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## EDUCATION

### MASTERS OF ARCHITECTURE (M.ARCH)

FALL 2023 – SPRING 2025

New Jersey institute of technology

### BACHELOR OF ARCHITECTURE (B.ARCH)

2018 - 2023

Veer Narmad South Gujarat University, India

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## EXPERIENCE

### INTERN ARCHITECT

DEC 2021 – APR 2022

Upkrama Design LLP, Ahmedabad, India

- worked on commercial, residential, office building, and interior projects. Participated in the conceptual design and development and developed a working interior and architectural drawings collection. Done project planning and calculation and produced detailed drawings.

### INTERN ARCHITECT

JUNE 2024 – NOV 2024

Derk Garlick Architects, Hoboken, USA

- Worked mostly on residential, mixed use projects and dental office projects.
- I was working on creating working drawings and detailed drawings using Revit and AutoCAD software.

### TEACHING ASSISTANT

JUNE 2024 – CURRENT

Graduate teaching assistant at NJIT

- I am working on a booklet of architectural projects of grade students' work for exhibitions and competition.

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## INVOLVEMENT AND AWARDS

### REUBENS TROPHY - National Association of students of architecture, India (NASA)

2019 - 2020

- Secured 1<sup>st</sup> position at the zonal level and 2<sup>nd</sup> Position at the national level, Played the role of a participant.

### UNKNOWN CRAFTS PERSON TROPHY - National Association of students of architecture, India (NASA)

2019 - 2020

- Secured 2<sup>nd</sup> Position at the zonal level and played the role of a participant.

### LOURIE BAKER TROPHY - National Association of students of architecture, India (NASA)

2019 - 2020

- played the role of a Lead participant.

### ANNUAL NASA DESIGN COMPETITION - National Association of students of architecture, India (NASA)

2019 - 2020

- Secured 2<sup>nd</sup> Position at the national level and played the role of a participant.

### TRAFFIC ISLAND DESIGN COMPETITION - Conducted by Surat Municipal Corporation, India

2021

- Secured 1<sup>st</sup> Position

### WALL PAINTING WORKSHOP AND FERRO CEMENT WORKSHOP

2020

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## SKILLS

- Revit, AutoCad, Sketchup, Rhino, Microsoft Office tools, Photoshop, Lumion, InDesign
  - Model making, laser cut, 3D printing, leadership, communication, teamwork, presentation, Problem-solving
-



# Portfolio

**SALONI BALAR**

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**Architecture Report-Selected Work**



## SALONI N. BALAR

### PERSONAL INFORMATION

**D.O.B-** 14th June 2001

**CONTACT NUMBER-** +1(201)-344-2868

**EMAIL ID-** Ballarsalony@gmail.com

### EDUCATION

**B.ARCH-** Sarvajanic College of Engineering and Technology (India)

**M.ARCH-** New Jersey Institute Of Technology, NJIT (USA)

### EXPERIENCE AND ACHIEVEMENTS

**2019-2020** Reubens competition (62nd NASA Competition)  
1st Position at zonal lvl.  
2nd position at national lvl.

UCP trophy (62nd NASA competition)

Laurie baker competition (62nd NASA competition)

**2019-2020** Annual nasa design competition (63rd NASA Competition)

**2020-2021** Traffic Island design competition  
1st Winner

**2020** Wall painting workshop and ferro cement workshop

### DOCUMENTATION

**2018-2019** Rural study tour (Nargol, gujarat, India)

**2019-2020** National study tour (Jaisalmer, India)

62nd NASA Convention (Amity university, mumbai, India)

### PROFESSIONAL EXPERIENCE

**DEC 2021 - APRIL 2022** Undergrade Internship  
At Upkrama Design LLP, Ahmedabad, India  
-Did several projects related to architecture and interior both.  
-Participated on all phases of Design and construction.

**JUNE 2024 - NOV 2024** Graduate Internship  
At Derk Garlick Architects, Hoboken, USA  
-Did several residential and dental office projects.  
-Worked on design, working and detail drawings.

### SKILLS

REVIT	<div style="width: 100%; height: 10px; background-color: black;"></div>
AUTOCAD	<div style="width: 100%; height: 10px; background-color: black;"></div>
SKETCHUP	<div style="width: 100%; height: 10px; background-color: black;"></div>
RHINO	<div style="width: 70%; height: 10px; background-color: black;"></div>
LUMION	<div style="width: 90%; height: 10px; background-color: black;"></div>
TWIN MOTION	<div style="width: 60%; height: 10px; background-color: black;"></div>
PHOTOSHOP	<div style="width: 100%; height: 10px; background-color: black;"></div>
MS OFFICE	<div style="width: 80%; height: 10px; background-color: black;"></div>

### SOFT SKILLS

- MODEL MAKING
- LASER CUT
- LEADERSHIP
- COMMUNICATION
- TEAMWORK
- PRESENTATION
- PROBLEM-SOLVING
- TIME MANAGEMENT

# CONTENT

01



HUDSON YARD- WESTERN YARD

03



ART CENTRE

05



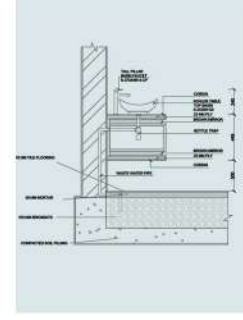
BAHAI TEMPLE

07



THE CUBE HOUSE

09



WORKING DRAWING

11



ANDC TROPHY

13



NST- AGRA

02



GLASSWORKS

04



UPLIFTING AND SKILL DEVELOPMENT CENTRE

06



HOSPITAL

08



MIDTOWN MORBI

10



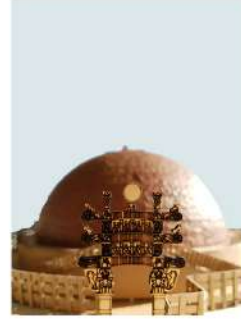
NST- JAISALMER

12



UCP TROPHY

14



SKILL

# 01

## MIXED USE BUILDING

### HUDSON YARD- WESTERN YARD

#### PROJECT DESCRIPTION:

- This studio project is intended to address and solve the global housing scarcity problem, a critical issue. The goal of this studio is to rethink urban development in a way that goes beyond the traditional way of thinking by focusing on the second stage of the Hudson Yards site, notably Phase II, known as the Western Yard.

- Project type: Mixed use Building

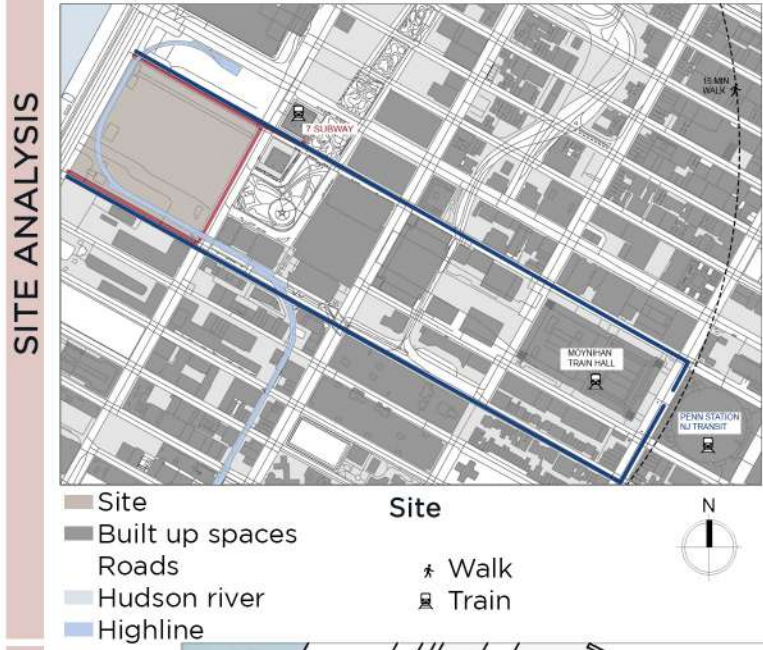
- Area: 64,9324 sqft



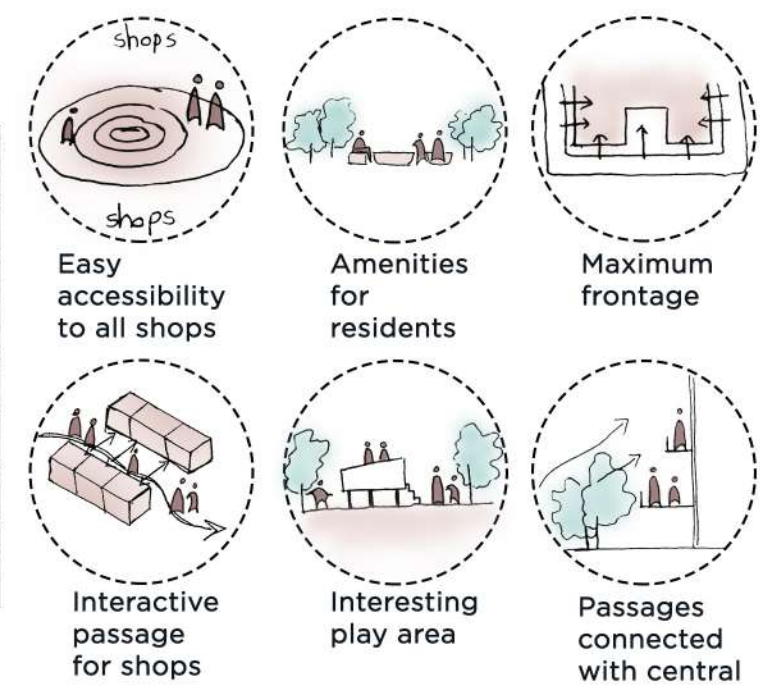
SITE ANALYSIS

#### LOCATION:

- USA- New York- Hudson Yards.
- The site is Western Yard of Hudson Yard (phase 2) located in Manhattan.



#### CONCERNS AND CONCEPT :



MASTER PLAN



Floor plan at 25'0" level

0 20 60 100M



FLOOR PLANS



Floor plan at 30'0" level



Terrace plan



CLUSTER PLANS



- Studio
- 1 bed- 1bath
- 1 bed- 1bath
- 2 bed- 1bath
- 2 bed- 1.5bath
- 3 bed- 2bath
- 3 bed- 2bath

3D VIEWS



View from central area



Sitting ahead shops



Commercial shops



View from Hudsons river

UNIT PLANS



Total area: 345 sqft

Total area: 665 sqft

Total area: 1250 sqft

Total area: 1330 sqft

Hudson River



Site section AA'



Site Section BB'

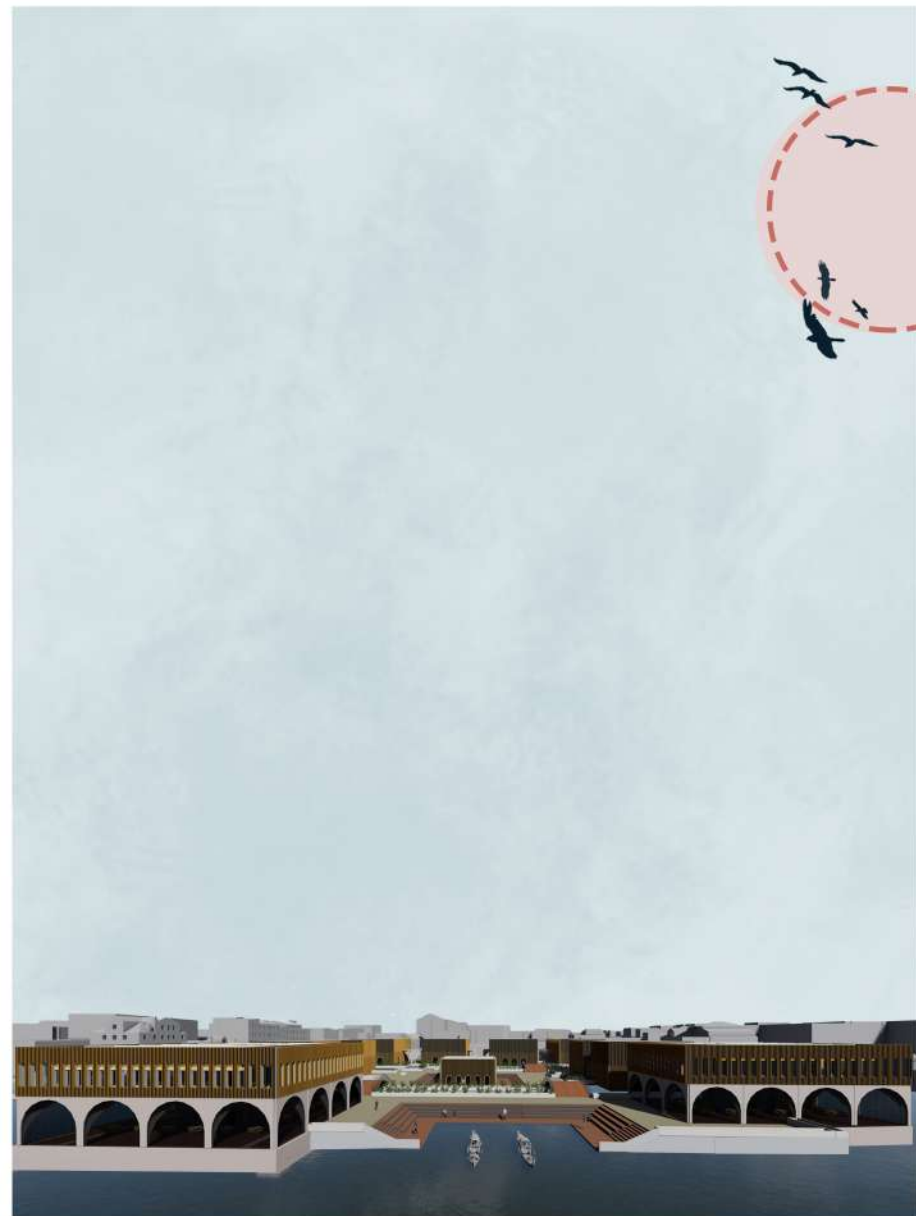
# 02 GLASSWORKS

## PROJECT DESCRIPTION:

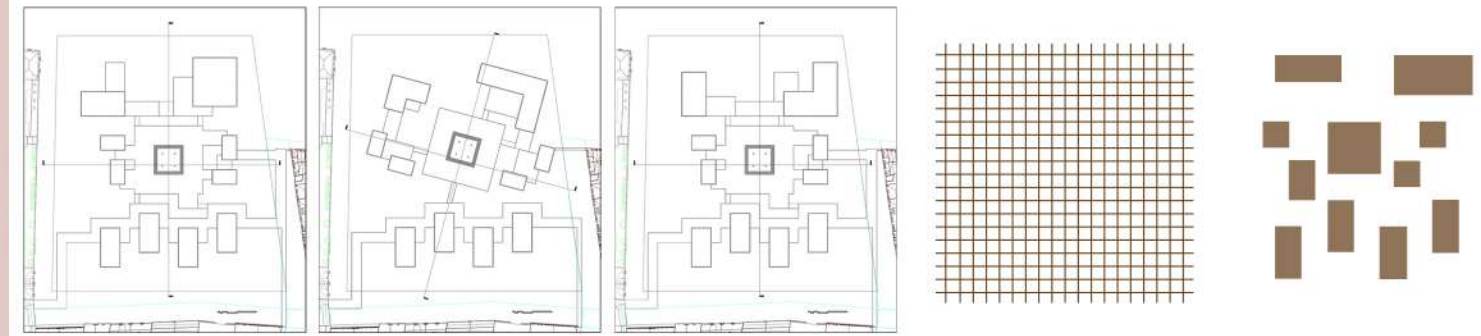
- The project envisions an integrated cultural and public space in Venice, featuring a glass-work museum, artist studios, a public campo, and a public garden. The design fuses Venetian architectural traditions with modern aesthetics. The design establishes a network of pathways and visual corridors that seamlessly link the museum, studios, campo, and garden with the surrounding urban and natural environment. These pathways facilitate fluid movement between spaces, encouraging visitors to experience each area as part of a cohesive journey. Given the site's location amidst water, the design incorporates canals and reflective pools as key elements.

- Project type: workshop/museum

- Area: 70000 sqft



## CONCEPT DIAGRAMS:

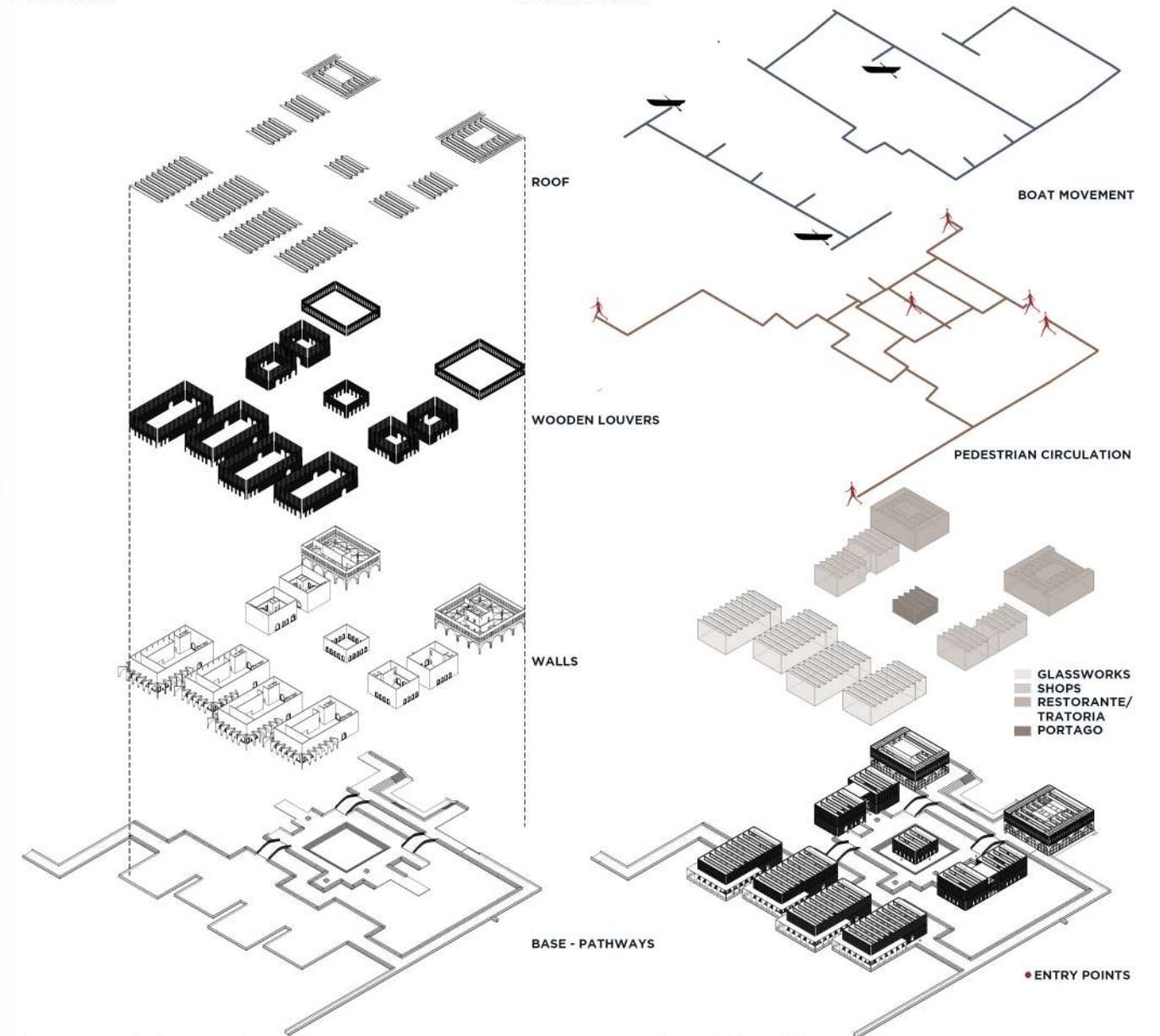


AXIAL FORMAL

ABSTRACT

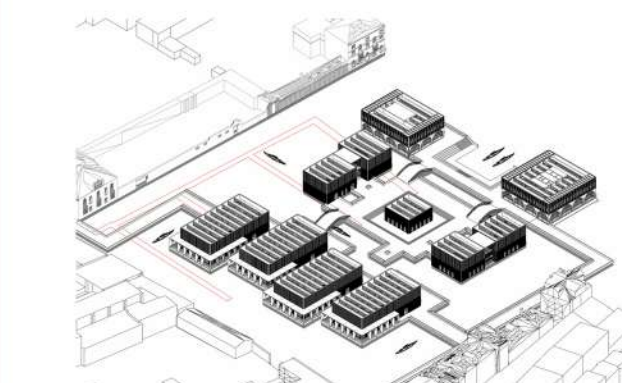
AXIAL CLUSTERED

CONCEPT AND DESIGN DIAGRAMS

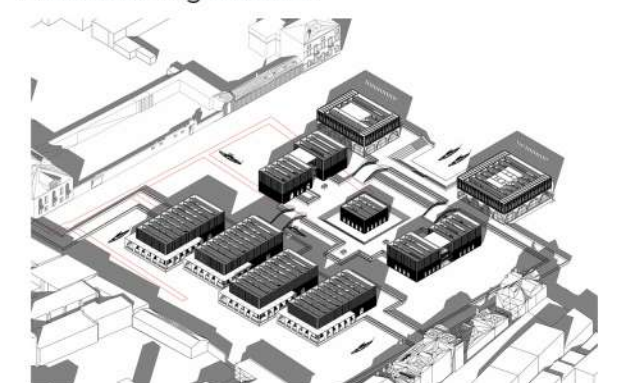


formal ordering system

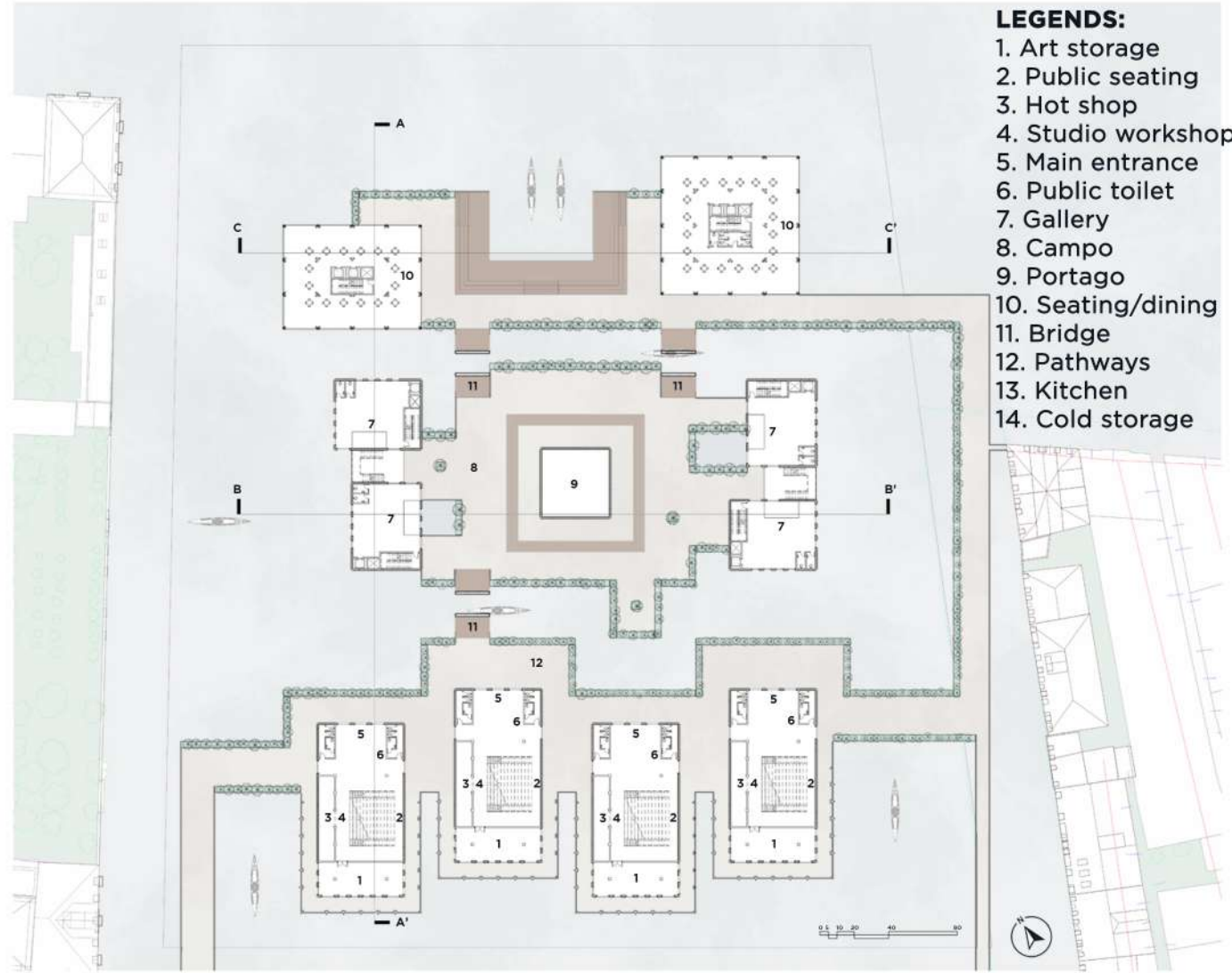
site relationships functional organization



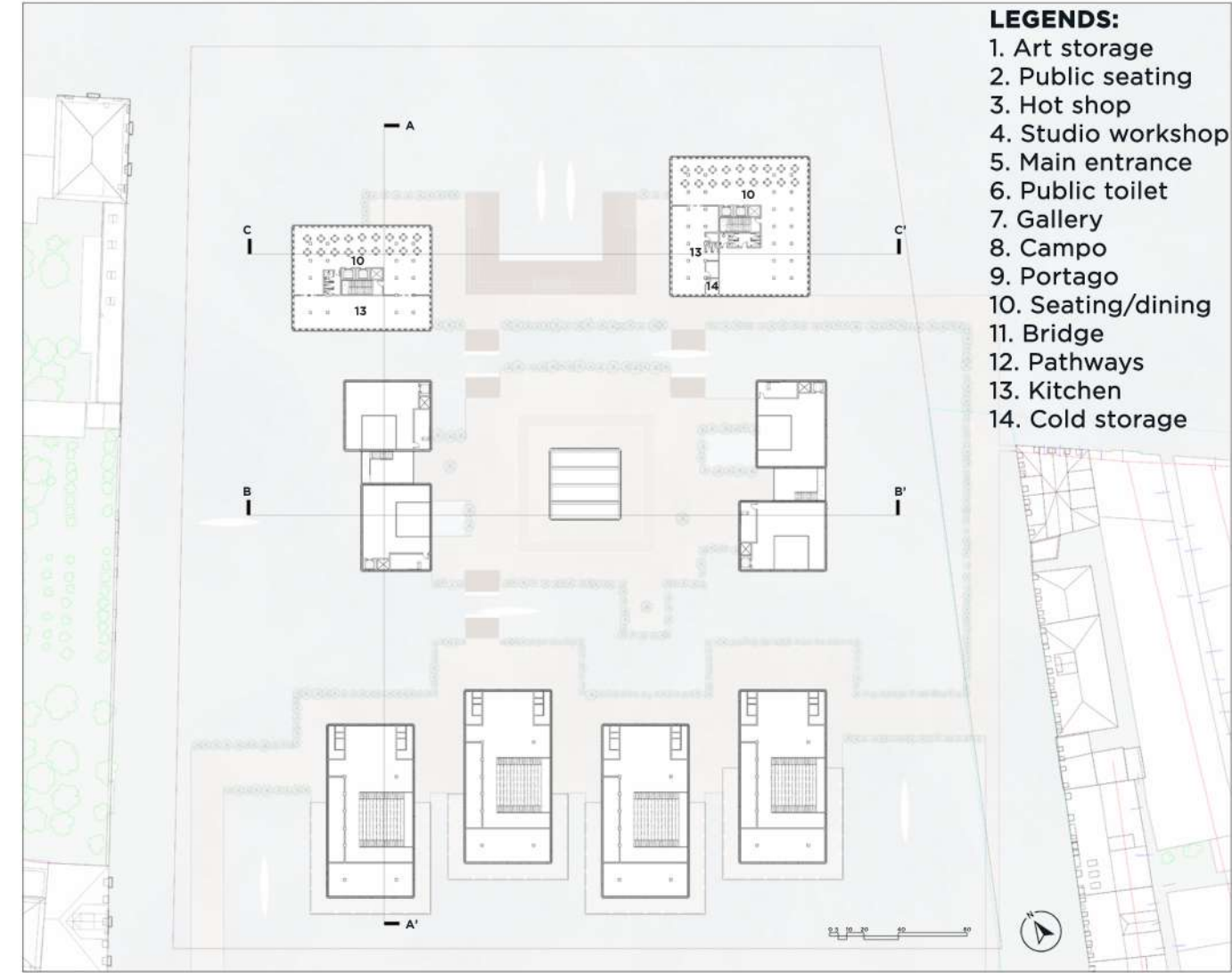
summer solstice



winter solstice



Level 1: floor plan



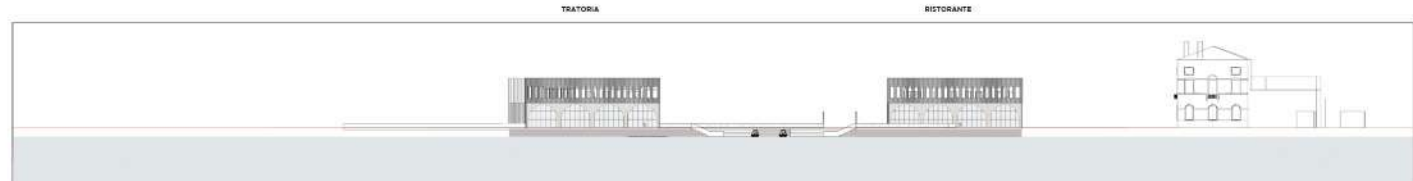
Level 2: floor plan



East Elevation



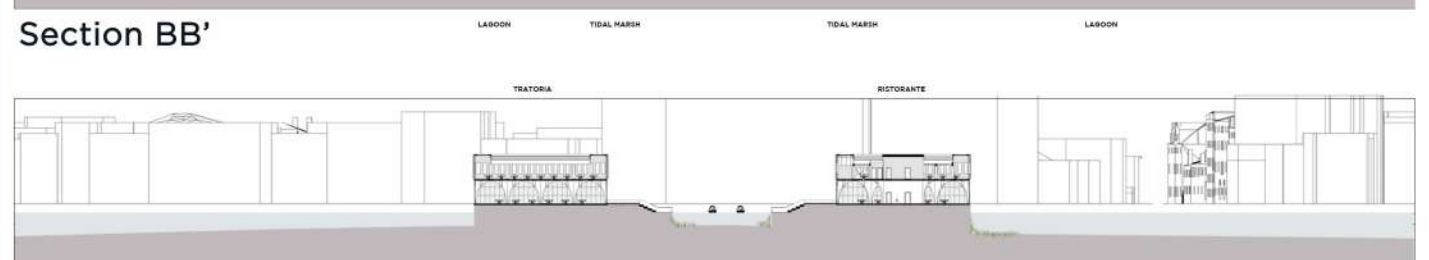
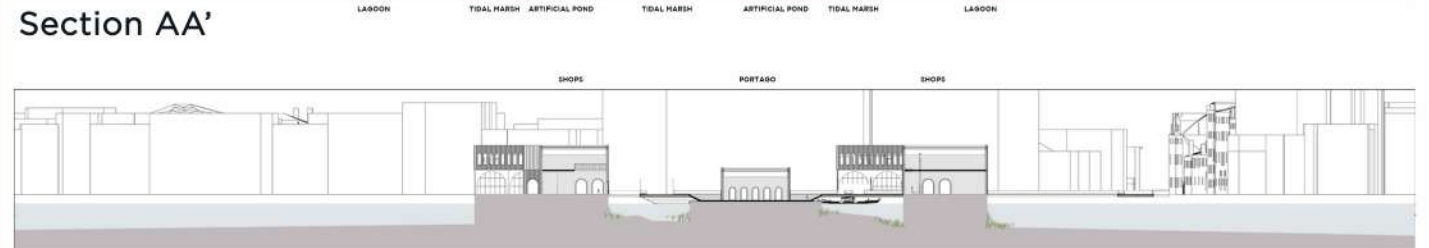
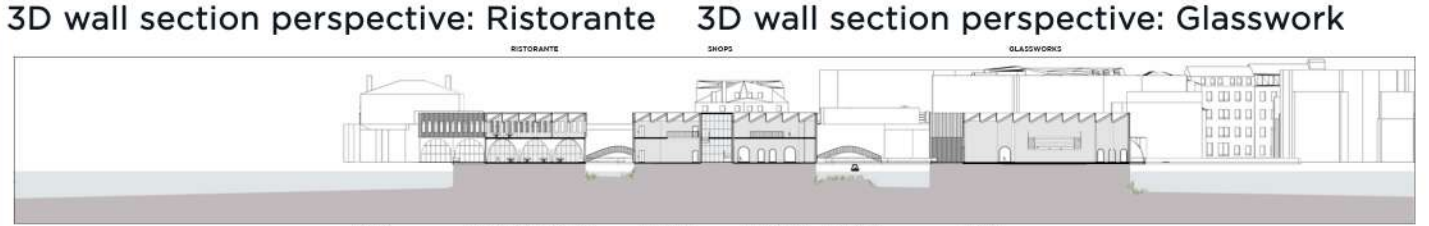
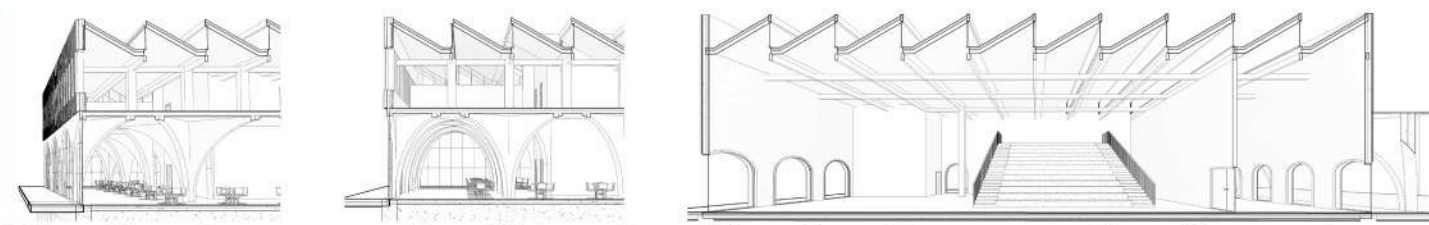
West Elevation



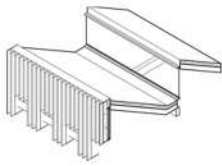
North Elevation



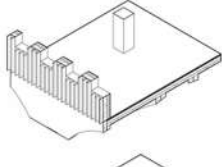
South Elevation



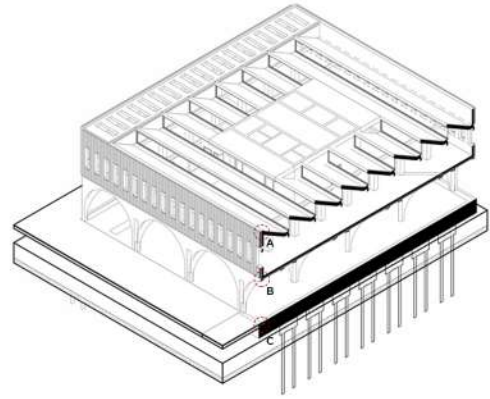
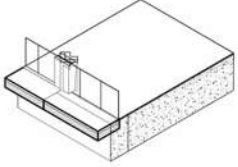
Detail A



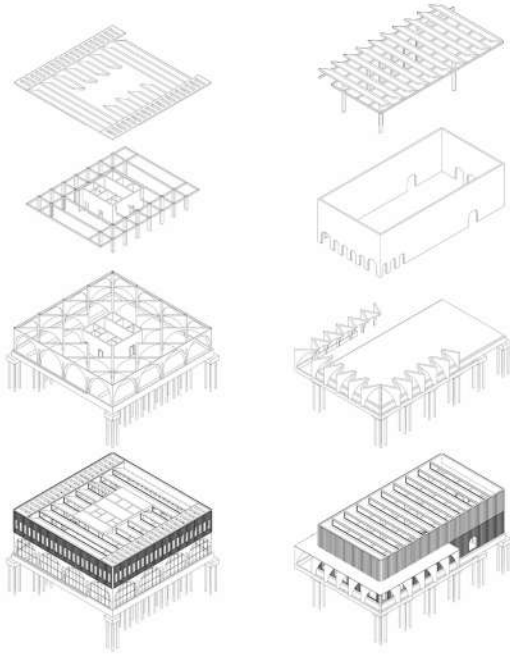
Detail B



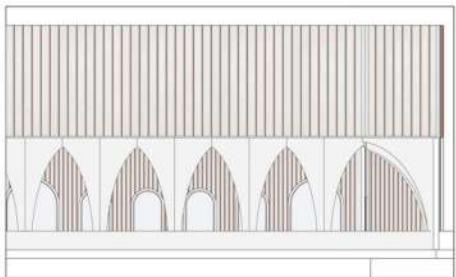
Detail C



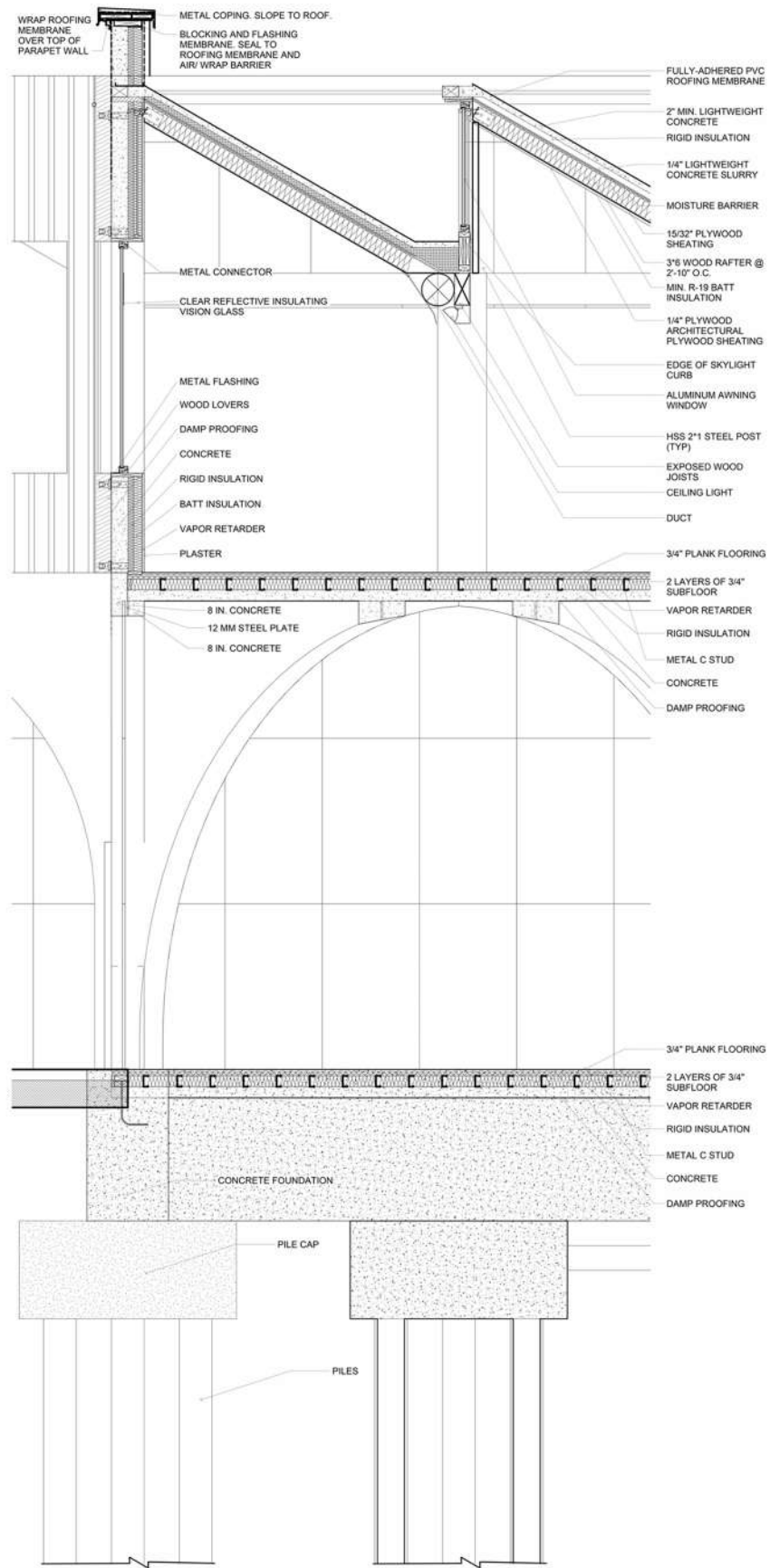
Ristorante 3D section



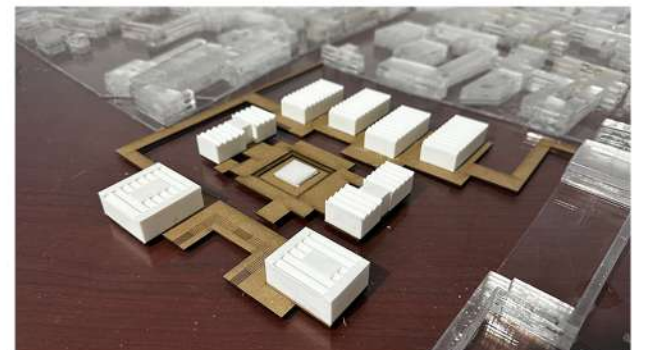
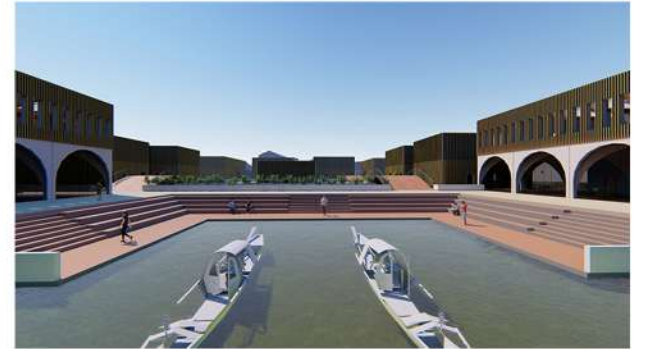
Ristorante & Glasswork structure



Glasswork materiality



Wall section



# 03

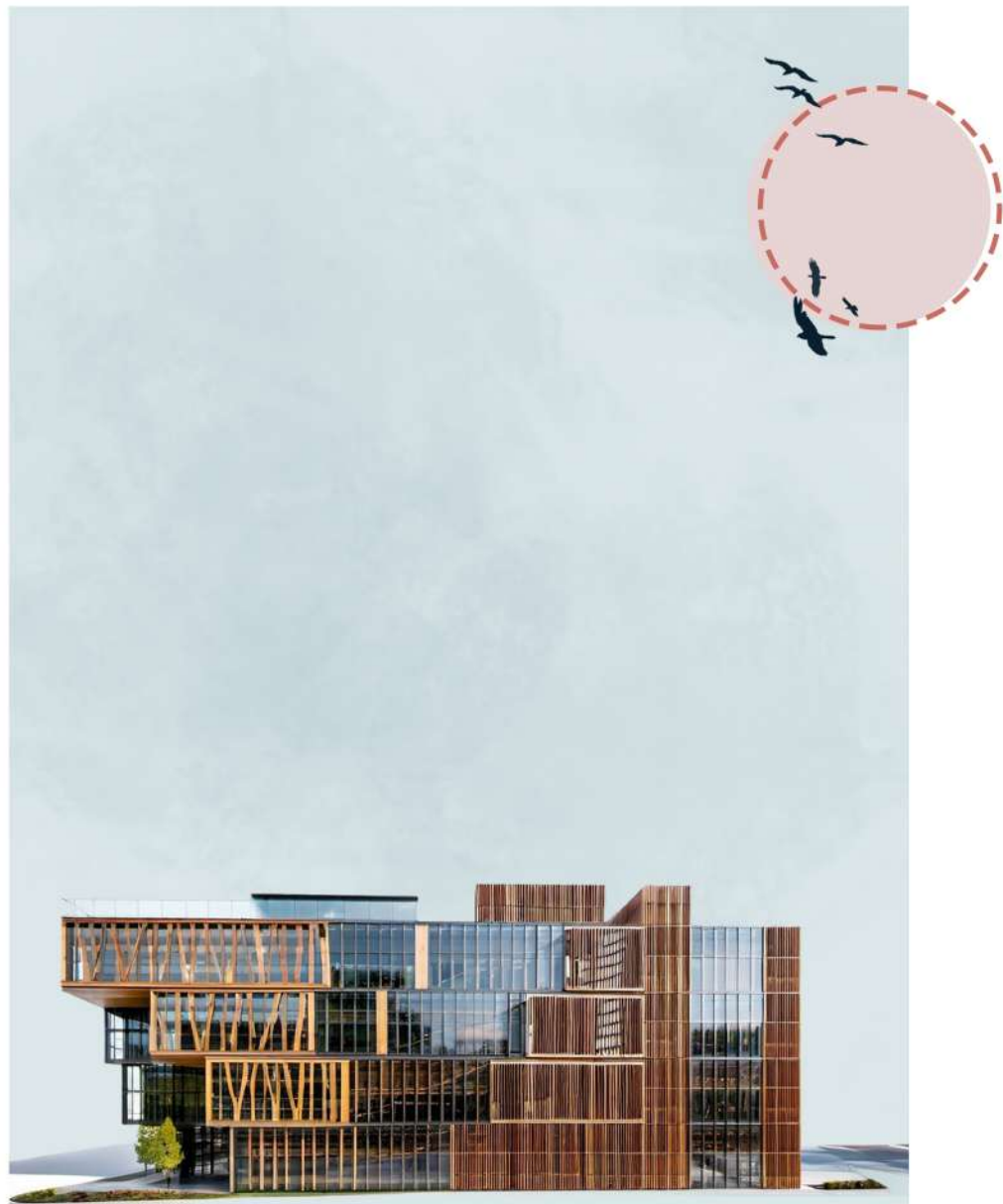
## ART EDUCATION AND COMMUNITY CENTRE

### PROJECT DESCRIPTION:

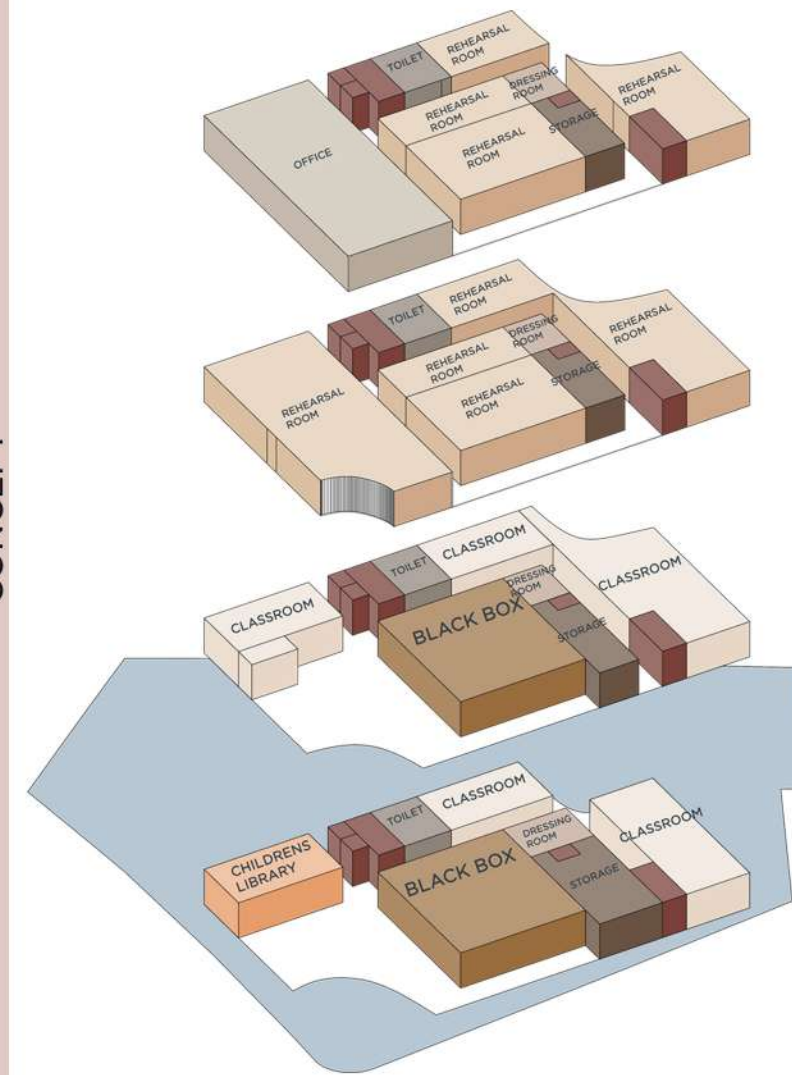
- The curved nexus in Newark is a striking art and cultural centre characterised by its iconic cuboid structure with carved concave surfaces, offering panoramic views of the city. Its concave curved surfaces are sculpted to evoke a sense of fluidity and grace. It serves as a focal point for community engagement, hosting diverse events from art exhibitions to public gatherings. With its sleek lines and minimalist aesthetics, it is a visually stunning landmark in the cityscape. The interplay of light and shadow against the concave curved surfaces of our centre adds an element of drama and depth to the architectural composition.

- Project type: Art Centre

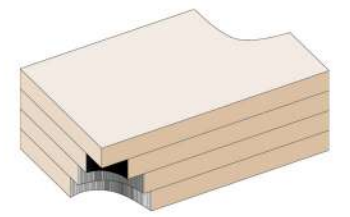
- Area: 71,660 sqft



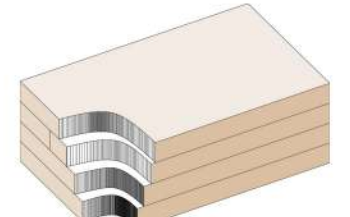
### PROGRAMMETRIC DIAGRAM:



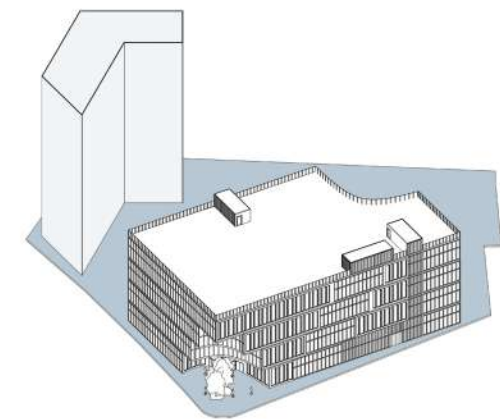
### MASSING DIAGRAM :



NORTH SIDE

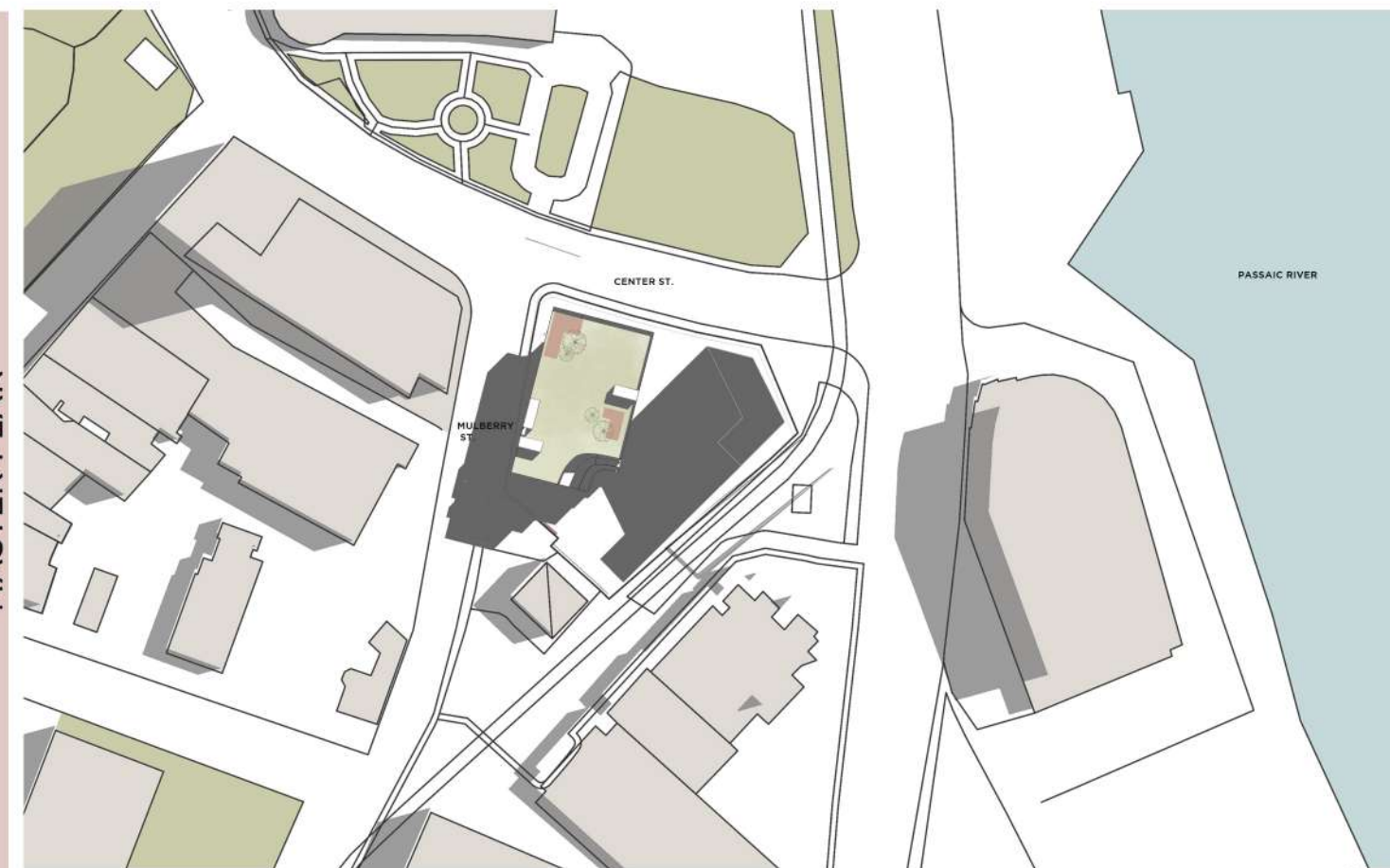


SOUTH SIDE



### CONCEPT

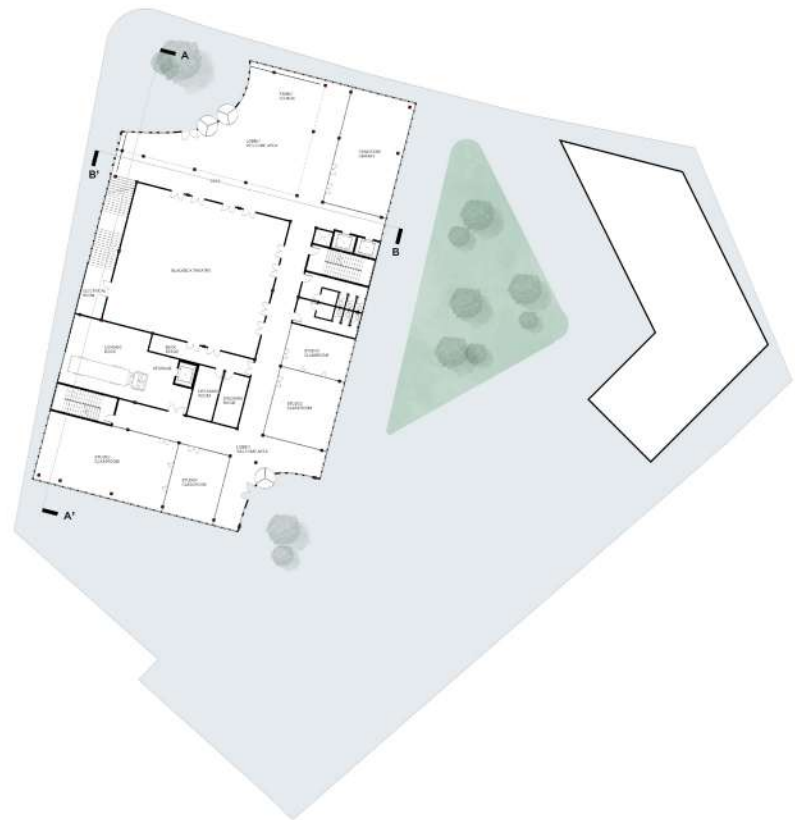
### MASTER PLAN



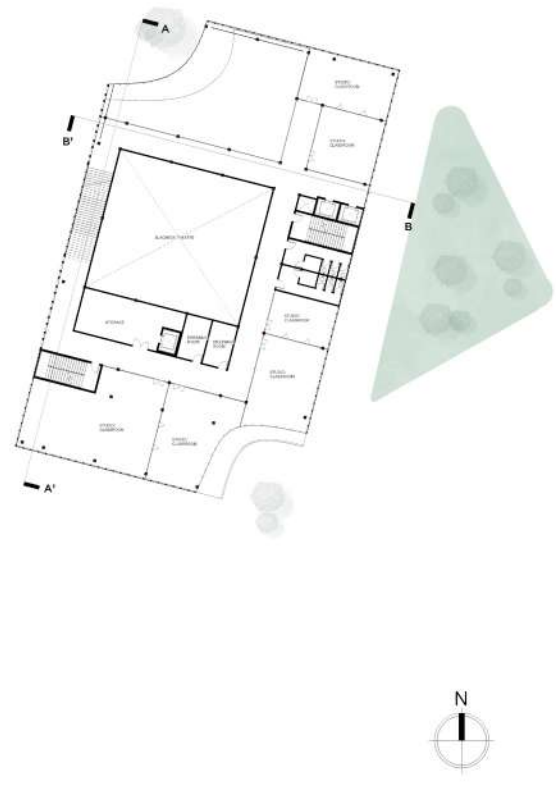
Site plan



FLOOR PLANS



Level 1 floor plan



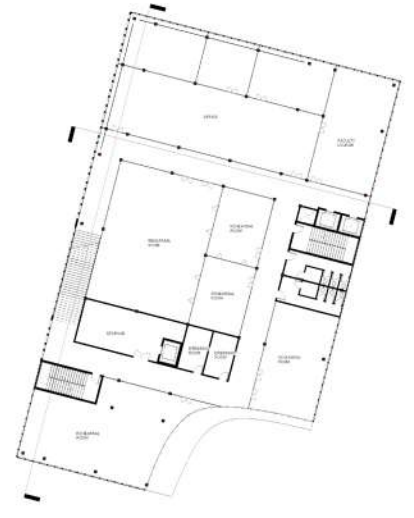
Level 2 floor plan



FLOOR PLANS



Level 3 floor plan



Level 4 floor plan



3D VIEWS

Overall view from north side



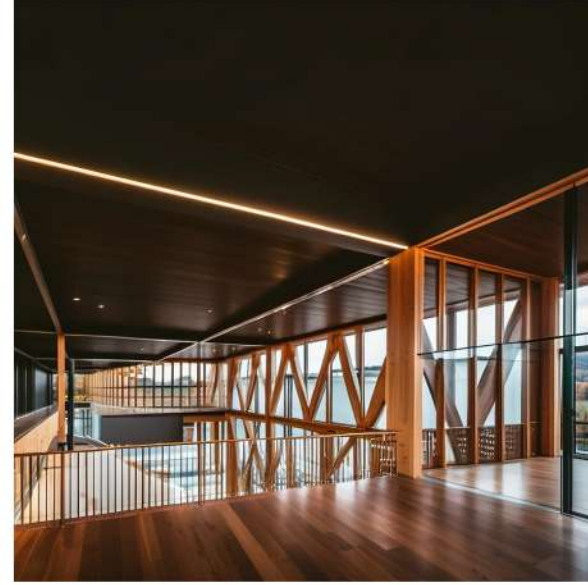
Lobby/ Entrance area



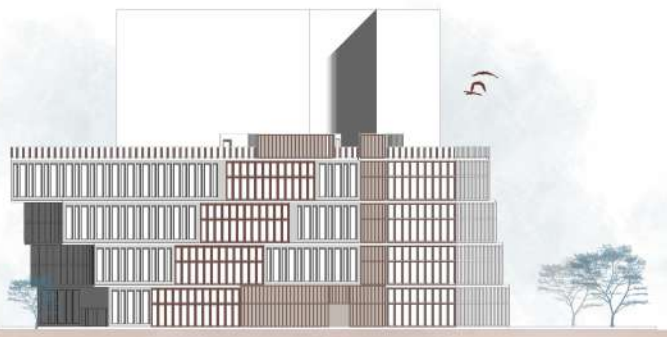
Overall view from south side



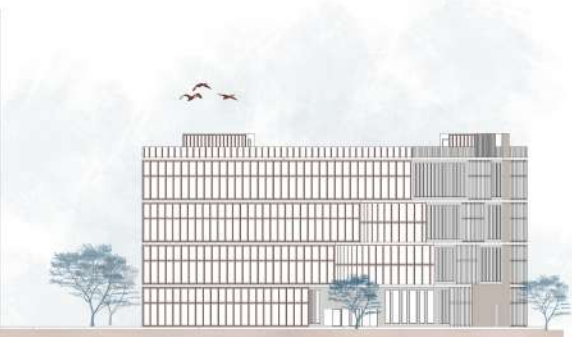
View from passage



3D VIEWS



West Elevation



North Elevation



Section AA'



Section BB'

# 04

## UPLIFTING AND SKILL DEVELOPMENT CENTRE FOR WOMEN REDEVELOPMENT

### PROJECT DESCRIPTION:

- This project aimed to develop a skill development centre for women in Kutch city, India where they are being prepared for jobs and can enhance their traditional art skills and management skills.
- Kutch is the largest state of Gujarat. The Kutch's unique character is mostly derived from its ethnic background, native crafts, architecture, and indigenous culture. There are several organizations dedicated to preserving certain elements, such as handicrafts, built crafts, and other traditional art forms.



### LOCATION:

- India- Gujarat- Kutch  
- Sewa International Design & Development Centre (SIDDC) is located at Jiyapar Tal, Nakhatrana, Kutch District, Gujarat. This centre employs women involved in Embroidery work in 16 villages. The artisans have since been associated with the organization and doing quality bandhani (Tie & Die) and embroidery work.

### LAND-USE MAP:



### SITE ANALYSIS



India



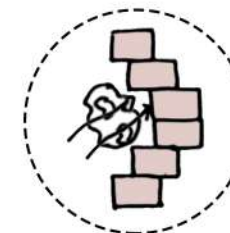
Gujarat

### CLIMATE:

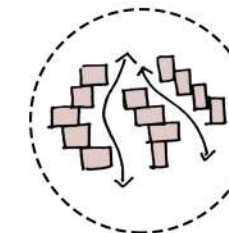
- Bhuj is quite hot during the summer months. The monsoon in Bhuj starts in June and continues up to September.

- Total site area: 10,597 sqm
- The current site area is around 5000 sqm

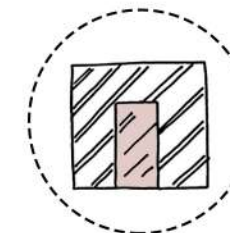
### CONCERNS AND CONCEPT



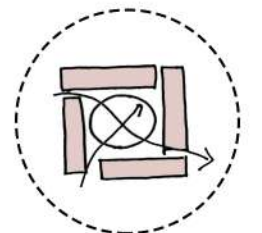
Vegetation in between



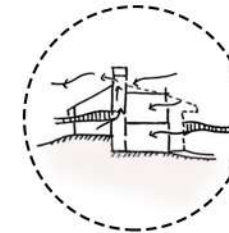
Residence pattern



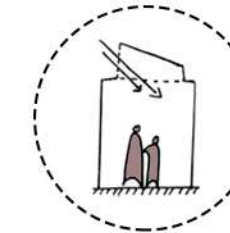
Central working court



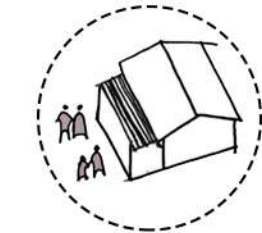
Workshop plan formation



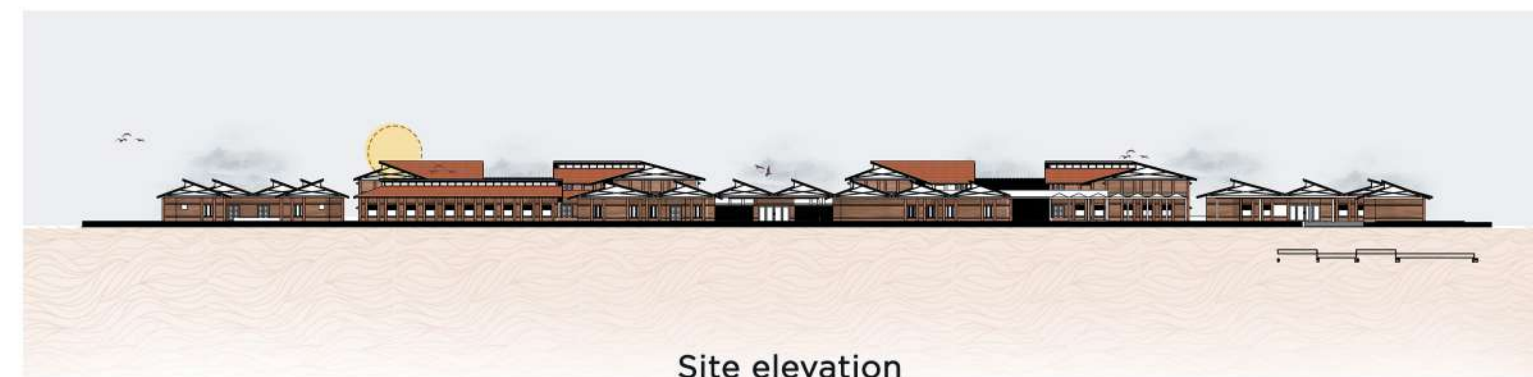
Kutch house ventilation



Natural sunlight



Shading in workshops



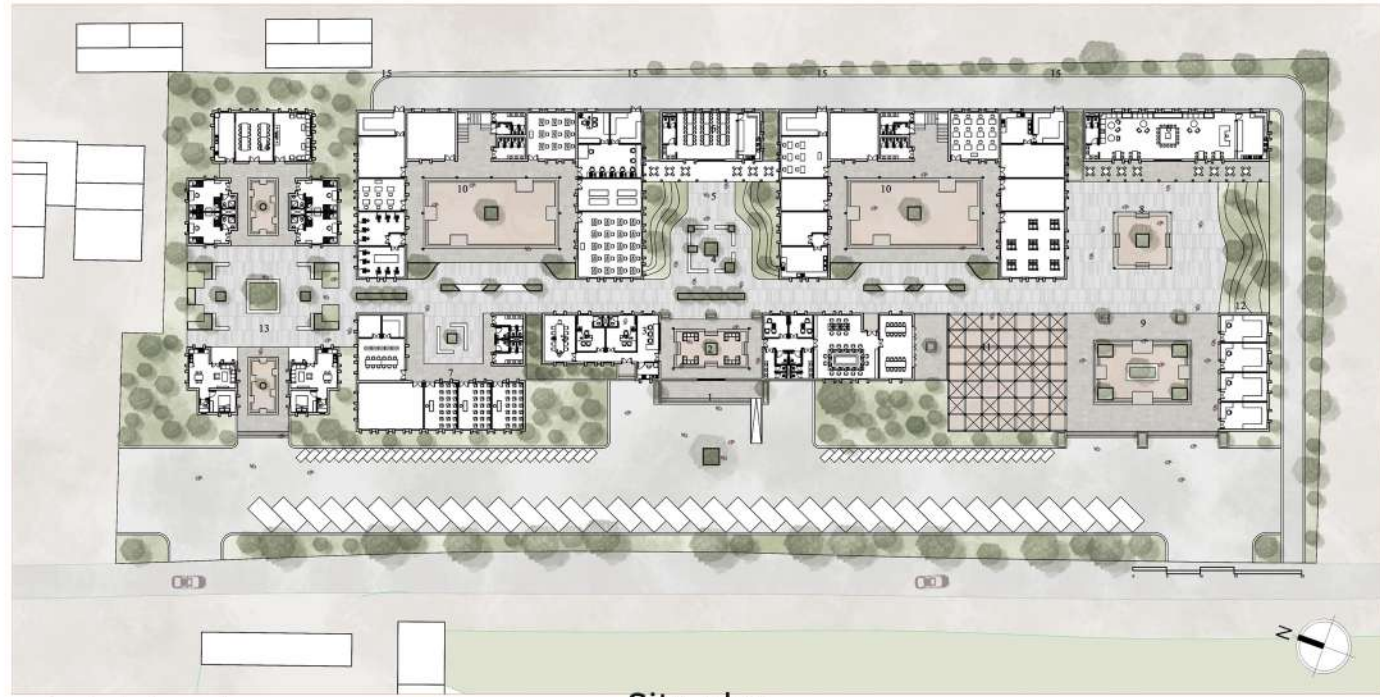
Site elevation



Roof plan



Second floor plan



Site plan



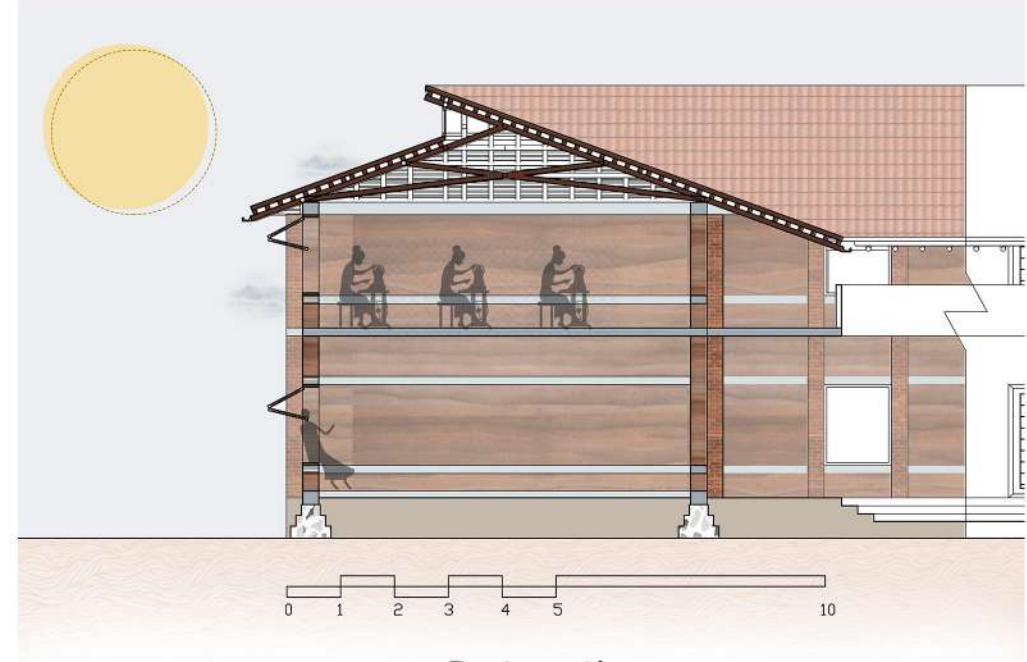
Section AA'



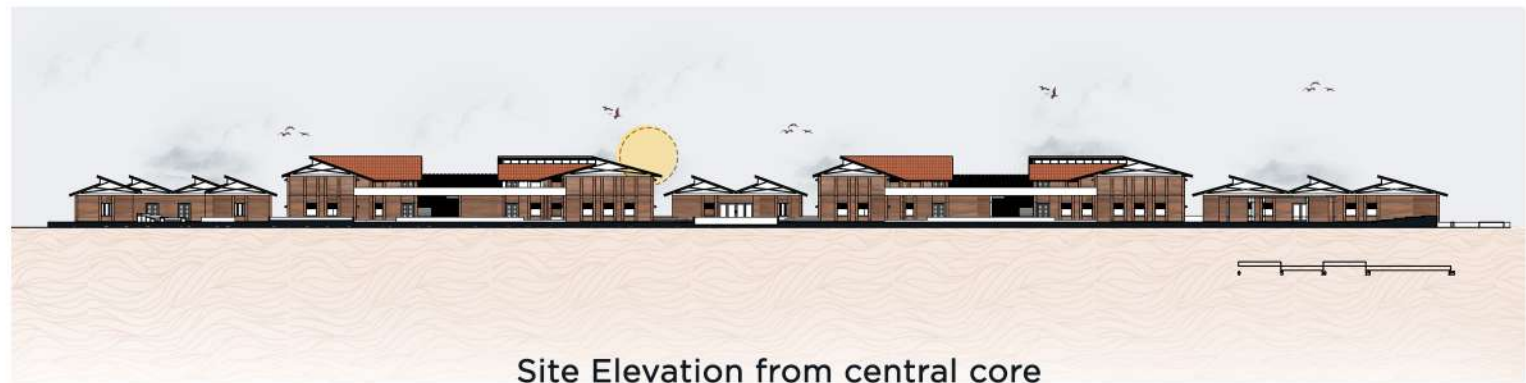
Section BB'

**LEGENDS:**

- 1. Main entry
- 2. Waiting area
- 3. Administration
- 4. Central spine
- 5. Amphitheatre
- 6. Food court area
- 7. Creche
- 8. Semi-open multipurpose area
- 9. Central sitting area
- 10. Workshops
- 11. Permanent exhibition area
- 12. Shops
- 13. Residence area
- 14. Dormitory
- 15. Loading unloading area



Part section



Site Elevation from central core

Classroom



Front Elevation



Entrance Courtyard



Sitting area



Central sitting area



Exhibition area



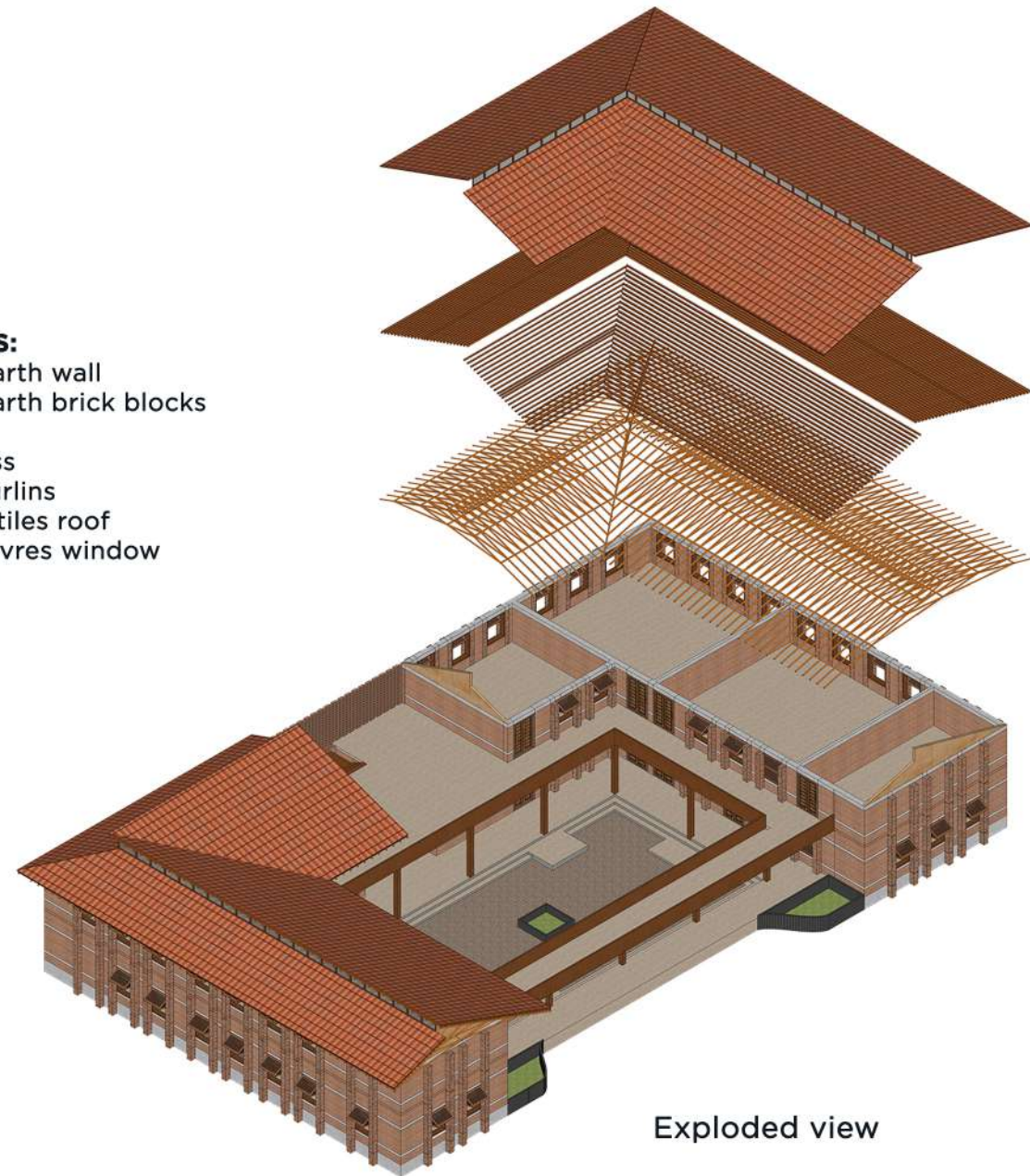
Residence area for faculty



DETAILS

**MATERIALS:**

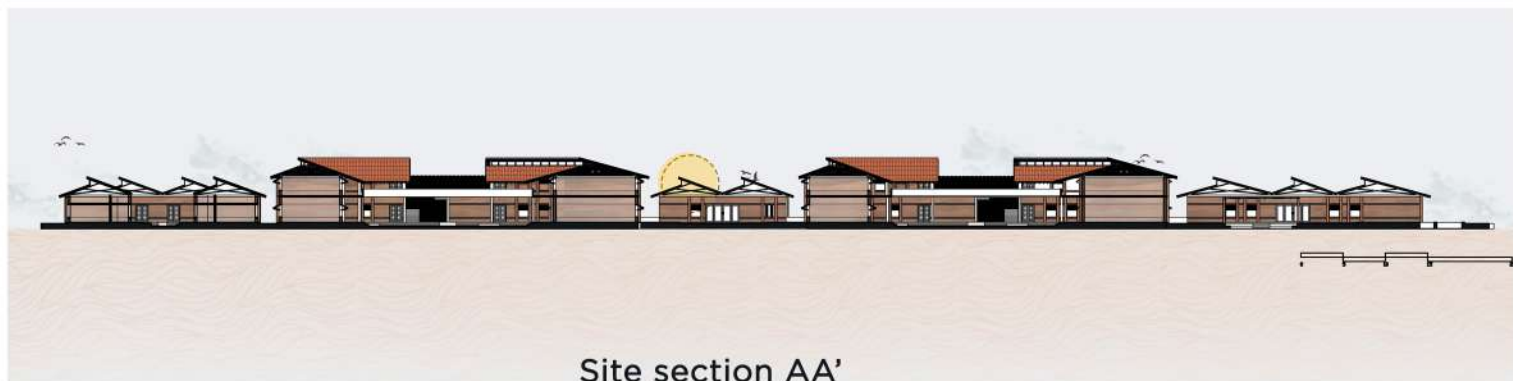
- Rammed earth wall
- Rammed earth brick blocks
- Stone
- Scissor truss
- Wooden purlins
- Mangalore tiles roof
- Vertical louvres window
- Glass panel



Exploded view

3D VIEWS

Site section AA'



Site section BB'



# 05

## BAHAI TEMPLE

### PROJECT DESCRIPTION:

- Baha'i symbolism borrows many symbols from other faiths as well as creating their own. Bahai reflects God, humanity, equality, science and religion together.

- The aim was to create a space where all religious people could come together and pray and meditate together. Also, to create a large interesting site area where people can interact with each other on different nodes and functions.

- Project type: Religious space

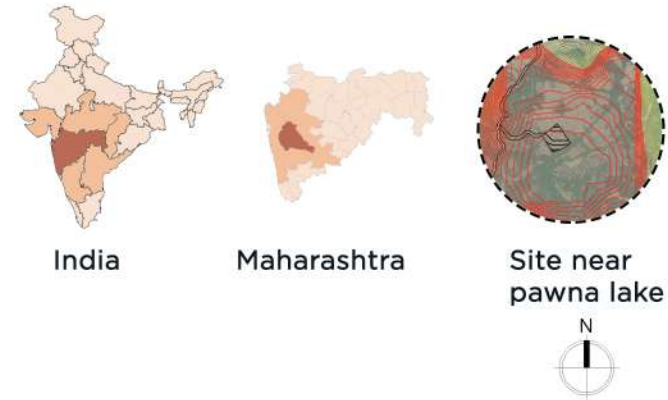
- Area: 58,345 sqm



### LOCATION:

- India- Maharashtra- Lonavala, pune
- The site is located near the Pawna Lake and it is essentially an artificial lake.
- Pawna Dam is located on Pawna River in Maval taluka, around 40 km from the borders of Pimpri Chinchwad city.

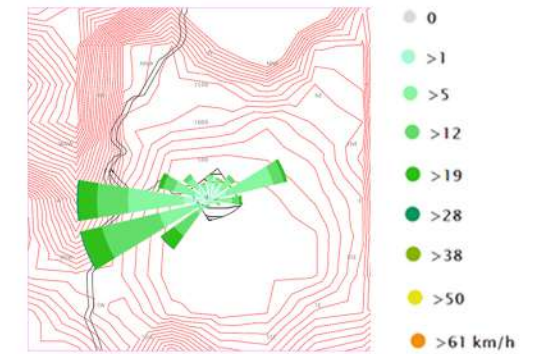
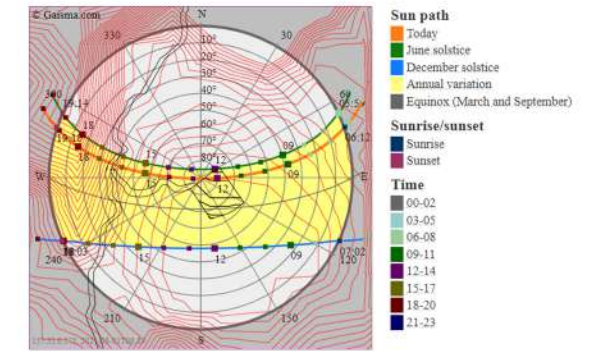
### SITE ANALYSIS



### CLIMATE:

- The place has a tropical climate and receives considerable rainfall during the year.

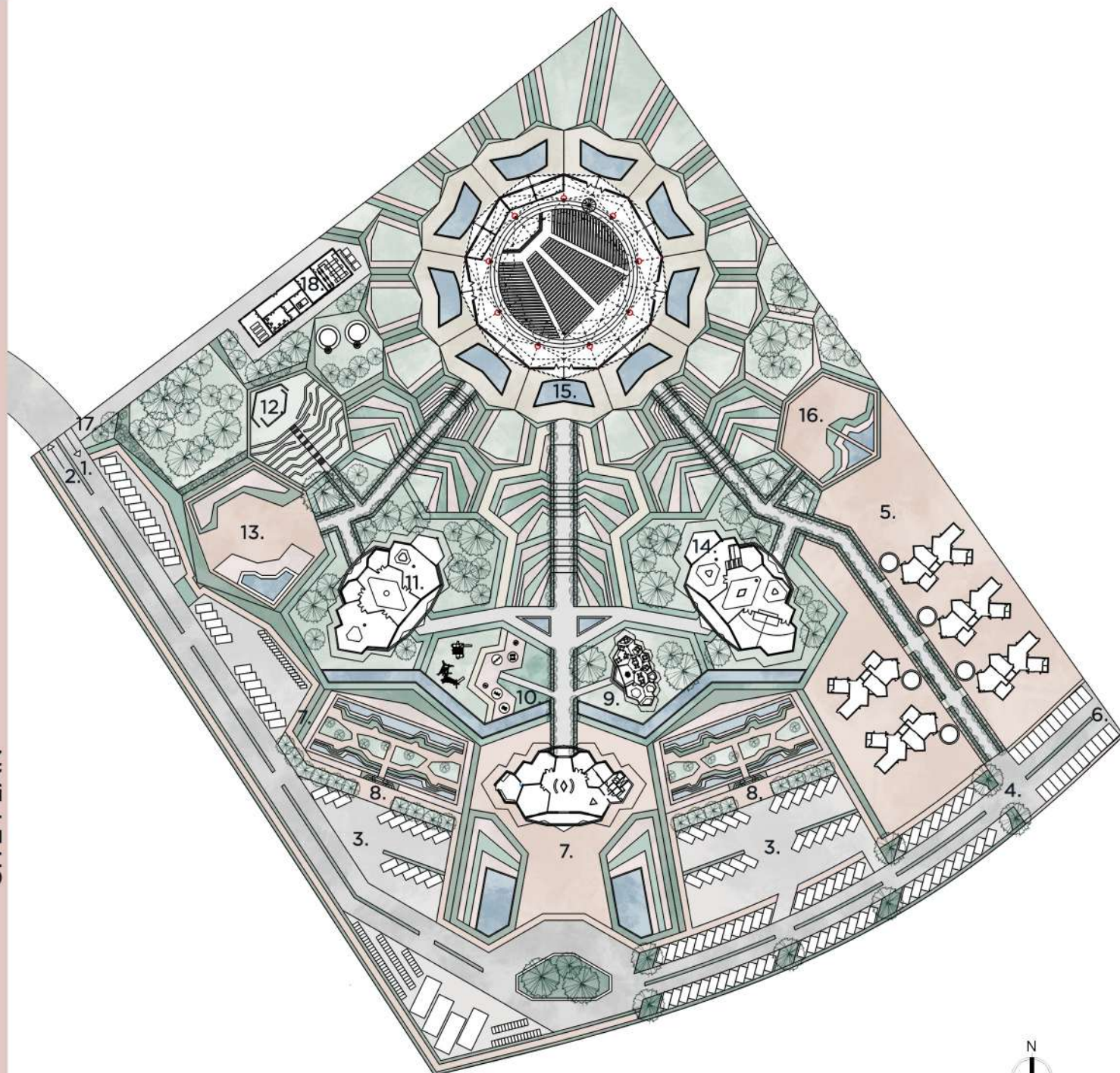
### CLIMATE DIAGRAMS:



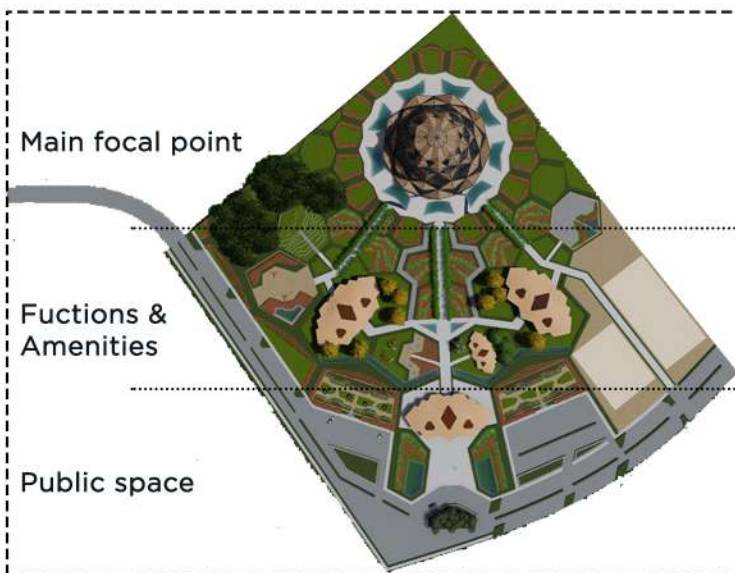
### CONCERNS AND CONCEPT



Site section AA'



0 20 60 100M

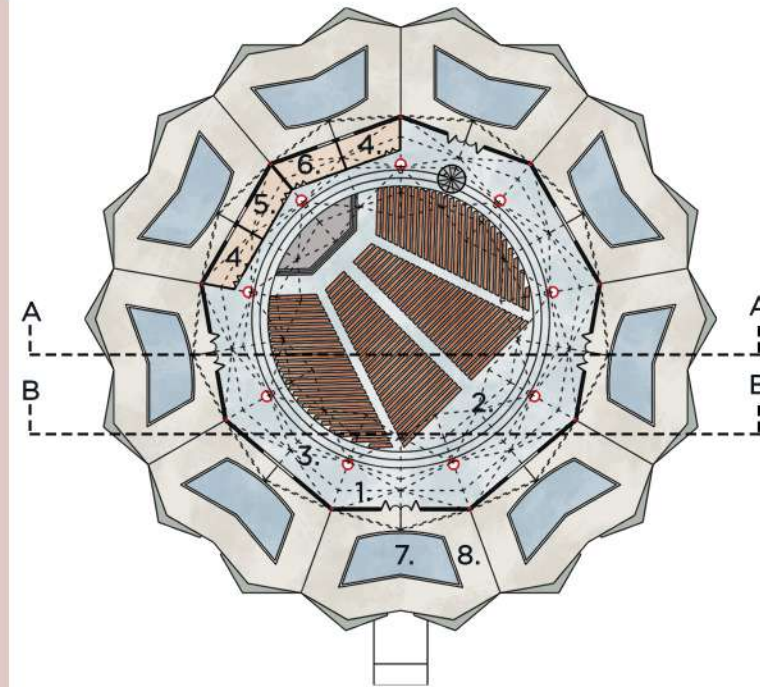


Site distribution

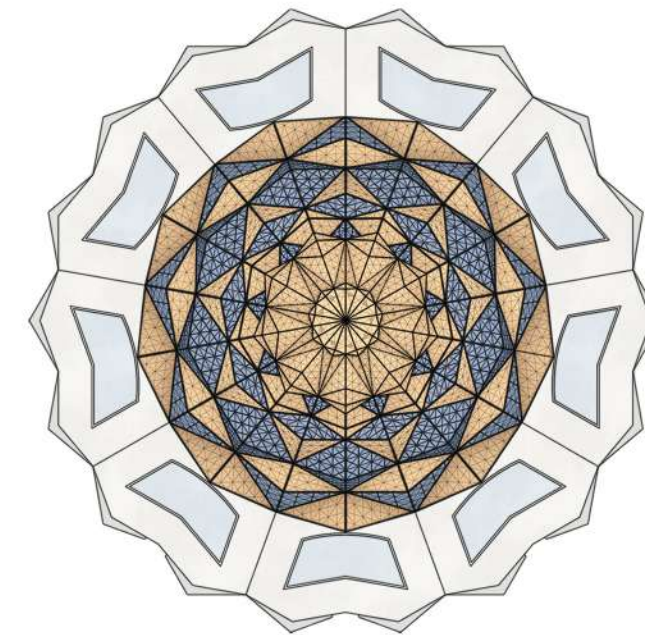
Master plan

**LEGENDS:**

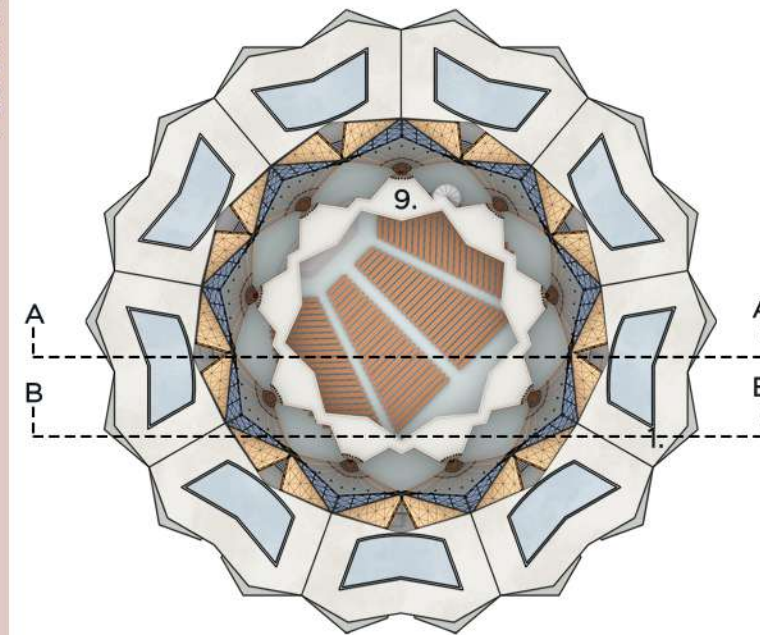
- 1. Main entry
- 2. Main exit
- 3. Parking
- 4. Residential entry & exit
- 5. Residences
- 6. Residence visitor parking
- 7. Entry pavilion
- 8. Sitting area
- 9. Cafe area
- 10. Play area
- 11. Multipurpose & Exhibition
- 12. Amphitheatre
- 13. Recreational area
- 14. Library & Av room & shops
- 15. Temple
- 16. Open reading area
- 17. Service Road
- 18. Service block



Ground floor plan



Roof plan

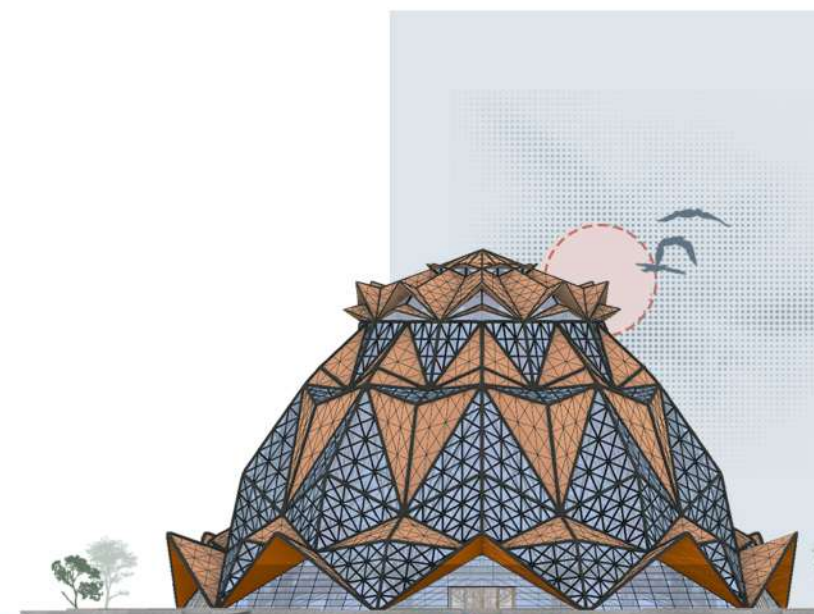


Plan at lvl+4.6m

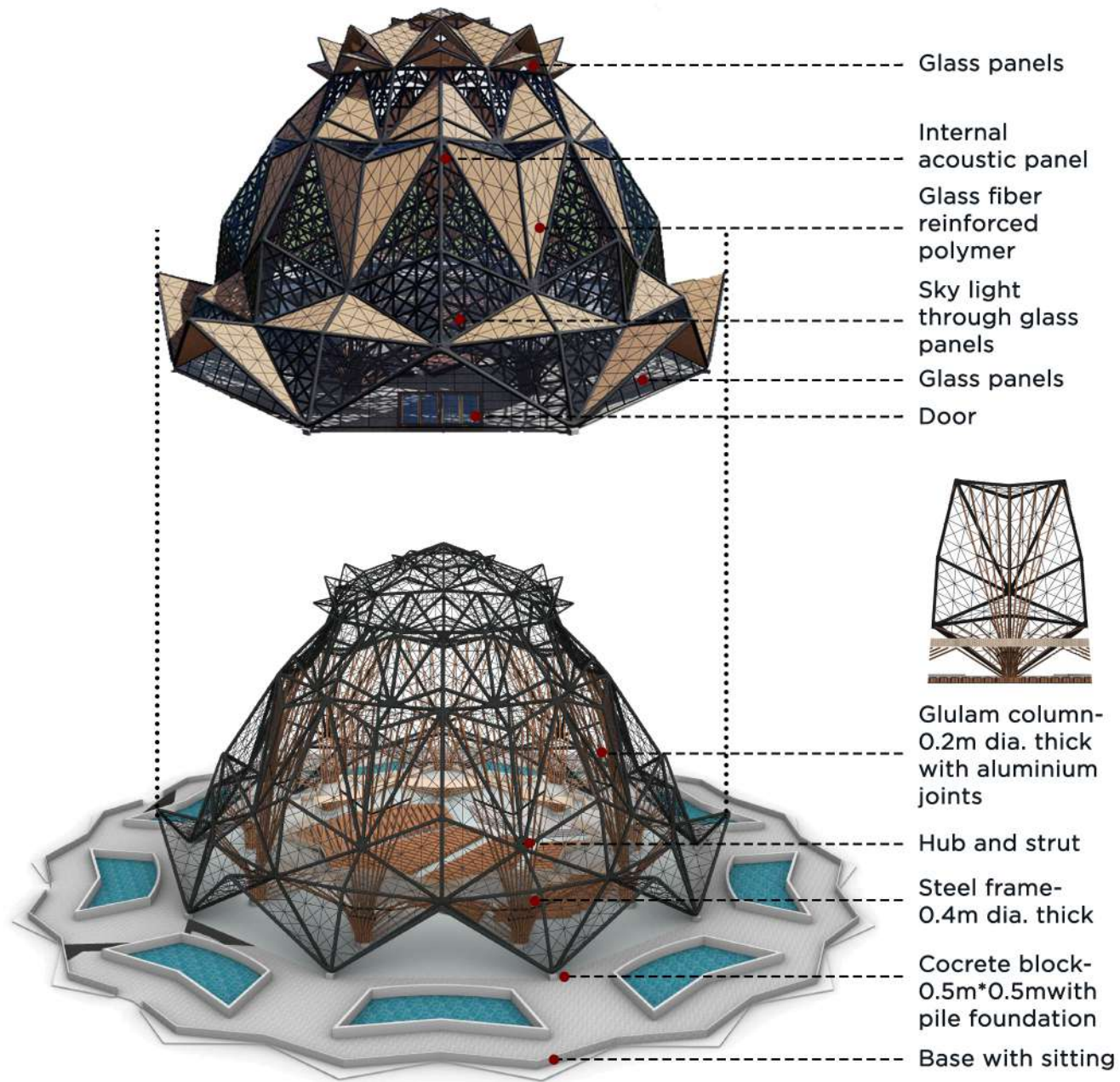


**LEGENDS:**

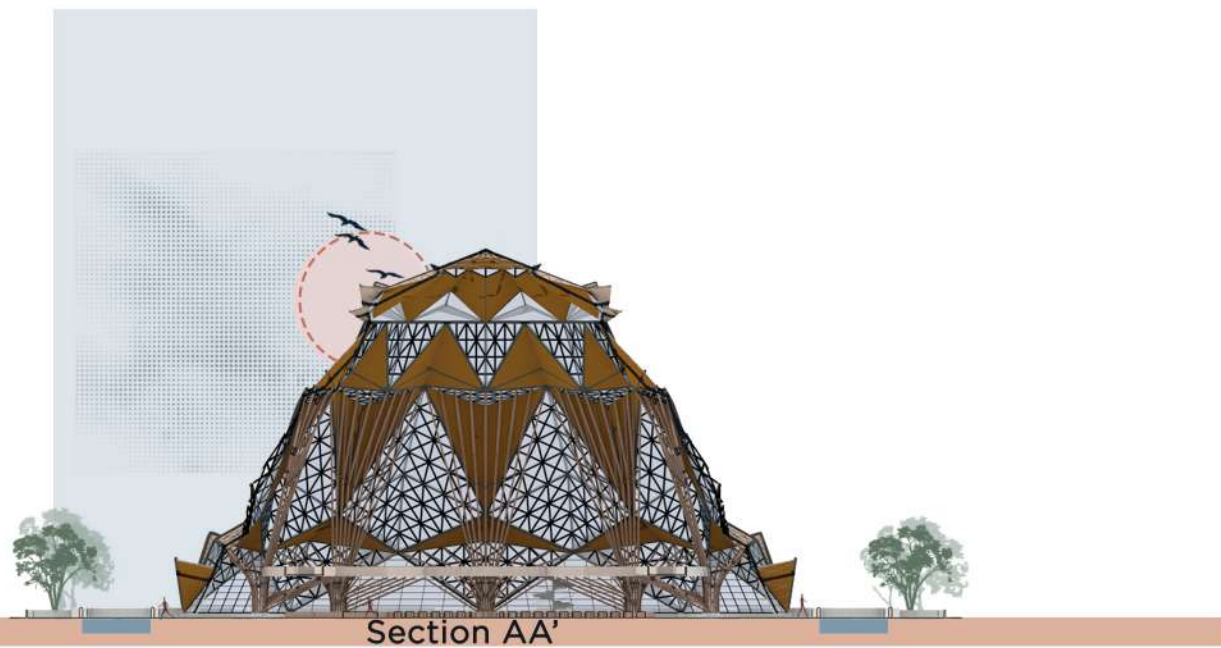
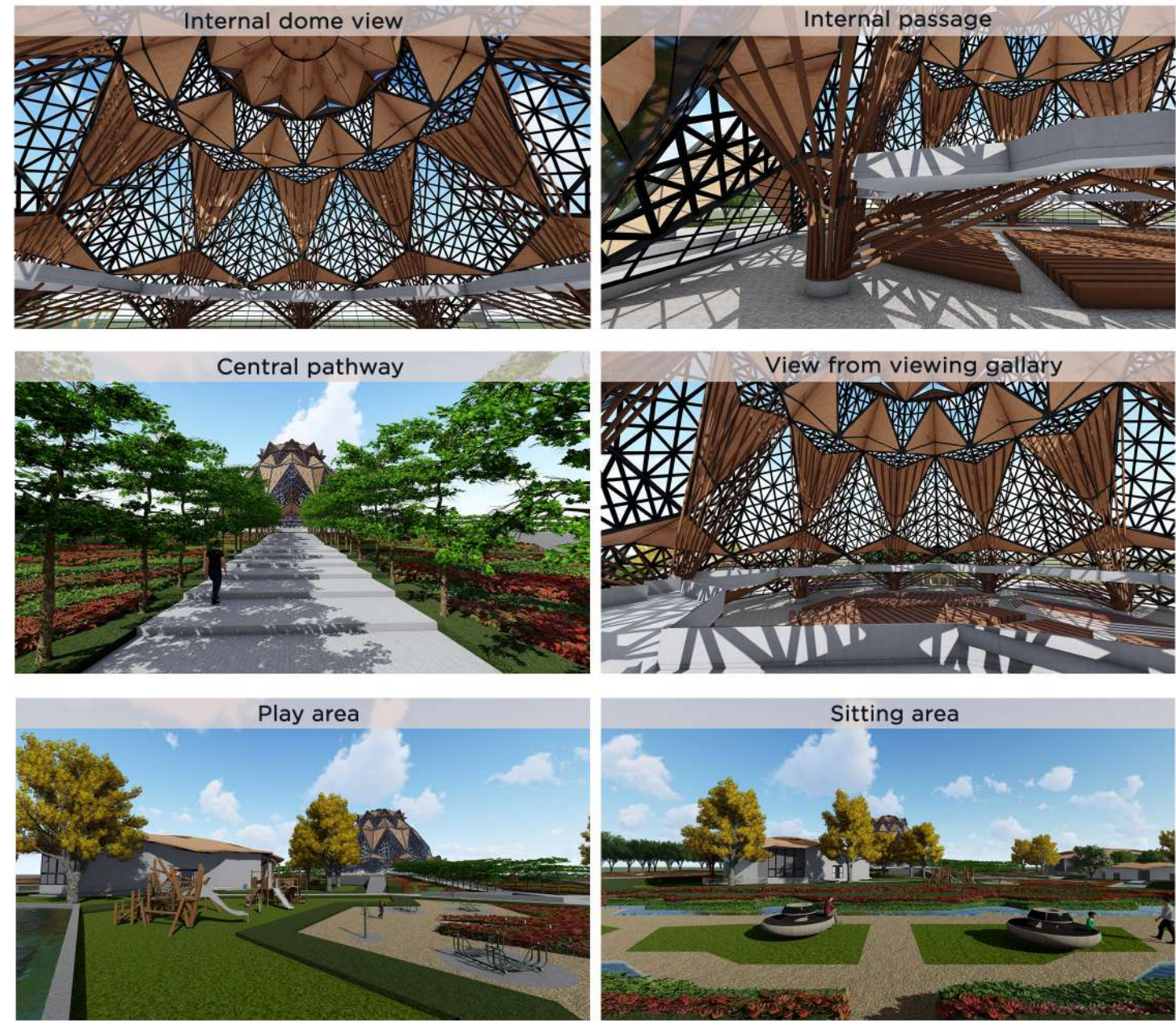
- 1. Entry
- 2. Prayer Hall
- 3. Foyer
- 4. HVAC room
- 5. Pump for fire Sprinkler water
- 6. Store area
- 7. Water body
- 8. Surrounding platform
- 9. Viewing gallery/ meditation area



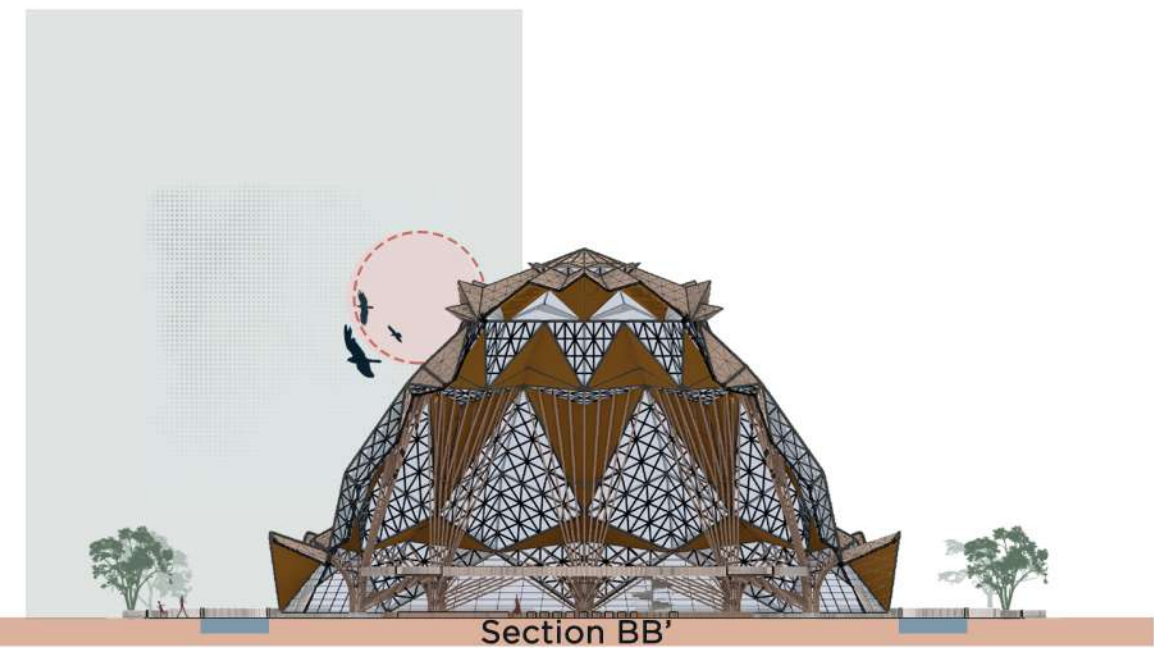
Front elevation



Exploded view- Structure and Material



Section AA'



Section BB'

# 06 HOSPITAL

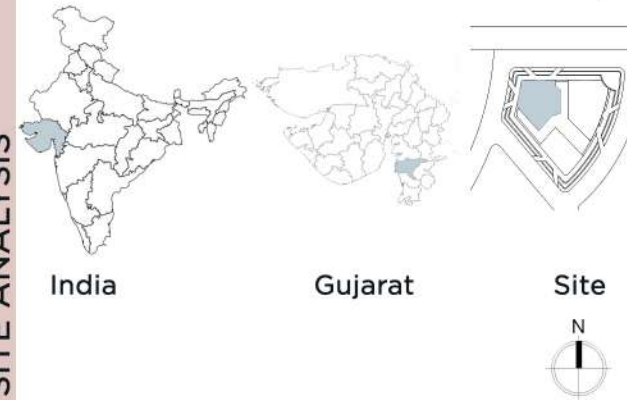
## PROJECT DESCRIPTION:

- The requirements were to design a hospital with emergency department, OPD, ICU, operation departments, general wards and special and semi-special rooms.
- The aim was to create a space where people could heal faster and experience of landscape and nature around them. and also, to get view of gift city from waiting area.
- Project type: Healthcare building
- Area: 4480.85 sqm



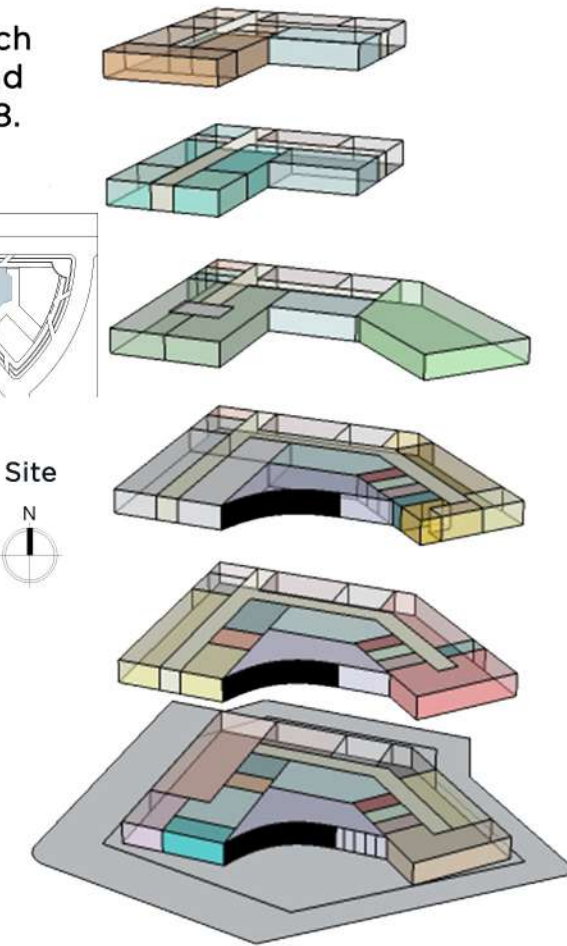
## LOCATION:

- India- gujarat- Gift city
- The site is in The Gift city which is near gandhinagar, Ahmedabad airport and connected with NH8.



SITE ANALYSIS

## ZONING DIAGRAM:



- Cafe area
- Waiting area
- Pharmacy
- Corridor
- Entrance
- Reception
- Admin
- Emergency
- Radiology department
- Toilet
- Mortuary
- Lift, staircase
- Ahu room
- Storage
- Kitchen
- OPD
- Laboratory
- Laundry
- Education
- ICU ward
- Preparation room
- Operation room
- CSSD
- O2 room
- Observation ward
- General ward
- Healing garden
- Semi special room
- Special room
- Presidential room

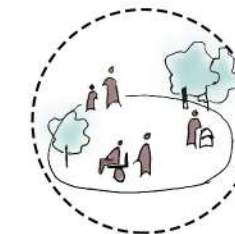
## CLIMATE:

- Tropical wet (humid) climate.

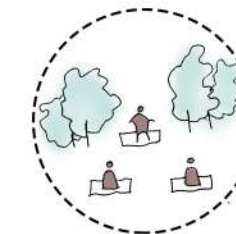
CONCERNS AND CONCEPT



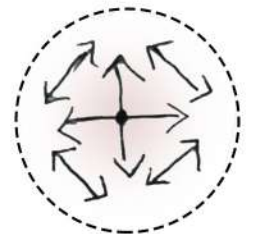
Spaces to relax



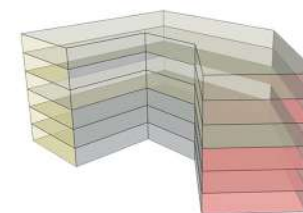
User friendly design



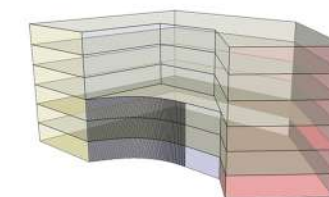
Healing garden



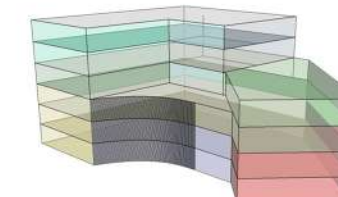
Easy access to all department



Central void created to have welcoming building



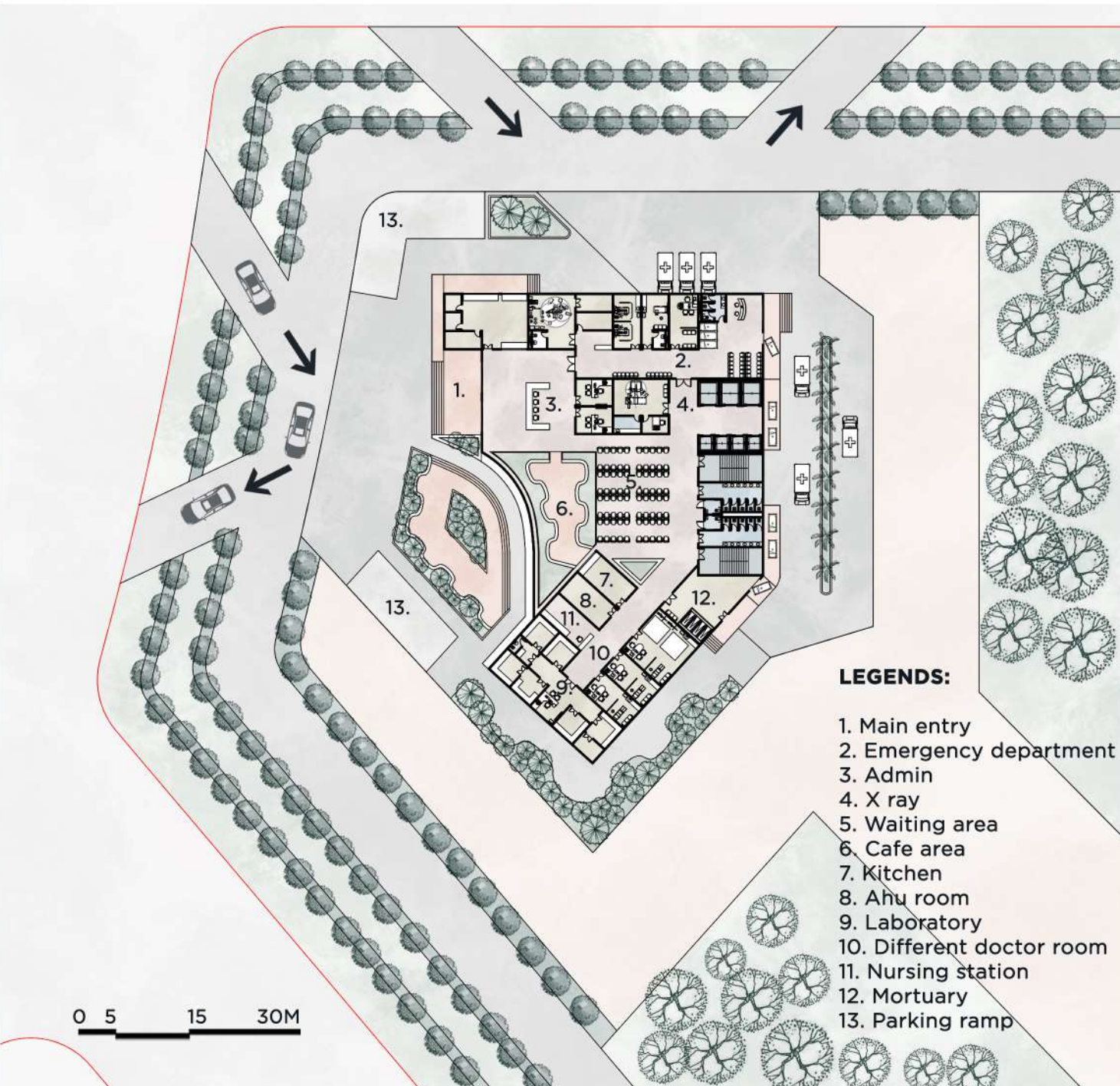
added curved glass facade for connectivity



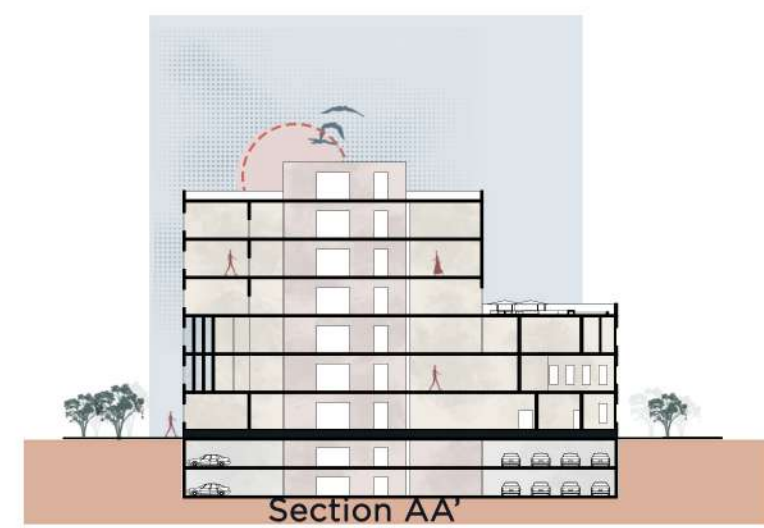
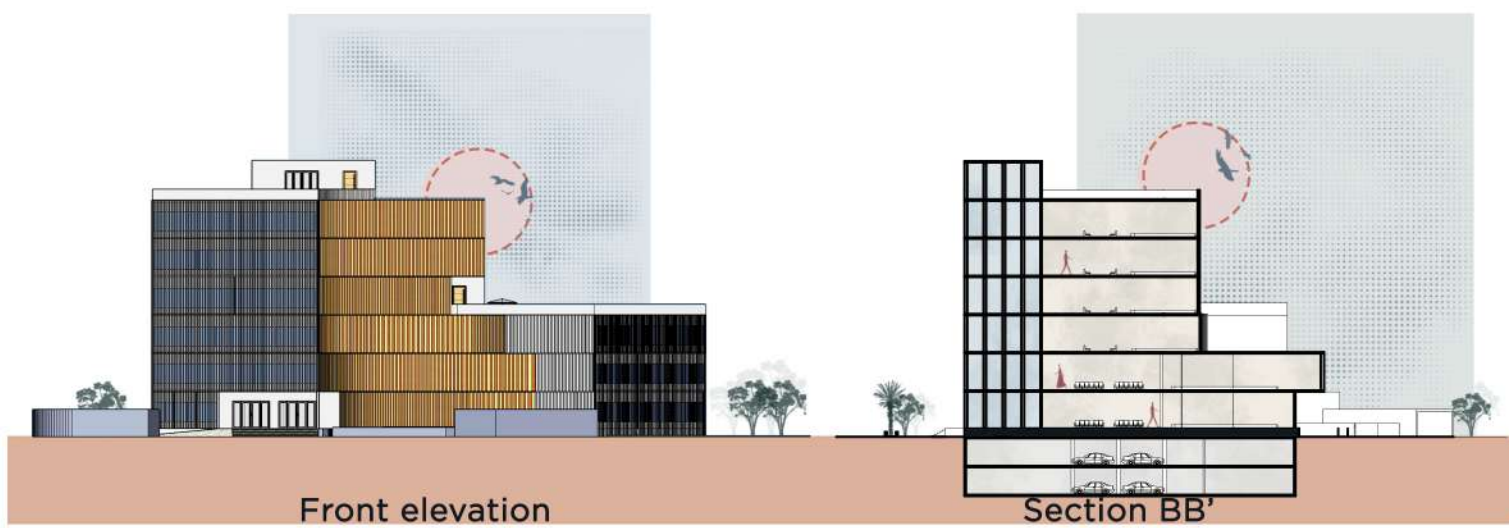
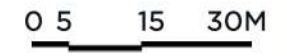
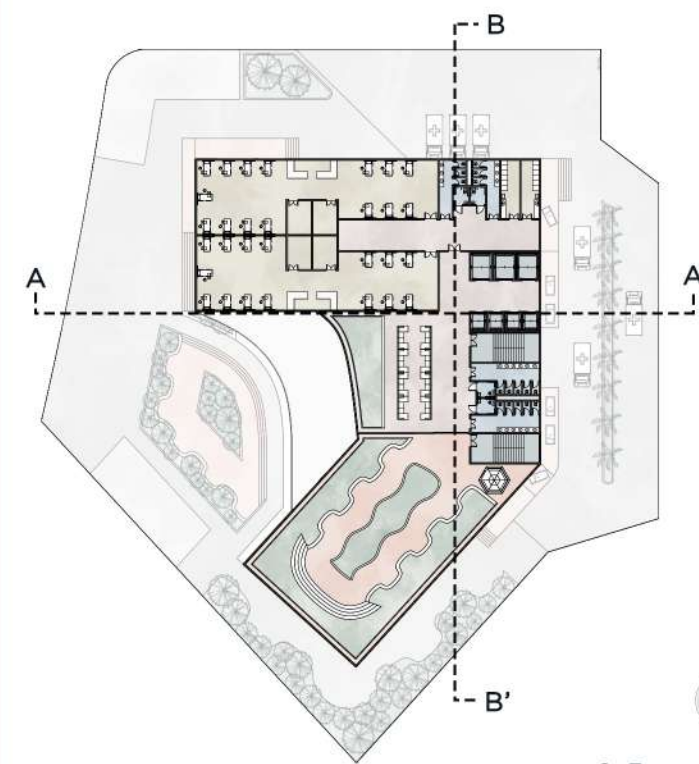
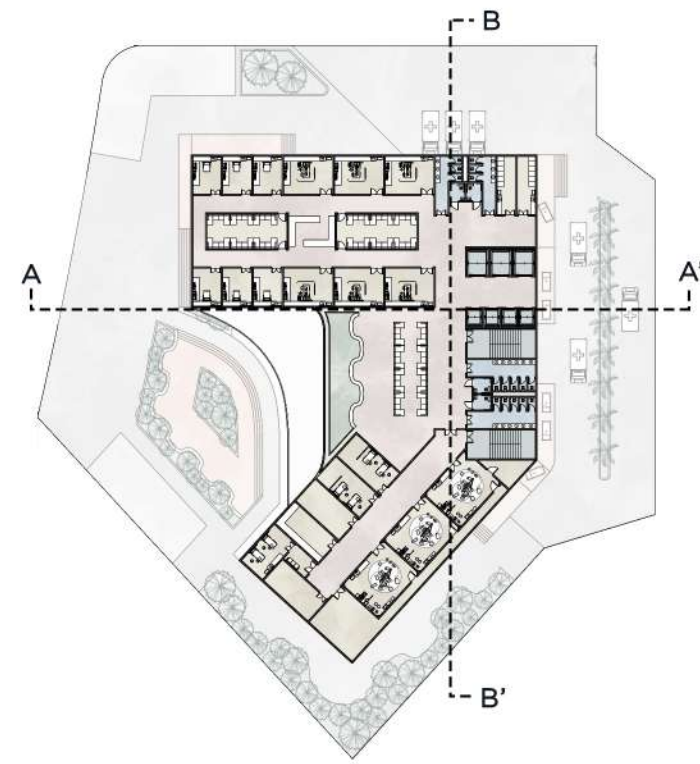
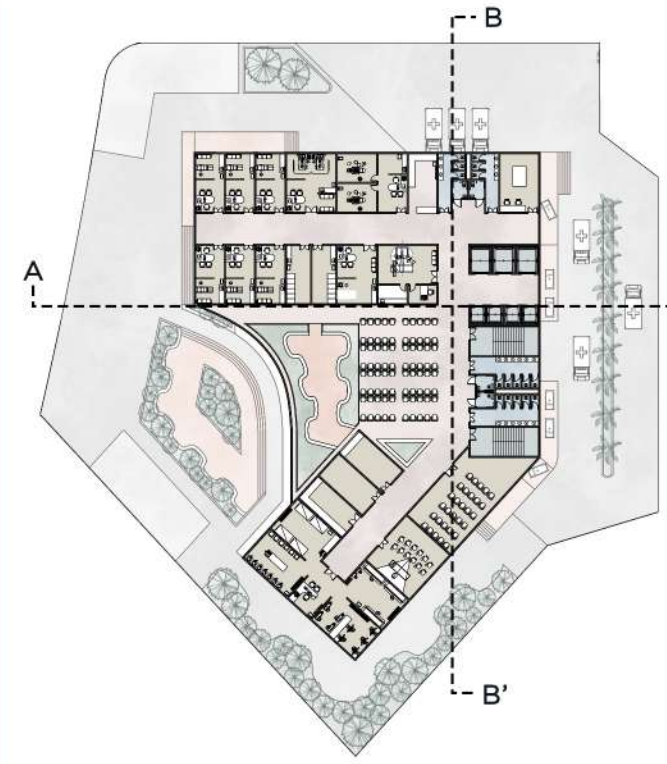
added healing garden connected with wards



Final form



Master plan



# 07 THE CUBE HOUSE

## PROJECT DESCRIPTION:

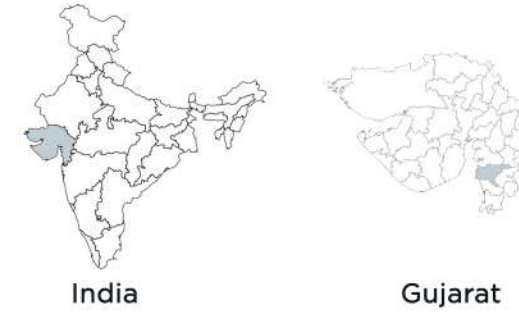
- Surat city in India is experiencing a rapid rate of urbanization. The aim was to study and delineate dwelling types based on the formed framework to comprehend their spatial formation and embody the respective characteristics. The client is an interior designer who wanted to have the office and residence area connected yet have privacy from each other.

- Project type: Residence
- Area: 128.18 sqm



## LOCATION:

- India- gujarat- surat  
- The site is located in Haripura area at moti sheri near Surat railway station. The site is surrounded by residences on 3 sides.



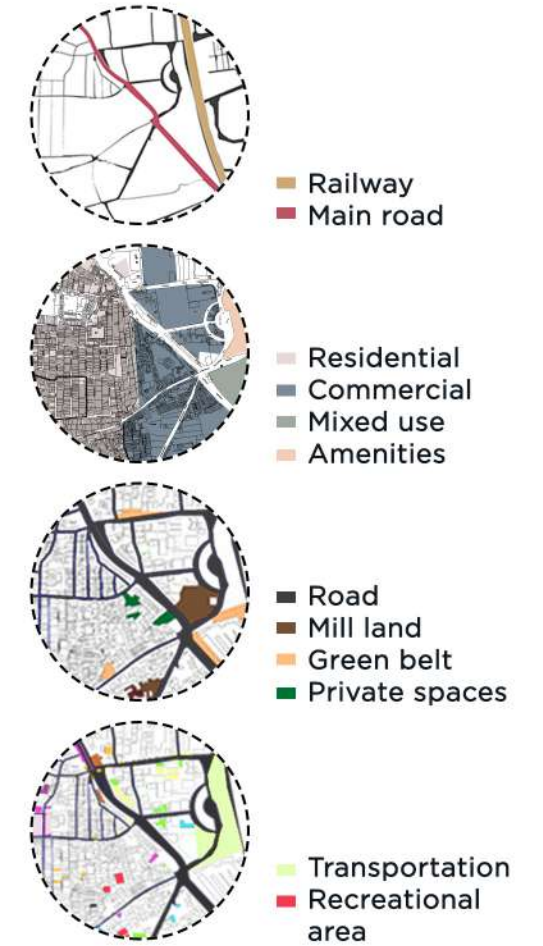
## SITE ANALYSIS

## CLIMATE:

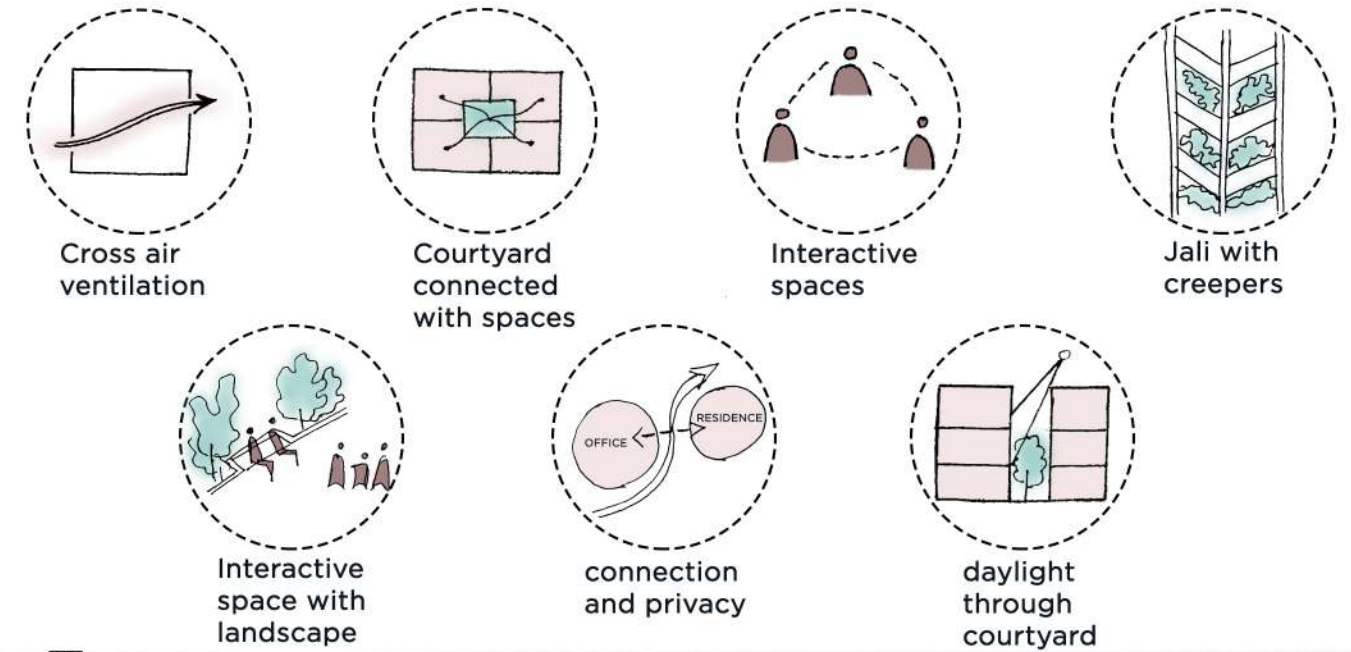
- Tropical wet (humid) climate.



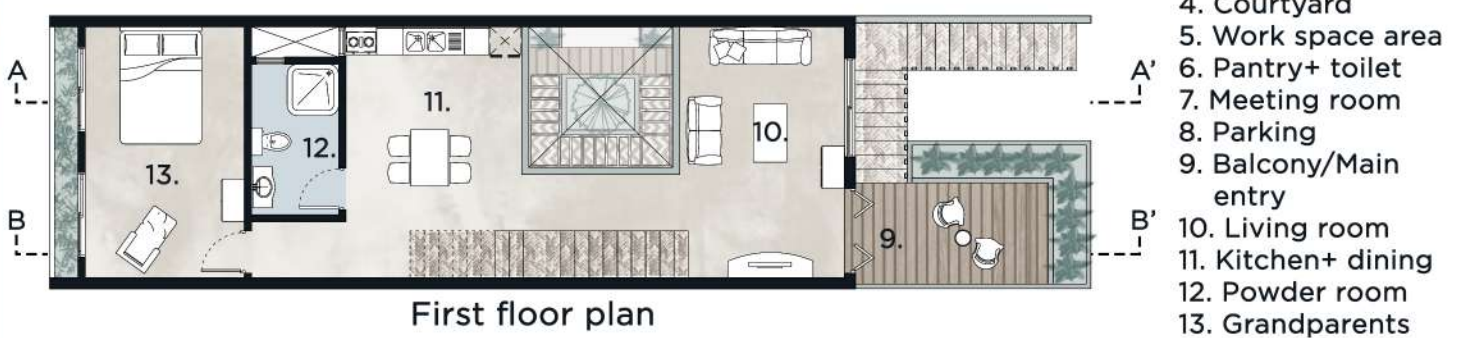
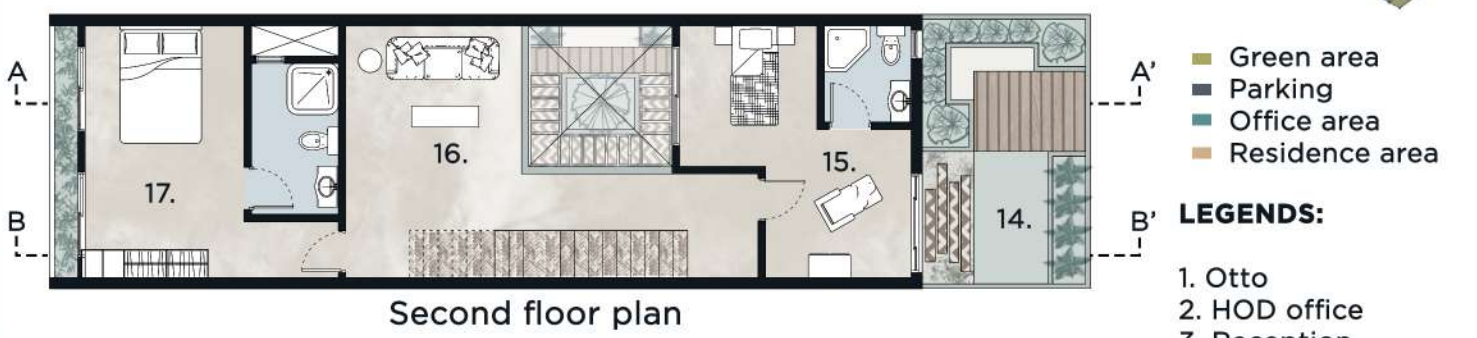
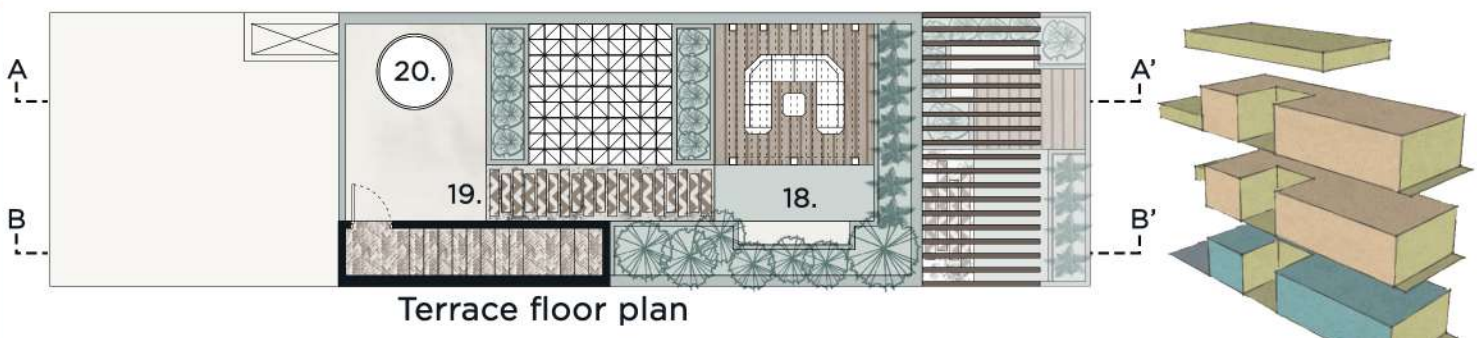
## LAND-USE MAP:



## CONCERNS AND CONCEPT

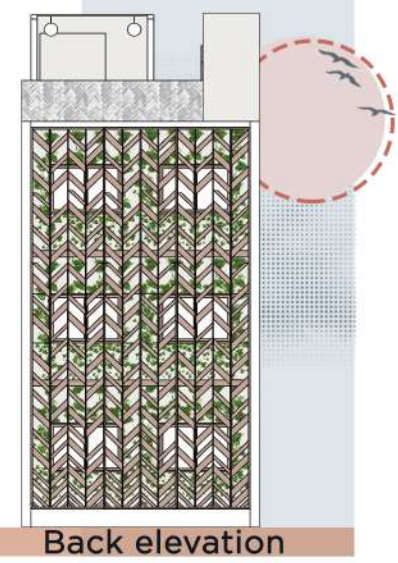
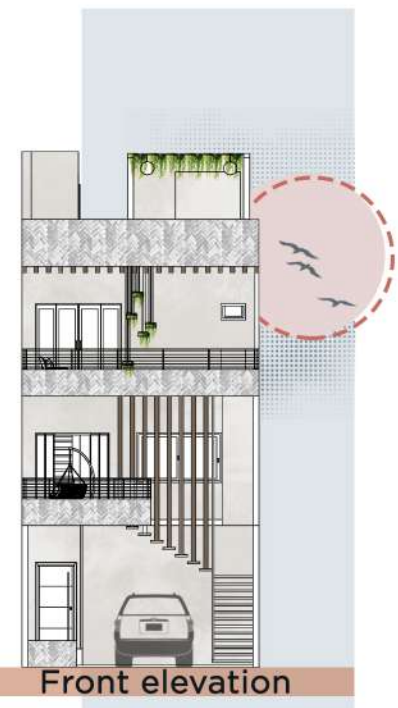


FLOOR PLANS

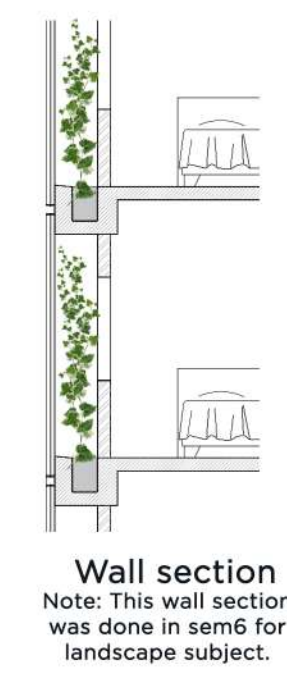


- LEGENDS:**
- Otto
  - HOD office
  - Reception
  - Courtyard
  - Work space area
  - Pantry+ toilet
  - Meeting room
  - Parking
  - Balcony/Main entry
  - Living room
  - Kitchen+ dining
  - Powder room
  - Grandparents room
  - Balcony
  - Children bedroom
  - Informal living
  - Master bedroom + Toilet
  - Wooden deck + sitting

ELEVATIONS



DETAILS



3D VIEWS



Section AA'



Section BB'



# 08

## MIDTOWN MORBI UNDERGRADE INTERNSHIP WORK

### PROJECT DESCRIPTION:

- The project is a commercial complex having 5 floors which is located in centre of Morbi. The building is divided into 3 blocks which is designed in a way that all sides of blocks can have max. frontage and footfall.

- Location: India- Gujarat- Morbi

- Project type: Commercial building

- Area: 115586.89sqft / 10738.37sqm

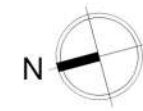


### LEGENDS:

1. Block-A
2. Block-B
3. Block-C
4. Block-D
5. Block-E
6. Block-F
7. Block-G
8. Parking
9. Central green space
10. Internal road
11. Ramp

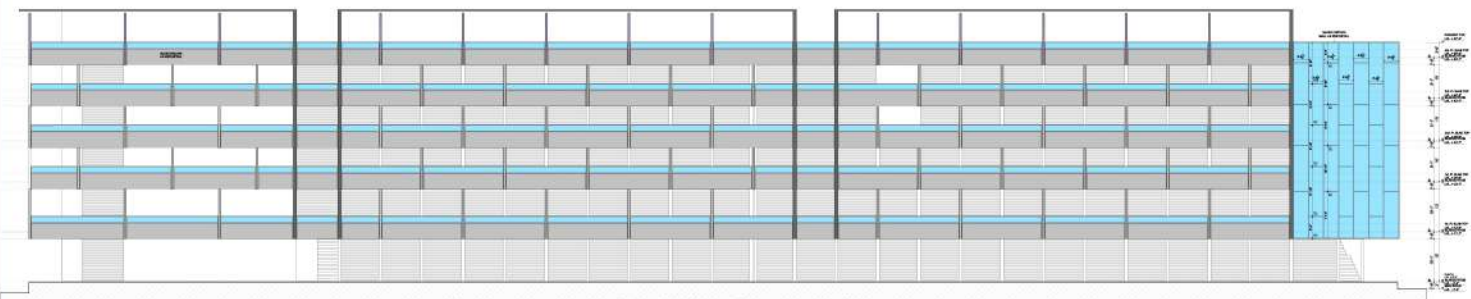
- Road
- Shops
- Parking
- Green space
- Toilet
- Duct
- Passage

SITE PLAN



Midtown Morbi ground floor plan

ELEVATION



Midtown Morbi block AB elevation

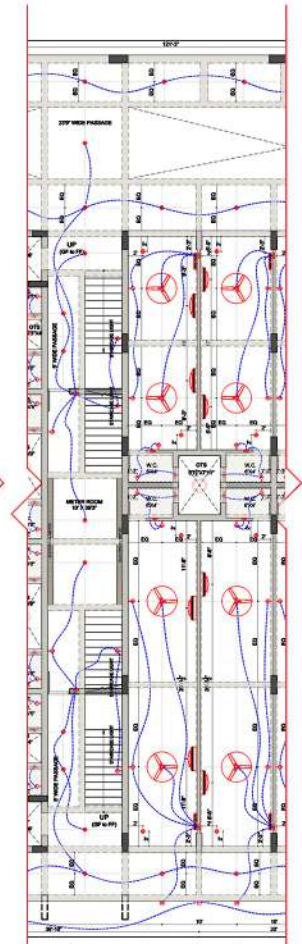


Midtown Morbi front view

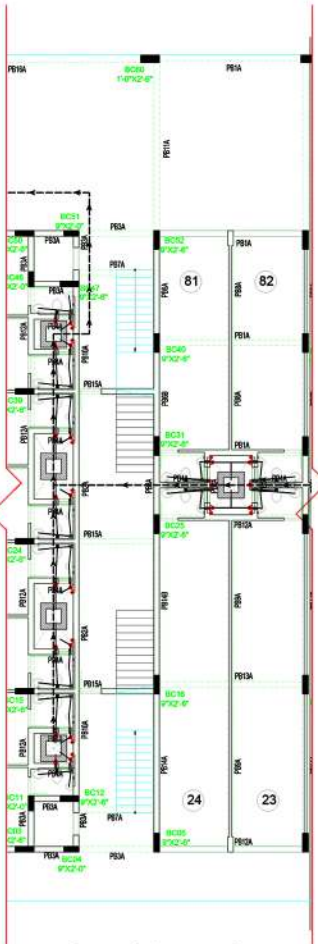
WORKING PLAN



Block B ground floor- working plan

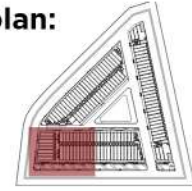


Electrical plan

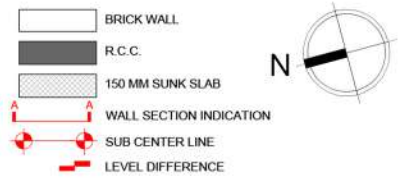


Plumbing plan

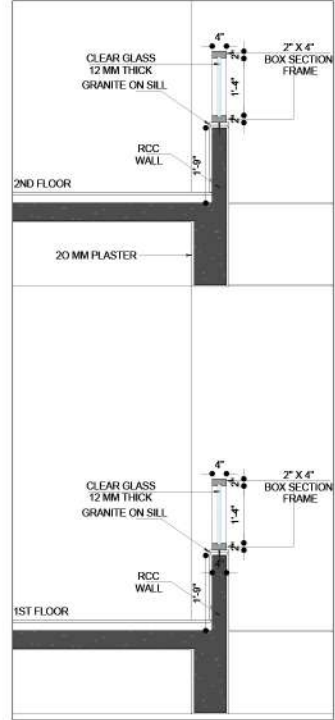
Key plan:



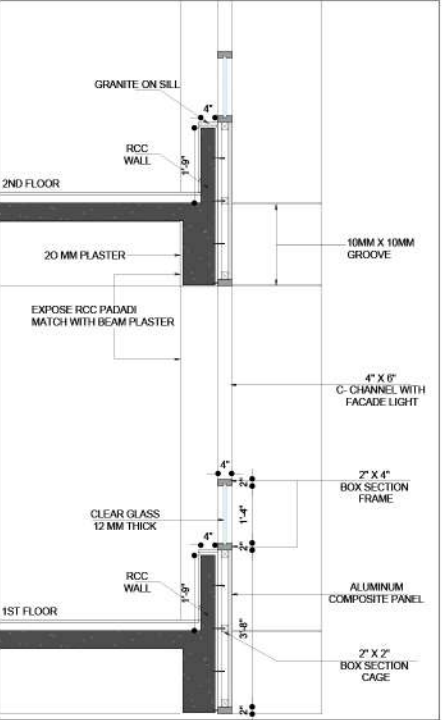
Legends:



SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CP CEILING LIGHT POINT		DB DISTRIBUTION BOARD		WC WATER CLOSET (W.C.)
	BP BRACKET LIGHT POINT		FP CEILING FAN POINT		DRN DRAIN
	SP SIGNAGE LIGHT POINT		FB WITH FAN BOX & HOOK		SWP SOIL WATER PIPE
	FLP FACADE LIGHT POINT		EF WITH PLUG SOCKET		DWS DOMESTIC WATER SUPPLY
	SB SWITCH BOARD		PS POINT CONTROL WIRE (1WAY)		WWD WASTE WATER DOWNTAKE
	6A PLUG POINT WITH 6A SWITCH		SPUT A.C. WITH ELECTRICAL JUNCTION BOX		DWD DOMESTIC WATER DOWNTAKE
	6/16A PLUG POINT WITH 16A SWITCH		SPUT A.C. WITH ELECTRICAL JUNCTION BOX		2" x 2" DRAIN CONDENSER PIPE
	CP CEILING LIGHT POINT		SPUT A.C. WITH ELECTRICAL JUNCTION BOX		CV CONTROL VALVE
	CP CEILING LIGHT POINT		SPUT A.C. WITH ELECTRICAL JUNCTION BOX		WT WASH TRAP
	CP CEILING LIGHT POINT		SPUT A.C. WITH ELECTRICAL JUNCTION BOX		WB WASH BASIN



Glass railing detail



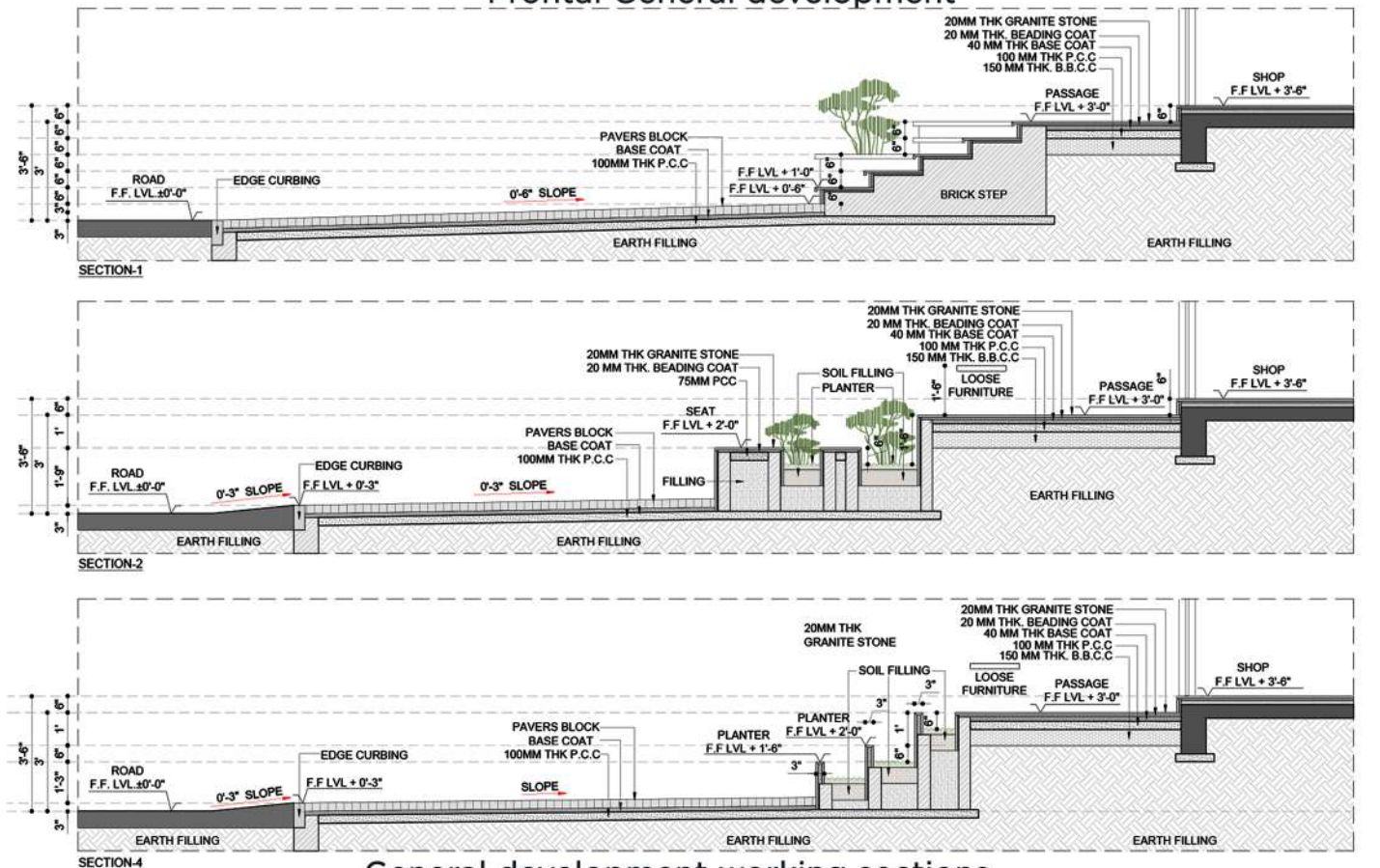
Signage board detail



3D VIEWS

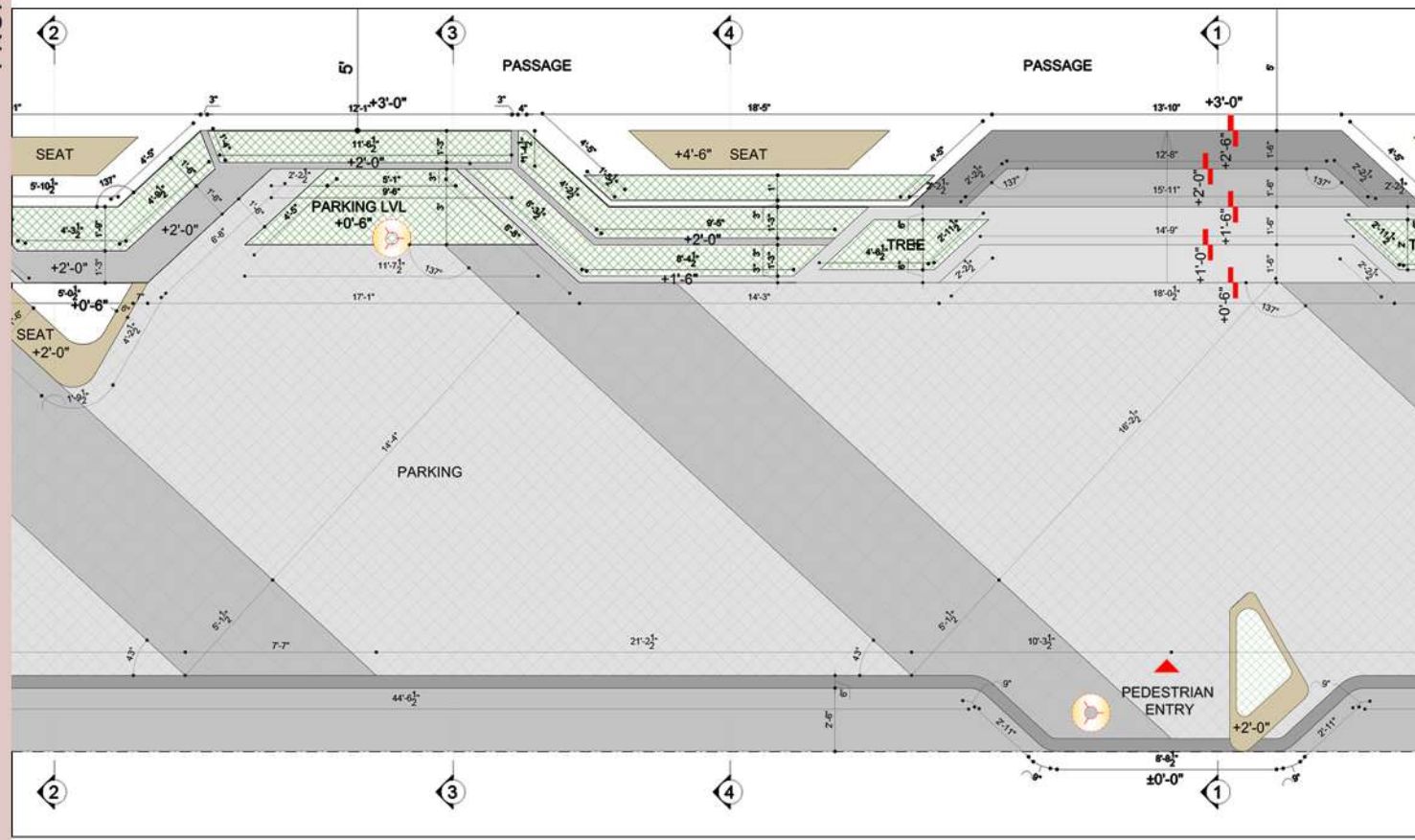


Frontal General development



General development working sections

FRONTAL GENERAL DEVELOPMENT DETAILS

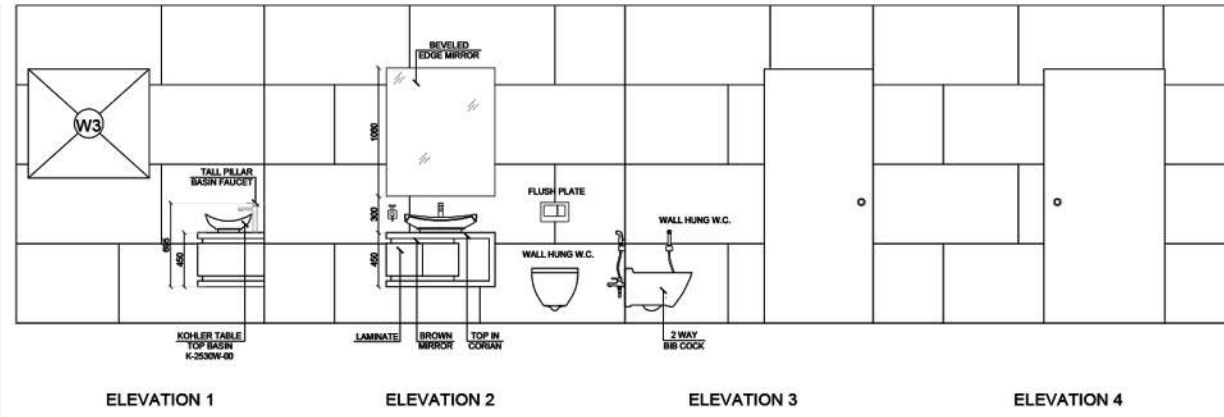
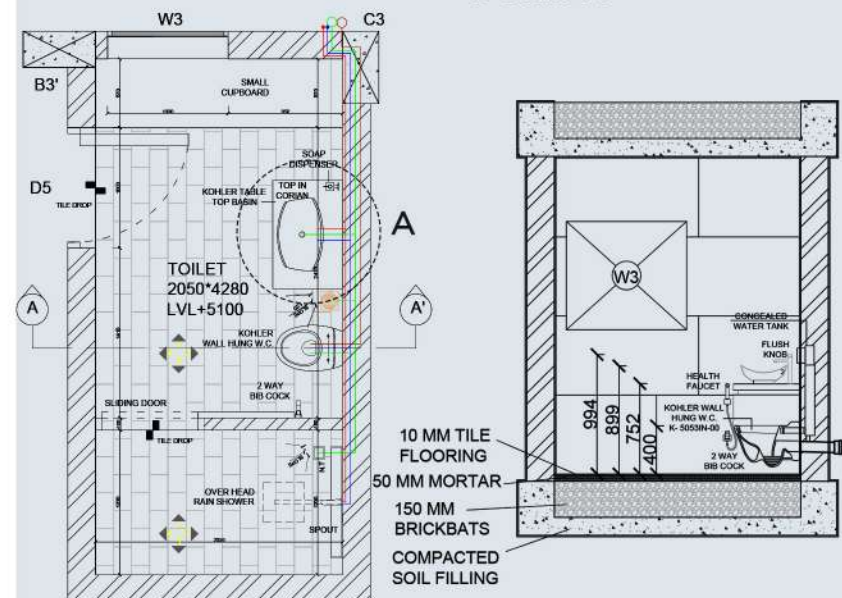
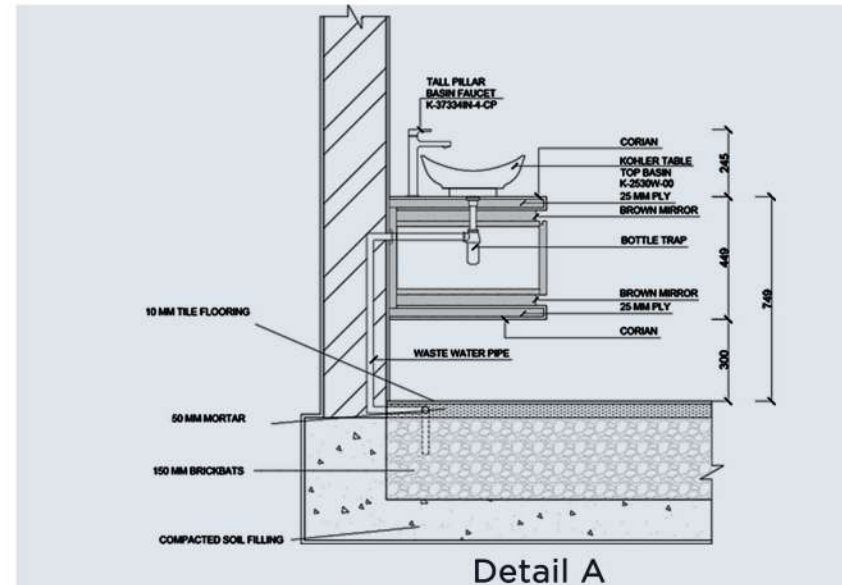
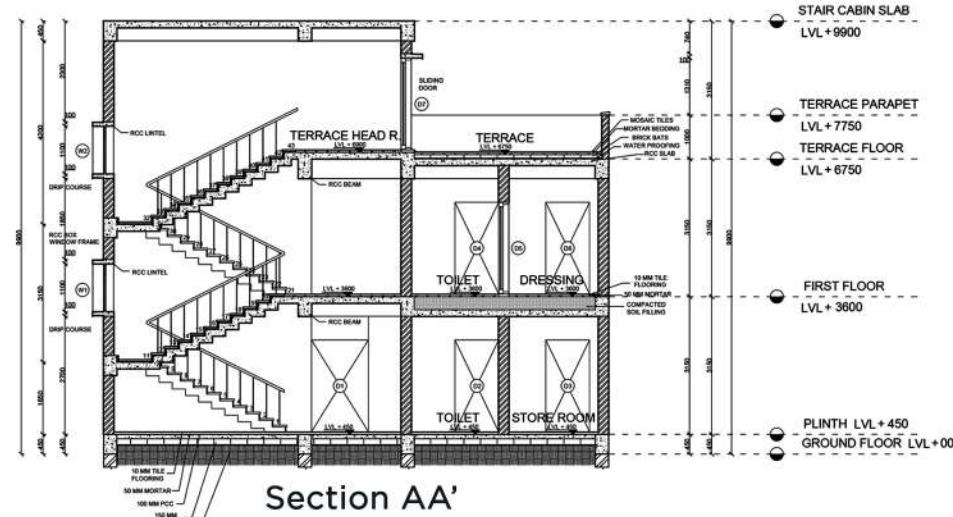


General development working plan

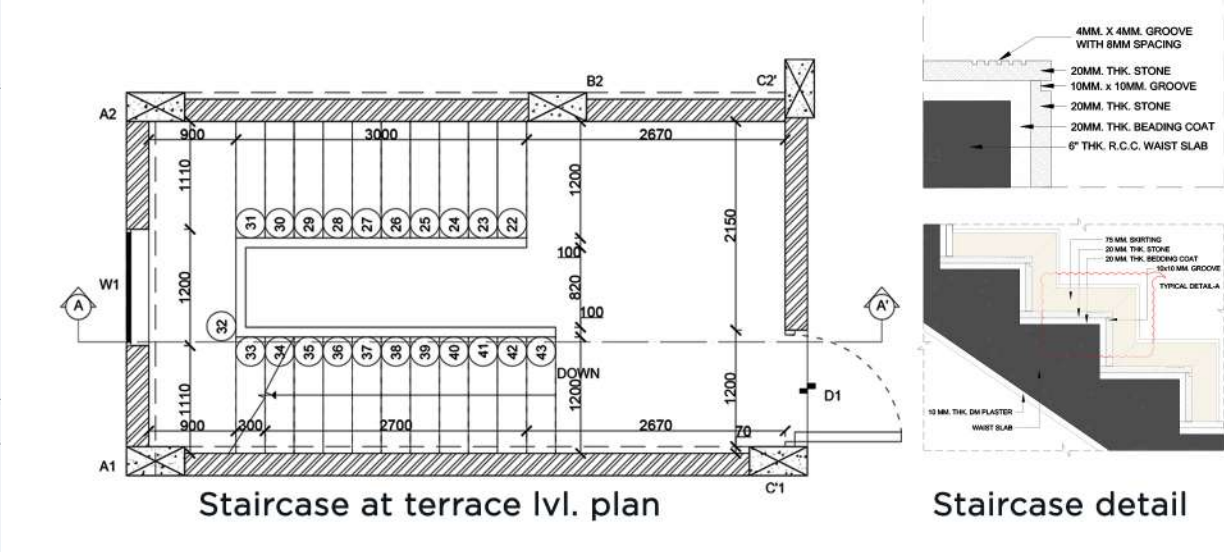
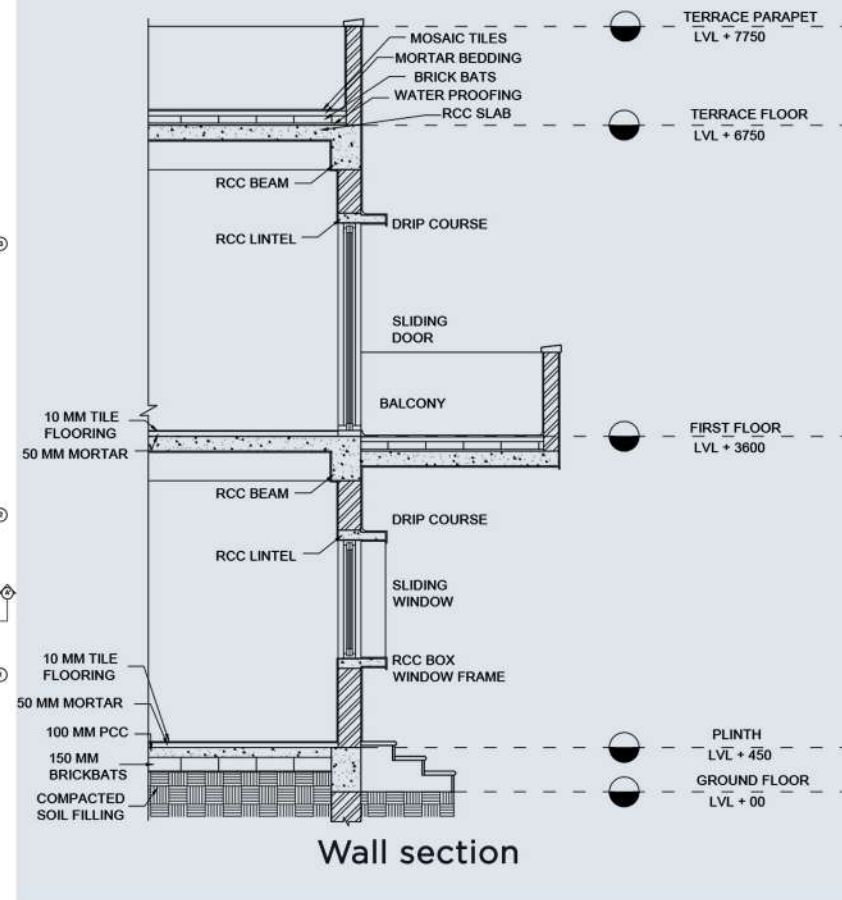
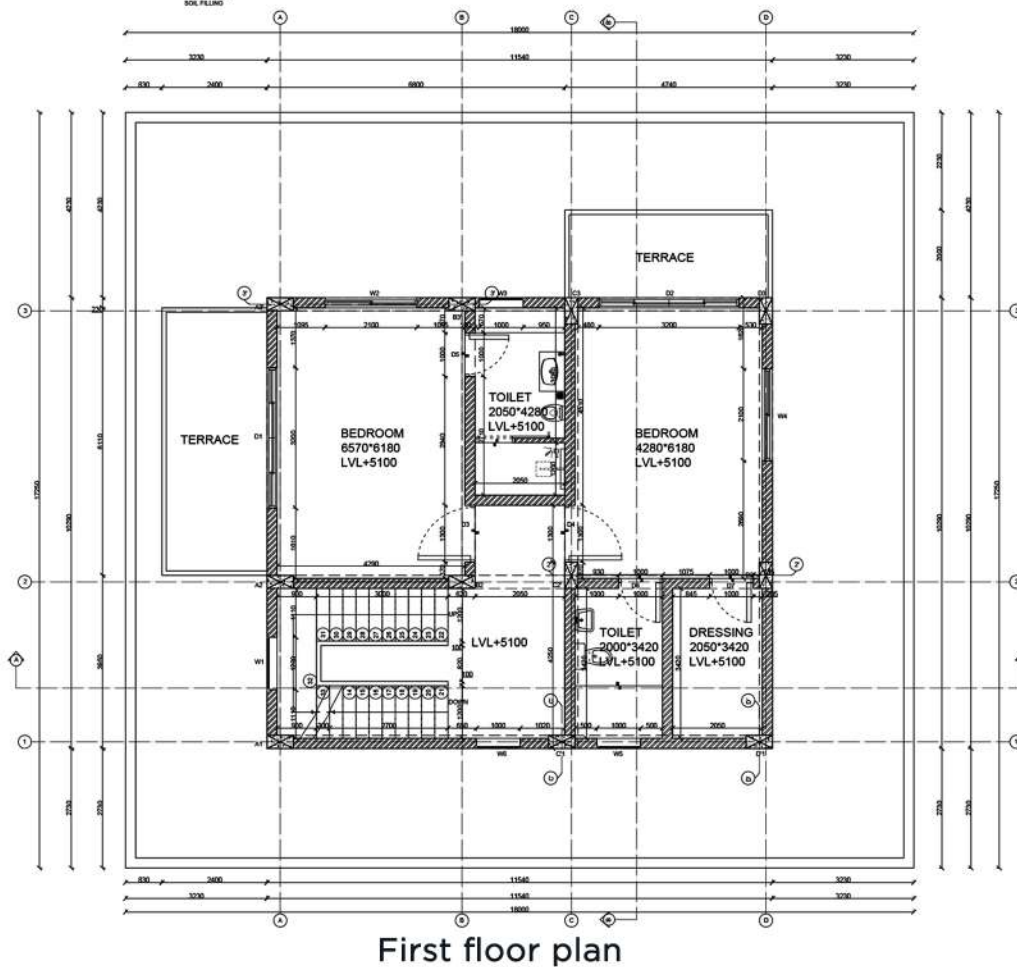
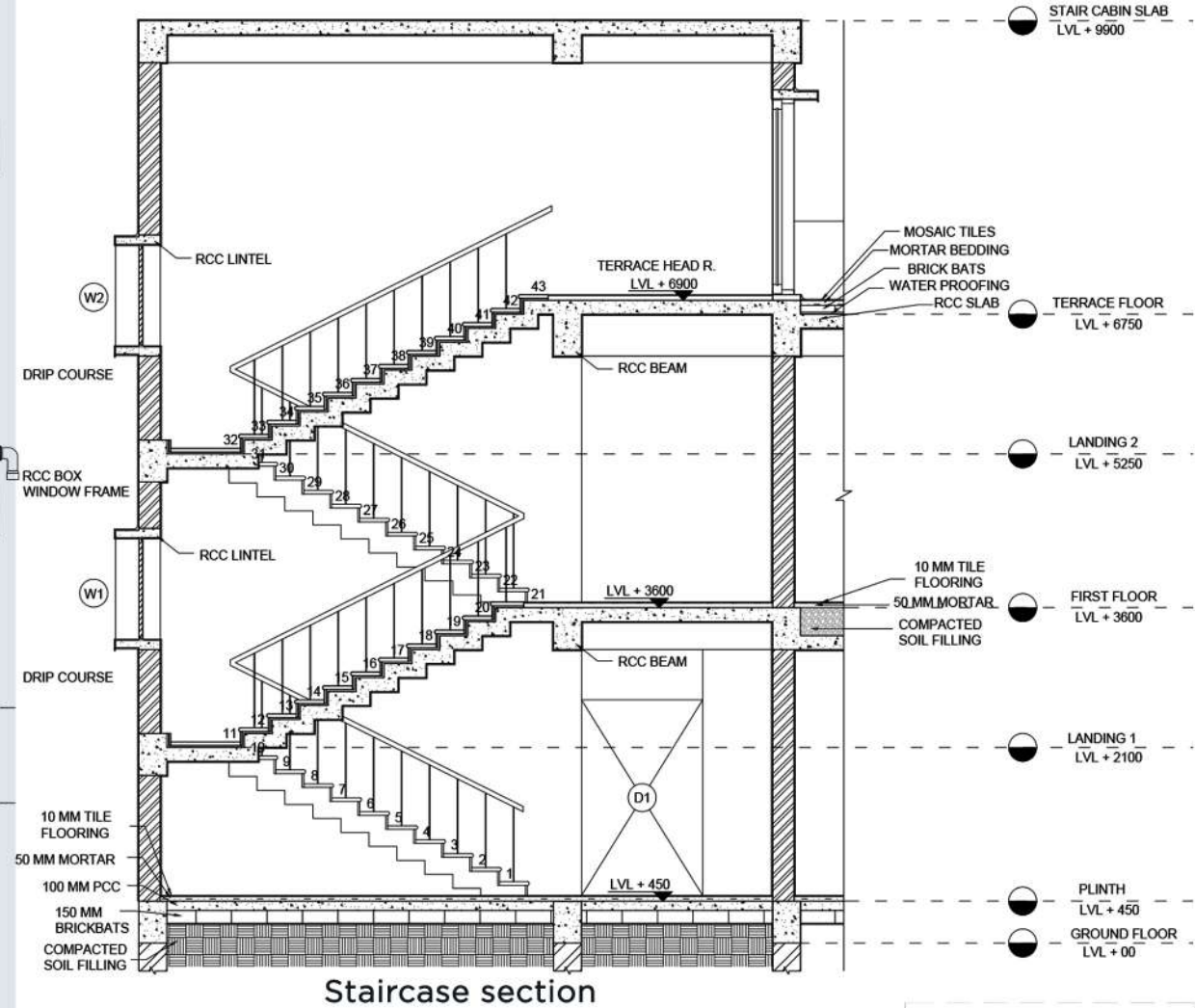
# 09 WORKING DRAWING

## PROJECT DESCRIPTION:

- The brief was to draft whole working set of drawing for a residence including floor plans, sections, elevations, centreline and demarcation. and also, to draft toilet drawings and openings with certain type of material and construction method according to climate and context.



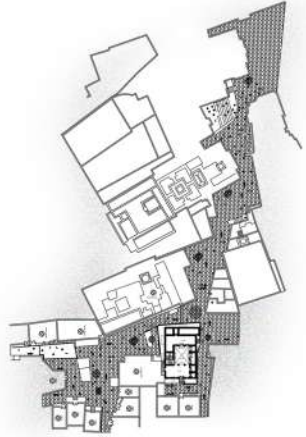
Folded elevation



### RAJPUROHIT'S HAVELI

### LOCATION:

- Jaisalmer is a princely state in the western Indian state of Rajasthan, in the heart of The Thar Desert known as the "Golden City". Dominating the skyline is Jaisalmer Fort. Behind its massive walls stand the ornate Maharaja's Palace and intricately carved Jain Temples.



### ACTIVITIES:



### ANALYSIS:

The streets have developed such that they are narrow and thus remain shaded

The streets are oriented in East- West direction, to avoid the harsh sunlight.

The Laxminarayan temple, Shiv temple and commercial shops act as public spaces.

The chowk, which is an extension of the temple, acts as a focal point for interaction in the mornings and evenings.

The courtyard in the house, acts as a social space as well as aids the house being cool.

Rajpurohit's haveli



Hanuman temple



Shiv temple



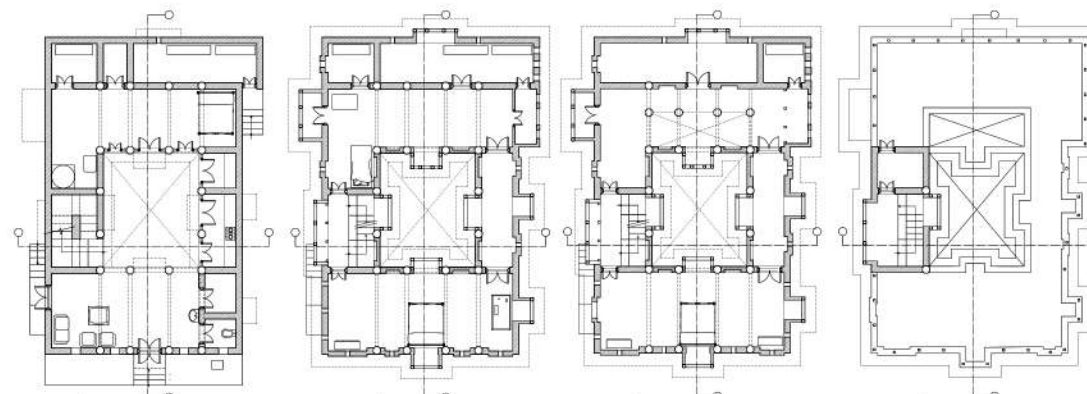
Entrance gate



Rani ka mahal



Jaisalmer fort

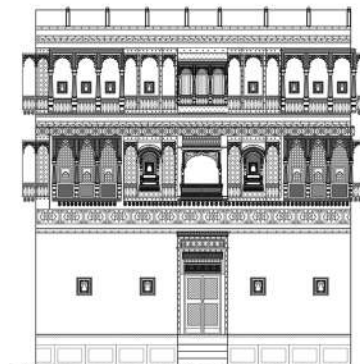


Plan at lvl+1900mm

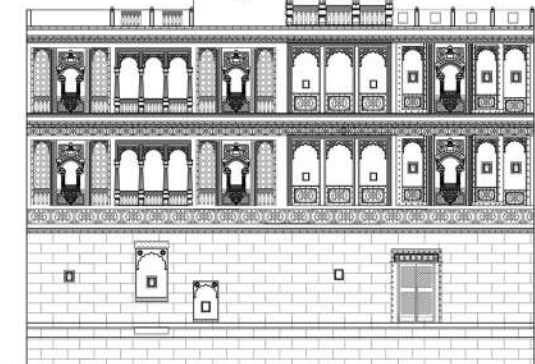
Plan at lvl+3100m

Plan at lvl+4300mm

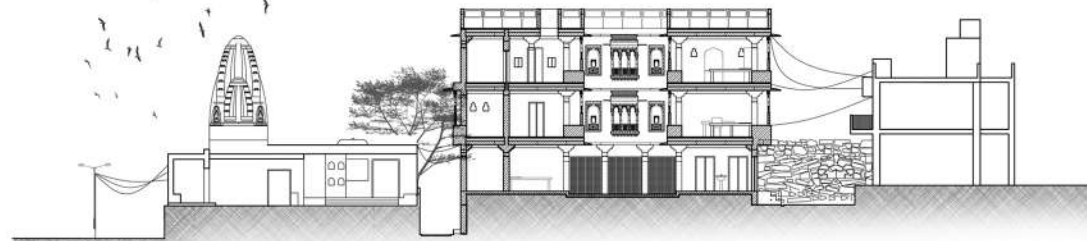
Plan at lvl+8700m



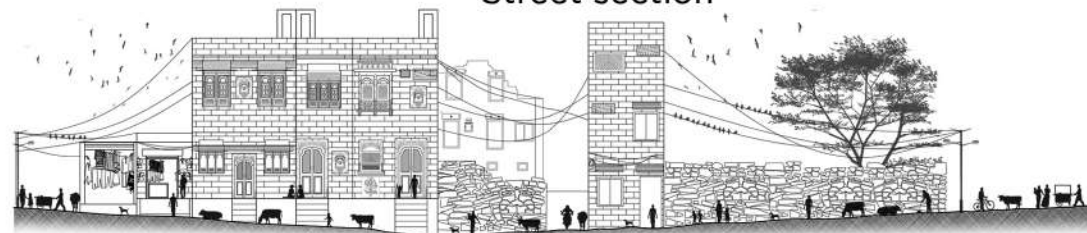
West elevation



North elevation



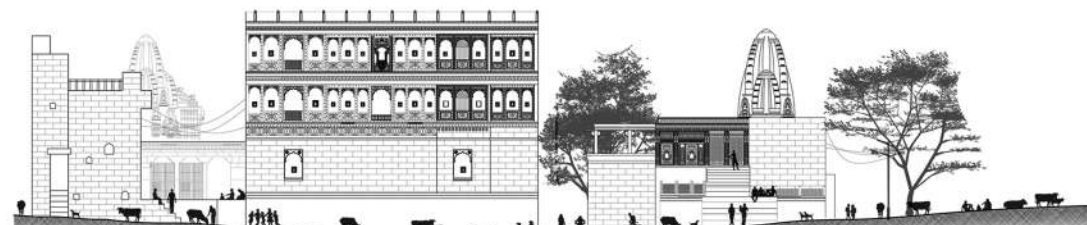
Street section



Street elevation



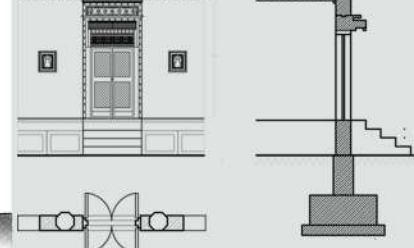
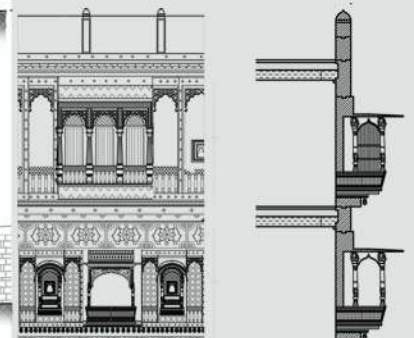
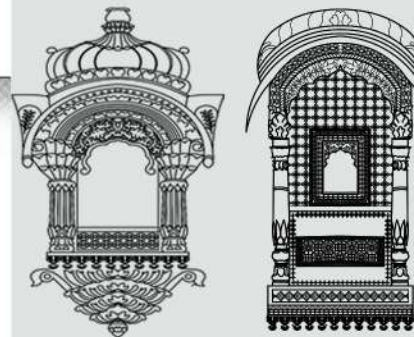
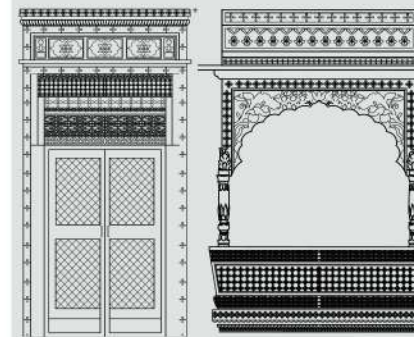
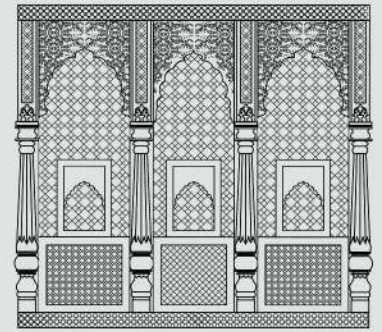
Street elevation



Street elevation

### DETAILS:

- the jharokhas with jaalis, the jaali doors in kitchen, etc. The jharokhas over-looking the centrally located courtyard draw cool air into the residence and also add to the aesthetics of the house.

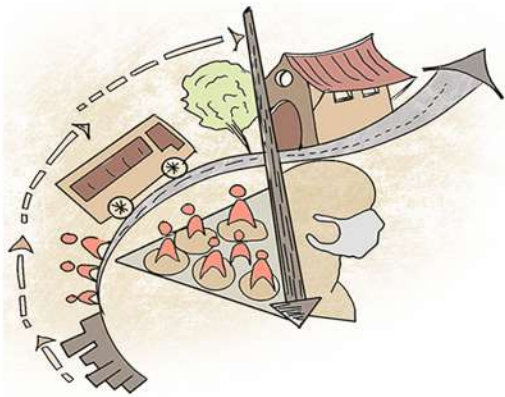


Wall section

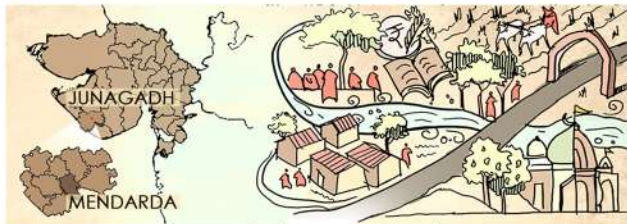
# 11

## ANDC TROPHY GROUPWORK OF 10 63RD NASA COMPETITION

**HYPOTHESIS:**  
- A region flourishes as a result of dynamism of human resources. hence to effectuate the human movement a transit system is developed bridging the gap between a city and village.



### SITE LOCATION AND INTRODUCTION:

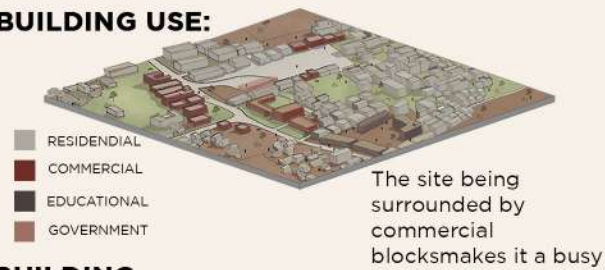


Mendarda village (21.32°n,70.32°e) lies on the banks of river madhuvanti, in the saurashtra region of gujarat. The village is known as a major gateway to the sasan girforests.

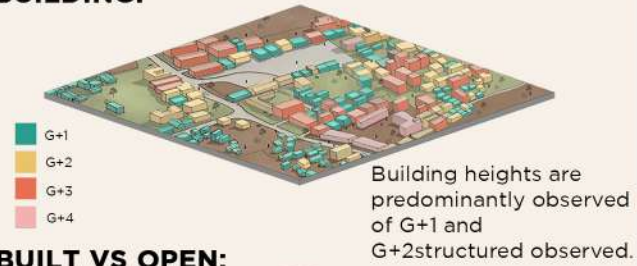


VILLAGE SCENARIO

### BUILDING USE:



### BUILDING:



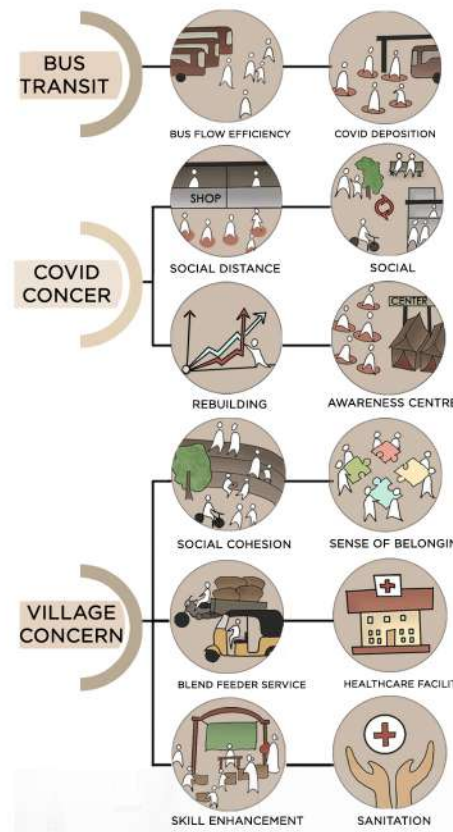
### BUILT VS OPEN:



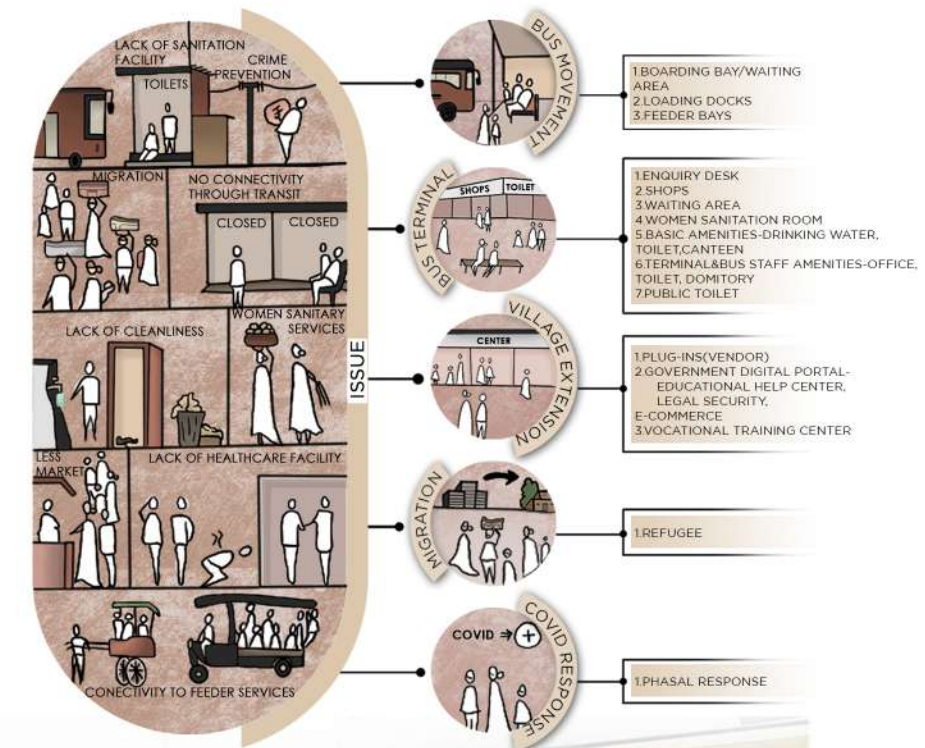
### SITE JUSTIFICATION:



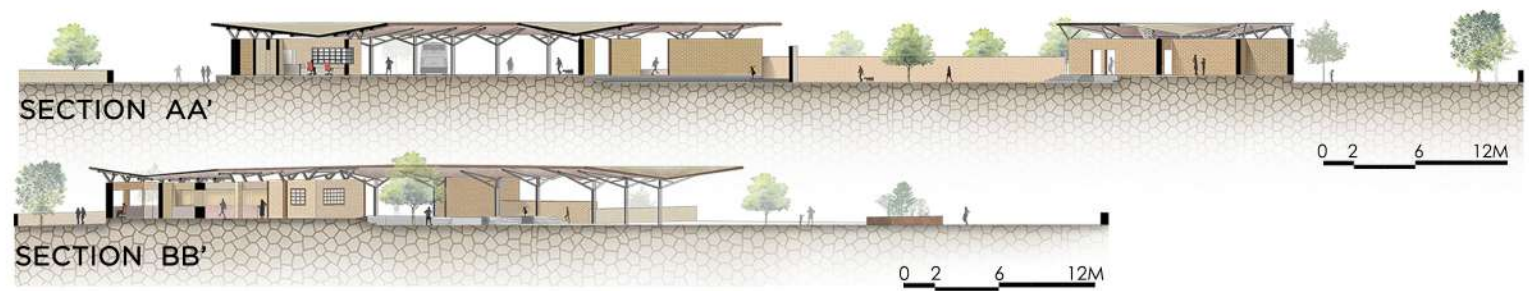
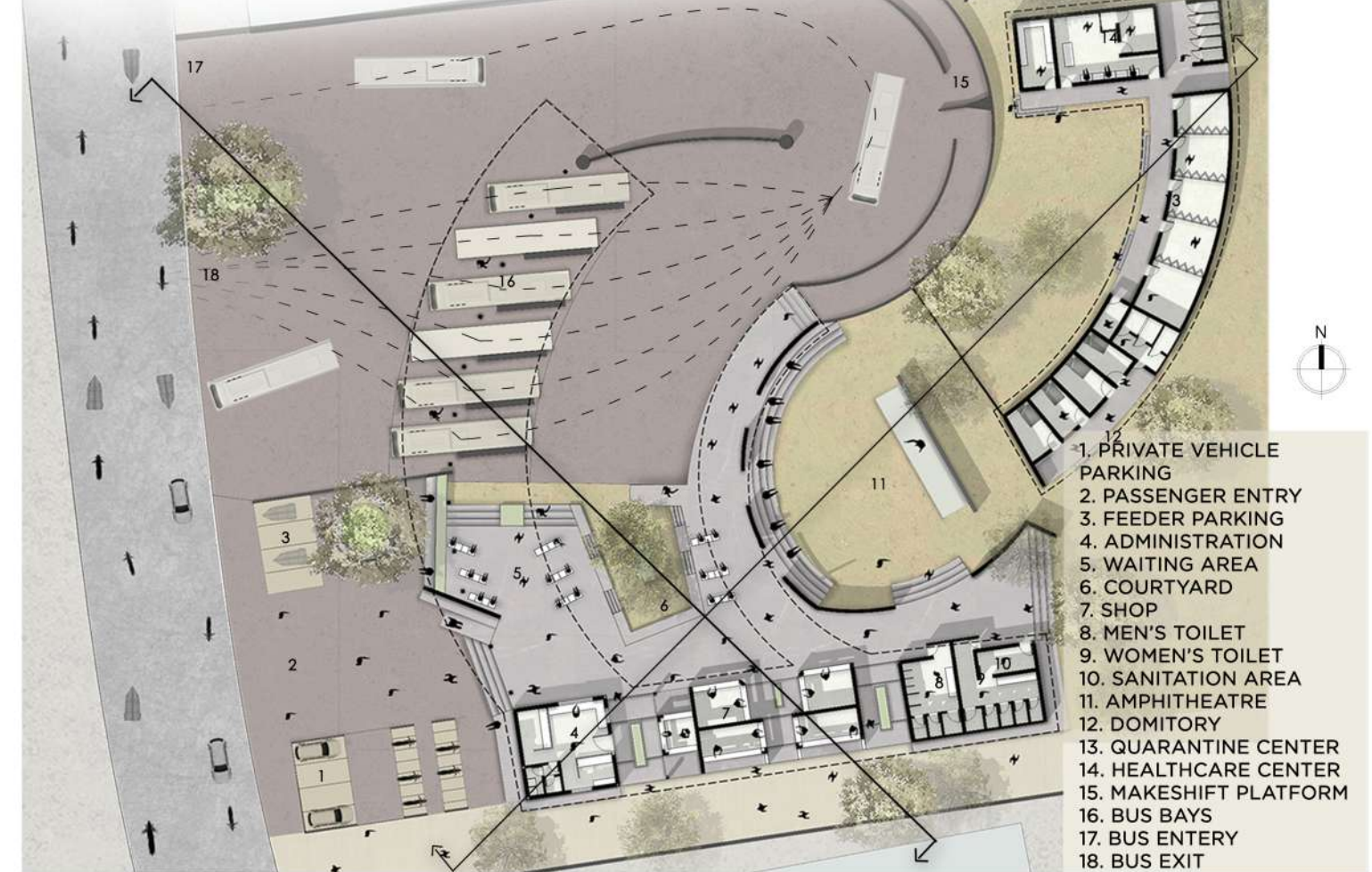
The site is situated on a node connecting two major national high-ways. Livelihoods of various villagers are intertwined with the bus transit network, hence it serves as an imperative mode of income.



### PROGRAMME:



### MASTERPLAN:



# 12

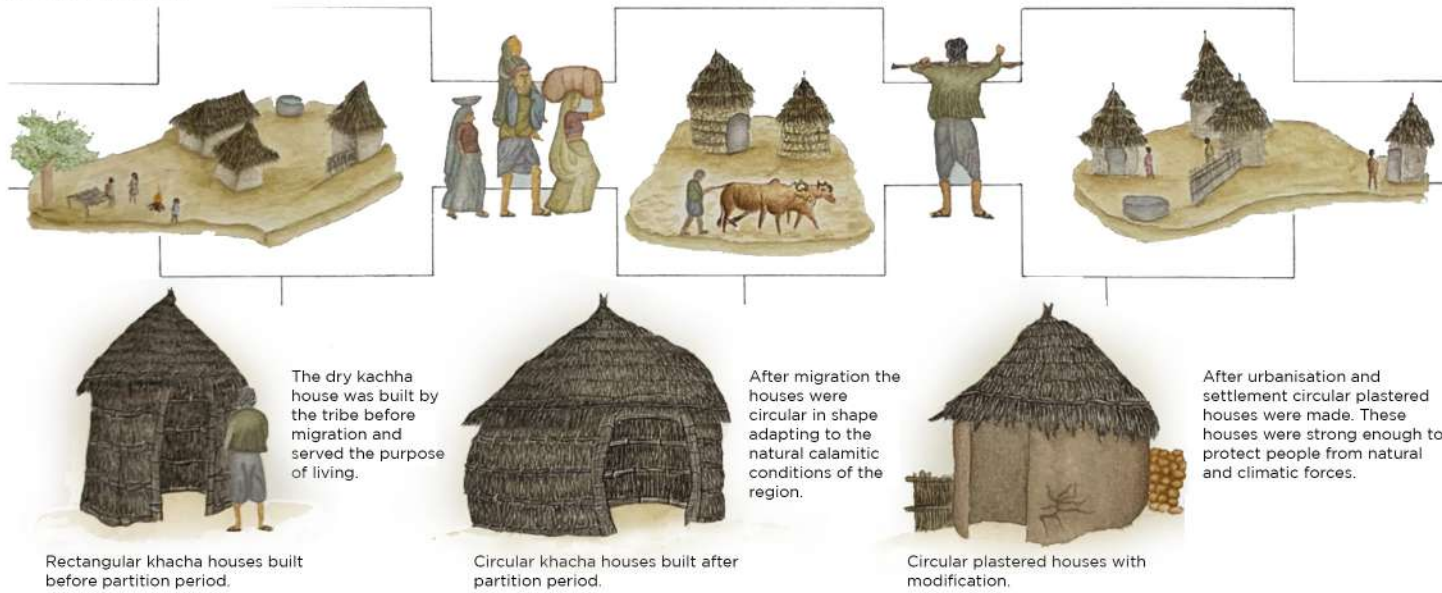
## UCP TROPHY GROUPWORK OF 3 62ND NASA COMPETITION



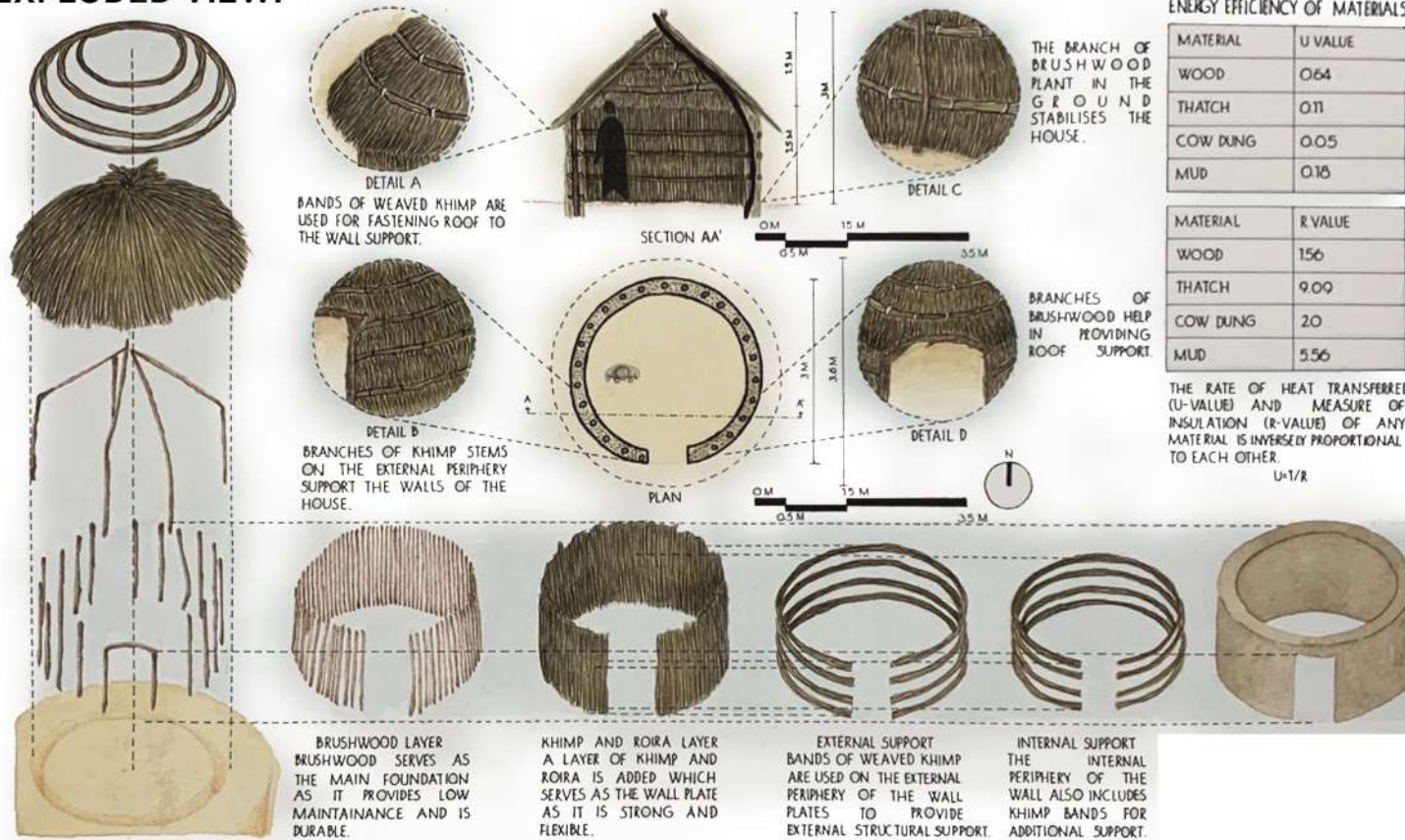
### HYPOTHESIS:

Contriving from the land of artistry and cultural traditions are the people of churu, manoeuvred from the indigenous construction methodology. These create a habitable space for enduring the jat community.

### EVOLUTION:



### EXPLODED VIEW:



#### ENERGY EFFICIENCY OF MATERIALS

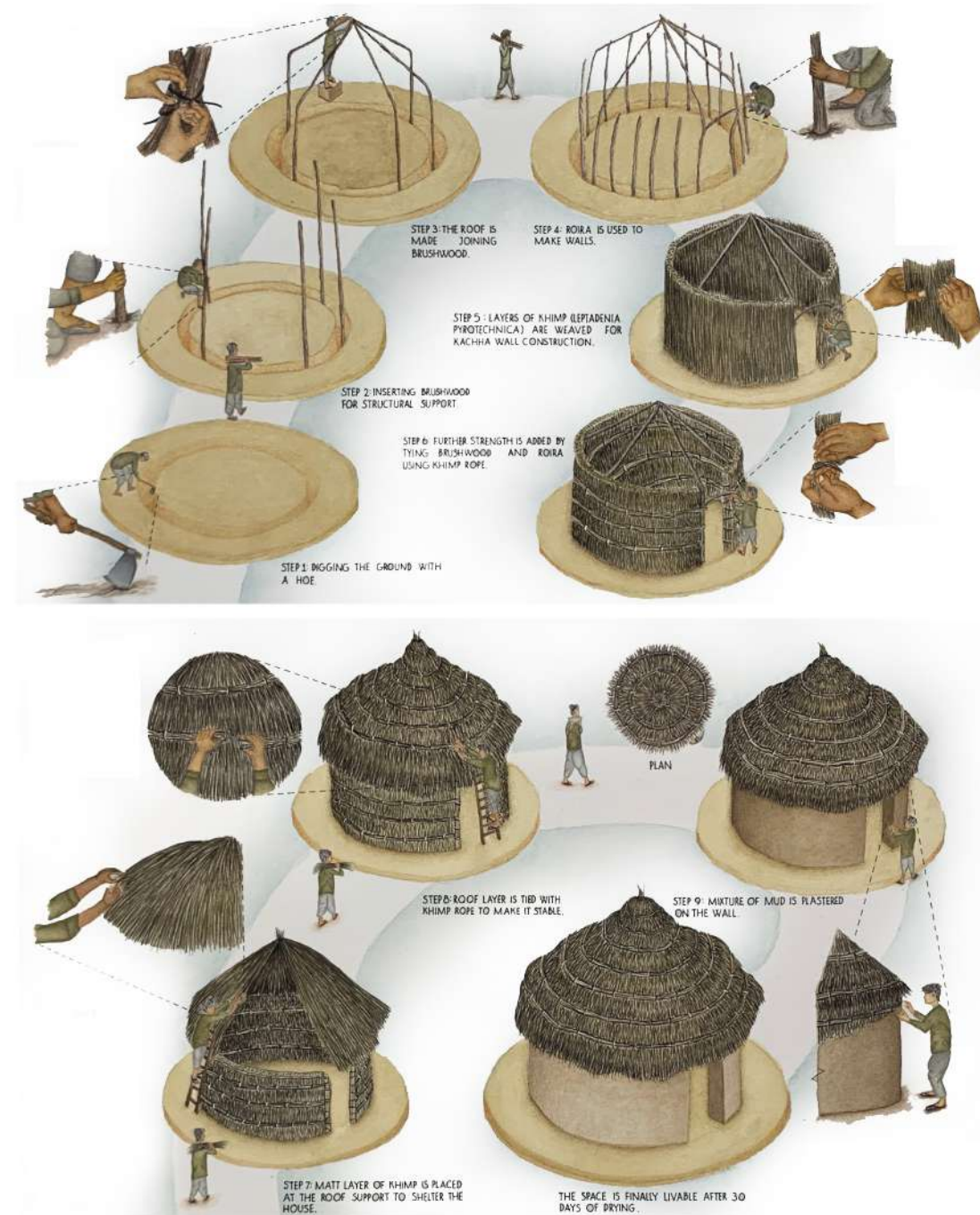
MATERIAL	U VALUE
WOOD	0.64
THATCH	0.11
COW DUNG	0.05
MUD	0.16

MATERIAL	R VALUE
WOOD	156
THATCH	9.00
COW DUNG	20
MUD	5.56

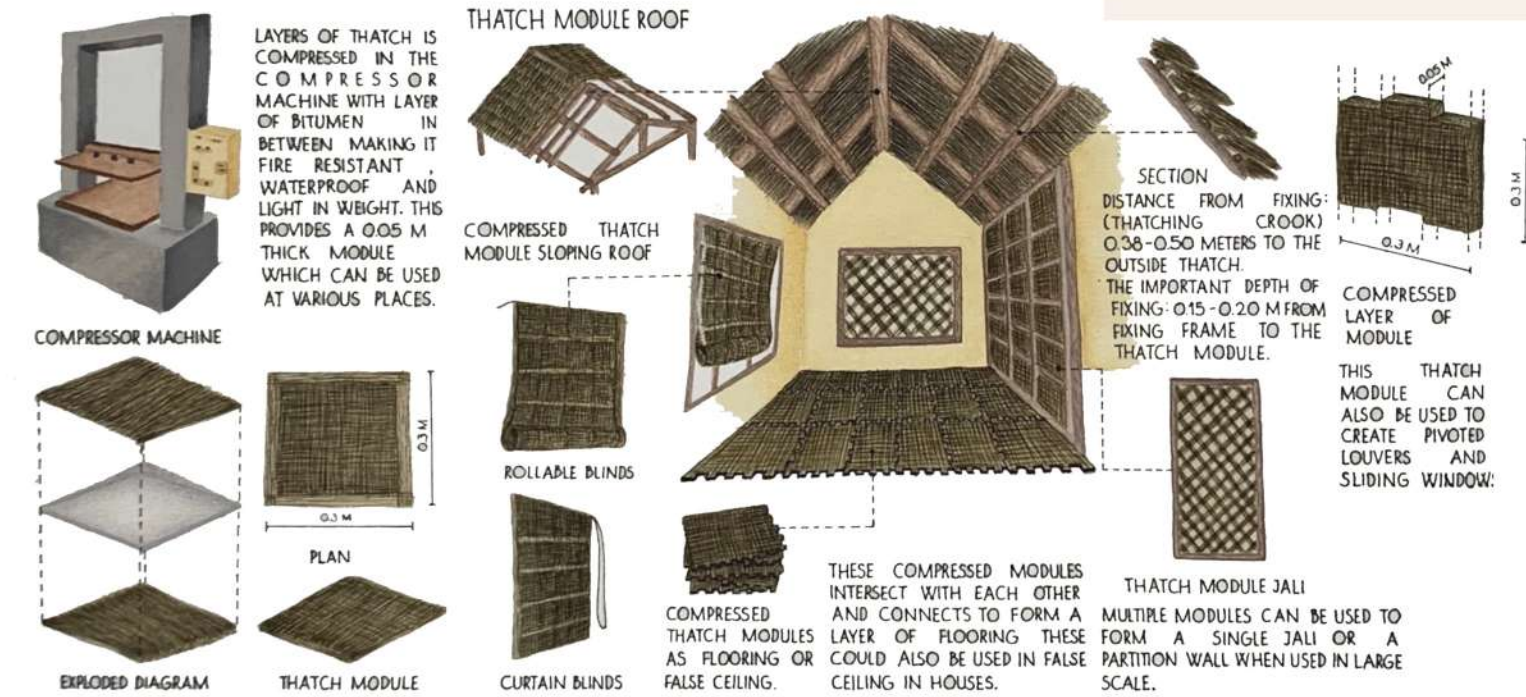
THE RATE OF HEAT TRANSFERRED (U-VALUE) AND MEASURE OF INSULATION (R-VALUE) OF ANY MATERIAL IS INVERSELY PROPORTIONAL TO EACH OTHER.

$U=1/R$

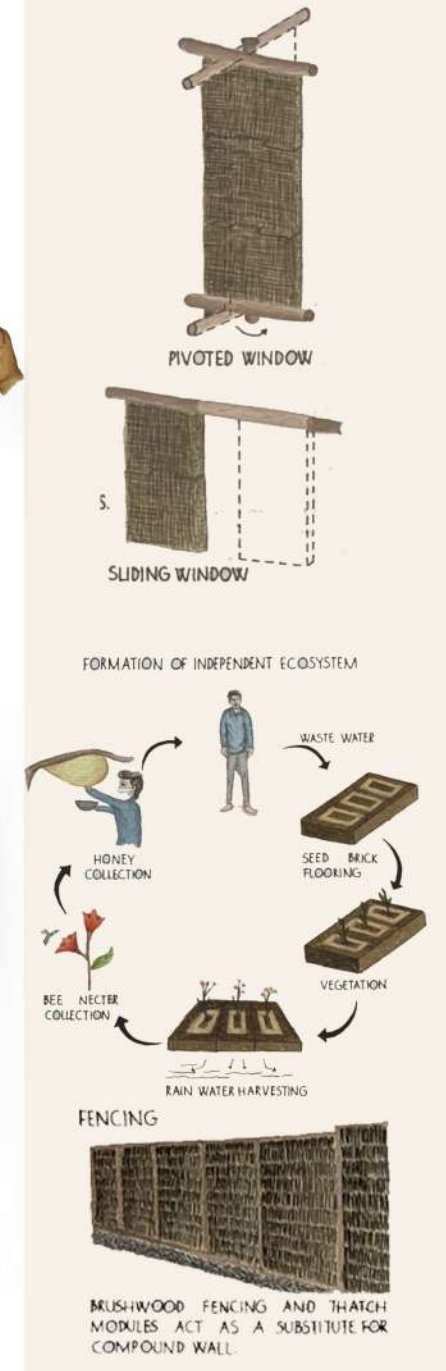
### CONSTRUCTION METHODOLOGY:



### FUTURE USES:



### FUTURE USES:



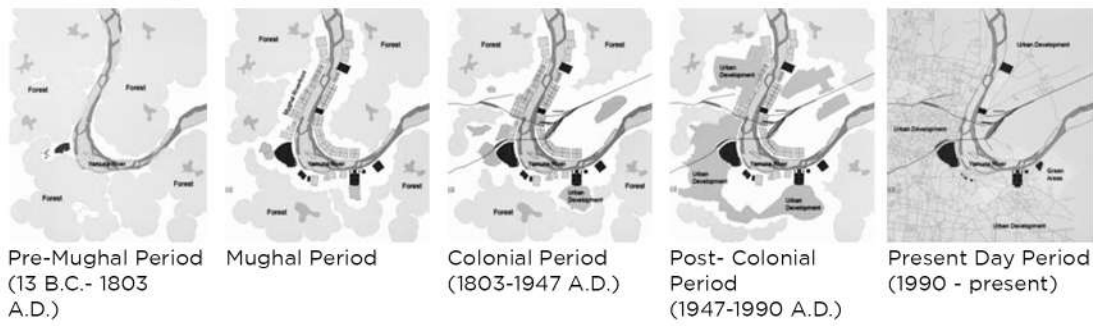
# 13

## NATIONAL STUDY TOUR- AGRA GROUPWORK OF 8

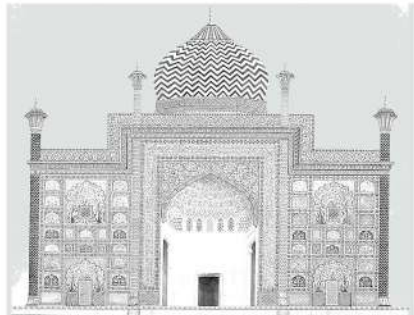
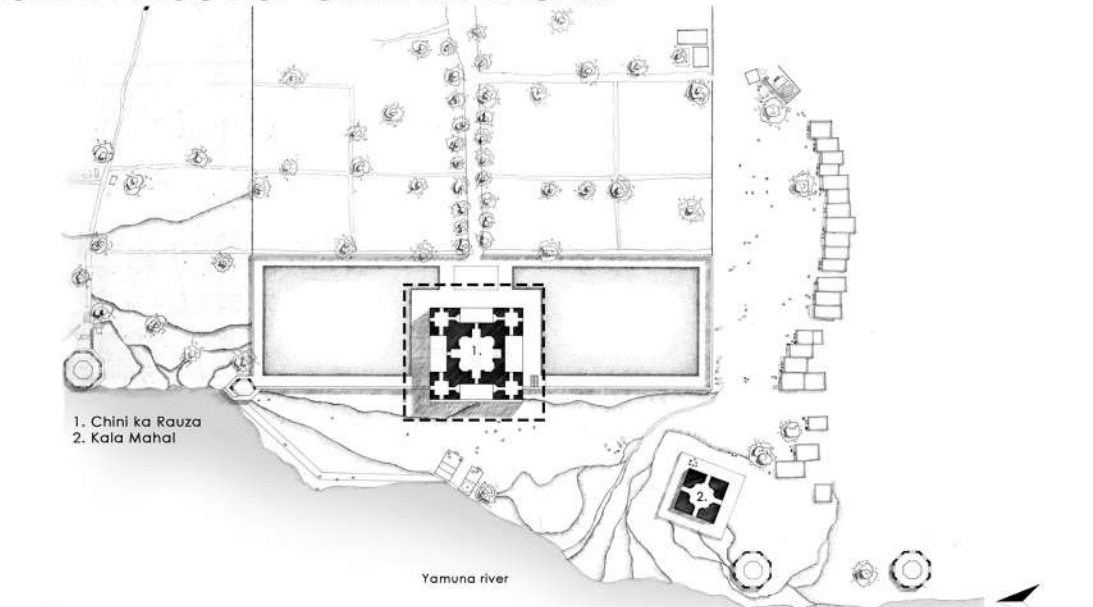
### INTRODUCTION TO AGRA CITY:

- Agra is known as the "City of Tajs," "City of Tombs," and "City of Mughals." The Taj Mahal gives the city and the country an international identity, but the Taj Mahal's empowering symbolism often overshadows the city's various layers of past. Agra is located on the Yamuna River, with the castle and great men's horses of Asaf Khan, Mahabat Khan, and others on one side. Great Amrawes and their Gardens, on the other hand, provide a tantalising promise.

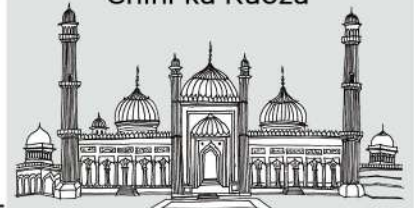
### EVOLUTION OF AGRA CITY:



### SITE LAYOUT OF CHINI KA RAUZA:



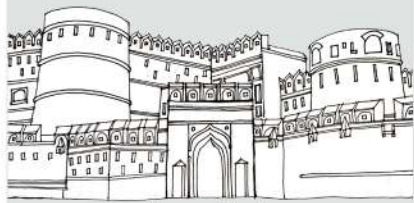
Chini ka Rauza



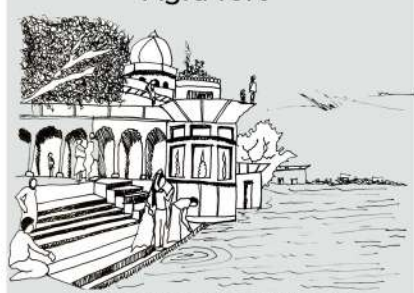
Jama Masjid



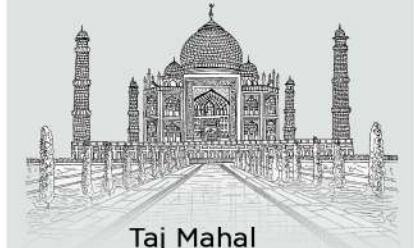
Itmad ud daulah



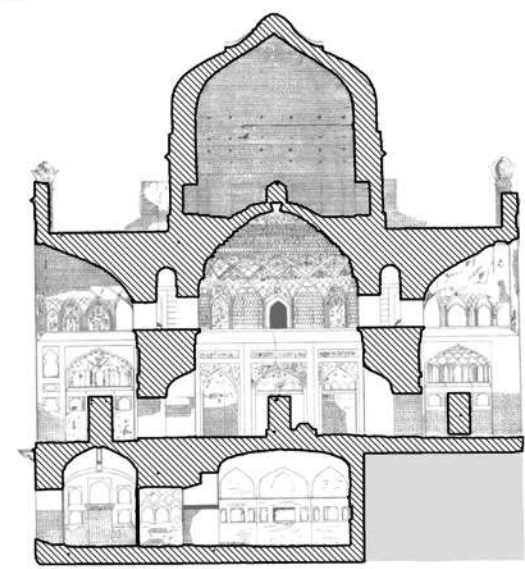
Agra fort



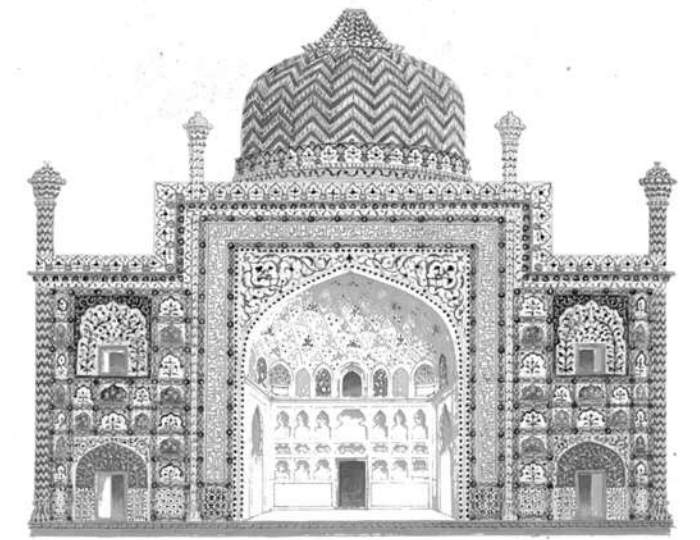
Yamuna Riverfront



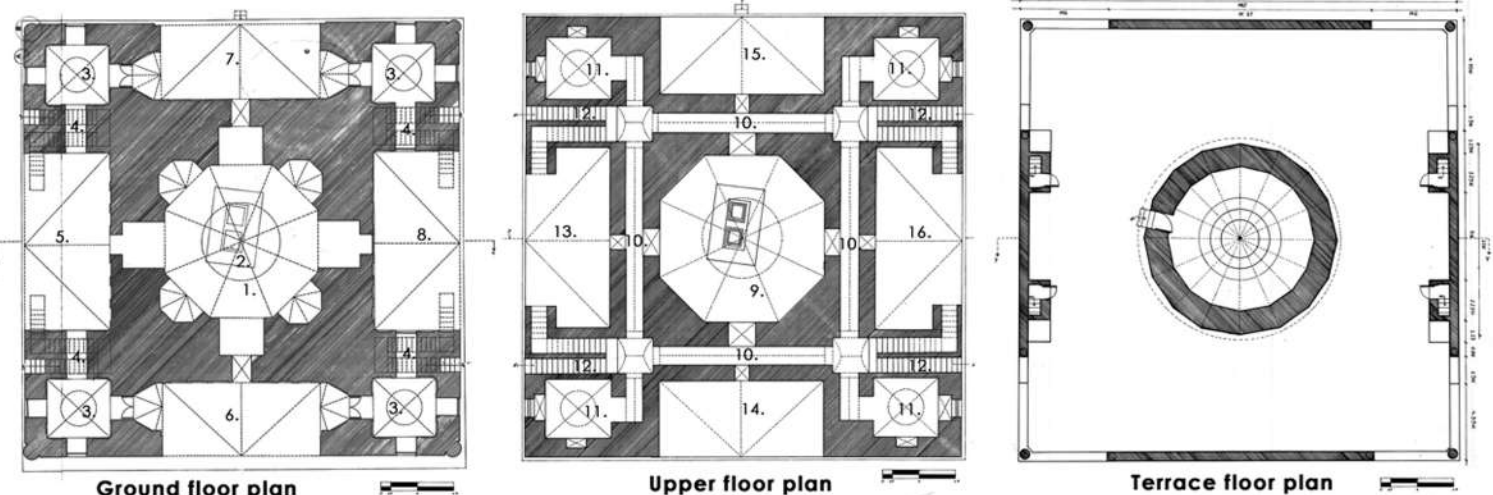
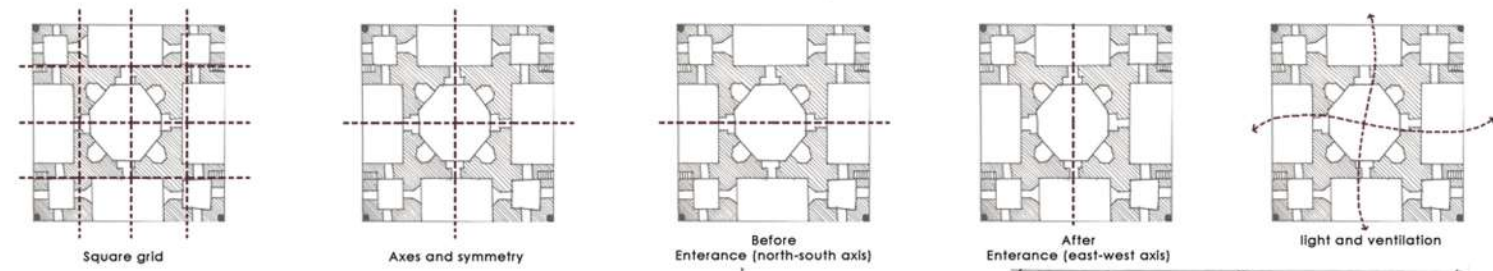
Taj Mahal



Section BB'

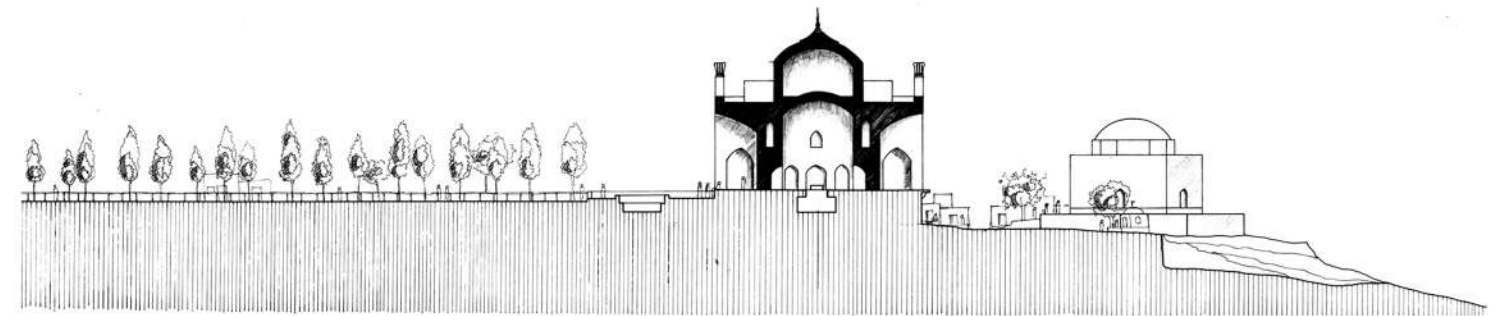


Elevation

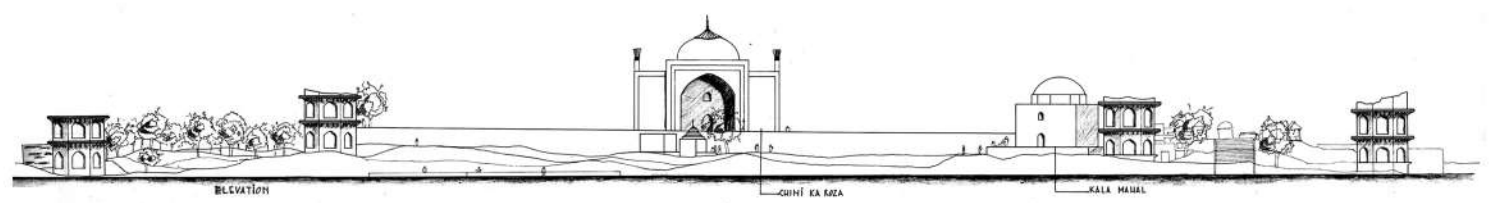


#### LEGENDS :

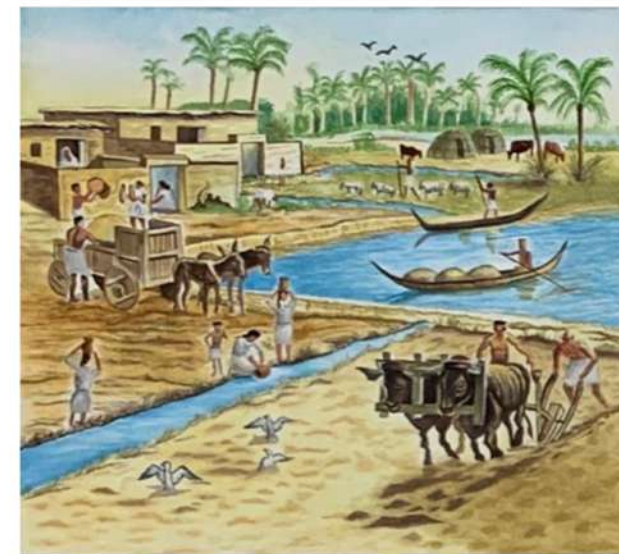
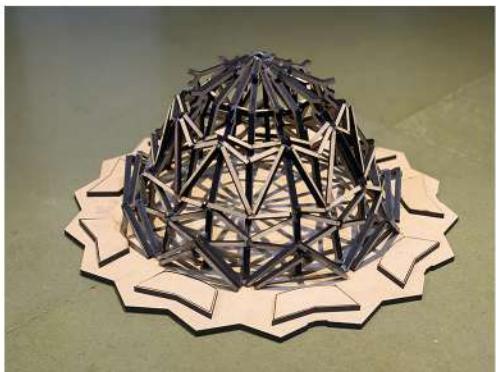
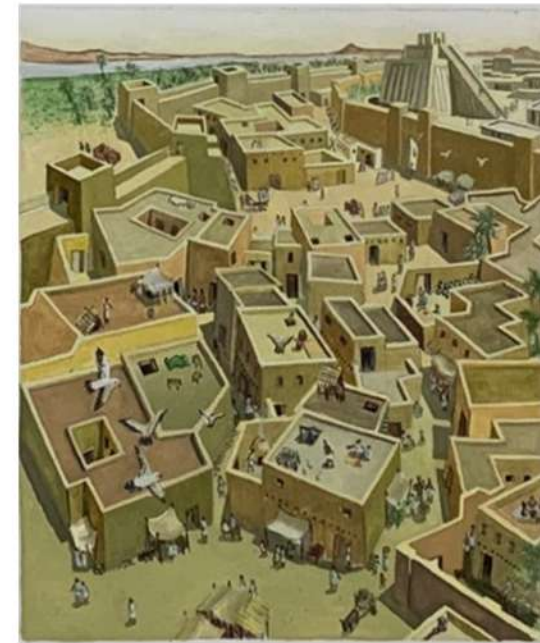
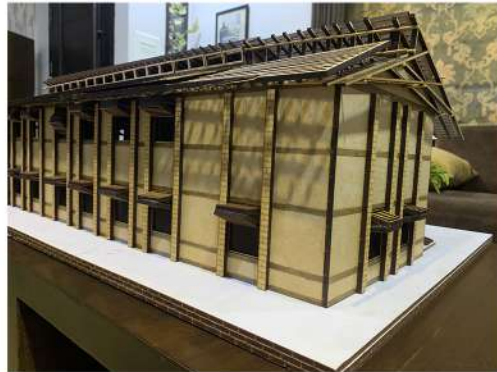
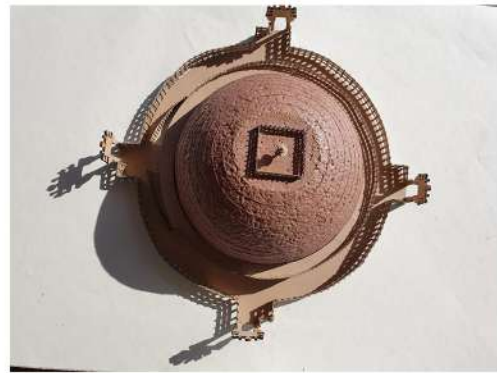
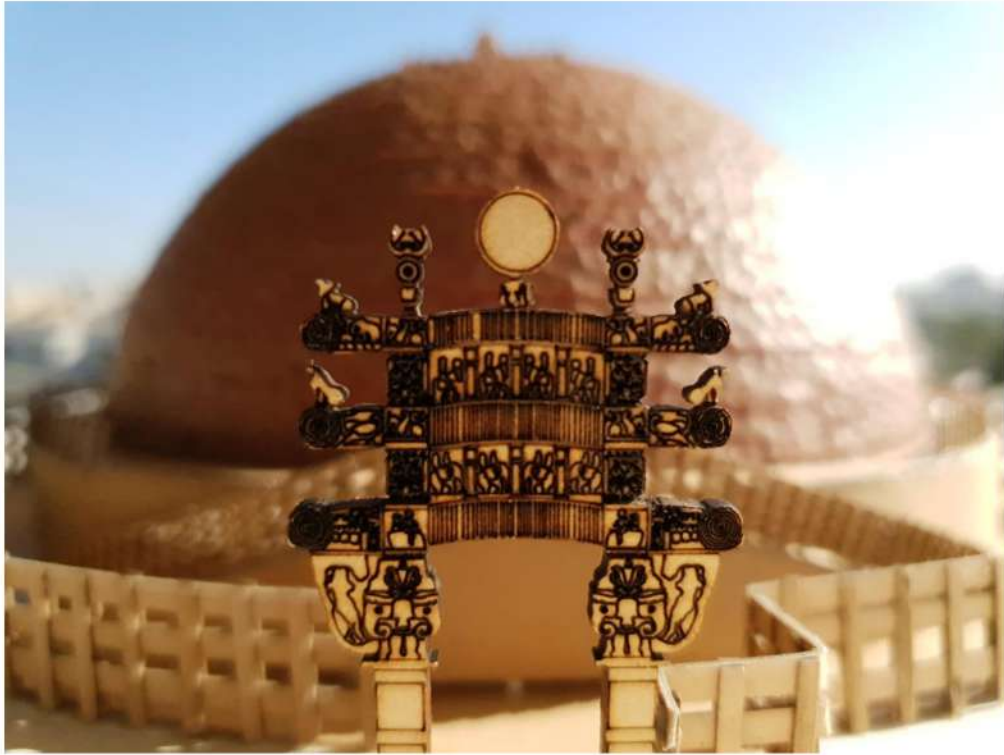
- |                      |                    |                      |                                |
|----------------------|--------------------|----------------------|--------------------------------|
| 1. Octagonal chamber | 5. North vestibule | 9. Octagonal chamber | 13. Upper part north vestibule |
| 2. Tomb              | 6. West vestibule  | 10. Passage          | 14. Upper part west vestibule  |
| 3. Angle room        | 7. East vestibule  | 11. Angle room       | 15. Upper part east vestibule  |
| 4. Staircase         | 8. South vestibule | 12. Staircase        | 16. Upper part south vestibule |



Section AA'

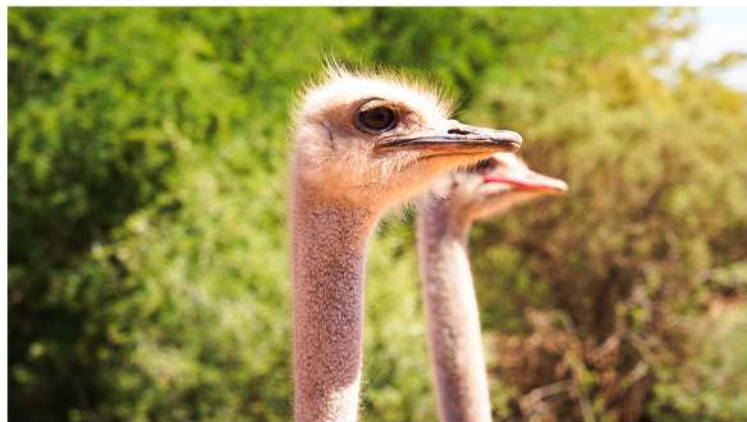


Site Elevation



# 14

SKILL- PHOTOGRAPHY





**Thank You**