



ARCHITECTURE PORTFOLIO

**RAHULANAND**

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# RAHUL ANAND B.ARCH

## PERSONAL STATEMENT

I ENJOY ART, ARCHITECTURE, MUSEUMS, CHURCHES AND TEMPLES; ANYTHING THAT GIVES ME INSIGHT INTO THE HISTORY AND SOUL OF THE PLACE I'M IN. I WOULD LIKE TO IMPACT THE SOCIETY THROUGH EXPRESSIVE SPATIAL DESIGN

## PERSONAL DETAILS

DATE OF BIRTH : 18-07-1997  
GENDER : MALE  
NATIONALITY : INDIAN  
LANGUAGES : ENGLISH, HINDI, SPANISH

## CONTACT INFORMATION

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www.linkedin.com/in/rahulanandarchitect/

## EDUCATION

- 2015-PRESENT | B.ARCH - AMITY UNIVERSITY
- 2015 | CBSE 12TH - DELHI PUBLIC SCHOOL, MATHURA ROAD (86 %)
- 2015 | CBSE 10TH - DELHI PUBLIC SCHOOL, MATHURA ROAD (8.0 CGPA)

## ORGANIZATIONAL EXPERIENCE

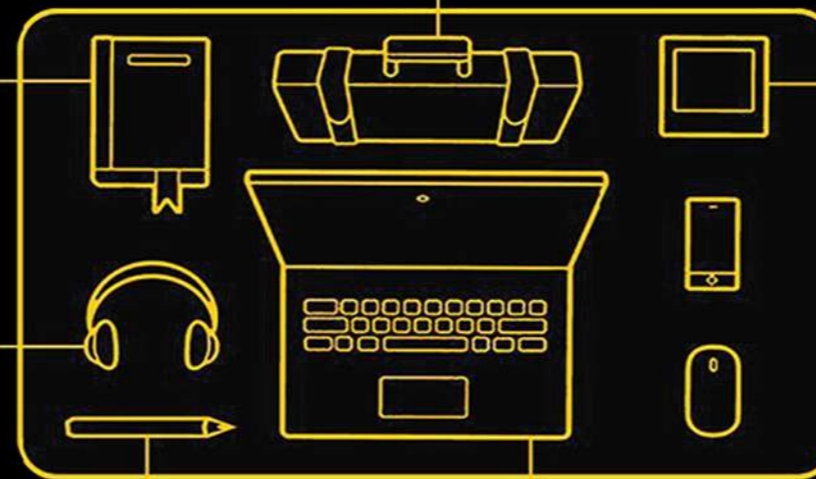
- 2019 ( JAN- JUNE ) | SIKKA ASSOCIATES ARCHITECTS [ INTERN ]
- 2018 ( MAY- JUNE ) | ARCHITECTS COLLABORATIVE. [ INTERN ]
- 2017 ( MAY- JUNE ) | KRP INFRASTRUCTURES AND BUILDERS PVT. LTD. [ INTERN ]

## COMPETITIONS

- 2017 | TRANSPERANCE 12.0 , ETHOS
- 2017 | UNBOX'17, VOLZERO
- 2018 | THE TAJ AMITY PAVILLION COMPETITION , ARCHDIAS

## EXTRA CURRICULARS

- 2019 | SUSTAINABILITY IN ARCHITECTURE : AN INTERDISCIPLINARY INTRODUCTION , EDX (VERIFIED)
- 2019 | ATTENDED BUILDING INDIA EXPO, PRAGATI MAIDAN, NEW DELHI
- 2018 | ATTENDED DESIGNING EQUITABLE CITIES CONFERENCE, CHARLES CORREA FOUNDATION KALA ACADEMY, PANAJI, GOA
- 2018 | ATTENDED "TALKS BY ARCHITECTS" WORKSHOP, AMITY UNIVERSITY, NOIDA



## INTRESTS

- MUSIC
- FOOD
- SOCCER
- GAMING
- TRAVELLING
- GADGETS

## EXPERTISE

- DESIGNING
- TECHNICAL DRAFTING
- MODEL MAKING
- HAND DRAFTING

## LANGUAGES

- ENGLISH
- HINDI
- SPANISH

## SOFTWARE SKILLS

- PHOTOSHOP ●●●●○
- AUTOCAD ●●●●●
- REVIT ●●●○○
- LUMION ●●●●●
- SKETCHUP ●●●●○
- POWERPOINT ●●●●●
- V-RAY FOR SKP ●●●○○
- ILLUSTRATOR ●●○○○
- 3DS-MAX ●●○○○
- COREL-DRAW ●●○○○

# REDEVELOPMENT OF ANAND VIHAR PRECINCT

URBAN DESIGN STUDIO PROJECT I

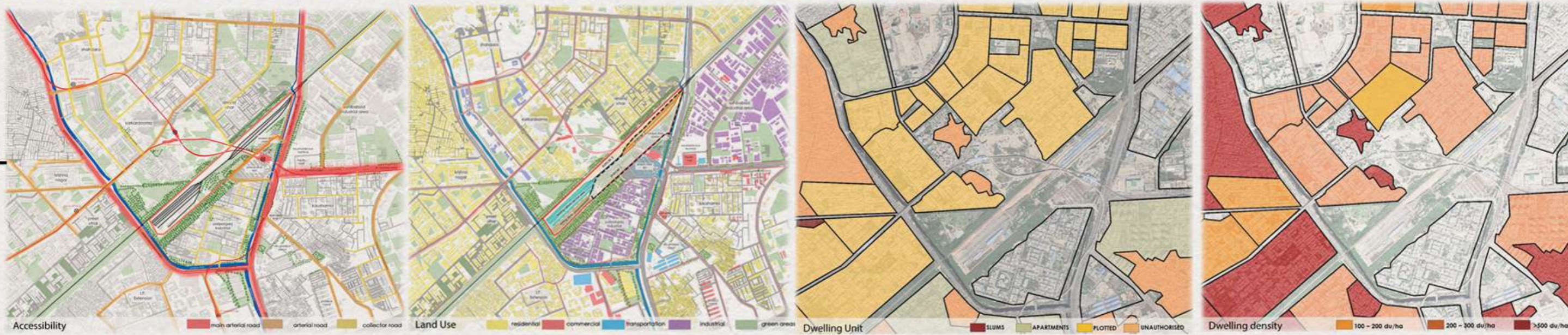
NEW DELHI, INDIA

ANAND VIHAR ONE OF THE MOST CROWDED PLACES IN THE CAPITAL OF INDIA DUE TO ITS MULTI-MODAL INTEGRATION HAS BEEN RESTRUCTURED WITHIN THE RAILWAY PRECINCT, THE STATION IS IN PROXIMITY TO ONE OF THE MAJOR INTERSTATE BUS TERMINALS OF THE CITY, ANAND VIHAR METRO STATION AND UPCOMING RRTS

ANALYZING AND INTEGRATING URBAN GRID WE SCRUTINIZE THE POTENTIAL ZONES TUNNELING CONNECTIONS BETWEEN THEM AN ELEVATED GREEN-WAY IS PROPOSED TO CONNECT AND PROMOTE PEDESTRIAN MOVEMENT AND TO REDEFINE CHARACTER TO THE URBAN SPACES. THIS CONNECTOR ALSO AIMS TO ENHANCE RETAIL POTENTIAL AND WELCOMES PUBLIC FOR MULTIPLE USES.

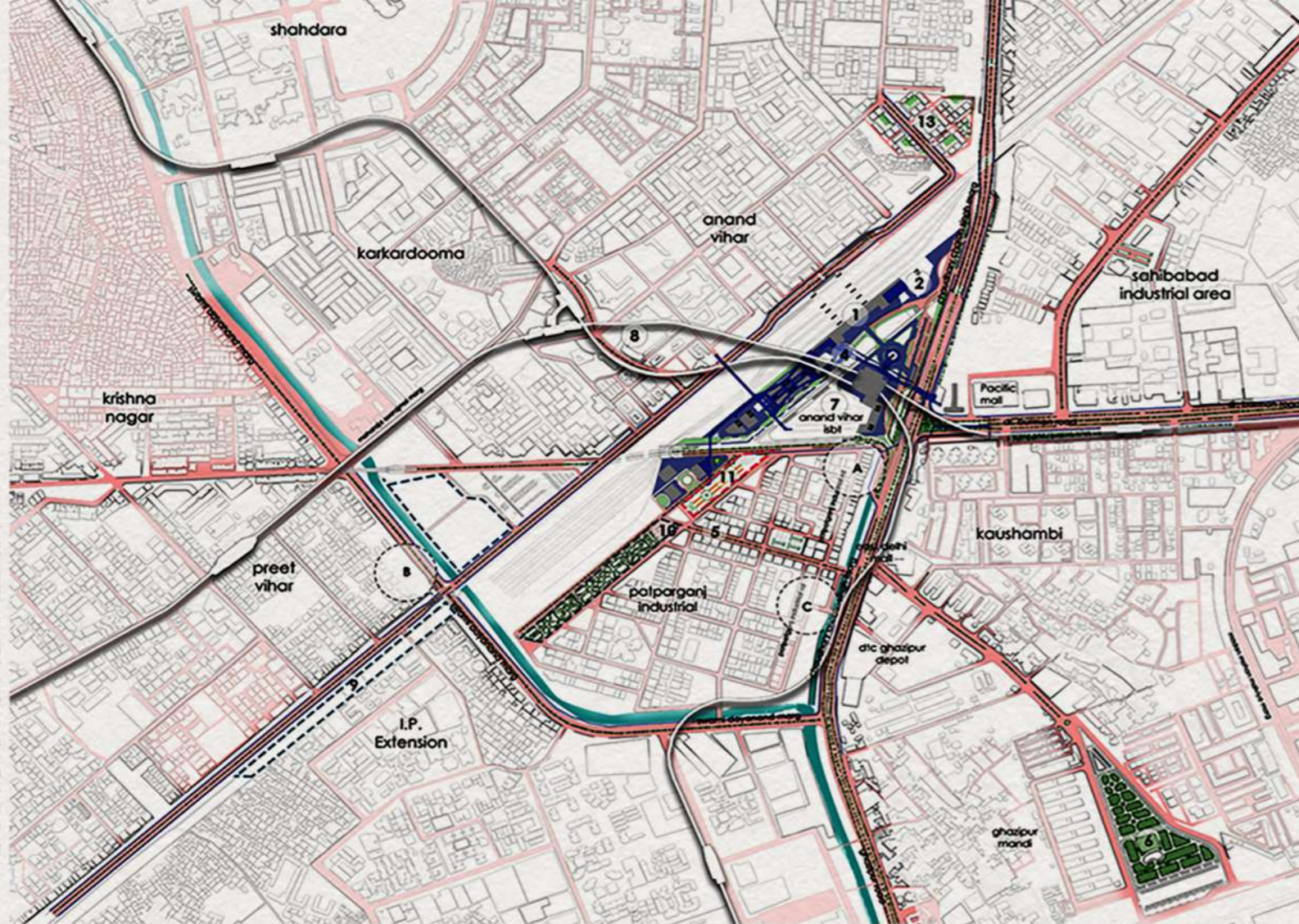


## REGIONAL CONTEXT



## DESIGN COMPONENTS





**1. AV Railway Terminal - G + 1**  
25000 sqm Ground Coverage

Segregation of target passenger population according to footfall using landscaped elevated connector, garde separator and proposed flowing lane system aids to ease the access and helps betterment of the spaces in the railway vicinity.

**3. Urban Grid**  
Direct network b/w Delhi & UP

An urban geometry is noticed and hence proposed of be integrated to increase the commercial value and provide ease of access and to de-congest vikas marg simultaneously

**5. patparganj industrial area**  
24m proposed road

The purpose of providing this road is to utilize and upgrade the dead land zone and integrate it with the precinct facilities which will inturn reduce the traffic from the railway road.

**7 ISBT -G + 2**  
5000 sqm

The belief is to integrate pedestrian movement and spaces with multi modal network while distinguishing the vehicular movement. Improved circulation, dedicated drop-offs and amenities, and a whole new attractive facade for the people on roads.

**9. Recreational Zone**  
Eco friendly zone

The concept is to provide a buffer to railway line and utilize the space for nearby residential zones for promoting people to engage socially and simultaneously creating an active zone where people feel free to walk, jog, etc.

**11. Delhi Haat**  
250 m x 60 m

The idea is to provide a cultural significance to the site with the integration of delhi haat which is a handicraft market.

**2. Skyview Tower - G + 25**  
Pride of Anand Vihar

Amidst the busy roads and hundreds of people, skyview tower emerges as the pride of east delhi and anand vihar. Incorporating skylounges and fine dining at the height of 300 feet, this proposed tower redefines perception of East Delhi

**4. Greenway - @8000mm from NGL**  
30M wide corridor

The belief is to design a pedestrian friendly and barrier free zone. The landscaped connector connects people among multi modal transport like kausambi bus terminal, Metro station, ISBT, RRTS, Railway terminal. Moreover, it intends to bridge the gap between Delhi and Uttar Pradesh.

**6. Ghazipur Sabzi Mandi**

To provide shops and hawkers for the vegetable market in the ghazipur sabzi mandi area.

**8. Karkardooma CBD**  
Transit - Oriented Development

The main highlight is to establish a new CBD to the neighbourhood and promote pedestrian movement by pushing te buildings towards roads forming a sense of enclosure.

**10. Recreational Zone - 50000 sqm**  
Eco friendly zone

The concept is to provide a buffer to terminal and simultaneously creating an active zone where people feel free to walk, jog, run, sit, exercise, worship, shop and what not.

**12. Improved Road Sections**  
Hierarchy Transition

Resolving nodal network and improving collector road sections while merging them into the arterial road

**13. Railway Quarters**

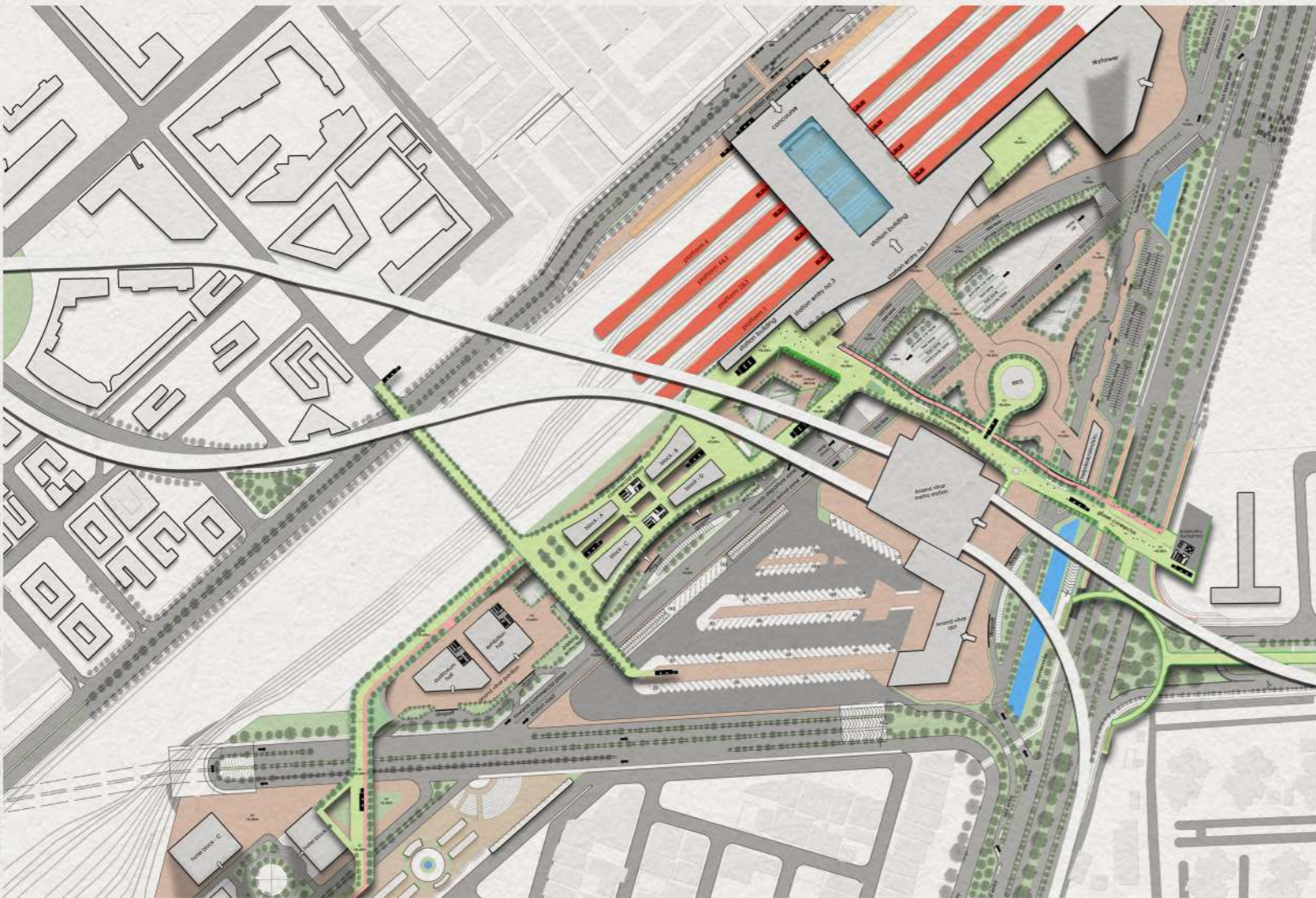
New residential blocks are intended to be developed with respect to the new proposed roads planned in a grid manner

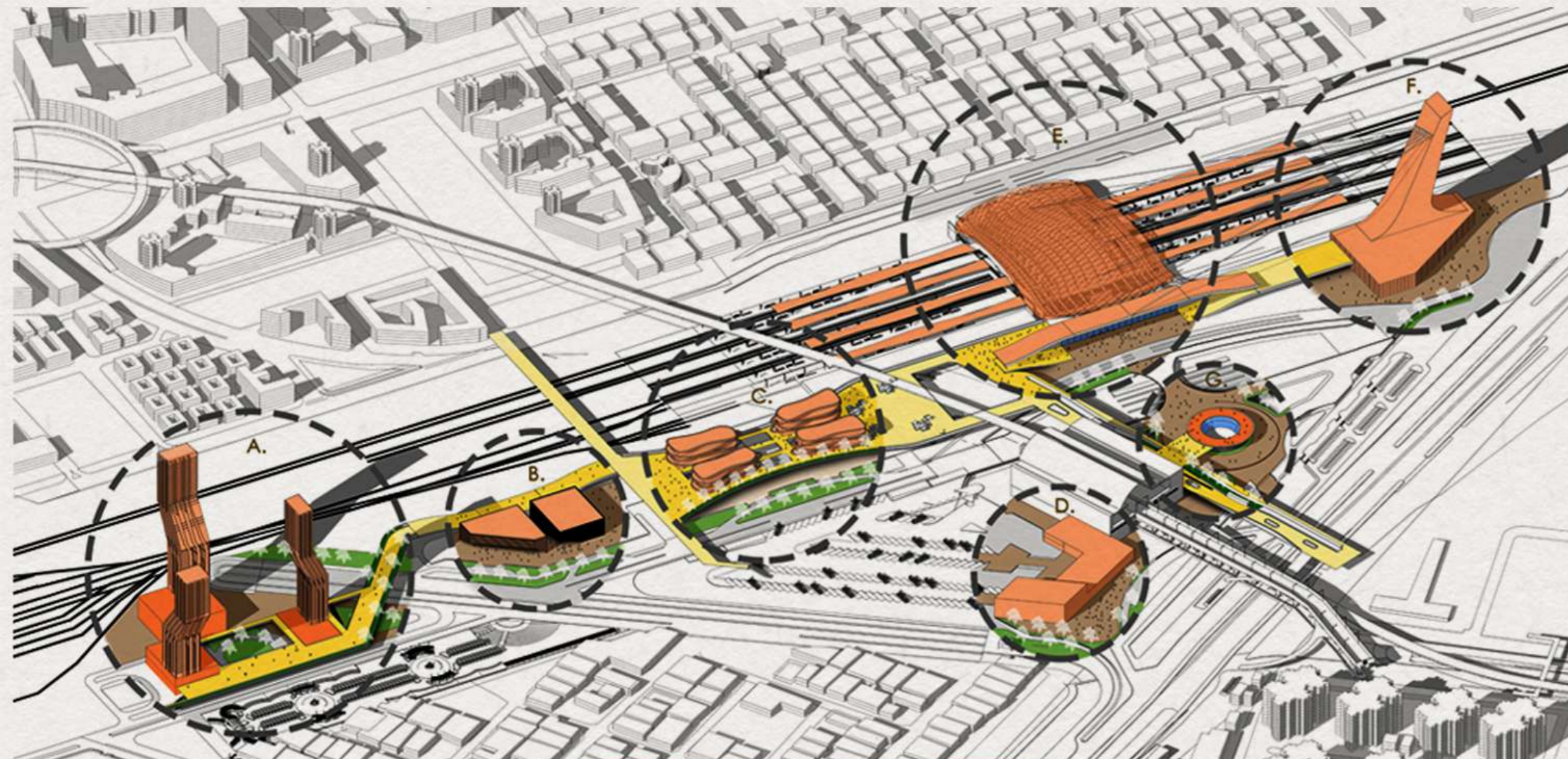
**Issues & Challenges :**

1. Congestion and choking of traffic systems at various nodes and physical edges.
2. Inhibit the pedestrian system and lack of seamless connectivity throughout the precinct with respect to neighbourhood.
3. Wastage of spaces which can be assigned functions and turned into recreational spaces and parking spaces in industrial area.

**Objectives:**

1. Streamlining traffic systems within and surrounding railway precinct.
2. Encourage and enhance the pedestrian free and barrier free movement within the anand vihar precinct.
3. Improve the quality of activities by recognising types of activities in the anand vihar precinct
4. To design spaces with its own identity





**A. Hotel & Rental Apartments**  
 Ground coverage: 5000 sqm  
 No. of floors: G+20  
 Total built up: 100000 sqm

**B. Cultural centre**  
 Ground coverage: 3600 sqm  
 No. of floors: G+4  
 Total built up: 18000 sqm

**C. Commercial plaza**  
 Ground coverage: 2600 sqm  
 No. of floors: G+5  
 Total built up: 15600 sqm

**D. Anand Vihar ISBT**  
 Ground coverage: 5000 sqm  
 No. of floors: G+2  
 Total built up: 15600 sqm

**E. Railway Terminal**  
 Ground coverage: 6000 sqm  
 No. of floors: G+2  
 Total built up: 36000 sqm

**F. Sky viewtower**  
 Ground coverage: 700 sqm  
 No. of floors: G+20  
 Total built up: 28000 sqm

**G. RRTS**  
 Ground coverage: 800 sqm



**Skyview Tower - G + 25**  
 Pride of Anand Vihar

Amidst the busy roads and hundreds of people, skyview tower emerges as the pride of east delhi and anand vihar. Incorporating skylounges and fine dining at the height of 300 feet, this proposed tower redefines perception of East Delhi

**AV Railway Terminal - G + 1**  
 25000 sqm Ground Coverage

Segregation of target passenger population according to footfall using landscaped elevated connector, grade separator and proposed flowing lane system aids to ease the access and helps betterment of the spaces in the railway vicinity.

**Shopping Arcade - G + 4**  
 10600 sqm Ground Coverage

Establishing a business district for east delhi and a multi nuclei integrated modal for NCR region. The notion is to create enclosure and promote walkability and encourage pedestrian movement.

**Greenway**  
 @8000mm from NGL  
 30M wide corridor

The belief is to design a pedestrian friendly and barrier free zone. The landscaped connector connects people among multi modal transport like kausambi bus terminal, Metro station, ISBT, RRTS, Railway terminal. Moreover, it intends to bridge the gap between Delhi and Uttar Pradesh.

**Hotel / Offices - G + 20**  
 35 m x 45 m

The idea is to create an emphasis and provide an identity to the built environment. The tallest proposed building in the neighbourhood will establish a new character to the urban fabric.

**Urban Grid**

Direct network b/w Delhi & UP  
 An urban geometry is noticed and hence proposed to be integrated to increase the commercial value and provide ease of access and to de-congest vikas marg simultaneously

**ISBT - G + 2**  
 5000 sqm

The concept is to integrate pedestrian movement and spaces with multi modal network while distinguishing the vehicular movement. Improved circulation, dedicated drop-offs and amenities, and a whole new attractive facade for the people on roads.

**Pavilion - G + 5**

Auditorium  
 Exhibition hall  
 The thought is to enhance culture nourishment in East delhi and redefine a new character to the precinct.



3D - Cross section

# HOUSING STUDIO

ADELINE | 16 ACRES | 13 TOWERS | 1280 APARTMENTS

## MAYUR VIHAR-1, NEW DELHI

ADELINE IS A GATED RESIDENTIAL COMMUNITY THAT OFFERS 2/3/4 BHK HOUSES. EVERY HOME IN ADELINE IS BUILT FOR A CONTEMPORARY LIVING OFFERING AMPLE AMOUNT OF NATURAL LIGHT IN EACH HOUSE, WITHOUT COMPROMISING THE PRIVACY OF THE OCCUPANTS. THE COMPLEX HAS BEEN DESIGNED IN SUCH A WAY THAT VEHICULAR AND PEDESTRIAN MOVEMENT ARE COMPLETELY SEGREGATED. AIRY ROOMS OPEN UP WITH BALCONIES INTO LUSH GREEN SPACES.



## DESIGN PRINCIPLES AND CONCEPT

### VEHICLE-PEDESTRIAN SEGREGATION

ADELINE IS A GATED RESIDENTIAL COMPLEX IN WHICH THE RESIDENTS LIVE WITH NOVELTY. THERE IS SEGREGATION BETWEEN VEHICLES AND PEDESTRIANS IN ORDER TO MAINTAIN SAFETY OF THE RESIDENTS AND TO REMOVE THE OBSTRUCTIONS CAUSED BY COLLISION OF PATHS BETWEEN THE VEHICLES AND PEDESTRIANS



### RECREATIONAL SPACES FOR THE OLD AGED PEOPLE

PROVISION OF SEPARATE PARKS FOR THE OLD ONES WHICH ARE CLOSE TO THE TOWERS. IN ORDER TO PROVIDE THE OLD ONES AN OPTIMUM AMOUNT OF COMFORT



### NORTH-SOUTH ORIENTATION

BUILDINGS ORIENTED IN NORTH - SOUTH AXIS. MORE FENESTRATIONS PROVIDED ON THE NORTH SOUTH AXIS AND KEEPING THE BUILDINGS CLOSED FROM THE WEST AND SOUTH WEST DIRECTIONS. IN ORDER TO PREVENT THE HARMFUL RADIATIONS FROM THE SUN TO HARM US.



### AMPLE AMOUNT OF GREEN AREAS

PROVISION OF AMPLE AMOUNT OF GREEN SPACES IN ORDER TO PROVIDE ATTRACTIVE VIEWS AS WELL AS IN ORDER TO CREATE RECREATIONAL AREAS

## AMENITIES INCORPORATED IN THE DESIGN



CLUB



BASKET BALL COURT



SWIMMING POOL



CYCLING TRACK



COMMERCIAL CENTER



JOGGING TRACK



OPEN GYM FACILITY



MINI FOOTBALL GROUND



TENNIS COURT



BADMINTON COURT

# SITE PLAN



- LEGEND**
- 1BHK APARTMENTS
  - 2BHK APARTMENTS
  - 3BHK APARTMENTS
  - 4BHK APARTMENTS
  - MAIN ENTRY/EXIT
  - EXIT
  - CLUB
  - BASKETBALL GROUND
  - LAWN TENNIS FEILD
  - BADMINTON COURTS
  - MINI FOOTBALL GROUND
  - FIRE EXITS FROM BASEMENT
  - OPEN AIR THEATRE
  - COMMERCIAL AREA
  - RAMP FOR BASEMENT
  - PARKS FOR OLDAGE PEOPLE
  - CHILDREN'S PLAY GROUND

**SITE SPECIFICATIONS**

SITE AREA : 65108 SQ.M (6.5 HECTARES)  
 GROUND COVERAGE :- 33.3% = 21,680.96M<sup>2</sup>

FLOOR AREA RATIO (F.A.R) :- 200% = 2  
 BUILT UP AREA :- 1,30,216  
 AREA FOR CIRCULATION: 26,043  
 REMAINING BUILT UP = 104,172.8

**TYPES OF UNITS**  
 1BHK 2BHK-1 2BHK-2 3BHK 4BHK

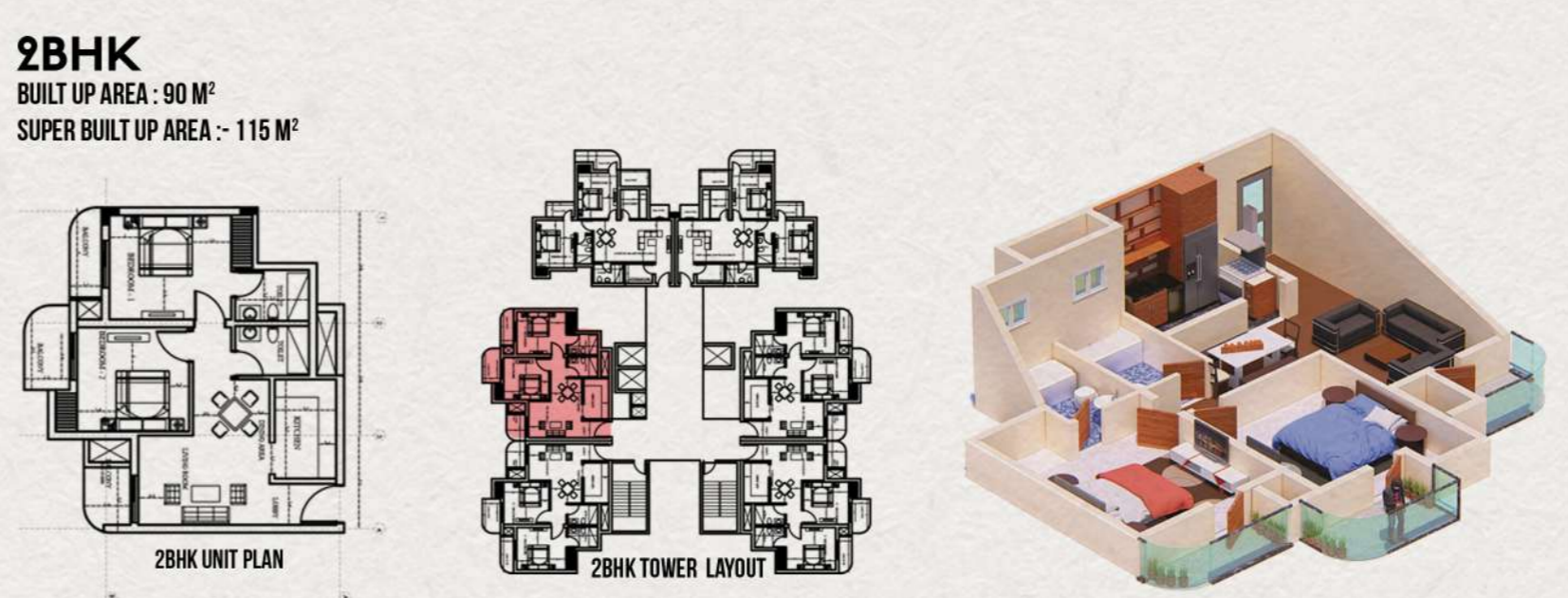
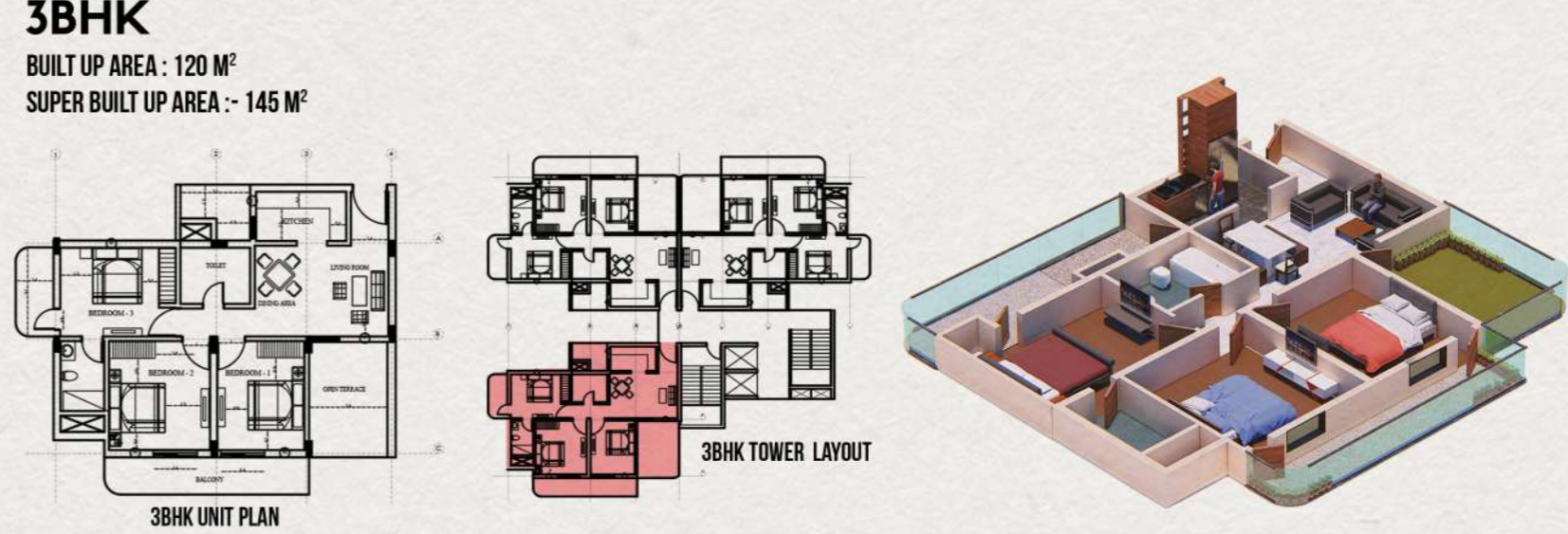
1BHK = 4 TOWERS (25 FLOORS)  
 2BHK = 4 TOWERS (20 FLOORS)  
 3BHK = 3 TOWERS ( 25 FLOORS)  
 4BHK = 2 TOWERS (25 FLOORS)



## 4BHK

BUILT UP AREA : 200 M<sup>2</sup>  
 SUPER BUILT UP AREA :- 237 M<sup>2</sup>

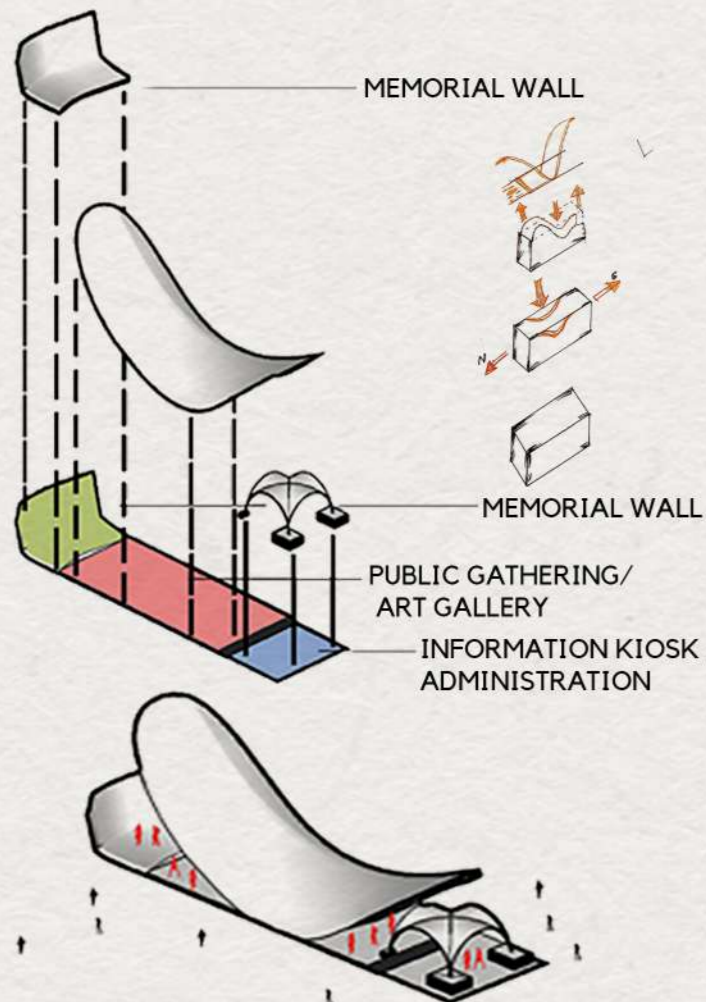
## PLANS & TOWER LAYOUTS



# TAJ AMITY PAVILLION

ARCHDAIS COMPETITION ENTRY

MUMBAI , MAHARASHTRA , INDIA



AMIDST THE BUSY ROADS OF MUMBAI, IN FRONT OF THE GATEWAY OF INDIA, A STATEMENT STANDS TALL. ONE THAT REMINDS US, NOT ONLY OF THE DARK HISTORY, BUT ALSO THE WILL OF THE INNOCENT. A WILL WHICH IS UNBENT AND UNBROKEN. FOR EVEN IN THE DARKEST OF TIMES, THE FIRES OF OUR WILL SHALL GLOW EVER FIERCER.

THE PAVILION, SHOWCASES AN ABSTRACT INTERPRETATION OF THE SERIES OF EVENTS THAT TOOK PLACE ON 26/11. THE DESIGN REVOLVES AROUND DIFFERENT STAGES OF EMOTIONS WHICH UNFOLDED AS THE EVENT TOOK PLACE.

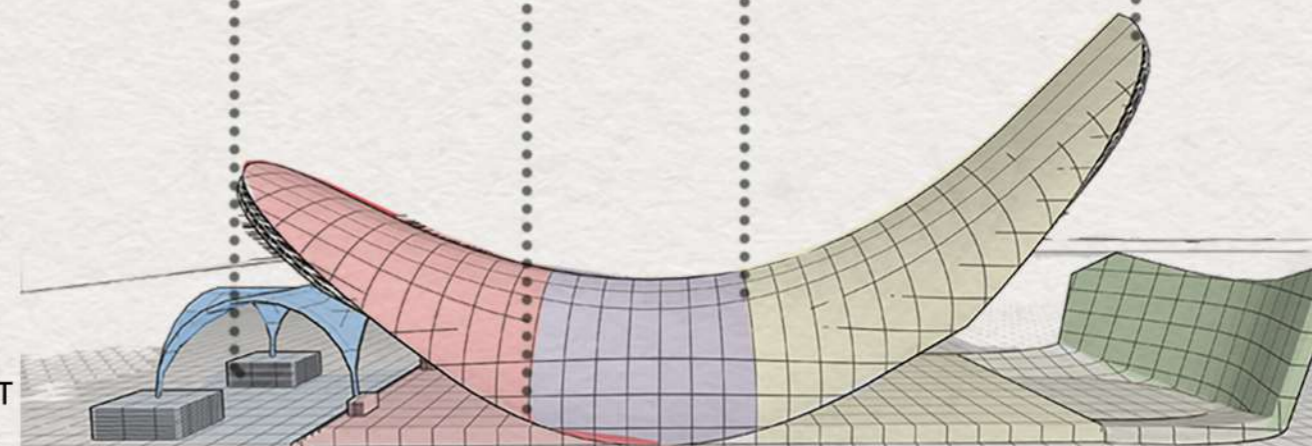
THE PAVILION STARTS WITH SYMMETRY AND BALANCE, WHICH RECIPROCATES TO THE INITIAL CALMNESS THAT WAS PRESENT BEFORE THE ATTACKS TOOK PLACE.

THE SUDDEN DISTORTIONS AND HUGE CURVES SYMBOLIZE INSTANT CONFUSION AND CHAOS, AS THE ATTACKS WERE TAKING PLACE AT THE TAJ HOTEL. HIGH CEILINGS AND A PLAY OF LIGHT ADD TO THE INTENSITY OF THE SITUATION WHICH TOOK PLACE.

THE CURVES NARROW DOWN TOWARDS THE CENTER TO CUT OFF LIGHT AND PROGRESSES IN AN AWKWARD FLOW, SHOWCASING DOWNFALL AND TRAUMA.

THE END CURVE WHICH PROGRESSES UPWARDS SHOWCASES HOPE. THE PLAY OF LIGHT ADDS TO THE FEELING OF LIFE AND REBIRTH. IT ALSO SHINES THE LIGHT TO THE MEMORIAL AT THE END OF THE PAVILION, TO PAY RESPECTS TO THOSE WHO WERE AFFECTED BY THE ATTACKS.

- |             |           |             |         |            |
|-------------|-----------|-------------|---------|------------|
| CALM        | DOWNFALL  | TRANSITION  | HOPE    | HONOR      |
| BALANCE     | FEAR      | OBSERVATION | LIGHT   | SALUTE     |
| HARMONY     | TERROR    | ACCEPTANCE  | REBUILD | PRAISE     |
| SYMMETRICAL | CONFUSION |             | AIM     | REMEMBERED |



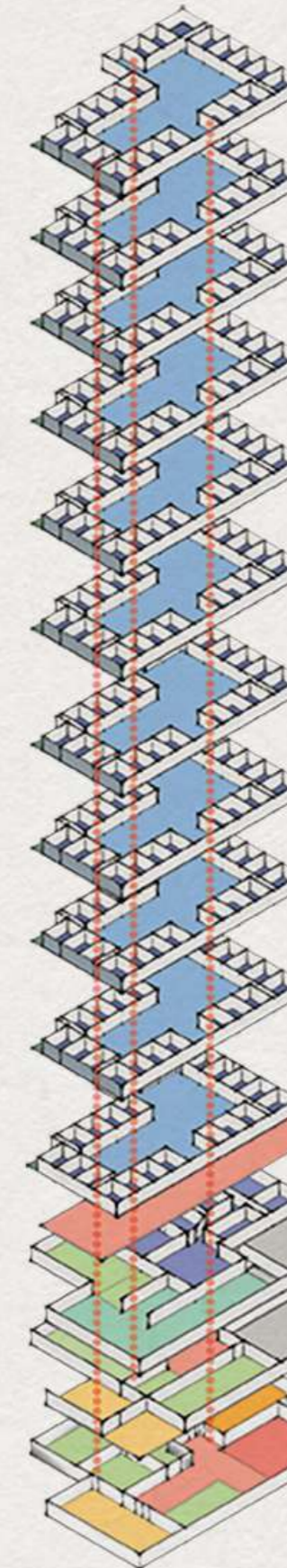
## STAGES OF 26/11 EXPLAINED METAMORPHICALLY



# BUSINESS HOTEL

FOR ITC GROUP

SECTOR 33 , NOIDA , U.P. , INDIA



## GROUND FLOOR :

GRAND ENTRANCE LOBBY  
FRONT OFFICE  
FINE DINE RESTAURANT  
MAIN KITCHEN  
COFFEE SHOP  
BANQUET HALL  
THE GRAND BALL ROOM.

## FIRST FLOOR :

BANQUET HALL  
FRONT OFFICE  
24 HOUR MULTI CUISINE  
RESTAURANT  
BALL ROOM  
KITCHEN.

## SECOND FLOOR :

BUSINESS CENTER  
WELLNESS CENTER  
RECREATIONAL AREA.

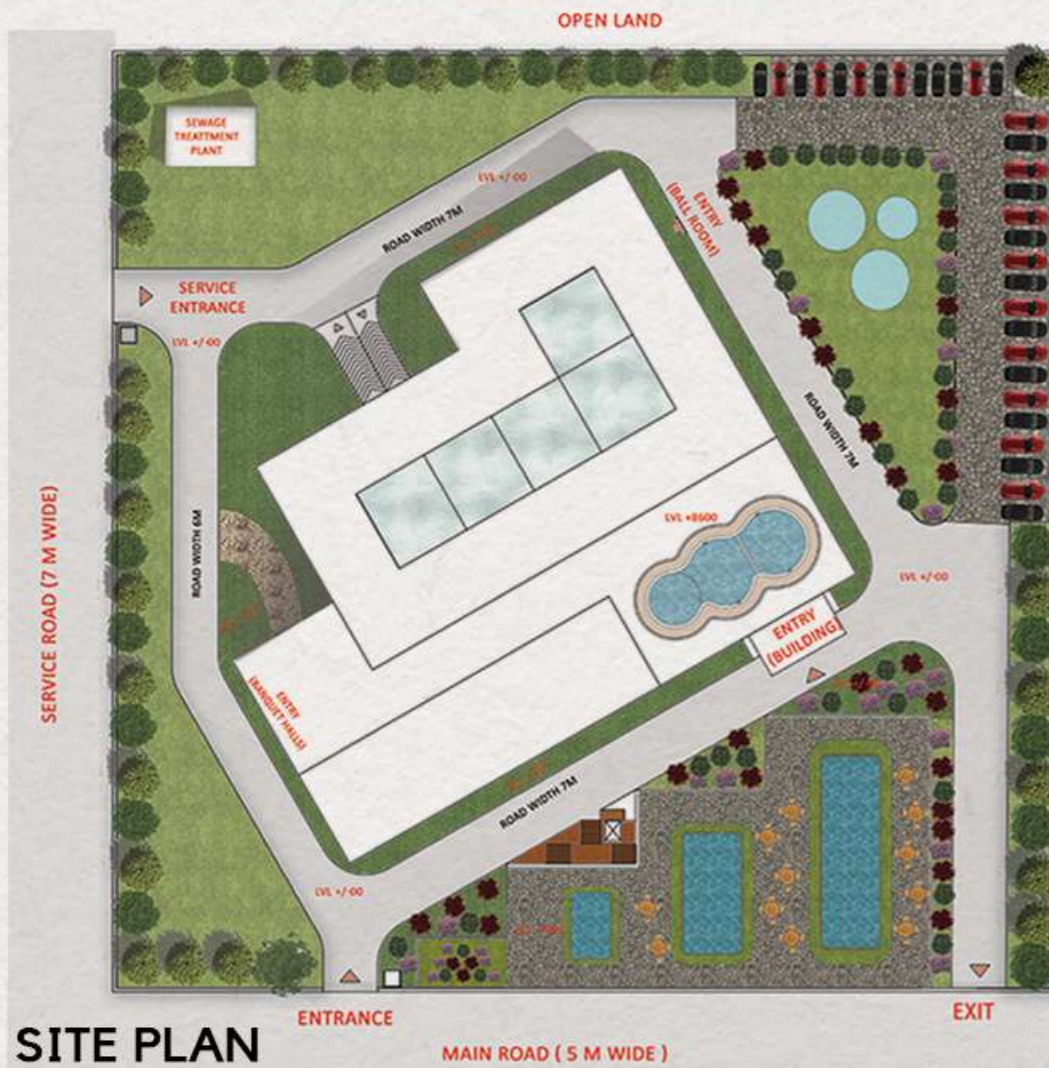
## SERVICE FLOOR :

SHAFTS  
SWIMMING POOL

## TYPICAL FLOORS:

STANDARD ROOMS  
DELUXE ROOMS  
LUXURY SUITES

<span style="color: red;">■</span>	ENTRANCE LOBBY
<span style="color: green;">■</span>	FOOD SERVICES
<span style="color: yellow;">■</span>	BANQUET HALLS
<span style="color: orange;">■</span>	BALL ROOM
<span style="color: lightblue;">■</span>	PUBLIC SPACE
<span style="color: red;">■</span>	VERTICAL CIRCULATION
<span style="color: purple;">■</span>	GUEST BEDROOMS
<span style="color: blue;">■</span>	PRIVATE AREA
<span style="color: darkblue;">■</span>	WELLNESS CENTER
<span style="color: green;">■</span>	FRONT OFFICE
<span style="color: grey;">■</span>	REFUGE AREA
<span style="color: teal;">■</span>	BUSINESS CENTER



## ABOUT THE PROJECT

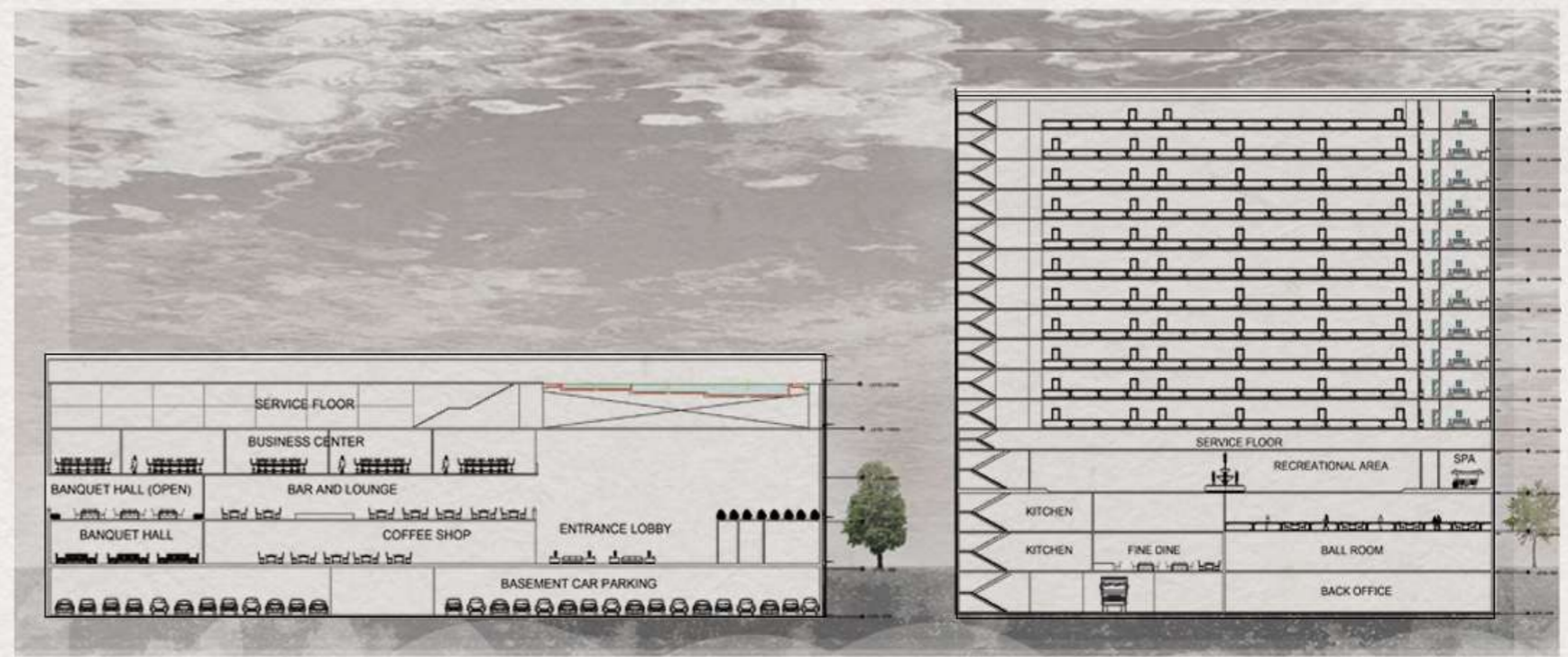
THE PROJECT IS A FIVE STAR BUSINESS HOTEL FOR ITC GROUP, LOCATED IN SECTOR 33 , NOIDA WHICH IS AT A SHORT DISTANCE FROM NOIDA CITY CENTER TOWER. THIS AREA IS QUITE LIKELY TO BECOME A BIG BUSINESS HUB IN THE COMING FUTURE, MAKING THIS PROJECT AN IDEAL FIT FOR THE CONTEXT.

ITC ( INDIAN TOBACCO COMPANY) IS A WELL RECOGNIZED BRAND AND IS ACKNOWLEDGED FOR ITS LUXURIOUS FIVE-STAR HOTELS ALL OVER THE WORLD. THUS, THE DESIGN IS DONE IN AN OPTIMAL WAY TO MEET ALL REQUIREMENTS OF THE USERS ( MAINLY BUSINESS/WORK ORIENTED GUESTS) AS WELL AS RESPONDING OPTIMALLY TO THE CLIMATE AND THE SITE'S CONTEXT.

THE GUEST ROOM CORRIDORS ARE SINGLY LOADED WITH A **LIGHT WELL** IN THE MIDDLE. THERE IS PROVISION OF AN AMPLE AMOUNT OF **INTERACTIVE** AND **RECREATIONAL** SPACES IN ORDER TO MAKE THE GUEST'S STAY A BOON. THE BUILDING IS ORIENTED ON A **NORTH-SOUTH AXIS** IN ORDER TO AVOID THE HARMFUL RADIATIONS OF THE SUN.

SITE PLAN

PLAN OF THE GUEST ROOM



INTERIOR OF THE GUEST ROOM



**EXTRUDED WINDOWS**  
WOODEN EXTRUSIONS TO INCREASE THE AESTHETIC APPEAL AS WELL AS PREVENT DIRECT SUN RADIATIONS

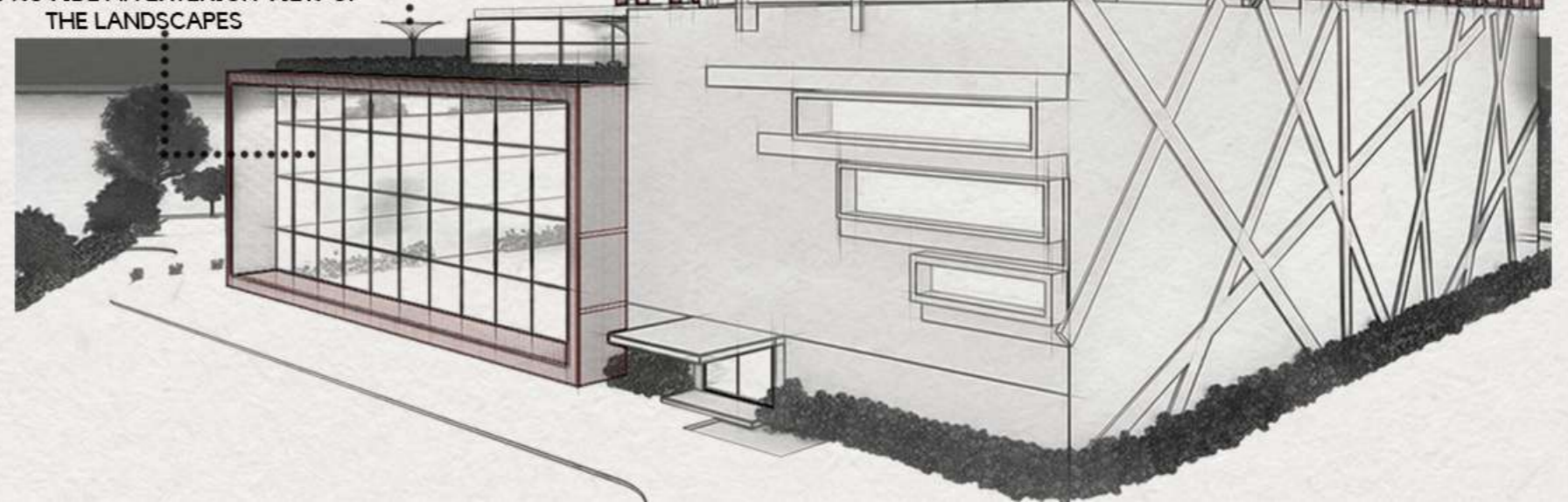
**GUEST ROOMS**  
GUEST ROOMS PLACED ON THE EXTERNAL SIDES WITH SINGLE LOADED CORRIDORS IN ORDER TO PROVIDE

**RECREATIONAL AREA**  
SEMI-OPEN RECREATIONAL AREAS ON A SEPARATE FLOOR TO AVOID DISTURBANCE TO THE GUESTS

**RESTAURANTS**  
RESTAURANTS WITH GLASS FACADE SO AS TO PROVIDE AN EXTERIOR VIEW OF THE LANDSCAPES



VIEW OF THE POOL



# CLINIC AND HEALTHCARE CENTER

VOLZERO'S UNBOX'17 COMPETITION ENTRY

RURAL AREAS , ODISHA ,INDIA

AN INITIATIVE FOR THE UNDERDEVELOPED

CLIMATE : TROPICAL

POPULATION : 43.73 BILLION

MAIN OCCUTION : AGRICULTURE

GEOGRAPHICAL TERRAIN : COASTAL

INFANT MORTALITY RATE : 49 DEATHS PER 1000 BIRTH

UNEMPLOYED YOUTH : 10,95,151

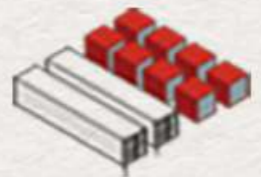


## FORM DEVELOPMENT

STAGE 1: A TOTAL OF 4 SHIPPING CONTAINERS ARE AVAILABLE FOR USE.



STAGE 2: TWO OF THE 4 SHIPPING CONTAINERS ARE DIVIDED INTO 8- EQUAL PIECES TO FORM CUBE-LIKE FORM



STAGE 3: ONE OF THE CONTAINERS ARE MORPHED INTO A CURVED SHAPE FOR BETTER USE OF SPACE. TWO FROM 8 AVAILABLE CUBES ARE USED.



IN THE LOWER FLOOR, 6 CUBES ARE USED, WITH EACH CUBE HAVING A PURPOSE.



FINAL STAGE: THE FINAL FORM ACHIEVED IS A G+1 STRUCTURE.



## CIRCULATION STUDY

1.THE UPPER FLOORS ARE ACCESSIBLE THROUGH 4 STAIRWAYS.

2.TWO STAIRWAYS ACT AS ENTRY AND EXIT TOWARDS THE PHARMACY.

3.ONE STAIRWAY IS FOR ENTRY TOWARDS THE DOCTOR'S ROOM AND WASHROOM.



## PASSIVE COOLING: CROSS VENTILATION



## CONSTRUCTION MATERIALS USED



SHIPPING CONTAINERS



BAMBOO (FLOORING)



WASTE PVC



STRAW INSULATION



WOOD FOUNDATION

## PROJECT GOALS

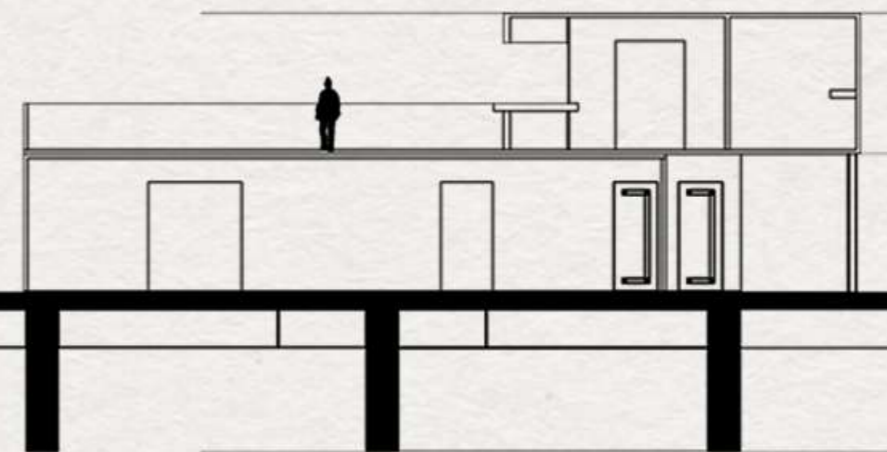
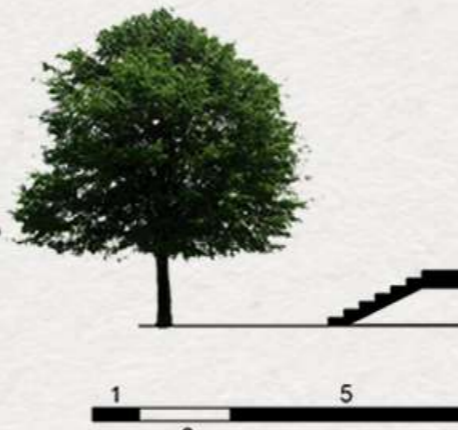
1. TO PROVIDE ACCESS TO BETTER HEALTHCARE TO THE LOCALS
2. TO USE LOCAL MATERIALS WHICH ARE ABUNDANT AND COST EFFECTIVE
3. TO PROVIDE AN ECONOMICALLY VIABLE AND SUSTAINABLE MEANS FOR CONSTRUCTION OF BUILDINGS
4. TO CONTROL VIRAL OUTBREAKS BY PROVIDING PROPER ISOLATION THROUGH PROPER DESIGN OF SPACES
5. TO INCREASE EMPLOYMENT OPPORTUNITIES.

## CHALLENGES FACED BY RURAL AREAS

1. LACK OF HEALTHCARE INFRASTRUCTURE
2. TO TRAVEL LONG DISTANCES FOR HEALTHCARE
3. RURAL AREAS CANNOT AFFORD TO VISIT HIGH-END HOSPITALS DUE TO POOR ECONOMIC BACKGROUND; HESITATES TO GET TREATMENT
4. RURAL GOVERNMENTS HAVE LOW BUDGET FOR CONSTRUCTION OF NEW BUILDINGS



**ELEVATION 1**



TERRACE (+6450)

FIRST FLOOR (+3730)

GROUND FLOOR (+1050)

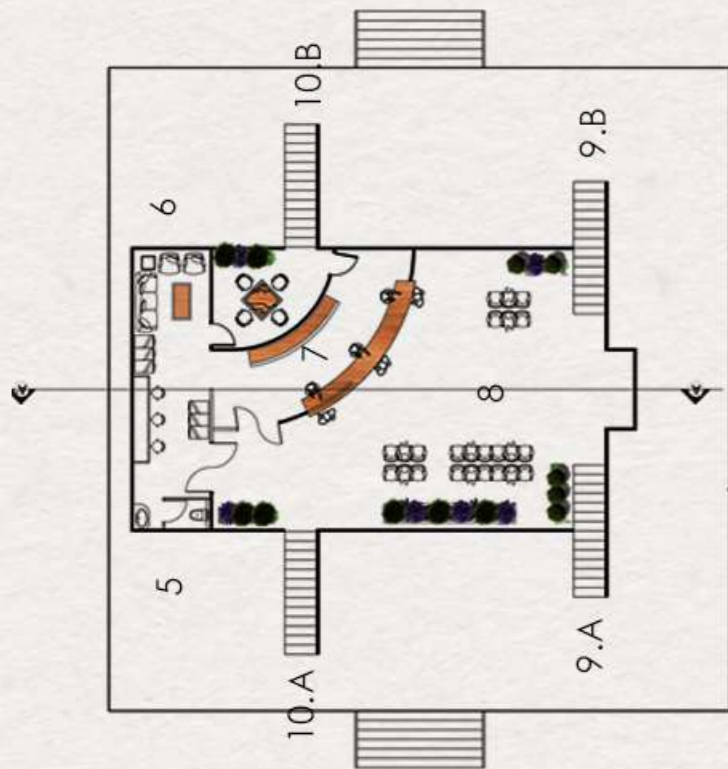
GROUND LVL(+00)

PLINTH BASE(-2000)

**SECTION A-A'**



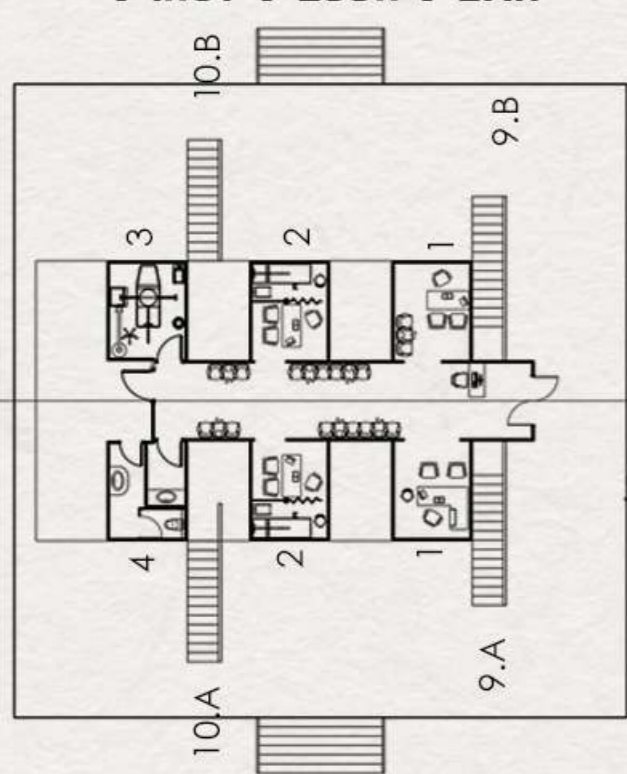
**ELEVATION 2**



**FIRST FLOOR PLAN**

**LEGEND**

- 1. CONSULATION ROOMS
- 2. TREATMENT ROOMS/ISOLATION CHAMBER
- 3. MINOR OPERATION THEATRE
- 4. WASHROOM FOR M/F
- 5. WASHROOM FOR DOCTORS
- 6. DOCTOR'S ROOM
- 7. PHARMACY/FRESH MEDICAL EQUIPMENT
- 8. WAITING AREA
- 9.A- ENTRY
- 9.B- EXIT
- 10.A- ENTRY TO DOCTOR'S ROOM
- 10.B- ENTRY TO PHARMACY



**GROUND FLOOR PLAN**



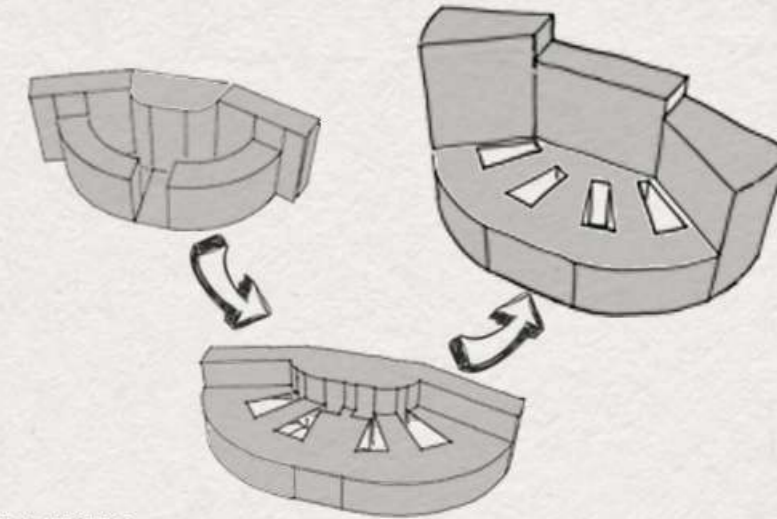
# MOTHER & CHILD WELFARE CENTRE

ETHOS TRANSPARENCY ENTRY

RAJARAT, KOLKATA, WEST BENGAL

RAJARAT IS IN THE NEWTOWN LOCALITY OF KOLKATA, WHICH IS A RAPIDLY EVOLVING NEIGHBORHOOD. THE DESIGN PROBLEM WAS TO DESIGN A MOTHER AND CHILD WELFARE CENTER WHICH HAS 120 BEDS. INCLUDING SINGLE ROOMS AS WELL AS DORMITORIES. THE DESIGN INCORPORATES VARIOUS CONCEPTS WHICH WILL HELP IN GUARDING THE MOTHER AND CHILD LIKE AN OUTER PROTECTIVE SHELL AND DEVELOP A HEALING SPACE WHICH HAS VISUAL PERCEPTION

PROTECTIVE HEALING SPACES



## SHELLS

THE FORM OF THE STRUCTURE IS INSPIRED BY A SHELL. THE SHELL ACTS AS AN OUTER PROTECTIVE COVER, IN A SIMILAR WAY THE STRUCTURE ACTS AS A PROTECTION TO THE MOTHER AS WELL AS THEIR BABY.



## VISUAL PERCEPTION

A TENDENCY TO NOTICE OR PERCEIVE SOME OF THE ELEMENTS OF OUR SURROUNDING WHILE IGNORING OTHERS.



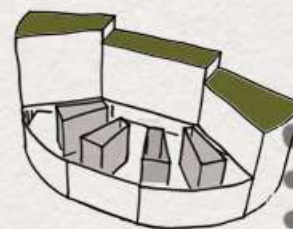
WITH THE HELP OF SELF-CREATED VIEWS IN THE HOSPITAL COMPOUND AS WELL AS THE BEAUTIFUL VIEW OF THE LAKE FROM THE HOSPITAL THE PATIENTS WOULD HEAL FASTER WITH MORE POSITIVITY

## DESIGN PRINCIPLES AND CONCEPT



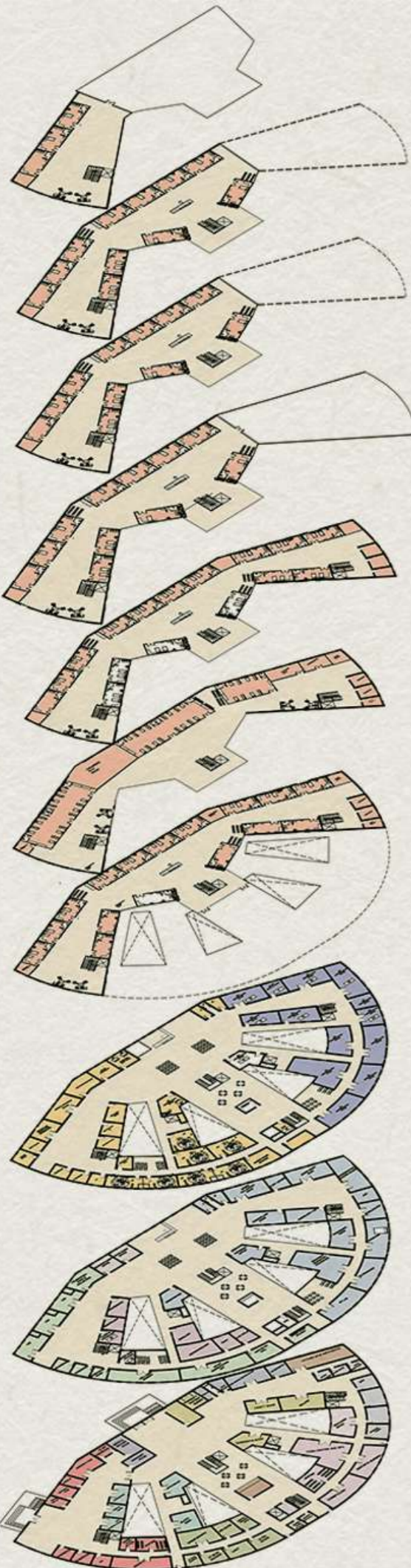
## ATRIUMS

USE OF ATRIUMS TO RESPOND TO THE MICRO-CLIMATE WHICH WILL IN TURN HELP IN COOLING THE INNER PORTIONS OF THE HOSPITAL AND WOULD HELP REDUCING THE ENERGY LOAD ON THE BUILDING BY LETTING IN THE NATURAL LIGHT.



## LEVELS

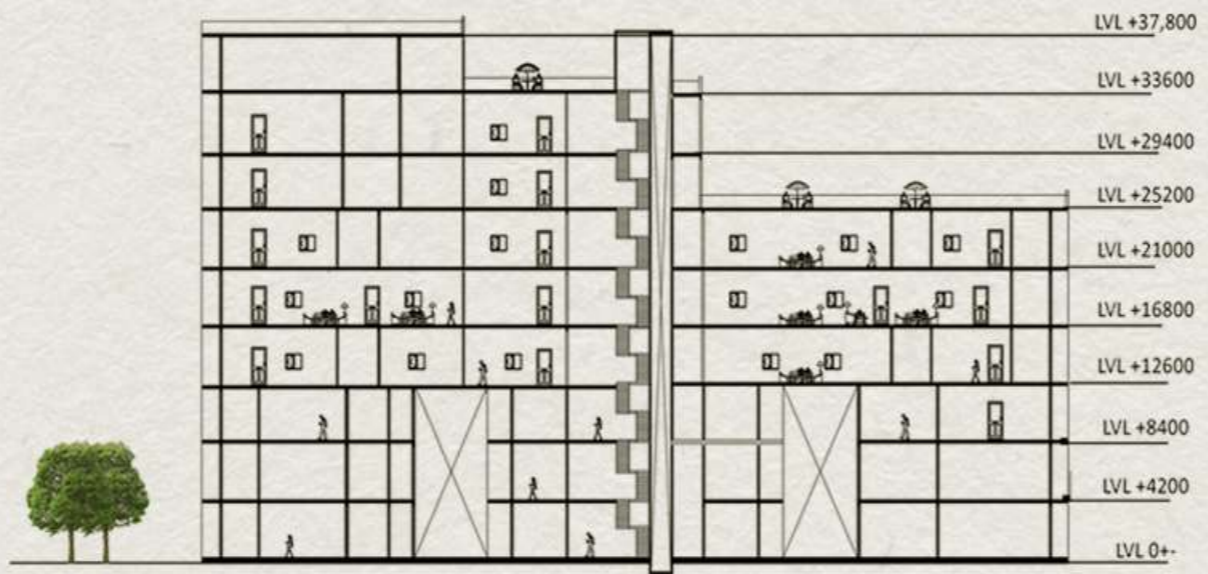
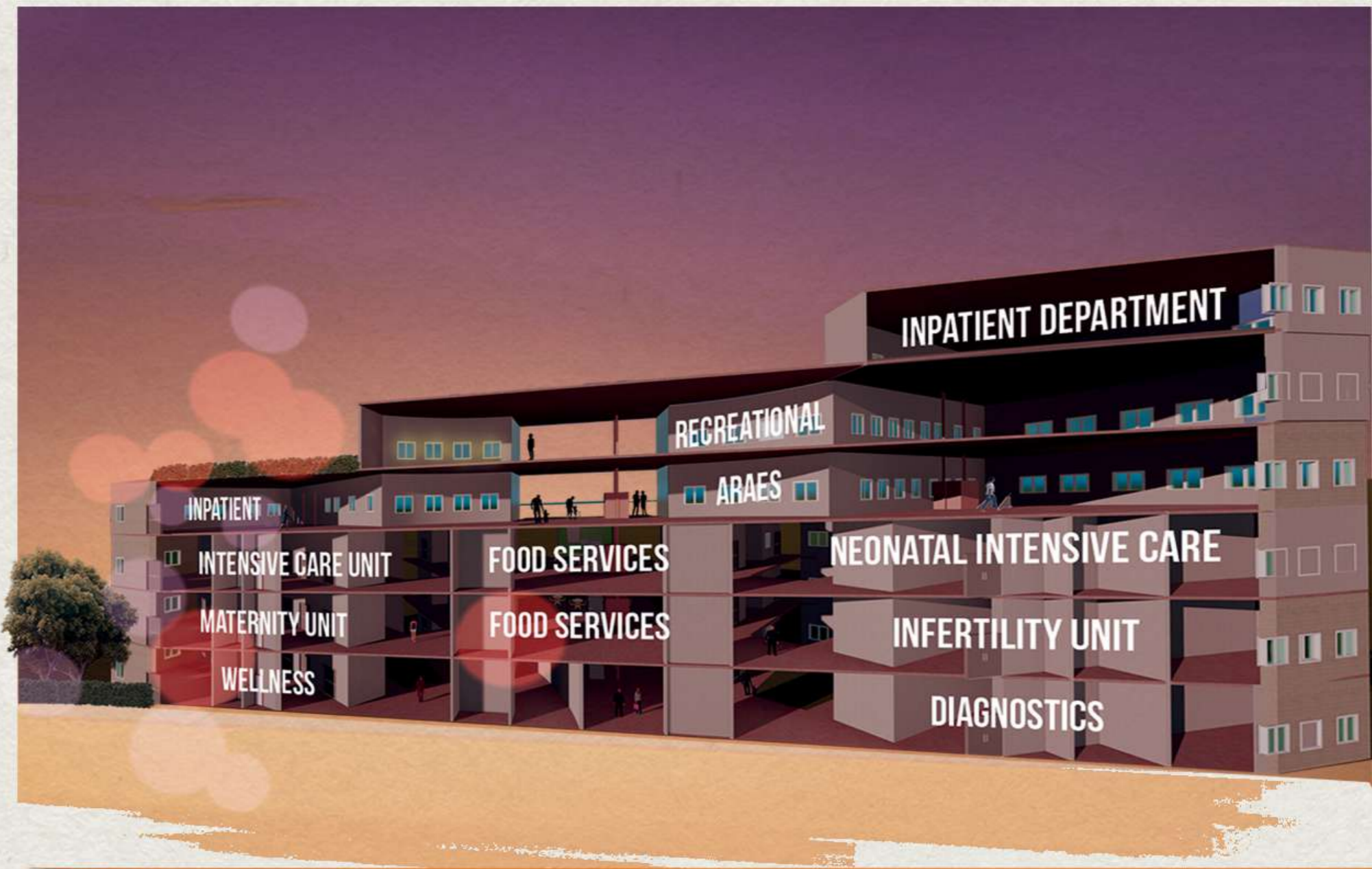
USE OF LEVELS TO CREATE A VISUALLY APPEALING SCENE AS WELL AS TO PRODUCE OPEN TERRACE SPACES AT LEVELS WHERE WE HAVE THE INPATIENT ROOMS IN ORDER TO CREATE A RECREATIONAL AND PEACEFUL PLACE FOR THE PATIENTS NEAR TO THEM.



**LEGEND**

CIRCULATION
ADMINISTRATION/ SERVICE
EMERGENCY DEPARTMENT
OUTPATIENT DEPARTMENT
DIAGNOSTICS
WELLNESS UNIT
FOOD SERVICES
ADDITIONAL SERVICES
MATERNITY UNIT
DIAGNOSTICS : LAB
INFERTILITY UNIT
INTENSIVE CARE UNIT
NEONATAL INTENSIVE CARE UNIT
INPATIENT UNIT

**3-D SECTION SHOWING ZONING**



**EXPLODED VIEW SHOWUING ZONING**

**FREESTYLE SKETCHES**



**MISCELLANEOUS INTERIOR RENDERS**



**MISCELLANEOUS PROJECTS**



**ARCHITECTURAL PHOTOGRAPHY**



**ARCHITECTURAL MODEL MAKING**

