



ARCHITECTURE

# PORTFOLIO

2019 - 2024

DISHITA GOEL

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STUDENT OF ARCHITECTURE



## EDUCATION

2019 - Present	● RV College of Architecture Bangalore, Karnataka	Bachelor's of Architecture
2017 - 2019	● P. Obul Reddy Public School Hyderabad, Telangana	CBSE
2013 - 2017	● Pawar Public School Mumbai, Maharashtra	ICSE
2007 - 2013	● P. Obul Reddy Public School Hyderabad, Telangana	CBSE
2005 - 2007	● Euro Kids Hyderabad, Telangana	CBSE

## LANGUAGE

	UNDERSTAND	TALK
English	●	●
Hindi	●	●
Telugu	●	●

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Nagar Rd, Sangareddy, Telangana - 500019

## ABOUT ME

I am currently pursuing my Bachelor's Degree from RV College of Architecture, Bangalore, Karnataka.

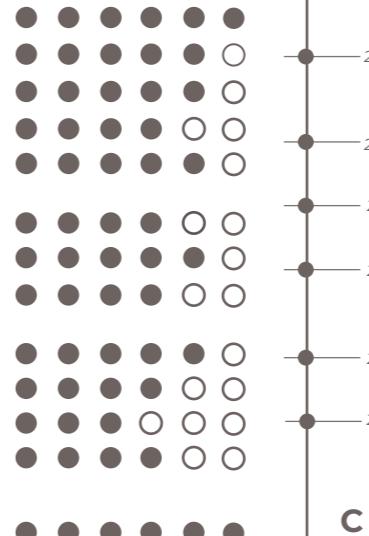
Architecture to me is more than just making buildings, but about designing unique and pleasing experiences for the user. Through this maze of development as an architecture student, I have tried to keep myself open to new thoughts and ideas to further increase my creativity.

## WORKSHOPS

2022	Study of relevance of Vedic Vaastu - Shastra in contemporary architecture	Certified course
2021	Alternate Building Materials and Technologies Foam concrete Rammed Earth Bamboo furniture workshop	Hands - on workshop Hands - on workshop Hands - on workshop
2022	Bamboo Design Workshop	Hands - on workshop
2022	Hafele Design Workshop	Hands - on workshop
2022	Facade Design for Architects Workshop - kaarwan	Certified course
2021	The Complete AutoCAD 2018-21 Course - Udemy	Certified course
2020	A complete course on Blender	

## SOFTWARES

Auto CAD	● ● ● ● ● ●
SketchUp	● ● ● ● ○ ○
Rhino	● ● ● ● ○ ○
Revit	● ● ● ○ ○ ○
Blender	● ● ● ○ ○ ○
V-Ray	● ● ● ○ ○ ○
Lumion	● ● ● ○ ○ ○
Enscape	● ● ● ○ ○ ○
Design Builder	● ● ● ○ ○ ○
Climate Consultant	● ● ● ○ ○ ○
Relux	● ● ○ ○ ○ ○
Q Gis	● ● ○ ○ ○ ○
Adobe Photoshop	● ● ● ○ ○ ○
Adobe Illustrator	● ● ● ○ ○ ○
Adobe InDesign	● ● ● ○ ○ ○



## EXTRA - CURRICULAR

Member of Marketing Team -KALPA RVCA	To reach out to students and college community while creating an overarching image for the magazine theme through competitions and activities
Student Co-ordinator- ONSITE-INSIGHTS , RVCA	
Serjeant-at-arms, ROTRACT CLUB , RVCA	
NSS Camp-SCHOOL BELL	Creating better learning environment for underprivileged students, Makali
Member of Merchandise Club -DIMENSIONS 14 , RVCA	
Designed logos for US-based Companies	

## COMPETITIONS

2022 - 2023	Solar Decathlon India	Finalist
2022 - 2023	Transparence 17.0 Interior	Participated
2022	Tiny House Design	Participated
2022	Archmello - The Habitat 2.0	Participated
2020	Visual Communication	

## ELECTIVES

2020	Visual Communication
2021	Environment Responsive Architecture
2021	Alternate Building Materials & Technologies
2022	Design of High Rise Buildings

## WORK EXPERIENCE

Present	Genesis Planners Pvt. Ltd. Hyderabad, Telangana
May-June, 2023	Studio Dusk Bangalore, Karnataka

## DOCUMENTATION

2022	Socio - cultural Aspect of Church Street Bangalore, Karnataka
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01

## THE MARKET PLACE

*Johnson Market, Bangalore, Karnataka*

*Market Place Design*

*Semester 07*

*Studio Mentors : Debasree Pal | Aziz Rajani | Salila Vanka | Shalini Prakash*



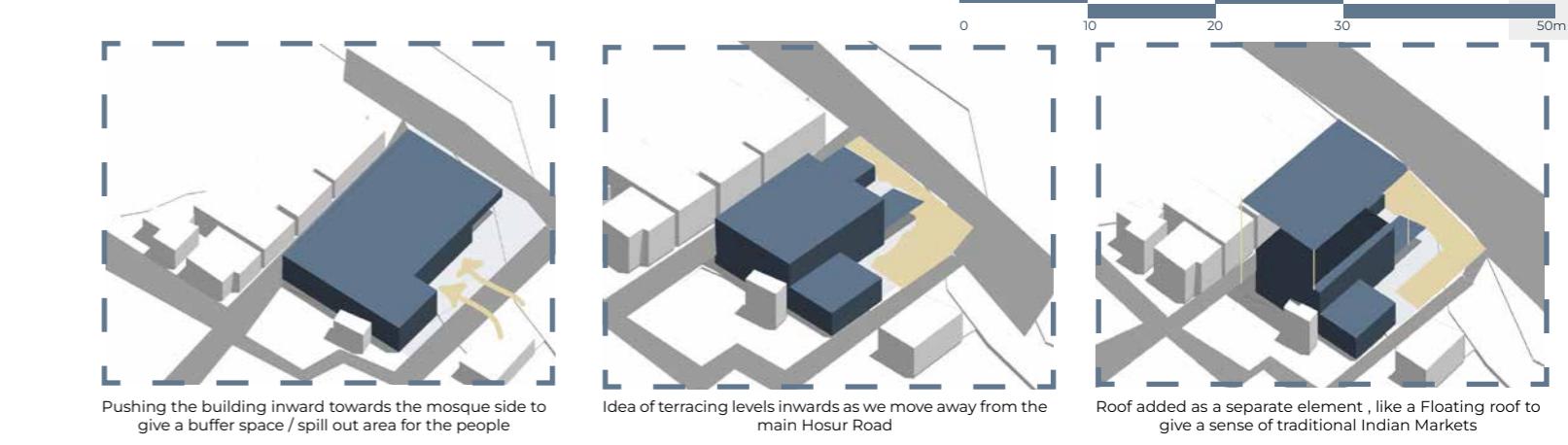
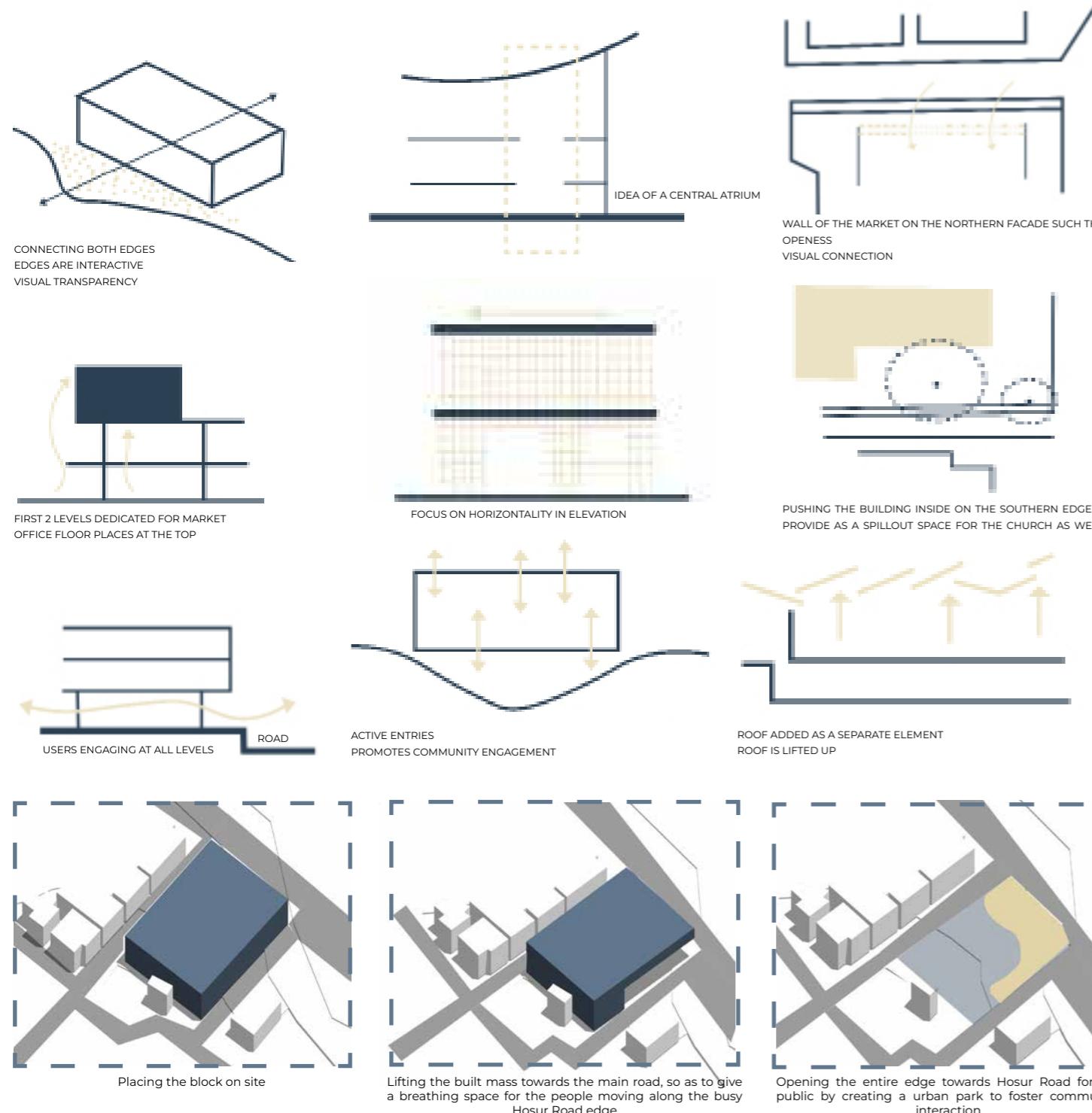
Design of an urban market building in Bangalore as an exercise in space-making in the public realm.

Area : 4500 sq.m

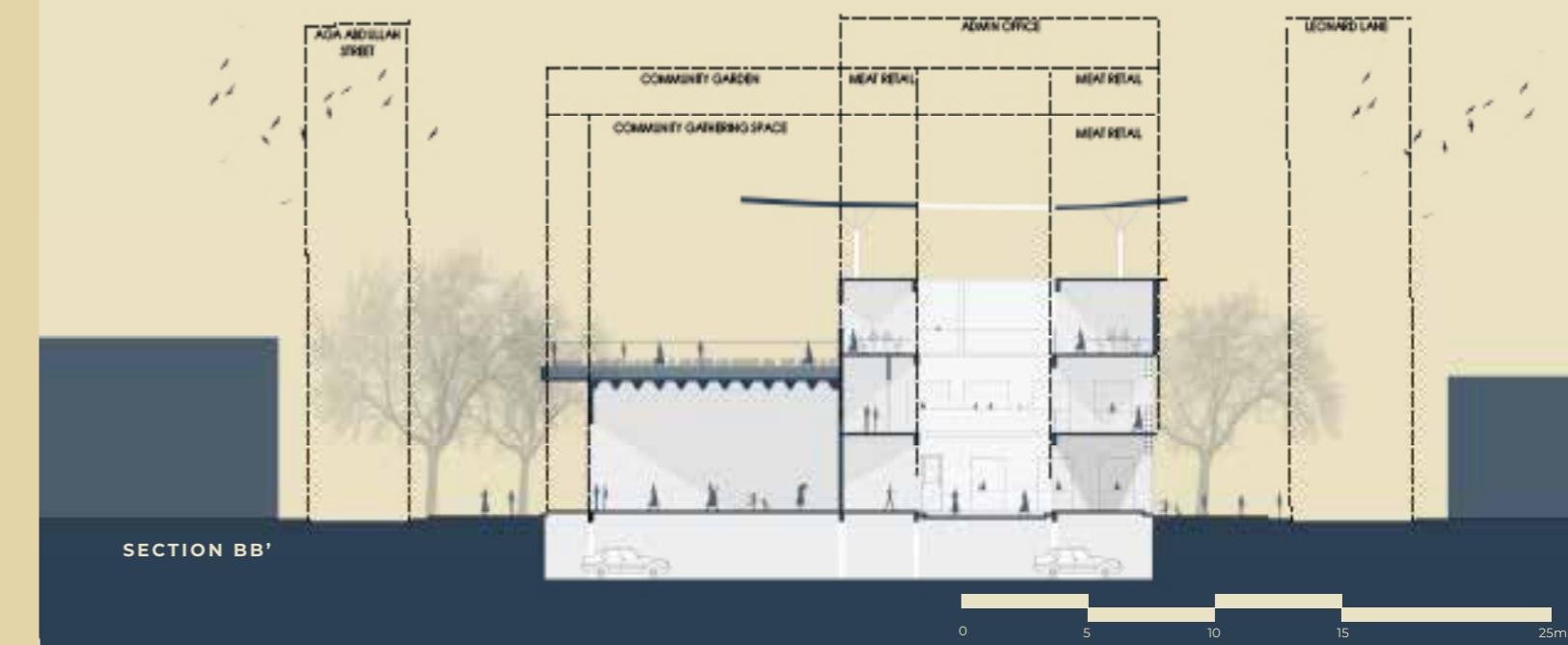
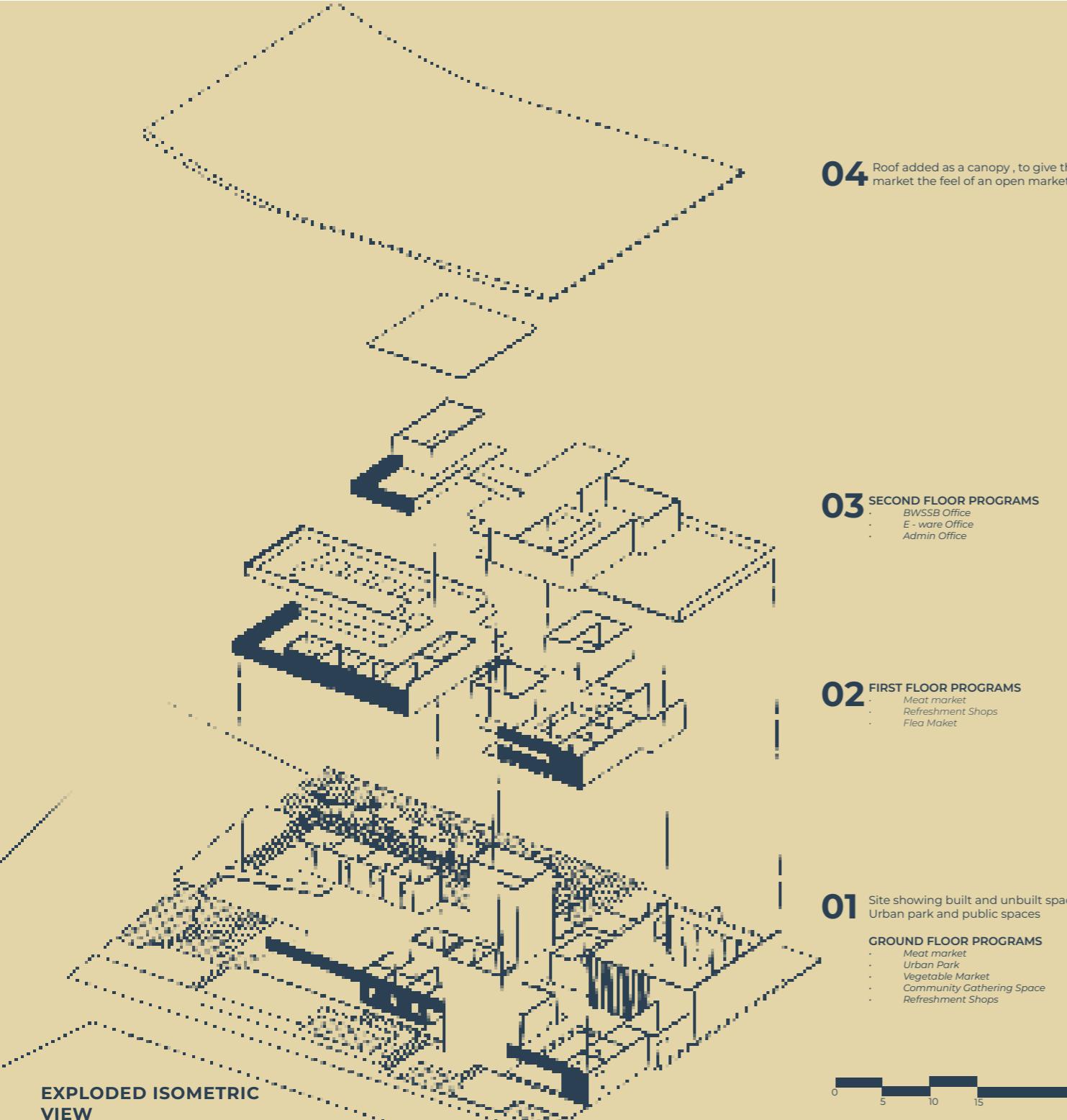
The project relooks into the needs of the community and the shopkeepers and incorporates them on the site by being versatile in nature.

To promote more interactions, the site is left porous and pathways are created so that people experience multiple spaces.

All the functions and spaces are linked in a manner such that the whole projects looks like one complete building . The market is designed in such a way that the market opens on to the streets surrounding the site letting people freely enter and leave the market. On the northern facade , wooden sticks ( ECOWOOD ) are used which modulate themselves in such a manner that they become openings at some places, shop fronts at some and as a facade at the remaining places.







**02**

## LOCAL ROOTS

*MG Road, Bangalore, Karnataka*

*COVID Museum*

*Semester 03*

*Studio Mentors : Madhuri Rao | Smaran Mallesh | Meera Vasudev | Deepa Suriyaprakash*



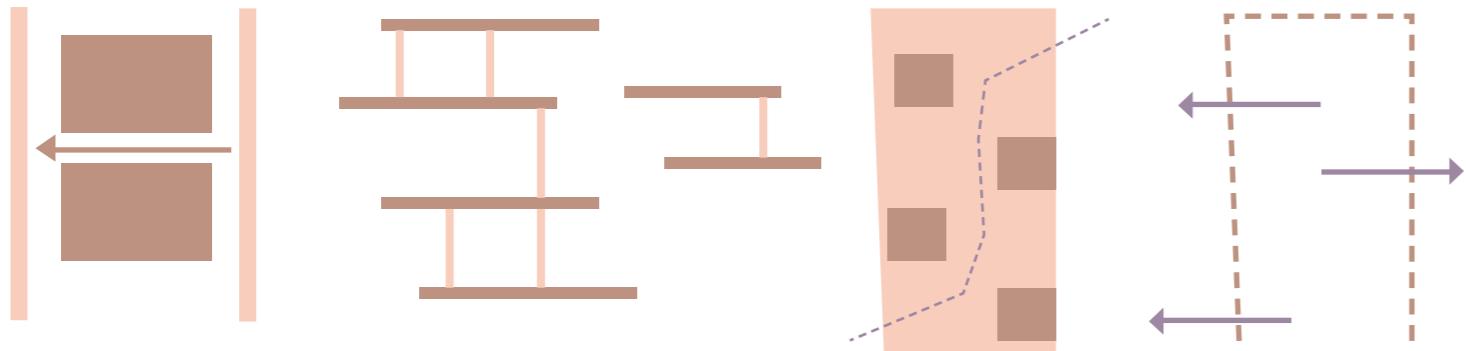
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*Design of a museum by taking into consideration any one aspect of the Covid - 19 pandemic.*

*Area : 500 sq.m*

*The COVID-19 pandemic and its aftermath, has forced us to rethink our lifestyles and health once again, with a renewed focus on oral traditions passed down from generation to generation.*

*The main aim of the museum is to create a space for interaction and human activity. A place where people get to know about what people did with respect to nourishment during the pandemic. A place where people learn about various traditional cuisines, learn how to cook them, learn about organic farming. A place where people get to know about the advantages of traditional cookwares and how the traditional cookwares were a hit during the pandemic.*

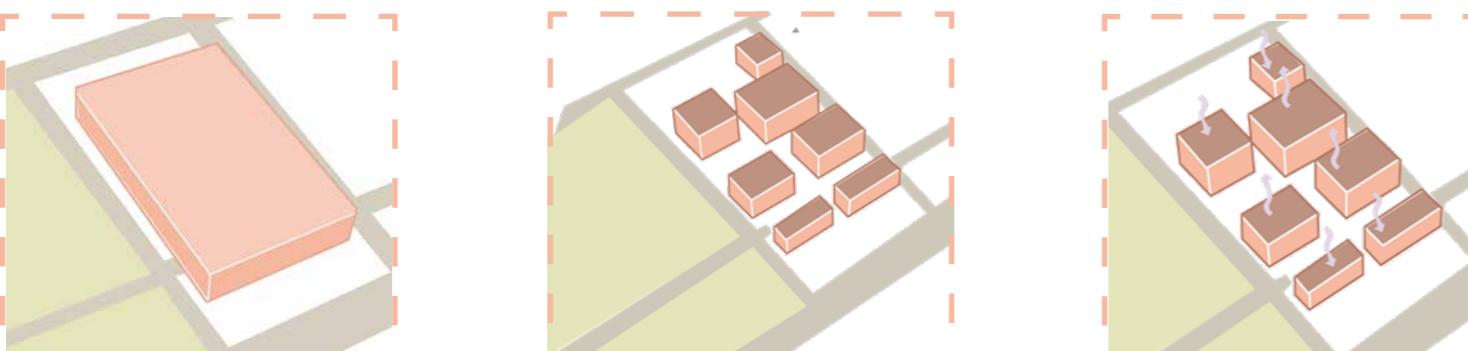


Toilet acts a thoroughfare between 83rd street and road which leads to chinnaswamy stadium

Idea of a grid where the horizontal lines act as the main system

Fluid path connecting the various spaces and the streets

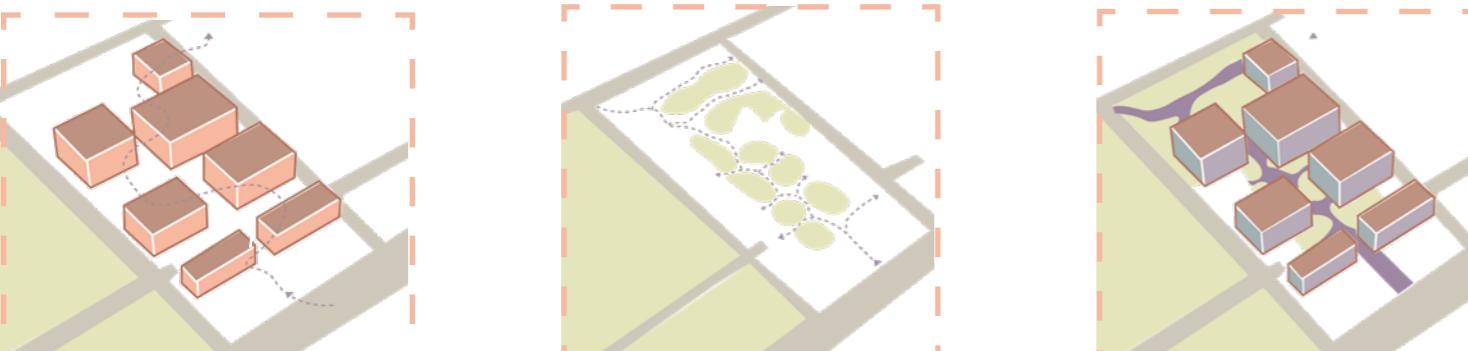
Jail wall at certain places to give a view of the outside



Placing the block on site

Breaking the bigger volume into smaller volumes keeping the idea of grid

Changing the volume of the masses based on the functionality of each block



Connecting the various functions through a spine

The spine is designed in such way that it passes through organic gardens which are present in the site

Changing the materiality of the walls to give the users different experience

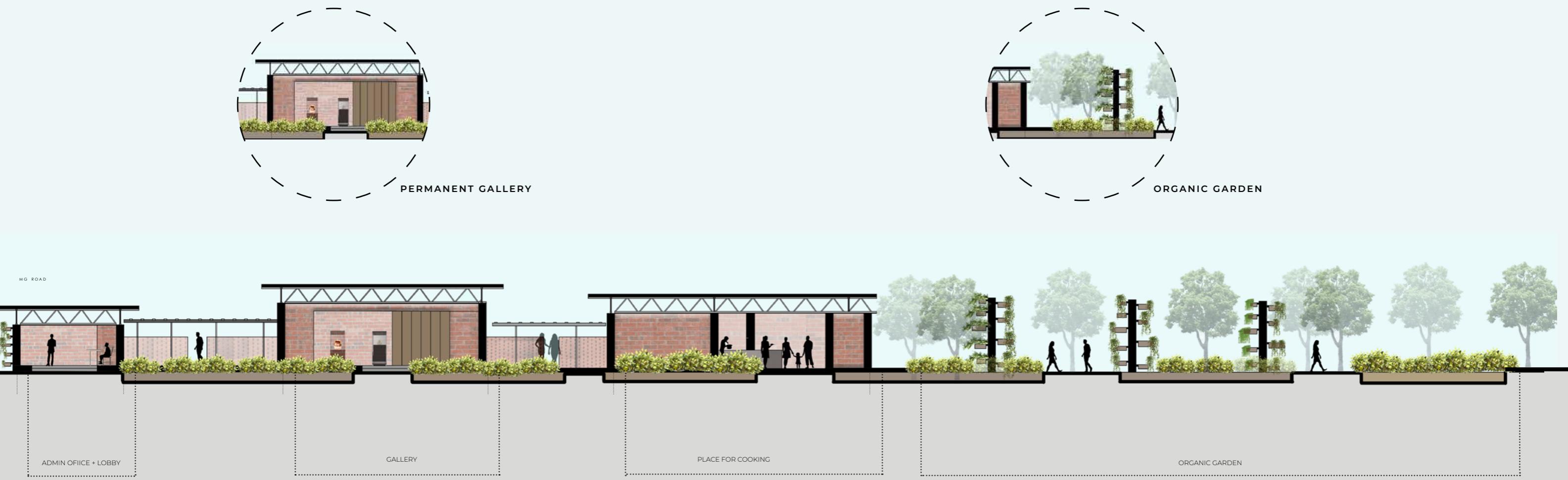




VIEW OF THE THOROUGHFARE



VIEW OF THE ORGANIC GARDEN FROM THE MUSEUM ENTRANCE



SECTION AA'

0 5 10 15 25m

**03**

## GURUKUL

*Ramnagara, Karnataka*

*Educational Building*

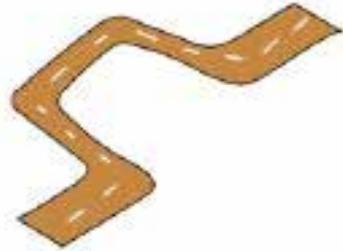
*Semester 08*

*Studio Mentors : Phaniran Phingali | Minni Shastry | Ramya Ramakrishnan*



*Area : 1000 sq.m*

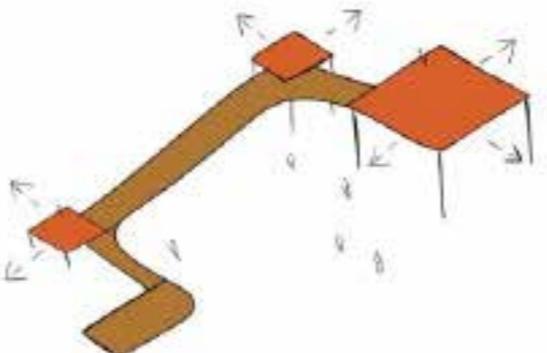
GURUKUL is a net zero, green educational center that takes learning back to its roots and brings back the traditional and sustainable way of learning and living. A place that helps in the exchange of knowledge between both, teachers and students. These principles come forward through the spaces of learning as well, when the architecture is made as a response to the site and the nature drives the built form. Vertical grouping makes for healthier peer dynamics as well as help minimize comparison in the mind of the learner as well as the adult. The physical activity programme at school includes activities that stimulate sensorial and motor development, cooperative games, pre-participation tasks to develop specific skills. The school creates an ambiance that nurtures the student's creative and aesthetic abilities, all the while incorporating an appreciation for nature.

**RAMPS**

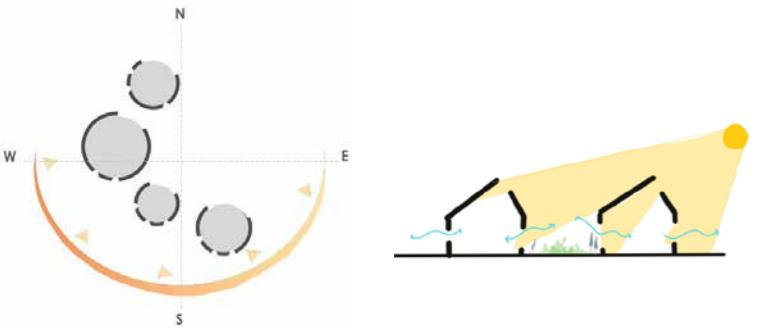
Allows people of different abilities to access different levels of pedestrian network easily

**SPACES IN BETWEEN**

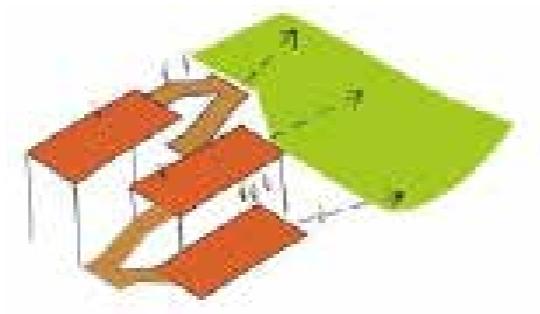
Interesting spaces in between the ramps, paths area created

**MULTI LEVEL PLATFORMS**

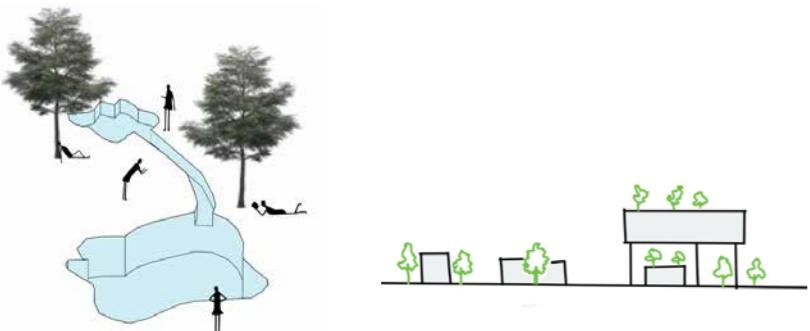
Larger platforms established across different levels of platforms to take advantage of the height while keeping spaces on the ground level free and usable.



Buildings oriented along EW, with max openings towards north

**PROGRAM LAYERING**

Interweaving the programs on different elevations to work with each other- platform providing shading from sun and rain to lower levels

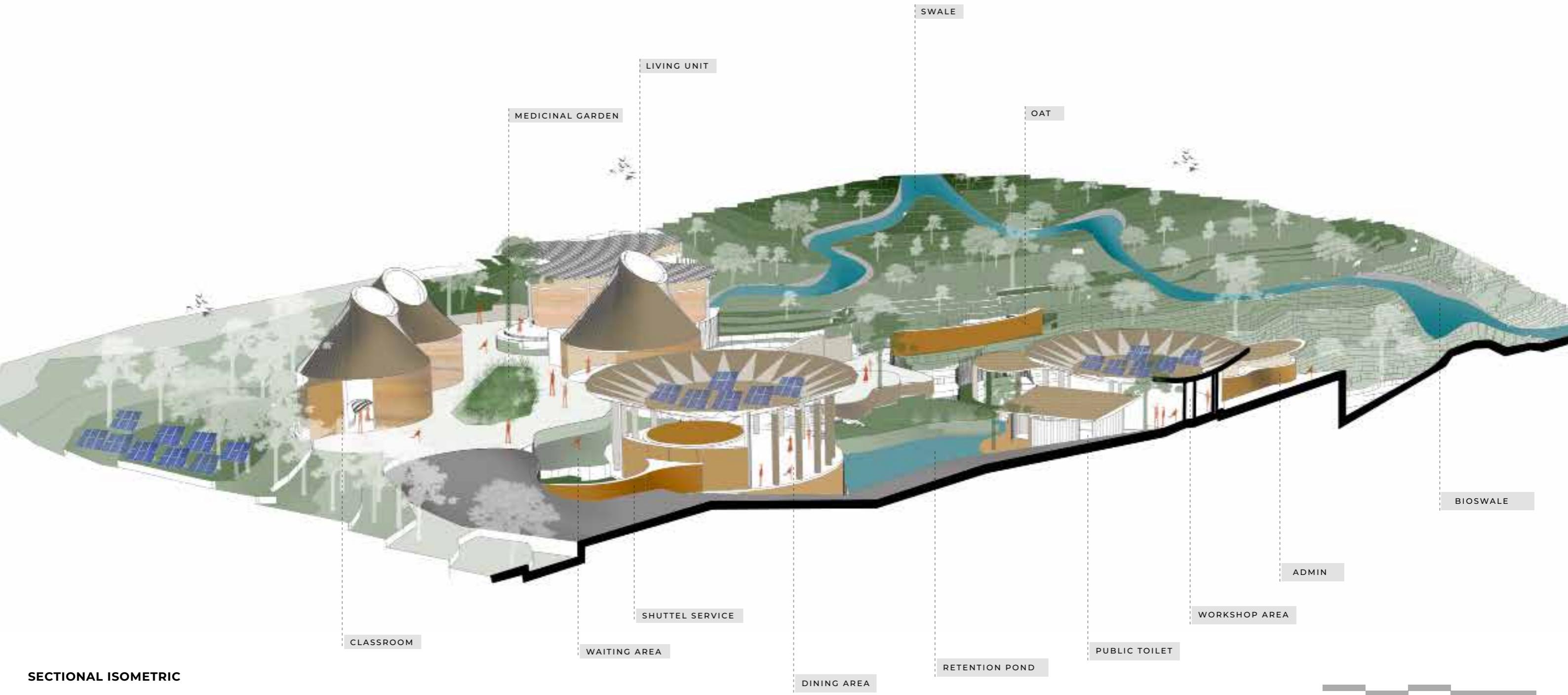
**INTEGRATING THE BUILT AND THE SURROUNDINGS**

Swales and bio retention ponds help in cleaning the water and act as landscape features

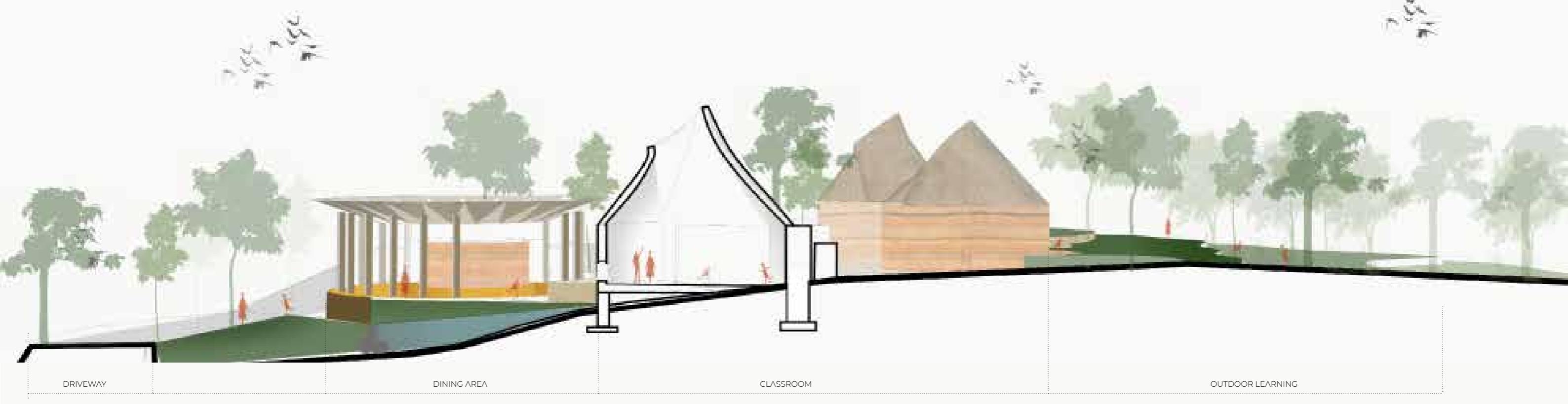
**INCLUSIVITY**

In order to bring various diverse age groups, interests and communities together, complementing, the already existing programs across the site will strengthen the network





0 5 10 15 25m



POND AT THE CENTER FROM WHERE ALL BUILDINGS HAVE A VIEW TOWARDS IT.



ENTRANCE TO THE ADMIN AREA



CLASSROOMS AROUND MEDICINAL GARDENS



DORM UNIT FOR CHILDREN

**04**

## GATEWAY TO JOURNEYS

*Bangalore, Karnataka*

*Urban Transit Hub*

*Semester 08*

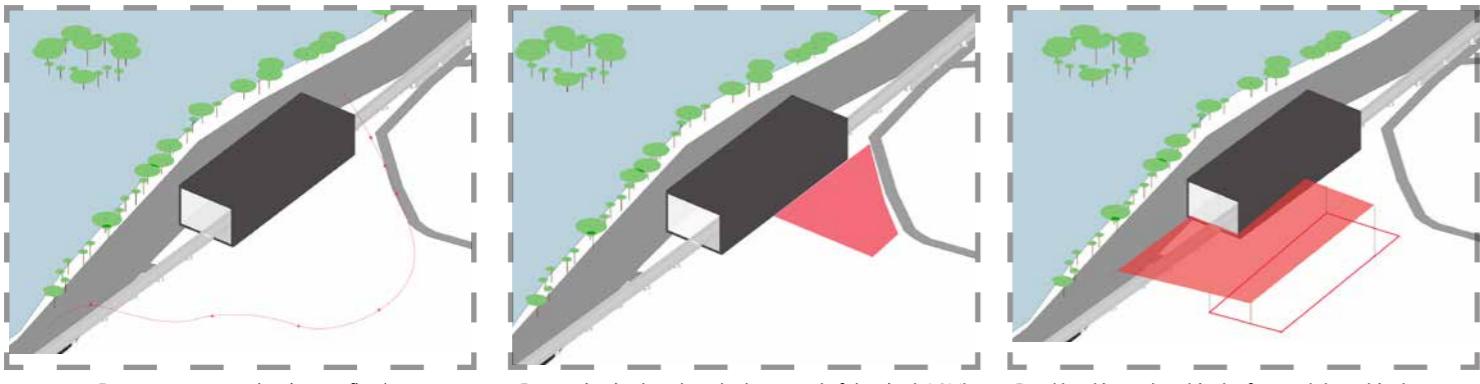
*Studio Mentors : Hiranmayi S | Ajinkya K | Shalini M.O | Vaidehi R*



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*Area : 47000 sq.m*

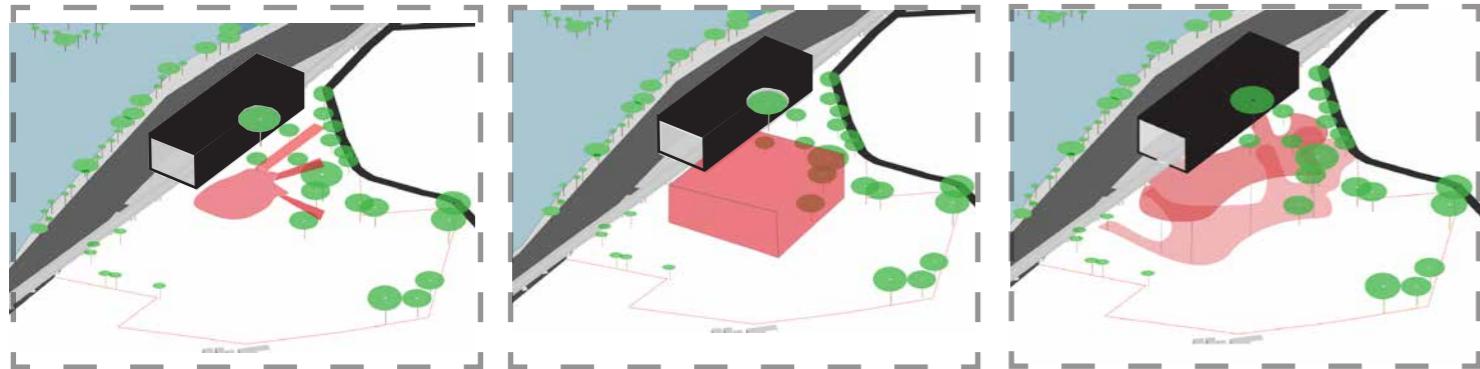
The Transit Hub at Kengeri is an innovative architectural project designed to serve as a central transportation hub in the bustling city of Kengeri. Located strategically at a prominent intersection, this transit hub aims to provide a seamless and efficient experience for commuters while revitalizing the surrounding urban environment. The Kengeri Urban Transit Hub aims to redefine transportation infrastructure by seamlessly integrating multiple modes of transit (bus and metro), prioritizing passenger comfort and safety, and enhancing the overall urban experience. It serves as a vibrant and dynamic hub that connects people, communities, and opportunities, contributing to the sustainable development of Kengeri.



Bus movement on the site was fixed

Bus station is placed on the lower end of the site (-4.0M)

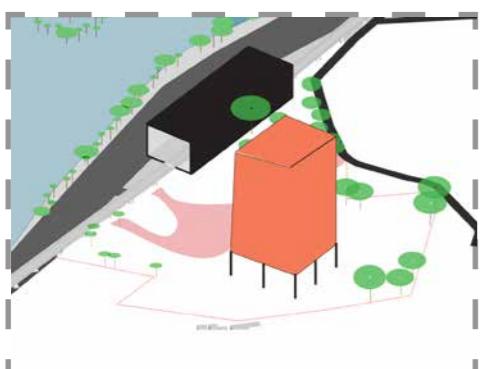
Road level is made vehicular free and the vehicular movement is restricted at -4.0M only



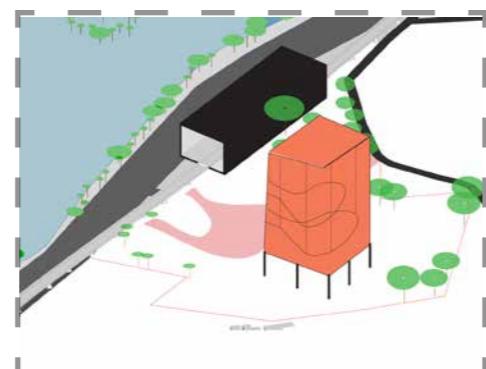
Bus platforms are placed in a way to facilitate seamless flow of people without coinciding with the vehicular movement

Retail spaces are places close to the metro station and closer to the road and bus terminal

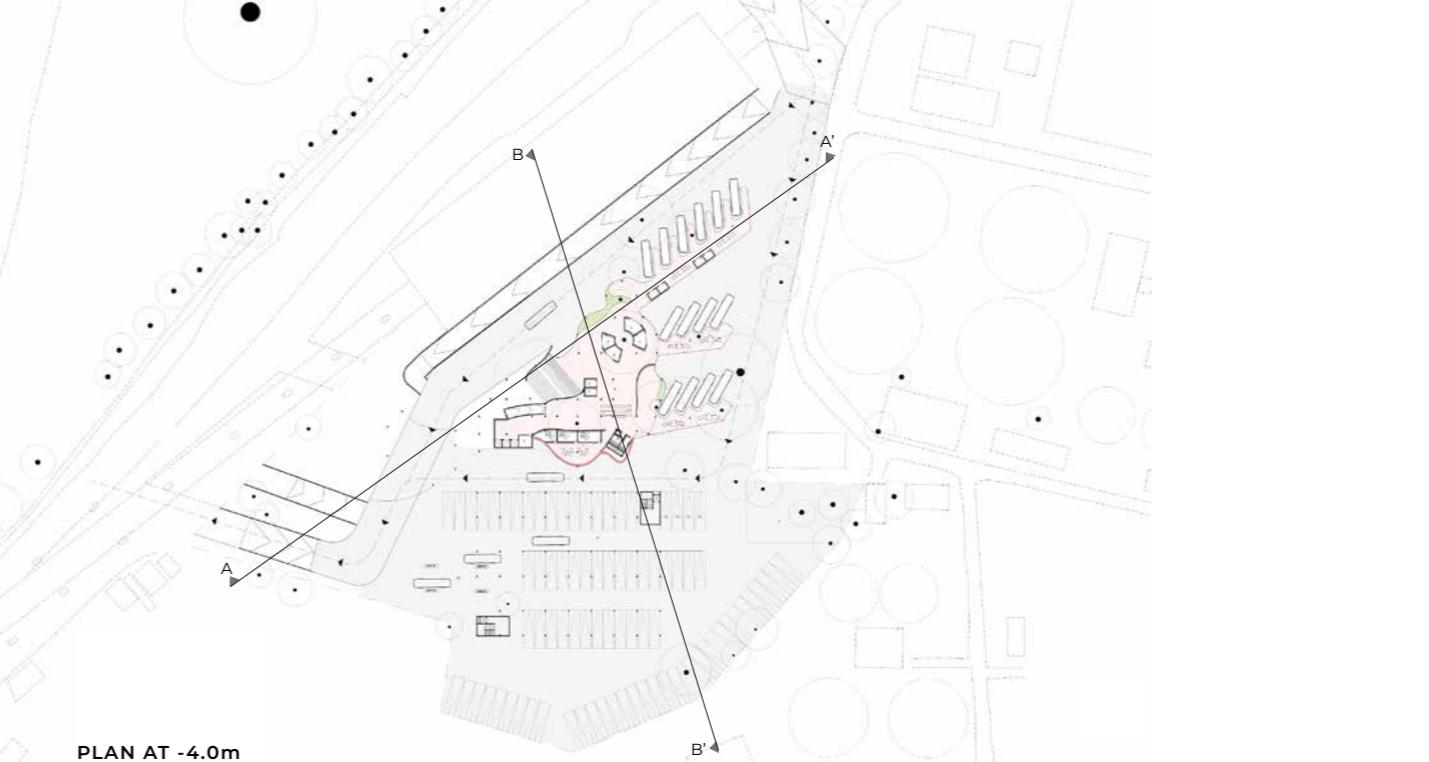
The retail building is placed on site based on the trees present and cutouts are made accordingly



Co- working spaces and hospitality spaces are placed a little away from the road and is lifted off ground to promote seamless bus movement



Cutouts in the hospitality+ co- working spaces block are made in such a way that it looks like a continuation of the retail block



PLAN AT -4.0m

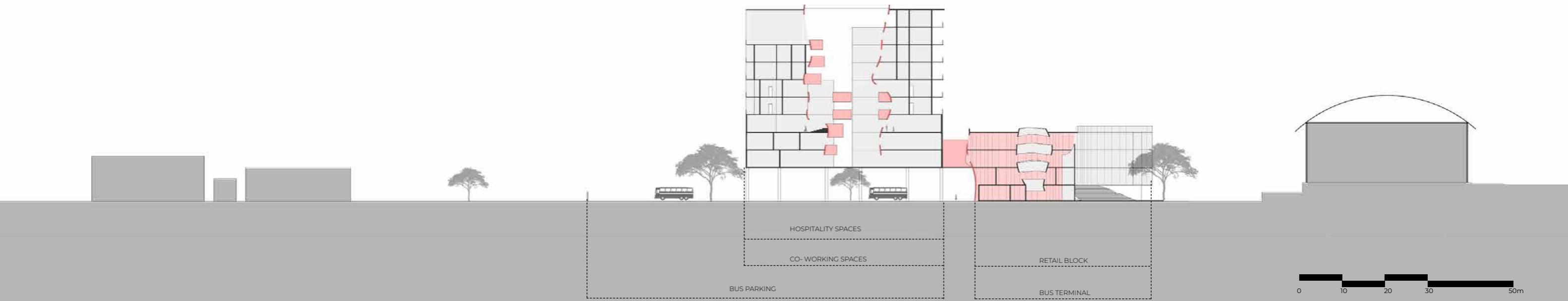
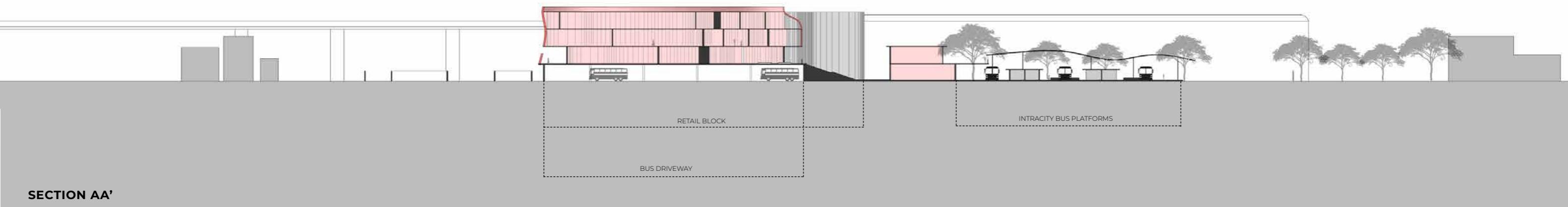


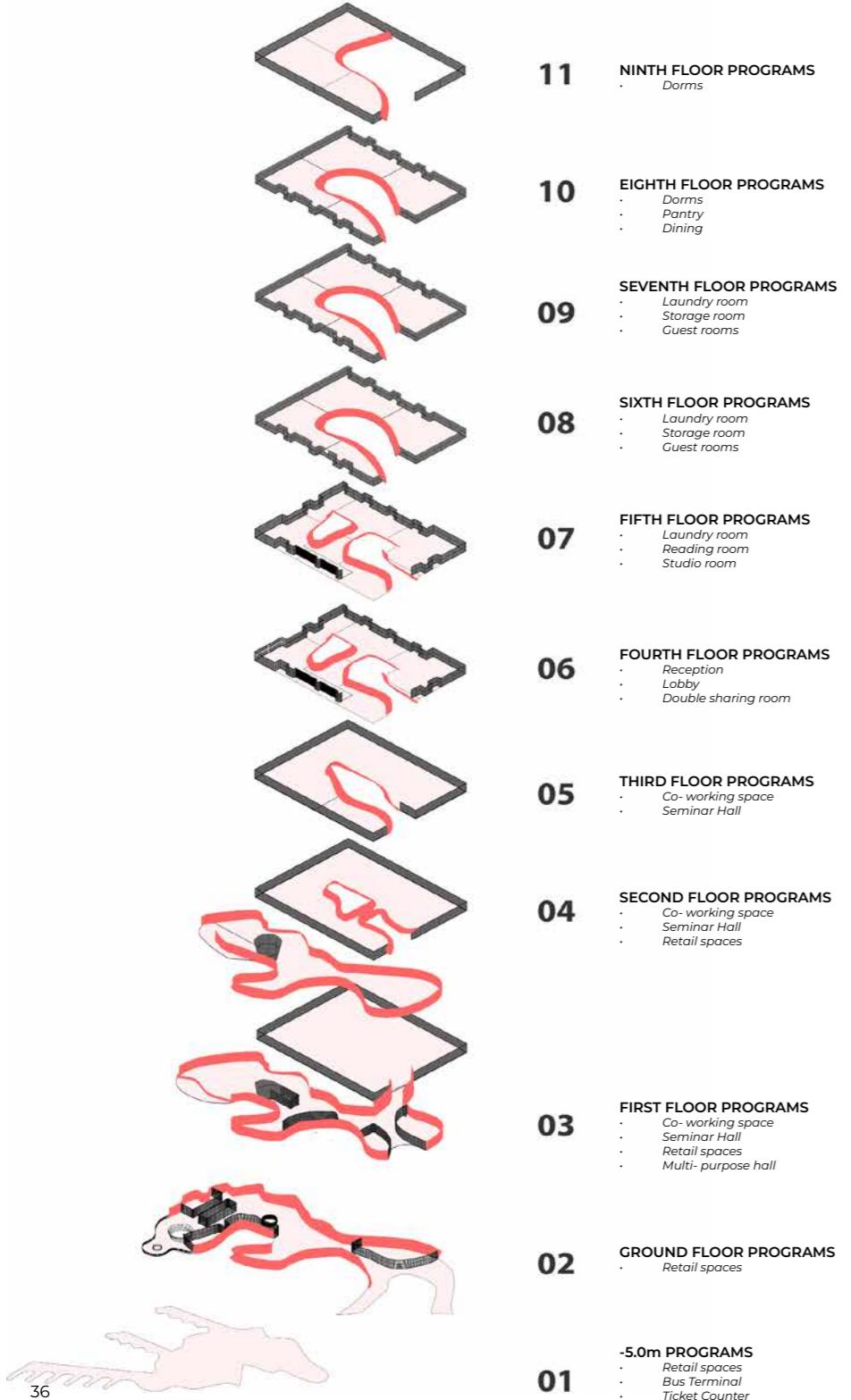
PLAN AT 0.0m

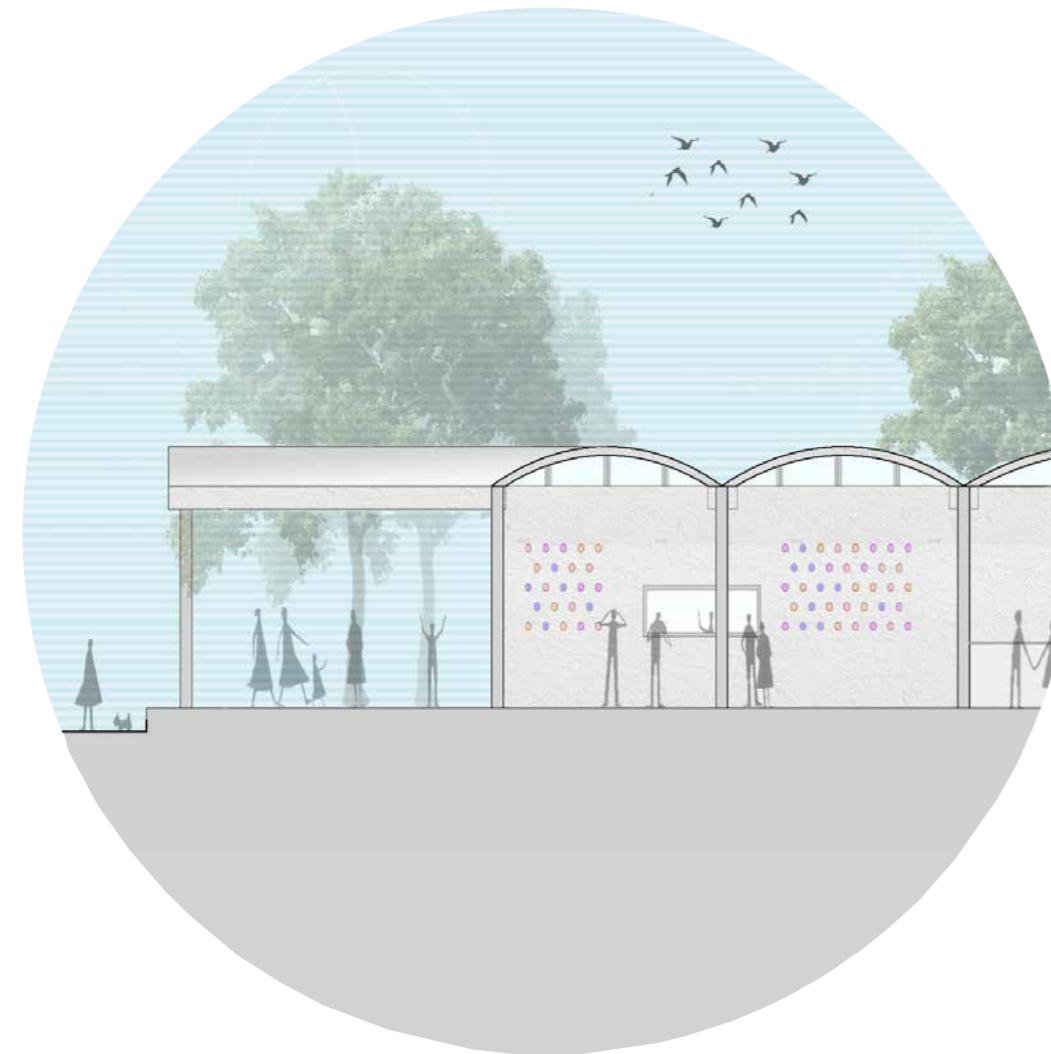
#### LEGEND

- 1 - BUS TERMINAL ADMIN ROOM
- 2 - TICKET COUNTER
- 3 - RETAIL SHOP
- 4 - INTRACITY BUS PLATFORM
- 5 - INTERCITY BUS PLATFORM
- 6 - BUS WAITING AREA
- 7 - LOCKERS
- 8 - WASHROOMS
- 9 - BUS PARKING
- 10 - PETROL PUMP
- 11 - BUS SERVICE AREA
- 12 - ELECTRIC CHARGING POINT FOR BUS
- 13 - FOOD COURT
- 14 - BIGGER SHOPS
- 15 - TEMPORARY RETAIL SHOPS
- 16 - FLEA MARKET

0 25 50 75 125m







# R A S O I

*Sirohi, Sheogarj, Rajasthan*

*Public Space*

*Semester 05*

*Studio Mentors : Pedaparthi Shweta | Gouthama DM*

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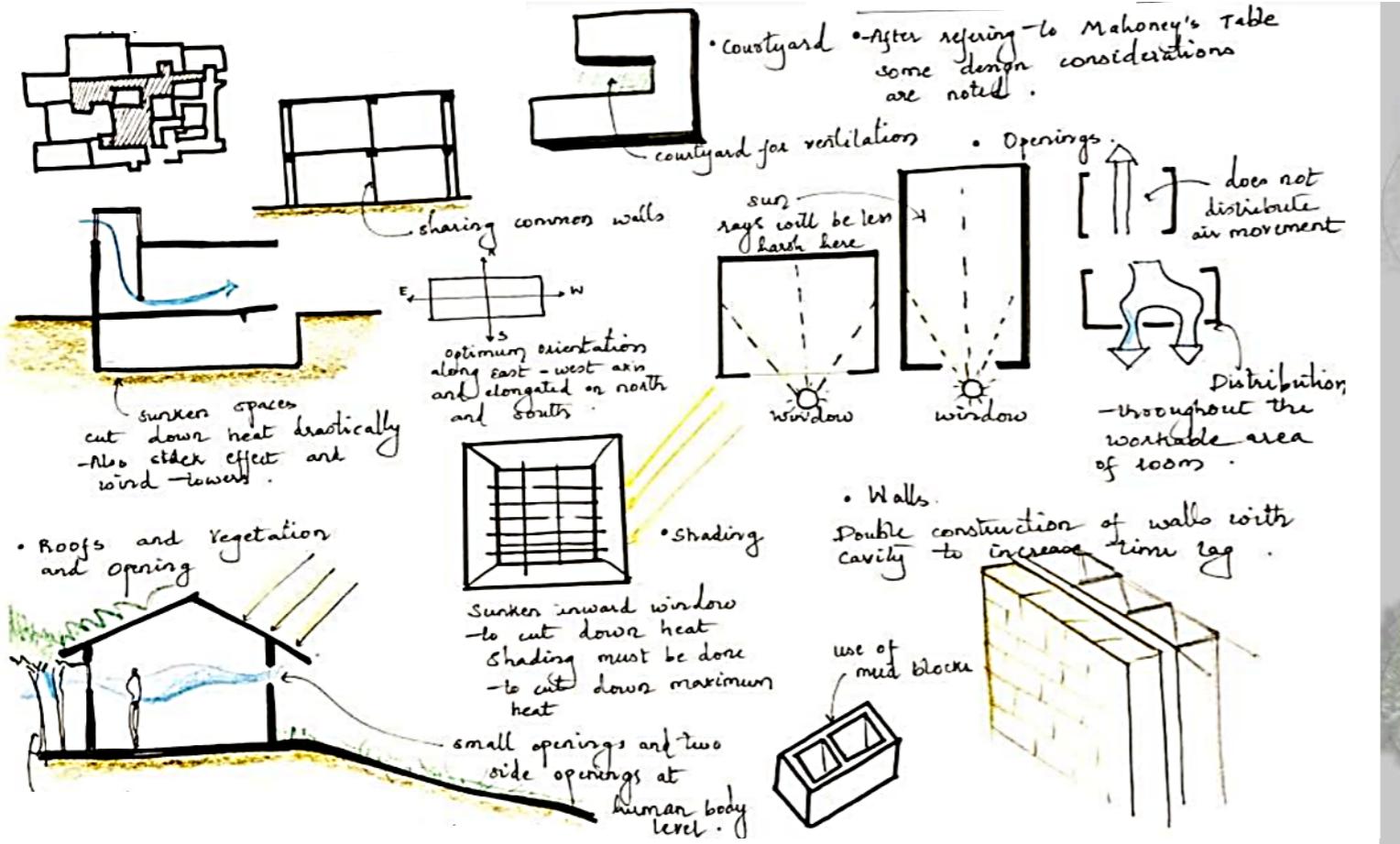
This studio attempts to look at alternate / unconventional materials to design a public space. There is no specific site given.

Area : 300 sq.m

The intend is to bring people back in the community and educate them about their strong culture, food styles. To bring back the real time connection between the users and also to facilitate workshops and learning. This set up also enhances the awareness about the environment through building language and involves the user in making the same. This setup is collectively also bringing different age groups as this space could be a buffer for various activities carried along the way.

The intend is also to have a public restroom because the site links/ connects to various other activity zones.

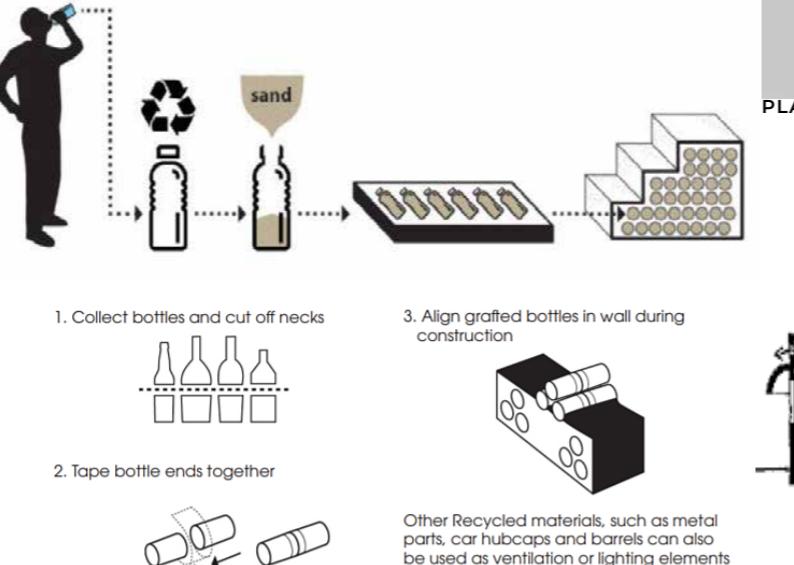
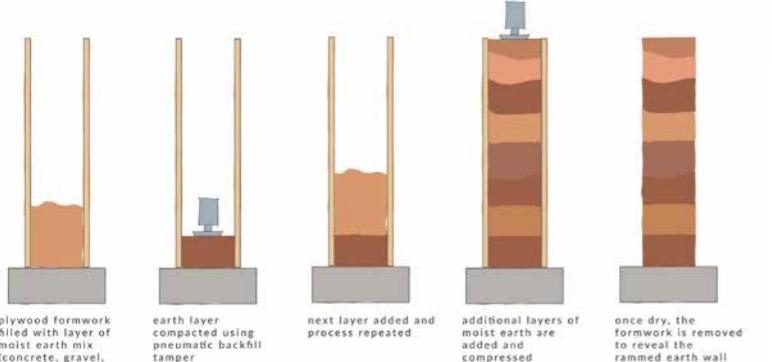
The food made here—could serve as a learning community kitchen, a restaurant and also as service to mandir, hospital and school.



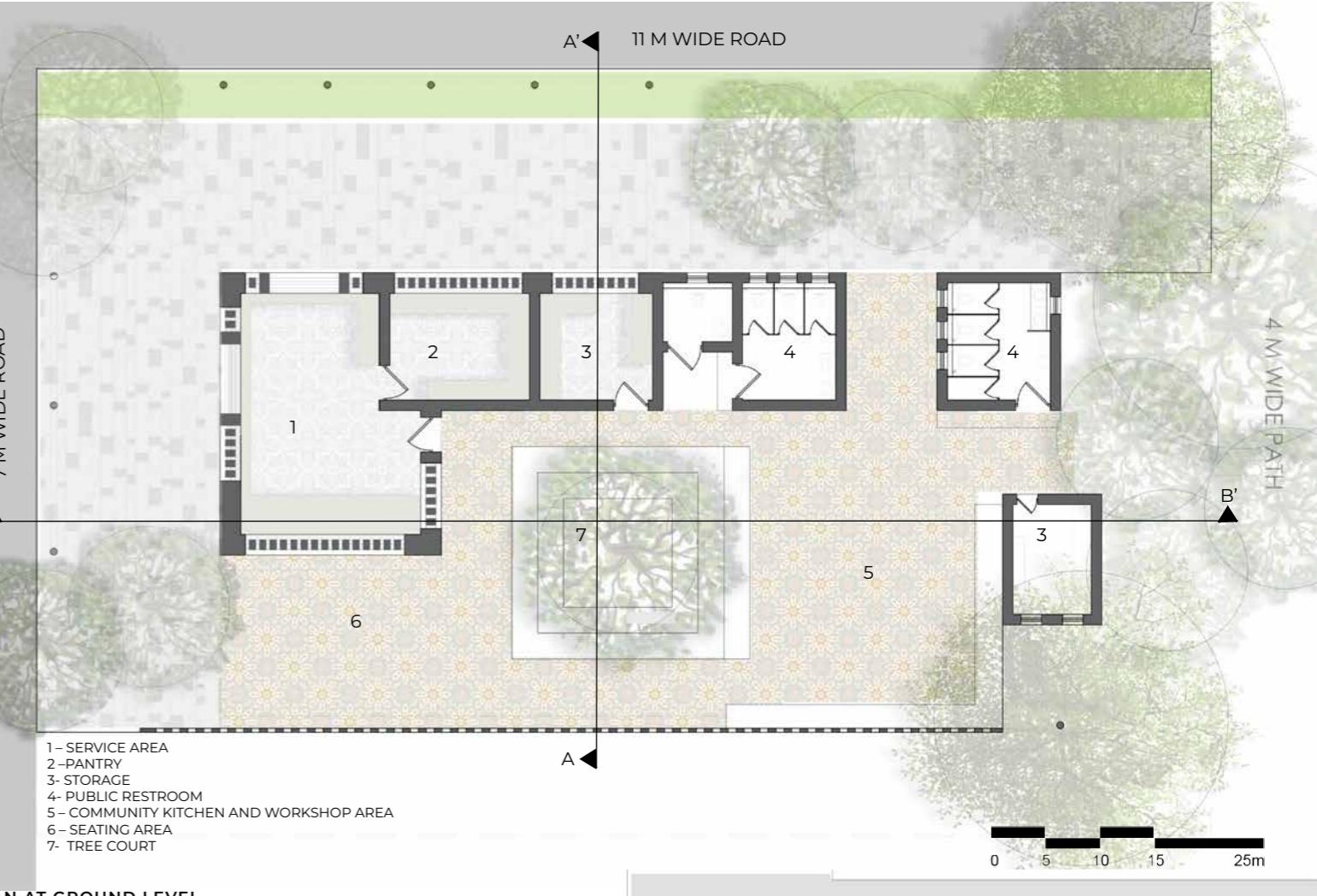
## WALL

### MATERIAL : Rammed Earth Bottle wall

Rammed earth is a technique for constructing foundations, floors and walls using natural raw materials such as earth, chalk, lime or gravel. It is an ancient method that has been revived recently as a sustainable building method.



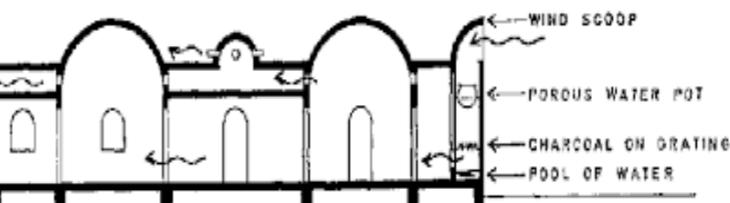
Other Recycled materials, such as metal parts, car hubcaps and barrels can also be used as ventilation or lighting elements that provide some security.



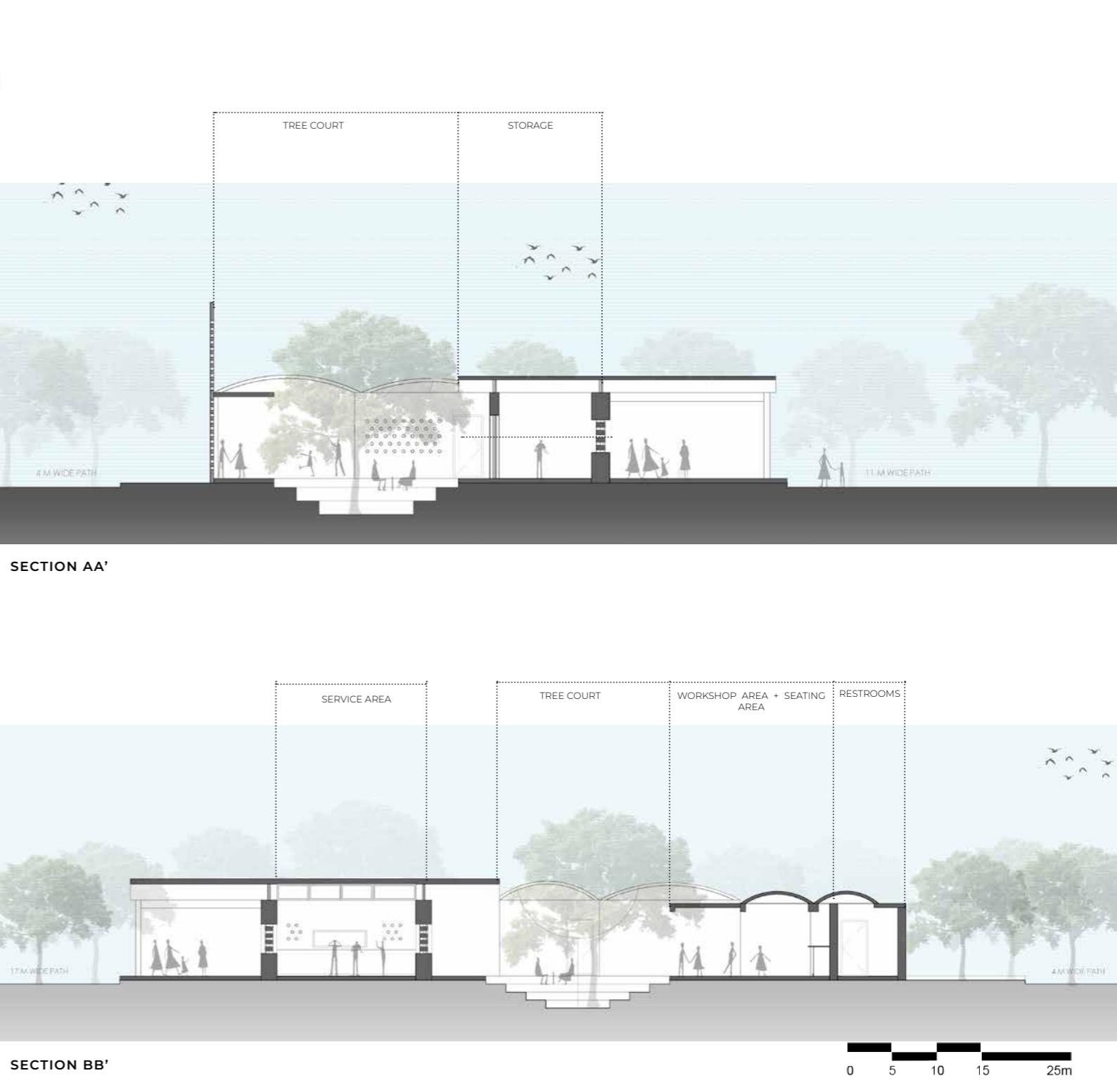
PLAN AT GROUND LEVEL

## ROOF

### Vaulted Roof



PLAN AT ROOF LEVEL



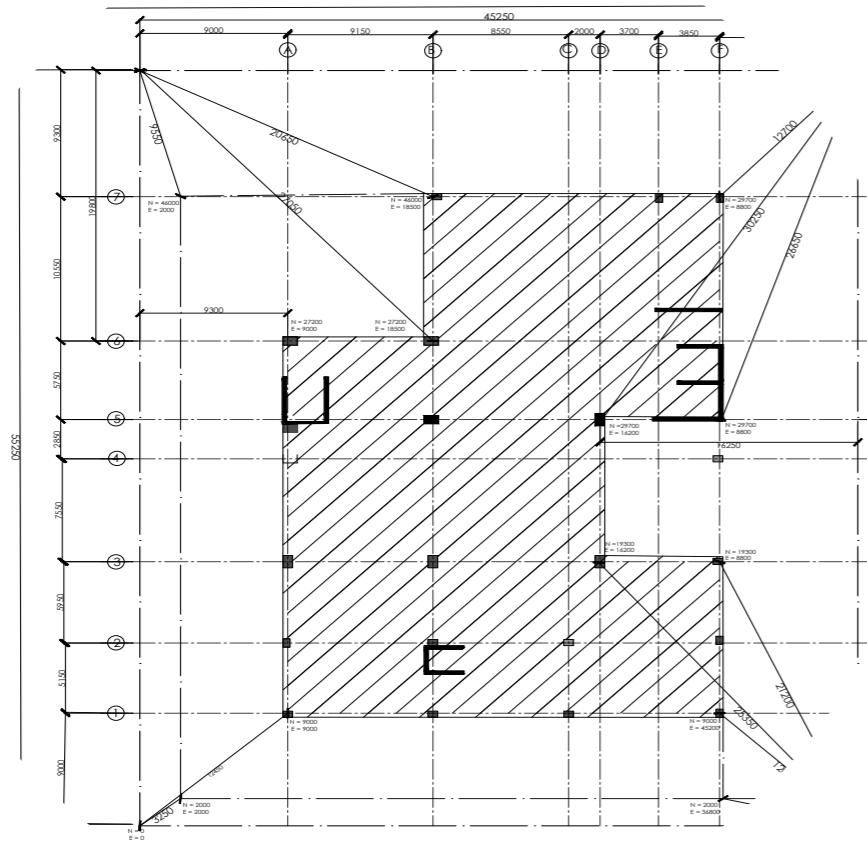
06

# WORKING DRAWING

Bangalore, Karntaka

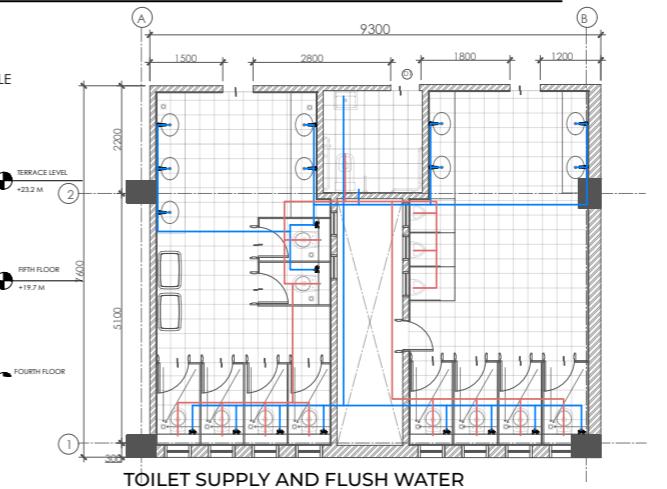
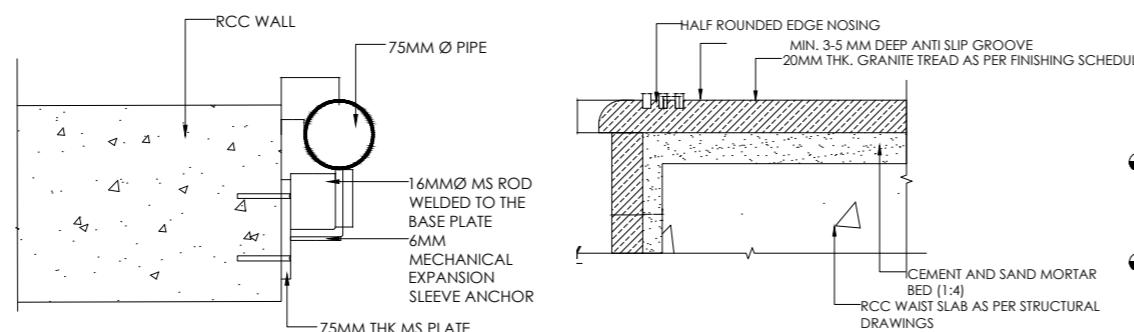
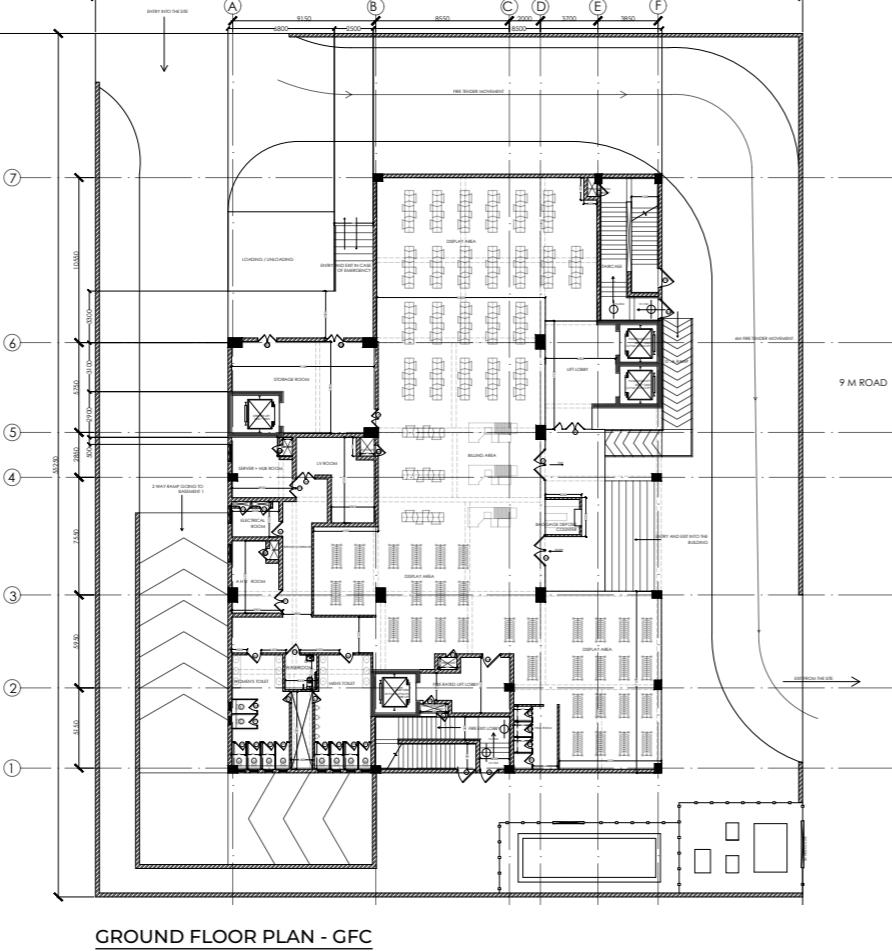
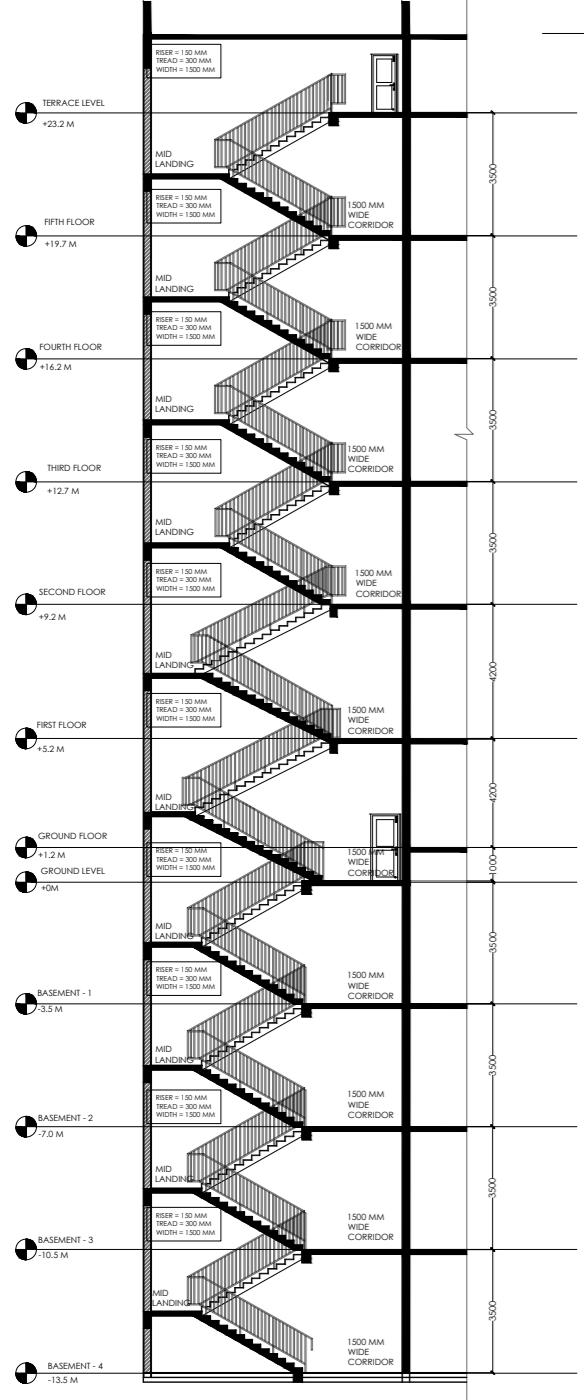
Semester 05 & 06

Studio Mentors : Anupriya Saxena | Ramya Krishna

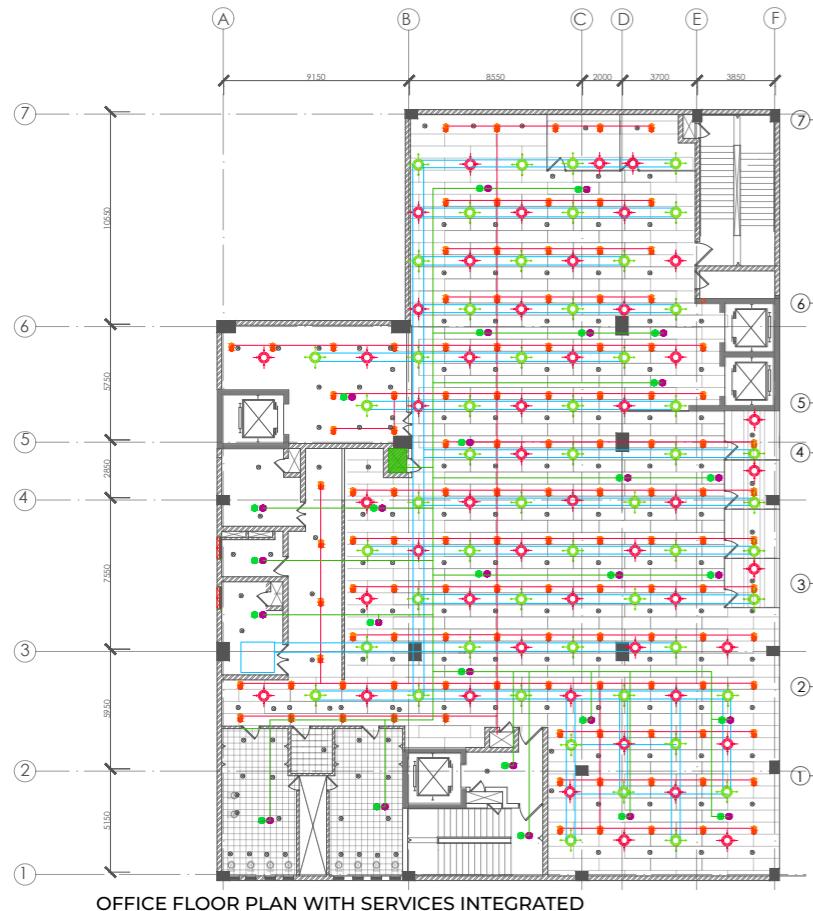


The project is a commercial building where the bottom two floors are for retail and the upper floors for office. The buiding was carefully designed and calculated using NBC 2016 rules and regulations and Bangalore By-laws.

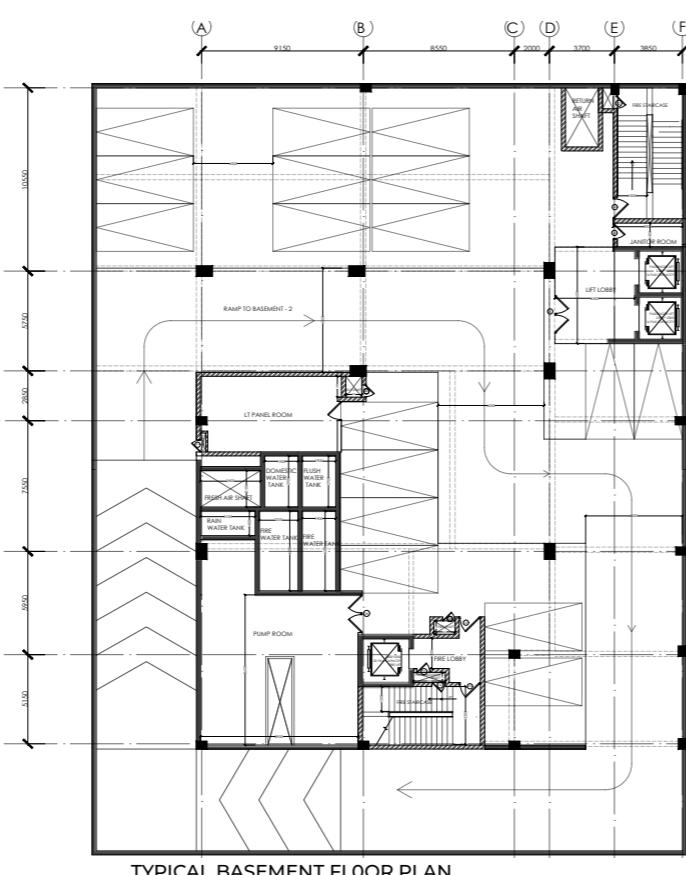
Complete set of civil drawings, architectural drawings and MEP drawings such as HVAC, lighting, plumbing and FPS drawings were produced by the end of the studio.



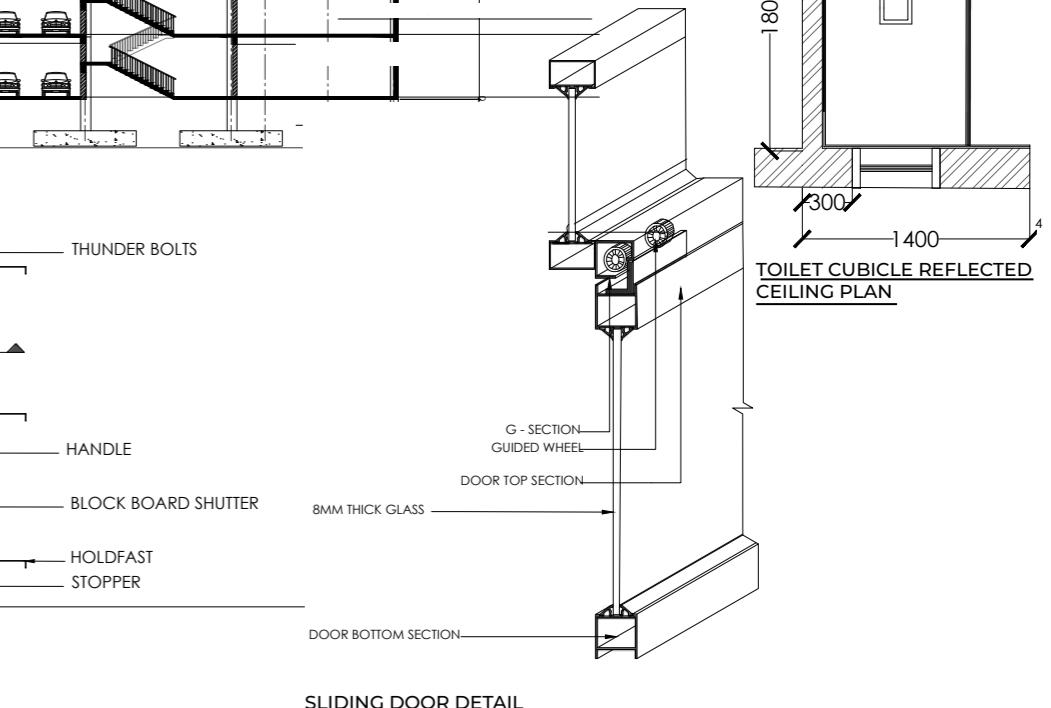
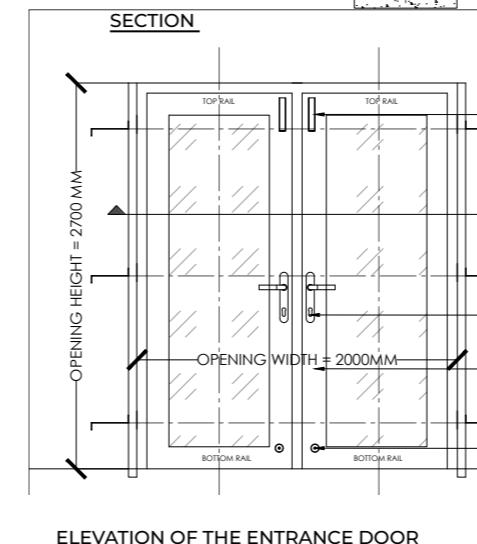
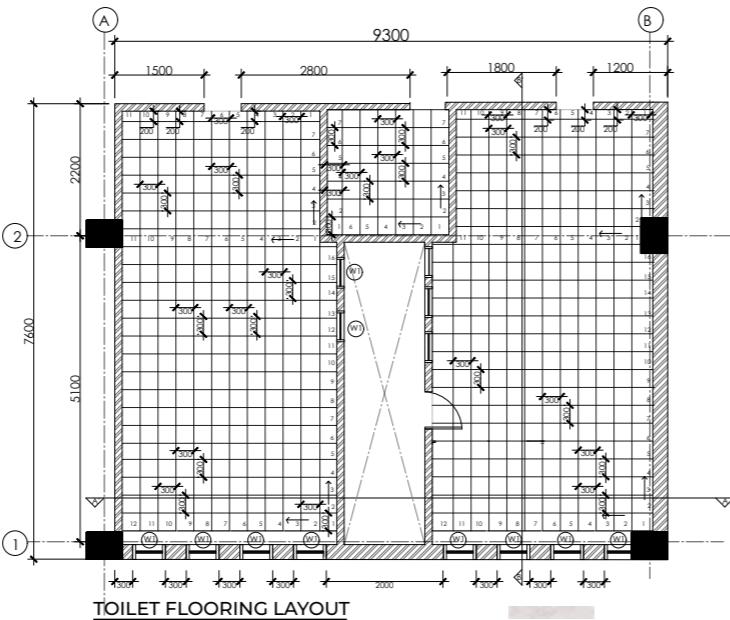
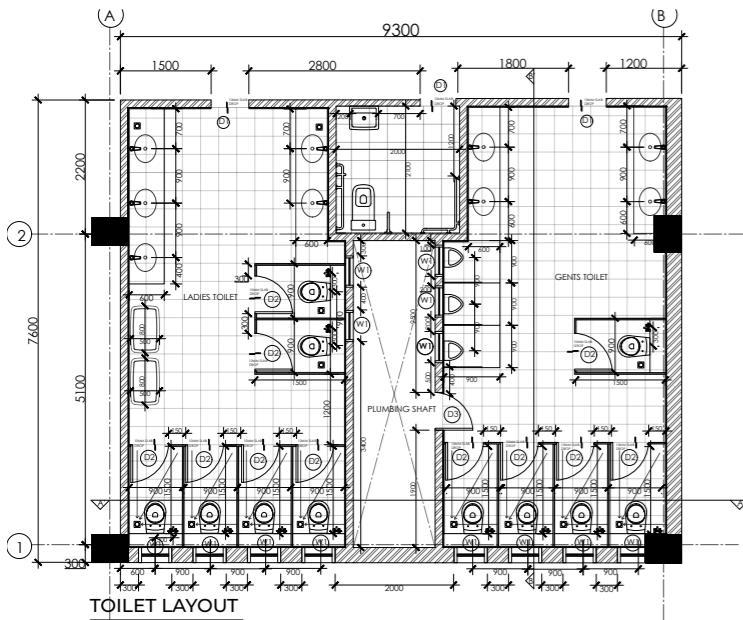
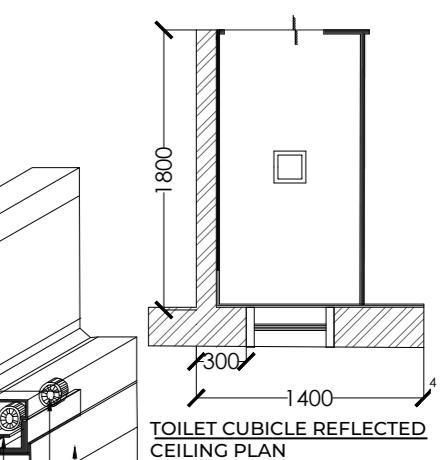
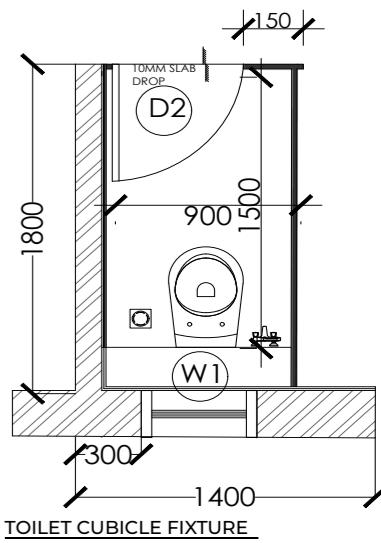
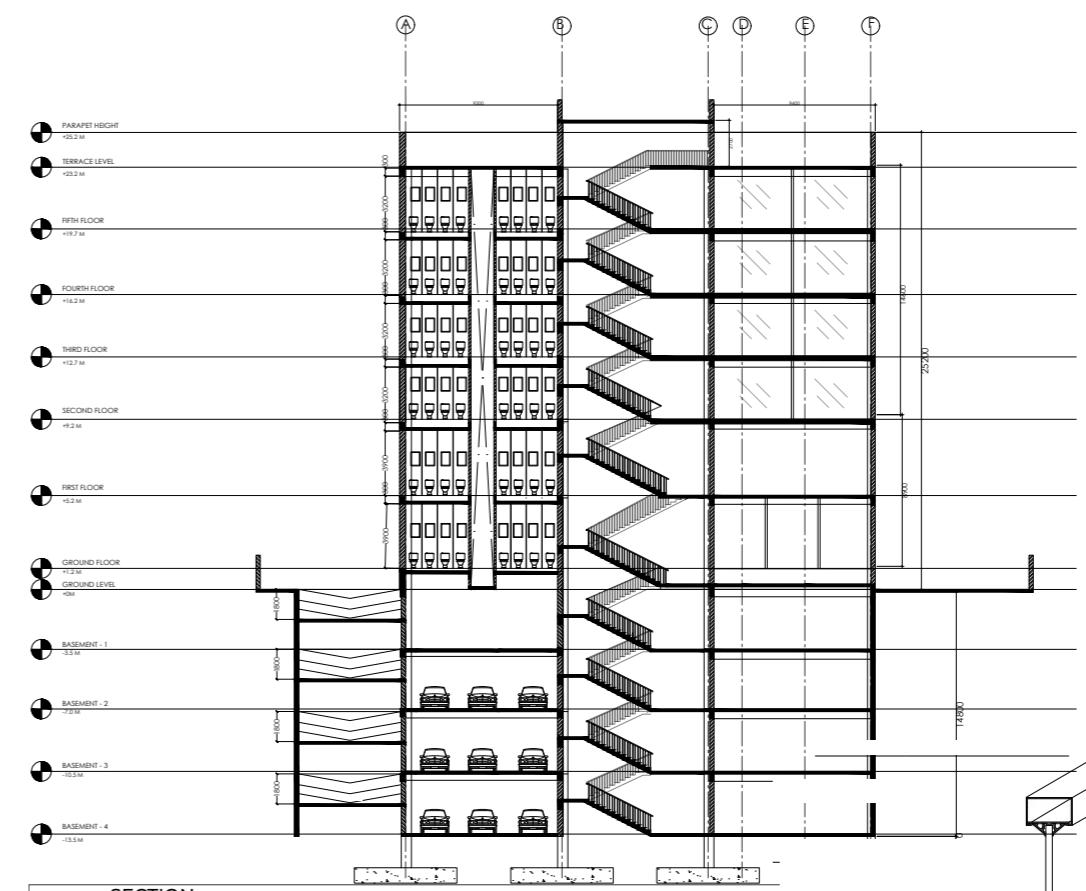
DRAWINGS NOT TO SCALE

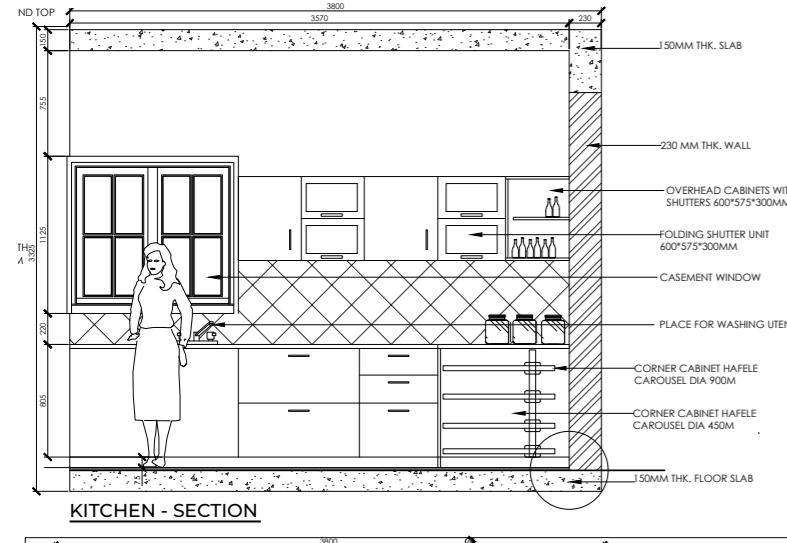


**OFFICE FLOOR PLAN WITH SERVICES INTEGRATED**

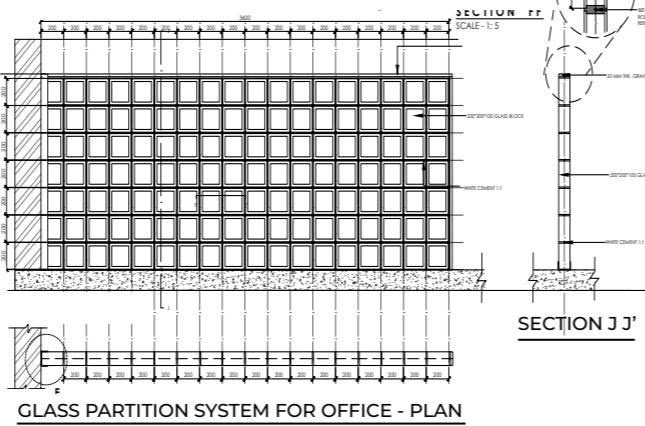


**TYPICAL BASEMENT FLOOR PLAN**



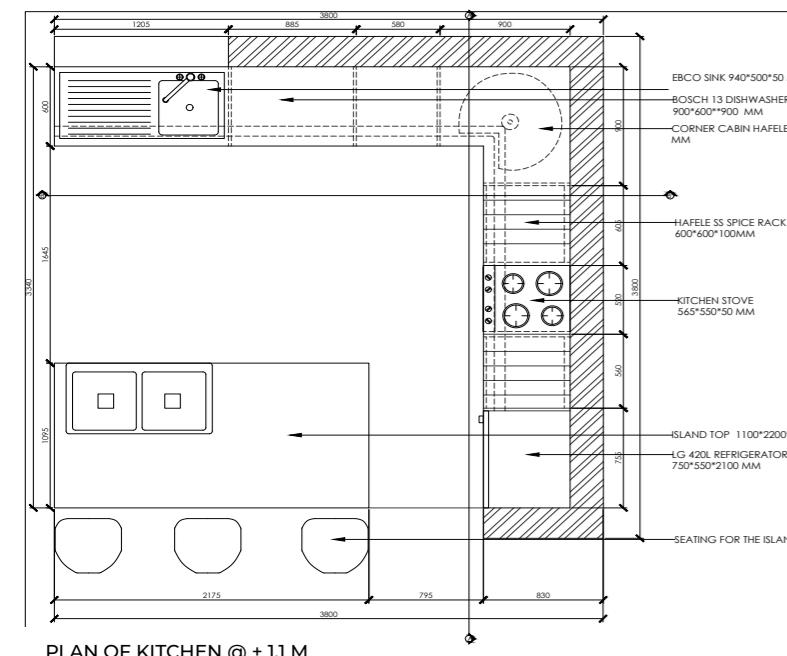


## **GLASS PARTITION SYSTEM FOR OFFICE - ELEVATION**

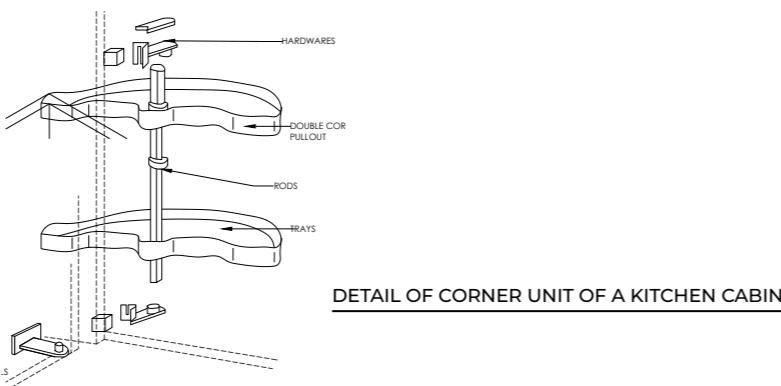


## GLASS PARTITION SYSTEM FOR OFFICE - PLAN

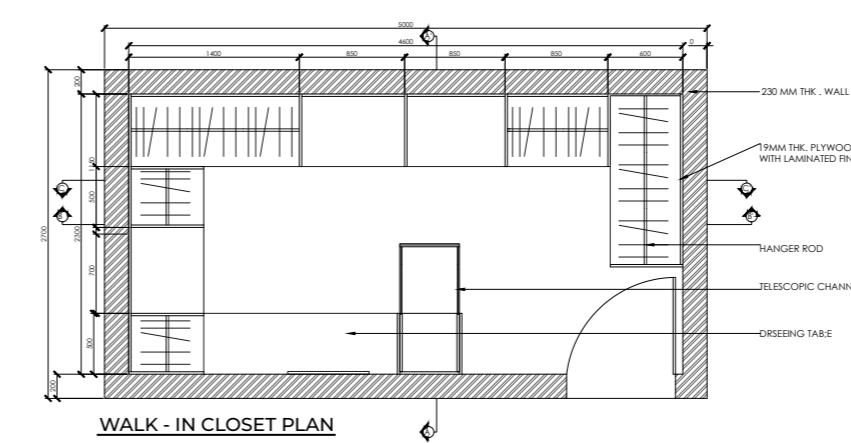
SECTION J:



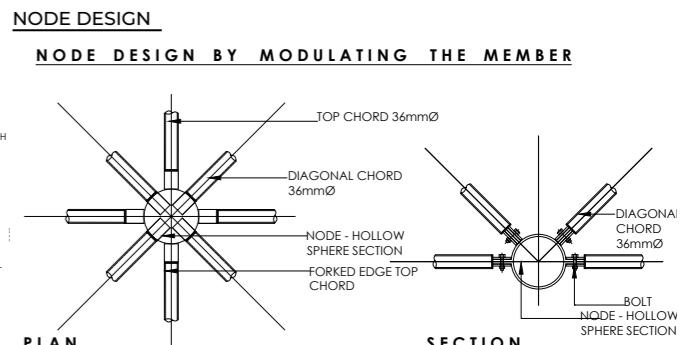
## PLAN OF KITCHEN @ + 1.1 M



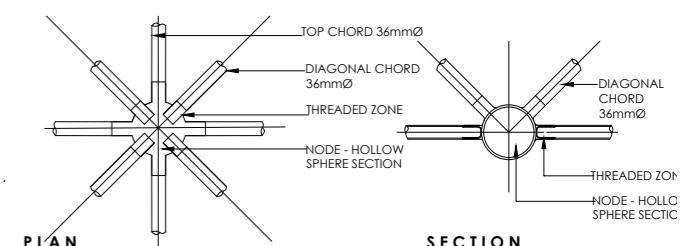
#### DETAIL OF CORNER UNIT OF A KITCHEN CABINET



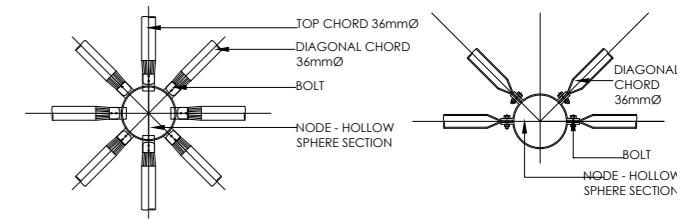
## WALK - IN CLOSET PLAN



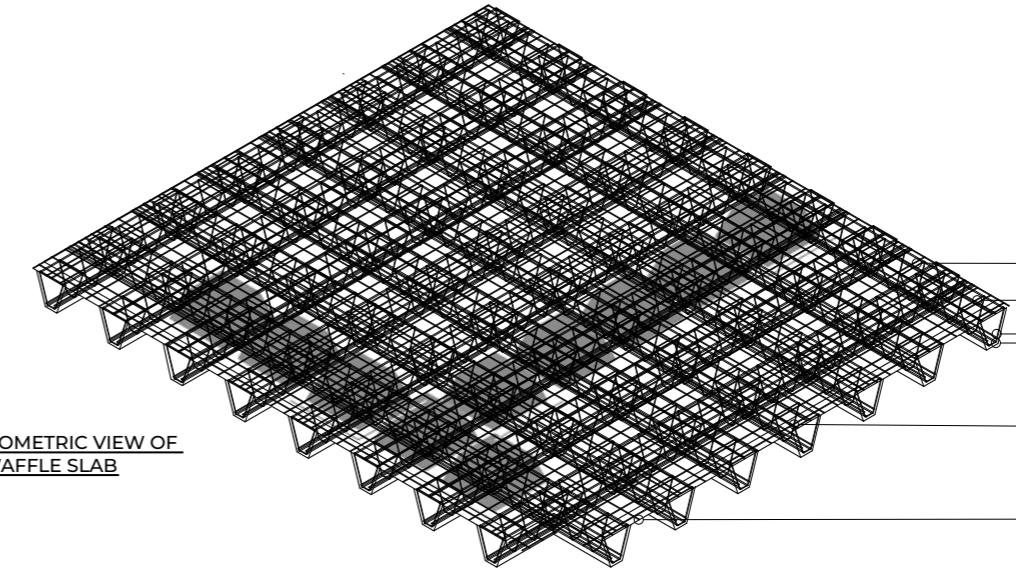
## PLAN SECTION NODE DESIGN BY MODULATING THE NODE



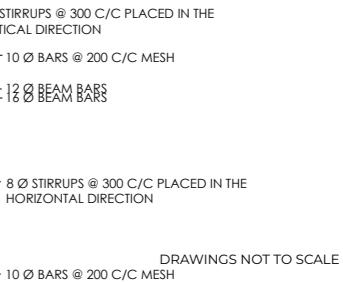
## PLAN | NODE DESIGN BY BOLTING



## PLAN



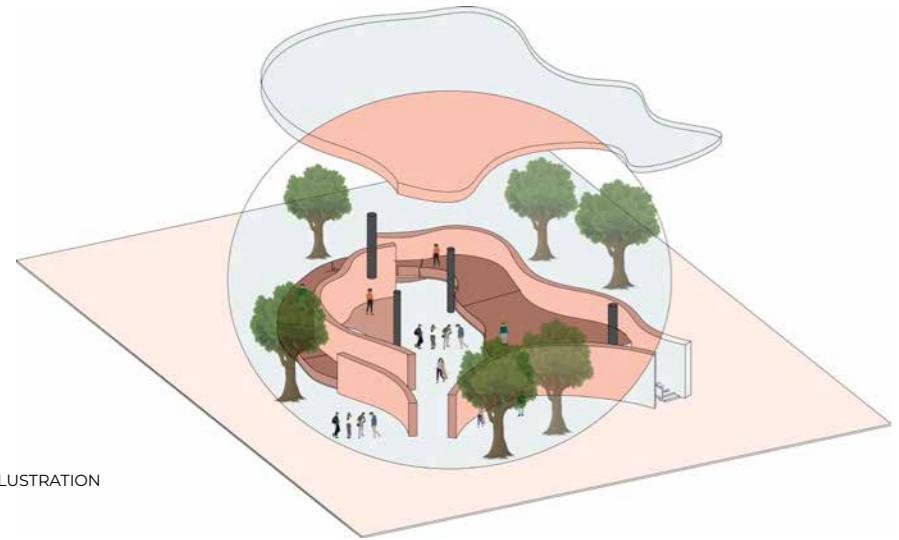
### ISOMETRIC VIEW OF WAFFLE SLAB



**07**

**M I S C E L L A N E O U S**





ILLUSTRATION



OBJECT MODELLING AND RENDERING ON BLENDER



ACRYLIC PAINTING



**AHMED SHAH'S MOSQUE  
AHMEDABAD**

**HISTORY POSTER - HAND DONE**

**SECTIONAL ELEVATION**

**PLAN**

**AHMED SHAH'S MOSQUE, ALSO KNOWN AS SHARIF-JAM-E-MASJID OR JUMA MASJID, IS THE OLDEST MOSQUE OF AHMEDABAD, INDIA.**

**AFFILIATION : ISLAM**

**LOCATION : AHMEDABAD**

**MUNICIPALITY : AHMEDABAD MUNICIPAL CORPORATION**

**STATE : GUJARAT**

**TYPE : MOSQUE**

**STYLE : ISLAMIC**

**FOUNDER : AHMED SHAH - I**

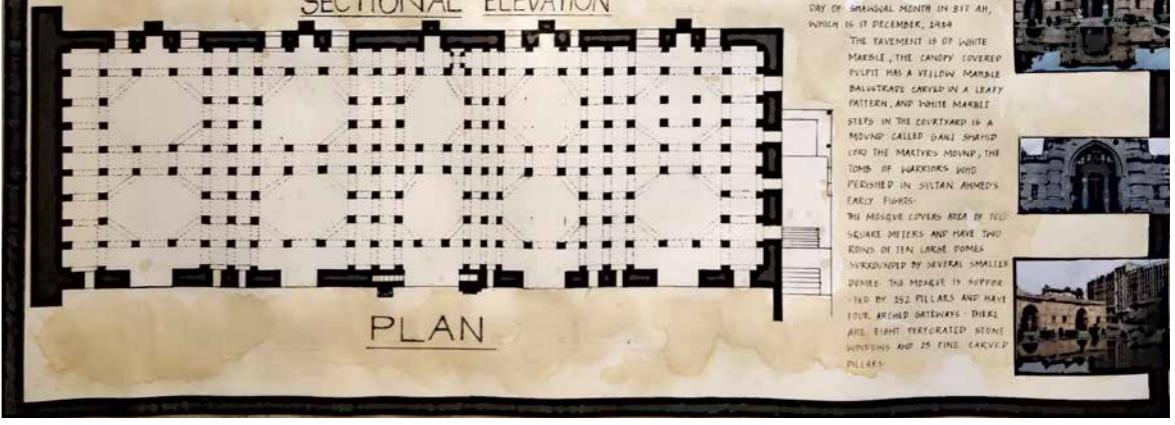
**COMPLETED : 1414**

**HISTORY AND ARCHITECTURE**

The mosque was erected by the founder of Ahmedabad, Ahmed Shah-I, in 1414. It is said to have been used as the royal household's private mosque. According to the inscription at the upper part of the central minaret, the foundation date seems to be the 4th day of Shaban month in 817 AH, which is 17 December, 1414.

The pavement is of white marble, the canopy covered pulpit has a yellow marble balustrade carved in a leafy pattern, and white marble steps in the courtyard is a mound called Dari Sharif (or the martyrs mound), the tomb of warriors who perished in Sultan Ahmed's early wars.

The mosque covers area of 700 square meters and have two rows of ten large piers surrounded by several smaller domes. The mosque is supported by 552 pillars and have five arched gateways. There are eight perforated stone windows and 25 fine carved pillars.



**LOCAL ROOTS**

HI-TECH CITY, HYDERABAD

The main idea of the public place is to create a space for reading, story telling and archiving.

The public place tends to show the relation between the past and the present and how it holds everything together.

The whole process resulted in the creation of a space which acts like a beacon in the neighbourhood. The plan highlights the free flowing space which almost looks like as if it is emerging from the landscape. The main conceptual idea was the creation of a spine which plays with the surrounding by giving interior views at certain points whereas giving exterior views at some other places.



PHOTOSHOP POSTER DESIGN

**TANA GAZAANA**

The client is a couple who are chefs and love travelling and gardening. They have an interest in the cuisine of the western coast and would like to revive their cooking methods. The house to them is a place where they can experiment with the cooking and also sell it at the same time, explore various places, and also do gardening at the same time. The tiny house has been designed in such a way that it can appear anywhere and still function as a vending place as well as a dwelling for the two people.

Location- Kochi, Kerala, India

Travel route- Western Coast of India



## CALCULATIONS

Table No. 1 (Data sheet) Estimation of water use in Institutional building

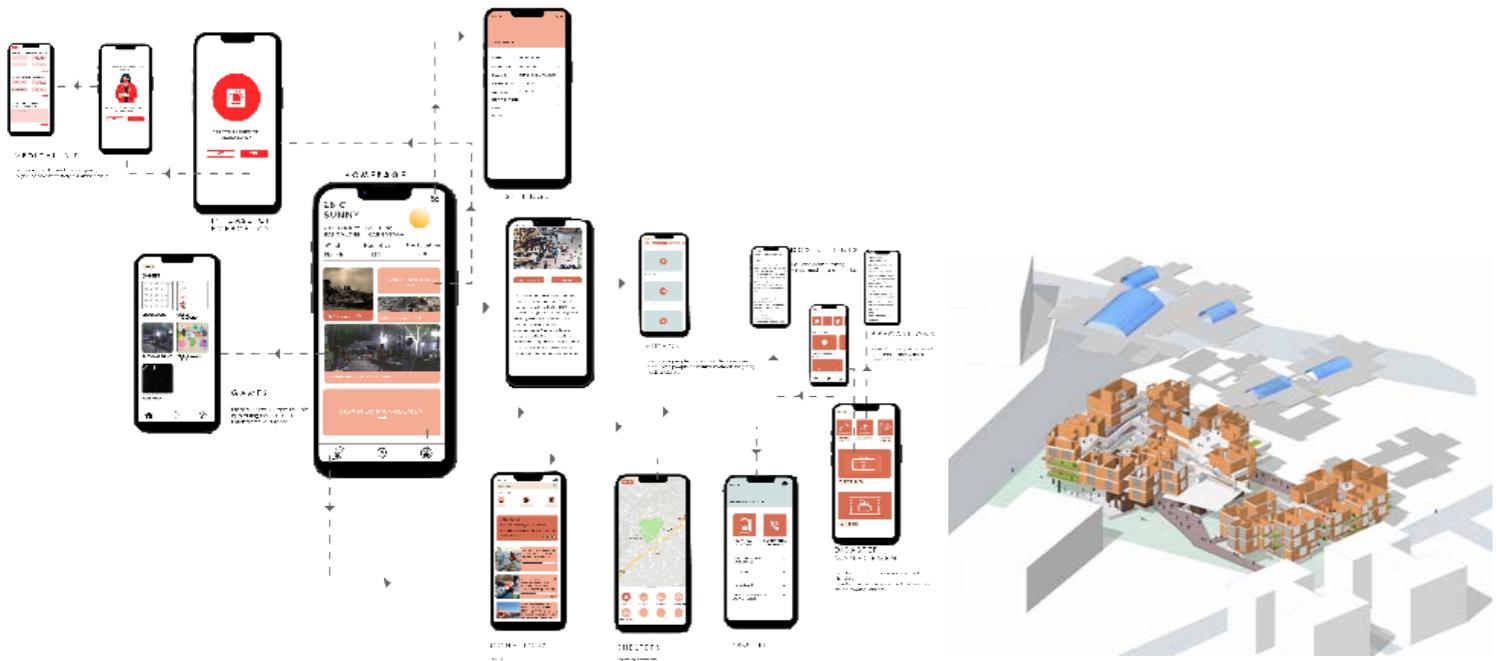
No. of users\* (In case of Water closets and urinals) - number of usage per person / per day  
No. of users\* (In case of faucets) - duration of use \* number of usage per person / per day

Please specify Total Building occupancy, female occupants, male occupants.

Present design case	Building occupancy (x)	40	20	Working days	200
	Fixtures	No. of fixtures	Flow rates (lps/lpm)	No. of uses *	Water Consumption
1	Water Closets (solids)	4	4	0.35	56
2	Kitchen Faucets	2	4	1.25	200
3	Water Closets (liquid)	4	2	31240	
4	Urinals/Waterless urinals	2	2	3120	
5	Showers	4	4	5.5	1320
6	Lavatory faucets(Wash basins)	3	1.89	1.89	4
7	Lavatory faucets(Wash basins)	4	1.89	3.75	283.5
8	Water Closets (liquid)	4	2	4	283.5
9	Water Closets (solids)	4	4	1160	
	Daily water consumption (l)			2806.64	
	Annual water consumption (l)			561328	

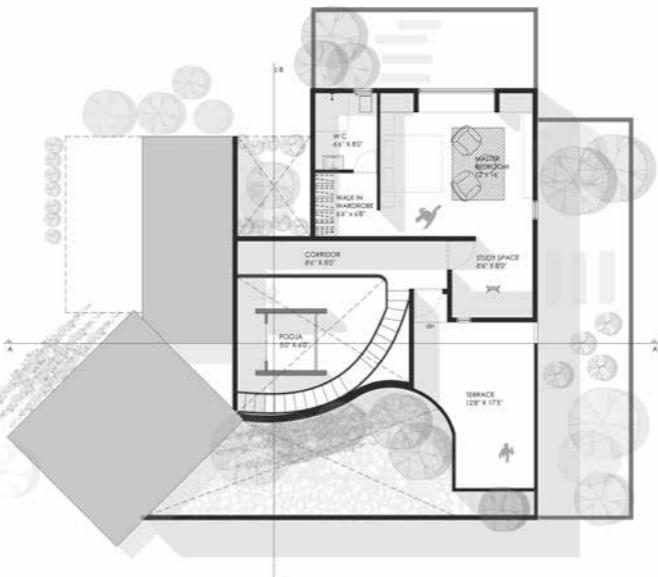
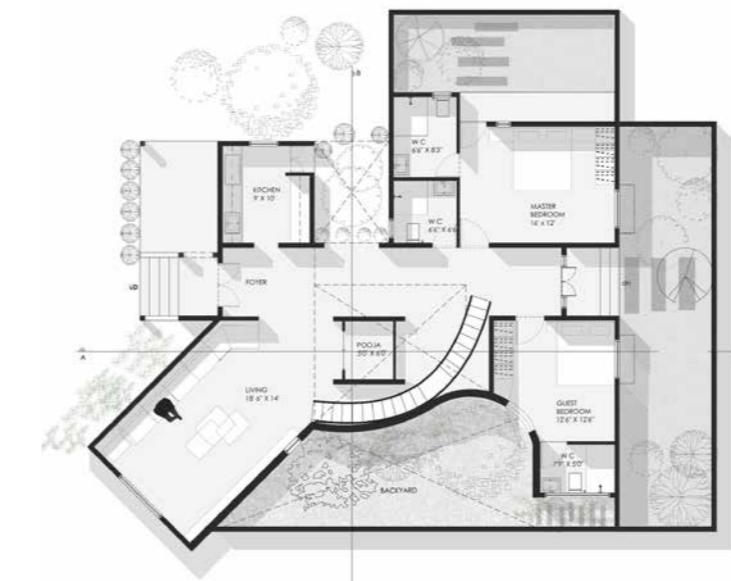
Base case	Building occupancy	40	Working days	365	
	Fixtures	No. of fixtures	Flow rates (lps/lpm)	No. of uses *	Water Consumption
1	Water Closets (solids)	8	6	1	240
2	Kitchen Faucets	2	8	3	960
3	Water Closets (liquid)	8	3	5	600
4	Urinals/Waterless urinals	2	30	0	0
5	Showers	4	10	3	1200
6	Lavatory faucets(Wash basins)	7	8	3	960
	Daily water consumption (l)			3960	
	Annual water consumption (l)			1445400	

Water use reduction (%) =  $\frac{[\text{Annual water demand (Base case)} - \text{Annual water demand (design case)}]}{\text{Annual water demand (Base case)}}$  Water use reduction : 29.1%



APP FRAMEWORK FOR SOLAR DEATHALON COMPETITION

## INTERNSHIP WORK



ARCHITECTURAL ILLUSTRATION

PLANS RENDERS FOR INSTAGRAM



MODEL VIEWS

# DISHITA GOEL

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