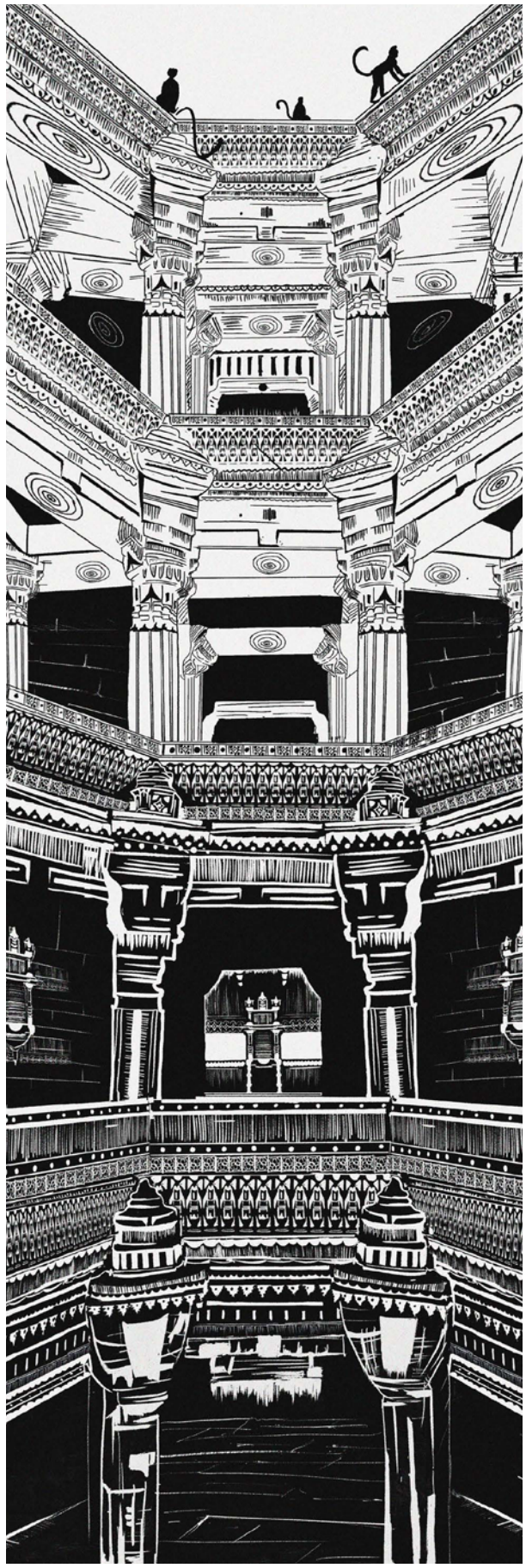
Bachelor's in Architecture

SELECTED WORKS

2021 - Present

Sarthak Agarwal
CEPT University, Ahmedabad





SARTHAK AGARWAL

4th Year of B.Arch (Completed)

Gujarati/Hindi/English

"I am an ambitious and hardworking student currently pursuing a career inarchitecture. My dedication to excellence and lifelong learning drives me to continuously develop my skills and explore innovative approaches in my field. I believe in dreaming big and working daily to achieve those dreams. I approach every endeavor with sincerity and discipline, always putting forth my best effort. Whether in academic projects or extracurricular activities, I recognize that every moment invested contributes to my personal growth and overall success. I am committed to broadening my horizons and presenting my creativity and knowledge effectively in everything I do."

Male [he/his]

23 yrs old [October 12th, 2002]

+91 7906710676

sarthak.u21117@cept.ac.in

https://portfolio.cept.ac.in/student/sarthak-agarwal-uar21117

25, Vijay Lok Colony
Mawana Road, Meerut
Uttar Pradesh, 250001, India

EDUCATION

- **DEWAN PUBLICSCHOOL**
  Dewan Public School (2012-2020) - Meerut, Uttar-Pradesh
- **CEPT UNIVERSITY**
  B.Arch, Centre of Enviroment Planning and Technology
- **Politectcnico Di Milano - POLIMI**
  B. Arch, Exchange Semester Spring 2025

WORKSHOPS

- **HUNNARSHALA**
  Workshop for Earthen Construction Techniques with
  Sankalan Hunnarshala, Bhuj
- **CLAY WORKSHOP**
  Exploring Ceramics Forms by
  Sneha Kashikar
- **CEPT WORKSHOP TRAINING**

INTRESTS

- Travelling
- Lamp Designing
- Meditation
- Swimming
- Cycling

WORIKING EXPERIENCE

- *Bamboo Resort : Waghai | Mangesh Belsare*
- *Neelkanth Chhayas Exhibition : Model |Neelkanth Chhayas Architect*
- *Reserach & Diagram - Monolougue: Anant Raje | Shubhra Raje.*
- *Artist Residency, Ahmedabad (Ongoing)*
- *Weekend House, Thol (Ongoing)*

ACADAMIC ACHIEVEMENTS

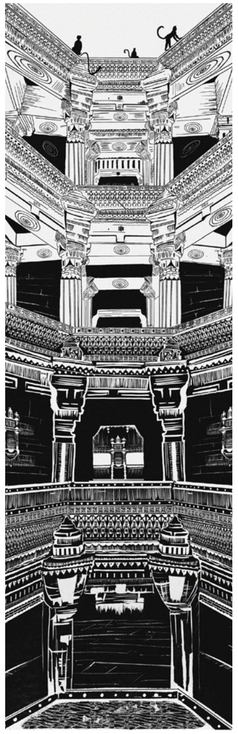
- Nominated for CEPT Excellence Awards- monsoon '22 (Span and Space: Exploring Tectonics in Architecture)
- CEPT Excellence Awards- Spring '24 (for Masters Stroke: Matters of Architectural Language)
- Best Studio Award (2022-23)
  Faculty of Architecture, CEPT University

COURSES

- **STUDIOS**
  - Span and Space By Mangesh Belsare
  - Tectonic Operations IX By Smit Vyas
  - Spatial Fabulations By Shikha Parmar
  - Masters Stroke By Sachin Soni
  - Towards a Critical Project and a Project of Critique By Shubhra Raje
- **SUMMER WINTER SCHOOL**
  Documenting the Changes in Vernacular Architecture of Villages in Niti Valley, Uttarakhand
- **DOCUMENTATION**
  - Faculty of Achitecutre and Faculty of Planning buildings of CEPT campus
  - Sarkhej Roza
  - Gandhi Ashram
  - LD MUSEUM OF INDOLOGY

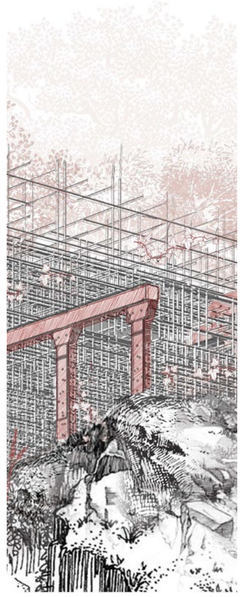
SKILLS

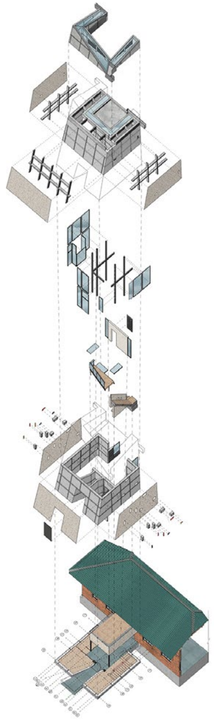
- **HANDS ON**
  - Metal and Wood
  - Bamboo
  - CSEB
  - Fabrication : Laser Cutting, CNC, 3D- Printing Timber
- **MANUAL**
  - Model Making
  - Hand Drafting
  - Sketching (multiple mediums)
- **DIGITAL**
  - AutoCAD
  - SketchUp
  - Rhinoceros 3D
  - Adobe Photoshop
  - Adobe Indesign
  - Adobe Illustrator
  - Adobe Lightroom
  - Sketchbook
  - Enscape
  - Microsoft Office
  - Revit (Beginners)
  - Grasshopper (Beginners)



1 SEAMLESS SERENITY
A PLACE FOR
WELLNESS &
MINDFULLNESS

2 TRELLIS
A TERRITORY WOVEN
AMIDST NATURE

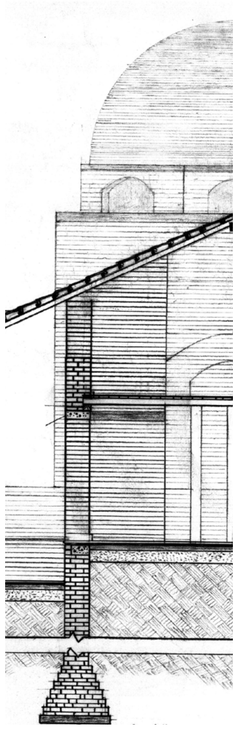




3 CARAPACE
ADMINISTRATIVE
OFFICE AND
SOUVENIR SHOP

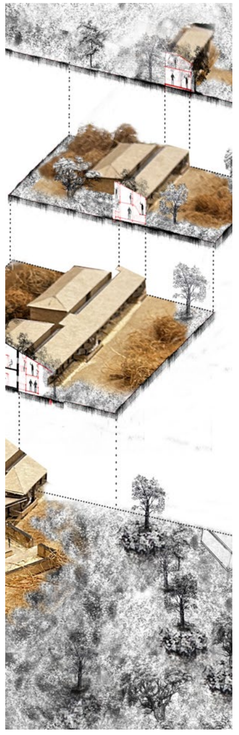
4 URBAN COURTYARD
A MIXED USE
RESIDENTIAL
COMPLEX

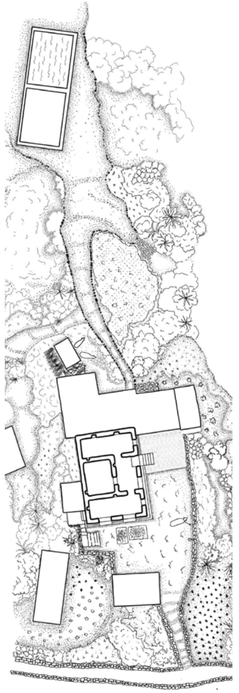




5 ANUBHAV
A PLACE TO EAT
AND READ

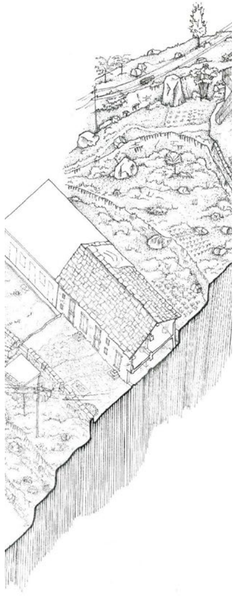
6 UCGH
UNIVERSITY
CONSORTIUM GUEST
HOUSES





7 ON-FIELD

8 APART FROM STUDIO



1

Cept Excellence Award Winner

MASTER STROKE

SEAMLESS SERENITY

DESIGNING STUDIO

Studio - Masters Stroke: Matters of Architectural Language

Faculty: Sachin Soni
TA: Vishnu Vasudevan

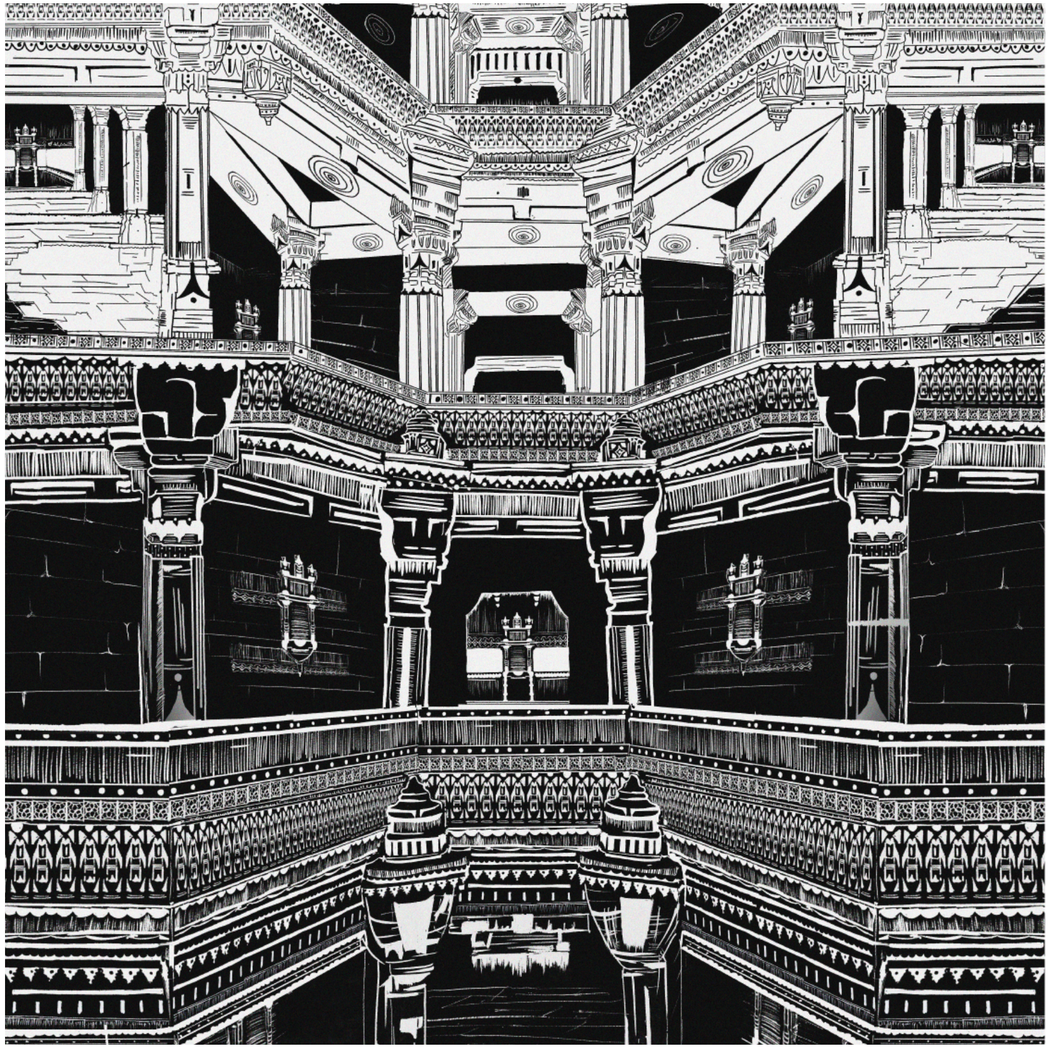
The idea of the place of wellness is based on the continuity of routine in our lives. By carving out mass from the existing landscape and minimal intervention of portals, the proposal extends this idea of continuity to the built environment.

The project is mainly based on two kinds of spaces-one that is individualistic and experiences silence through subtraction and the other is communal and experiences the open landscape through addition. The corridor that connects the two horizontally cascades over the landscape, while occasionally water becomes the element that connects the spaces vertically.



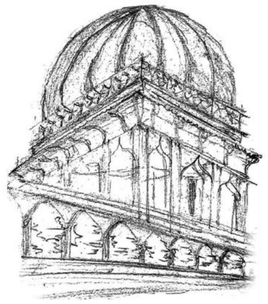


Bai Hari NI Vav, Ahmedabad



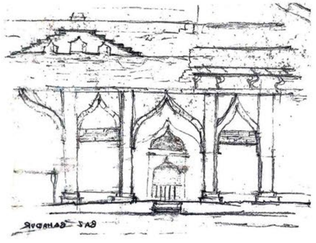
MANDU

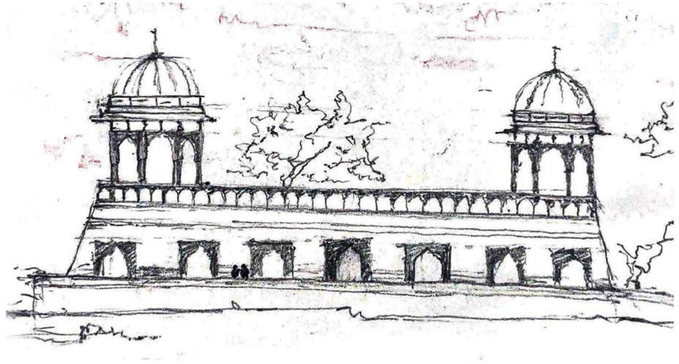
A GUIDE TO THE CITY

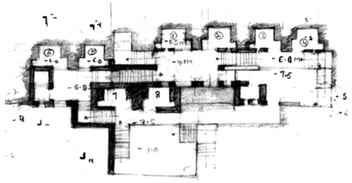


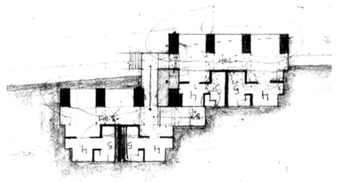


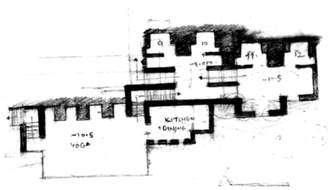


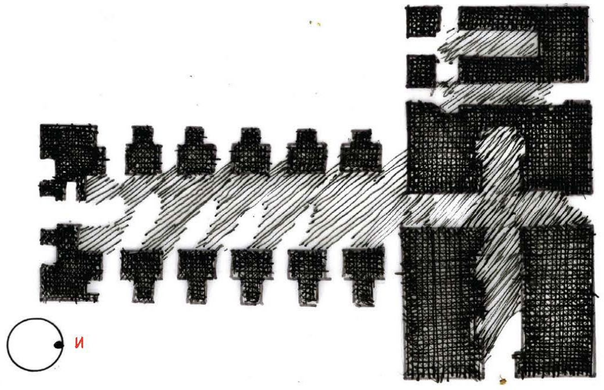


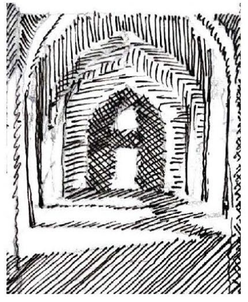






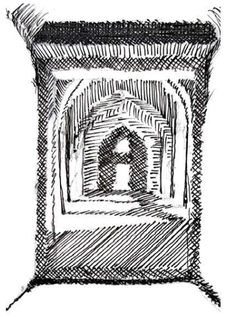


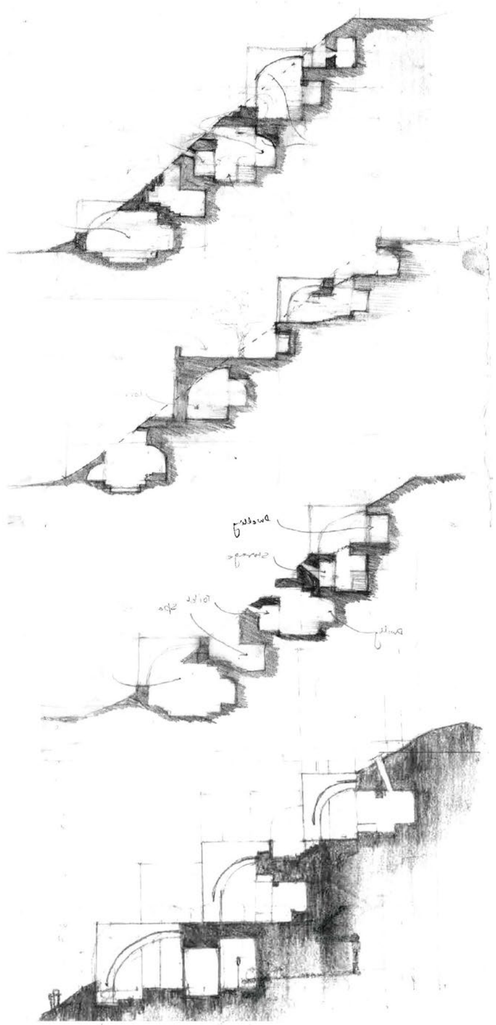














2

SPATIAL FABULATION

VISUALISATION STUDIO

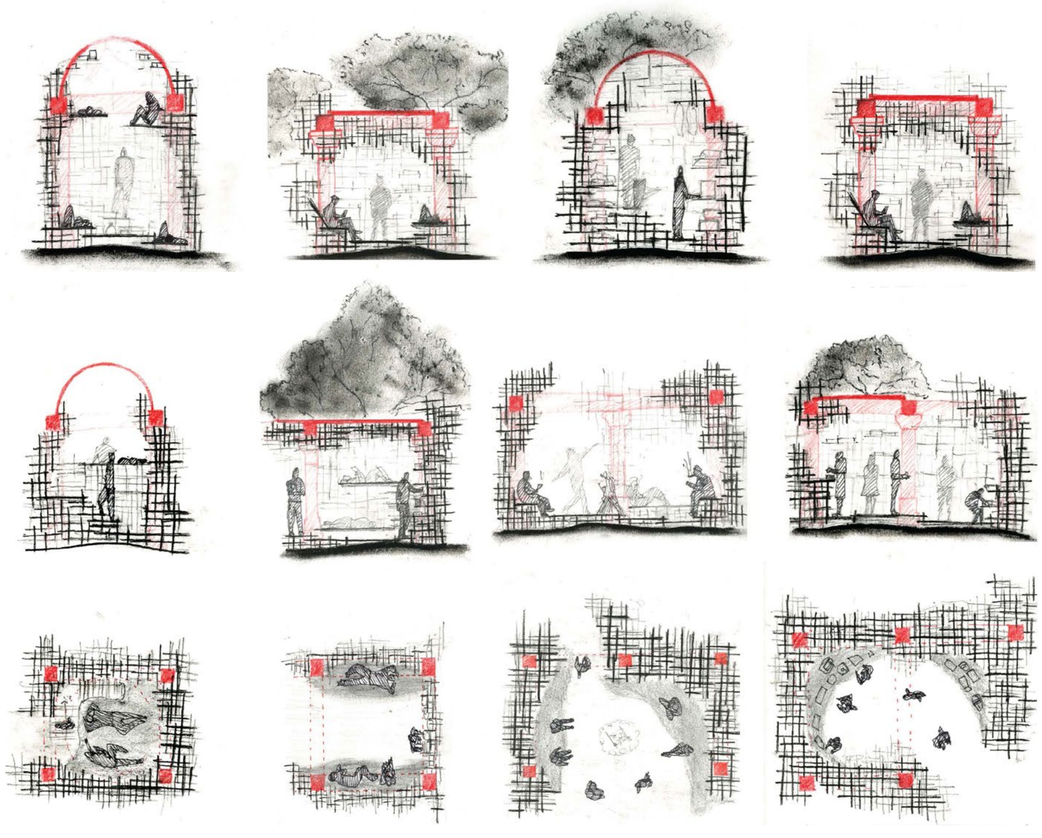
Studio : Spatial Fabulations. Constructing and Communicating imagination

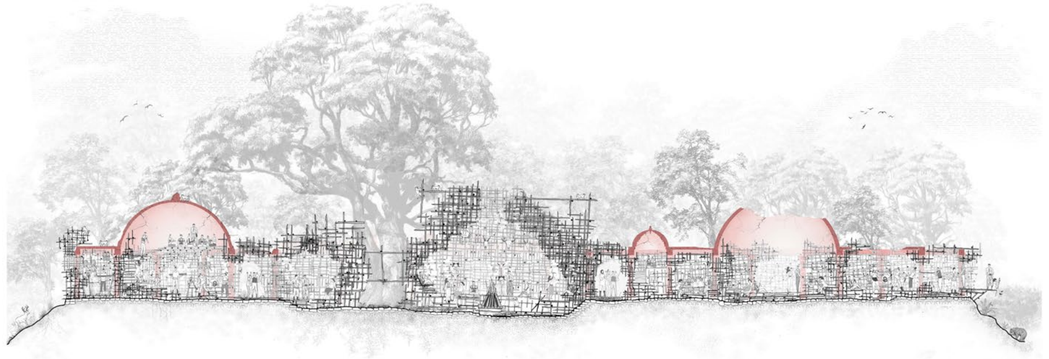
Faculty: Shikha Parmar | Manthan Mevada
TA: Vipul Gupta

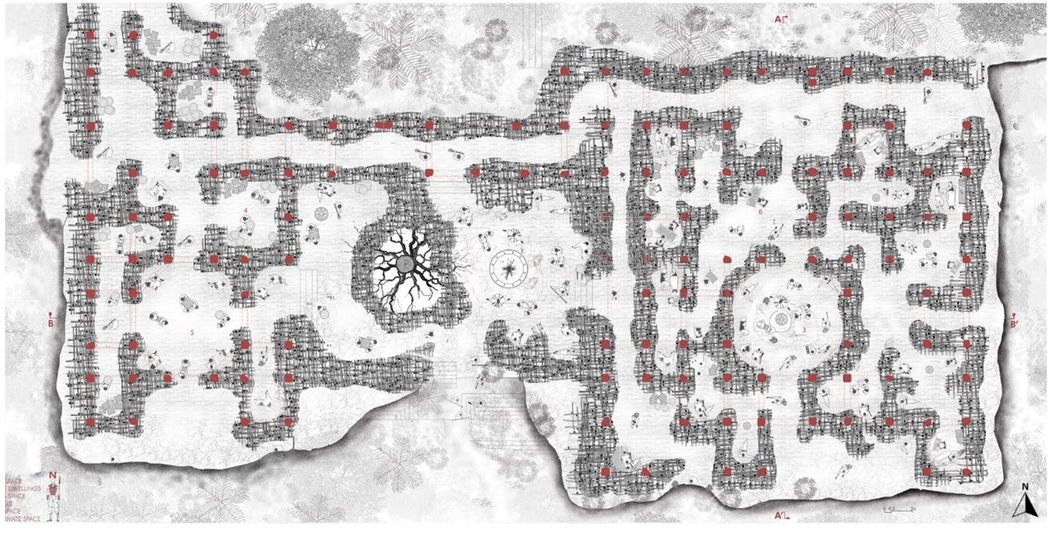
The Bhediye of Jura, a group of people who hunt and gather resources for the entire Jura community, are the intended users of the lattice-like structures. They arrived at their hunting location, placed the traps, and waited until the end of the hunt.

As soon as they discovered the location with the grid of columns and beams, these people began defining their region with a lattice-like structure. The four columns are encircled by a lattice that provides a sense of security while preserving the porosity that enables them to maintain a connection with nature. This single module turns to 4 and then takes a cluster-like formation, weaving around the existing colonnade, giving rise to a community of hunter and gatherers.

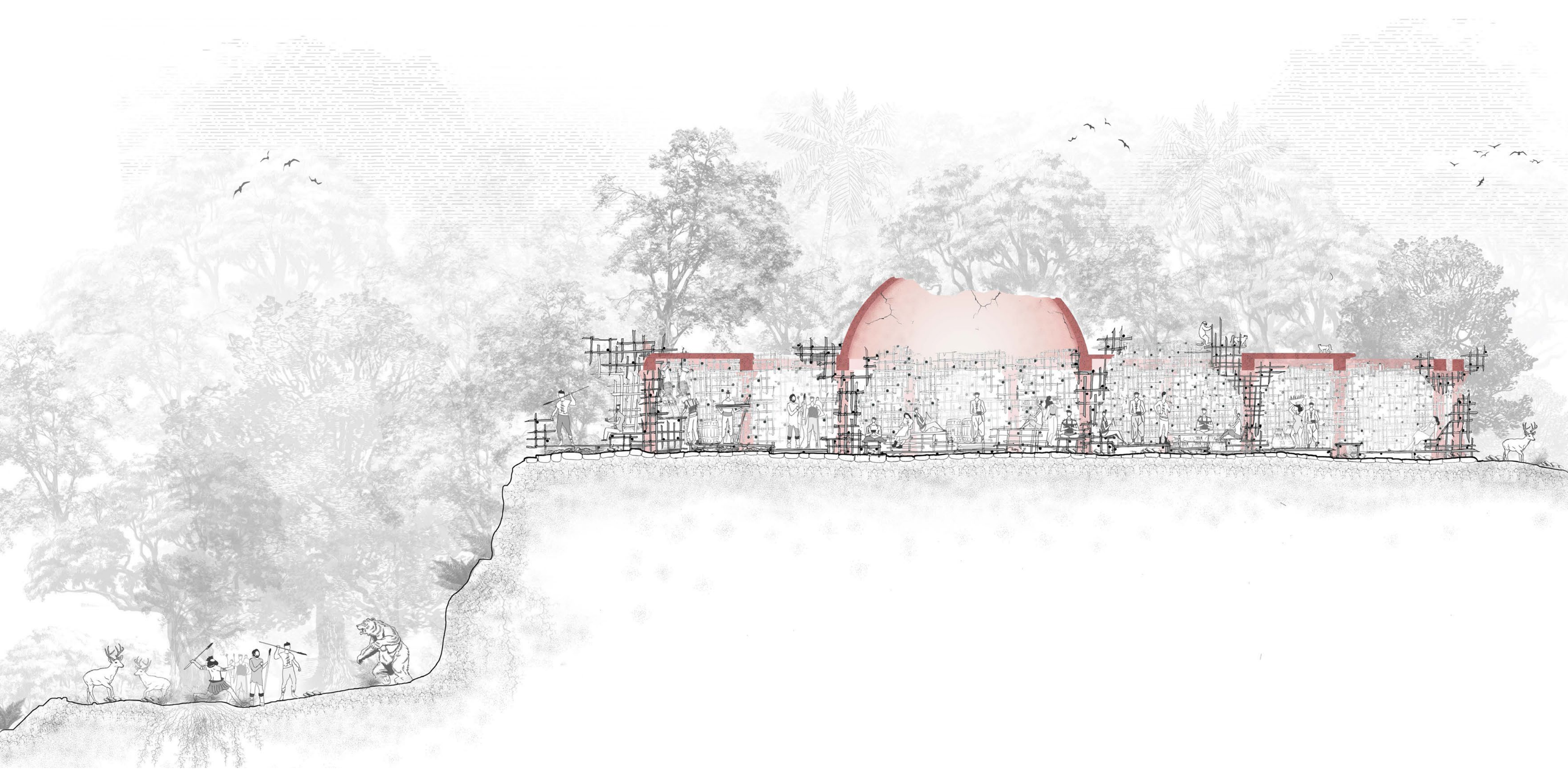








Exploration of spaces through part plans & sections.



3

CARAPACE

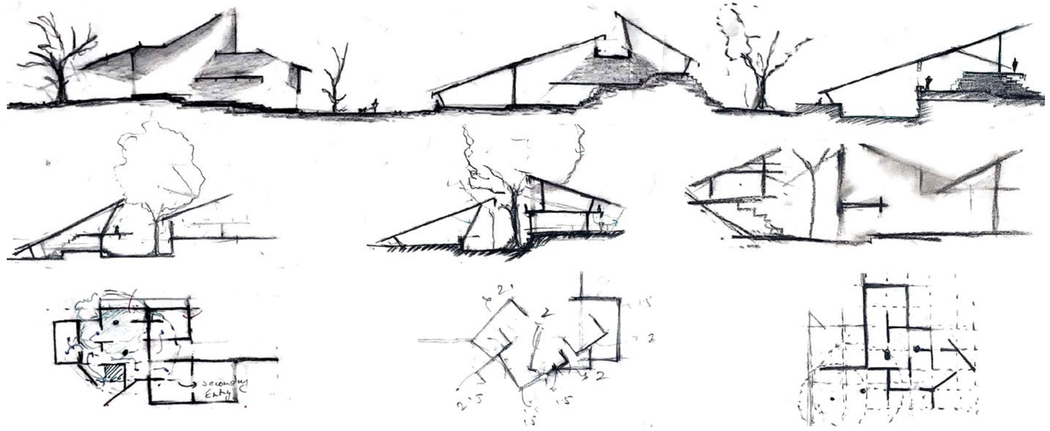
WORKING DRAWING AND DETAILING STUDIO

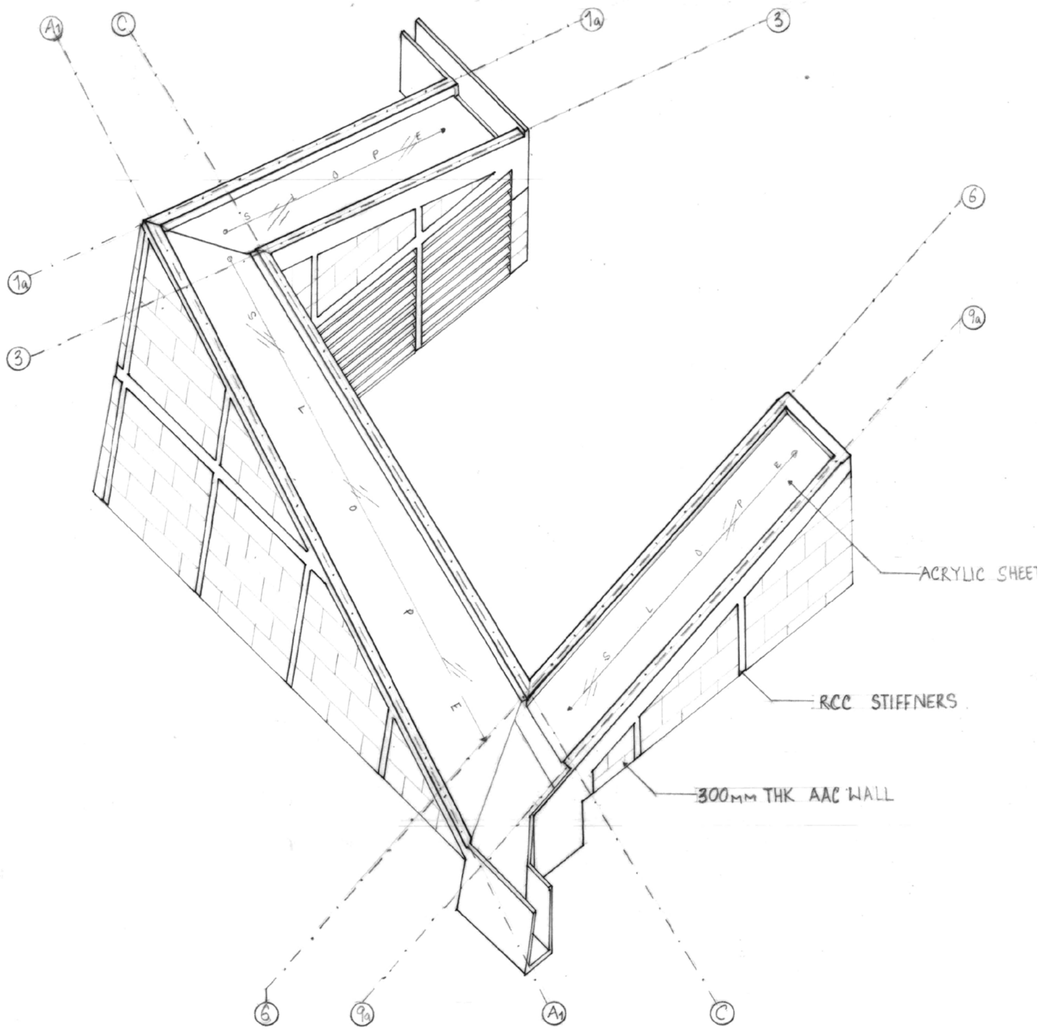
Studio : Tectonic Operations IX

Faculty: Smit Vyas
TA: Vihar Sangani

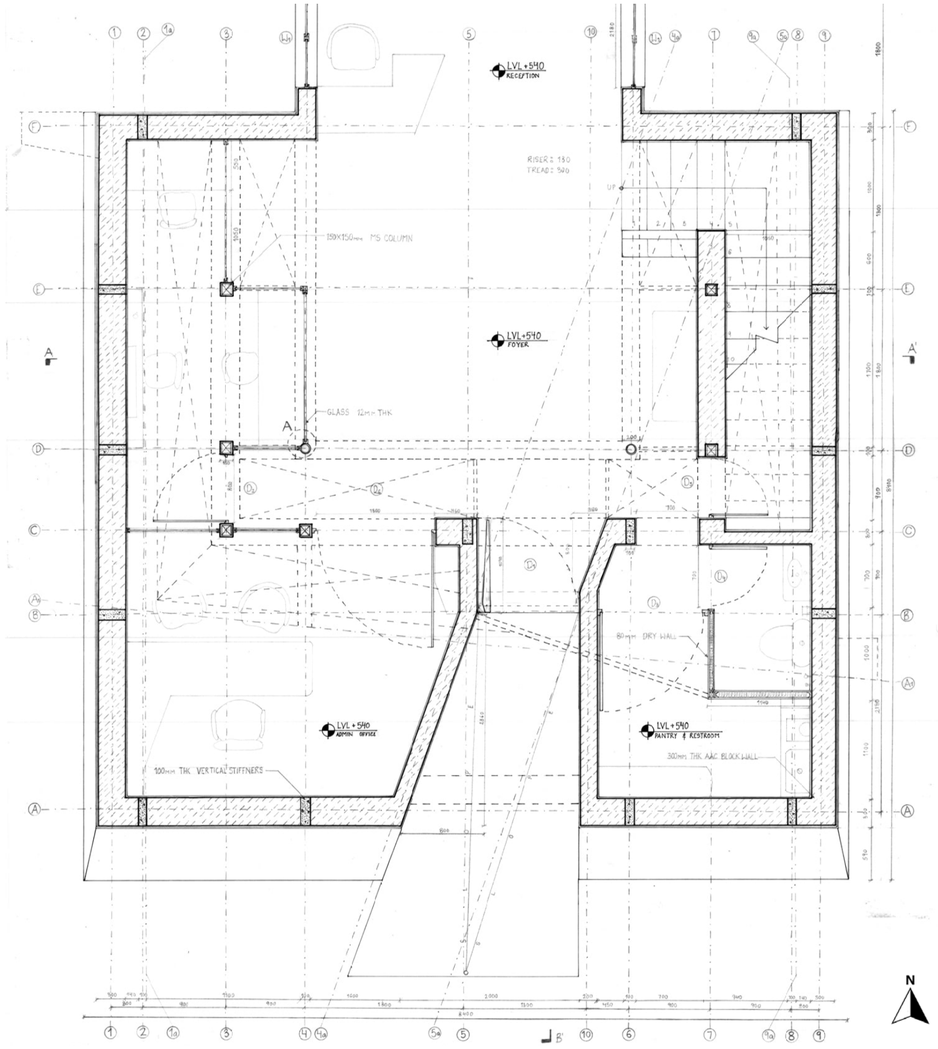
The project focuses on reinterpreting an existing entry to give it a distinct character, blending operational and symbolic elements. The approach involves maintaining the continuity and fluidity of the old entry while wrapping a program around it, forming a pyramidal shape to symbolize the entrance.

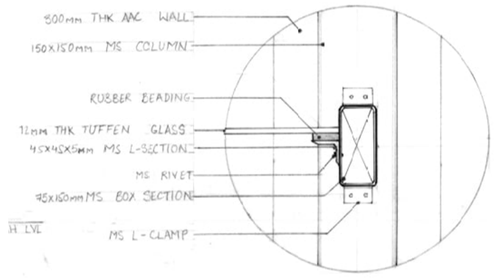
The program incorporates both operational and symbolic aspects, with the external structure representing solidity and the entry point. Inside, a contrast emerges with broken surfaces allowing ambient natural light, creating an ethereal environment. The interior features a soft, darkened core illuminated by wall-washed light, providing a striking juxtaposition to the solid symbolic exterior.



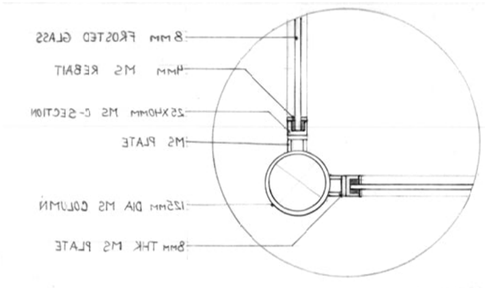


Axonometric Drawing of Roof

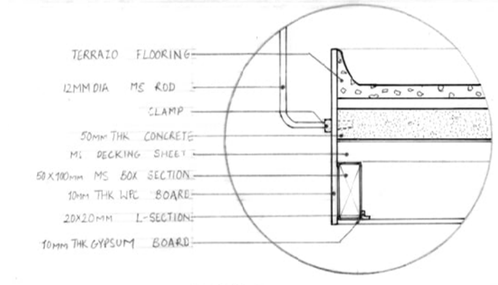




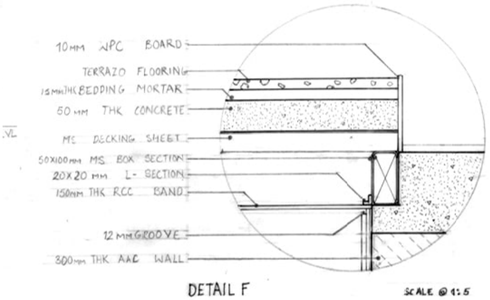
DETAIL G SCALE @ 1:5



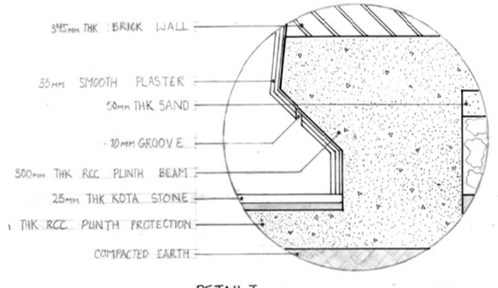
DETAIL A SCALE @ 1:5



DETAIL E SCALE @ 1:5



DETAIL F SCALE @ 1:5



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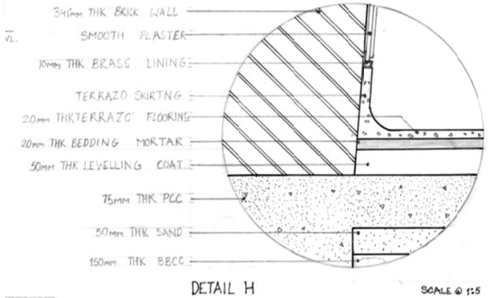
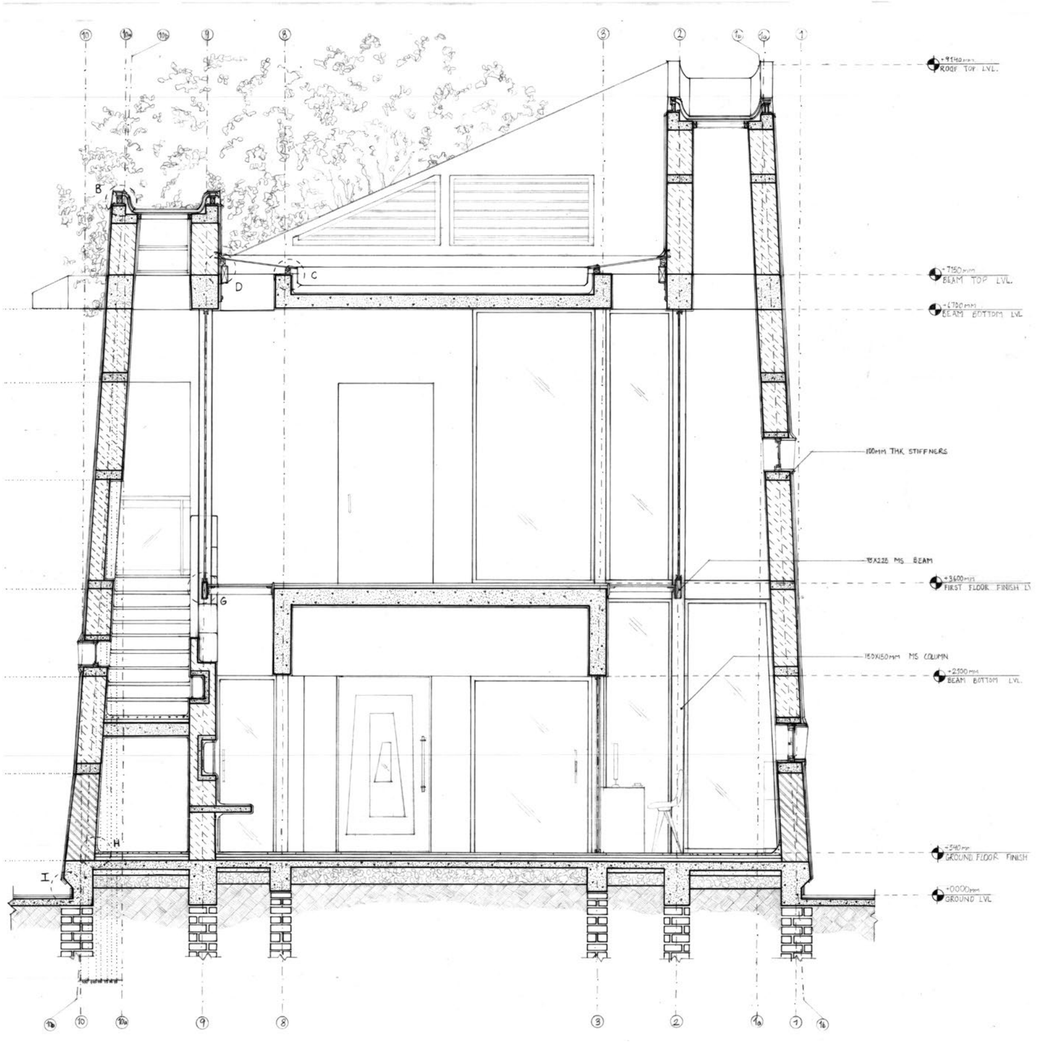


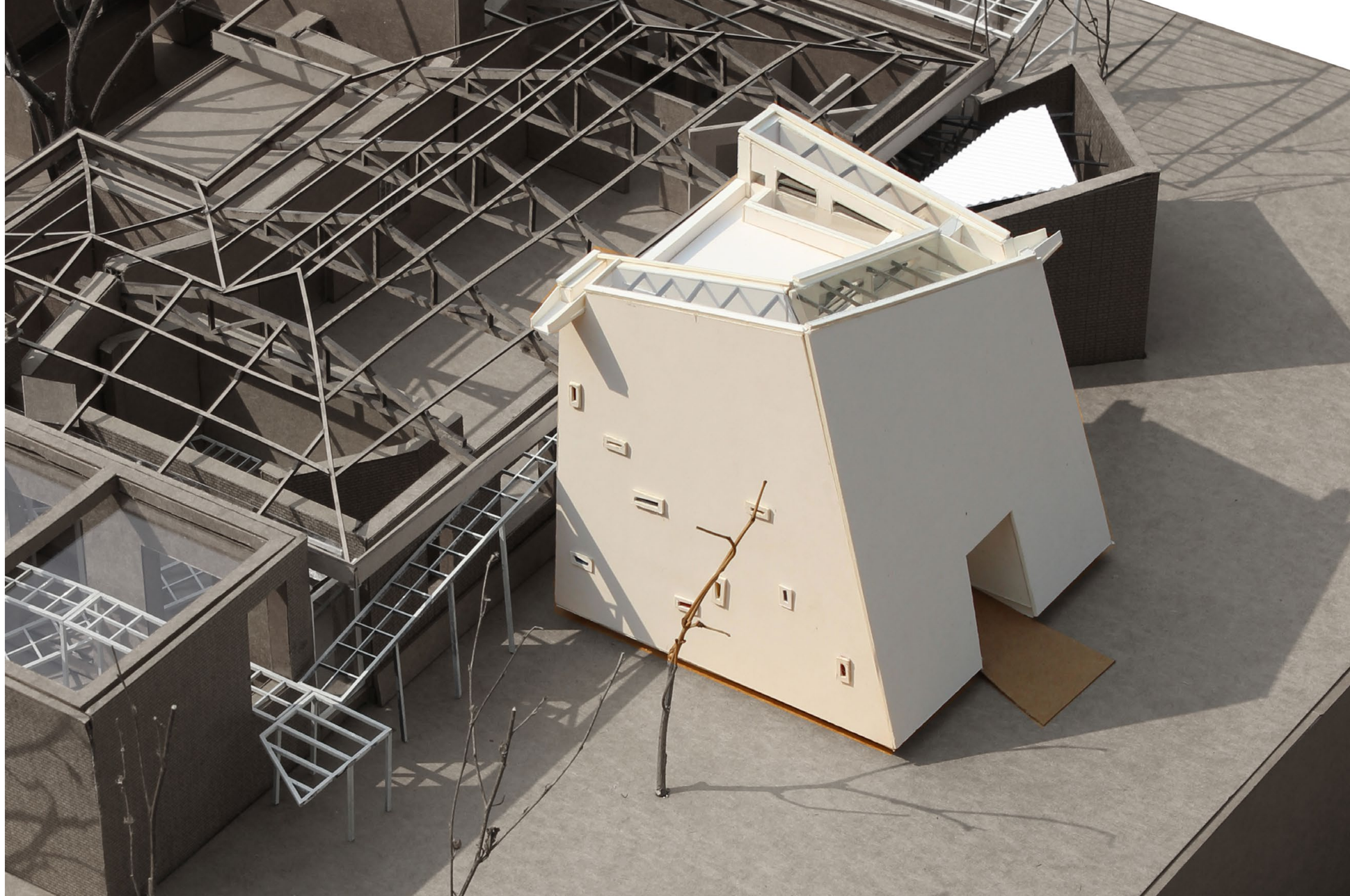
DETAIL H SCALE @ 1:5

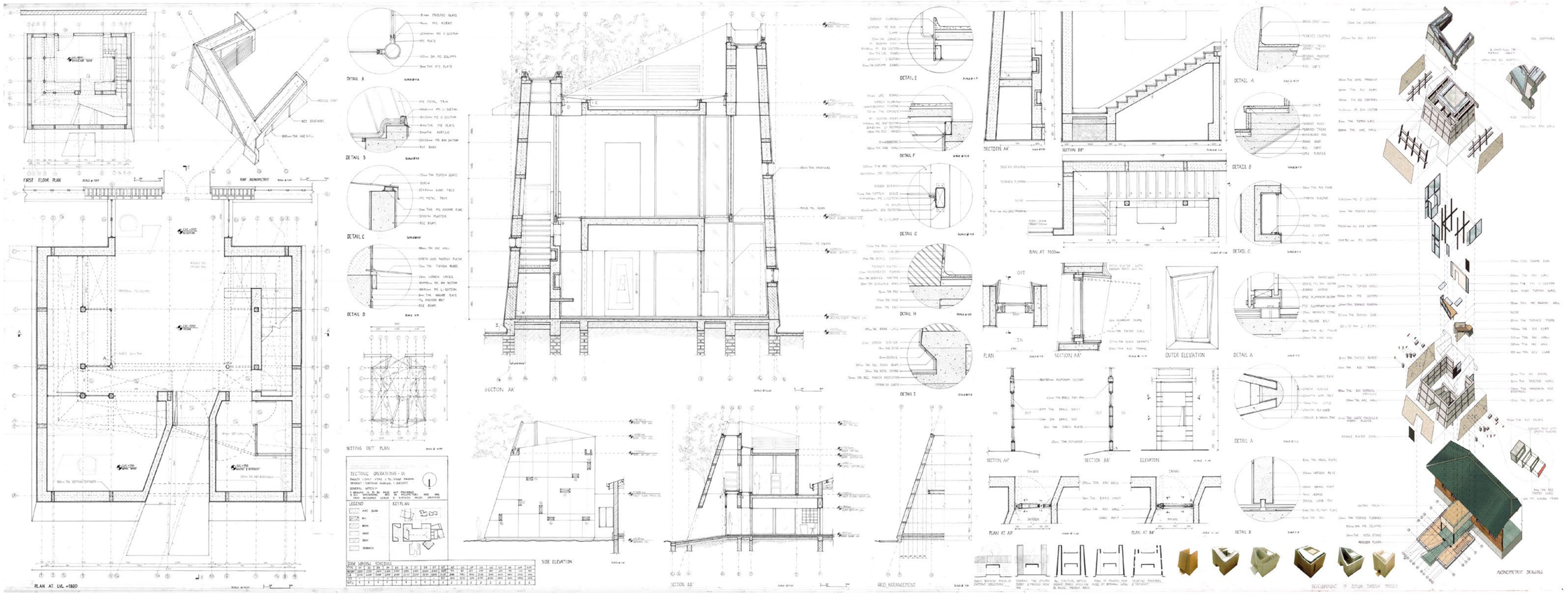












1200*2400 MM HANDRAFTED PANEL

4

Urban Courtyards

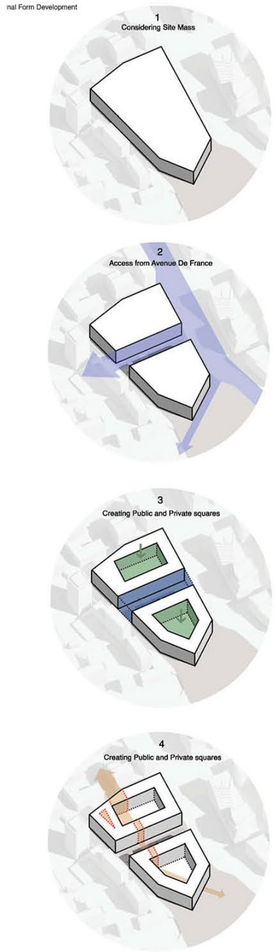
EXCHANGE SEMESTER: URBAN DESIGNING STUDIO
Studio : MSc in Building Architecture 2nd semW

Faculty: FRANCESCO BELLONI
TA: MATTEO

Located above a disused railway line in Paris's 13th arrondissement, this mixed-use development reclaims a complex urban void through architectural sensitivity and social intent. Comprising 600 housing units—including student accommodations—and a commercial ground floor, the project integrates green courtyards and public squares to blur boundaries between private and public realms. Prioritizing sustainability, inclusivity, and community well-being, the design transforms the site into a vibrant urban habitat. Landscaped communal spaces foster interaction and ecological richness, while material choices balance cost-efficiency and environmental responsibility. The intervention reactivates a forgotten urban edge, stitching it meaningfully into the fabric of the city.



Diagrams & Analysis



Typical Corner Block Arrangement
(Block 2)



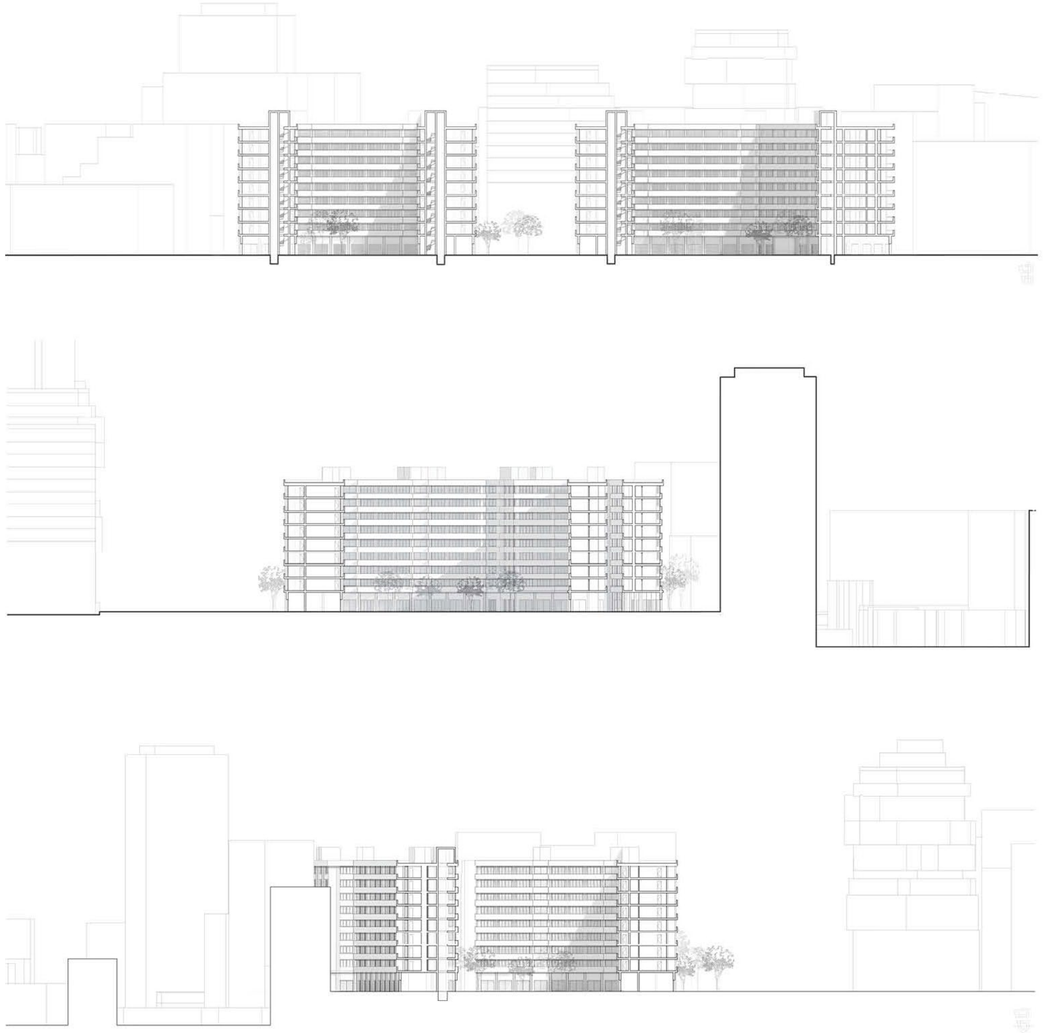
Appartments
Circulation

Typical Corner Block Arrangement
(Block 2)



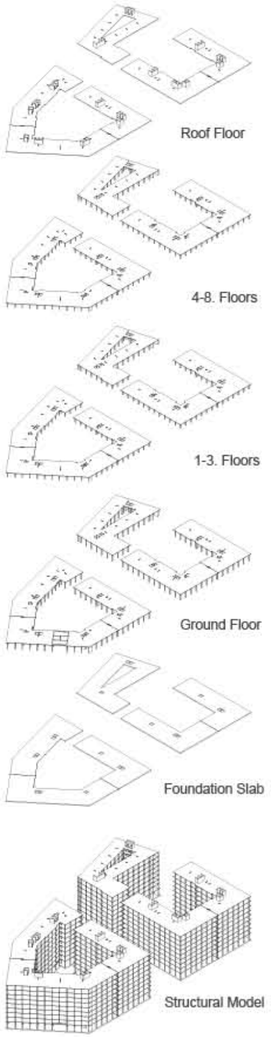
Flat 1
Flat 2
Flat 3
Flat 4
Flat 5

Each part of vertcal circulation include diffirent kind of apartments.





Atmospheric elevation and Detailed section.



Final Building Form
(Axonometric)

5

Cept Excellence Award Nominee

SPAN AND SPACE

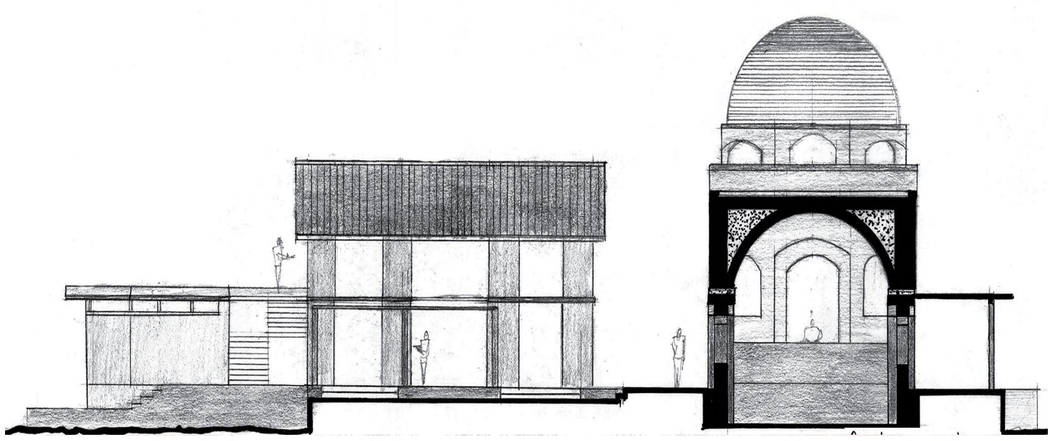
STRUCTURAL DESIGN STUDIO

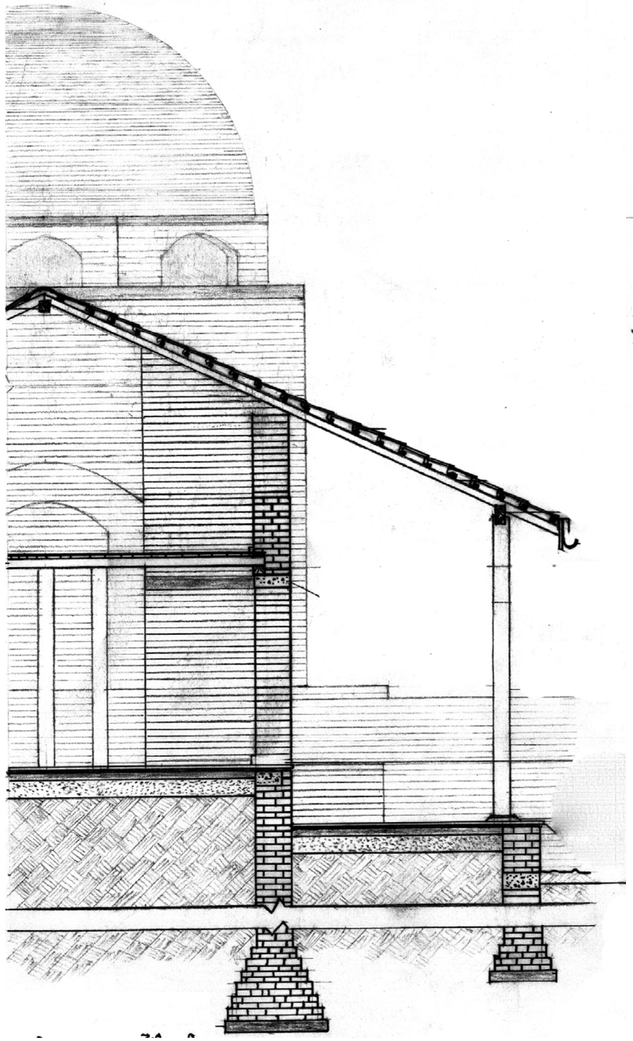
Studio -Span and Space: Exploring Tectonics in Architecture

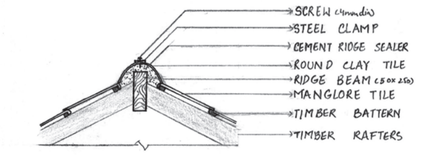
Faculty: Vinod Shah | Mangesh Belsare
TA: Kathan Gandevikar

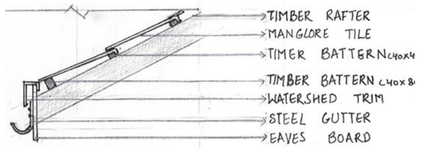
The project focuses on designing a combined reading and eating space, emphasizing distinct materiality and spatial experience. The reading space is crafted using brick-based modular units, offering a solid, grounding ambiance that enhances focus and introspection. This part of the design relies on the tactile qualities and earthy tones of brick to create a serene, quiet environment ideal for contemplation and study.

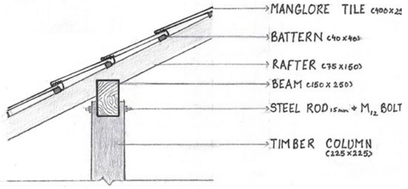
In contrast, the eating space is constructed using timber, which evokes warmth and a more organic connection to nature. The timber structure introduces a lighter, more open atmosphere, encouraging interaction and comfort. Both spaces are carefully designed to offer diverse architectural and sensory experiences, creating a harmonious blend of function, form, and materiality.

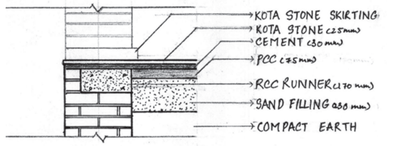


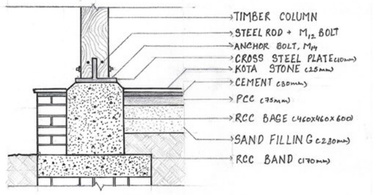


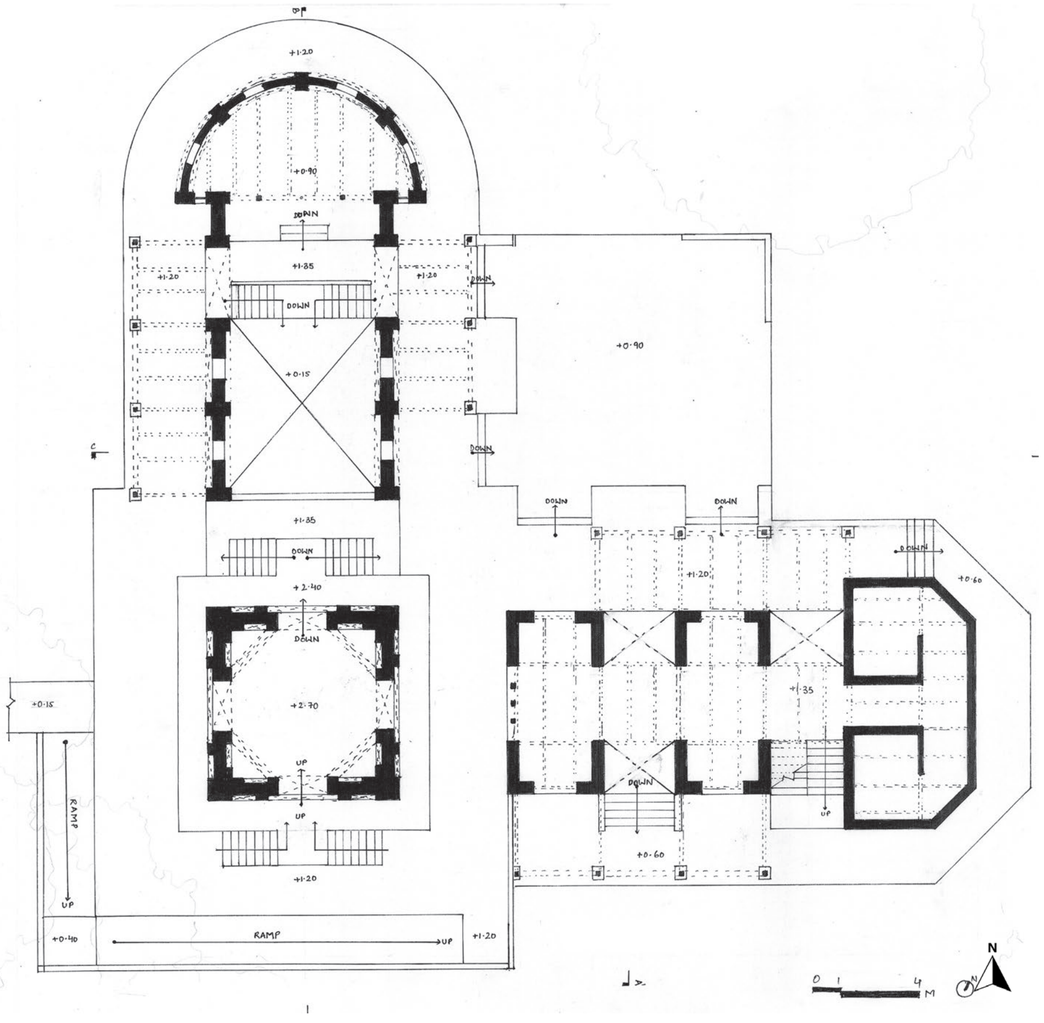

SCREW (4mmdia)
STEEL CLAMP
CEMENT RIDGE SEALER
ROUND CLAY TILE
RIDGE BEAM (150 x 250)
MANGLORE TILE
TIMBER BATTERN
TIMBER RAFTERS


TIMBER RAFTER
MANGLORE TILE
TIMER BATTERN (40x4
TIMBER BATTERN (40x 8
WATERSHED TRIM
STEEL GUTTER
EAVES BOARD


MANGLORE TILE (400x2
BATTERN (40x40
RAFTER (75x150
BEAM (150 x 250
STEEL ROD 15mm ϕ M12 BOLT
TIMBER COLUMN (225x225)


KOTA STONE SKIRTING
KOTA STONE (25mm)
CEMENT (30 mm)
PCC (75 mm)
RCC RUNNER (170 mm)
SAND FILLING (150 mm)
COMPACT EARTH


TIMBER COLUMN
STEEL ROD + M12 BOLT
ANCHOR BOLT, M16
CROSS STEEL PLATE (100mm)
KOTA STONE (25mm)
CEMENT (30mm)
PCC (75mm)
RCC BAGE (460x460x600)
SAND FILLING (230mm)
RCC BAND (170mm)


+1.20
+0.90
DOWN
+1.85
+0.15
+2.40
+2.70
UP
RAMP
+0.45
+0.60
+1.35
0 1 4 M
N

6

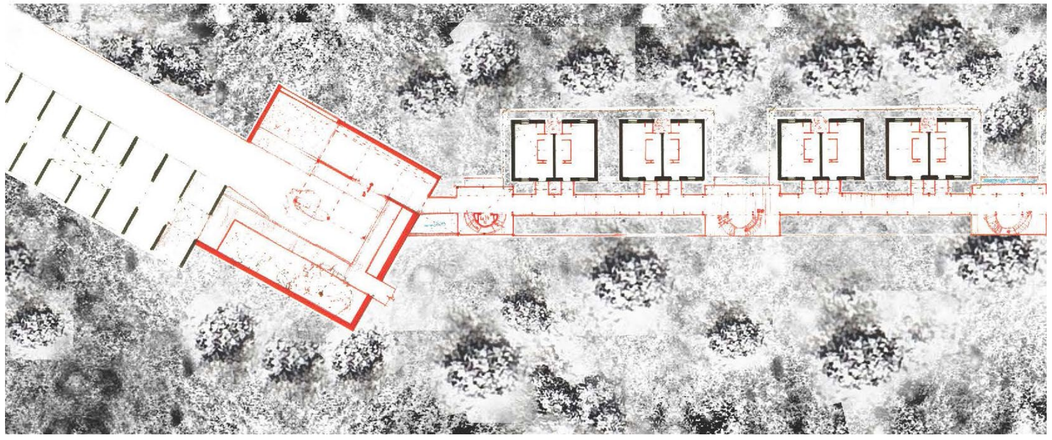
UNIVERSITY CONSORTIUM GUEST HOUSE

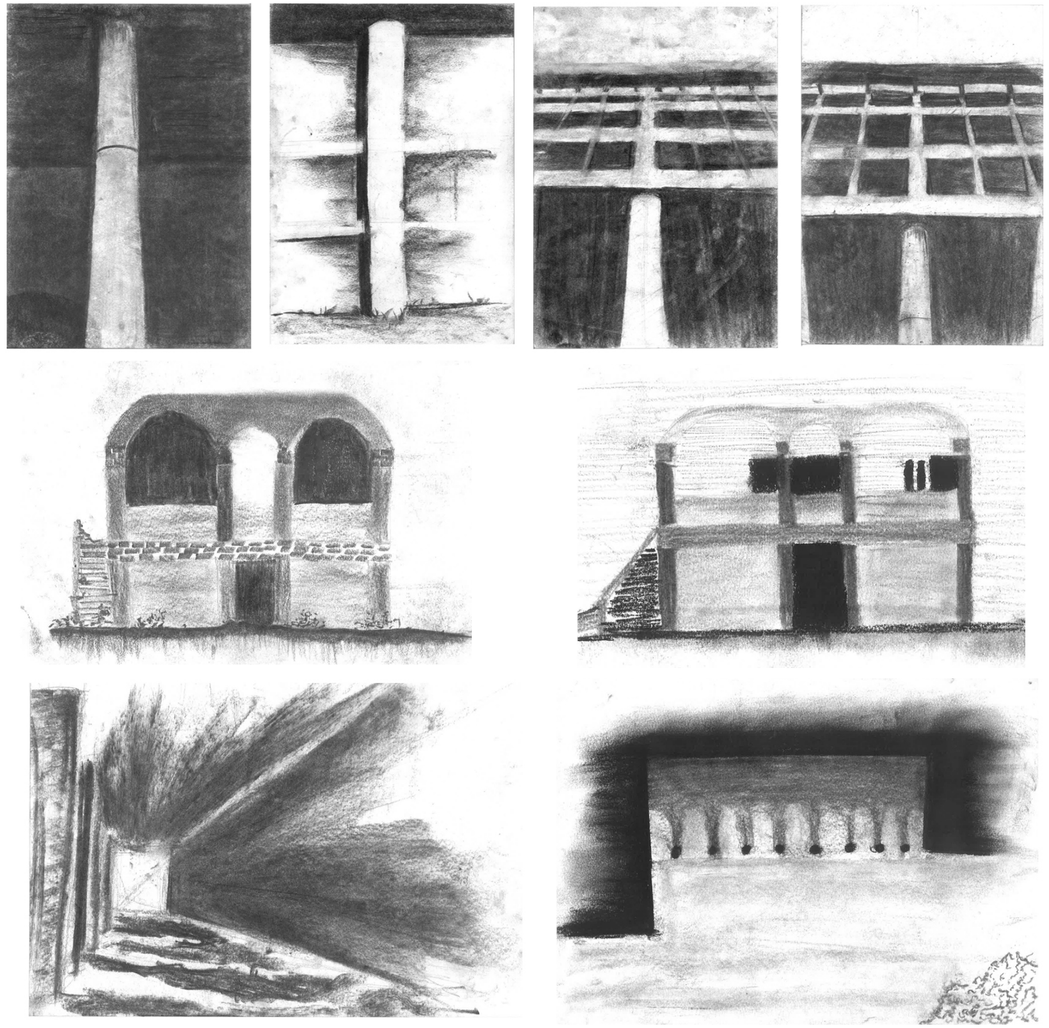
CRITICAL THINKING AND DESIGNING STUDIO

Studio -TOWARDS A CRITICAL PROJECT & A PROJECT OF CRITIQUE

Faculty: SHUBHRA RAJE
TA: Yashashvi Shah

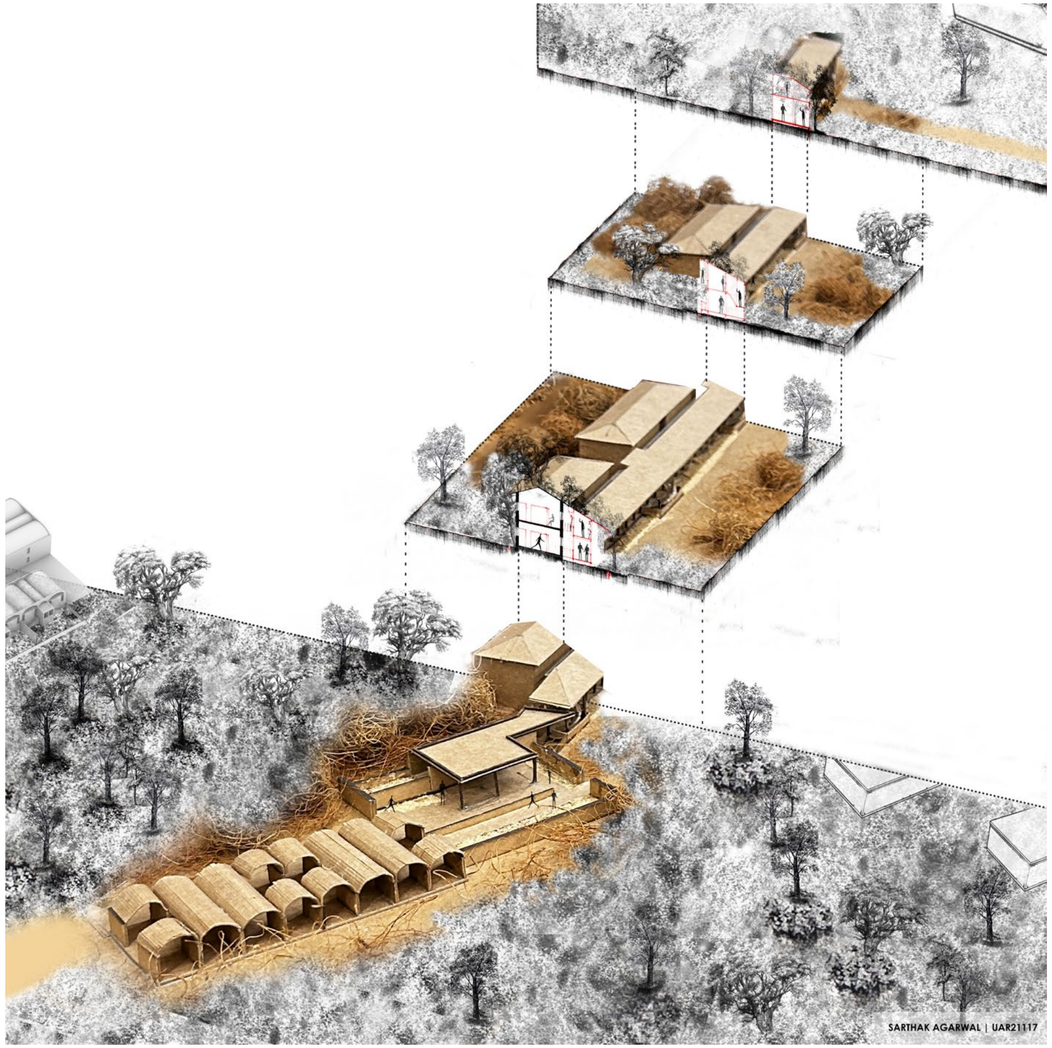
The proposal reimagines the existing ATIRA campus to accommodate visiting scholars and staff of the University Consortium Park. By rethinking the traditional hierarchical housing arrangement, the proposal prioritizes a community-based approach. Short-term stays are located near the institution's entrance, while long-term stays are integrated with existing residential areas. This new model aims to create a more inclusive and dynamic campus environment that fosters interaction and collaboration among diverse individuals. The existing building is transformed by introducing a new circulation spine. This spine connects various spaces, including a lounge, pantry, and entrance areas. Individual units within the building are redesigned to accommodate short-term stays, emphasizing flexibility and adaptability.

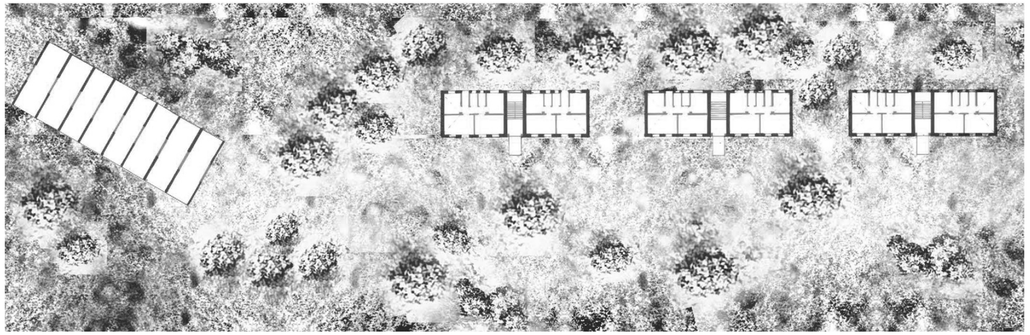


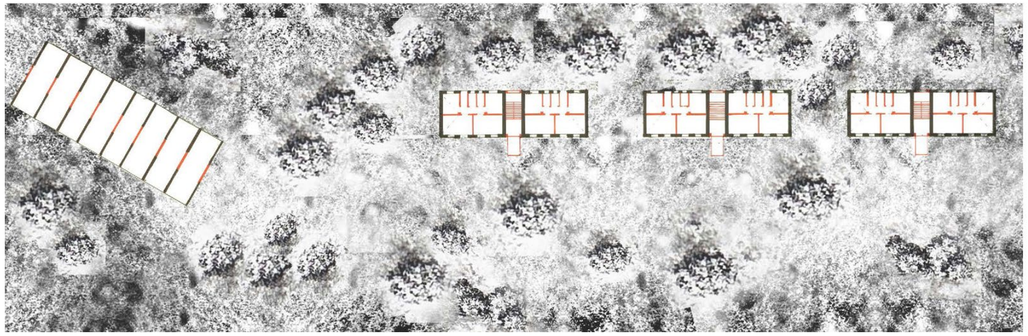


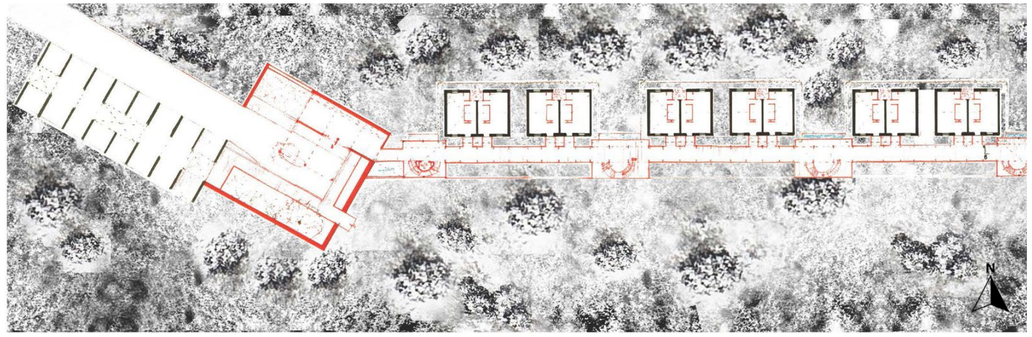


Site study drawing of ATIRA.


SARTHAK AGARWAL | UAR21117



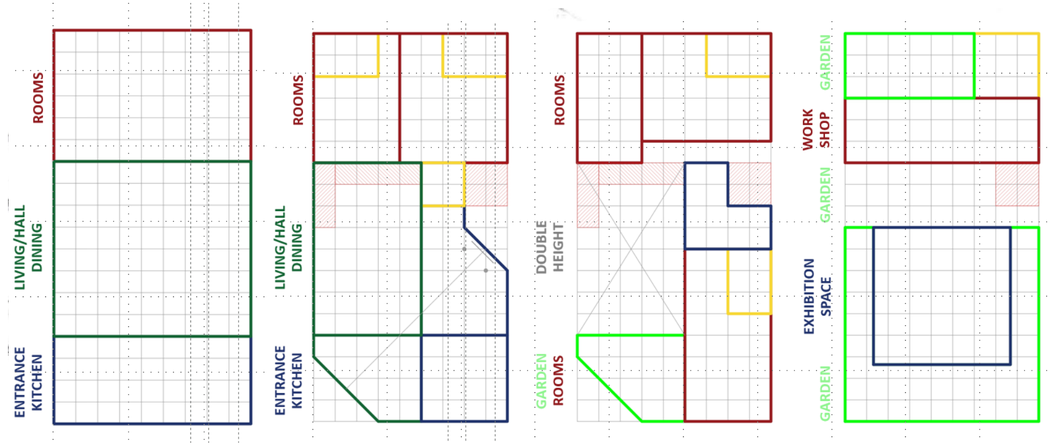



N

7

ON FIELD

This section highlights my practical exposure through architectural practice, summer internships, and various site-based experiences. Engaging directly with construction processes, material experimentation, and site documentation has helped me understand the translation of design into built form. Working alongside professionals and craftsmen provided insights into detailing, execution challenges, and the importance of coordination on site — bridging the gap between studio learning and real-world practice.

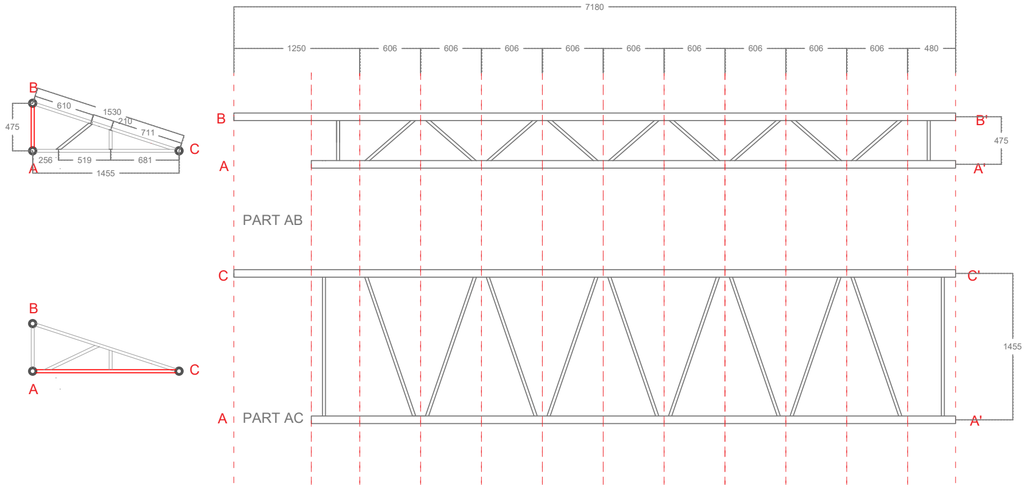


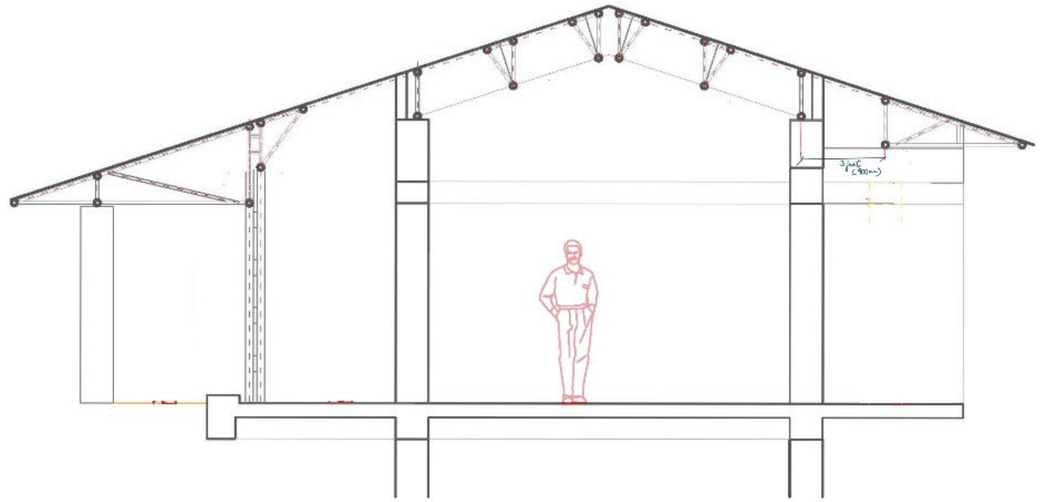




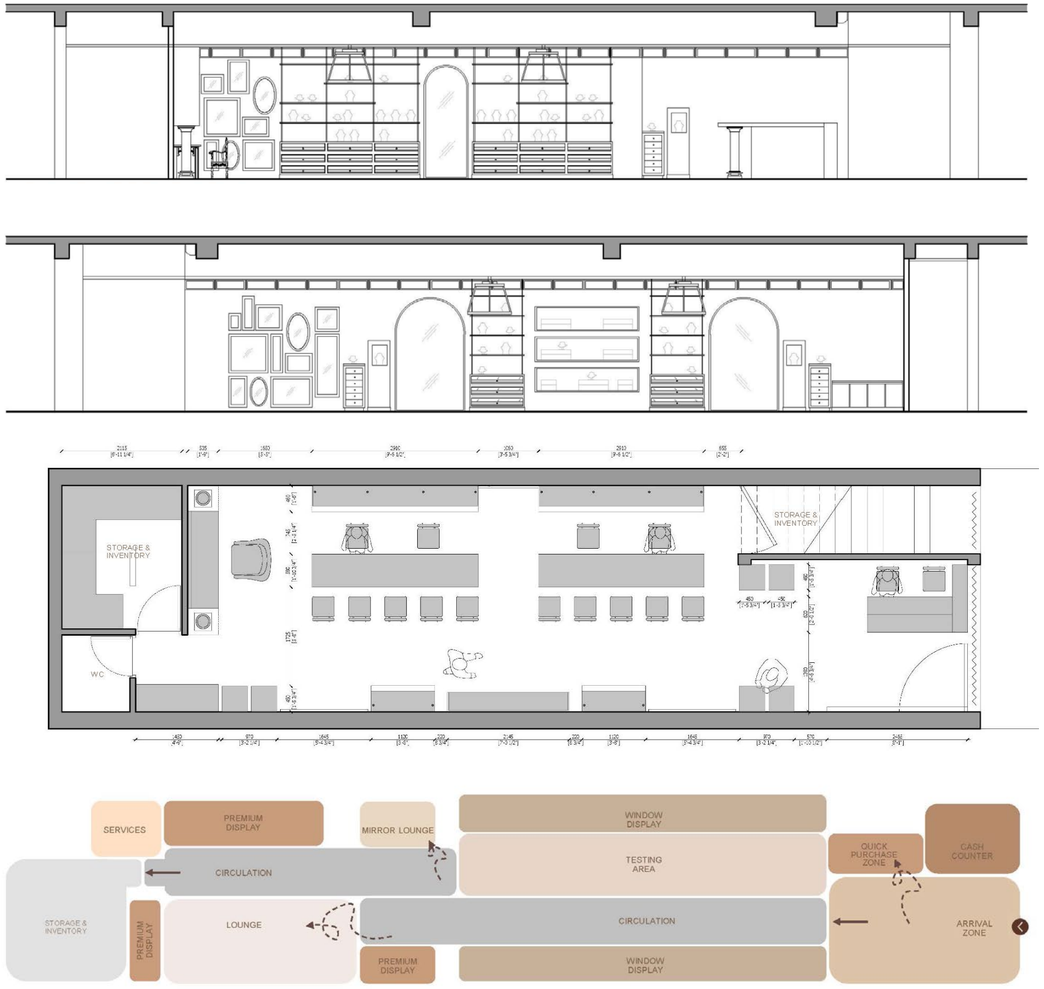




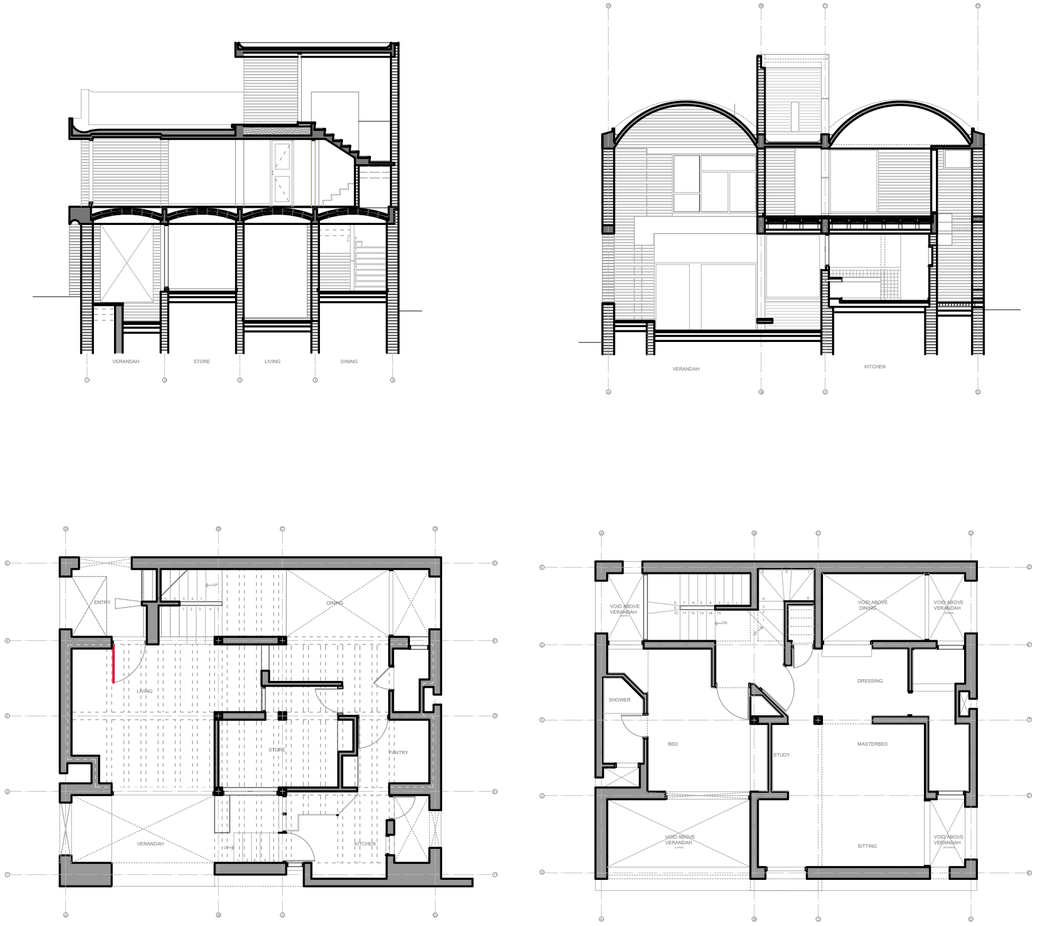




Drawing Documention for the for Neelkanth Chhaya’s Monolougue on J C Parekh House.

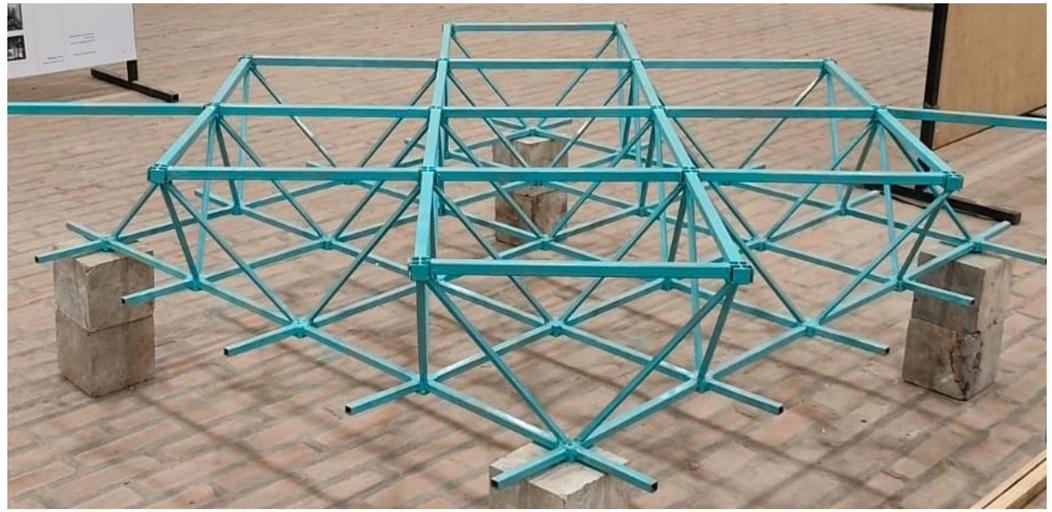


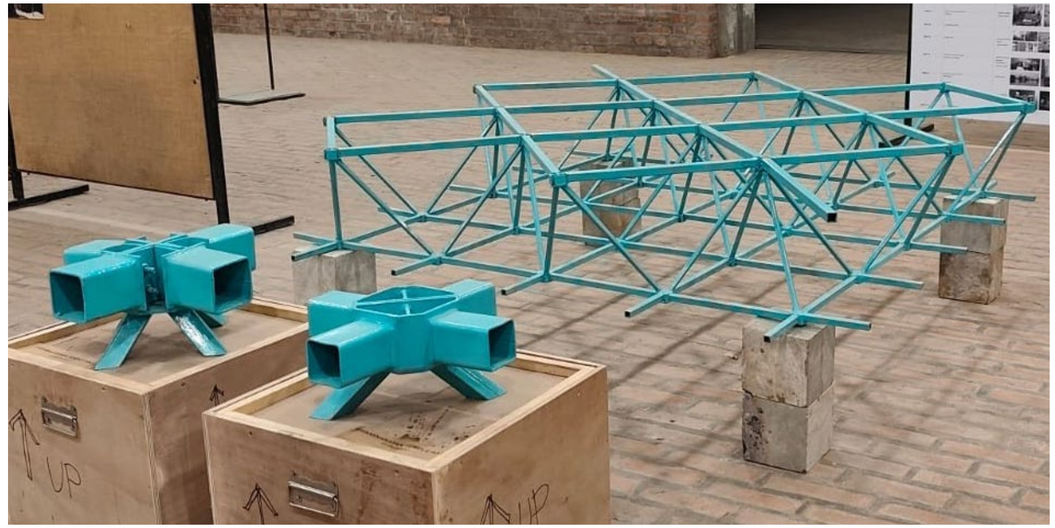
Design for MORTANTRA JWELLERS flagship store.



Drawing Documention for the for Neelkanth Chhaya’s Monolougue on J C Parekh House.





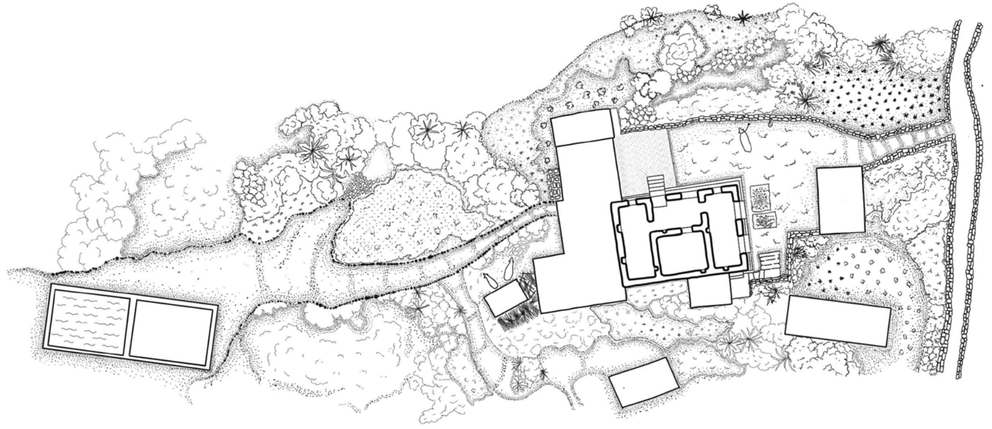


Model for Neelkanth Chhaya’s Exhibition

8

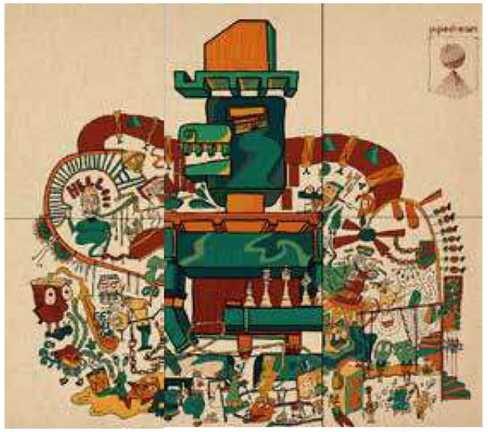
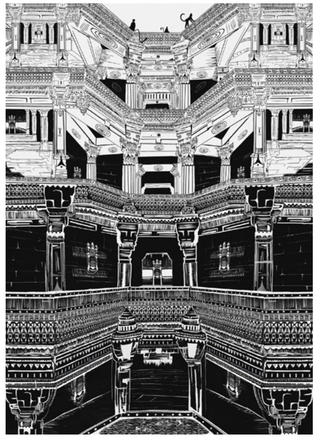
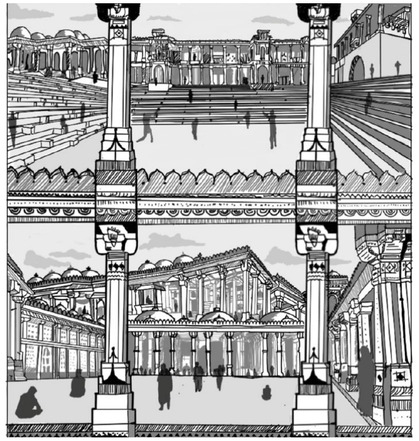
APART FROM STUDIO

Apart from studio work, I have explored architecture through diverse experiences beyond the classroom. I have documented buildings, observed how people interact with environments, and experimented with materials through clay pottery, model making, and graphic explorations. These hands-on practices have deepened my understanding of craft, form, and process, helping me approach design with sensitivity and curiosity. Travel has also shaped my perspective. Visiting several countries has allowed me to experience different cultures, cuisines, and landscapes that reveal unique ways of living. Each journey has offered insights into how culture, climate, and community influence architecture, enriching my understanding of design as a reflection of people and place.



Apart From Studio

GRAPHICS + ARTWORKS


Drawn Posters/ Photoshop Collage/ Graphic

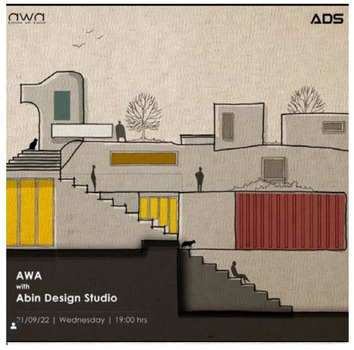












Posters for AWA Club Events













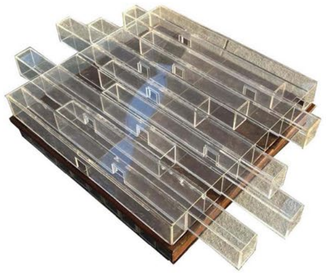








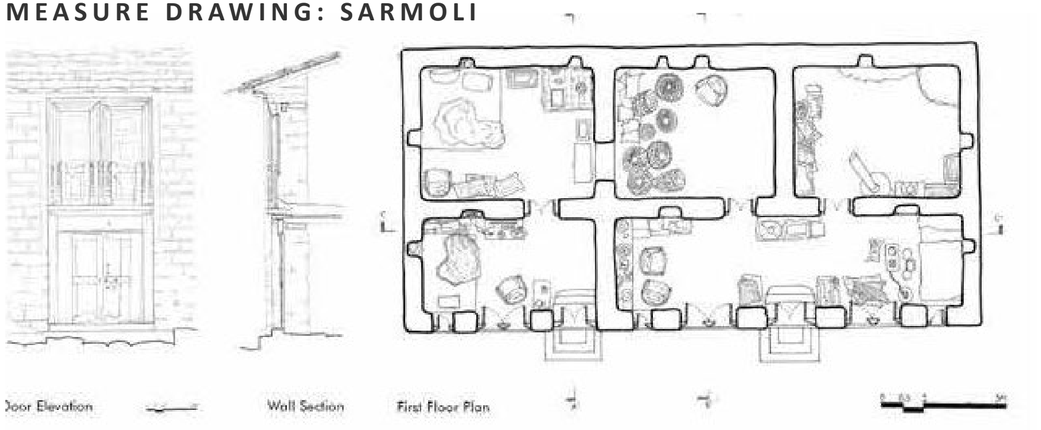






Apart From Studio
Exploring and Documenting Vernacular Architecture

MEASURE DRAWING: SARMOLI

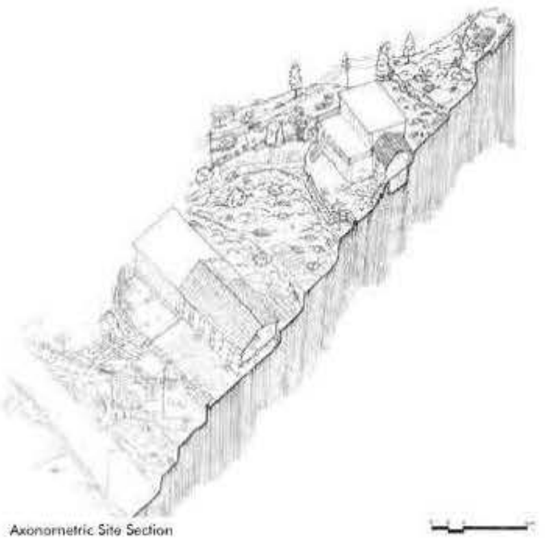


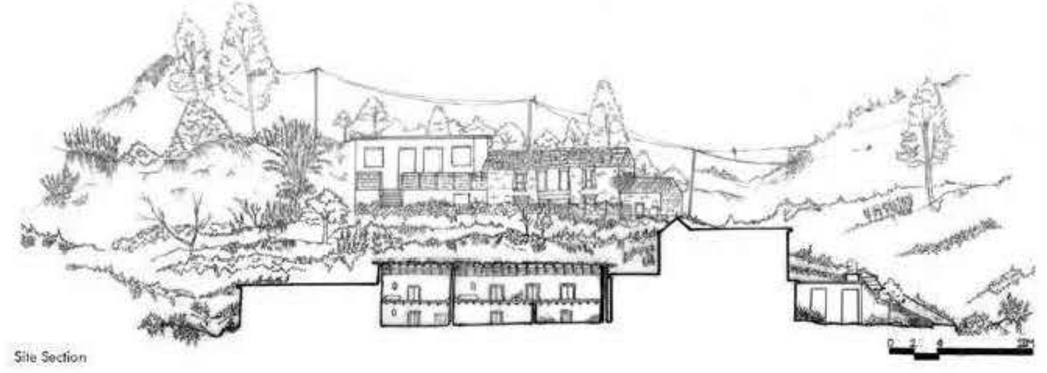






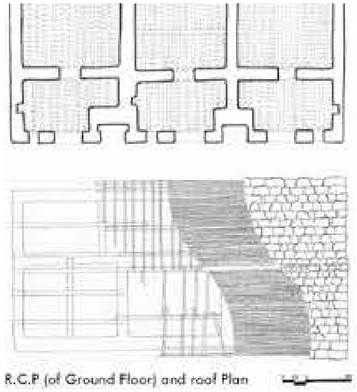




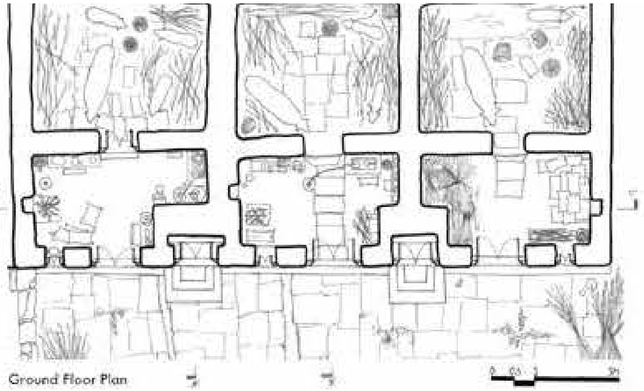


Apart From Studio
Exploring and Documenting Vernacular Architecture

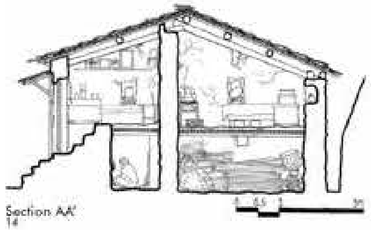
MEASURE DRAWING: SARMOLI



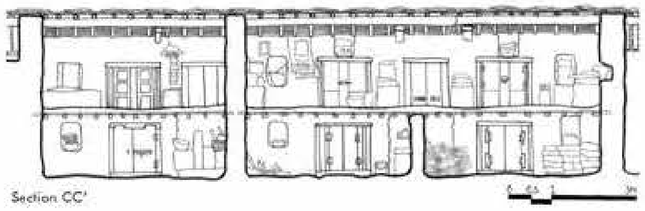
R.C.P (of Ground Floor) and roof Plan



Ground Floor Plan



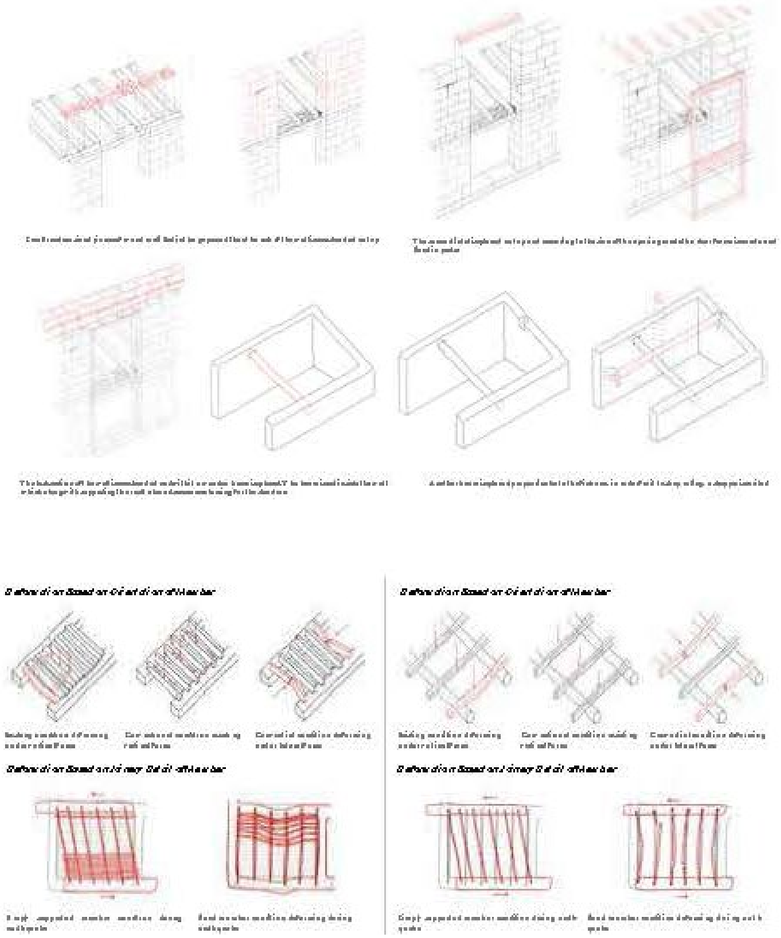
Section AA'



Section CC'

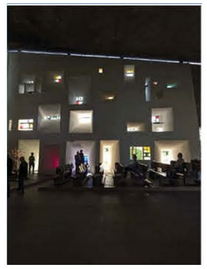
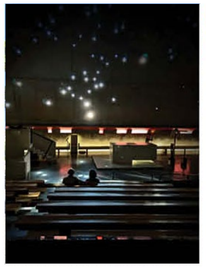
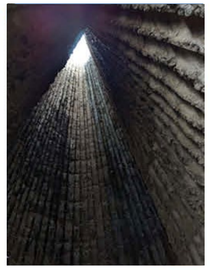
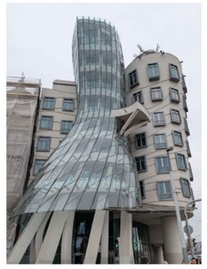






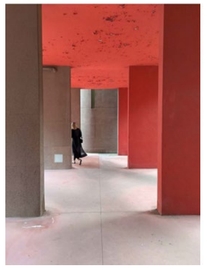
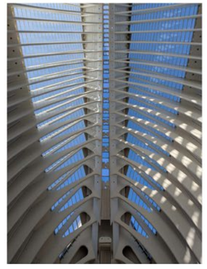
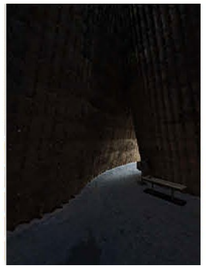
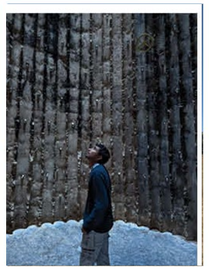
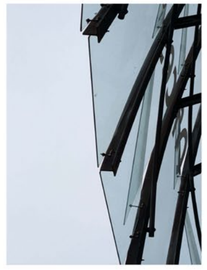
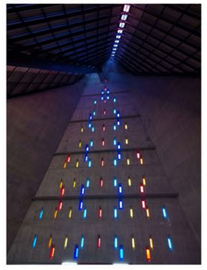
Apart From Studio

TRAVEL + PHOTOGRAPHY









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