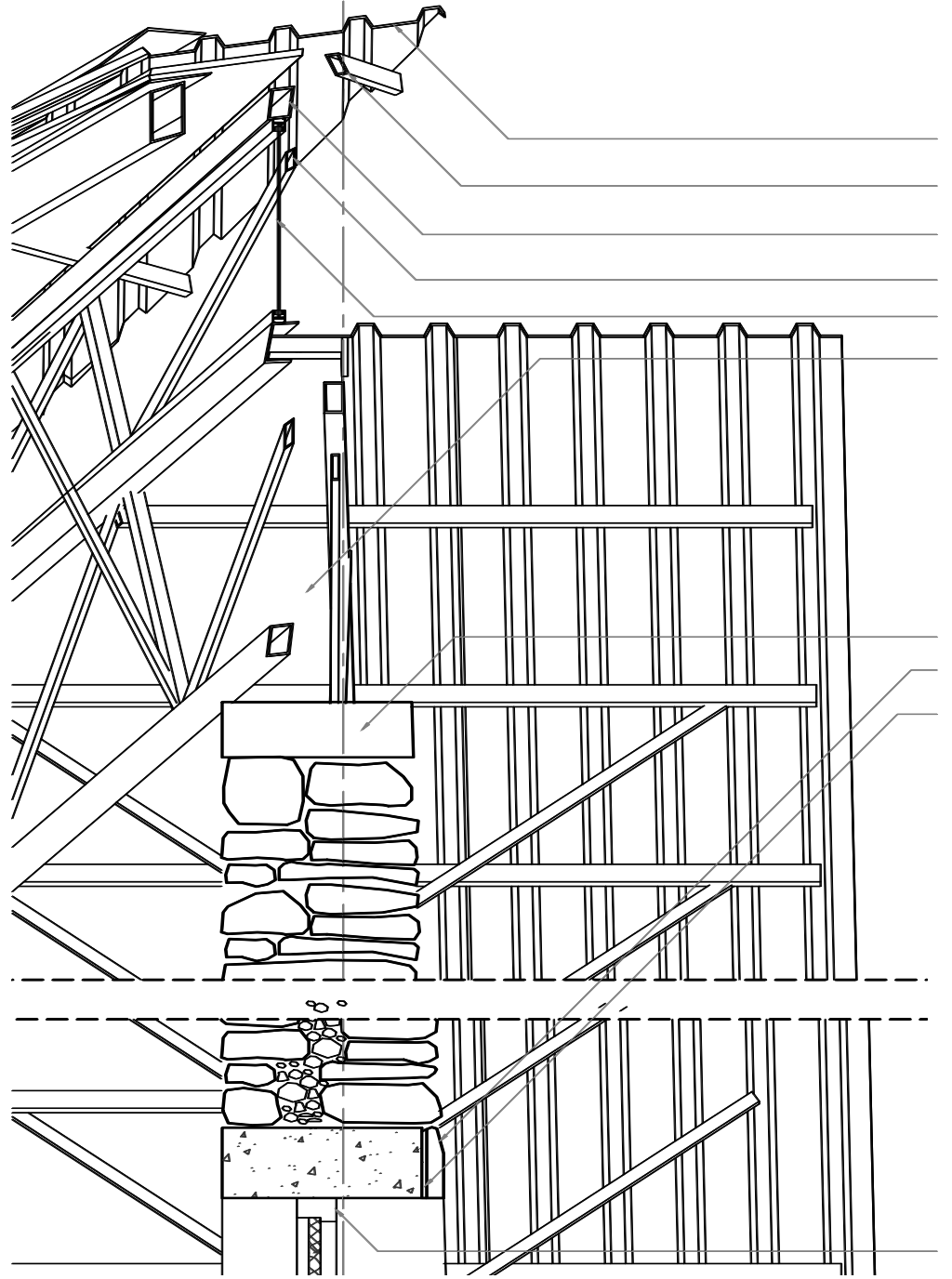


naureen  
feroz



professional  
portfolio

bachelor of  
architecture

2019-23

CEPT university, Ahmedabad  
ENSA La Vilette, Paris



## naureen sultana feroz

Architecture is born when one is not  
afraid to take a little risk...

**Birth:**  
31 December, 2001

**From:**  
Trivandrum, Kerala, India

**Languages:**  
English  
Malayalam  
Hindi  
French (A1)  
Korean (Beginner)

**Contact:**

+91 7593931666

naureen.ug190918@cept.ac.in  
naureensferoz@gmail.com

@naureen\_feroz

## education

- 2023 Exchange • Ecole Nationale Supereure d'architecture, La Villette  
Paris
- 2019-Present • CEPT University, Ahmedabad  
Gujarat
- 2017-2019 • SFS Public School and Junior College, Kottayam  
Kerala
- 2012-2017 • Holy Angels' School, Trivandrum  
Kerala
- 2004-2012 • International Indian School, Jeddah  
Saudi Arabia

## manual Skills

Hand Drafting

Model Making : All Boards, Mdf, Acrylic, Clay  
Laser Cutting

Sketching : Pencil, Pen, Charcoal, Kitta and Ink,  
Watercolors, Acrylic colors

Wood Work  
Metal Work  
Brick Work

## digital Skills

Drafting & 3D Modeling AutoCAD  
SketchUp  
Rhino  
Revit  
Blender

Rendering & Animation Enscape  
Lumion  
Blender

Graphics & Sketching Adobe Photoshop  
Adobe Illustrator  
Autodesk Sketchbook

Compilation Adobe InDesign  
Figma

## workshops

- 2022 May • Arches, Vaults, Domes - Earth Institute, Auroville  
Intensive Theory and Hands-on Building
- Jan-March • Natak Baazi  
CEPT Theater Club and Live Performance
- 2021 Dec • Fractals  
Takbir Fatima- Creating and rendering Fractal formation in Rhino  
and Photoshop
- May • Furniture Tectonics
- June • Blender Modeling and Rendering  
Kaarwan Design School
- 2020 June • Lock Unlock  
Competition of Prison Design

## interests

Calligraphy  
Sketching : Pencil, Pen, Charcoal, Kitta and Ink  
Painting : Watercolors, Acrylics, Knife Painting  
Travelling  
Photography

Reading

Clay Modelling  
Knitting

Theatre  
Dance  
Singing

Keyboards  
Travelling  
Driving and Skating : (Ice Skates, Skate board, Inline Skates)



# contents

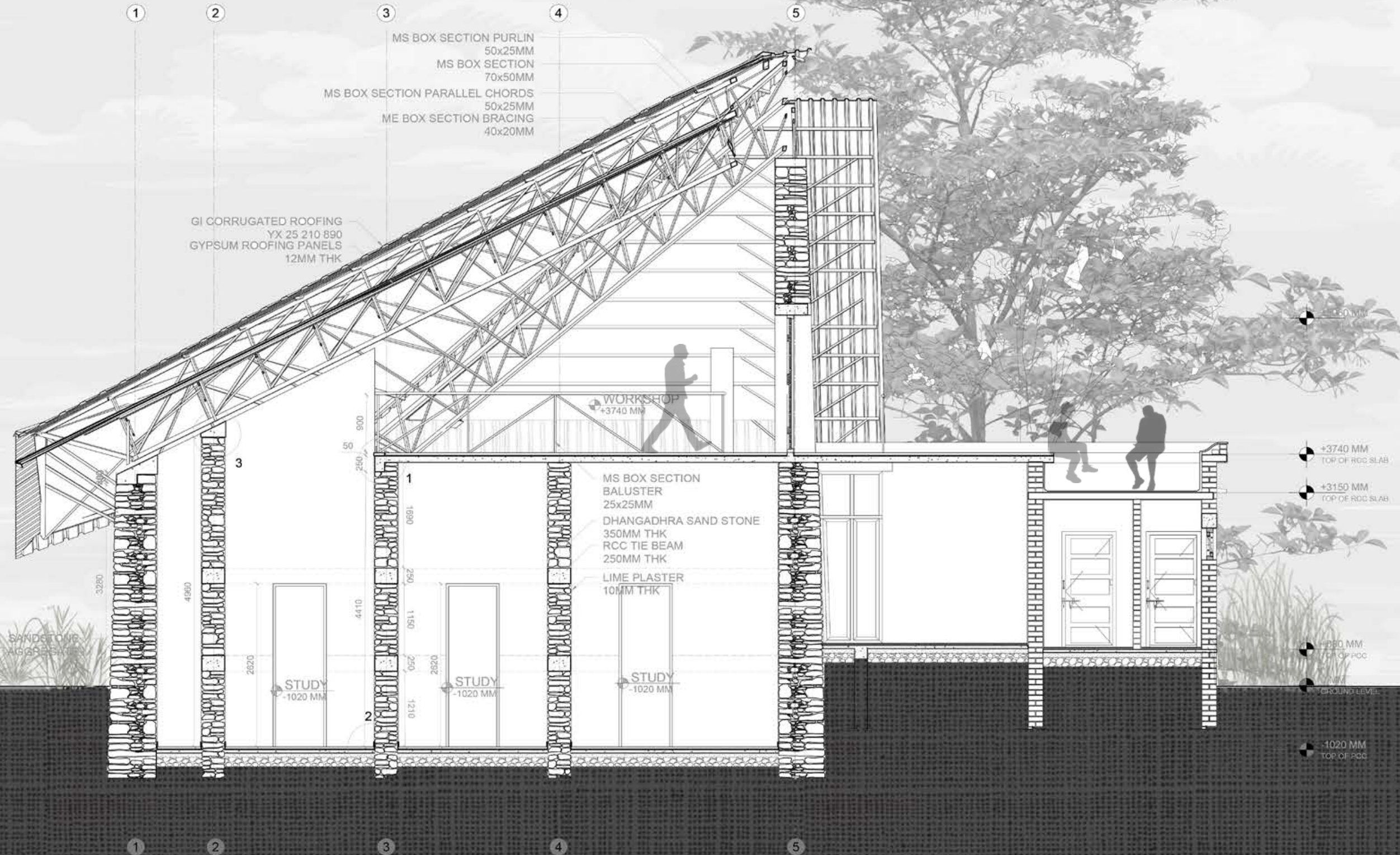
- 1 ● **inhabiting the walls**  
SEMESTER 5  
Designing and creating working drawings of a hand-loom workshop
- 2 ● **at the edge of the lake**  
SEMESTER 3  
Designing a house in a narrow plot at the edge of the lake
- 3 ● **inverse harmony**  
SEMESTER 8 - Exchange in Paris  
Artist's hotel in Montmartre, Paris
- 4 ● **inside out**  
SEMESTER 7  
Designing large scale housing scheme in Ahmedabad
- 5 ● **way of the water**  
SEMESTER 4  
Enhancing a life depriving space and designing a water pavilion
- 6 ● **castle over the cliff**  
SEMESTER 6  
Designing a Marine Ecology Center in Diu, Gujarat
- 7 ● **tensegrity pavilion**  
SEMESTER 8 - Exchange in Paris  
Designing a Marine Ecology Center in Diu, Gujarat
- 8 ● **furniture tectonics**  
SUMMER SCHOOL 2021  
Studying the tectonics of a furniture and redesigning in a new context
- 9 ● **lebbeus woods**  
SPRING 2021  
Studying an architects through their influences, visions and works
- 10 ● **more than architecture**  
PERSONAL WORKS  
Non academic works and interests

# in-between the walls

HAND-LOOM WORKSHOP

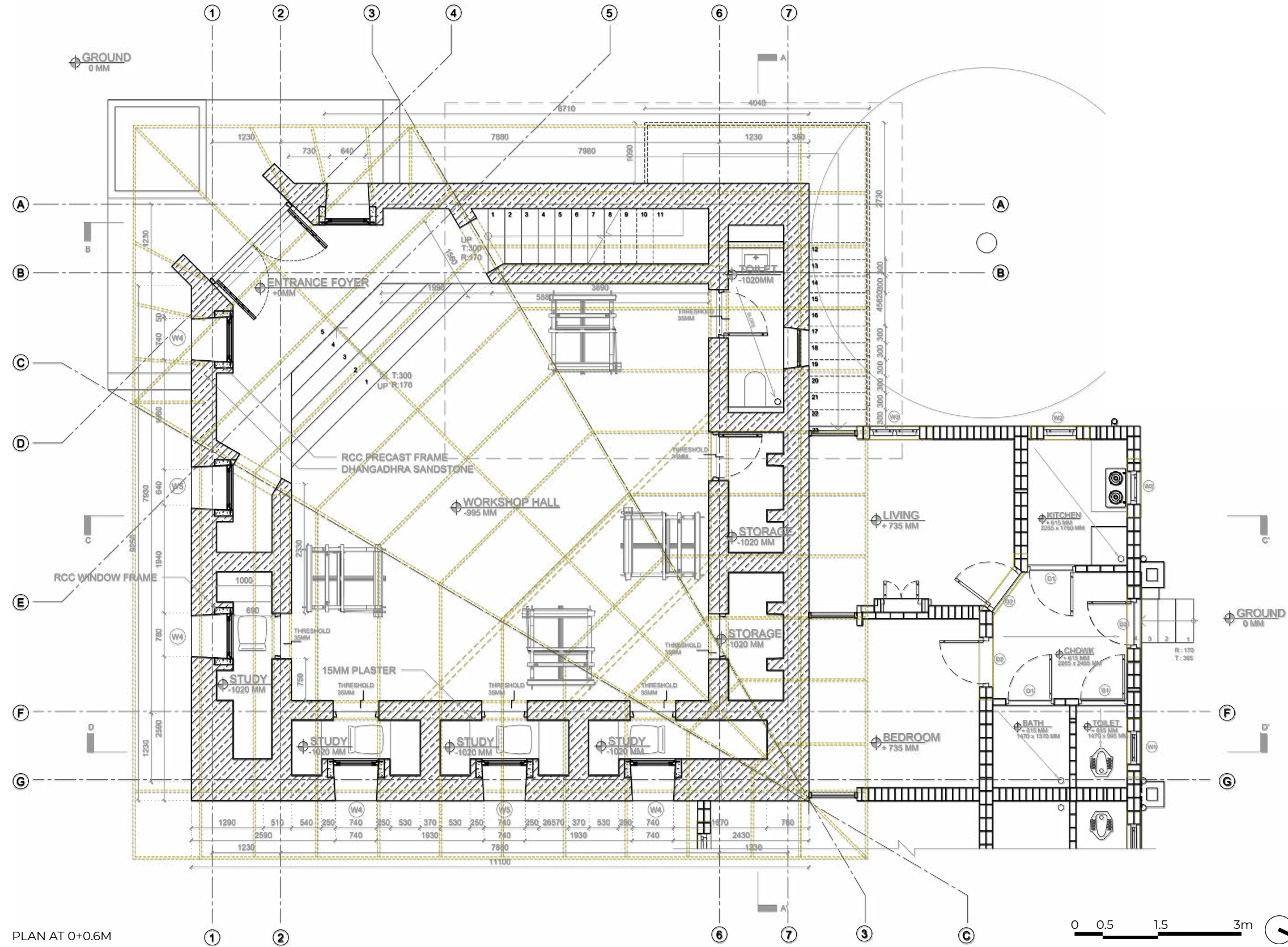
SPRING 2021 : SEMESTER 4  
LOCATION : KERALA, INDIA  
AREA : 120 SQ M

The hand-loom workshop is characterized by a large free space in the middle, the hall. Thick dhangadhra sandstone walls, further accentuated with the second layer of wall carving a space inside the 'wall' creates an opportunity to pack in services, staircases, and toilet. This, in turn, enables the building to have a clear uninterrupted space for the hand-looms.

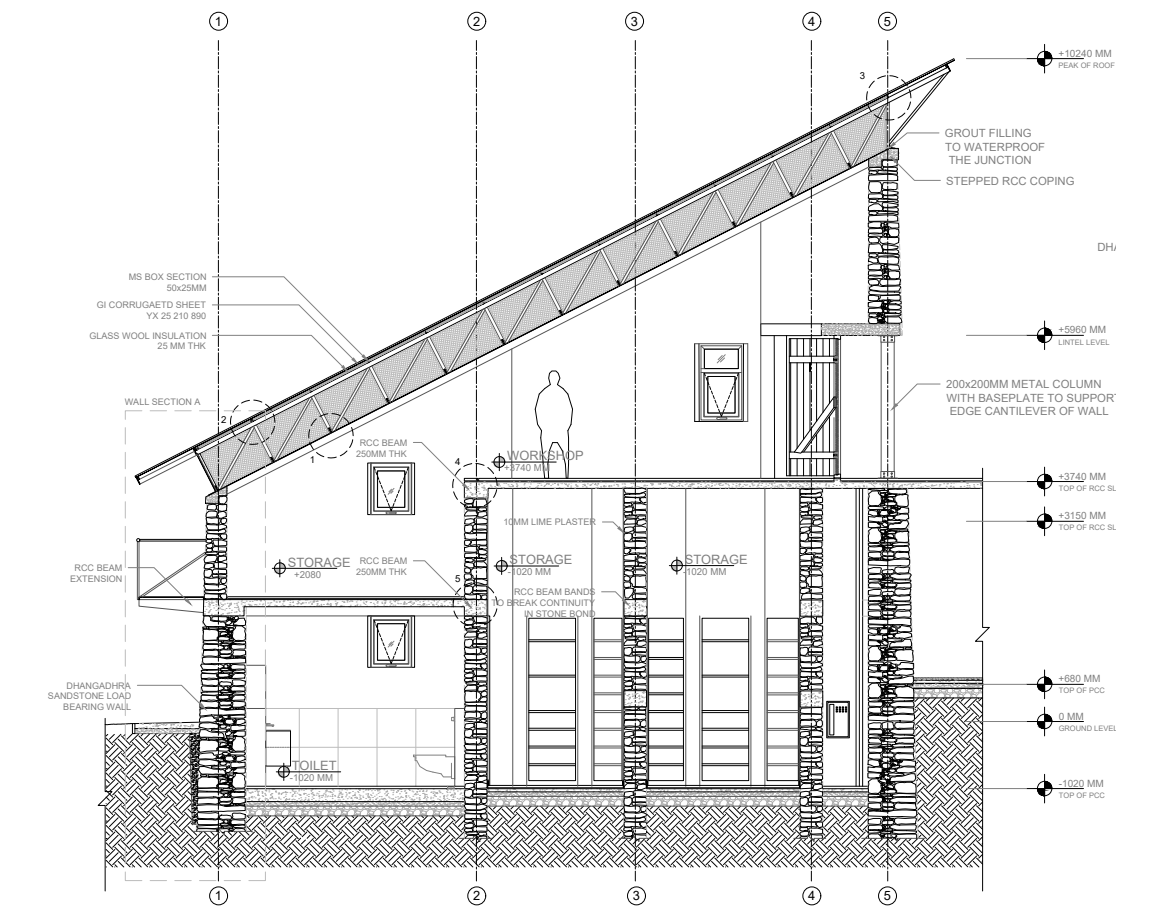


# WORKING DRAWINGS

Producing site ready drawings of the proposal of the hand-loom workshop. Plans, Sections, Details like door, window, staircase and toilet was designed and worked out.



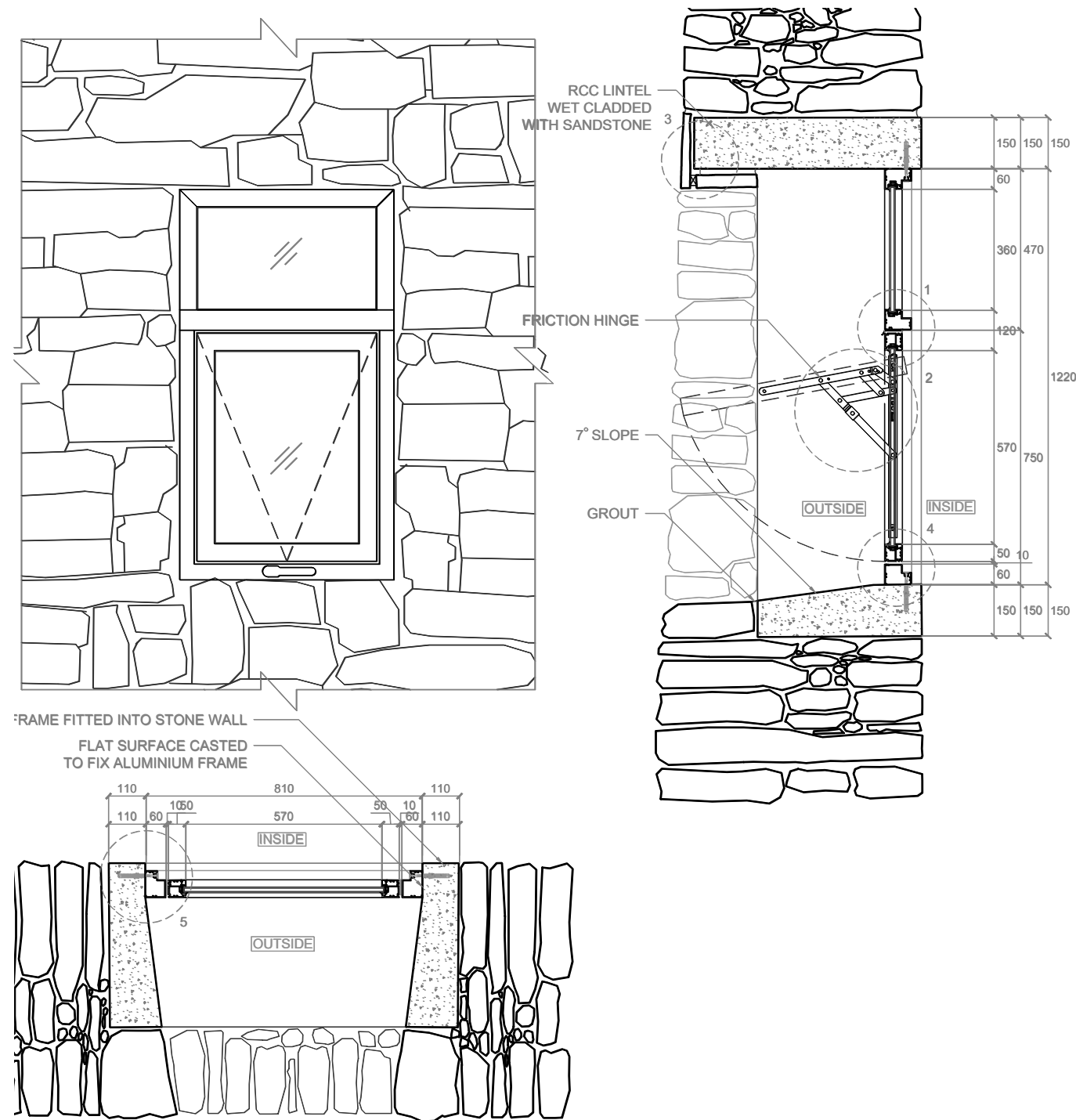
PLAN AT 0+0.6M



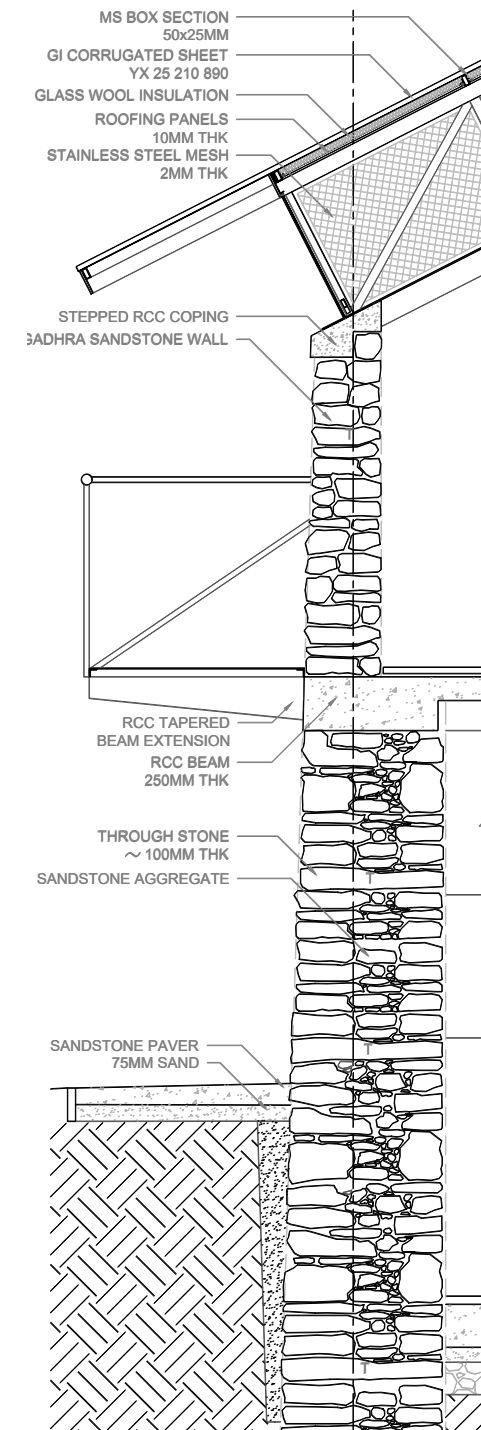
SECTION AA'

## LIKE BULLET HOLES

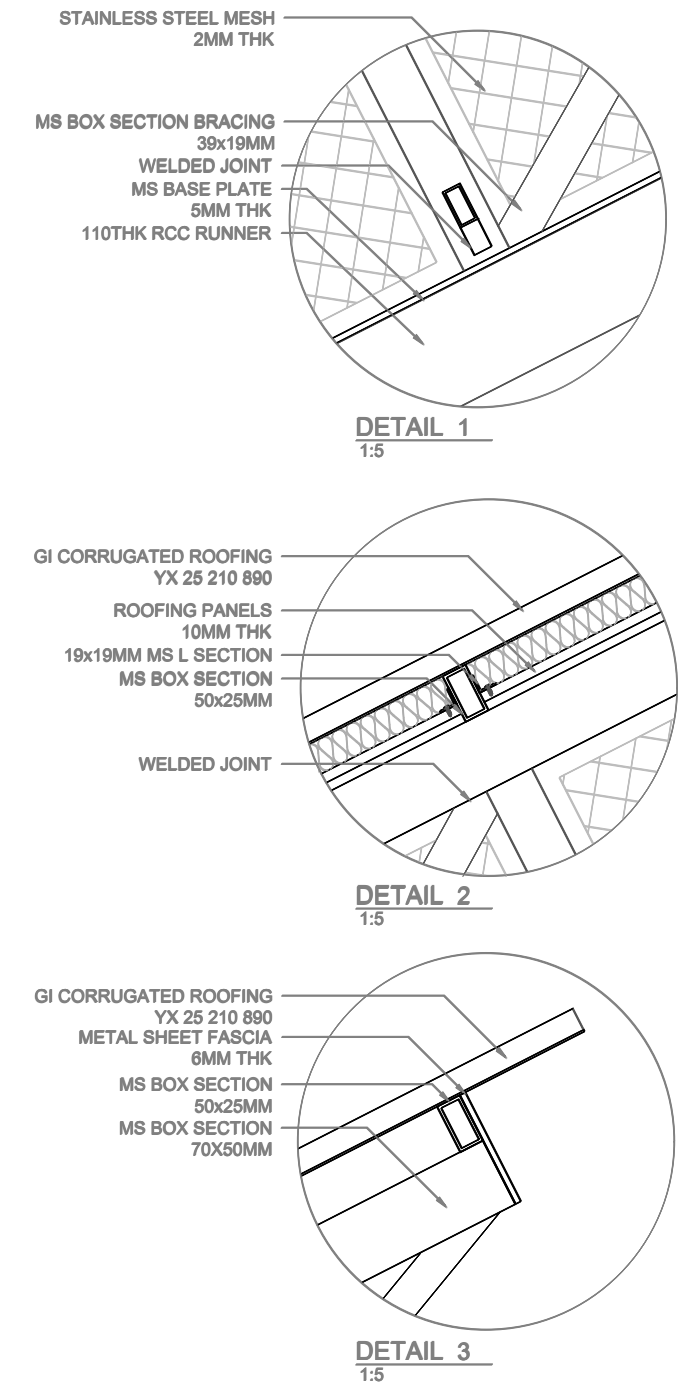
The openings of the workshop are designed as deep holes with no visible lintel on a masonry wall which would be perceived similar to bullet holes on a wooden surface. Or rather, "Let there be an opening and there is"



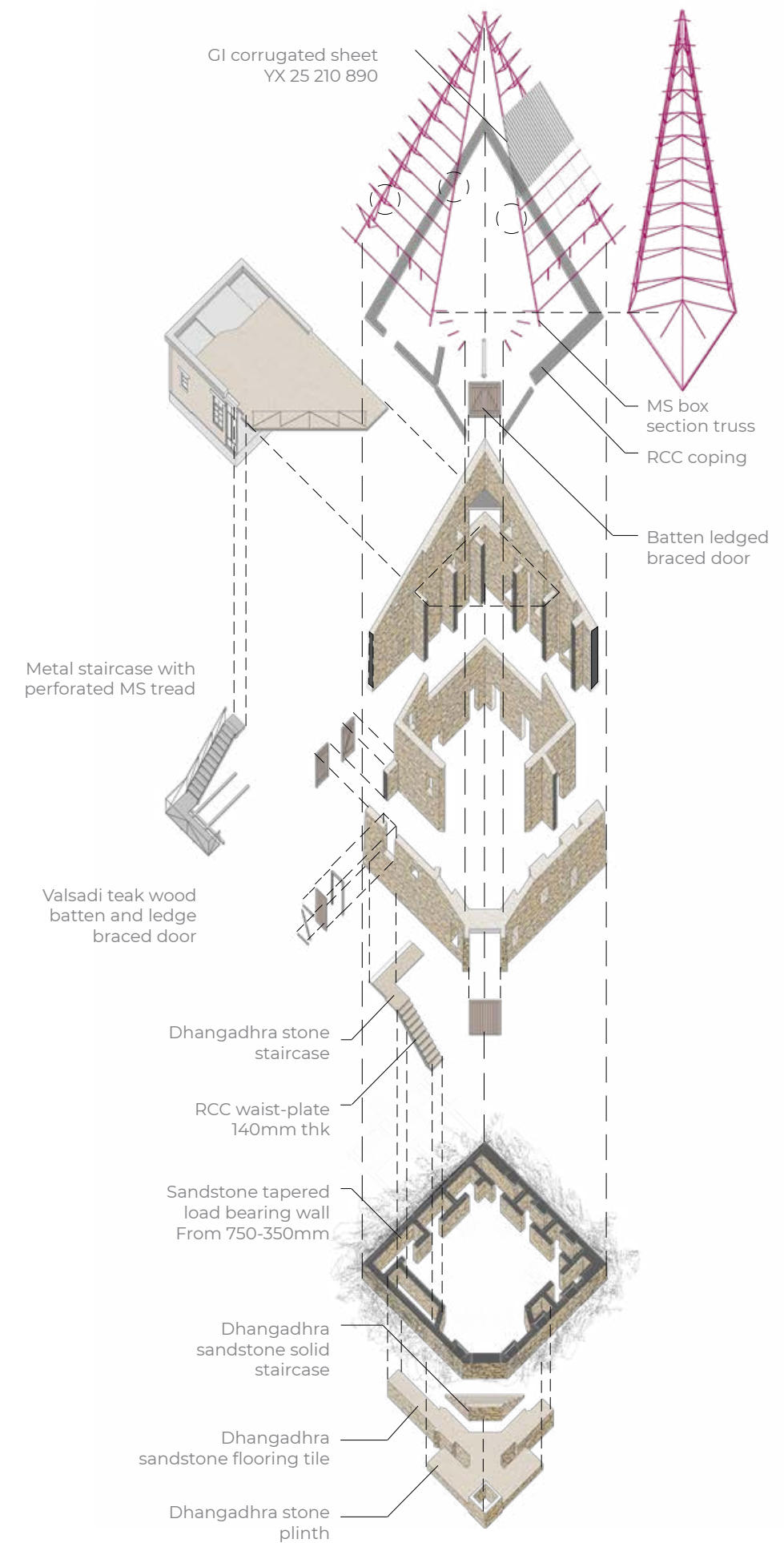
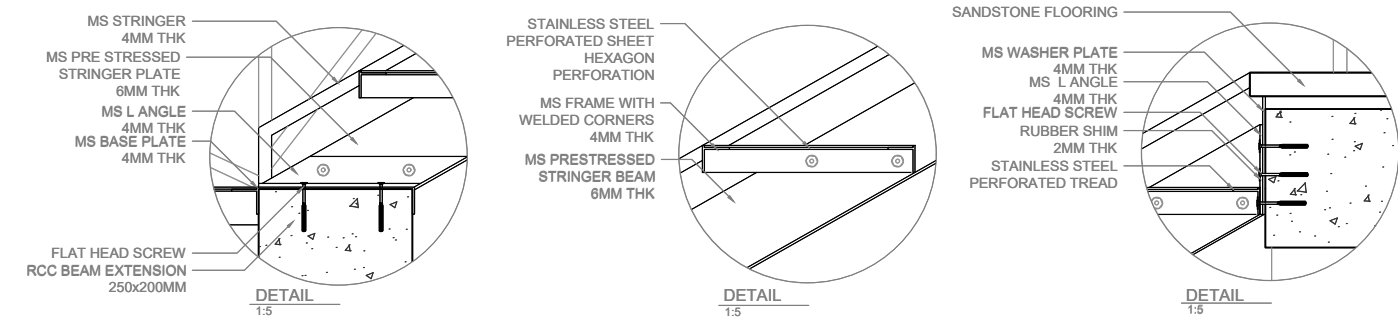
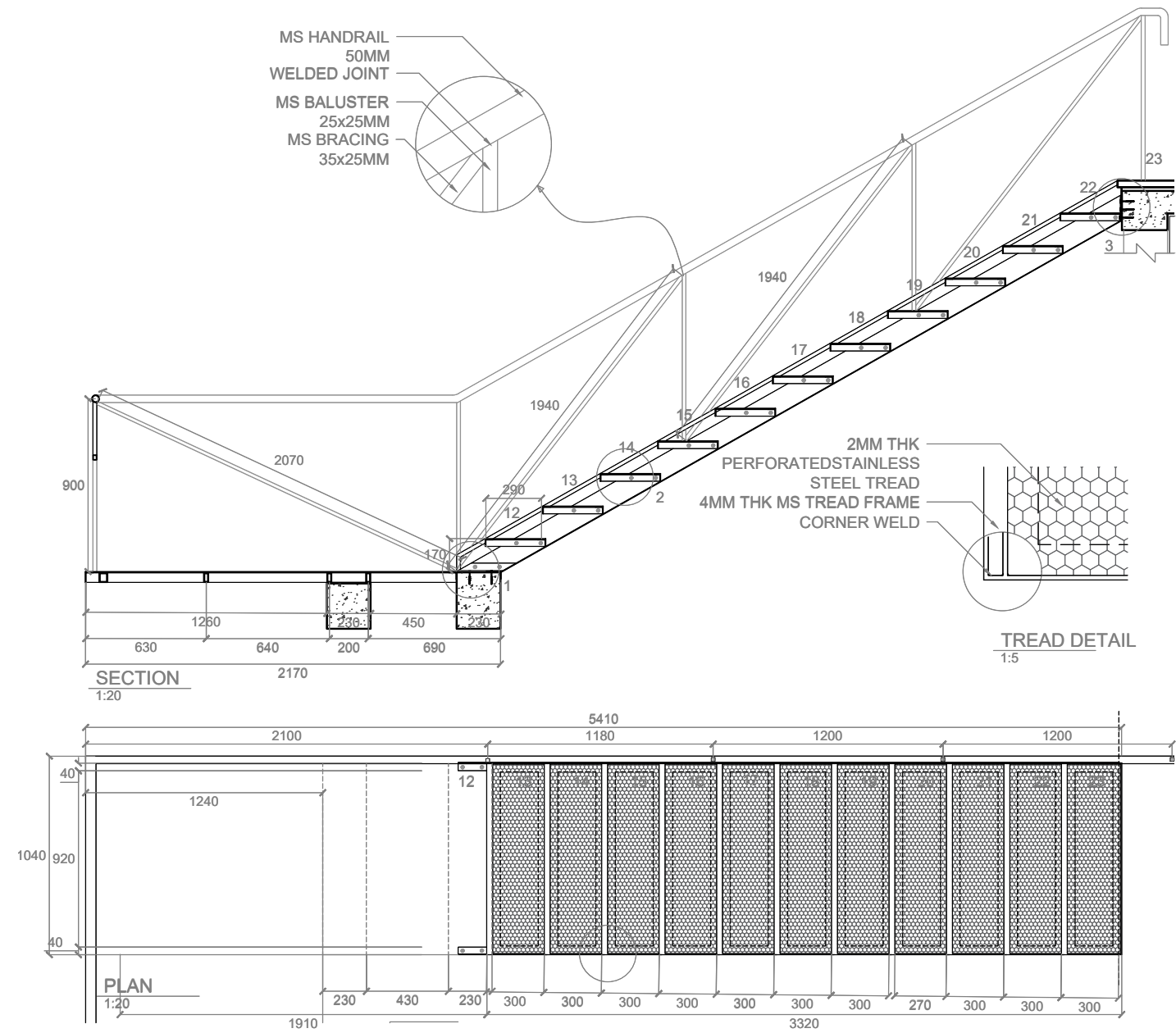
WINDOW DETAILING



WALL SECTION AT 'aa'



ROOFING DETAIL



### LAYERED AND LIFTED

The highest end of the roof is enhanced, like a fabric pinched at one and let to flow down, lightly touching a rock. The view shows how the wall is layered and braced creating a square space in the middle. The complex roof system comprise of MS beams and truss.

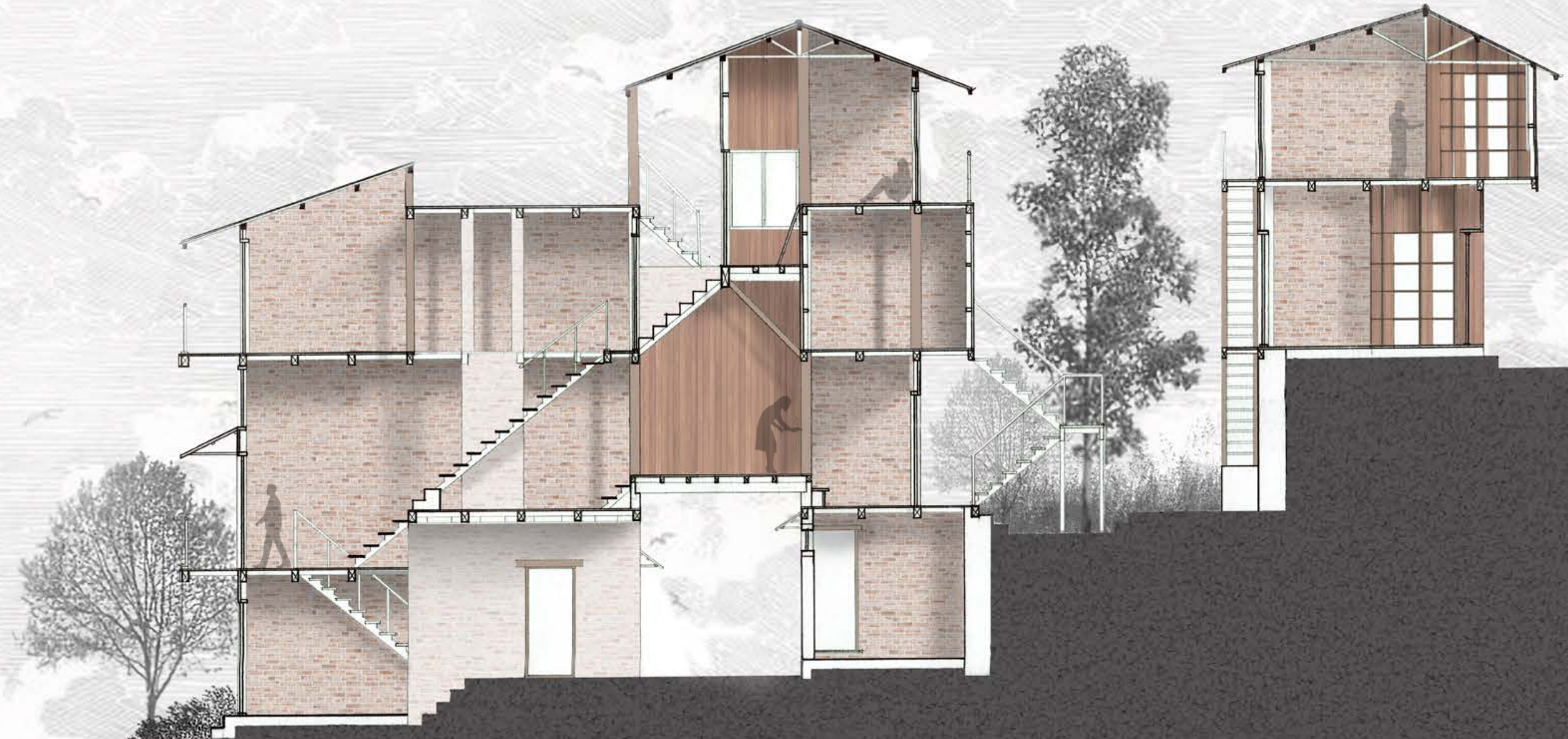
The internal sandstone and RCC staircase briefly exits the wall, cantilevering outside forming a thin, MS staircase bringing the user to the mezzanine level from the outside.

# at the lake edge

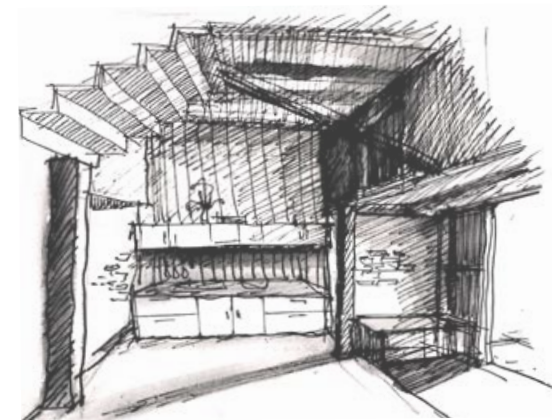
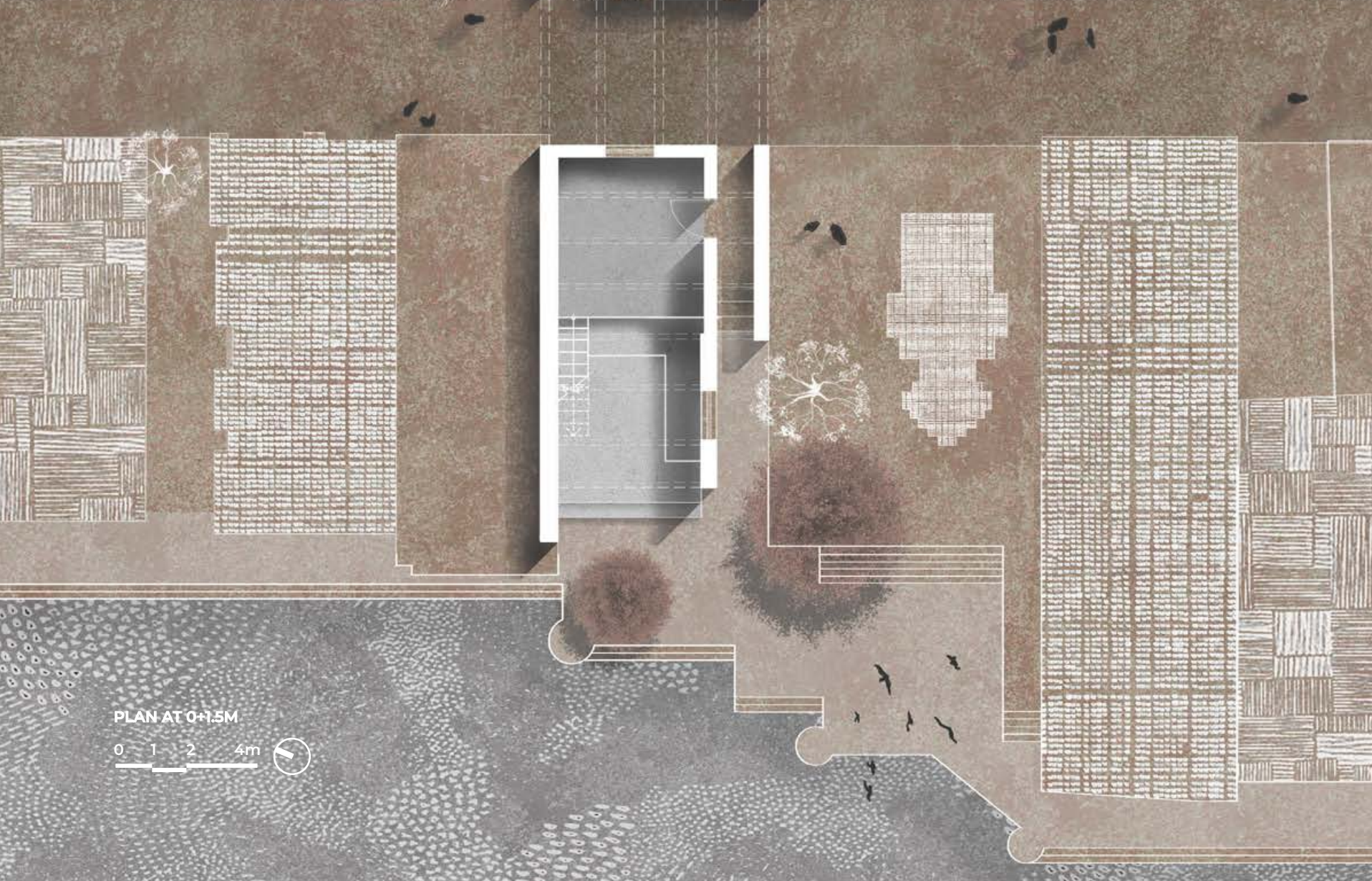
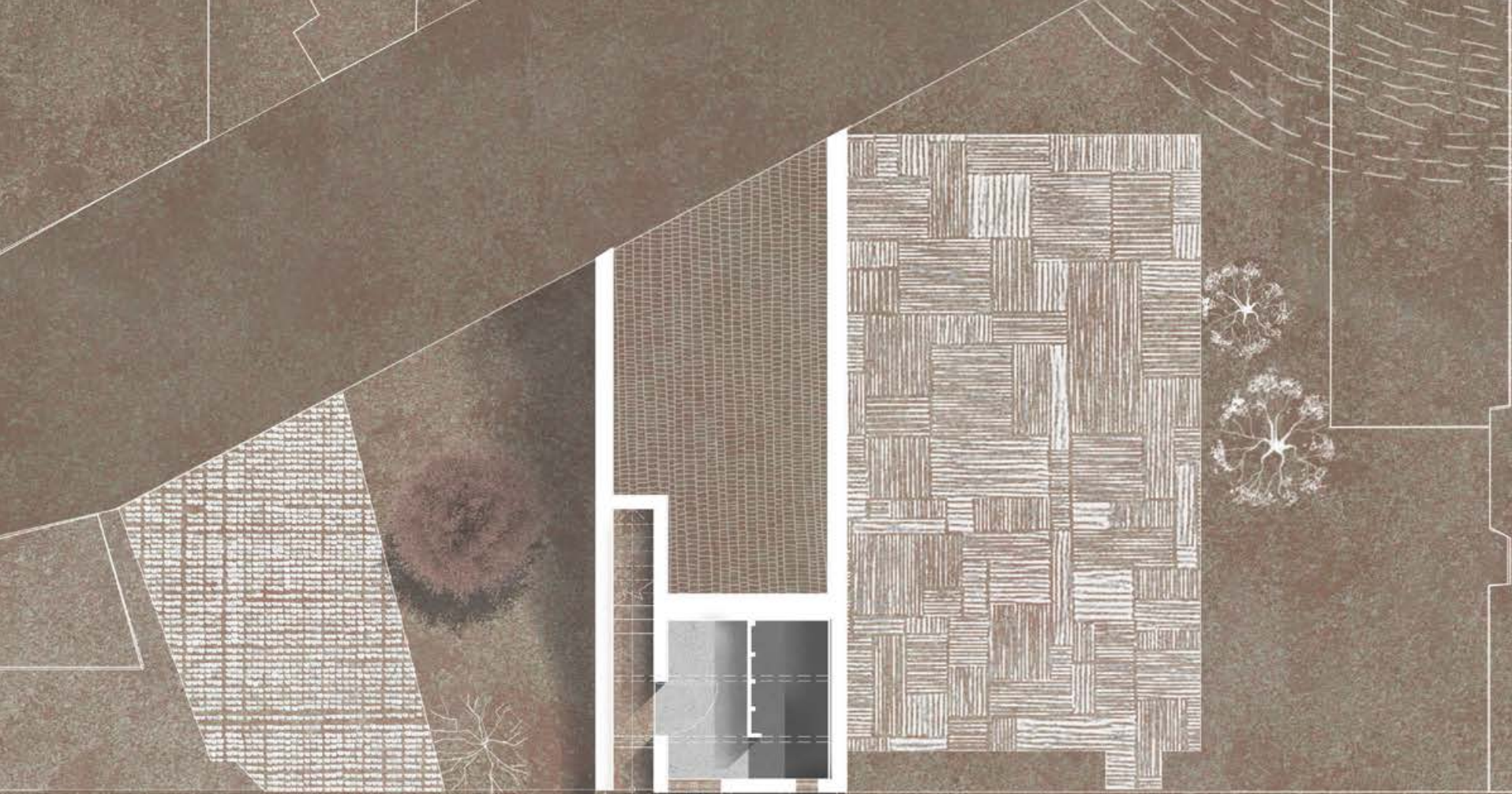
RESIDENTIAL PROJECT

SPRING 2021 : SEMESTER 3  
LOCATION : RAJASTHAN, INDIA  
AREA : 240 SQ M

The edge of the lake acted as the anchor point to stagger the levels as response to the slope and vista to the lake. The outline of brick walls blend into the surrounding built form while the interiors blend into nature. Such factors decided the way the spaces have been sculpted creating hierarchy, privacy, interaction, openness, and above all, JOY.







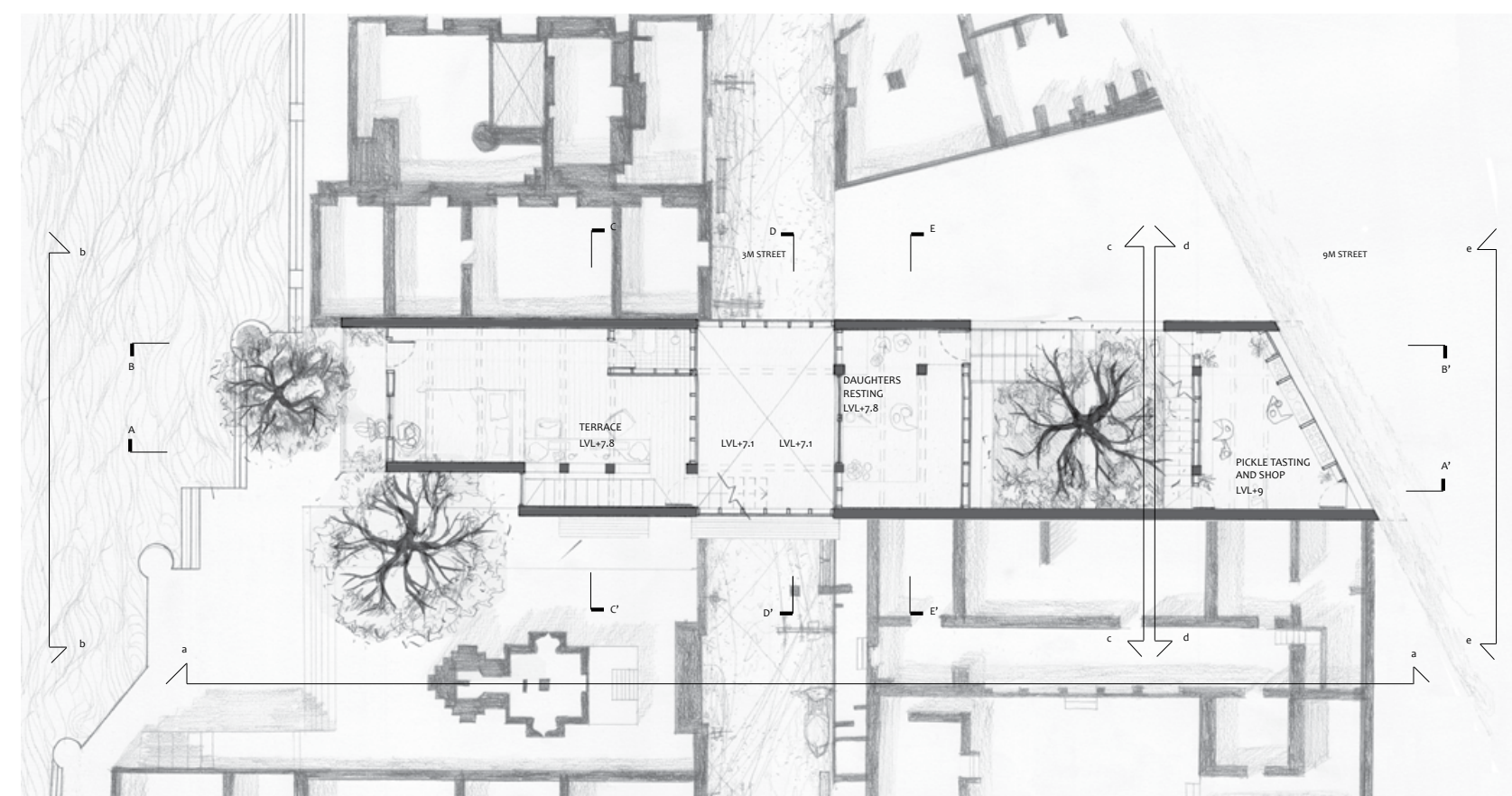
▲ Pickle making space forms the core of the home. Higher level, bigger volume and interaction with kitchen, wash, courtyard and store.

◀ This site at the lake-front, brings together a rich context of the lake, temple, trees, chhatri, buildings, an empty plot, two contrasting streets and a beautiful setting sun.



▲ Pickle making space connected to the wok kitchen and the courtyard providing light and ventilation.

▼ Alternating open to sky and roof let in light due to openings on either side of the wall under the roof.



PLAN AT 0+7.5M

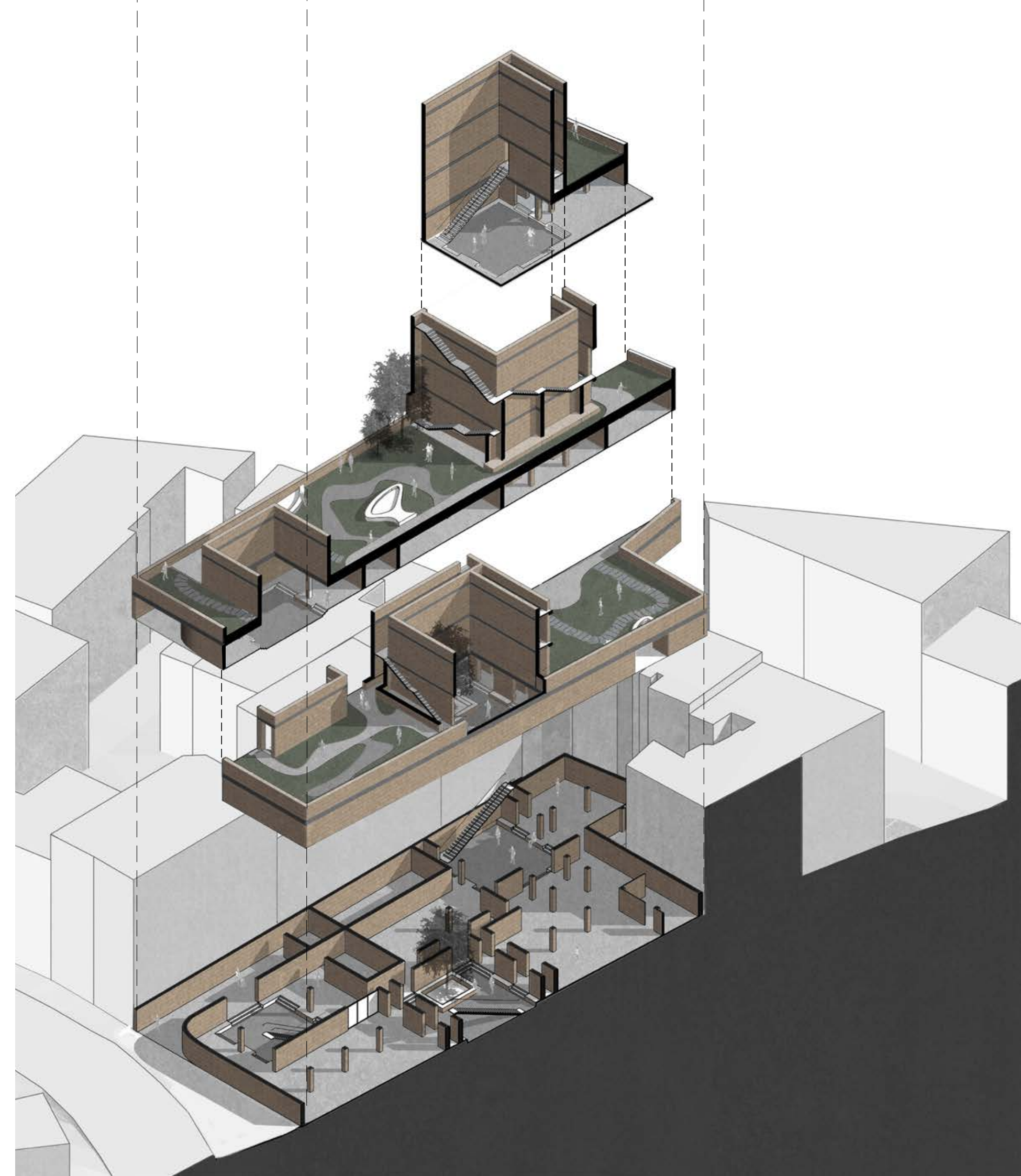
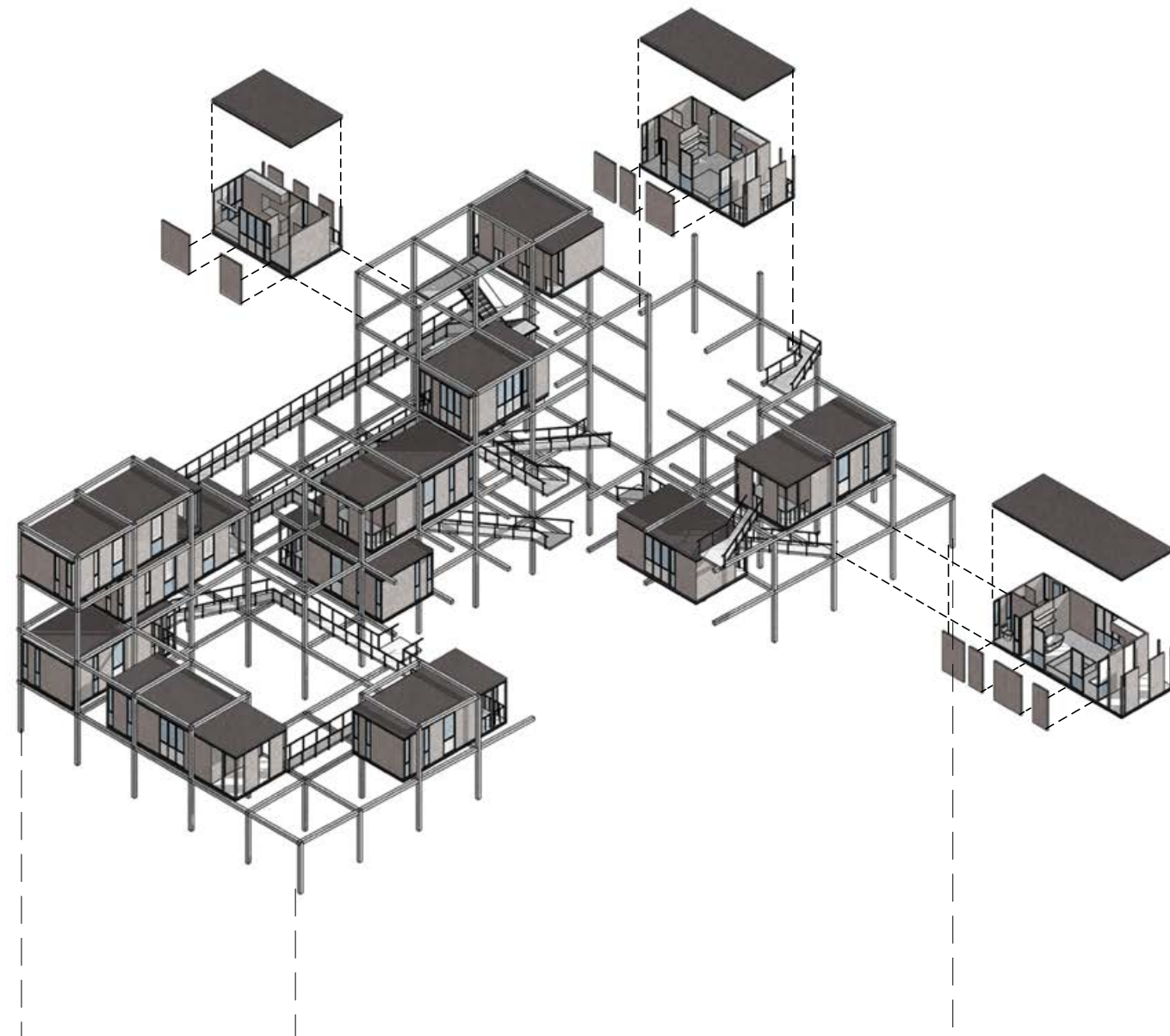
0 1 2 4m

# inverse harmony

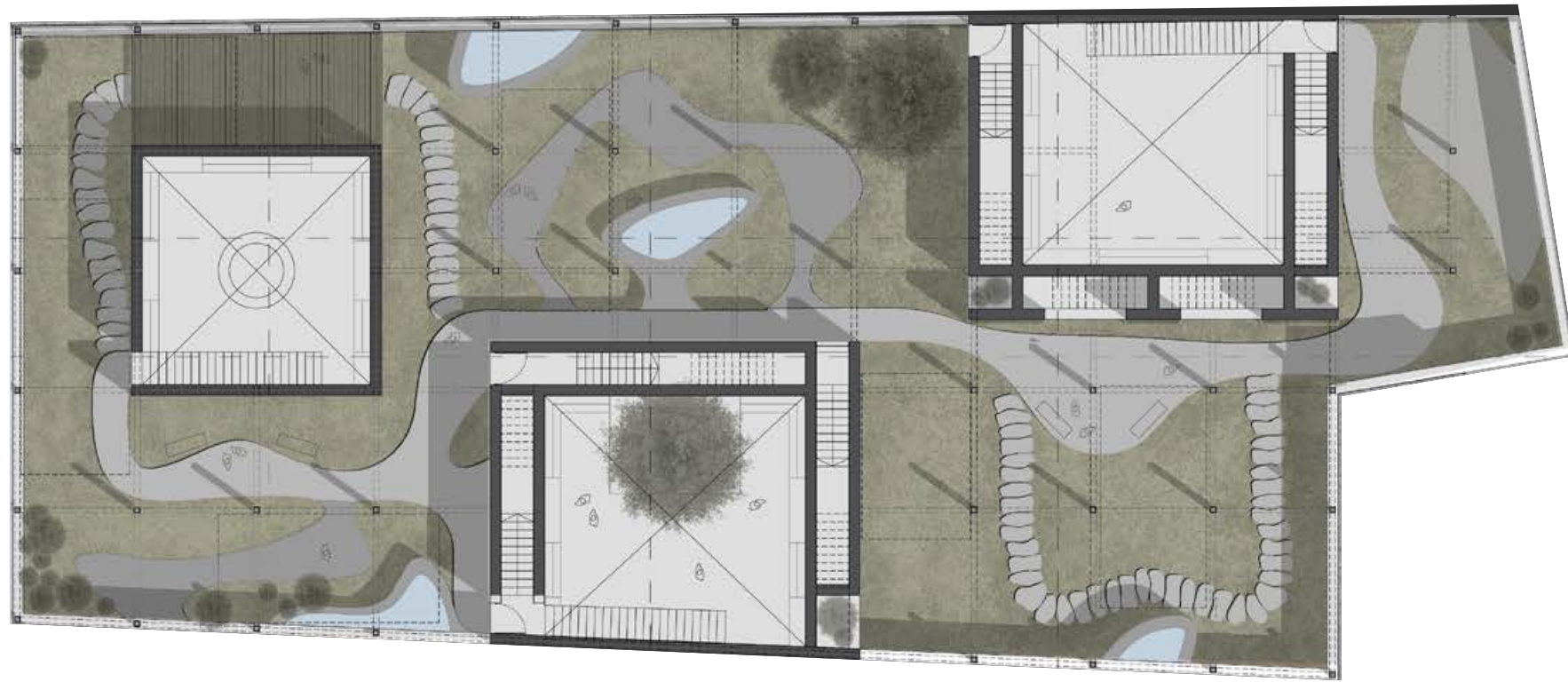
ARTIST'S HOTEL IN MONTMARTRE

EXCHANGE S2023 : SEMESTER 8  
LOCATION : PARIS, FRANCE  
AREA : 1190 SQ M

Montmartre district of Paris is a rich blend of beautiful Parisian streets, squares, staircases, bustling with birds, people and artists. The hotel project attempts to extend the existing urban relationships created in the topography of Montmartre, apart from the experience of meet public courtyards, cross streets narrow. The project imagines public spaces as successive courtyards and private spaces such as modules floating in a radiating grid.



LANDSCAPE PLAN AT 0+6M



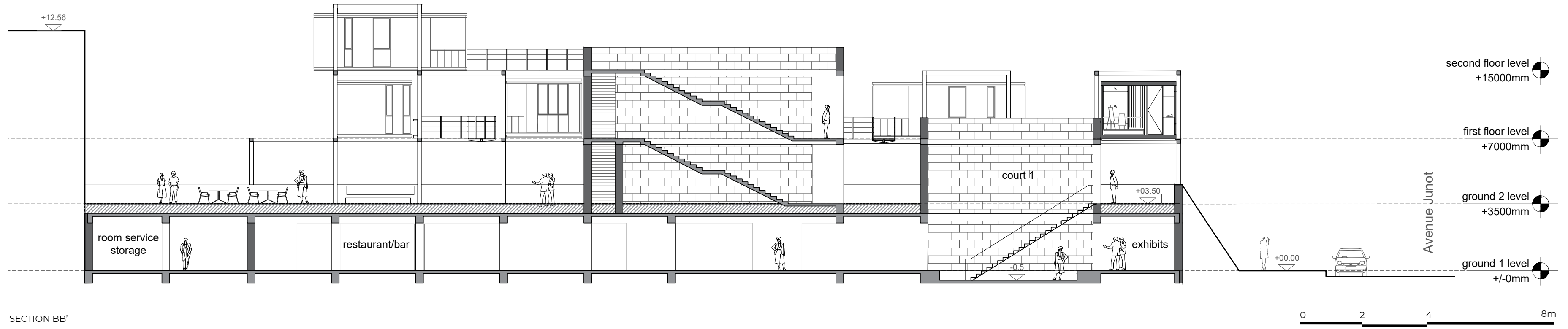
**SOFT AROUND EDGES**

The principal path takes one through all the three courtyards with secondary parts branching from it, which twists and turns around the landscape and the jungle of thin columns



**FLEXIBILITY**  
 The modules are designed as flexible spaces for the artists to convert their space between work and sleep. Outdoor deck creates a spillover to other rooms or volumes in the trees

**MODULES**

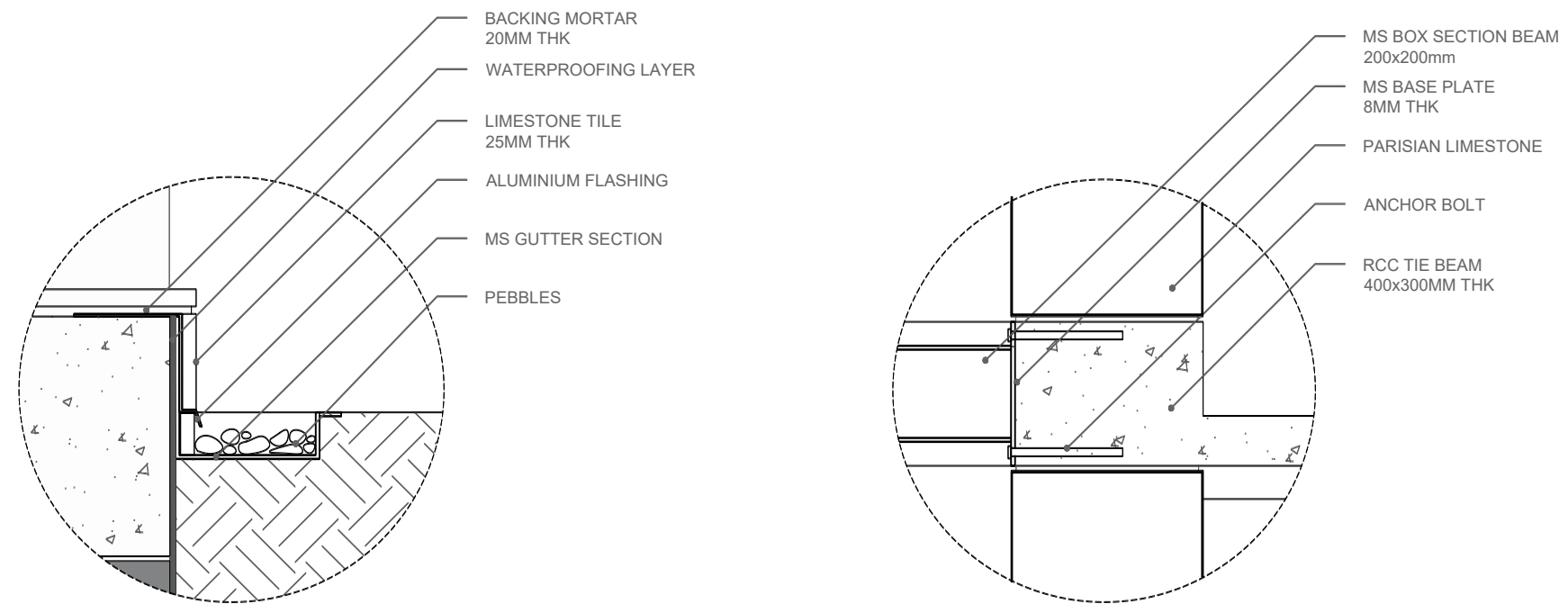


SECTION BB'



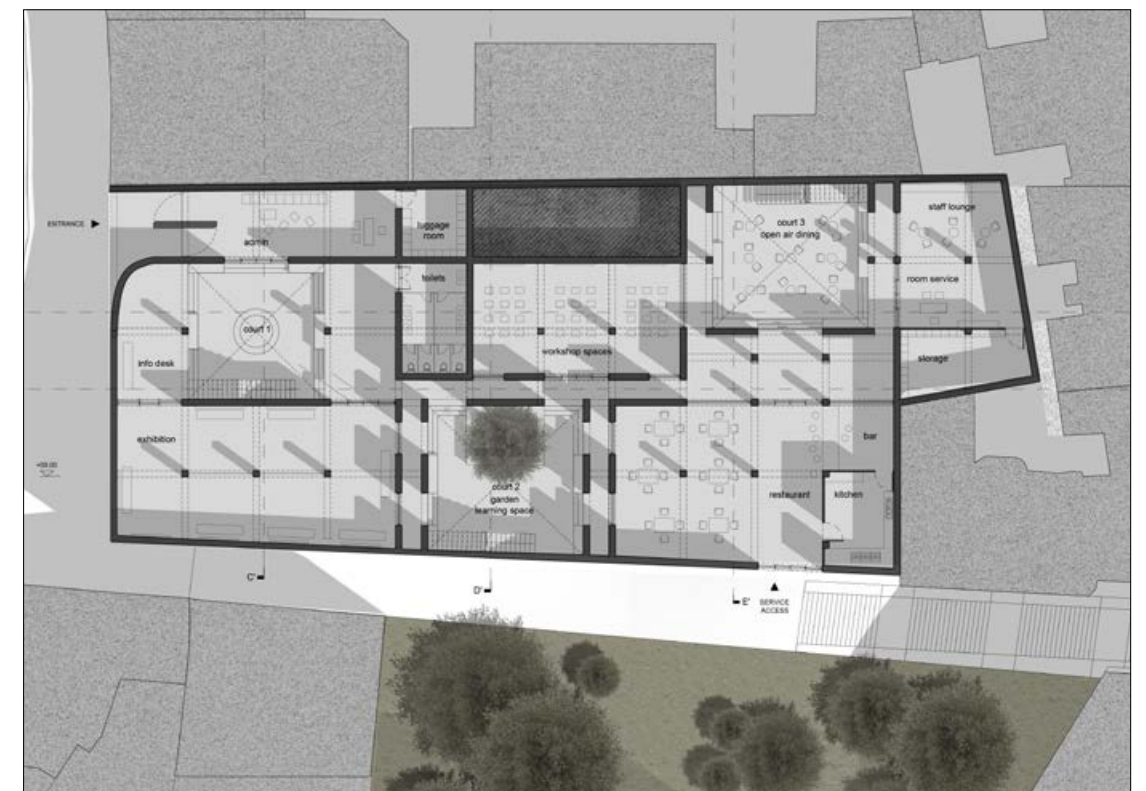
### HEAVY AND LIGHT

Material:	
Courts	Parisian limestone
Modules	Steel structure and paneling
Lattice	Steel box sections



PLAN AT G+0M

► Light steel structure modules plug into the lattice of steel beams and columns giving the expression of floating structure



PLAN AT G+1.5M

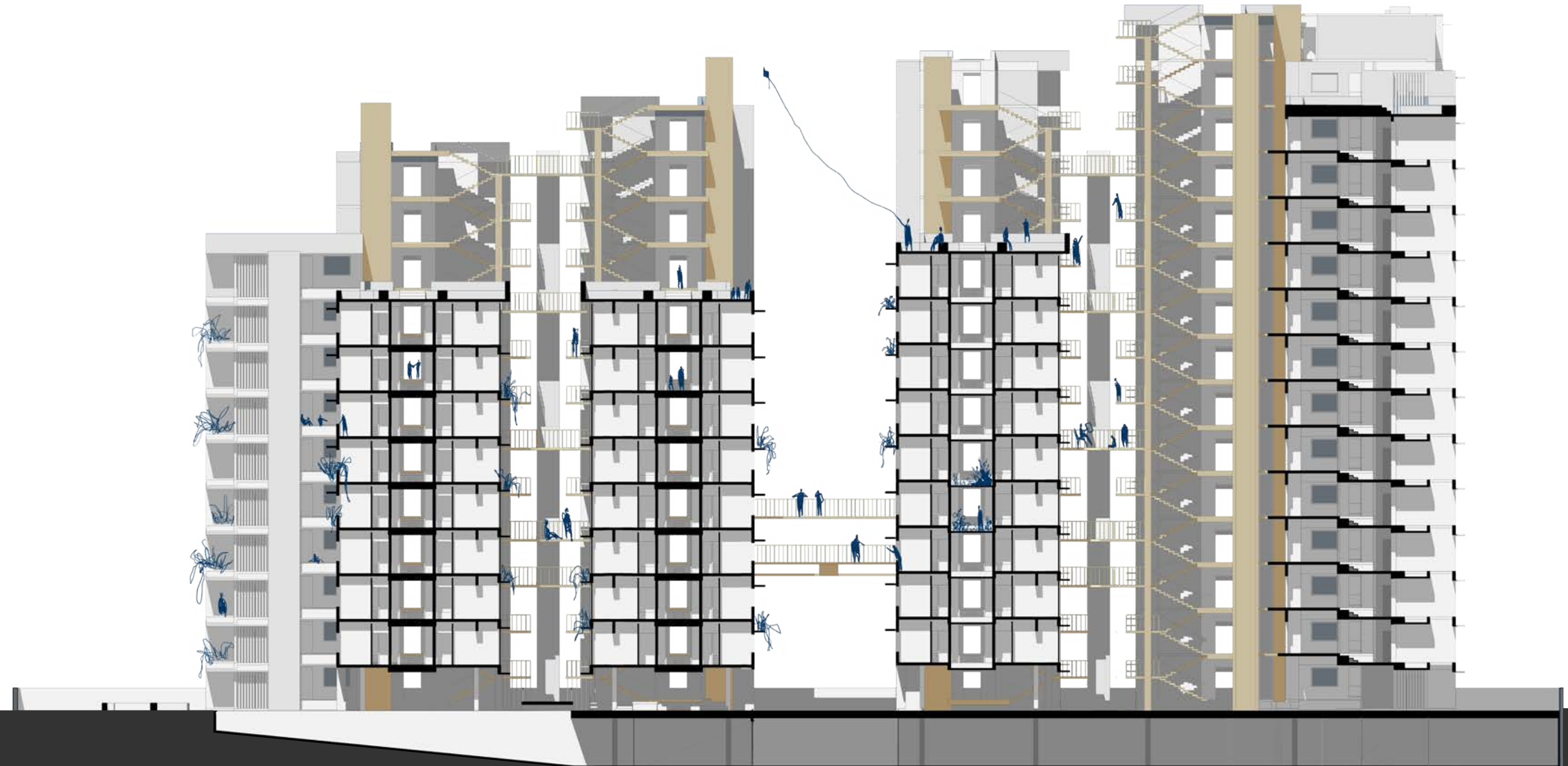
► The courtyards are taken as the anchor point to arrange the public spaces around it which is illuminated from the light from the courtyard

# inside out

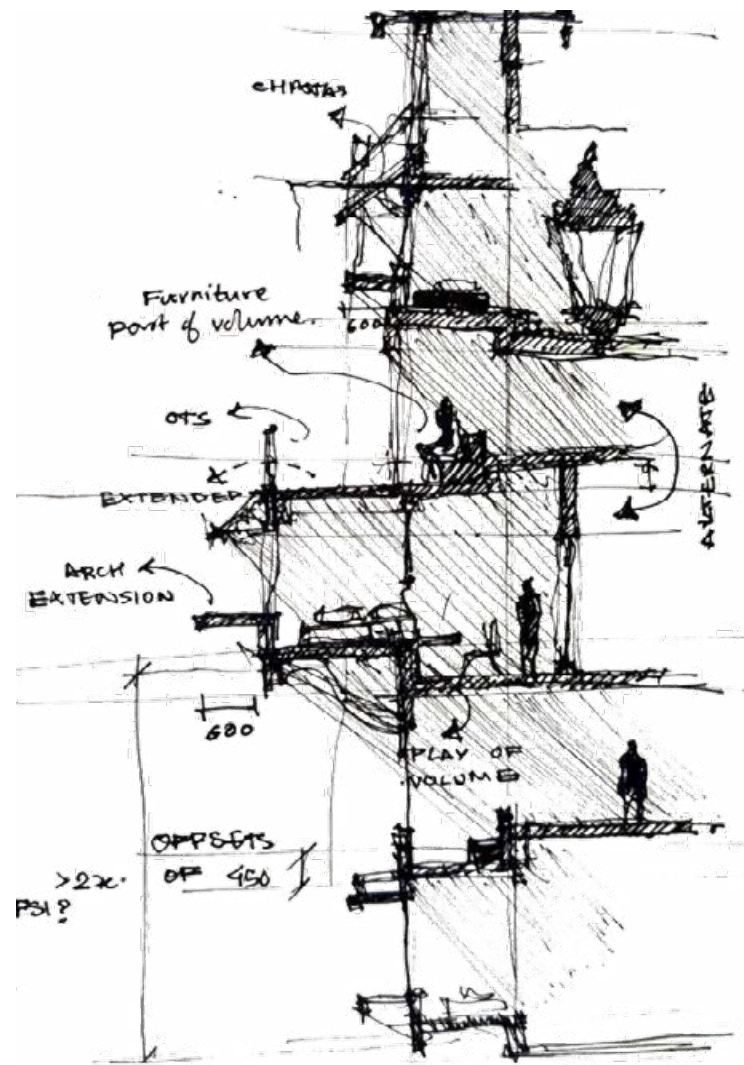
MASS HOUSING SCHEME

MONSOON 2022 : SEMESTER 7  
LOCATION : GUJARAT, INDIA  
AREA : 11000 SQ M

There are many elements which make a homely feeling in a bungalow which disappear when it comes to mass housing. Shared spaces outside the house promote interaction while the unit has been designed to bring back the individuality as well as family encounters, creating cut-offs when needed and an opportunity to connect with other spaces after the self-contemplation. The spaces are transformable according to the events taking place in the space creating the customization and owning of space as one would in their own house.



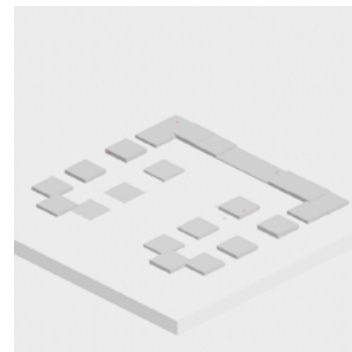
0 3 9 17m



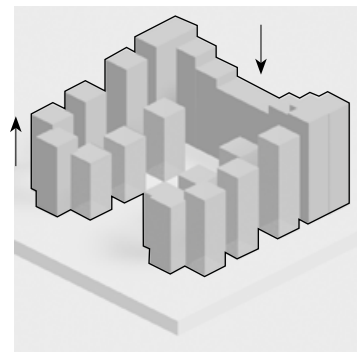
### IDEA OF HOME

The idea of a home inside an apartment is brought in with the special elements like the veranda, the feeling of bigger space yet to explore, levels, the deck and garden and above all, creation of privacy for the individuals and bringing them together as a family. Customization of the home with the flexibility of the walls, plays a major role in the ownership of space and comfort in the gathering

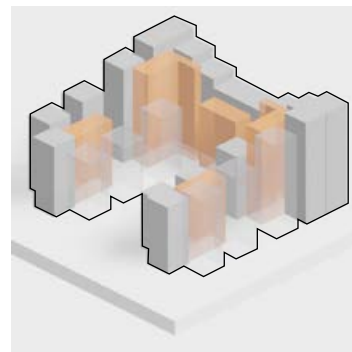
### MASSING



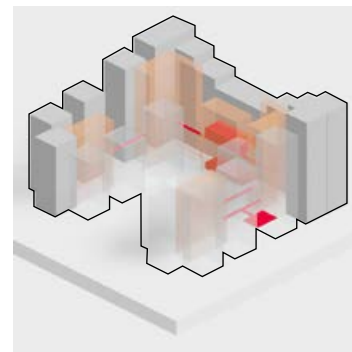
**01** Wrap around to create an open space



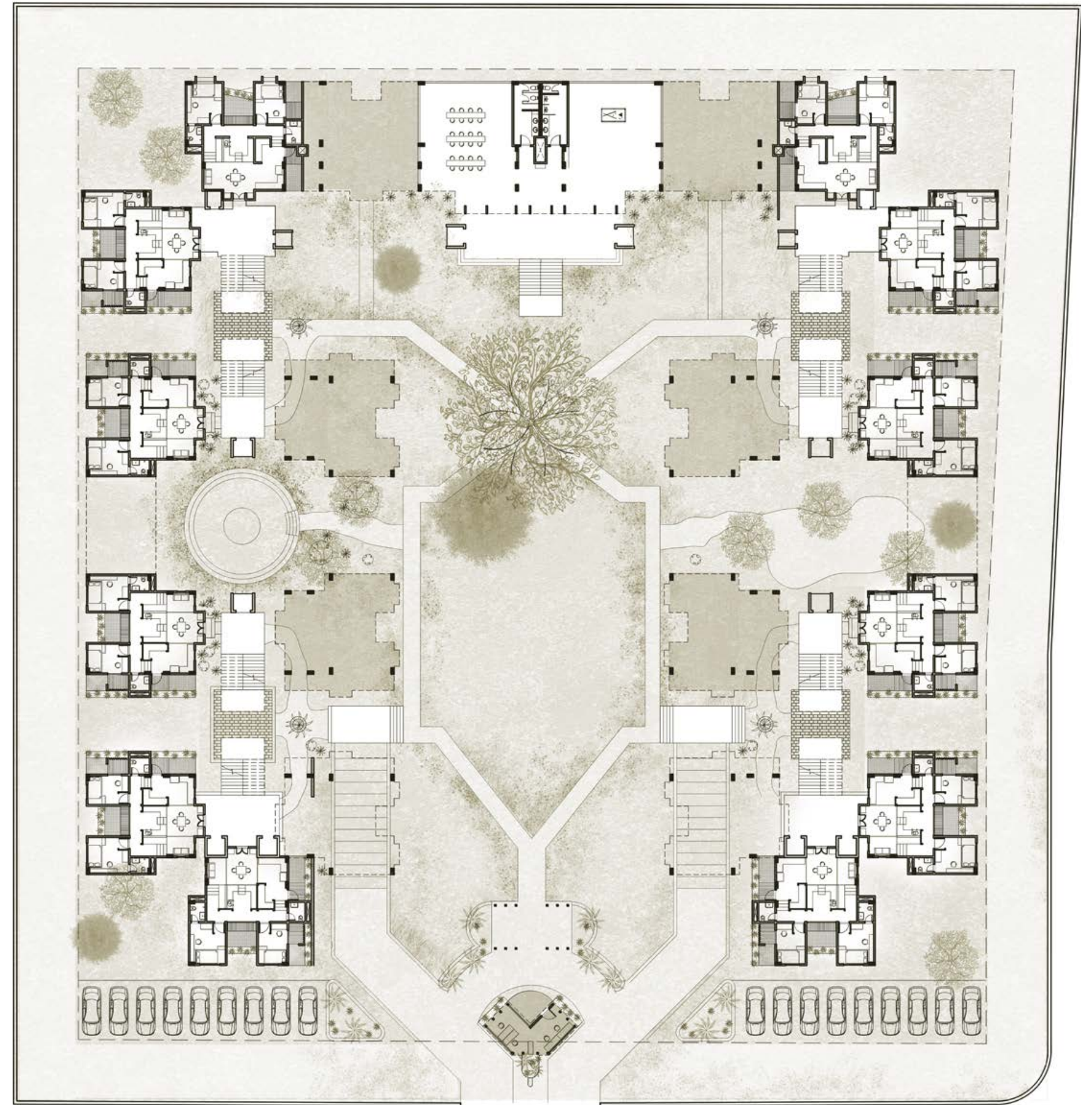
**02** Lower height in the middle



**03** common lobby spaces for interaction



**04** Layering of common spaces with skywalks



PLAN AT G+1.5M

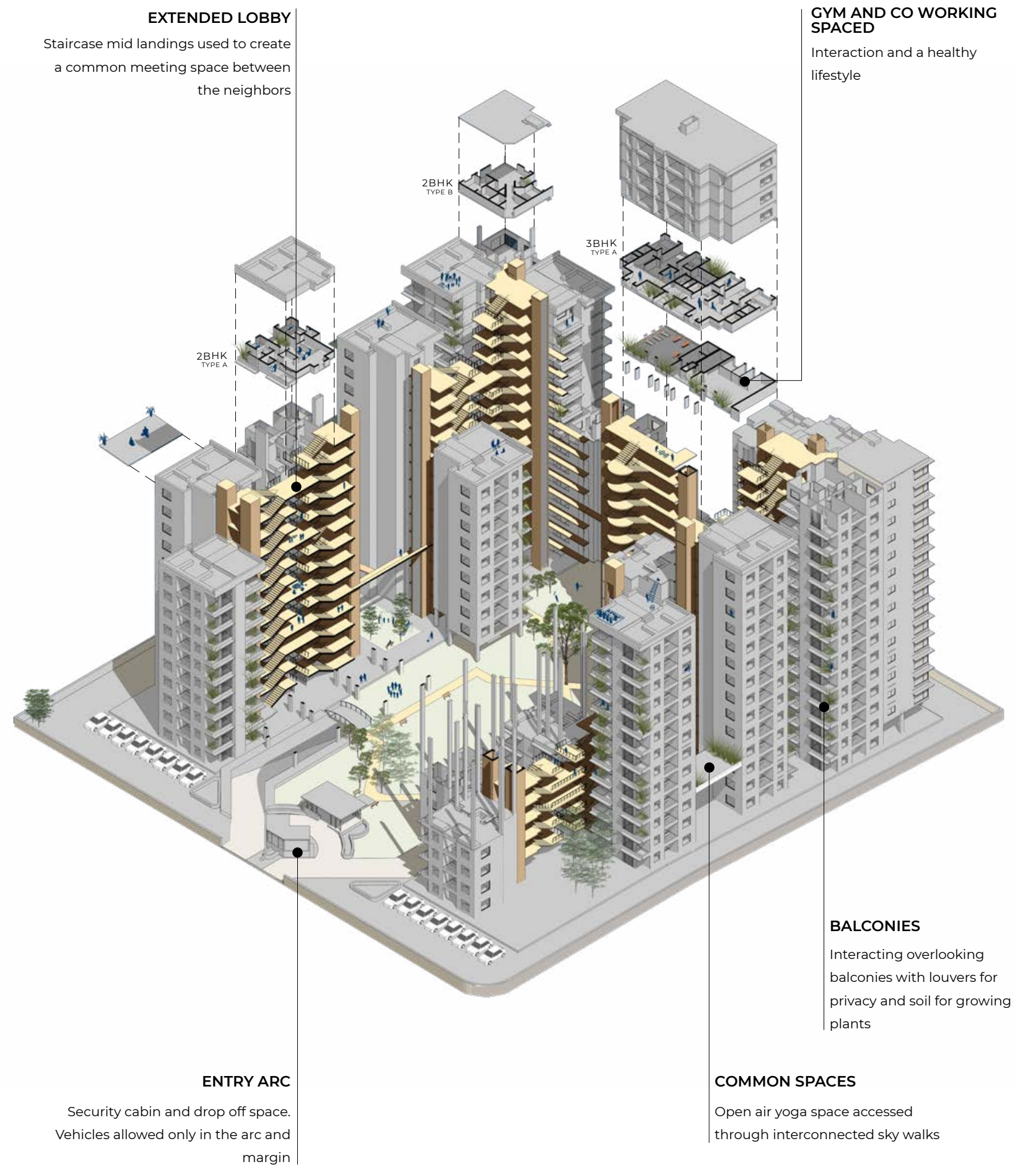




▼ Blocks organized around the central open space, landscaped for leisure or holding events, creating a closer community and interaction



▼ The lobby space which is generally purely functional and compact has been re-imagined to create more interaction between the neighbors

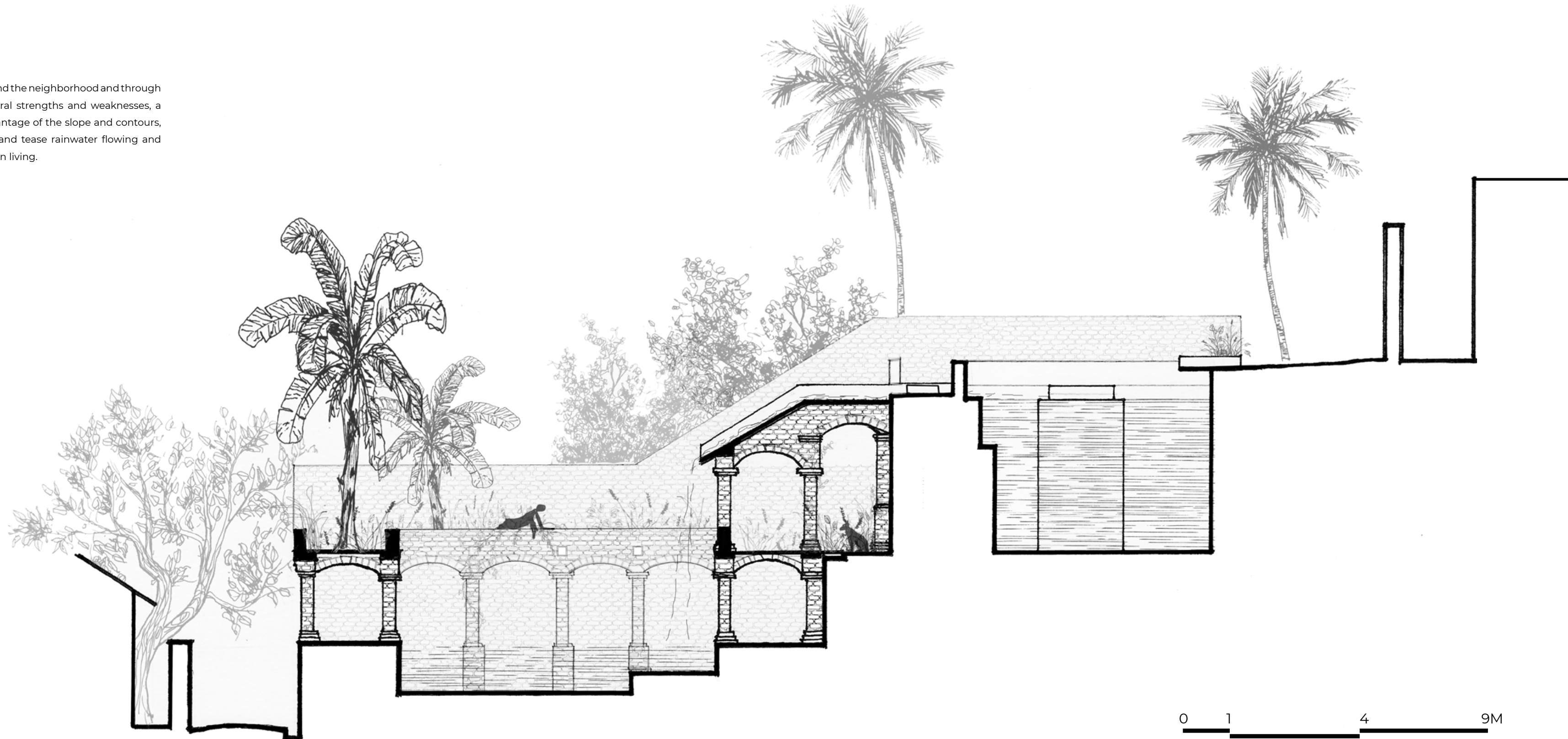


# way with the water

PAVILION FOR RAIN

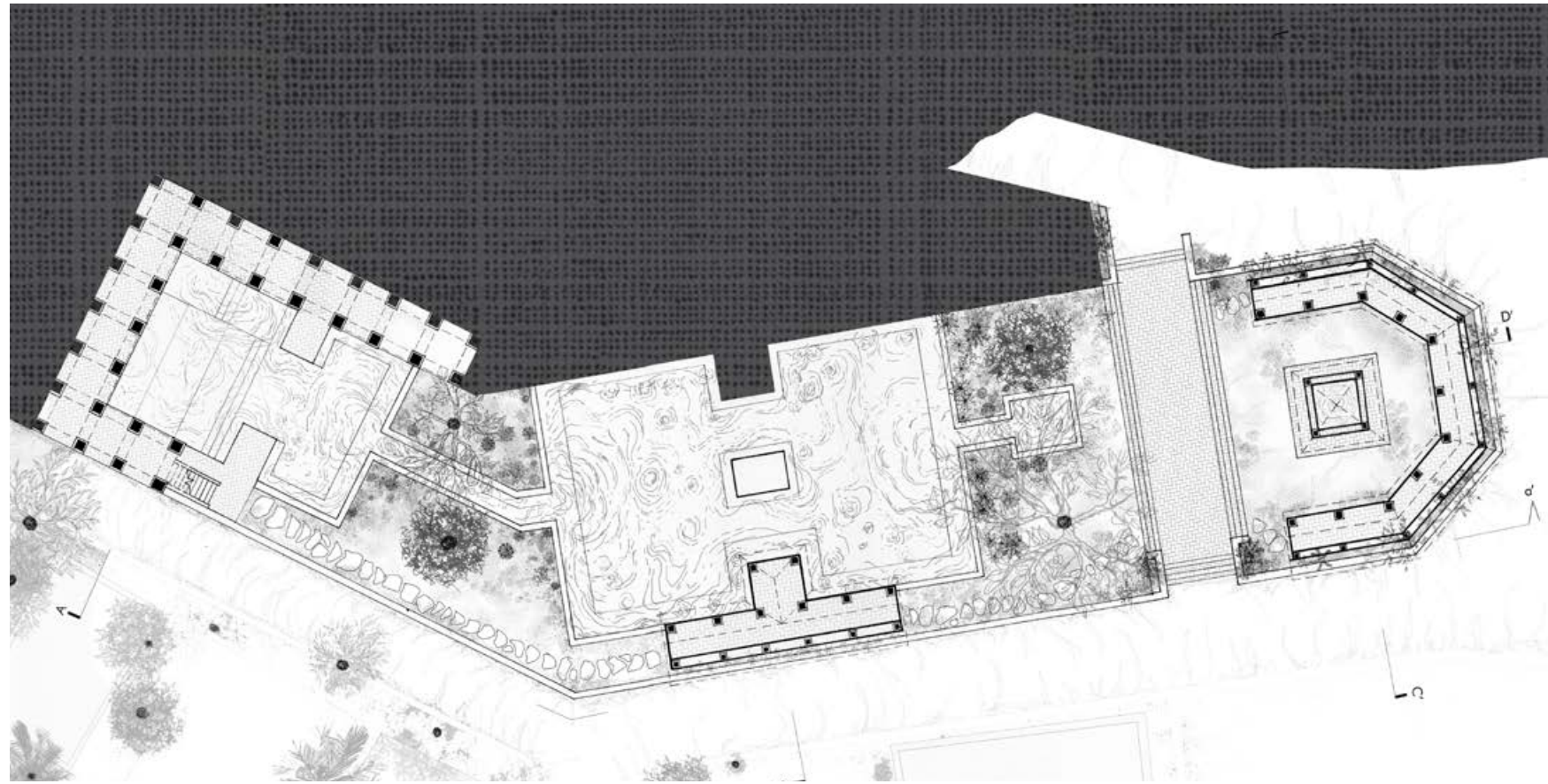
SPRING 2021 : SEMESTER 4  
LOCATION : KERALA, INDIA  
AREA : 1150 SQ M

Identifying a life depriving space around the neighborhood and through study of its landscape, climate, natural strengths and weaknesses, a water pavilion is built. By taking advantage of the slope and contours, fragmenting the structure to tame and tease rainwater flowing and interacting with the living and the non living.



0 1 4 9M



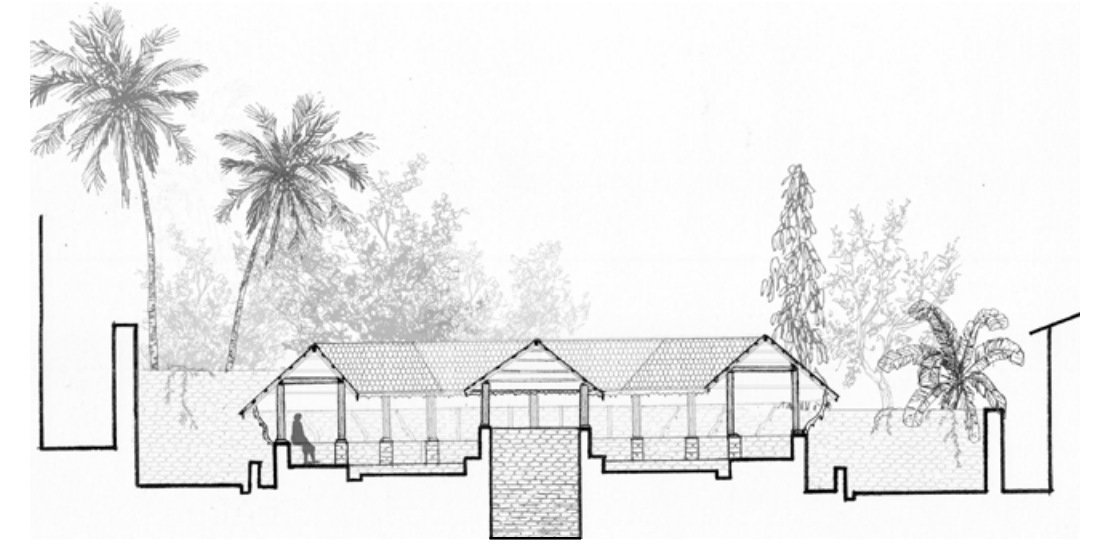


PLAN AT G+6.5M

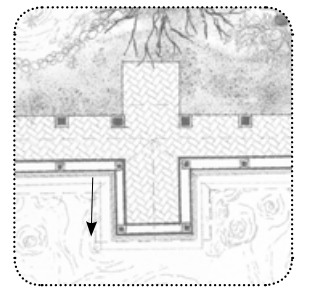
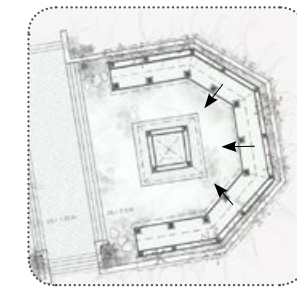
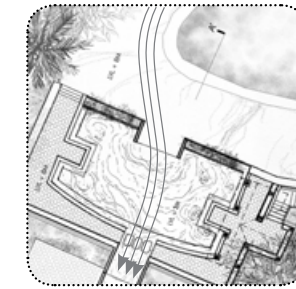
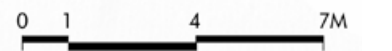
◀ Water is received, acknowledged and let go to follow its own flow. Rainwater collection is represented with ripples.

▶ At the places of collection, the pavilion interacts with the water differently

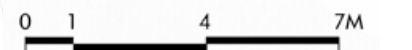
▼ The ground is modulated into three levels which alternates between built and wilderness.

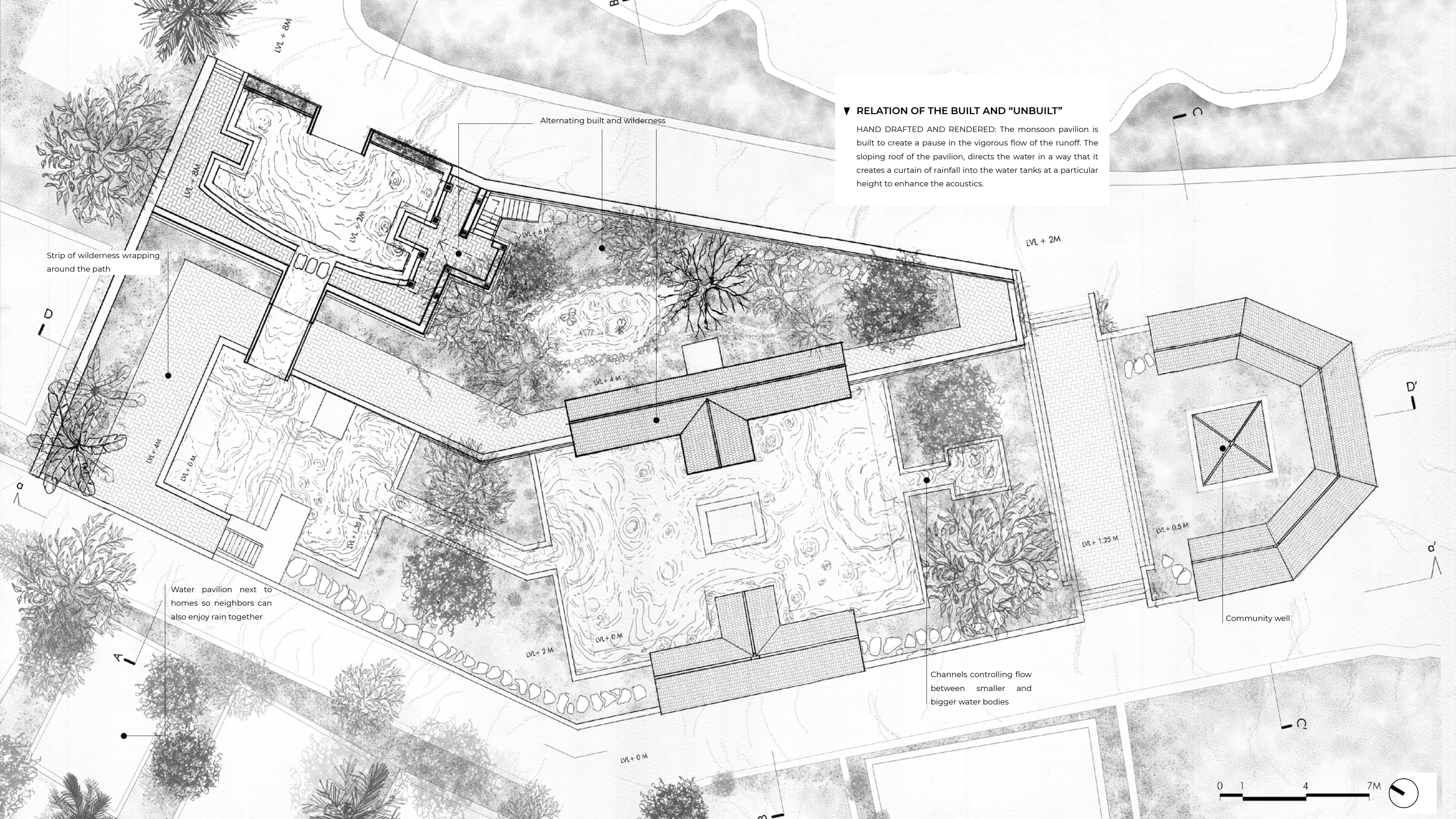


SECTION CC'



SECTION DD'  
17





▼ **RELATION OF THE BUILT AND "UNBUILT"**

HAND DRAFTED AND RENDERED: The monsoon pavilion is built to create a pause in the vigorous flow of the runoff. The sloping roof of the pavilion, directs the water in a way that it creates a curtain of rainfall into the water tanks at a particular height to enhance the acoustics.

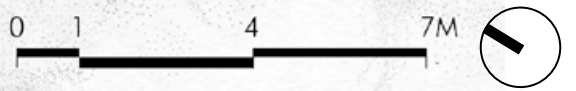
Alternating built and wilderness

Strip of wilderness wrapping around the path

Water pavilion next to homes so neighbors can also enjoy rain together

Channels controlling flow between smaller and bigger water bodies

Community well

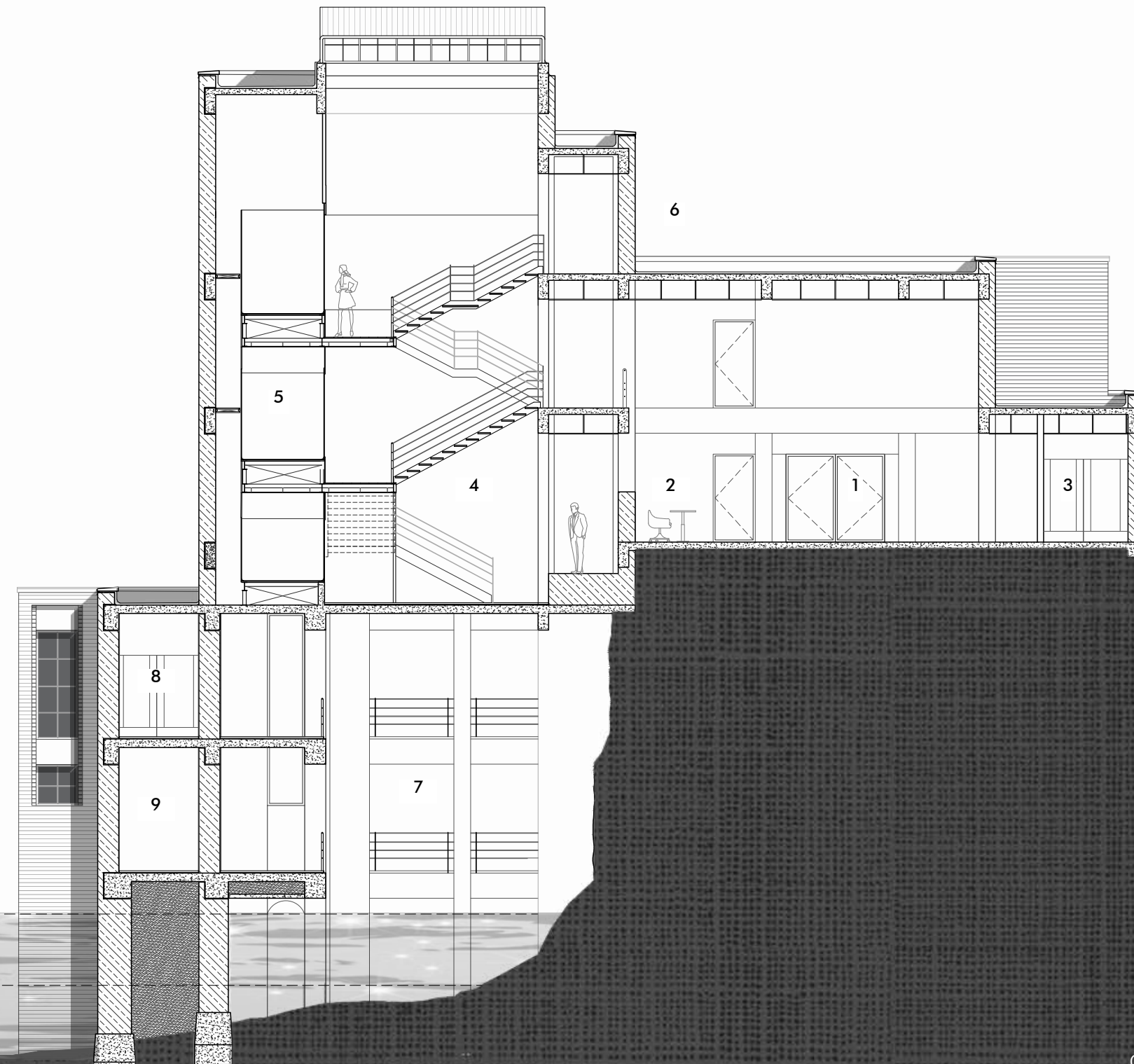


# castle over the cliff

MARINE ECOLOGY CENTER

SPRING 2022 : SEMESTER 6  
LOCATION : DIU, GUJARAT  
AREA : 450 SQ M

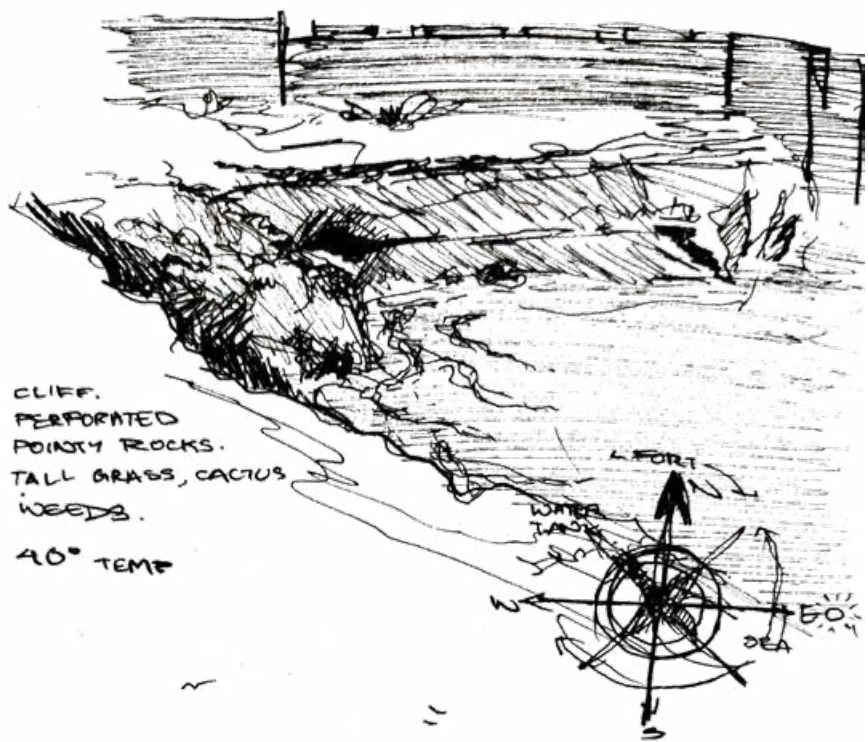
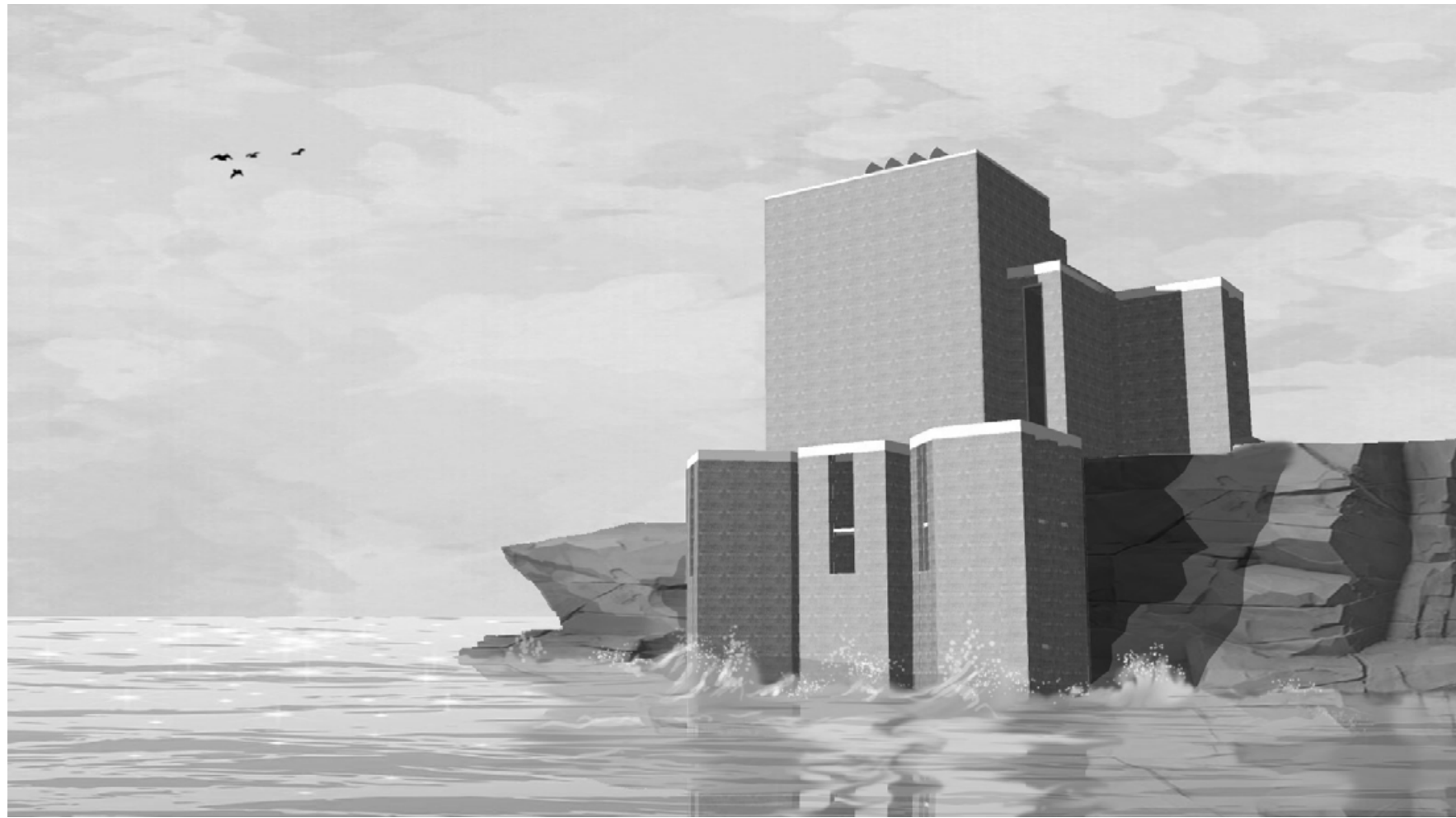
Rafael Moneo's attitudes towards designing were studied, interpreted, and applied in the design of the Marine Ecology Centre in Diu, India. The project stands over the edge of the cliff establishing a presence on the land as well as the sea. Site context is an important factor when Moneo anchors his designs to the place in terms of the form and organization.



## LEGEND

1. Entrance
2. Admin desk
3. Gift shop
4. Meeting space
5. Aquarium
6. Terrace
7. Triple volume
8. Toilets
9. Research labs

0 2 4 6M

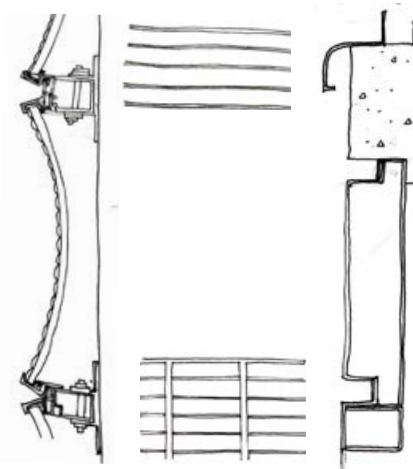


The designing is sited at the most protruding part of the site to enhance the solidarity and importance on the cliff. The walls arise from the land as well as the water triggering the presence on the site and creating verticality. The approach from the sea sees the distorted reflection on the water as well increasing the perceived height of the structure. Smaller masses are plugged in from all the sides with a buffer in between where the openings are articulated as deep and long sources of light.

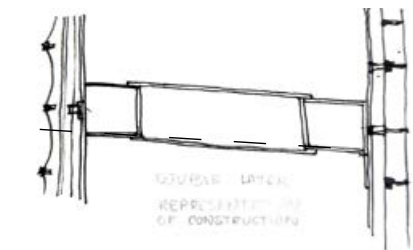
“ Opening is where the wall stops ”

-Rafael Moneo

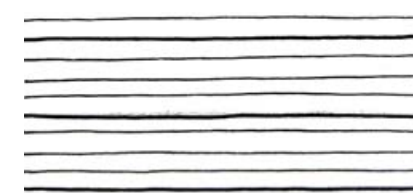
### order



### Aligned Grid

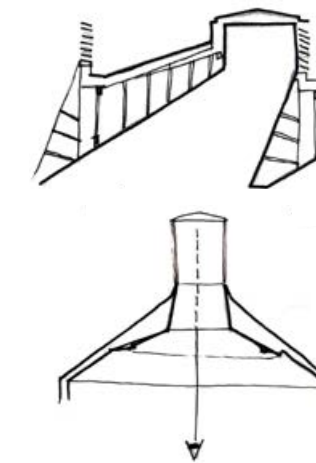


### Grid of Surface and Structure

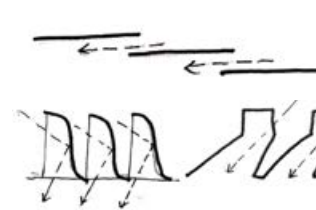


### light

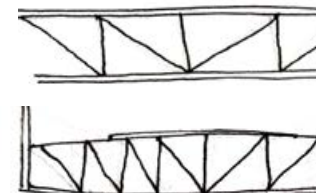
#### Abstraction of Light



#### Form for Light

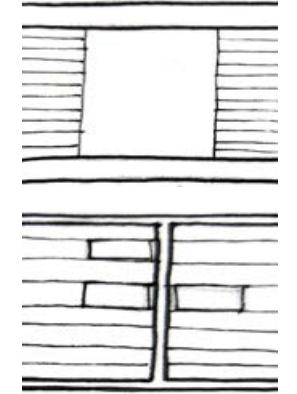


#### Abstraction in the Order

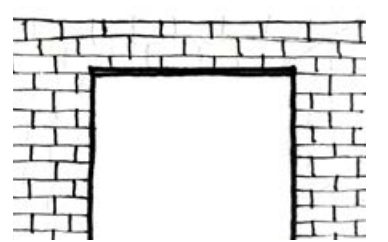


### openings

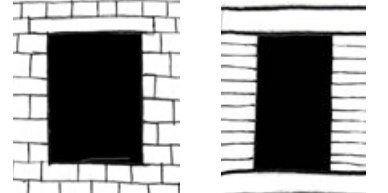
#### Order in Openings

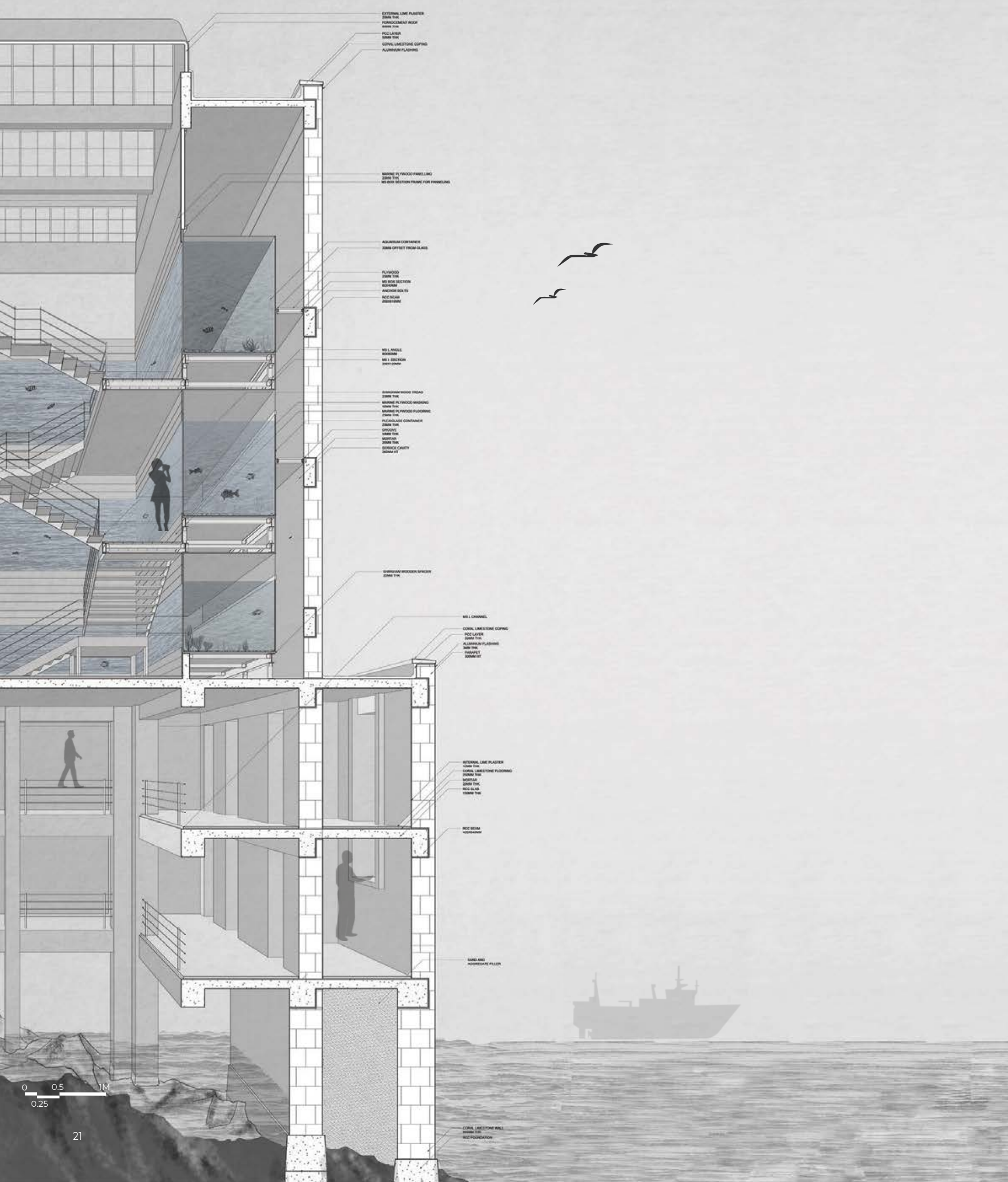


#### Abstraction of Lintel



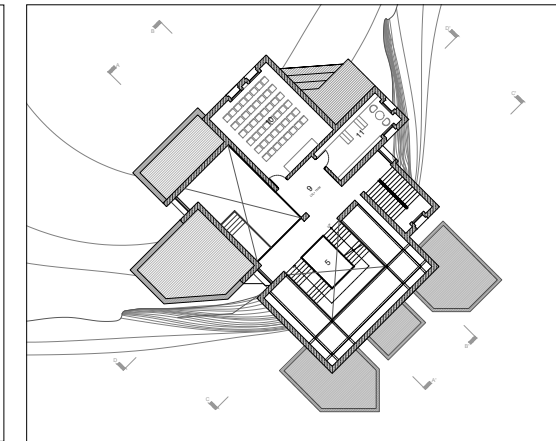
#### Permeability with openings





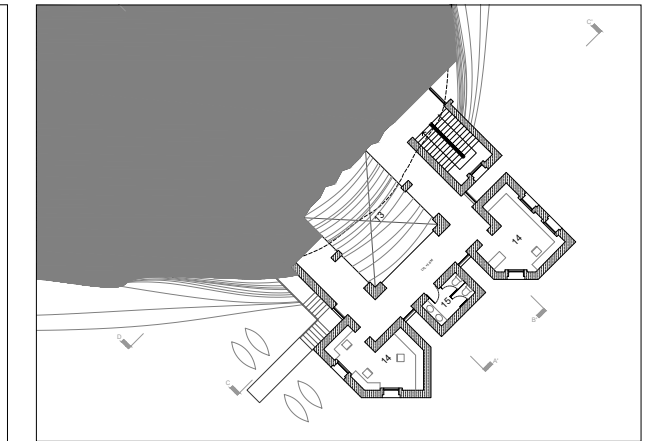
PLAN AT 0+2.7M

01



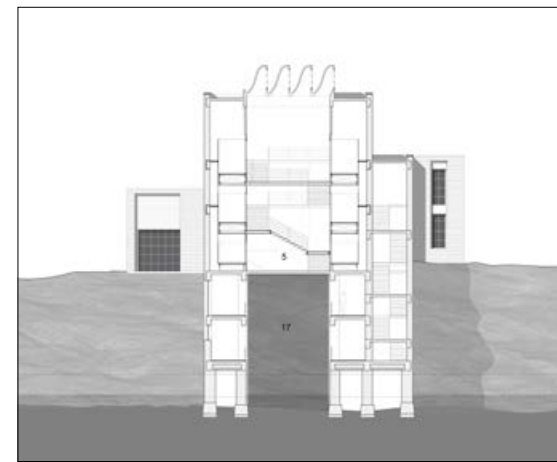
PLAN AT 0+5.7M

02



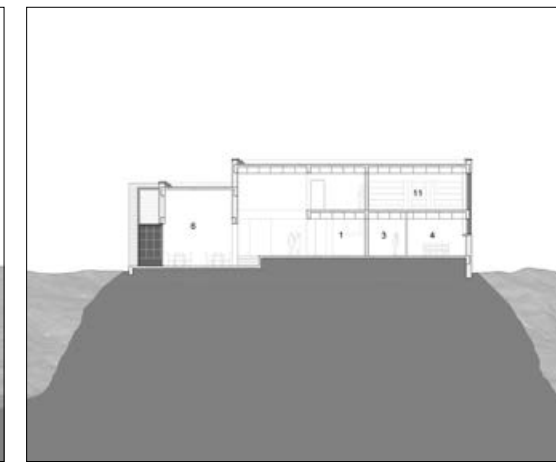
PLAN AT 0-4.5M

03



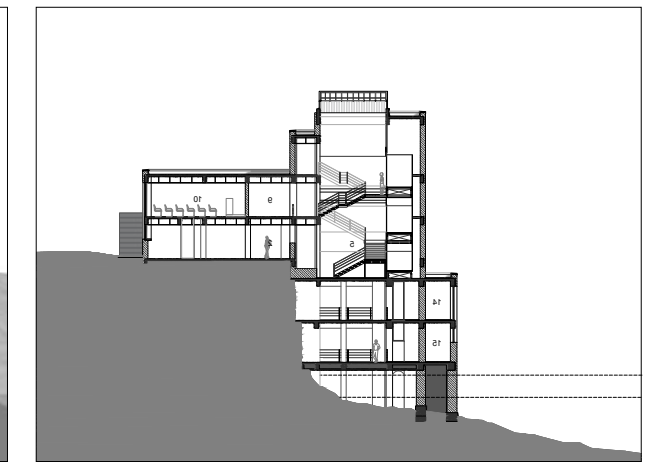
SECTION CC\'

04



SECTION DD\'

05



SECTION BB\'

06

The form of the plan arose from the formation of the diu fort bastion in the background. The additive massing creates a unique way of organizing spaces and articulating openings. The central double height space acts as the aggregate bringing the spaces together.

# tensegrity pavilion

EXCHANGE S23 : SEMESTER 8  
LOCATION : PARIS, FRANCE  
AREA : 20 SQ M

The principles of tensegrity was tested through a series of iterations and then refined to build to scale. Wooden members of 4m length creates a spiral form, tensioned with cables and hardware, almost making it feel like the members are floating



DETAIL OF TENSION CABLES



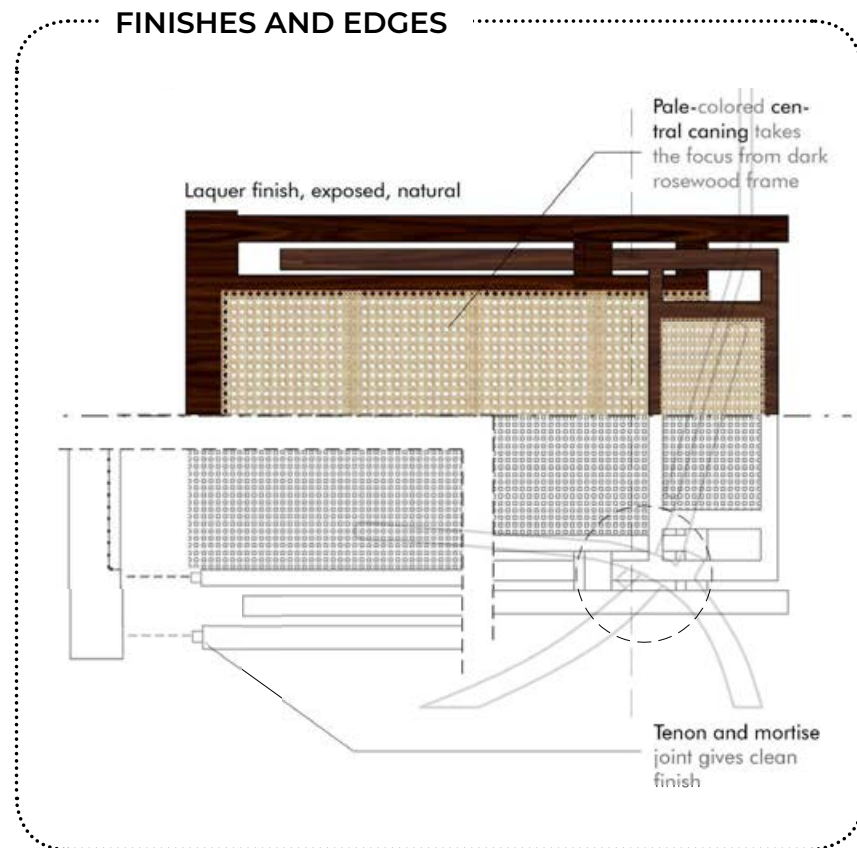
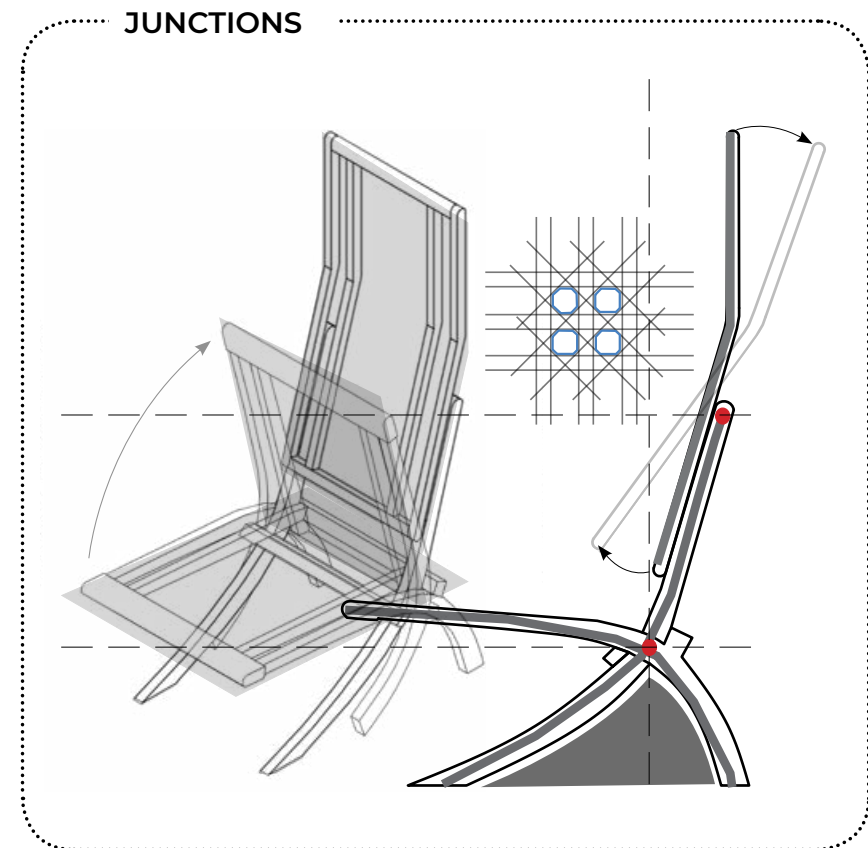
ITERATION 1



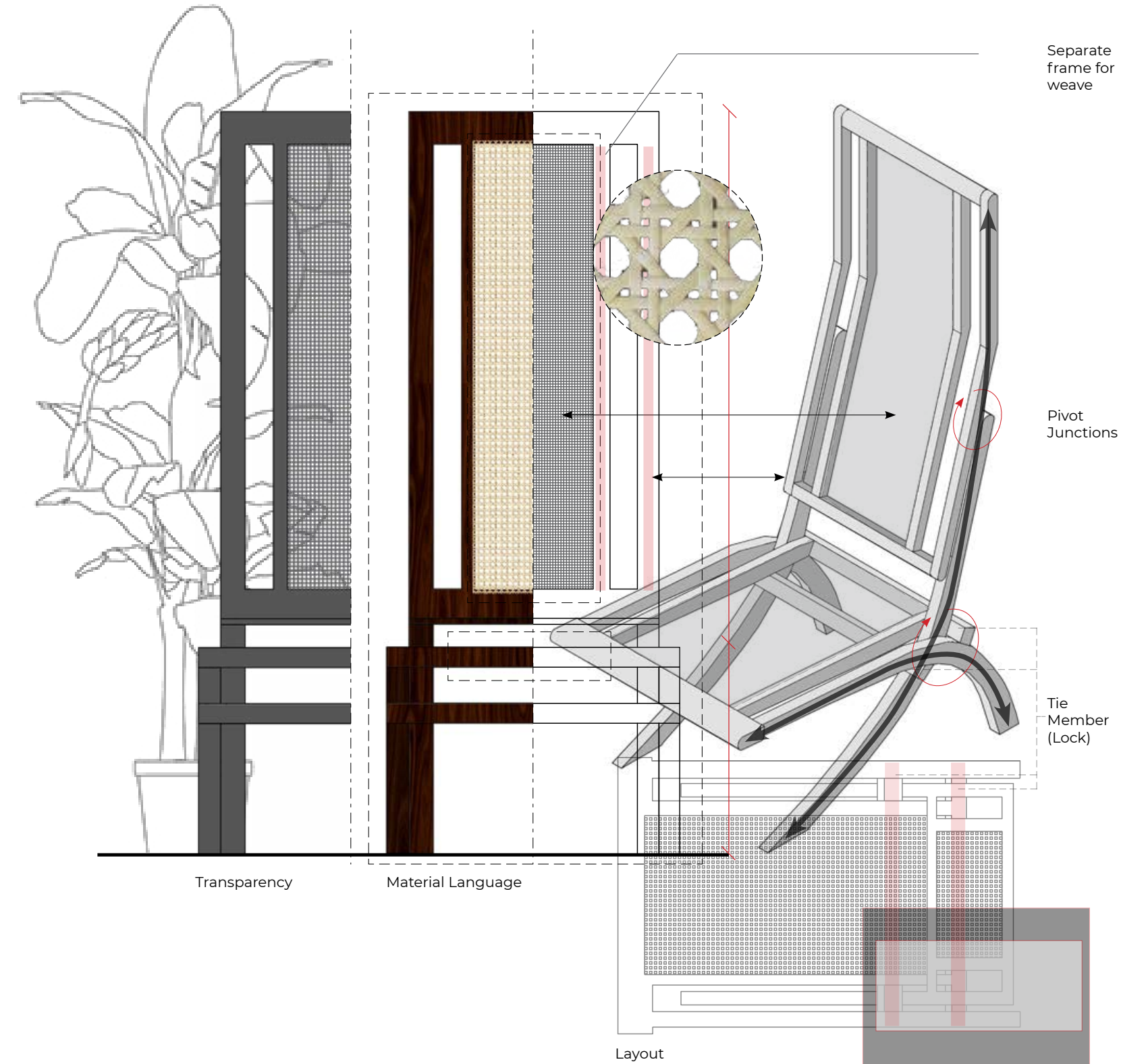
# furniture tectonics

SPRING 2021 : SUMMER SCHOOL  
 LOCATION : AHMEDABAD, GUJARAT  
 AREA OF STUDY : ANALYSIS

Studying the tectonics- Material, form, detail, ergonomics and character of a given furniture through diagramming and later reinterpreting the design and designing it for a different user experience. The folding chair made of 2 parts interlocked and pivoted to open into a chair or closed to store away in a corner was a unique design to be studied.



## MATERIAL, LANGUAGE, LAYOUT



# lebbeus woods

SPRING 2021 : SEMESTER 5  
LOCATION : BERLIN, GERMANY  
AREA OF STUDY : RESEARCH ESSAY AND ILLUSTRATION

Exploring Lebbeus Woods through his influences, thinking and works and creating collages and illustrations to attain clarity. The text written as an essay is used to help the reader identify the meanings of the illustrations which in turn tell the story of the architect and the chosen project, here, his vision of underground Berlin.

## limitless architecture

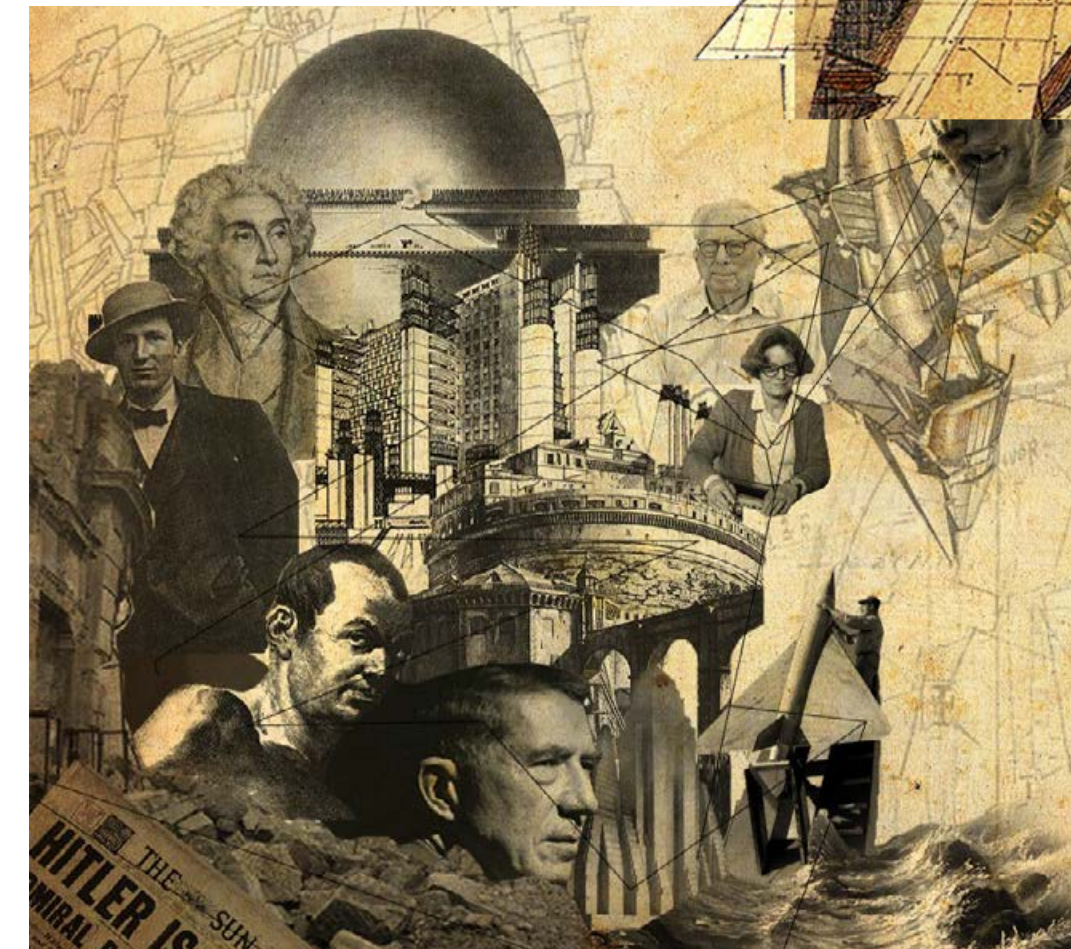
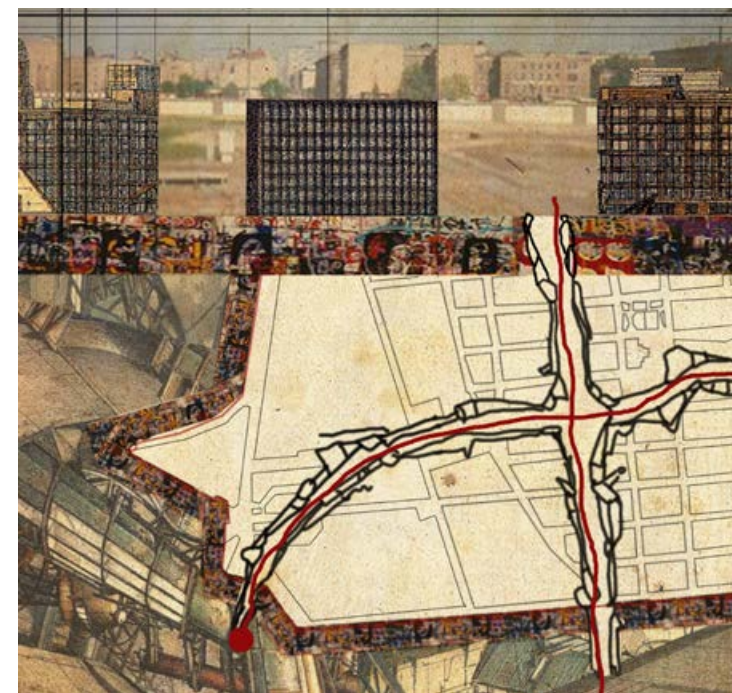
Lebbeus Woods, drawn into the ideals of destruction and war to envision a future where architecture is inspired from the ideals of chaos. He dared to question the conventional rules that governed architecture, found himself to be the most expressive of his emotions and concepts through his expert skills in drafting and rendering revolutionary drawings of floating buildings, re-imagining artificial landscapes and underground cities.

May 31, 1940, born in Lansing, the capital city of Michigan, US, Lebbeus Woods spent the majority of his childhood in military bases and air force fields as his father served as an officer in the air force. He learned to visualize buildings by drawing and rendering the buildings at his father's office. This pushed him forth to explore this line of work in the future. He saw world war 2, nuclear fusion, the use of radar, space exploration, and the advancements in technology taking over the jet engines. He also gained interest in resolving technical problems and engineering when his father created test facilities for jets. Such is clearly reflected in his later works. Lebbeus Woods learned technical skills at the University of Illinois, and engineering at the University of Purdue. He met with Heinz von Foerster, a cyberneticist, with whom he spent a lot of time and started illustrating his concepts in epistemology and started to question his learnings of engineering and architecture with human knowledge. His works blended with the concepts of deconstructivism when he collaborated with Cedric Price on

the Archigram movement, and pushed him forward to illustrate parallels to the literary theory. His typical rendering style of tarnished surfaces and ragged planes is inspired by the drawings of Raimund Abraham drawings.

He found his interest in conceptualizing ideas, and even though he called himself an architect, he never had a degree nor received a license to practice architecture. He worked with Eero Saarinen. The influence of these, translated into the drawings that he created. The 1960s was a time when architecture started to be questioned, with architects Robert Venturi and Denise Scott Brown. Woods realized and thought that architecture is about spontaneity and unpredictability and not just a mere service. He wanted to create a world free of conventional restrictions.

Lebbeus Woods, drawn into the ideals of destruction and war to envision a future where architecture is inspired from the ideals of chaos. He dared to question the conventional rules that governed architecture, found himself to be the most expressive of his emotions



▲ Underground Berlin is a drawing series that shows fictitious landscape and architecture, giving rise to a dystopian narrative into the history of Germany.

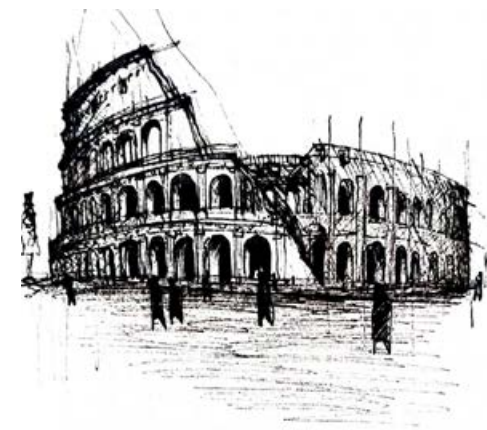
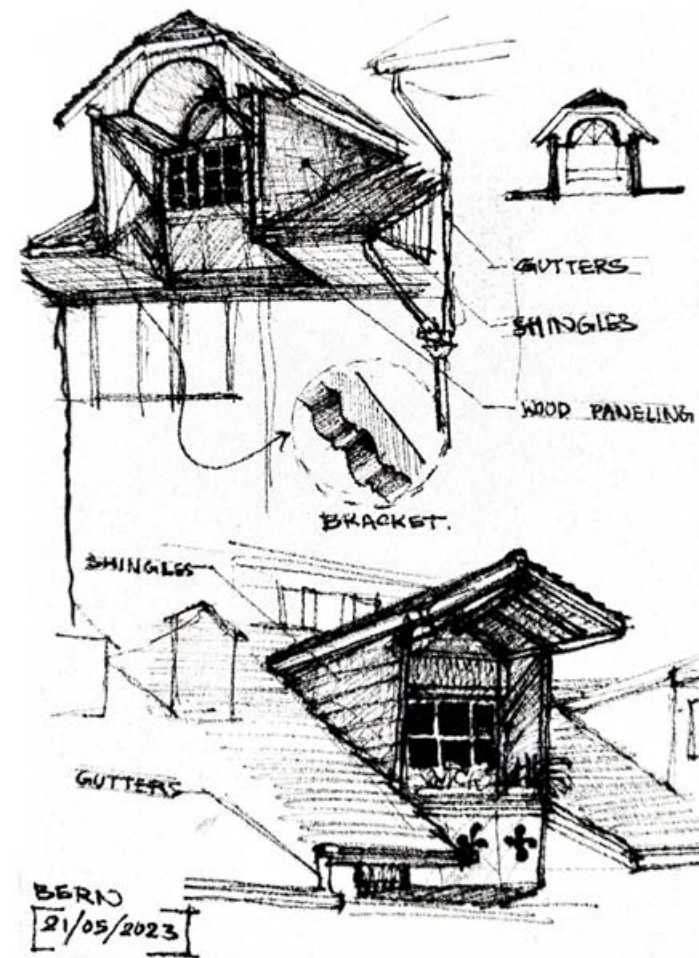
◀ The early influences include events in history, people, inventions that lead Woods to think in a dystopian lens



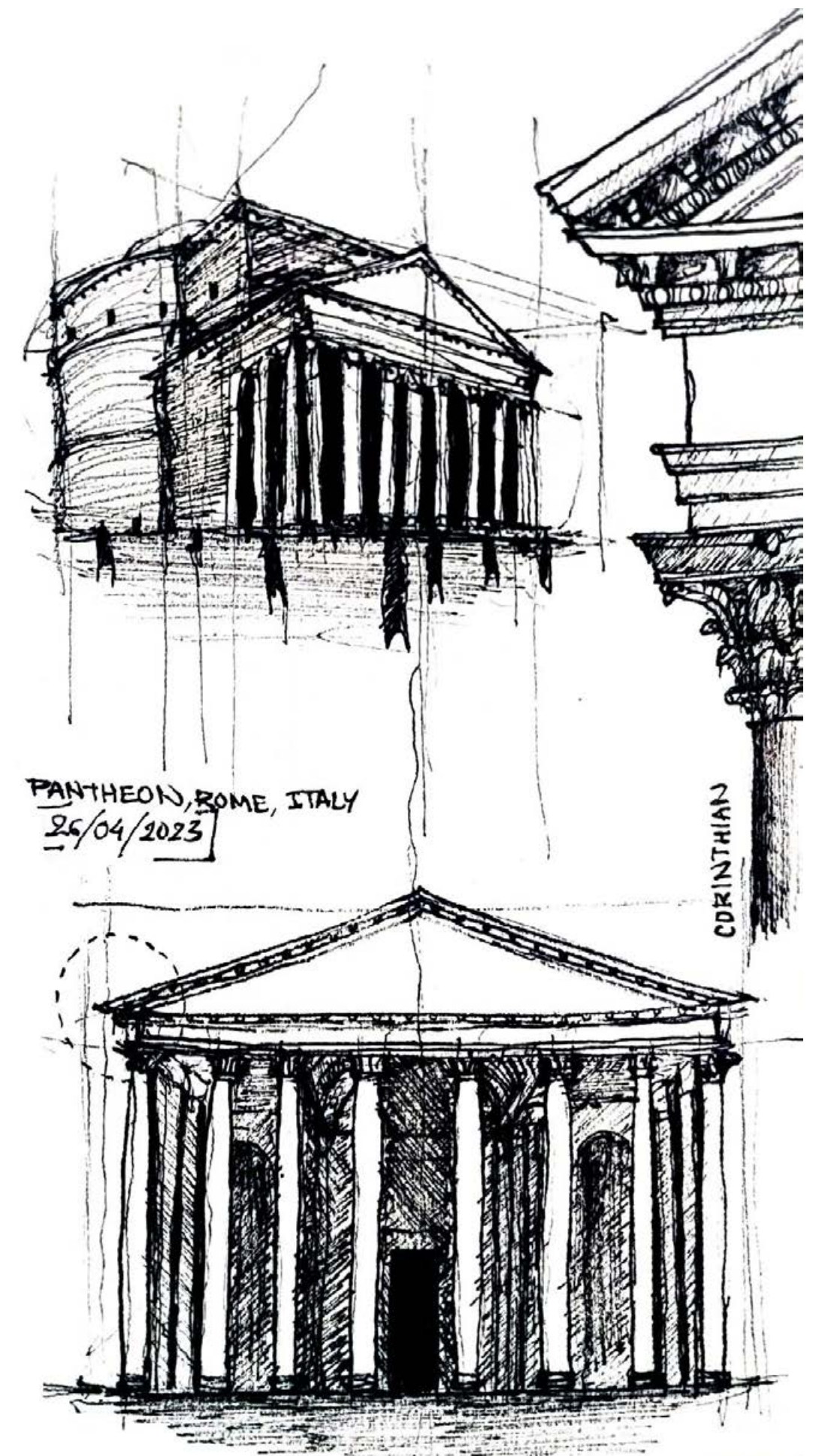
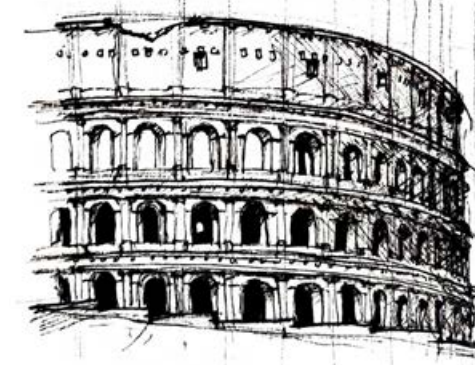
# more than architecture

## SKETCHING AND THINKING

Sketching is a powerful medium to observe more and record what interests me in architecture during my travels while also training the hands to think quickly through the pen. Giving freedom to the strokes and abstracting the edges, surfaces and colors, create beauty in the mess.

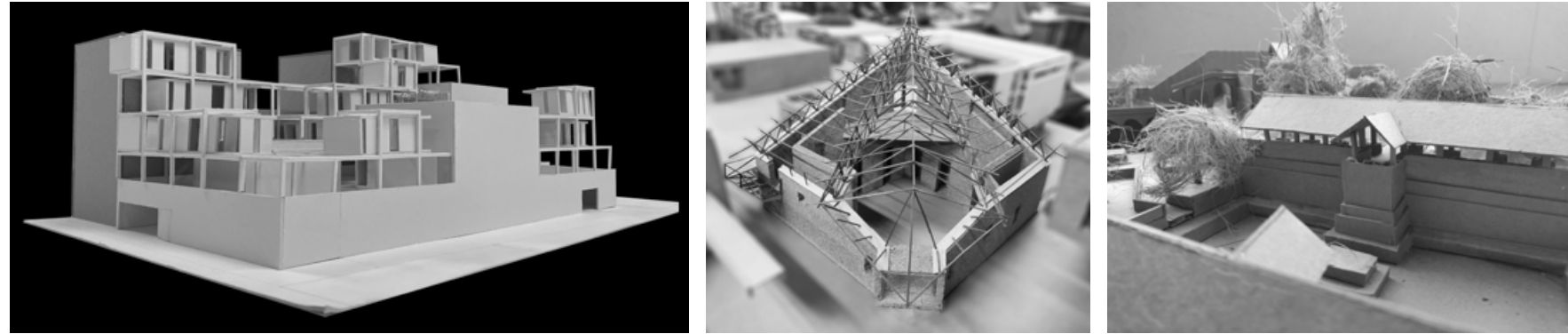


ROMAN COLOSSEUM  
ROME, ITALY  
24/04/2023 2:13



## MODEL MAKING

Thinking through an endless amount of process models helps in conceptualizing and visualizing every part of the design journey



## WORKSHOPS

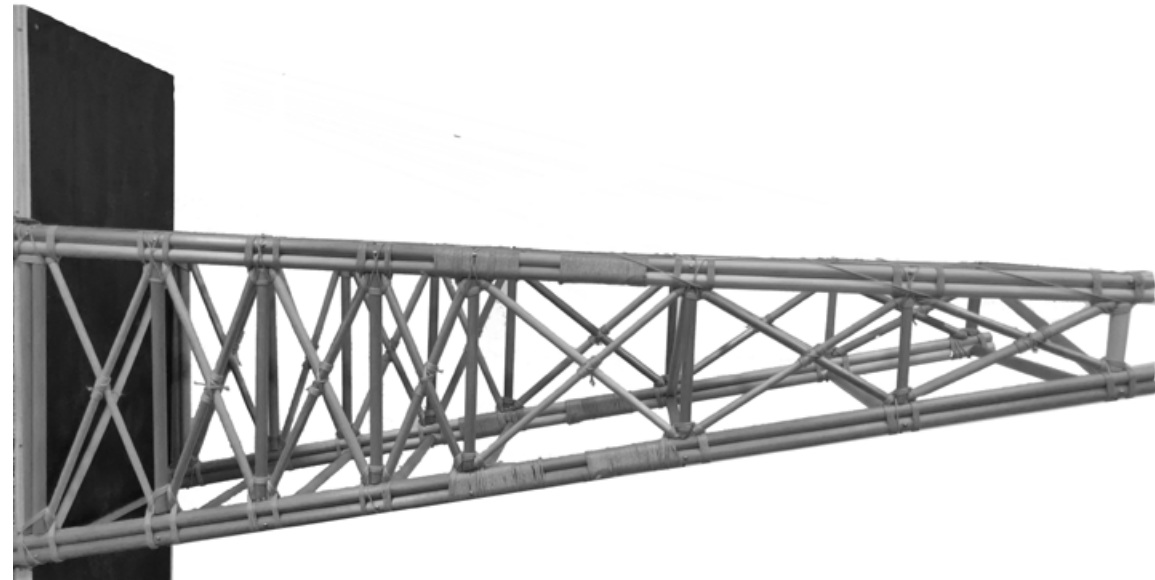
Non academic workshops like hands on construction, software classes and interests like theatre, dance, and painting.

### THEATRE



## TESTING CANTILEVER PROPERTIES

Designing and testing the strength of a 600x150mm cantilever by loading bricks. Studying Load transfer properties using reed sticks and thread lashing.



## ARCHES, VAULTS AND DOMES

A 6 day hands on workshop in Auroville, Tamil Nadu, focused on the theory and construction of arches, vaults and domes with bricks.



## PHOTOGRAPHY

CAMERA : CANON EOS REBEL T7

LENS : 33-57MM FOCAL LENGTH

Un-edited photography is a recently developed hobby of mine, started from my exchange semester in Paris. I trained my eyes to see objects, scenes and architecture in frames and compositions that bring out a story, often missed in another person's perspective.



### BUDAPEST, HUNGARY

Chaos under the light

f/5.6

1/200 sec

ISO-3200



### NICE, FRANCE

When one hides, the other shows

f/5.6

1/125 sec

ISO-100



### VIENNA, AUSTRIA

Let your eyes deceive you

f/3.5

1/30 sec

ISO-400



### POISSY, FRANCE

Toilet is the most sacred space

f/4

1/1600 sec

ISO-400



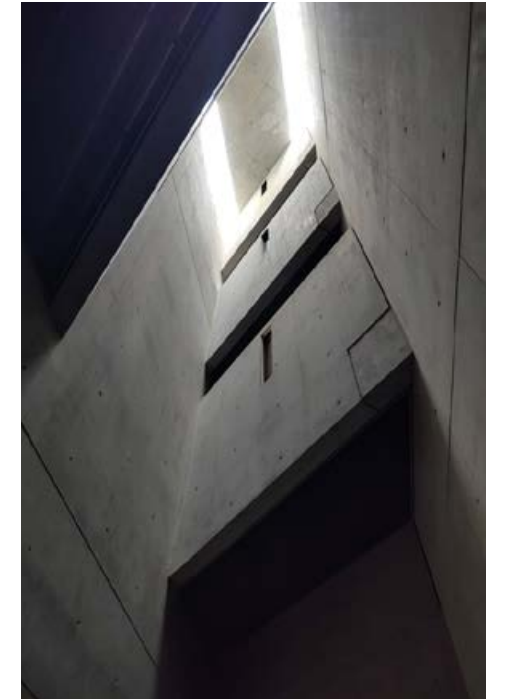
### BASEL, SWITZERLAND

Breathe the light and dark

f/4.5

1/1250 sec

ISO-100



### BERLIN, GERMANY

Don't be scared, just listen

f/4

1/25 sec

ISO-400



**BUDAPEST, HUNGARY**

Sneaking on the fingers of a pianist

f/5.6 1/60 sec ISO-3200



**BORDEAUX, FRANCE**

Bakers got no breaks

f/5.6 1/20 sec ISO-100

thank  
you

naureen sultana feroz  
architectural portfolio