THESIS REPORT 2019-20

OPEN PRISON, VILLAGE SAKRAWA, PAHADPUR, AMETHI, UP

SHRISTY SRIVASTAVA AR 5-1 (10TH SEMESTER) BBDU,LKO

ACKNOWLEDGEMENT

I SHRISTY SRIVASTAVA ,STUDENT OF ARCHITECTURE OF AR 5-1, 10^{TH} SEMESTER WANTS TO EXPRESS MY THANKS TO ALL THE FACULTY OF THE THE SCHOOL OF ARCHITECTURE PLANNING DEPARTMENT.

I AM VERY THANKFUL TO MY GUIDE KESHAV KUMAR SIR FOR SUPPORTING ME AND GIVING SUCH KNOWLEDGE ABOUT MY THESIS TOPIC OPEN PRISON ,AMETHI,UP.

I AM ALSO VERY THANKFUL TO THE STAFF OF THE OTHER SOURCE FROM WHERE I GOT THE DOCUMENTS RELATED TO MY TOPIC.

I AM GRATEFUL TO HAVE SUCH FACULTY FOR GIVING ME GUIDENCE FOR BETTER PLANNING AND DESIGN .

INTRODUCTION:

An Open Prison (Open Jail)is any jail in which the prisoners are trusted to serve their sentences with minimal supervision and perimeter security and are often not locked up in their prison cells Prisoner May be permitted to take up employment while serving their sentences.

In the UK, Open Prison are often part of a rehabilitation plan for prisoners moved from prisoners moved from closed prison. They may be designated "training prisons" and are only prisoners considered a low risk to the public.

The idea of an Open Prison is often criticised by members of the public and politicians. Prisoners in Open Jails do not have complete freedom and are only allowed to leave the premises for specific purposes, such as going to an outside job.

The idea of Open Jail is to rehabilitate the prisoners rather than punish them.





The concept behind this Open Prison is to stay with their families and make own reformation for better living standards in the society after releasing their sentences. The purpose of prison goes beyond the containment of prisoners & protection of the public at large .

FOR REHABILITATION AND REINTREGRATION:-

INFRASTRUCTURES

Education facilities and workshop to learn skills. Counselling rooms for one-on-one sessions and group work. A multi- faith rooms .

Farming area A Gym Radio station







LITERATURE STUDY:

- ✓ BASTOY PRISON , NORWAY
- ✓ TIHAR JAIL, NEW DELHI

CASE STUDY:-

- ✓ SANGANER OPEN JAIL, RAJASTHAN
- ✓ MODEL JAIL (AADARSH KARAGAR), LKO

PROPOSED SITE:-

JAIL, VILLAGE SAKRAWA PAHADPUR, AMETHI, UP.



LITERATURE STUDY:

BASTOY PRISON:

Bastoy Prison is a minimum – security prison on Bastoy Island., Norway located in the Horten Municipality about 75 kms (46 mi) south of Oslo. The prison is on a 2.6 sq.km (sq.mi) island and hosts 115 inmates . Arne Kvernvik – Nilsen , Governor of the prison, leads a staff of 69 prison employees. O this staff, only 5 remain on the island overnight

The prison is about 1 hour commuting distance from Oslo.

Once a person colony for young boys, the facility is trying to become the first ecological person in the world.

Reoffending rates have been reported at 16%, compared to a average of around 70% inmates are housed in a wooden cottages and work the prison farm. During their free time, inmates have access to horseback riding fishing, tennis, & cross-country sking.

The only access to the prison is from a ferry that departs from Horten.





WORK UNIT:

The work units in Bastoy offer a very varied experience. In common for the work units is that they offer training under education schemes. These can document part of the path to or example a craftsman's license



THE SHOPS



TECHNICAL



AGRICULTURE



THE KITCHEN

MARITIME

SECURITY:-

Qualified prison officers, staffs, the security department at Bastoy. Our main tasks are control and security, contact officer work, and targeted social work.

OFFERS SPARE TIME:

- √ FISHING
- √ FOOTBALL
- ✓ GYM WITH TRAINIG EQUIPMENTS
- ✓ GYM HALL WITH EQUIPMENTS
- ✓ INDOOR CLIMBING WALL
- ✓ SPINNING
- ✓ CYCLING
- ✓ RUNNING (RUNNING GROUP)
- ✓ WALKING PATH AROUND THE ISLANDS WITH RARE BIRDS AND PLANTS ALONG THE PATH
- ✓ MPVIE ROOM WITH LARGE SCREEN
- ✓ SODA MACHINE
- ✓ COURSES ,LECTURE . EVENTS & CONCERTS ANNOUNCED ON THE WEEKLY ACTIVITY.
- ✓ DIFFERENT GAMES, EQUIPMENTS AND INSTRUMENT CAN BE BORROWED
- ✓ PARTICIPATION IN THE ACTIVITIES OUTSIDE THE PRISON SUCH AS SPORTS, CULTURE, AND OUTDOOR ACTIVITIES.



✓ CONTACT OFFICERS:

At convict will be provided with contact officers on their first day.

✓ FREEDOM OF MOVEMENT:

The inmates would move around the islands frely, with a few exceptions. All the inmates must

their respective houses from 23.0 to 7.00 on week 23.00 To 8.00 weekends and on Holidays.

- ✓ COUNTING
- ✓ TELEPHONE ROUTINES
- ✓ MAIL & NEWSPAPERS
- ✓ DRUGS











CORRECTIONAL FACILITIES
ON SPARE TIME

AREA ANALYSIS:

- > TOTAL PLOT AREA 60 ACRE (242811.385 SQ.M)
- > TOTAL BUILT-UP AREA 28911.57 SO.M
- OPEN LAND AREA 213899.815 SQ.M.
- FOR 1000 CAPACITY 213.89 SQ.M.
- (PER PRISONER 213.89 SQ.M OF LAND IS UTILIZE.)

DIVISION OF THE SITE AREA:

- 1. ADMINISTRATION / SECURITY ZONE 35% OF THE TOTAL SITE (10119.0 SQ.M)
- 2. CORRECTIONAL FACILITY ZONE 35% OF THE TOTAL SITE (10119.0 SQ.M)
- 3. RESIDENTIAL ZONE 30% OF THE SITE AREA (8673.45 SQ.M)
- 4. OPEN AREA AS PER UTILIZATION OF SPACE
- OTHERS AS PER REQUIREMENT

DIVISION OF THE BUILT-UP AREA:

- 1. ADMINISTRATION / SECURITY BUILDING 21% OF TOTAL BUILT-UP AREA (4336.65 SQ.M)
- 2. CORRECTIONAL FACILITY BUILDING 28% OF TOTAL BUILT- UP AREA (8673.3 SQ.M)
- 3. RESIDENTIAL BUILDING 30% OF TOTAL BUILT -UP AREA (11564.4 SQ.M)
- 4. OPEN AREA 20% OF TOTAL BUILT-UP AREA (4336.65 SO.M)
- 5. OTHERS 1% OF TOTAL BUILT-UP AREA



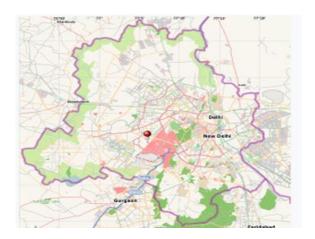
ADMIN & SECURITY ZONE

RESIDENTIAL ZONE

DIVISION OF THE SITE AREA:

DIVISION OF THE BUILT-UP AREA:

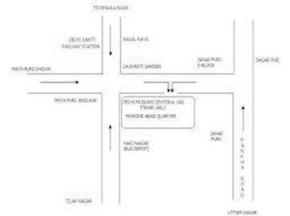
TIHAR JAIL, NEW DELHI:





INTRODUCTION:

LOCATION TIHAR VILLAGE, NEW DELHI
COORDINATES - 28*37'03"N77*06'02"
ECAPACITY - 6250
POPULATION- 10,533
OPENED - 1957
MANAGED BY - DEPARTMENT OF DELHI PRISONS,
GOVERNMENT OF DELHI



Tihar jail was setup in 1958 on the land of Tihar Village . In the beginning ,only one Central jail was commissioned with the lodging capacity of 1273 prisoners. The prisoners gradually grew and today as many as 11000 odd inmates are lodged here. Tihar jail is the largest jail in prison complex in Asia.

Presently it has a capacity of 6250 prisoners.

The prison is styled as a corectional institutions. Its main objective is to convert its inmates into ordinary members of soociety by providing them with useful skills, education, and respect for the law. its aim to improve the inmates 'self - estem and strengthenntheir desire to improve.

to engage , rehabilitate and reform its inmates ,Tihar uses music therapy , The prison has its own radio station, run by inmates.





REHABILITATION:-

Rehablitation of prisoners is very important functions of the prison authorities . Now prison looked at as more of a correctional facility than a detention one.

SEMI OPEN JAIL

Tihar jail has recently established a new wing in the Thar Complex , Janakpuri, New Delhi which is known as the Semi Open JailThe Semi Open Jail, along the lines of the concept of Open Jails, is being used to lodge the prisoners who have been sentenced to life and have less than 2 years of that sentence left to serve and have a good track record. The inmates of semi-open jails have a chance to step out of their cells and earn a wage fixed by the government, though only within the 400 acre campus of the Tihar jail complex. They are allowed to work in PWD, horticulture and other contract based jobs inside the Tihar premises. They also run Tihar Canteen and the Tihar haat, which are official outlets for selling the things which are produced in the factories of Central Jail No. 2.



OPEN JAIL PROVISION



THE SHOP



BAKERY FACTORY



FURNITURE FACTORY

SANGANER OPEN PRISON, JAIPUR:

INTRODUCTION: SANGANER, JAIPUR, RAJASTHAN

Country-India

State- Rajasthan

District- Jaipur

Languages

• Official Hindi

Time zone - UTC+5:30 (IST)

Nearest city Jaipur

Climate- Hot and dry (Köppen)

Co-ordinates: 26.822*N 75.74*E

Sanganer is one the beautiful place in the Jaipur

, Rajasthan . The place signifies the important place

APPROACH TO THE SITE:

5 km from Sanganer Railway Station

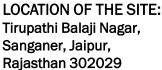
500 m from Bus Station

4 km from Airport

300 m from School

150 m from Hospital

















MODE OF TRANSPORT:-

AUTO, BUS, PRIVATE VEHICLE



SITE SURROUNDING:

The site is surrounded by different facility and they are

Clothing Factory which is 50 m from the site. New Sanganer Road which is run through the site. Temporary shops/ kiosk for inmates to easily buy the needs which required.

NGO are present which is 100 m distance from the site.

Temporary bus, auto stoppage near open prison. Exotica temple which is 100 m from the site.



Temporary shop



New Sanganer Road





Restaurant

MATERIALS:

Utensils shop

Brickwork structure mailny used in the construction of building block near the site. Red sandstone is used for aesthetic purpose also.

different types of jalis are provided in the building for safety purpose.

ARCHITECTURAL STYLE:

Heritage construction style of Jaipur it is a beautiful fusion of traditional and modern architectural pattern

TOPOGRAPHY OF THE SITE:

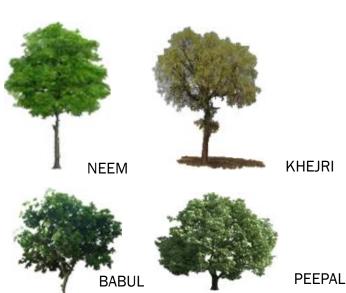
The general slope of the Sanganer surrounding is from north- south and then south- east. The land is undulating, uneven, and having slopes which are surrounded by site.

VEGETATION:

Botanical Name Common Name Ficus religiosa Peepal Azardirachta Neem Vachellia nilotica Babul Propsopis cineraria Khejri

SOIL CONSIDERATION:

The type of soil is sandy soil . colour of the soil are greyish brown to brown



DESIGN PLANNNING:

The Sanganer Open prison have pentagonal like planning . in this open prison , random arrangement of planning is done .

This planning is designed by inmates and inmates built their blocks quarters, according to themselves. the Sanganer open prison is one of the largest open air jail because of large capacity, easy accessibility, can sustain themselves in a better manner after releasing their sentences.

Salient Features:

In this Sanganer open jail it is defined as "Prisons without walls, bars and locks."

The jail does not confine them completely but requires them to earn their living to support their families, living with them inside the jail.

This open prison is a minimum - security prison and run as function on the self-discipline of the inmates. in this prison ,inmates are allowed to go outside freely after a first roll call and have to return before the alloted second call.

Sanganer Open prison houses 330 prisoners.

YEAR OF ESTABLISHMENT: 1962

Special arrangement in Sanganer Open Prison The inmates earn wages through the employment and with this they sustain themselves.

They built and construct their own house or quarter for stay and living .

They live with their families too.

They managed their work and they feel like they come back into their society.

REQUIREMENTS:

- > TOTAL SITE AREA 24 BIGHA = 9.6 ACRE = 38849.8 SQ.M
- > GROUND COVERAGE = 40%
- ➤ BUILT-UP AREA = 15539.92 SQ.M
- > OPEN LAND AREA = 23309.88 SQ.M
- > CAPACITY = 330 INMATES

PER PRISONER UTILIZATION OF LAND:

- > TOTAL SITE AREA / NO. OF PRISONER 38849.8 / 330 = 117 SQ.M
- > THERE ARE 330 PRISONERS ARE LIVING OUT OF THIS ,IN GOOD CONDITION HOUSE - 334 8 ARE VACANT ,8 - REPAIRABLE







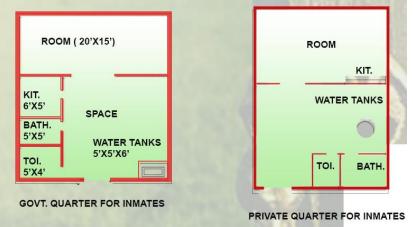
SITE PLAN:

MAIN GATE GATE 1 - 14X8 FT.
GATE 2 - 5 FT. WIDE (OPENABLE)

➤ ADMINISTRATION BLOCK:-MEETING / FUNCTION - 30'X70' ADMIN OFFICE - 8'X12' ATTENDANCE SPOT - 10'X15' STAFF OFFICE - 10'X15

- ➤ OPEN SPACE / VARANDA 60'X60'
- PRIMARY SCHOOL 25'X15'
- ➤ QUARTERS:-
- ➤ GOVT. QUARTER 1 BHK (20'X30')
 PRIVATE QUARTER IF REQUIRED .
 (30'X20')
- OVERHEAD TANK: 15000FT CAPACITY.
- ➤ TEMPLE 30'X40'

DESIGN PLANNNING:-



THE GOVT. QUARTER IS DESIGNED BY THE GOVT. OF RAJASTHAN OR AUTHORITY WHICH IS UNDER SUPERVISION.

PRIVATE QUARTER IS DESIGNED BY THE INMATES ITSELF THROUGH THE WAGES WHICH THEY GET .

WITH THIS THE MATERIALS FOR CONSTRUCTION OF QUARTER IS PURCHASED BY THE INMATES AND CONSTRUCT THEIR OWN BLOCK . THEY ALL MANAGED AND MAINTAIN THE WORK IN A SYSTEMATIC WAY

FOR BETTER LIVING STANDARD IN SOCIETY.

BATHROOM
6'X4'

LIVING ROOM
10'X6'

KITCHEN -5'X3'

INCHARGE ROOM

THE INCHARGE OF THE PRISON MANAGE ALL THE SCHEDULE REGARDING TO THE WORKING OF INMATES AND
STAFFS.

IN THIS SIDE OF THE
PREMISES, THE ATTENDANCE ALSO DONE OF
THE INMATES.

THIS SKETCH PREDICT THE LANDSCAPE WHICH IS DONE BETWEEN THE GOVT. QUARTER AND PRIVATE QUARTER WHICH IS
DONE BY INMATES OF THE OPEN PRISON.

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HERE ARE 18 LINE I.E.
PIPELINES THEY WORK IN
DIFFERNT FUNCTION.
1 ZONE PRIVIDE 1 LINE FOR
THE SUPPLY OF WATER.







TRANSFORMER WHICH IS PLACED OUTSIDE THE PREMISES AT A DISTANC 150 M FROM THE SITE THESE SUPPLY THE ELECTRICITY TO THE RESPECTIVE QUARTER AND OTHER PLACE WHERE REQUIRED.

THESE SERVICES IS PROVIDED FOR 24 HOUR AND RTHID MADE EASY FOR THE IMATES

BECAUSE OF THESE SERVICE OR AVAILABILITY OF SERVICE PROVIDE THE INMATES TO WORK OR TO TEACH EASILY.

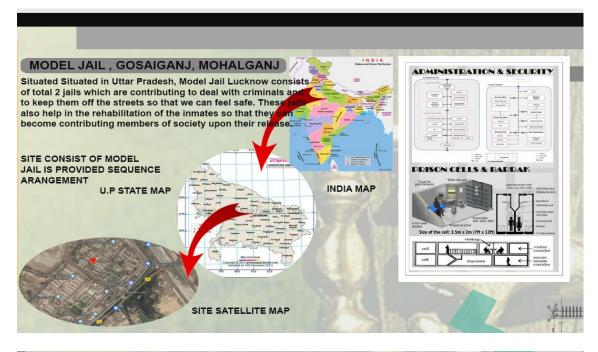
WATERHEAD TANK-

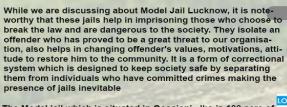
IT HAS A CAPACITY OF 15000 L FOR THE INMATES AND OFFICIAL PURPOSE.

THERE ARE TWO SOURCES FROM WHICH THEY GET EASILY

1. OUTSIDER TANKER

2. BORING





The Model jail which is situated in Gosaianj, lko is 100 acre of land approx. in which 435 inmates are housed.

There are many different correctional facilities which are given to the inmates.

The prisoner are provided different costumes according to their behaviour:
UNIFORM PRISONER - WHITE
NUMBERDAR - YELLOW

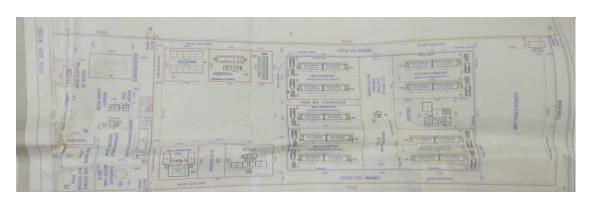


APPROACH TO THE SITE :

- 35 KM FROM THE CHARBAGH STATION
 LOCAL STATION MOHANLALGANJ STATION
- @ 35 KM FROM THE CHARBAGH BUS STATION
- **45 KM FROM AMOUSI AIRPORT**

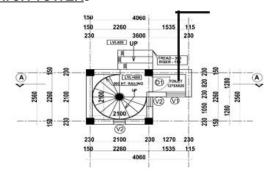


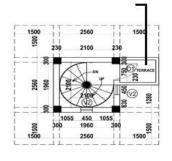






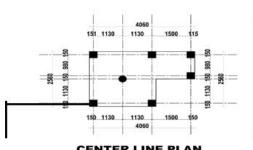
WATCH TOWER:

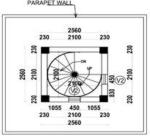


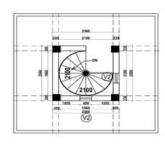


GROUND FLOOR PLAN

FIRST FLOOR PLAN







(COLUMN)

SECOND FLOOR PLAN

TERRACE PLAN

CENTRAL KITCHEN:

IN THIS CENTRAL KITCHEN THERE ARE 14 INMATES ARE WORKING TOGETHER IN ONE SHIFT AND AT OTHER SHIFT OTHER LEFT 14 INMATES ARE FOR COOKING IN NIGHT SHIFT.

THERE ARE DIFFERENT CATEGORIES OF INMATES WORKING IN DIFFERNT ZONAL SECTION.THERE ARE 25 CYLINDER FILLING STORE GODOWN IN WHICH EVERY WEEKENED THE CYLINDER IS FILLED







THERE ARE 3 GENERATOR IN THE PREMISES OF THE SITE.

THE GENERATOR GIVES THEM BETTER CONDITION OF LIVING WITH THIS THE ELECTRICITY IS SUPPLIED TO ALL THE DIFFERNT BUILDING BLOCK IN THE PREMISES FOR DOING WORK ...

DIFFERENT CATEGORIES OF FACTORIES ARE THERE SO IT PLAYS A IMPORTANT ROLE IN PRISON.

THIS GENERATOR IS ALLOWED TO OPERATE MONTHLY IN A EASILY MANNER

SITE ANALYSIS:

Project Name: Proposed Prison, Amethi, UP

<u>CLIENT NAME</u>: PRISON ADMINISTRATION & REFORM SERVICES (U.P.)

Amethi is a town in the Indian State of U.P.It is a major town of the Amethi District , in the Faizabad

division. The Hanumangarhi temple is located near the town.

It is the 72nd district of the State of U.P. in northern India.

ilt covers an area of 3,070 km2. Gauriganj is the administrative

headquarters of the district. It has a wet and dry climate with average

temperatures ranging between 23*C to 28*C. The land of Amethi District

is generally plane except some regions around the Gomti River which drains almost the whole district.

It may be called an Agrarian area as agriculture is the main

occupation of the people.

LOCATION OF THE SITE:-



APPROACH:-

3Km from Railway Crossing. i.e. Gauriganj Railway cross.

3Km from Gauriganj Bus Stop

1 Km from Navodhya Vidyalaya

500 M from Swami Vivekanand situated in south side.

200 M from Hellipad(this is only for dignitries.)

3 Km from CSC,PSC Hospital.

The site is situated in front of R.T.O office.

1 Km from The Police Lines.







Site Plan







MAIN ROAD FROM THE SITE.



FRONT PROTION OF THE SITE.









FRONT PORTION OF SITE LAND.



THE BOUNDARY PERIPHERY OF THE SITE

RONT PORTION OF LAND BELONG TO RAM GARIB.FROM 30 KM THE JAIL BOUNDARY START AND IT IS 800 M (APPROX.) TO THE SOUTH SIDE OF THE SITE

SITE SURROUNDING

The site is surround to the DIOS office, R.T.O office, Navodya Vidyalaya, hospital, hellipad in which dignitries are allow for reach on this spot.

These surrounding facilities are provided within 3 km from the site which run on Gauriganj - Ateha



J.N NAVODYA VIDYALAYA





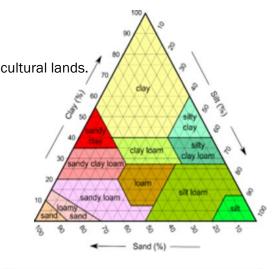


SOIL CONSIDERATION:

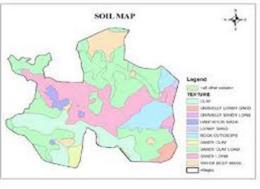
The soil type of the site :- Deep loamy and Salty soil (It composed of sand & smaller amount of clay which are mainly used for provide rich contribution to fertile Agricultural lands.

Bearing Capacity of the soil: 150 KN/M SQ.









SERVICES:

High tension wires passed through this site.

Electric poles exists around the site.

Nala (MASIAU DRAIN) exist which are attached to one side of the site . (i.e.) west side of the site.

There is no water pipeline around the site.

MODE OF TRANSPORTATION:

Private Convence, E- Rickshaw Auto

R.T.O Office, Schools, DIOS office, are available in front of the site.

Police Reserve Line is available to the site.

<u>SWOT ANALYSIS</u>:

STRENGTH: -

LOCATION: The site is located in the midst of agricultural land with minimum human interference which is important design factor for the type of project.

LAND TYPE: The agricultural land is present on the site where farming could be done by inmates. SERVICES: Electrical poles present near the site, Water table is high acting as a source of water supply.

WEAKNESS:-

SEWAGE DISPOSAL: Is an issue because -There is no sewer lines running anywhere nearby the site

APPROACH ROAD: Main road (Gauriganj - Ateha Mrg) of the site is not well maintained as there is no signage, side boundary lines.

OPPORTUNITIES:-

TREES: Presence of mango trees on the site will help in odstruct ing summer sun rays & provide seasonal fruits to inmates

BUIT-UP ZONE: Min. built-up area around the vicinity of site gives opportunity to design freely & with min. restrictions.

THREAT: Security is the main threat.

MATERIALS:

Brickwork / RCC frame structure in building for aesthetic purpose

Well - paved road .(concrete)







VEGETATION:

The tree which are mainly available is: Botanical Name: Ficus Religiousa(Peepal) Botanical Name: Mangifera Indica (Mango)

MODE OF FARMING: Wheat, Rice Mustard











WHEAT RICE MUSTARD





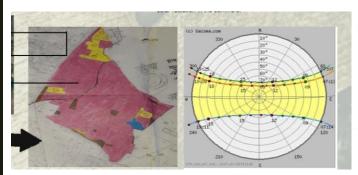
There is an under construction work going on which is adjacent to the DIOS office in front of the site .

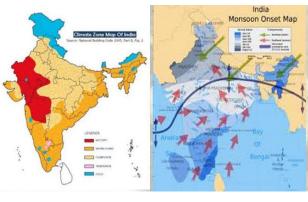
CLIMATIC ANALYSIS:

CLIMATE ANALYSIS :-

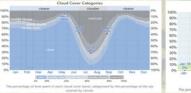
CLIMATE:

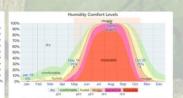
Climate is a measure of the average pattern of variation in temperature, humidity, atmospheric pressure, wind, precipitation, and meteorological variables in a given region over long periods in a given region. The climate of a location is affected by its lattitude, terrain, and altitude, as well as nearby water bodies. The factors which are affecting the human comfort and the building are:





UMIDITY: were the deve points feel drier and higher dev points feel more humid. The temperature may drop at night, a muggy day is typically followed by a muggy night methi experiences extreme seasonal variation in the perceived humidity.





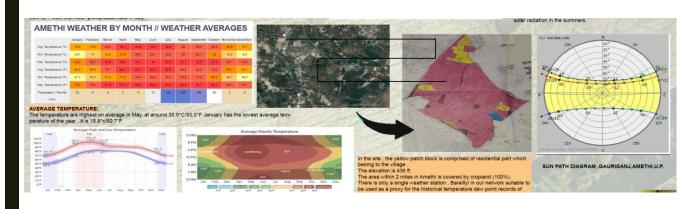
CLIMATE INFERENCES:

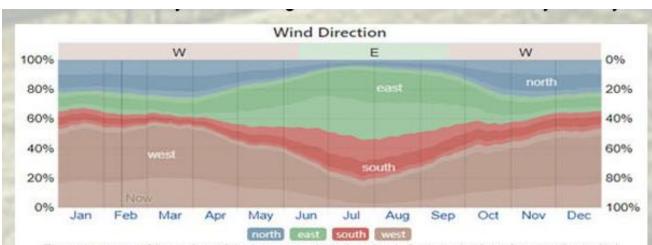
The average characteristics of the climate are comfortable but, the goal here is to maximize the amount of sun that heats the space in the winter.

The walls should be made of high thermal capacity and longer time lag, that can be achieved by increasing the thickness of the wall to face the extreme low & high temperature.It also proves good in terms of security also.

Similarly the roofs should also be made to withstand in case of extreme high & low temperature.

Landscape & trees mainly on the south - west direction to avoid the solar radiation in the summers.





The percentage of hours in which the mean wind direction is from each of the four cardinal wind directions, excluding hours in which the mean wind speed is less than 1.0 mph. The lightly tinted areas at the boundaries are the percentage of hours spent in the implied intermediate directions (northeast, southeast, southwest, and northwest).

REQUIREMENTS:-

S.NO.	REQUIREMENTS	NO. OF UNIT	AREA IN M (LXB)	TOTAL AREA IN SQ.M
1.	PLINTH LVL	-	6 M HT.	-
2.	ADMINISTRATIVE BUILDING	1		
GROUND FL				
2(A)	OFFICE 1	1	50.41X11.80	594.838
2(B)	OFFICE 2	1	3.65X 3.23	11.7895
2(C)	OFFICE 3	1	8.08 X 13.19	106.57
				23.181
2(D)	OFFICE 4	1	4.13X 5.613	
			GRAND TOTAL -	1070.60
25% CIRC	CULATION AREA			
				<u>COST = 554.31 LACS</u>
3.	SUPERINTENDENT VISITORS ROOM	1	7.5X5.3	39.75
4.	VISITORS SHED			
GROUND	FLOOR	1	15.23X8.23	125.34
	CORRECTIONAL FACILITY ZONE			
5 DE01	DEATIONAL DUM DINO			
	REATIONAL BUILDING	1	4 8210 26	49.728
5(A)	GYM	1	4.8X10.36 10.23X8.1	82.86
5(B) 5(C)	ARTS (MUSIC,DANCE,THEATRE) RADIO STATION	1	4.8X8.6	41.28
5(C) 5(D)	WORKSHOP	1	4.6X6.6 15X7.5	112.5
3(D)	WORKSHOT		GRAND TOTAL -	286.36
25% CIRC	ULATION AREA		GIVITO TOTAL	200.00
6.	MULTI-PURPOSE HALL & TOILET BLOCK	1	25.5X30.5	777.75
7.	VIDEO CONFERENCING HALL	1	7.5X10.1	75.75
8.	BAKERY & STORES	1	6.5X9.8	63.70
9.	SANTARY POST		4 5074 50	7.07
GROUND	FLOOR	3	1.50X1.50	7.07
				COST = 878 LACS
	VICES	1	40.077.0	407.44
	GARRAGE	1	13.6X7.9	107.44
11. 12.	COW SHED GODOWN	5	23.2X11.2 23.2X12.3	259.84 285.36
13. 14.	R.O. PLANT ROOM PUMP ROOM	1	4.0X3.2	12.80
GROUND!		2	5.19X0.60	3.11 4
15.			01207(0100	0.11
GROUND	<u>'</u>	-	15.79X7.23	114.16
			GRAND TOTAL -	782.714
				COST = 345.54 LAC
16.	HOSPITAL (26 CAPACITY)	1	20 44 V 2 C 2	200 000
16(A) 16(B)	HOSPITAL ROOM VARANDA	1	30.11X9.66 2.75X1.23	290.862 3.382
16(C)	NIGHT TOILET	1	2.77X2.75	7.617
16(D)	DAY NIGHT	1	4.29X1.66	7.121
			GRAND TOTAL -	308.982
17.	CANTEEN / PAKSHALA	1	04.85X5.79	28.06
18.	PATHSHALA /SCHOOL	1	20.2X14.8	298.96
RESIDENTIAL I	BUILDING			COST = 119.28 LACS
19.	TYPE IV RESIDENCE			
GROUND FI 20.	LOOR (4 BLOCKS) TYPE III RESIDENCE	4	21.2X33.7	714.44
G+1(1BLC		5	24.5X17.7	433.65
(_ DE0	,	*		.00.00

22.	DORMITORY (16 CAPACITY)	1	16.8X12.7	213.36

COST = 1570.21 LACS

	LOPMENT WORK :	100.10		
22.	TUBEWELL FOR DRINKING WATER	JOB (2)	<u> </u>	-
23.	TUBEWELL FOR IRRIGATION	JOB (1)	-	-
24.	INDIA MARKA -II HAND PUMP	NO. (20.0)	-	-
25.	SEWAGE TREATMENT PLANT	KLD (500.0)	-	-
26.	BOUNDARY WALLS	-	2.43 HT.	-
27.	MAIN GATE	-	5 HT.	-
28.	ELECTRICAL WORK	AS PER DETAIL	-	-
29.	EARTH FILLING CAMPUS	AS PER DETAIL	-	-
PROPOSE	D SITE 60 ACRE			
30.	STREET LIGHTING WITH HPMVLAMPS/ LED LIGHT			249368.96
31.	FILTER WATER DISTRIBUTION LINE	150MM DIA TO 300MM DIA	-	249368.96
32.	FILTER WATER DISTRIBUTION LINE	100 MM DIA AND BELOW	-	249368.96
33.	SEWER	AS PER CPWD PAR 2012 S.N.6.2		249368.96

COST = 2581 LACS

PROPOSED AREA REQUIREMENT FOR 1000 CAPACITY PRISONERS AT OPEN PRISON

T E C T

OPEN PRISON:

INTRODUCTION:

An open prison (open jail) is any jail in which the prisoners are trusted to serve their sentences with minimal supervision and perimeter security and are often not locked up in their prison cells. Prisoners may be permitted to take up employment while serving their sentence.

In the UK, open prisons are often part of a rehabilitation plan for prisoners moved from closed prisons. They may be designated "training prisons" and are only for prisoners considered a low risk to the public.

The idea of an open prison is often criticised by members of the public and politicians. Prisoners in open jails do not have complete freedom and are only allowed to leave the premises for specific purposes, such as going to an outside job. In Ireland, there has been controversy about the level of escape

from open prisons, attributed to the use of the prison by the Irish Prison Service to transfer prisoners unsuitable for open conditions but to reduce overcrowding in the closed prisons. The idea of open prisons is to rehabilitate prisoners rather than to punish them

CONCEPT:

The concept of this prison is to rehablitate reform and provide correctional facility to the inmates for better living conditions.

They can stay with their family too.

they earn money from the employment provided by the correctional facility

they can move outside for work and come back to the prison with time in evening befor 7 p.m.



FOR REHABLITTATION & REINTEGRATION:

INFRASTRUCTURE:

Education facilities & workshops

to learn skills

Counselling rooms for one -on-one sessions &group work

a multi - faith rooms

farming area

a gym

radio station



WSIPP Estimate of Potential Washington Stat









REASONS FOR OPEN PRISON:

It is called as the minimum security prison .in this inmates are easy to move from one place to other

in this it must be exist because due to the following reasons:

Prison overcrowding is the serious problem

Inhuman conditions prevailing inside the prison is the serious problem.

prison violence is the serious problem.

but Open Prison System is the system that does not have all the entioned above problems.





The concept behined this open prison is to stay with their families and make own reformation for better living standards in the society after releasing their sentences.

The purpose of prison goes beyond the containmen of prisoners & protection of the public at large

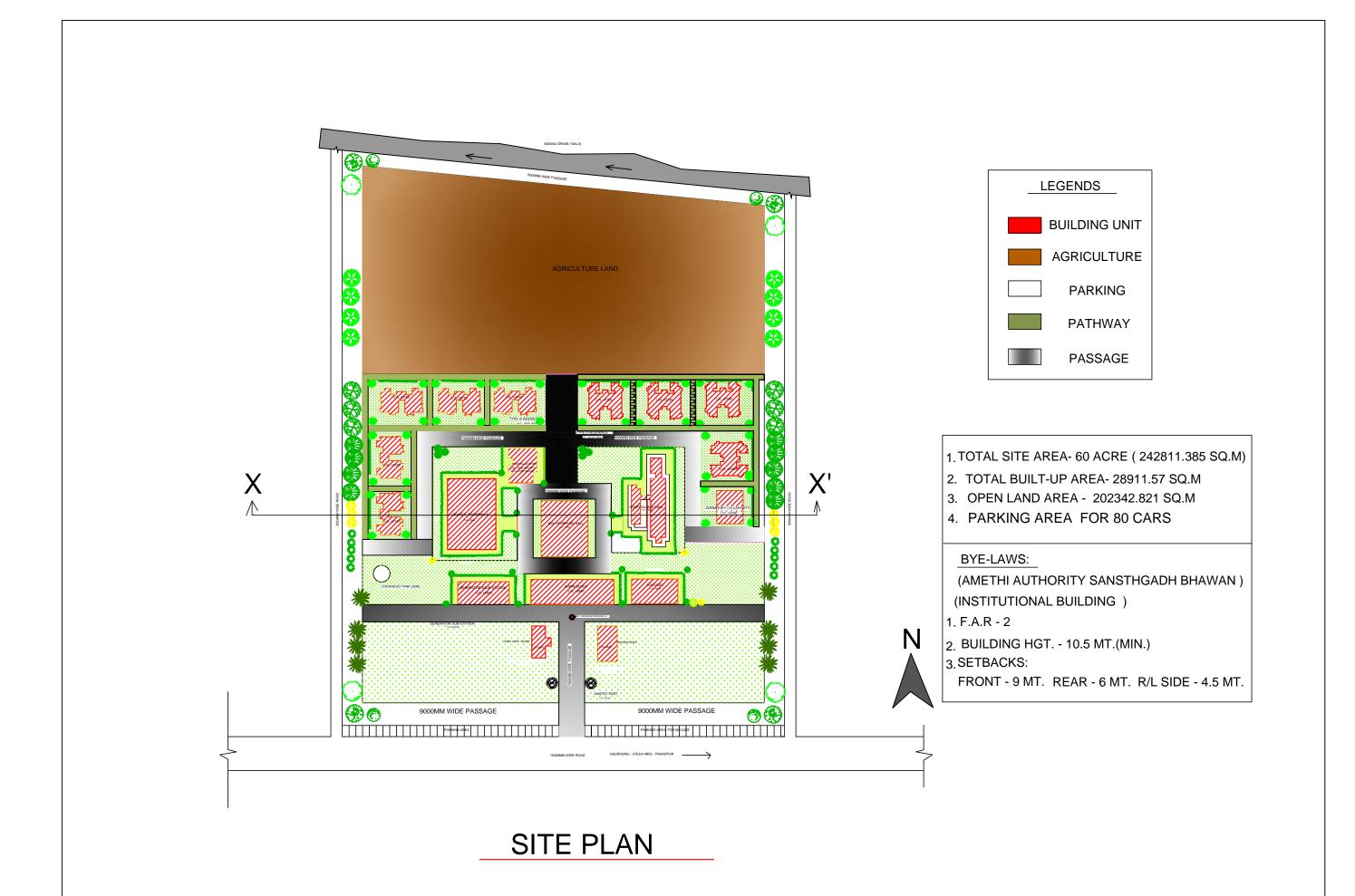


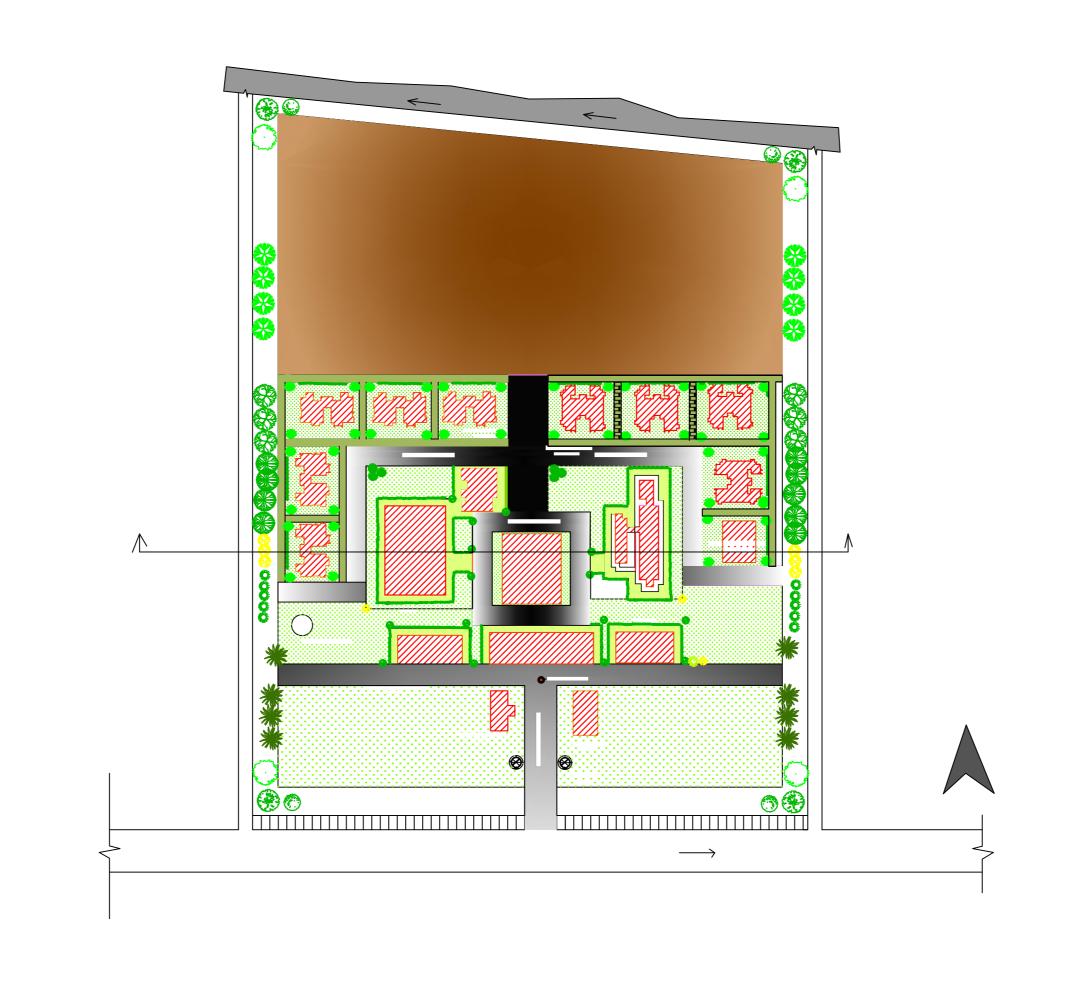


ACTIVITIES CENTRE

B.ARCH 5TH YEAR 2019-20

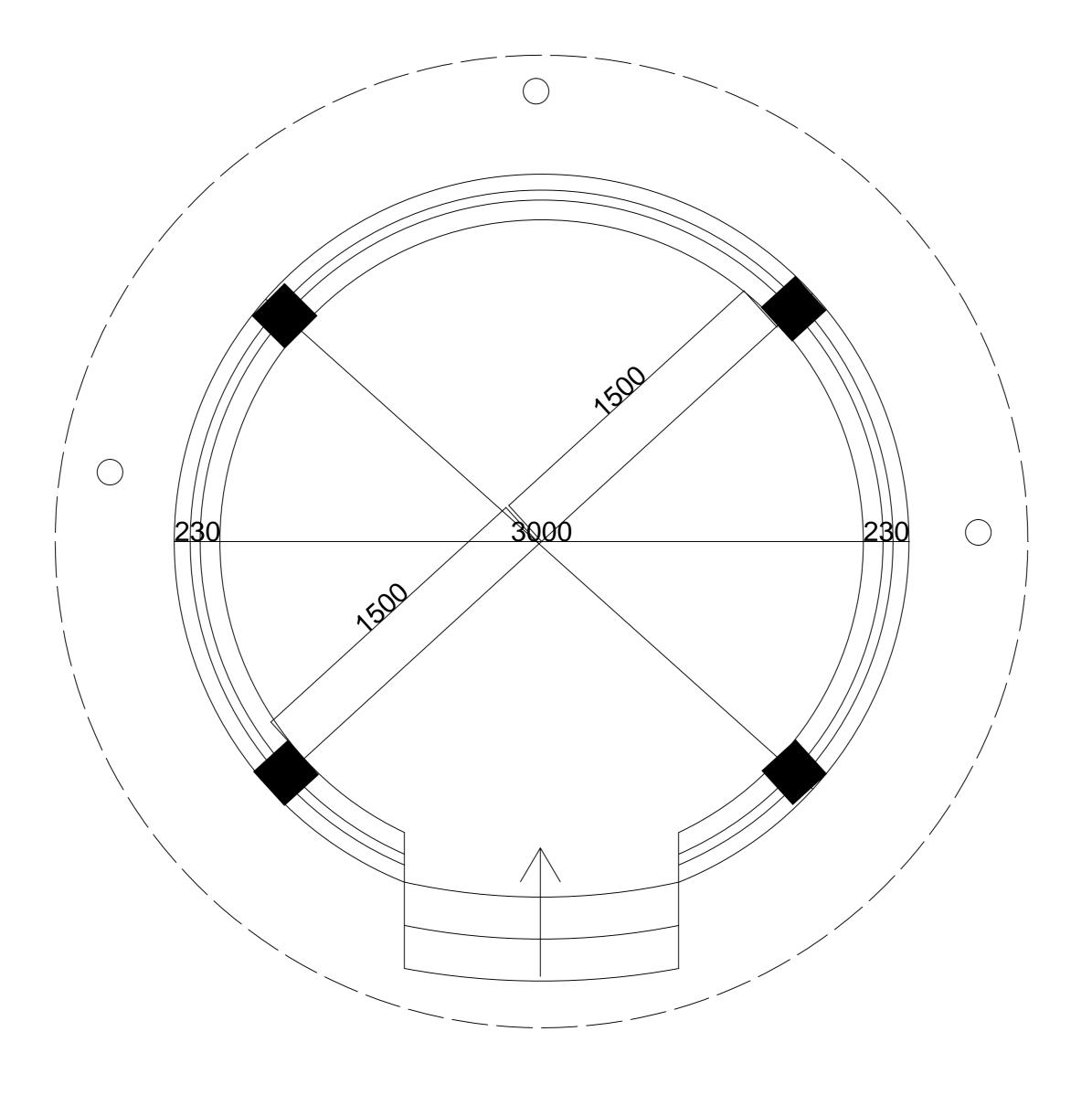
SCALE: **UNITS: MM** **GUIDED BY:-**AR. KESHAV KUMAR





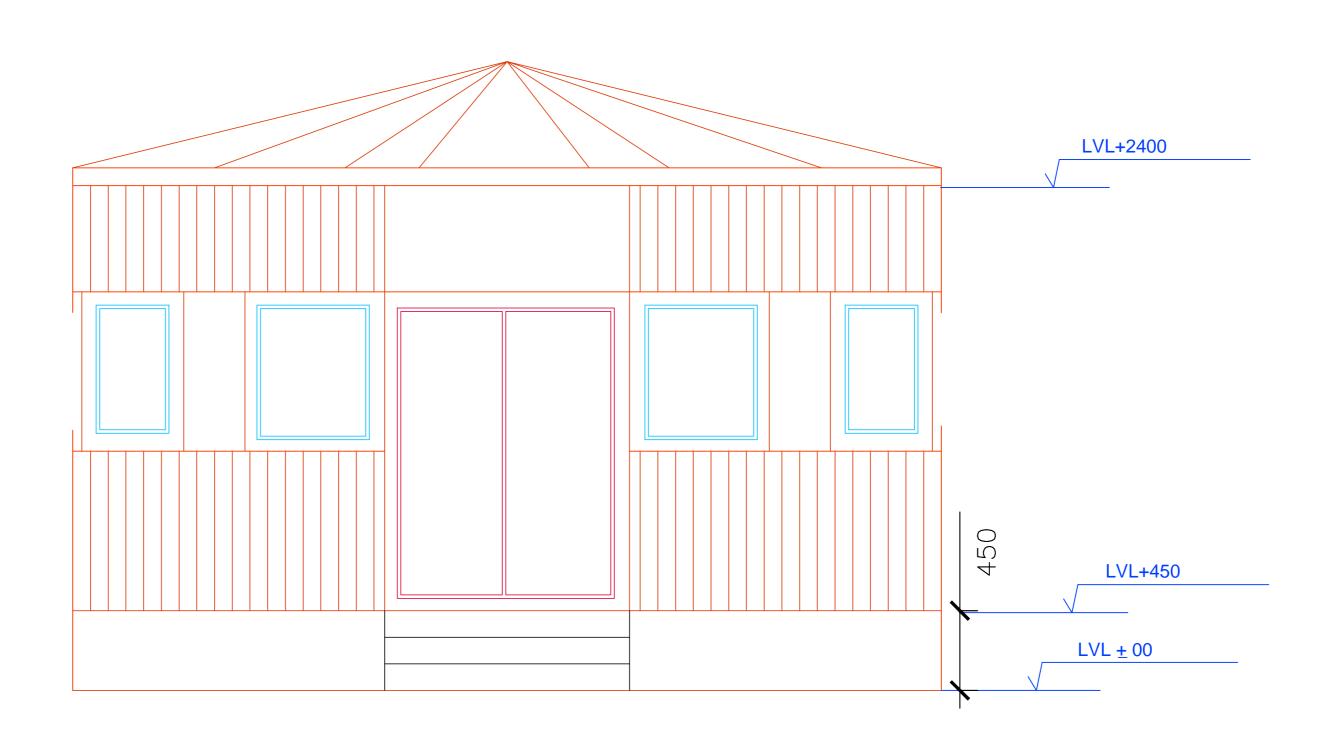


SITE SECTION X-X'

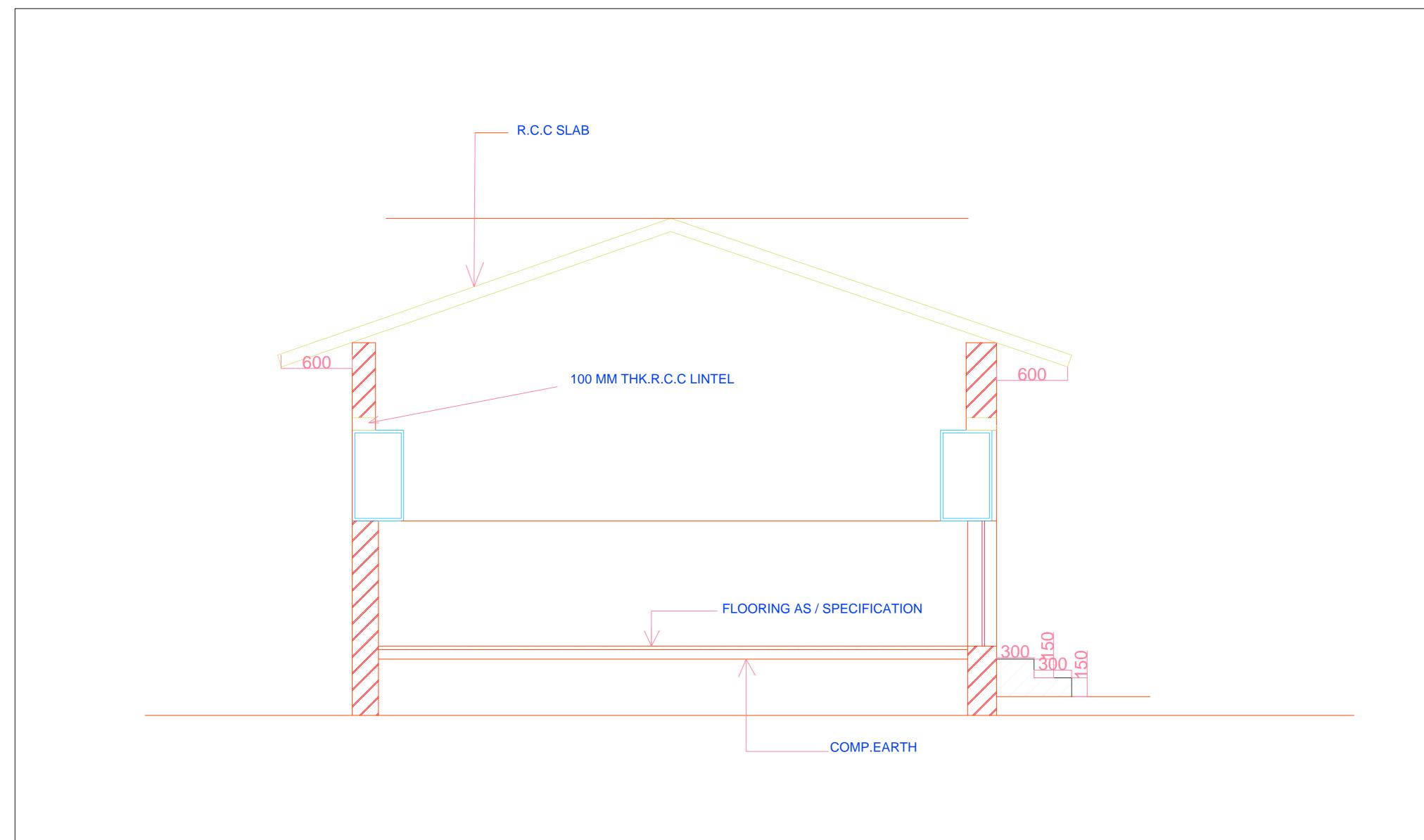


SCALE 1:100

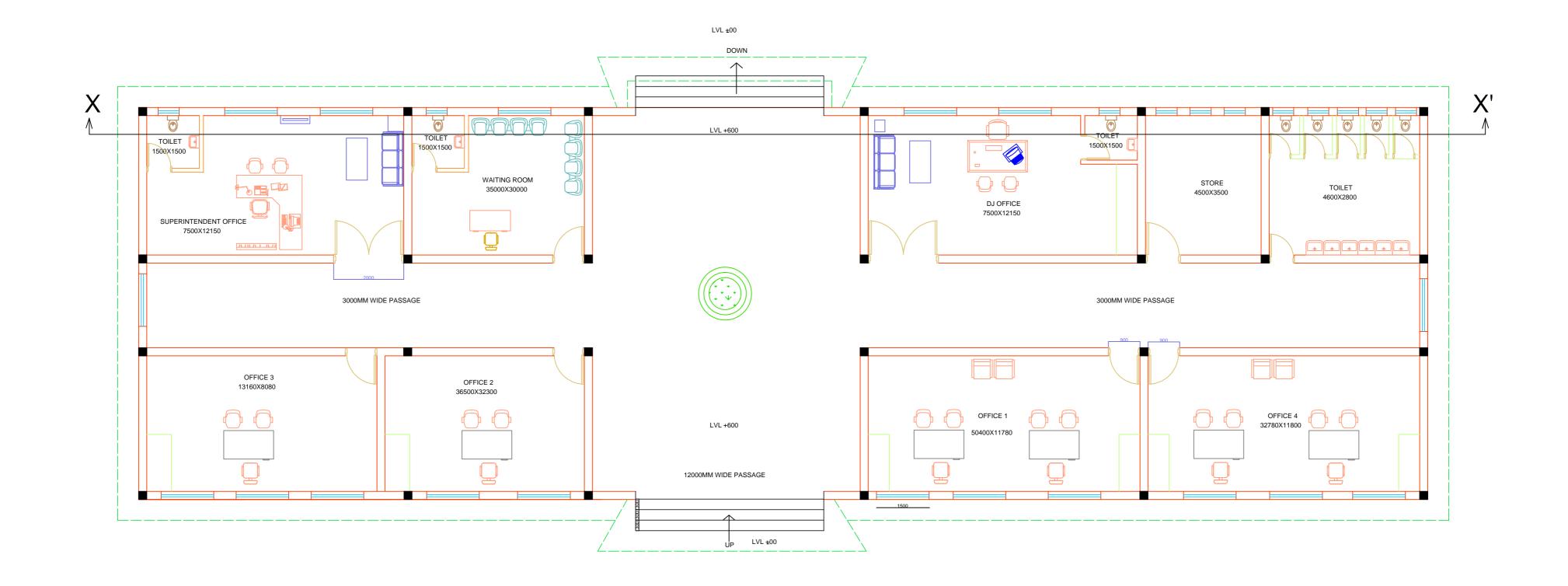
SANTRY POST - 7.07 SQ.M



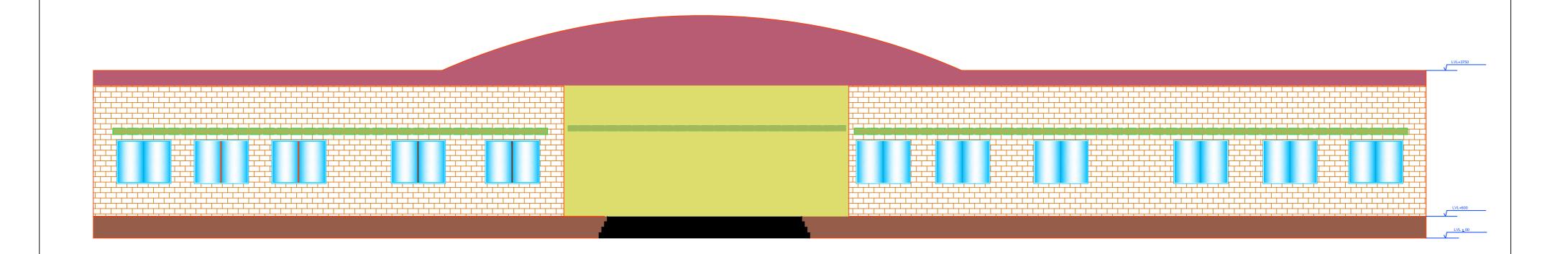
FRONT ELEVATION



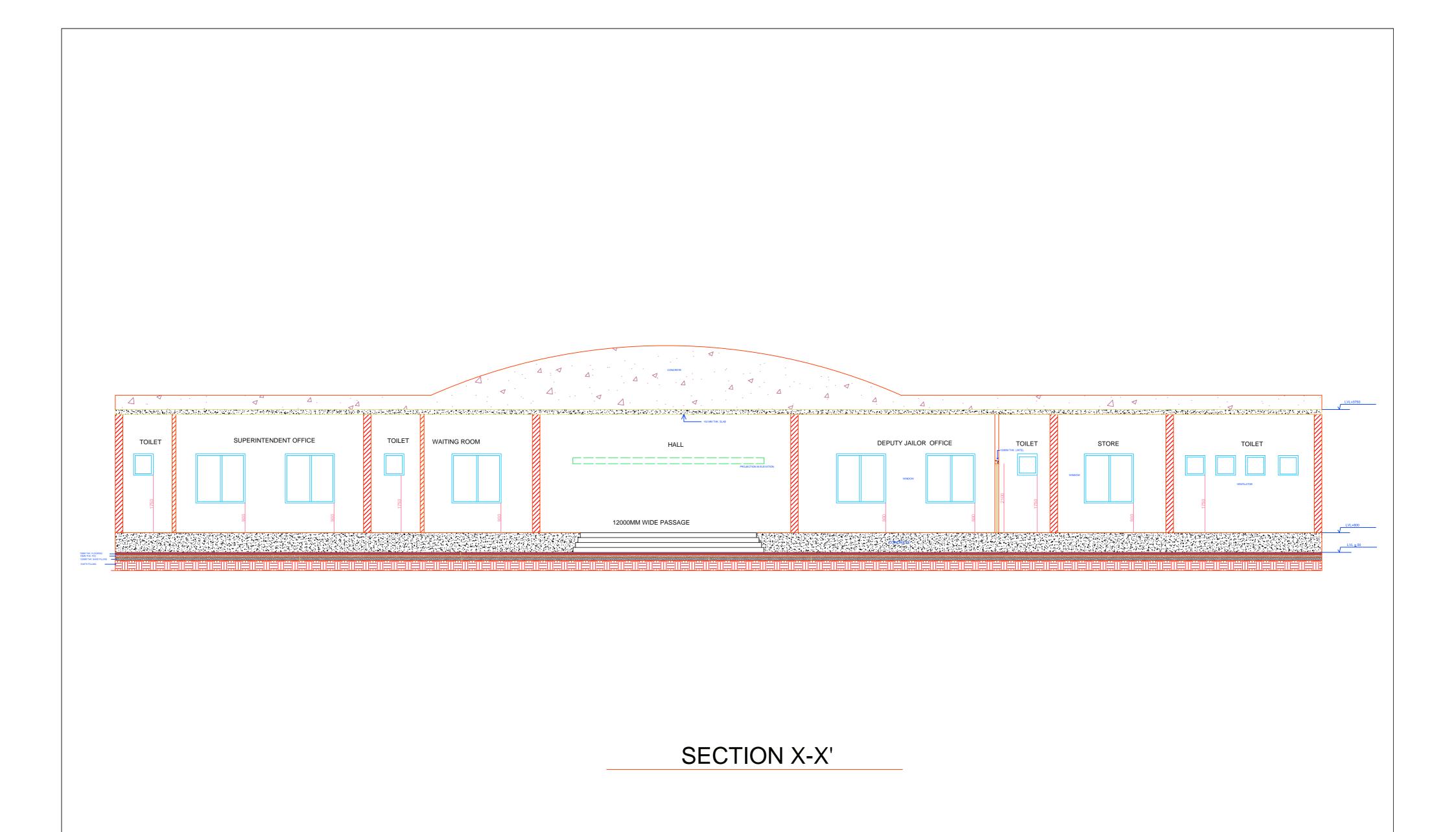
SECTION Y-Y'

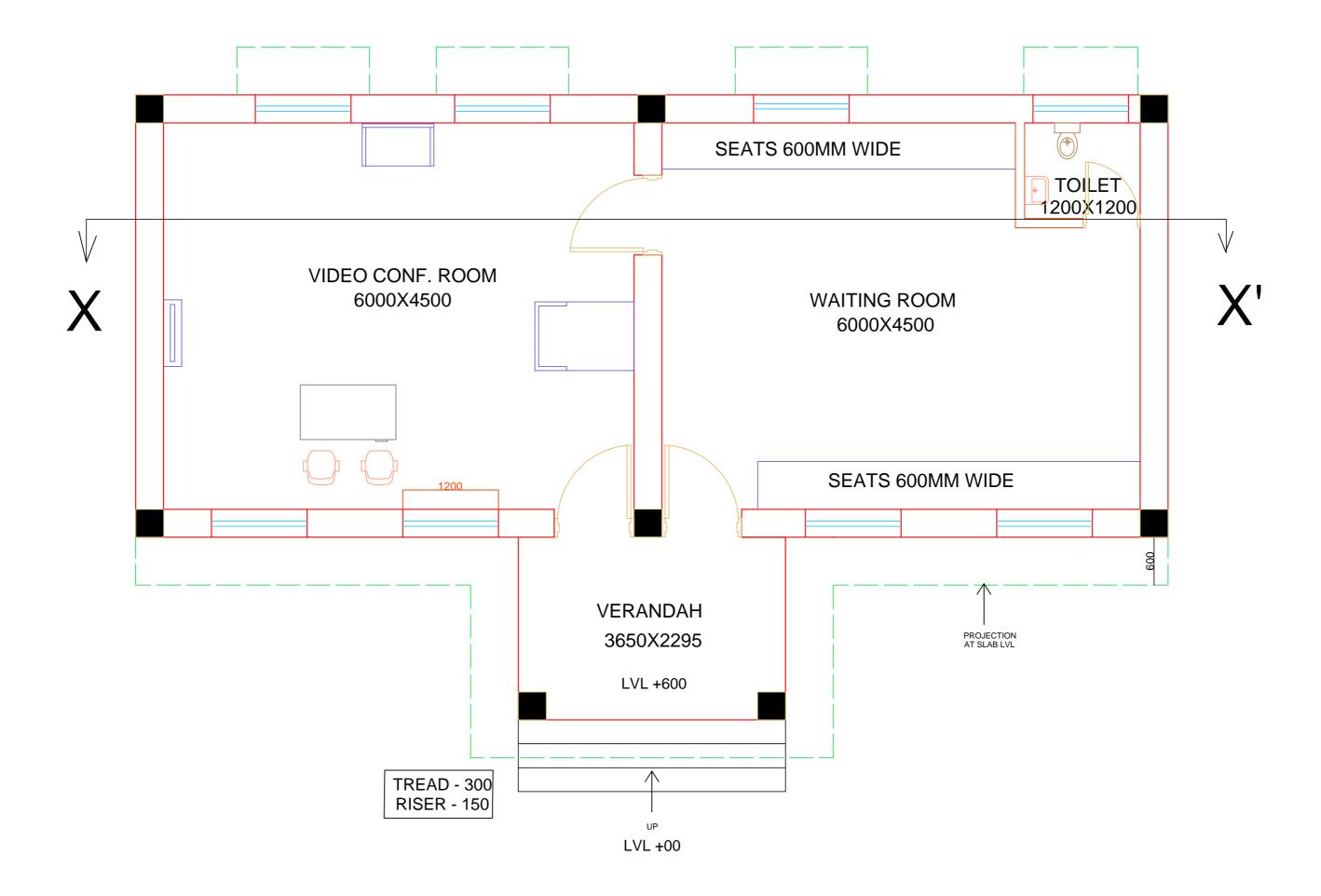


ADMINISTRATIVE BLOCK - 302SQ.M

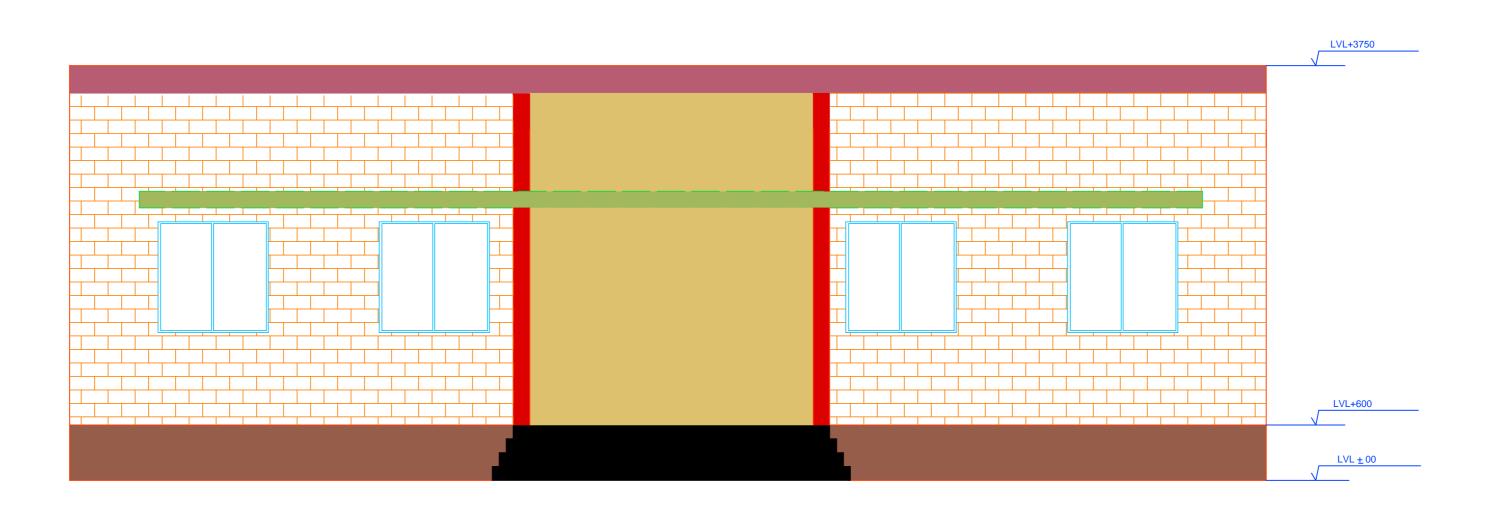


FRONT ELEVATION

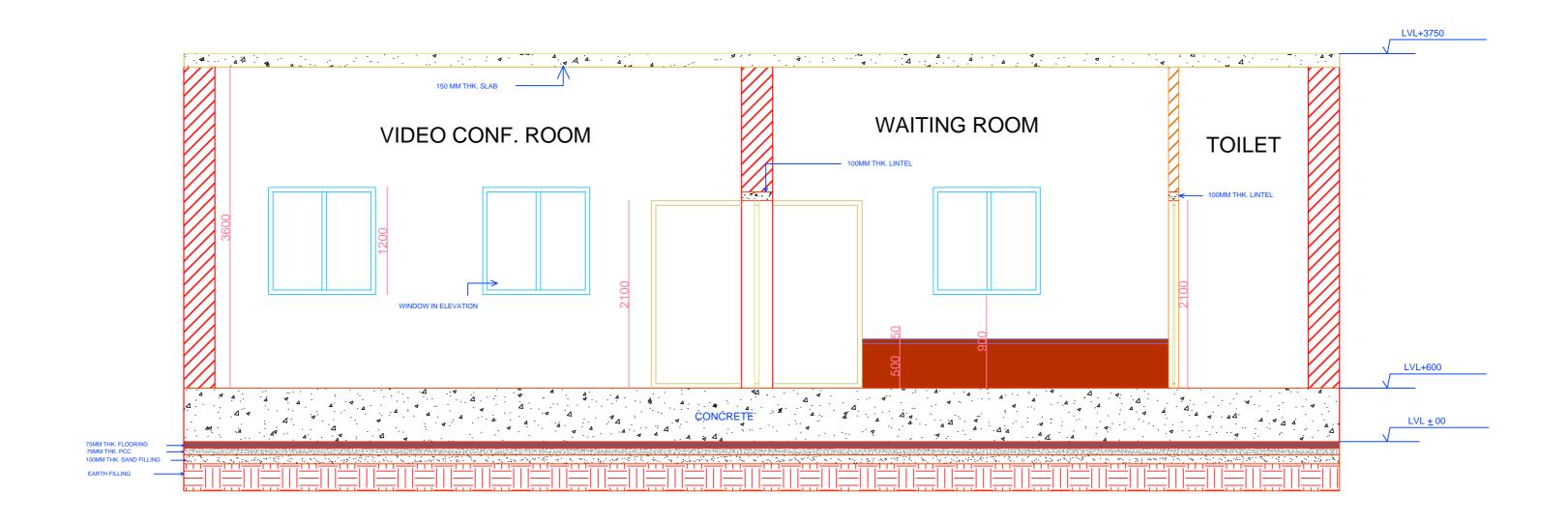




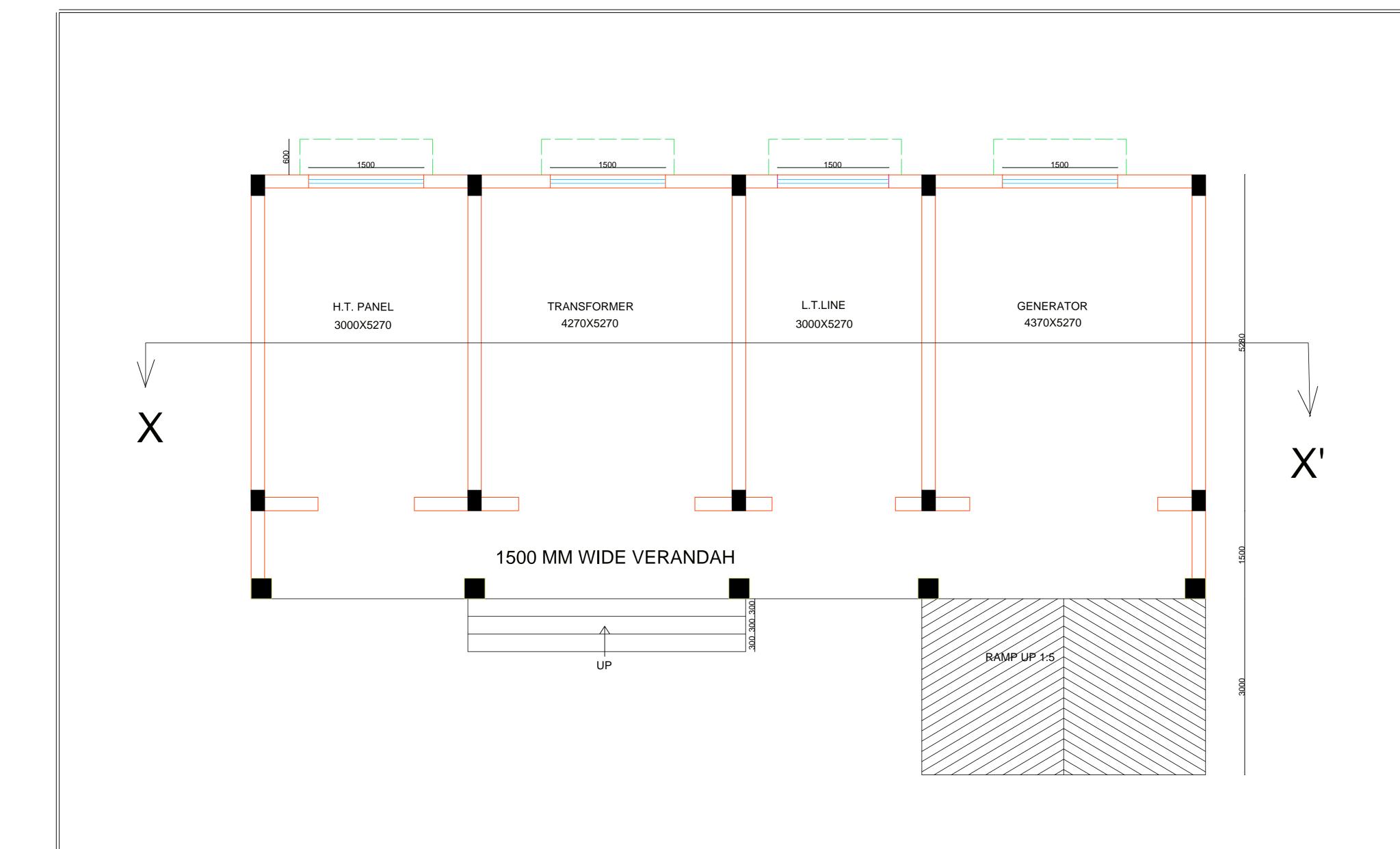
VIDEO CONFERENCING-114.16 SQ.M



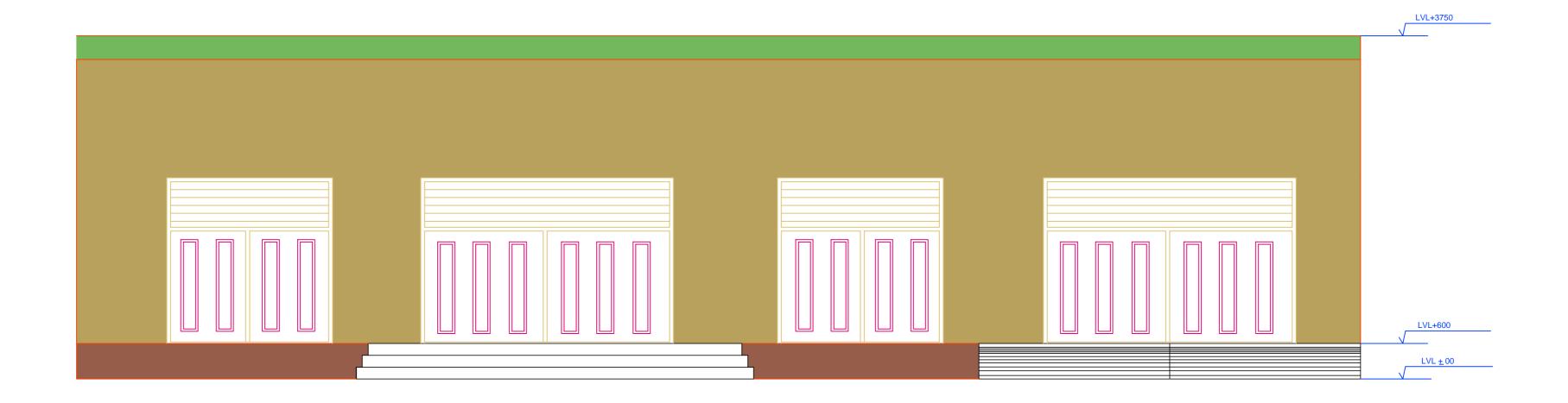
FRONT ELEVATION



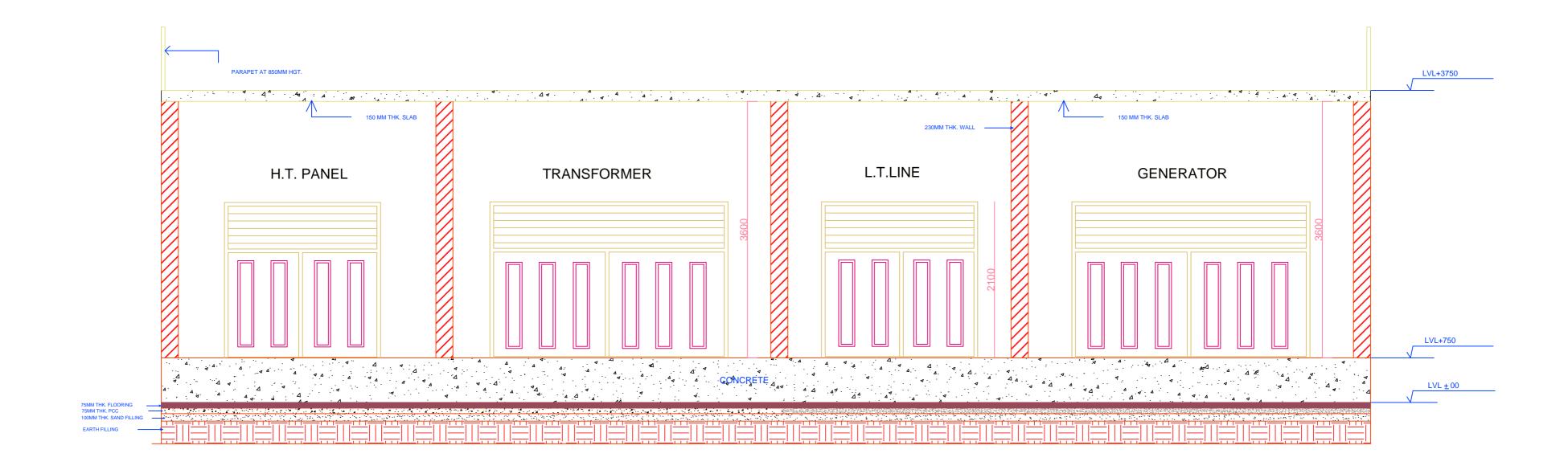
SECTION X-X'



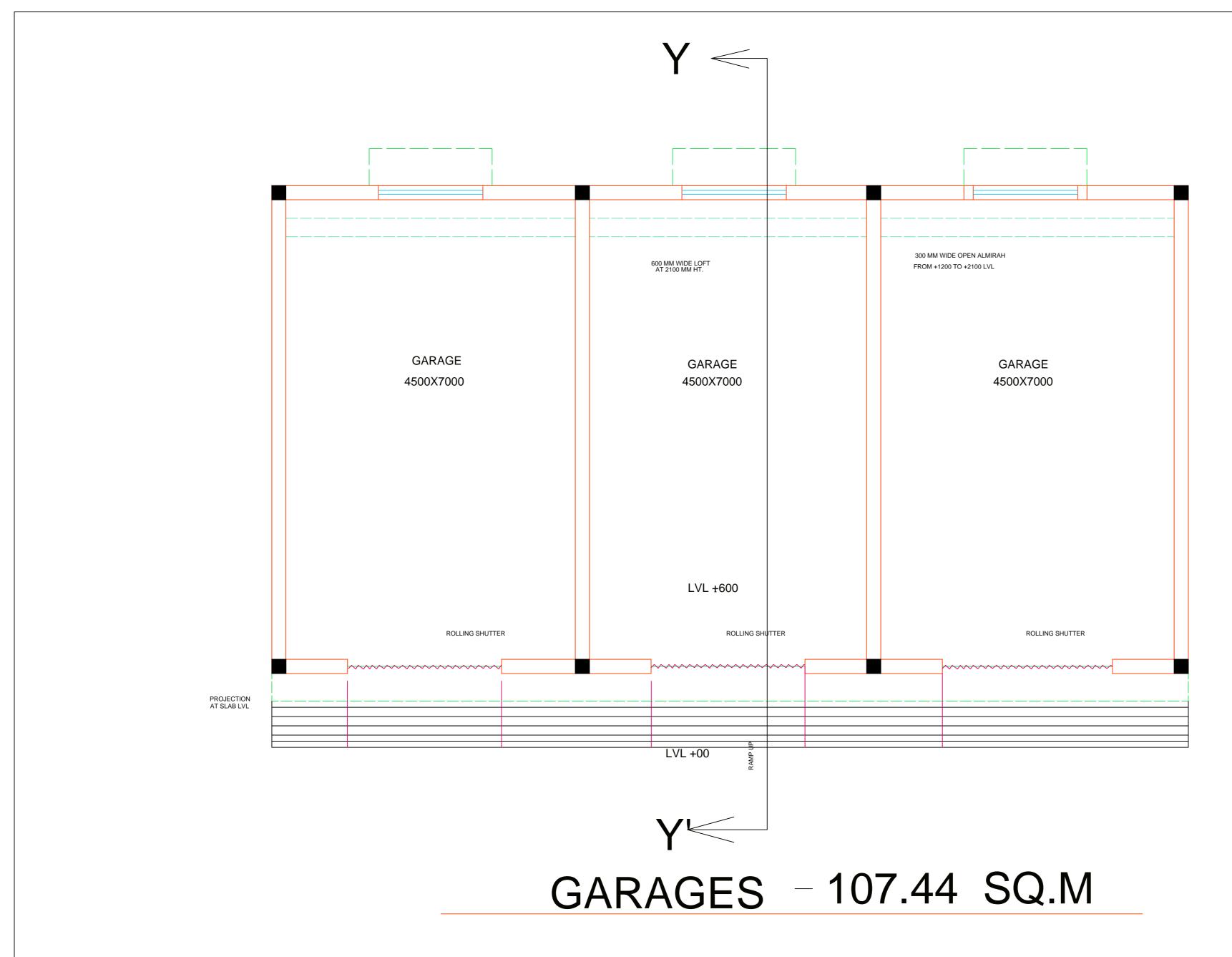
GENERATOR SUB-STATION – 114.16 SQ.M



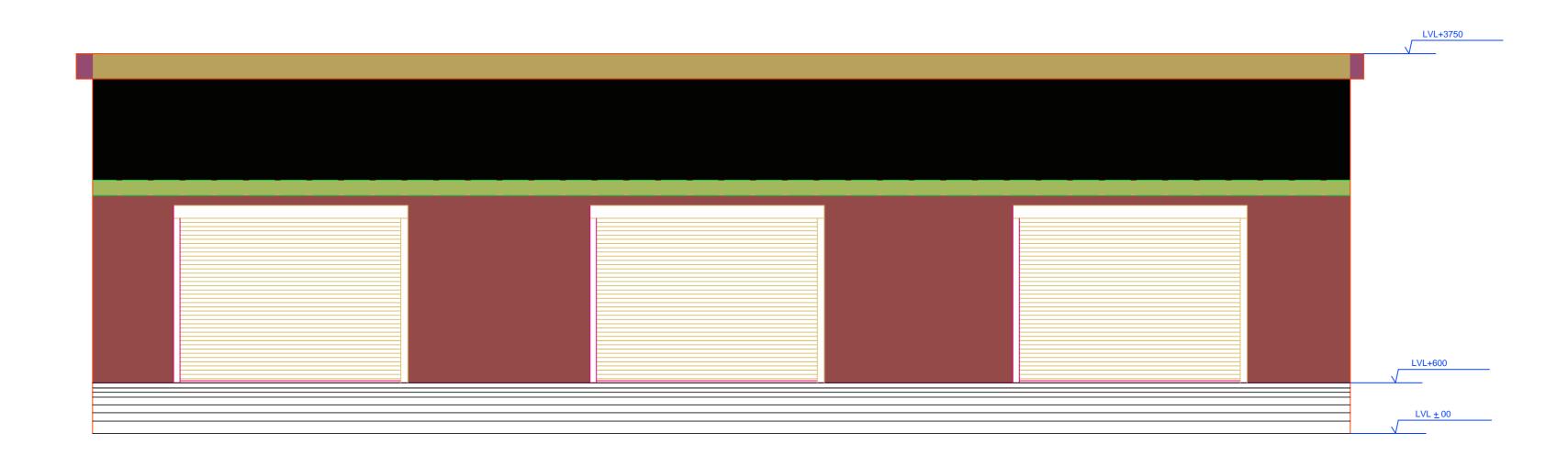
FRONT ELEVATION

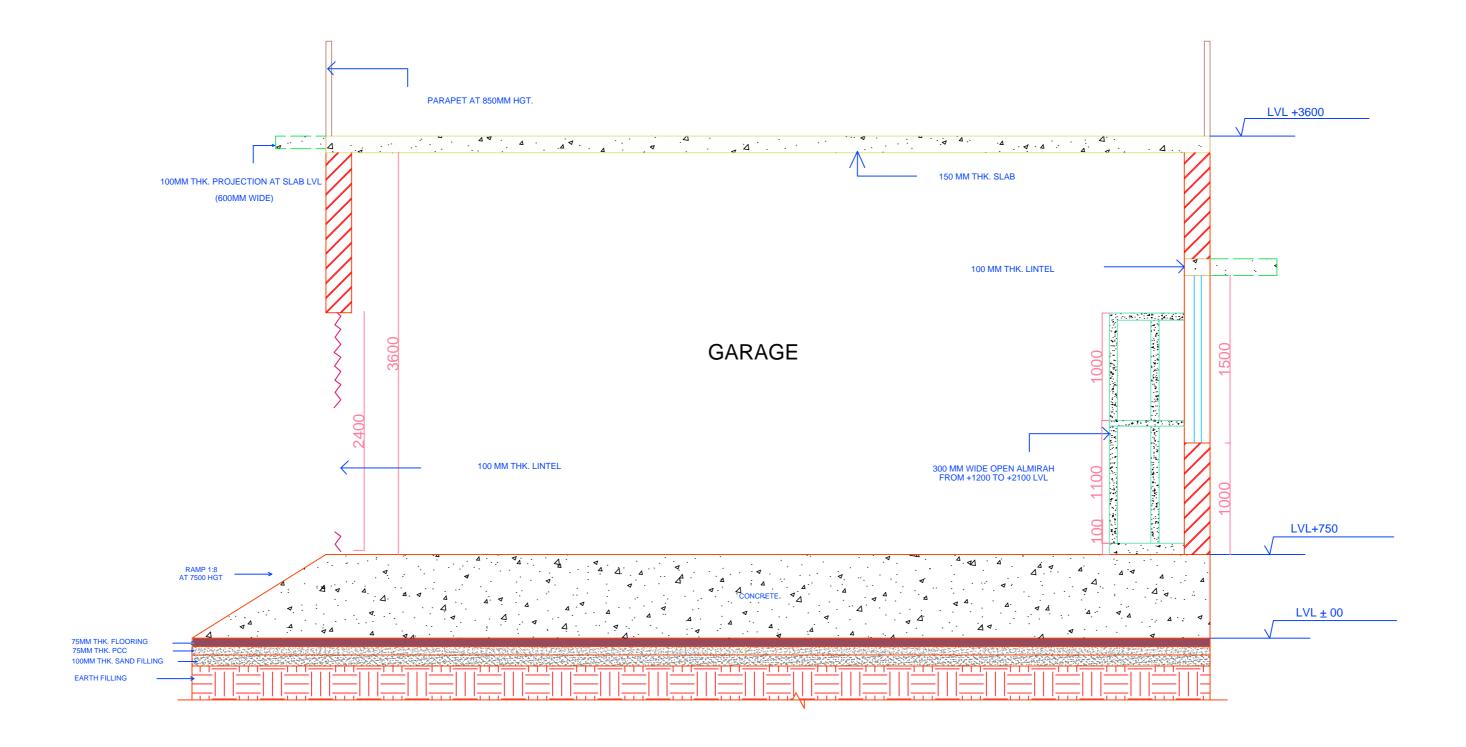


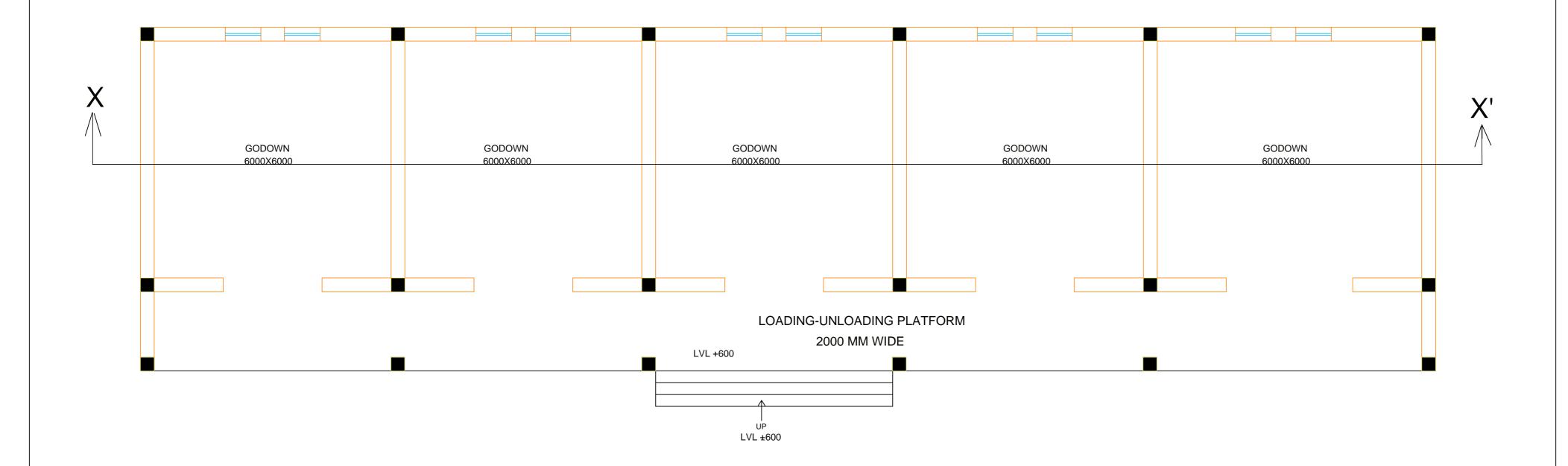
SECTION X-X'



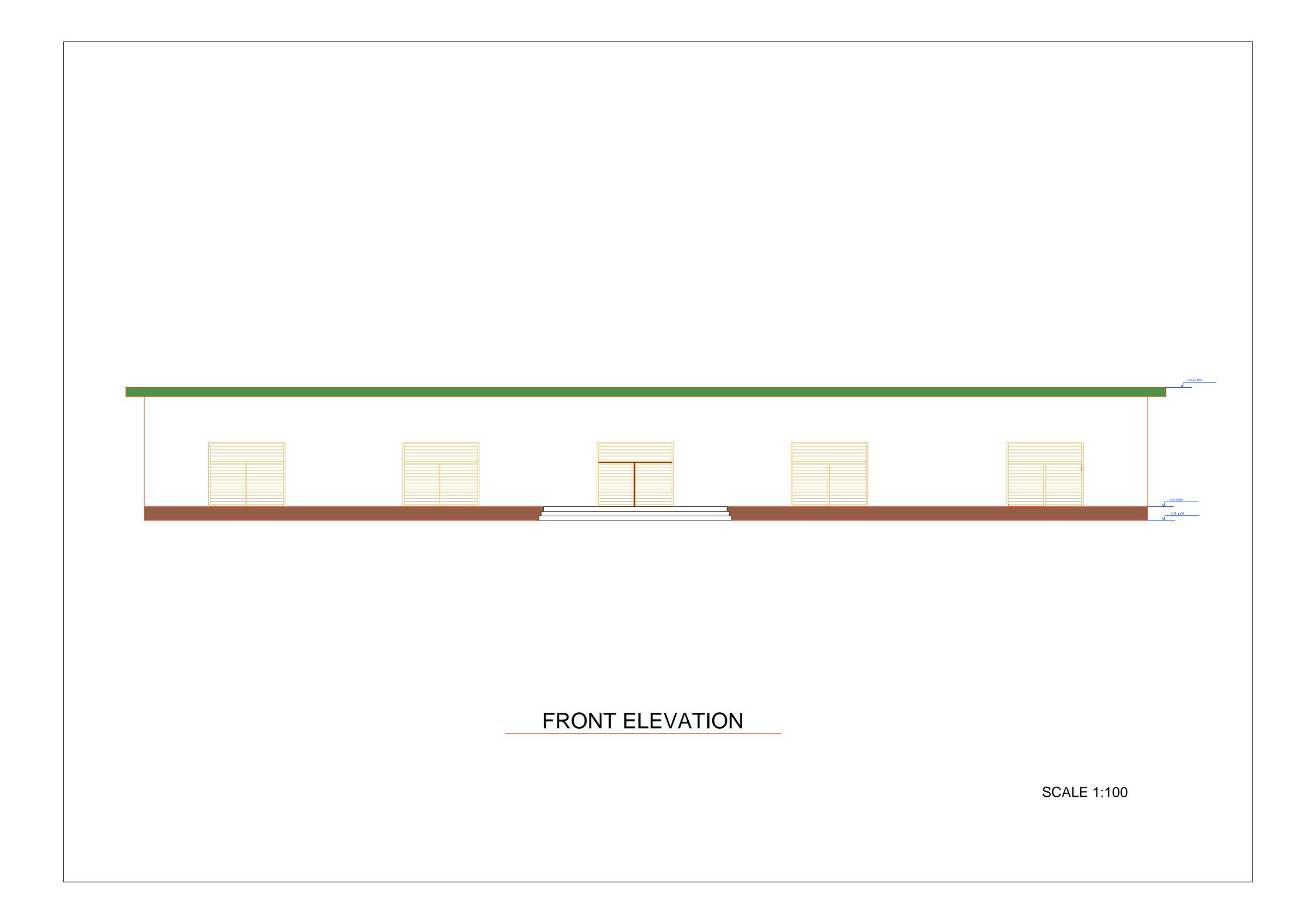
SCALE 1:100

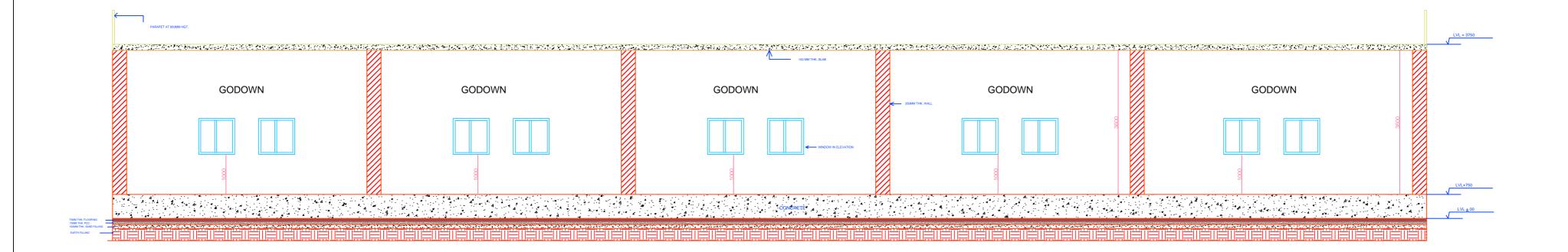




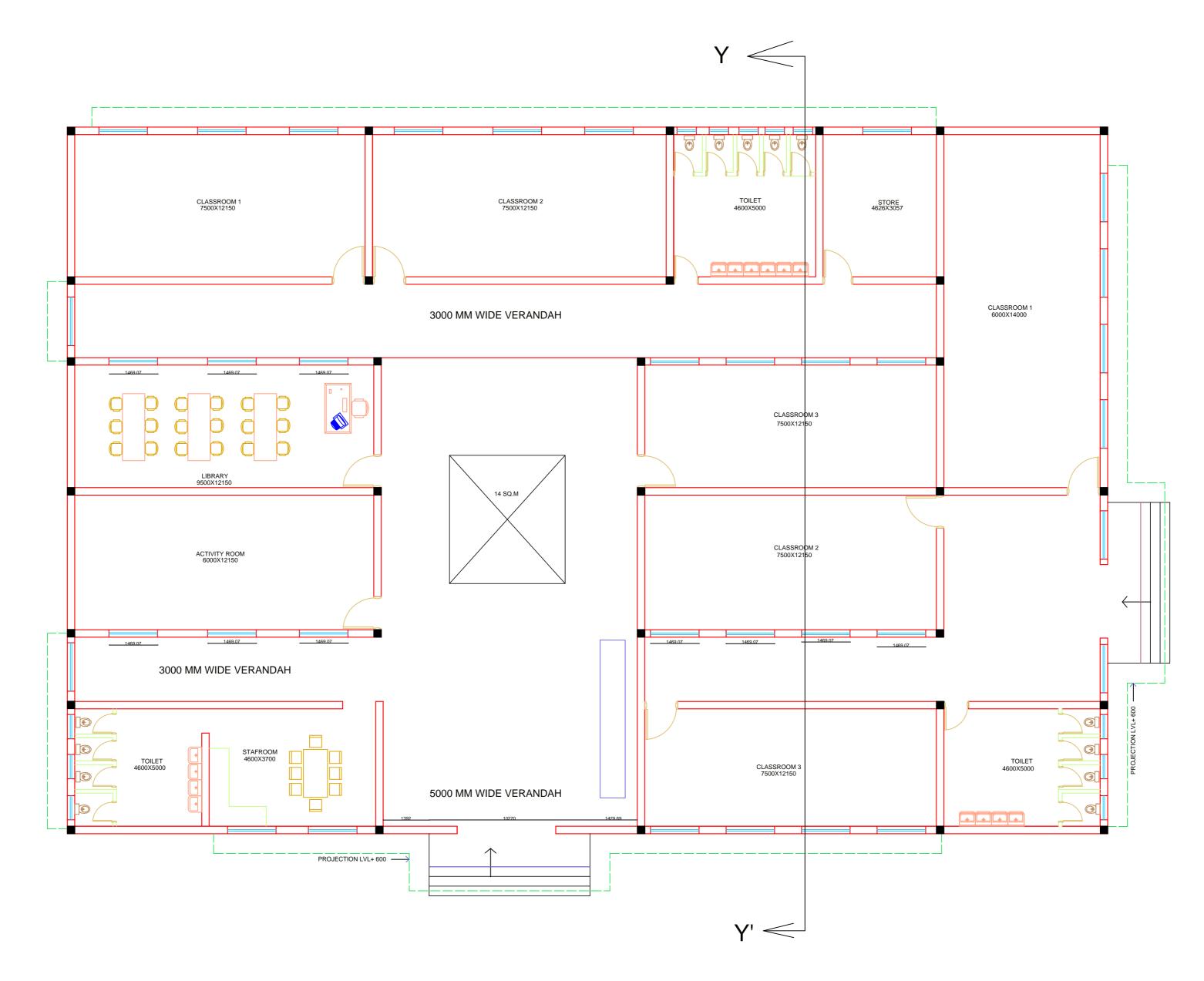


GENERATOR SUB-STATION - 285.36 SQ.M

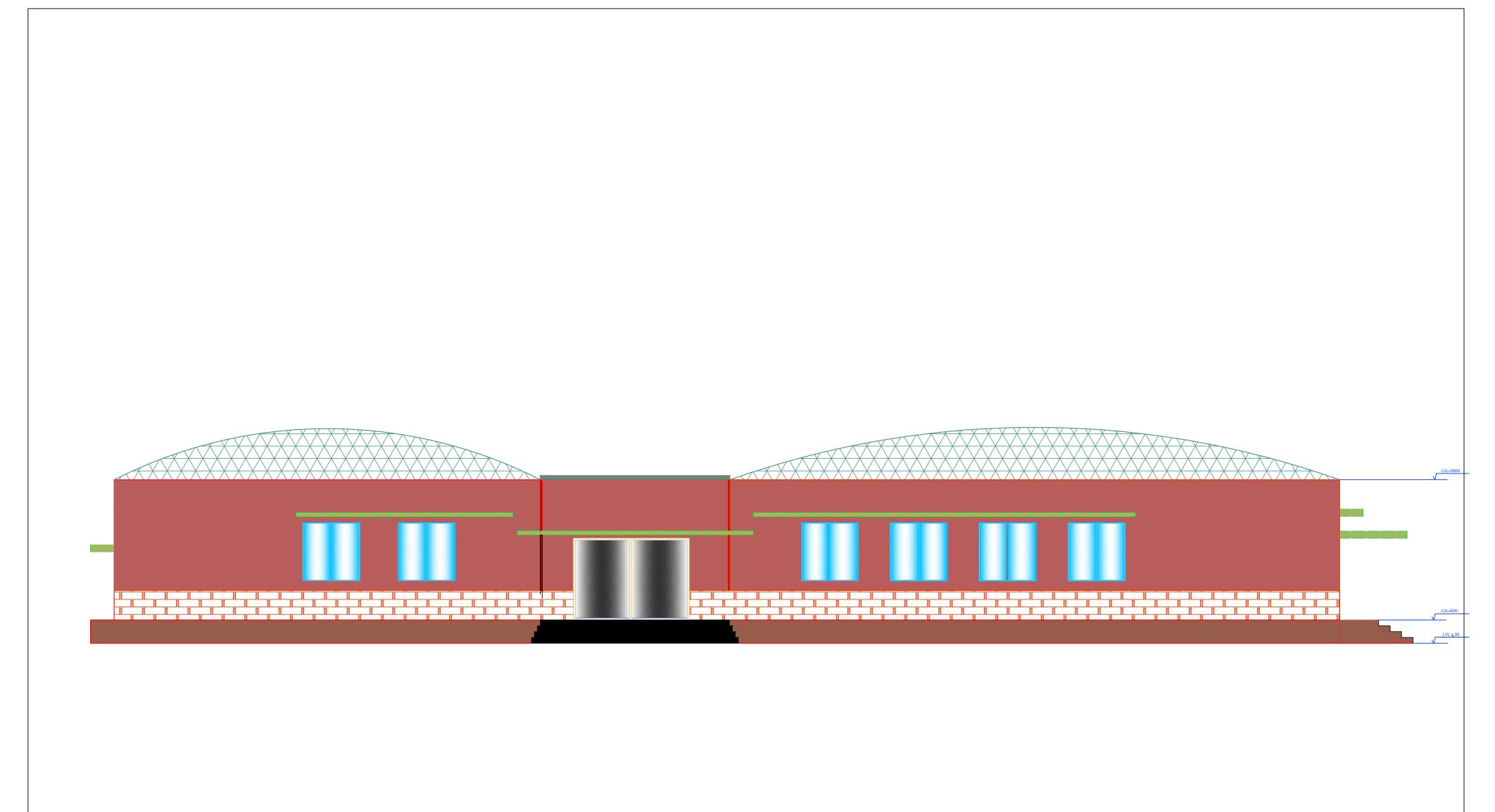


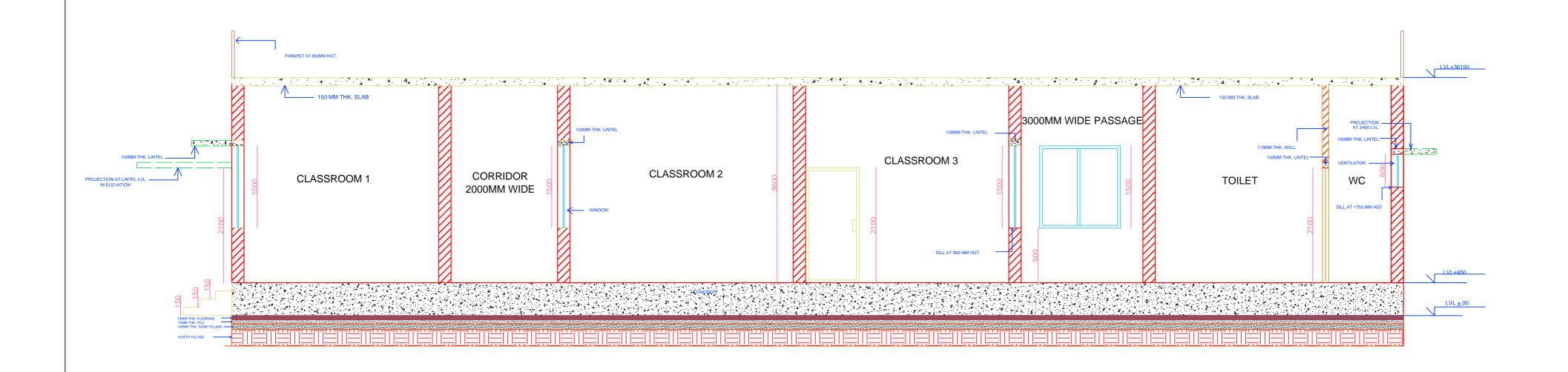


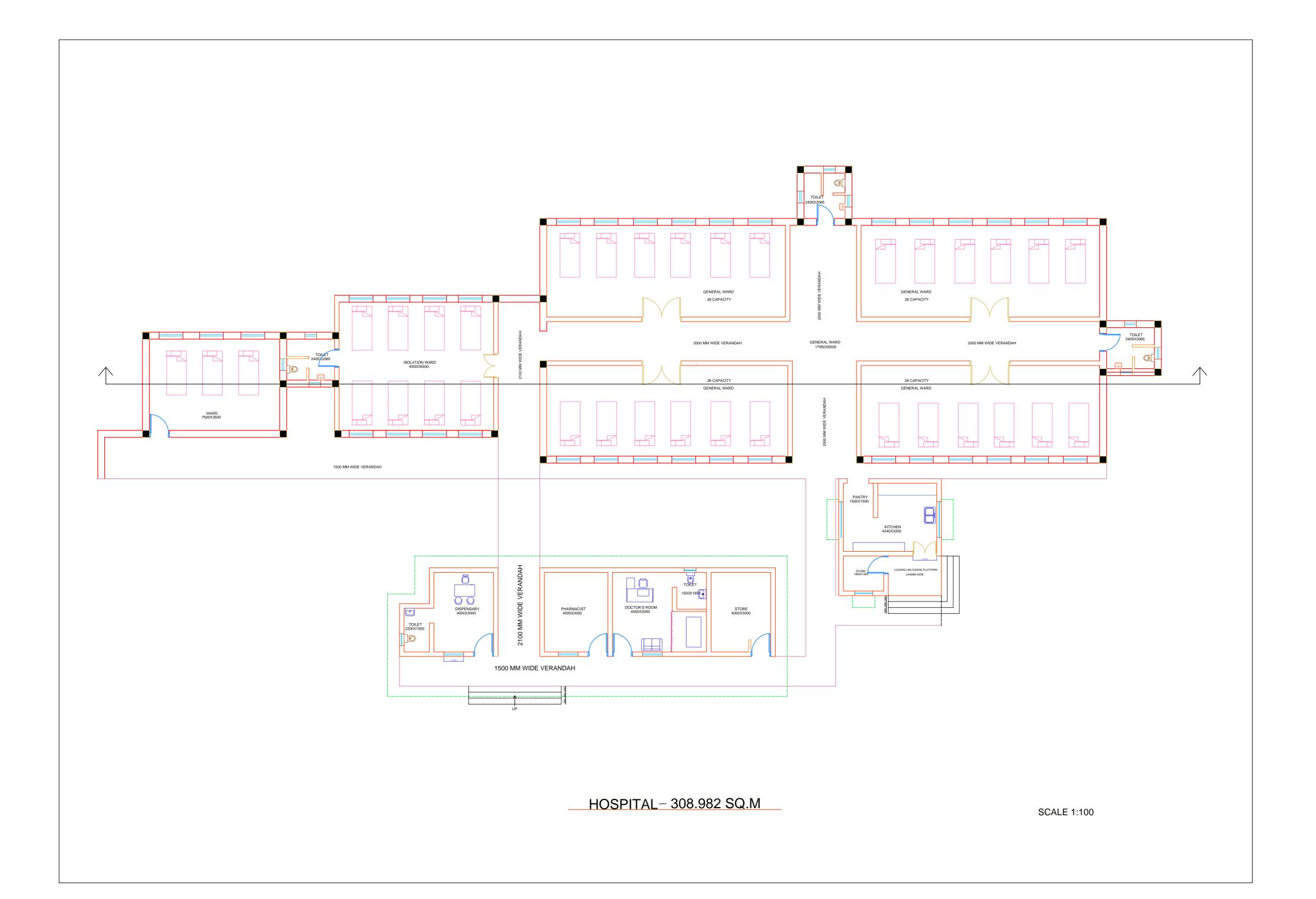
SECTION X-X'

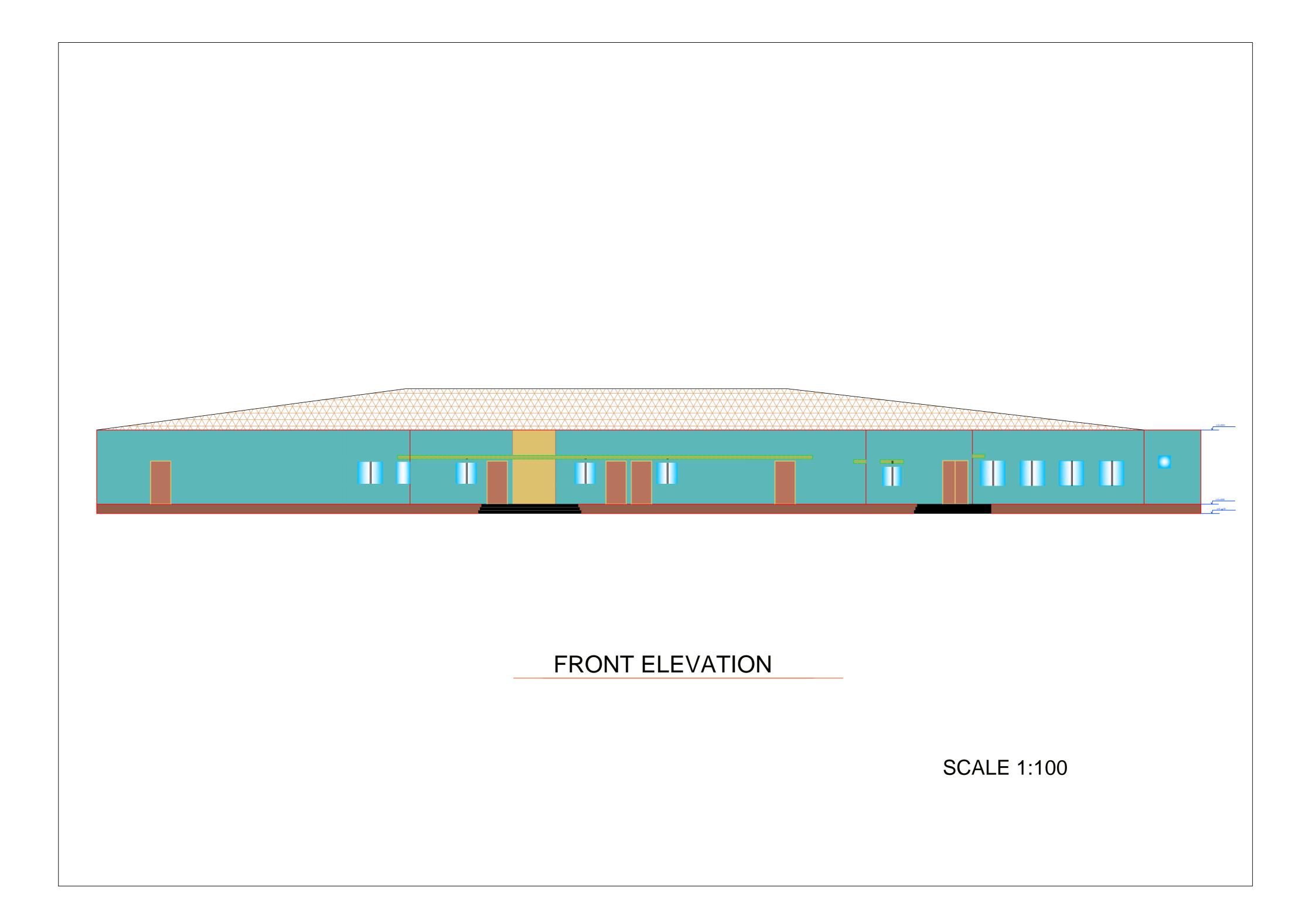


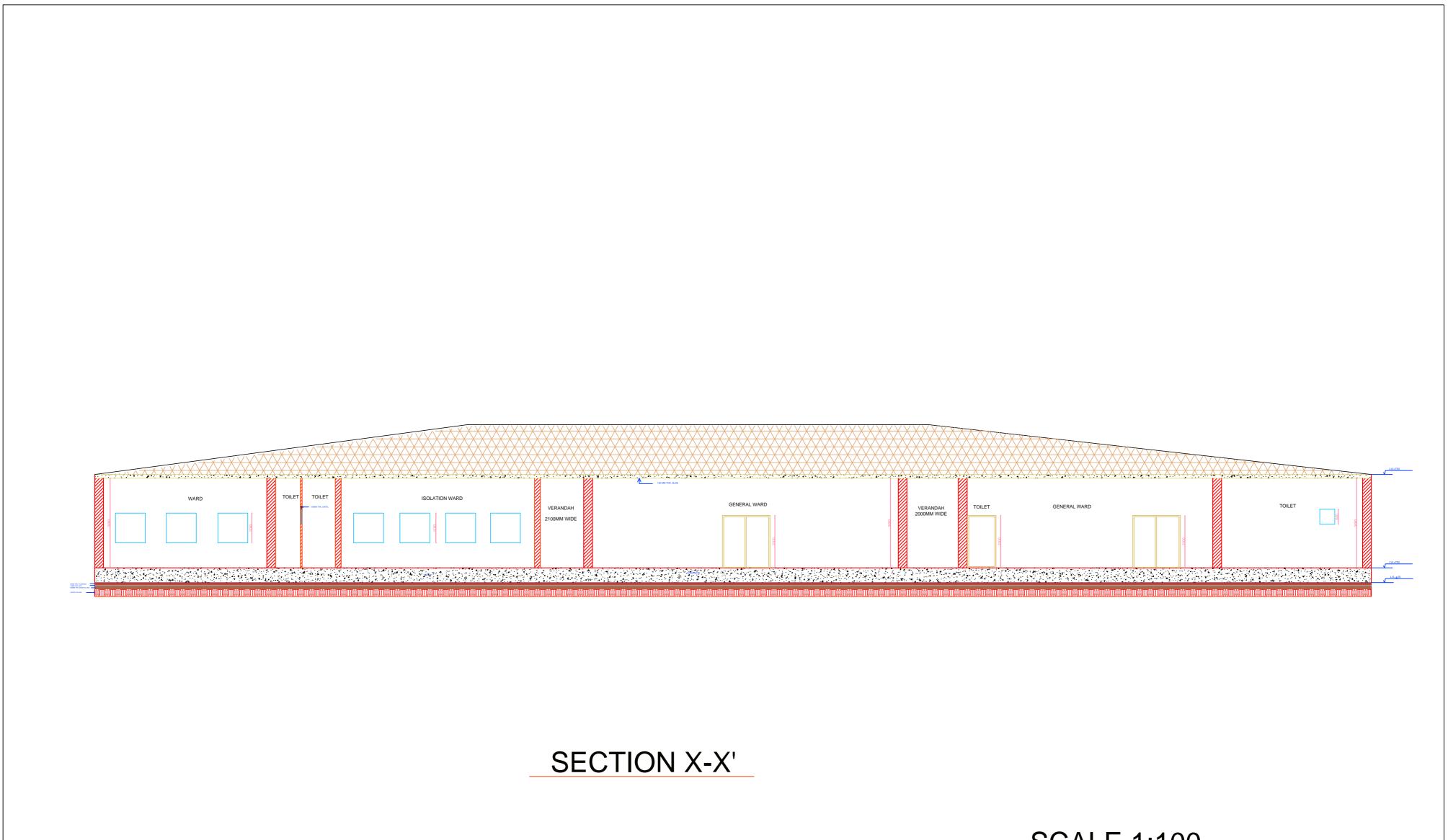
ADMINISTRATIVE BLOCK - 298.96 SQ.M

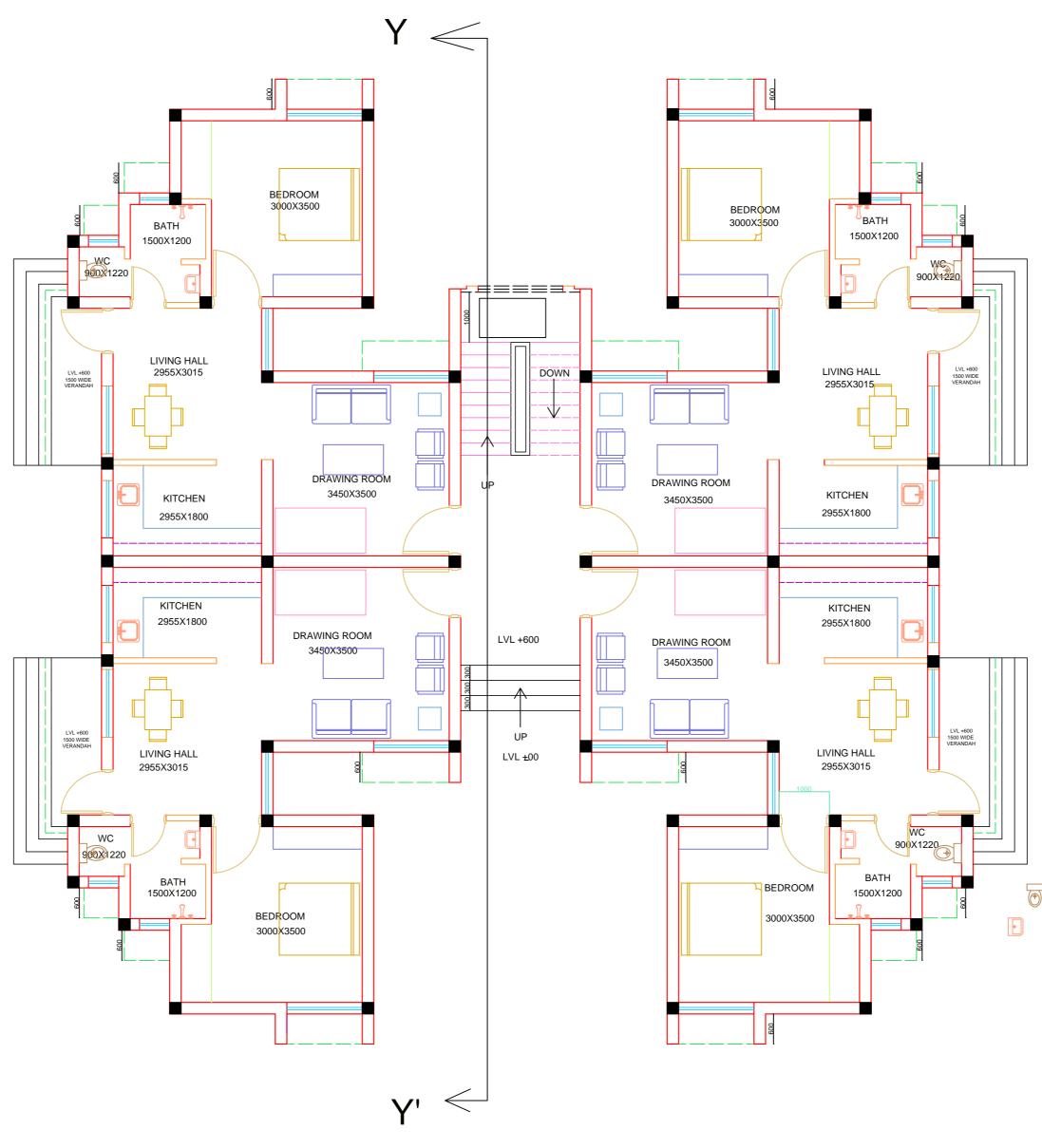




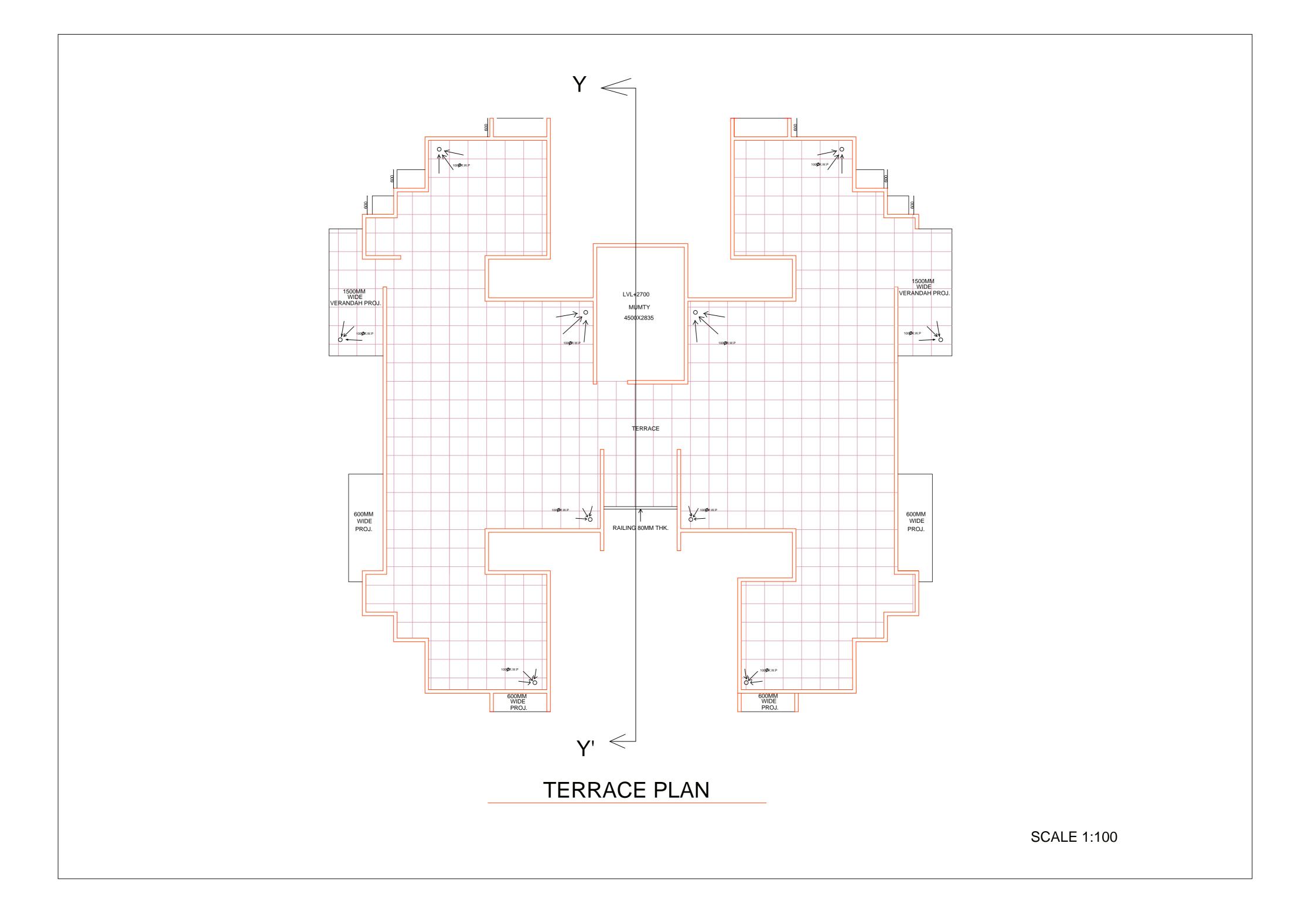


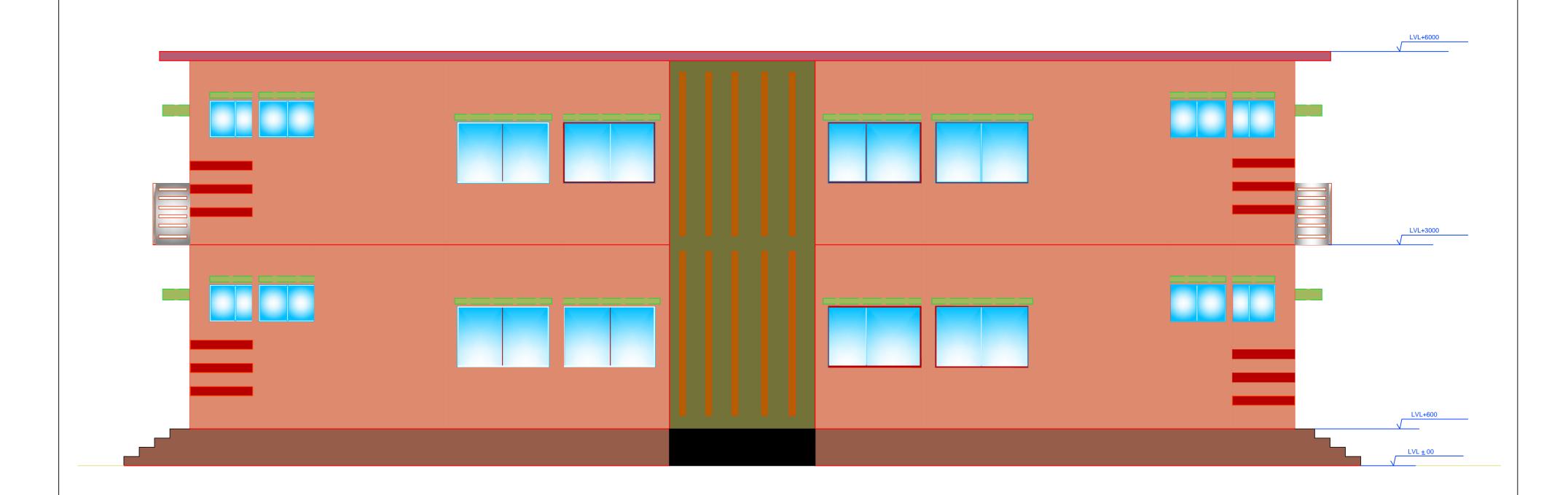


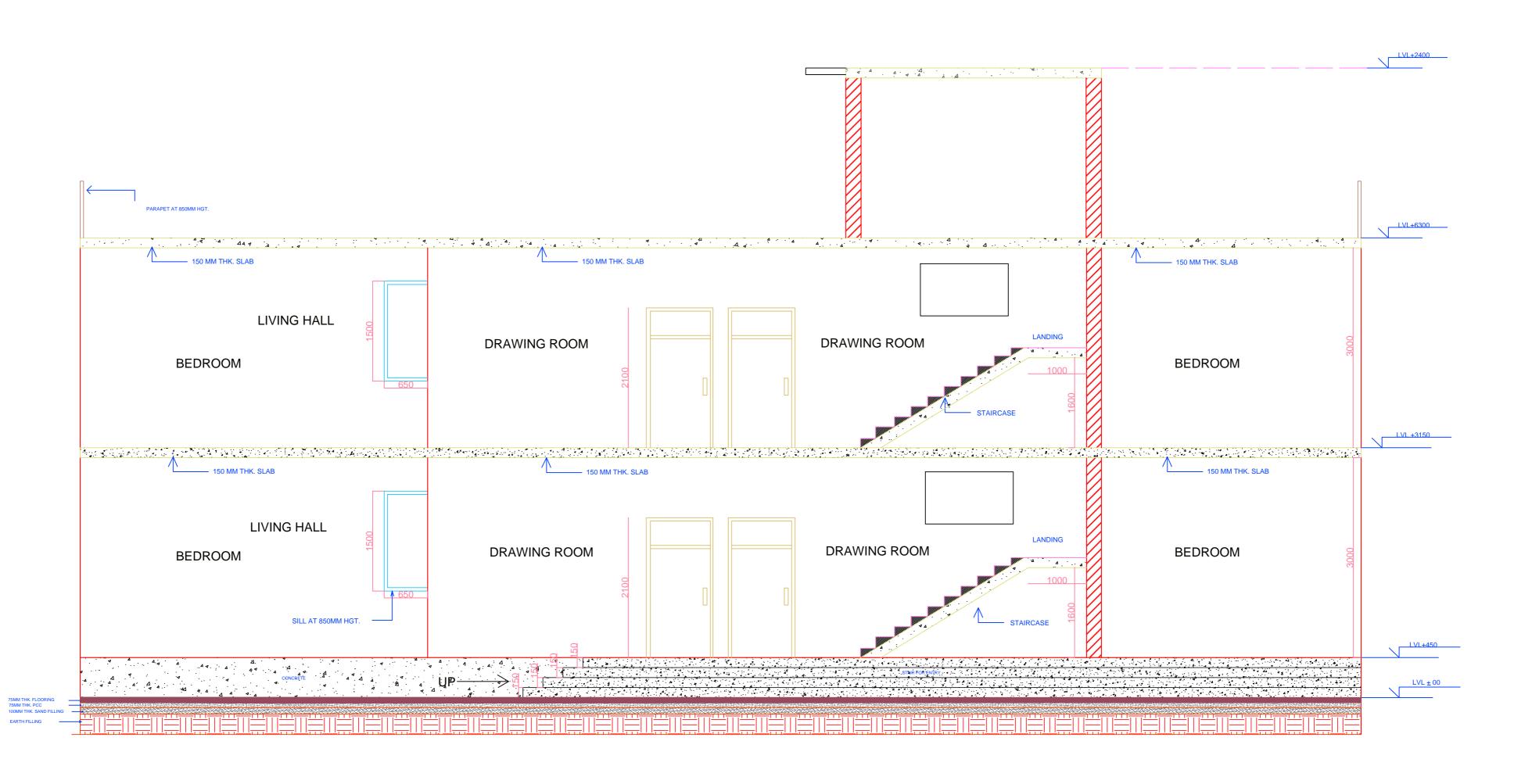


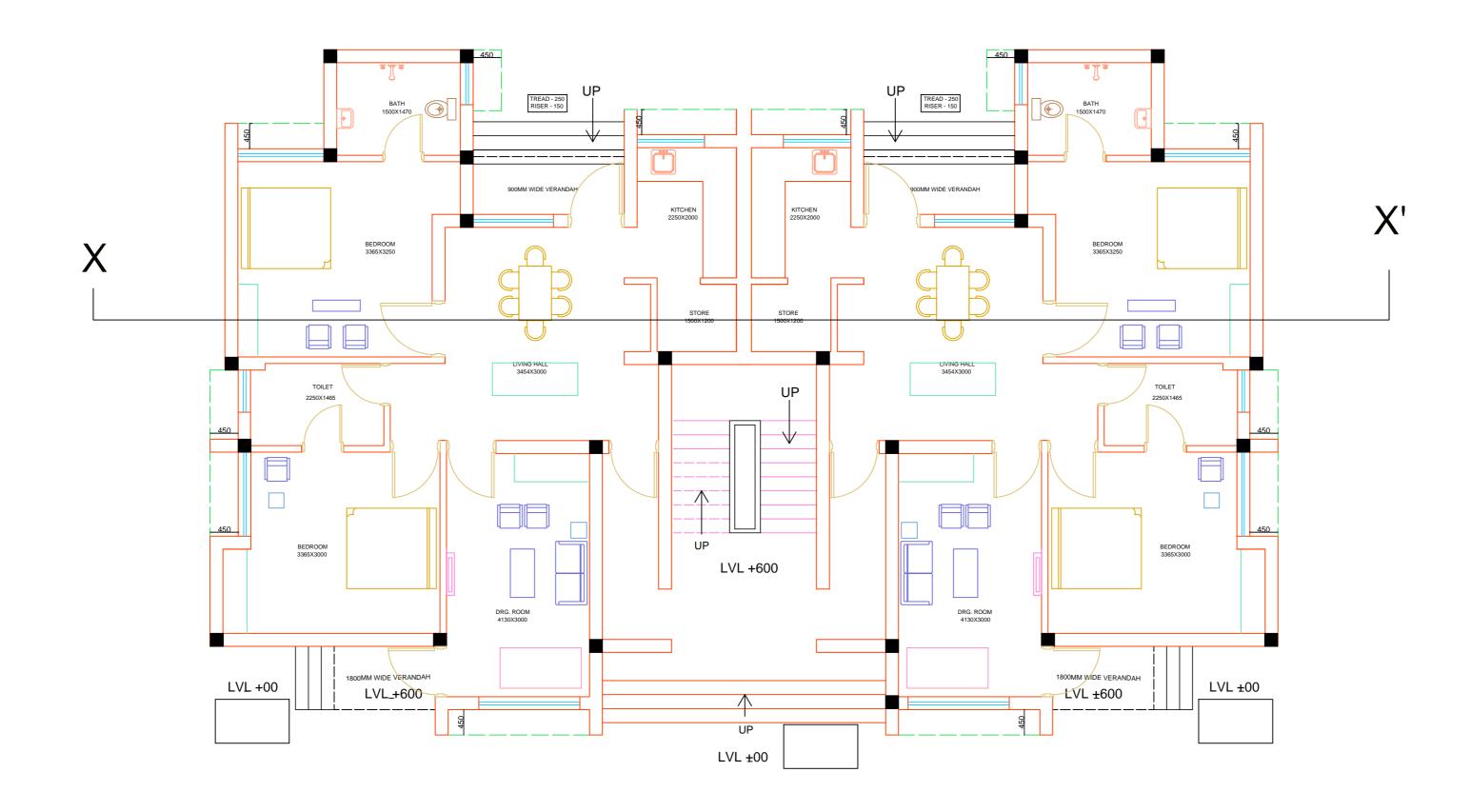


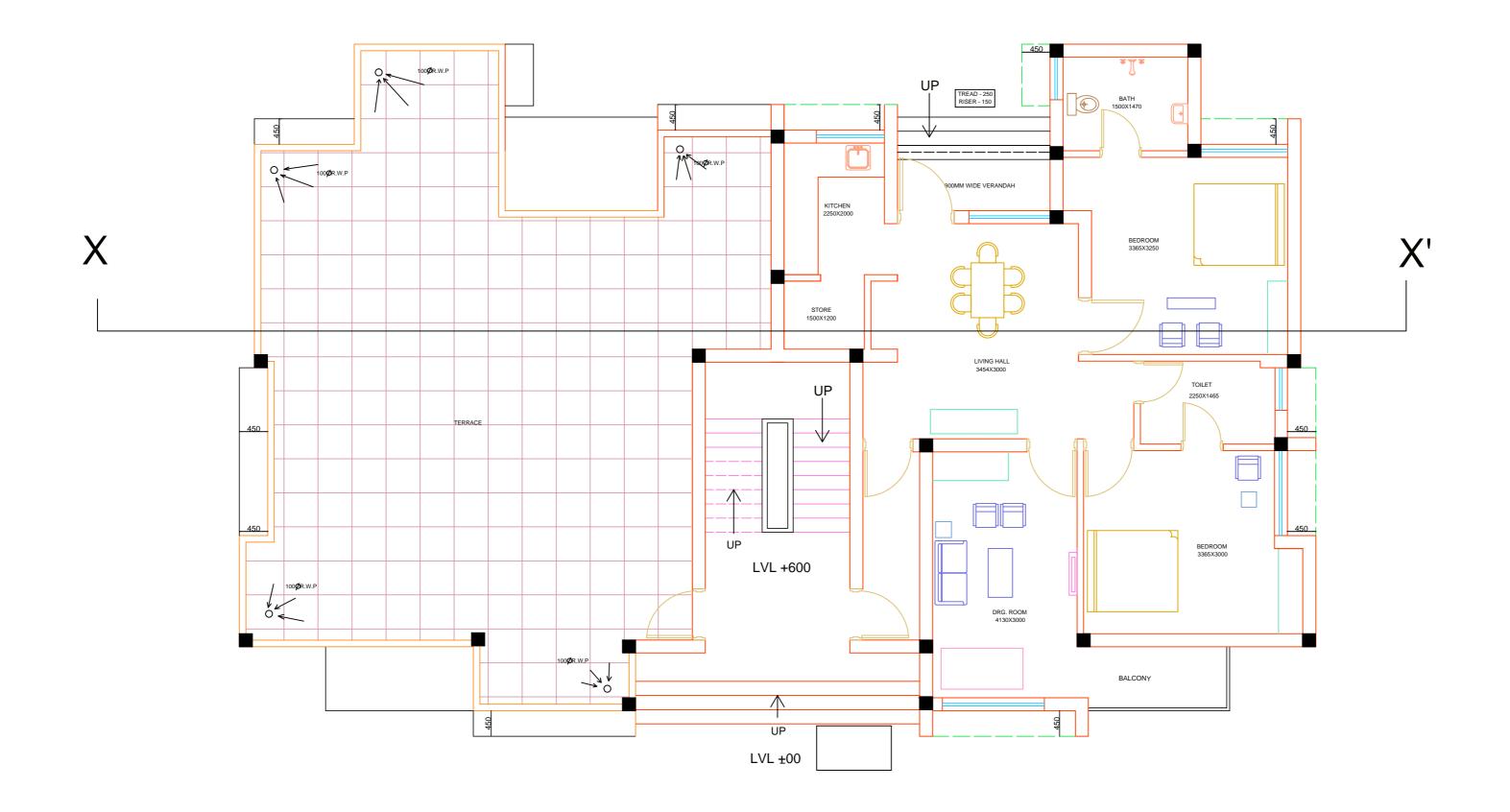
TYPE II RESIDENCE - 244.50 SQ.M



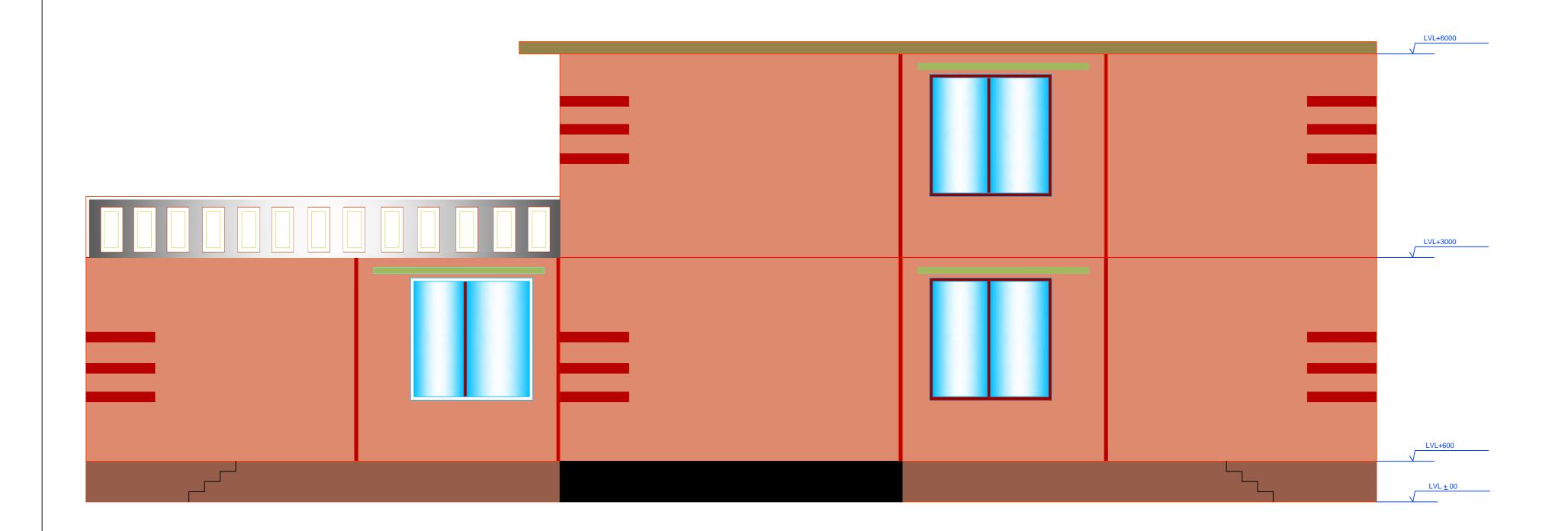


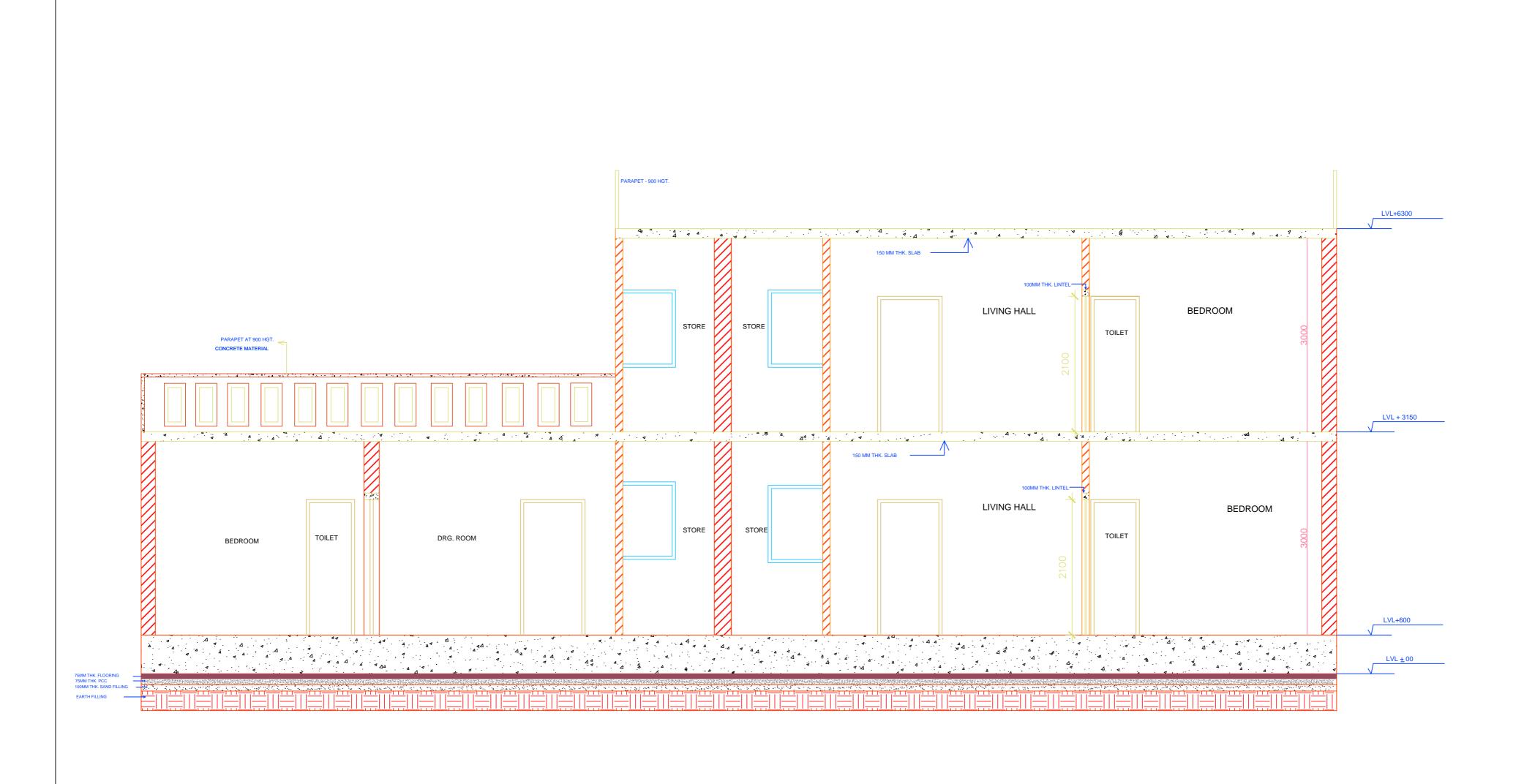




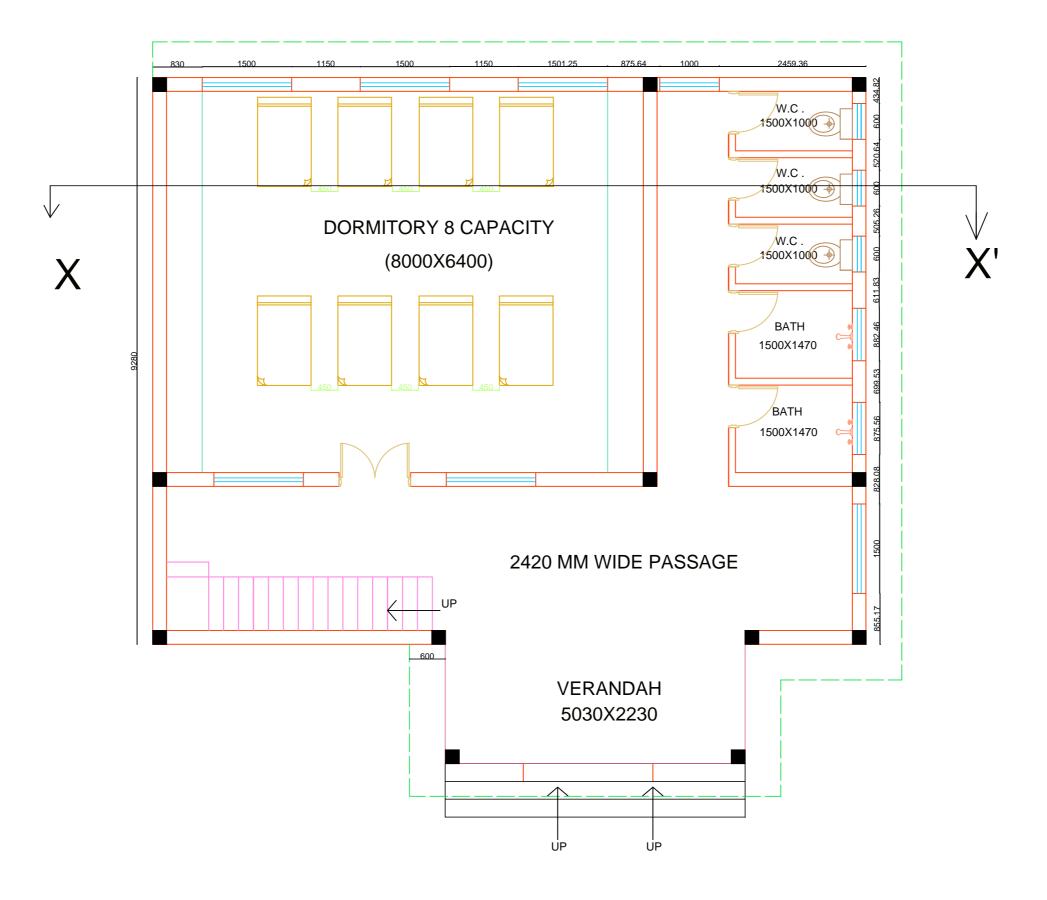


TERRACE PLAN



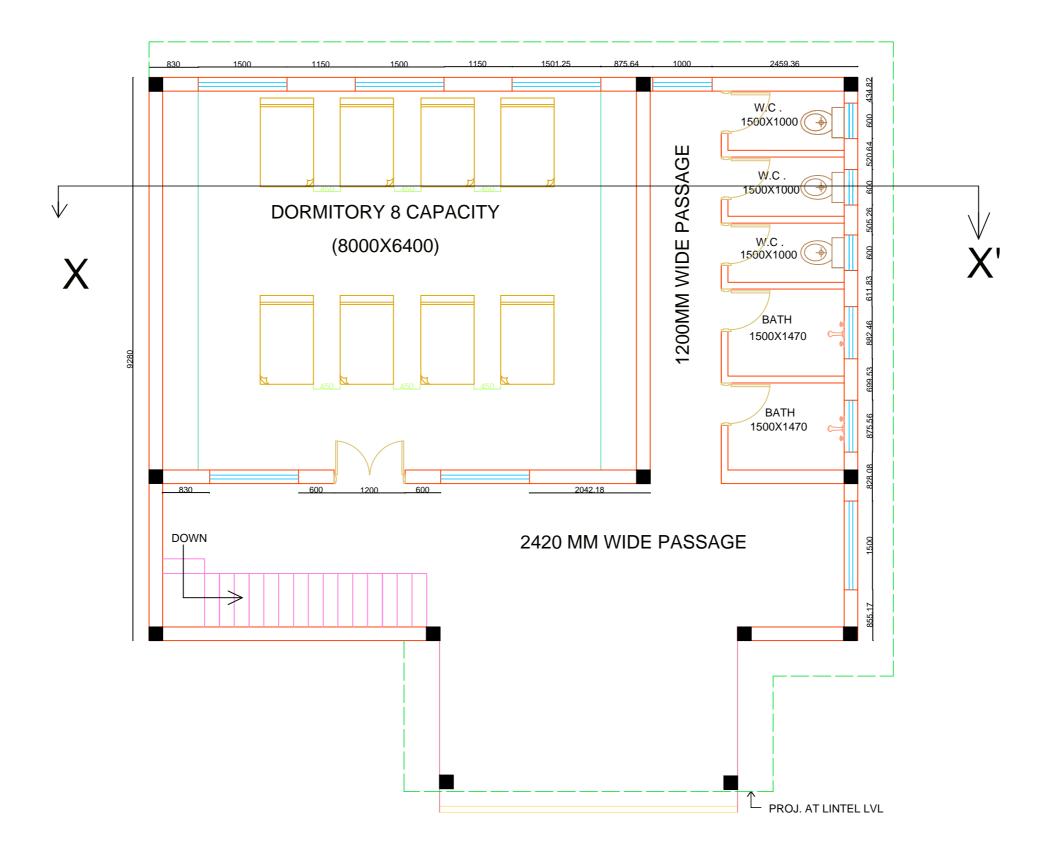


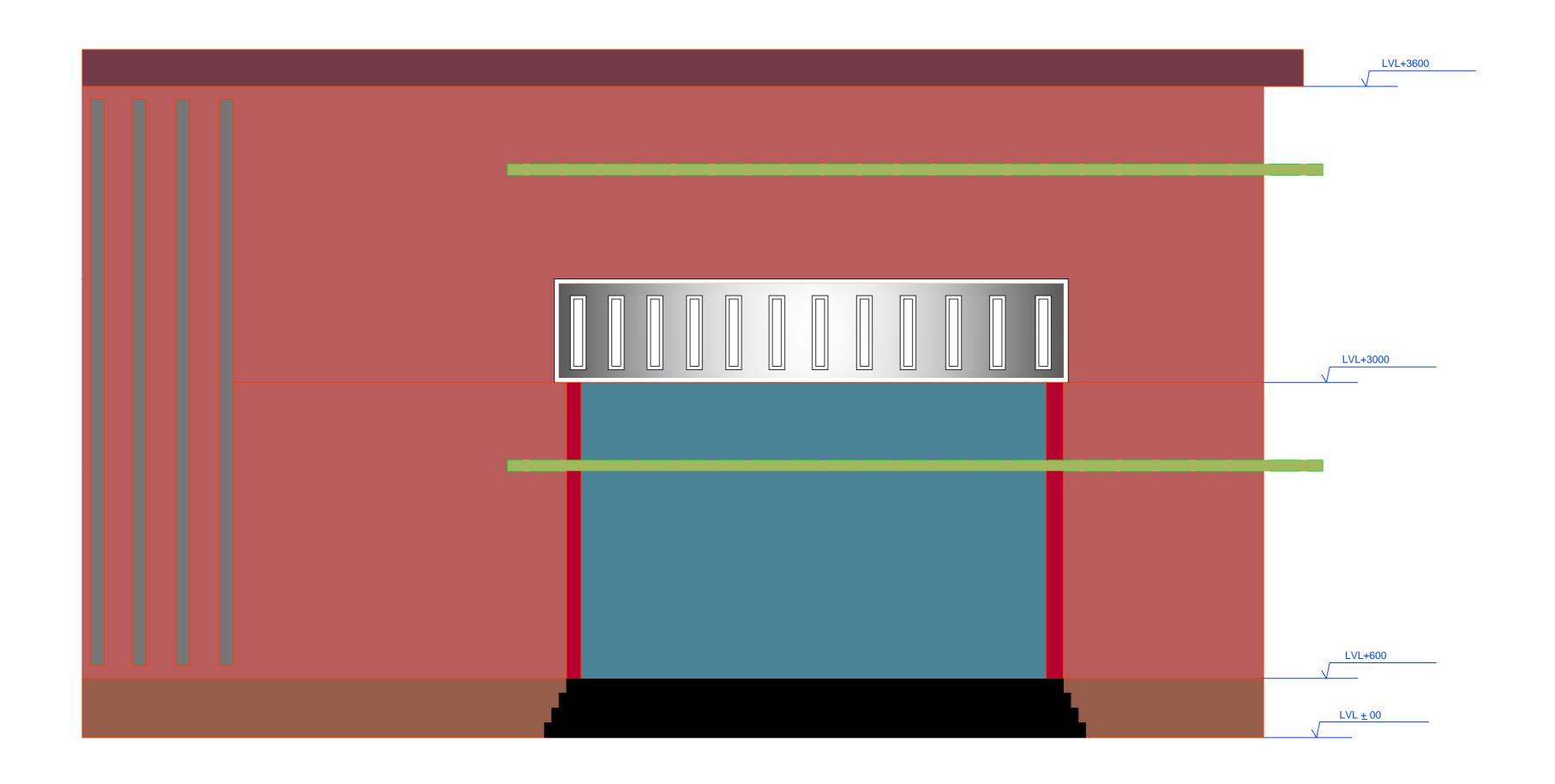
SECTION X-X'

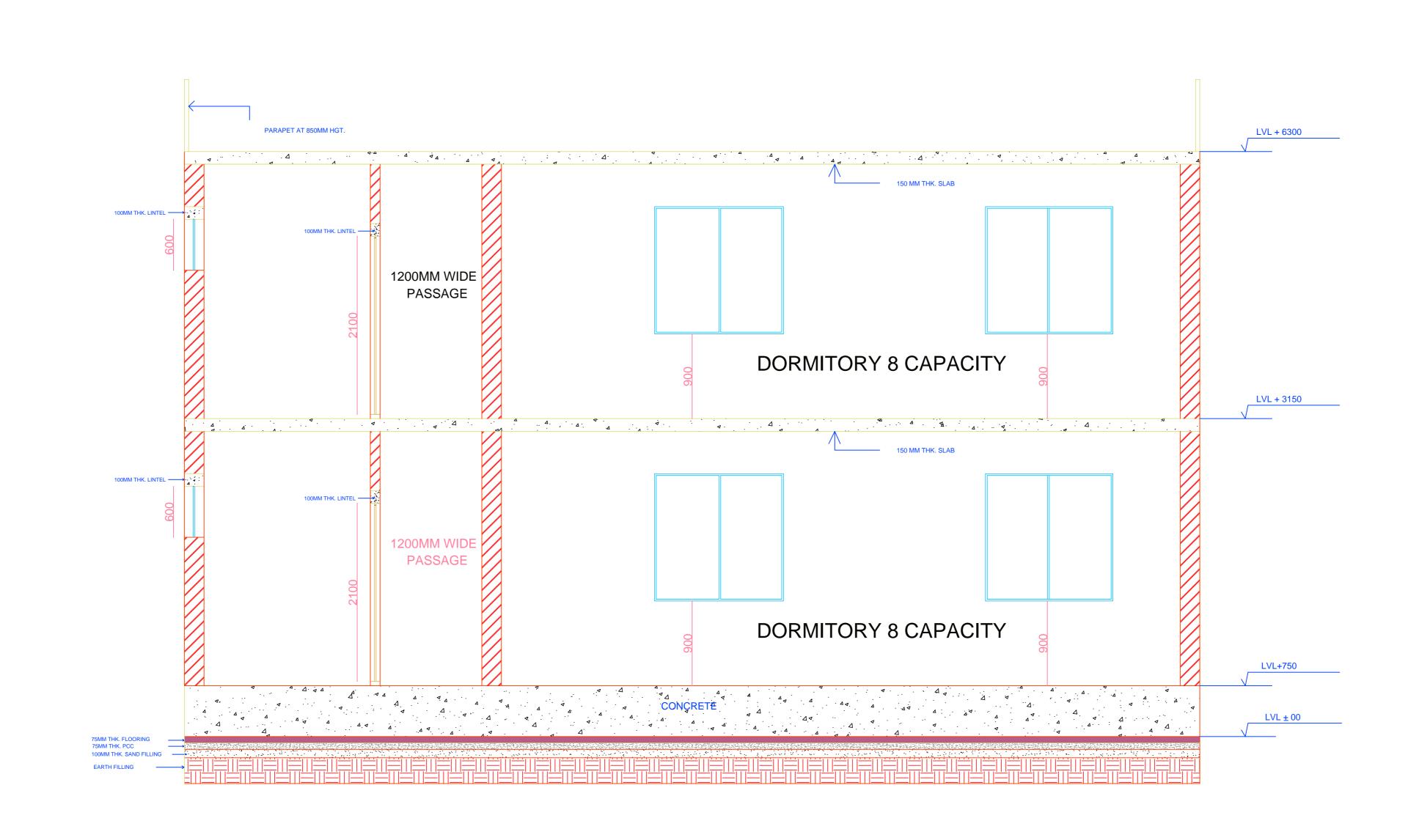


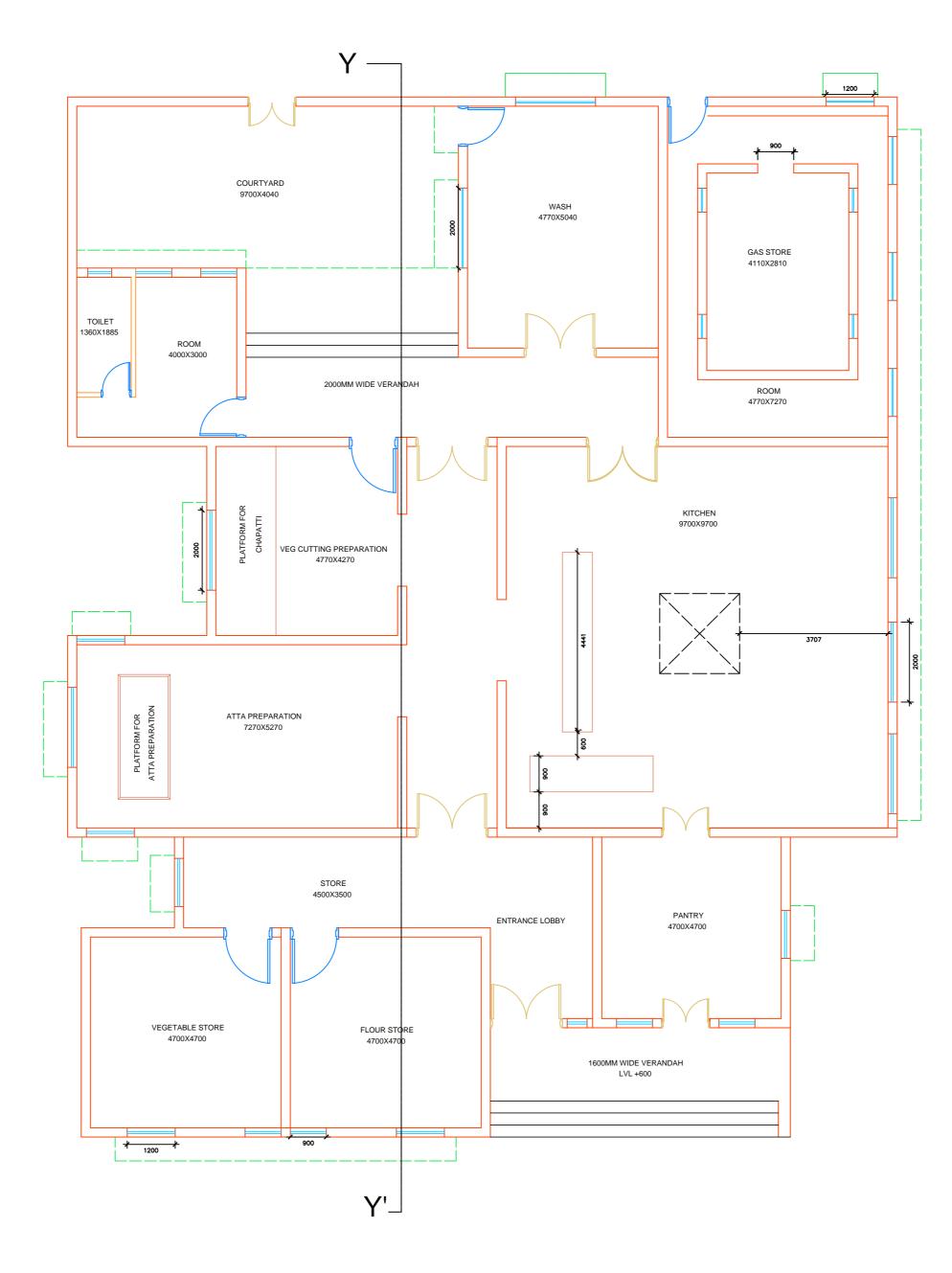
GROUND FLOOR PLAN

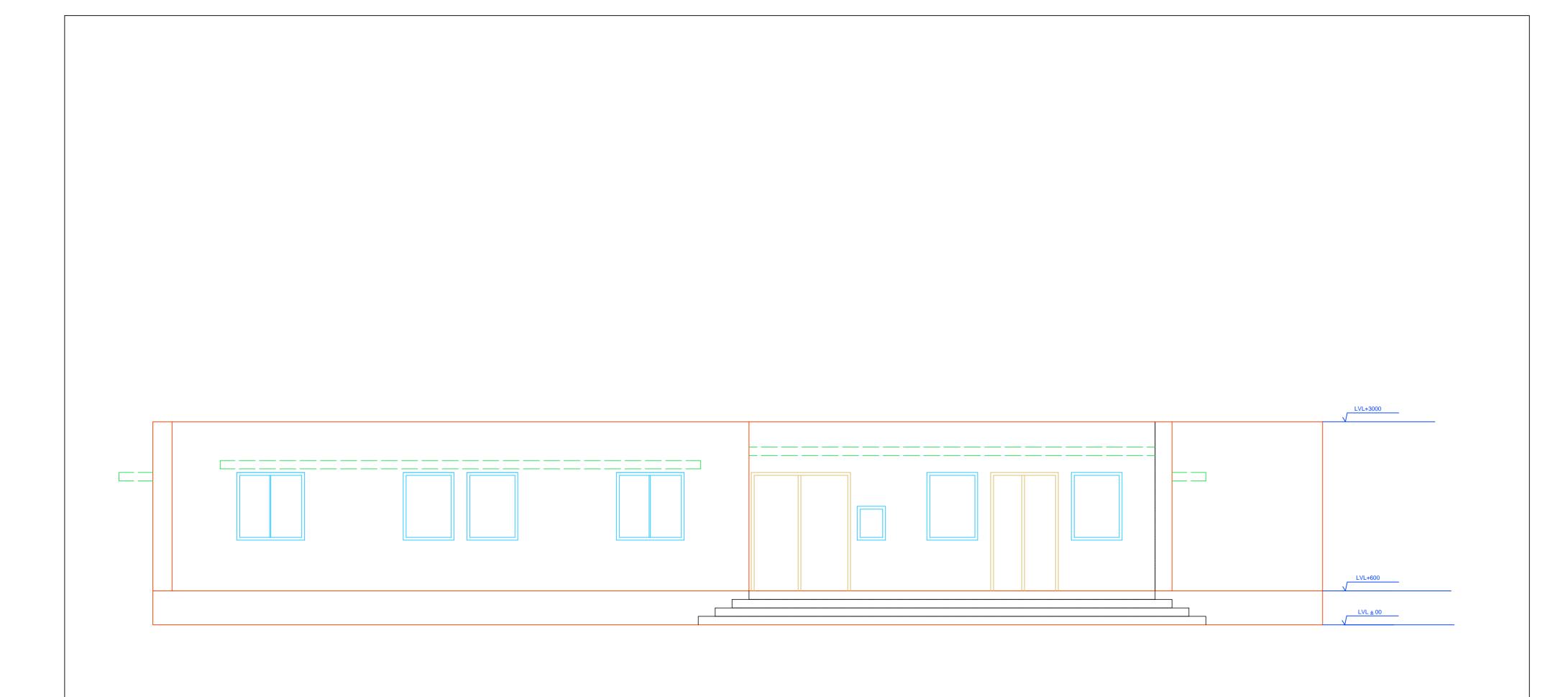
DORMITORY -213.36 SQ.M

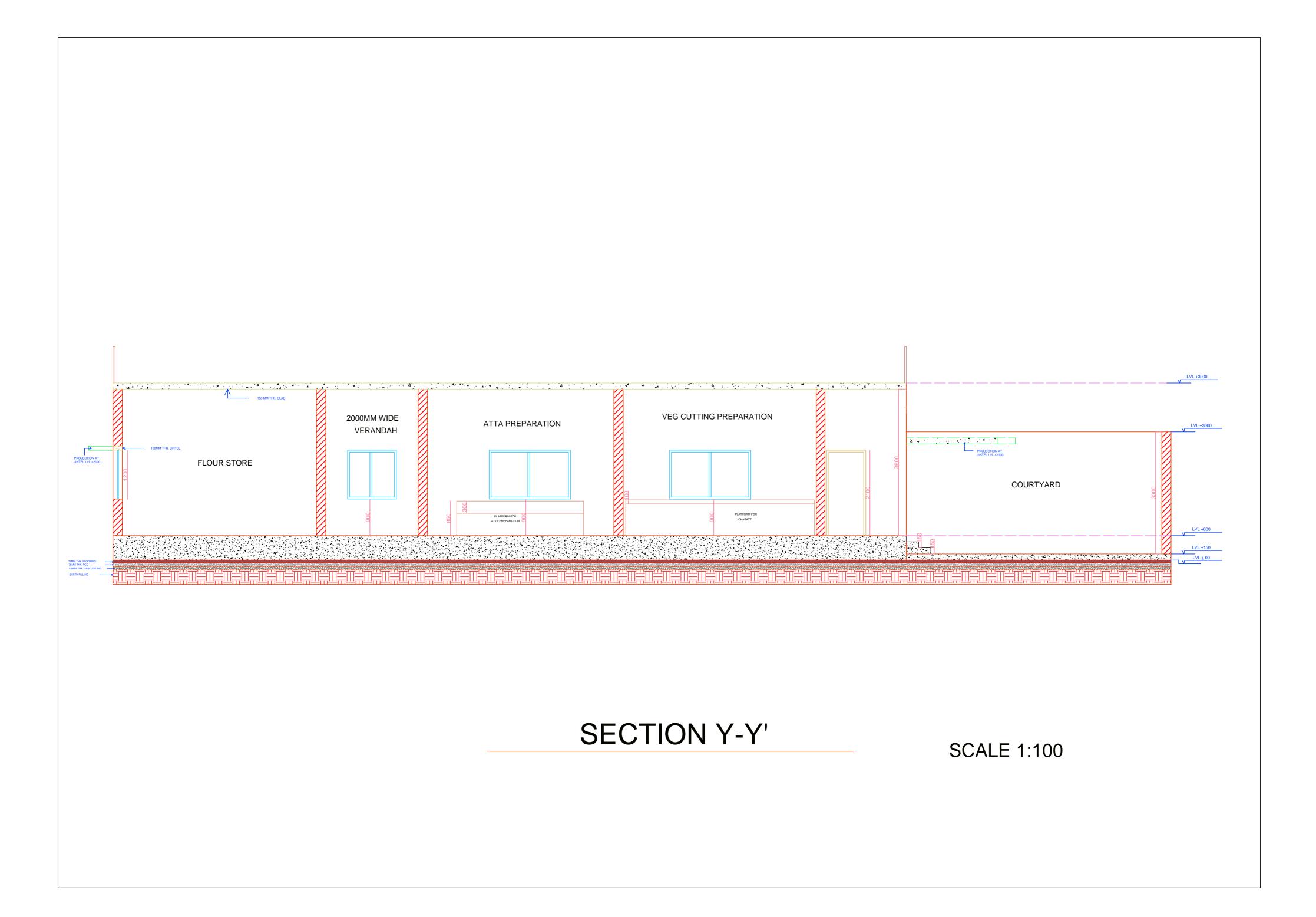




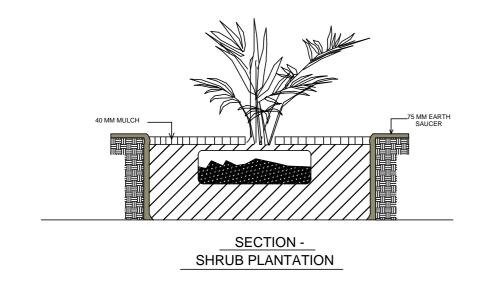


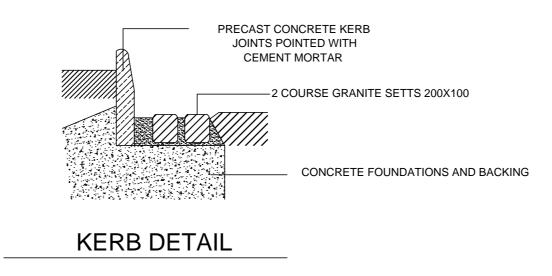


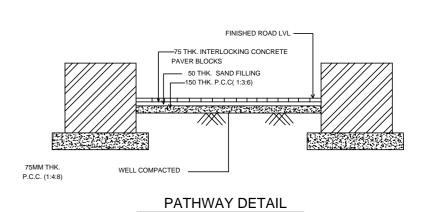




DETAILS:



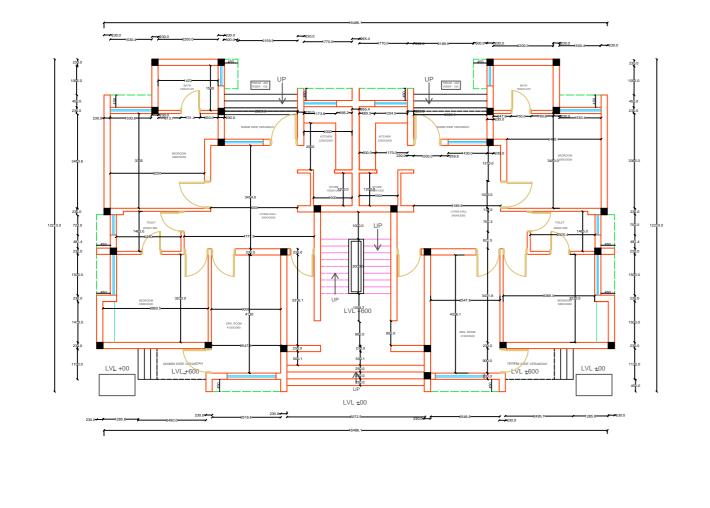


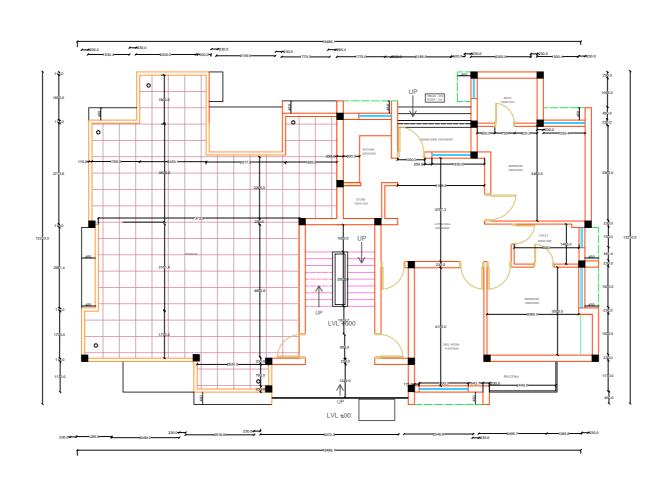


LEGENDS

LARGE TREES	MEDIUM TREES	SMALL TREES	SHRUBS	
Fiscus Religiosa(Peepal Tree) Average Height: 30 MT. Spread: 8 To 10 MT. Planting: 8 M C/C Azadirachta Indica (Neem Tree) Average Height: 20 To 40 M. Spread: 10 To 12MT. Planting: 10 M C/C TERMINALIA ARJUNA (ARJUN TREE) Average Height: 12 To 20 M. Spread: 8 To 10 MT. Planting: 8 M C/C	Delonix Regia Average Height: 8 To 10 MT. Spread: 6 To 8 MT. Planting: 6 M C/C CassiaFistula(Amaltas Tree) Average Height: 8 To 10 MT. Spread: 6 To 8 MT. Planting: 6 M C/C PhyllanthusEmblica (Amla Tree) Average Height: 5To 8 MT. Spread: 5 To 8 MT. Spread: 5 To 8 MT. Planting: 6 M C/C	Ashok Pendula Average Height: 4 To 6 MT. Spread: 3To 6 MT. Planting: 3M C/C Ficus Benjamina Average Height: 4 To 6 MT. Spread: 3 To 6 MT. Planting: 3 M C/C	Jaismine Average Height: 2 To 4 MT. Spread: 2 To 4 MT. Planting: 1.5 M To 2M C/C	

ELECTIVE 1: LANDSCAPE

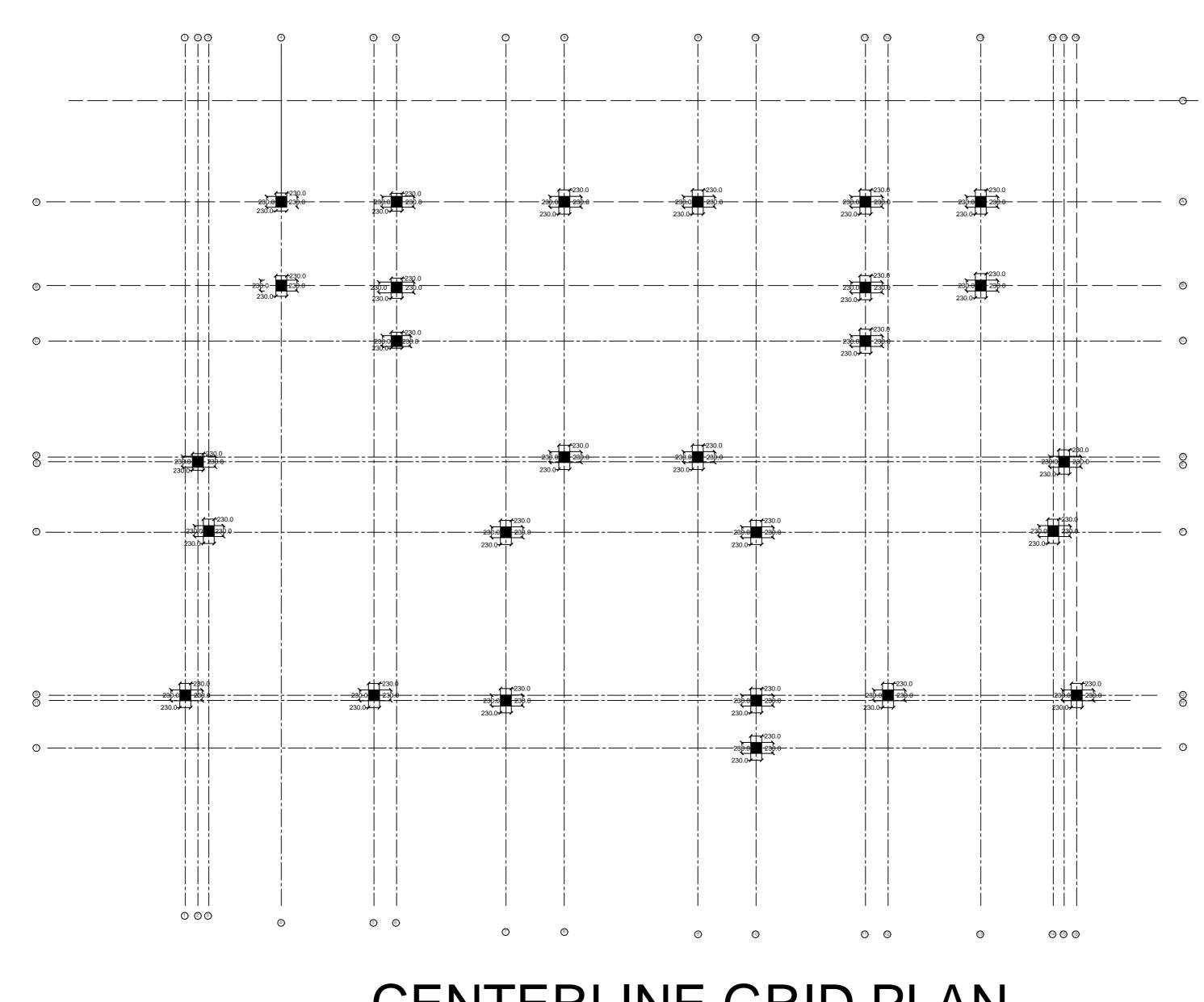




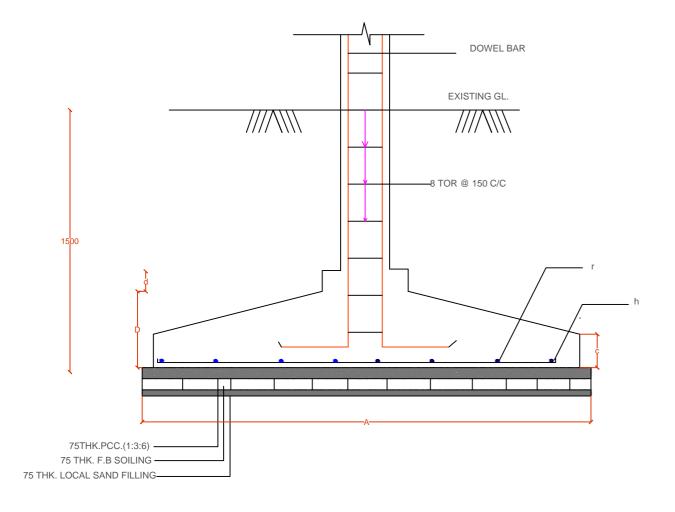
DOOR /WINDOW SCHEDULE							
S.NO.	SCHEDULE	LENGTH (MM)	HEIGHT (MM)	SILL LVL (MM)	LINTEL LVL (MM)		
1	D1	900	2100	-	2100		
2.	D2	1000	2100	-	2100		
3.	D3	750	2100	-	2100		
4.	W1	1800	1800	1000			
5.	D1	1500	1500	1000	-		
6.	D1	1200	1200	1000	-		
7.	V	750	750	1750	-		

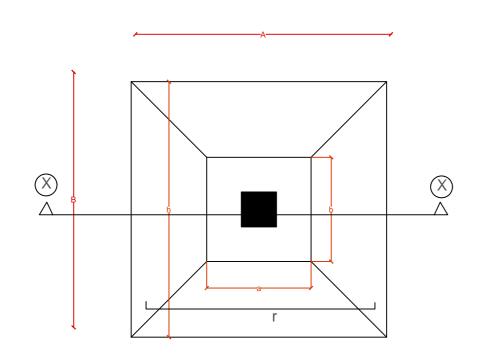
GROUND FLOOR PLAN TERRACE PLAN

WORKING LAYOUT PLAN (TYPE III RESIDENCE BLOCK)

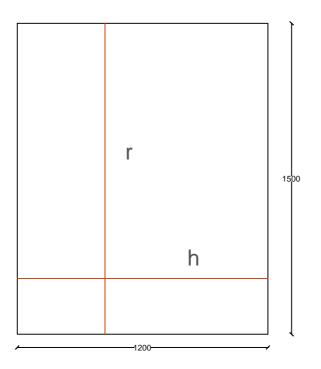


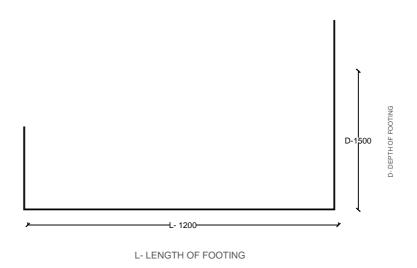
CENTERLINE GRID PLAN



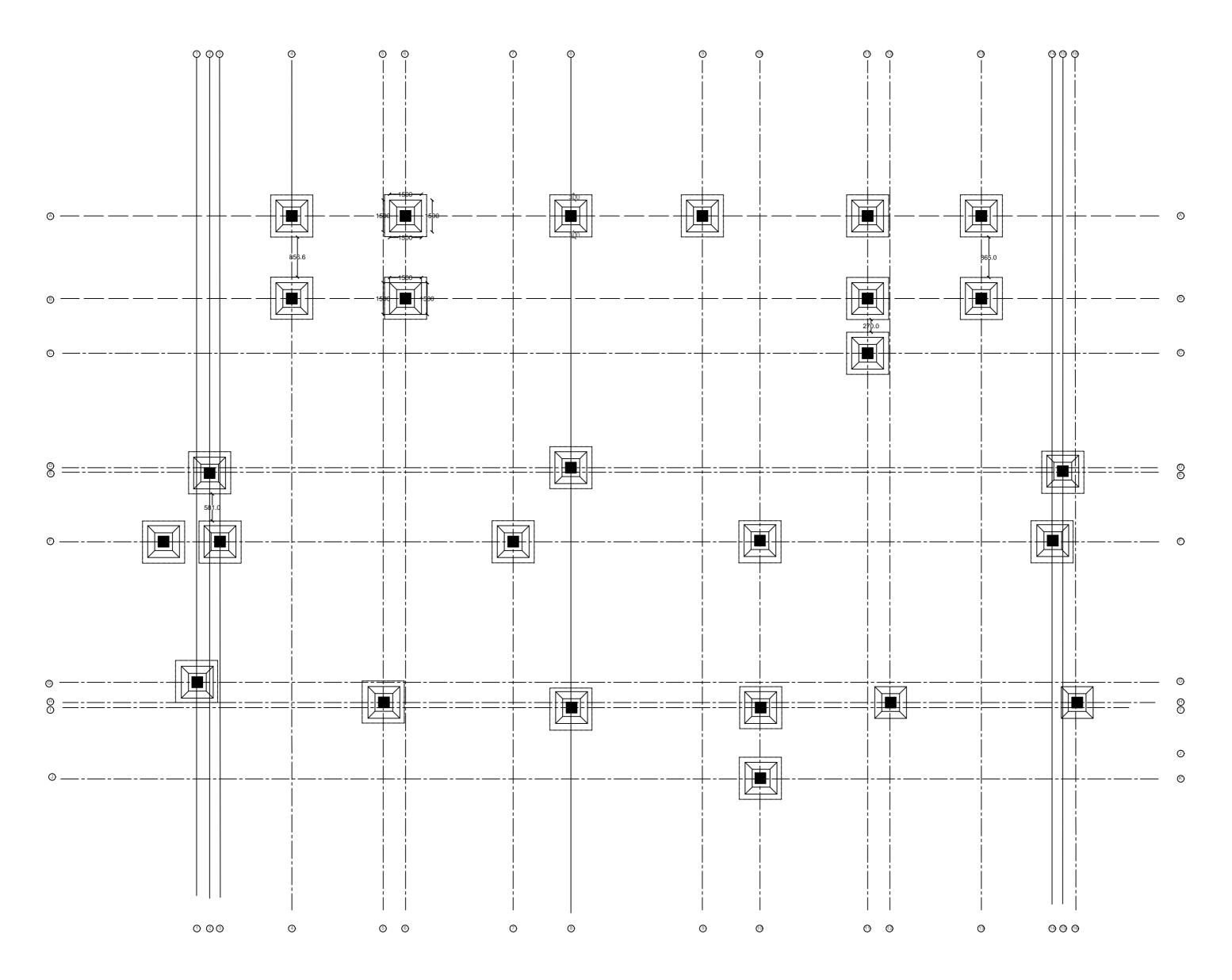








SL.NO.	FOOTING MKD.	DEPTH OF FOOTING	REINFORCEMENT	
		D.(MM)	MAIN STEEL (H) BOTTOM LAYER	DIST.STEEL(r) (TOP LAYER)
01	F1	300	12 # @ 150 C/C	10 # @ 150 C/C



TRENCH PLAN

TRENCH LINE DISTANCE -300MM