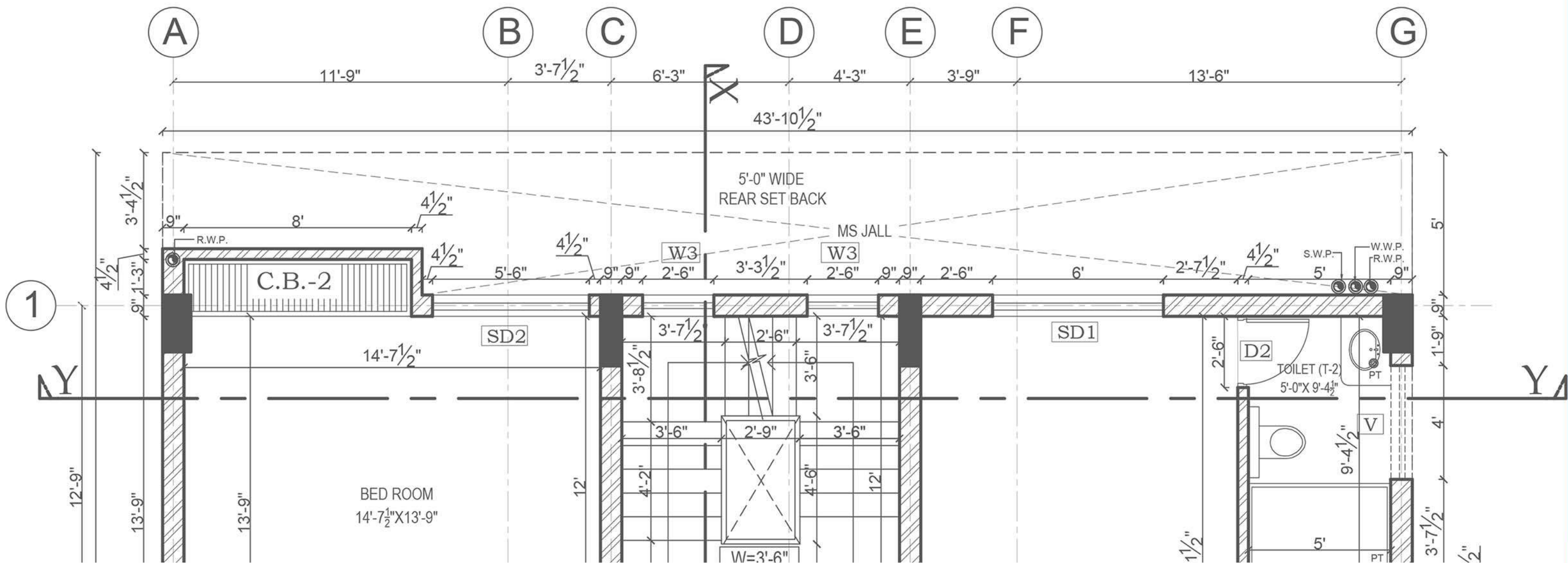
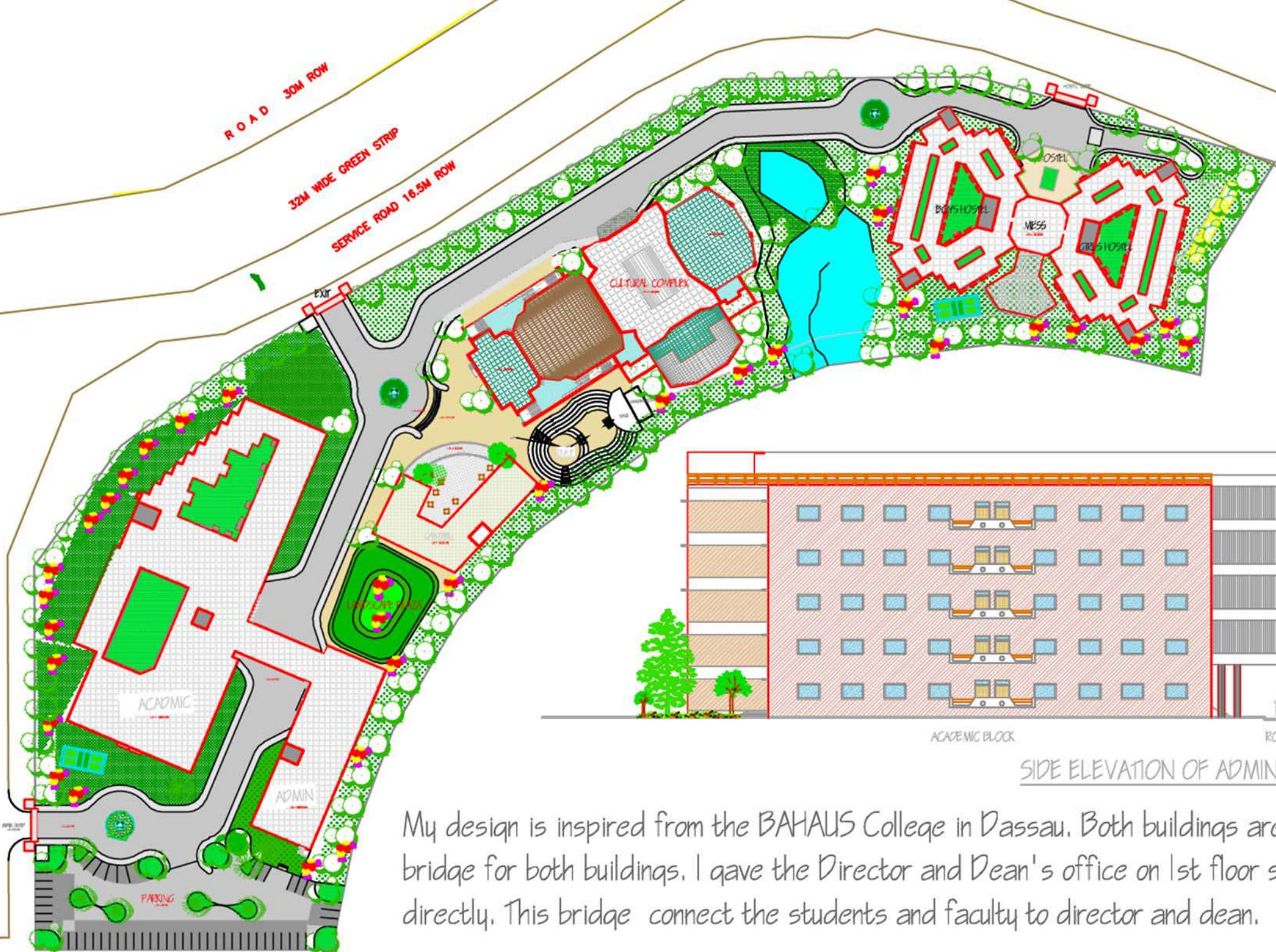


# Architecture PORTFOLIO



ESHAN VAISHY  
eshanvaishy.in  
eshanvaishya@gmail.com





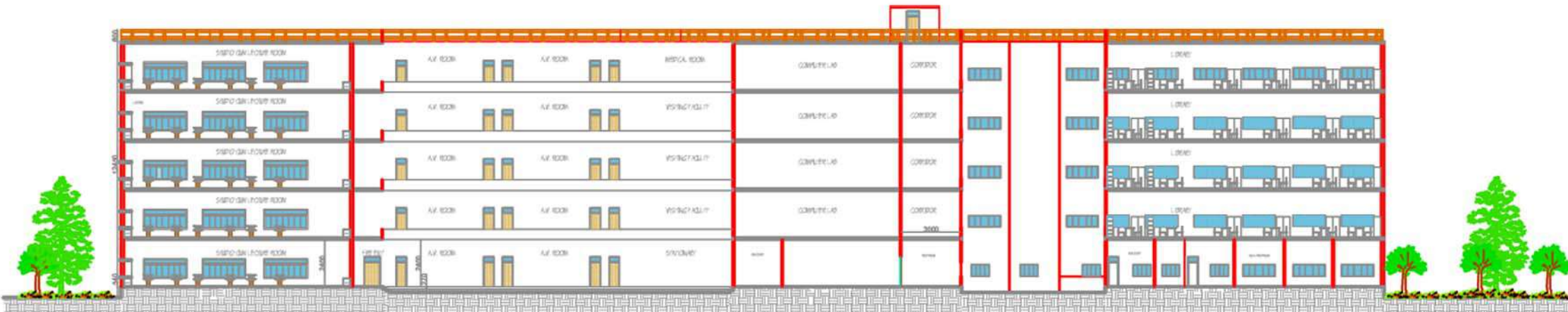
- SITE AREA = 41060 SQ. M
- MAX. GROUND COVERAGE = 30%
- ARCHIVED GROUND COVERAGE = 29.54%
- BUILT UP AREA = 50742.1 SQ. M
- MAXIMUM FLOOR AREA RATIO (F.A.R.) = 1.50
- ARCHIVED FLOOR AREA RATIO (F.A.R.) = 1.23
- PARKING = 2244 SQ. M



SIDE ELEVATION OF ADMIN AND ACADMIC BLOCK

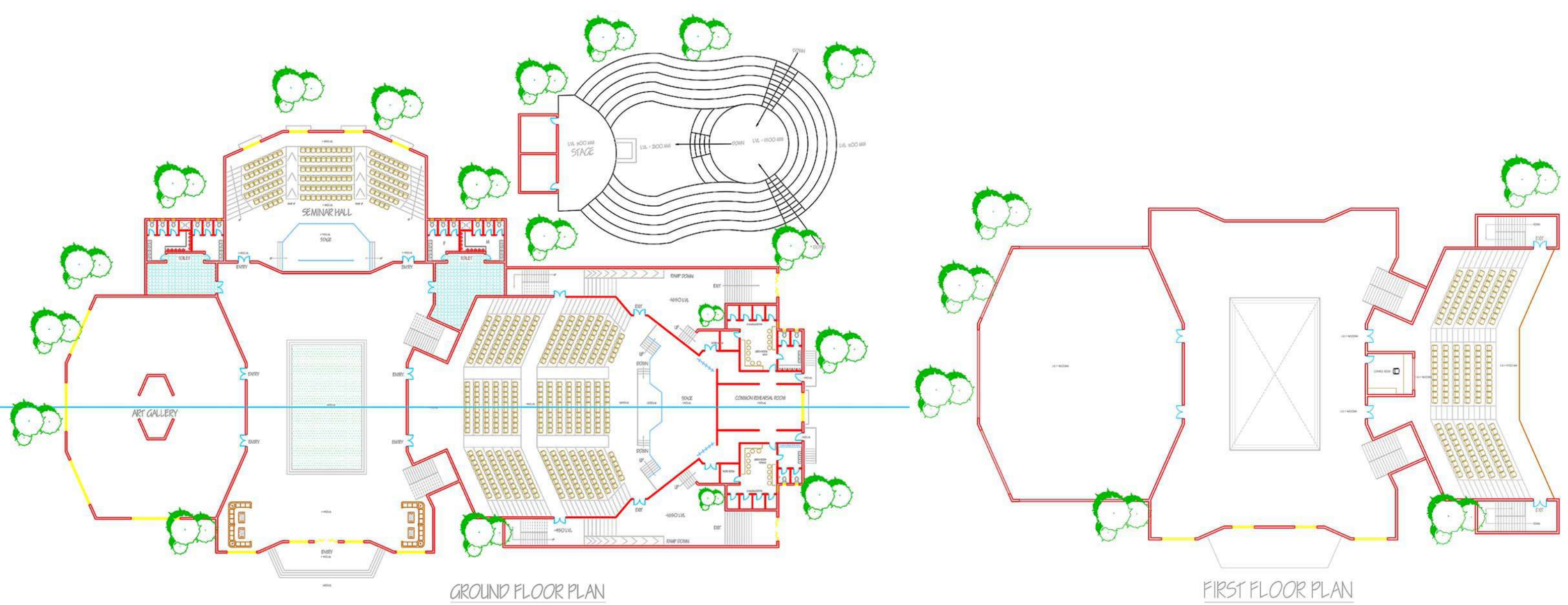
My design is inspired from the BAHUIS College in Dessau. Both buildings are connected through portico. That is also worked as bridge for both buildings. I gave the Director and Dean's office on 1st floor so that they can connected through academic block directly. This bridge connect the students and faculty to director and dean.

In Admin building first two floors are of administrative and upper three floors of post graduation courses. This college is designed for 600 students of Graduation and 120 of Post Graduation and all the facilities are provided under the norms of COA and AICTE .



SECTION OF ACADEMIC BLOCK



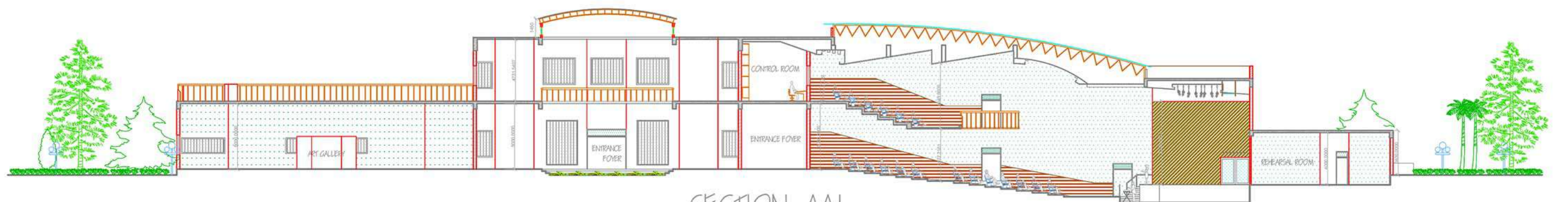


GROUND FLOOR PLAN

FIRST FLOOR PLAN



FRONT ELEVATION

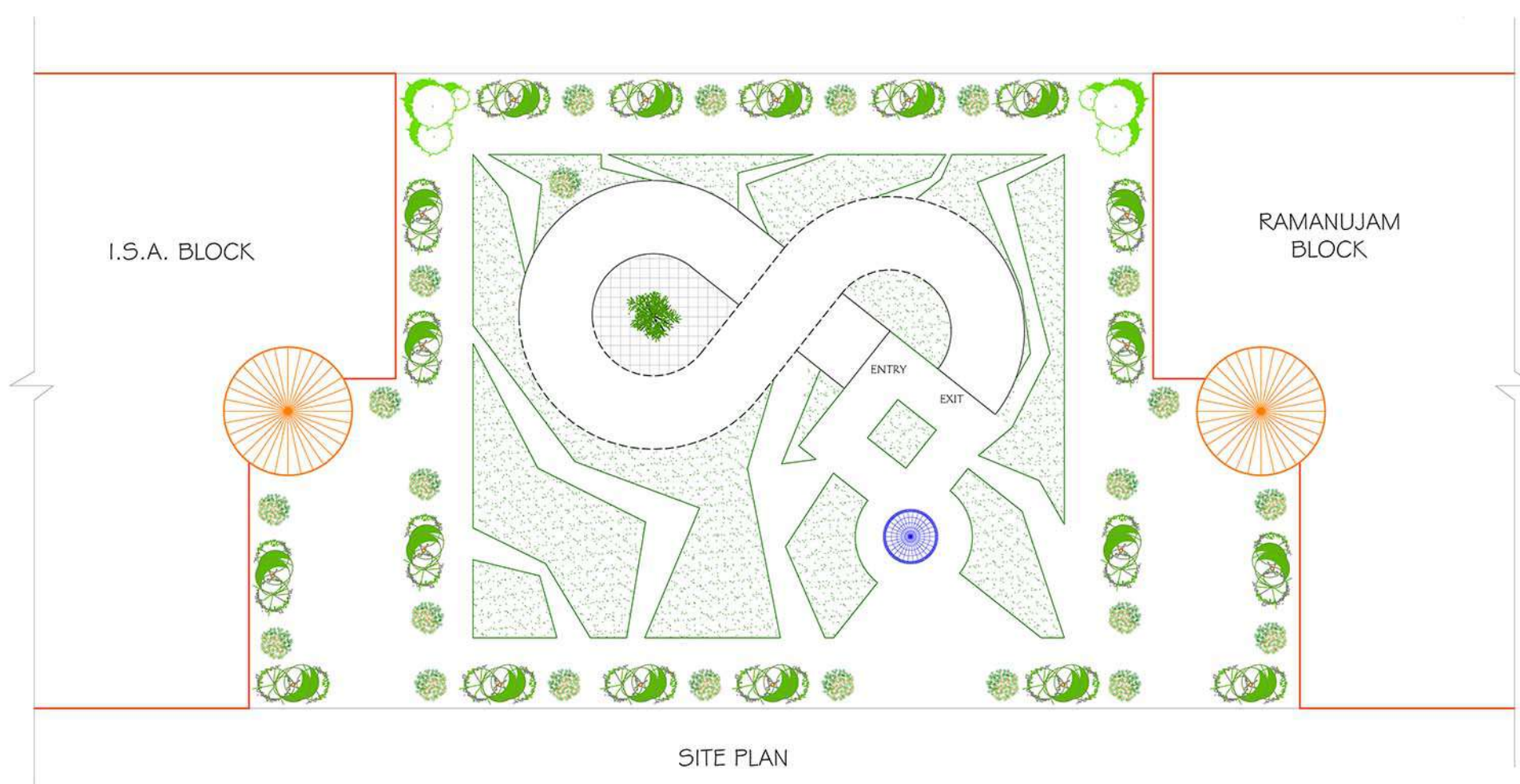


SECTION AA'

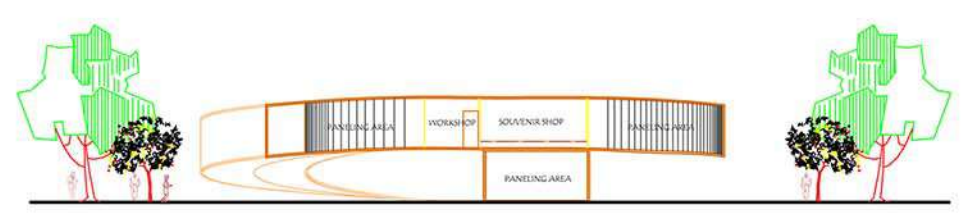
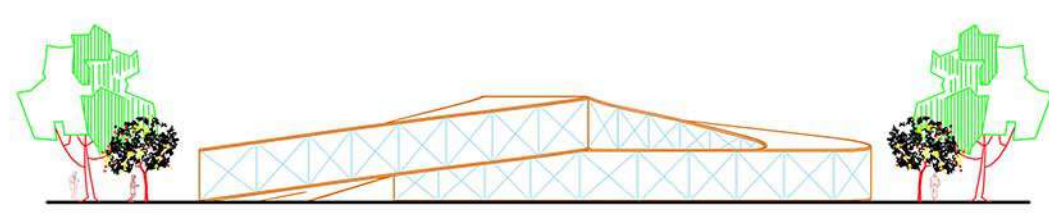
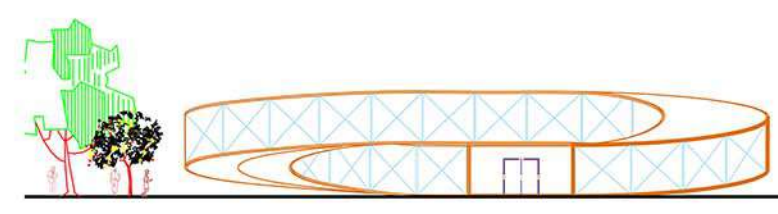
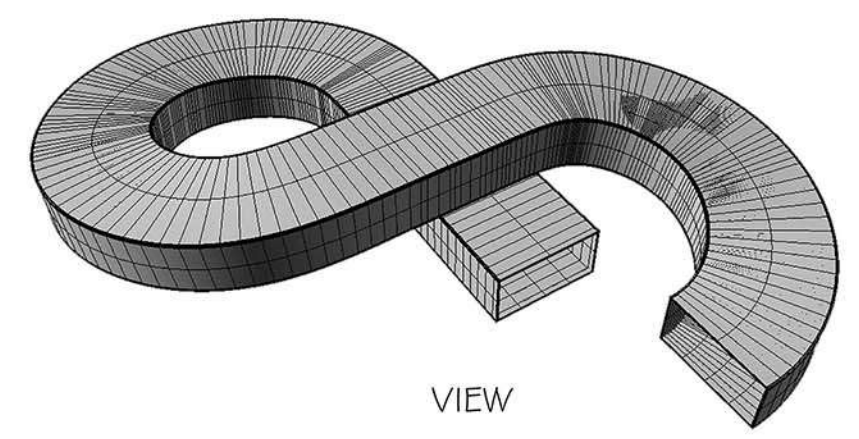
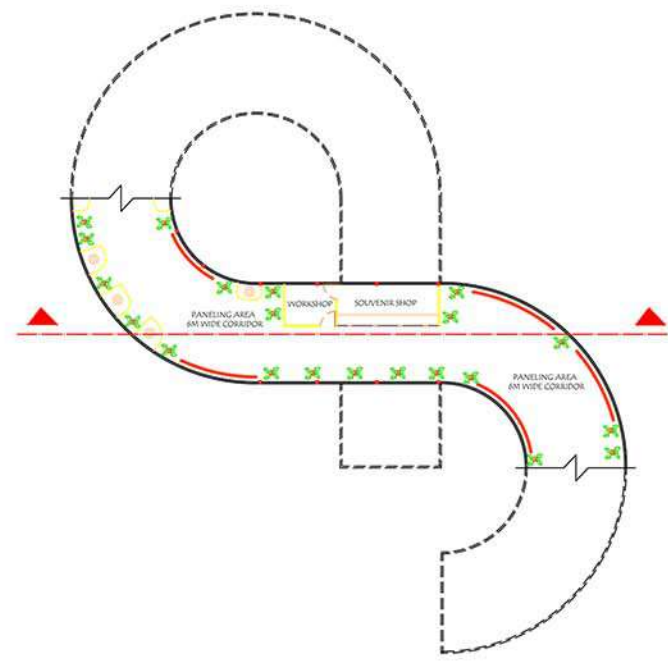
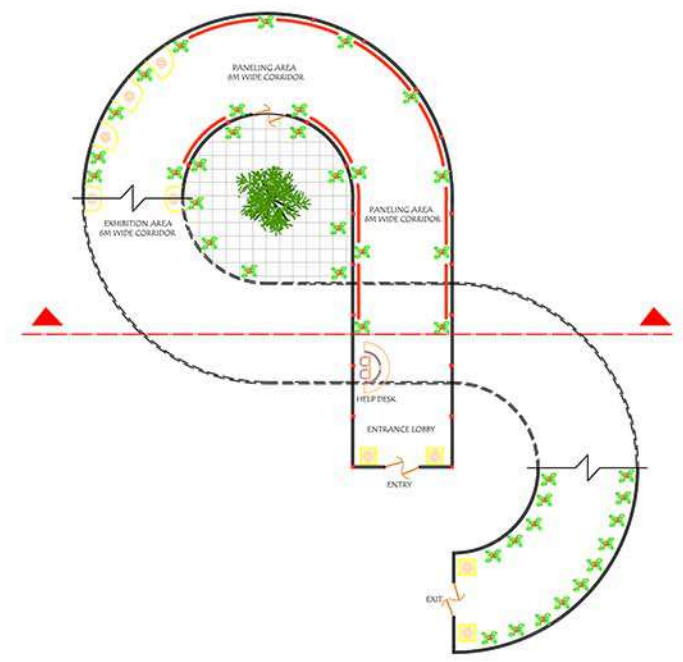
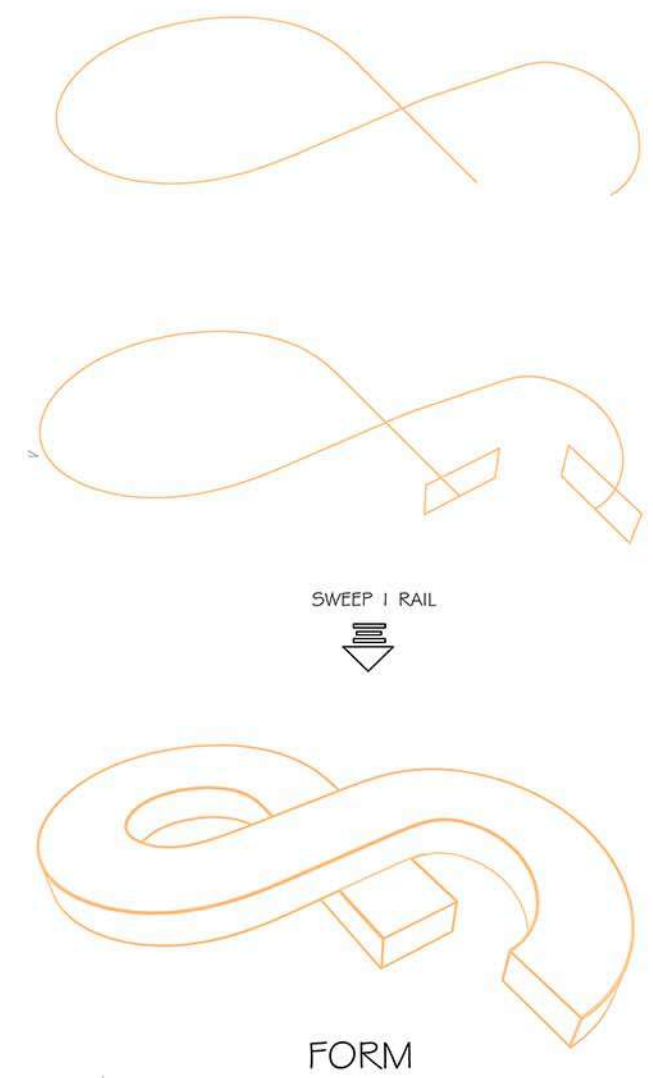








FORM DEVELOPMENT



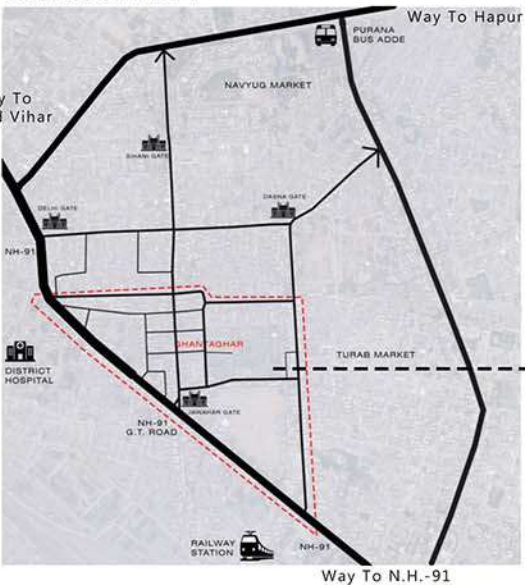


Urban morphology is the study of the form of human settlements and the process of their formation and transformation. The study seeks to understand the spatial structure and character of a metropolitan area, city, town or village by examining the patterns of its component parts and the process of its development

**GHANTAGHAR TIMELINE**

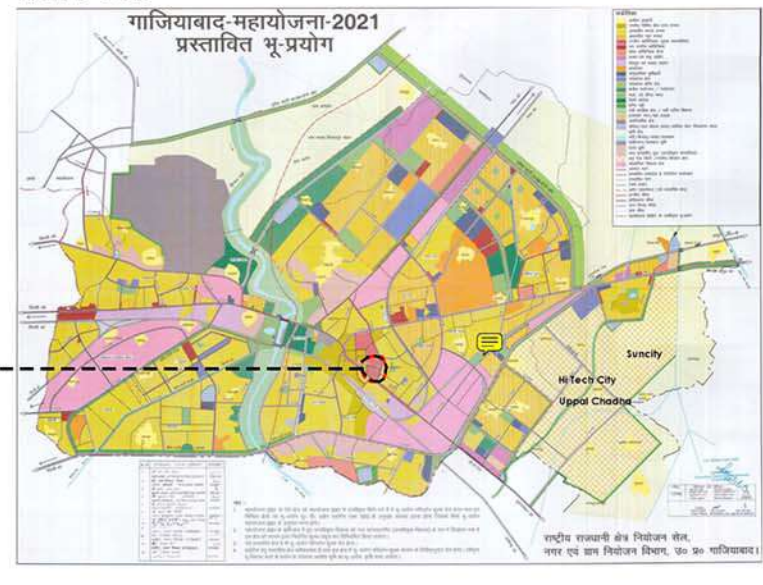


**CONNECTIVITY**



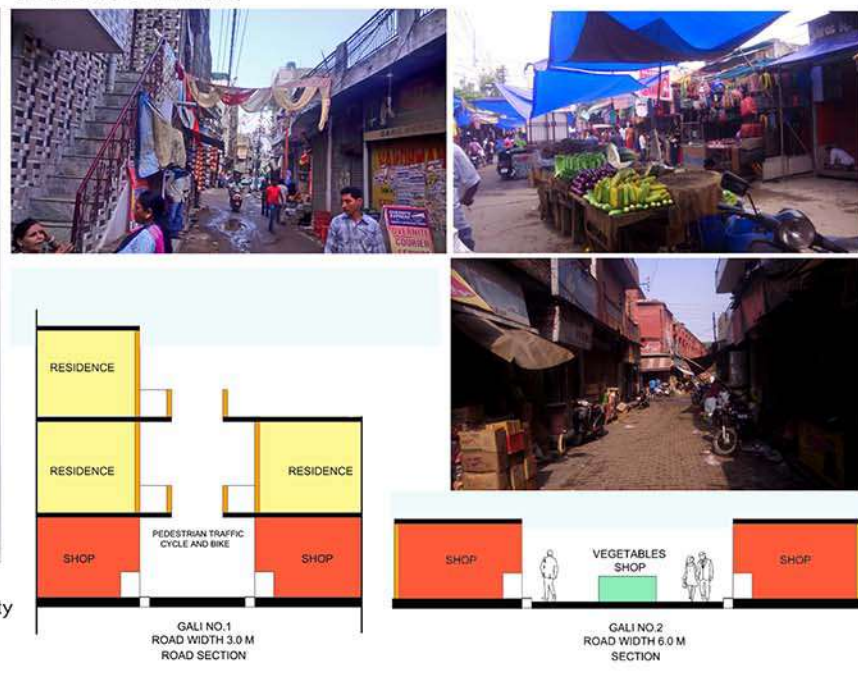
Ghantaghar is at G.T. Road which connects it to Delhi

**LAND USE**

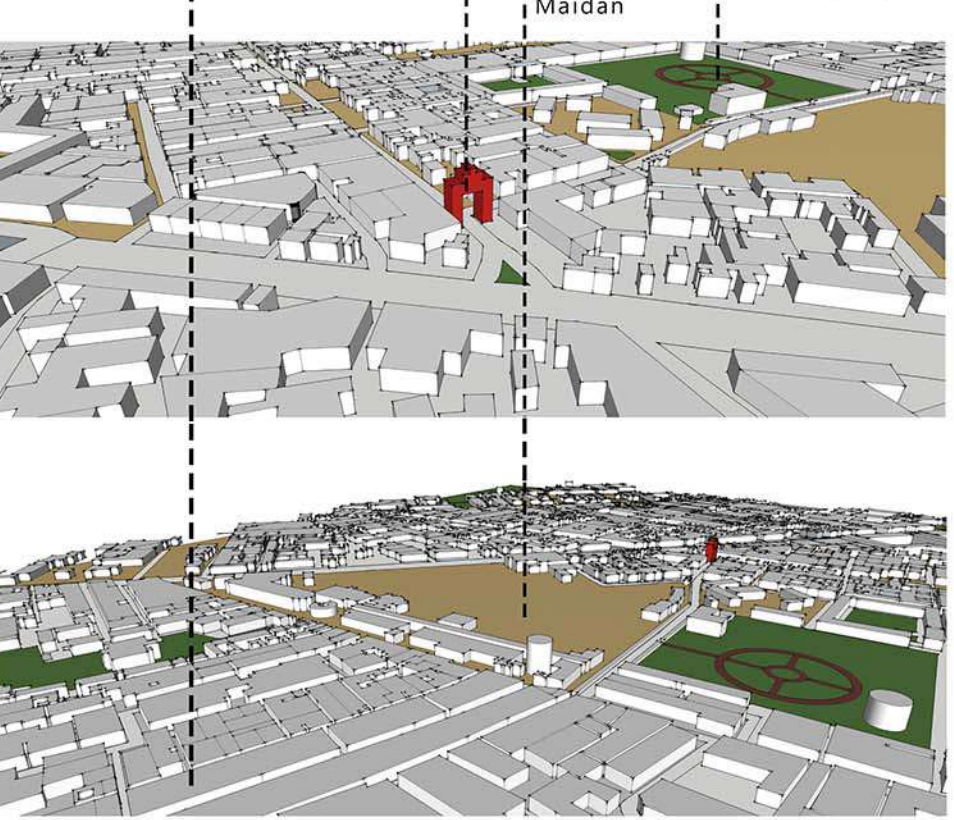


Ghaziabad is Industrial city. Ghantaghar is main market area of the city. this is the place where industrial growth started of the city

**BUILDING TYPES**



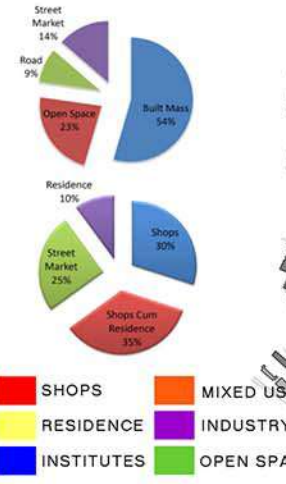
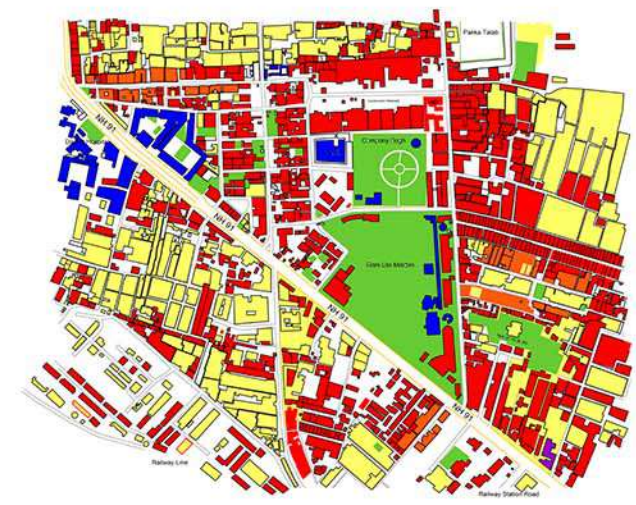
**Turab Market Jawahar Gate Ram Lila Maidan Company Bagh**



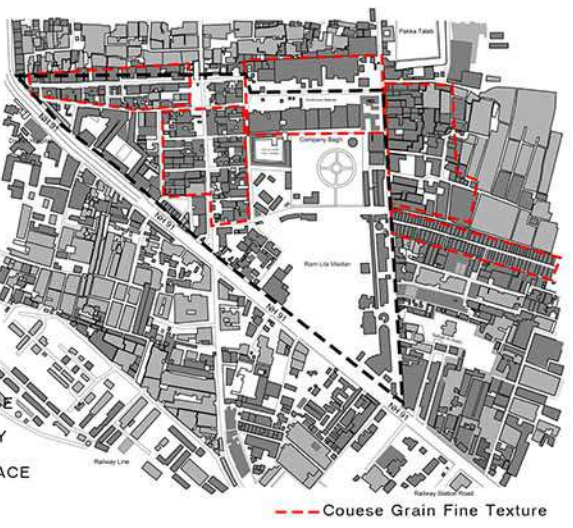
**BUILT AND OPEN SPACES**



**BUILT USE**



**GRAINS AND TEXTURE**



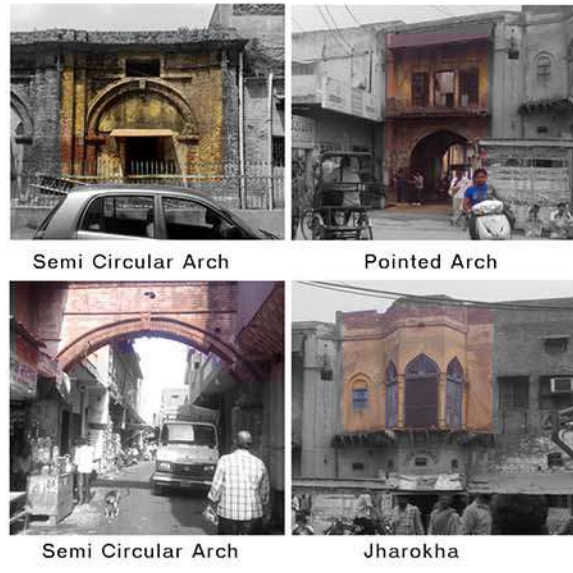
**IMAGE OF GHANTAGHAR**



**MARKERS**



**ARCHITECTURAL EXPRESSION**





# WONDERLA PARK, BANGLORE

Wonderla is a synonym to fun and masti since 2005 in Bangalore. Here is where the fun begins for the entire family! Wonderla Bangalore with its 61 thrill packed rides is sure to delight all age groups. It is spread over an area of 82 acres (33 ha).

The park features a wide variety of attractions including some rides, water rides, a musical fountain and laser show, a virtual reality show. **Wonder la has 63 land and water based rides. 11high thrill rides ,14 kids rides, 19 water rides , 17 land rides and 2 high thrill water rides.**



WONDERLA AMUSEMENT PARK, BANGLORE (source:wonderla.com)



WONDER LA PARK, TRAIN RIDE (source:wonderla.com)

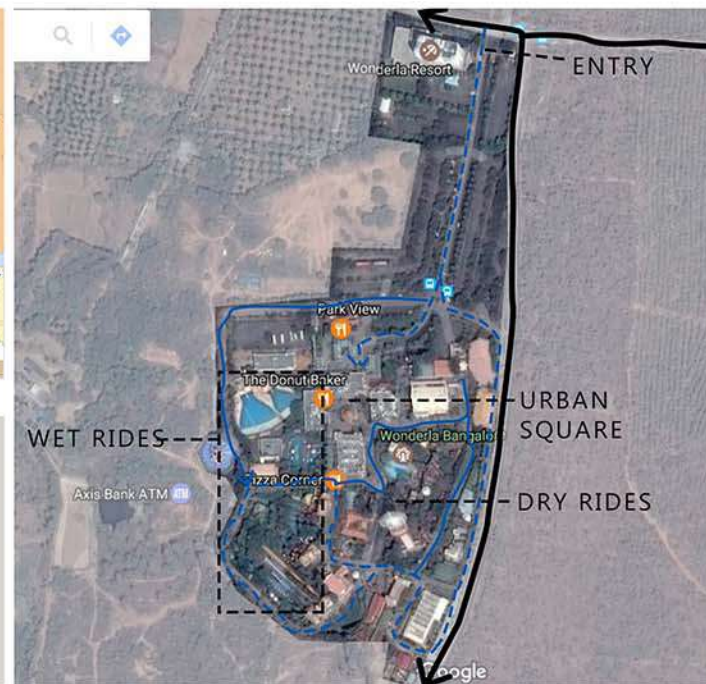
## LOCATION



INDIA, BANGLORE

Wonderla amusement park is located near Timmappana palya, 28km from Mysore road, Bangalore.

Wonderla Amusement park is surrounded by agriculture land.



MICRO LEVEL WONDERLA AMUSEMENT PARK, BANGLORE (Self Illustrated)

## ACCESSIBILITY

- # Bangalore Railway Station 27 km (45mins)
- # Bangalore palace 32 km (55mins)
- # Bangalore palace 32 km (49mins)
- # Tulip Resort, Bangalore 30 km (35mins)
- # Hejjala Railway Station 4.2 km (10mins)



MACRO LEVEL MAP OF WONDERLA PARK (Self Illustrated)



# PARK VIEW



WONDER LA PARK, VIEW & FACILITIES, RIDES (source:wonderla.com)



NIGHT VIEW OF PARK TWISTER BANDED KRAITES PIRATE SHIP

## FOOTFALL

Daily average footfalls at existing parks is 3,300 whereas the capacity is to entertain 12,000 guests daily. Management expects 7 lac footfalls in first year at an average realization of rs 900.



Plan your visit: People typically spend 45 min to 2.5 hr here

## FACILITIES & MAINTENANCE

Wonderla has a team of over 260 technicians who conduct daily, weekly and shutdown maintenance work using various tools like checklists. In order to reduce carbon foot print by conserving conventional energy resources, wonderla uses solar energy to heat water for all water based rides during winter.

Wonderla is one of the only 2 amusement parks in india to implement such safety standards.



It has conference facilities for up to 1,000 persons, and features five restaurants with a total seating capacity of 1,150. It has locker rooms with over 2,350 lockers and restrooms and showers.

Wonderla, Bangalore has been ranked 1st in India and 7th best in Asia by Tripadvisor for 2014, the highest for any Amusement park in India.

# KHAN SHATYR ENTERTAINMENT CENTER

Khan Shatyr is a giant transparent tent in Astana, the capital city of Kazakhstan. Built in a distinctively Neofuturist style, the architectural project was unveiled by the President of Kazakhstan Nursultan Nazarbayev on December 9, 2006.

The 150m-high (500 ft) tent has a 200m elliptical base covering 140,000 square metres (14 ha; 35 acres).



KHAN SHATYR ENTERTAINMENT CENTRE

- # Architect: Foster + Partners
- # Engineer: Buro Happold
- # Project Started: 2006
- # Project Completed: 2010
- # Site Area: 200,000m<sup>2</sup> (50 Acres)
- # Retail Area: 40,000m<sup>2</sup> (160 luxury shops)
- # Total Area: 123,000m<sup>2</sup> (30 Acres)
- # Length: 200 m
- # Width: 195 m
- # Height: Top of mast :150m
- # Climate Aspect: Its remote steppe location to the north of the country experiences temperature below freezing for half the year with extremes ranging from - 40°C to +40°C.

## LOCATION & SURROUNDINGS



## SITE PLAN



KHAN SHATYR ENTERTAINMENT CENTRE

KHAN SHATYR ENTERTAINMENT CENTRE

## FEAUTRES & FACILITIES

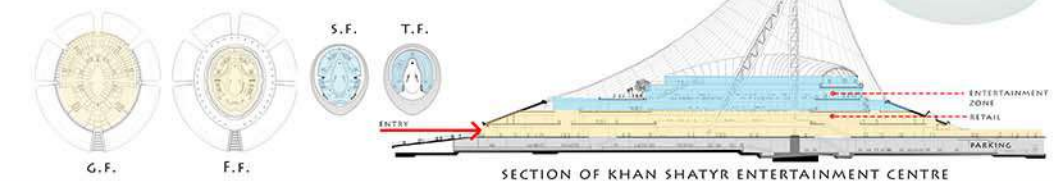
Entertainment Center represents a major new civic, cultural and social venue for the people of Astana, bringing together a wide range of activities within a sheltered climatic envelope that provides a comfortable environment all year round.



## STRUCTURE

Structure: 20m high sloped concrete base with 4.2m long elliptical shape integrated roof lights

Cladding: Approximately 19,000m<sup>2</sup> of ETFE cladding enclosure, Cushions are made of 3 layers of ETFE: Each



SECTION OF KHAN SHATYR ENTERTAINMENT CENTRE



# ENTERTAINMENT CITY, NOIDA, INDIA

It is thought of as Disney Land of India - the Entertainment City in Noida. Unveiled by former cricket captain and entrepreneur Kapil Dev, it spreads over a whopping **147 acre land** with an investment of Rs 10 billion.

Built over an area of **100 acres of land**, the park has more than **30 rides**. The Entertainment City Park has three entertainment zones, one for kids, one for teenagers and one for families each with its own separate rides, attractions and food courts. In addition to this it also has a Shopping complex known as the Great India Place.



GREAT INDIA PLACE, (SHOPPING MALL) (SELF)



WORLDS OF WONDER, (ENTERTAINMENT AREA) (SELF)

## LOCATION

The Great India Place was developed by the **Appugar Group the Unitech Group** & is maintained by Entertainment City Ltd. It is located in **Sector 38-A, Noida**, adjacent to Noida sec-18 metro station. The mall is itself part of the larger Entertainment City amusement park Worlds of Wonder.



INDIA-UTTAR PRADESH-NOIDA



GIP, WOW, (NOIDA) (SELF ILLUSTRATED)

## SURROUNDINGS & ACCESSIBILITY

1km (5 mins) from Metro Station sector 18  
 4kms (7 mins) from Film City Noida  
 15kms (25 mins) from I.T.O.  
 15kms (18 mins) from South Ex  
 1km (5 mins) from Atta Market  
 0km (2 mins) from Petrol Pump  
 18kms (28 mins) from Cannught place



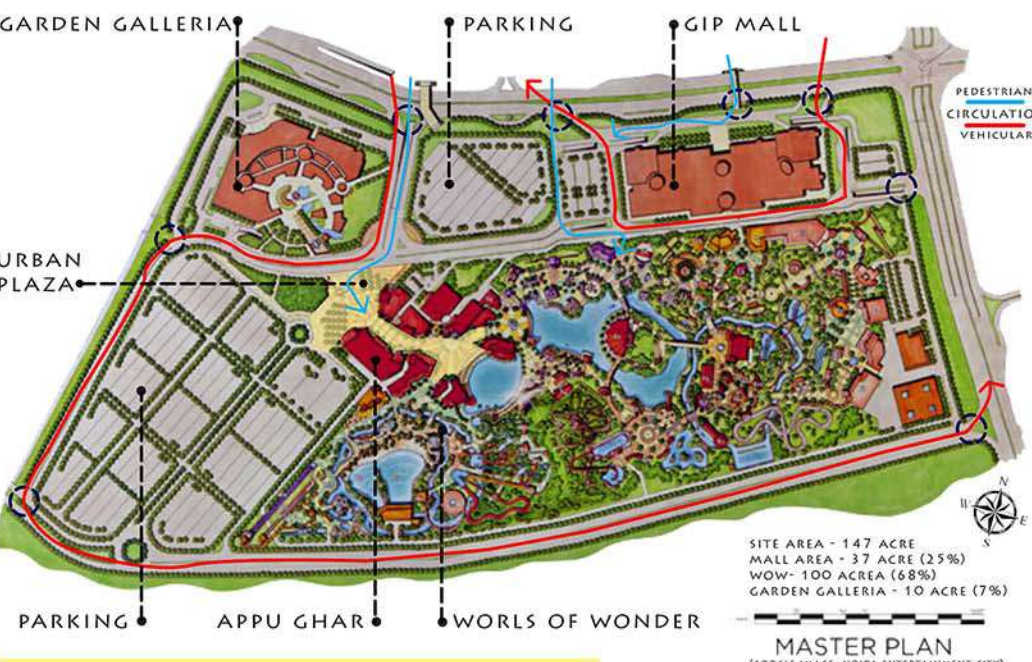
CONNECTIVITY MAP (SELF ILLUSTRATED)

Surrounded by NOIDA EXPRESSWAY include Offices, Colleges, and other Commercial Towers.  
 Roads on three side, other one side main road and on its fourth side Club House located.  
 Front Side - Office Building  
 Rear Side - Amusement Park



OFFICE BUILDINGS FRONT OF GIP MALL (SELF)

# MASTER PLAN



## GREAT INDIA PLACE, NOIDA

The Great India Place is a Shopping Mall in Noida, India. With an **area of 1,500,000 square foot (139,400 Sq.M.)** it is one of the largest operational malls in India. The interior theme is "Shoppertainment", which integrates shopping and entertainment in the same premises. Located in the heart of the city, with socio-economic catchment of professionals, students, and business class people. Surrounded by offices, colleges & other commercial towers.

DEVELOPERS : UNITECH GROUP  
 ARCHITECT : Designed by Callison

### FEATURES

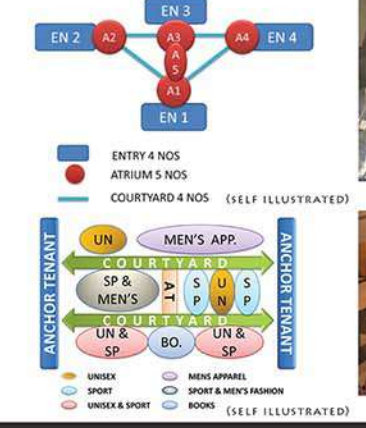
- More than 240 stores
- 6 screen multiplex (1200 seatings).
- Multi Cuisine food court
- Plethora of fine dining restaurants
- Fast food & Cafes.
- Water cum Amusement Park

### AMENITIES & FACILITIES

- Multi-level Car parking facility.
- Statutory green belt and service road around the complex between building and 200 feet wide roads.
- Round the clock water supply.
- Professional property management.
- standby generators.
- fire protection system.
- central air-conditioning system
- separate passenger and service lifts.

### PLANNING CONCEPT

Ground floor has its four Entries, two main Entries through big revolving doors having dia 2M and other two through fully Glazed Door. All four Entries connected to separate Atrium. Courtyard has good seating arrangement without creating problems however some shops are in courtyard reduce the big space.



FALSE CEILING (SELF)



BASEMENT ENTRY FROM ATRIUM (SELF)



COURTYARD VIEW FROM FOOD COURT



FRONT FACADE (SELF)



SHOPPING KIOSK (SELF)



SHOPPING LOBBY (SELF)



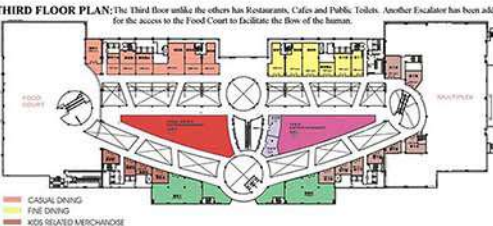
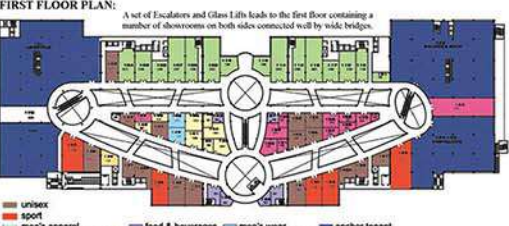
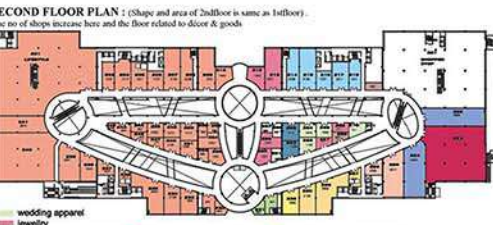
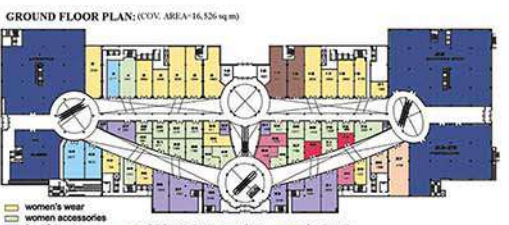
VIEW OF ATRIUM FROM LIFT (SELF)



ATRIUM (SELF)

# FLOOR PLANS

Floor have more than **45 shops**, and all are related to **daily use product** however there are four Anchor Tenant from Ground to Second floor, some food and Beverage shops and Gym are there.



## WORLDS OF WONDER

Worlds of wonder is an amusement park and water park location in **noida, sector 38a** near by delhi, india. The park is owned and operated by entertainment city limited, a joint venture of international amusement limited (ial, owners " appu ghar" in delhi) and unitech holdings ltd.



ENTRANCE PLAZA (SELF)



TICKET LOBBY (SELF)



TICKET COUNTER (SELF)



ENTERTAINMENT LOBBY (SELF)

Park is divided into two zone family zone (fz), tee zone (tz). Water park is spread across 10 acres and hosts 23 attractions.

**The Road Show :**  
 Road show meant for adventure lovers, has seven thrilling attractions ( also known as the teen zone ).

**La fiesta :**  
 la fiesta meant for family and kids, comprises of 13 attractions and a family park where the kids who are blow 90 cm can enjoy their day. You can sit on the grass and have a small picnic go about having fun on the non mechanical rides and the older ones have a good time on other rides.

**Rapid Race :**  
 'Rapid race' is the star attraction but the real gateway to a nail biting experience is the 'turbo tunnel'. Aside from these, there are numerous other slides, splash down rides and a wave pool.



GO KARTING TRACK (SELF)



KIDS ZONE (SELF)



WATER RIDES (SELF)



MEGA DISKO (TZ) (SELF)



URBAN PLAZA PANAROMA VIEW (SELF)

Urban Paza is the central connecting part of the Entertainment City that connects all the blocks and gather all the crowd.



# URBAN ENTERTAINMENT CENTRE, S.A.S. NAGAR

Sahibzada ajit singh nagar (s.a.s. nagar), commonly known as Mohali, is a city which is a commercial hub lying adjacent to the city of Chandigarh in Punjab, India. It is the administrative headquarters of Sahibzada Aji Singh district. It is also one of the six municipal corporations of the state. It was officially named after Sahibzada Aji Singh, the eldest son of Guru Gobind Singh as Sas Nagar ("City of Sahibzada Aji Singh"). It is still known and popular, as Mohali among local people and other parts of India.

## LOCATION

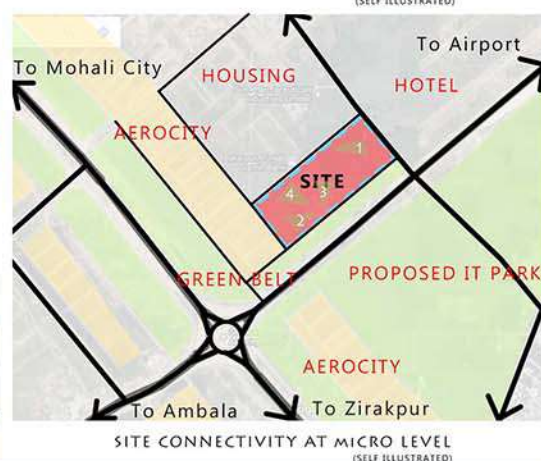
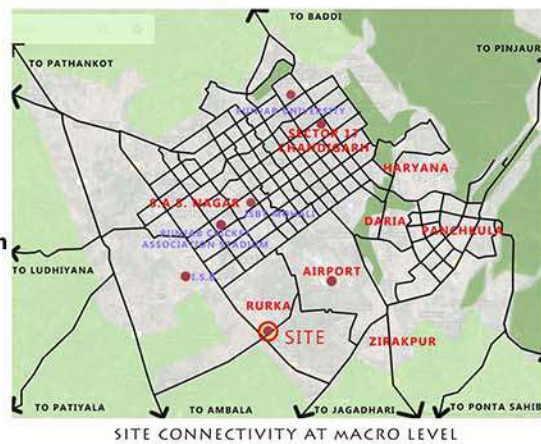


## PROJECT BRIEF

Site Area: **15.95 Acres**  
 Site Location: **Sector 66-beta, SAS Nagar, Punjab**  
 Latitude: 30°38'38.89" N  
 Longitude: 76°45'18.39" E  
 Project Status: **Proposed for Commercial Use**  
 Status: **BARREN LAND**  
 Development Authority: **GREATER MOHALI AREA DEVELOPMENT AUTHORITY.**

## SURROUNDINGS & ACCESSIBILITY

Chandigarh Airport **5.5 km (5min)**  
 Mohali I.S.B.T. **11.8 km (26min)**  
 Mohali Cricket Stadium **9.8 km (22min)**  
 Chandigarh Sector 17 **15.7 km (33min)**  
 Railway Station **6.8 km (15min)**  
 Aerocity **3.0 km (3min)**  
 I.S.B. **4.5 km (5min)**  
 Fortice Hospital **10.1 km**  
 Chandigarh College of Architecture **20km**



## SITE VIEWS



\*Site has all side roads. Site is surrounded by Housing projects, Hotel and IT Park. Site need a great buffer zone

# TOPOGRAPHY

The topography of the district is **even**. It is mostly a plain of **alluvial** type. **It also has loam to heavy loam and sand to sandy loam soils in certain part of district.** Soil is rich in nutrients and suitable for crops like wheat, paddy, maize, potato, etc.

## DEMOGRAPHICS

As per **2011 census** Mohali's urban agglomeration had a **population of 146,213**, out of which 76,507 were males and 69,706 were females. The **literacy rate is 91.96%**. The sex ratio of Mohali is **911 females over 1000 males.**

Mohali City	Total	Male	Female
City + Out Growths	166,864	87,380	79,484
City Population	146,213	76,507	69,706
Literates	121,742	64,803	56,939
Children (0-6)	13,820	7,324	6,496
Average Literacy (%)	91.96 %	93.67 %	90.08 %
Sexratio	911		
Child Sexratio	887		



Sikhism is majority religion in the city with 61.53% followers. Hinduism is second most popular religion in city with approx 35.55% following it. Islam is followed by 1.68% Christianity by 0.79%.

## SEISMIC ZONE

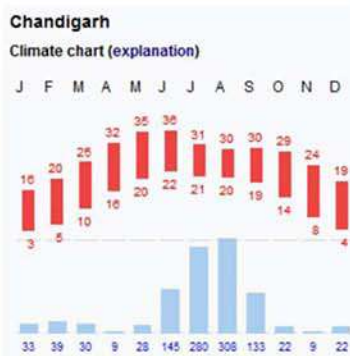
Mohali lies in earthquake zone **IV**. **Zone IV**: this zone is called the high damage risk zone.

## CLIMATE

Mohali has **sub-tropical continental monsoon climate** characterized by a seasonal rhythm: In winters, frost sometimes occurs during December and January. The average annual **rainfall** is recorded at **617 mm**. The city also receives occasional winter rains from the west.

## TEMPERATURE

**Summer**: the temperature in summer may rise to a maximum of 47°C. Temperature generally remains between 30 and 40°C.  
**Autumn**: the temperature may rise to a maximum of 36°C. Temperature usually remains between 16 and 27°C in autumn. The minimum temperature is about 13°C.  
**Winter**: average temperature in winter remains at 7-15°C (maximum) and 5°C (minimum).  
**Spring**: spring temperatures vary between 16-25°C.



CITY CLIMATE, TEMPERATURE, RAINFALL



SITE CLIMATE AT MICRO LEVEL (SELF ILLUSTRATED)

Cold winds usually tend to come from the north near Shimla and Jammu Kashmir. The city also receives occasional winter rains from the Western Disturbance originating over the Mediterranean Sea.

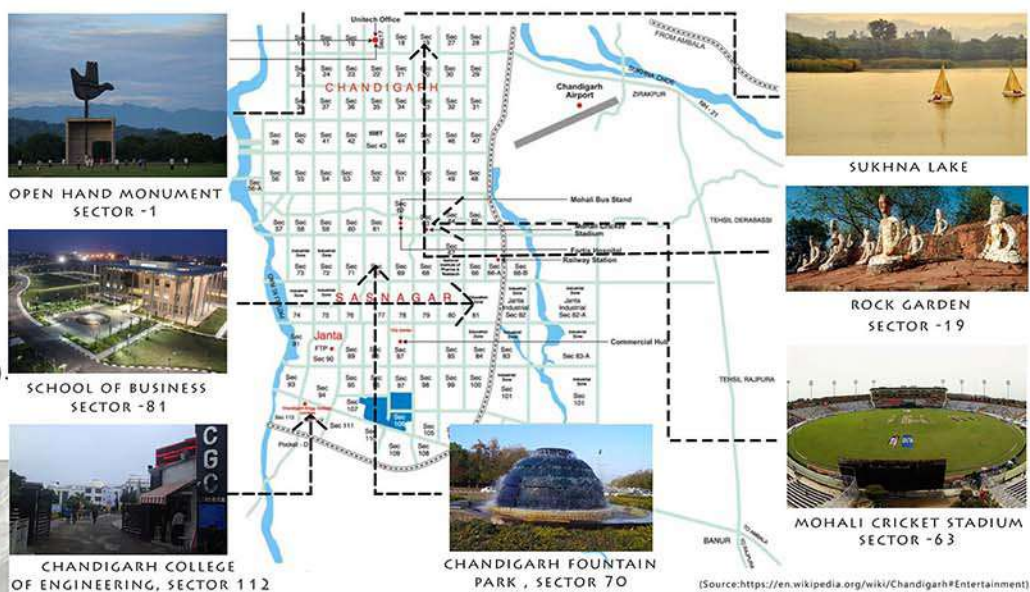
# SITE PLAN & SECTION



## ECONOMY

Chandigarh has been rated as the "Wealthiest Town" of India. The Reserve Bank of India ranked Chandigarh as the Third largest deposit centre and seventh largest credit centre nationwide as of June 2012. With a per capita income of ₹99,262, Chandigarh is the richest city in India.

## ENTERTAINMENT AREAS IN CITY



## NEED OF ENTERTAINMENT CENTRE

Chandigarh, Mohali are well planned and sector based planned cities. All the entertainment facilities are divided in different sectors, As per Urban growth in India people needs all the facilities at a same place, It will also help in increasing the revenue of the city. There is the maximum population of Sikhs, there culture is very different from other religions. Sikhs are the lover of Food, Fashion, and Entertainment.

## TRICITY

Mohali and Panchkula (adjoining Chandigarh to its East and in Haryana) are two satellite cities of Chandigarh. The trio of these three cities is collectively known as Chandigarh Tricity. Panchkula is a planned city in Panchkula District, Haryana, India. The Union Territory of Chandigarh along with its two satellite cities - Panchkula and Mohali - is collectively called as the Chandigarh Tricity.



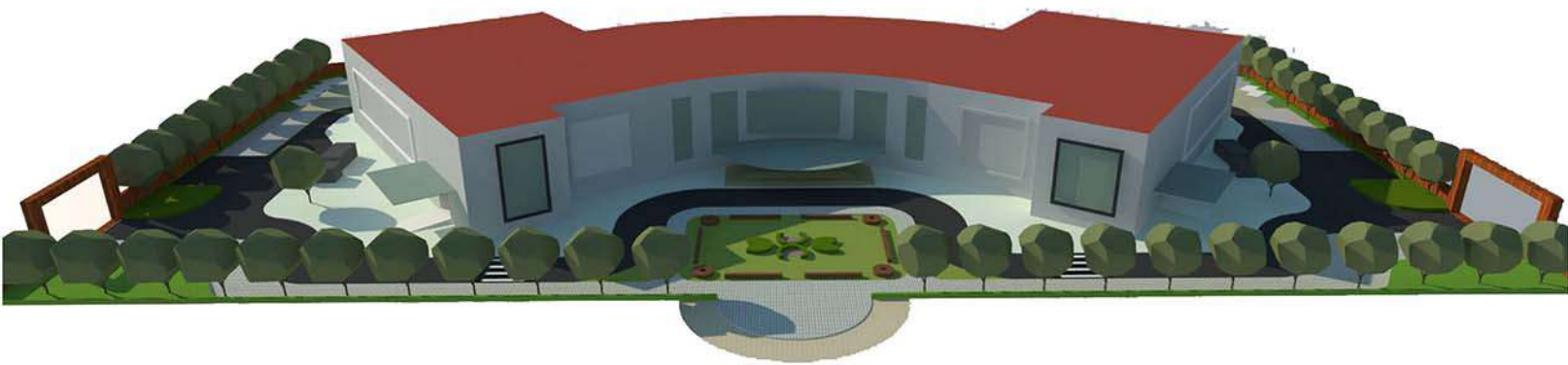


SCALE- 1:500

SITE PLAN  
ARCHITECTURAL THESIS

# URBAN ENTERTAINMENT CENTRE





SHOPPING MALL



SHOPPING MALL



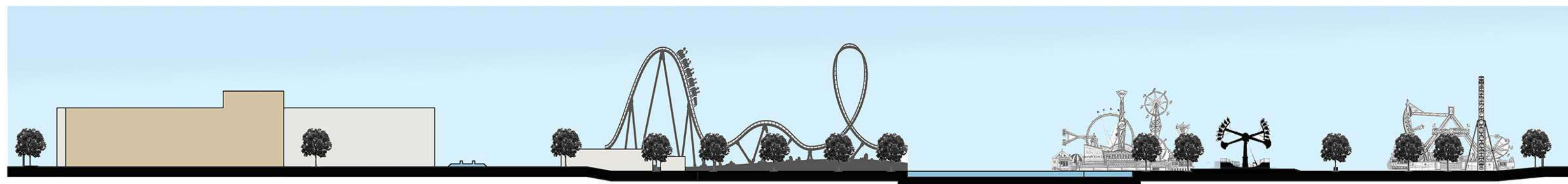
PADESTRIAN DETAIL



FOOD COURT



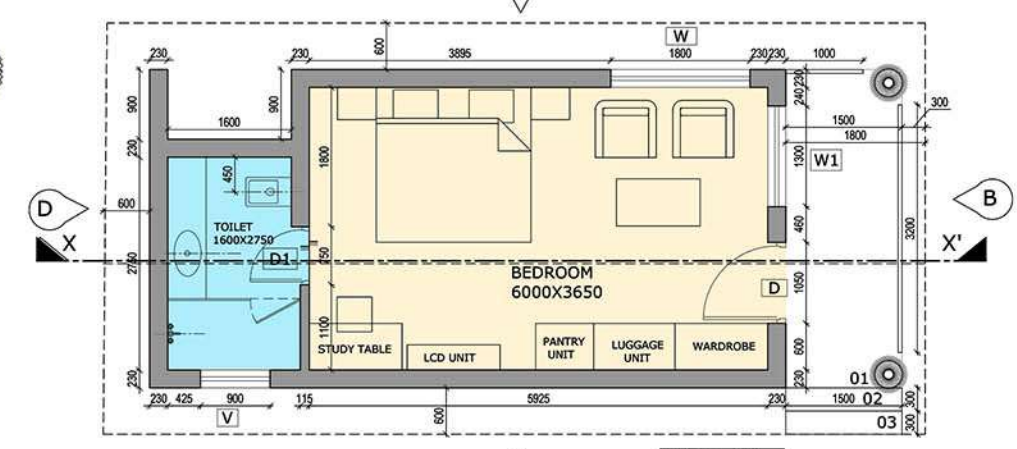
FOOD COURT



SITE SECTION

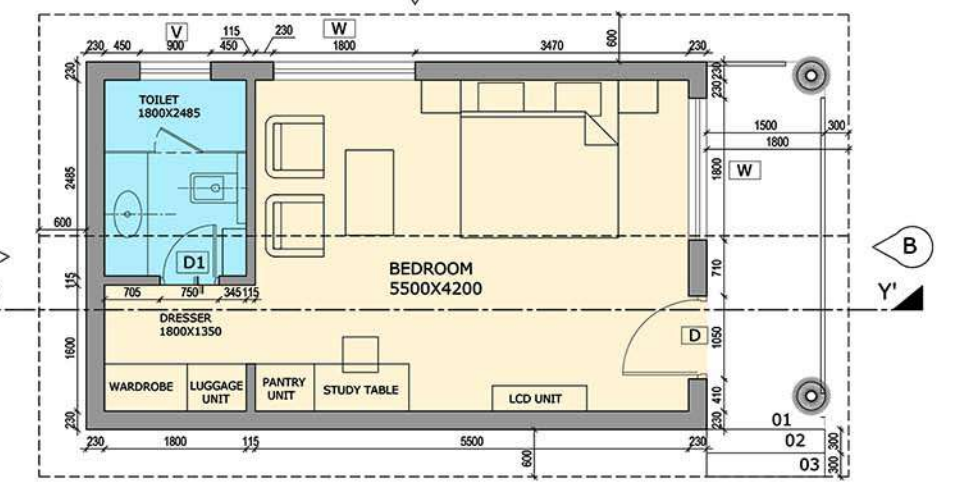






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COTTAGE TYPE-A

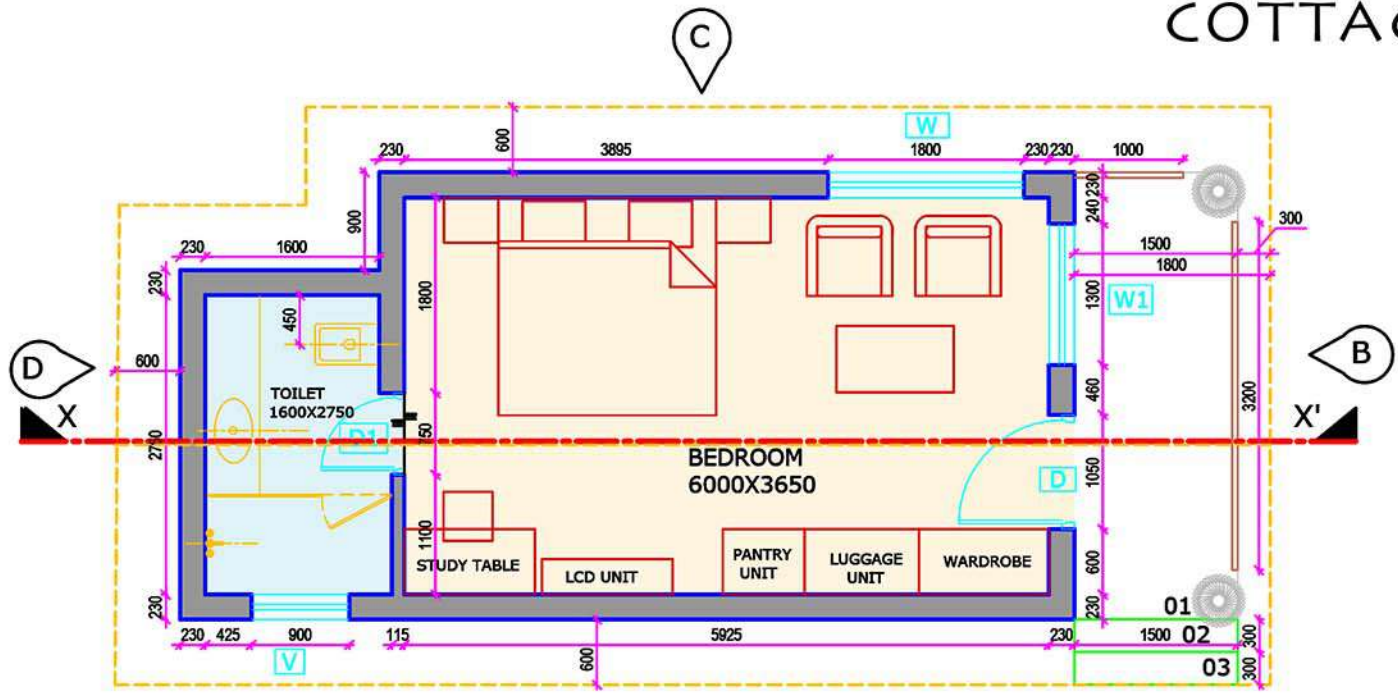


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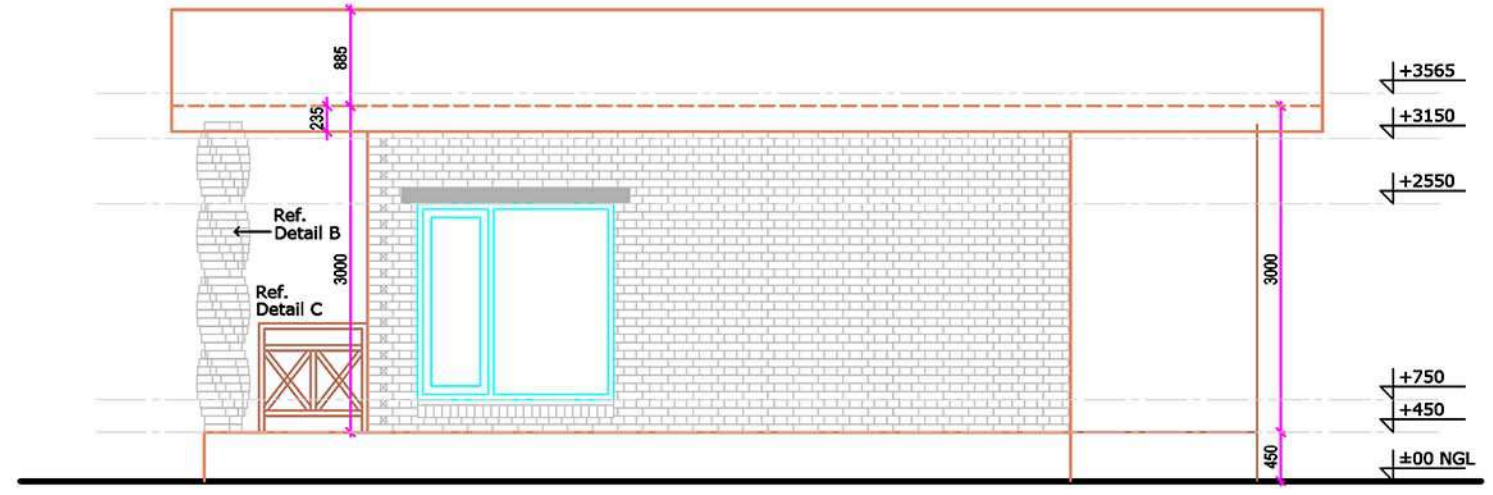
COTTAGE TYPE-B



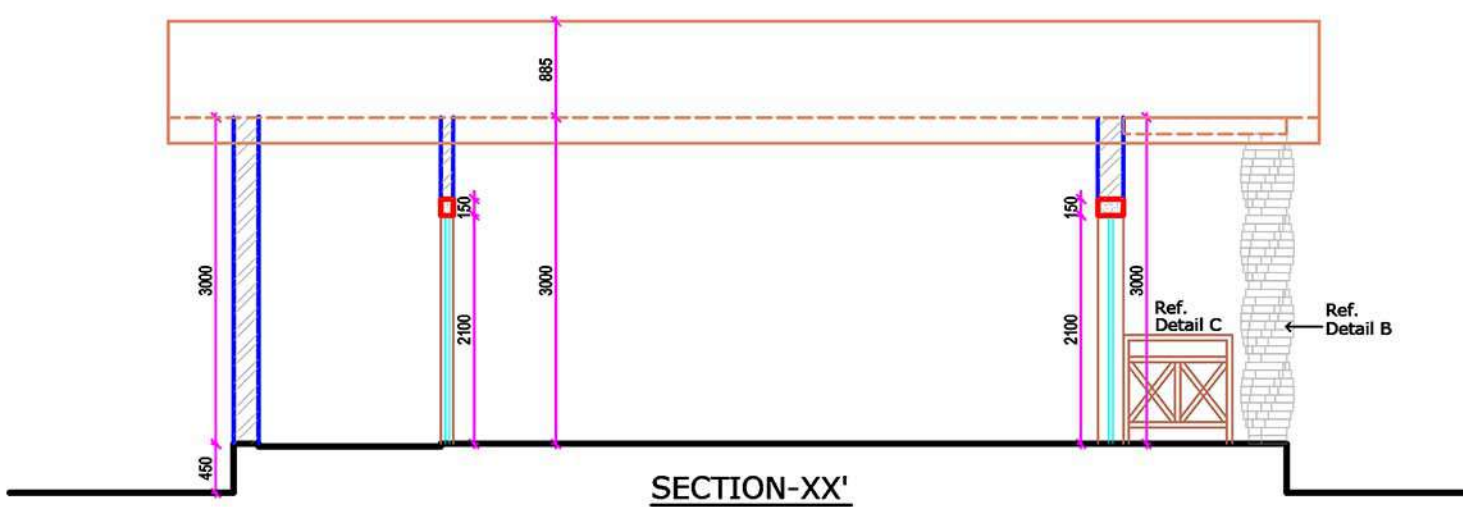
# COTTAGE TYPE A



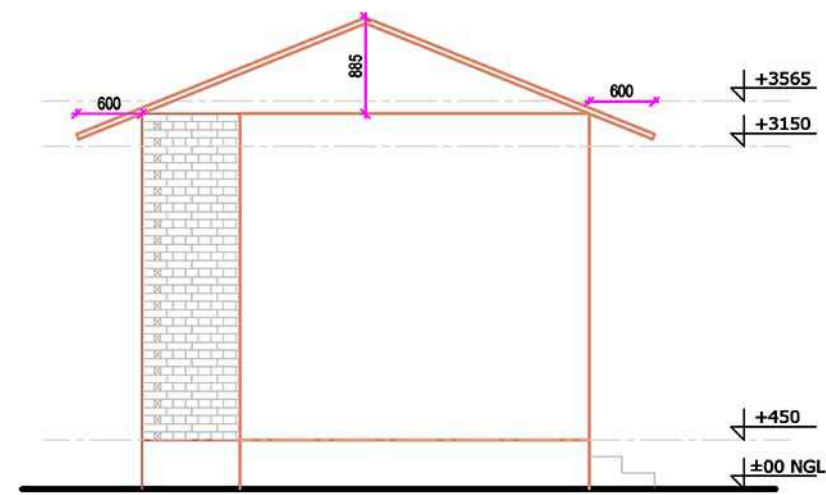
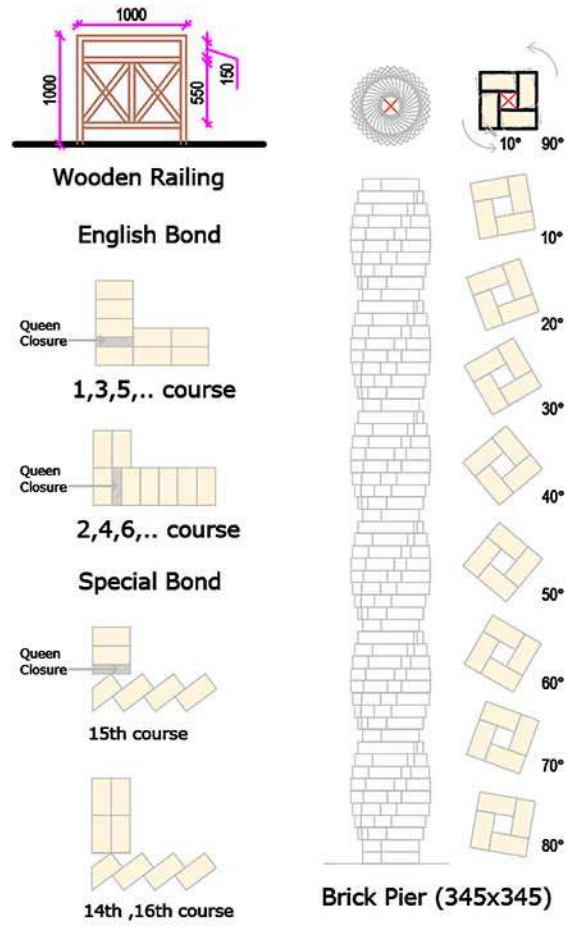
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 WIDTH=1500



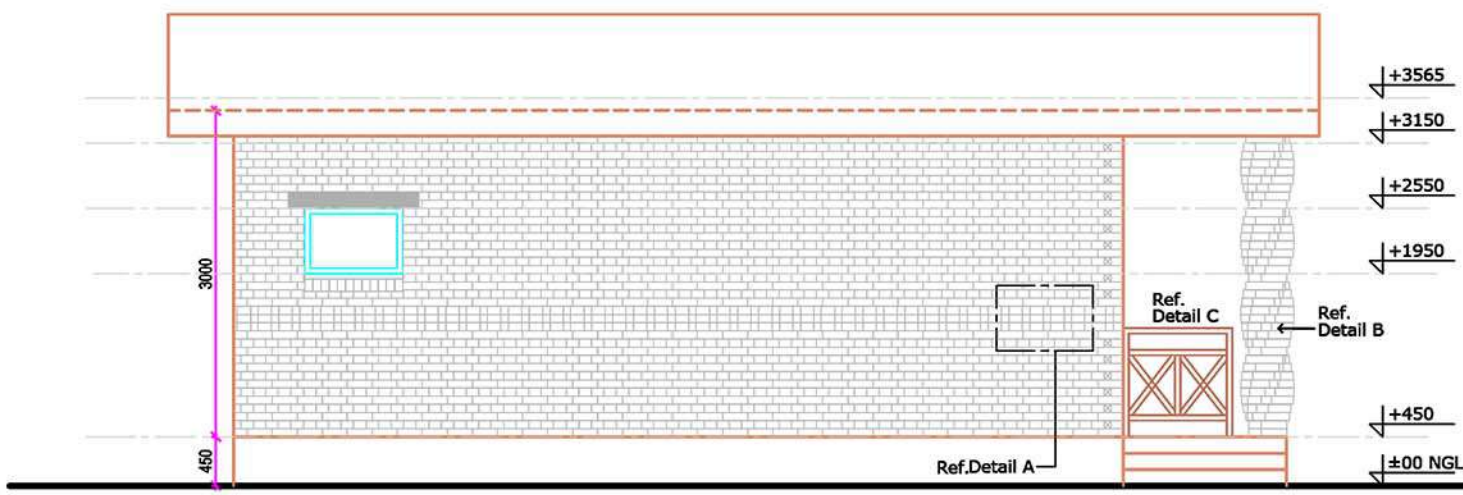
ELEVATION-C



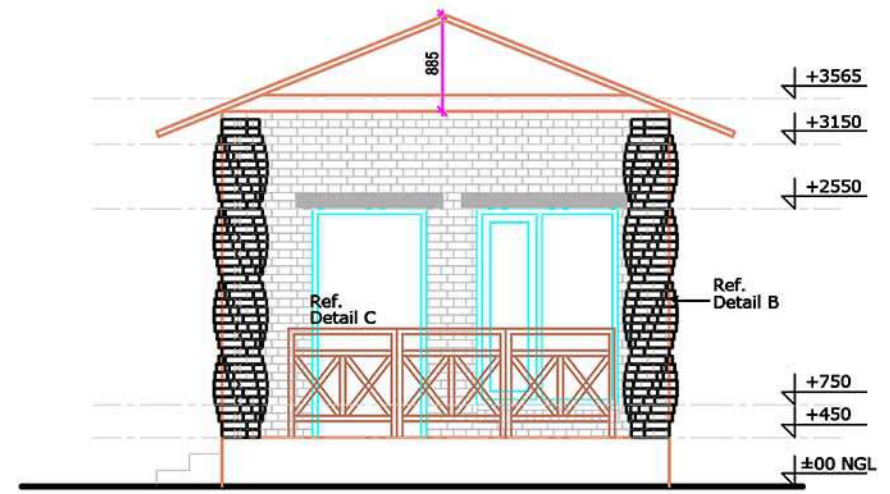
SECTION-XX'



ELEVATION-D



ELEVATION-A

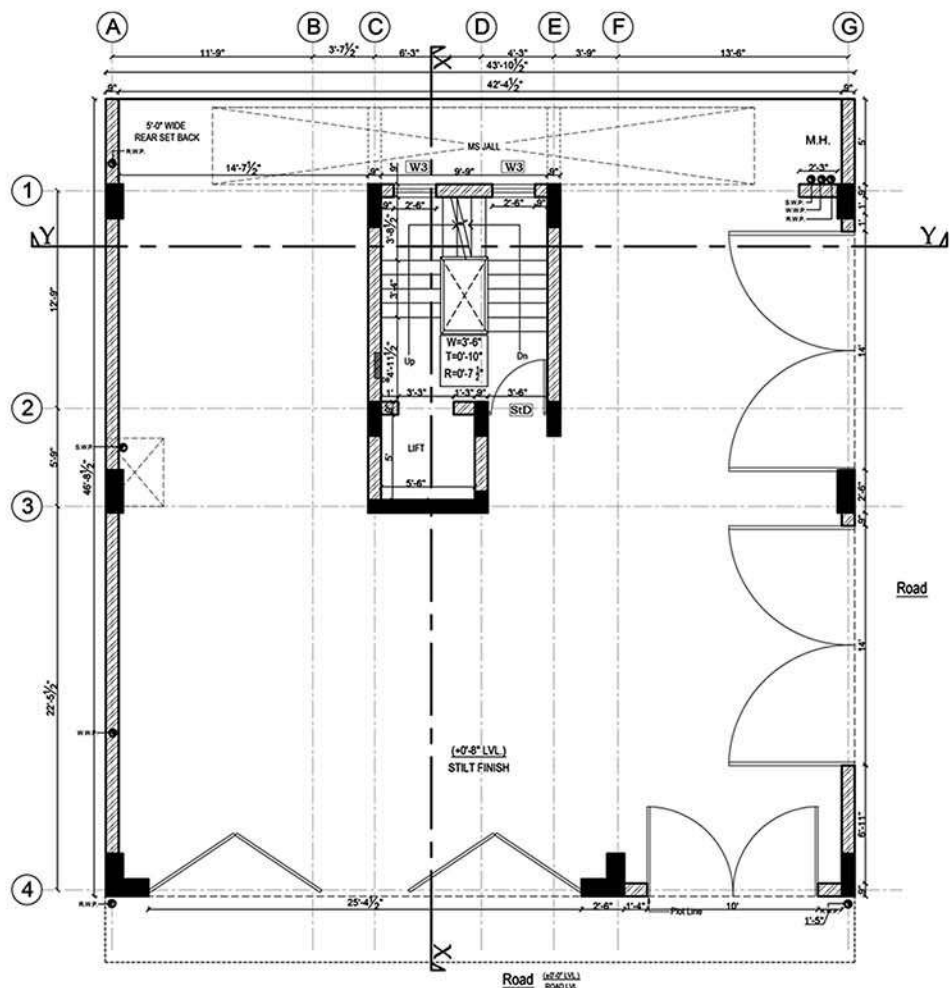


ELEVATION-B

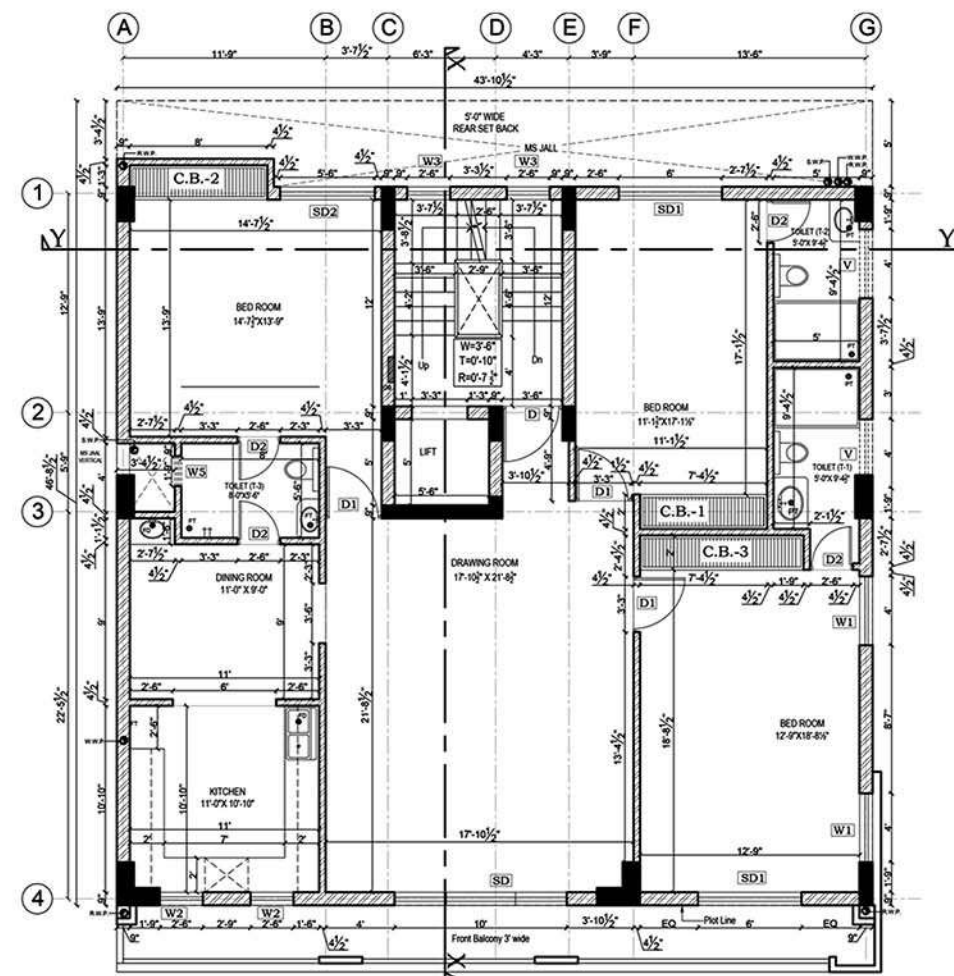




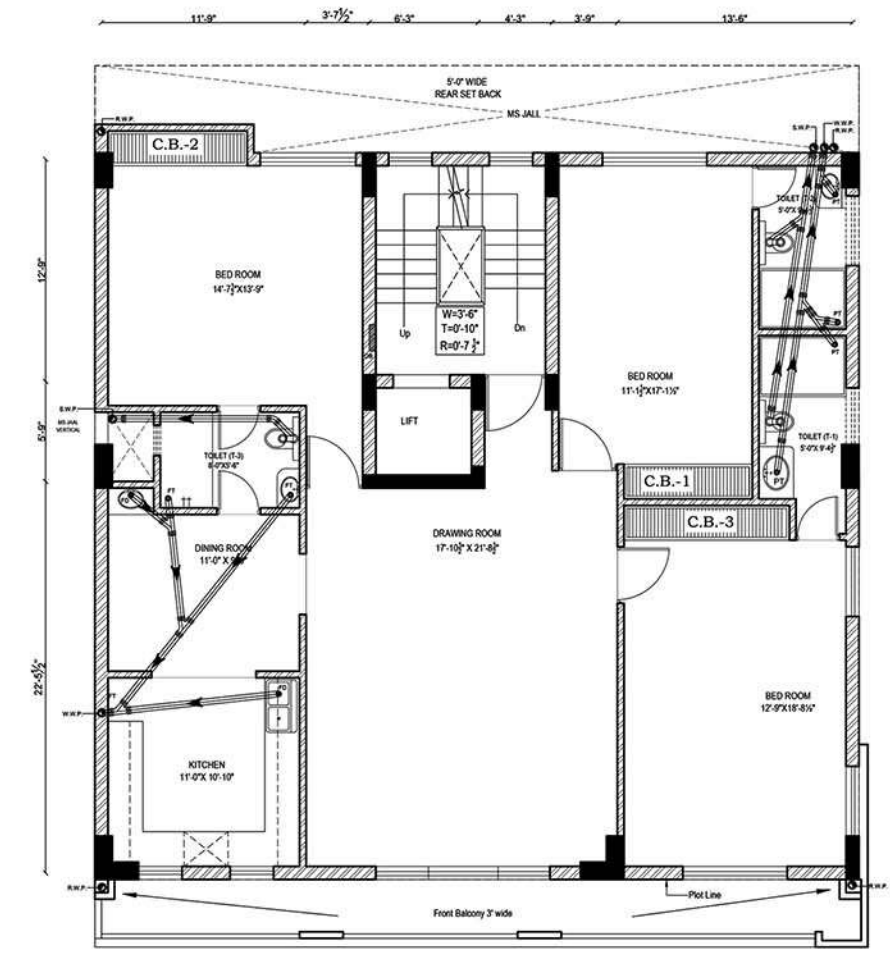




STILT PLAN



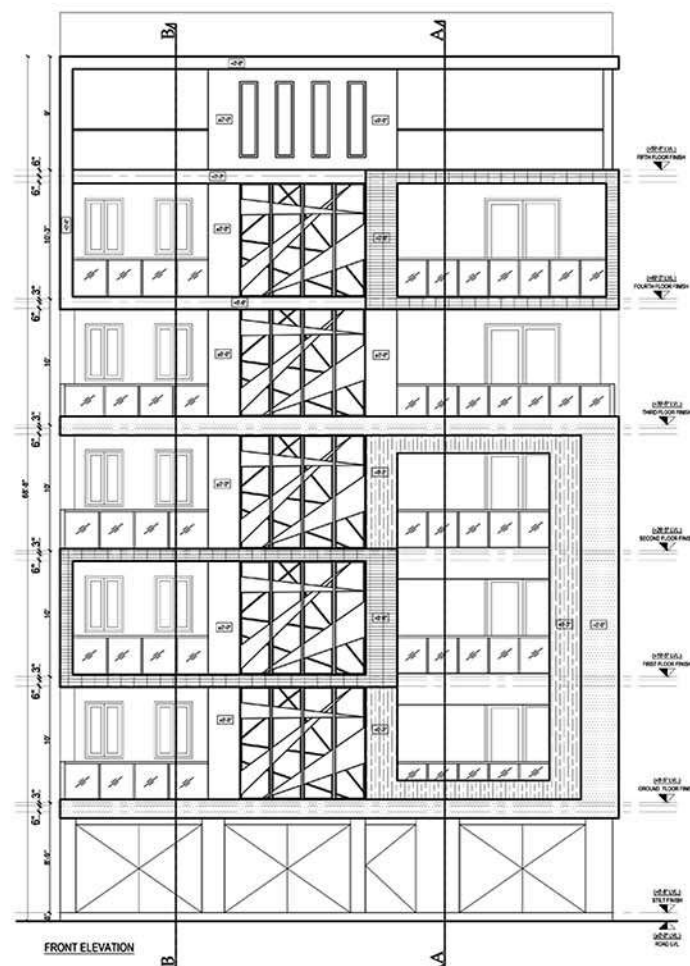
TYPICAL FLOOR PLAN



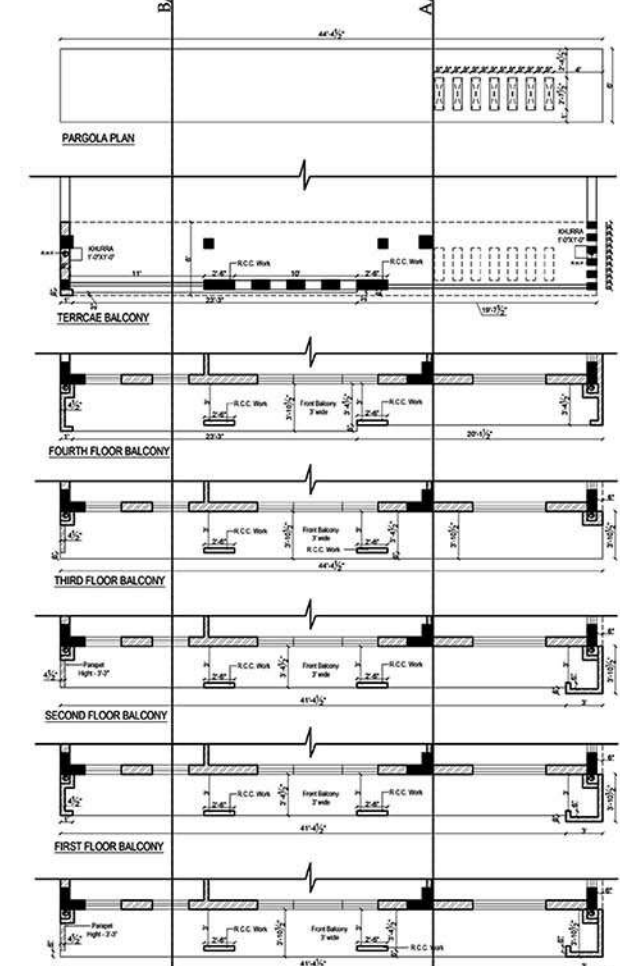
TYPICAL FLOOR PLUMBING LAYOUT



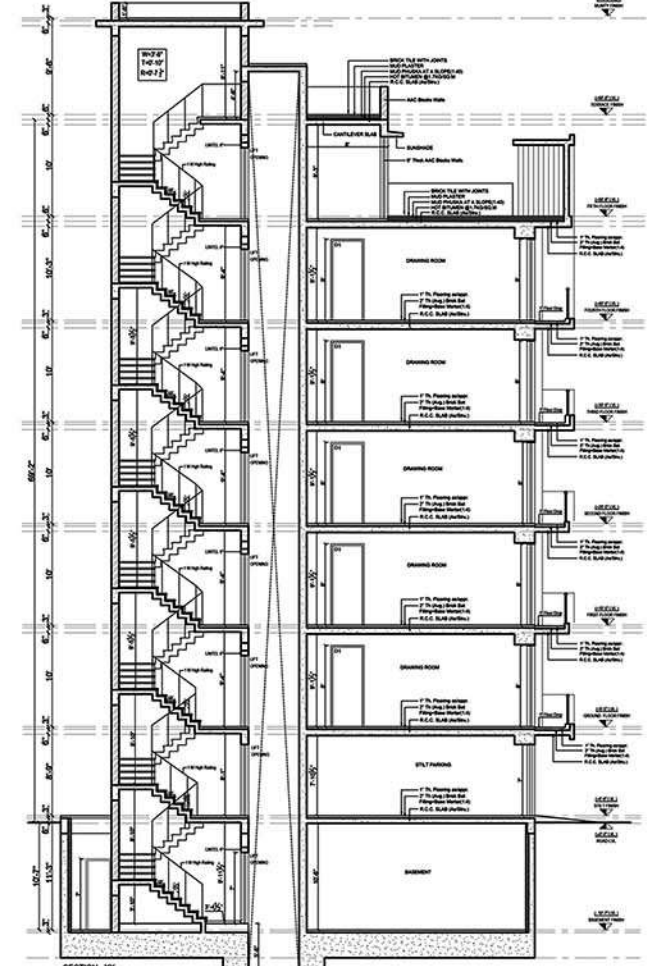
3D VIEW



FRONT ELEVATION

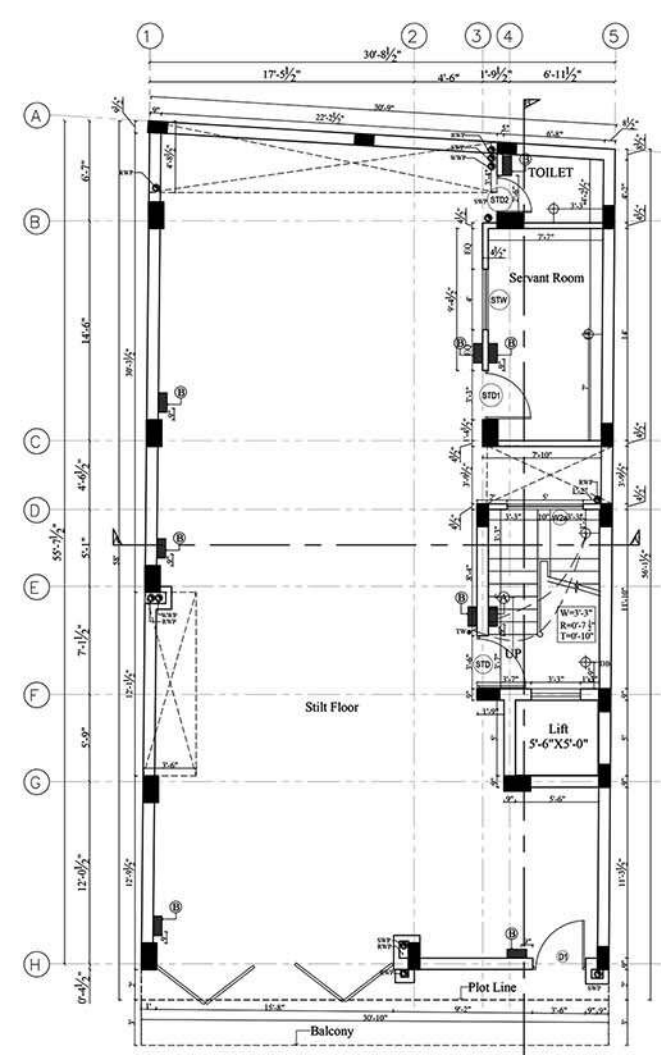


BALCONY DETAIL

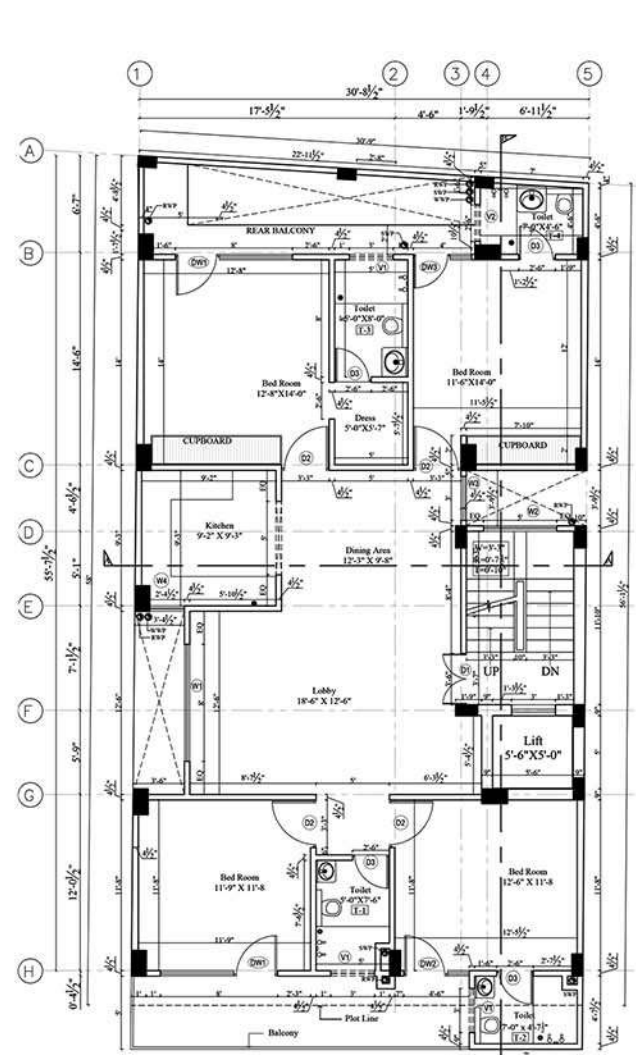


SECTION

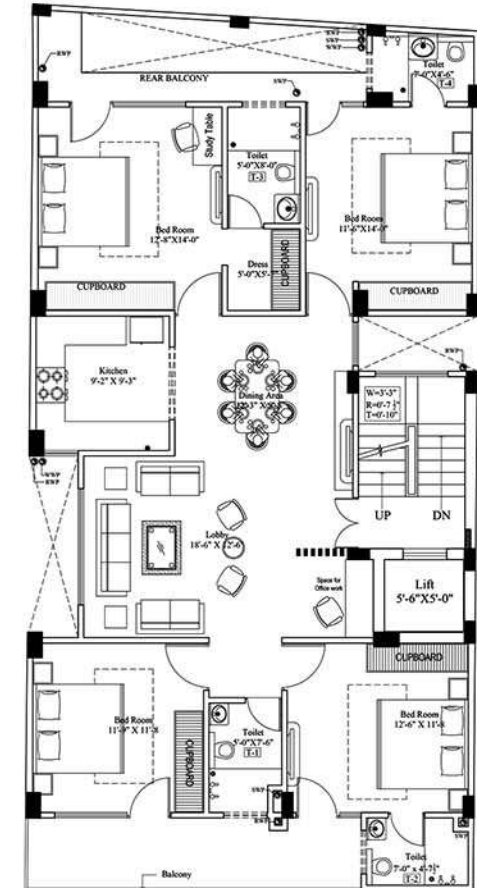




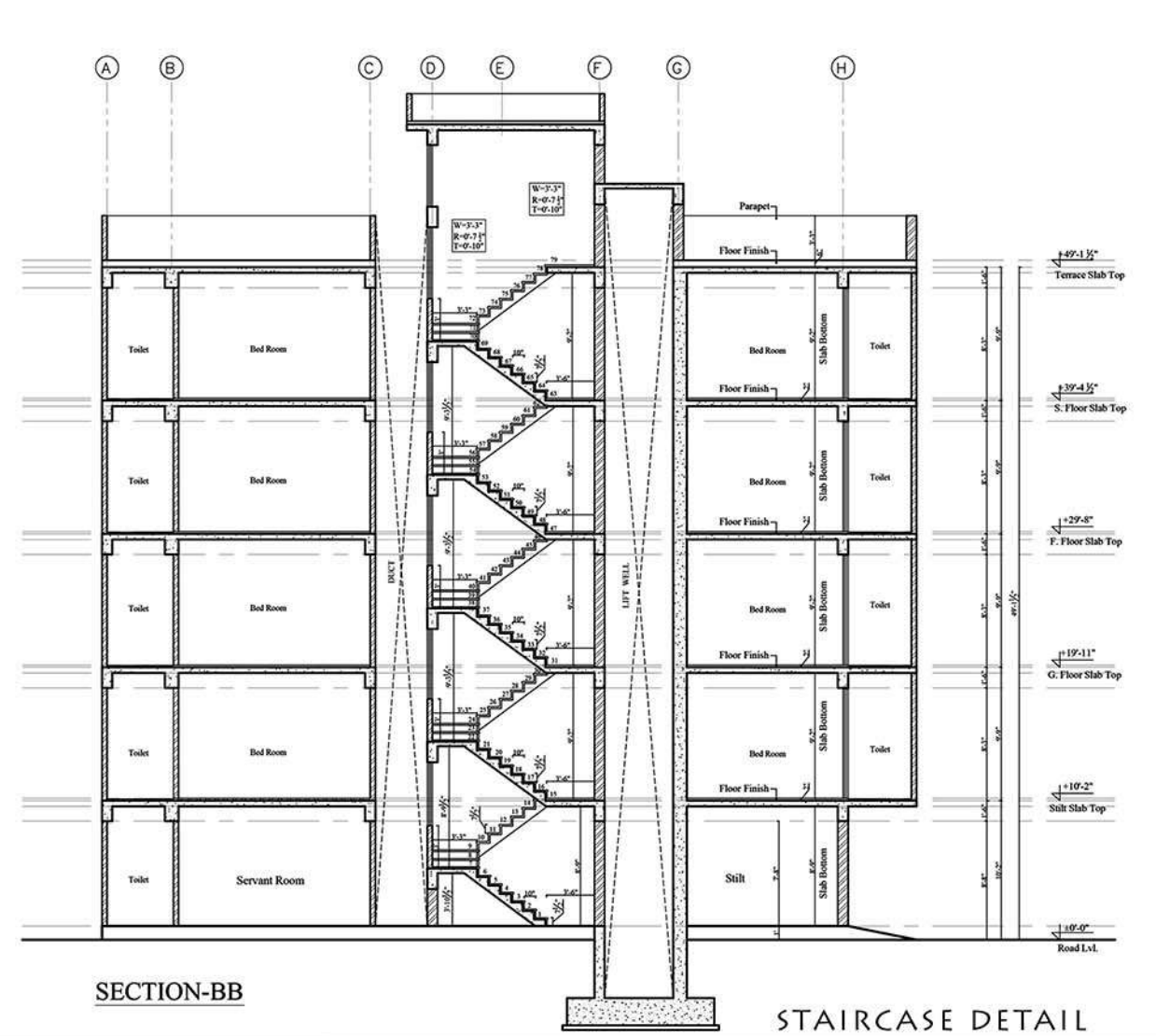
STILT PLAN



TYPICAL FLOOR PLAN



TYPICAL FLOOR PLAN

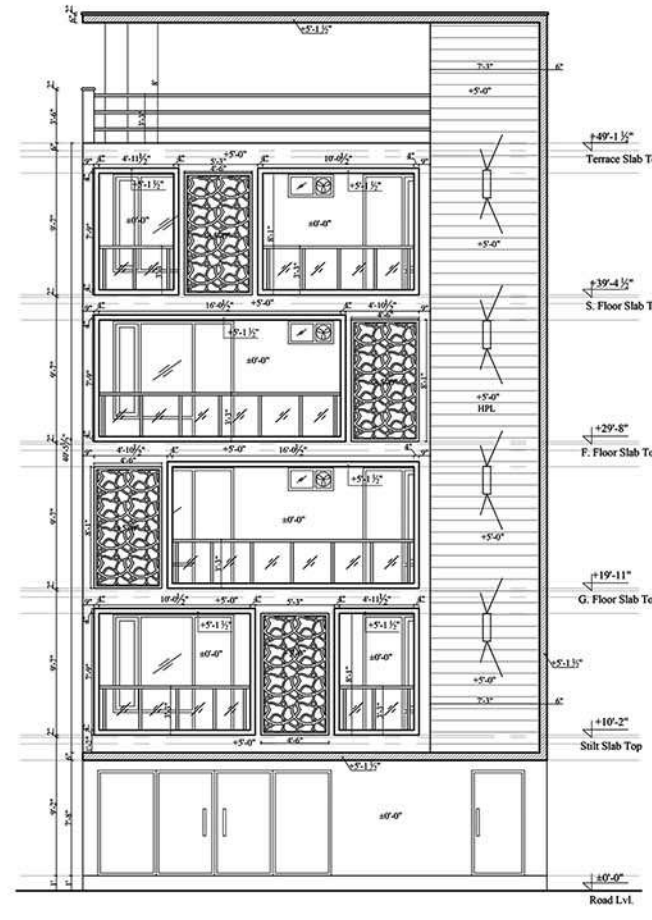


SECTION-BB

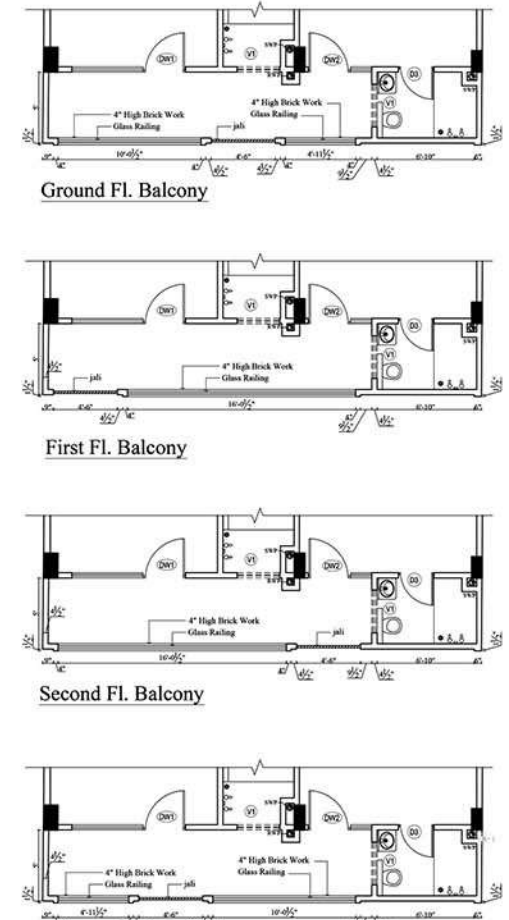
STAIRCASE DETAIL



FRONT ELEVATION



FRONT ELEVATION

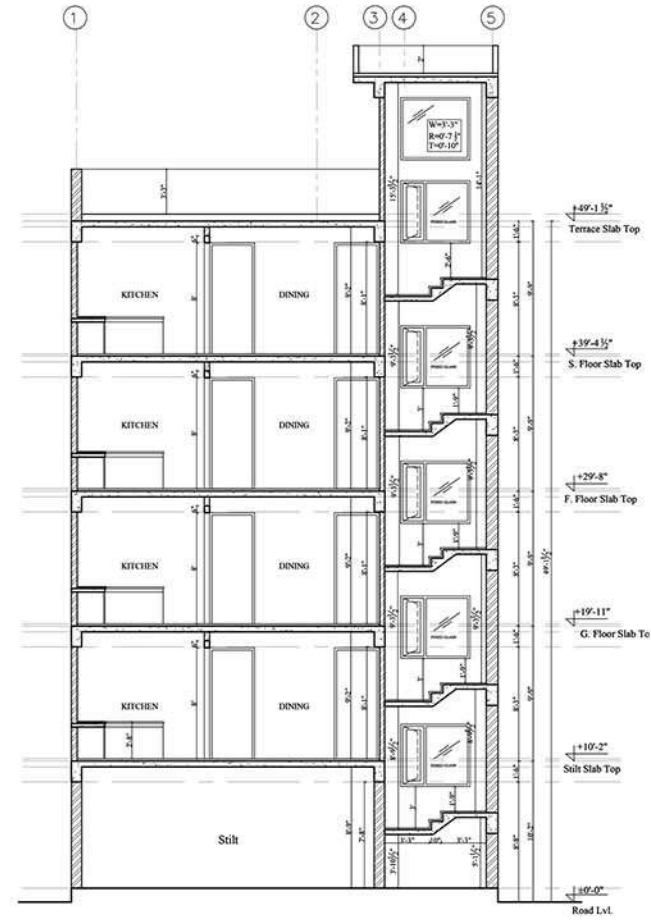


Ground Fl. Balcony

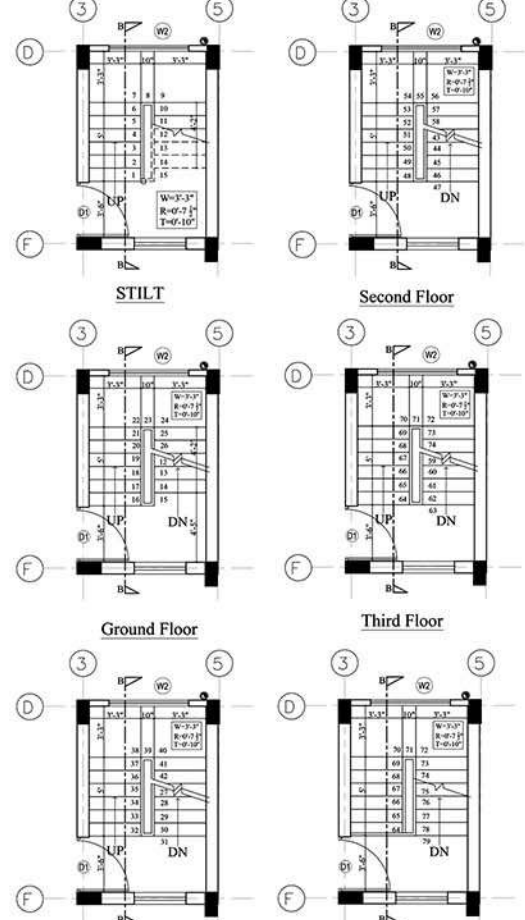
First Fl. Balcony

Second Fl. Balcony

Third Fl. Balcony



SECTION-AA



STILT

Second Floor

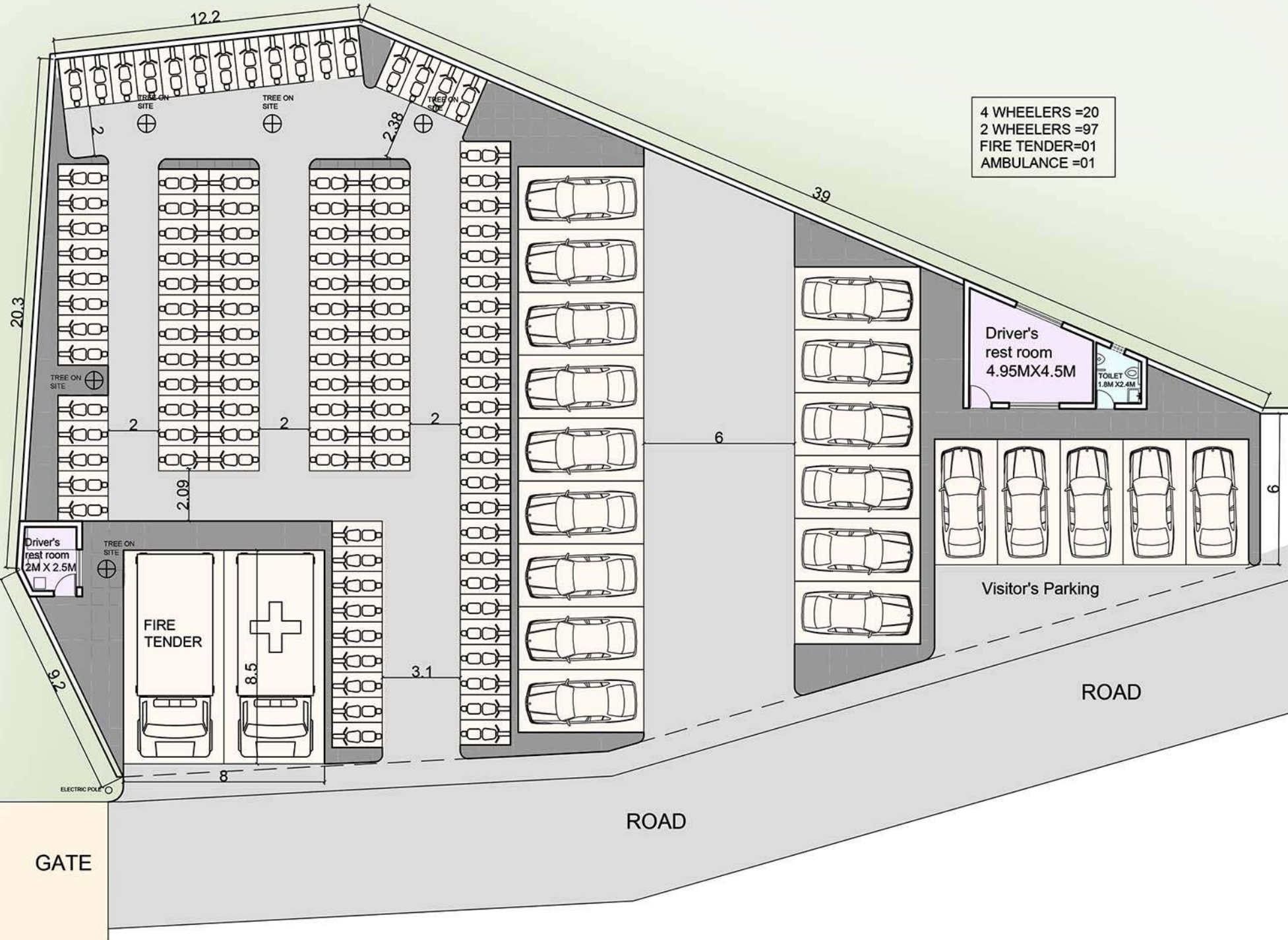
Ground Floor

Third Floor

First Floor

Terrace





4 WHEELERS =20  
 2 WHEELERS =97  
 FIRE TENDER=01  
 AMBULANCE =01

