

ARCHITECTURE PORTFOLIO

ABHISHEK SINGH



PERSONAL INFORMATION

Date of Birth 09.02.1997
Current Residence Jabalpur, M.P.
Birth Place Sagar, M.P.

CONTACT

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SOFTWARE SKILLS

████████████████████	AUTOCAD
██████████████	REVIT
████████████████	SKETCHUP PRO
██████████████	V-RAY
██████████████	LUMION 6.0
██████████████	LUMION 8.0
██████████████████	PHOTOSHOP CC
████████████████	FILMORA EDITING
██████████████	MICROSOFT OFFICE
██████████████	ILLUSTRATOR

LANGUAGES

ENGLISH
HINDI

HOBBIES

TRAVELLING
SWIMMING
PLAYING VOLLEYBALL
PHOTOGRAPHY
EDITING / YOUTUBING

EDUCATION

2014 - Current	Bachelors of Architecture Hitkarini College of Architecture & Town Planning (Affiliated with Rajiv Gandhi Proudtyogiki Vishwavidyalaya)
2013 - 2014	Higher Secondary Education Maharishi Vidya Mandir, Jabalpur (M.P.) (Completed 12th Standard)
2011 - 2012	Secondary Education Kendriya Vidyalaya Vehicle Factory Jabalpur (M.P.) (Completed 10th Standard)

WORK EXPERIENCE

2018 - Current	Archimedes India Associates, Ahmedabad (Gujarat) Firm is specialized in Health care Architecture, works on healthcare projects (Internship period of 9 months as per COA guidelines)
2018	Design Innovation studio, Jabalpur (M.P.) Firm works on Residential,Commercial projects only, (Summer Internship after viva for few months.)
2017	Awaneesh Nema & Associates, Jabalpur (M.P.) Firm works on Structure of Residential,Commercial projects only, (Summer Internship after viva for few months.)

COMPETITIONS

2017 - NASA	HUDCO Trophy (Annual Nasa) Task to Develop a Design for Existing Slum Area, with services and to categorise the different ways of employements with the help of design.
2016 - NASA	Annual Nasa Design Competition (ANDC) Task to Re-design existing Residential+Local market area. (Zonal NASA held by BMCA, Bhopal.)
2016 - NASA	Industrial Design Trophy (Zonal) Task to design a backpack for an architecture student, in which we can put T-scales, Set-Squares. Laptop etc., (Zonal NASA held by BMCA, Bhopal.)

ACCOMPLISHMENT

2017 - NASA	Zonal NASA Host-College (Zone 2) Different activities held by our team, Workshops including different state arts, Arch 1:1 construction, softwares workshops Games, Design trophies, (I got assigned to Head Workshops for NASA),
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“The world never knew how great sun was until it struck the side of the building”

In this portfolio I categorised two best projects I made during my Bachelor Degree and Professional drawings which i made during my Internship period.

They offer an overlook of the wide range of planning aspects i faced and of the variety of the topics I dealt with.

All drawings, schemes shown have been made by myself, Group project are not included.



CONTENTS

01. Corporate Office for I.T. Firm

01. (A) Site

01. (B) Concept

02. Resort Hotel with Tourism Desk

02. (A) Site

02. (B) Concept

03. Detailed Drawings

03. (A) Clean Utility detail drawing

03. (B) Two Side Elevations

03. (C) Toilet detail drawing

03. (D) Aluminum Partition drawing

1 . CORPORATE OFFICE FOR I.T. FIRM

PROJECT : THESIS 2018 (CORPORATE OFFICE)

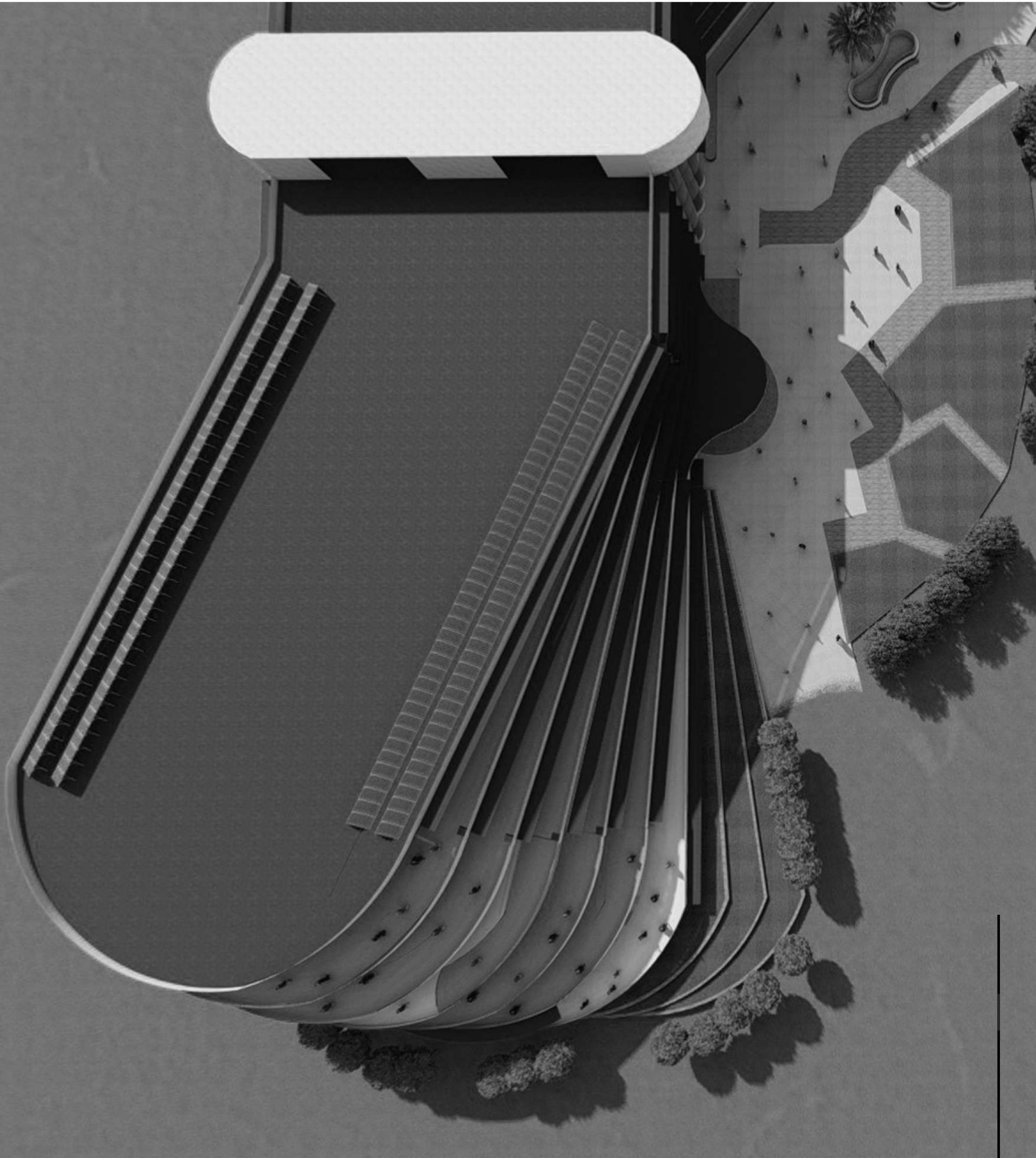
State : Madhya Pradesh (M.P.)

City : Jabalpur

Area : 17 Acres (68,782 sq.m)

F.A.R. : 1.50 (18 metre wide Rd.)

Corporate headquarters is the part of a corporate structure that deals with important tasks such as strategic planning, corporate communications, taxes, law, marketing, finance, human resources, and information technology. Corporate headquarters takes responsibility for the overall success of the corporation and ensures corporate governance. It is sometimes referred to as the head office, which is the location where the executives of a business work and where many of the key business decisions are made. Generally, corporate headquarters acts as a core when the business is operating. The corporate headquarters includes: the CEO (chief executive officer) as a key person and their support staff such as the CEO office and other CEO related functions; the "corporate policy making" functions: Include all corporate functions necessary to steer the firm by defining and establishing corporate policies; the corporate services: Activities that combine or consolidate certain enterprise-wide needed support services.



1A. SITE

Total site area is 17 acres (68,872 sq.m) and rectangular in shape, site comes under the plotting of I.T. park which is proposed in **Jabalpur**, site is facing two internal road one at north-east direction and another one at south-west direction, site is having big rocks because area is hilly.

Site contours are marked in 1-1 metre interval, before planning in the site small exercises are done to understand contours more, so that one can plan accordingly.

First exercise is to understand the slope in the site and depression into that so, that where to cut and fill one can understand and plan accordingly.

Second exercise is to analyse the Highly buildable areas and low buildable areas so that we can find out where the less number of contours are present and plain area availability.

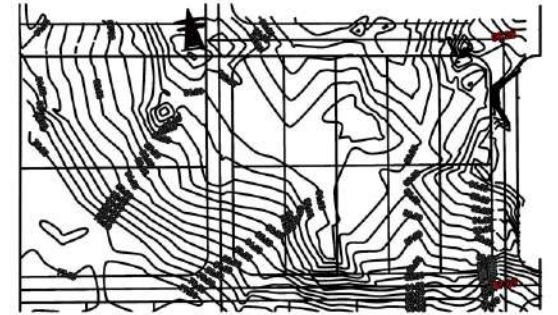


This project is focused on "**CORPORATE OFFICE BUILDING**" which is intentionally planned for a single I.T. company.

This building is supported by other blocks such as ,gymnasium, fitness centre, multi-level parking,guest block and some recreational spaces for employees.



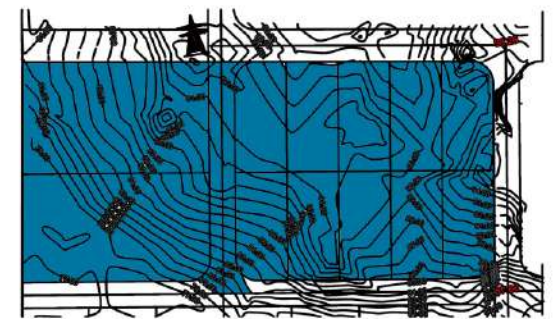
- HIGHLY BUILDABLE AREAS
- LOW BUILDABLE AREAS



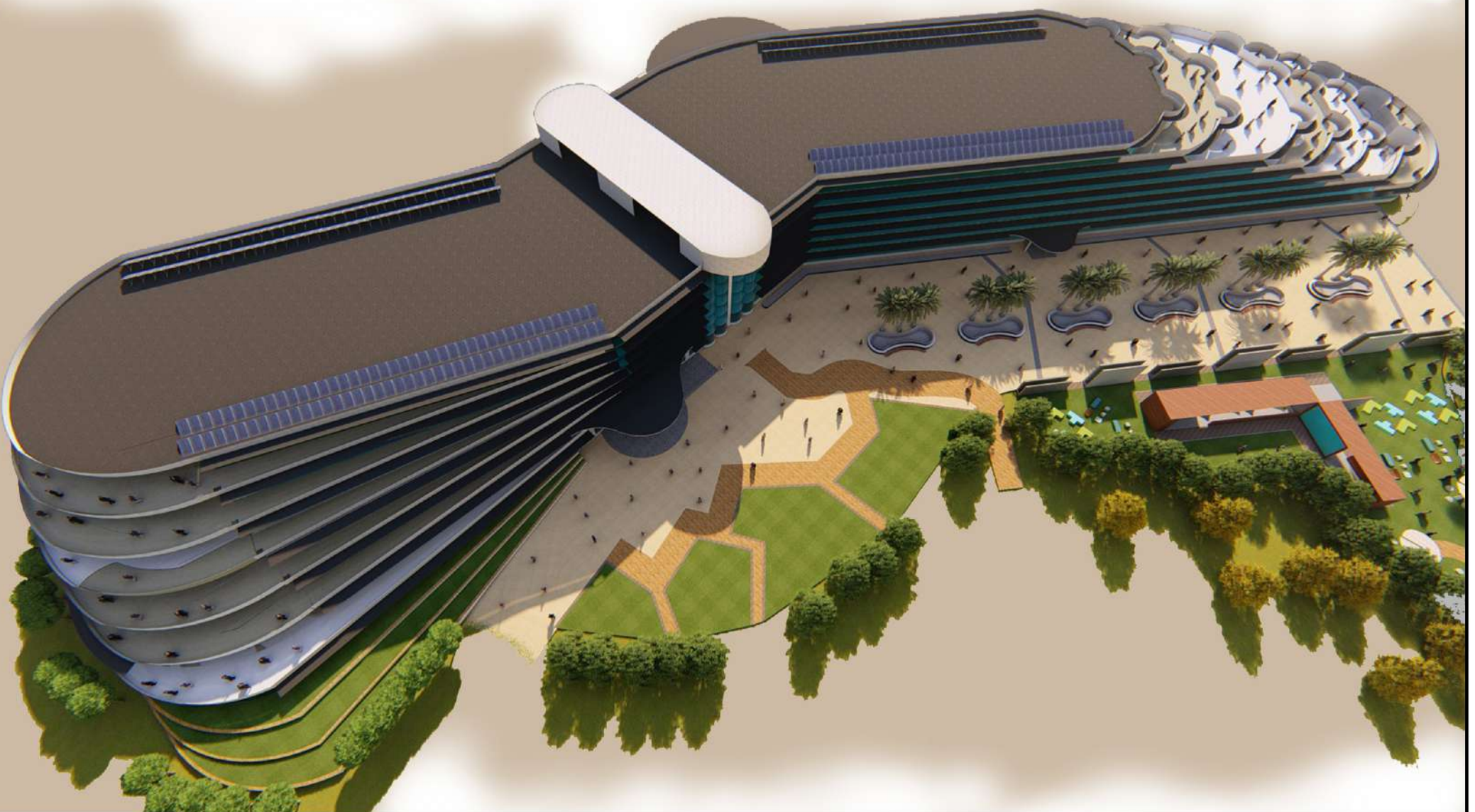
CONTOUR SITE



HIGH/LOW BUILDABLE AREAS



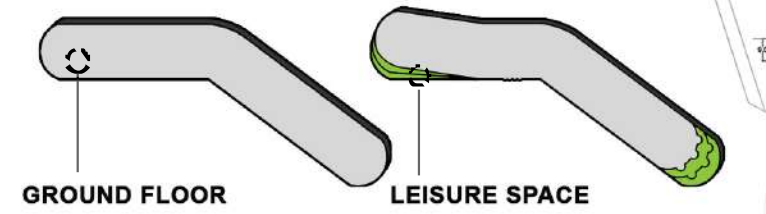
PLOTS UNDER CAPTURED SITE



1B. CONCEPT

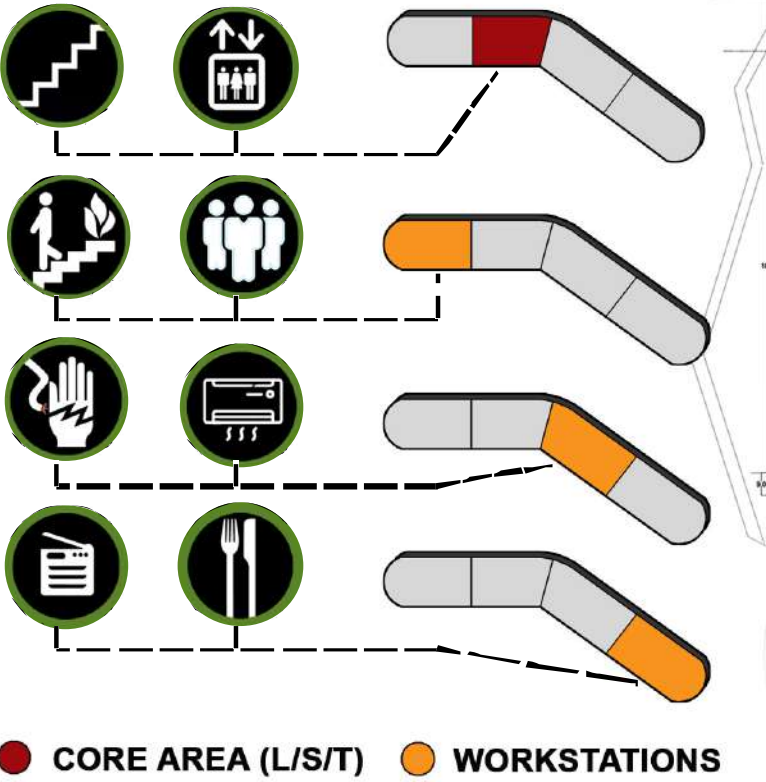
Concept behind this building is to provide maximum **leisure spaces** to the employees which are working in an stressful environm-ent.

After analysing the environment inside the workspace, i decided to create fun and leisure spaces in that same workstations.

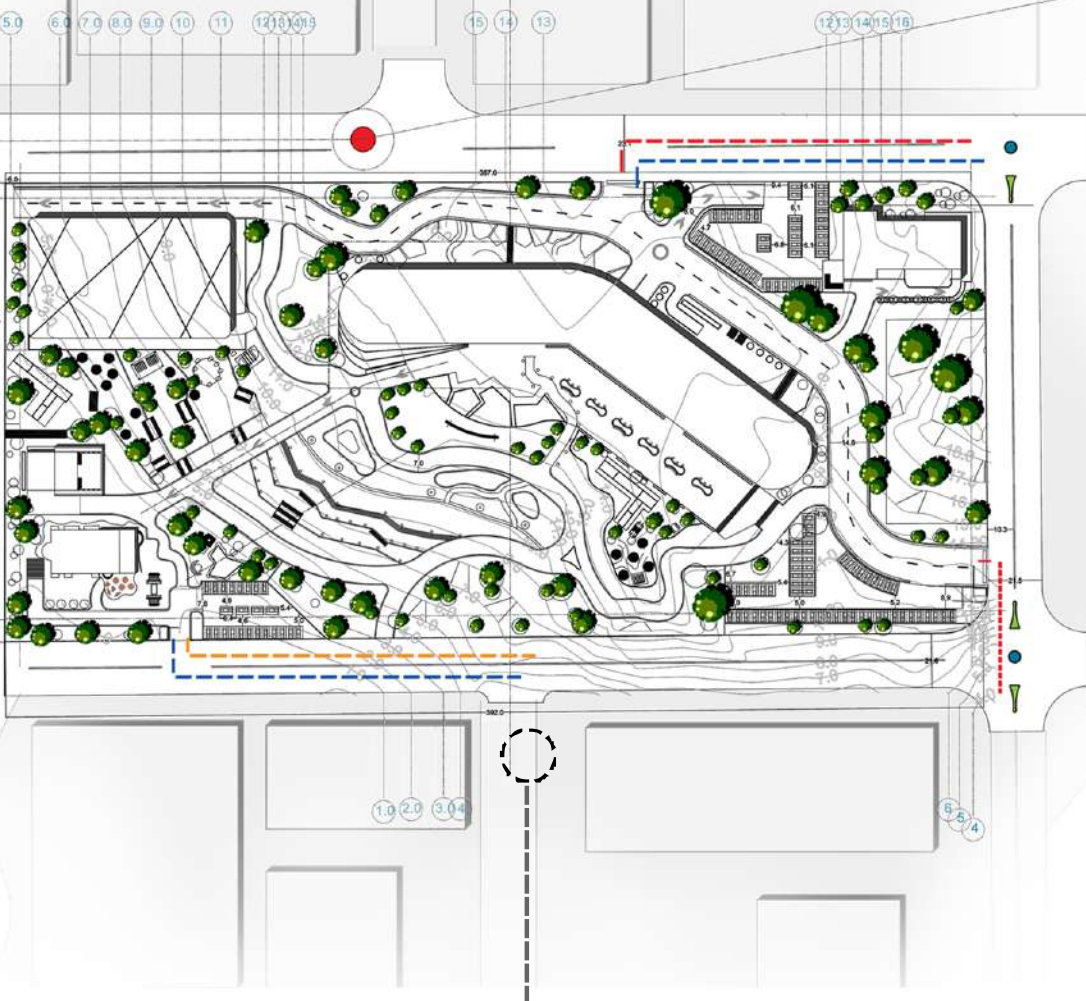


Site is having many **contours** with different distances, which started governing. Thereafter i decided to create impression of contours on my building by **twisting** the floor plates of one side of the building, and by reducing the other side of floor plate of the building.

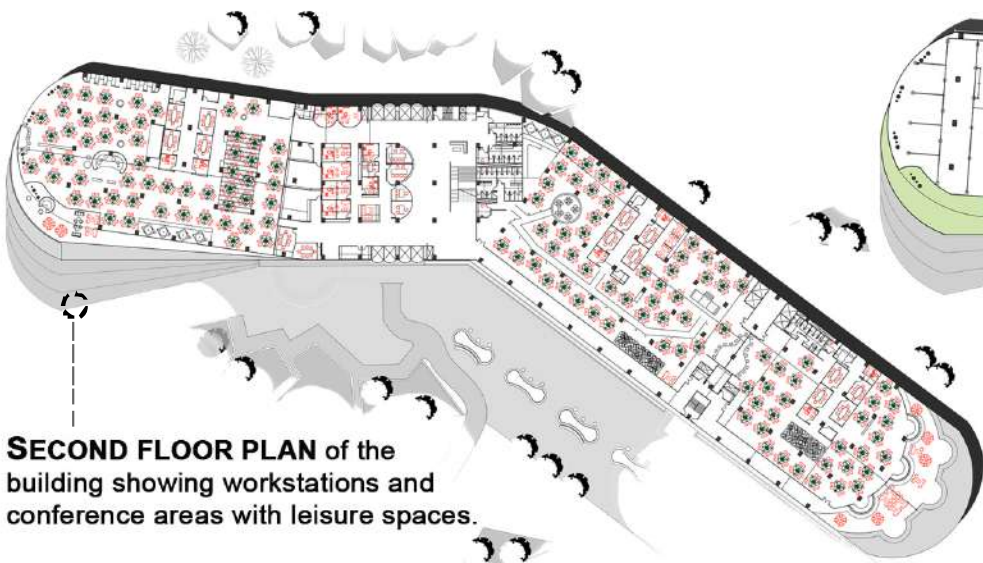
Which helped me to create leisure spaces by **utilizing the lower terrace surface**.



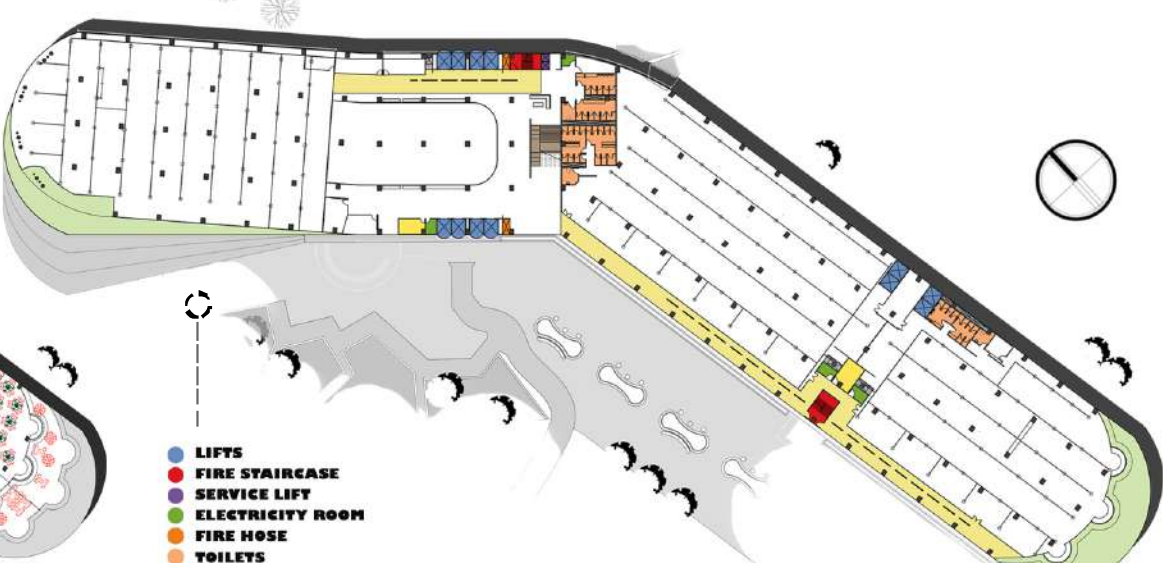
SITE PLAN : SHOWING LANDSCAPING, PEDESTRIAN MOVEMENT



SITE PLAN : SHOWING CONTOURS & PLANNING ACCORDING TO IT



SECOND FLOOR PLAN of the building showing workstations and conference areas with leisure spaces.



THIRD FLOOR PLAN of the building showing workstations and conference areas with leisure spaces.

2. RESORT HOTEL WITH TOURISM DESK

PROJECT : THIRD YEAR 2017 (RESORT HOTEL)

State : Madhya Pradesh (M.P.)

City : Mandla

Area : 7 Acres (28,322 sq.m)

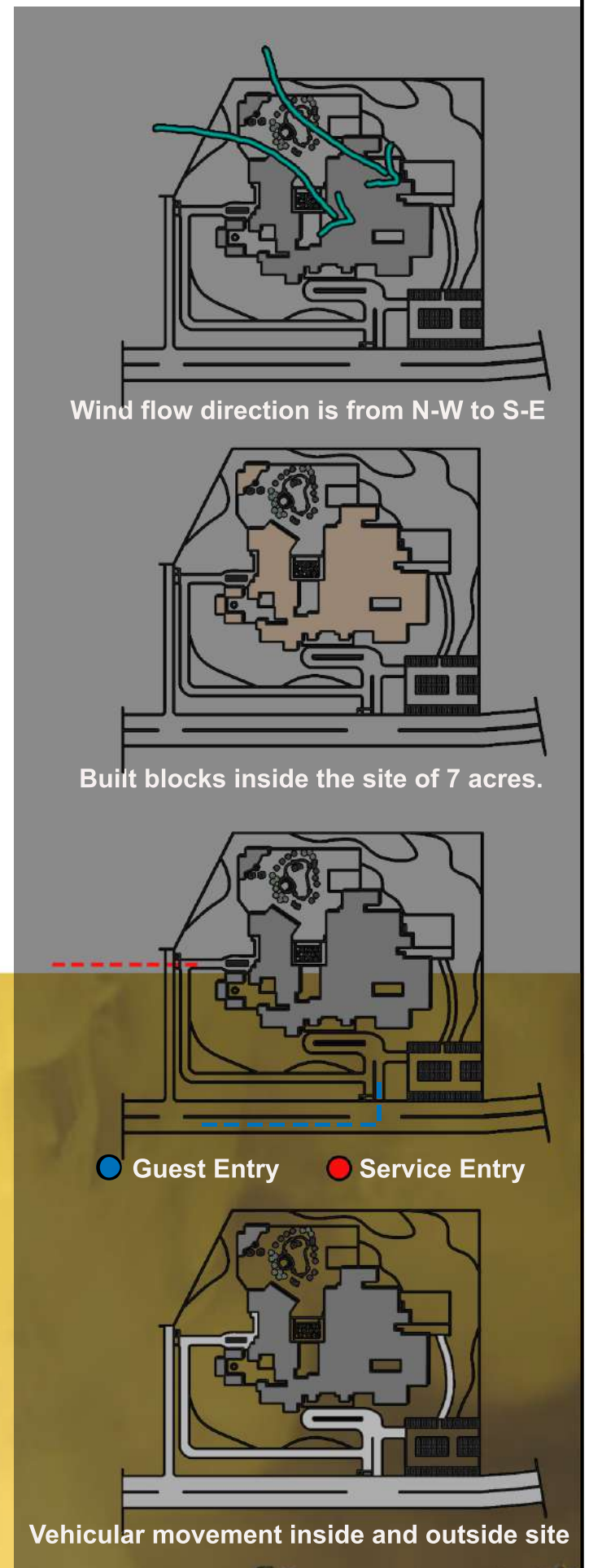
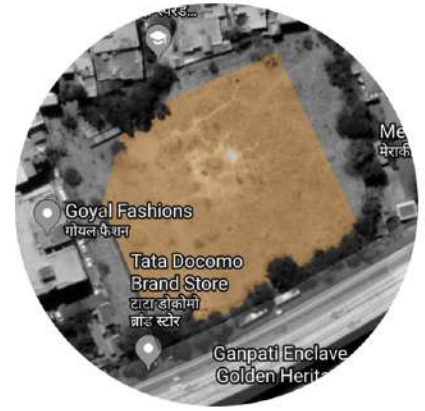
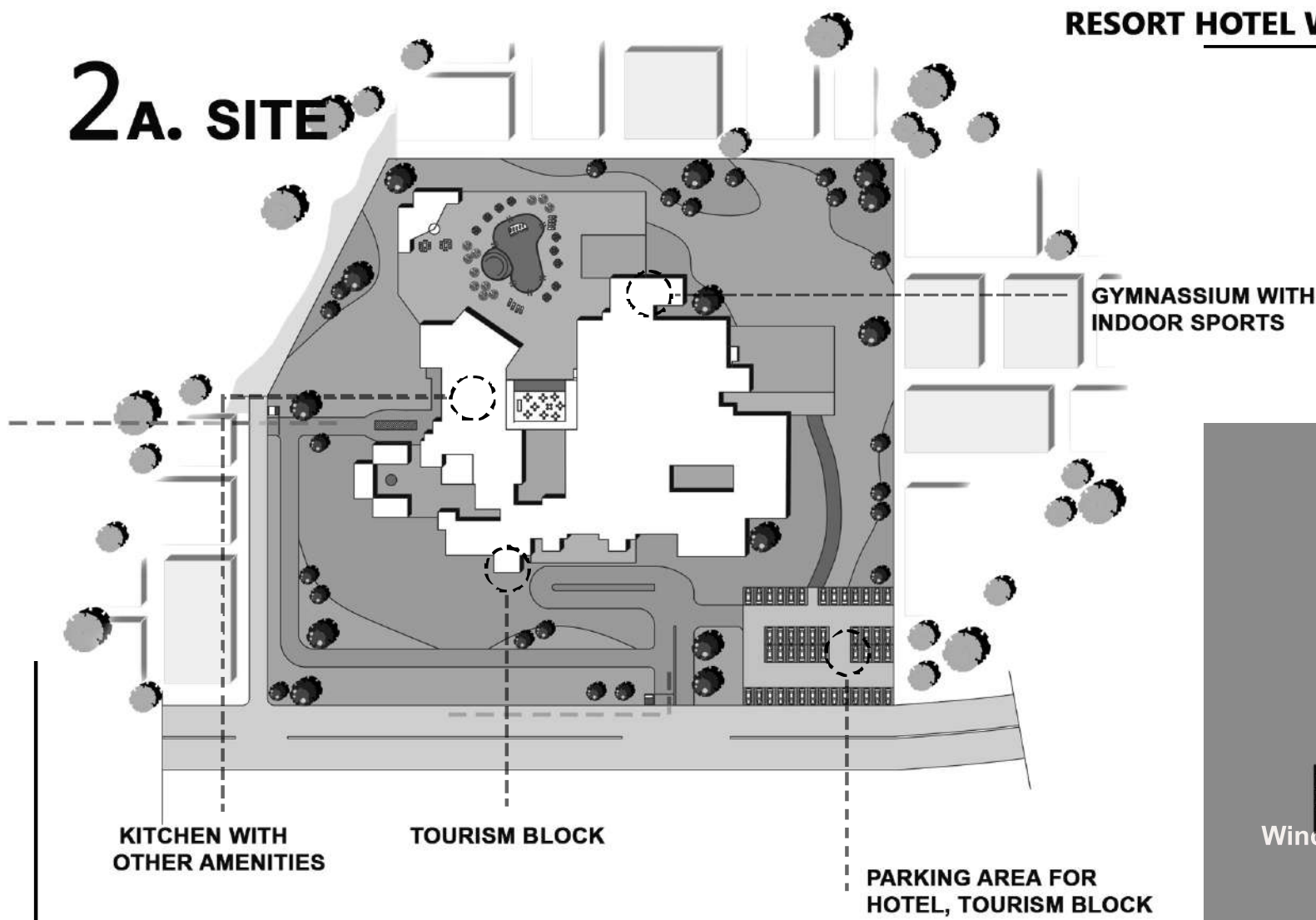
F.A.R. : 1.50 (18 metre wide Rd.)

A resort (North American English) is a self-contained commercial establishment that tries to provide most of a vacationer's wants, such as food, drink, lodging, sports, entertainment, and shopping, on the premises. The term resort is used for a hotel property that provides an array of amenities, typically including entertainment and recreational activities. A hotel is frequently a central feature of a resort.

Tourism desk introduced as a different element which will help the tourist from different countries and can resolve the queries, with the help of its back office support. By keeping that thing in mind project proposed accordingly with assigned area for tourism desk.



2A. SITE



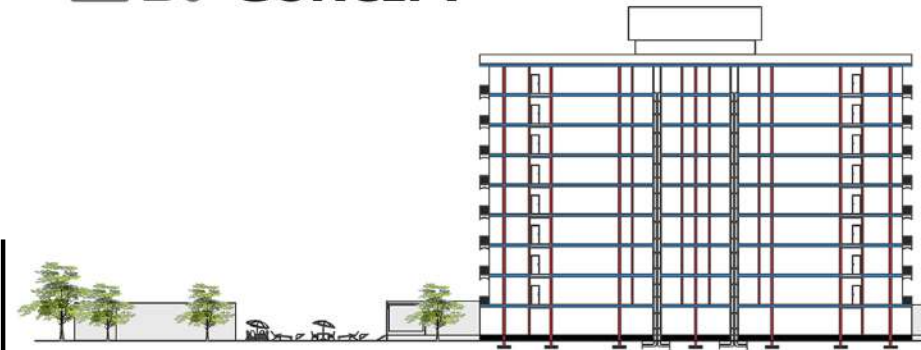
This project is on “**RESORT HOTEL**”, this building gives a platform to both resort and hotel to perform function properly & separately. where this resort hotel supported by exhibition area, library and conference area, multi-purpose hall, library, gymnasium etc., This building is having commercial area with 9 number of shops with store for guests. In total there are 3 restaurants with one formal dine for guests.& exhibiton area is provided for display purpose and it is well connected to the front desk of hotel reception and tourism reception.

ABOUT STRUCTURE:

The required setback in front is 9 metre, but tolet guest enjoythe view of multi-storeyed building, i provided front setback more than 9 metre with landscaping and parking area, 18 metre wide road gives far of 1.50 and front setback 9 metre and other side 6 metre. Parking is provided in front so, that it can serve main hotel block, tourism office & to lawn guest.



2 B. CONCEPT



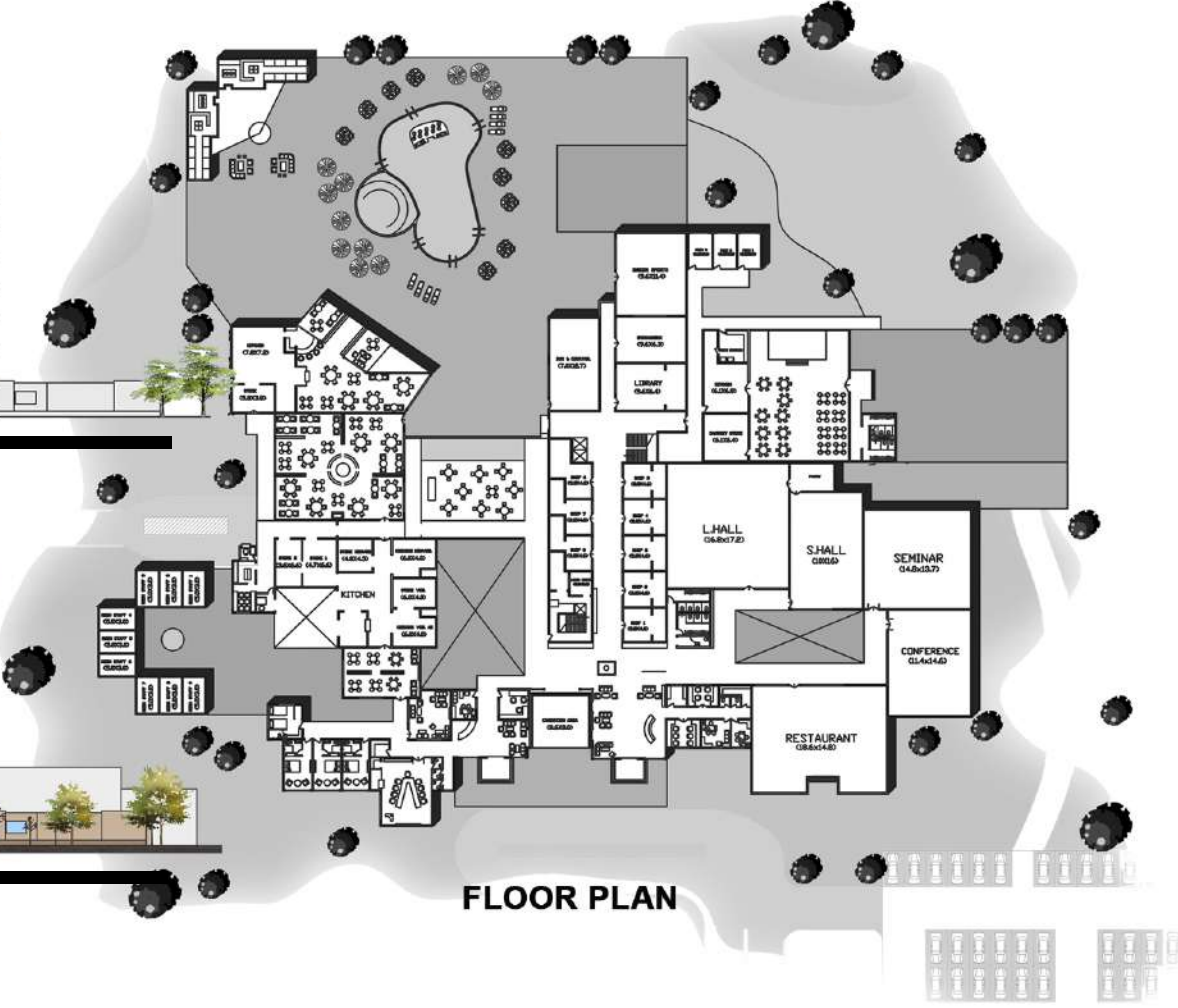
SECTION X-X'



ELEVATION S-W



FRONT ELEVATION SOUTH



FLOOR PLAN

Concept behind this project is to provide maximum open spaces and to generate **relationship** between interior and exterior spaces.

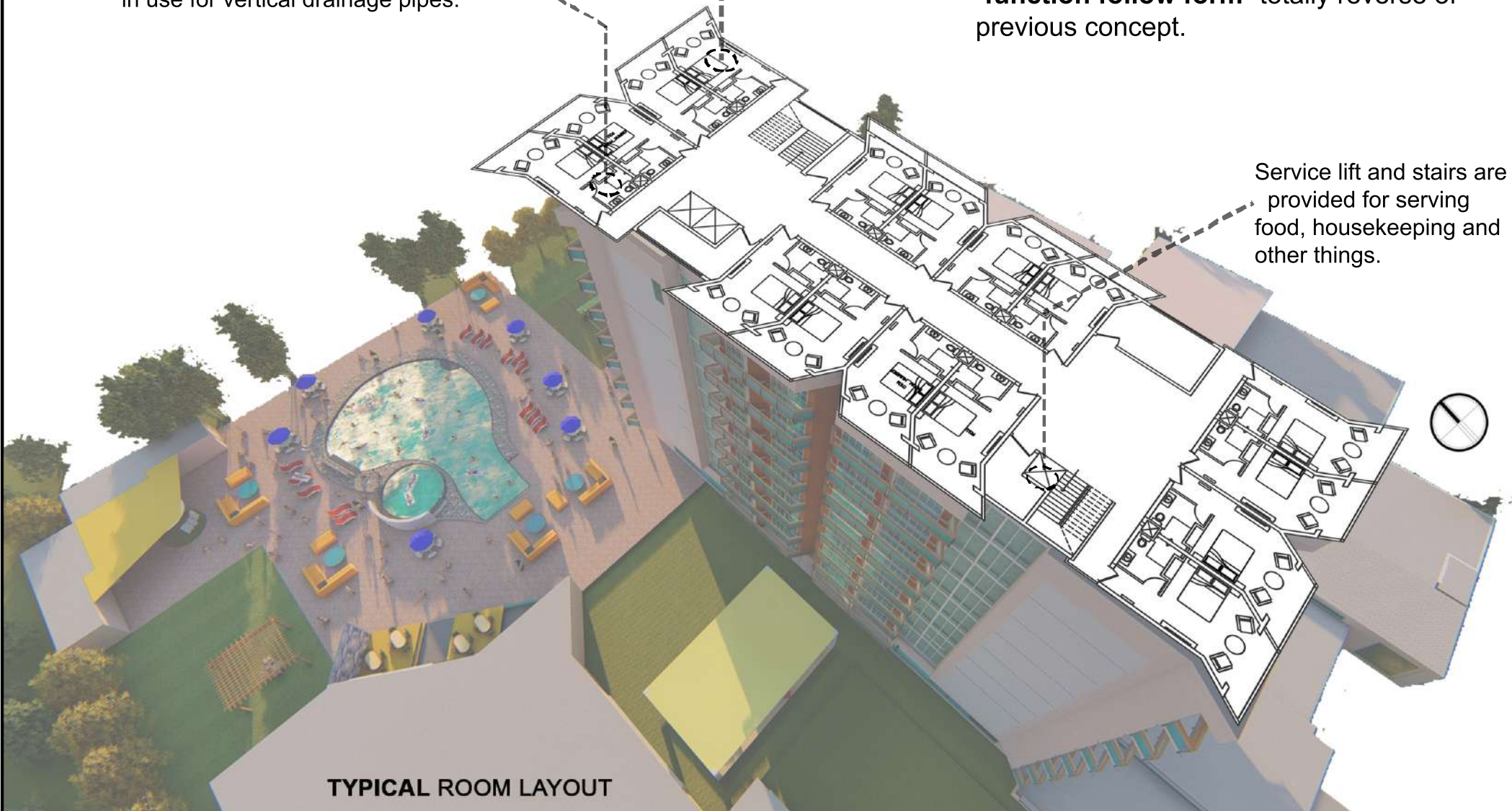
This multi-storeyed building is having guest rooms and suites with service area, balconies in room at 45 degree for aesthetic purpose by considering the functionality of the space as well.

I basically believe in “**form follow function**” but for this project , and to understand the concepts of architecture, i tried here “**function follow form**” totally reverse of previous concept.

Rooms are mirror of each other with carpet area of 28 sq.m excluding, with balcony of 4.8 sq.m

Because of placing rooms next to each other, common shaft comes in use for vertical drainage pipes.

Service lift and stairs are provided for serving food, housekeeping and other things.



TYPICAL ROOM LAYOUT

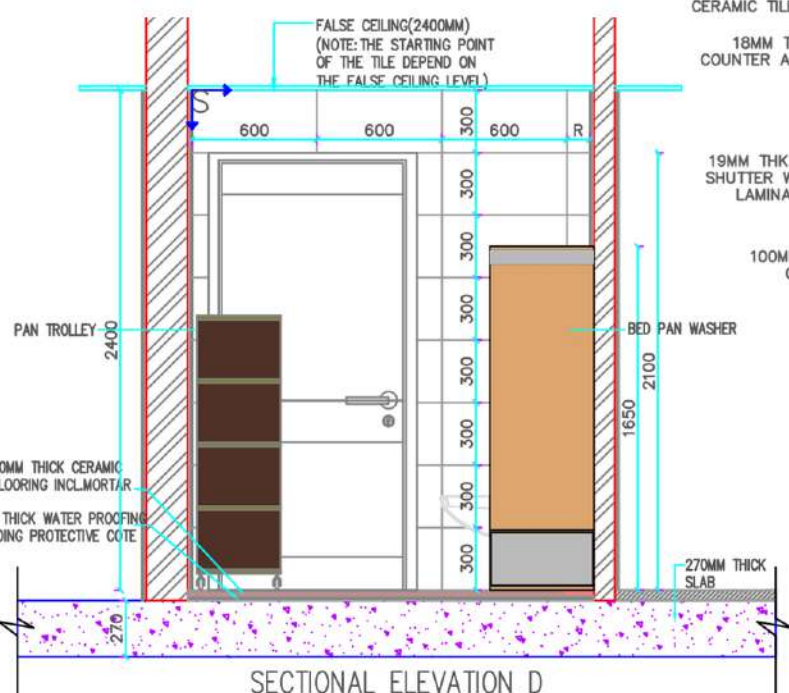
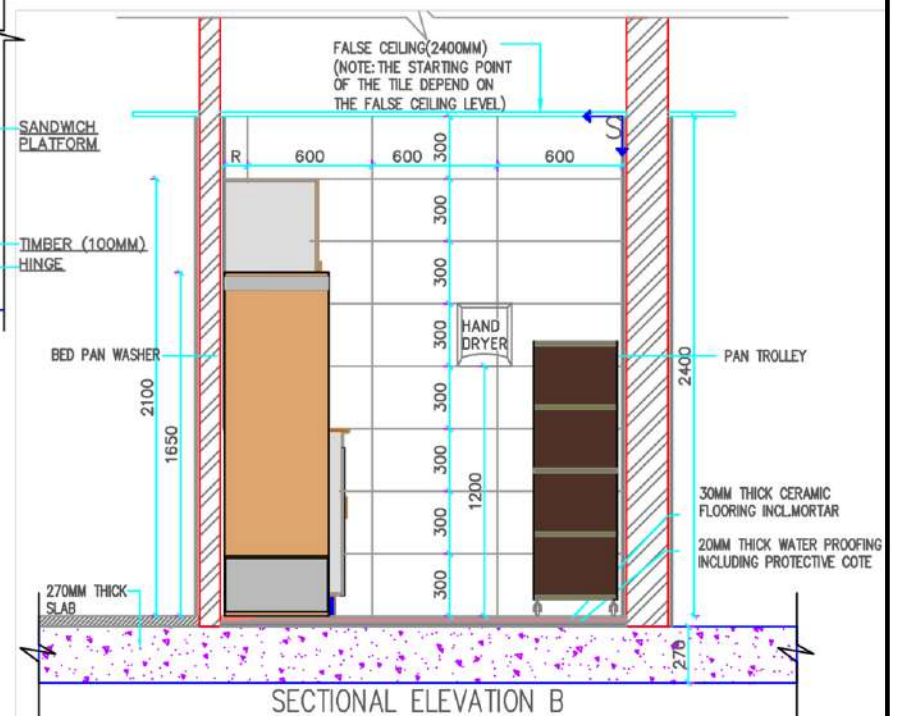
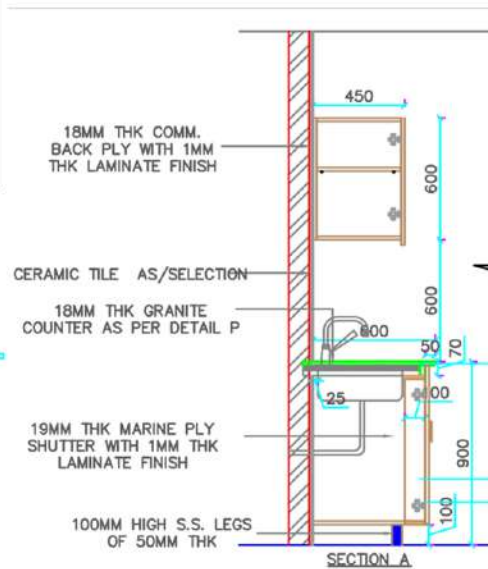
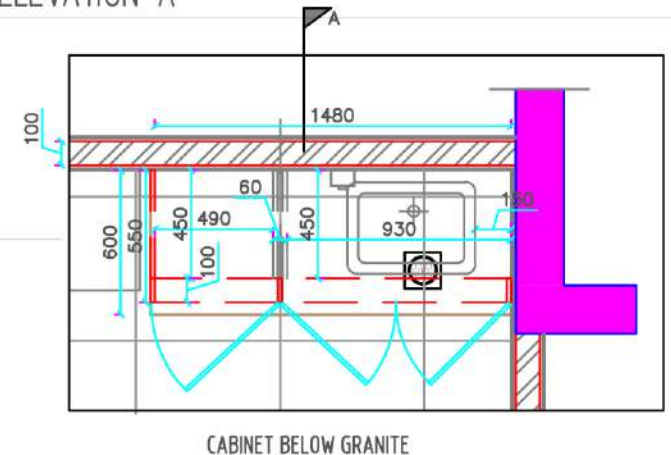
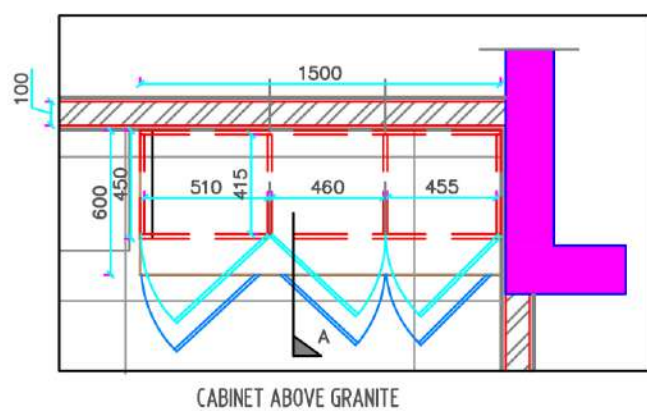
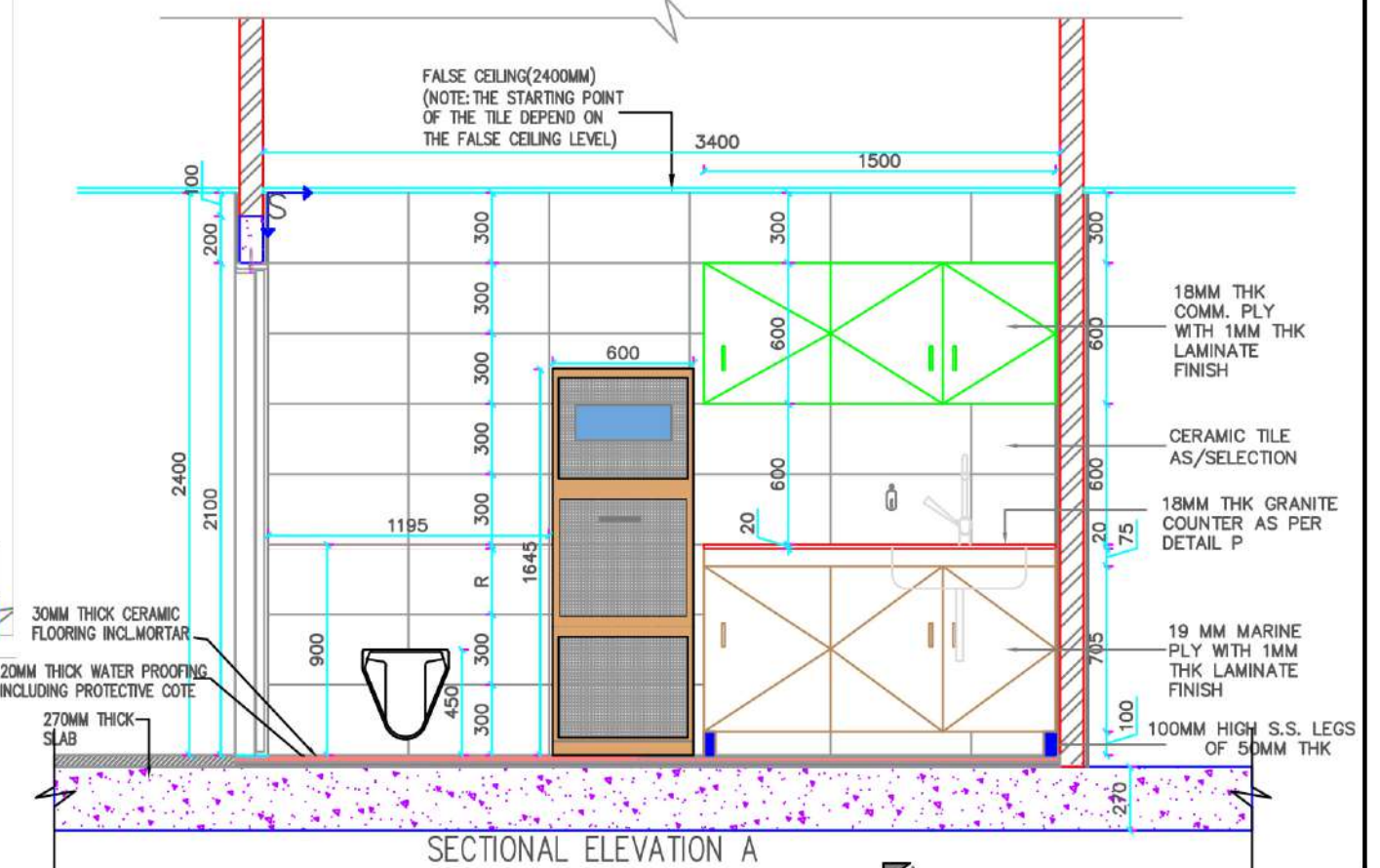
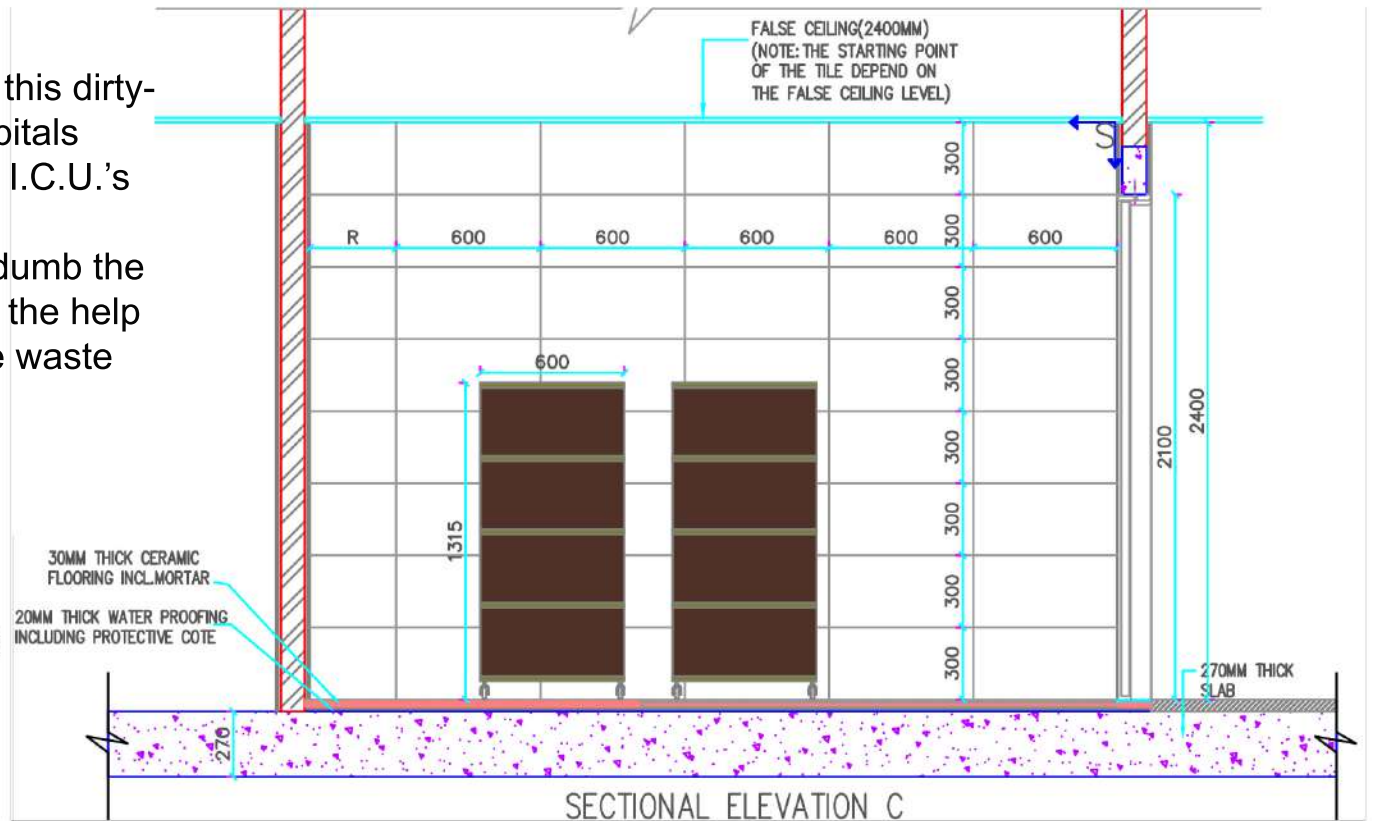
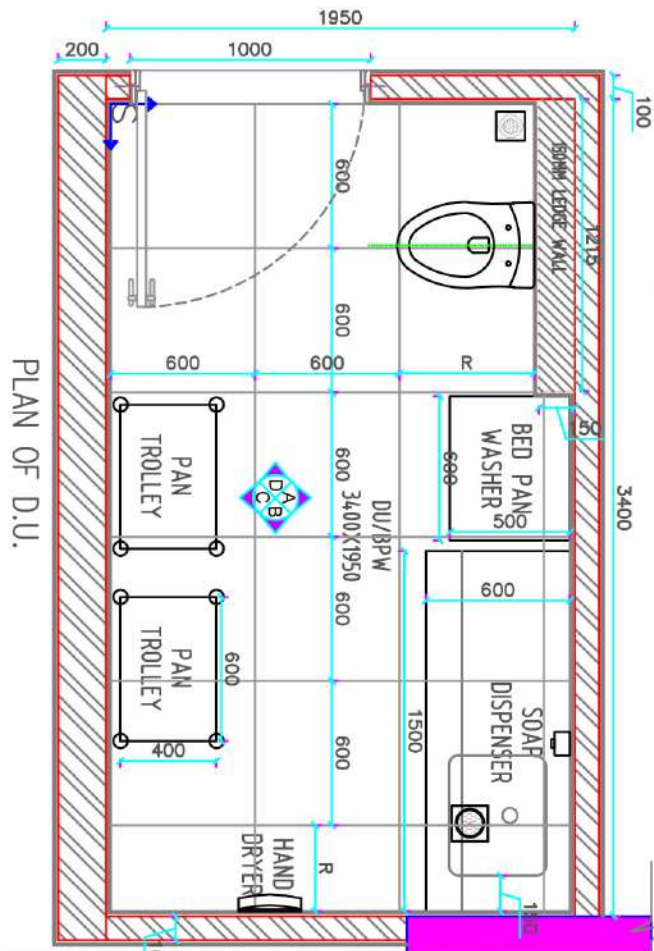
SOME DETAILED DRAWINGS

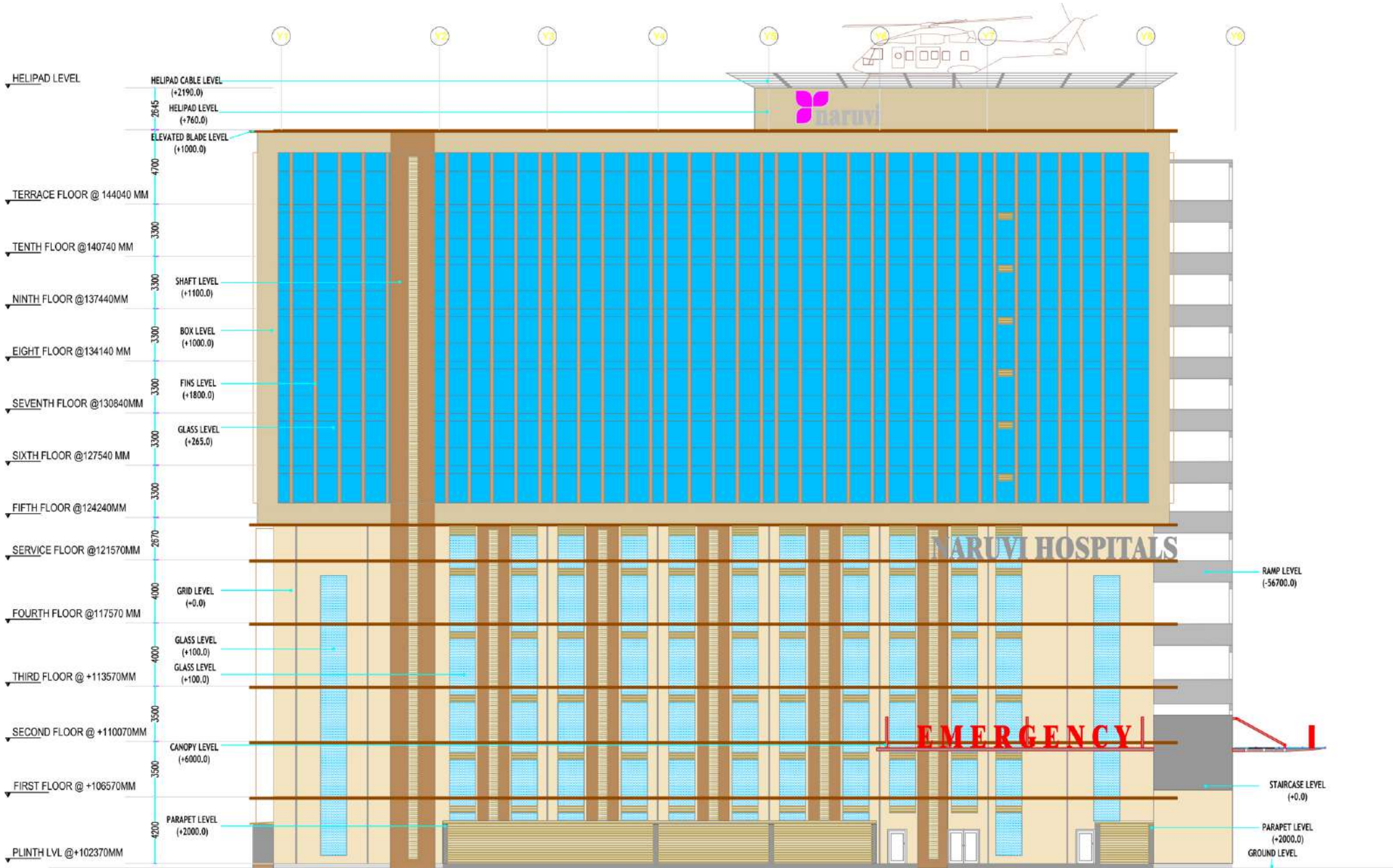
After completing my four year academic course i joined **ARCHIMEDES INDIA ASSOCIATES** firm for my internship period for nine months, worked on different projects which were mainly hospitals because firm basically work on healthcare projects only, so i worked on detailed drawings as well as group planning exercises.



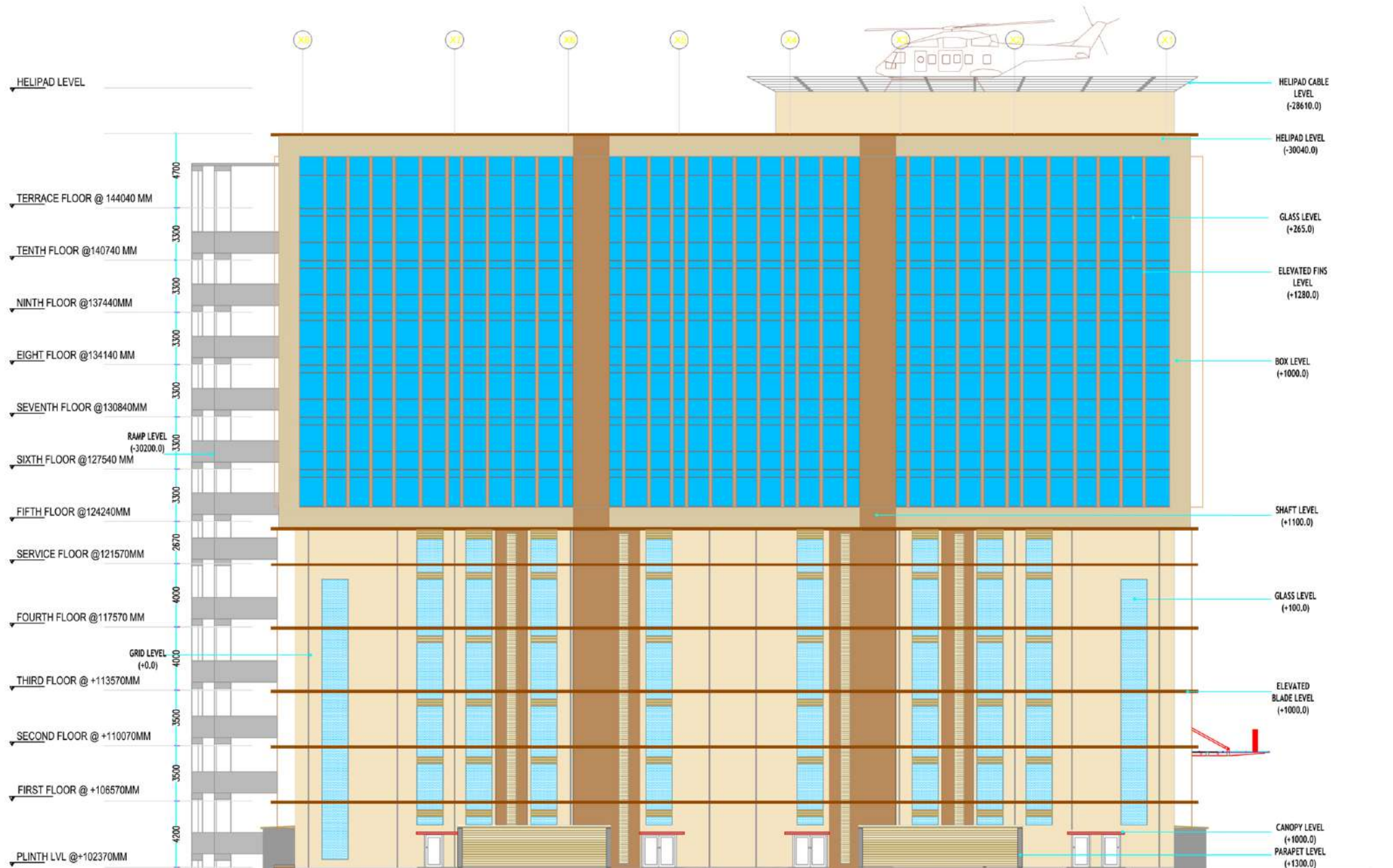
The plan which is shown is **Dirty Utility**, this dirty-utility is a facility which is required in hospitals generally we provide it in General wards, I.C.U.'s

This dirty utility service gives a space to dump the waste coming out from patient's and with the help of **Bed Pan Washer**, nurse can clean the waste holder equipment.

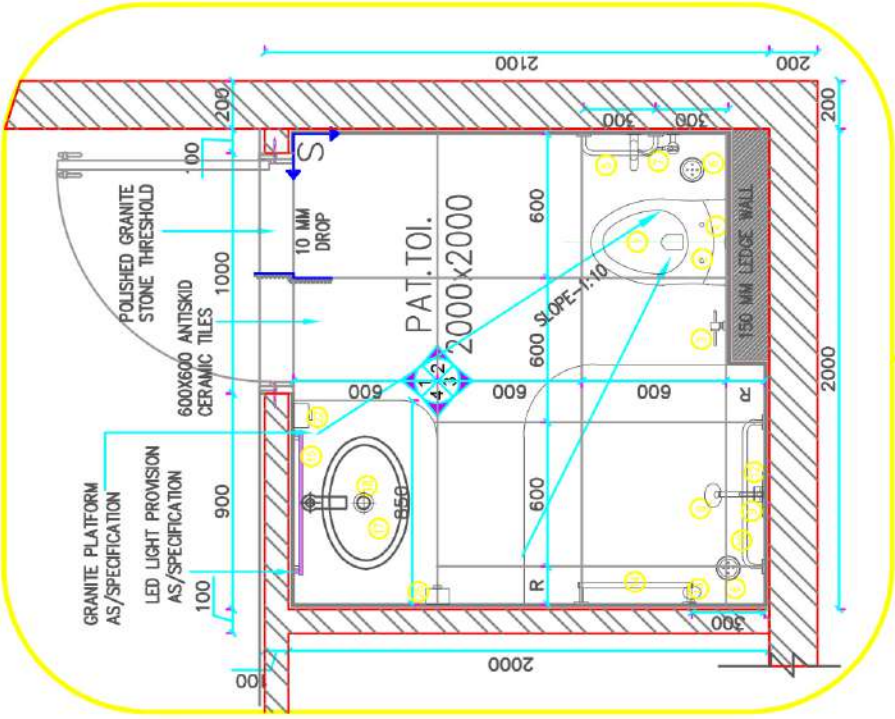




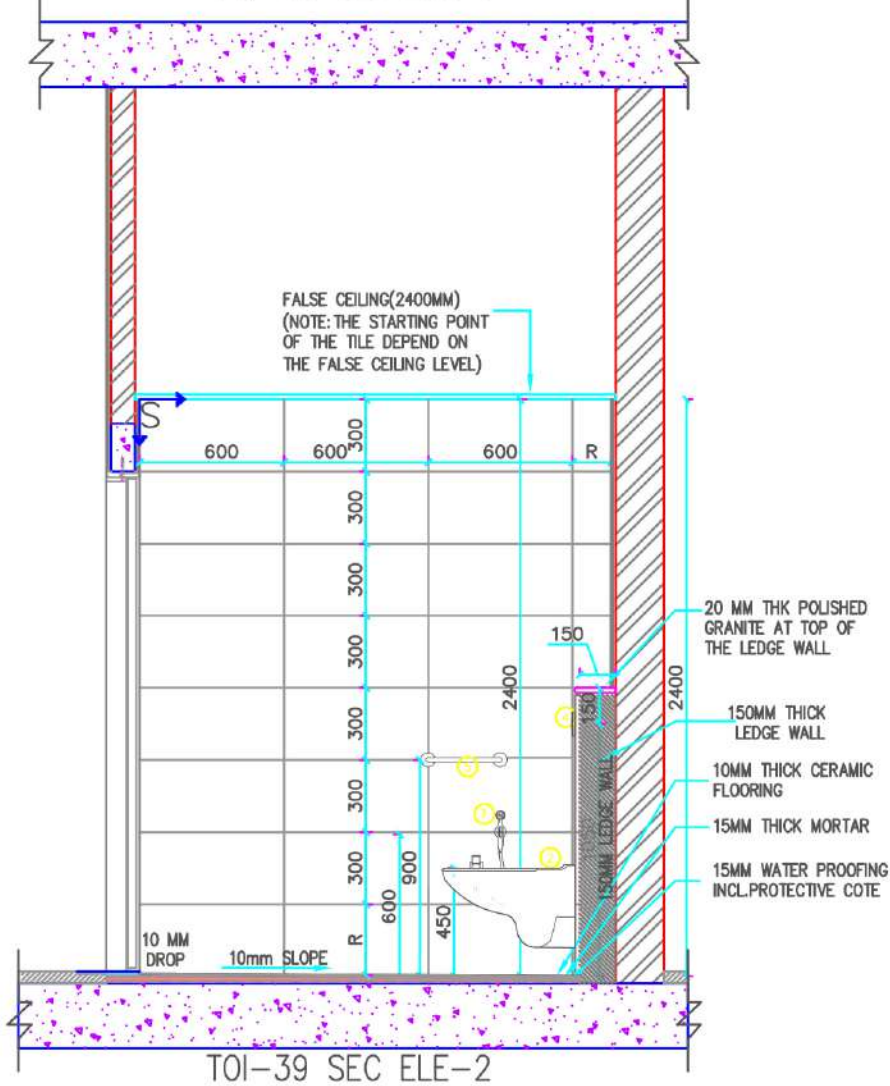
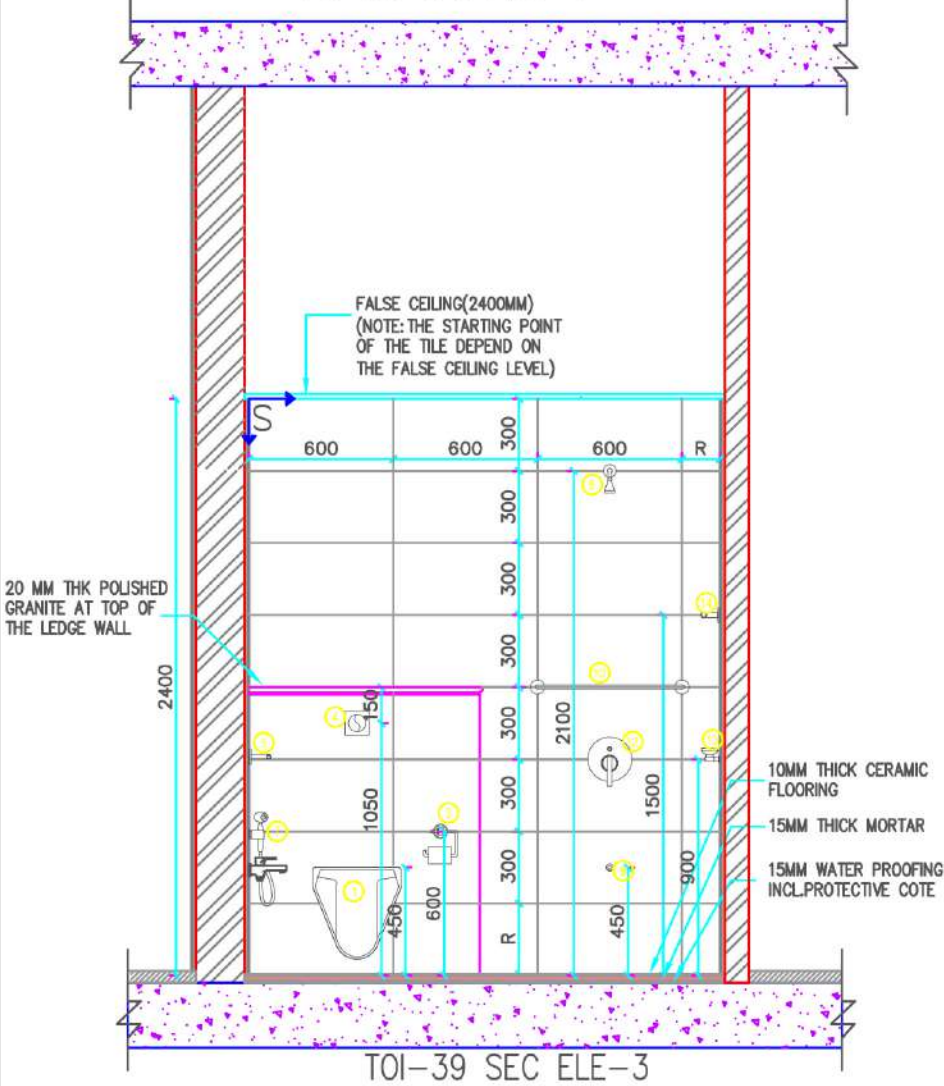
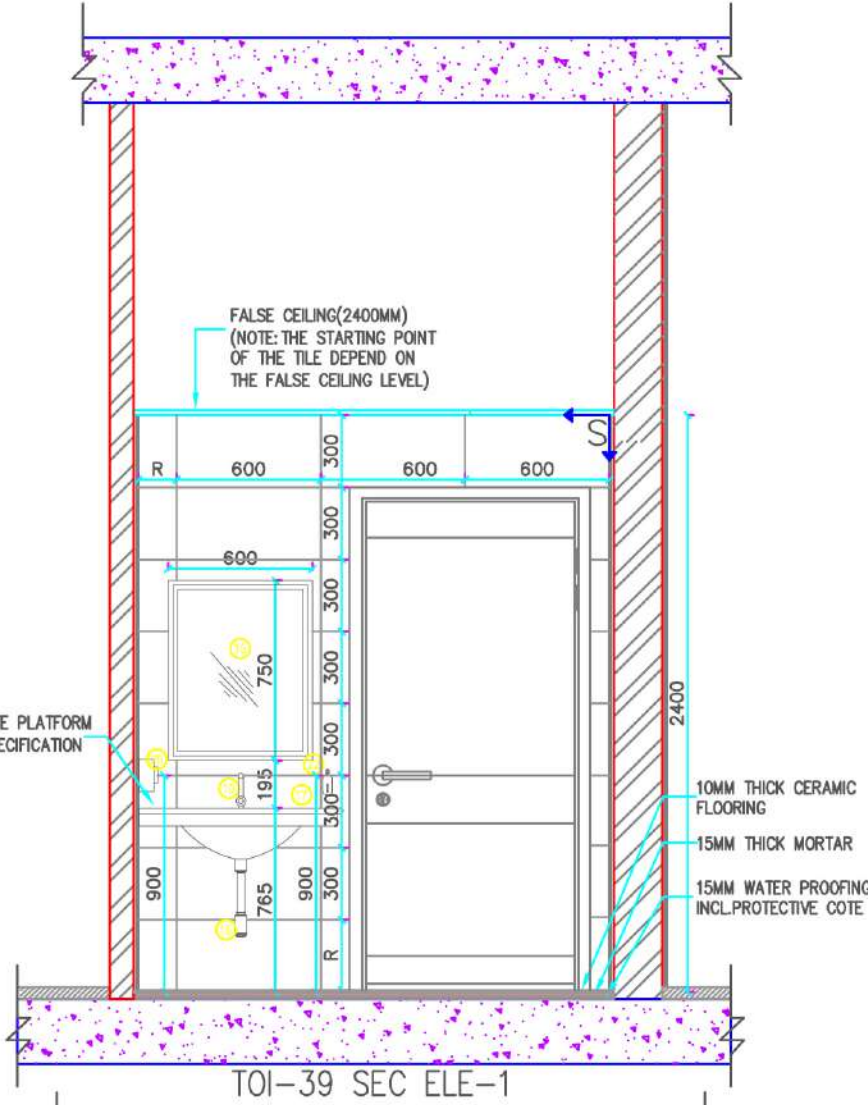
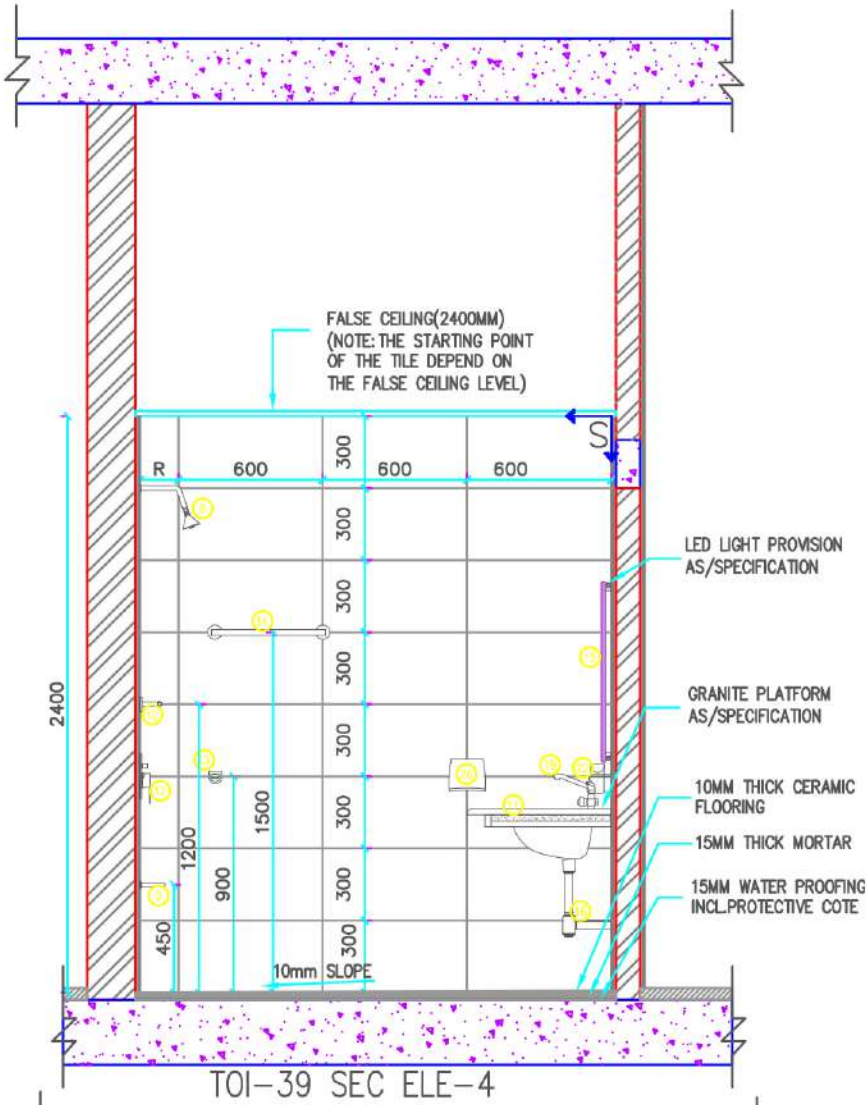
SOUTH SIDE ELEVATION
(EMERGENCY ENTRANCE)



WEST SIDE ELEVATION



LEGEND	
NO.	FITTINGS & FIXTURE
1	WALL MOUNTED EUROPEAN WATER CLOSET
2	SEAT COVER
3	TOILET ROLL HOLDER AT 600MM FROM FFL
4	CONCEALED FLUSH VALVE
5	GRAB BAR (300MM) IN TOILET AT 900 MM FROM F.F.L
6	FLOOR TRAP
7	2 WAY BIB COCK WITH HEALTH FAUCET
8	OVER HEAD SHOWER
9	WALL SPOUT
10	GRAB BAR (600MM) IN SHOWER AT 12000 MM FROM F.F.L
11	TOWEL RING
12	CP SINGLE LEVER DIVERTER
13	CP SOAP TRAY AT 950MM FROM FFL
14	CP TOWEL RAIL AT 1500MM HEIGHT
15	MIRROR AS PER DWG.
16	CP BOTTLE TRAP
17	UNDER COUNTER WASH BASIN (OVAL)
18	CP WASTE COUPLING
19	PILLER COCK
20	SENSOR FLUSH
21	URINAL
22	SOAP DISPENSER
23	HAND DRAYER
24	SWITCH BOARD



SS SCREWS
HOLLOW ANGLE CLEAT
3 TRACK
WOOLPILE
SHUTTER CORNER CLEAT
PACKING FOR GLASS
WOOL PILE
WOOL PILE
U GUIDE
SHUTTER CORNER CLEAT
PLASTIC PACKING FOR GLASS
EPDM RUBBER GASKET
FLYMESH
DGU GLASS
EPDM RUBBER GASKET
PLASTIC PACKING FOR GLASS
SHUTTER CORNER CLEAT
ROLLER BEARING
WOOL PILE
WOOL PILE
PACKING FOR GLASS
SHUTTER CORNER CLEAT
TRACK GUIDE
3 TRACK
HOLLOW ANGLE CLEAT
SS SCREWS

Figure 1 is a schematic diagram of a cable system. It shows a vertical bundle of four cables (16134) connecting two terminal blocks (16133). A distribution unit (16136(DGU)) is located in the middle of the cable bundle. The top terminal block is connected to a building structure, and the bottom terminal block is connected to a foundation structure.

2250 or as per false ceiling

eq

1850

eq

940

FLOOR SPRING

10 MM GAP BETWEEN DOOR & FFL

DOOR VERTICAL = 11665,
85x44.45x2 mm

DOOR MIDDLE = 11624,
83.5x44.45x2 mm

DOOR TOP = 11645,
85x44.45x2 mm

PULL HANDLE 300 MM

FIXED SS FINISH PIVOT

FALSE CEILING

25X25X3 MM ANGLE CLEAT(TYPICAL)
ALONG WITH SHEET METAL SCREW
SINGLE PARTITION= 11639,
63X38X1.92 MM

GLAZING CLIP= 11685, 18.40X17.0X0.9 MM

6 MM THICK CLEAR FLOAT
TOUGHENED GLASS

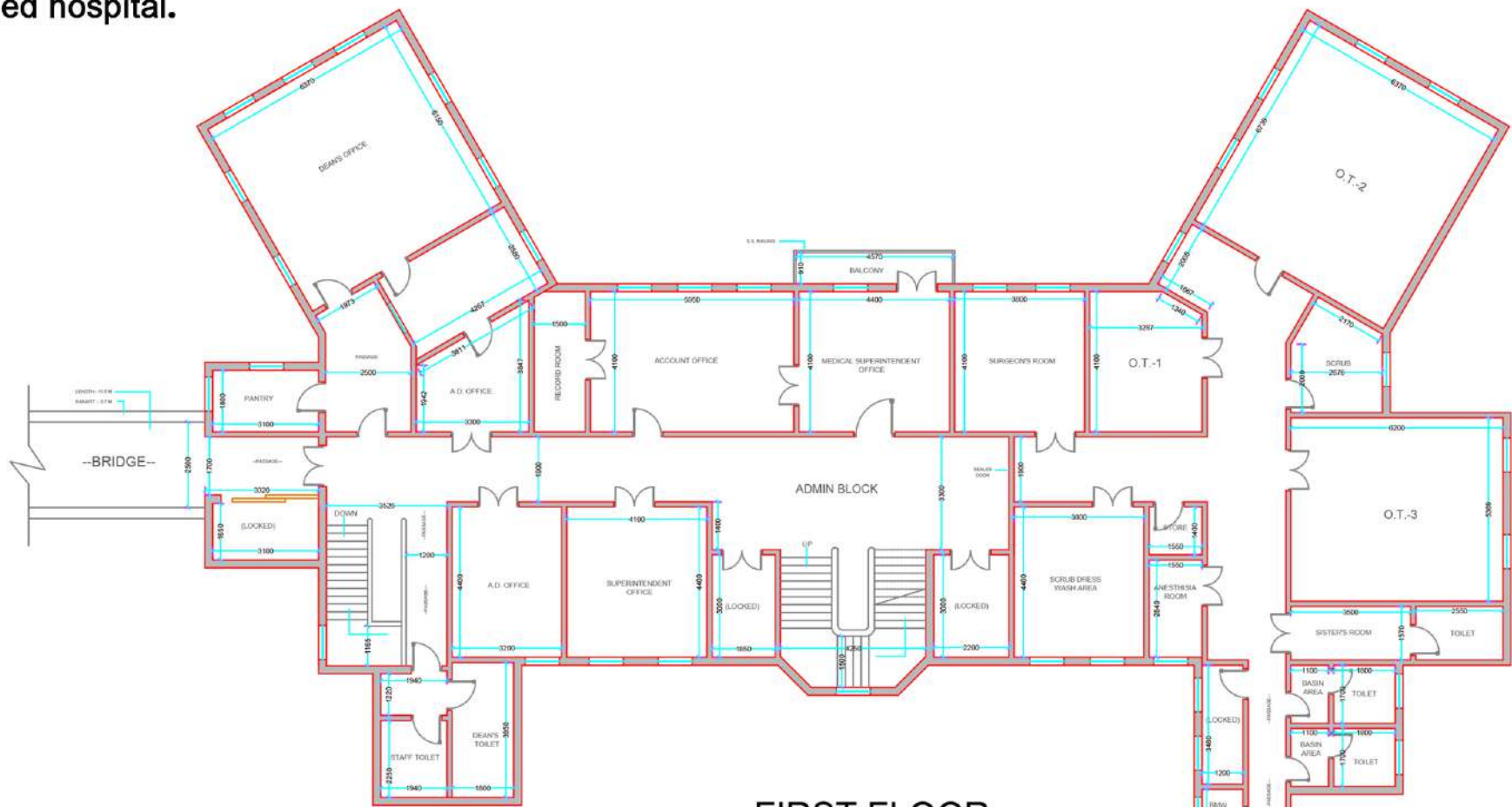
8MM TH. MDF
BOARD WITH BOTH SIDE LAMINATED
CONFORMING TO
IS:14567 AS/ARCHITECTS CHOICE

SS NAIL/ANCHOR BOLT AS PER
MANUFACTURE SPECIFICATION

10 MM GI ROD (TYPICAL)

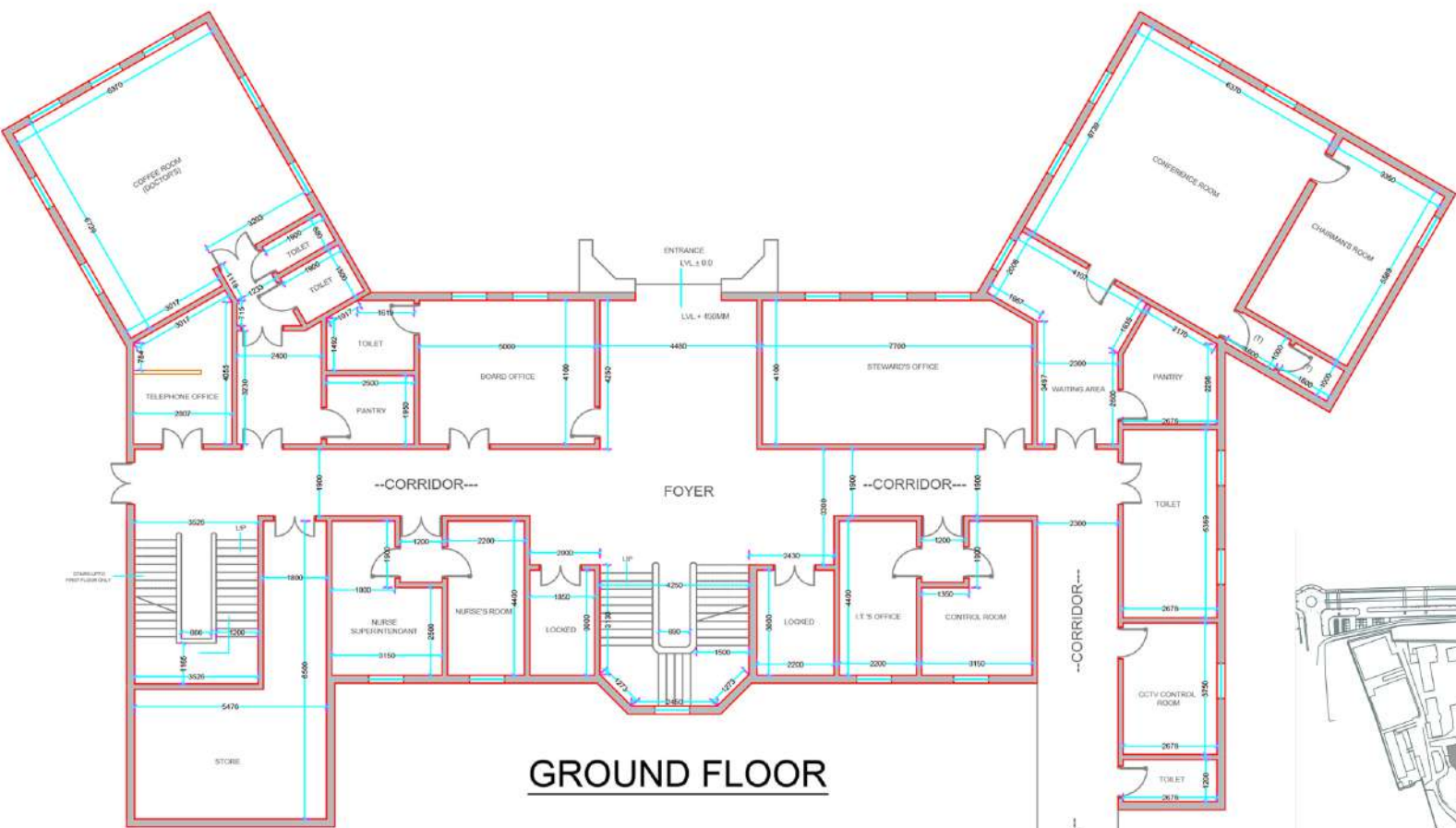
DOOR BOTTOM = 11649,
114.30x44.45x2 mm

Documentation of existing hospital of 1600 bedded hospital.

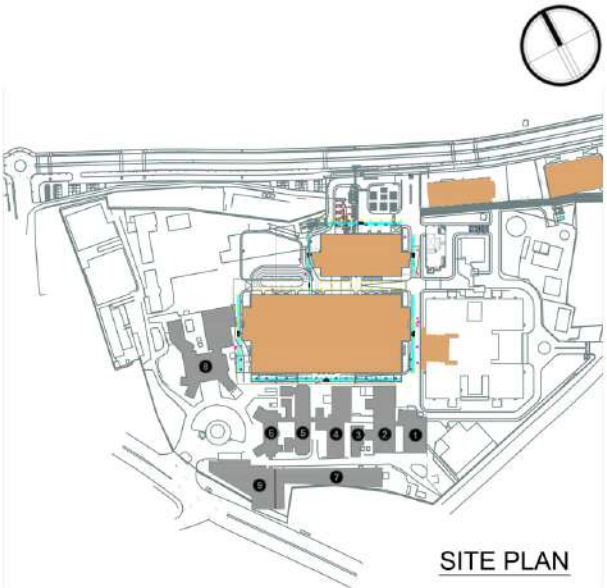


FIRST FLOOR

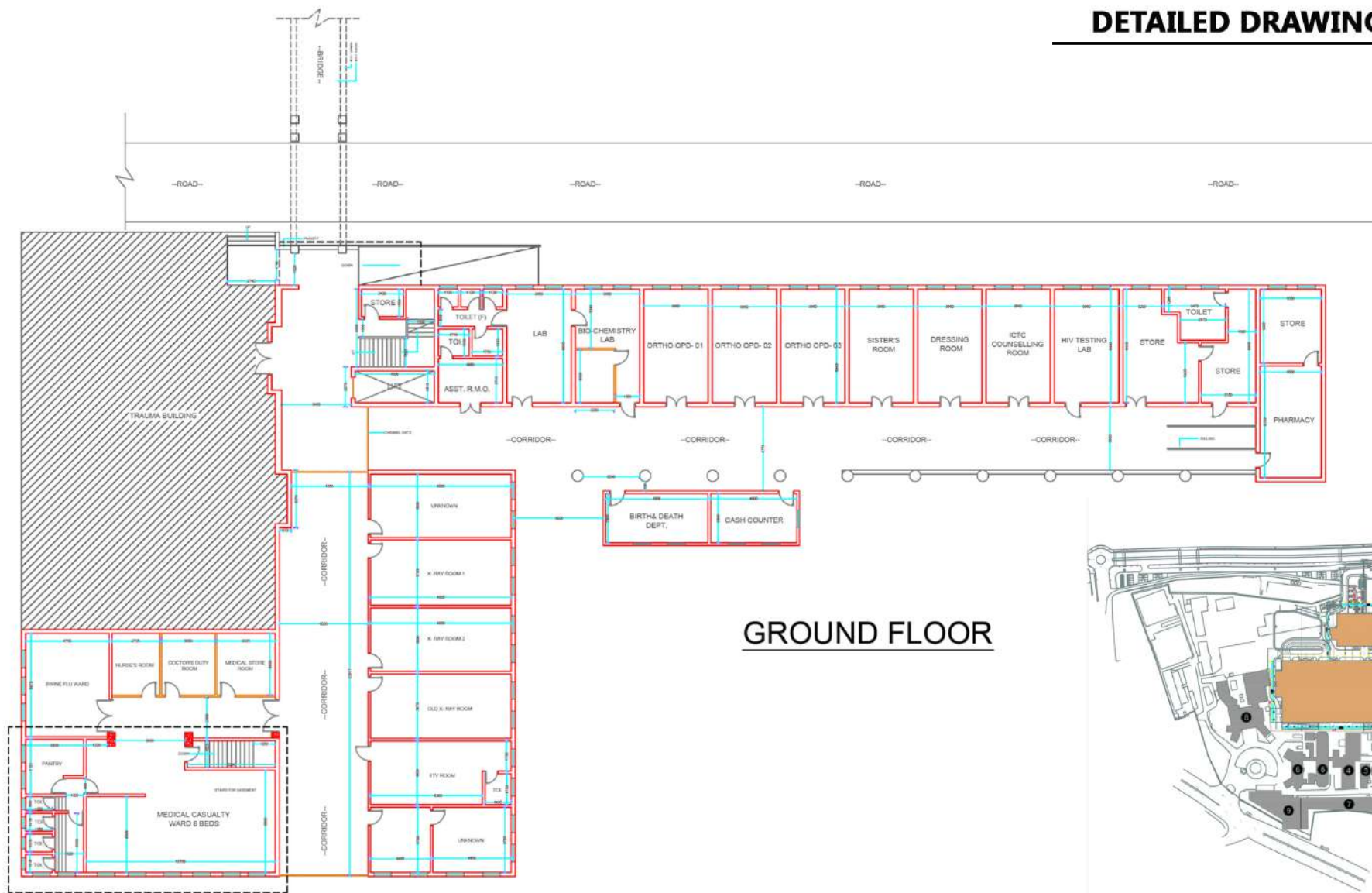
- THIS BLOCK OF THE CAMPUS SERVES AS A ADMINISTRATIVE BUILDING FOR THE HOSPITAL AND COLLEGE WITH THE GROUND COVERAGE OF 523.16 SQ.M, AND HAVING G+ 2 FLOORS, WHERE THE ABOVE FLOORS SERVES TO HOSPITAL.
- THE GROUND FLOOR OF THE BLOCK IS HAVING AREAS LIKE BOARD OFFICE, STEWARD'S OFFICE, SUPERINTENDENT OFFICE, NURSE SUPERINTENDENT ROOM. DOCT COFFEE LOUNGE, CCTV CONTROL ROOM, TELEPHONE'S OFFICE etc., .
- THE FIRST FLOOR OF THE SAME BLOCK DIVIDED INTO THESE AREAS LIKE DEAN OFFICE, ASST. DEAN OFFICE, ACCOUNT OFFICE, MEDICAL SUPERINTENDENT ROOM IN THE OTHER PHASE OF SAME FLOOR THERE IS 3 SURGICAL O.T.'s WITH SCRUB AND SISTER's ROOM etc., .



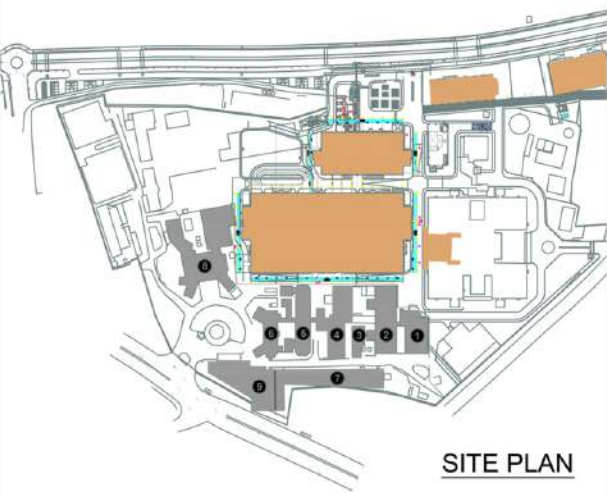
GROUND FLOOR



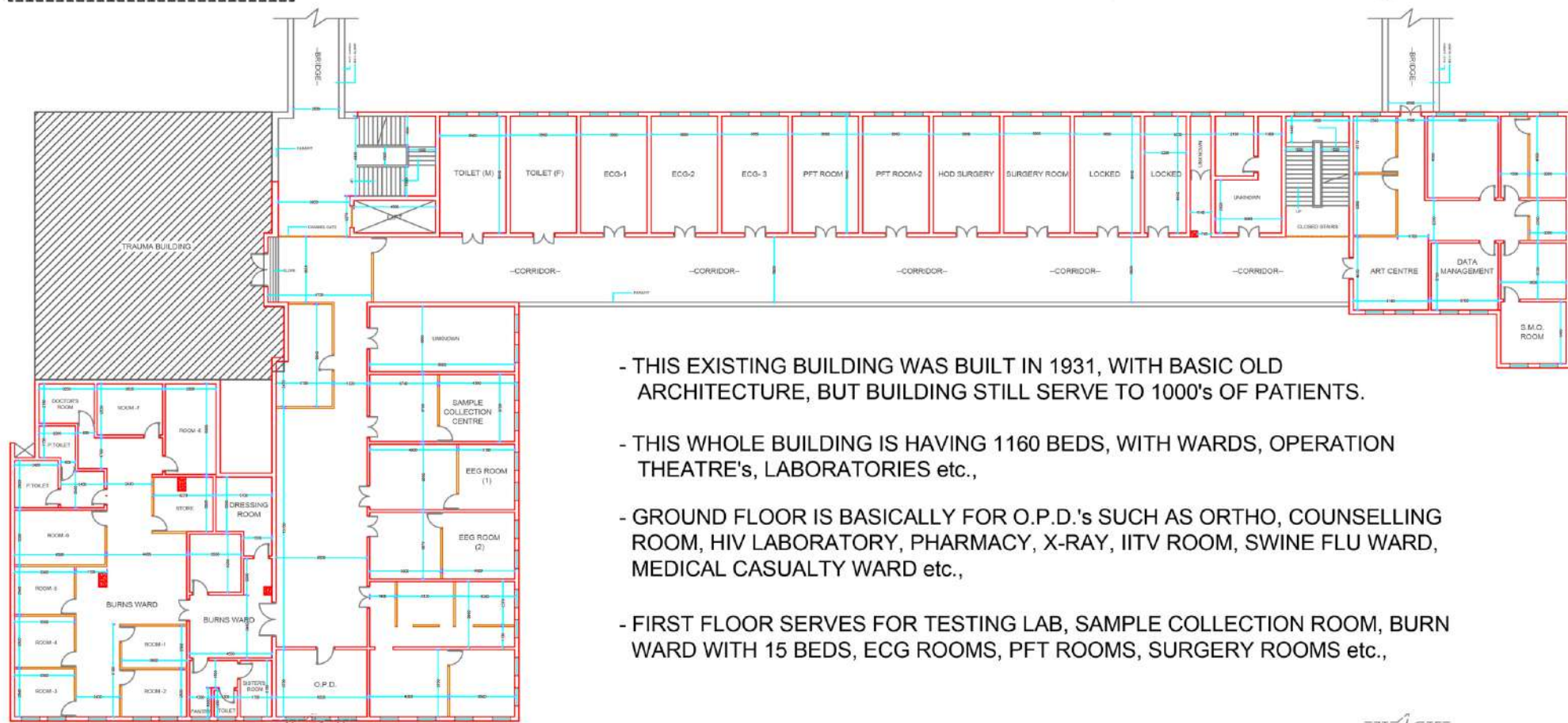
SITE PLAN



GROUND FLOOR

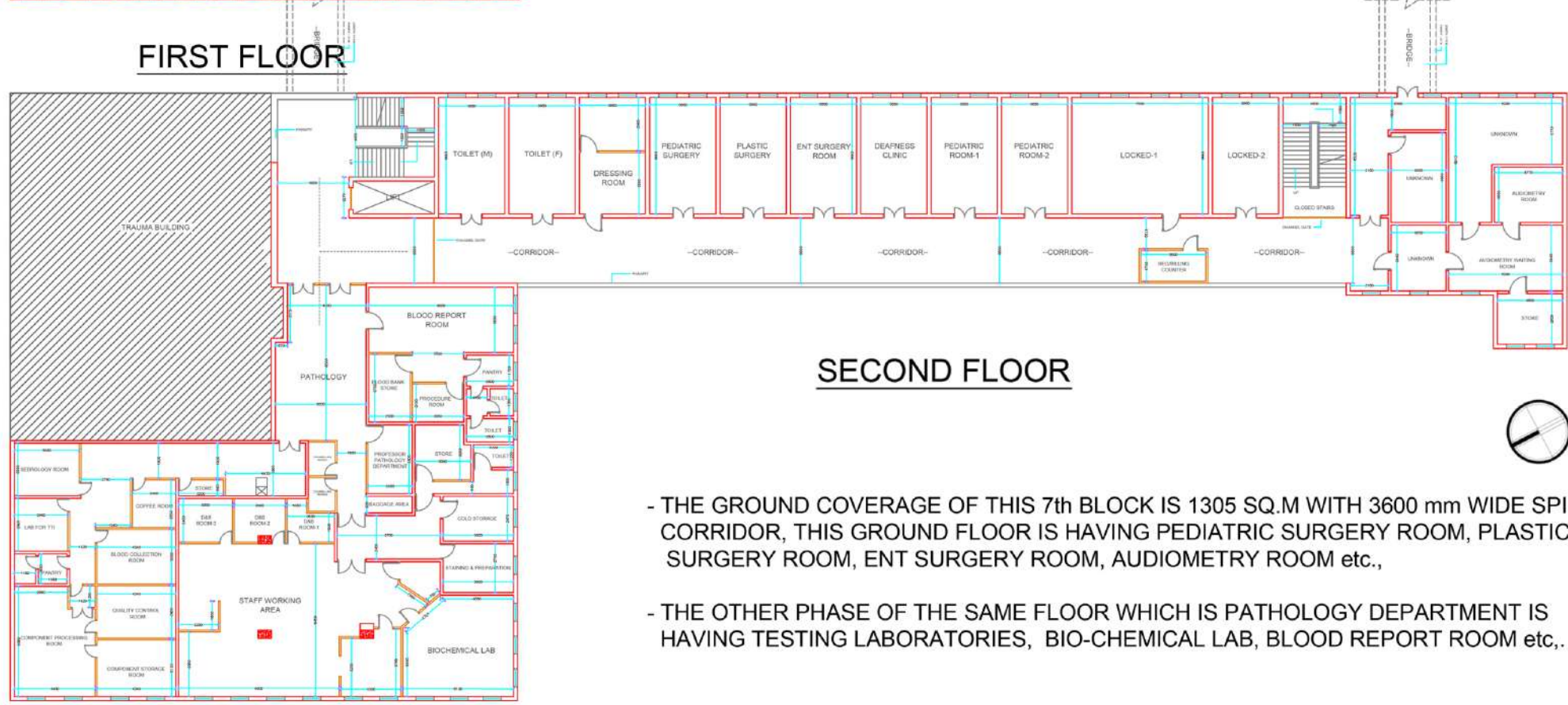


SITE PLAN



FIRST FLOOR

- THIS EXISTING BUILDING WAS BUILT IN 1931, WITH BASIC OLD ARCHITECTURE, BUT BUILDING STILL SERVE TO 1000's OF PATIENTS.
- THIS WHOLE BUILDING IS HAVING 1160 BEDS, WITH WARDS, OPERATION THEATRE's, LABORATORIES etc.,
- GROUND FLOOR IS BASICALLY FOR O.P.D.'s SUCH AS ORTHO, COUNSELLING ROOM, HIV LABORATORY, PHARMACY, X-RAY, ITV ROOM, SWINE FLU WARD, MEDICAL CASUALTY WARD etc.,
- FIRST FLOOR SERVES FOR TESTING LAB, SAMPLE COLLECTION ROOM, BURN WARD WITH 15 BEDS, ECG ROOMS, PFT ROOMS, SURGERY ROOMS etc.,



SECOND FLOOR

- THE GROUND COVERAGE OF THIS 7th BLOCK IS 1305 SQ.M WITH 3600 mm WIDE SPINE CORRIDOR, THIS GROUND FLOOR IS HAVING PEDIATRIC SURGERY ROOM, PLASTIC SURGERY ROOM, ENT SURGERY ROOM, AUDIOMETRY ROOM etc.,
- THE OTHER PHASE OF THE SAME FLOOR WHICH IS PATHOLOGY DEPARTMENT IS HAVING TESTING LABORATORIES, BIO-CHEMICAL LAB, BLOOD REPORT ROOM etc.,



APART FROM **ARCHITECTURE.**

If you face serious problems in your life and your life is now only about tension because of that incident, for once force your mind to think about “what if that incident could cause more damage thn what it is today”. : ABHISHEK

THANK YOU
For your important time.