDS) + CENTRAL LAB
------------------------------	--

KITCHEN/ SERVICES	CRITICAL CARE (16 BEDS) + SNCU (6 BEDS) + ADMINISTRATION (MS + NS - CONFERENCE + OFFICE)
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**STORE/
SERVICES**

**BLOOD BANK + DIAGNOSTICS
+ SAMPLE COLLECTION
ROOM + OPD + PHARMACY**

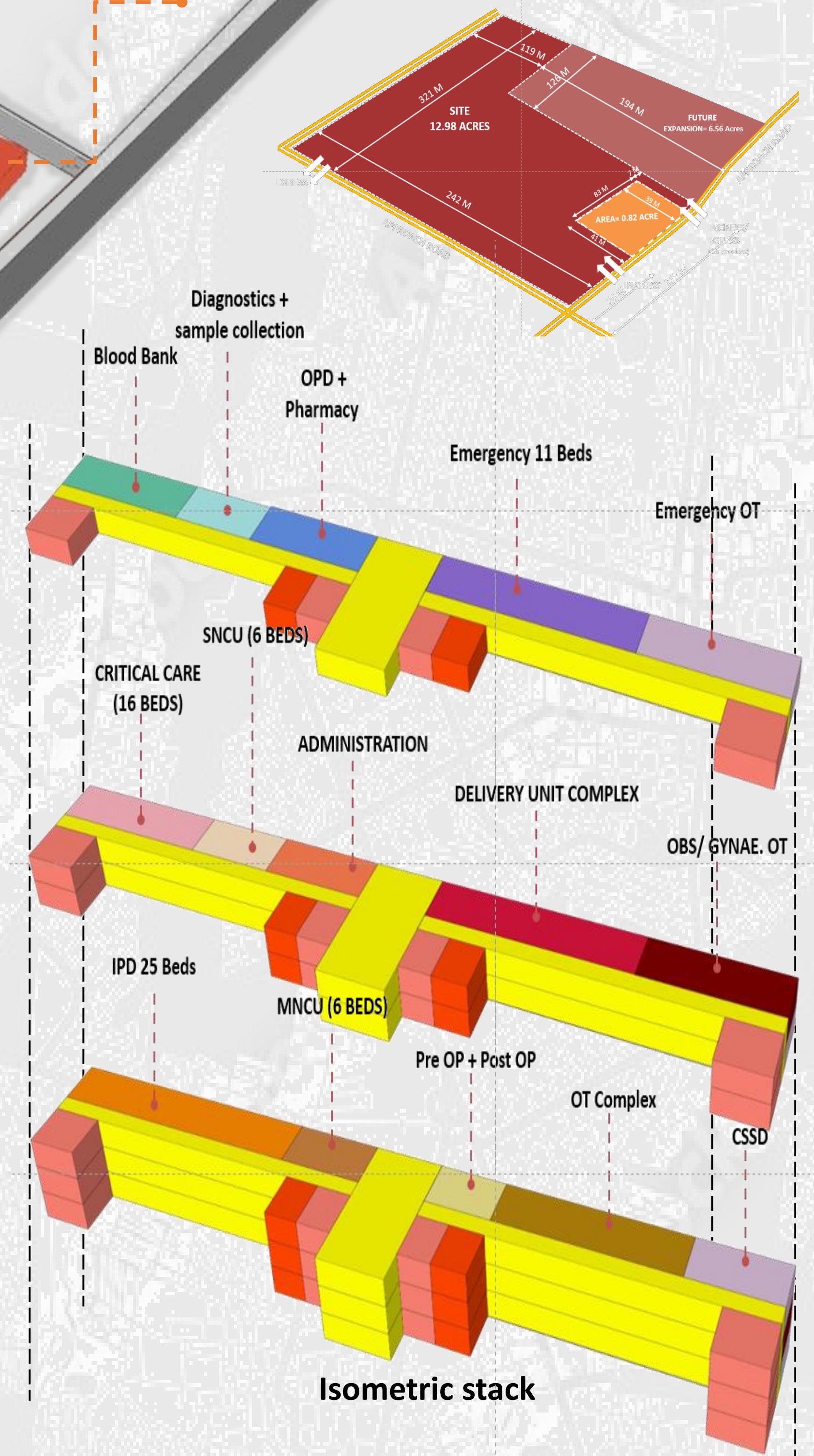
**GENERAL OT (1) + EYE OT (1)
+ CSSD + PRE OP + POST OP
+ DOCTOR'S LOUNGE**

**DELIVERY UNIT COMPLEX
(3 LABOR ROOM + OBS.
GYNAE. OT)**

**EMERGENCY (RED ZONE 3
BEDS + YELLOW ZONE 5 BEDS
+ ISOLATION 1 BED +
PEDIATRIC 2 BEDS + OT)**

CORE

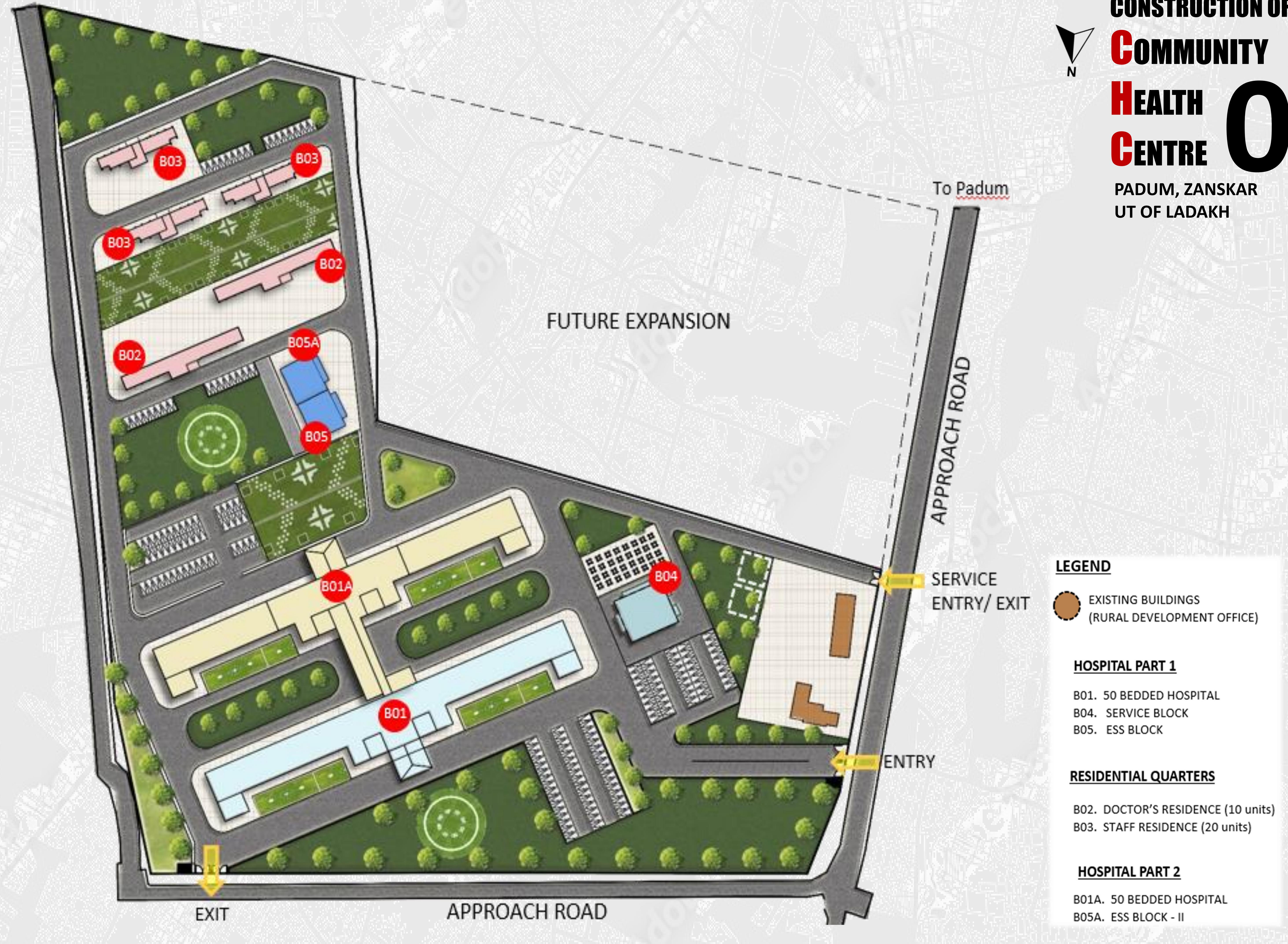
PART 1



CONSTRUCTION OF
**COMMUNITY
HEALTH
CENTRE**

PADUM, ZANSKAR
UT OF LADAKH

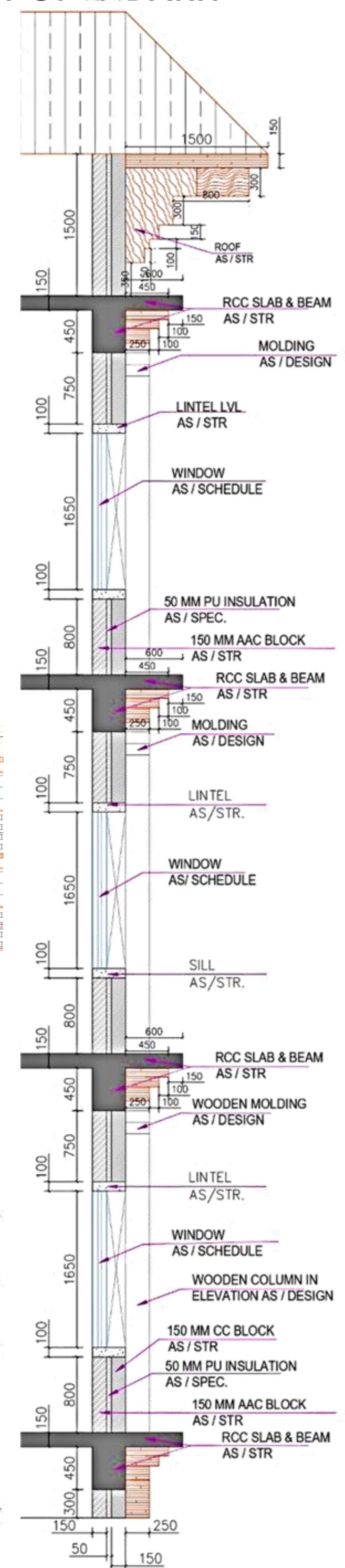
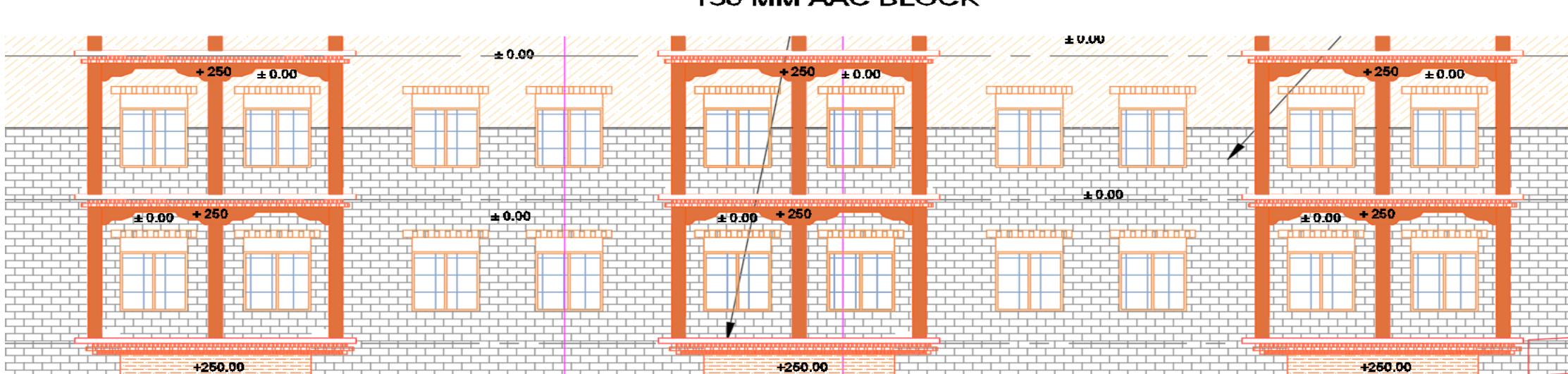
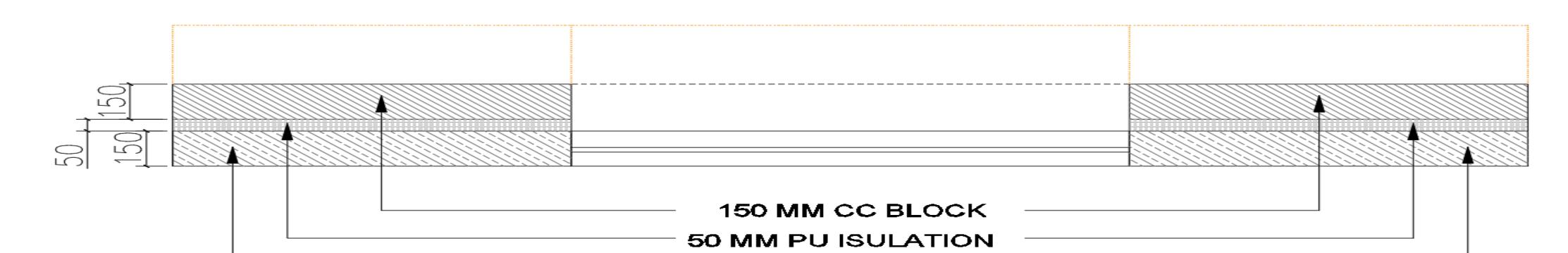
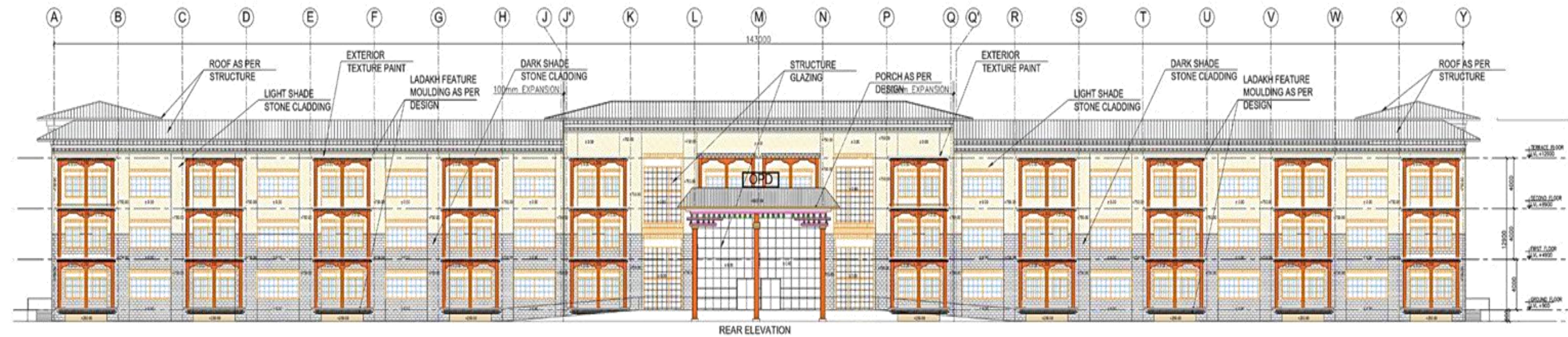
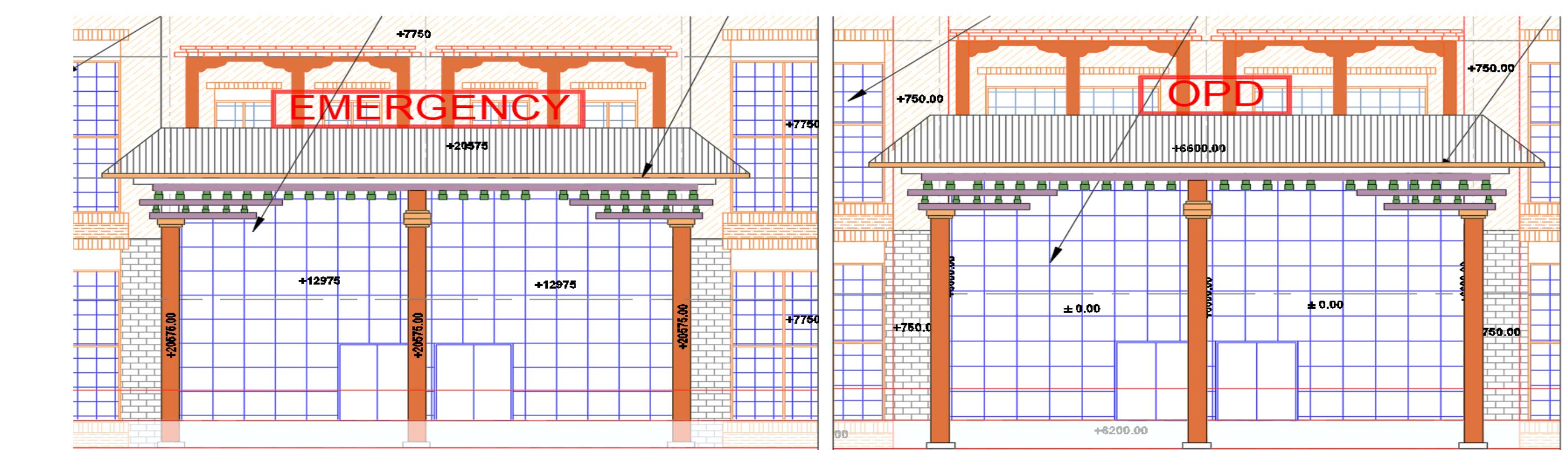
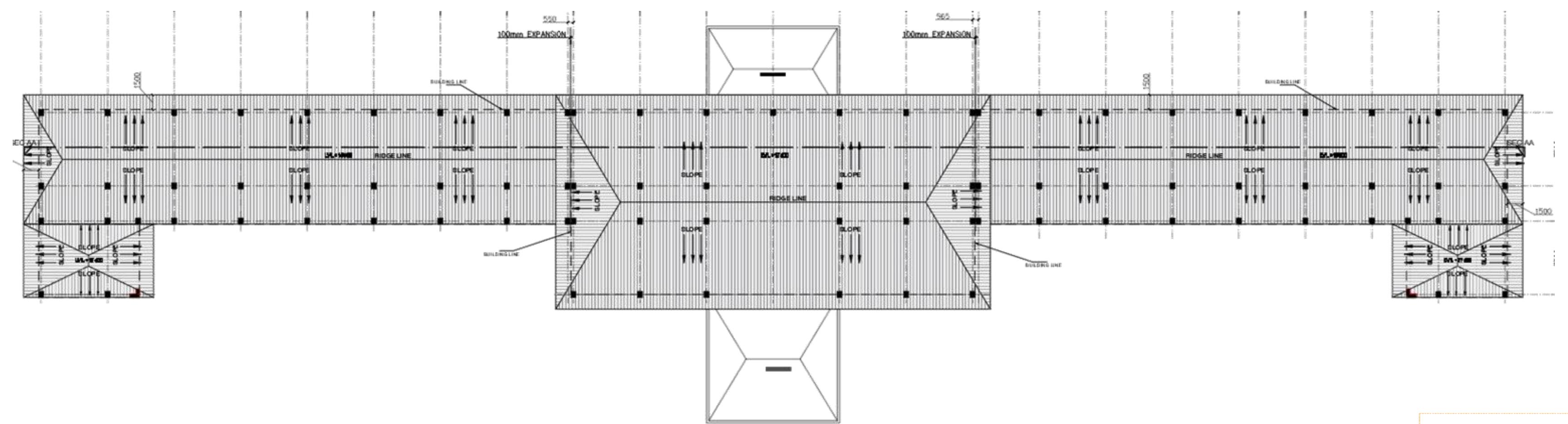
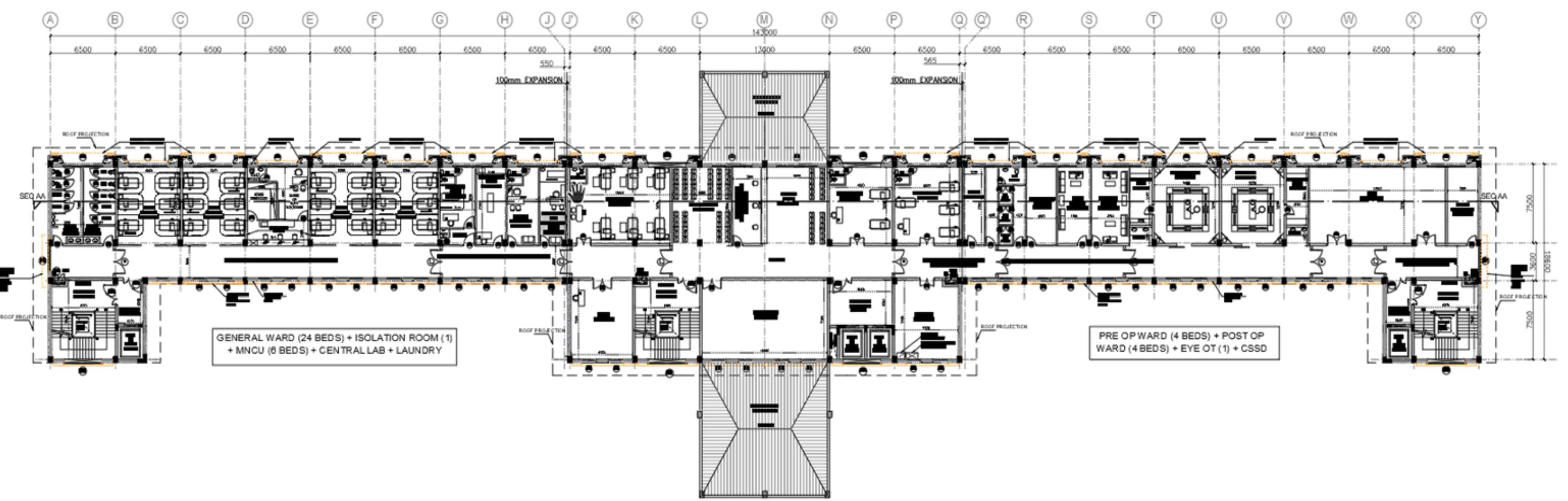
02



CONSTRUCTION OF COMMUNITY HEALTH CENTRE

02

PADUM, ZANSKAR
UT OF LADAKH

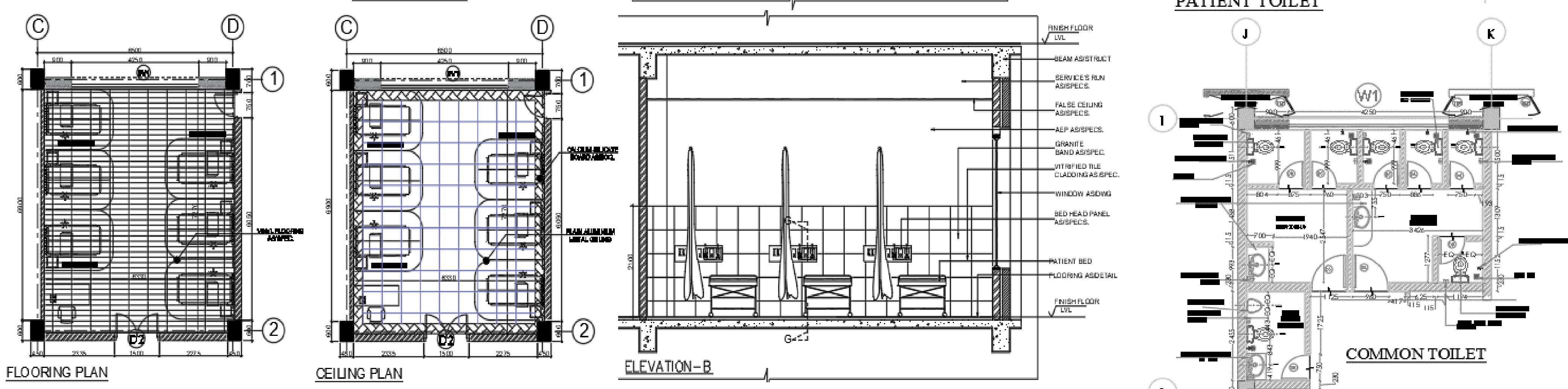
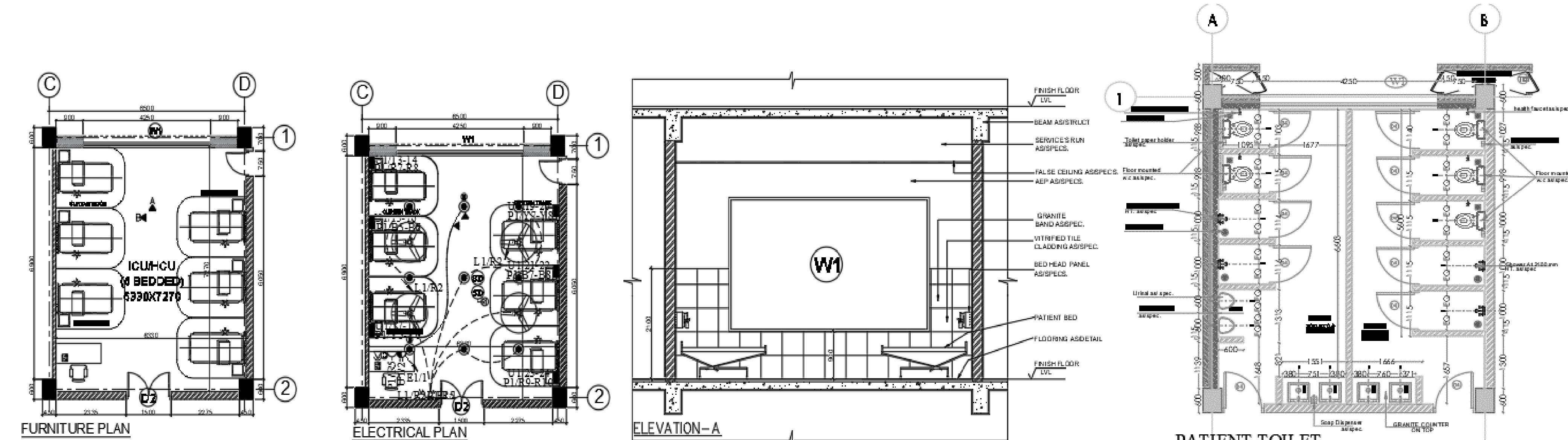
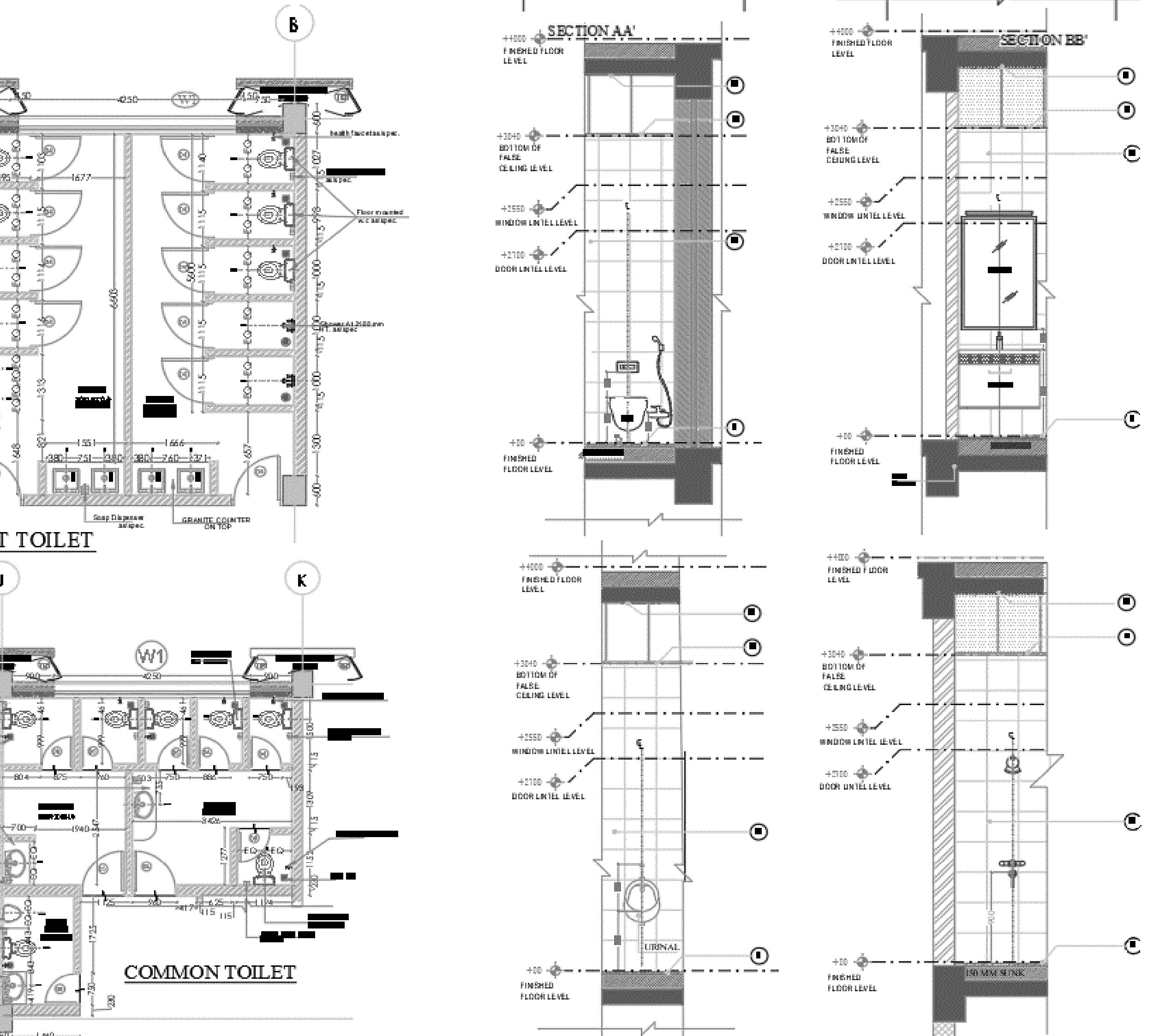
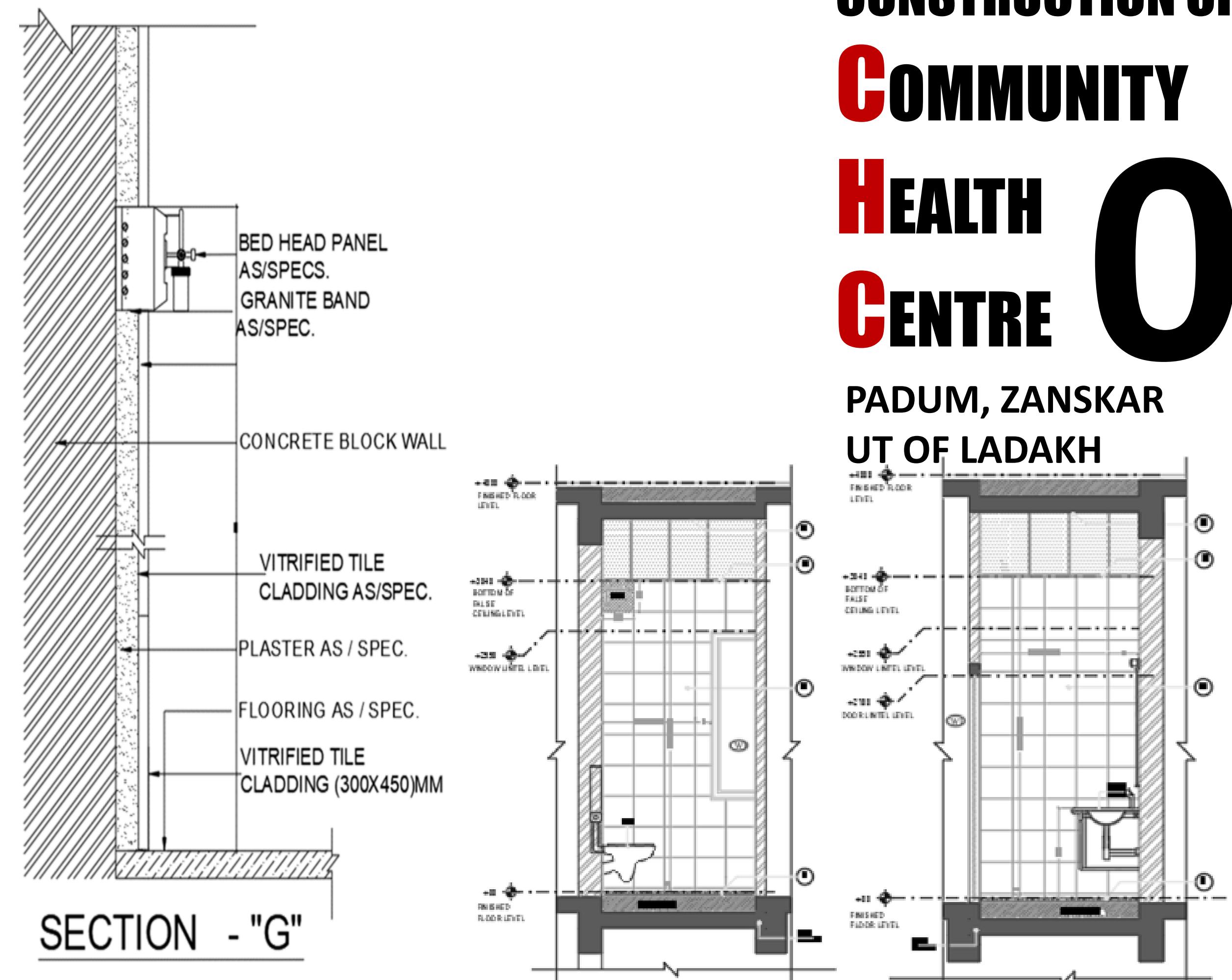
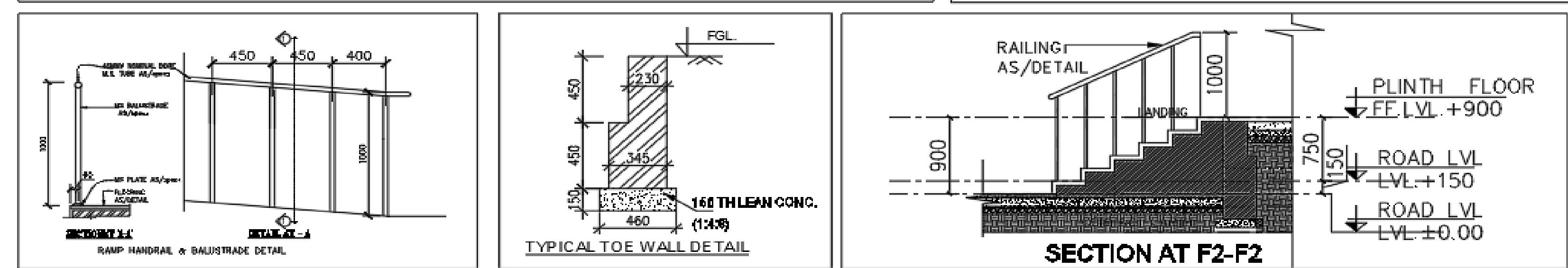
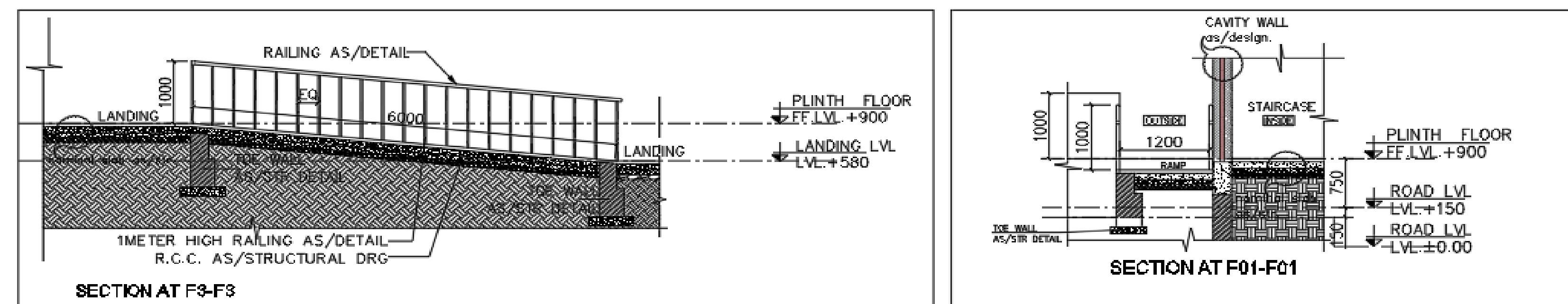
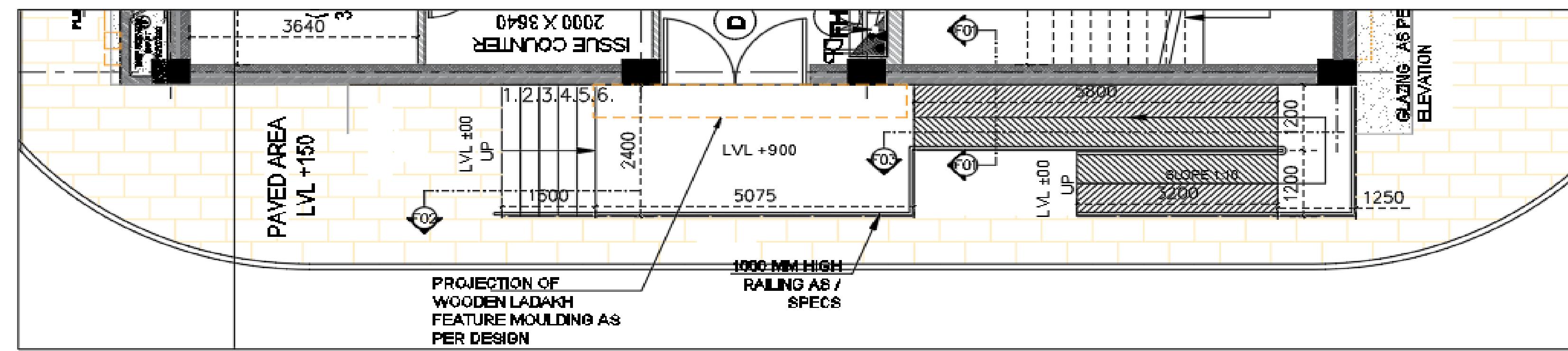


CONSTRUCTION OF COMMUNITY HEALTH CENTRE

PADUM, ZANSKAR UT OF LADAKH

2

WORKING DETAILS



- Client : Government of Odisha
- Project Year : 03-12-2022
- Project Type : Teaching Hospital
- Site : Baripada , Odisha
- Area : 18.31 ACRES

About Project : The 650-bed Balangir Hospital serves as a teaching hospital for the New Govt. Medical College. PWD is the project executive organisation. There are sub blocks with a total built-up area of 62045 sqmt on the site, such as ahar centre, mortuary, recreation centre, pg hostels, staff quaters mortuary etc.

Role : Hospital working drawing | work book detail | site coordination | architecture, structure, and MEP drawing coordination.

CONSTRUCTION OF

650BEDDED

TEACHING

HOSPITAL

03

BALANGIR , ODISHA

