

ARCHITECTURE PORTFOLIO



ARYA TIPRE

Selected Works 2018-2024

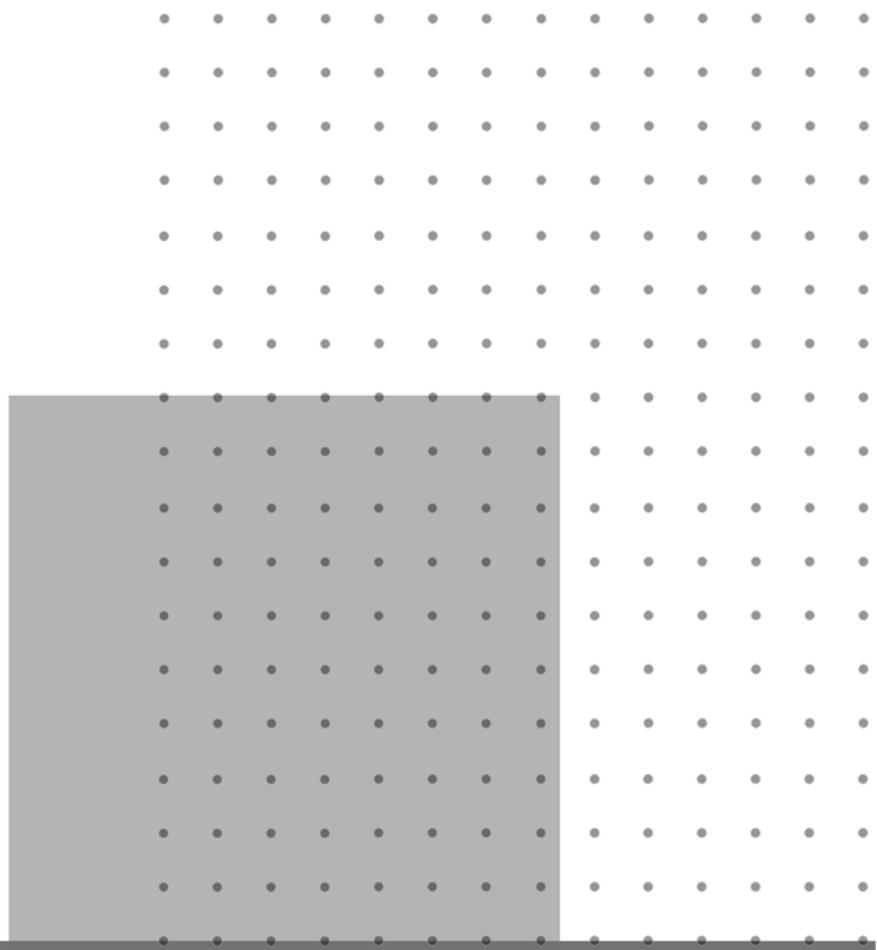
Arya Tipre

About Me

To quote my inspiration, the infamous architect Norman Foster -

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

As an architecture student, it has always been a first priority for me to understand that every aspect of the designing process must go alongside one another for every step we decide plays a crucial role in design output. Architecture from the beginning of conceptualization till the accomplishment of the project is a journey of making thousands of assumptions and even committing errors provided that the smallest of the details are considered and that the design respects the futuristic unknown.



C O N T A C T

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Languages Known: English, Hindi, Marathi

S C H O O L

Master's of Architecture

O California College of the Arts; San Francisco

Bachelor's of Architecture

L Thakur School of Architecture and Planning; Mumbai

E X P E R I

E Intern at ABHA NARAIN LAMBAH ASSOCIATES, MUMBAI
X (November 2021 - February 2022)

P Documented temples of Maharashtra under the MSRDC project.

E Intern at MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY, MUMBAI
R (March 2022 - May 2022)

I Worked intensively on projects part of MMRDA, designing and adaptive reuse of various grade 1 and
E grade 2 heritage structures into museums.

N Jr. Architect at LIFEUP DESIGN STUDIO, BANGALORE
C (August 2023 - May 2024)

E Designed commercial interiors for various Hospitality projects in the city.

H O N O U R S

H NASA India MSL (Mohammed Shaheer Landscape) Trophy in 2020 - Team Project
O NOMINATED TO TOP 15

N NASA India Gsen Trophy in 2020 - Team Project
O NOMINATED TO TOP 6

U Archmello: Master Peace Competition in 2021 - Team Project
R WON THE BEST STUDENT DESIGN AWARD

S K I L L S

S 3D Printing

K Laser Cutting

I CNC Cutting

L Plaster Mold Making

L Drafting software

S Modelling and Rendering Software



CONTENTS

1

PRAJNA - Master Peace Archmello Competition (Undergraduate Team Project)

Designing a perfect peaceful environment along the marshy region of Alappuzha.
Software used - Autocad, Sketchup, Vray, Lumion, Photoshop

2

THE SHELSCAPE - The West Oakland Knowledge Exchange (Graduate Project)

The library serves as both a repository of knowledge and a living tribute to the region's resilience.
Software used - Rhino, Photoshop, Illustrator

3

NAVJEEVAN - Self development has no age (Undergraduate Project)

The main concept behind the design is that of empathy towards the situation and designing a structure that ensures welfare of women and basic education to those who need it.
Software used - Autocad, Sketchup, Photoshop, Vray

4

SINAULI - Experiencing the lost History (Undergraduate Thesis Project)

An initiative to bring the lost history of Vedic civilization back to light
Software used - Rhino, Photoshop, Illustrator

5

MALABAR HILL - An initiative to subsistence (Undergraduate Team Project)

The project serves as a solution by integrating food into the design of public space.
Software used - Autocad, Sketchup, Photoshop, Vray

6

PROFESSIONAL INTERNSHIP

Selected works to display the skills in a professional firm in the fields of conservation, interior design, architecture design and construction.

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PRAJNA

YOGA CENTRE DESIGN PROJECT

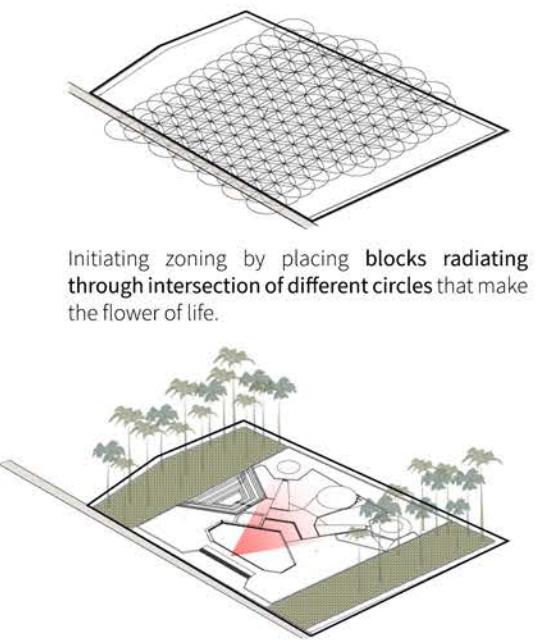
LOCATION - ALAPPUZHA, KERALA

Yoga & Meditation is a practice of achieving physical and mental peace through the process of connecting your soul to the higher spiritual realm. The aim of the design is to provide every visitor the perfect environment to perform yoga. Each structure is planned precisely to maintain the essence of the yogic atmosphere. Given of the context of Alappuzha, the elements of Kerala architecture too find their respective place within the design.

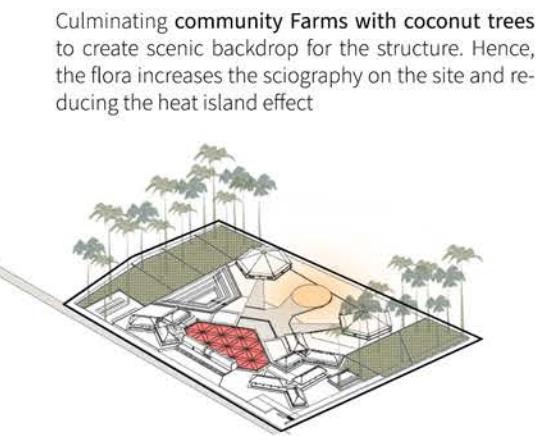


Flower of life is a sacred symbol of infinite radiating creation and symbol of unity of everything. Through the pattern, we aim to unite all the structures on site and help them **direct notion of peace in all directions**, thus achieving the best tranquil output in philosophical manner. The Structures express **minimalistic concepts to create the perfect balance of the harmony** within spaces. Spaces are placed closer to nature which would serve as the best medium to propagate the perfect atmosphere to achieve peace.

- 1. OPEN AMPHITHEATRE YOGA SPACE
- 2. MEDITATION HALL 1
- 3. MEDITATION HALL 2
- 4. LOCKER ROOM 1
- 5. LOCKER ROOM 2
- 6. LOADING/UNLOADING SPACE
- 7. CAR PARKING
- 8. RECEPTION & WAITING AREA
- 9. PANTRY AND ADMIN TOILET
- 10. SPACE DESIGNATED FOR TEMPLE
- 11. ENTRANCE
- 12. WORKSHOP SPACE 1
- 13. WORKSHOP SPACE 2
- 14. COMMUNITY FARM 1
- 15. COMMUNITY FARM 2
- 16. DINING HALL 1
- 17. DINING HALL 2
- 18. KITCHEN
- 19. LIBRARY
- 20. STAFF AREA
- 21. TOILET



Initiating zoning by placing blocks radiating through intersection of different circles that make the flower of life.



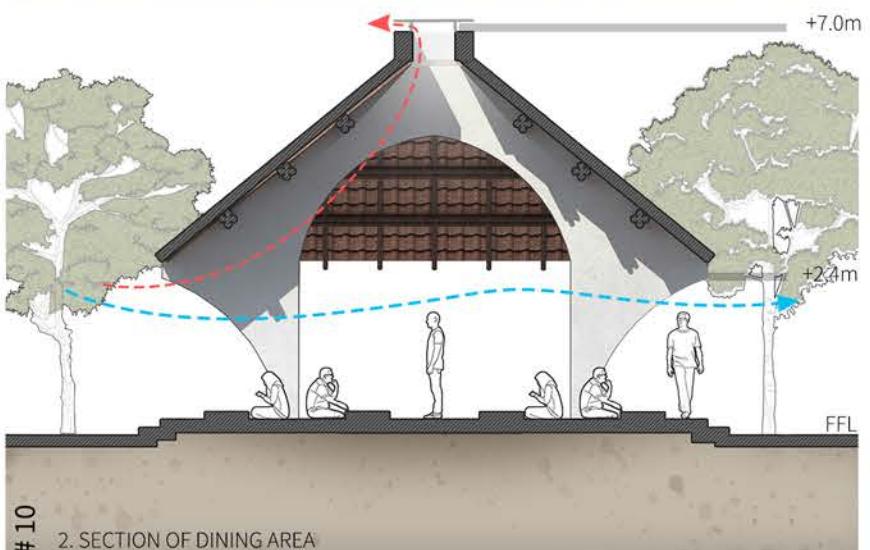
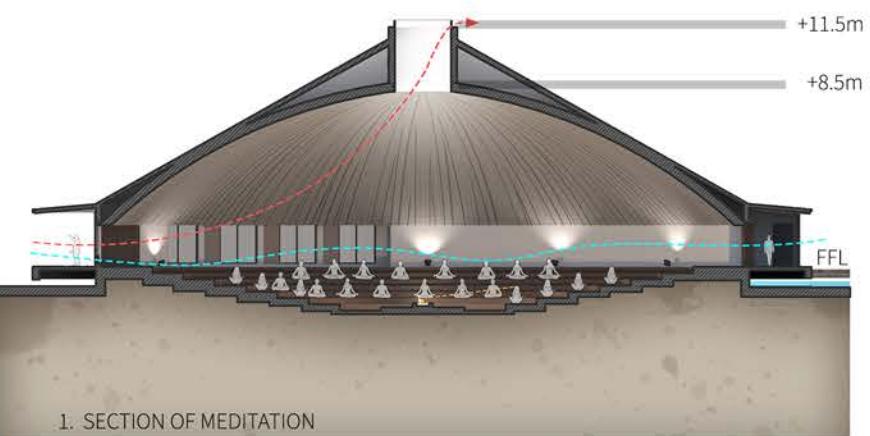
Culminating **community Farms** with coconut trees to create scenic backdrop for the structure. Hence, the flora increases the sciography on the site and reducing the heat island effect



Strategically placing the temple to reflect positive **Vibrations** throughout the site. Designing central space that tactically branches out to other important structure to the site.

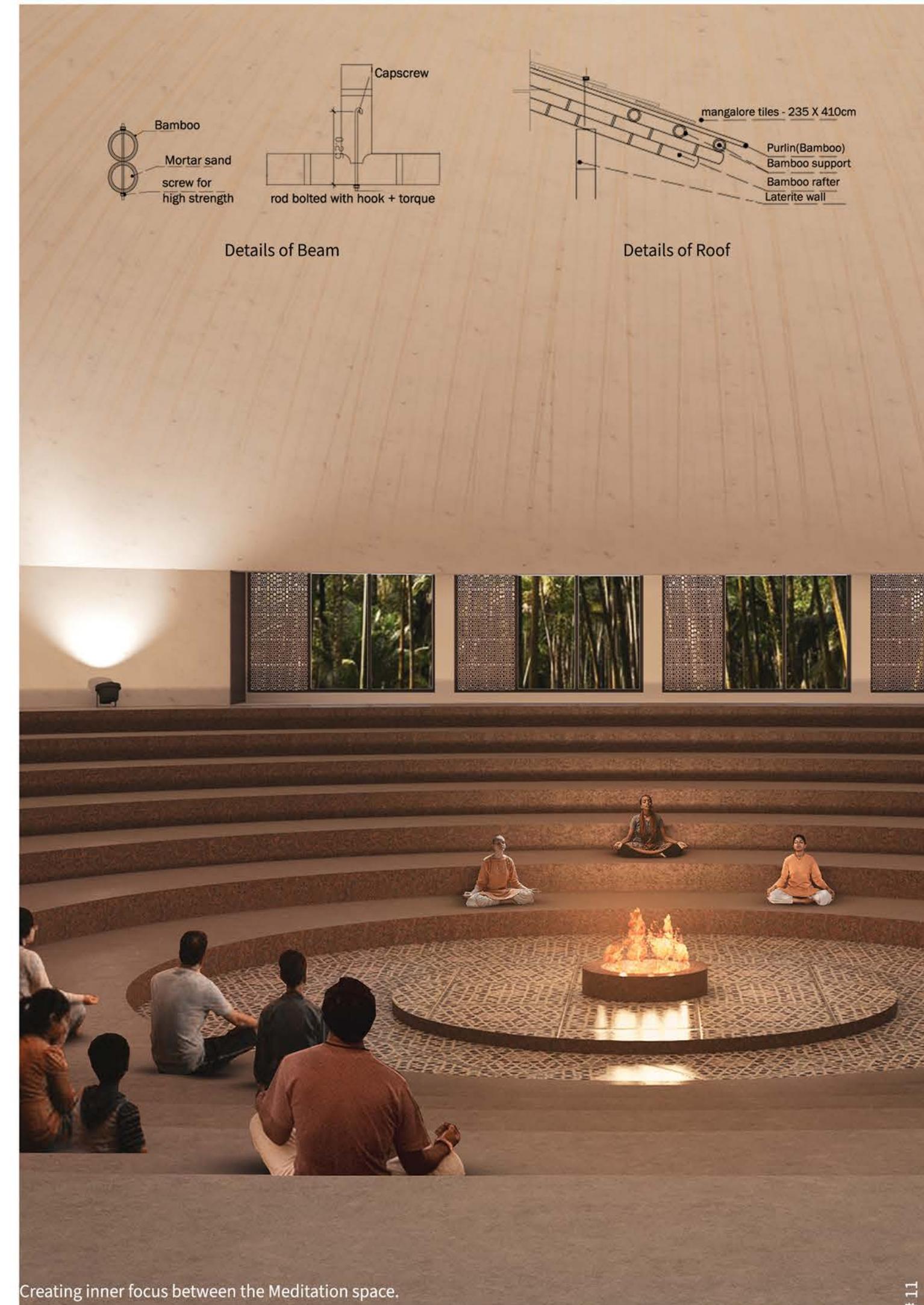


Interior view depicting the spatial arrangement of dining space



1. SECTION OF MEDITATION HALL
The meditation hall consists of levels to add to higher visual connectivity. Also, the structure is dual roofed with inner roof in dome like style to propagate positive vibrations and exterior sloped roof to deflect heavy wind flow.

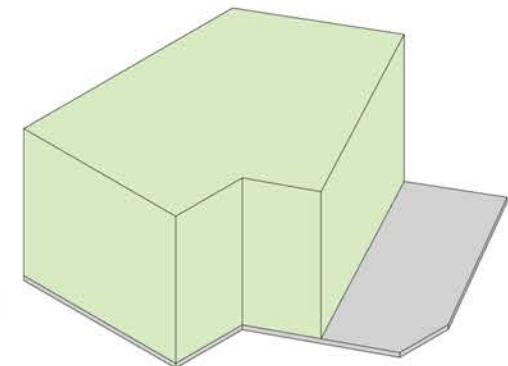
2. SECTION OF DINING AREA
Levels are provided within the dining hall to facilitate large crowds and continue to serve them adequate space for the dining experience.



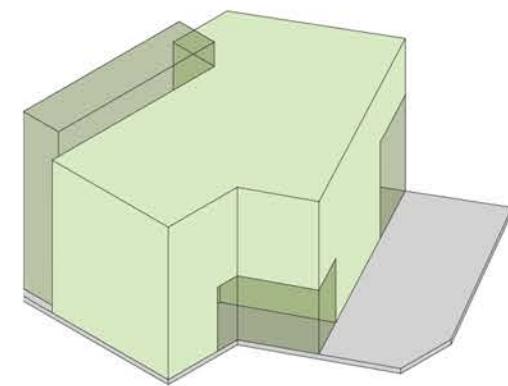


THE SHELSCAPE
LIBRARY DESIGN PROJECT
LOCATION - OAKLAND, UNITED STATES

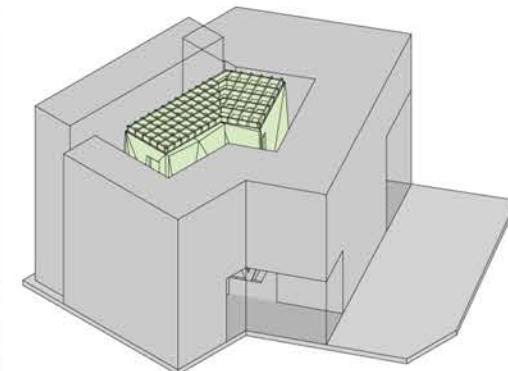
The "The Shelvescape: The West Oakland Knowledge Exchange" is a dynamic library project situated in the heart of West Oakland, California, a neighborhood deeply **intertwined with city's industrial past**. This library serves as both a repository of knowledge and a living tribute to the region's resilience, embodying the symbiotic relationship between learning, community, and industrial growth. This project aims to preserve and celebrate that legacy while fostering the intellectual and cultural growth of the community today. The library will curate a unique collection of art focused on African American history, redlining, civil rights movements, and the impact of the industrial era on the lives of Oakland residents based on the works displayed at the "Crucible". Beyond books and archival documents, the library will host workshops, speaker series, and interactive exhibits that explore the **intersection of education, industry, and social justice**. The library will serve as a space where knowledge flows freely between generations, drawing connections between the struggles and triumphs of the past and the innovative, creative solutions of the present.



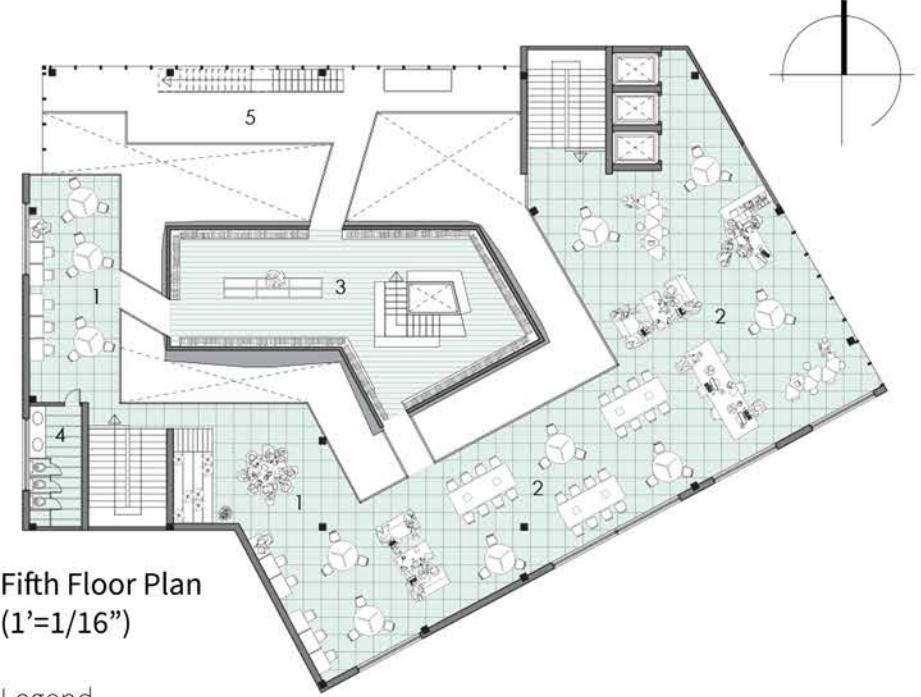
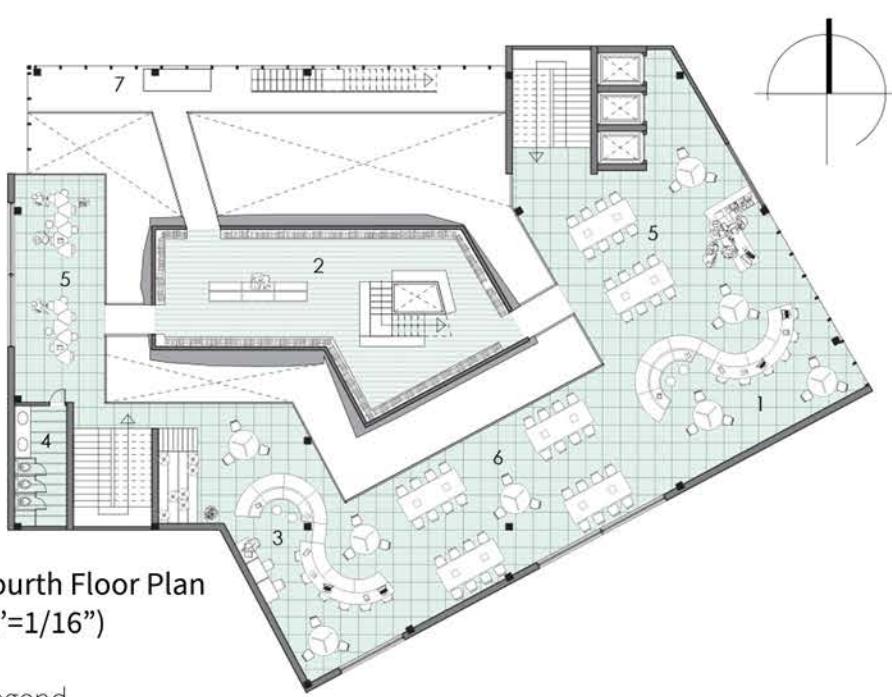
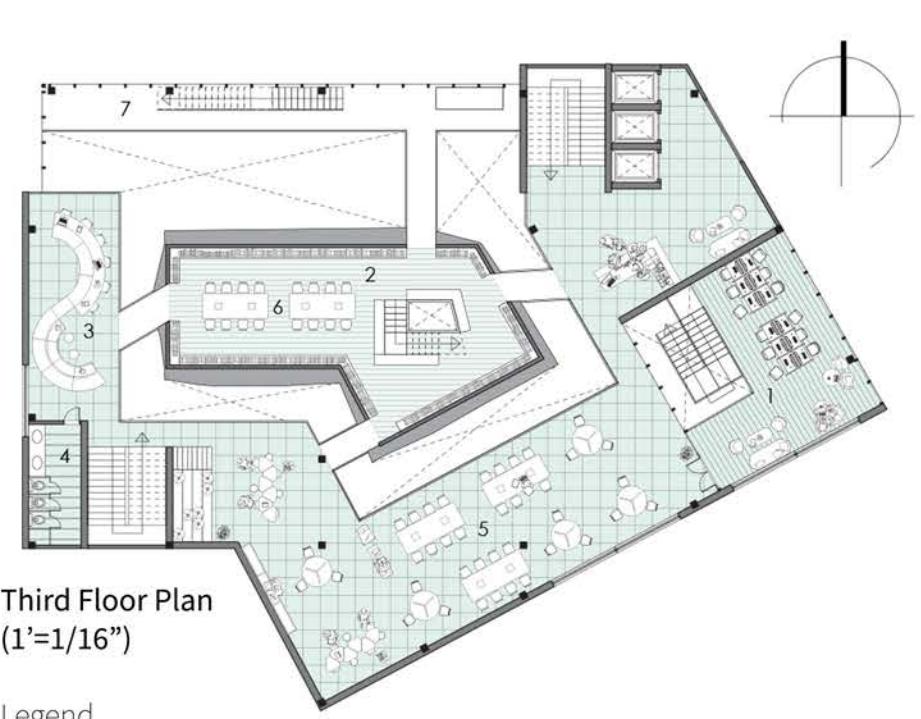
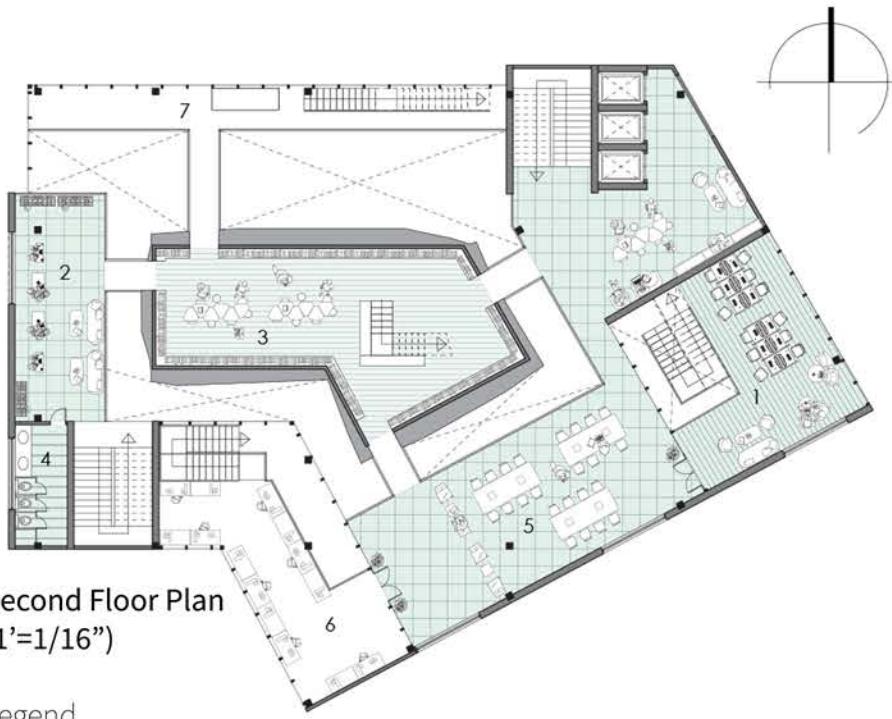
Extruding the structure as per site boundary and design program.

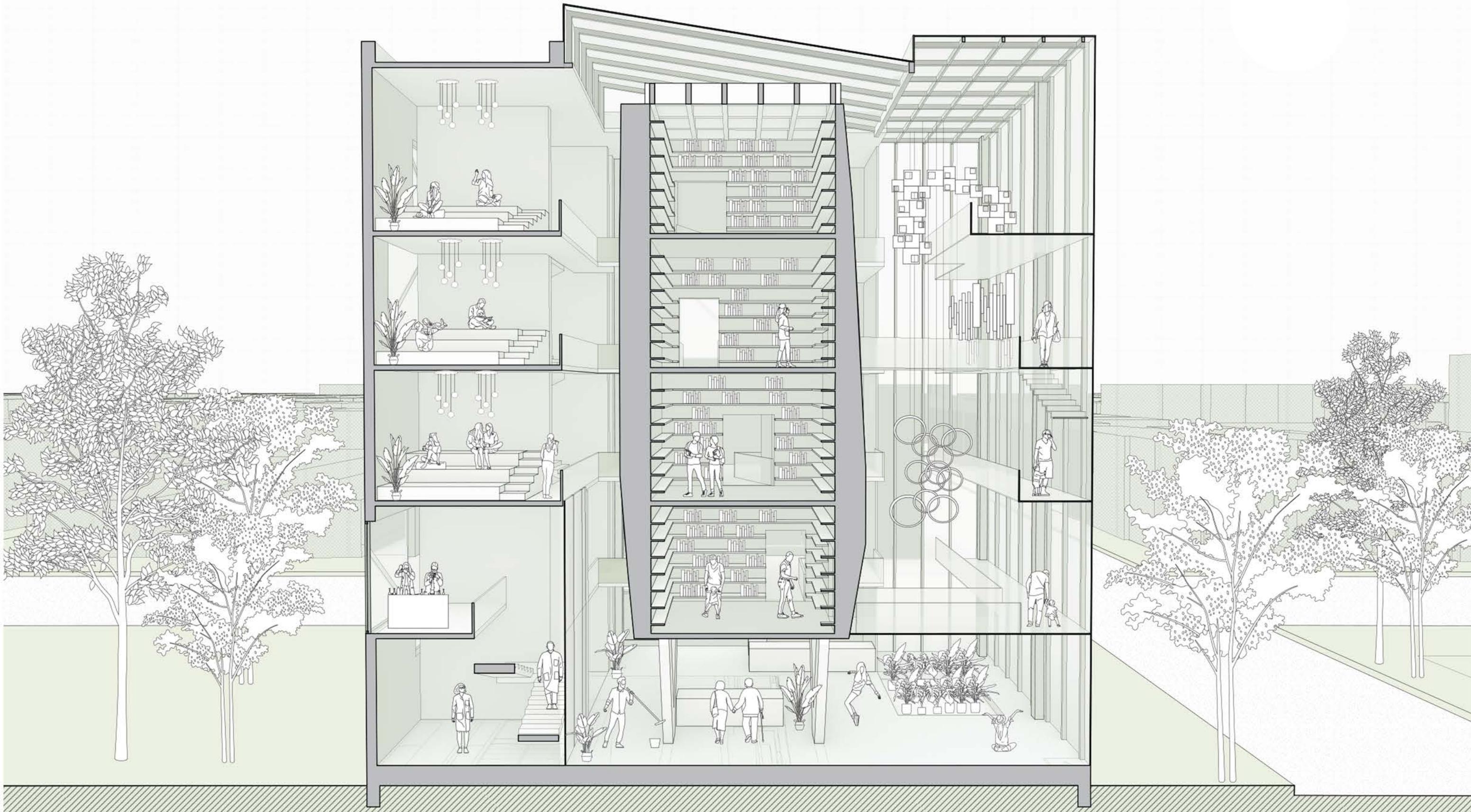


Incorporating transparent block to create visual dialogue between people inside and outside the structure.



Introducing an organic and alien knowledge block in the centre of the library to be partially visible from the street as a medium to draw people inside.





Sectional view of the structure displaying the knowledge, the information blocks, the workshop and the exhibition space

ANGANWADI popular name for "courtyard shelter" was started by the Indian government in 1975 to combat child hunger and malnutrition. Angan, refers to a court yard in and around the house where most of the **social activities of the household** takes place. Centrally located angan is often referred to as the 'heart of the house', a place which buzzes with activity right from the break of dawn. Anganwadi is a complex around this very courtyard housing basic amenities for **social congregations** with **anganwadi's** working towards helping community come over basic hygiene and health issues, particularly in children.

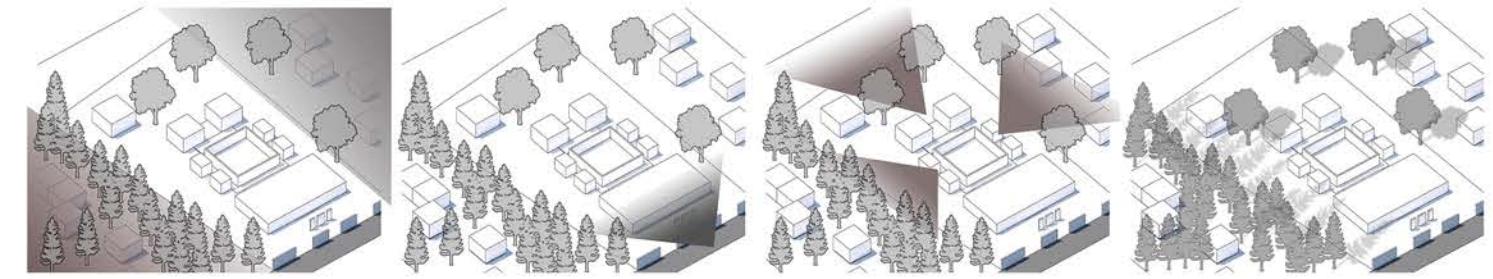


Even today there are many places where women are married early without any of their skill development. Many children are deprived of their basic right: education. Such example can be observed in dahanu region of maharashtra. Thus as designers the main concept behind the design is that of **empathy** towards the situation and designing a structure that is **not alienated enough rather down to earth** and ensures **welfare of women and basic education to those who need it**.



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SITE CRITERIA IMPACTING THE SPATIAL PLANNING



North light and south light will determine the position of openings of structure.

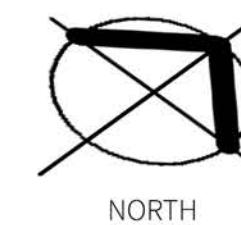
Impact of the surrounding roads on the site too determine location of services on site.

Vista analysis determines the positioning of the structures meant to make appropriate use of them.

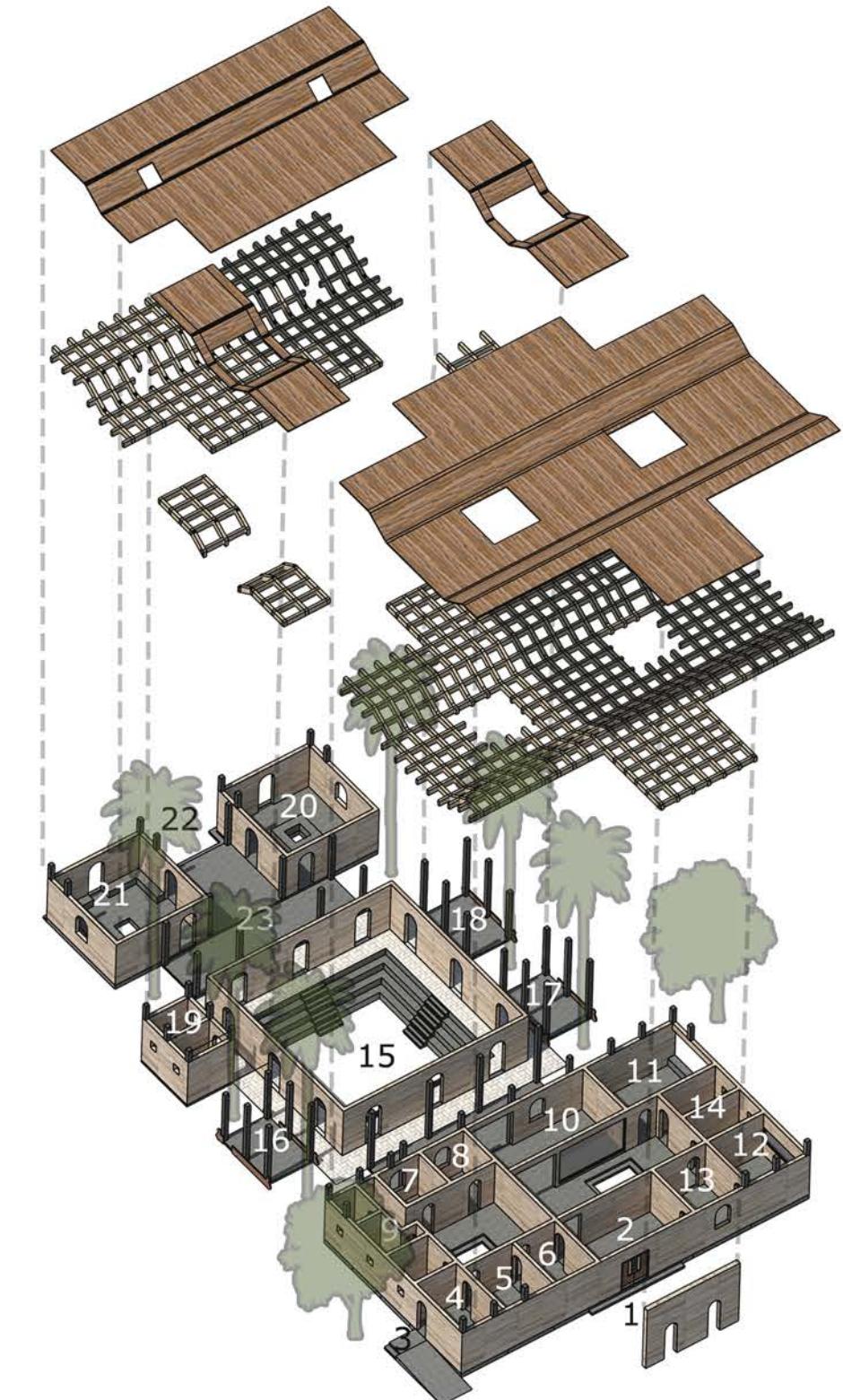
Sciographic analysis brought about by the existing site flora to determine the structural planning

LEGEND

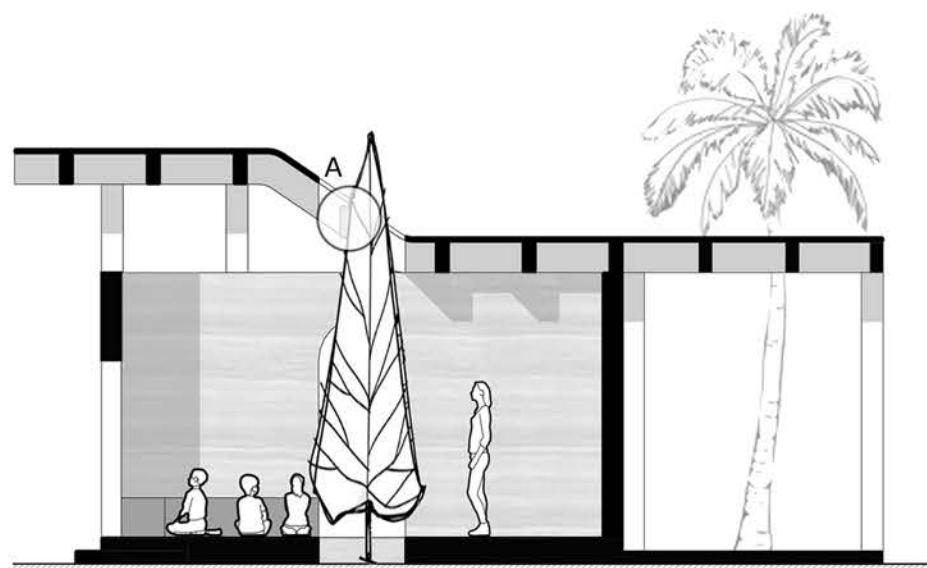
1. ENTRANCE
2. RECEPTION
3. MEDICAL ENTRY
4. CLINIC RECEPTION
5. MEDICAL ROOM 1
6. MEDICAL ROOM 2
7. DAY CARE ROOM 1
8. DAY CARE ROOM 2
9. WASHROOM IN MEDICAL FACILITY
10. MEETING ROOM
11. KITCHEN
12. ANGANWADI OFFICE
13. OFFICE WAITING ROOM
14. WASHROOM NEAR ADMIN
15. CENTRAL AMPHITHEATRE
16. CLASSROOM 1
17. CLASSROOM 2
18. CLASSROOM 3
19. KIDS WASHROOM
20. LIBRARY
21. WORKSHOP
22. DECK
23. VERANDA SPACE



NORTH



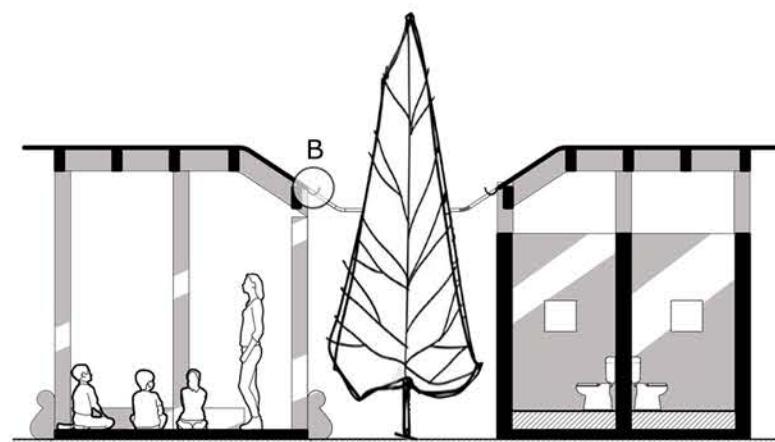
23



Part section of the workshop



SECTION THROUGH ADMIN AND MEDICAL ROOMS



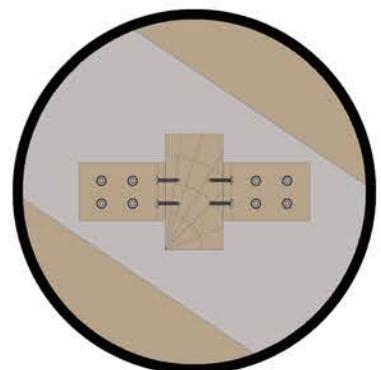
Part section of the classroom



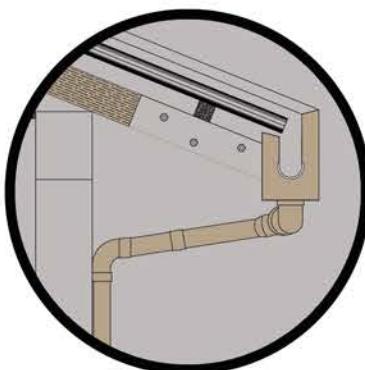
View depicting **semi open classroom spaces** provided for kids in anganwadi and thus culminating an innovative method of learning.

View depicting internal lanes with structures placed rather close to one another to ensure **maximum sciography and create a better microclimate**.

Verandas are provided throughout the site to keep the visitors always in **contact with surrounding nature** and making sure the structure gives a **homely experience**.



Parametric roof beam detail @ B



Gutter detail @ A



#24

SECTION OF THE ENTIRE SITE



4m
3m

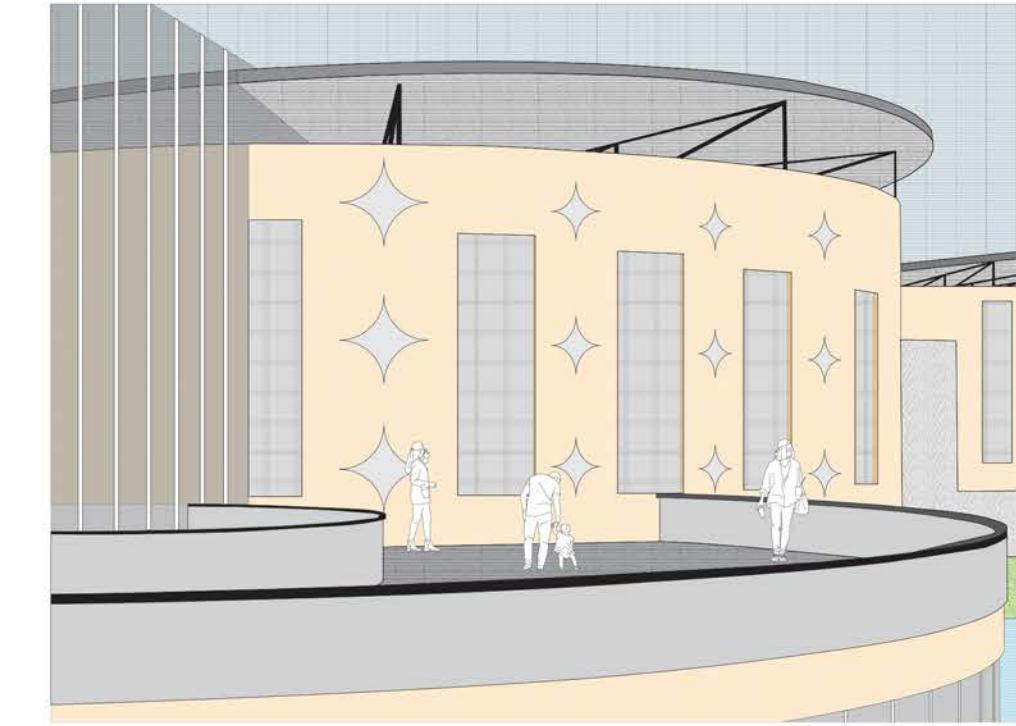
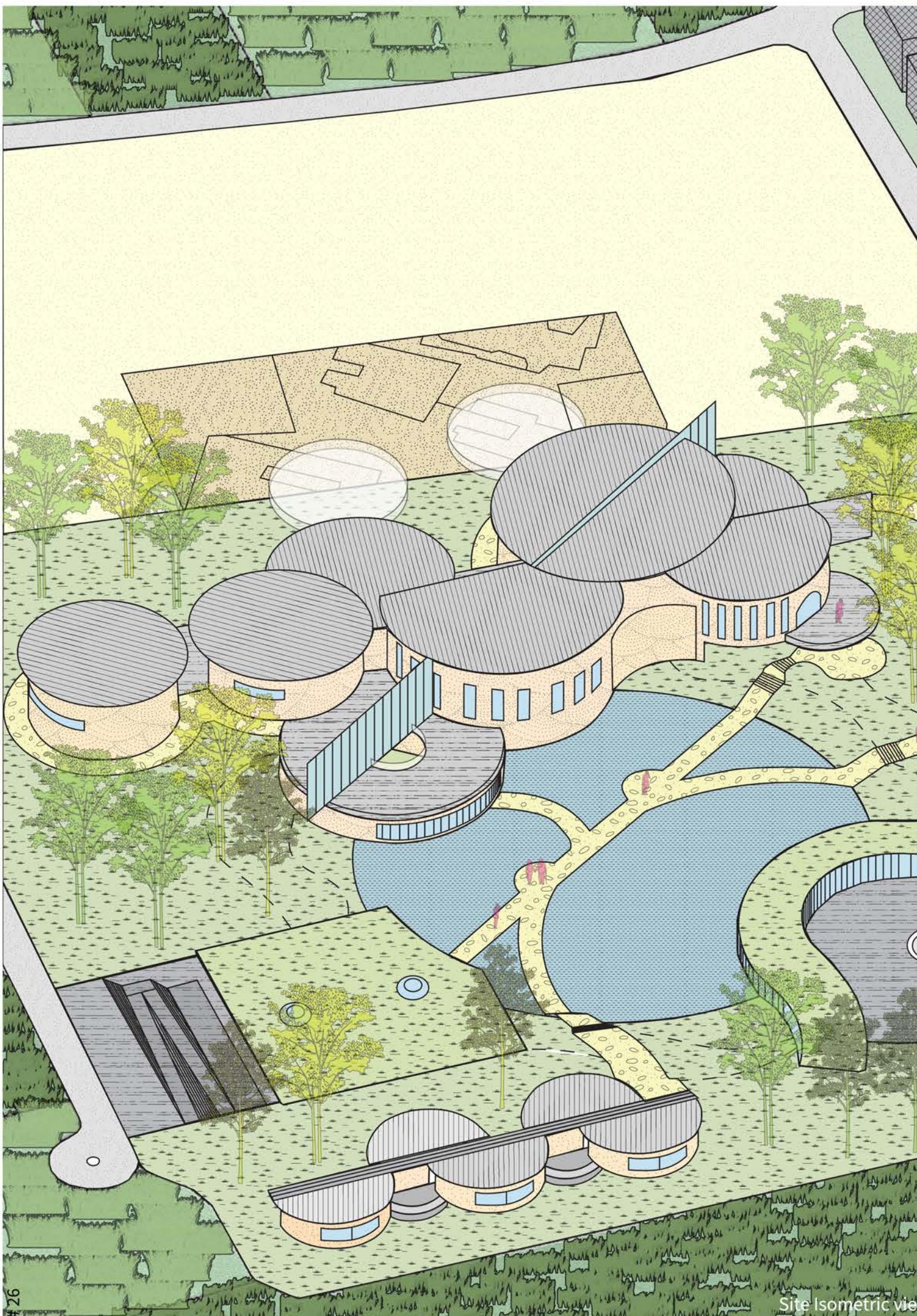
GL

4m

GL

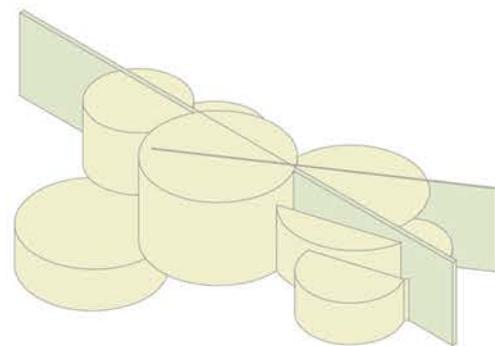
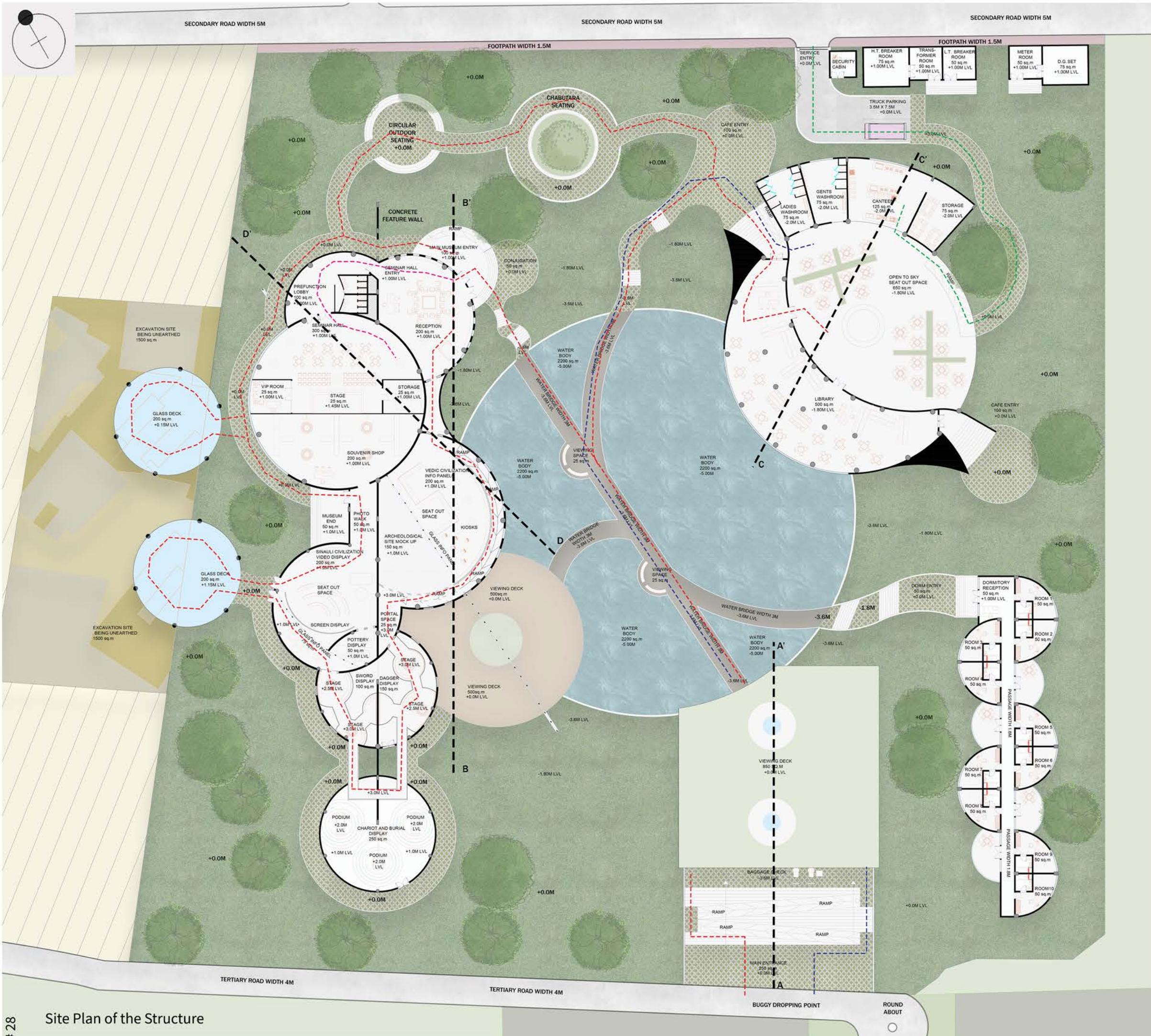
-1.8m

#25



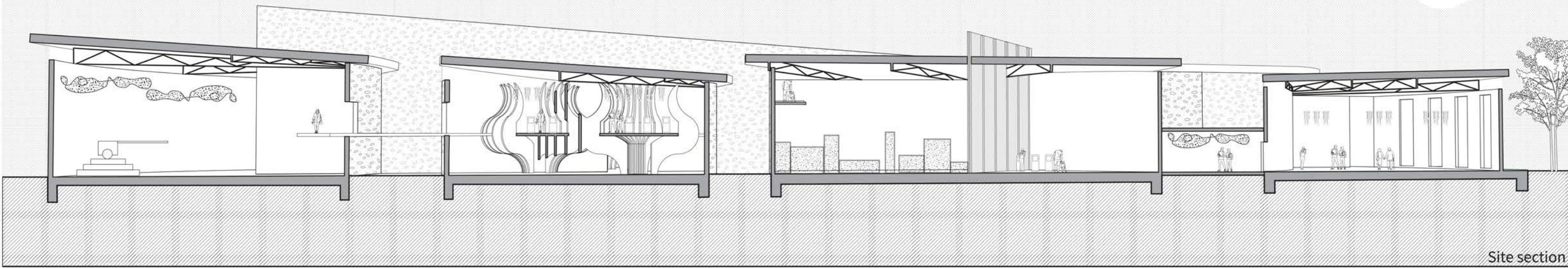
**SINAULI : EXPERIENCING THE LOST HISTORY
MUSEUM DESIGN PROJECT
LOCATION - SINAULI, INDIA**

Sinauli is an archaeological site located in Baghpat district, Uttar Pradesh. The site recently gained attention due to the **discovery of solid wheeled cart in 2018**, interpreted as horse-driven chariots belonging to Vedic period. The excavations in Sinauli have **questioned many theories based by many foreign theorists and researchers** like the Aryan invasion theory. The discoveries also include **OCP pottery and antennae swords** that differ the civilization found in Sinauli to that of any other sites belonging to the Harrapan civilization.



All cylindrical spaces are interlinked with a line, symbolizing **interconnected stories**, forming an unusual shape to beautifully reflect the narrative.

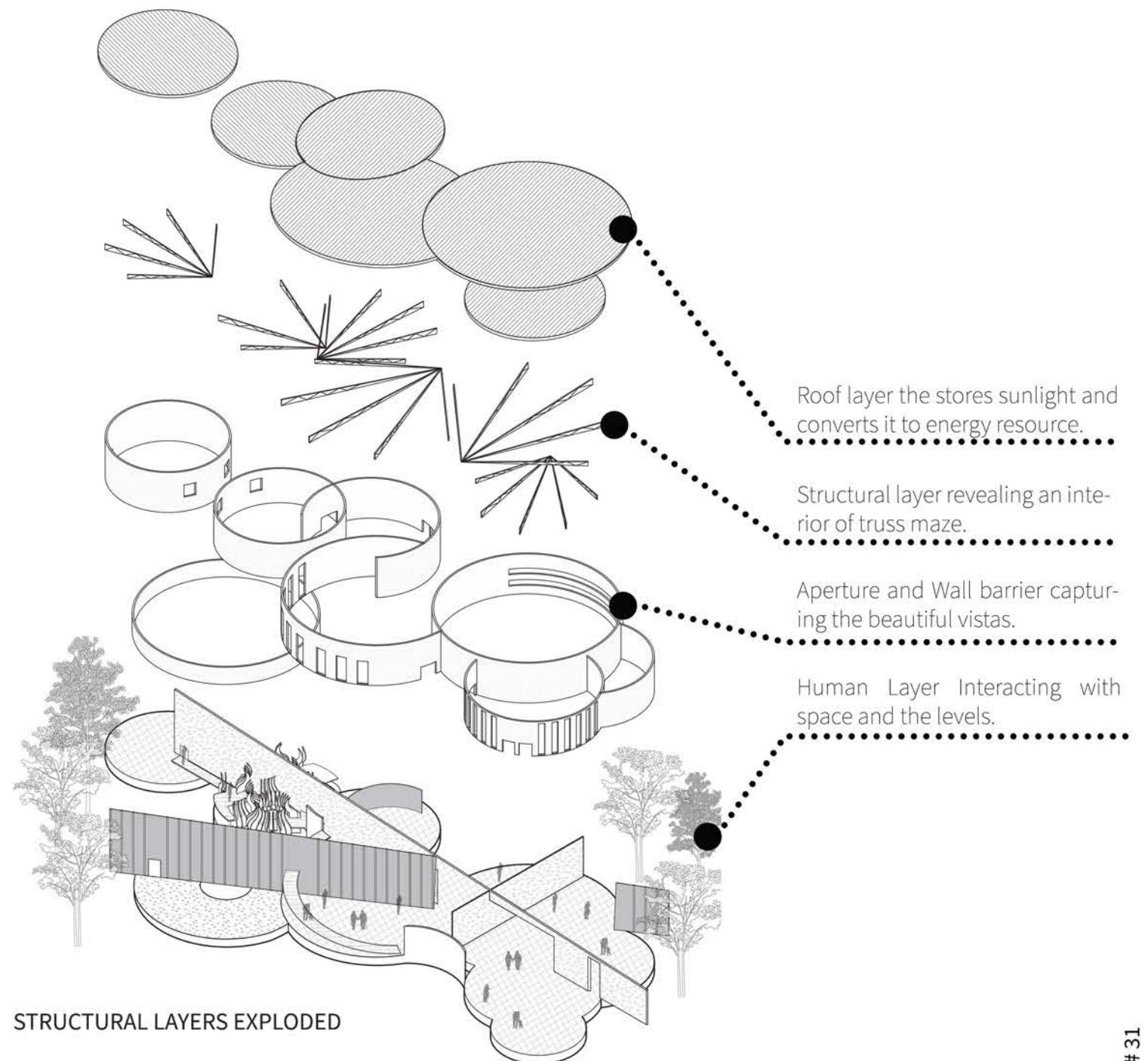
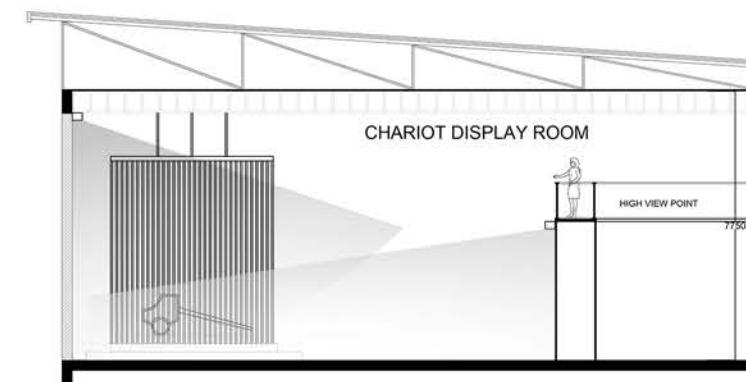
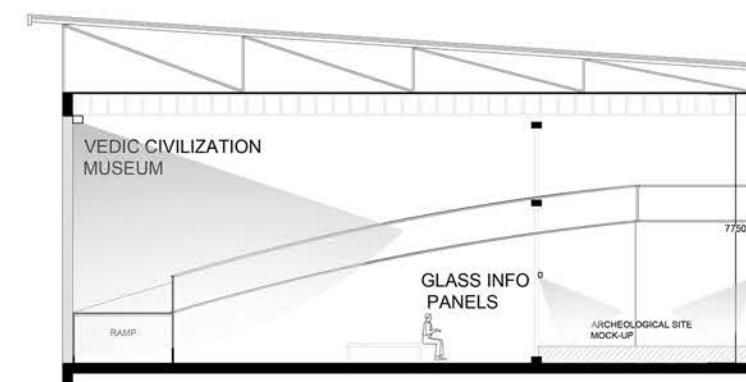
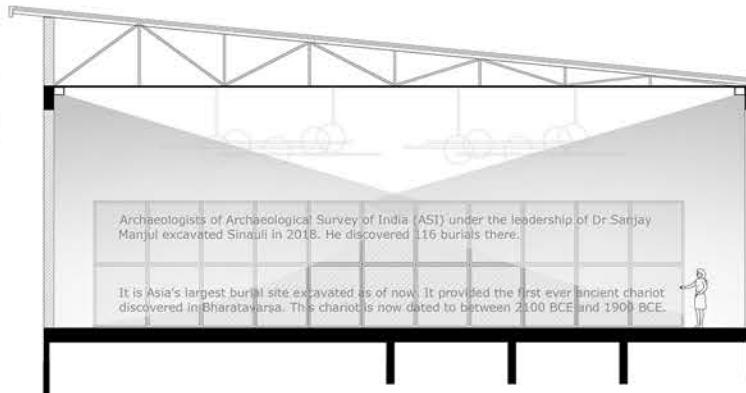
The placement of structures ensures none overpower the main museum or obstruct its view, **emphasizing the museum and its history.**



INTERNAL ILLUMINATION STRATEGY

Light plays a very important role when it comes to illumination of how each light orb guides every visitor to achieve the marvelous experience provided by the centre. Specific task lighting is provided in each space for their specific role of highlighting each and every artifact. The light also helps to shine light upon surfaces prominent to the experience factor of the museum.

It is the lighting that makes Sinauli Museum a focal point in the entire site.



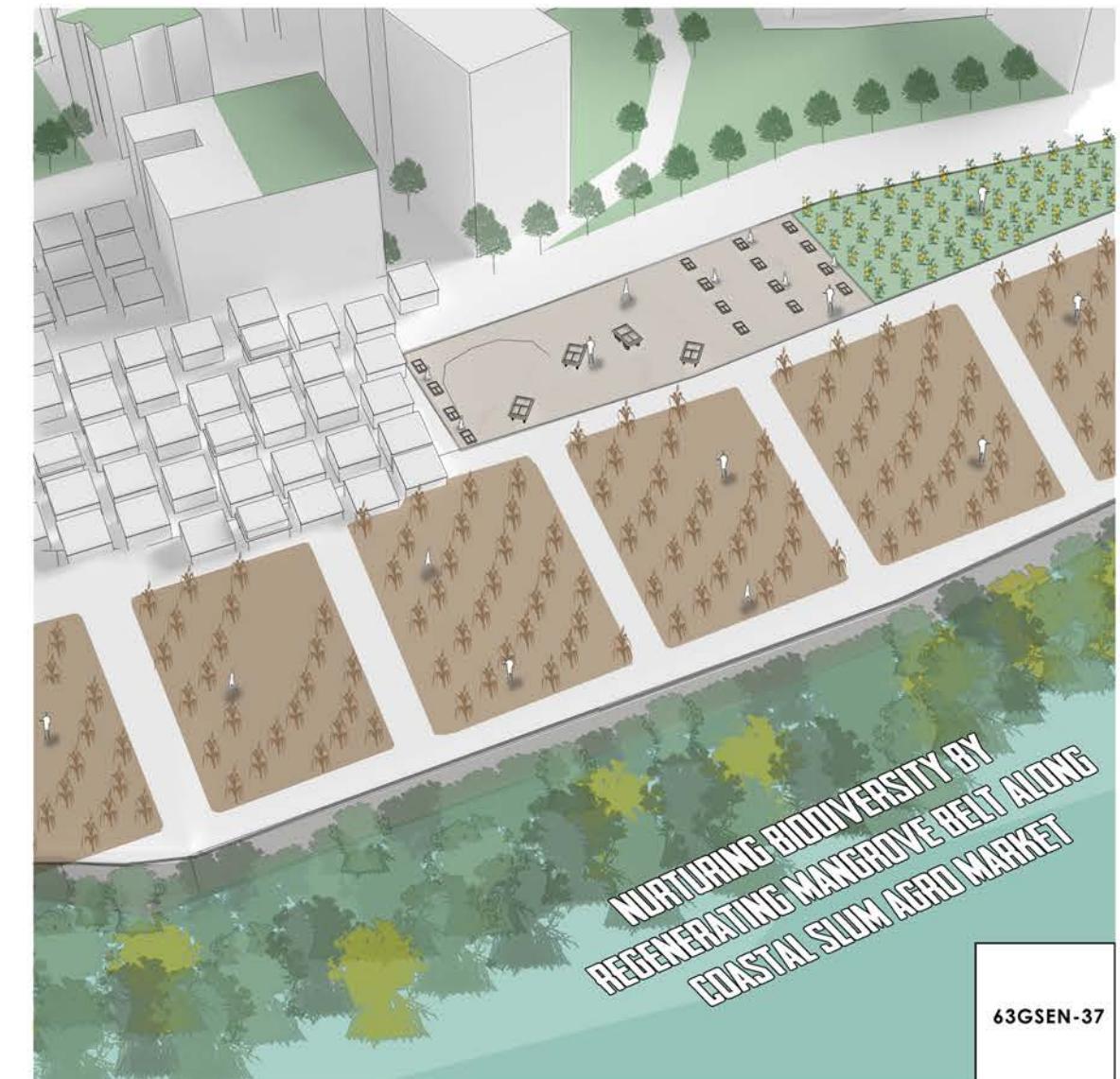
MALABAR HILL AN INITIATIVE TO SUBSISTENCE

In the quest of equity, Malabar hills inherits a potential to make the city self-sustained society.

Significant urban congestion has made Malabar hill shun its natural flora and be dependent on rural outskirts for its food supply. However, increasing agriculture land degradation and escalating urban density are not helping to overcome the issue and it has been aggravated due to the pandemic.

From pockets to building facades, everything is a fertile medium for landscaping. Using organic mediums and nurturing fauna along with the public realm, the design ideals helps to elevate the social status of Malabar hill residents. It concentrates on integrating religious places to provide a resourceful appeal to the design.

Hence, the proposal focuses on creating a neighbourhood that remains unaffected by the issues brought by the pandemic.

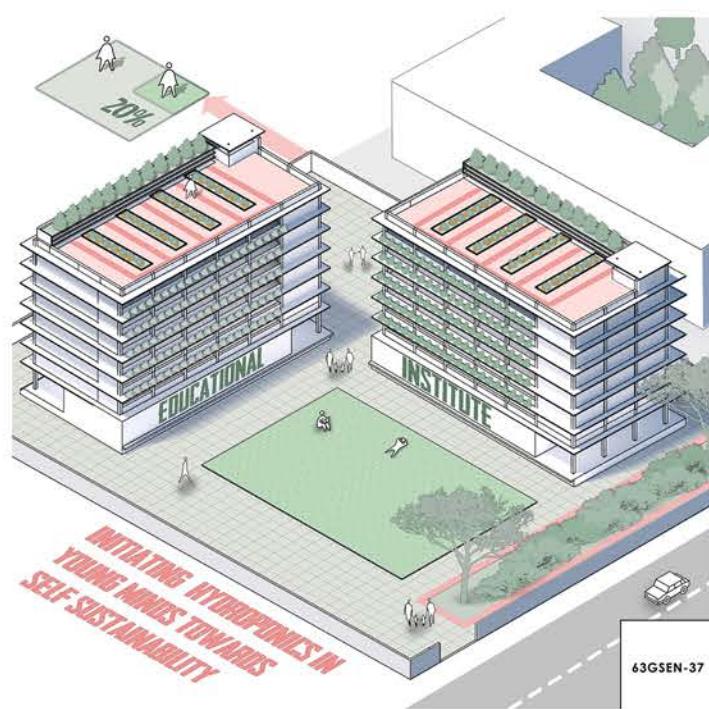
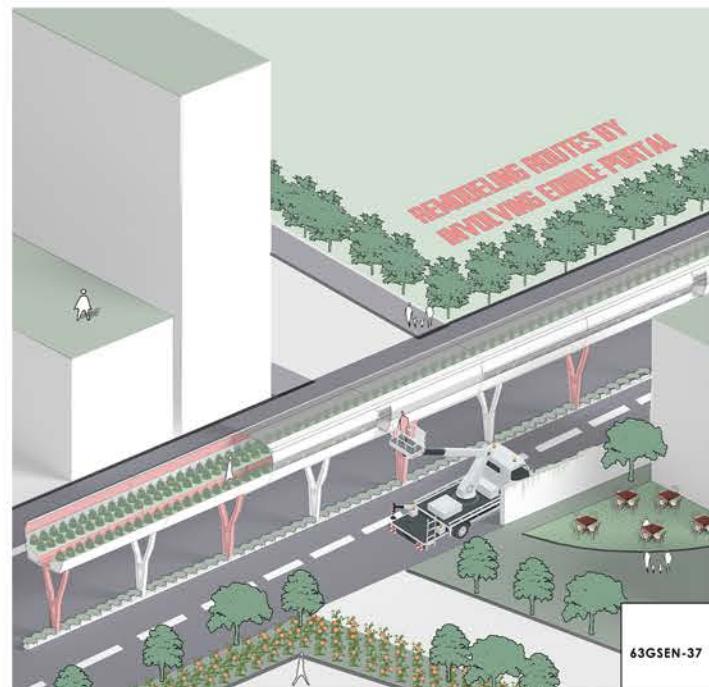


Overview

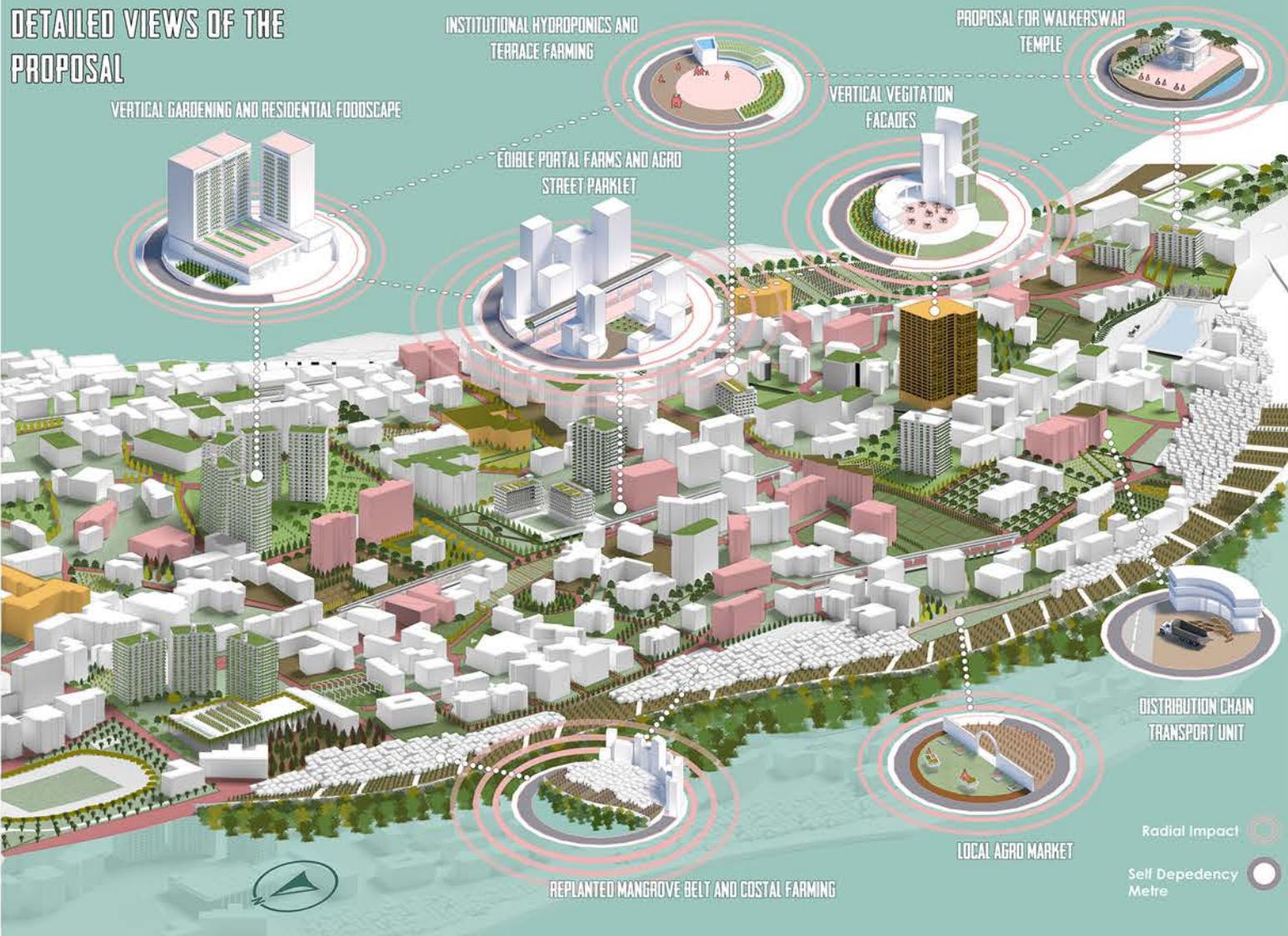
Cities in India have seen unprecedented development in the last 10 years and a **large influx of people from rural areas**. The ecological infrastructure and environment in **most cities** are **stressed** or already severely damaged. To be specific, large areas of farmlands have been replaced, significant areas of forests cleared, pollution levels in cities have risen, and rivers and lakes are drying or are heavily polluted. Further, the needs and lifestyles of our growing society put huge stress on environmental systems and natural cycles. Thus, it is vital to conceive and generate innovative ideas of productive public realm centred around the themes of **improved agricultural productivity, enhancement of biodiversity, and ecologically sensitive urban designs** in the grain of the city. The project serves as a solution by integrating food into the design of public space so that we accept this **utilitarian landscape** as a part of everyday landscape.

One of the primary virtues of edible landscapes lies in their capacity to **redefine urban spaces**, not merely as static backdrops but as active **contributors to the health and well-being of city dwellers**. These landscapes don't just yield sustenance; they foster a sense of ownership and pride within communities. Public spaces adorned with **edible flora** become living classrooms, nurturing a deeper understanding of agriculture, nutrition, and environmental stewardship among city inhabitants.

The notion of an edible landscape transcends traditional gardening practices. It embodies the **convergence of horticulture and urban design**, transforming ordinary spaces into vibrant, productive ecosystems. Be it repurposing rooftops, reclaiming derelict lots, or enriching public parks with fruit-bearing trees, the potential for integrating edibles into urban environments is boundless.



DETAILED VIEWS OF THE PROPOSAL

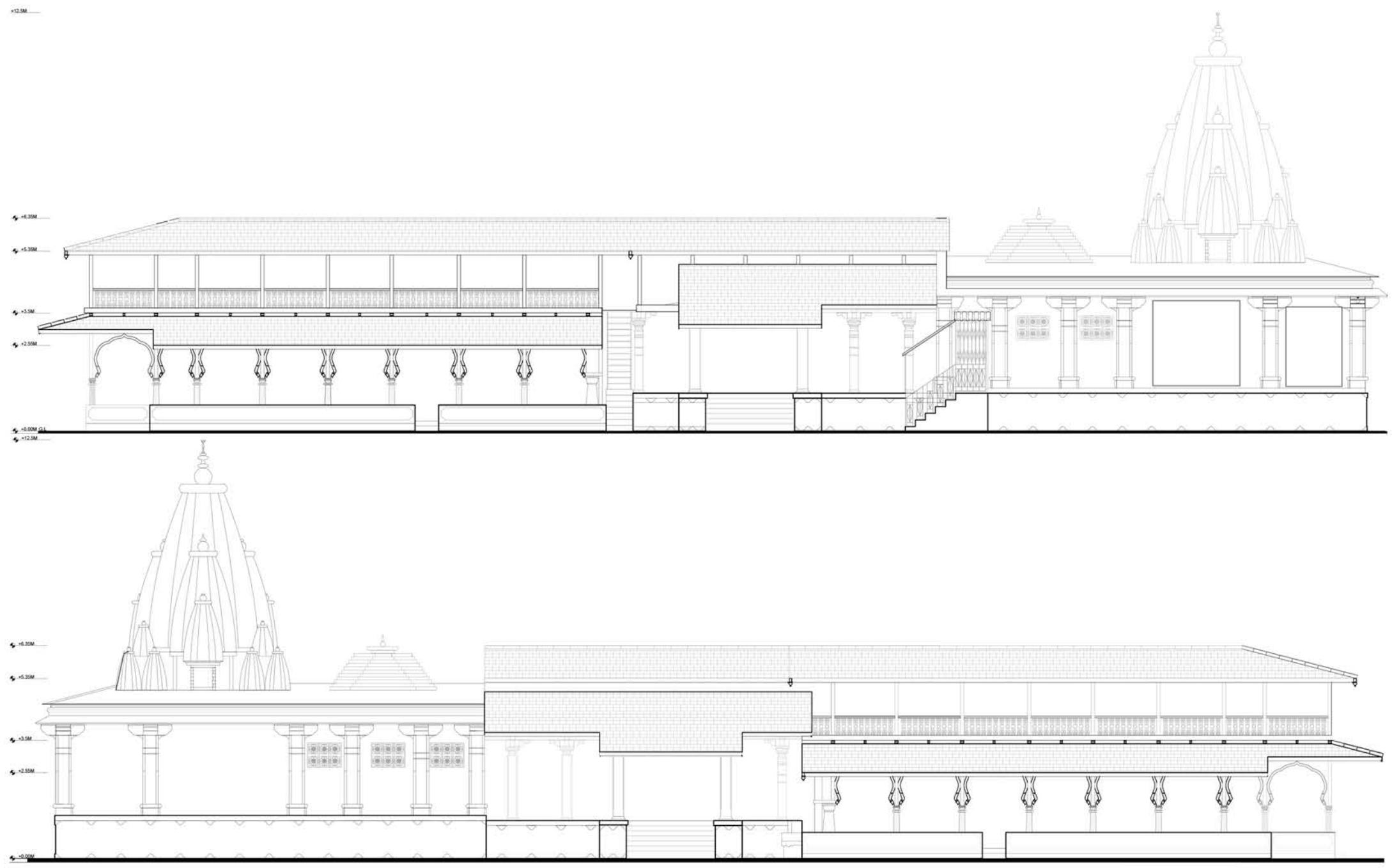


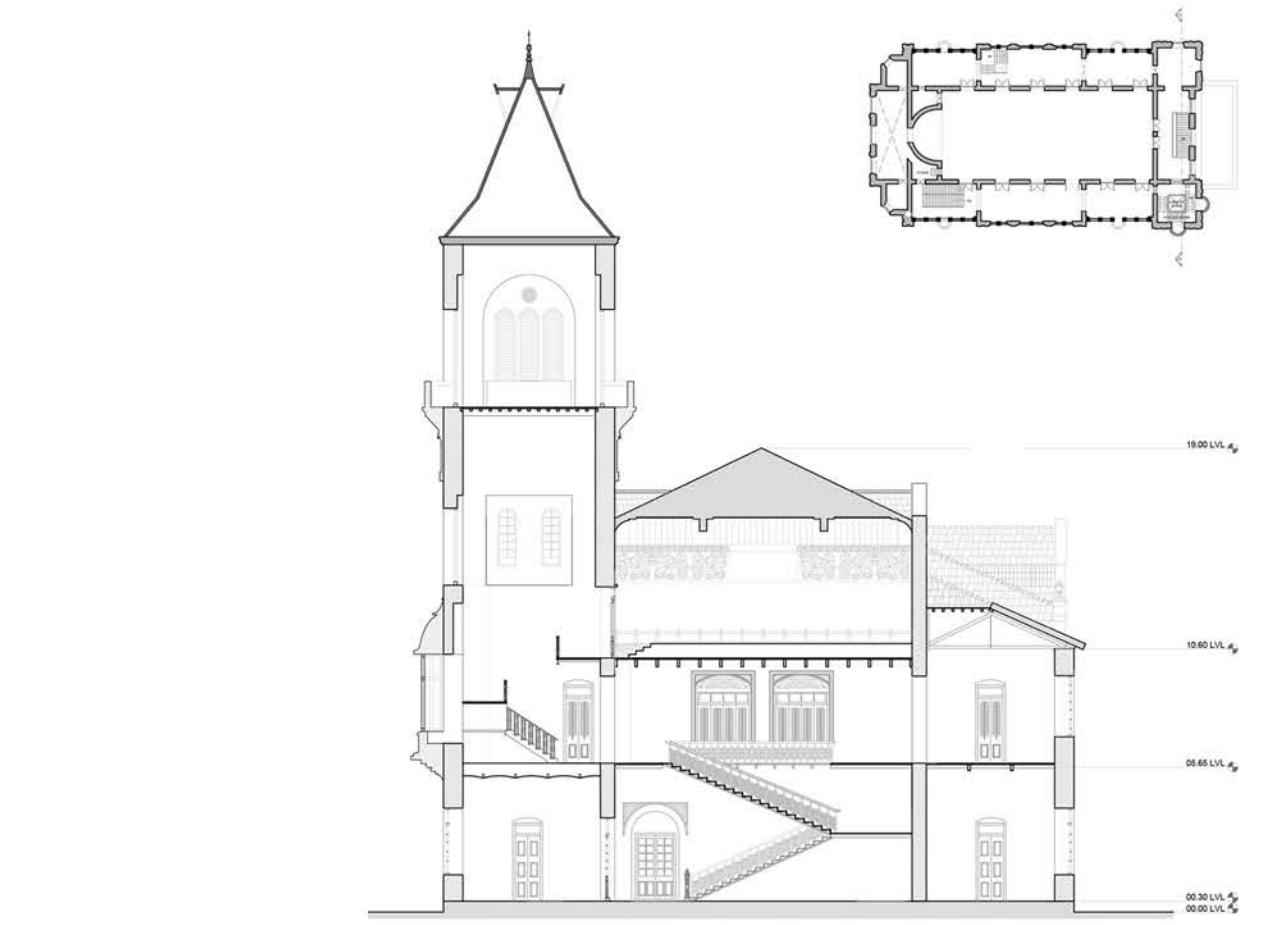
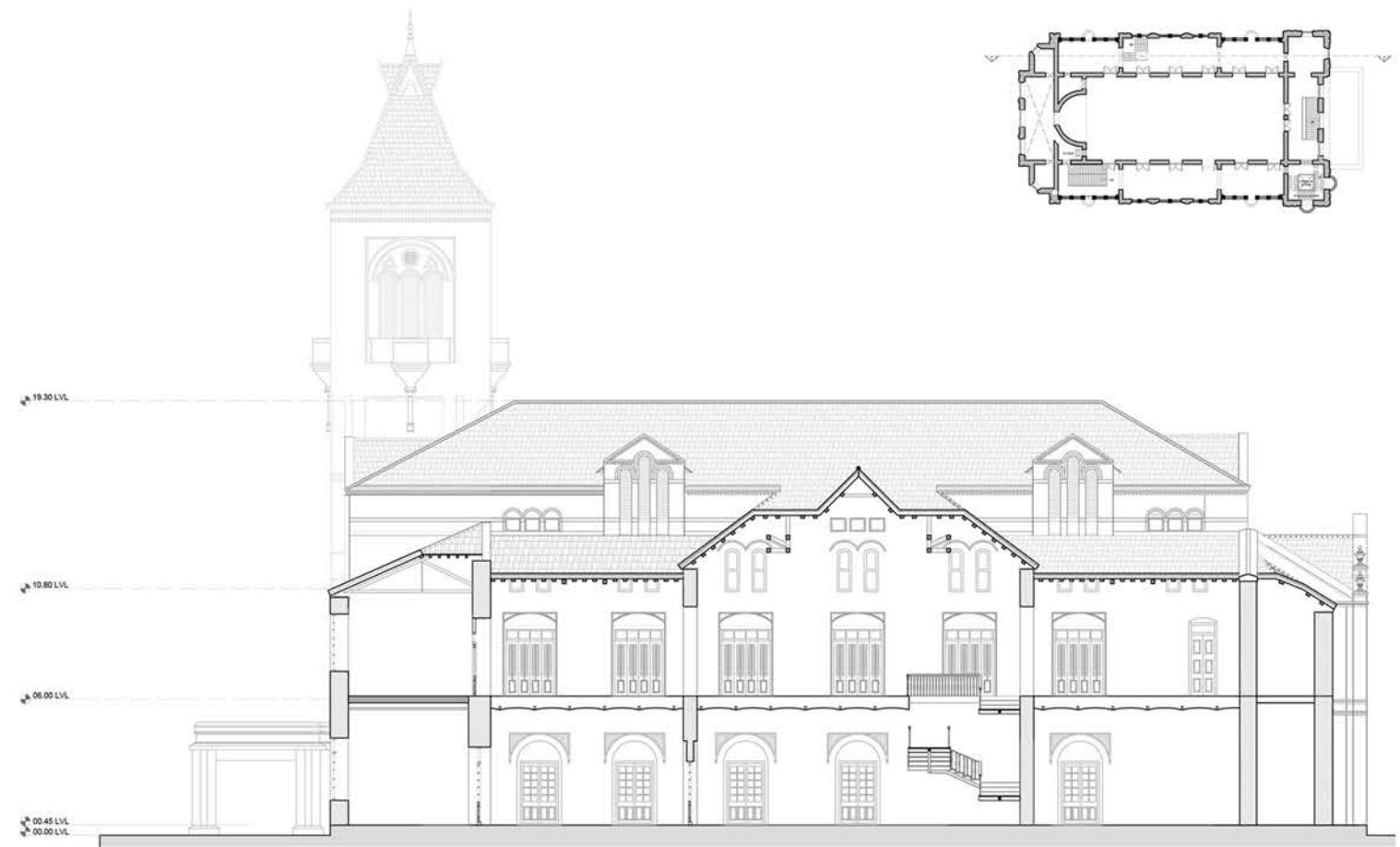
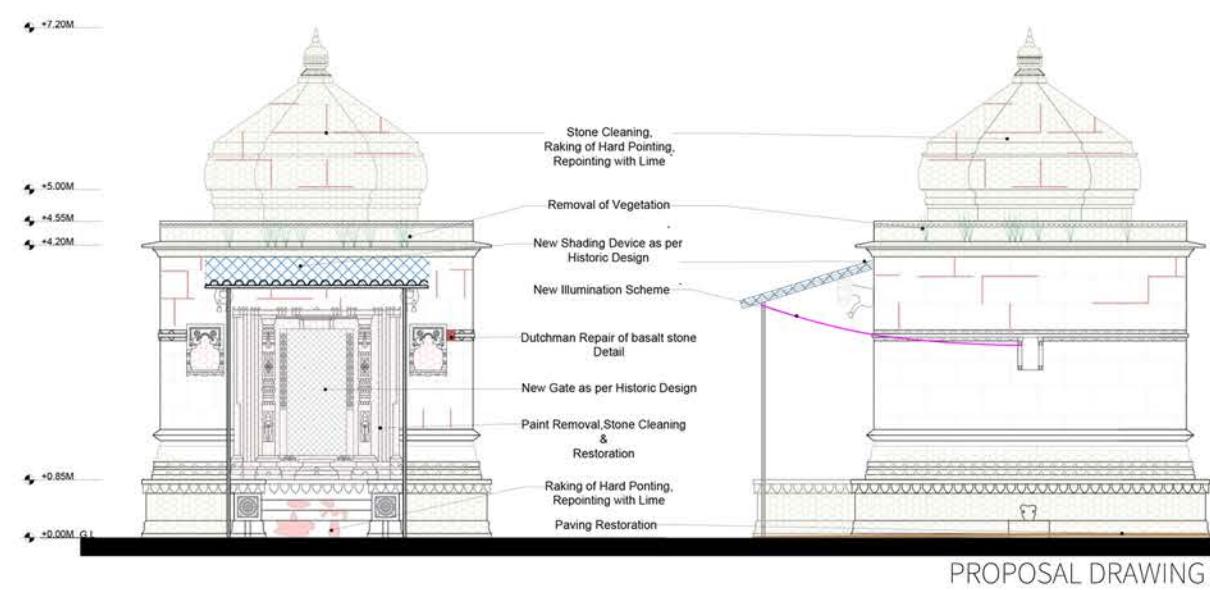
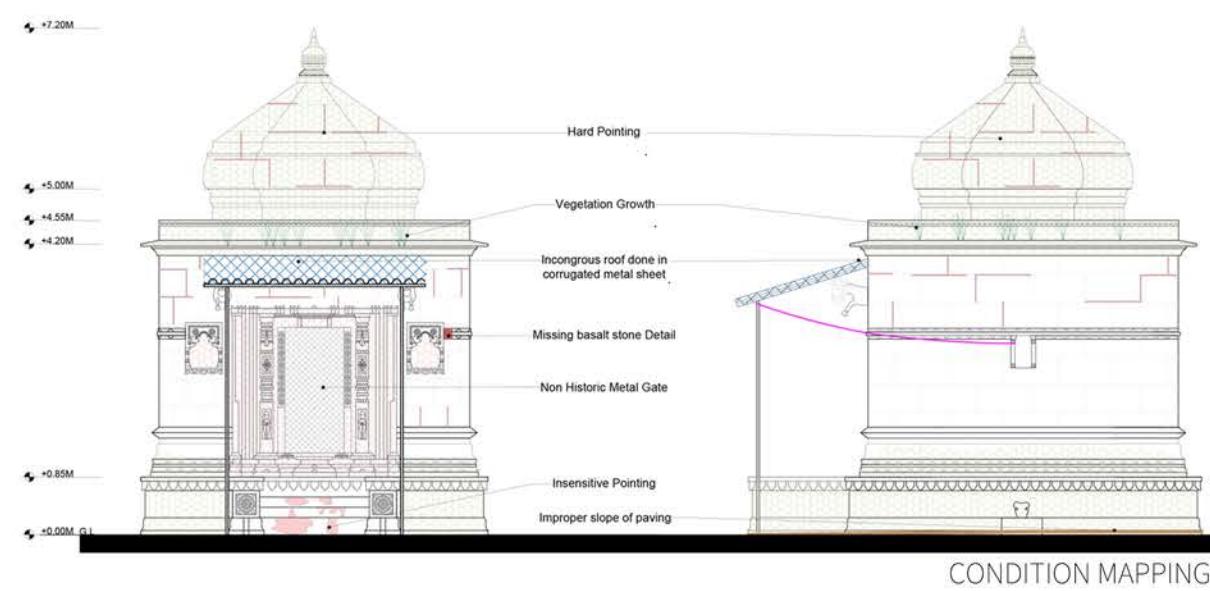
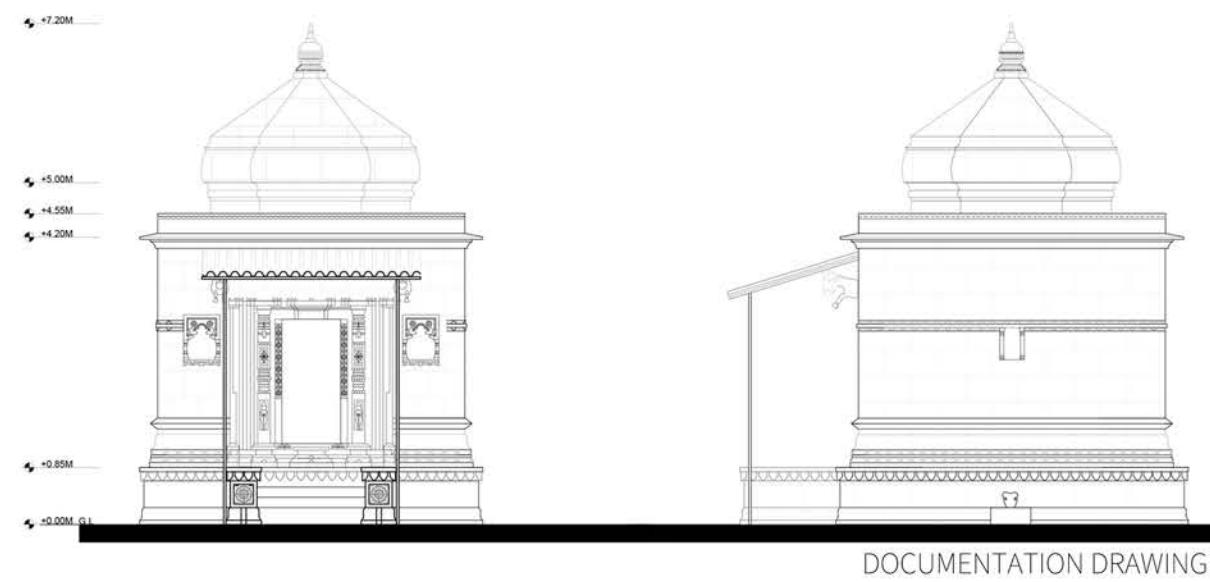
MALABAR HILL AN INITIATIVE TO SUBSISTENCE

PROFESSIONAL INTERNSHIP

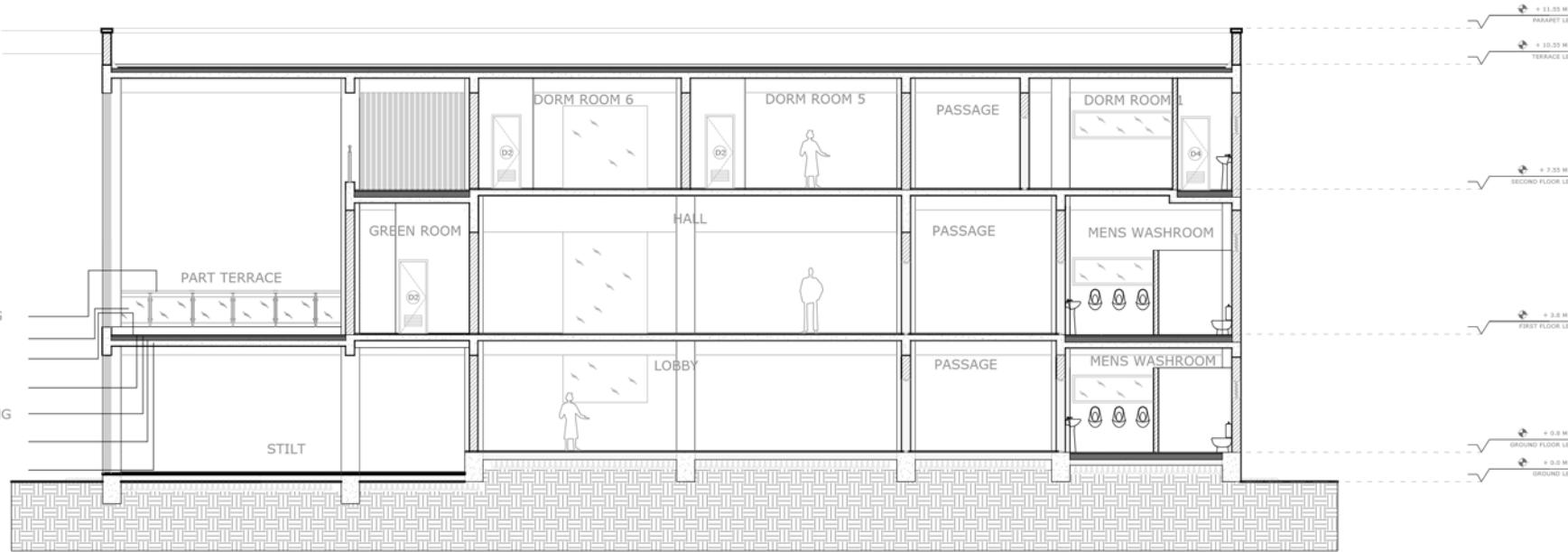
Abha narain lambah Associates
Mumbai, India

Abha Narain Lambah Associates is a leading architectural firm in India, specializing in Architectural Conservation, Building Restoration Retrofit, Museum Design, Historic Interiors, Preparation of Urban and Regional Level Conservation Management Plans, Conservation Assessment Studies, Urban signage and Street furniture. The architectural practice has focused on historic sites all over India ranging from planning for ancient Buddhist sites of Ajanta and Bodh Gaya, 15th Century temples in Ladakh and Hampi, medieval mosques, palaces, forts and caravan sarais in Rajasthan, Hyderabad, Madhya Pradesh and Punjab, urban and regional conservation in Kancheepuram and Shekhawati, 19th Century colonial heritage in Delhi, Shimla, Pune, Bangalore, Mumbai, and 20th century modern heritage in Corbusier's Chandigarh and Art Deco Mumbai.





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BRICK PARAPET

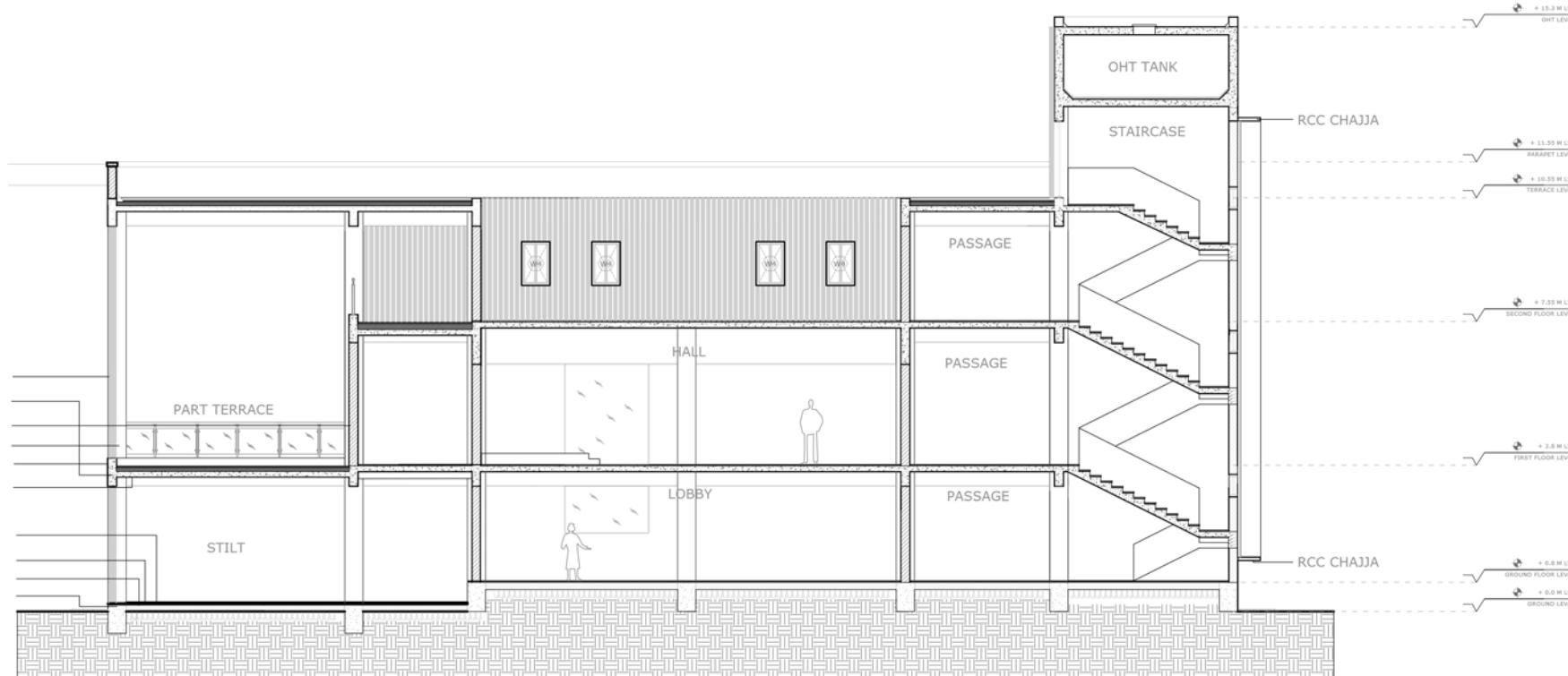


SECTION A-A'

CONCRETE COPING
BRICK PARAPET

TW FINS
300 X 600 RCC BEAM
230 MM THK BRICK WALL
500 X 500 RCC COLUMN
18 MM EXTERNAL PLASTER
12 MM INTERNAL PLASTER

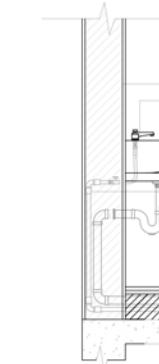
15 MM THICK TILING
75 MM THICK DPC
150 MM THICK PLINTH
500 X 600 PLINTH BEAM



SECTION B-B'

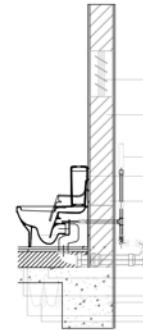
230MM THK BRICK WALL
FAUCET
WASH BASIN
INLET PIPE
GREY WATER PIPE

15MM TILING
12MM WATERPROOFING
SUNK SLAB

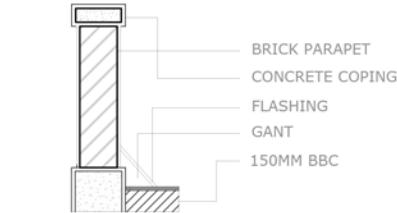


WASH BASIN DETAIL

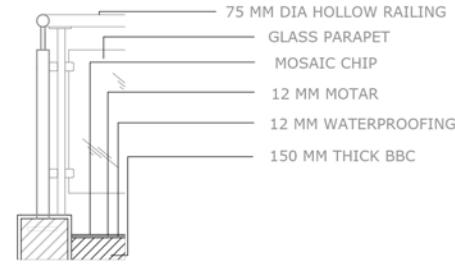
600 X 900 LOUVRE WINDOW
230 MM THK BRICK WALL
SOIL PIPE
VENT PIPE
WATER CLOSET
FIRST CLASS BRICK WORK IN CEMENT MORTAR (1:6)
500 X 600 PLINTH BEAM
RAMMED EARTH
200 MM SUNKEN SLAB
12 MM WATERPROOFING
15 MM TILING



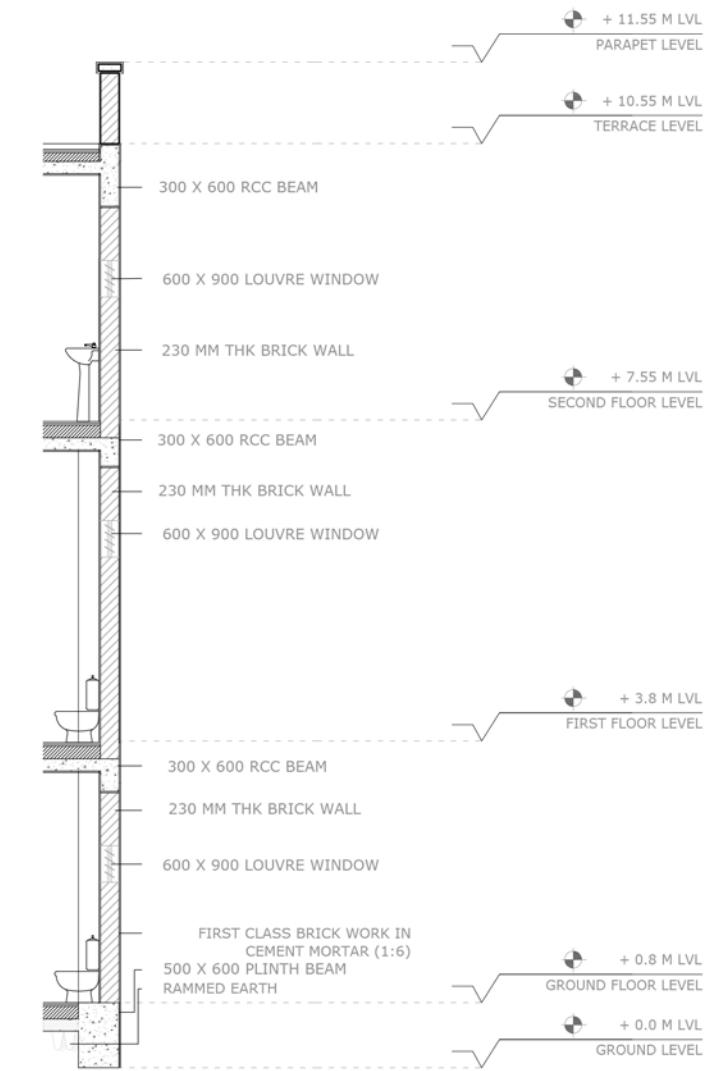
WATER CLOSET DETAIL



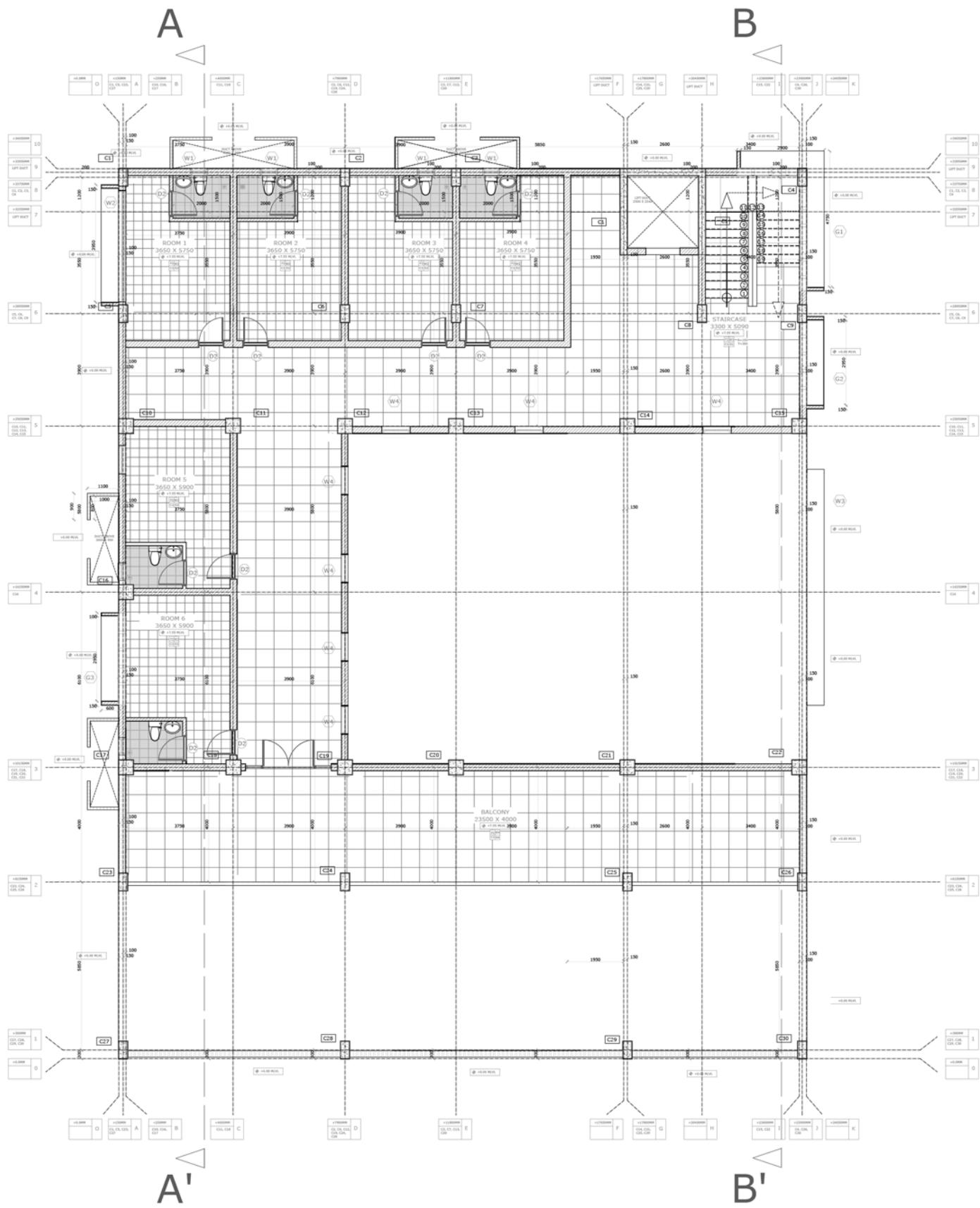
BRICK PARAPET
DETAIL



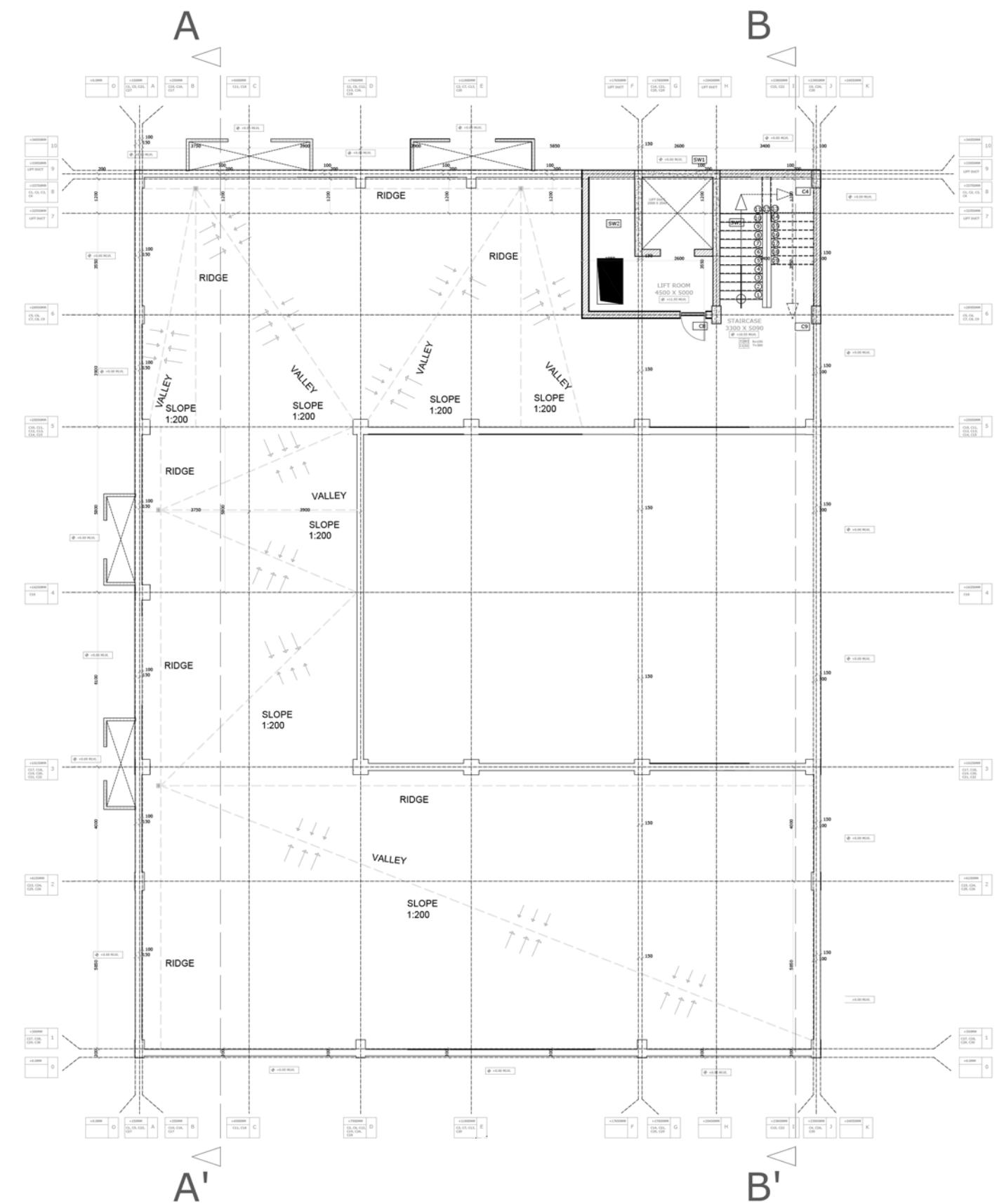
GLASS PARAPET
DETAIL



WALL SRTIP SECTION



44



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