

The background of the portfolio cover is composed of two distinct line patterns. The upper half features a series of thin, vertical, parallel lines in a light gray color against a white background. The lower half features a series of thin, radial lines in a light gray color against a dark gray background, creating a perspective effect that draws the eye towards the center. A white rectangular box is centered horizontally and spans across the boundary between the two line patterns.

Architecture **PORTFOLIO**

NAMAN KUMAR \ 2020-2024 \

||Table of contents||

1.

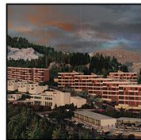


CURRICULUM VITAE _____ \ 4-7 \



KAIRA LOORO 2023 _____ \ 8-17 \

2.



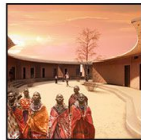
HILL HOUSING DESIGN _____ \ 18-33 \

3.



HOSPITAL DESIGN _____ \ 34-43 \

4.



GREAT GREEN WALL _____ \ 44-49 \

5.



MISCELLANEOUS _____ \ 50-61 \

||Curriculum Vitae||



knaman7625@gmail.com
+91 9646178181

Corbu House
Sector 12, Chandigarh

Hi,

I'm **Naman Kumar**. Driven to bridge theoretical understanding with practical application, I am an ambitious architecture student actively pursuing an enriching internship opportunity. Currently enrolled in a Bachelor's program in Architecture, my passion lies in transforming innovative design ideas into functional, realizable spaces.

This portfolio demonstrates my ability to combine creative and technical knowledge, showing my learning process and the skills I hope to further build. I am enthusiastic to begin an internship that will not only sharpen my talents but also allow me to make significant contributions to real-world architectural projects. My acute observational abilities and enthusiasm for examining numerous aspects of architecture drive my desire to learn and progress.

INTERESTS



SKILLS

- Computer Proficiency
Leadership Quality
Teammate Skill
Team Management
- Eager to Learn
Problem Solving Abilities
Keen Observation
Vision and Creativity

LANGUAGES

Hindi English

ABOUT ME

Indian
Nationality

Male
Gender

21
Age

O+
Blood Group

Chandigarh, India
Current Location

13/08/2002
Date of Birth

EDUCATION

2018 | High School
Kendriya Vidyalaya, Sector 47,
Chandigarh
10th grade | 86.4%

2020 | Intermediate School
Kendriya Vidyalaya, Sector 47,
Chandigarh
12th grade | 82.6%

2024 - Pursuing
Chandigarh College of Architecture,
Panjab University, Chandigarh
B.Arch

SOFTWARE PROFICIENCY

DRAFTING	
Autodesk Autocad	Proficient
3D	
Rhinoceros 3D	Proficient
Autodesk Revit	Beginner
SketchUp	Intermediate
ADOBE	
Photoshop	Intermediate
Illustrator	Intermediate
Indesign	Intermediate
RENDERING	
Twinmotion	Proficient
Lumion	Proficient
V-ray	Intermediate
Hand drafting Model making Sketching Documentation Photography	

STUDIO PROJECTS

1st year
Dec 2020-Aug 2021

Security check-post design
(Individual)
Chandigarh, India

Bus stop design
(Individual)
Chandigarh, India

Residence design
(Individual)
Morjim beach, Goa, India

Medical dispensary design
(Individual)
Chandigarh, India

2nd year
Sep 2021-Jul 2022

COMPETITIONS

2021
120 Hours
(Group of 5)
Brainstorming

MiG Prize 2021
(Group of 9)
Post- covid Architecture
Sensory Architecture
5 Senses Theory

Jumpthegap
(Group of 2)
Crisis and emergency solutions
Product design
Sustainable development

2022
120 Hours Mini
(Individual)
Brainstorming

2023



Boys hostel
(Individual)
Sector 12, Chandigarh, India

Motel design
(Group of 4)
Karnal, Haryana, India

Residenstial school
(Individual)
Sector 25, Chandigarh, India

Office Complex
(Group of 2)
I.T. Park, Panchkula, Haryana

3rd year
Aug 2022-Jun 2023

Homestay design
(Individual)
Kangra Valley, H.P, India

Vernacular project
(Individual)
Kangra Valley, H.P, India

Hill housing
(Group of 3)
Solan, H.P, India

Theatre design
(Individual)
Sector 88, Mohali, Punjab, India

4th year
Aug 2023-Present

200-bedded hospital design
(Group of 2)
Sarangpur, Chandigarh, India

Exhibition pavillion design
(Individual)
Jaipur, Rajasthan, India

ADDITIONAL EXPERIENCES

120 Hours
(Group of 5)
Brainstorming

Great Green Wall
(Group of 3)
Dwelling design for African Tribals
Research and Vernacular design

Kaira Looro
(Group of 3)
Primary school design in Africa
Vernacular design
Grid Planning

The CASA
(Group of 3)
Luxurious house in Iceland

Iconic week
Model making of iconic buildings of chandigarh
Chandigarh college of Architecture

Wall mural
Mural design and execution
Le corbusier's day
Chandigarh college of Architecture

Stage deisgn
Convocation stage design and execution
Le corbusier's day
Chandigarh college of Architecture

ARCHO 22'
Installation design
Merchandise design
Flag design

Thesis assistance
Ar. Yogesh Kumar
Chandigarh college of Architecture

Part time internship
At Architecture Anew
For 4 months

ARCHO 23'
Installation design
Merchandise design
Flag design

Chandigarh Association for Students of Architecture (CASA)
Sports Captain // 2022-23
Chandigarh college of Architecture

Documentation
Punjab Cricket Association Stadium
Mohali, Punjab, India

Thesis assistance
Ankit Biswal
Chandigarh college of Architecture

ARCHO 24'
Installation design
Merchandise design
Flag design

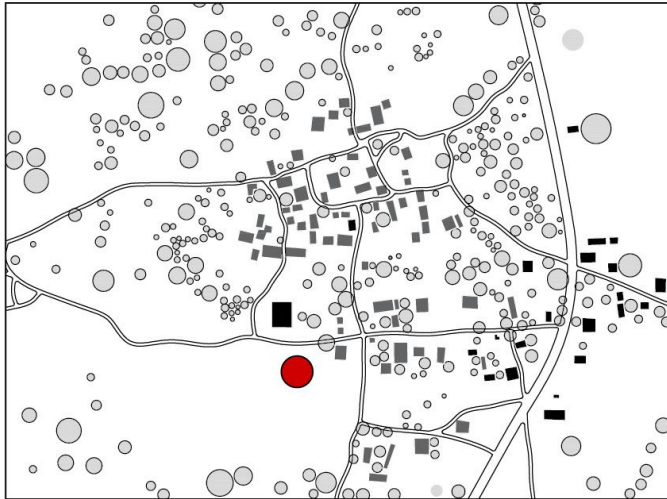


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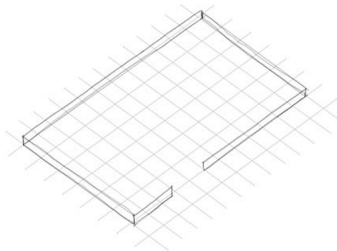
Kerevane Maka, Sedhiou Region, Senegal
12°51'10.35"N, 15°17'12.68"W

RISE-ROOTS PRIMARY KAIRA LOORO

PERIOD - Semester - 6 [June 2023]
PROJECT - Competition (Group - Aniket And Abhidev)
SOFTWARE - AutoCAD, Rhino, Sketchup, Illustrator, Twinmotion, V-ray.

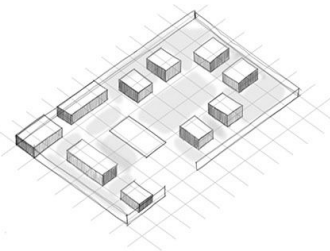
Our primary school, crafted with purpose and care, stands tall as a symbol of opportunity for underprivileged children in Africa. Each corner of our innovative design represents a commitment to providing a nurturing environment favourable to learning, generating pride and inspiration in the kids as they embark on their educational path towards a brighter tomorrow.

CONCEPT



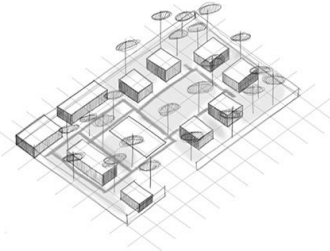
SETTING OUT GRID

Dividing the whole site in a structured grid. The grid's adaptable nature accommodates future expansion and evolution while promoting efficient circulation through well-designed pathways.



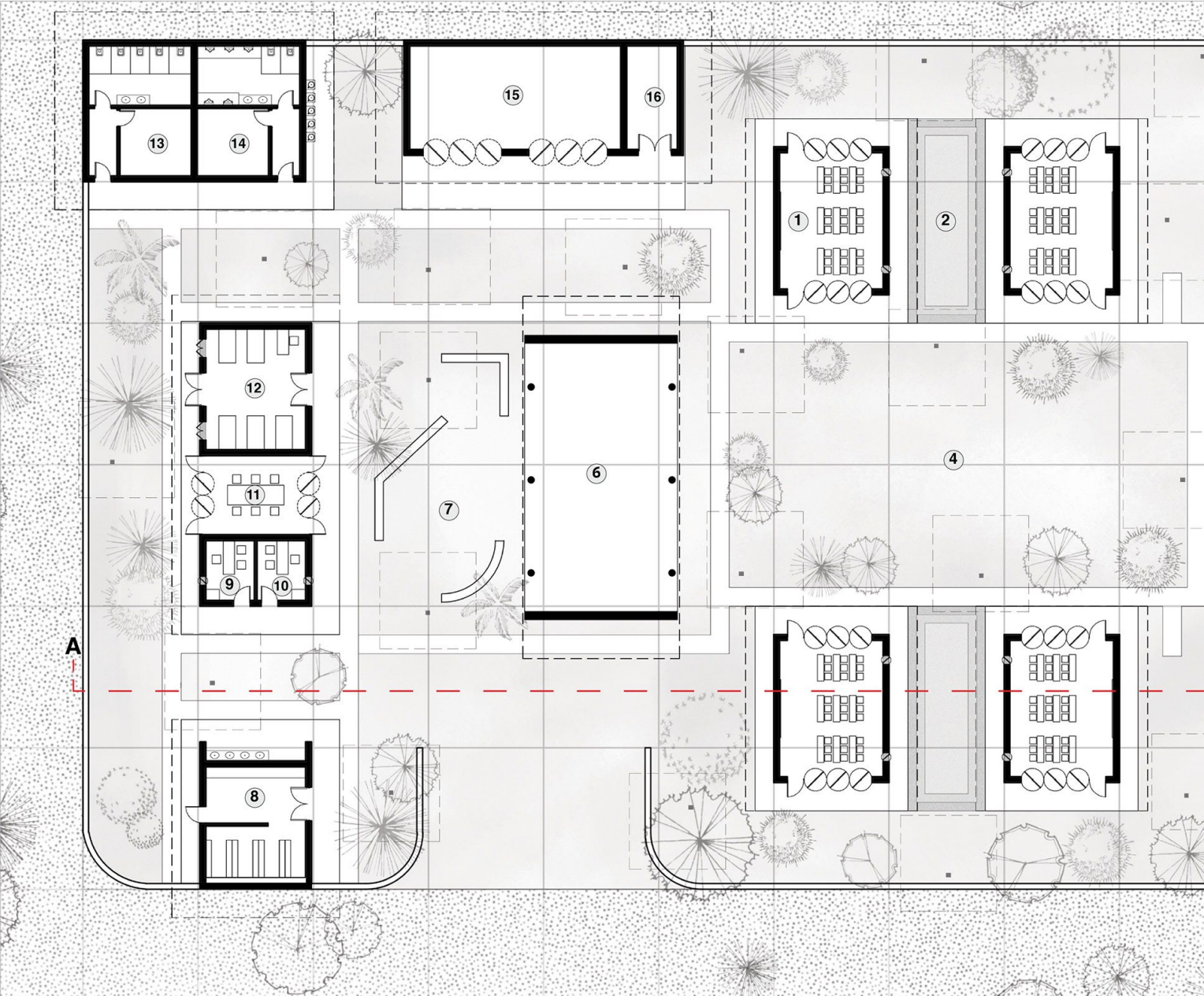
FUNCTIONAL SPACES AND CIRCULATION

Within this structured grid, varied blocks emerge as dynamic components, each uniquely placed to optimize function, aesthetics, and connectivity.



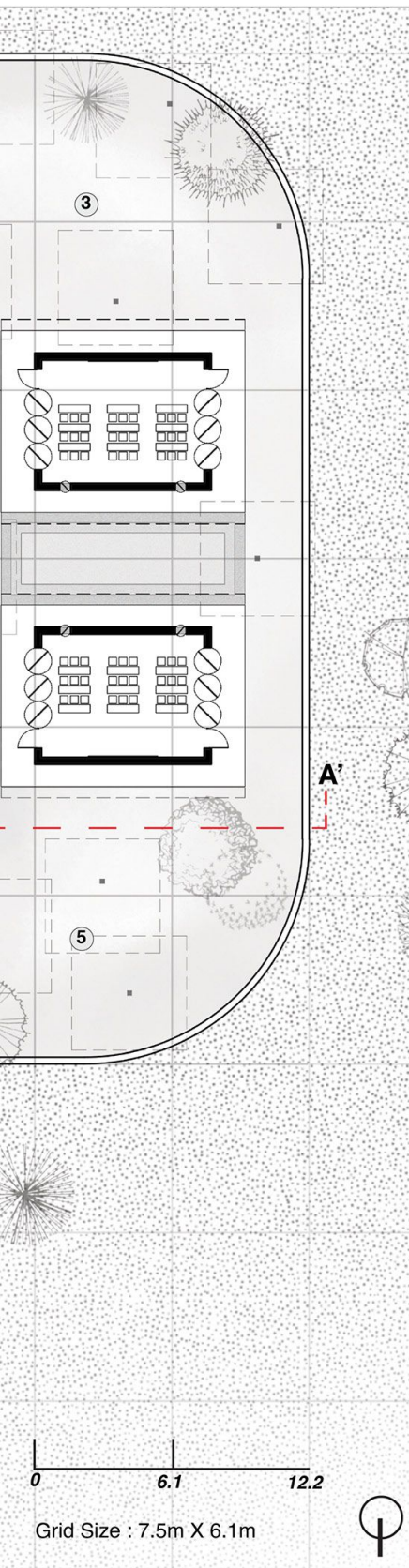
CANOPY OF UMBRELLA STRUCTURES

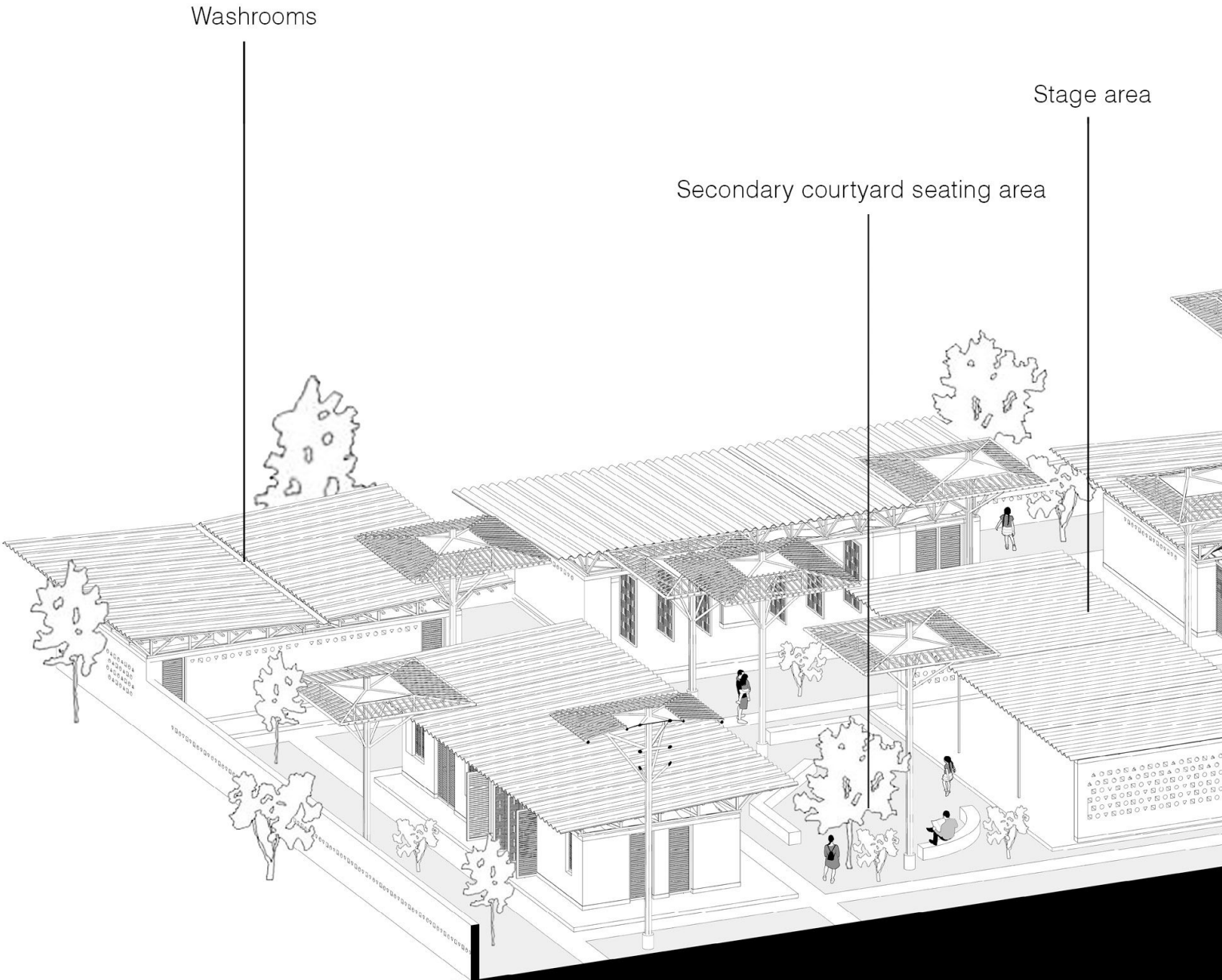
Integrating umbrella structures within the designated blocks of the grid plan serves multifaceted purposes, primarily offering effective shading solutions in gathering spots while adding architectural character.



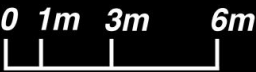
SITE PLAN

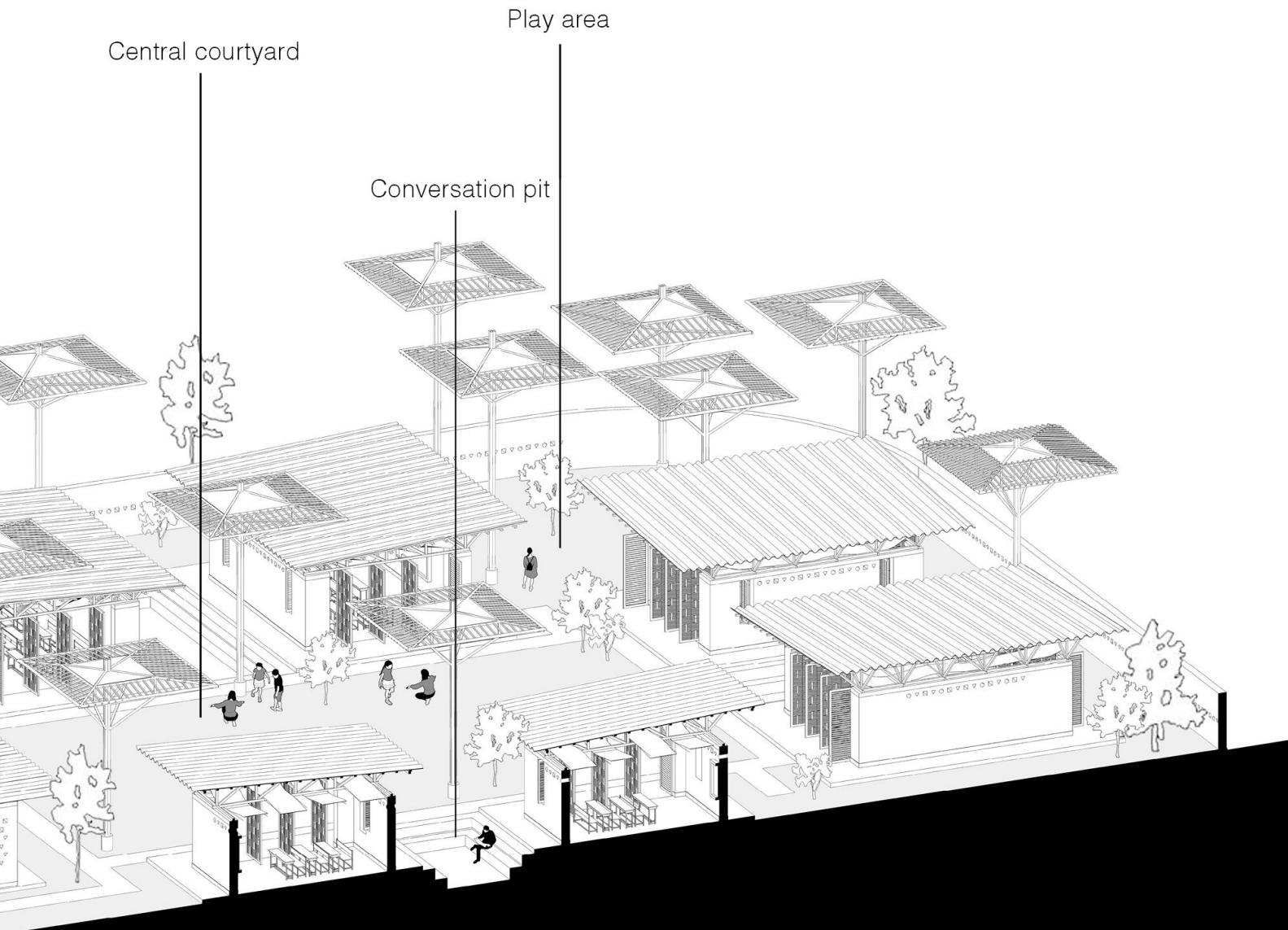
- | | |
|------------------------|-----------------------|
| 1. Classroom | 9. Principal's Office |
| 2. Conversation Pit | 10. Management Office |
| 3. Play Area | 11. Staff Room |
| 4. Central Courtyard | 12. Medical Room |
| 5. Play Area | 13. Female Washroom |
| 6. Multipurpose Deck | 14. Male Washroom |
| 7. Secondary Courtyard | 15. Lab |
| 8. Kitchen | 16. Store Room |



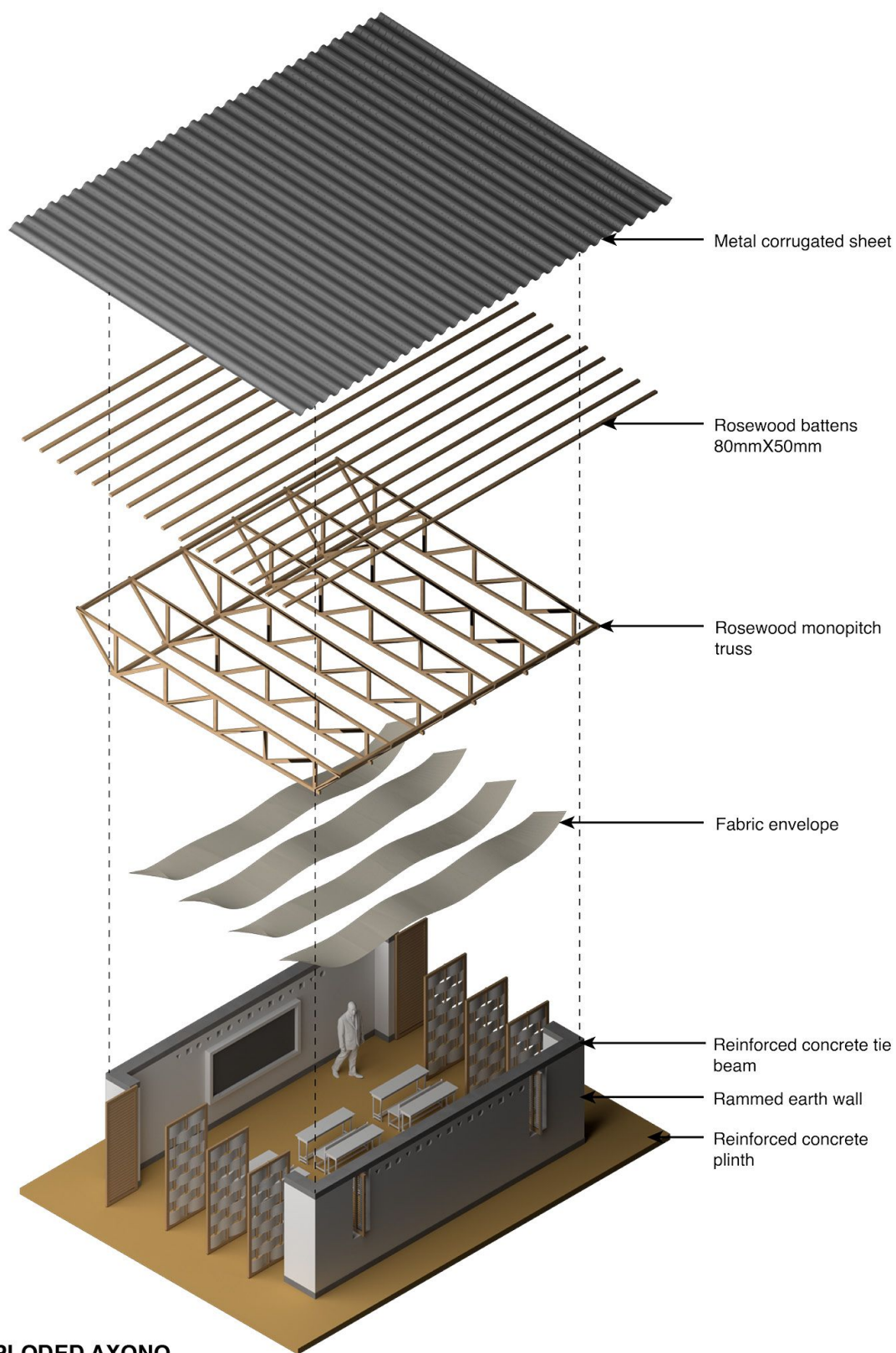


AXONOMETRIC SECTION AA'





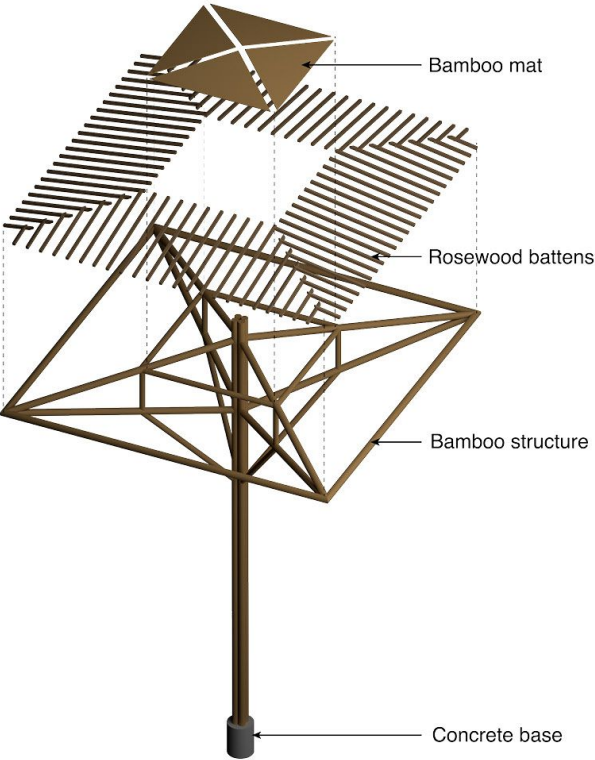
An emphasis on versatility and connection with nature is evident throughout the school's design. The doors pivot effortlessly, blurring the boundaries between indoor and outdoor spaces and accommodating various classroom configurations. The grid layout naturally integrates green spaces, transforming them into social and recreational areas. Encircling a central courtyard, the classrooms encourage social behavior and foster a sense of community.



**EXPLODED AXONO
OF CLASSROOM**

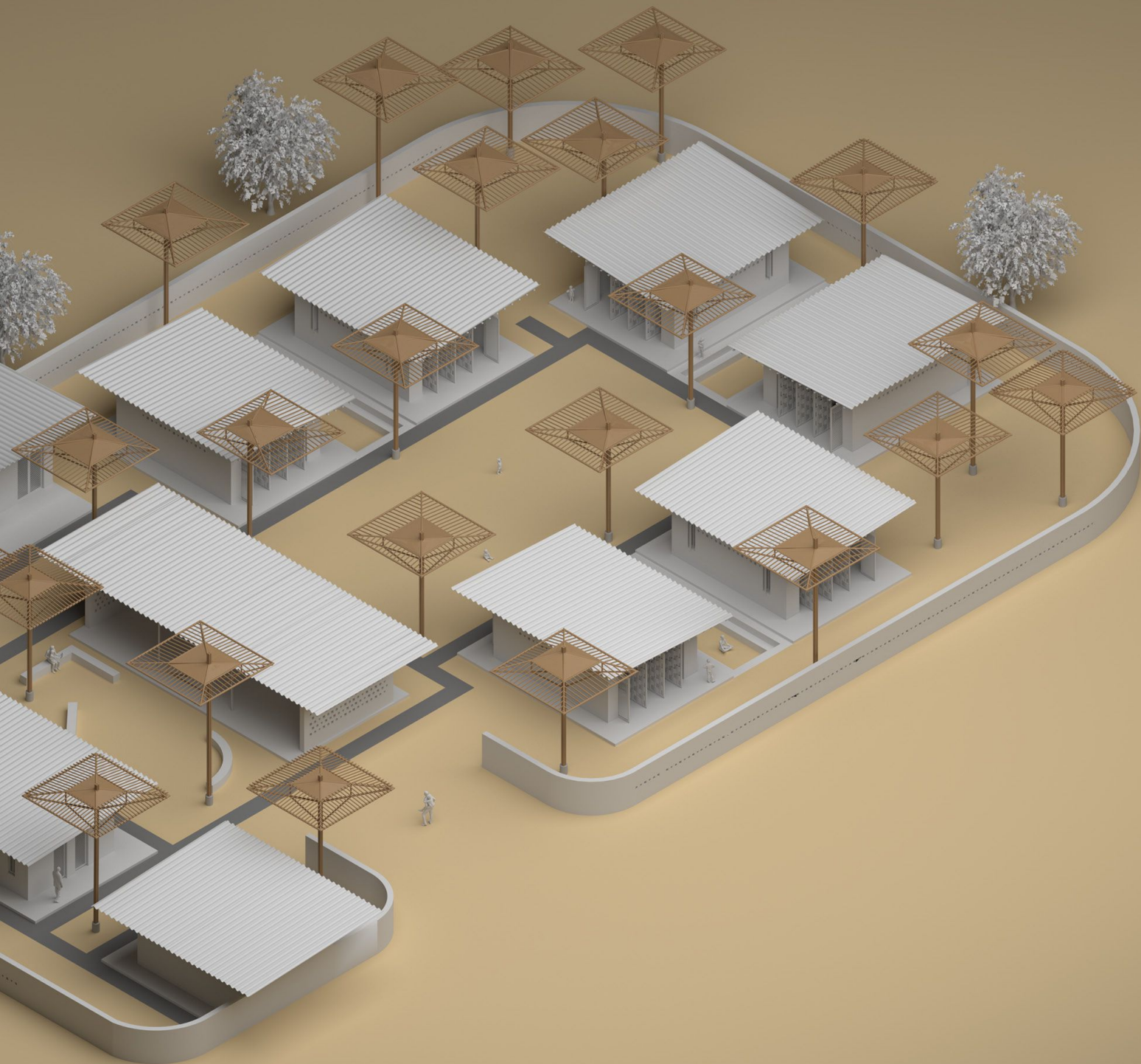


View of Classroom



**EXPLODED AXONO
OF UMBRELLA STRUCTURES**



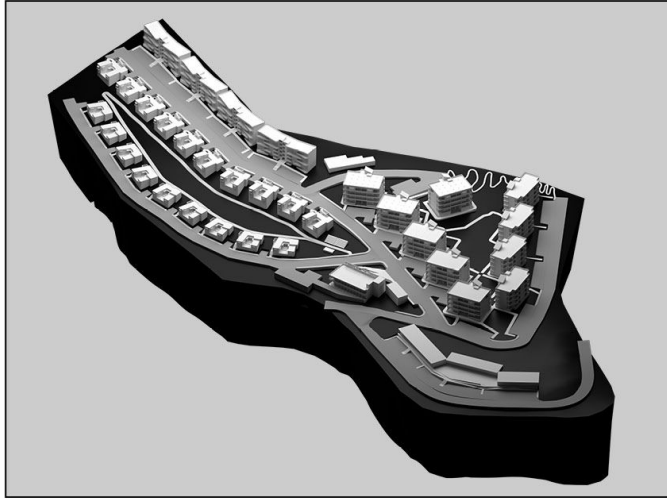




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HOH ABODE

(HIGH ON HILLS)

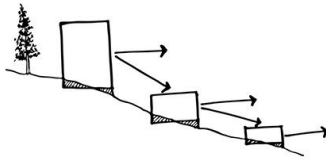
HILL HOUSING

PERIOD - Semester - 6 [April 2023]
 PROJECT - Academic (Group - Aniket And Sonia)
 SOFTWARE - AutoCAD, Rhino, Photoshop, V-ray, InDesign, Lumion.

This architectural marvel creates a work of art in which each precisely carved dwelling engages in an interaction with sunshine and panoramic beauty, encouraging an arrangement of visual harmony. The challenge of building a barrier-free utopia is successfully met. These structures mix with the natural backdrop that breathe in unison with their surroundings.

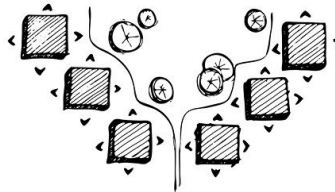
Dharampur, Kasauli, Himachal Pradesh, India
 30°53'16.68"N, 77° 0'16.94"E

CONCEPT



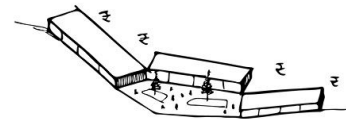
UNOBSTRUCTED VIEWS & EVEN CUT-FILL

Designed in such a way that unhindered views take priority in each typology, as well as a thorough use of the cut and fill technique to blend in with the hillside topography.



STAGGERING OF THE BLOCKS

Strategic block staggered, guaranteeing that daylight reaches every dwelling unit while sculpting a central courtyard, giving both occupants and the landscape an unhindered view.



COMMERCIAL ZONE (USP)

The commercial zone appears as an open expanse, enabling everyone to participate in its vivid presence and promoting a harmonic relationship between architecture and public participation.





Vehicular Circulation

Crafted with precision, the vehicular circulation unveils a thoughtful gradient of 1:10, ensuring a seamless journey through the hillside abode. Each road gracefully extends to every housing unit, fostering robust connectivity. Additionally, a dedicated road to the commercial zone not only keeps away the non resident people but also elevates the unique selling proposition (USP) of this architectural endeavor.



Built Up

- | | | |
|----------------|----------------|-----------------------|
| 1) VILLAS: | 3) TYPOLOGY B: | 5) CLUBHOUSE AND HALL |
| • 10 -3BHK | • 13 -1BHK | |
| • 9 -2BHK | • 36 -2BHK | 6) COMMERCIAL ZONE |
| | • 12 -3BHK | |
| 2) TYPOLOGY A: | 4) TYPOLOGY C: | 7) SERVICES |
| • 8 -1BHK | • 32 -1BHK | |
| • 16 -2BHK | • 16 -2BHK | |
| • 8 -3BHK | | |



Pedestrian Pathways

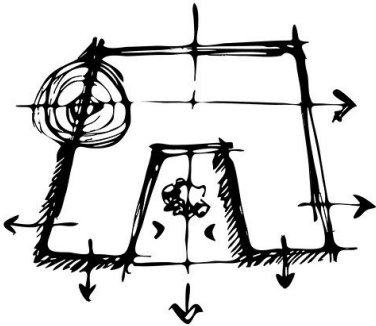
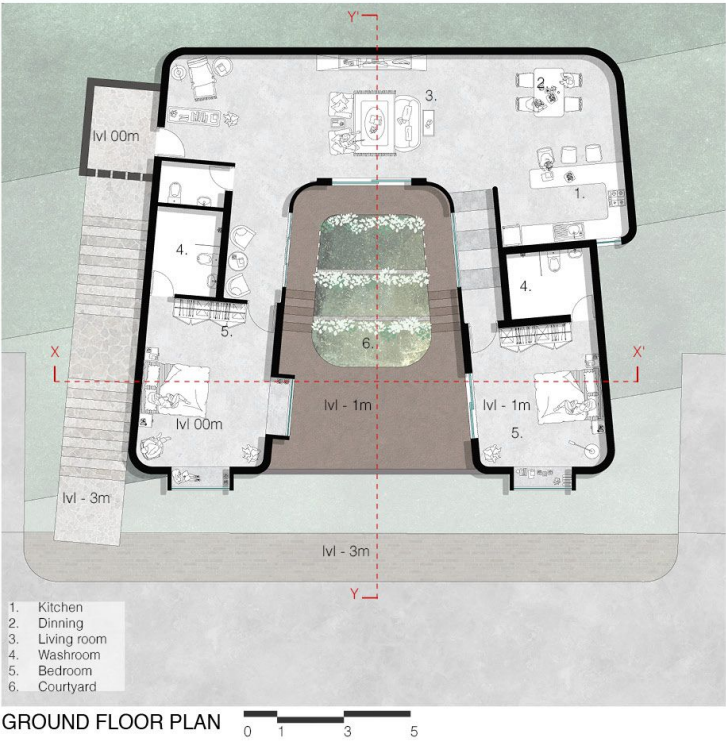
The whole site is connected through pedestrian pathways which allows the user to walk freely and gives better chances to explore the panoramic views.



Green Spaces

45% of the site is covered in green spaces including the internal open green spaces which gives enough spaces for people to refresh and for the kids to play.

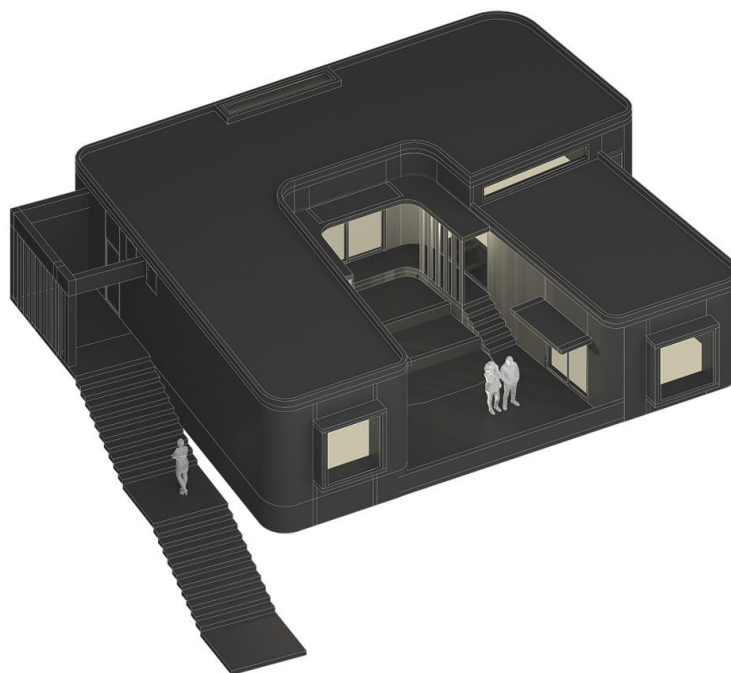
2 BHK VILLA



Each space has its own curated view, framed by bay windows that dance with light, while the internal courtyard whispers secrets of communal unity, where structure and nature waltz in harmonious embrace.



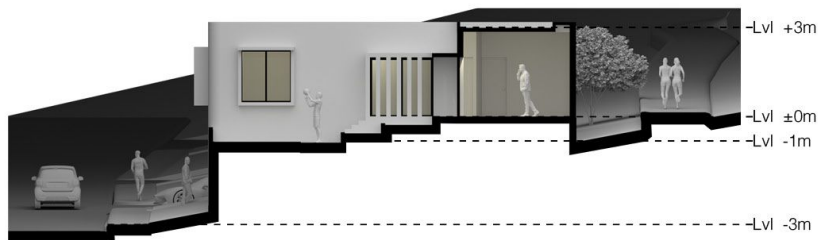
View of the villa



AXONOMETRIC VIEW

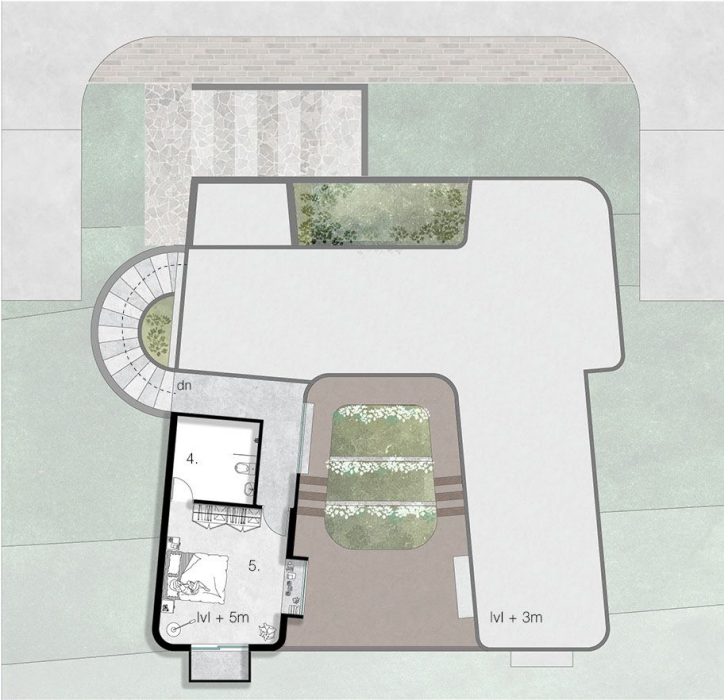
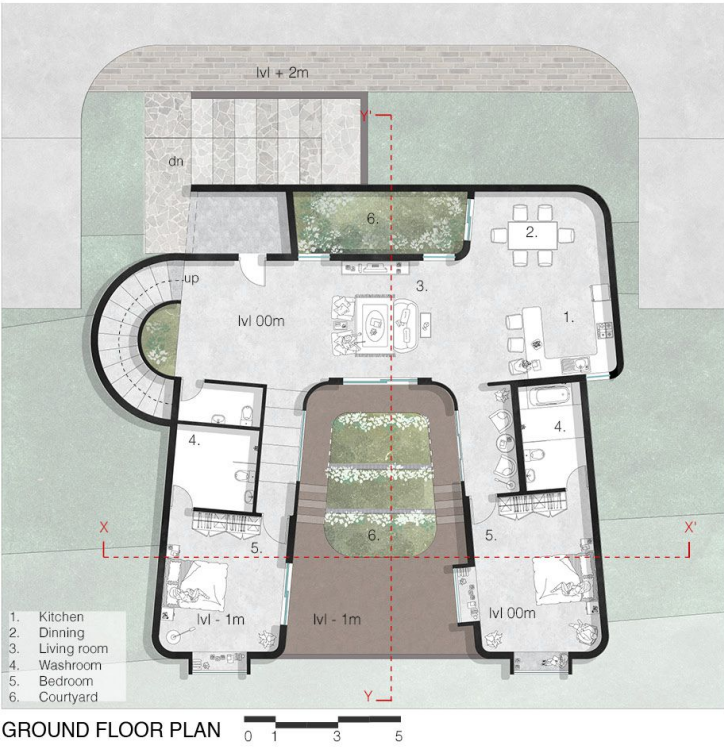


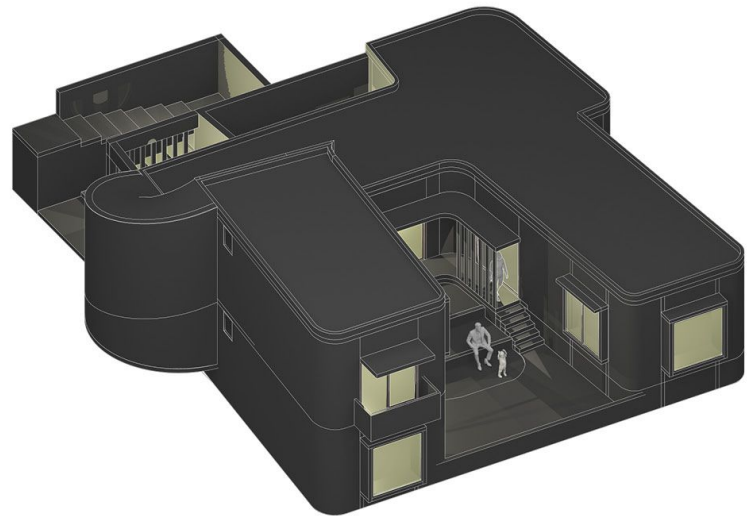
SECTION X-X'



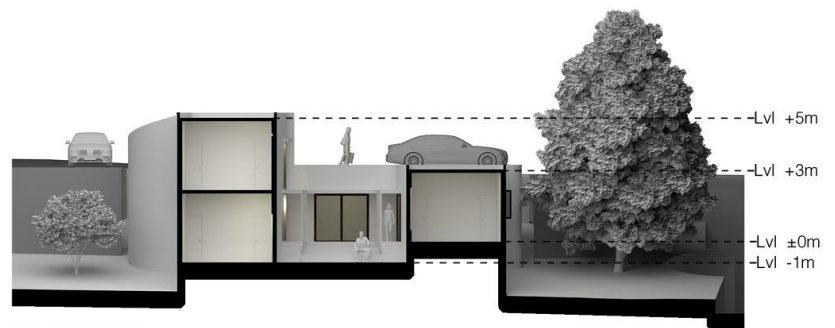
SECTION Y-Y'

3 BHK VILLA

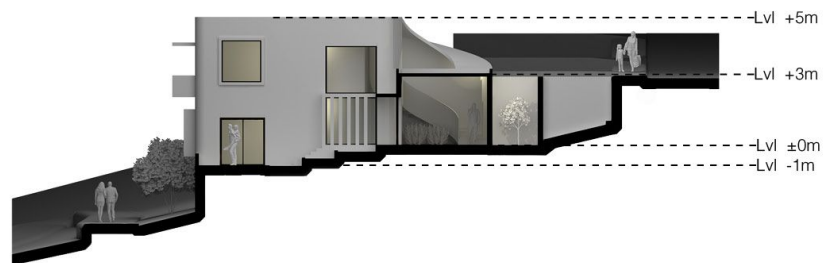




AXONOMETRIC VIEW

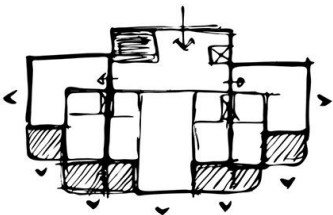
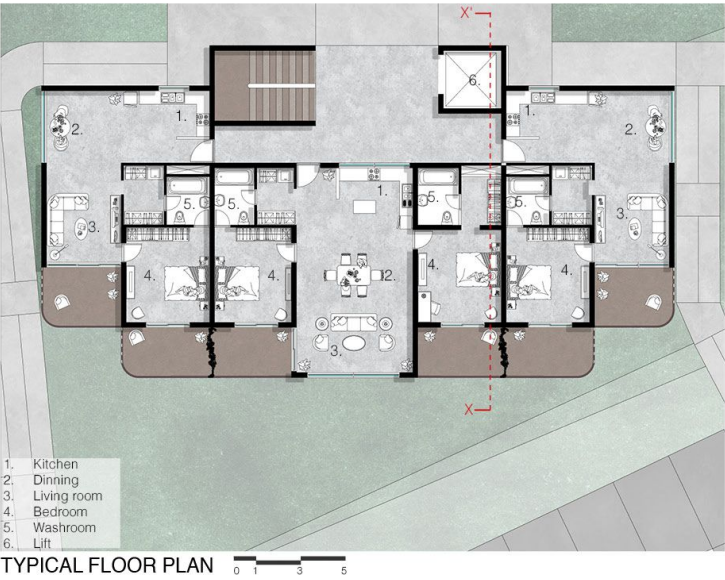


SECTION X-X'

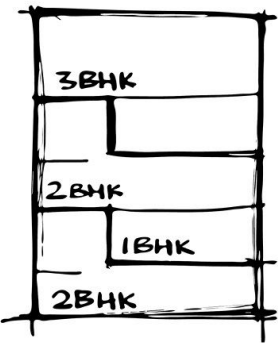


SECTION Y-Y'

TPOLOGY 1



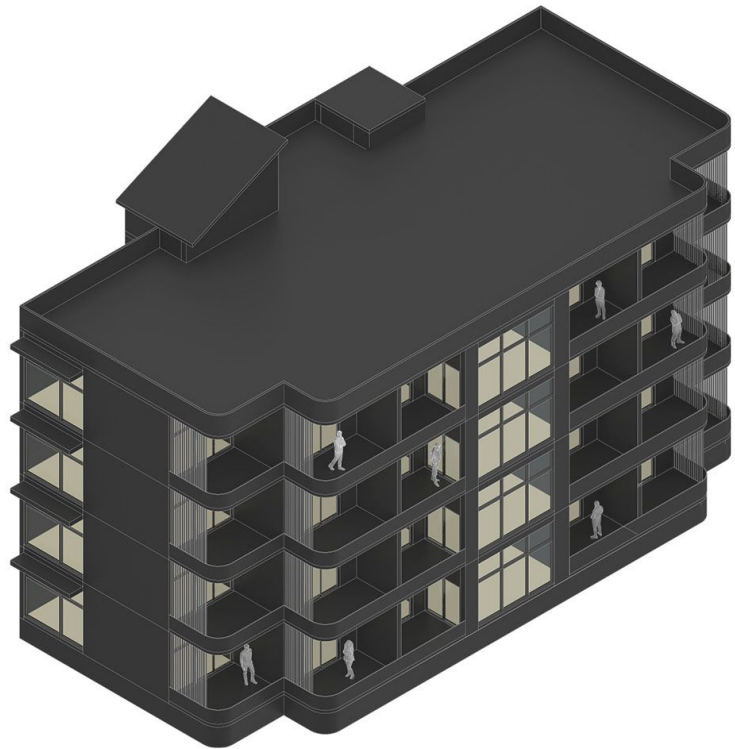
It shows balconies connecting each room for a view-filled melody. Spaces on the outside enjoy sunlight, blending seamlessly with the scenic surroundings.



This illustration of typology 2 shows the conceptual section, a visual harmony shaping spaces to embrace enchanting views.



View of the housing typology

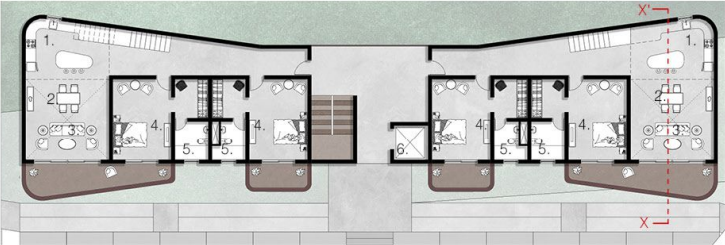


AXONOMETRIC VIEW

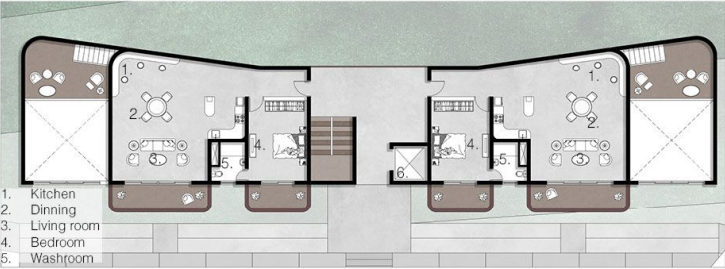


SECTION X-X'

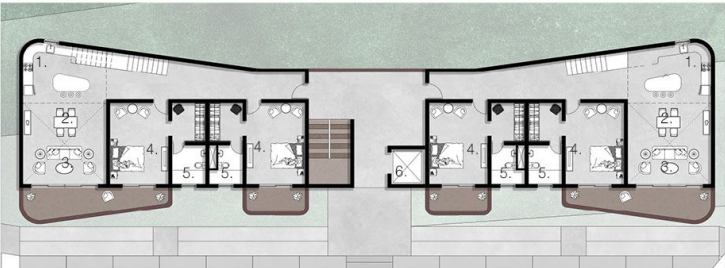
TPOLOGY 2



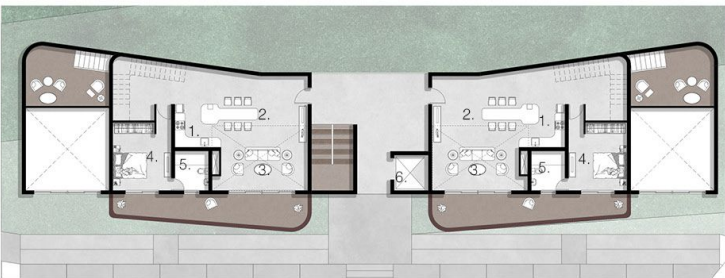
GROUND FLOOR PLAN 0 1 3 5



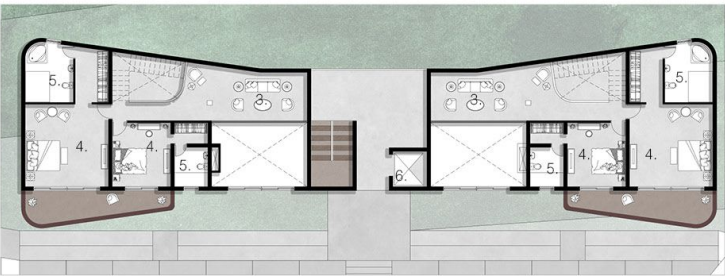
FIRST FLOOR PLAN



SECOND FLOOR PLAN



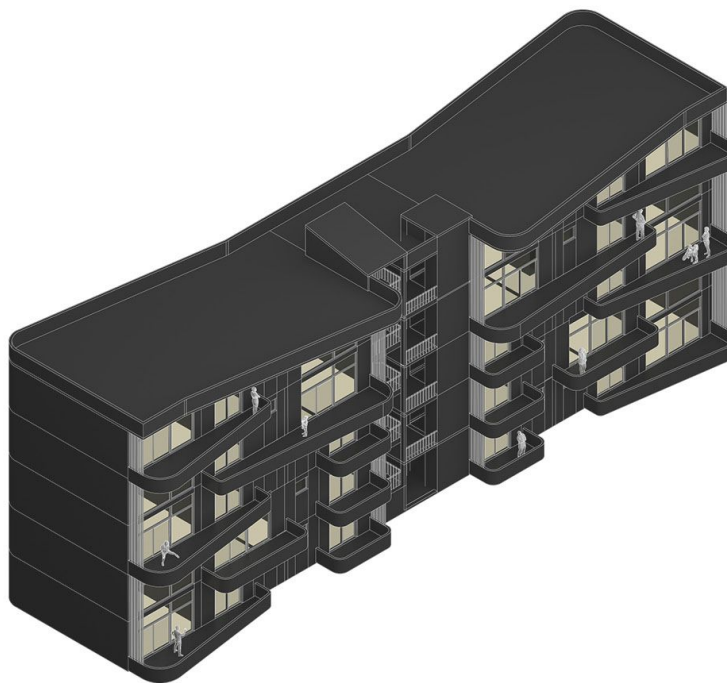
THIRD FLOOR PLAN



FOURTH FLOOR PLAN



View of the housing showing interactive balconies

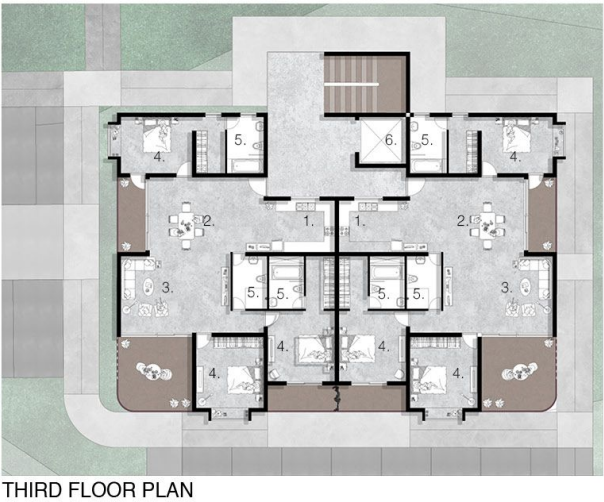
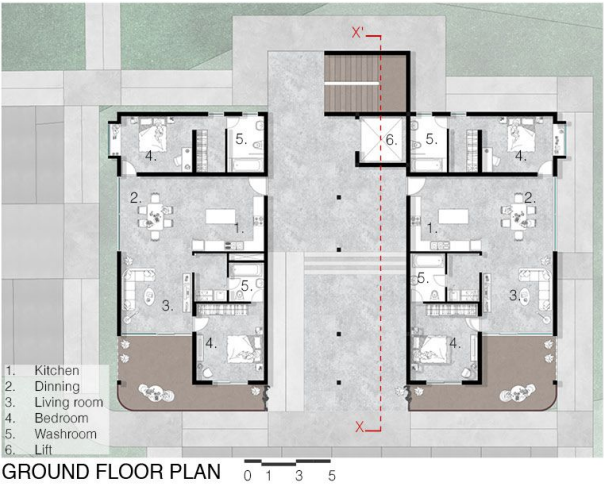


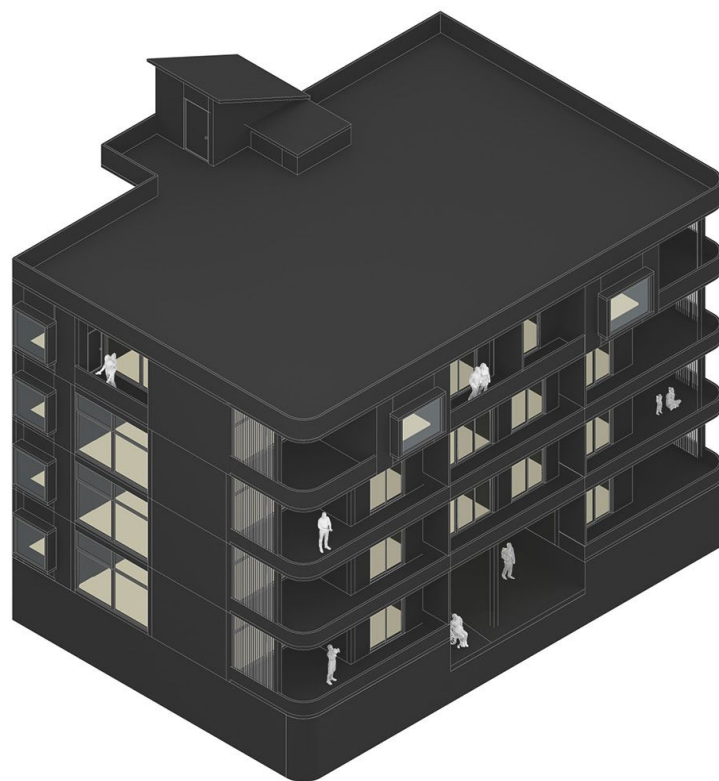
AXONOMETRIC VIEW



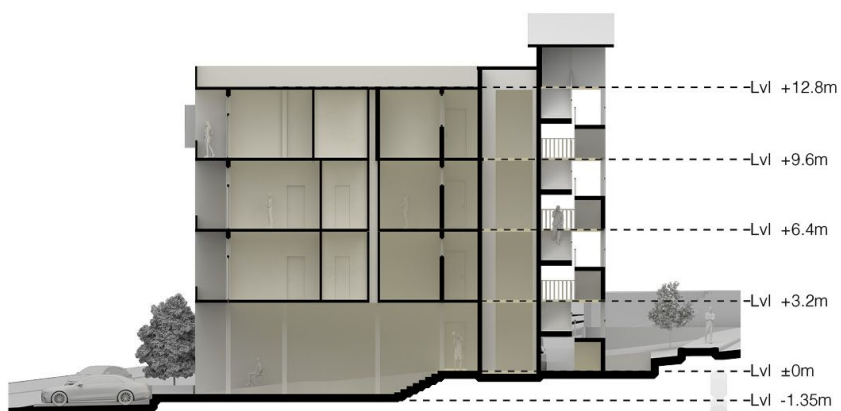
SECTION XX'

TYPOLOGY 3





AXONOMETRIC VIEW



SECTION X-X'





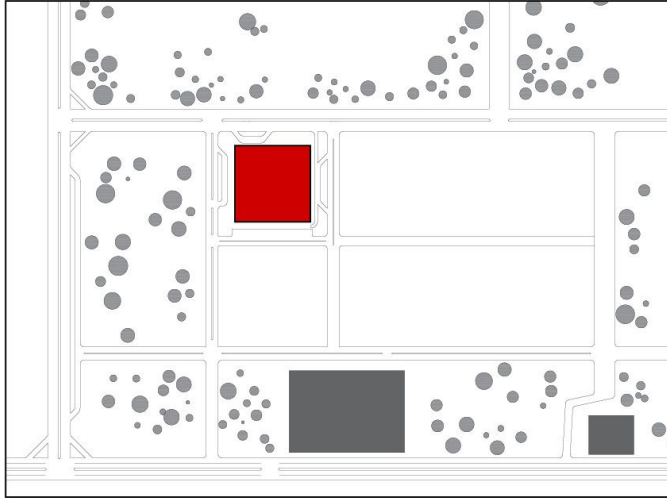


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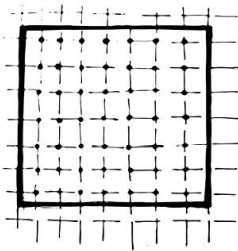
Khudda Lahora, Chandigarh, India
30°47'9.46"N, 76°45'45.31"E

ILLUMINA LIFE HOSPITAL

PERIOD - Semester - 7 [Oct 2023]
PROJECT - Studio (Duo - Aniket)
SOFTWARE - AutoCAD, Rhino, Revit, Vray
Illustrator, Photoshop, D5.

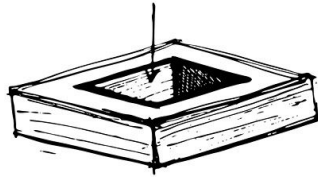
This Hospital stands as a beacon of minimalist design principles fused with a holistic approach to healthcare. Its central courtyard floods the interior with natural light, fostering a serene atmosphere conducive to healing. Exterior landscaping seamlessly integrates the structure with its surroundings, while every room benefits from ample light and captivating views. With intuitive navigation and a commitment to functionality, the hospital exemplifies the transformative power of architecture, offering not just medical care but a sanctuary of hope and well-being.

CONCEPT



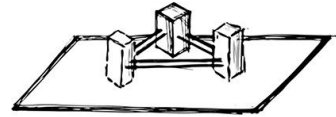
SETTING OUT THE GRID

Dividing the whole site in a structured grid. The grid's adaptable nature accommodates future expansion and evolution while promoting efficient circulation through well-designed pathways.



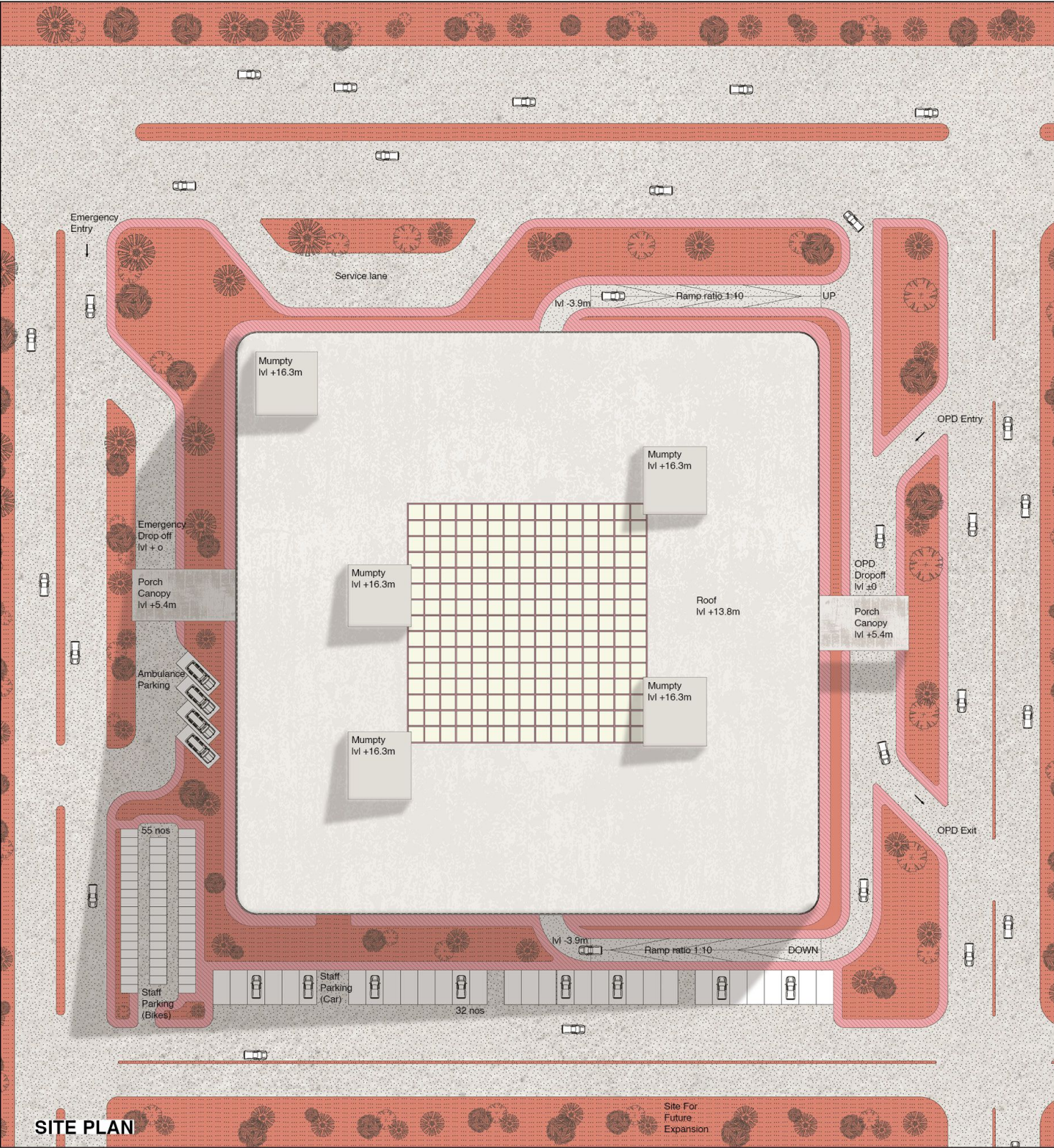
INTEGRATED COURTYARD

Within this structured grid, varied blocks emerge as dynamic components, each uniquely placed to optimize function, aesthetics, and connectivity.



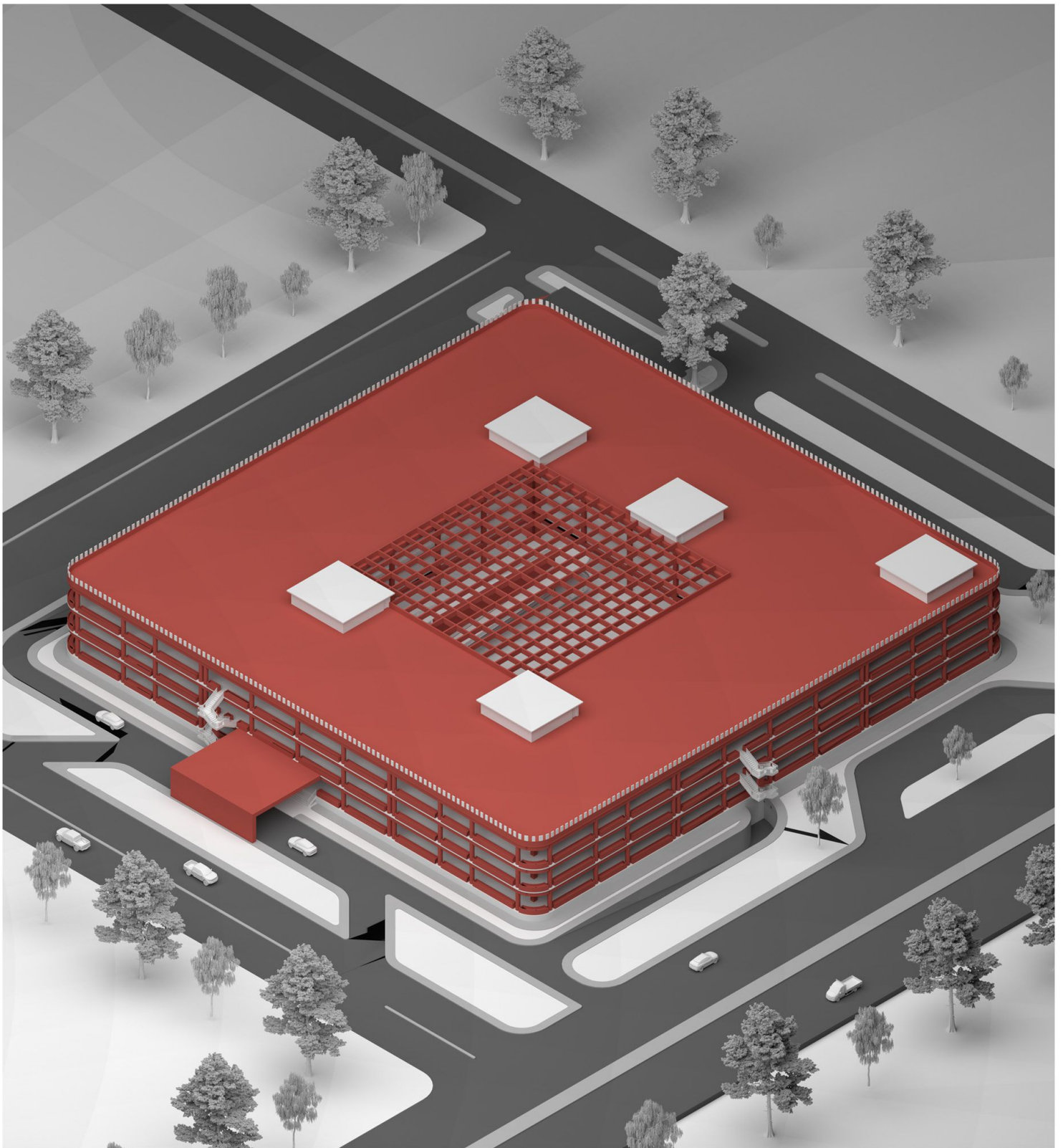
FUTURE EXPANSION

Integrating umbrella structures within the designated blocks of the grid plan serves multifaceted purposes, primarily offering effective shading solutions in gathering spots while adding architectural character.



SITE PLAN





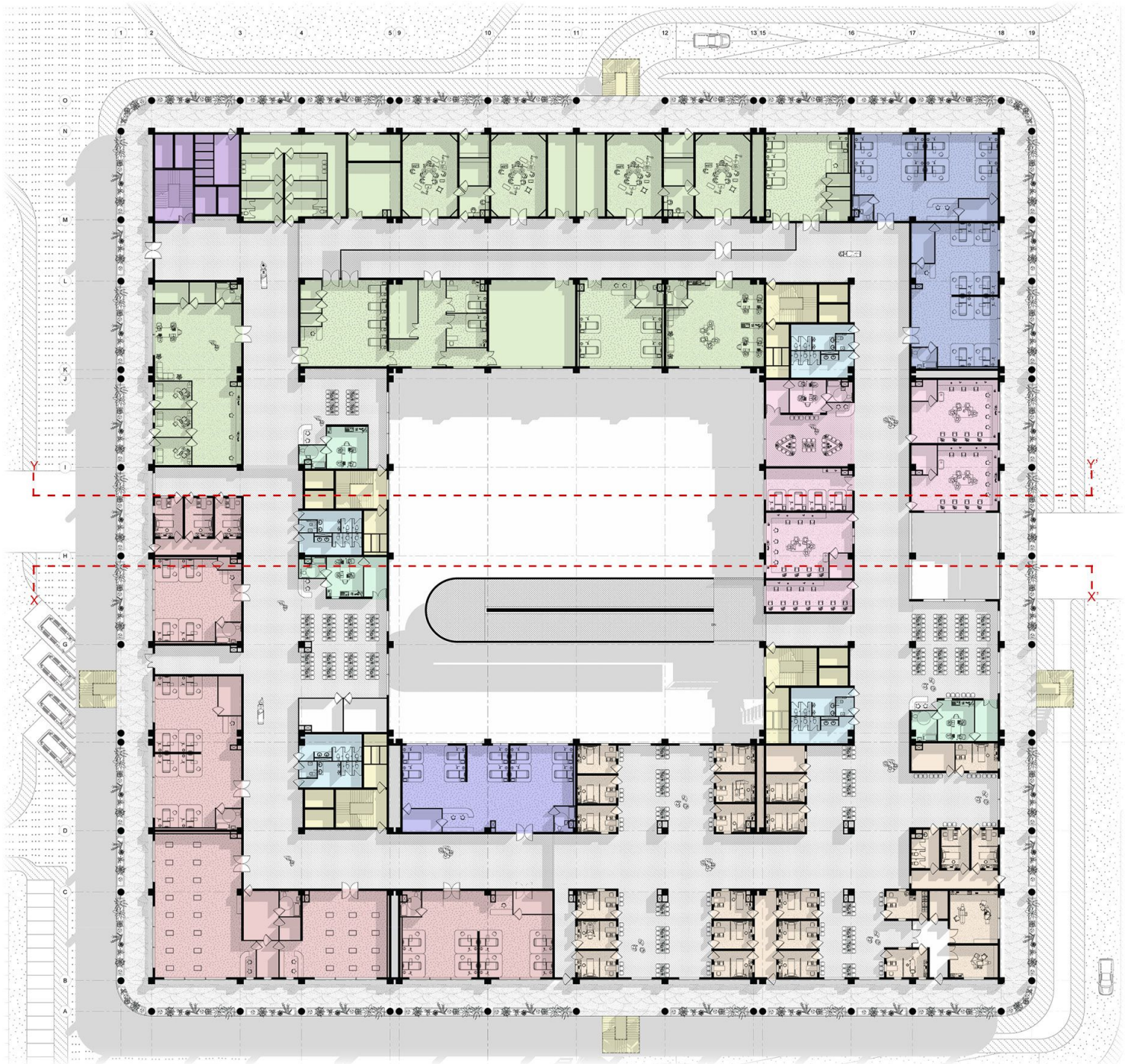
AXONOMETRIC VIEW



GROUND FLOOR PLAN



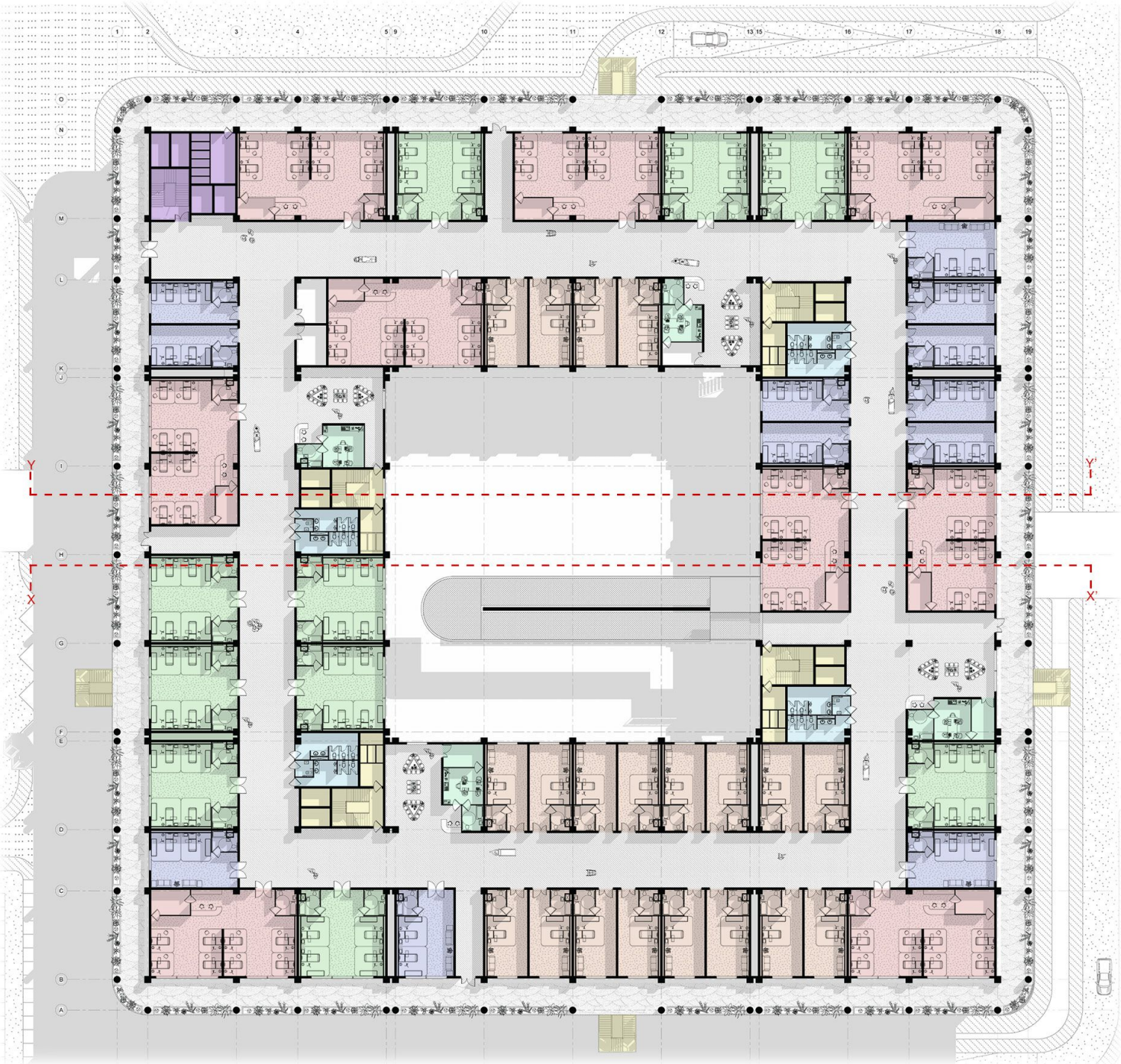
- OPD
- Admin
- Cafe
- Emergency
- Diagnostics
- Vehicle circulation
- Washroom
- N. Station
- Service core



FIRST FLOOR PLAN



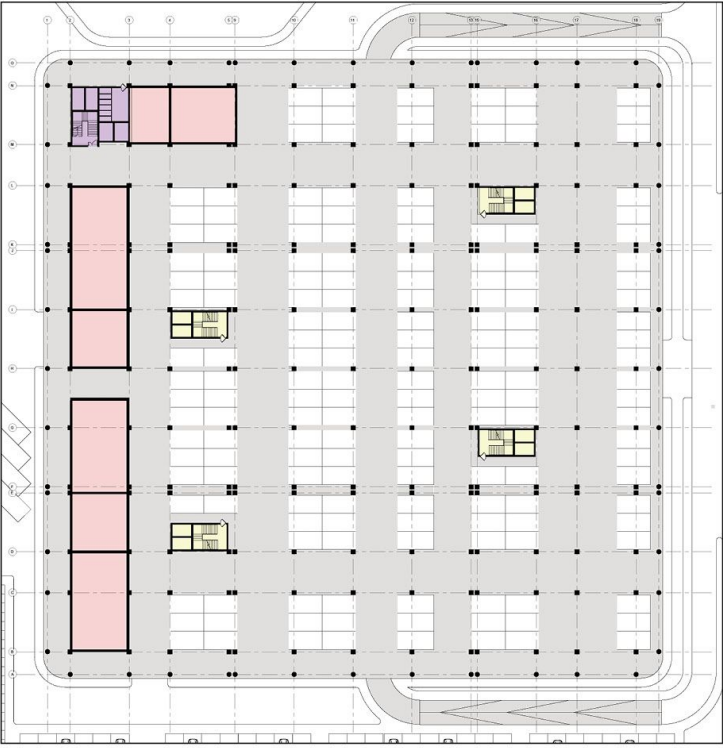
- OPD
- OT Complex
- ICU
- Maternity
- Diagnostics
- Vehicle circulation
- Washroom
- N. Station
- Service core



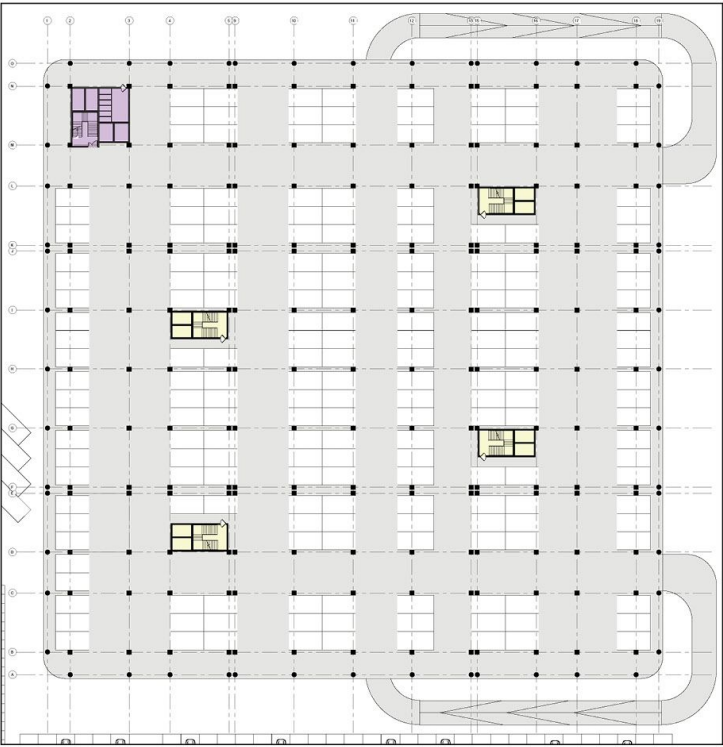
GROUND FLOOR PLAN



- General ward 4 Bedded ward 2 Bedded ward Single bedded ward Vehicle circulation Washroom N. Station Service core



BASEMENT PLAN 1 Services Service core Vehicle circulation



BASEMENT PLAN 2 Service core Vehicle circulation



View of Courtyard



View from Ramp



SECTION X-X'

General ward 4 Bedded ward N. Station Admin Basement 1 Basement 2



SECTION Y-Y'

General ward Vehicle circulation Diagnostics Basement 1 Basement 2



Basement 2



nt 2

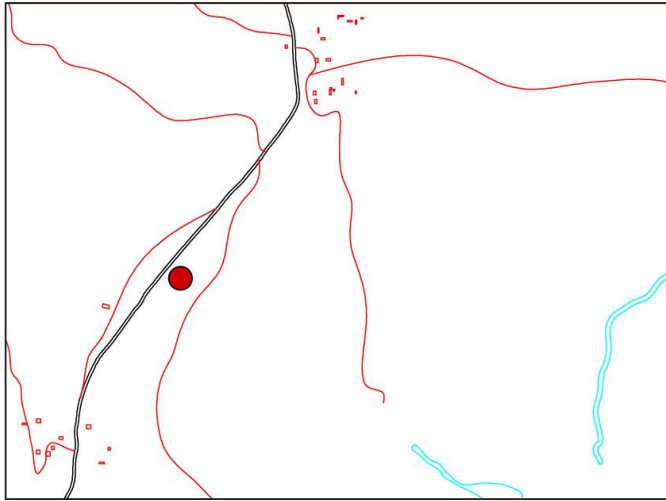


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Mbollo, Senegal, Africa
13°56'08"N, 15°32'29"W

ADVANCED NYUMBANI

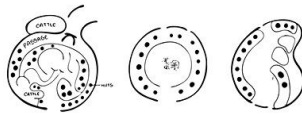
GGW (Great Green Wall)

PERIOD - Semester - 7 [Oct 2023]
PROJECT - Competition (Group - Anchal, Sonia)
SOFTWARE - AutoCAD, Rhino, Photoshop
 Vray, Lumion, InDesign

In the heart of Africa's Great Green Wall, a symbol of resilience emerges from the arid landscape, a vernacular dwelling that represents the enduring spirit of communities united together against the advancing desert. Nestled within swathes of vibrant vegetation, this simple dwelling shows its occupants originality and adaptability in the face of environmental challenges.

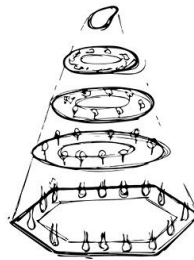
The main aim of the project is to create a space which preserves the tradition while keeping it modern.

CONCEPT



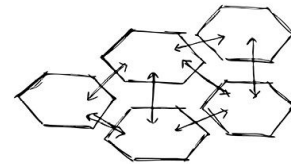
PLANNING

The planning of the whole dwelling resembles the homes they've been living in their entire life. The round huts, curvilinear structures and introverted planning which includes their animals as well.



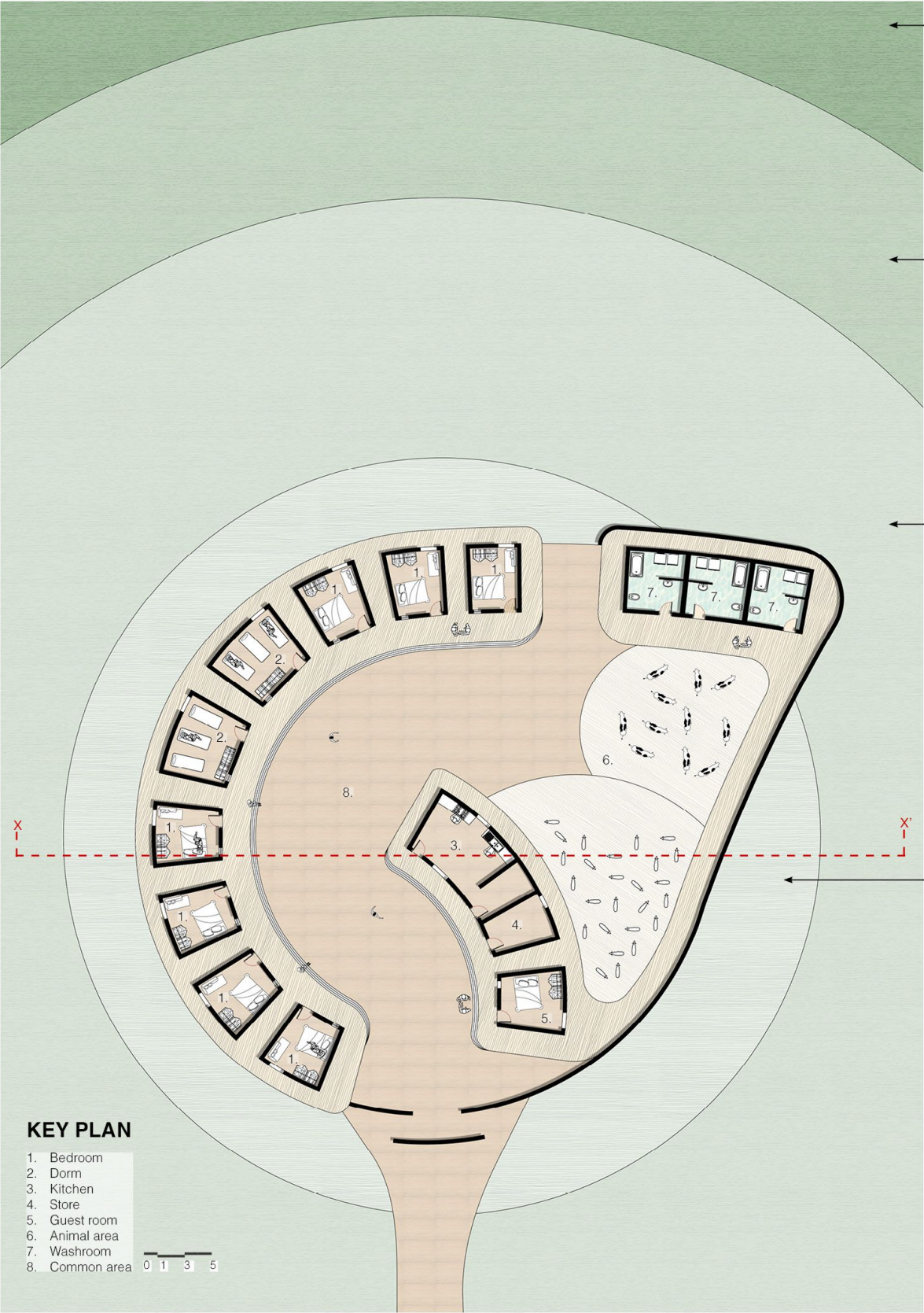
PLANTATION

A system of plantation is being followed around the dwelling in concentric way. The plantation around it helps to keep the environment healthy, generate income and helps in the development of great green wall.



CLUSTER FORMATION

Future expansion of the cluster can be easily incorporated due to the flexible shape. The cluster of dwellings is interconnected to maximize interaction.



4th Zone

- Native trees like Baobab tree.
- Keeps the environment fresh and cooler.
- Along with the pathways to shade them.
- To generate income.

3rd Zone

- Commercial plants and trees like citrus trees.
- To generate income.

2nd Zone

- Native crops.
- Zai pits and Agroforestry.
- Maintains the fertility of land.
- Helps them to meet their food consumption.

1st Zone

- Native medicine plants.
- Keeps the environment fresh and cooler.
- Health benefits for the people as well.

KEY PLAN

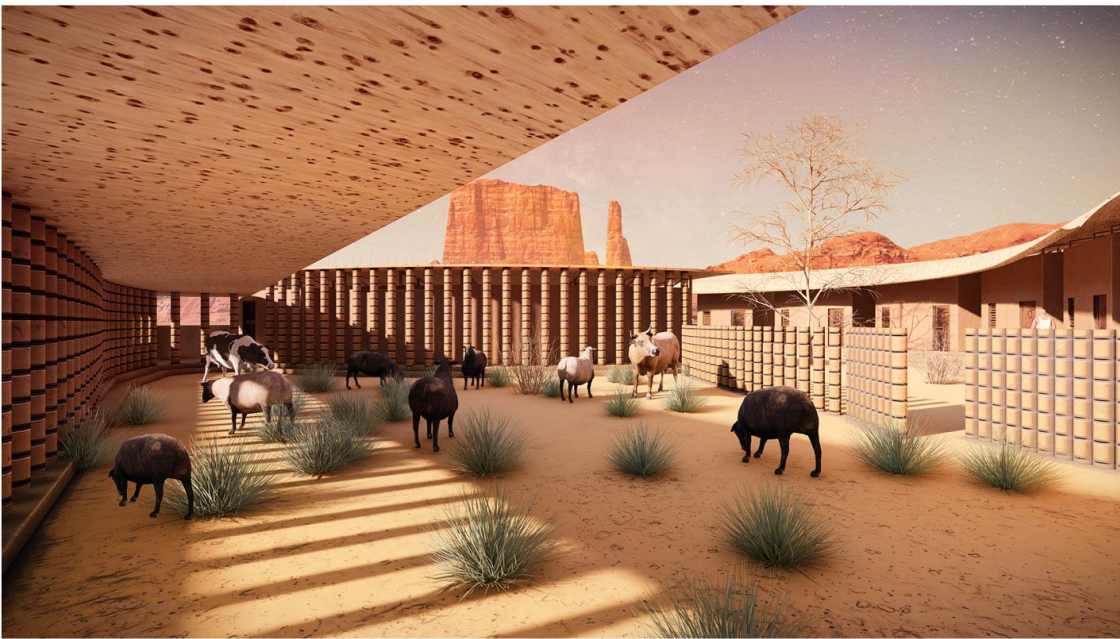
- 1. Bedroom
- 2. Dorm
- 3. Kitchen
- 4. Store
- 5. Guest room
- 6. Animal area
- 7. Washroom
- 8. Common area



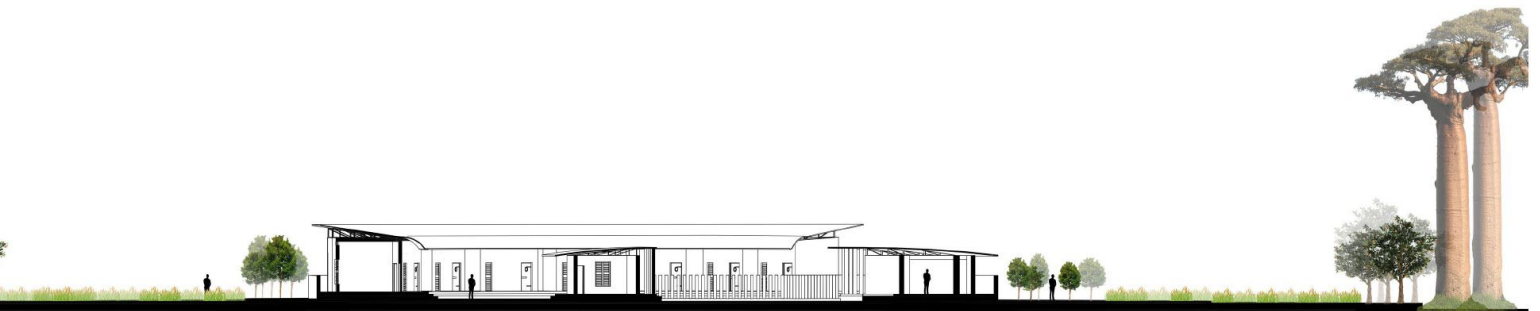
SECTION XX'

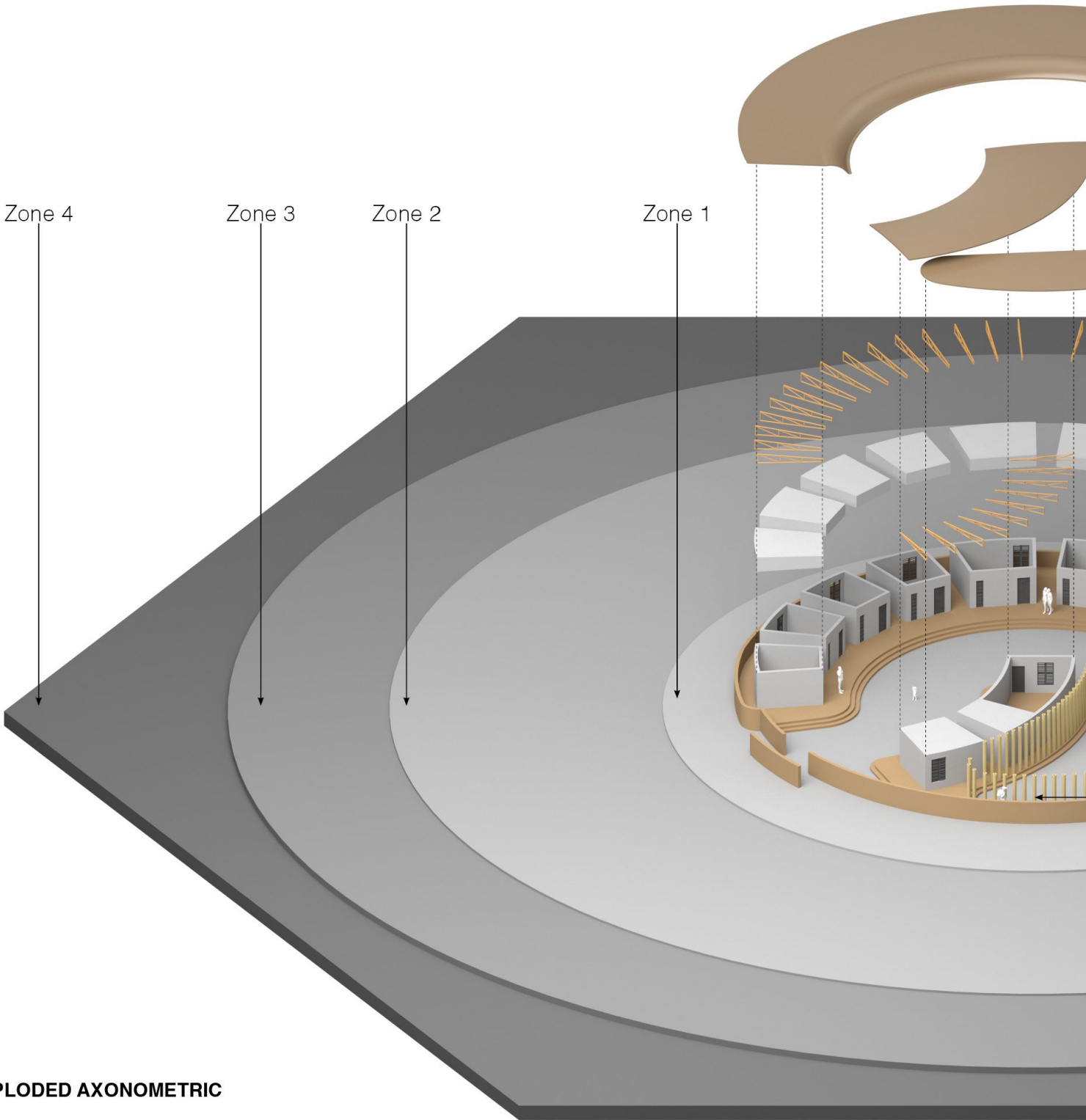


The central part forms the courtyard with common kitchen in between which will be the main interactive zone. Open seating is provided in that zone as well.

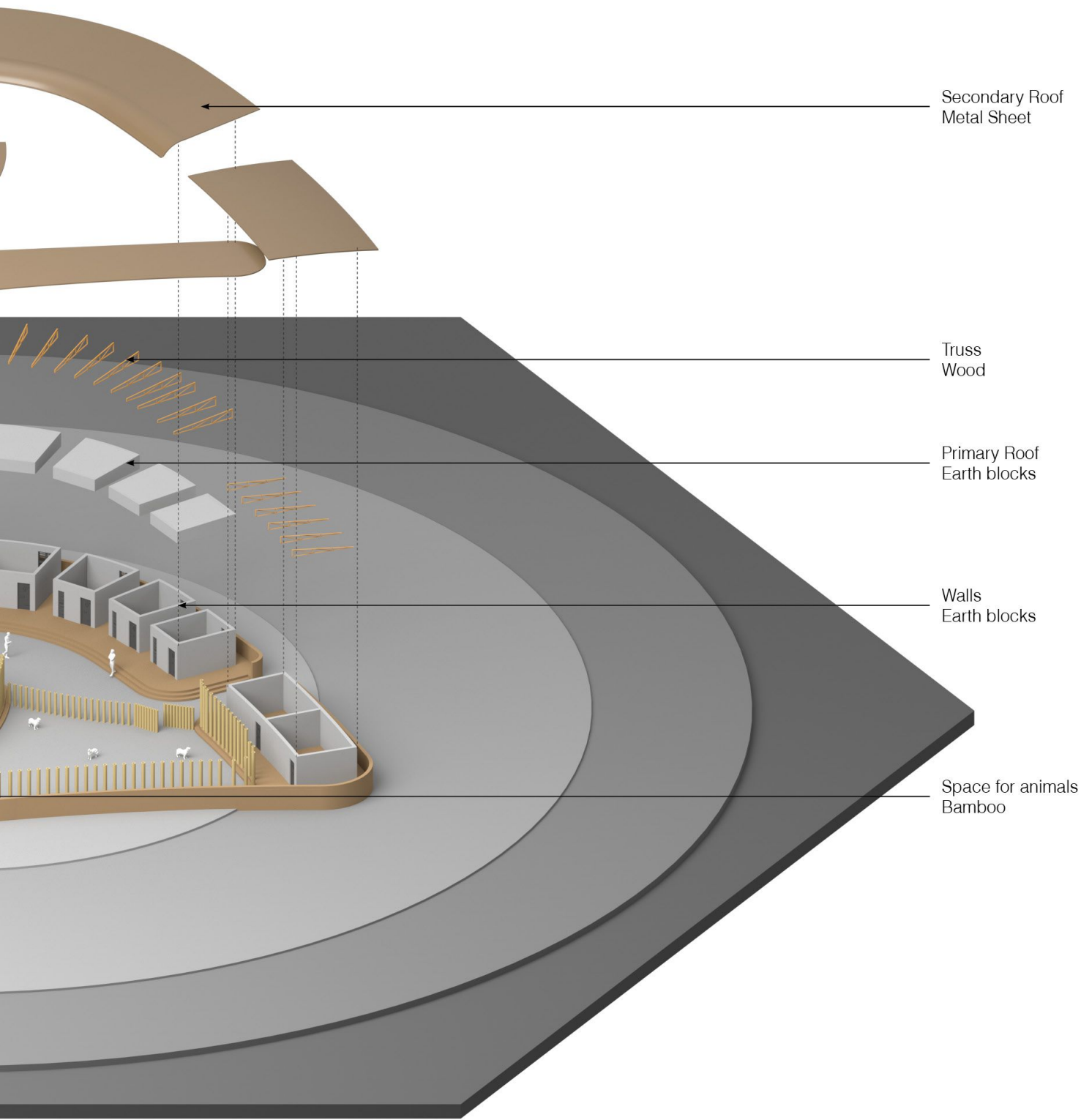


Inside the walls of the vernacular dwelling, a designated area offers a house for animals where humans and animals can coexist together.





EXPLODED AXONOMETRIC





MISCELLANEOUS

1. TOTE DESIGN

2. CAP DESIGN

3. ICONIC WEEK

4. MURAL

5. DOCUMENTATION

6. PHOTOGRAPHY

7. PHOTOGRAPHY B&W

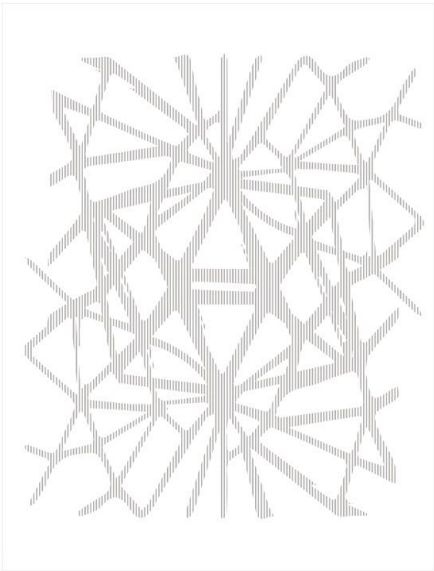
8. DRAWINGS

01. TOTE DESIGN

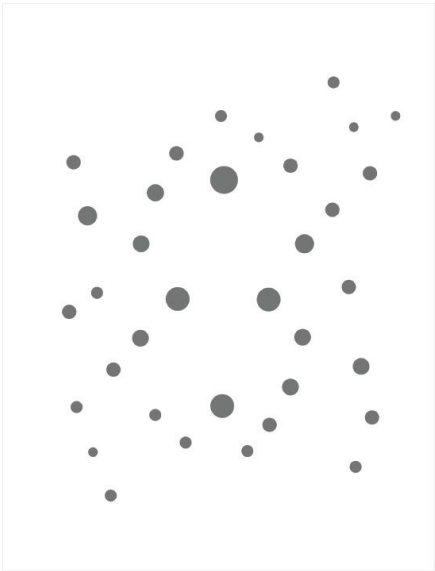


CARRYALL

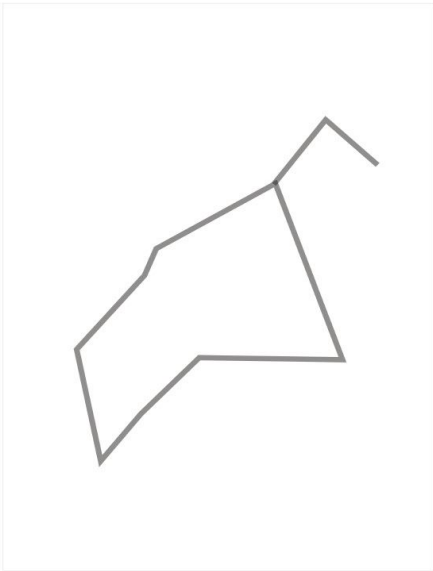
At our college, each house was assigned to create an abstract tote bag that embodied their house's **emotions**. The objective was to add a unique hidden element for each house. All while using only the front of the tote. This project allowed us to express our creativity and highlight the essence of our house using a limited canvas. The totes visually represented our house's identity, revealing its hidden essence for everyone to find.



Galaxy



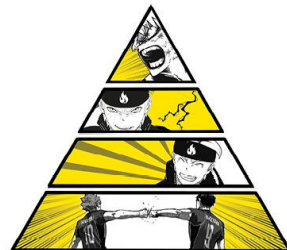
Stars



Constellation

Incorporating our vision and spirit, the universe lattice forms an abstract representation of **Mauraya's** meeting place; the geodesic dome. The literal connecting nodes in the geodesic dome that joins the triangles of the dome are thought of as the stars of Mauryan house, the constantly shining and rising individuals. Nonetheless, one can ponder how the concept relates to the Mauryan's. Well the treasure hunt we have set up is our hidden feature which is the incredibly disorganised group of stars not only shapes a triangle but also the potent constellation Leo. The Nemean lion which represents our family's characteristics, the ability, pride and mindset required to win and conquer.

02. CAP DESIGN



UNITY CAP

In college, we were assigned the exciting responsibility of designing caps for each house, including our own, **Maurya**. To represent each of the college's four houses, we designed a graphic for the front of the cap that reflects their distinct attitude and air. We also had the option to include the house colour on the cap flap.



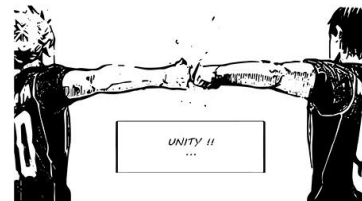
Wrath embodies the unstoppable force within the Maurya house, driving them to overcome challenges with unwavering determination and resilience. It serves as a reminder of the strength that lies within unity and collective resolve, inspiring wearers to channel their inner fire to achieve their goals and conquer any obstacles that stand in their way.



Passion serves as a powerful reminder of the love and dedication that unites individuals, inspiring wearers to pursue their dreams with zeal and unwavering enthusiasm. It embodies the essence of fervent ambition and unwavering dedication, driving individuals to pursue their goals with unrelenting passion and determination.



Cheerfulness serves as a beacon of light, spreading warmth and happiness wherever it goes. It reminds wearers to embrace life with a smile, to find joy in every moment, and to uplift others with their contagious enthusiasm. This cap embodies the vibrant energy and zest for life that defines the Maurya house, inspiring unity and spreading happiness wherever it is worn.

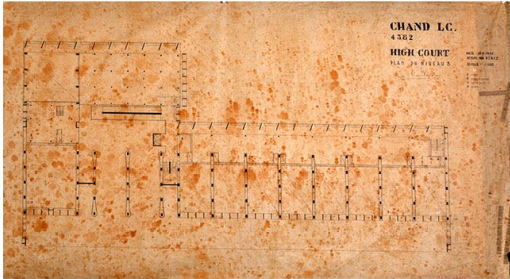
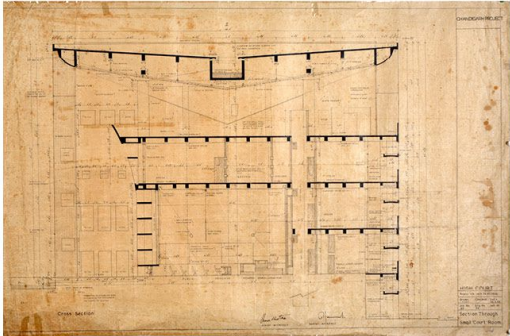


Unity serves as a reminder of the importance of standing together, supporting one another, and embracing diversity. It inspires wearers to celebrate their differences, to find strength in unity, and to work towards common goals with mutual respect and cooperation. This cap symbolizes the inherent power of unity to overcome challenges, achieve greatness, and create positive change in the world.

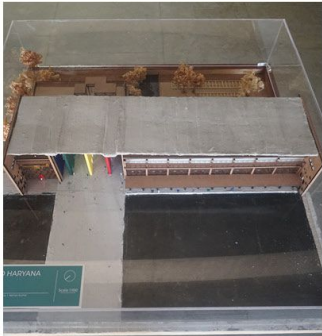
03. ICONIC WEEK



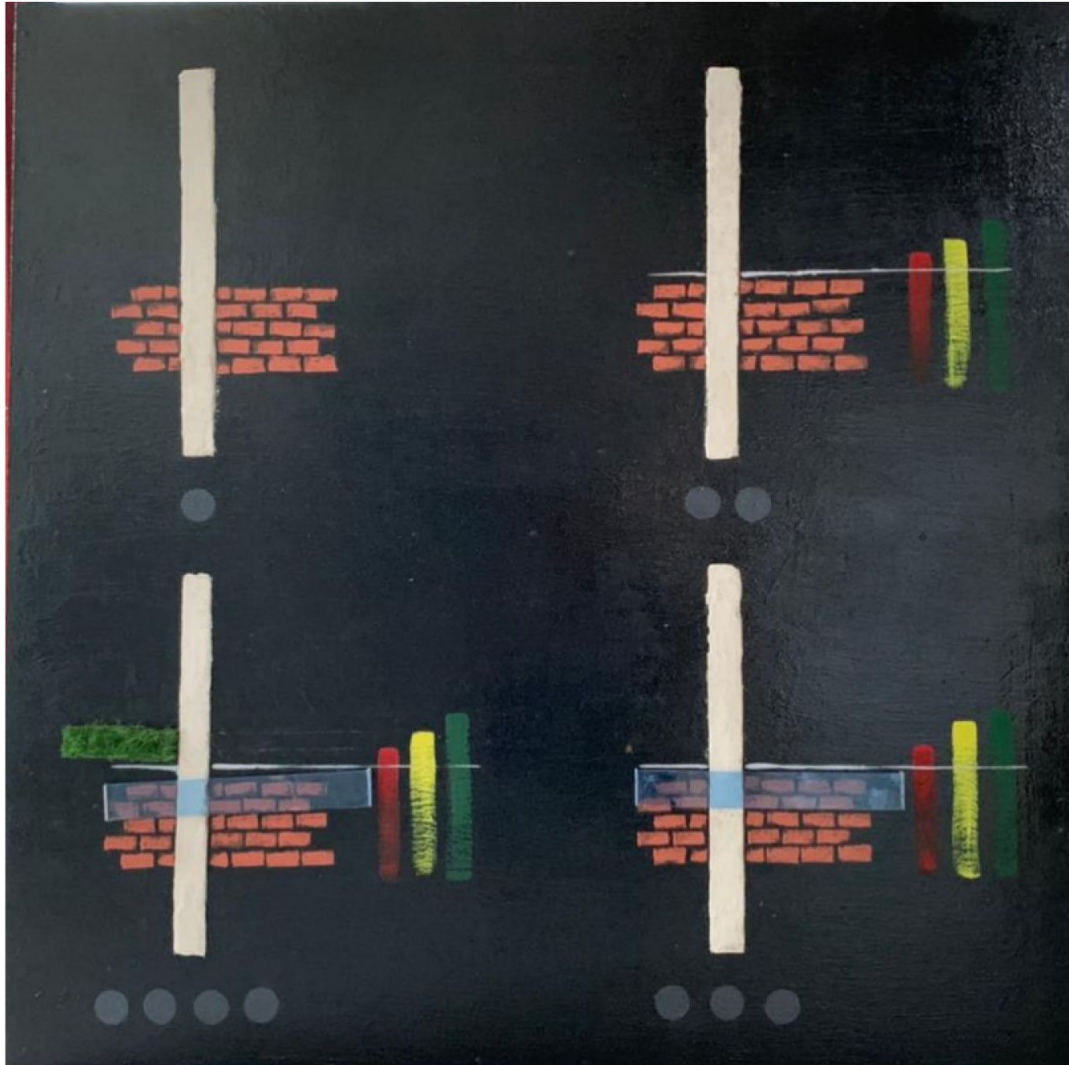
Azadi ka Amrit Mahaotsav celebrated pan India with various activities and exhibits being set up to commemorate 75 golden years of Indian independence. As an architecture student, it was my honour to be able to contribute to the same by participating in the team for a 70 model exhibition that the students of CCA put up, putting in 6 months of hard work proudly showcasing the rich architectural language that the city Chandigarh has being an exemplary case of Modernism.



Documents of Punjab and Haryana High Court, Chandigarh



04. MURAL



This mural is a celebration of the visionary architect Le Corbusier and his enduring influence on modern architecture. Inspired by his five points of architecture, the mural captures the essence of his design philosophy, which emphasized functionality, open space, and connection with nature.

Le Corbusier's Five Points of Architecture:

Pilotis: Represented by the slender columns supporting the structure, allowing for open space and a connection between the building and its surroundings.

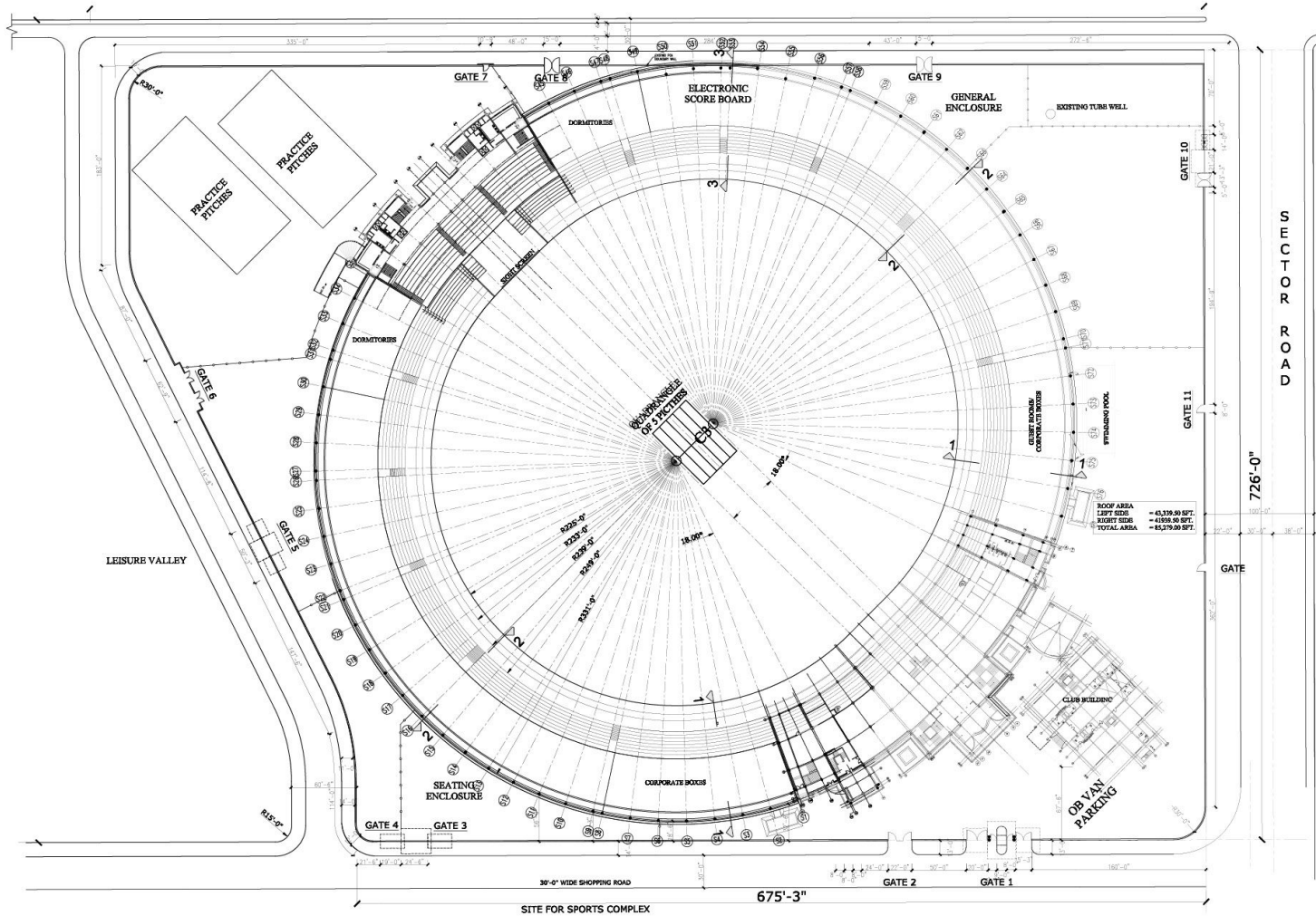
Free Plan: Reflected in the open layout, which is not restricted by load-bearing walls, allowing for flexible use of space.

Free Façade: Demonstrated in the separation of the facade from the structural support, enabling greater design freedom and the use of large windows.

Horizontal Window: Shown by the ribbon windows that run along the facade, providing ample natural light and a sense of connection to the outdoors.

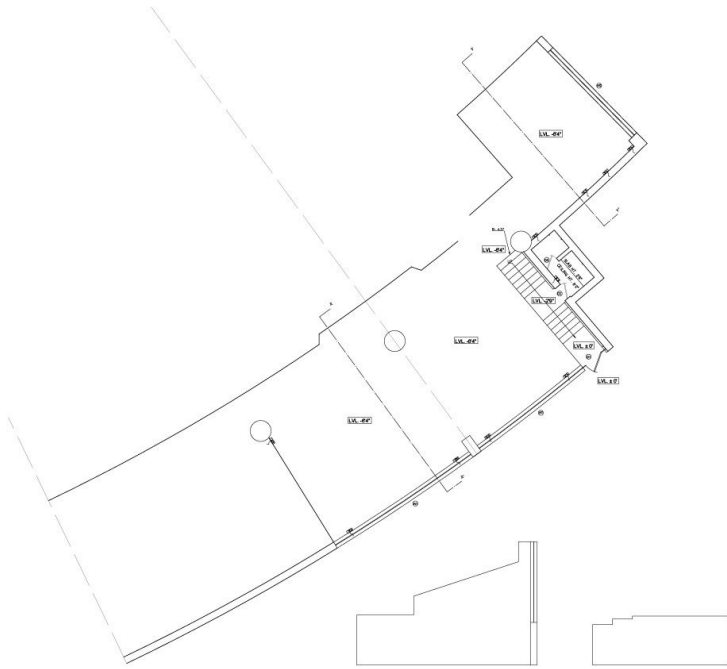
Roof Garden: Symbolized by the rooftop greenery, creating a usable outdoor space and reconnecting the building with nature.

05. DOCUMENTATION



PCA Stadium, Mohali, Punjab, India

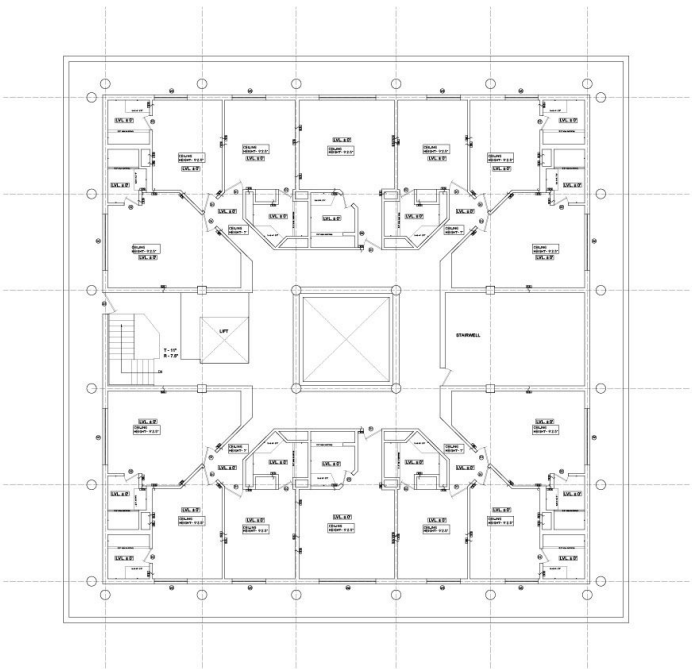




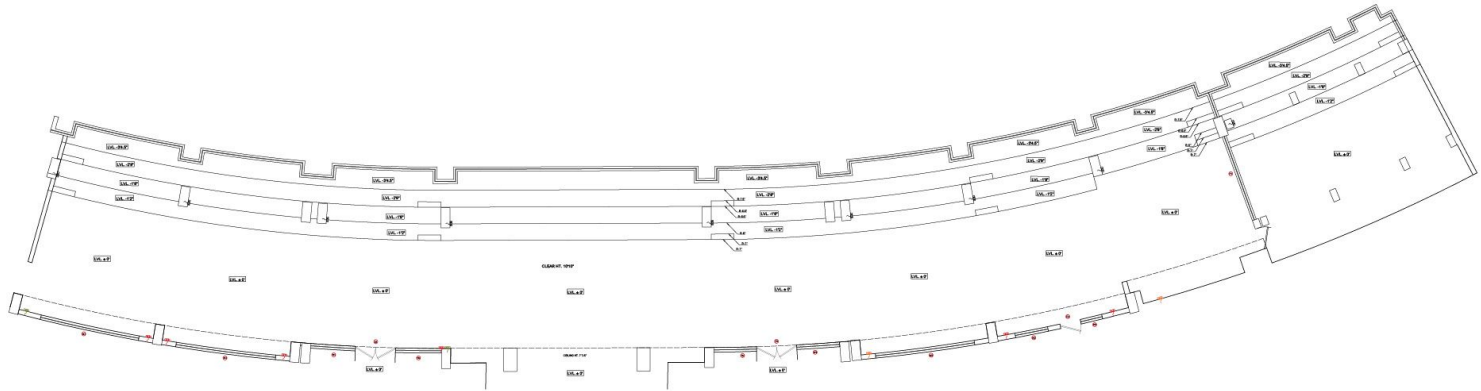
Club members gymnasium plan

Section XX'

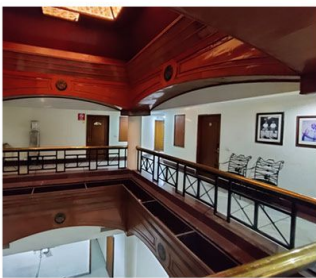
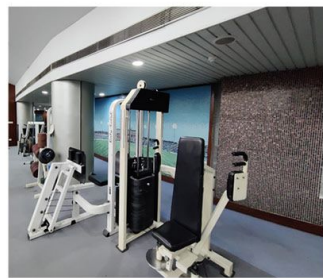
Section YY'



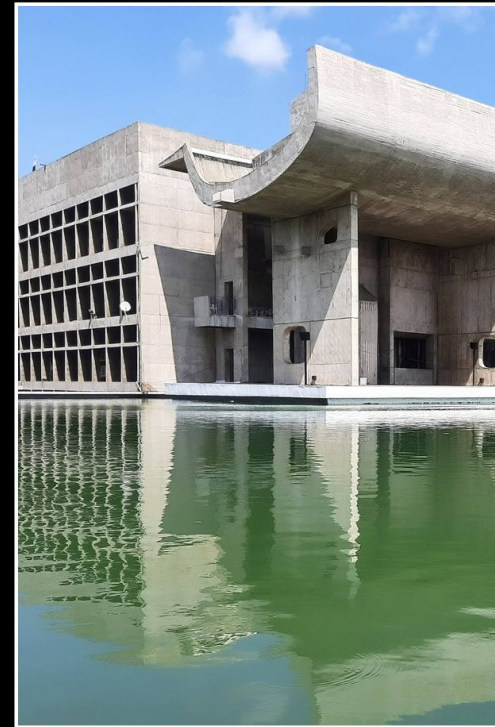
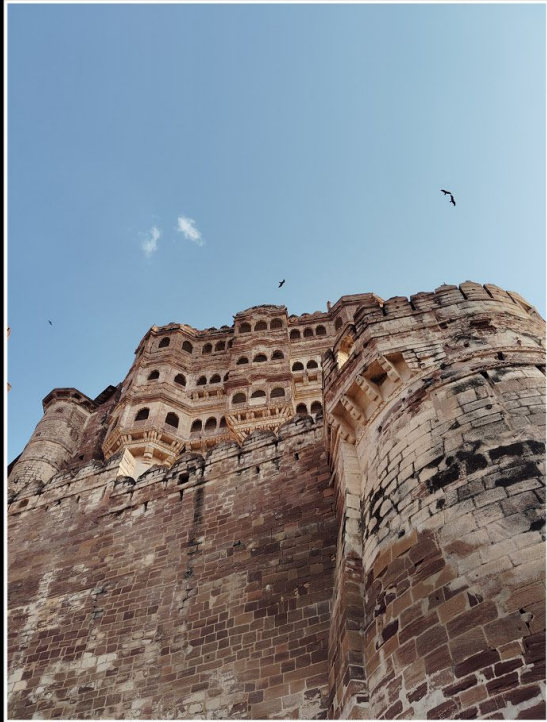
Guest house



VIP lounge

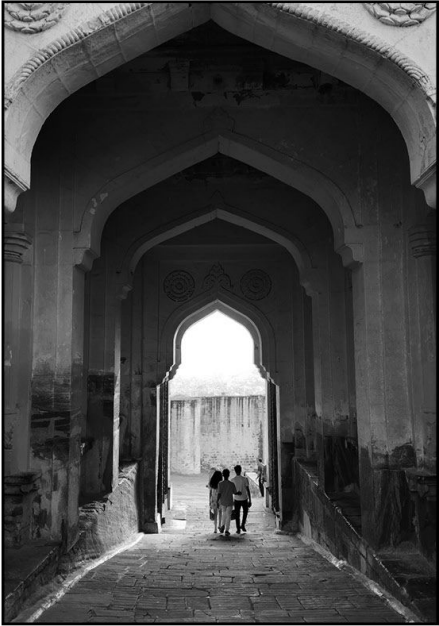


06. PHOTOGRAPHY





07. PHOTOGRAPHY B&W



08. ART WORKS



