

ARCHITECTURAL  
PORTFOLIO

**ANJALI PRIYA**

B . A R C H   2 0 2 0

SELECTED WORKS | JADAVPUR UNIVERSITY |  
2015 - 2020



# RESUME

## EDUCATION

2015 - 2020 • JADAVPUR UNIVERSITY | KOLKATA  
BACHELORS OF ARCHITECTURE | 8.73 CGPA

2012 - 2014 • JAWAHAR VIDYA MANDIR | RANCHI  
HIGHER SECONDARY | 86.5%  
SECONDARY | 10 CGPA

## ACHIEVEMENTS

- 2015 • KHITIJ IIT KHARAGPUR ART DE VOUS
- 2016 • GREEN REVOLUTION PARTICIPATION
- 2017 • ZONASA 2K17 DESIGNII FIRST RUNNER UP
- 2017 • MEASURE DRAWING RANI ROOPMATI PAVILLION
- 2019 • BEST STUDENT OF THE YEAR AMIGA BANERJEE AWARD
- 2020 • CERTIFICATION ENVIRONMENTAL ANALYSIS

## EXPERIENCES

- 2019 • **SMART CITY**
  - Produce visual graphics for presentation in Ranchi smart city projects.
  - Planning and designing housing units and producing DPR with assistance of smart city urban planning department.
  - Gained valuable experience in PPP model and ABD development strategies.
- 2018 • **TEAM 3**
  - Responsible for project coordination and providing solutions with clients & consultants in large scale commercial projects.

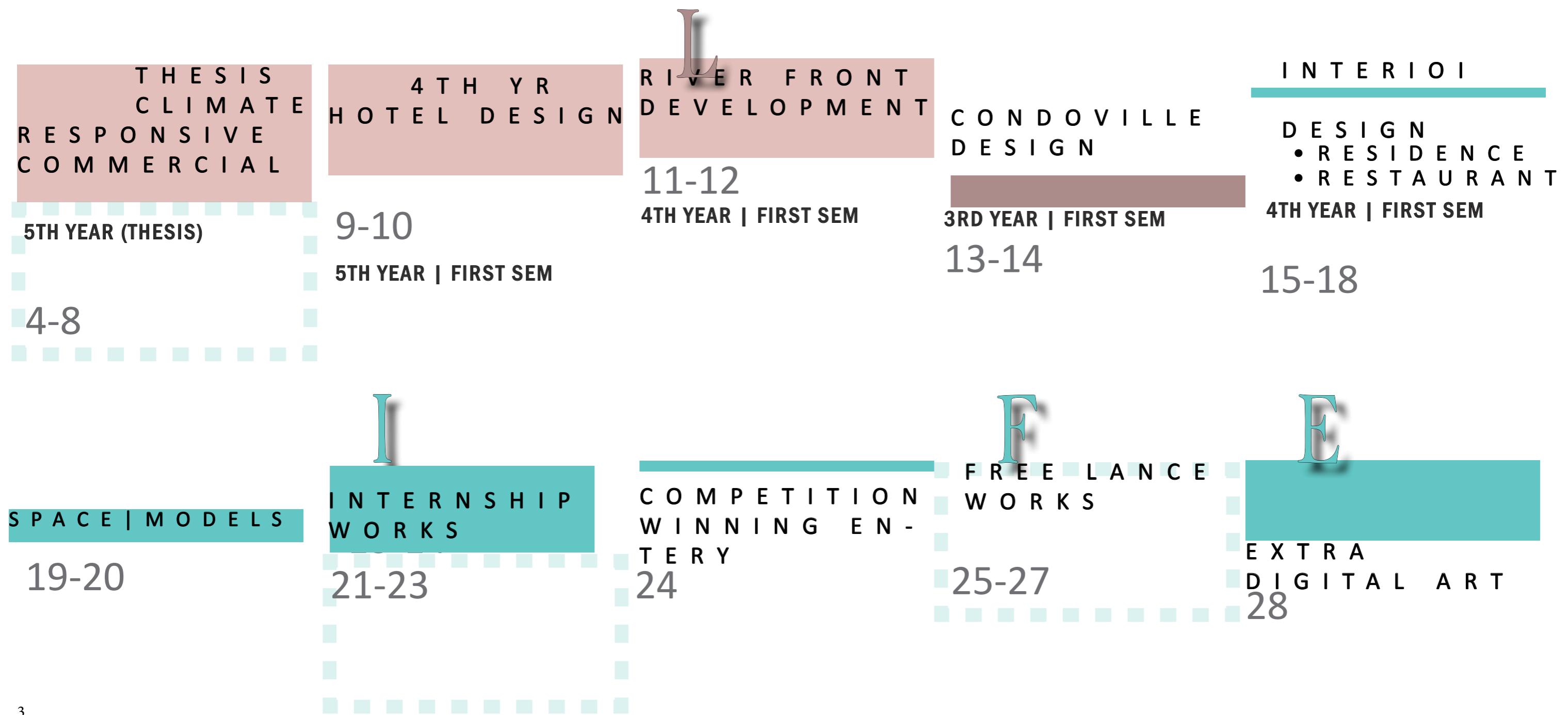
## About me

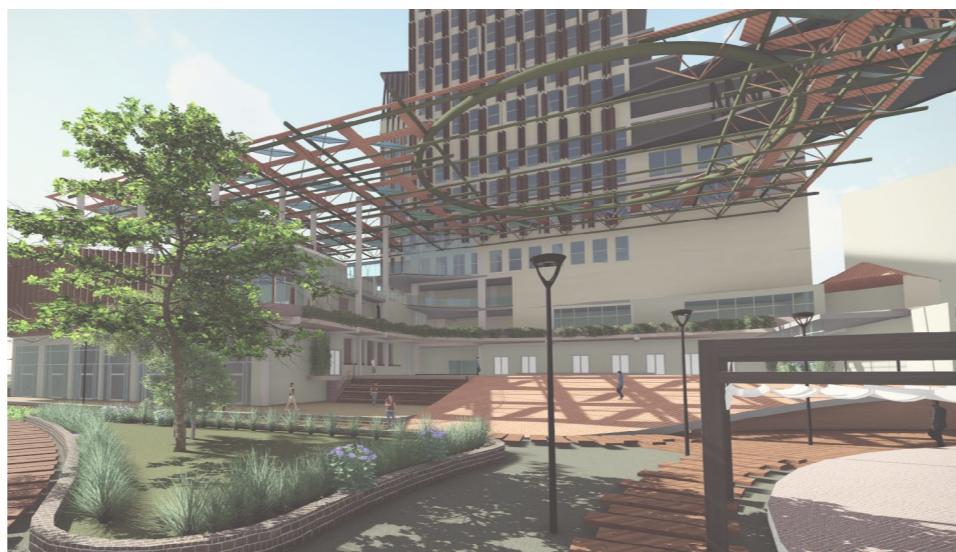
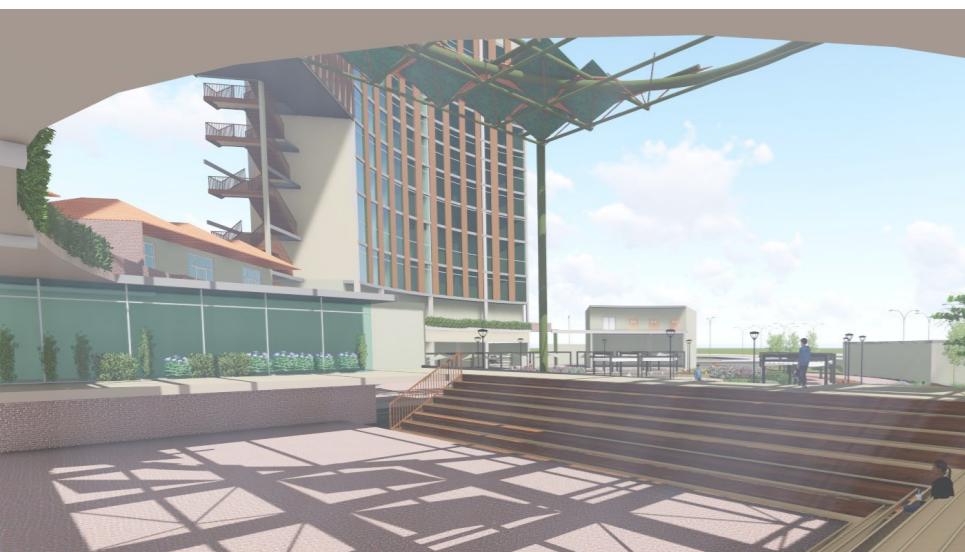
As an architect by profession I am drawn towards holistic design that cultivates positive changes within the environment via sustainable and parametric design approach.

I believe great design breaks convention and proposes new paradigm for experiencing and understanding architecture.

AUTOCAD	● ● ● ● ● ●	SKETCHUP	● ● ● ● ○ ○	DIALUX	● ● ● ● ○ ○
REVIT	● ● ● ● ● ○	PIMEVERA	● ● ○ ○ ○ ○	INDESIGN	● ● ● ● ○ ○
LUMION	● ● ● ● ● ○	PHOTOSHOP	● ● ● ● ● ●	AFTER EFFECTS	● ○ ○ ○ ○ ○
3DS MAX	● ● ● ● ● ○	MICROSOFT OFFICE	● ● ● ● ● ●	ILLUSTRATOR	● ● ● ○ ○ ○
RHINO + GRASSHOPPER	● ● ● ○ ○ ○	INDESIGN	● ● ● ● ● ○		

# W O R K S



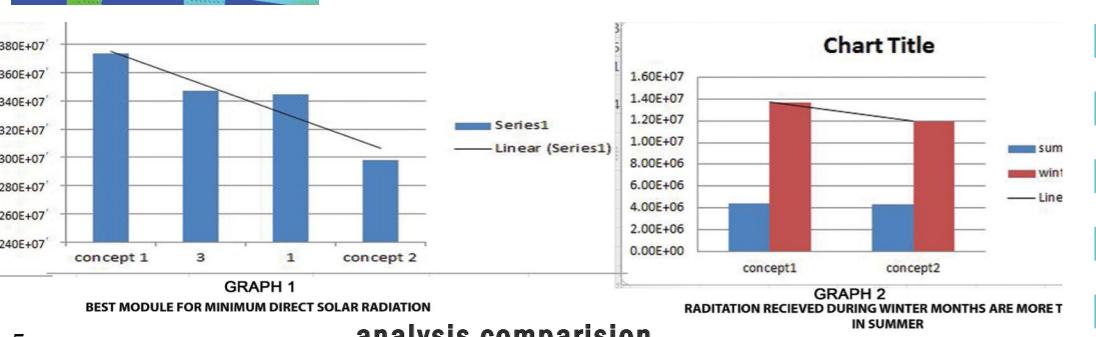
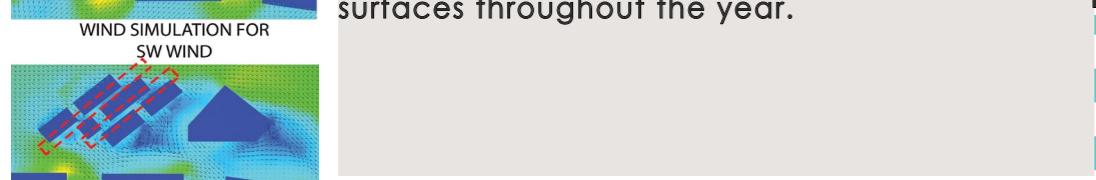
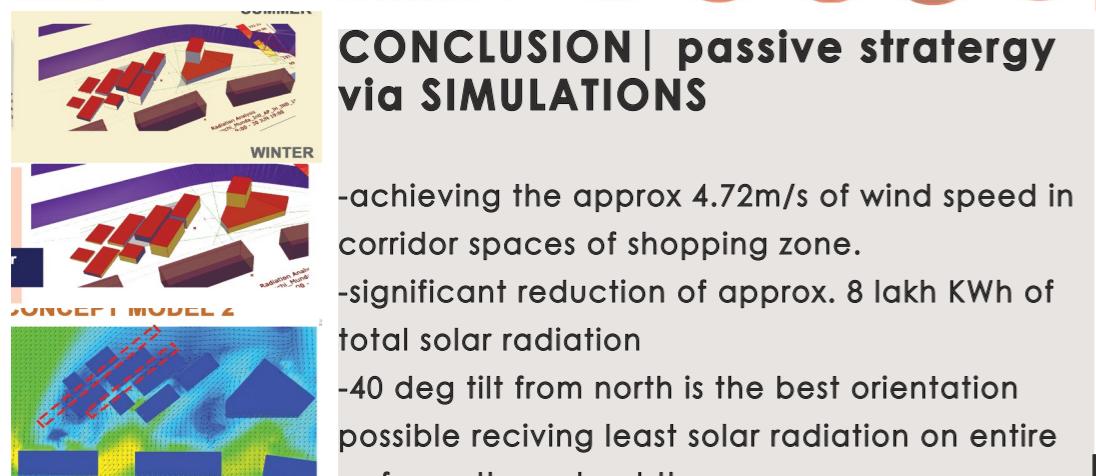
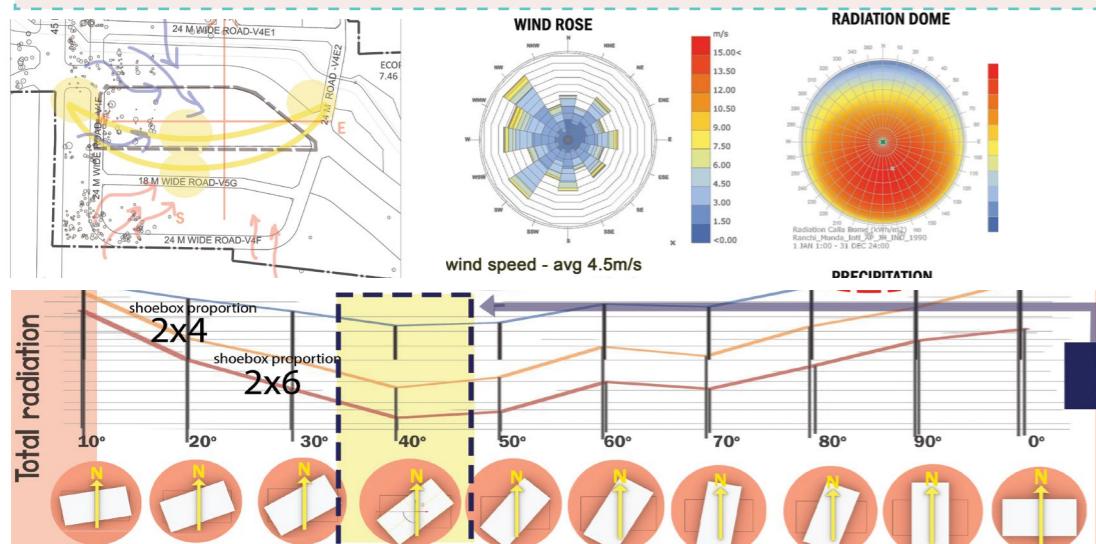


**COMMERCIAL DESIGN  
MALL + OFFICE | RANCHI SMART CITY**

# CLIMATE RESPONSIVE ARCHITECTURE GUIDED BY PARAMETRIC APPROACH OF DESIGN

## OBJECTIVES

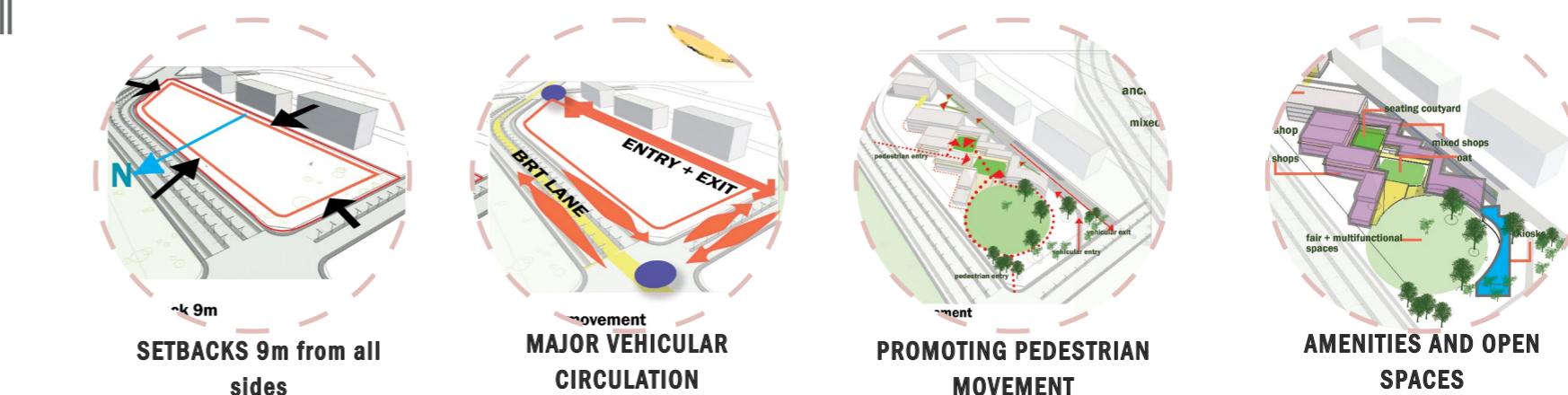
- To study culture and tradition of shopping spaces in India.
- To analyze and derive the optimum spatial characteristics for shopping center with relationship to the climatic condition based on case studies in Indian context.
- To design climate responsive shopping center.
- To use the computational methods to showcase the optimum design solution for the shopping center.



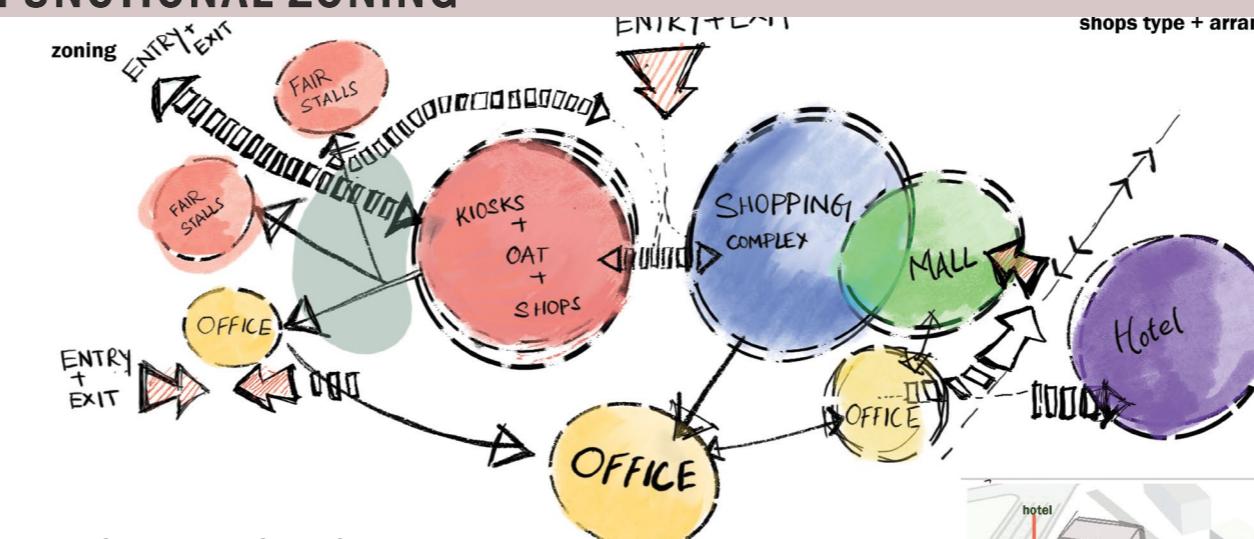
LOCATION- SMART CITY , HEC Dhurva ,RANCHI

## AIM

Design state of art commercial center conducive to the local climatic context and reflects the culture of shopping in India.

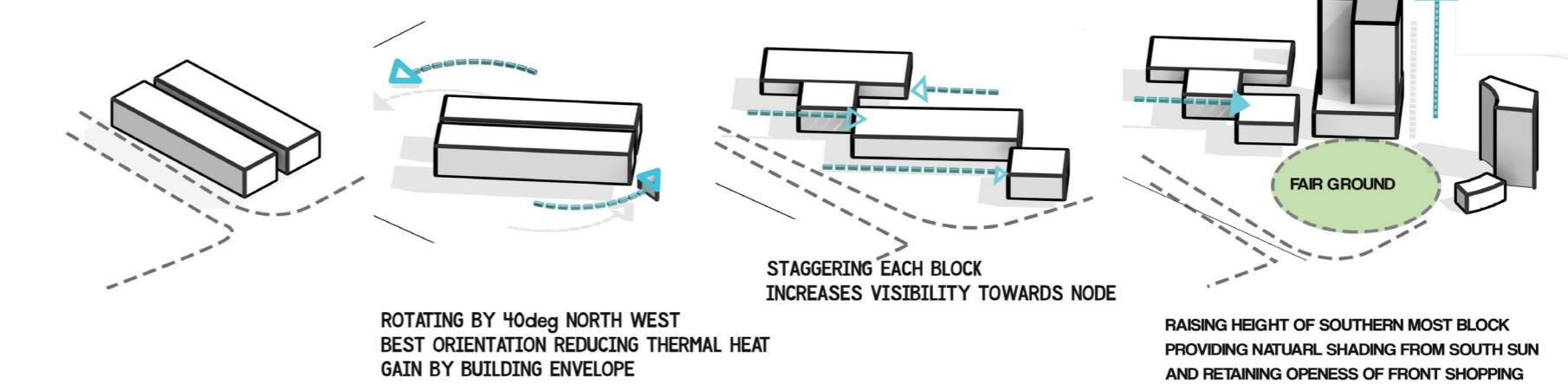


## FUNCTIONAL ZONING

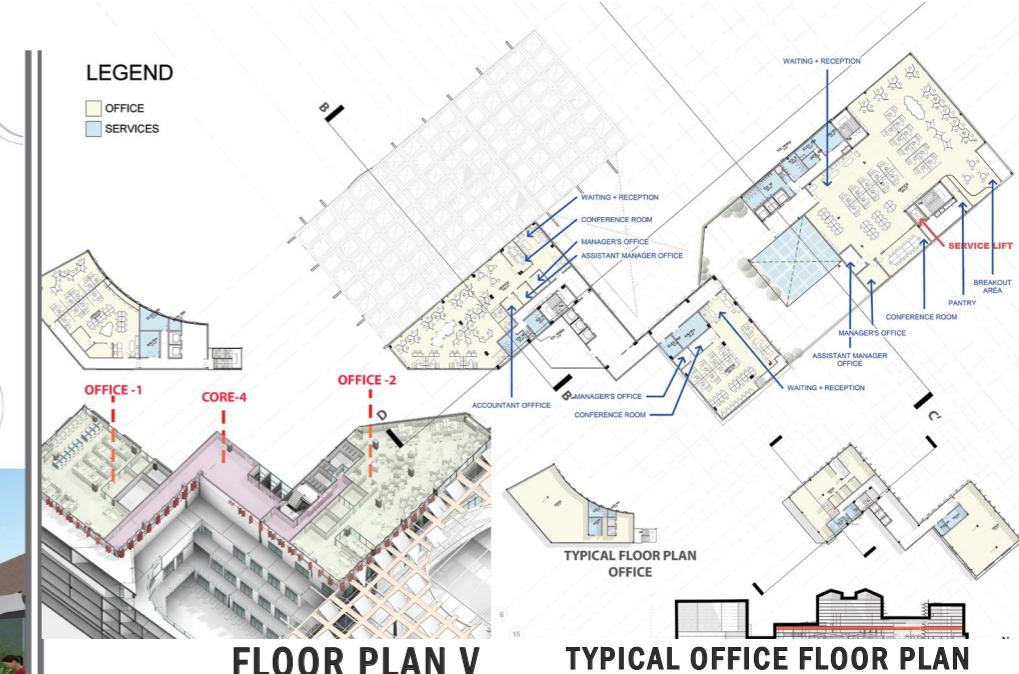
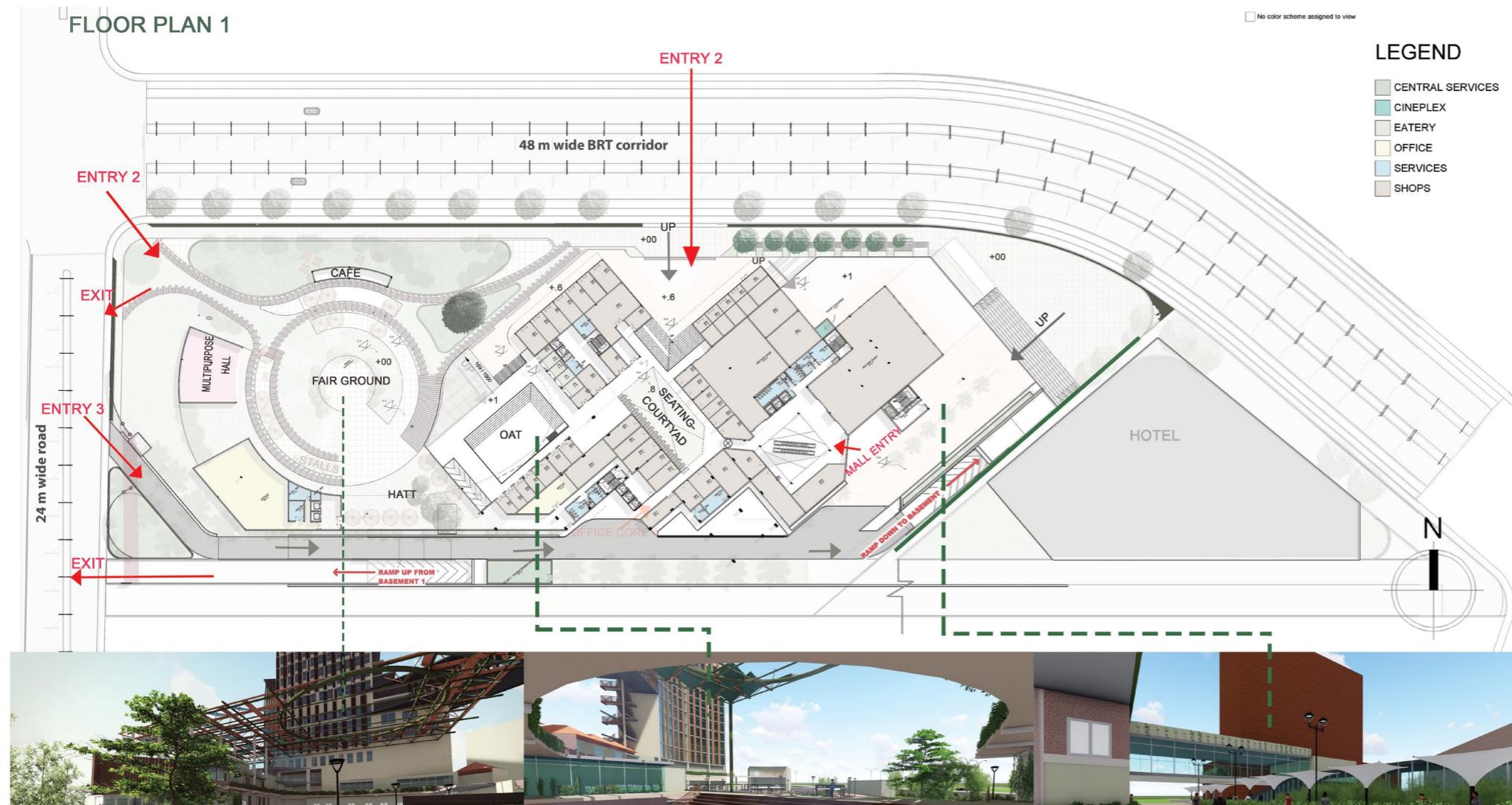


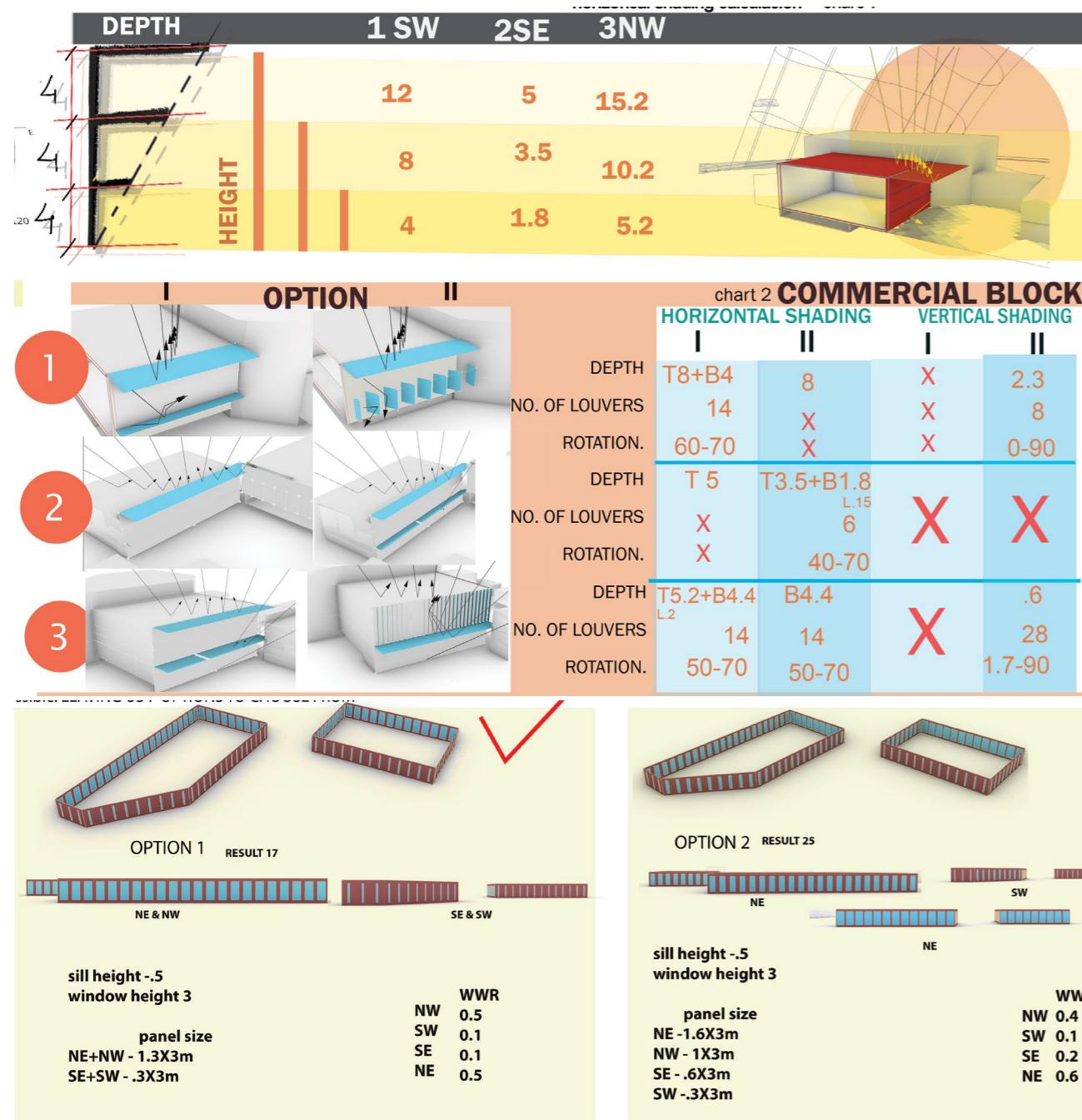
SITE AREA	33592.08 sqm
FAR	3.50
TOTAL BUILTUP AREA	117908.2008sqm
GROUND COVERAGE	941.7032sqm
PERMISSIBLE AREA	NO RESTRICTION
FAR ACHIEVED	69437.80sqm
PARKING ACHIEVED	340
GREEN AREA	15 % SITE AREA

## DEVELOPMENT OF FORM



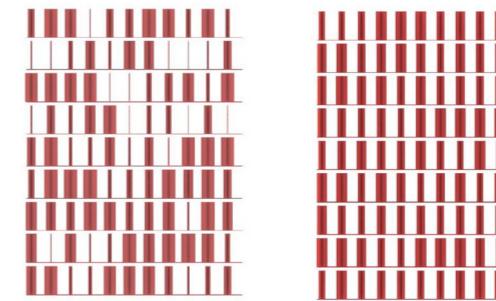
# SITE PLAN





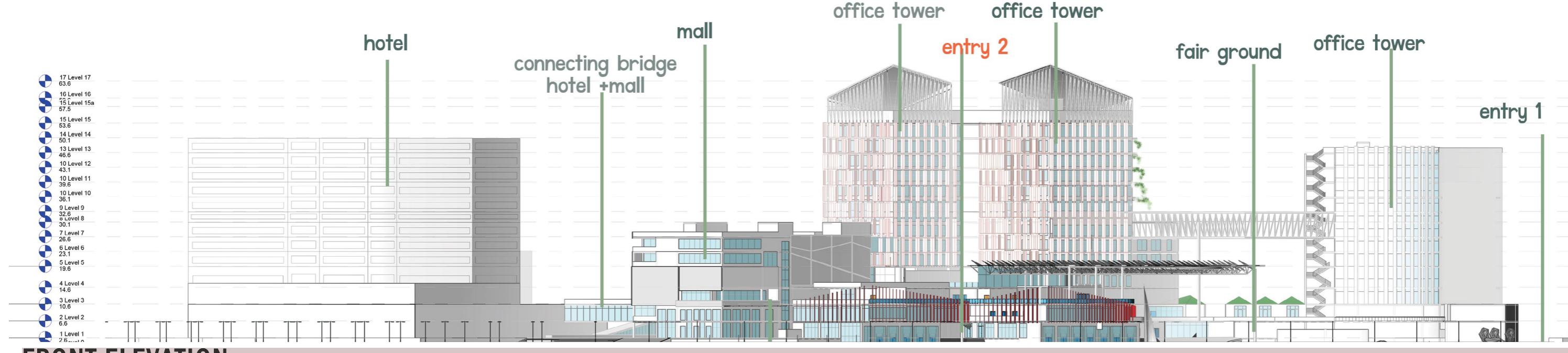
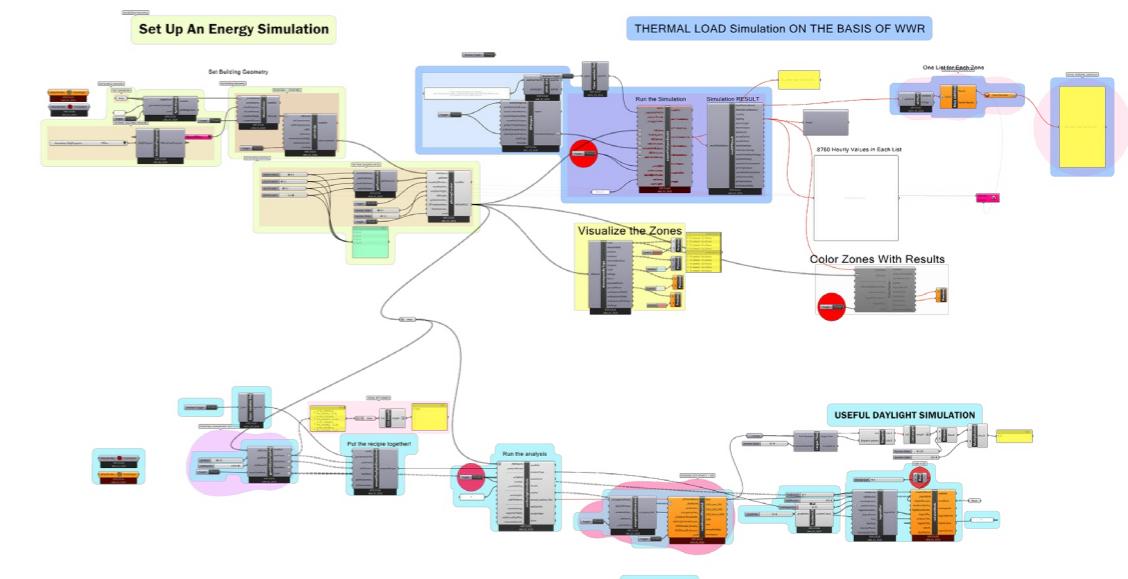
## ENVELOPE DESIGN

AIM1 -To design effective shading devices to minimize active measures of cooling in commercial zones.



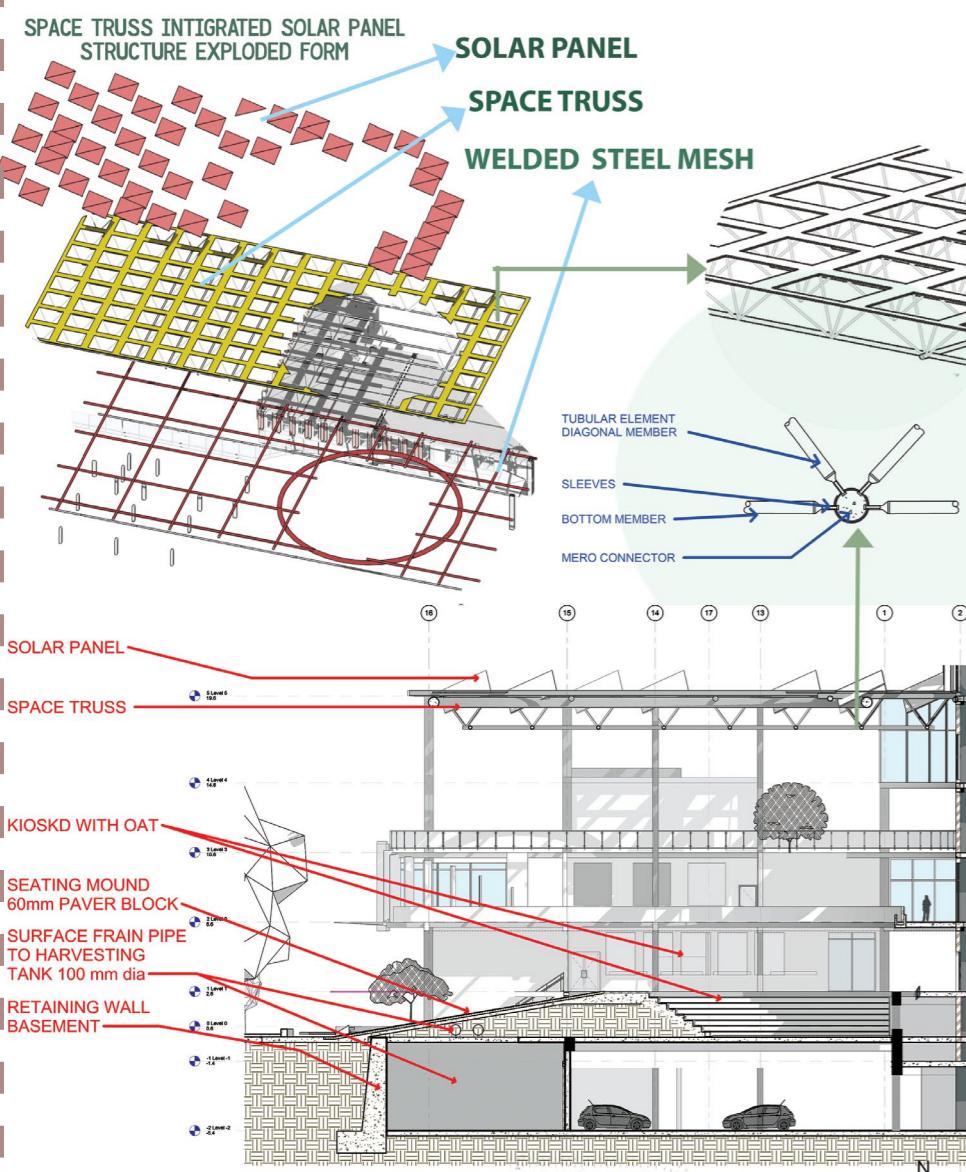
rhino raytrace results. →

AIM 2- To achieve optimum balance between UDI Level and WWR within office tower by designing parametric facade panel responsive to cardinal direction.

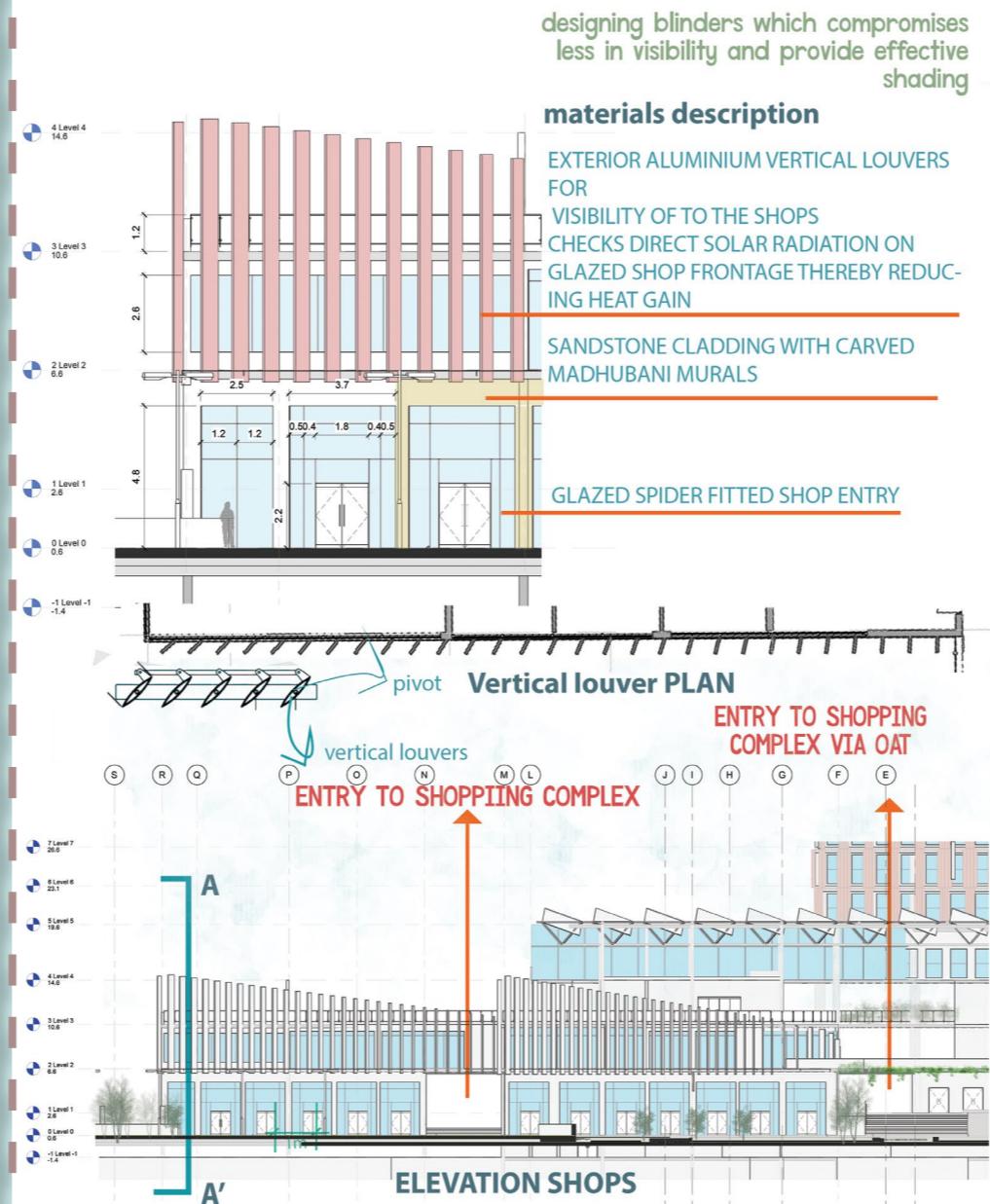


# DETAIL

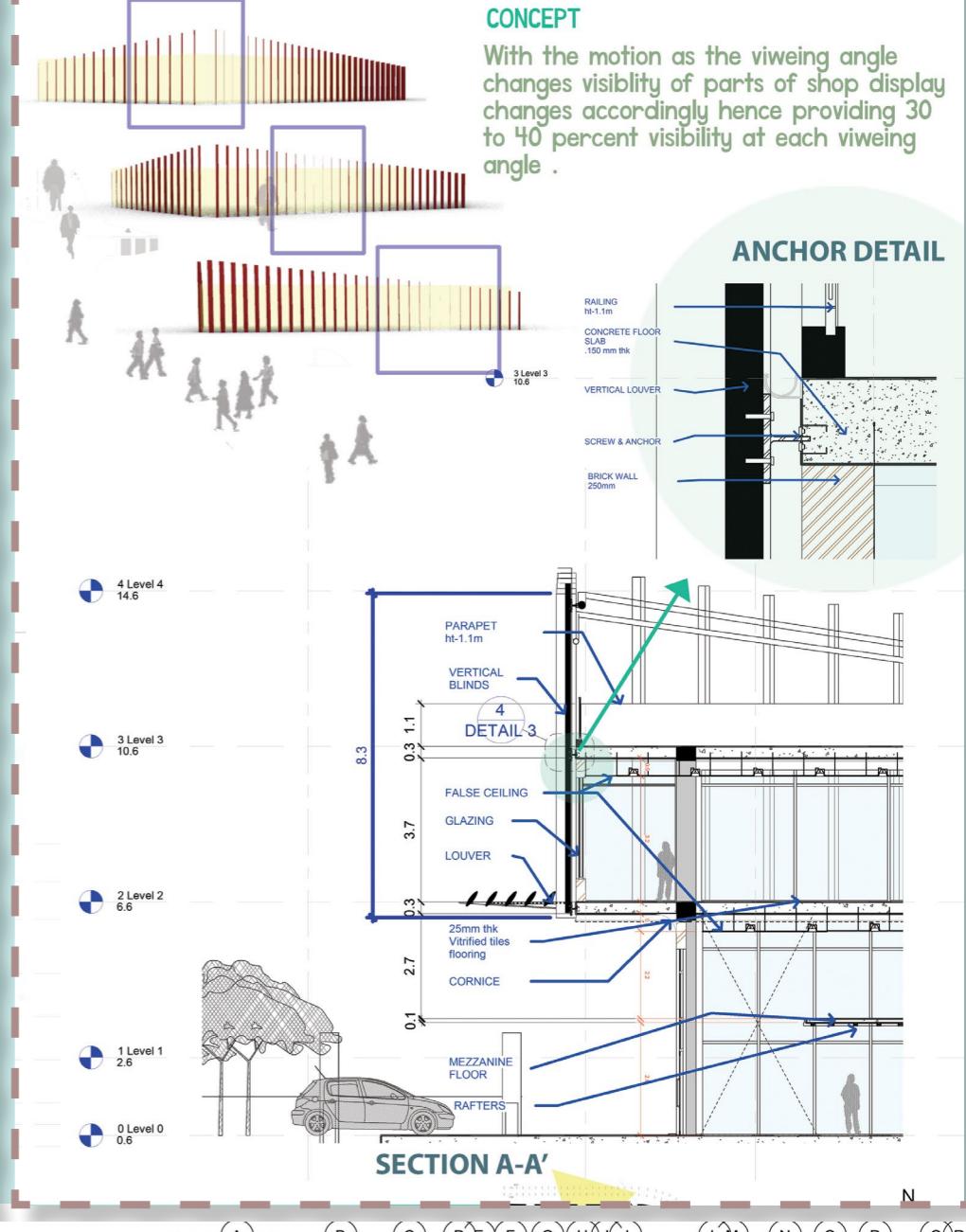
## OAT PART SECTIONS + STRUCTURAL DETAILS



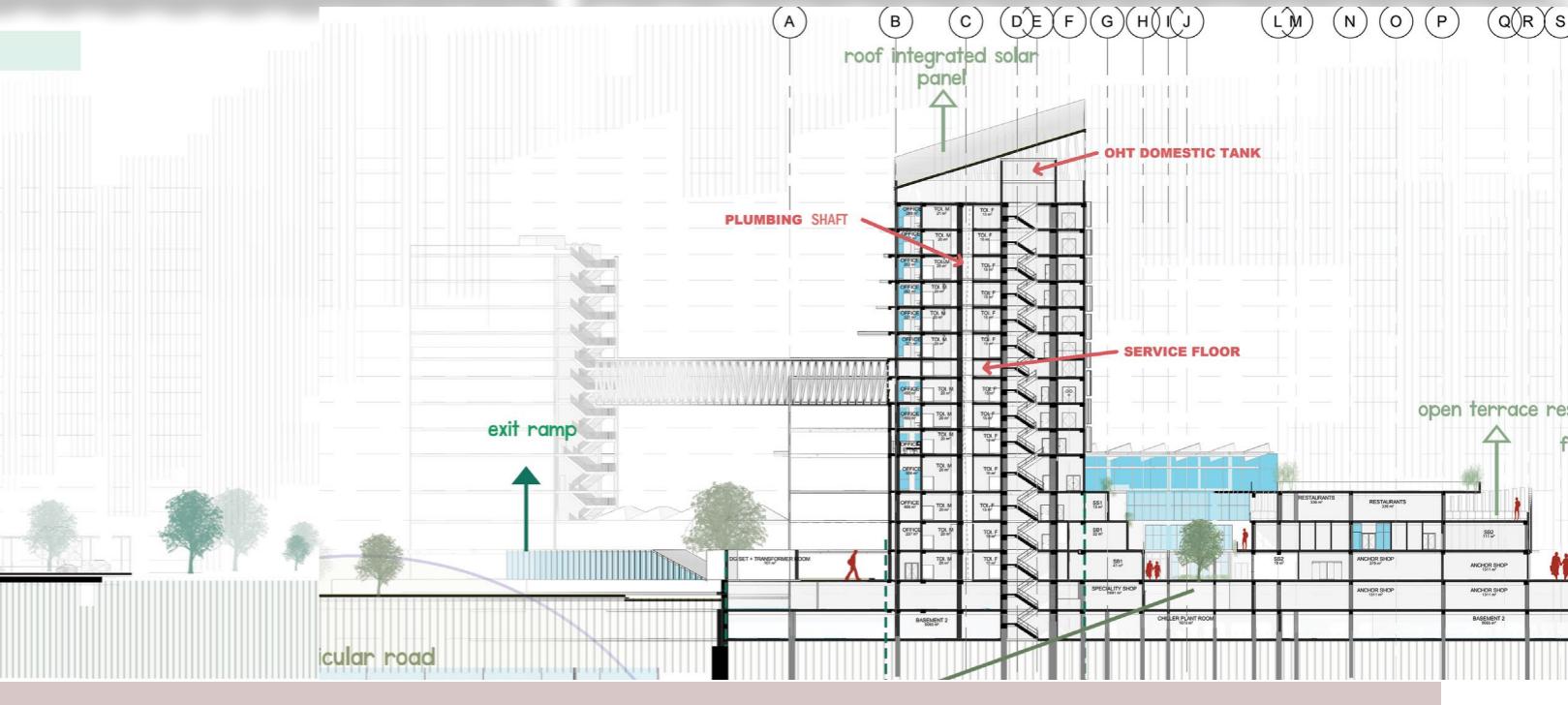
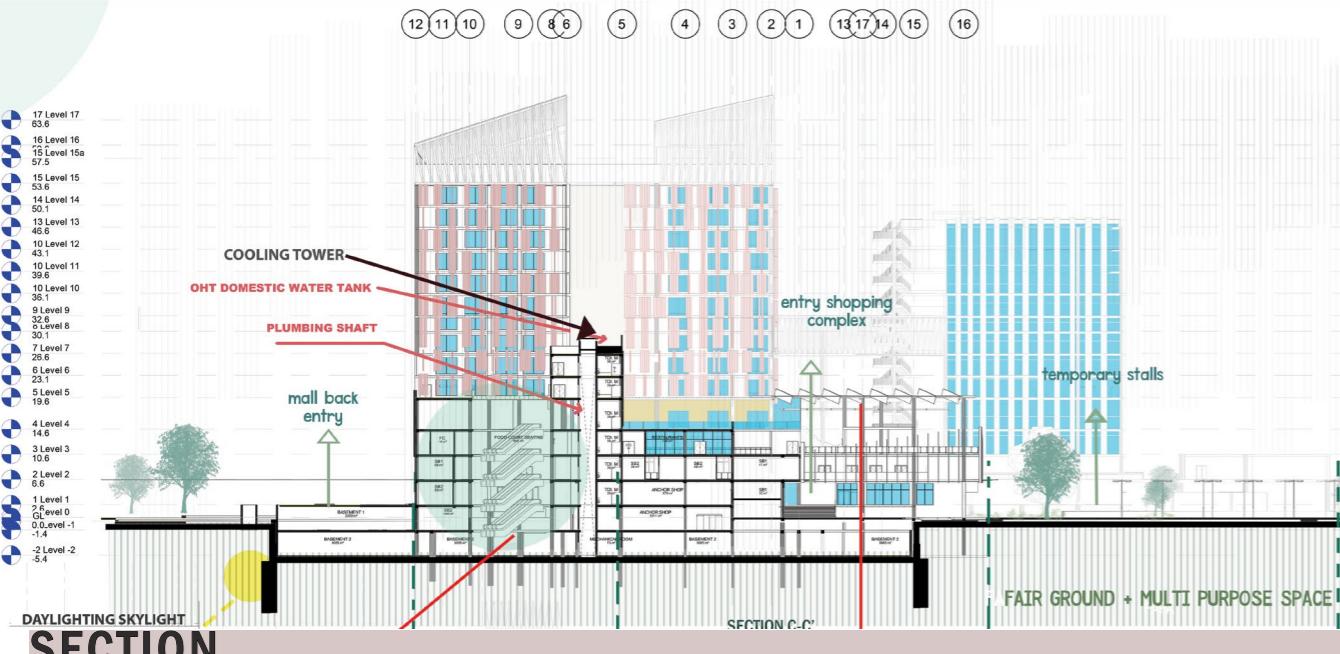
## STORE FRONT ELEVATION



## STORE FRONT ELEVATION + STRUCTURAL DETAILS



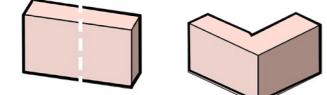
## SITE SECTION C-C'



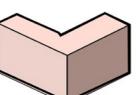
# HOTEL DESIGN

Location- N.S.C Bose road (Marine Drive) ,Mumbai  
Site area- 33846sqm

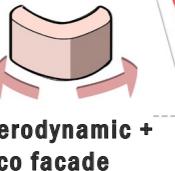
## DEVELOPMENT OF FORM



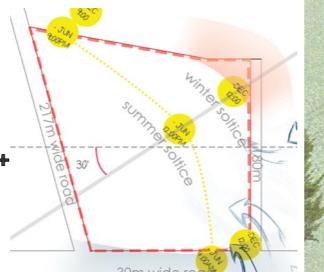
orienting towards chowpati



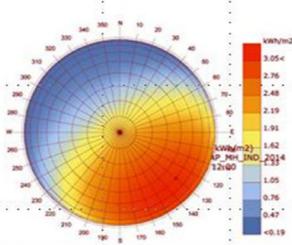
enhancing visibility



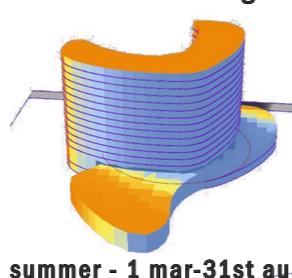
**RADIATION ANALYSIS**  
aim- minimizing radiation exposure on surface of building



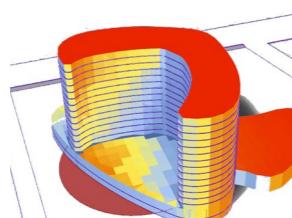
site -climate study



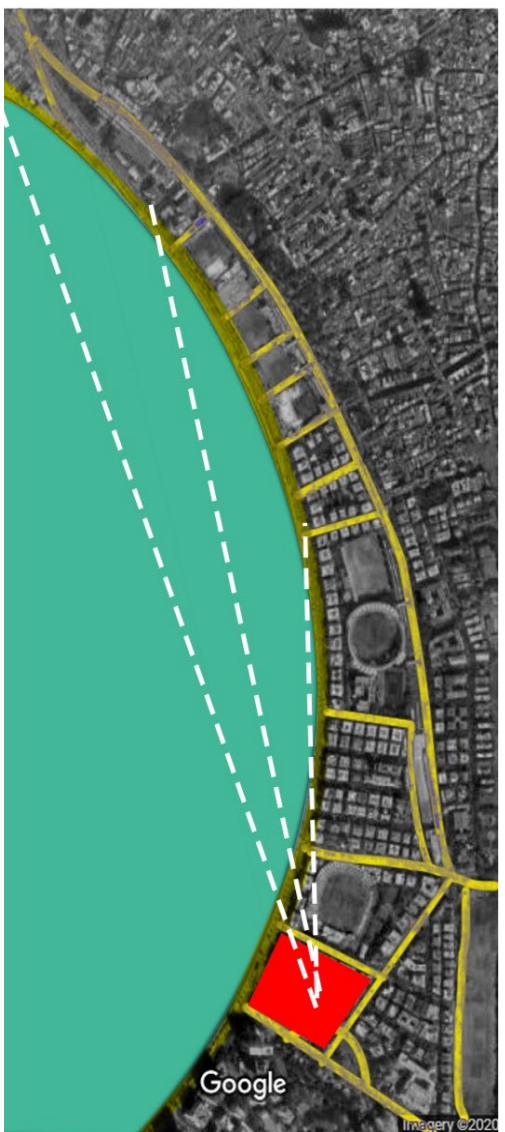
radiation rose diag



summer - 1 mar-31st aug

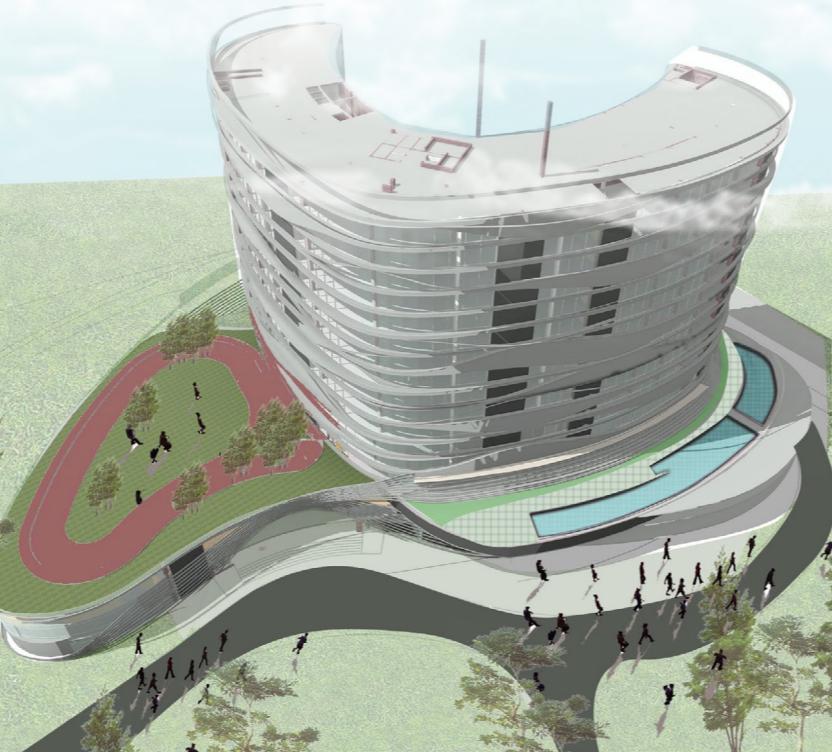


wiinter - 1sept-29thFeb

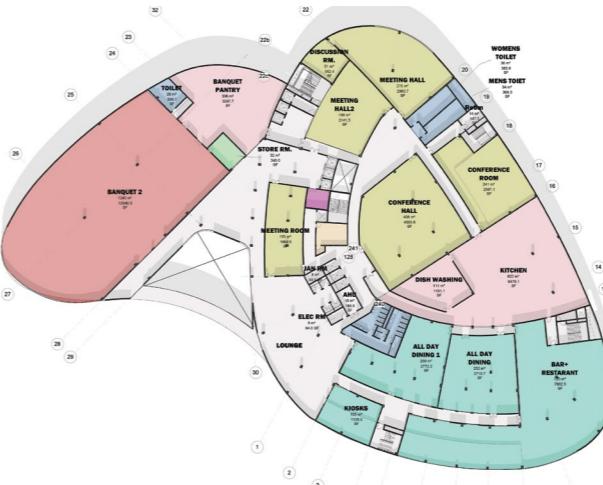


Google

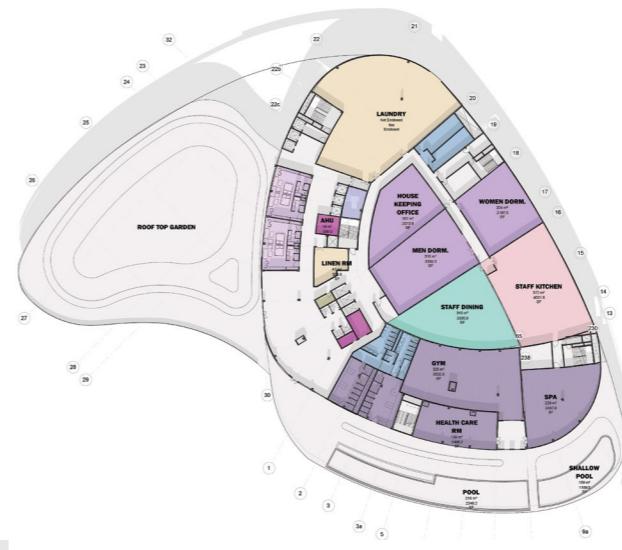
**SITE PLAN**  
Reception|waiting lounge|shops|restaurants|banquet hall services- kitchen| offices |staff locker room



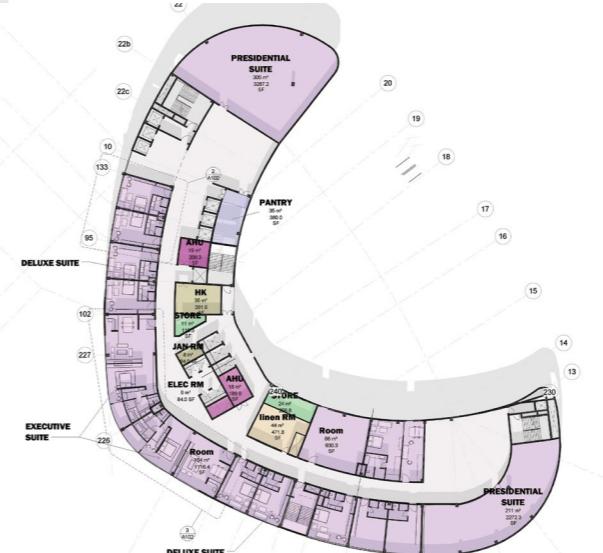
Design 5 star hotel taking consideration of variegated programme and understanding linkage of each function according convinience, luxury and need in apt balance . Idea is to create an icon which changes the skyline of mumbai marine drive it giving striking featured building.



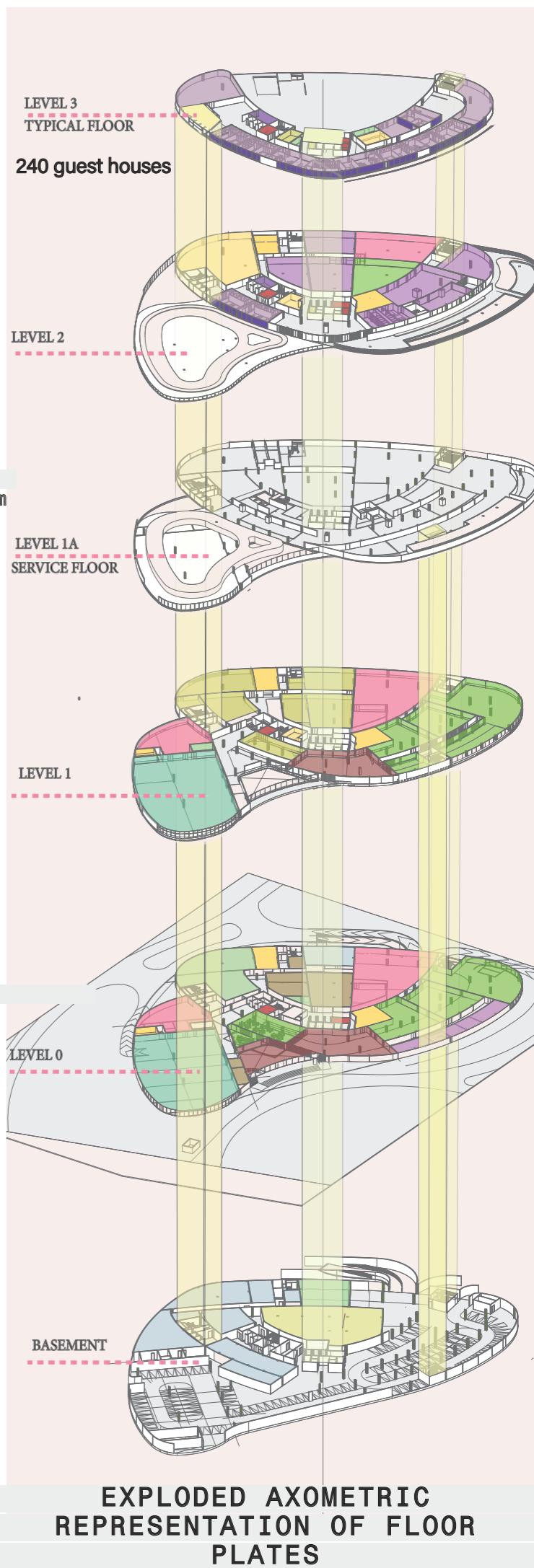
**LEVEL 1**  
restaurant|banquet hall|meeting room |conference hall services - kitchens|house keeping|toilets



**LEVEL 2**  
spa-gym|roof|garden|pool staff- dorm|dining|kitchen services - laundry|house keeping

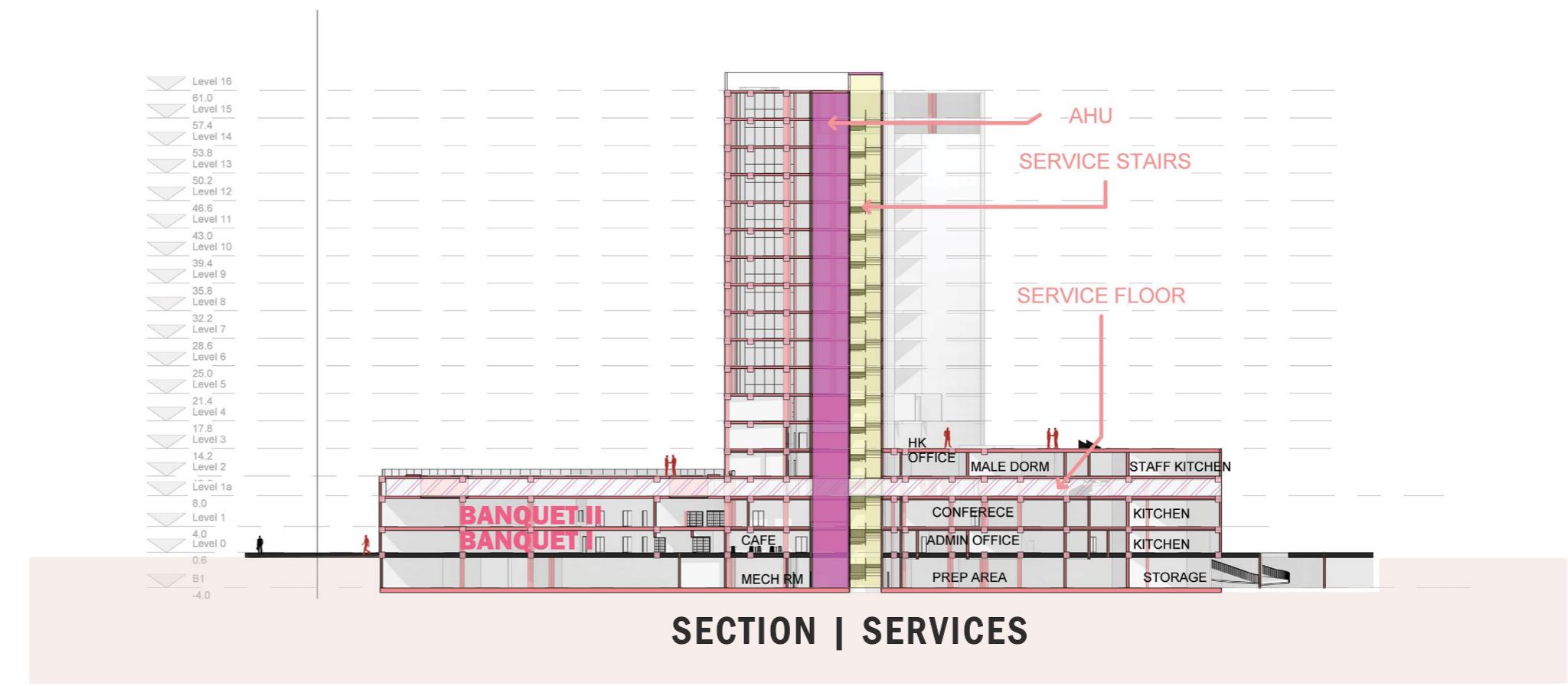
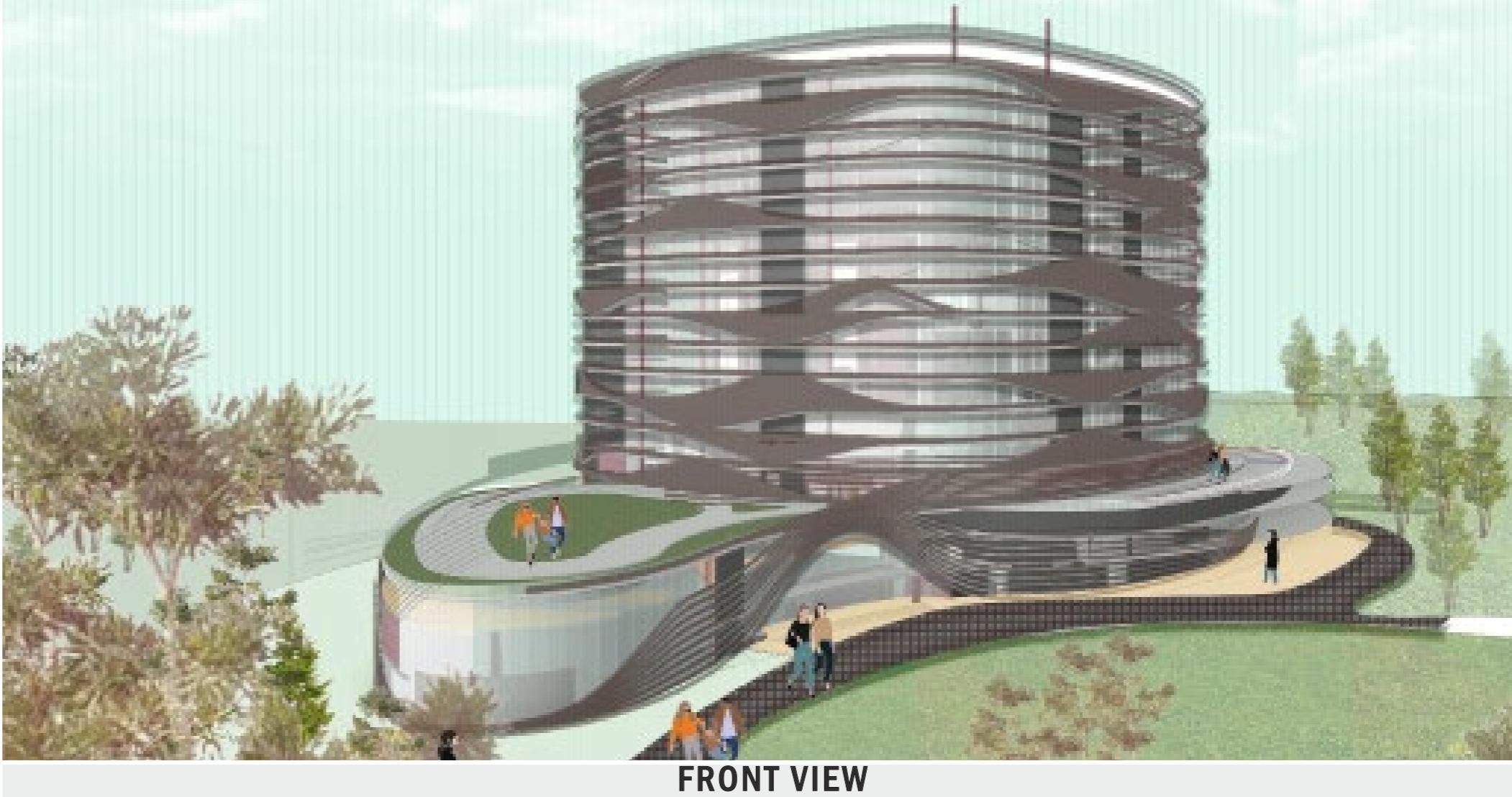
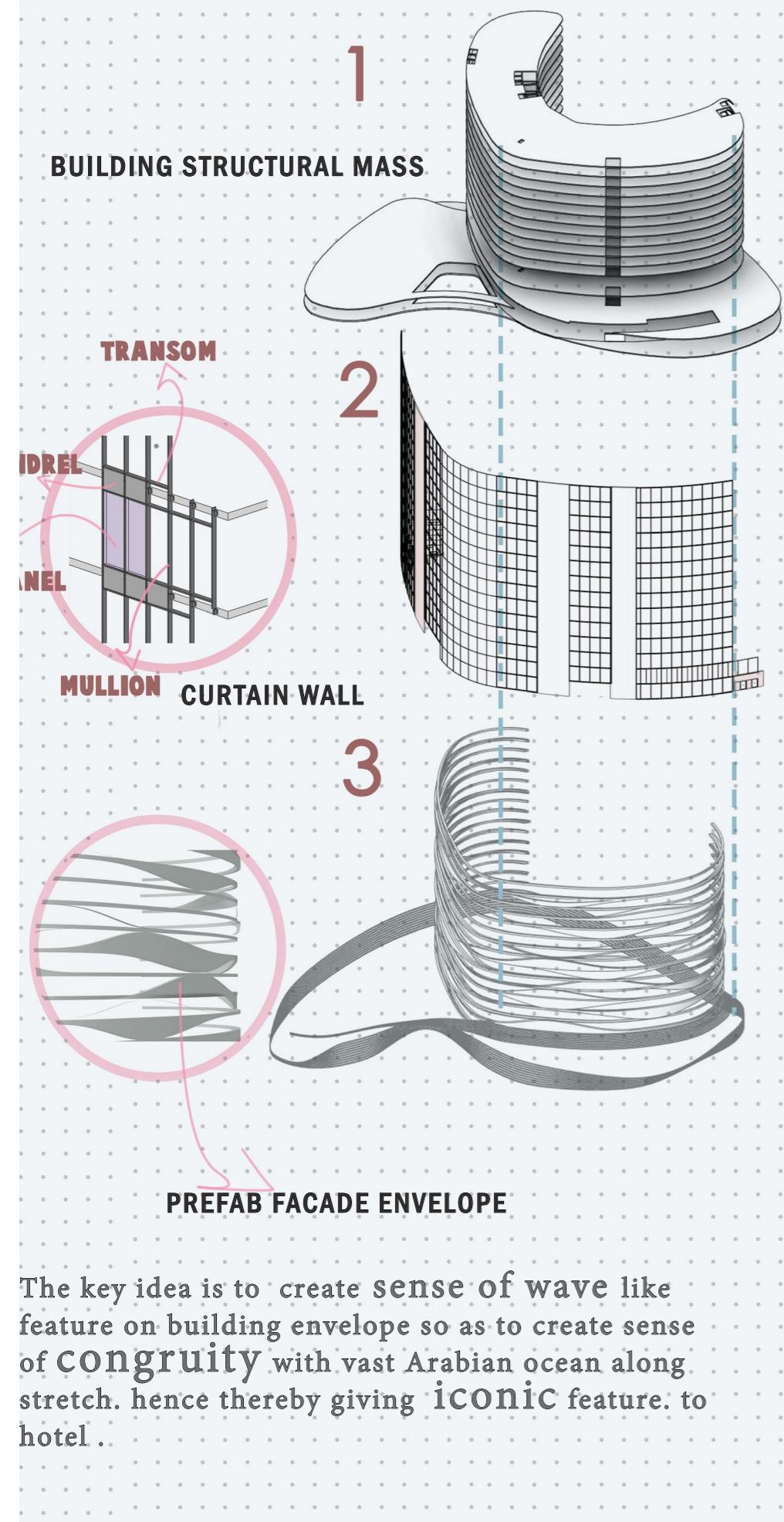


**TYPICAL FLOOR ( SUITE)**  
Deluxe suite 210 -35sqm  
Suite 20 - 63sqm  
Presidential suite 10- 150sqm



**EXPLODED AXOMETRIC REPRESENTATION OF FLOOR PLATES**

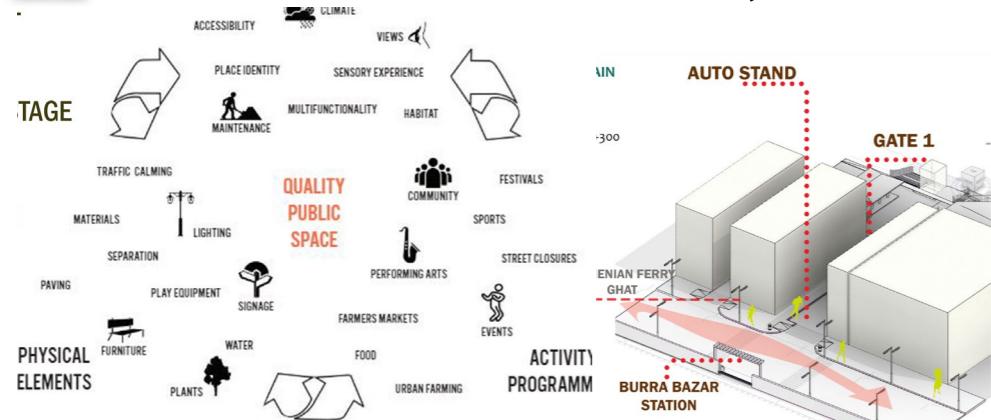
## BUILDING ENVELOPE | break-down



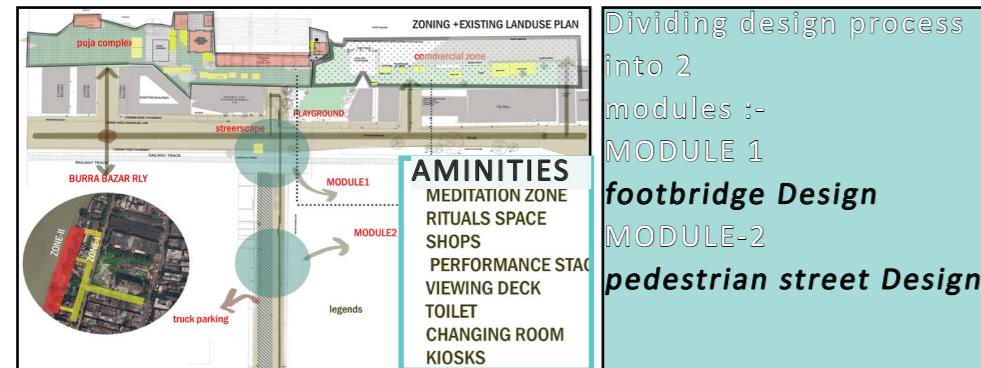
# RIVERFRONT DESIGN LANDSCAPE)

LOCATION-P.C Tagore Road Pathuriaghata Kolkata

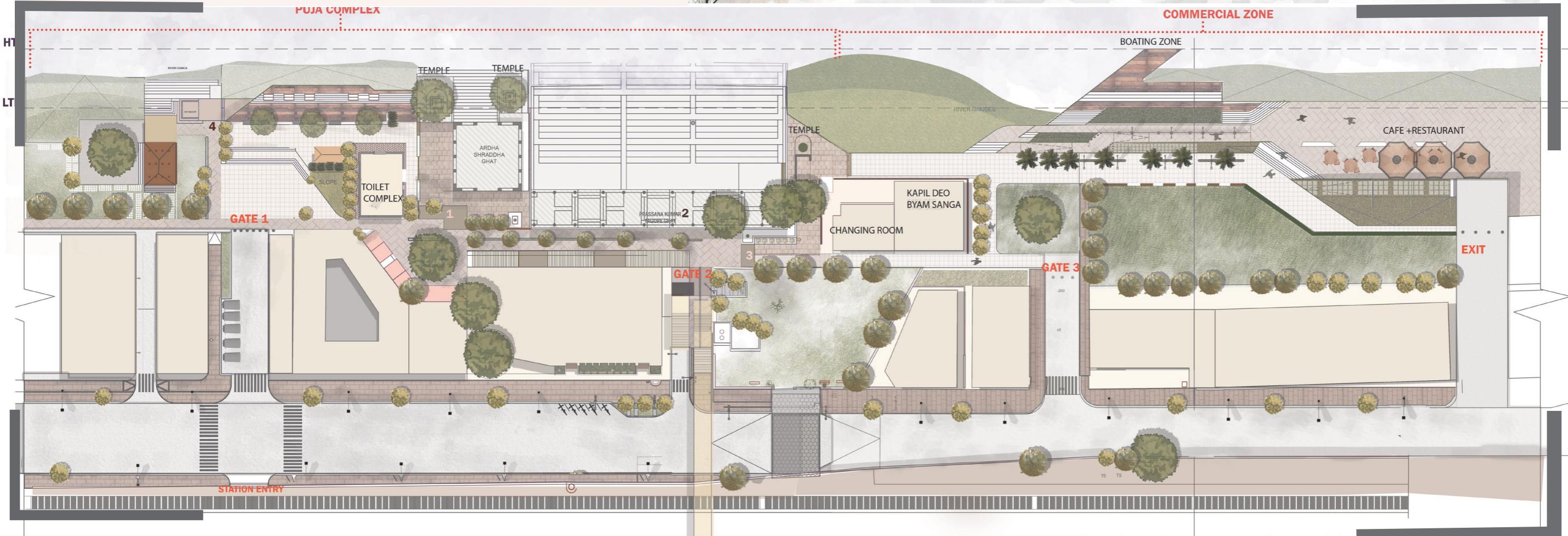
MAIN IDEA focuses in activating THE RIVER Front area includes ghats of pathuria and nearby streets by uplifting community spaces and fostering vibrant activities so to rejuvenate the dead spaces by intervention of landscaping elements and pedestrian friendly streetscape strategies.



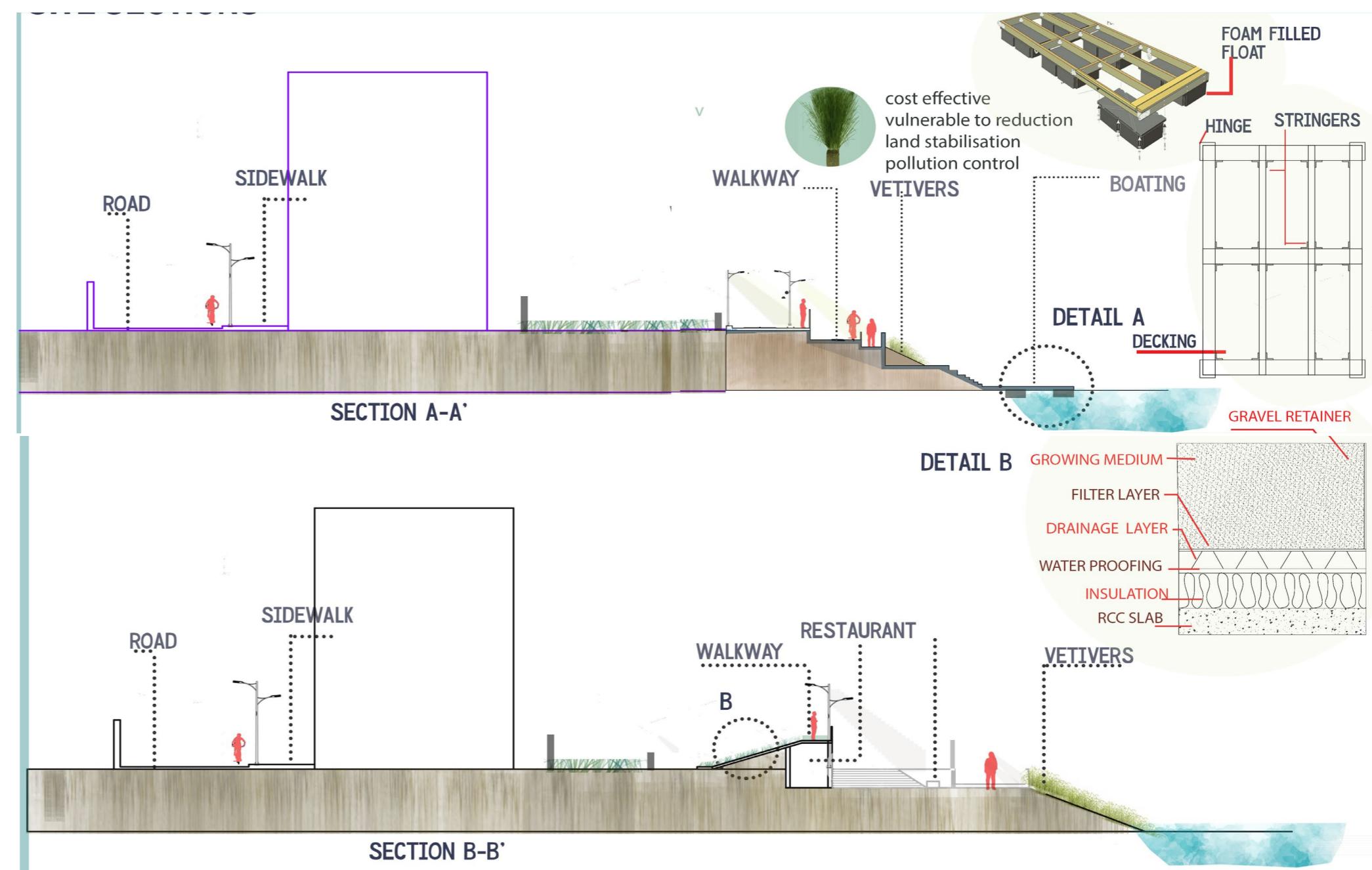
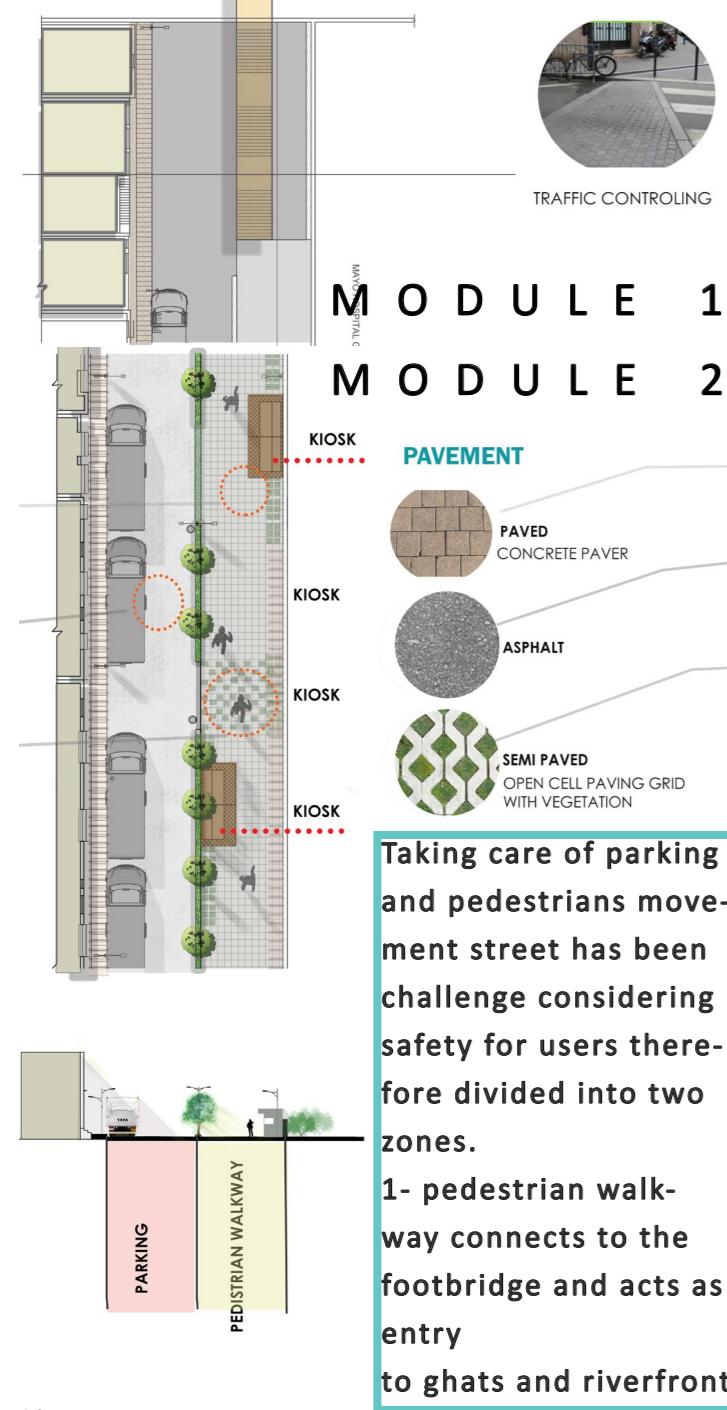
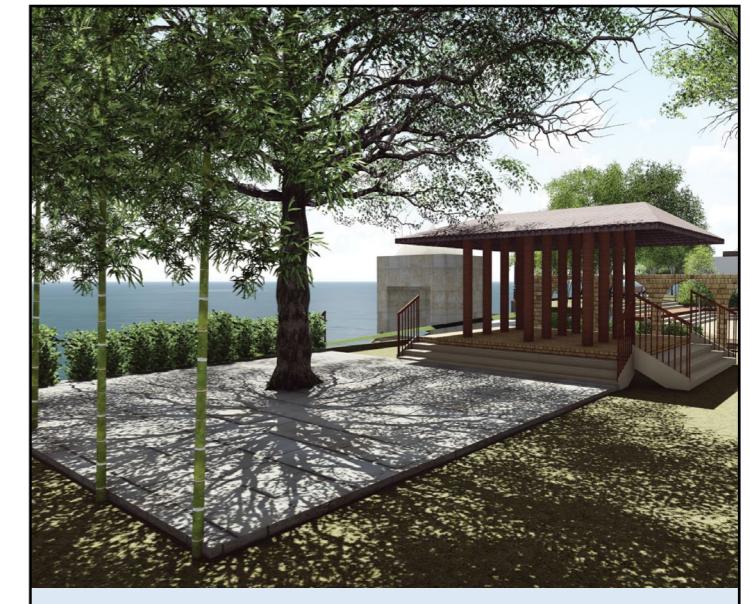
## **Key elements enhancing public spaces**



# SITE PLAN LANDSCAPE



# STREETSCAPE



# CONDIVILLE DESIGN

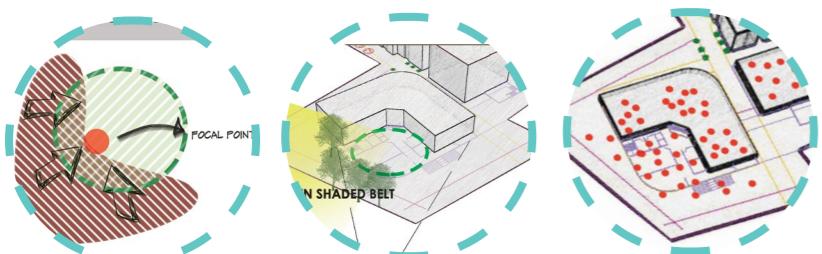
3-ACRES SITE / LOCATION - Kodalla ,Malancha Mahi Nagar, Rajpur Sonarpur, West Bengal 700146

Assignment dealt with site planning and evolution of housing in the upcoming towns and cities, beginning with site geometry and formal road layout till the organisation of spaces of individual flats.

STEPS- MACRO to MICRO LEVEL

## WESTERN VIEW FROM {ENYTY2}

### CONCEPT



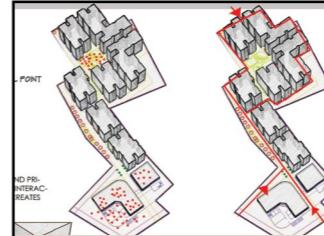
recreational zones provides focal point to vibrant activities

western green belt provide shading to open space

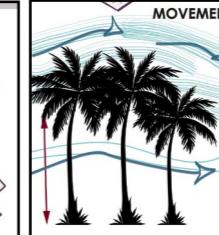
intensity of circulation in commercial patch



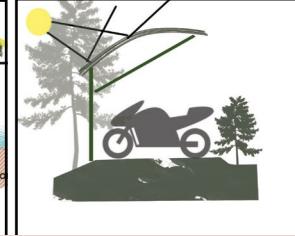
INTENSITY OF CIRCULATION 4-6 pm +MOVEMENT PATTERN



WIND VISIBILITY



PROVISION OF ENERGY EFFICIENT CAR PARKING SHED



### SITE PLAN

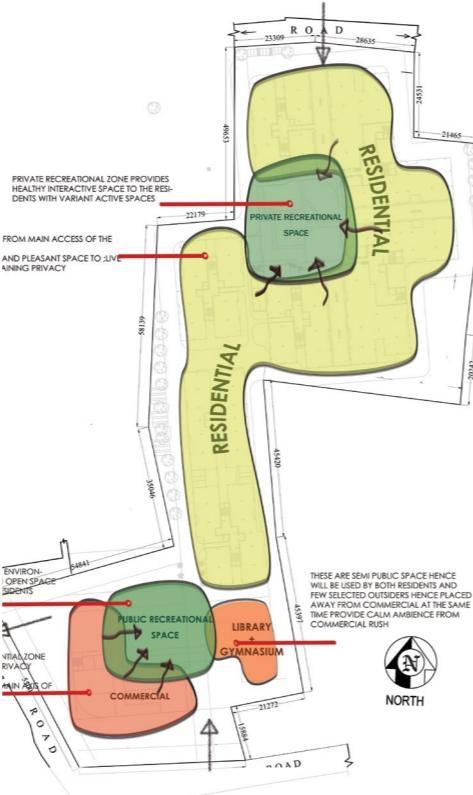


### PARKING

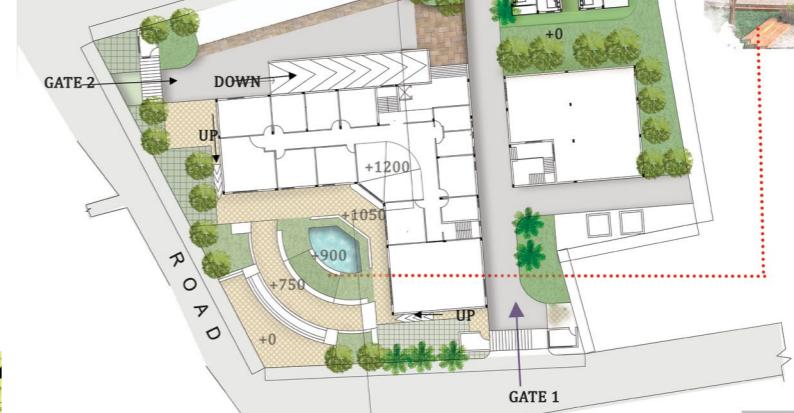
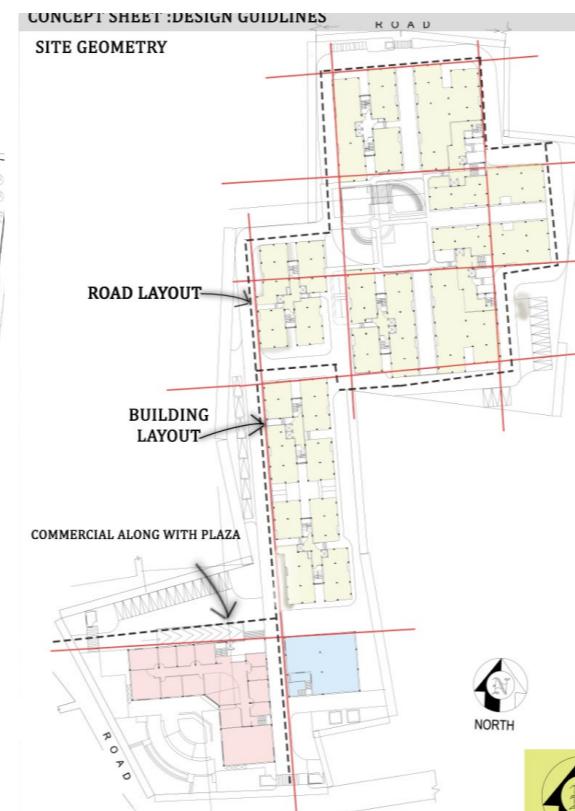


### ENTRANCE

### FUNCTIONAL ZONING



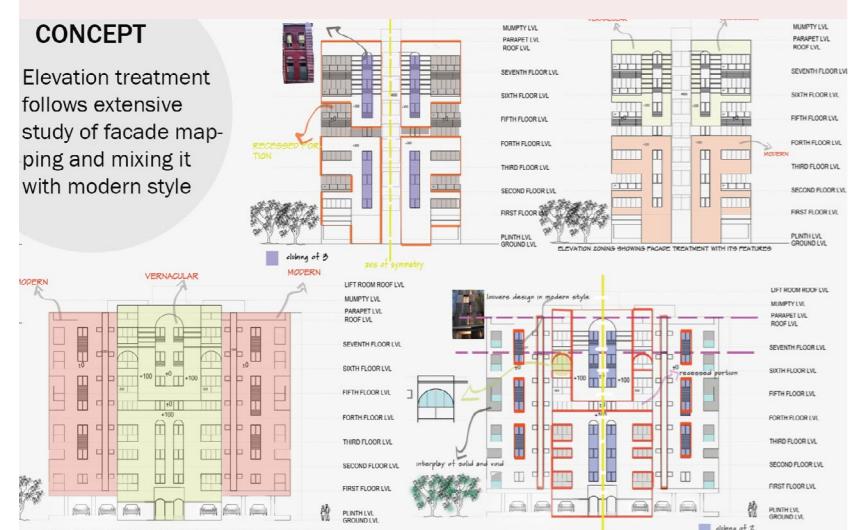
### SITE GEOMETRY



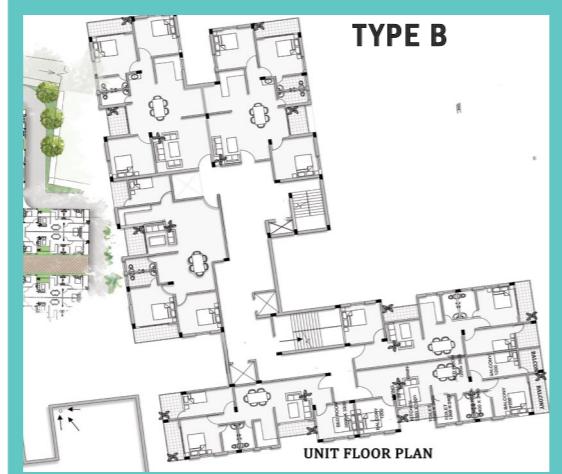
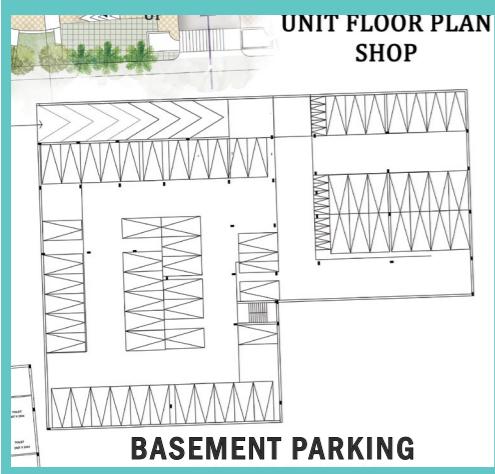
### ELEVATION DESIGN VIA FACADE MAPPING OF VERNACULAR ARCHITECTURE OF KOLKATA

#### CONCEPT

Elevation treatment follows extensive study of facade mapping and mixing it with modern style

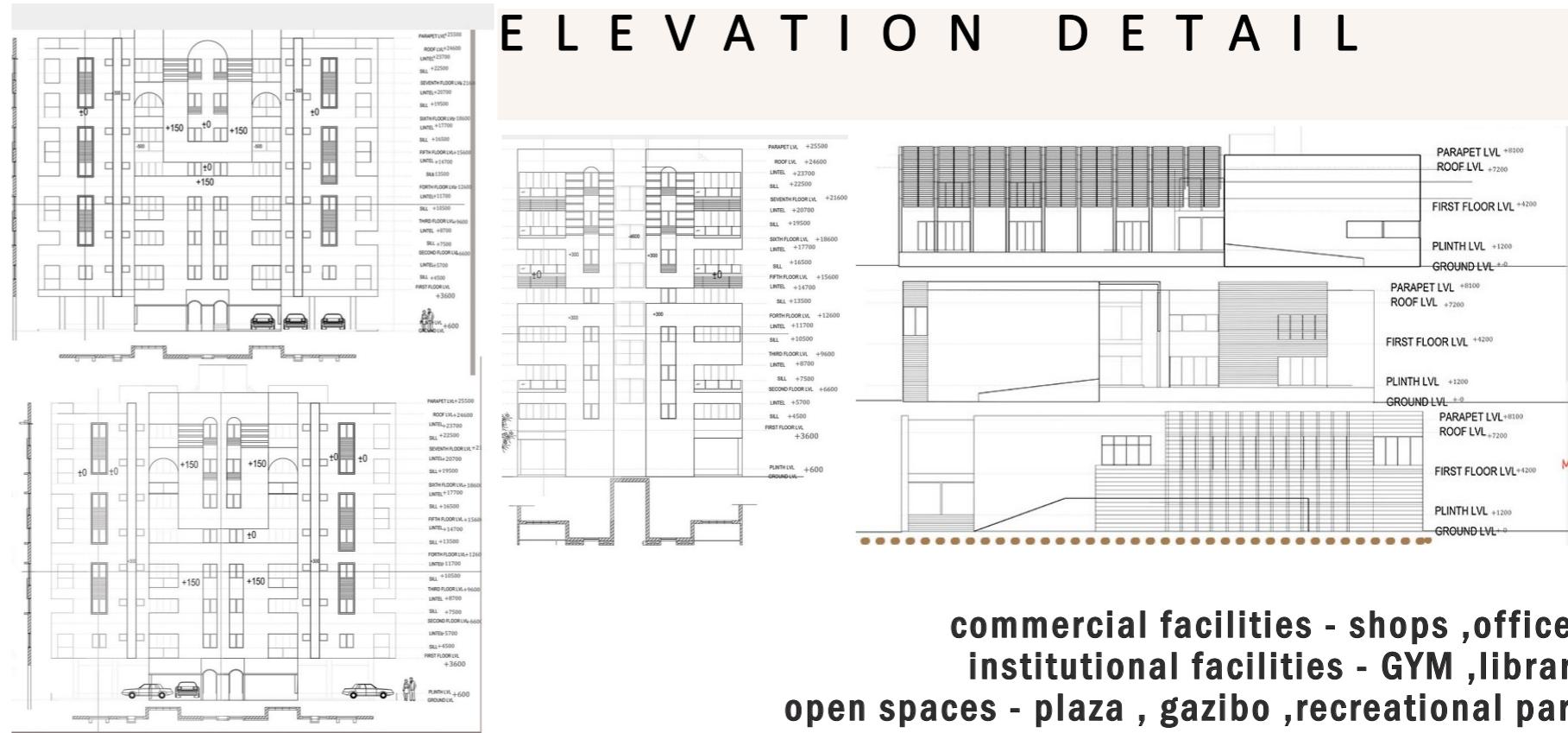


Idea is to focus on GLOCAL architecture reflecting the amalgamation of VERANCULAR & MODERN SYLE

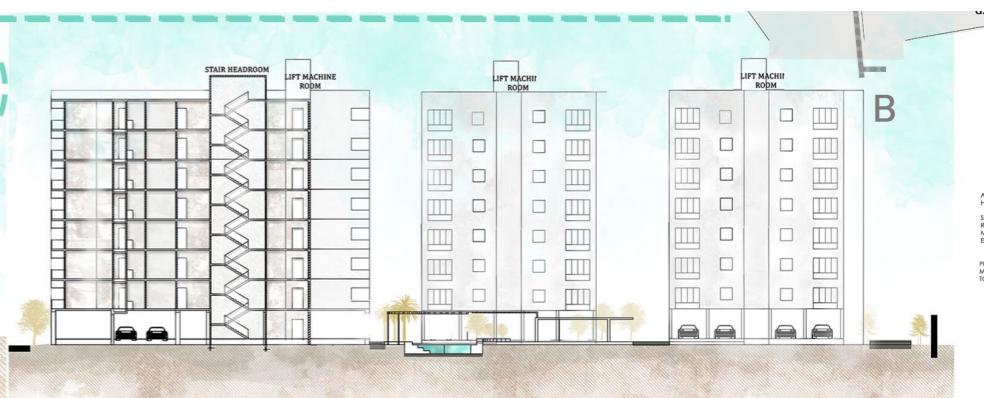
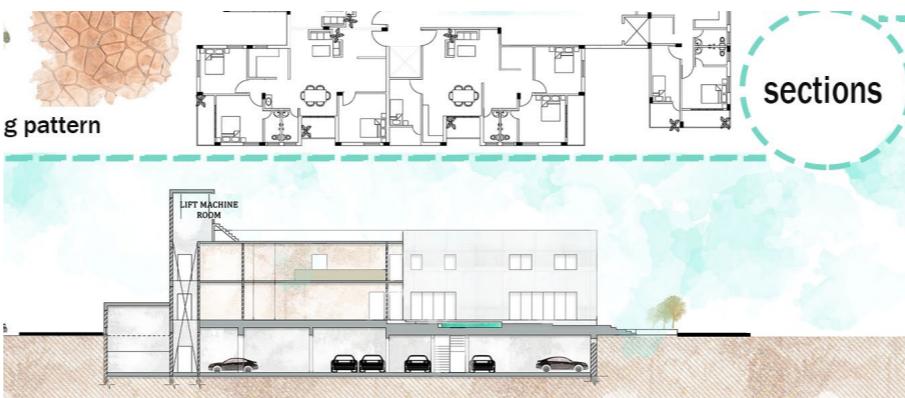


**COMMERCIAL BLOCK PLAN**

**APARTMENT BLOCK  
3BHK - 2.5BHK**



**commercial facilities - shops ,offices  
institutional facilities - GYM ,library  
open spaces - plaza , gazibo ,recreational park**



# INTERIOR RESTAURANT

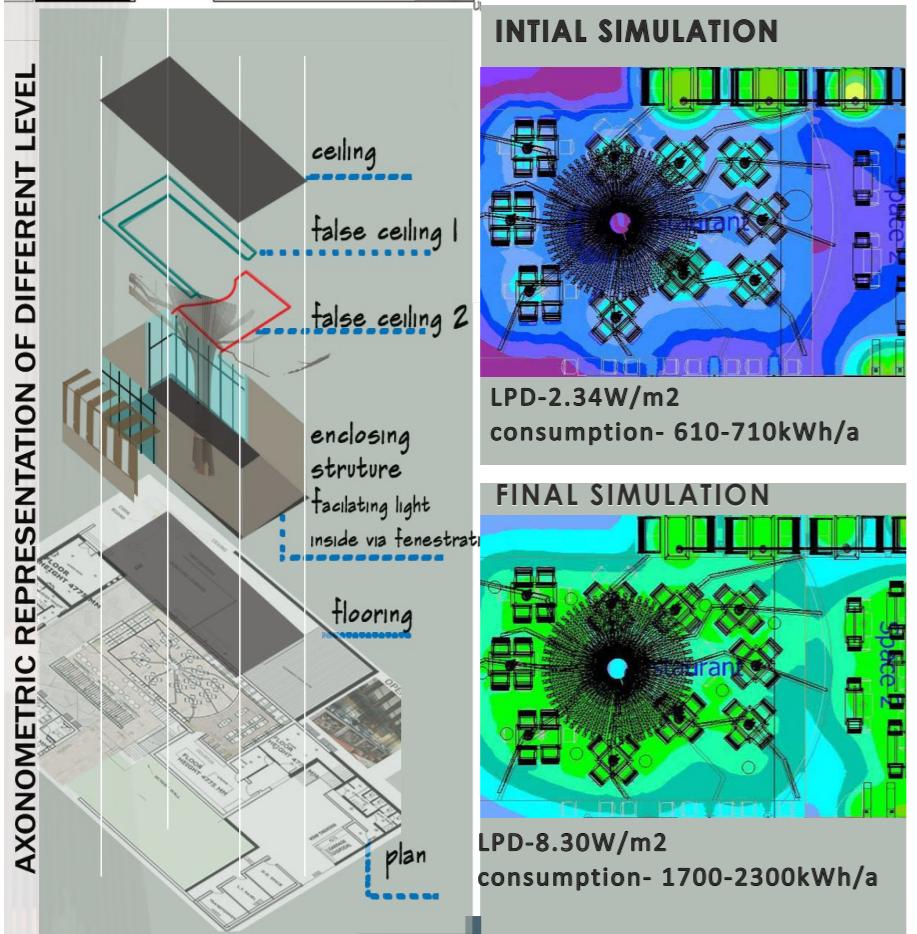
Assignment focuses to design a restaurant interior in particular style and should follow concept taking care of functionality of spaces and anthropometric study.



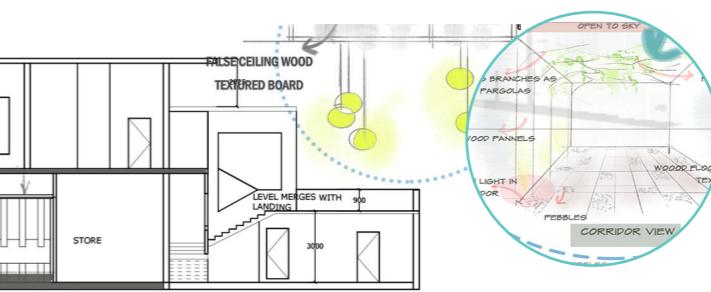
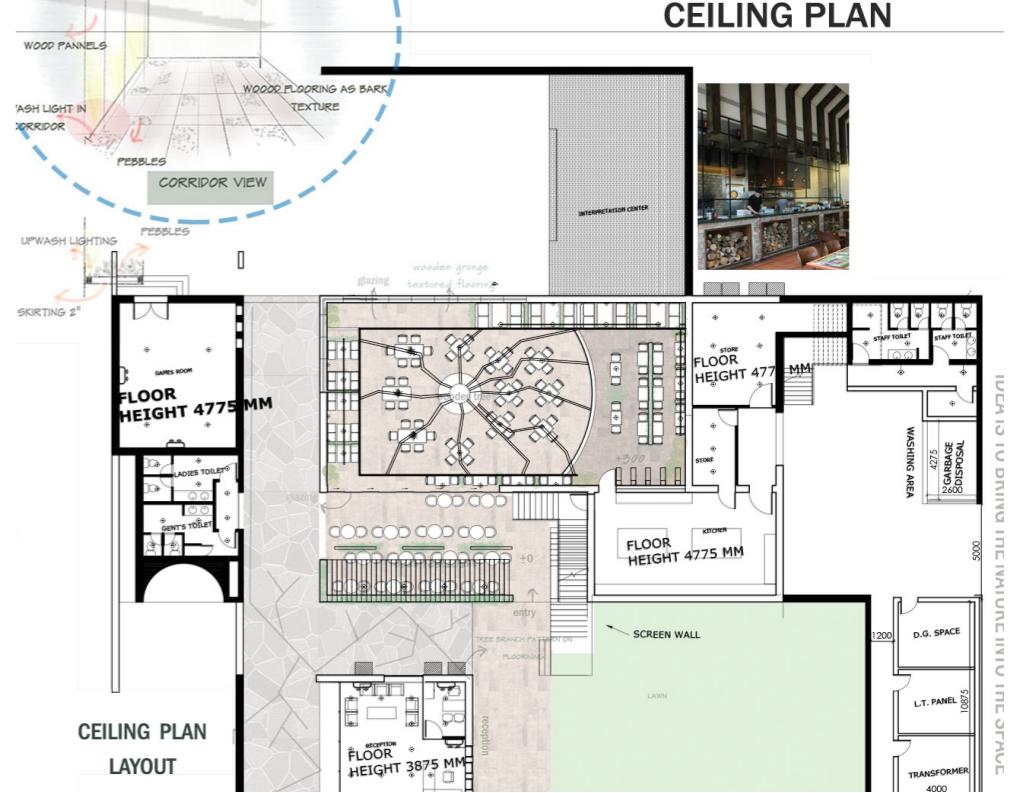
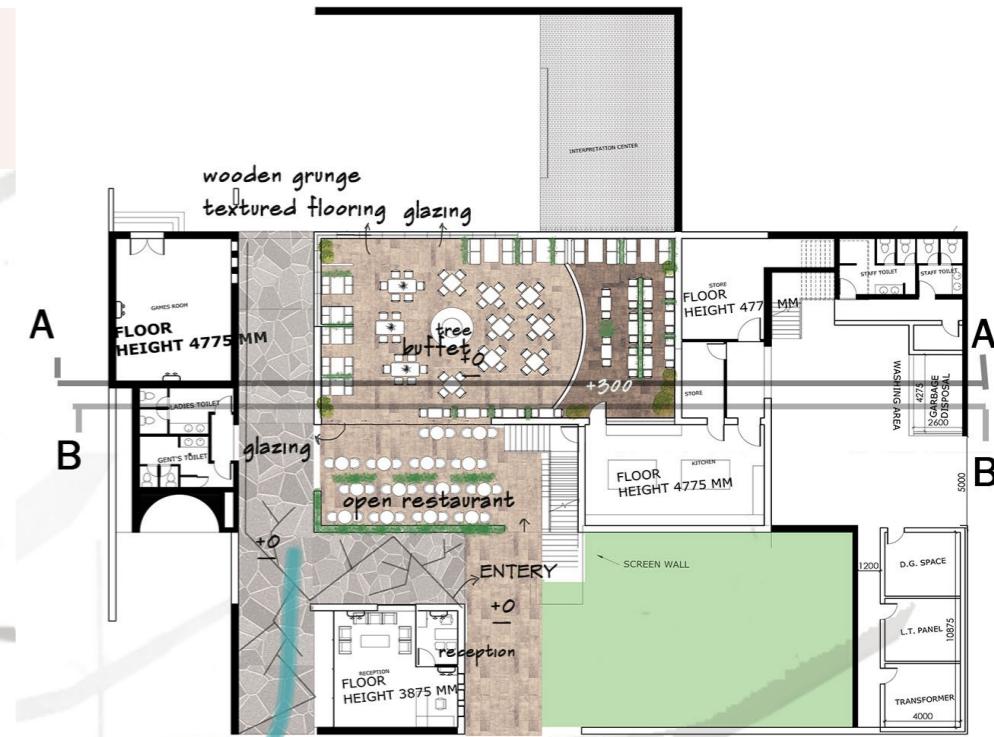
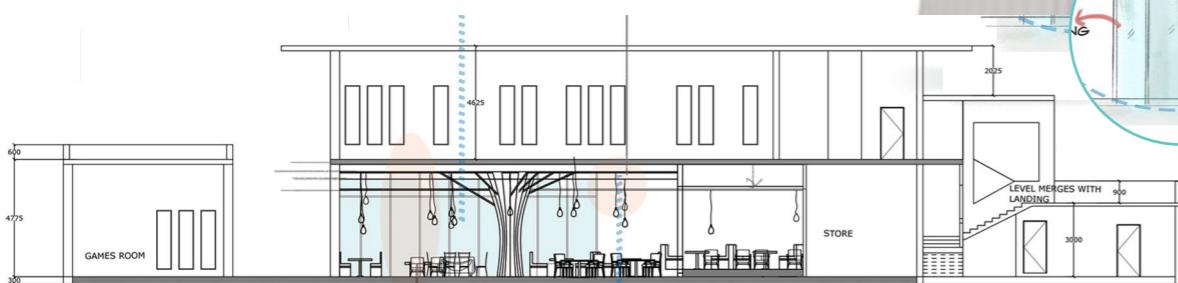
RESTAURANT INTERIOR HAS INDUSTRIAL STYLE PREDOMINANTLY WITH USE OF GRUNGE FLOORING AND RUSTED TEXTURED ELEMENT

USE OF WOOD CLADDING AND BRICK ON WALLS

AT THE SAME TIME INVITES NATURE IN THE INTERIOR BY USE OF PLANTERS AND CREEPERS OVER CEILING AND AS PARTITIONING ELEMENT



DIALUX INTERIOR ILLUMINATION DISTRIBUTION MODELLING  
TAKING WORKPLANE AS 900mm above Floor level



# VIEWS



## SOFTWARES

- MODELLING - 3Ds -  
MAX / RENDERING -  
VRAY 3Ds MAX



# INTERIOR

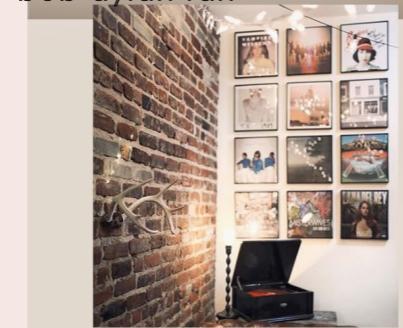
RESIDENCE

Assignment dealt in renoating the exisiting house as per clients needs.  
understanding clients behaviour and personal likes and dislikes and plan the whole interior suiting his /her style.



## CLIENT REQUIREMENTS

folk theme  
1960s gas light cafe  
fond of art and music  
bob dylan fan



## COLOUR SCHEME

METALLIC COLOUR



## NATURAL WOOD

TEXTURED CEIL-



## BOB DYLAN



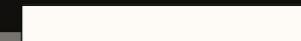
## VARENDAH



## ENTRY



## TOILET



## KITCHEN



## DINING



## LIVING



## BED ROOM



## TOILET



## TOILET



## TOILET



## TOILET





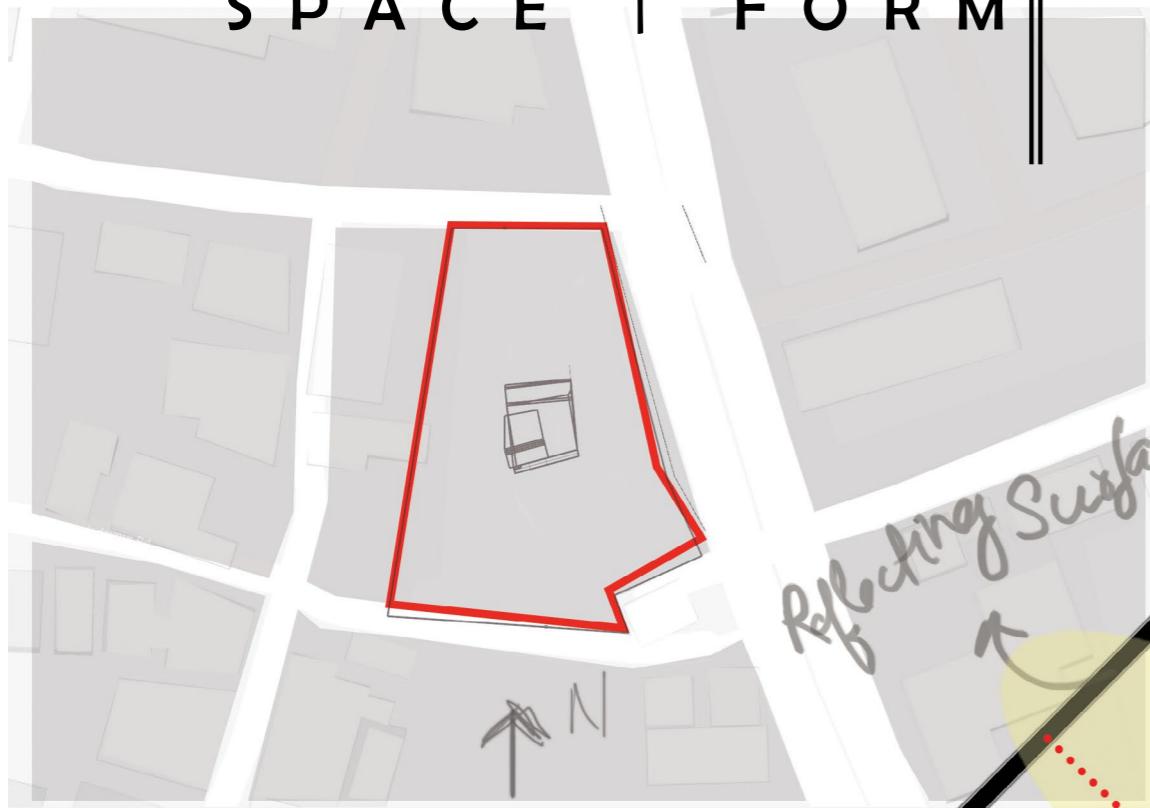
SOFTWARES

- MODELLING - 3Ds -  
MAX / RENDERING -  
VRAY 3Ds MAX

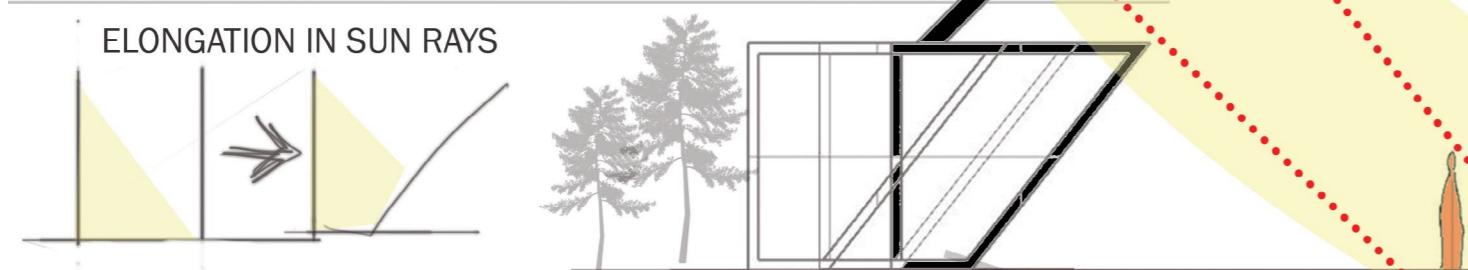
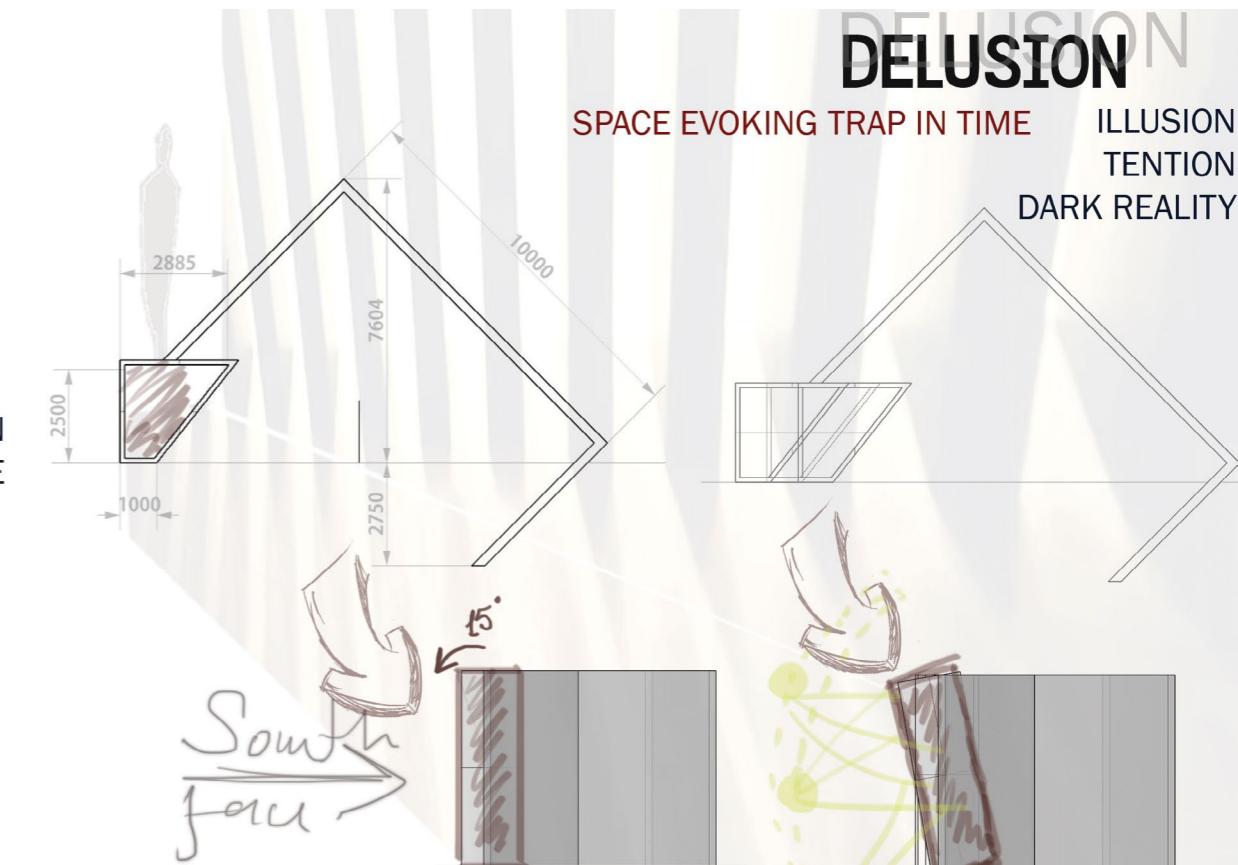
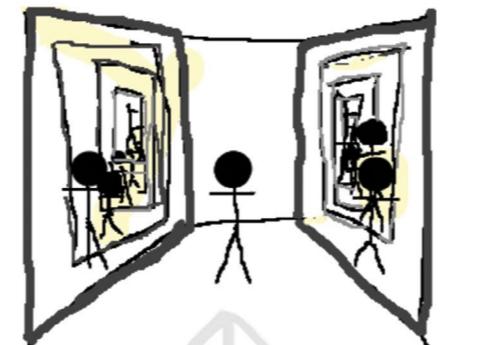


BEDROOM WITH SLEEPING LOFT

# SPACE | FORM



*Reflecting Surface*

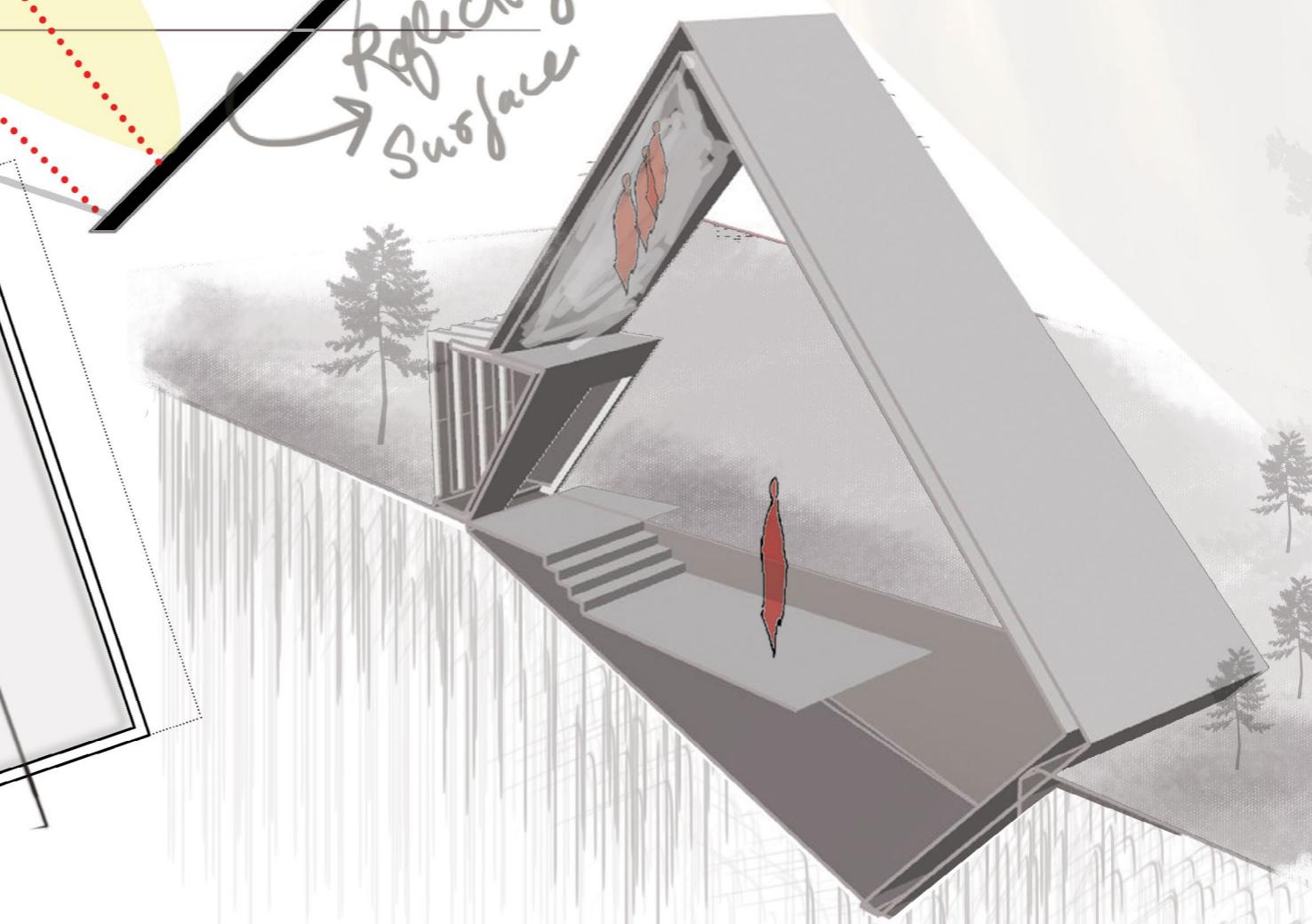
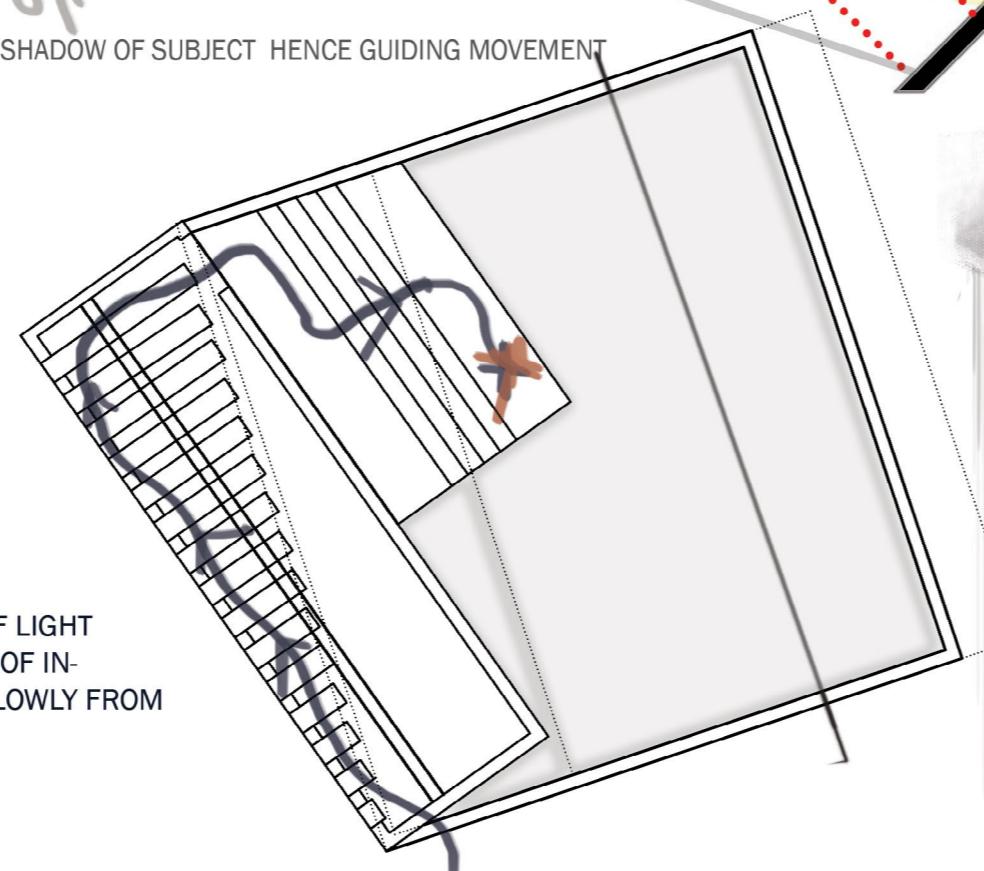


THE SPACE developed from two INTERSECTING TRAPEZIUM placed at an angle over each other.

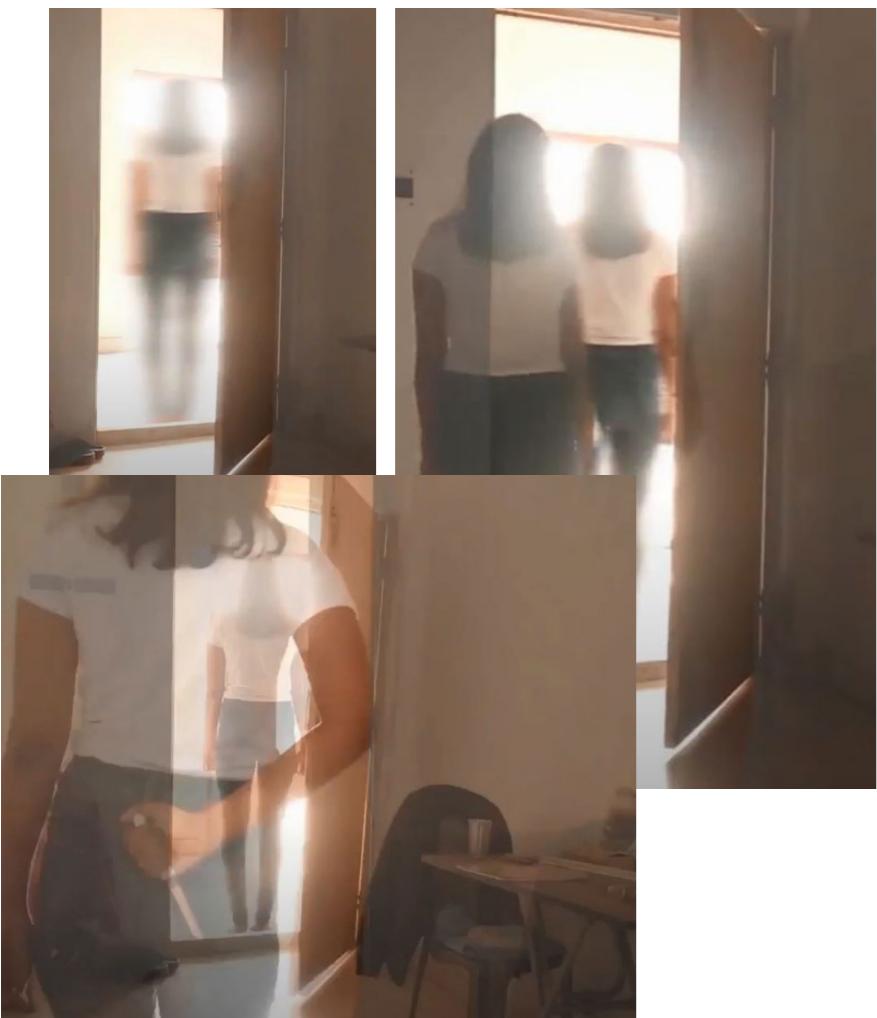
THE WALKWAY WITHIN ACTING AS SCREEN FOR CREATING SHADOW OF SUBJECT HENCE GUIDING MOVEMENT



GRADUAL INCREASE OF LIGHT GIVING A PERCEPTION OF INCREASE IN SHADOW SLOWLY FROM PART TO FULL



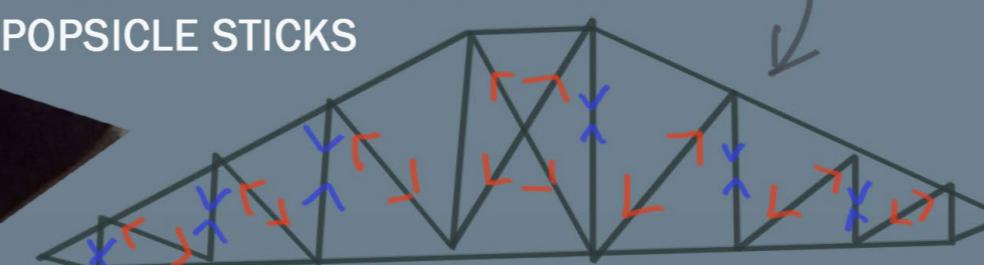
# CLIP IS SPACE PROVOKING SENSE OF DELUSION



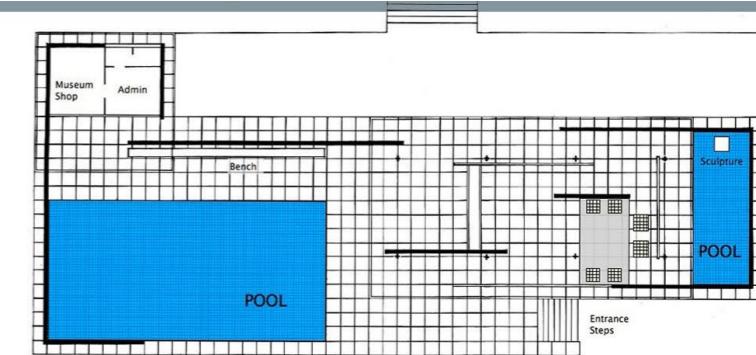
[CLICK TO  
VIEW CLIP](#)



PRATT TRUSS BRIDGE DESIGN  
POPSICLE STICKS



# MODELS BARCELONA PAVILLION | Ludwig Mies van der Rohe

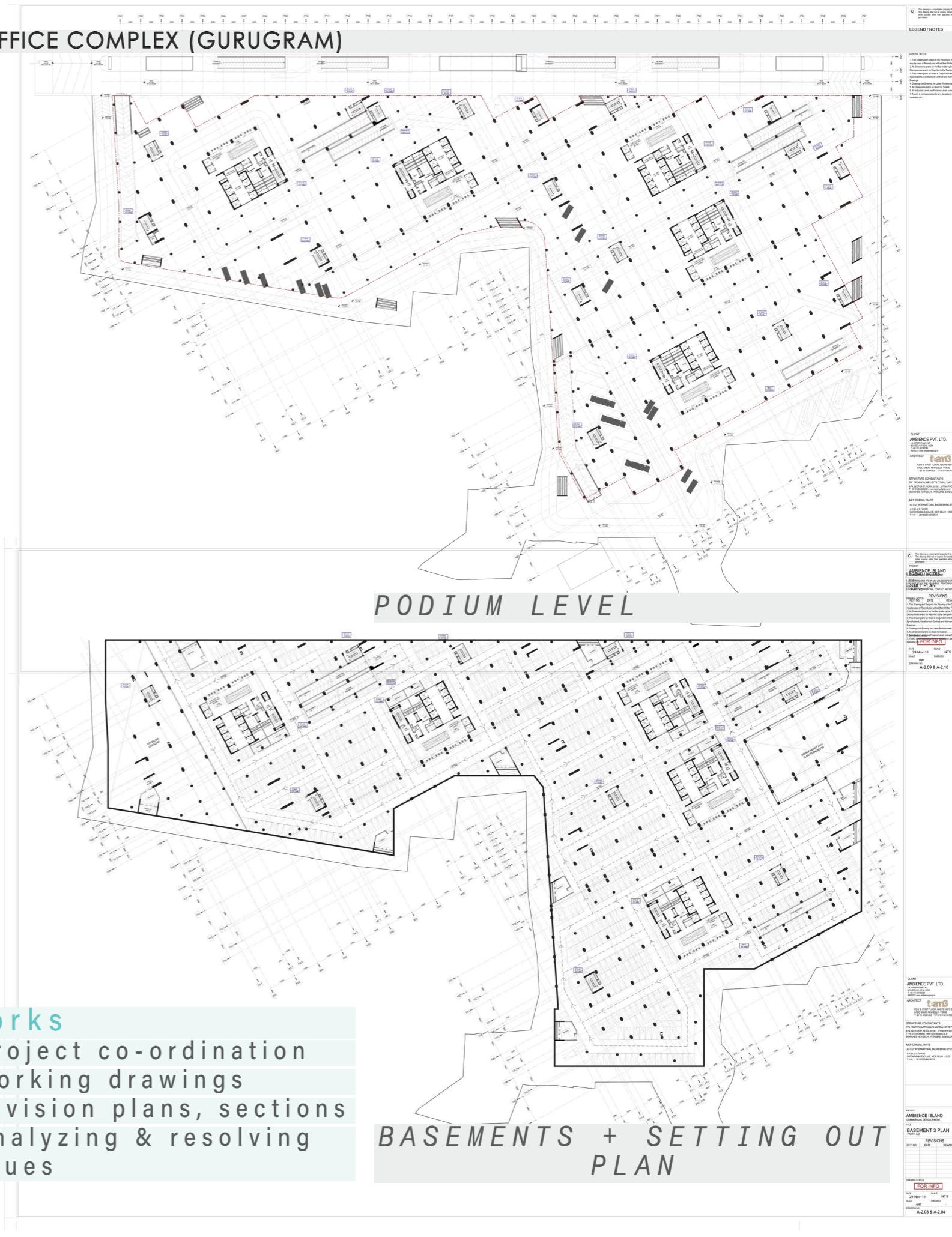
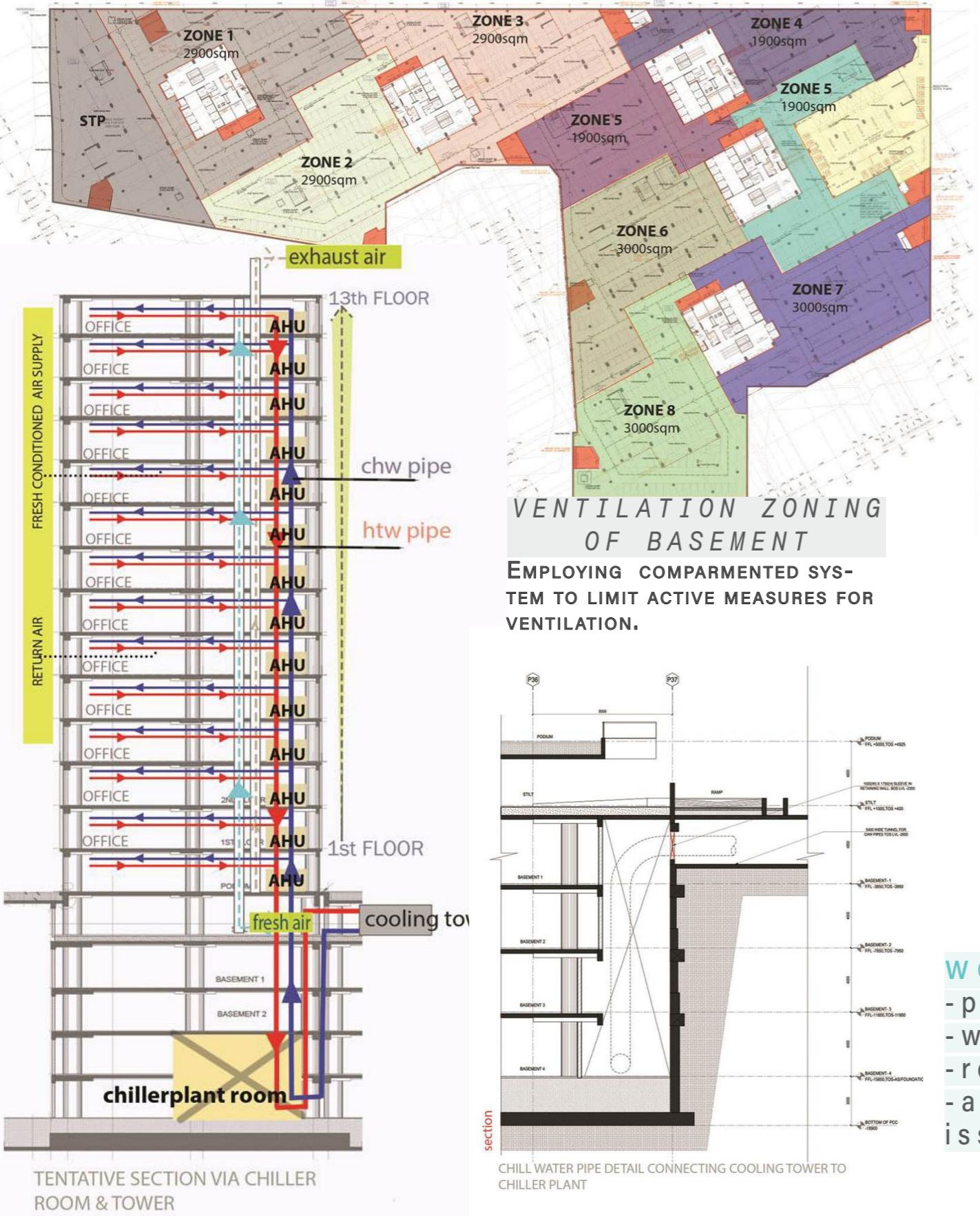


plan

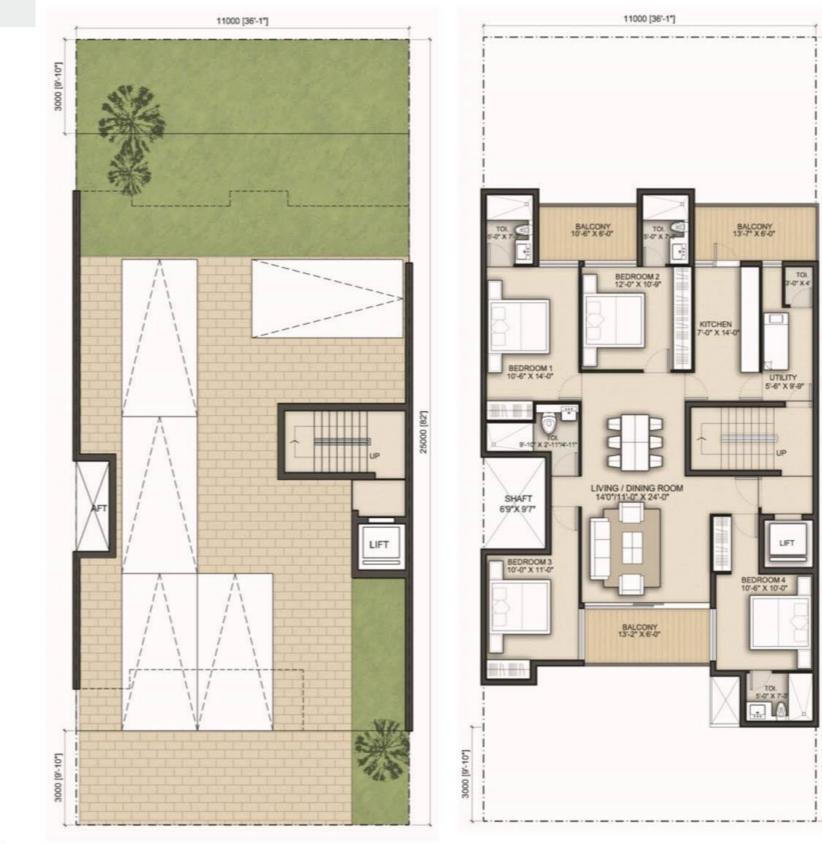


# I N T E R N S H I P W O R K S

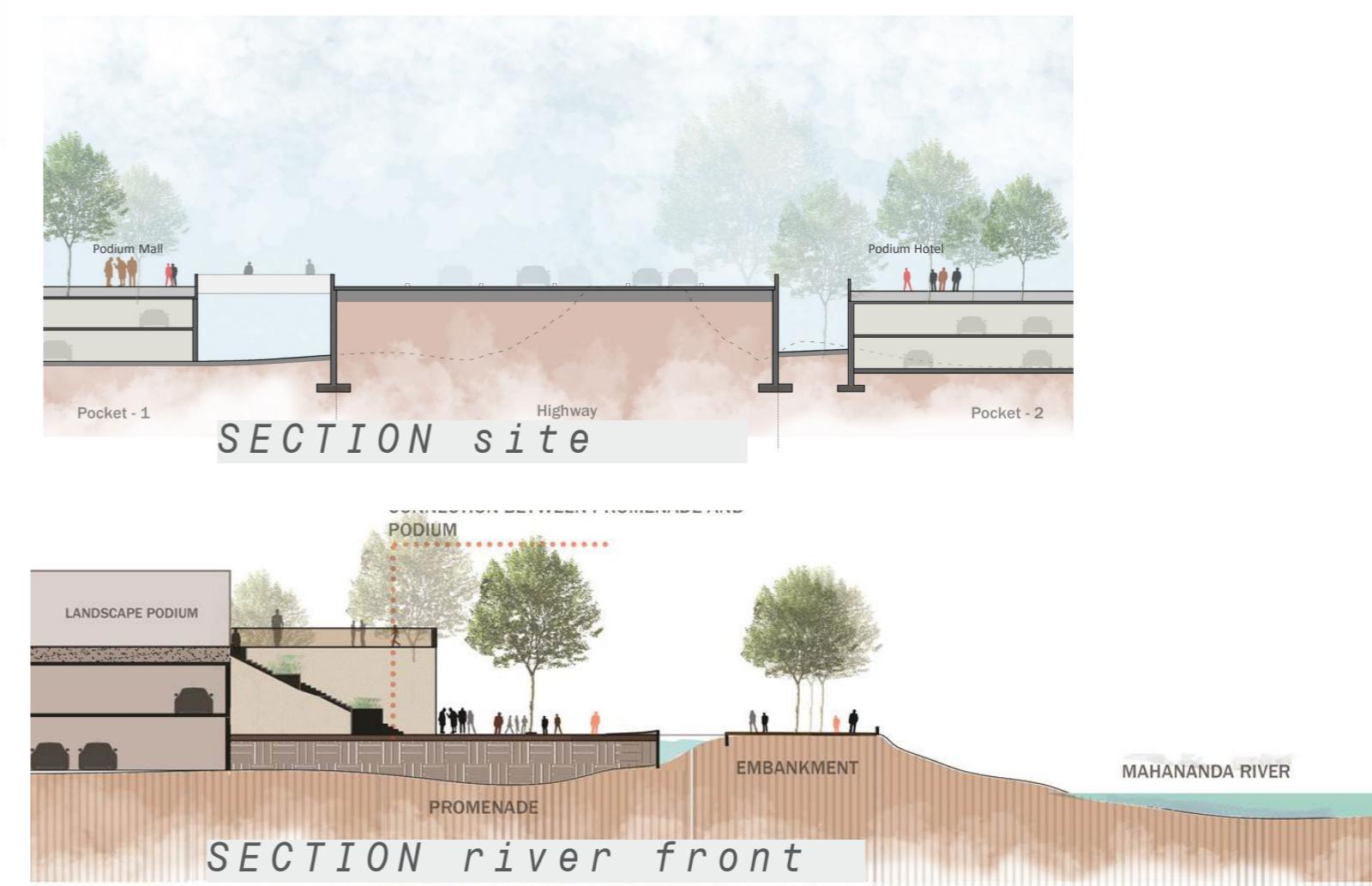
## AMBIENCE GROUP OFFICE COMPLEX (GURUGRAM)



# AMBUJA NEOTIA MASTER PLAN (TOWNSHIP) SILLIGURI



## DUPLEX PLAN

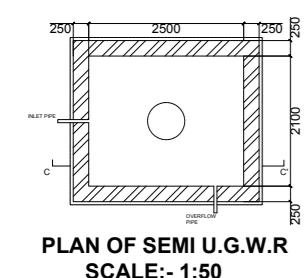
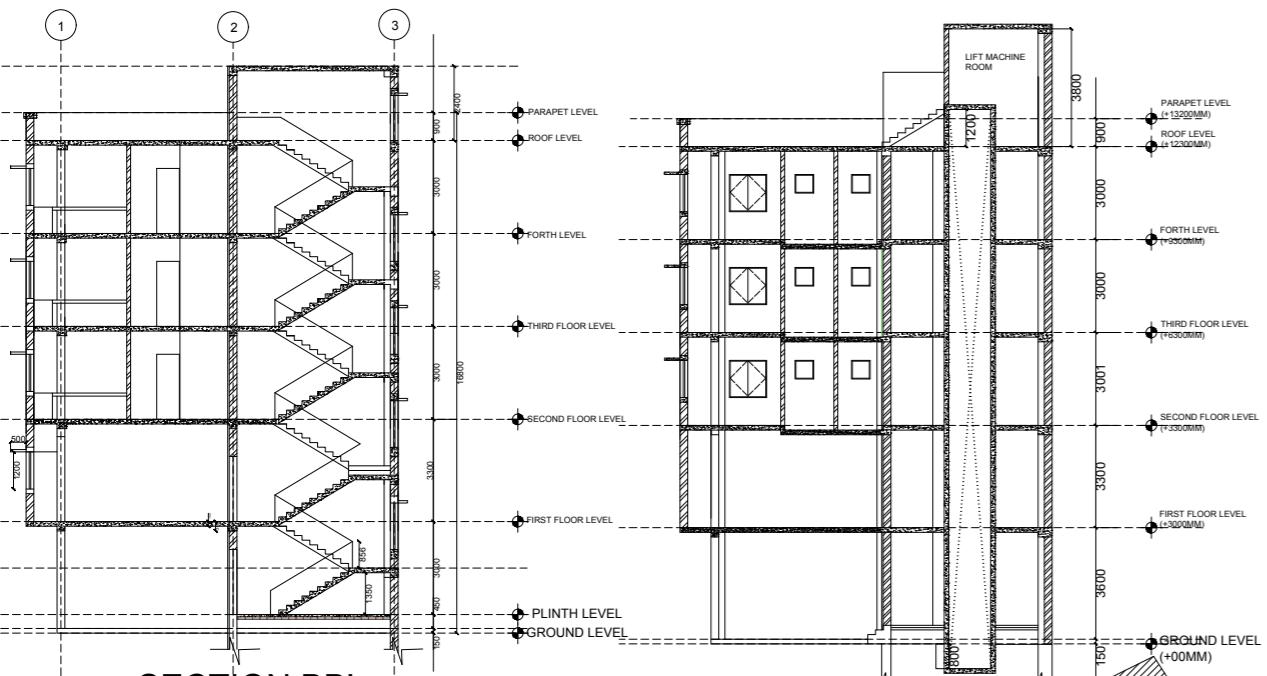


[LINK | SMART CITY](#)

[LINK | UPPAL COM.](#)

[LINK | VATIKA MARKET](#)

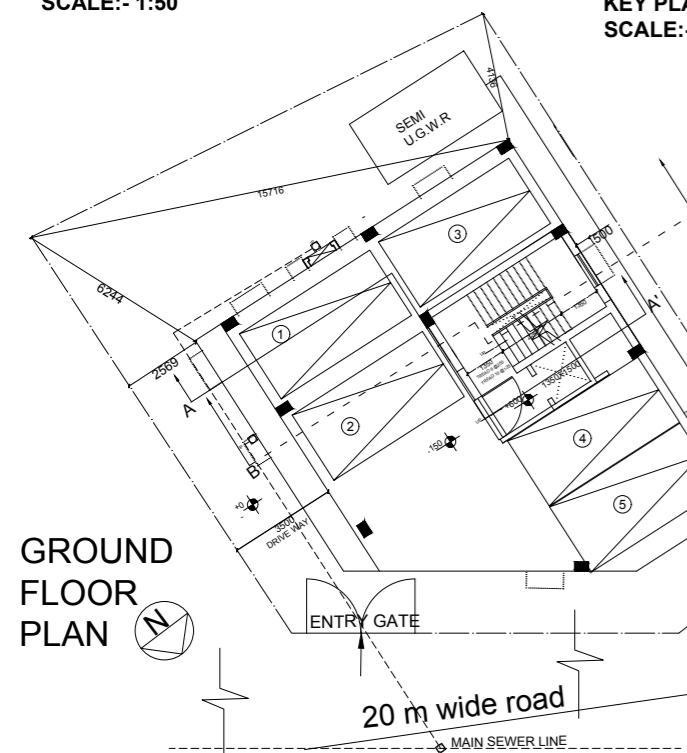
# WORKING DRAWING



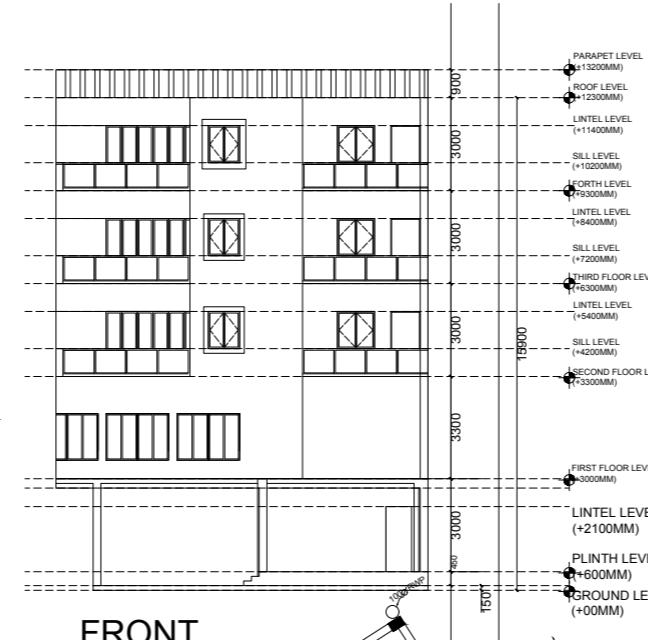
**SECTION AT CC'**  
SCALE:- 1:50

**KEY PLAN**  
SCALE:- 1:4000

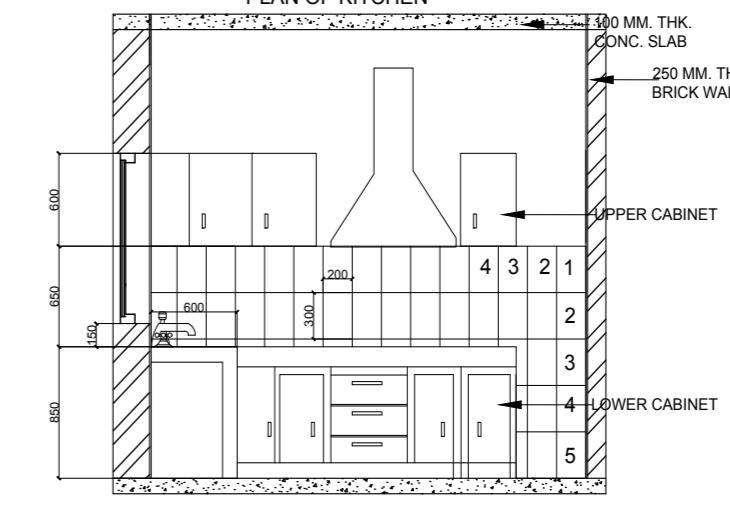
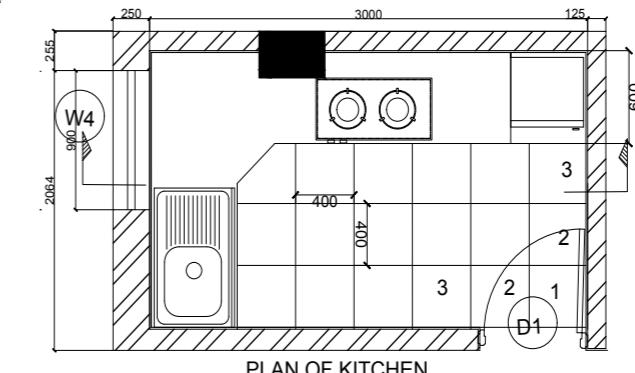
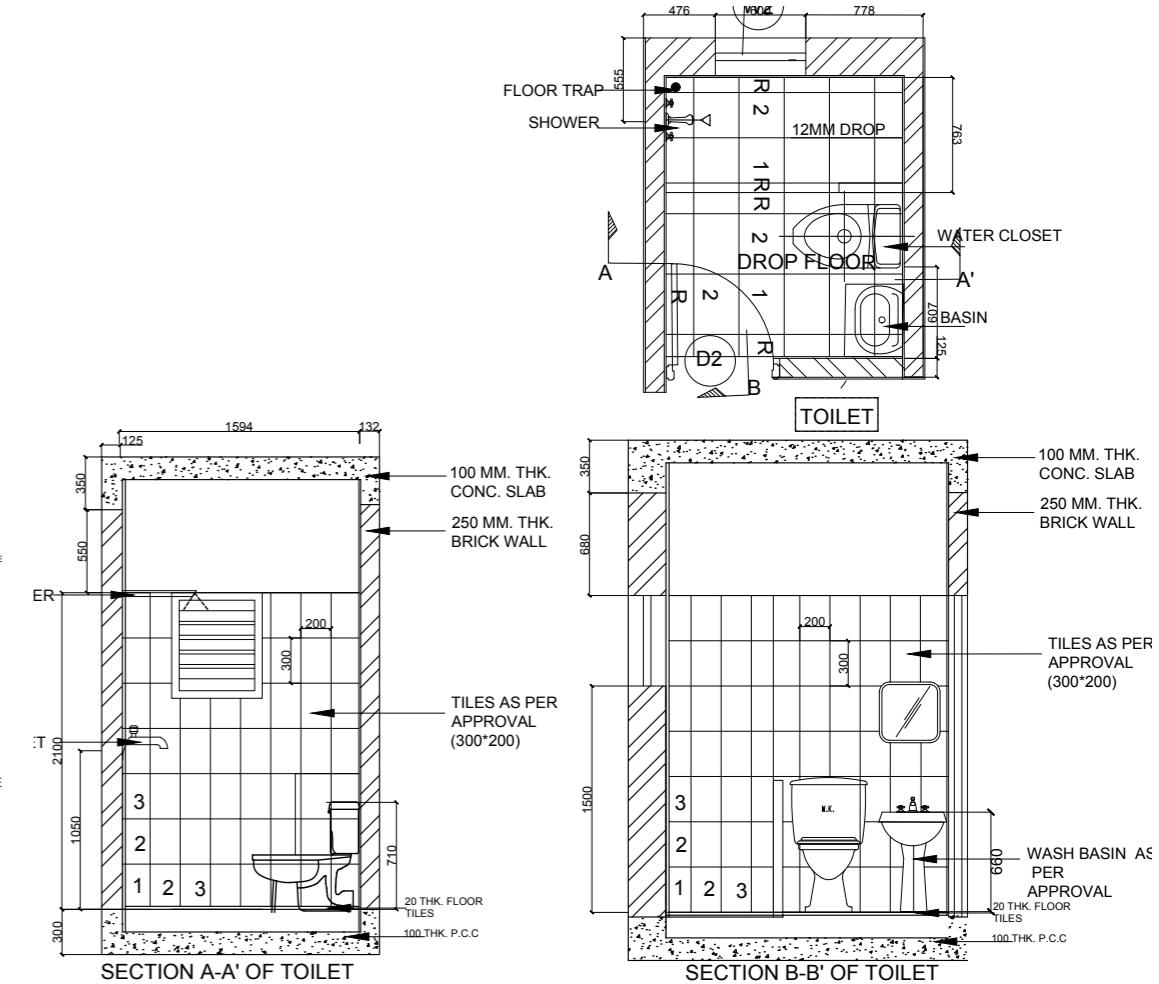
**SITE PLAN**  
SCALE 1:200



**FIRST FLOOR PLAN**    **SECOND ,THIRD ,FORTH FLOOR PLAN**  
SCALE 1:100



**ROOF FLOOR PLAN**



**SECTION**

# COMPETITION WINNING ENTRY I

## ZONASA 2K17

### ZONASA 2K17

WINNER ENTRY MAIN DESIGN 2

Designing a museum depicting the life story of saintkabir

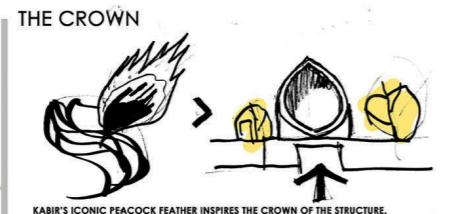
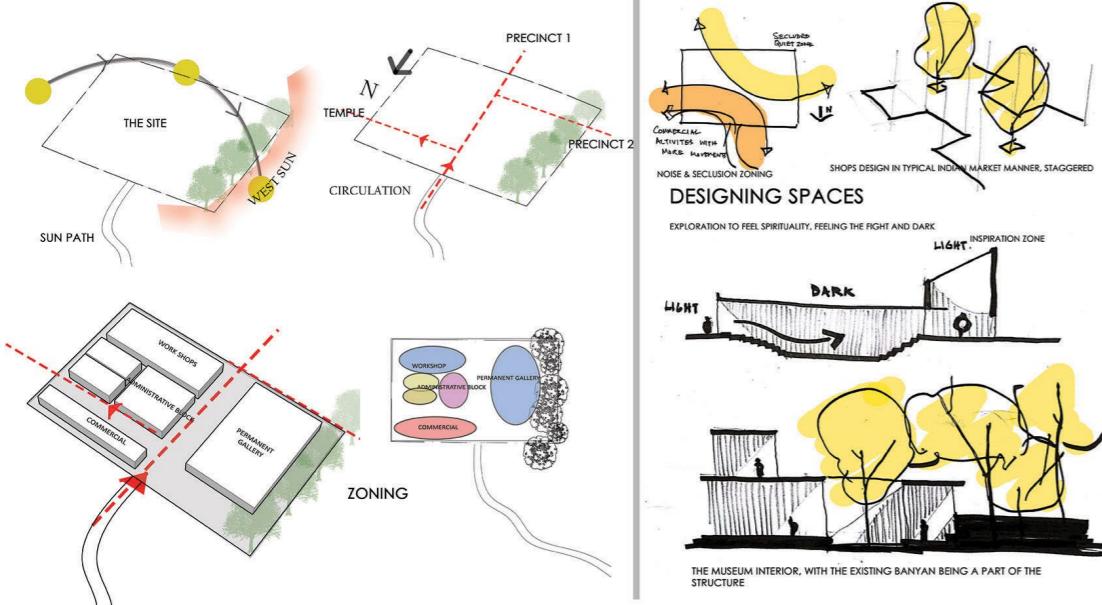


### REACHING THE ROOTS

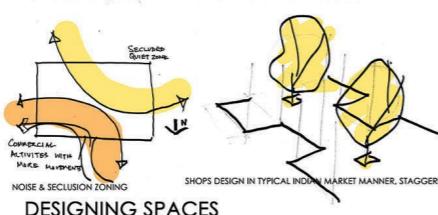
Respecting the context... Respecting the beliefs.. As the Museum is supposed to depicts the life and story of Saint Kabir, the design proposed reaches down, literally at the root level of the holy banyan in the site.

How much of the site should intervened? The structure is minimalist, with the existing vegetation popping through it. A Human scale solution is proposed. The design merges with the context.

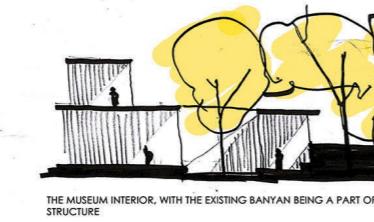
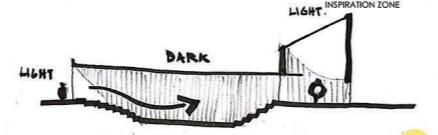
### DESIGN PROCESS



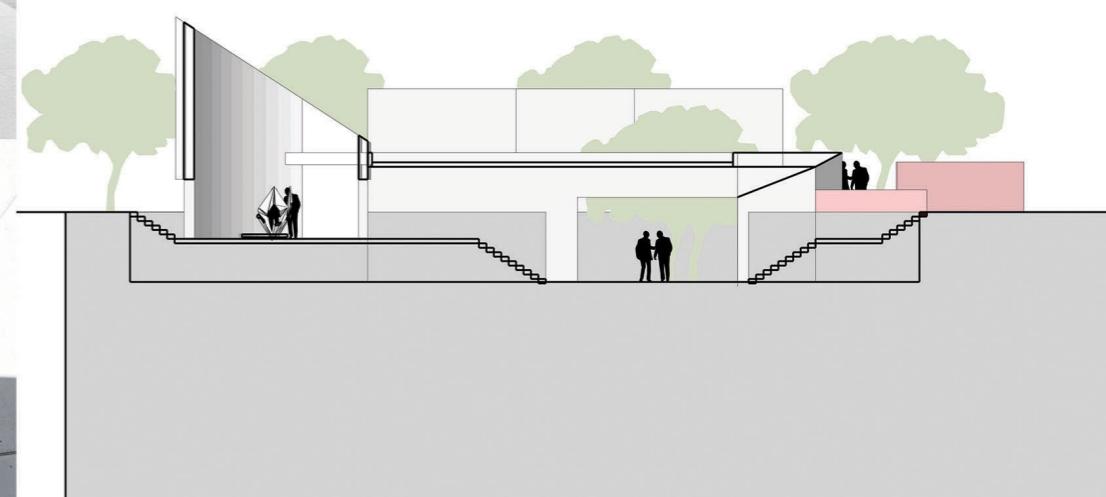
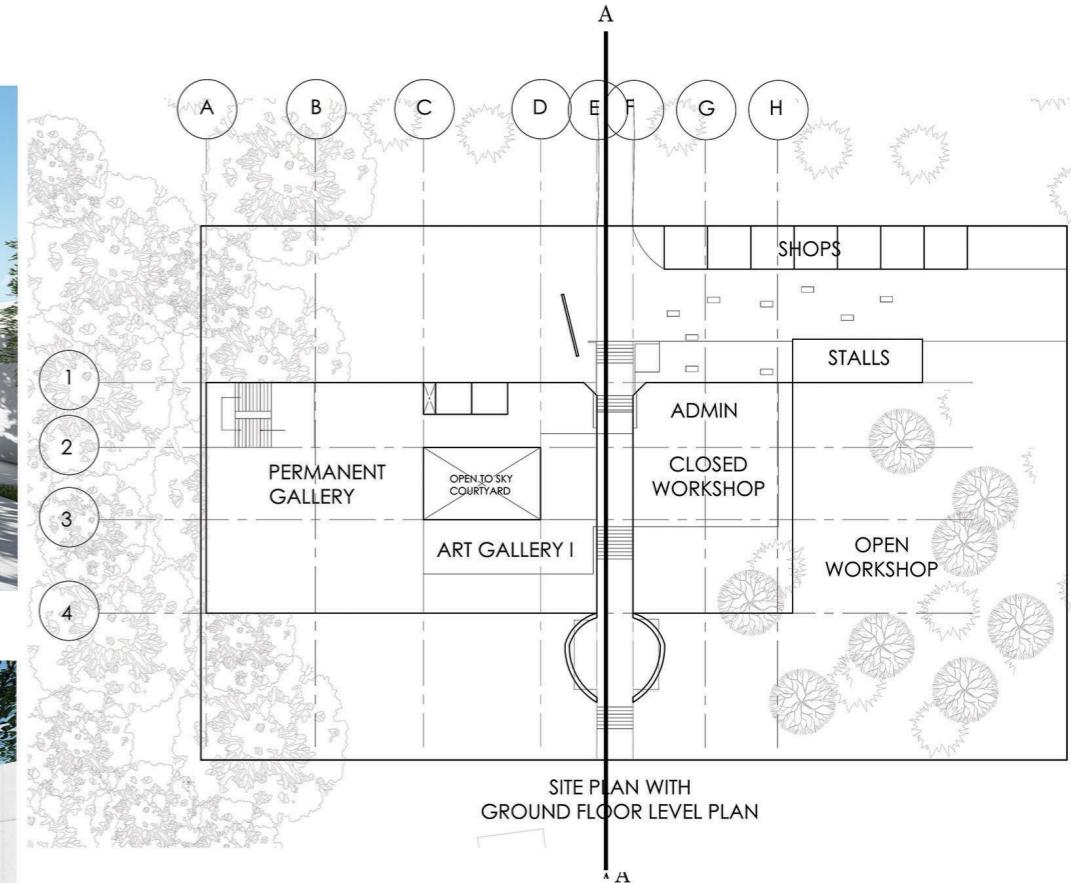
KABIR'S ICONIC PEACOCK FEATHER INSPIRES THE CROWN OF THE STRUCTURE.



EXPLORATION TO FEEL SPIRITUALITY, FEELING THE LIGHT AND DARK



depicting the peacock feather as kabir's crown



SECTION AA

**F** FREELANCE WORKS || EXTERIOR ELEVATION DESIGN + RENDER



Software  
Modeling- 3DS MAX  
Rendering-VRAY 3DS MAX  
Client -RANCHI

Software  
Modeling- 3DS MAX  
Rendering-VRAY 3DS MAX  
Client -RANCHI



**Softwares**  
**Modeling- 3DS MAX**  
**Rendering-VRAY 3DS MAX**  
**Client -SEMESTER DESIGN**  
**2nd YR**

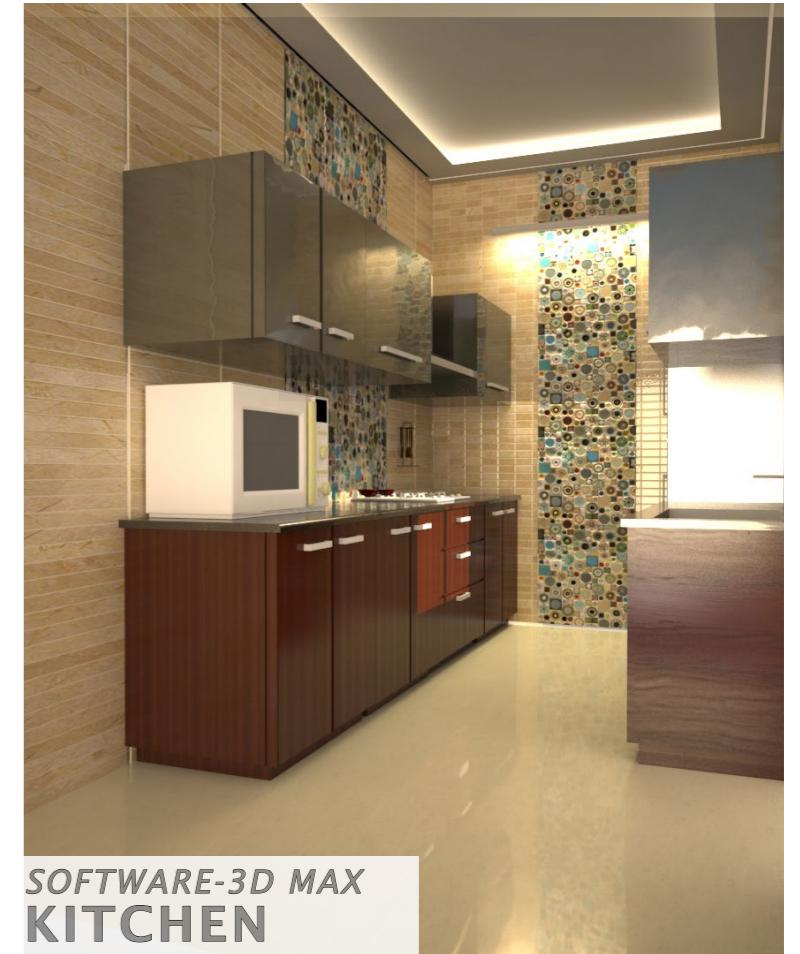


**Software**  
**Modeling- 3DS MAX**  
**Rendering-VRAY 3DS MAX**  
**Client -SEMESTER DESIGN**  
**2nd YR**

# E INTERIOR WORKS (RENDRES)



glimpse of interior  
renders freelance  
works



## D I G I T A L   A R T

I have great passion for digital art and  
portraits

CLICK ON ICON BELOW TO VIEW  
MY SELECTED WORKS

As an architect you design for the present, with an awareness of the past for a future which is essentially unknown"

— Norman Foster

THANK YOU