



THESIS REPORT ON
CITY CENTRE, GREATER NOIDA

A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE
DEGREE OF:

BACHELOR OF ARCHITECTURE
BY

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THESIS GUIDE

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TO THE

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LUCKNOW.

SCHOOL OF ARCHITECTURE AND PLANNING

BABU BANARASI DAS UNIVERSITY, LUCKNOW (U.P.).

CERTIFICATE

I hereby recommend that the thesis entitled “**CITY CENTRE, GREATER NOIDA**” under the supervision, is the bonafide work of the students and can be accepted as partial fulfillment of the requirement for the degree of Bachelor’s degree in architecture, school of Architecture and Planning, BBDU, Lucknow.

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Not Accepted

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Time demands that I express my gratitude to those who have been a part of my stay in B.B.D.U. It's been great, all these years, but life moves on.. and so do we. I express my deepest gratitude to my thesis guide AR. AANSHUL SINGH for his valuable passionate guidance, critical discussions, suggestions and continuous support all through my B.ARCH thesis.

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My all teachers, your support, encouragement and guidance have given us the strength to embark on this rigorous journey .My parents, saying thanks is nothing, just accept this as a tribute to what you have made me.

It would not have been possible without my My friend- ARPITA GUPTA and MOHAMMAD HASNAIN. Though words hardly express the true emotions, still I would like to thank all my near and dear ones who helped and guided me.

KAMRAN AHMAD
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INTRODUCTION & SITE ANALYSIS

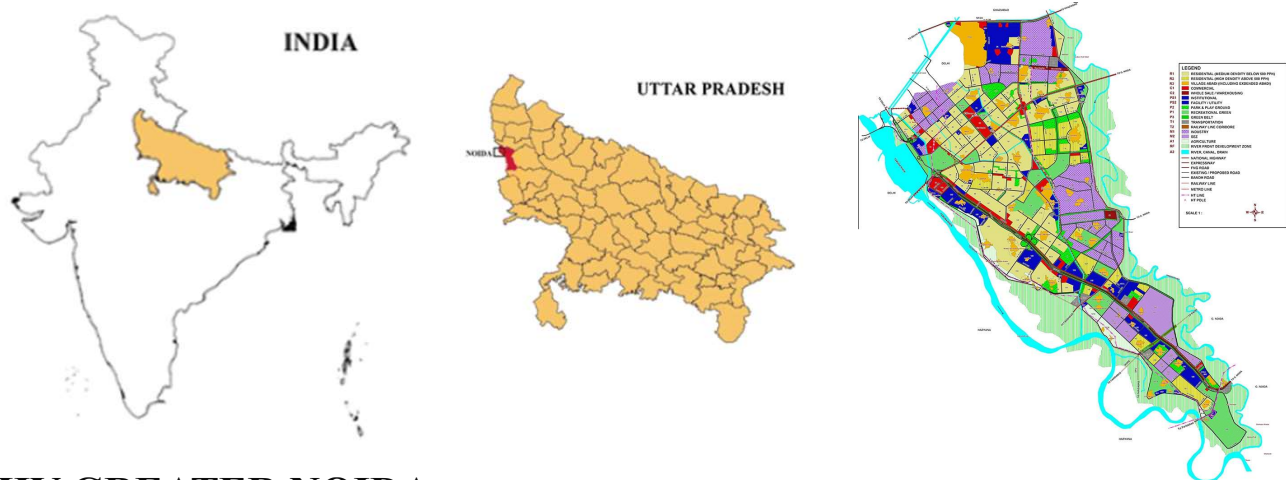
INTRODUCTION

A city center can be defined as the area of the city where Culture, Shopping, Entertainment, Commerce are concentrated. These areas usually combine shopping, learning and other recreational activities to provide the visitors with a great overall experience.

This thesis design would serve a role in architectural intervention that are symbolic to A settlement as a whole and would try to provide a cultural identity to the city along with a place

to visit for the tourists and become an attraction for tourists and visitors not only from

Greater Noida but from throughout India or even worldwide.



WHY GREATER NOIDA

Greater noida is a city that is developing at a very rapid pace and the population here is also Increasing at the same rate. Currently, the city lacks a cultural identity and it also lacks a landmark Or a major attractor that would attract tourist attention. With its current building proposition,

It is majorly seen as an industrial city but numerous residential projects are coming up as well. Just like we consider noida to be an industrial-focused city in the same way greater noida is seen as The educational hub with numerous universities and offices it consists of a large youth generation-based Population. The site selected for the project in the masterplan is stated to be lying under the commercial zone subcategorized as a sub-district center. The area holds great potential and With the current requirements as well as the upcoming future increase in populations and Development in greater noida the city center design can be a future proof design catering Greater noida as well as the nearby areas with a one-stop destination for recreational and shopping Based activities.

OVERVIEW

The project would integrate different typologies in one location. These typologies are the places for which people do usually have to travel long distances to visit all in one place. With the modernization taking place at such a rapid pace people are adapting to newer methods of shopping which is online as that is very convenient to them. Due to this according to my study in the future, the shopping centers won't be able to function well in a stand-alone place. Thus, in the design, the focus would be to dissolve the edges and inculcate all these different typologies into one functional space with the help of connecting nodes. the design would provide a reason for visitors to come to the shopping center as there would be a mix of cultural and recreational activities along with a mix of traditional and modern shopping methods.

AIM

To create a *one-stop location that acts as a node to hold commercial and cultural activities at one place & creates a landmark for the city as well as helps in defining the cultural values of the city To create a future proof design of the shopping center that caters to the needs of now as well as the future

ABOUT GREATER NOIDA

Greater Noida is a 100,000-population census town located in the Gautam buddha Nagar district of north Indian state of Uttar Pradesh. it comes under the purview of national capital region (NCR) of India. it is located at about 40 kilometers (25 mi) south-east of New Delhi, 20 kilometers (12 mi) south-east of Noida, one of the largest industrial townships of Asia. the development of greater Noida is managed by the greater Noida industrial development authority (GNIDA). Greater Noida is a fast-growing region, on a trajectory to be one of the largest industrial and education hubs of India. Greater Noida has excellent infrastructure and road network, on par with Chandigarh and Bangalore contributing greatly to its rapid progress witnessed in the recent years. about 25 percent of the city's total area has plant cover, which lends a vibrant and fresh look to the city, especially in the monsoon season. the city is very well connected with Agra by the 6 lane Yamuna expressway.

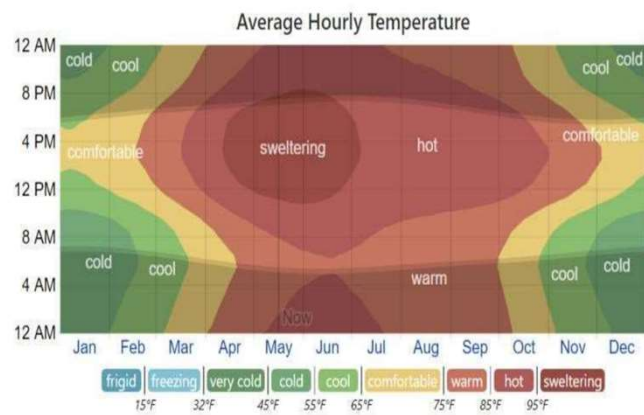
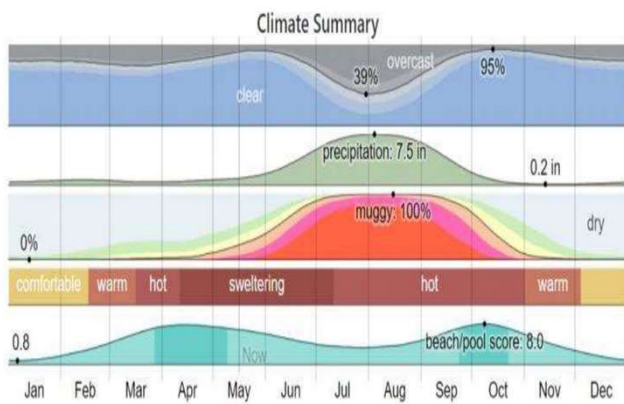
CLIMATE

The climate of greater noida is composite and monsoon- influenced humid subtropical climate with high variation between summer and winter

Temperature range here has been between 0.6 °c to 47°C

Precipitation: - receives on average 715 mm of precipitation annually or 60 mm each month.

On balance there are 57 days annually on which greater than 0.1 mm of precipitation occurs or 5 days on an average month.



THE SITE

Location: - Theta II, Greater Noida

Site Area: - 42,560 M2 (10.5 Acres)

Total Site Area = 10.5 Acres = 42560

Maximum Ground Coverage = 40% = 17,024

Ground Coverage Achieved = 16,225

Maximum Permissible F.A.R = 4

Maximum Permissible Built Up = $42560 \times 4 = 170,240$

Minimum Car Parking Required = 2,400Car

Parking Achieved = 2,496

Max Permissible Height: - No Limit

Setbacks: - Front- 12m Rear- 6m Back-9m



DEPOT METRO STATION



GREATER NOIDA INDUSTRIAL DEVELOPMENT AUTHORITY



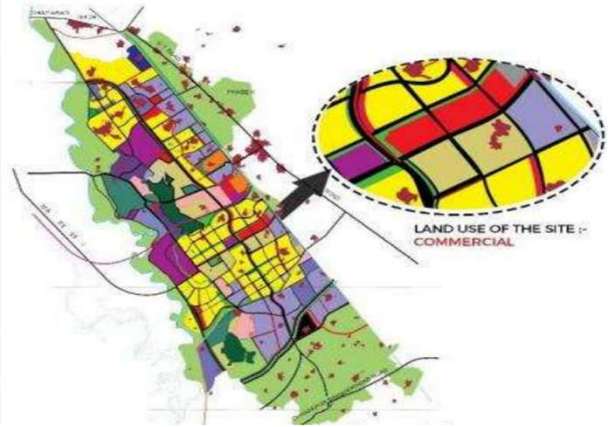
CONTEXT OF THE SITE

- 1 PROPOSED SITE
- 2 DEPOT METRO STATION
- 3 BUS STOP
- 4 NMRC STAFF QUARTERS
- 5 NOIDA METRO DEPOT
- 6 NOIDA METRO OFFICE
- 7 SHIWA BABA TEMPLE AND PARK
- 8 GREATER NOIDA INDUSTRIAL DEVELOPMENT AUTHORITY
- 9 NOIDA METRO STATION
- 10 NOIDA POWER COMPANY LIMITED
- 11 JAIPUR VILLAGE
- 12 ANSAL SUSHANT SERENE RESIDENCY
- 13 MIGSUN VILLASA



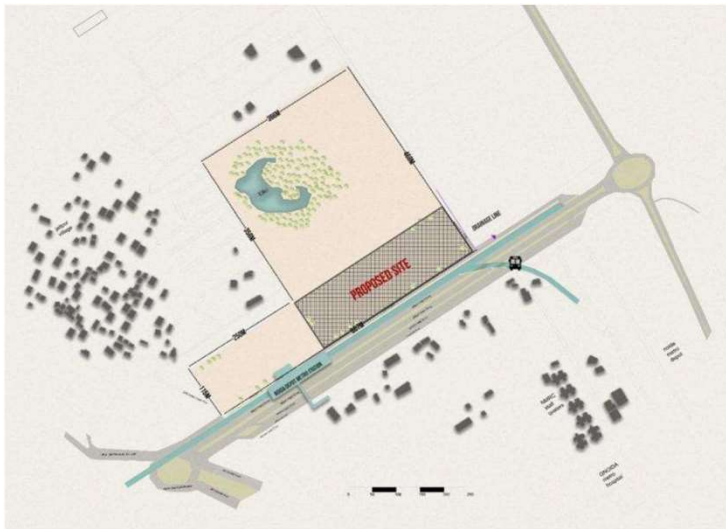
ACCESSIBILITY TO THE SITE

-  - BORAKI VILLAGE – 4KM – 11MINS
-  - JEWAR INTERNATIONAL AIRPORT – 47KM – 48MINS
- IGI AIRPORT – 54KM – 1HR 20MINS
-  - DEPOT STATION(AQUA LINE) – ATTACHED TO THE SITE
-  - BUS STOP- THETA II , OPPOSITE TO THE SITE



According to the greater Noida 2023 master plan HETA II is marked under the commercial zone and according to the detailed land use proposals the site comes under the proposal for a sub district center .Therefore, the bylaws and standards for the site are taken accordingly.

SITE EXISTING SCENARIO



The site is an L shaped plot which totals up to 54 acres but for my thesis project the city center will be developed on the highlighted part which is 10.5 acres

The site consists of a dried-up lake which can be redeveloped in order to create an opportunity and attractor to get the visitors to our site. This would create a scenario like in the past we

used to have the badkal lake just adjacent to the outskirts of Delhi. That part of Delhi wasn't paid much heed to earlier but with the commercialization of that lake it gained sudden attention of the people and that place became a landmark and a small one stop destination with a lot of people visiting the place on weekends to spend some leisure time

The site is accessible via an 8m wide service road on the front side and on the right side too there is an 8 m wide road thus this would help me get flexibility in choosing and deciding the entries and exits for the site.

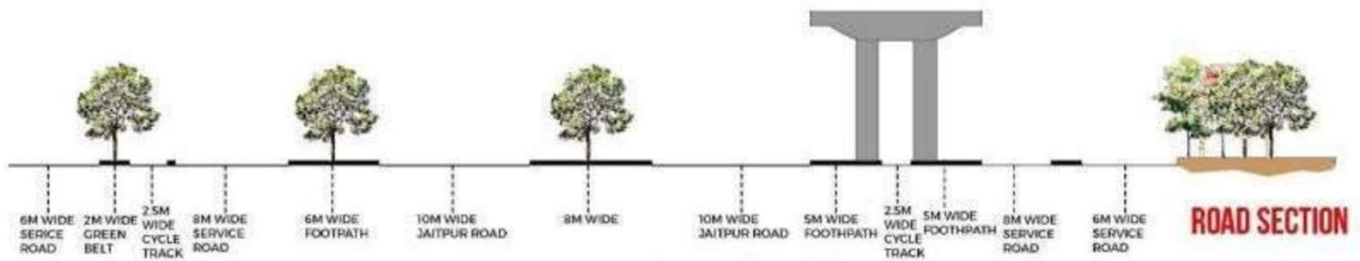
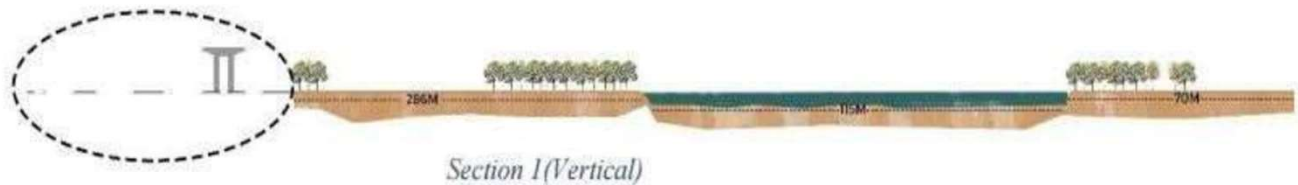
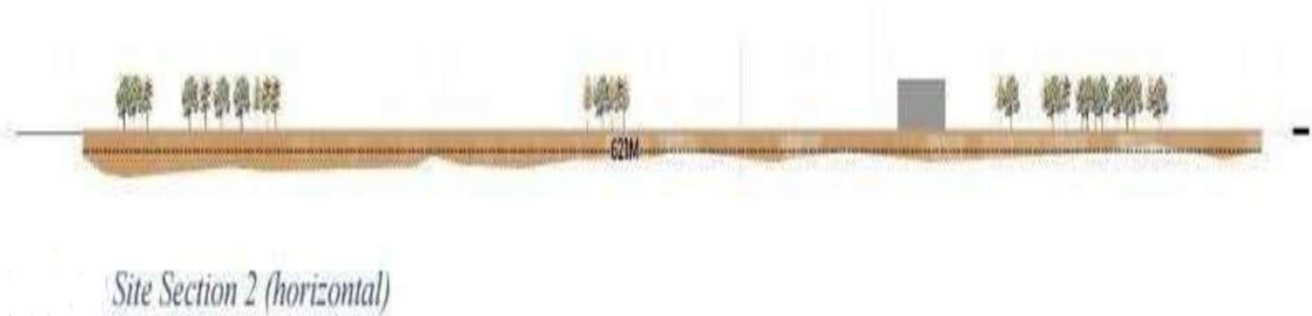


Fig 1 ROAD SECTION OF THE ROAD INFRONT OF SITE

Fig 1 explains the road section in front of the road the site. The service road through which our site is accessible is a road which isn't a busy road and this is the side which has the main face of the site thus this road is suitable for provision of the entries and exits.



The above site section is a longitudinal section of the site. The section shows the relation of the site with the road in front and also shows the relation of the selected site with the lake complex on the rear side of the site. The part circled and highlighted is the road section that is shown above in figure 1



ELECTRICITY SOURCE

The main electricity source in the nearby region is NOIDA POWER COMPANY LIMITED which is located in the proximity to site in the nearby areas. We can see that illustrated in the site context diagram

DRAINAGE PATH

The drain pipes are being laid in the current scenario on the right side of the site which is depicted in the site analysis diagram below. Thus, this will be taken into consideration while laying out the sewage path of the site.

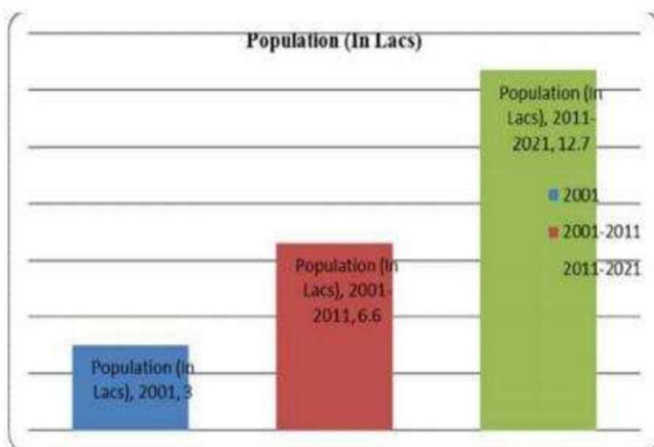


DRAINAGE PATH 1



DRAINAGE PATH 2

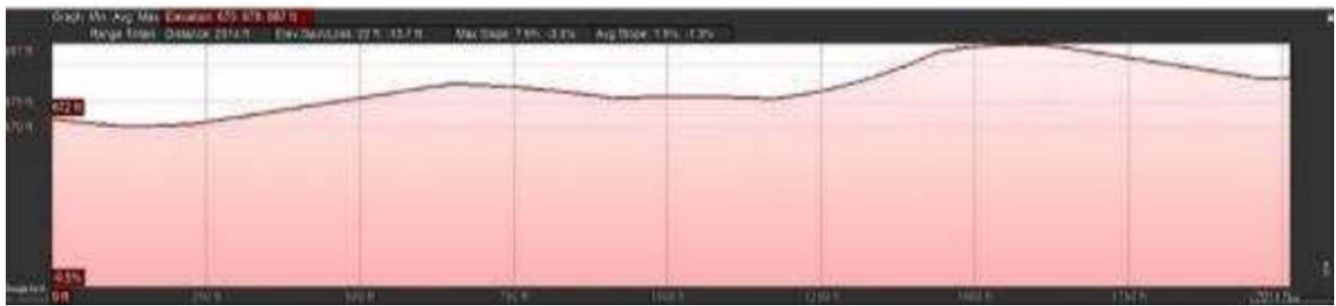
POPULATION



The current population of Greater noida according to Demographics and census is 12 lacs. While in 2001 we can see That the population was just About 3 lacs. Thus, we can Analyze with the help of theGiven table that the Population is rising in Multiples

Thus, the provisions of functions while designing need to be considered keeping this factor in mind. Moreover, the target population is not just the people of greater Noida we are also focusing towards tourist attraction in the design that means that the 15 lakhs population of Noida at least must also be taken into consideration while designing the city center.

ELEVATION PROFILE



By inspecting the elevation profile of the site, we can determine that the site topography is nearly plain

The type of soil generally found in Greater Noida is Alluvial soil



FRONT VIEW OF THE SITE FACING SERENE RESIDENCY AND MIGSUN ILLAGE



SERVICE ROAD RUNNING ON THE RIGHT SIDE OF THE SITE

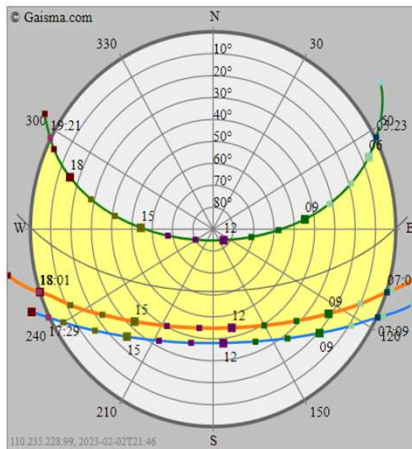


DEPOT METRO STATION AND MNRC STAFF QUARTERS



PARK AT THE BACK SIDE OF THE SITE

SUNPATH



Sun path

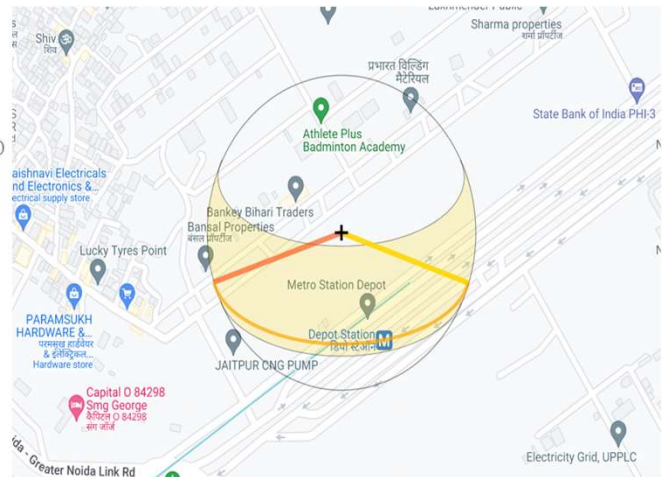
- June solstice
- December solstice
- Annual variation
- Equinox (March and September)

Sunrise/sunset

- Sunrise
- Sunset

Time

- 00-02
- 03-05
- 06-08
- 09-11
- 12-14
- 15-17
- 18-20
- 21-23



DESIGN CONSIDERATION

The design aims at connecting the different typologies through nodes and also creating a barrier free movement throughout the design. And use of piezoelectricity tiles to capture the wasted energy and resources, and store or redistribute them where they are needed. Energy is generated when a person steps on tiles that feature piezoelectric attributes. The amount of energy generated depends upon the weight of the person, maximum deflection, and type of movement. This kinetic energy is converted into electricity.

Effective Design Considerations for Composite Climate

Building Orientation

The building should be located preferably in the North-East and South-West direction. This helps in receiving less radiation and more natural light & ventilation.

Form and Planning

The building must be compact and low-rise. Buildings with a courtyard are more suitable. A moderately compact internal planning of the house is going to be of benefit for many of the year. Buildings should be grouped to take advantage of the prevailing breezes during the short period when air movement is important.

Advanced Passive Cooling Systems

Passive cooling systems believe in natural heat-sinks to get rid of heat from the building. These systems achieve cooling from either evaporation, convection, and radiation without using any mechanical device.

Courtyard effects

Due to the incident of radiation in a courtyard, the air gets warmer and rises. Cool air from the bottom level flows through the louvered openings of rooms surrounding a courtyard, thus producing air flows. At night, the nice and cozy roof surfaces get cooled by convection and radiation.

STRENGTH



STRENGTH

The City is harmonized hub spot of IT hub where various company's of different Sector's work

WEEKNESS



Lack of investment in infrastructure
Heavy dependence on government funding

OPPORTUNITY



Fully establish IT hub and residential area's

THREATS



Marketing techniques by developers may promote details which are irrelevant to investors or buyers
High growth in number of IT hub may focus on profit making rather than quality Construction

SALT LAKE CITY CENTRE, KOLKTA CASE STUDE(DEAD 01)

INTRODUCTION

The City Centre in Kolkata is a very special place. a microcosm of the whole metropolis, catering to multiple land-uses and diverse income profiles a kaleidoscope of contrast, color and energy. We have in the City Centre a wide range of different-sized residences, entertainment centers, offices and shops- varying from the smallest 'dukaans' to the most glamorous air-conditioned boutiques and large department stores. These multifarious activities, all arranged in a fine-grained mix, are generated by a complex system of spaces...from broad colonnaded public arcades to narrow bazar 'galis' to large terraced plazas...culminating in the kund in the center of the complex. Coffee shops and restaurants, strategically placed at pivotal locations, provide opportunities to rest under wide-spreading trees and observe the world around you...a marvelous tradition, which has always been essential to life in the great city of Kolkata

- PROJECT NAME: CITY CENTRE
- LOCATION: SALT LAKE CITY, KOLKATA
- COUNTRY: INDIA
- AREA: 50, 400 Sq. Mt
- ARCHITECT: CHARLES MARK CORRIE
- CLIENT: KOLKATA MUNICIPAL CORPORATION
- CAPACITY: 250 pax.
- DATE OF COMPLETION- 2004



- Bidhannagar as it is popularly called, is a planned satellite town in the indian state of west bengal
- It was developed between 1958 and 1965 to accommodate the burgeoning population of kolkata, the state capital.
- At the 2011 census, bidhannagar city had a population of 218,323 (males 171,363; Females 106,960) in an area of approximately 13.16 square km with a density of about 16,590 persons per square kilometer
- The city has the second-highest proportion of graduates in the country (30.6 per cent)

ESSENCE OF KOLKATA



ESSENCE OF CONVENTIONAL
INDIAN SHOPPING MARKETS



BUILT FORM



PUBLIC SPACE
+INTERRELATIONSHIP OF
DIVERSE ACTIVITIES



OPEN CLUSTERED PLANNING



MIXED USE



COMMERCIAL+ CULTURAL
+SOCIAL AURA

SECURITY

LANDSCAPED
GARDEN

WASTE
MANAGEMENT

RAIN WATER
HARVESTING

STREET LIGHT

COVERED CAR
PARKING

ELECTRICITY



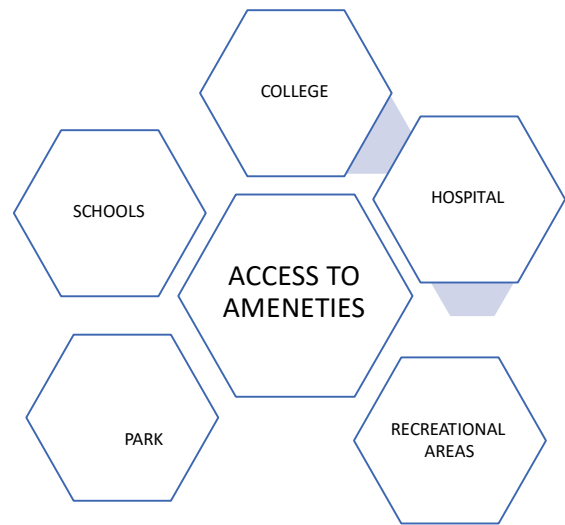
AMENITIES

- This project hosts all amenities and utilities that a contemporary property buyer as well as the public visitor would aspire to have within a commercial complex which are thoughtfully arranged.
- City Centre comprises of Residential Plots of different dimensions City Centre floor plan enables best utilization of the space.
- From stylish flooring to spacious balconies, standard kitchen size and high-quality fixtures, every little detail here give it an attractive look.
- The master plan of this project includes many facilities that collectively guarantee a hassle-free lifestyle



At Salt Lake City Centre, Correa has kept the air conditioned spaces deeper inside so that what greets the visitor is always the embrace of open space and penetrable built form which pulls you in

The Royal Bengal Room Total Area: 6500 sq.ft. Dining Hall: 2000 sq.ft. Pre function area: 1500 sq.ft.
Kitchen area: 1500 sq.ft.



Inox, India's largest multiplex chain has a four screen multiplex at City Centre Salt Lake with seating capacity for more than 1000. The City Centre Inox is one of the best performing multiplexes of the chain.

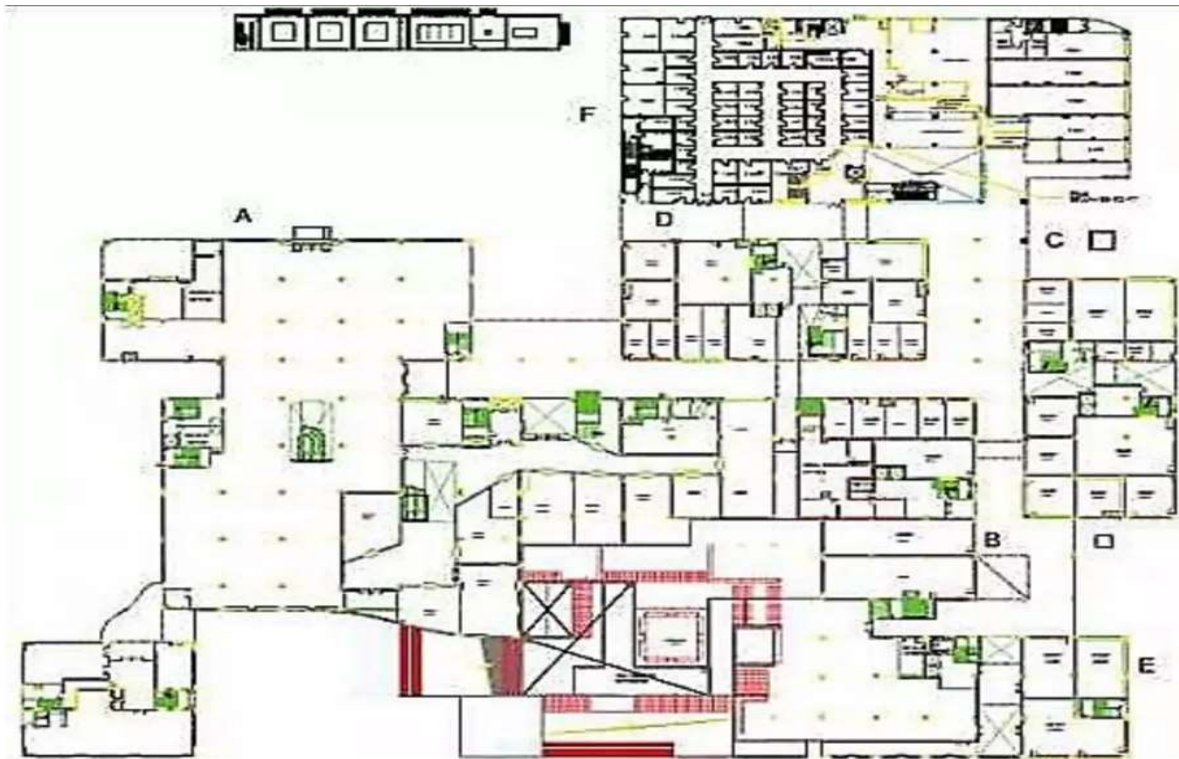
A down-to-earth adda place and a highly informal 'time pass' idea at the City Centre, where tea is a welcome cup of steaming chai, and the snacks are no-nonsense samosas, vadas and small munchies. You can sit on tea chests and watch the world go by, as you rest

There is a horse-drawn Kolkata tram car dating back to 1880 which is a celebration of Kolkata's heritage and love. It evokes in the hearts of Kolkatans a great sense of nostalgia and reminds one of the history of 'The City of Joy,' Great care has been taken in the restoration process, to retain the romanticism of a bygone era.

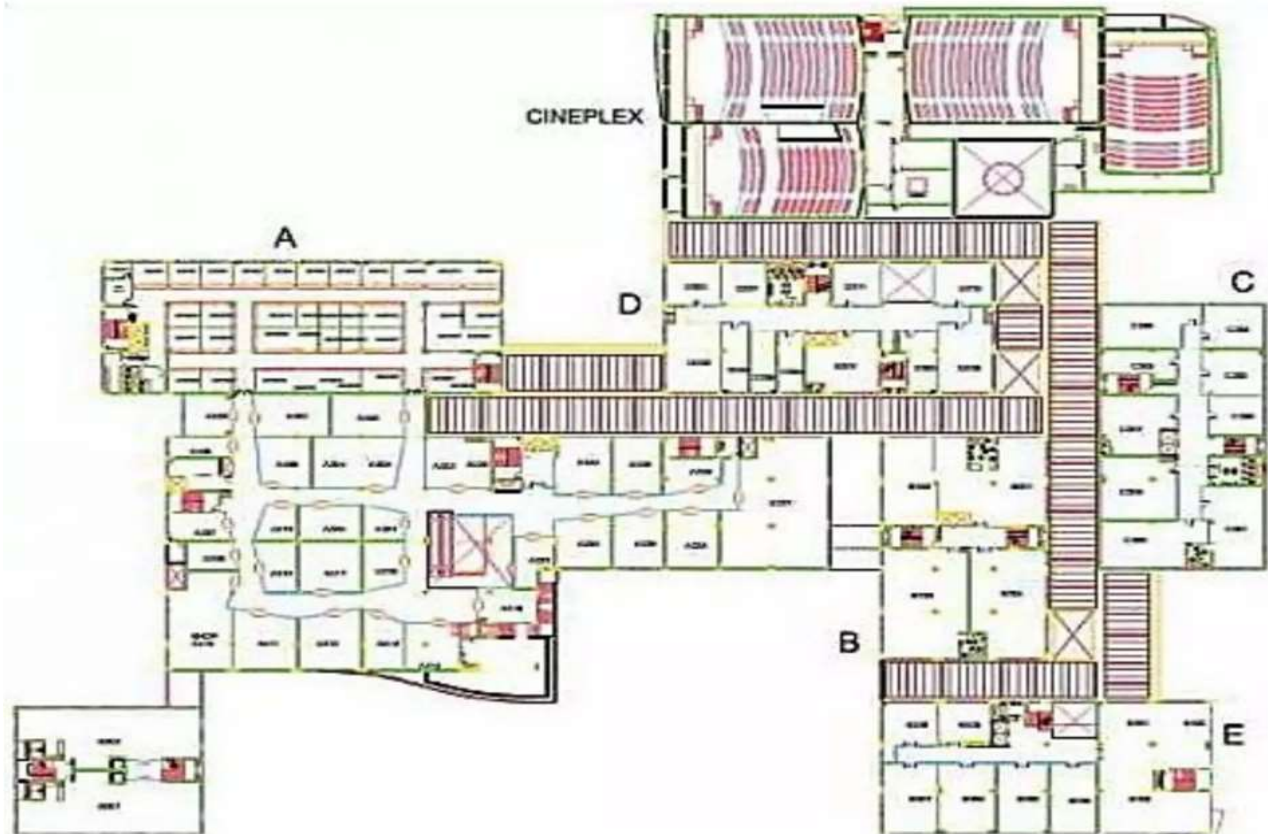
Besides the car parking facility provided within the complex, there is additional parking space available on the periphery. Parking is handled by a professional group appointed and controlled by City Centre Management.

These are the crucial nerve points of City Centre. From the henna stall that started with wedding crowds in mind to the 'jhalmuriwala' and the Chinese food takeaway counter, from corn stalls and ice-cream outlets, the special kiosks at City Centre rub shoulders with their better known cousins.

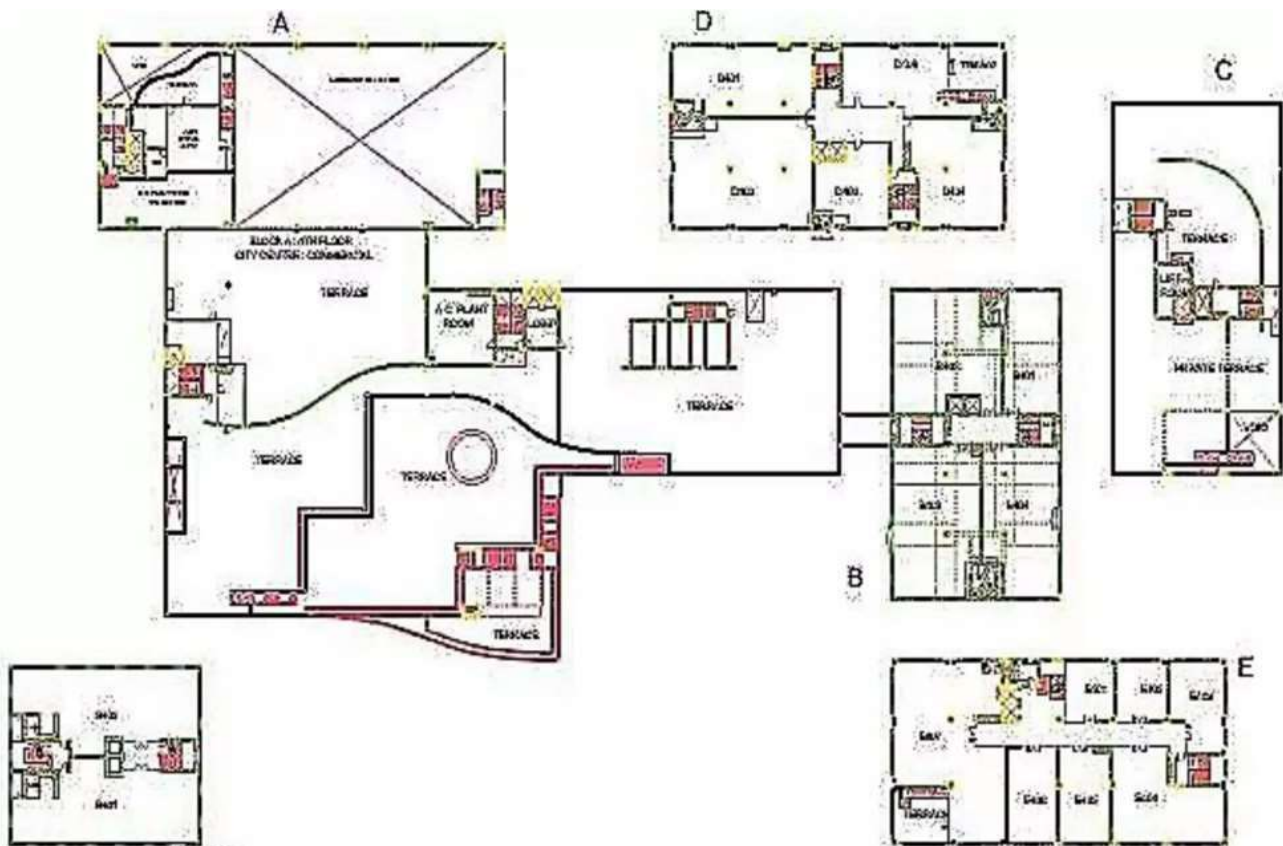
It is an open banqueting space above Hangout at City Centre, Salt Lake. Total area: 4000 sq.ft Capacity: 250 pax



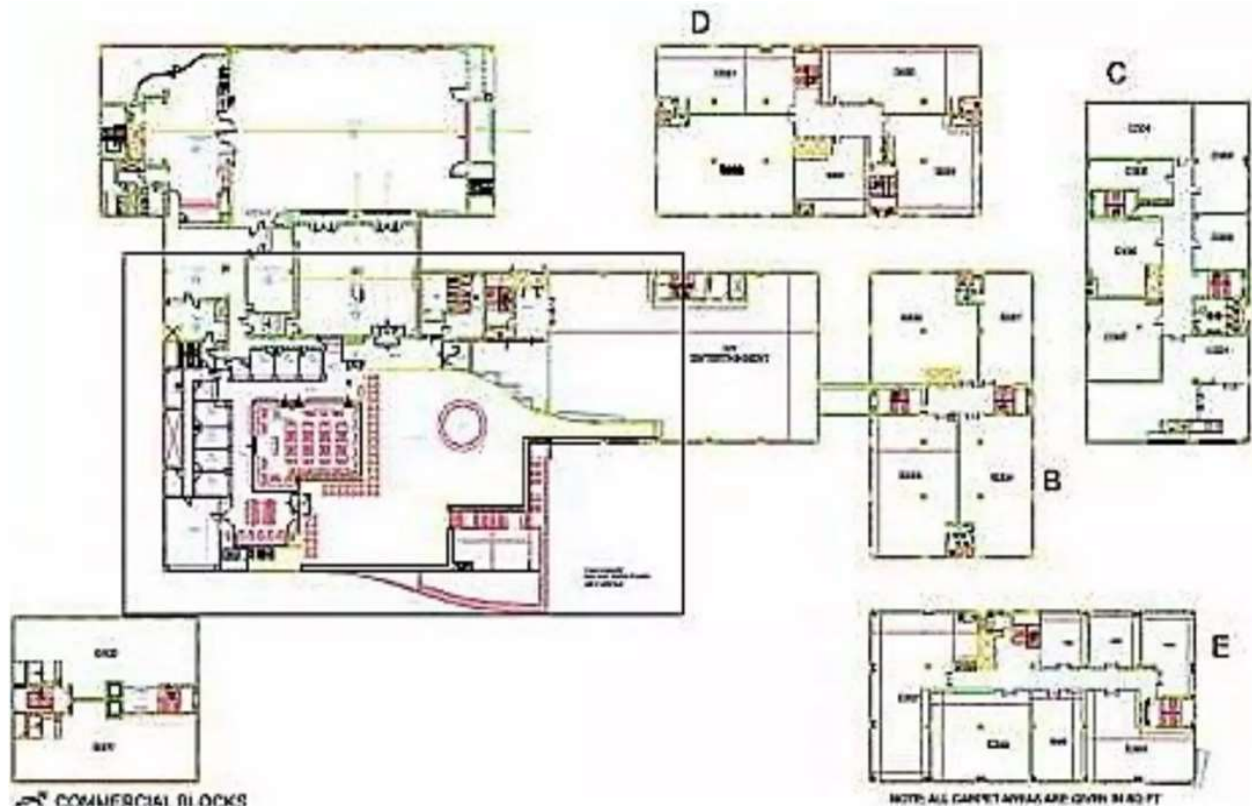
GROUND FLOOR PLAN



FIRST FLOOR PLAN



THIRD FLOOR PLAN



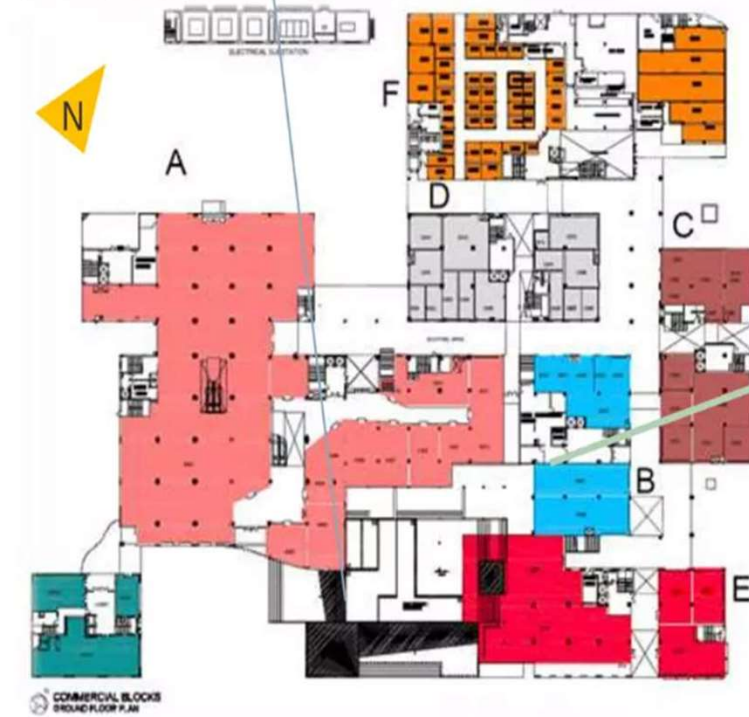


PLAZA, PUBLIC



MINIMILISM, COLORS

KUND / PUBLIC PLAZA



BUILT FORM

BUILDING FORM



- SITE PLAN AND ITS ORGANIZATION

Clustered organization relies on physical proximity to relate its spaces to one another.

often consists of repetitive, cellular spaces having similar functions and share a common visual trait such as shape or orientation

- CIRCULATION PATTERN

Parametric vehicular movement for parking and movement through.

Parking is distributed throughout the site to enhance the all utility area of site.

Pedestrian movement at random natural movement inside project.

- CLUBBING OF VARIOUS ACTIVITIES.

The close proximity of forms.

Various activities are club by means of corridors, plazas.

- SPATIAL DISTRIBUTION OF HIERARCHY

Connection between court to aside activities Informal nodes in between corridor Creating interest in junction jokes.

Corridor are covered with pergola with polycarbonated sheet to provide diffuse light inside

- STUDY OF OPEN SPACES

Open spaces are merged with whole composition

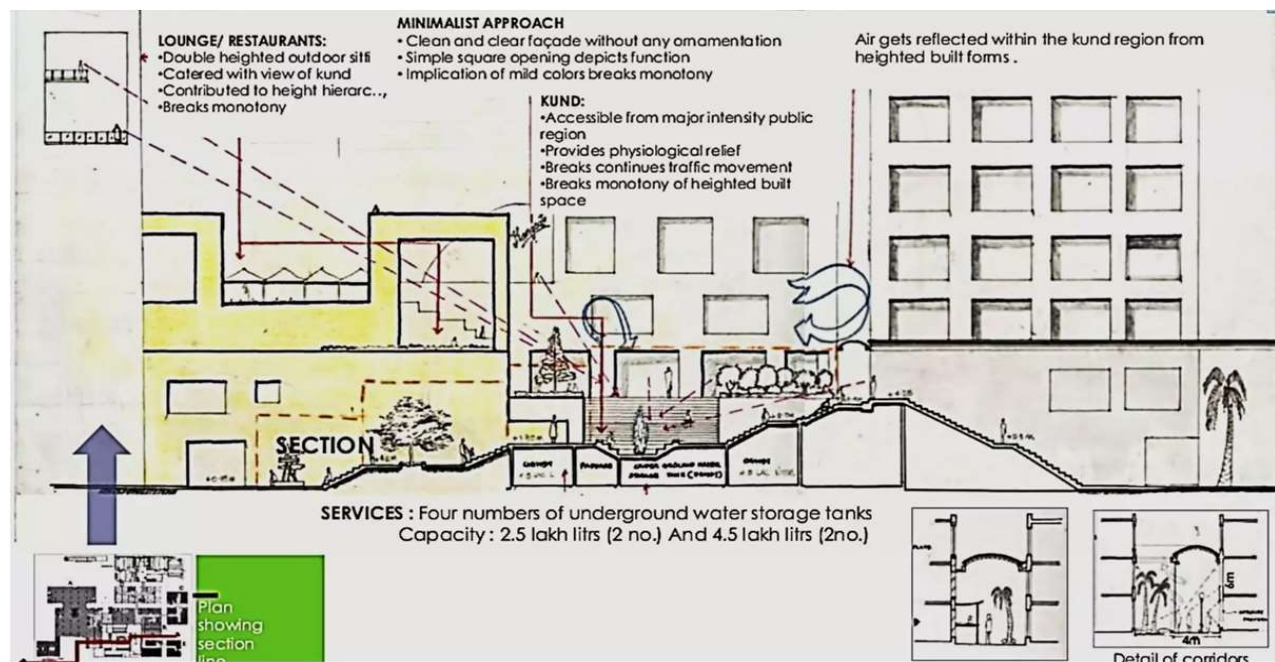
Activities surrounding focused with the open space in between with Kund at entrance.

- LINKAGE ELEMENTS / SPACES/ BREAKOUTAREAS

Connecting corridors specially hidden line between outer streets towards inside.

Its inclusiveness for one. With no boundaries to separate it from the street, I t is open to everyone at income and age groups. Material used for pavement of mail resembles the street.

* Tree placement in pathways and light arrangement.



• STUDY OF SHADOW PATTERN

The play with light and shadow is entertained by people at different time and different sense of spaces.

As plaza is interconnecting element the activity performed in this place imparts much leisure.

The shopping with entertainment concept of shoppertalement.

• CIRCULATION PATTERN

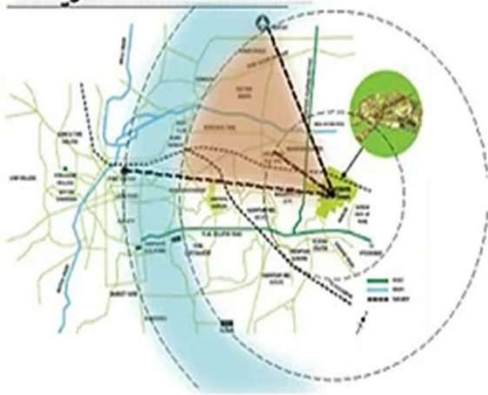
Parametric vehicular movement for parking and movement through.

Parking is distributed throughout the site to enhance the all utility area of site.

Pedestrian movement at random natural movement inside project.

AMANORA TOWN CENTRE, PUNE CASE STUDE(DEAD 02)

Linkages and Connectivities



AMANORA MALL-CASE STUDY 1

AMANORA MALL REPRESENTS A MINOR REGIONAL CENTRE LOCATED IN HADAPSAR SPREAD ACROSS 49 ACRE SET ACCORDING TO WORLD CLASS STANDARDS, IT IS DESTINATED TO BE THE RETAIL AND CULTURAL EPICENTER OF PUNE.

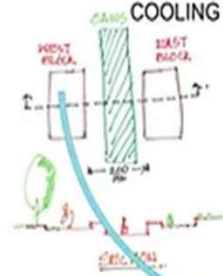
THE PURPOSE OF THIS CASE STUDY IS MULTI FOLD:

- FIRSTLY, TO PROVIDE A PROFILE OF THE CENTRE UNDER INVESTIGATION AND ITS LOCATION IN RELATION TO SURROUNDING SUPPLY AND SERVICES;
- SECONDLY, TO UNDERSTAND THE PUBLIC REALM, PUBLIC SPACES, URBAN FABRIC, URBAN GRAIN AND THE FUNCTIONING OF IT.

DISTANCE BETWEEN ISBT AND AMANORA IS APPROX 19 KMS.
DISTANCE BETWEEN DOMESTIC AIRPORT AND AMANORA 11 KMS.

INNOVATIVE AND UNIQUE STRUCTURE HAS BEEN DESIGNED WHILE PLANNING KEPT IN VIEW THE CHARACTER OF PUNE, BOTH IN TERMS OF WEATHER CONDITIONS AND SHOPPING AND DINING HABITS. PERSON VISITING ATC IS CERTAIN TO ENJOY AN OUTDOOR STREET LAYOUT WITH PLACEMENT OF WATER BODIES FOR NATURAL COOLING BY THE PREDOMINANT WEST TO EAST WIND FLOWS

Amanora- City Plan



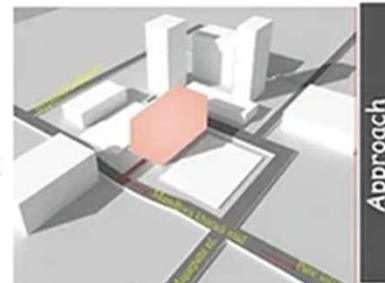
TOWN CENTER'S STRIKING ARCHITECTURE AND RETAIL DESIGN CONSISTS OF TWO DISTINCT BLOCKS, WITH A TACTICALLY PLACED LANDSCAPE OASIS IN BETWEEN.

-OASIS- LUSH GREEN SPACE WITH WATER BODIES

-PROMENADE-THE PROMENADE IS AN OPEN-TO-SKY STREET THAT LEADS SHOPPERS FROM ONE BLOCK TO ANOTHER AND GIVES THE SENSE OF COMBINATION A STREET MARKET, LINED WITH SPECIALTY AND MAINSTREAM STORES ON EITHER SIDE.

-ARENA-THE ARENA IS LOCATED IN THE EAST BLOCK AND IS THE ENTERTAINMENT EPICENTRE OF TOWN CENTRE AMANORA.

THE SOIL IN THE DECCAN PLATEAU IS MADE UP OF BLACK



CENTRE TYPE
LOCATION
DATE OF DEVELOPMENT
NO OF SHOPS
NO OF FLOORS
NO OF PARKING
CAPACITY
NO OF PEOPLE
TIMINGS

CENTRE TYPE	-MINOR REGIONAL CENTRE
LOCATION	-ON KHARADI BYPASS ROAD, HADAPSAR, PUNE.
DATE OF DEVELOPMENT	2011
NO OF SHOPS	-280 SHOPS
NO OF FLOORS	-THE MALL HAS FOUR FLOORS (LG+G+2)
NO OF PARKING CAPACITY	-2500 CARS MULTI-LEVEL CAR PARKING AND 3000 TWO WHEELER PARKING
NO OF PEOPLE	2.538 MILLION (2001) PUNE
TIMINGS	11 AM TO 12 AM

SITE ACCESSIBILITY

Airport- 6 Km

Katraj bus stand -10 km

Khirki masjid- 15km Saket

place- 200M Road 3.5 Kms

M.G. Road 5 Kms Koregaon

Park 3 kms

SITE AREA ANALYSIS

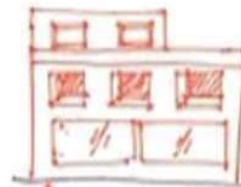
Total site Area-59,171.5 sq m Built Up Area -150884 sq m Total site Area-59,171.5 sq Total floor area - 2,06,165 Sq m Land Use – Commercial
Height of structure - 19m
Ground coverage - 31674.05 sq m

Types of parking-
 East-basement, West-multi
 level car parking Distribution
 of parking- Rectilinear (H
 and V) Service lane- 12M
 Width
 Service parking-15
 Trucks loading/un . No
 of staff car parking -400
 cars
 No of parking-
 1300(E)+1200(W) cars
 No of 2 wheelar-3000

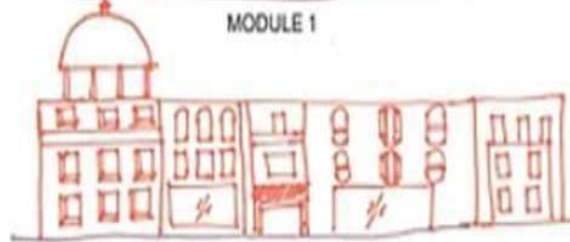


FACADE MATRIX ANALYSIS

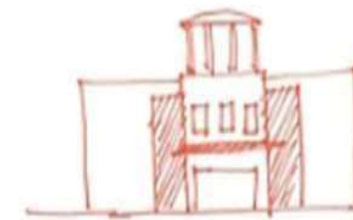
STRUCTURE INFLUENCES SPACE



-THE WINDOW TYPE THAT
 MODIFIED HORIZONTALLY AND
 VERTICALLY ACCORDING TO THE
 IMAGINATION OF THE DESIGNER.



-PIERCED FACADE:
 THE LOWEST LEVEL IS MORE
 GENEROUSLY GLAZED IN SKETCH,
 REDUCING THE SOLID



-FACELESS MODULAR FACADE AS
 A THEORITICAL(ABSTRACT) WAY
 IN WHICH THE BUILDING MUST BE
 ENCLOSED. THE MODULAR
 FACADE CAN BE ADOPTED TO ALL
 VARIATIONS IN THE SHAPE OF
 THE BUILDING.



GROUND FLOOR PLAN



20 SHOPS FACING STREET
 FOOD COURT FACING OASIS
 25 STAIRS- 45M C/C
 ESCALATOR-2
 10 M WIDTH STREET
 SERVICE STAIR-2M WIDTH(5)
 AHU ROOM(5)3.5X3M
 ELECTRICAL ROOM3X3M
 12/9 M SERVICE ROAD
 WATER CANAL-12MX4M DEPTH
 ENTRANCE -10M WIDTH



ZONING PLAN WEST BLOCK

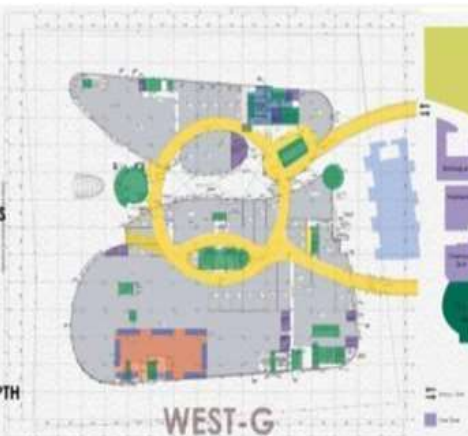


- SERVICES
- VERTICAL CIRCULATION
- HORIZONTAL CIRCULATION
- STORES AND FOOD SHOP
- FIRE STATION
- DG PANEL ROOM
- DRY-WET GARBAGE ROOM
- TRANSFORMER
- LOADING/UNLOADING SERVICES
- RAMP/SERVICE ROUTE

FIRST FLOOR PLAN

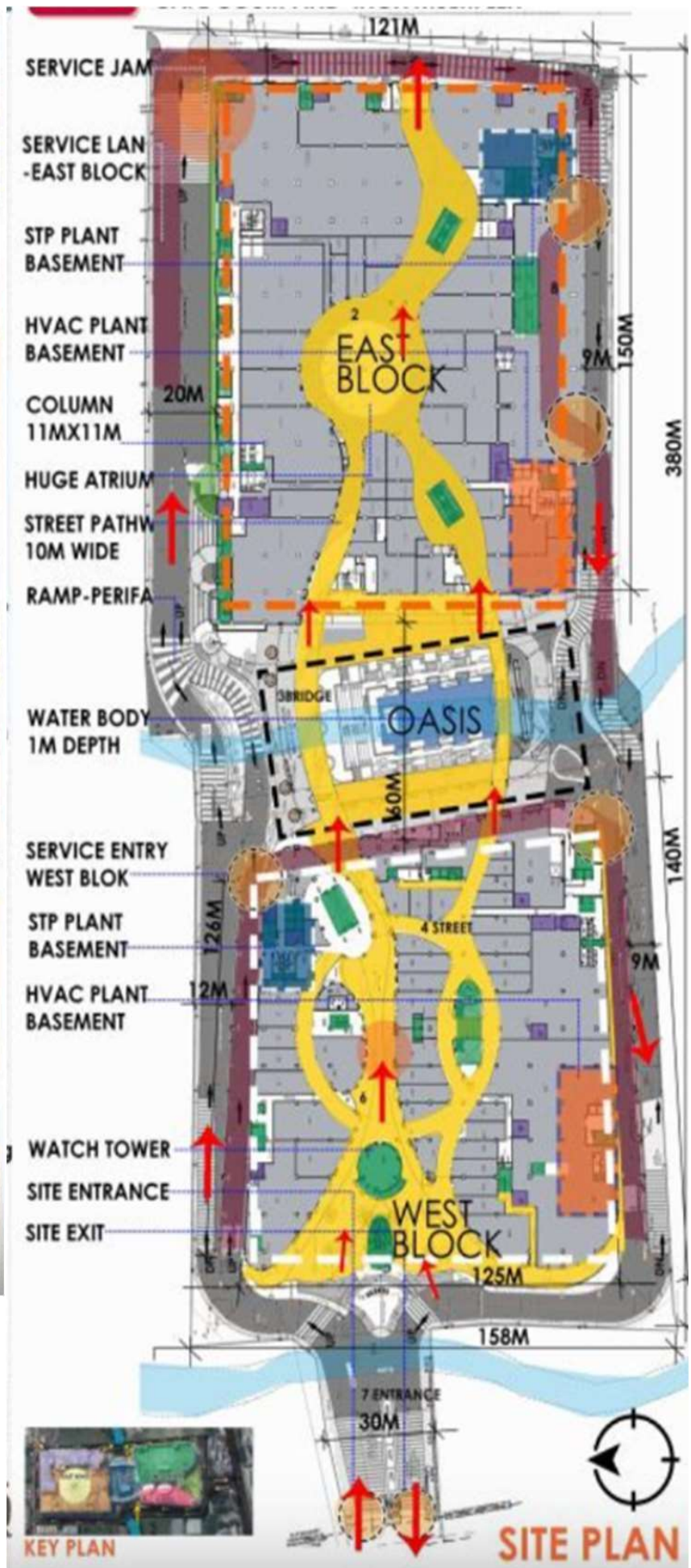


20 SHOPS FACING STREET
 FOOD COURT FACING OASIS
 1 STAIRS
 ESCALATOR-2
 9M WIDTH STREET
 SERVICE STAIR-2M WIDTH(5)
 AHU ROOM(5)3.5X3M
 ELECTRICAL ROOM3X3M
 12 M SERVICE ROAD
 WATER CANAL-12MX4M DEPTH
 ENTRANCE -10M WIDTH



ZONING PLAN WEST BLOCK





CONCEPT AND DESIGN STRATEGY

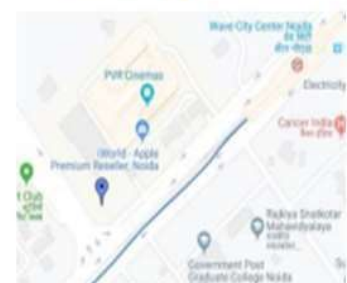
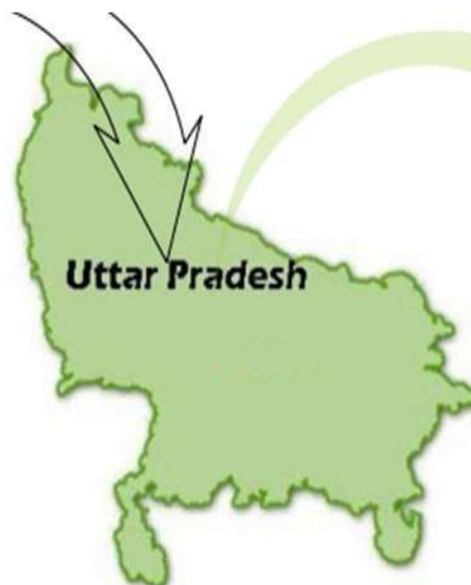
The Planning of the Amanora Town Is divided into 3 ZONES EAST BLOK, WEST BLOK OASIS, East and West block are connected Through Bridges and street networking, Oasis act as core element All food zones vertically are connected to the Oasis view jaipur style of chateries and jharokas are clubbed up with western style and Indian style of street marketing With the core of the City Open Closed spaces plays vital role to connect people

LOGIX CITY CENTRE, NOIDA CASE STUDE(LIVE 01)

❑INTRODUCTION

All stores, restaurants, cinemas, entertainment, cafes, brands, offers, events, sales at Logix City Centre Noida. Setting a new benchmark for commercial projects in NCR, Logix City Center is one of the first mixed - use commercial projects planned in the heart of Noida city. Strategically located at the City Centre in Sector 32 this is designed to offer an incredible amalgamation of shopping, entertainment, business and hospitality. Envisioned for a brighter tomorrow, the landmark development epitomizes and impeccable blend of innovative architecture and breathtaking allure of Mother Nature. Reaching here is incredibly convenient and enjoyable as Logix City Center enjoys wonderful connectivity and transport facilities. Welcome to a world replete with cheers, smiles and celebrations. Spread over 6 acres, Logix City Centre shall have over 7 lac Sqft of retail and entertainment, over 4 lac sqft of premium corporate office towers along with 250 keys

5 Star Deluxe Hotel. Logix brings the largest PVR Entertainment City, India's Biggest Superplex with 15 screens including North India's First PVR Imax& lavish Awe-inspiring Food Court with the best of culinary delights from across the world Casual Dining Restaurants. The shopping experience would include premium national & international brands including fashion department store by Shopper's Stop, Delhi-NCR's first & North India's Largest Hyper CITY. Exclusive "DESTINATION COUTURE" Showcasing Indian & International designers. Reinventing Life Styles The "Destination Couture Section" is designed to epitomize pure elegance. It's an exclusive arena in Logix City Center, showcasing the most fascinating and diverse collections by the designers with unparalleled genius. An incredible attraction for the fashion connoisseurs, it's conceived as a breathtaking fashion spectacle, blending luxury, space and aesthetics. "Come and experience the extravaganza for yourself which will undoubtedly be a feast for your senses"



PROJECT HIGHLIGHT

Destination par excellence Located at the nodal point of Noida City Center planned by Noida Authority.

Great accessibility with roads of 45 and 75 mts on two sides.

Well connected to all parts of Noida, South, East and Central Delhi through road and metro lines.

Proposed Greater Noida metro line connects with Noida at the Sector 32 Metro Station. #20 m green belt on both sides.

This is a prestigious Mixed Use Project in the prime location of Noida in Sector 32, comprising of a 5 Star Hotel, Olympic-size Ice Skating Rink, Retail with Multiplex, 4 Star Hotel, High-end Offices and extensive Recreational and Food Court facilities. The project is spread over an area of 6 acres with a built up area of over 1.5 million sqft.



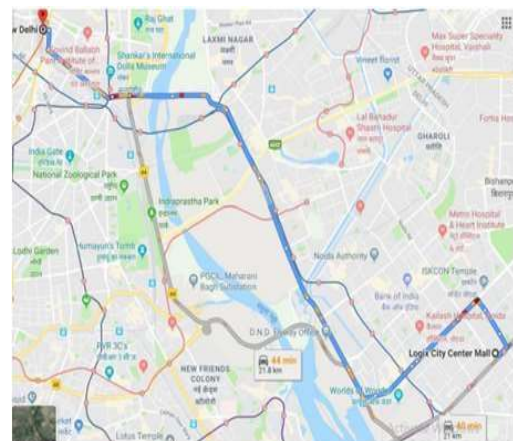
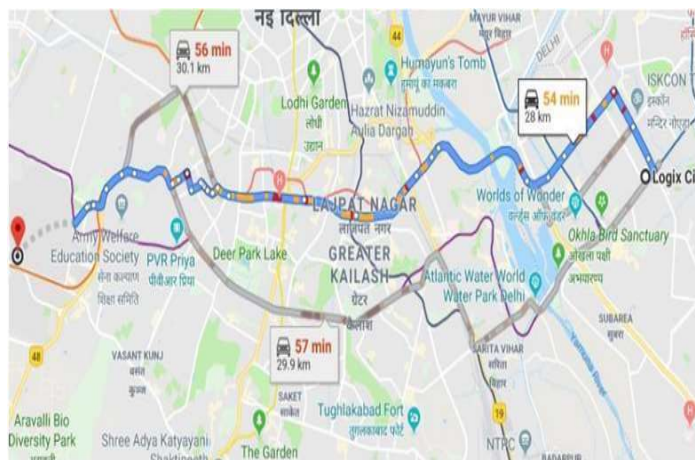
WHY PEOPLE PREFER GOING TO MALL

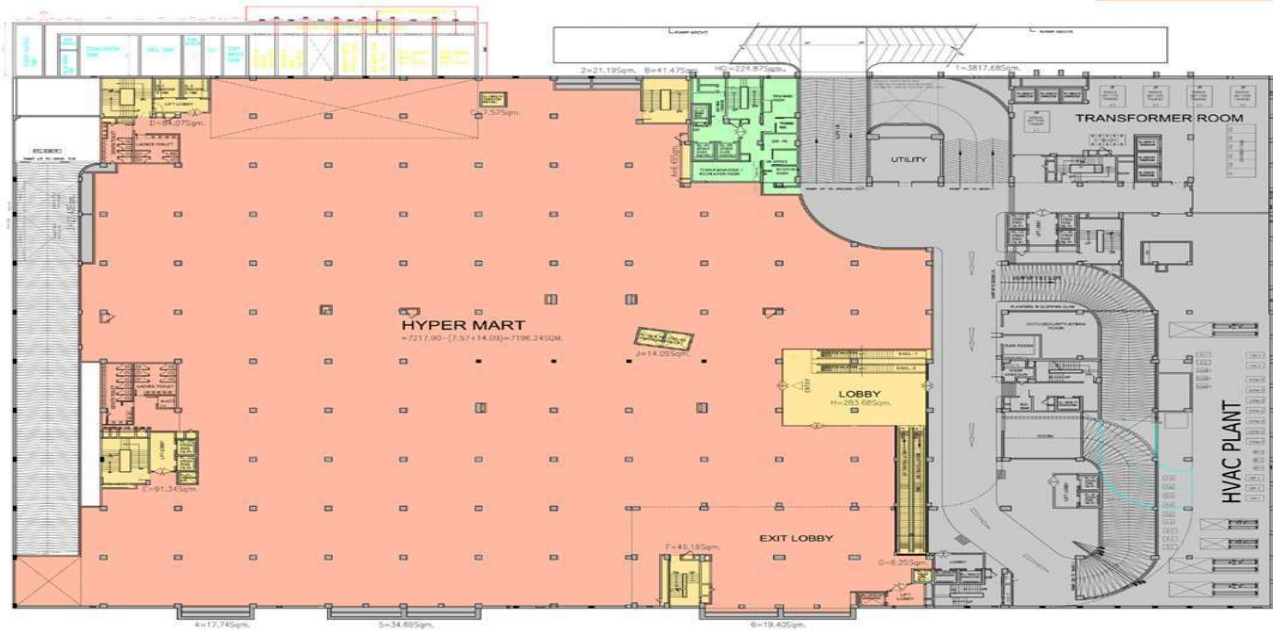
- Malls today are transforming into community spaces bringing to the discerning consumer the best of brands, food, and entertainment.
- They're hubs where people go to rejuvenate, socialize and entertain. They not only provide everything basic and upscale under one roof but also take care of convenience.
- Shopping in the scorching heat or the blistering cold has now been replaced by the option of a climate controlled environment.
- At last malls target every group of people college teens, couples, kids, adults, etc. It is a place for shopping, entertainment, after office hangout places, informal meeting and gathering space, and also a place to relax.

OVERVIEW

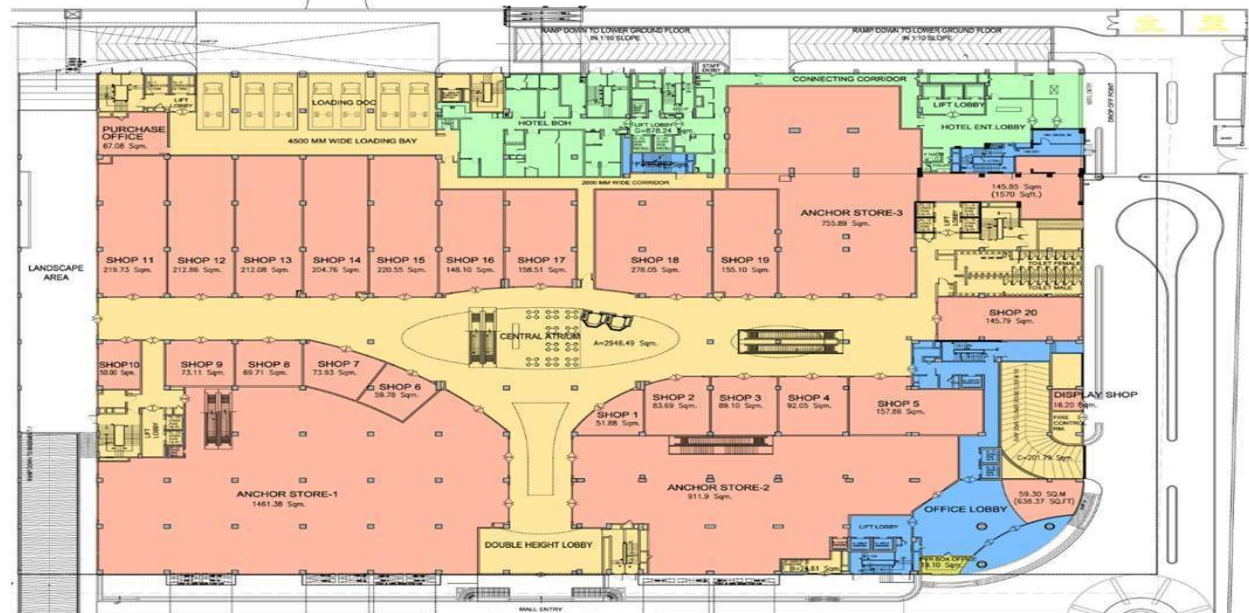
Constructed by the Logix Group, the City Center Mall is a mixed use development spread in an area of 25,000 sq. meters with a 6 lac sq. feet space of mall with an exclusive shopping and entertainment area, 5 star deluxe hotel, corporate offices and serviced apartments. Situated in the heart of Noida at Sector 32, it is one of the most prominently located commercial developments in the CRowing to its easy accessibility via road and as well as the metro. It is a one-stop destination for customers who need to be catered for everyday as well as lifestyle needs. Logix brings the largest PVR Entertainment City, India's Biggest Superplex with 15 screens including PVR IMAX, 4 DX, Play House & Gold attached to a lavish awe-inspiring Food Court with the best of culinary delights from across the world. Covering an annual footfall of 1.4 million.

- North India's largest Gold - 3 screens
- India's FIRST Playhouse
- North India's FIRST Imax
- PVR's FIRST 4DX
- 9 screen Premiere auditorium with recliners, making it the BIGGEST in the Region Besides being the host to one of the most captivating movie experiences in India, it also has one of the largest HyperCity in North India with premium department stores by Shoppers Stop, Iconic and many other reputed national and international brands. With its energy efficient design and professionally managed services Logix City Center is all set to create new benchmarks in shopping and entertainment experience

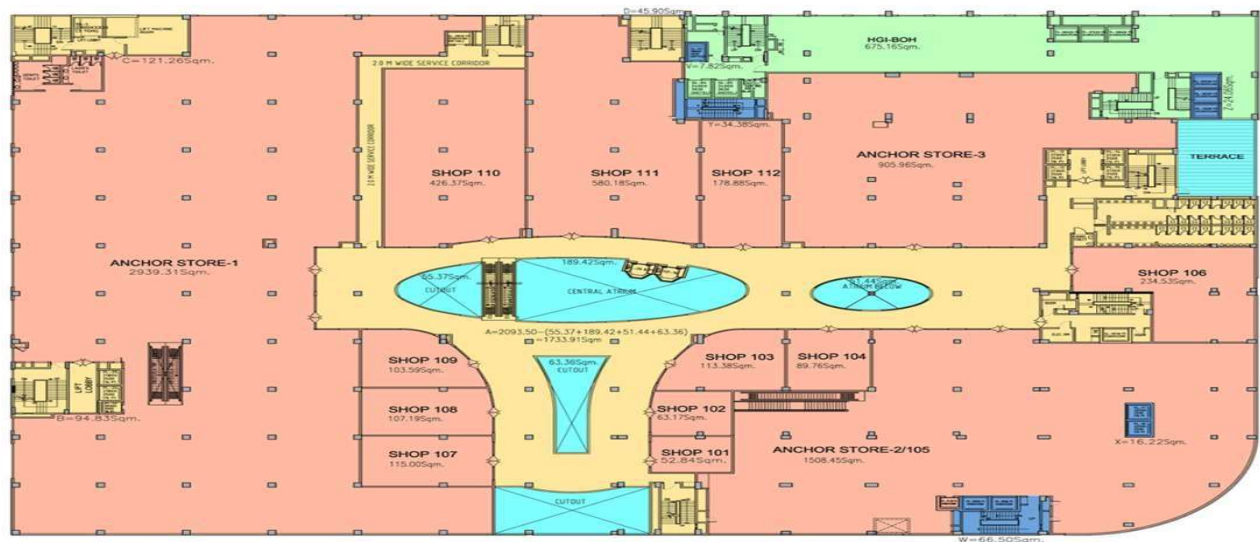




LOWER GROUND FLOOR PLAN



GROUND FLOOR PLAN



FIRST FLOOR PLAN

AMENITIES

- Premium Office Spaces available from 55 sq. meters onwards with very efficient floor plates.
- Grand entrance lobby with separate pick up and drop off for retails and offices.
- Suited for 24*7 operations.
- 3 tier security system.
- Ample branding opportunities.
- Natural light on all sides of the floor
- Connectivity:** Direct connectivity to all parts of Noida and Delhi through the metro line. Walking distance from City Center Metro Station. Next to Noida Bus Stand, at Confluence Zone for Metro extending to Expressway and Noida Extension.
- Mall Property:** State of art Commercial / Corporate office spaces with separate entry for the office tower but providing all facilities like Business Center, Gym, PVR (Asia's Largest).
- Address:** Most coveted office address in NCR with great accessibility with 75 meters. and 45 meters. Road on two sides.
- Operational Building:** Fit outs started for Regus and Operational Mall till 5th Floor with brands like PVR, Hypercity, Shoppers Stop, Pantaloon, Tata Chroma, Reliance Digital and Food Court.
- Excellent View and Surroundings:** 20 meters. green belt on both sides, 6th to 19th floor, equal sized floor plate, right opposite the metro station and 75 meters Road with no high rise structure in the near vicinity.
- Optimum Floor Width and Length:** Highly efficient floor plate of 22,000 sq ft to 25,000 sq ft with provision for dedicated two independent lift core for efficient office planning.



HVAC AND DUCTING

- Total Conditioned area of the mall - 11,36,686f2
- 6 x1000 TRCentrifugal Chillers & 2 x350 TRScrew Chillers.
- COP of centrifugal chiller is 6.3 and Screw Chiller is 6.1
- 1R-134a Refrigerant.
- Water Cooled Centrifugal chiller with magnetic bearing.
- IPLV as low as 0.38KW/TR.
- 20 %Less Energy Consumption.
- Turbocor Compressor.
- AHU's & FCUs-512 Nos.
- FAN- (Cent-190 Nos., Axial-181 Nos.)
- Jet Fan- 327 Nos
- Ducting-35000Sqm.



PARKING

- Parking Space to accommodate
- 1600 Cars
- 500 two-wheelers.
- Special Parking slots for women and physically challenged persons.
- Ventilation Fans Coupled with OOsensors in parking.
- Parking Design is like a Mystery Maze.
- No CLEAR displays of Lift numbers
- Specifically lifts are opened in fire safety exits having very bulky, manless doors to pull.

PARKING FACILITY

- Traffic congestion issues
- Parking slots for Women and specially challenged
- Secure Parking Solutions
- Parking space to accommodate
- 1600 four Wheelers.
- 500 Two Wheelers
- By providing maximum no. of entry & exit for vehicles.
- Will be operational from 2nd phase.
- Parking Design is like a Mystery Maze.
- Ventilation Fans Coupled with OOsensors in parking

FIRE PROTECTION SYSTEM

- Fire safety measures such as sprinklers, smoke detectors, fire hose etc were provided.
- Fire hose were provided after every 30m and near every fire escape. Through cause and effect matrix the mall had achieved next level of automation and integration of life saving systems.
- This has been achieved through effective automation of fire alarm system integrated with other building sub-systems for automatic, time lined operation of life safety systems in case of emergency.

Example

- For example fire is detected fire curtains operate automatically in the open area of mall and provides safe compartment to occupants during fire emergency. Doors automatically gets closed and provides a safe path for evacuation etc.



INFRANCES

POSITIVE

- "Even surrounded by 2 malls and offices near the site, the mall is still being the best of all because of its ZONING, CONCEPT and PLANNING.
- PLANNING is done in such a way that

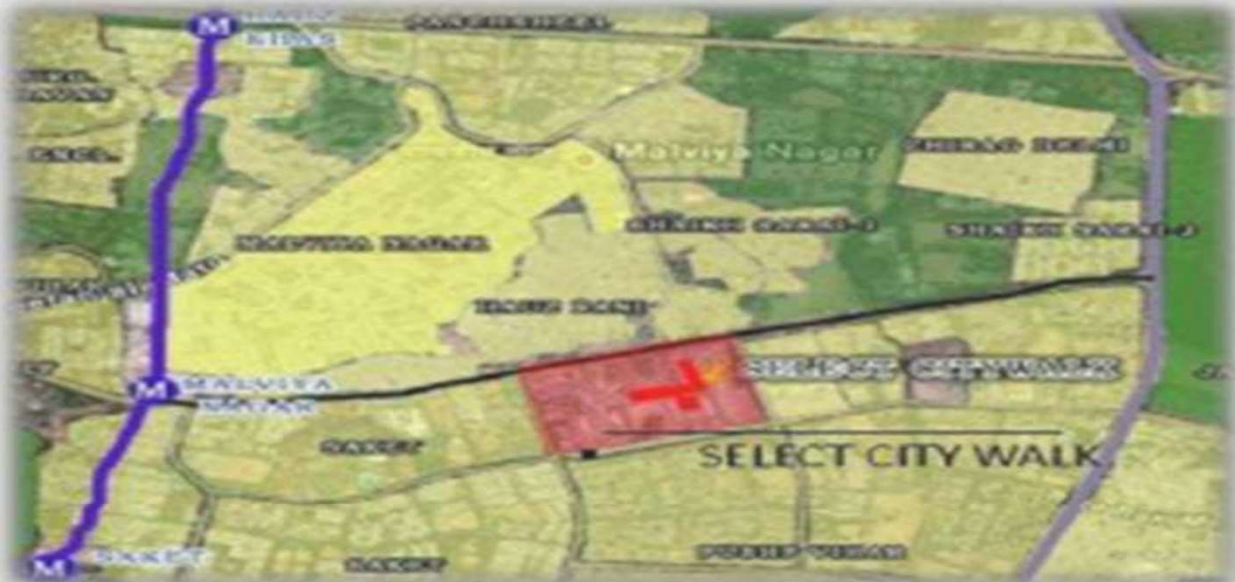
NEGATIVE

- As the mall is having SINGLE ENTERENCE, still the congesting movements of vehicles is being seen.
 - Parking was not clear and was like Mystery maze.
 - No signages for lifts from basement parking..
- To access service lift heavy iron bar on gates was given.

SELECT CITY WALK, DELHI CASE STUDE(LIVE 02)

LOCATION

- **LOCATION:** IT IS LOCATED ON PRESS ENCLAVE MARG, KHIRKI GAON, SAKET
- **ACCESIBILITY:** CAN BE ACCESSED FROM MALVIYA NAGAR METRO STATION, SAKET METRO STATION, KHIRKI GOAN BUS STOP, AND IS ADJACENT TO SAKET DISTRICT COURT.
- **CATCHMENT AREA:** SAKET, MALVIYA NAGAR, GITANJALI ENCLAVE, CHITTARANJAN PARK, GREATER KAILASH, CHIRAG DELHI, PANCHSHEEL, SAINIK FARMS, PUSHP VIHAR, LADO SARAI, OKHLA



KEY PLAN



SITE LAYOUT WITH PLACEMENT OF BUILT MASSES AND OPEN AREAS

	<u>SELECT CITY WALK</u>		<u>LANDSCAPED GREEN AREAS</u>
	<u>DLF MALL</u>		
	<u>OPEN PLAZA</u>		

SITE PLANNING

AN OUTDOOR OPEN AIR PLAZA SAANSKRITI,

STEPS OF A GHAT

THE FREE-STANDING WALLS OF
JANTAR- MANTAR

FOUNTAIN COURT

DRY-FOUNTAIN
COURT

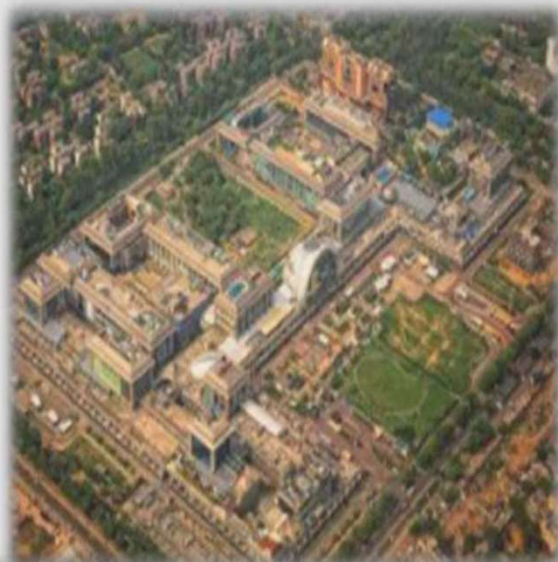


ENTRY

LARGE GREEN SPILLOVER.

EXISTING NATURAL TOPOGRAPHY

BUILT WITH RESPECT TO OPEN SPACES



- SELECT CITYWALK IS POSITIONED AS A CITY-CENTRE , WITH A VIBRANT SHOPPING ENVIRONMENT,
- REFLECTING THE INDIAN MARKET'S GROWING ASPIRATIONS IN A CONTEMPORARY AMBIENCE.

BASIC 3D BLOCK HIGHLIGHTING LANDSCAPED AREA



REAS
TEN

- SELECT CITYWALK IS A 1.3 MILLION SQ. FT. OF UPSCALE URBAN DEVELOPMENT
- COMPRISING OF A SHOPPING CENTRE, CINEMAS, SERVICED APARTMENTS, OFFICES AND LUXURY RETAIL
- 100,000 SQ.FT. THEMED LANDSCAPE PLAZA
- APPROX 2000 CAR PARKS

INTRODUCTION

Select CITYWALK is a 1.3 million sq. ft. air-conditioned, vibrant and upscale destination shopping centre. This is a part of an overall complex of 54 acres that comprises of three floors of office space, India's first Six-Screen, two Gold Class and four Premier Class PVR Cinemas, and approx. 1 lakh sq. ft. of Serviced Apartments. It is centrepiece of 54-acre, well planned business district. It is an interesting hybrid of a European high street and an enclosed shopping mall, with a 240m facade overlooking a 100,000 square foot of outdoor plaza and 4-acre landscaped park. **Select Citywalk** is a premier shopping mall located in the Saket District Centre, in Saket New Delhi. The 85,000 sq m retail development is spread over 6 acres (24,000 sq m) and includes a multiplex, serviced apartments, offices and public spaces.

The mall was developed by Select Infrastructure, a joint venture between the Select group and the Aarone group. It opened to the public in October 2007

OBJECTIVE OF THE CASE STUDY

To understand the services used in a shopping mall. To understand the planning and zoning of the shopping mall.

To understand how a shopping mall attracts more peoples.

To understand the minimum facilities requirement of a shopping mall.

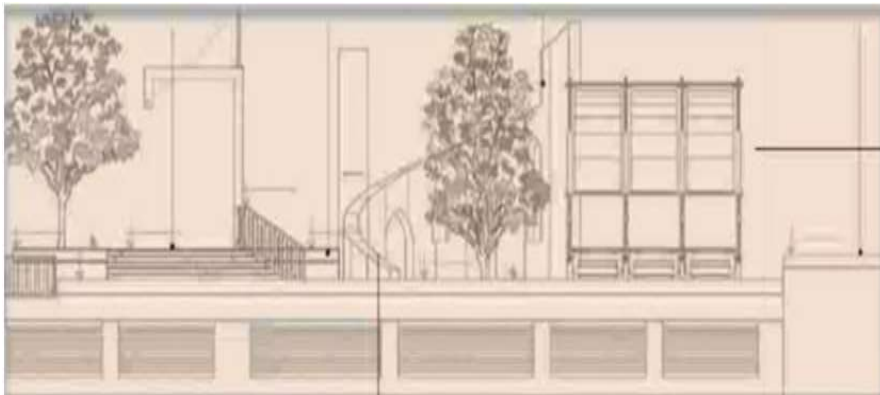
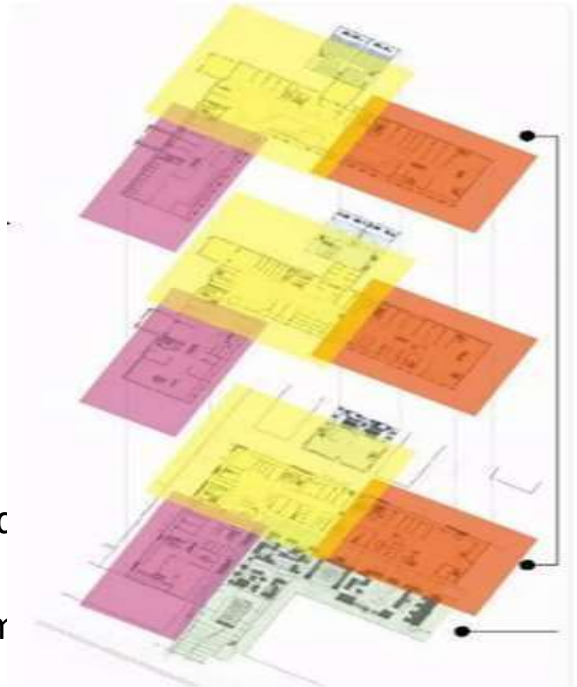


PLANNING CONCEPT

Select citywalk is spread over 6 acres and includes a multiplex, serviced apart offices and public spaces.

The planning of the select citywalk mall is divided into 4 categorization-

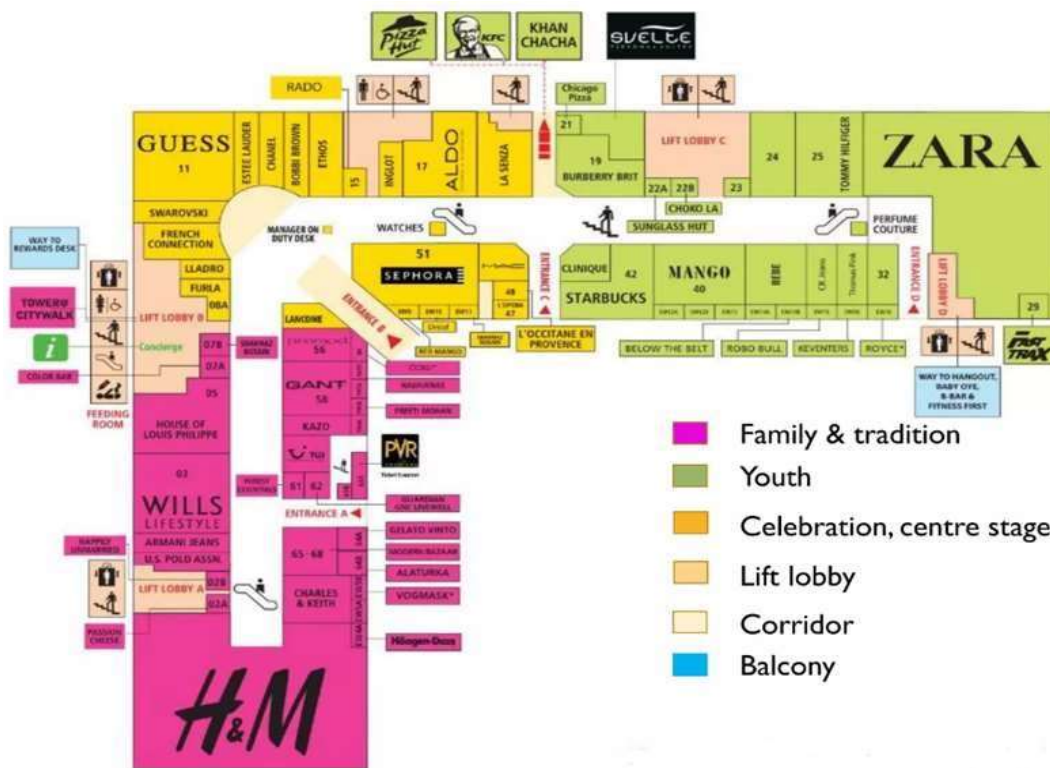
- I. Family & tradition space
- II. 2. Celebration (centre-sage)
- III.3. High-voltage (youth)
- IV.4. Open plaza/ Landscaped area (ground floor)
- V. BUT, the actual planning is different from concept planning



FOUNTAIN PLAYS A VERY IMPOR TANT ROLE IN CATCHING THE EYES OF THE SHOPPERS TO STOP BY IT AND SPEND SOME TIME AROUND IT.

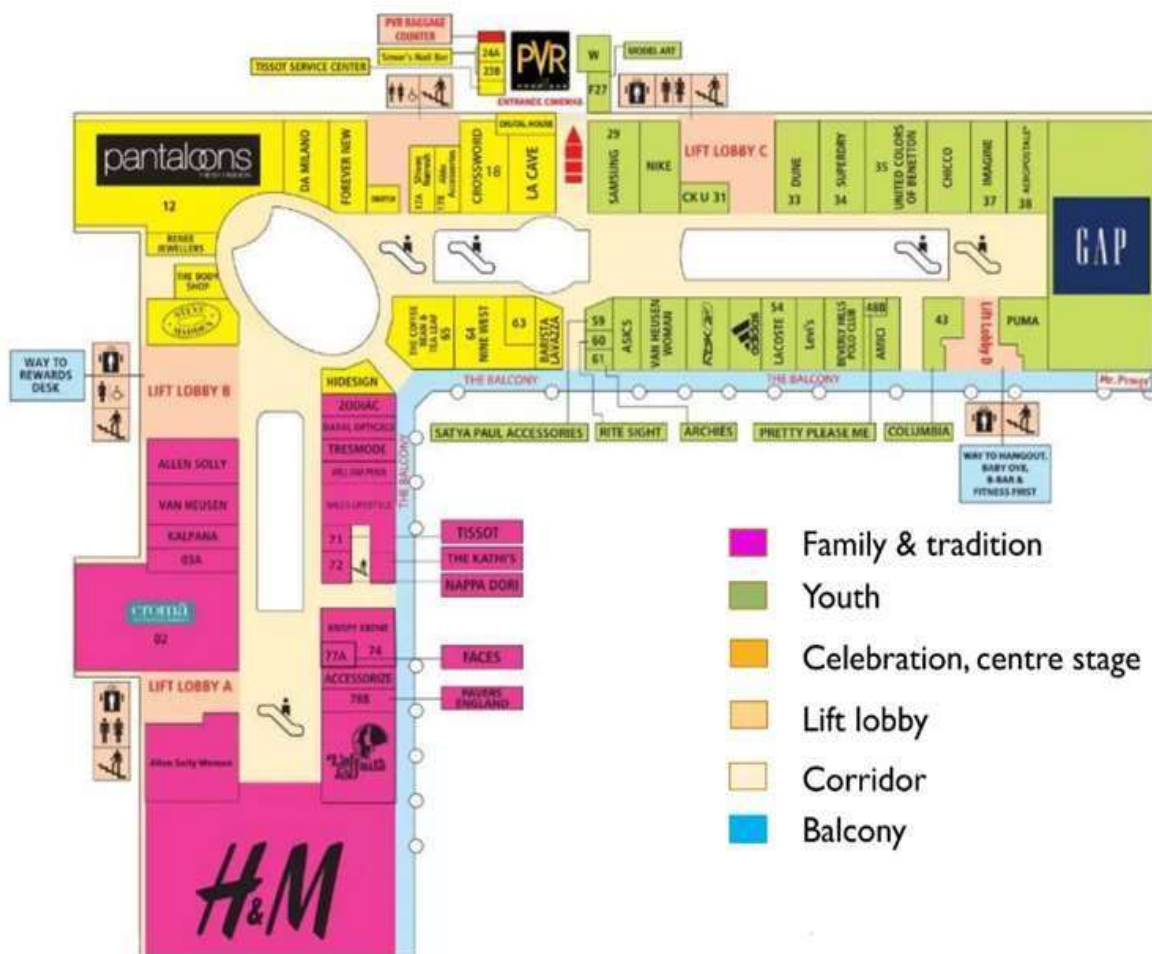


HALF DOME SHAPED STRUCTURE CATHCHES THE ATTRACTION OF VISITORS, WHICH IS VISIBLE FROM THE ROAD



GROUND FLOOR PALN -11378.81 SQM

- 4 LIFT LOBBY
- 2 WASHROOMS
- 1 FEEDING & RESTING ROOM
- 3 ESCALATORS
- ATRIUM AT ENTRANCE
- 4 DIFFERENT ENTRANCES
- AT FRONT SIDE.
- THE PLAZA
- ENTRY FROM REAR SIDE
- 6 STAIRCASES



FIRST FLOOR PLAN -12816.043 SQM

AREA PROGRAM

- Site Area: 6 Acres
- It is centrepiece of 54-acre, well planned business district.
- Basements =41578.5(3 levels)+6075(3 levels) =47653.5 sq.M
- Ground floor =9622.345+ |756.46(multiplex) = 11378.81 Sqm
- First floor = 10803.323+2012.72 (multiplex) =12816.043 sq.M
- Second floor =6568.06 sq.M
- Third floor =2921.226 sqm
- Fourth floor =2776.216 sqm
- Fifth floor =2467.62sqm
- Sixth floor =2268.24 l sqm
- Seventh floor = |948.80 sqm
- Foyer level area in multiplex= 825.29 sq.M
- Total without basements =43970.307 sqm
- OFFICE11%D Total with basements =91623.807 sqm

STORES

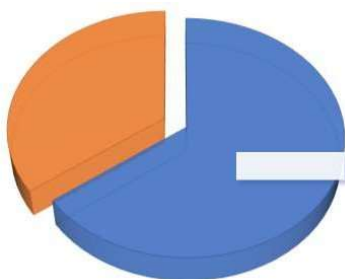
- Area to stores were assigned as per their requirements .
- Floor to floor height-4mStores equipped with fire fighting equipment's
- Internal layouts varies individually .
- Shops area ranges form 50 Sq.m- 1500sq.m



WASHROOM

- There were 2 washrooms present on each floor .
- Each washroom comprises of.5 washbasins
- 6 urinals, 6 cubical, Hand dryer, Handicapped washroom Total Area- 5mx8m

BUILT SPACE:OPEN SPACE



Elevators



Drainage inside corridor



Dustbins and fire safety equipment



Signage in corridor

MULTIPLEX

- THERE ARE 6 SCREENS.
- 2 OF THE 6 ARE GOLD CLASS OTHER 4 SCREENS ARE ABOVE THE GOLD CLASS SCREENS.GOOD POINT IS TICKET COUNTOR IS JUST AT THE ENTRANCE OF THE MALLTICKETS FOR CINEMA CAN BE PURCHASED FROM GROUND FLOOR & FIRST FLOOR.
- THE GROUND FLOOR ENTRY CAN ALSO BE USED FOR GOLD CLASS ENTRY PARKING FOR CINEMA IS SAME AS FOR MALL.
- THE MAIN ENTRY IS THROUGH THE BRIDGE ON THE FIRST FLOOR WHICH CONNECTS MALL AND MULTIPLEX BUILDING.

SERVICES

- 2 entries and 5 fire exits are provided.
- 3 level basement parking is provided . The placement of the entry to the basement is such that it also acts as drop- off without hindering the entry to the basement.
- 3 escalators are provided. Service corridors are also provided at the rear side of city walk.
- A 20 m wide service lance is provided at the rear side which also acts as surface parking.

LANDSCAPE

- Statues & Sculptures were placed all around the landscaping.
- Flooring: Marble, Granite Slabs, Vitrified Tiles.
- Sitting spaces is created all over the landscaped area.
 - Fountains



Basement parking



Ramp within basement, connecting one floor of basement to another.

1200 cars can be parked in 3 different floors of basement at one time.

Basement 1- Offices, Parking for 370 cars, Loading & unloading area, Garbage disposal area
 Basement 2- Parking 470 cars
 Basement 3- Parking 270 cars
 Basement height- 3.5m Grid 6x6m
 BASEMENTS = 41578.5 sq.m (3 LVLS)

There were two separate entries which were connecting to the parking, from ground floor. One was used for general entry of cars & The other was used by service vehicles.



7m wide driveway



Parking to mall entry

Type of parking provided in complex

- Surface parking
- Basement parking



Ramp



Surface parking

Parking provided for office,


Width of ramp 2.5m

Slope of ramp -1:10


Size of bay provided on surface 5x2.5m



Plan showing parking in complex

 Vehicular Circulation

 Service Lane Circulation

 Pedestrian circulation

Parking provided at front for people visiting in mall,

Pedestrian entry

each building is provided with its own parking in order to reduce the chaos in complex .

- Saket district can take the load of traffic but its surrounding area, are not.
- Complex don't have adequate parking for two wheeler,

LITERATURE STUDY

TOPIC	CASE 1- AMANORA TOWN CENTER	CASE 2 - SELECT CITY WALK	CASE 3- ANSAL PLAZA
LOCATION	PUNE	SAKET, DELHI	DELHI
CONNECTIVITY	CONNECTED WITH TO MAJOR MICRO CITIES TRANSPOTRATION SYSTEM- BRTS/ROAD	WELL CONNECTED BY LOCAL BUS/METRO SAKET, ROAD, BUS ,AUTOS	THROUGH LOCAL BUS ROAD NETWORKING 2KM AWAY FROM METRO DELHI
ARCHITECTURAL CHARACTER	POST INDIAN CULTURE IMPRINTS	GEOMETRICAL CONTEMPERORY	GEOMETRIC MINIMALISM
PUBLIC SPACES	GREAT INTERCONNECTED PUBLIC SPACES, STREETS NETWORKING, OASIS CORE PUBLIC PLAZA	URBAN PLAZA, STREETS ON PERIFERY, AND BALCONIES ADJOINING EACHOTHER	AMPHITHEATRE, HUDCO UDHYAN, GARDEN
VEHICULAR MOV.	MOVEMENT ON PERIFARY OF THE SITE	RESTRICTED MOVEMENT INSIDE THE SITE	RESTRICTED MOVEMENT INSIDE THE SITE, MOVEMENT ALONG PERIFARY
PEDESTRAIN MOV.	RANDOM MOVEMENT THROUGH STREETS CONNECTING EVERY STORES AND OASIS	ORGANISED MOVEMENT THROUGH CORRIDOR CONNECTING EVERY STORES AND PUBLIC PLAZA	ORGANISED MOVEMENT THROUGH CORRIDOR ON SINGLE AXIS (NOT INTERCONNECTED)
PARKING	BASEMENT AND MLCP BOTH USED AS PER THE REQUIREMENTS AND SEGERATION OF SPACES	BASEMENT PARKING	BASEMENT PARKING
PLANNING	CLUSTOR PLANNING	L - SHAPED LINERAR PLANNING	RADIAL PLANNING
SITE AREA AND FOOTFALL	59171.5 SQ M(14.6 ACRE)/40,000 1.47M SQ/PERSON	62, 800 Sq. Mt / 15.2 Acre/35000 1.7M SQ/PERSON	14000.Sq. Mt / 3.2 Acre/20,000 .7M SQ/PERSON
PARKING	2500 CAR 3000 TWO WHEELER	1300 CAR 1500 TWO WHEELER	630CAR 430 TWO WHEELAR
ROAD PERCENTAGE	28% OF SITE AREA	18%	30%
BUILT UP AREA	85426.2 SQ M(PLOT-32500)	71875.4 SQ M(PLOT AR-15889)	17760 SQ M
OPEN AREA	18567SQM(31%) OF SITE AREA	20586 SQ M(33%)	5570 SQ M(33%)
LANDSCAPE AREA	6530SQ M (11%)	15782M SQ M(25%)	---
RETAIL	54792 SQM(62%)	35498 SQ M- 56%	9495 SQ M
OFFICE BLDG.	15900SQM(18%)	11%	8260 SQ M
HOTEL	---	11%	---
MULTIPLEX	8%(7SCREEN)	9%	---
RECRETIONAL SPACES	18%	9%	35%
SERVICES	6%	4%	3.5%
FAR	2.3	<1	2.5
COLUMN /GRID	11MX11M (850X850M)	6M X 6 M(600X450MM)	6MX8M AND 7M(600MM DIA)

CASE -4 CITY CENTER ,SALT LAKE

INFERENCES

KOLKATA

THROUGH LOCAL BUS ROAD NETWORKING
2KM AWAY FROM METRO DELHI

GEOMETRIC MINIMALISM-COLOUR IMPACT

LIVELY PUBLIC SPACES,SHOPPING STREET

RESTRICTED ALONG THE PERIFARY

RANDOM MOVEMENT,STAGGERED MOVEMENT

ALL PERIPHERAL PARKING ALONG THE
BUILDING

STAGGERED-CLUSTERED PLANNING

10,700SQM/18000
.59M SQ/PERSON

- CAR
-TOW WHEELER

30%

22056SQ M

20%

38%

23%

4%

1.5

CASE TAKEN DUE TO THEIR
DIFFERENT URBAN COMPLEXITIES

GOOD MODE OF TRANSPORT ENCOURAGE MORE
PUBLIC PARTICIPATION AND APPORACHABLE
COMMERCIAL HUB

APPROACH DEPEND UPON THE SITE CONTEXT
AND CLIENTS DEMANDS

ART OF PUBLIC SPACES ACT AS INTERCONNECTING
NATURE BETWEEN SPACES

RESTRICTION IN PUBLIC AREA-MANDATORY
SERVICE ROUTE AWAY FROM PUBLIC REACH

EASY VISIONARY PEDESTRAIN MOVEMENT INSIDE
THE SITE ADJOINING CONNECTING SPACES

PERIPHERAL PARKING >BASEMENT> MULTI LEVEL
CAR PARKING(PREFERABLE)

PLANNING SHOULD BE DONE ON THE BASIS OF
REQUIRMENTS, SITECONTEXT, DEMANDS AND
CONCEPT AND CLIMATIC ANALYSIS

3M SQ/PERSON

41063 SQ M (9.08 ACRE)
12,250 EXPECTED

30%

MAX 82126 SQ M

MIN 30%

MIN 10%

32% ...

24%

4.2%

31%

7%

2

Proximity Chart

ENTRANCE

PLAZA

SHOPPING

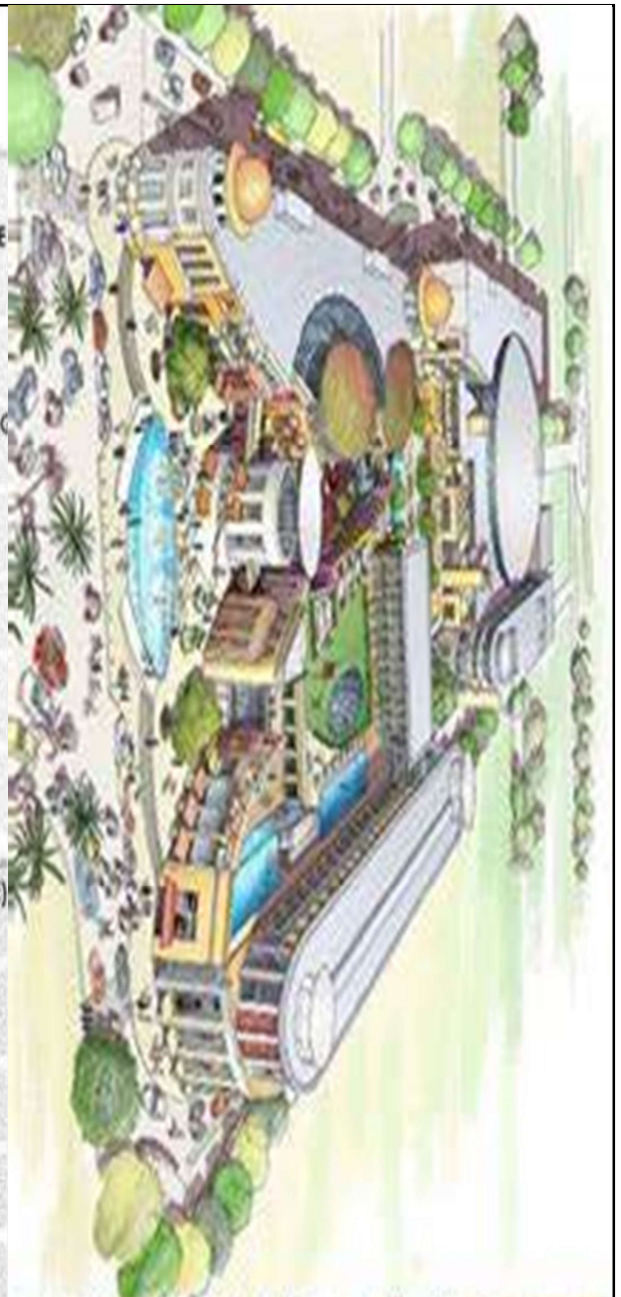
FOOD

CULTURAL

PLAY AREA

PARKING

OFFICE



COLUMN SPACING

Significant dimension is along the mall as this involves the widths, i.e. frontages, of stores. Often used spaces are **8-10 M** with the last the most flexible .

STORE DEPTHS

Buildings are usually **40-45M** deep, sometimes more to accommodate larger stores .If there are basements or mezzanines, the depth dimension usually can be reduced 20 to 25 percent

CLEAR HEIGHTS

These vary from **3.3 -4.2M** or more, with **3.6M** a good average . Above this clear height, there must be adequate space for air conditioning ducts, recessed lights, structural e system, etc.

PARKING AND TRAFFIC

A ratio of between 5 and 6 car spaces per **100M SQ** of leasable store area is mandatory.In the matter of parking layout, car stalls can be set at angles (say, 70' to the lanes, which then requires one-way traffic; or stalls can be at 90' to the lanes, permitting two-way traffic.

SHOP SIZES & LAYOUTS

3.6-4.5M wide by **15M-20M** long in large cities ; and 15 to 18 ft. wide by 60 to 80 ft long in smaller cities .These dimensions apply particularly to shops in 100 percent retail districts .Basements 8 to 9 ft high, in the clear, permit economical stock storage .Ground floors are preferably approximately 3.6 M high If no mezzanine is included ; mezzanines at least 7 ft6 inch above floor level will accommodate most fixture height Height from mezzanine floor to ceiling may be as low as 6 ft6 in . if used for service space only ; 7 ft is the preferred minimum for public

1.Structural models	Width (m)	Notes
Small shops	5.3 to 6.0	Mostly 5.4 m
Large-space users	7.3 to 9.2	Depending on beam depth. Single-storey buildings –larger spans

2.Clear ceiling`	Height(m)	To underside of beams
Small shops	3.3 to 3.8	Sales area
	3.2 to 3.6	Non-sales area
Large-space users	3.6 min.	With floor: floor spacing 4 to 5 m

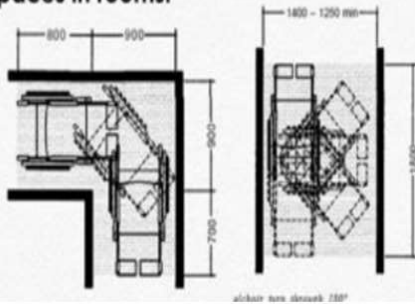
3.Car parking	Car spaces per 100 m ² gross retail area	4.Typical floor loading	kN/m ²
Supermarkets, superstores	10-12	Shop sales area	5
Shopping centres	4-5	Shop storage	10
		Design load for service yard	20

AISLE WIDTHS

Aisle Widths For clerks, min . = 400MM
Desirable 600MM to 700MM
For main public aisles, min . = 1.5M
Avg. 1.6 inch to 2.12
Usual max., **3.5M**.
Secondary public aisles, 1 M -1.2 M

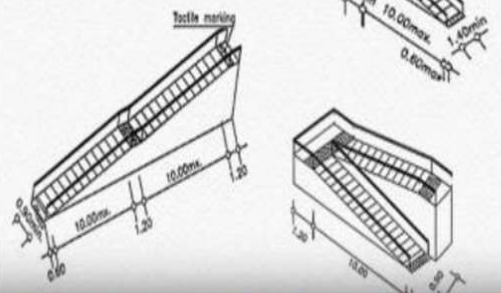
TURNING SPACE

Most wheelchairs require a space 1.4 m square to turn around. This determines the minimum size of lift cars and circulation spaces in rooms.



RAMPS

1. Ramp configuration
Ramps can have one of the following configurations:
(a) Straight run,
(b) 90 turn,
(c) Switch back or 180 turn .



ARRANGEMENT OF EXITS

Exits shall be so located that the travel, distance on the floor shall not exceed the distance of 30m. In case of all mercantile building.

NOTE:-

For fully sprinklered building, the travel distance may be increased by 50 percent of the values specified

Occupancy	Area per person (m2)
Assembly halls (closely seated)	.46 @450mm c/c movable seats .60
Dance halls	.55 to 0.90
Restaurants (dining areas)	.90 to 1.1
Retail shops and showrooms	4.6 to 7.0
Department stores, bazaars	0.9 (including counters, etc.)
bargain sales areas	0.46 (gangway areas only)
Offices	9.3 (excluding stairs and lavatories)

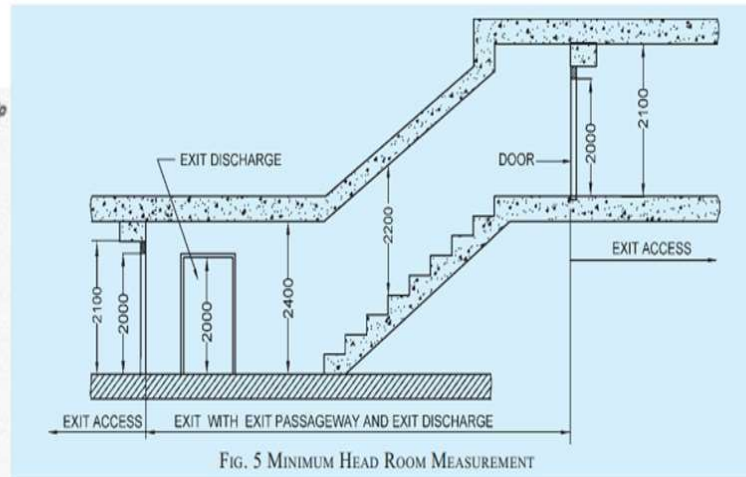


FIG. 5 MINIMUM HEAD ROOM MEASUREMENT

CORRIDORS AND PASSAGEWAYS

Where stairways discharge through corridors and passageways, the height of corridors and passageway shall be not less than 2.4 m.

All means of exit including staircases lifts lobbies and corridors shall be adequately ventilated.

Internal staircase minimum width shall be 2.0m in all group F building.

Pressurization of Staircases (Protected Escape Routes)

Pressurization is a method adopted for protected escape routes against ingress of smoke, especially in high-rise buildings. In pressurization, air is injected into the staircases, lobbies or corridors, to raise their pressure slightly above the pressure in adjacent parts of the building. As a result, ingress of smoke or toxic gases into the escape routes will be prevented. The pressurization of staircases shall be adopted for high rise buildings and building having mixed occupancy/ multiplexes having covered area more than 500 m2.

CONCEPT

CONCEPT

MODES OF BEHAVIOUR AND PERCEPTION

"WE SHAPE OUR BUILDINGS, AND AFTERWARDS THEY SHAPE US"
WINSTON CHURCHILL

PEOPLE USE AND EXPERIENCE OF A SPACE IS FORMULATED BY THE INFORMATION RECEIVED BY THE RECEPTOR SYSTEM, AND THROUGH THE SELECTIVE SCREENING OF THE SENSORY DATA AND THAT THEIR USE DEPENDS ON HOW MAN STRUCTURES THE SPACE AROUND HIM. THE RECEPTORS CONSTRUCT THE PERCEPTUAL WORLD IN WHICH WE INHABIT.

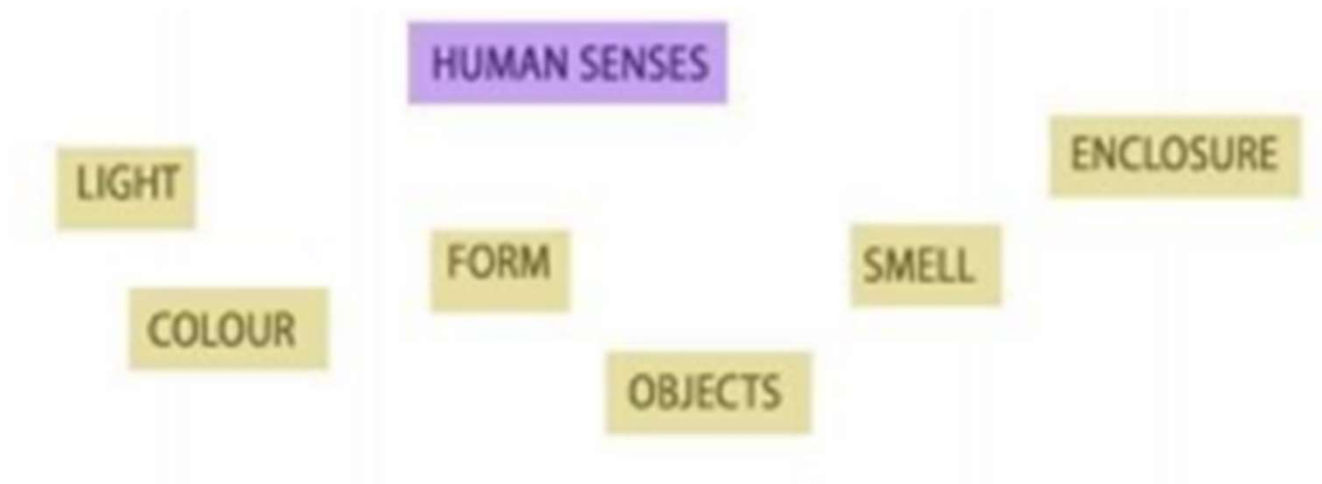
PERCEPTION OF SPACE AND HUMAN SENSES-

PERCEPTION- SENSATION + ACTIVE OBSERVATION

HUMAN SENSES CONSCIOUSLY OR SPONTANEOUSLY EFFECTS OUR PERCEPTION OF SPACE.

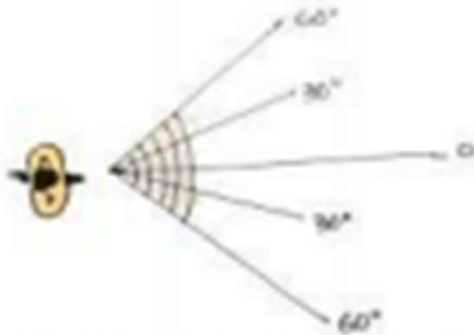
INHUMAN CONTEMPORARY ARCHITECTURE IS A RESULT OF UNBALANCED SENSES SYSTEM.

DOMINANCE OF ONE SENSE WE CAN LEAD TO FALSE PERCEPTION OF ENVIRONMENT.

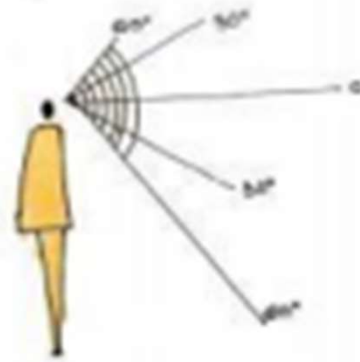


A) EYES

A.1] VISUAL ANGLE



THE FIELD OF VIEW OF HUMAN EYE.



A.2] GESALT

A UNIFIED CONFIGURATION THAT CANNOT BE DERIVED FROM THE SUMMATION OF THE COMPONENT PARTS.



PATTERN SEEN IN REPITATIVE ELEMENTS OR SYMMETRICAL ARRANGEMENT OF ELEMENTS.
EXAMPLE - ADALAJ NI VAV, AHMEDABAD.

PATTERN

A CHARACTERISTIC ARRANGEMENT BASED ON THE INTERRELATION OF COMPONENT PART.



A.3] REGONIZING AN OVERALL SHAPE BY REVEILING ESSSENTIAL DETAILS.



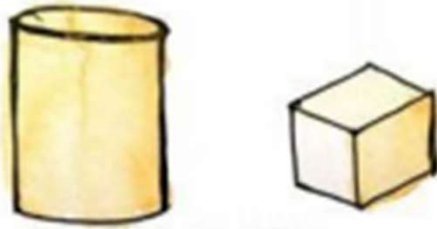
A.4] FIGURE GROUND

PARTS OF VISUAL FIELD AS SOLID.



A.5] GRADIENT OF SHADOW

SPATIAL QUALITY OF FORM IS
RECOGNIZED BY GRADIENT OF SHADOW.



A.6] CONTINUITY

TENDENCY TO GROUP ELEMENTS WHICH
CONTINUE ALONG THE SAME LINE OR SAME
DIRECTION.

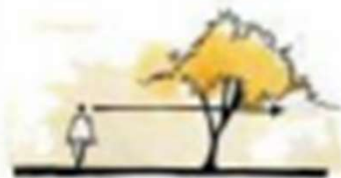


B.1] ACOUSTIC ENVIRONMENT

ACOUSTIC ENVIRONMENT AROUND THE SITE.



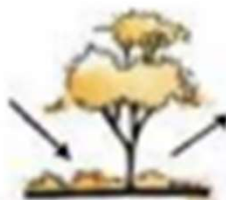
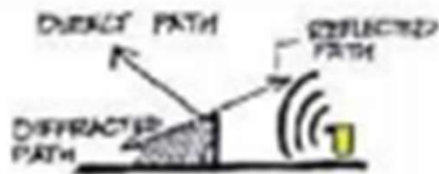
ACOUSTICAL DIRECTION



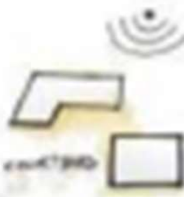
FREEWAY



B.2] ENVIRONMENTAL ACOUSTICS



BUILDING ORIENTATION



EFFECT OF PLANTING

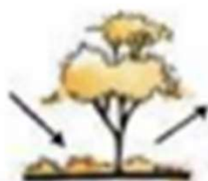
B.3] ROOM ACOUSTICS

REFLECTIONS IN DIFFERENT
ROOMS.



REFLECTION PATTERNS IN
DIFFERENT ROOMS

B.2] ENVIRONMENTAL ACOUSTICS



BUILDING ORIENTATION



EFFECT OF PLANTING

D] SMELL- SENSE OF MEMORY

ACTIVATES OUR SENSES, HAS AN INTAGIBLE EFFECT ON THE MIND, RELETED TO MEMORY.

E.2] THERMAL SPHERE
THERMAL SPHERE IN WHICH
PEOPLE CAN FEEL EACH
OTHER'S PRESENCE.



B.3] ROOM ACOUSTICS

REFLECTIONS IN DIFFERENT
ROOMS.



REFLECTION PATTERNS IN
DIFFERENT ROOMS

C] TOUCH

PERCEPTION OF TOUCH.



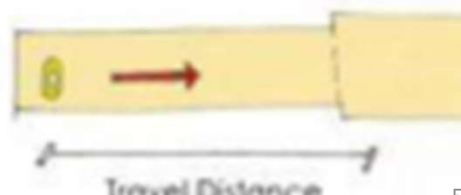
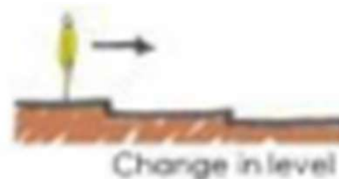
THE PERCEPTION OF INVASION OF
PERSONA BUBBLE IN PRESENCE OF
LARGE MASSES.

E] THERMAL COMFORT

E.1] ENVIRONMENTAL FACTORS
TEMPERATURE
HUMIDITY
AIR SPEED



F] ENVIRONMENTAL FACTORS PERCEPTION OF TOUCH.



PROXEMICS

PEOPLE'S USE AND EXPERIENCE OF A SPACE IS FORMULATED BY THE INFORMATION RECEIVED BY THE RECEPTOR SYSTEM, AND THROUGH THE SELECTIVE SCREENING OF THE SENSORY DATA AND THAT THEIR USE DEPENDS UPON HOW MAN STRUCTURES THE SPACE AROUND HIM. THE RECEPTORS CONSTRUCT THE PERCEPTUAL SPACE IN WHICH WE INHABIT.

PROXEMICS: A STUDY OF SPACES

"THOUSAND EXPERIENCES TEACH US, THAT SPACE COMMUNICATES."

-E.HALL(1990)

PROXEMICS IS THE STUDY OF HUMAN USE OF SPACES, AND THE EFFECTS THAT POPULATION DENSITY HAS ON HUMAN BEHAVIOUR, COMMUNICATION AND SOCIAL INTERACTION.



DISTANCE

BASED ON OBSERVATIONS IN SOCIAL SITUATIONS, DISTANCES CAN BE CLASSIFIED AS -

1) INTIMATE DISTANCE (0-1.5 FT)

THIS ZONE IS MAINLY FOR NON-VERBAL COMMUNICATION. ONLY THE INTIMATE PEOPLE LIKE FAMILY MEMBERS, CLOSE FRIENDS AND CHILDREN ENTER THIS ZONE.

2) PERSONAL DISTANCE (1.5-3 FT)

(BUBBLE)- FOR CONVERSATION WITH FRIENDS AND ASSOCIATES.

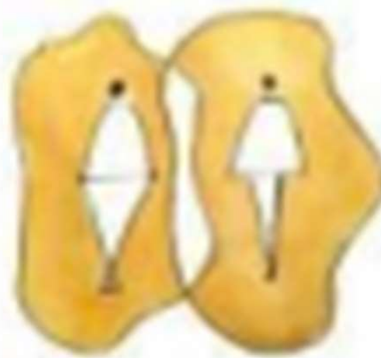
3) SOCIAL ZONE (4- 11 FT)

FOR NEARLY FORMED GROUPS, STRANGERS AND NEW ACQUAINTANCES.

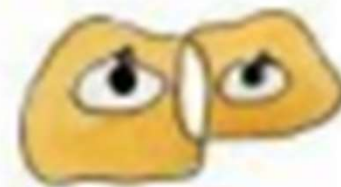
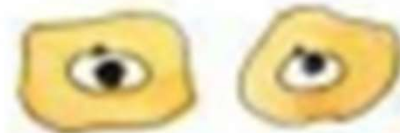
4) PUBLIC DISTANCE (12 - 15 FT)

FOR SPEECHES, LECTURES AND THEATRES (RANGE RESERVED FOR LARGE AUDIENCES)

A PERSON CARRIES HIS SPACE BUBBLE, THE PERSONAL ZONE WITH HIM EVERYWHERE HE GOES. VOILATION OF THIS SPACE CAN BE DISCOMFORTING.



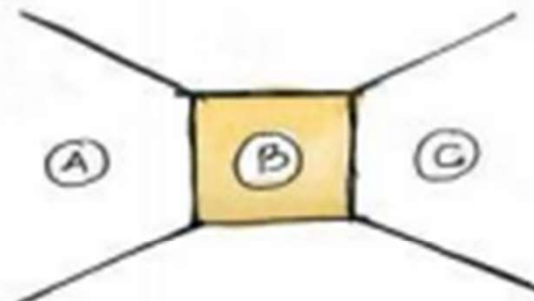
PERSONAL SPACE VOILATIONS CAN TAKE PLACE AT PUBLIC SPACES, AND HENCE CAN DEFINE USER EXPERIENCE. VOILATION OF PRIVATE SPACES CAN BRING HUGE DISCOMFORT TO THE USERS AND HENCE CAN DEFINE THEIR EXPERIENCE OF THE SPACE.



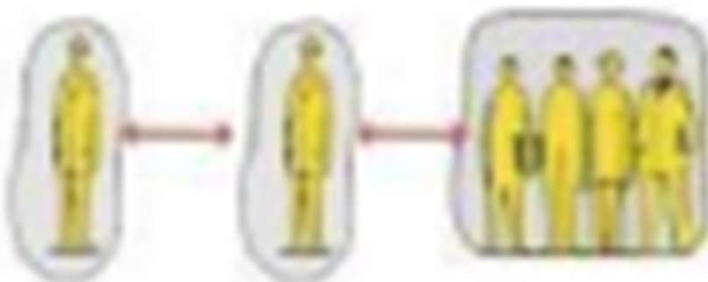
IN PUBLIC SPACES, INTIMATE CONTACT IS NEXT TO UNAVOIDABLE, WHICH CAN BE DISTRUBING.

PUBLIC SPACES LACK A SENSE OF PERSONAL BOUNDARIES.

THERE SHOULD BE A REPULSIVE FORCE THAT HELPS TO KEEP A MINIMUM DISTANCE BETWEEN PEOPLE.



INTERNAL ORGANIZATION OF ACTIVITES



PROXEMICS IS THE STUDY OF THE SPATIAL DIMENSION OF NON - VERBAL BEHAVIOUR" -EDWARD T. HALL'S THEORY TALKS ABOUT HOW PEOPLE REACT TO OTHERS AT VARIOUS DISTANCES FROM THEIR BODIES. NON VERBAL COMMUNICATION CAN BE CLASSIFIED INTO FOLLOWING WAYS

- ENVIRONMENTAL FACTORS -

IT CONSISTS OF ELEMENTS SUCH AS FURNITURE, ARCHITECTURAL STYLE, LIGHTING, SMELL, COLOURS AND TEMPERATURE. PROXEMICS - IT IS DEFINED AS THE USE AND PERCEPTION OF ONE'S SOCIAL AND PERSONAL SPACE, SUCH AS IN SEATING AND SPATIAL ARRANGEMENTS.

KINESICS - IT IS DEFINED AS BODY MOTIONS THAT INCLUDE GESTURES, BODY MOVEMENTS, POSTURES, FACIAL AND EYE BEHAVIOUR.

TOUCHING BEHAVIOUR - IT DEALS WITH THE TOUCHING BEHAVIOUR OF AN INDIVIDUAL PHYSICAL CHARACTERISTICS - IT COMPRISES OF PERSONAL CHARACTERISTICS SUCH AS PHYSIQUE, BREATH, ODOUR, HEIGHT, WEIGHT, HAIR AND SKIN COLOUR. PARALANGUAGE - IT CONSISTS OF NON -

VERBAL CUES SURROUNDING SPEECH, SUCH AS PITCH, VOLUME, TEMPO AND INTENSITY OF VOICE. ARTIFACTS - THE MANIPULATED OBJECTS THAT ARE IN CONTACT WITH THE INTERACTING PERSONS SUCH AS PERFUME, CLOTHES, LIPSTICK, HAIR PIECES, EYE GLASSES AND MISCELLANEOUS BEAUTY AIDS. DIFFERENT CULTURE TYPES MAINTAIN DIFFERENT STANDARDS.

REALIZING AND RECOGNIZING THESE CULTURAL DIFFERENCES IMPROVE CROSS -CULTURAL UNDERSTANDING AND HELPS ELIMINATE DISCOMFORT PEOPLE MAY FEEL IF THE INTERPERSONAL DISTANCE IS TOO LARGE OR TOO SMALL.

PLANS

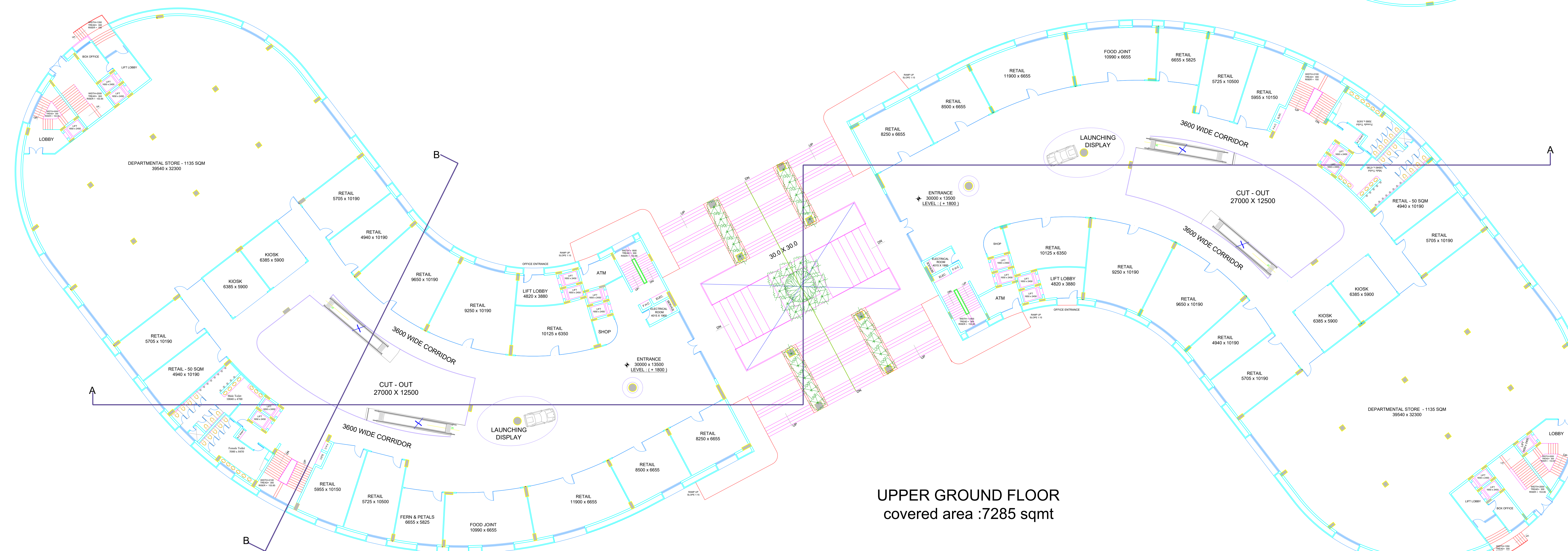
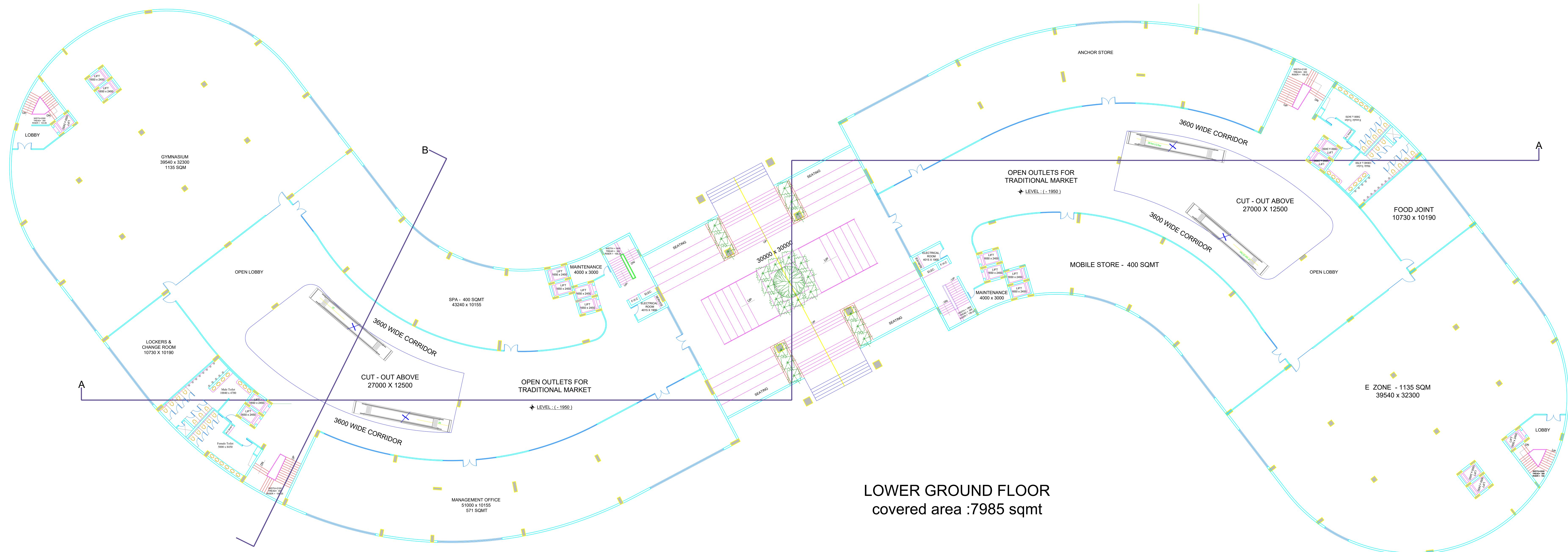
SECTIONS AND ELEVATION

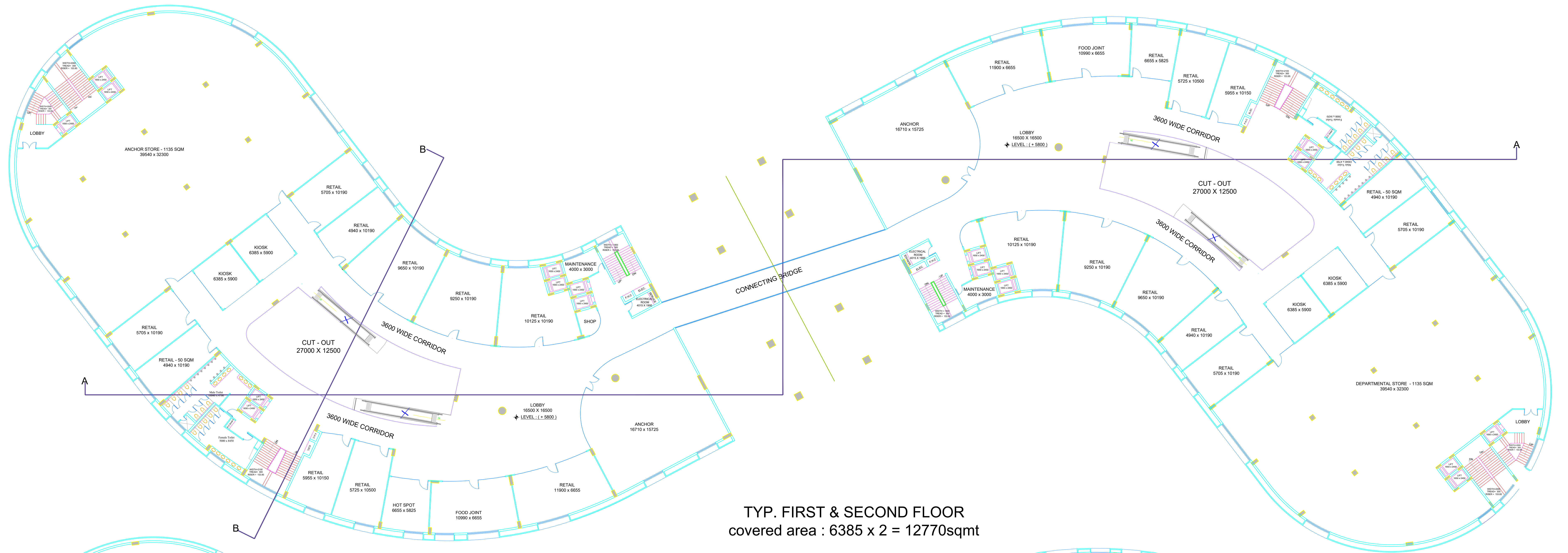
RENDER

ELECTIVE

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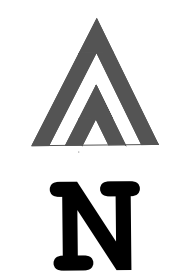




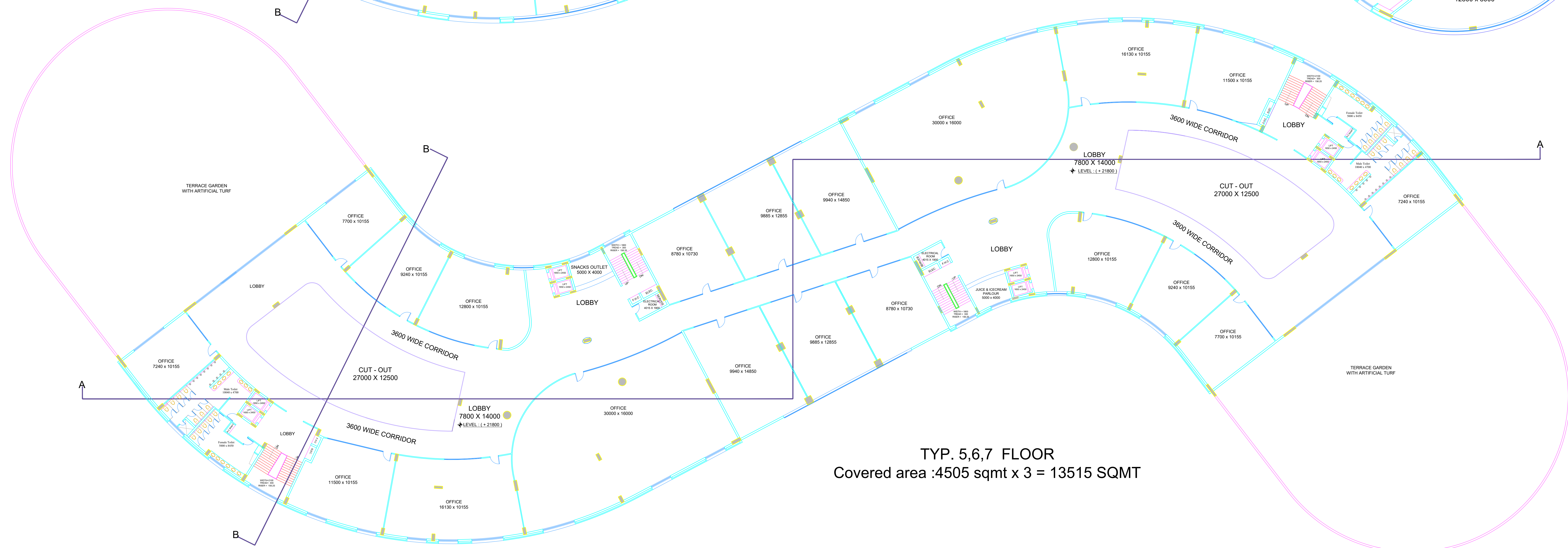
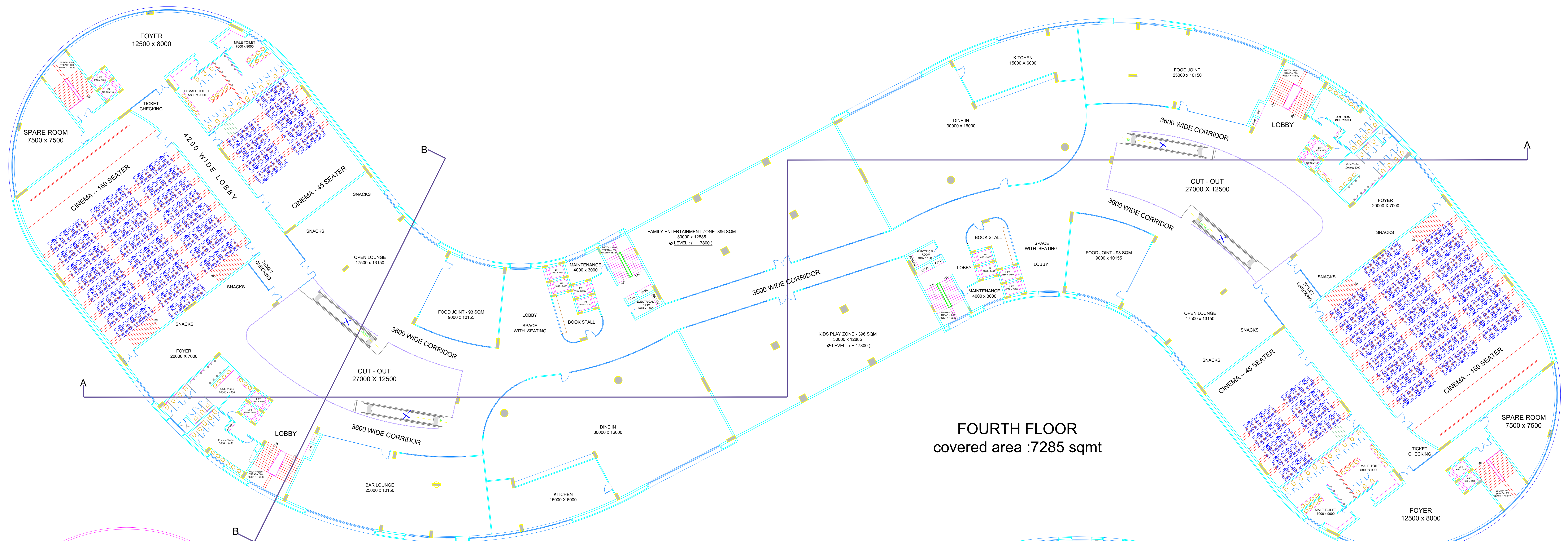
CITY CENTRE

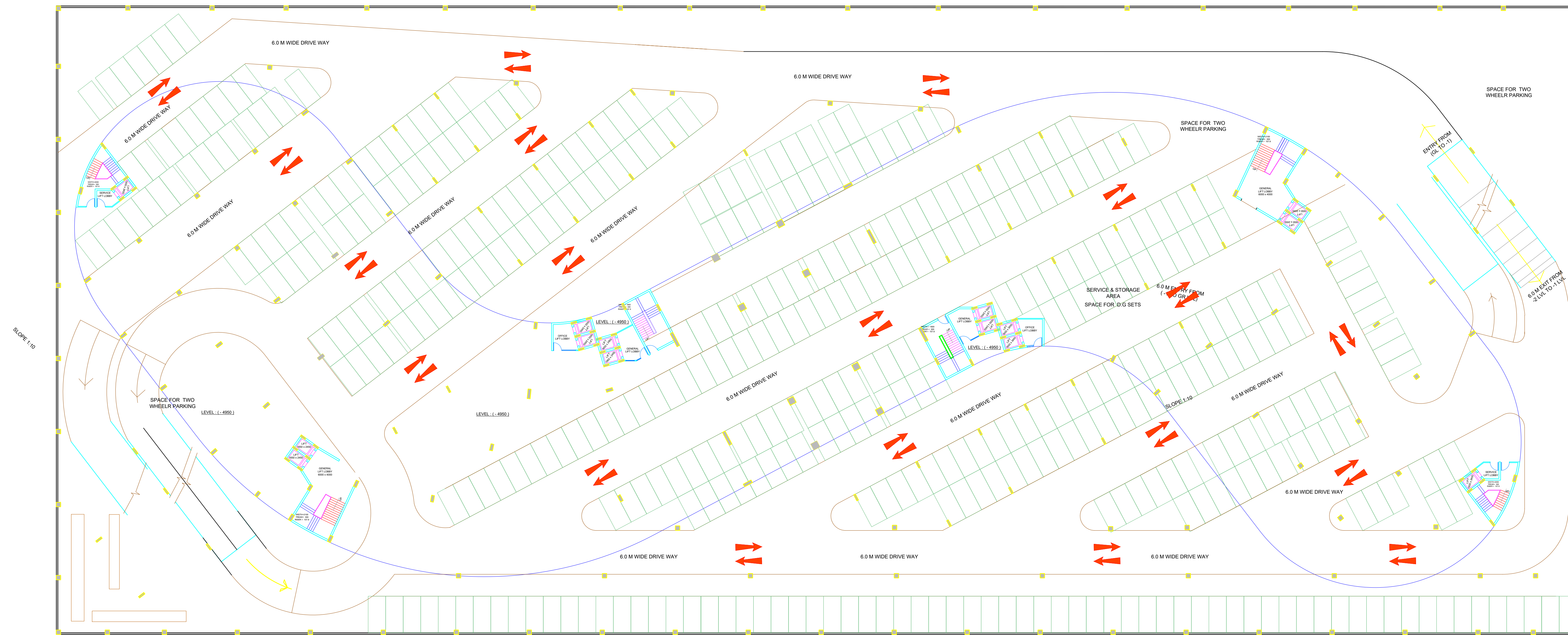
SCALE 1:200

ALL DIMENSIONS IN MM



KAMRAN AHMAD
1180101020
B ARCH Vth YEAR
BBDU, LUCKNOW





IST LEVEL BASEMENT FLOOR PLAN
CARPARKING - 504



2ND LEVEL BASEMENT FLOOR PLAN
514 CAR PARKING

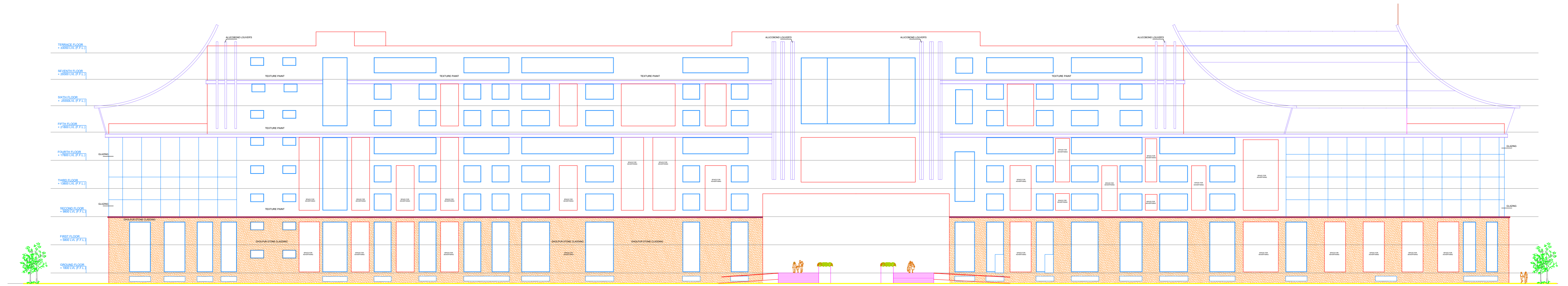
CITY CENTRE

SCALE 1:300

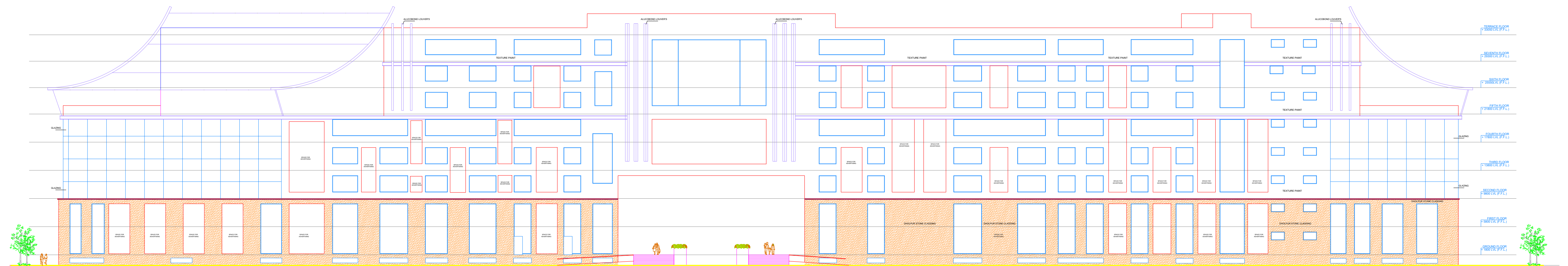
ALL DIMENSIONS IN MM



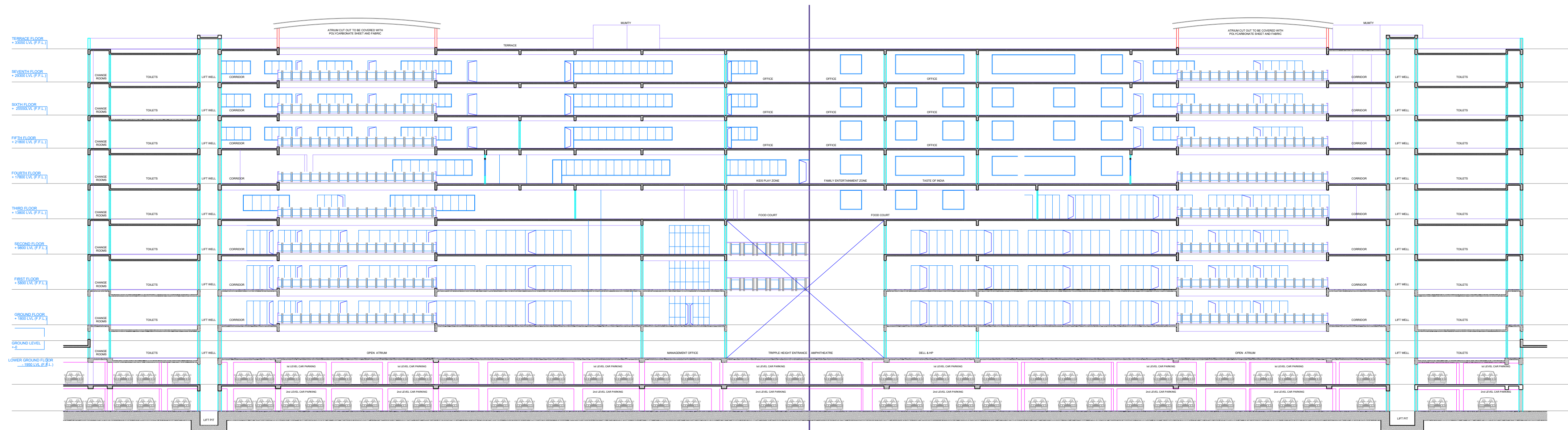
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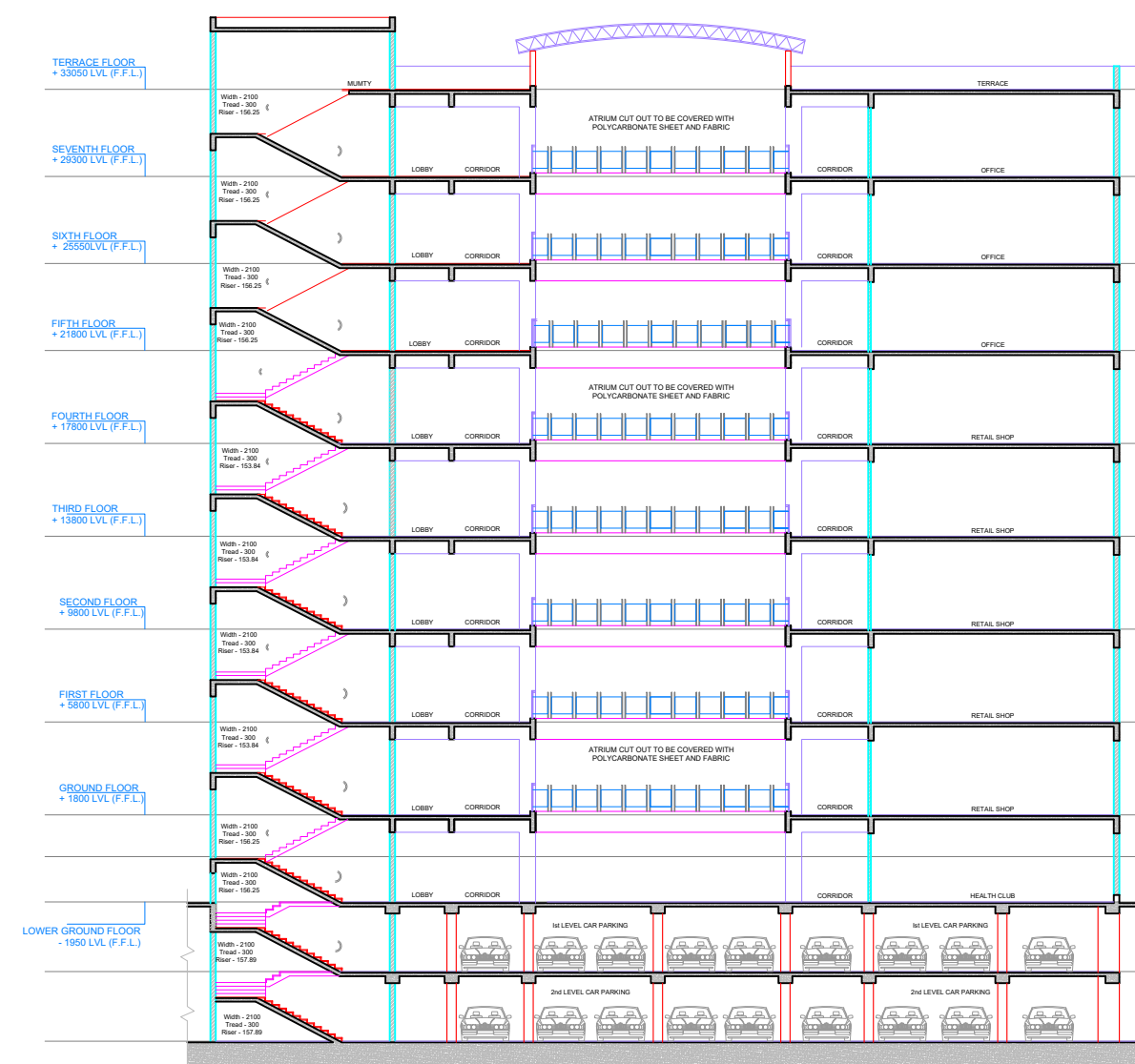
FRONT ELEVATION



REAR ELEVATION



SECTION AA



SECTION BB

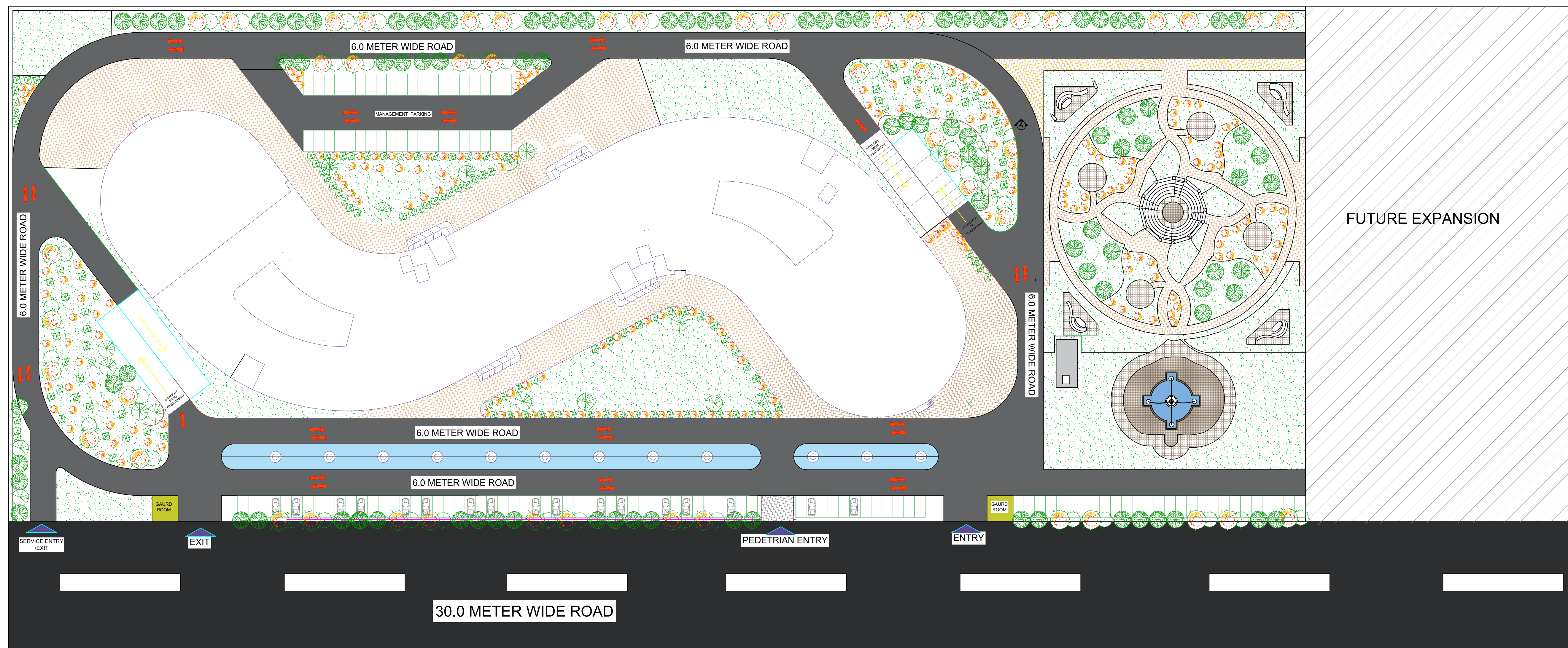
DESIGN THESIS

ALL DIMENSIONS IN MM

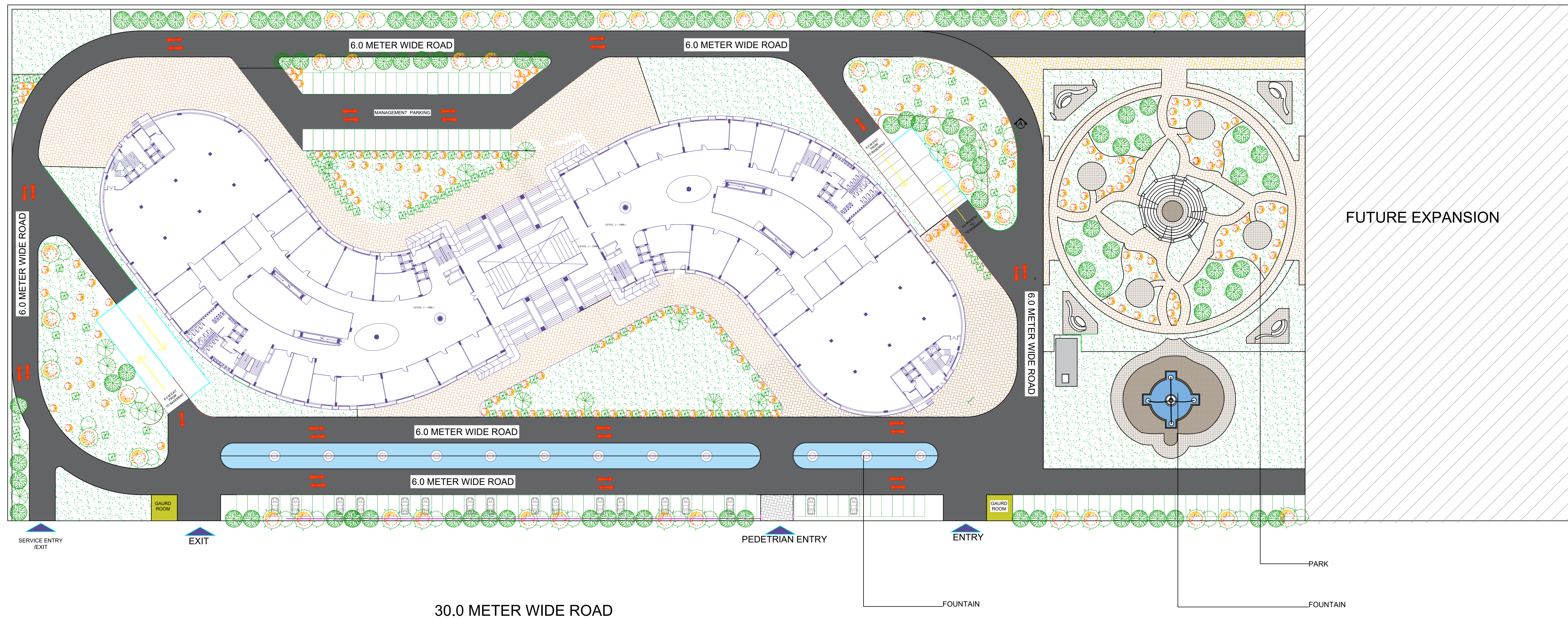
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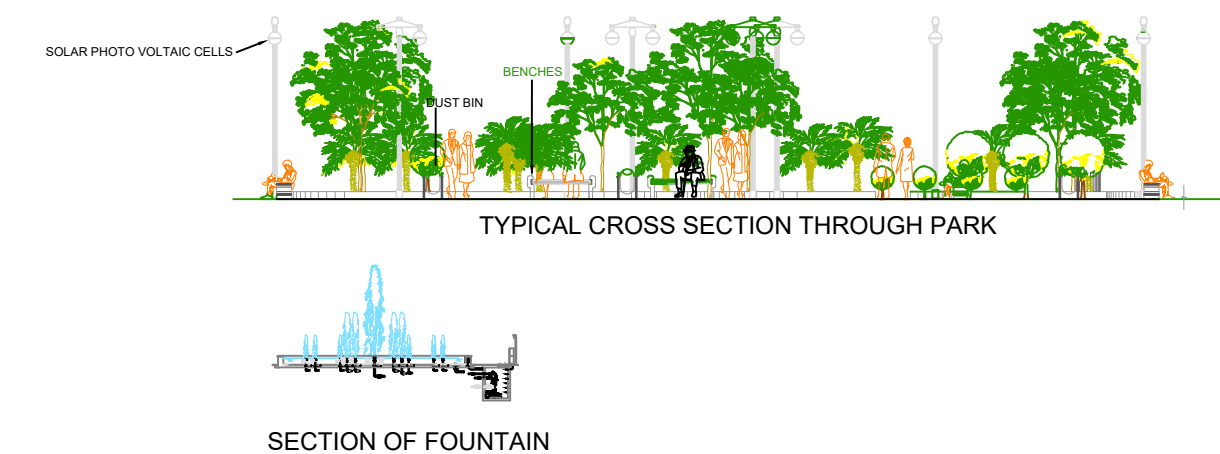
SITE PLAN



LANDSCAPE

ELECTIVE-01
(LANDSCAPE)

TREES SCHEDULE			
TREE PLAN	BOTANICAL NAME	COMMON NAME	HEIGHT
	FIGUS BENJAMINA	FIG	10 M
	LAGERSTROEMIA	CRABE MYRTLE	10 M
	GRANTOPHYLLUM ROSADO	CARICATURE PLANT	2.5 M
	ROYSTONIA REGIA	ROYAL PALM	35 M
	POLYALYRIA LONGIFOLIA	ASHOKA	18 M
	ALLAMANDA GRANDIFLORA	GOLDEN TRUMPET	2.5 M
	ARALIA ELATA	ARALIAS	2 M
	CASSIA FISTULA	AMALTAZ	10 M
	ALLTERNANTHERA		5 M



SCALE 1:500

CITY CENTRE

DESIGN THESIS

ALL DIMENSIONS IN MM



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