

Architecture  
**PORTFOLIO**

NAMAN KUMAR \ 2020-2024 \

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||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

**21**  
Age

**Chandigarh, India**  
Current Location

**Male**  
Gender

**O+**  
Blood Group

**13/08/2002**  
Date of Birth

## EDUCATION

**2018 | High School**  
Kendriya Vidyalaya, Sector 47,  
Chandigarh  
10<sup>th</sup> grade | 86.4%

**2020 | Intermediate School**  
Kendriya Vidyalaya, Sector 47,  
Chandigarh  
12<sup>th</sup> grade | 82.6%

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

## STUDIO PROJECTS

### 1<sup>st</sup> year

Dec 2020-Aug 2021

**Security check-post design**  
(Individual)  
Chandigarh, India

### 2<sup>nd</sup> year

Sep 2021-Jul 2022

**Bus stop design**  
(Individual)  
Chandigarh, India

**Residence design**  
(Individual)  
Morjim beach, Goa, India

**Medical dispensary design**  
(Individual)  
Chandigarh, India

## 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

## COMPETITIONS

2021

### 120 Hours

(Group of 5)  
Brainstorming

### MiG Prize 2021

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

2023

### Jumpthegap

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

2022

### 120 Hours Mini

(Individual)  
Brainstorming

<b>Boys hostel</b> (Individual) Sector 12, Chandigarh, India	<b>3<sup>rd</sup> year</b> Aug 2022-Jun 2023	<b>Homestay design</b> (Individual) Kangra Valley, H.P, India	<b>4<sup>th</sup> year</b> Aug 2023-Present	<b>200-bedded hospital design</b> (Group of 2) Sarangpur, Chandigarh, India
<b>Motel design</b> (Group of 4) Karnal, Haryana, India		<b>Vernacular project</b> (Individual) Kangra Valley, H.P, India		<b>Exhibition pavillion design</b> (Individual) Jaipur, Rajasthan, India
<b>Residenstial school</b> (Individual) Sector 25, Chandigarh, India		<b>Hill housing</b> (Group of 3) Solan, H.P, India		
<b>Office Complex</b> (Group of 2) I.T. Park, Panchkula, Haryana		<b>Theatre design</b> (Individual) Sector 88, Mohali, Punjab, India		

## ADDITIONAL EXPERIENCES

<b>120 Hours</b> (Group of 5) Brainstorming	<b>Iconic week</b> Model making of iconic buildings of chandigarh Chandigarh college of Architecture	<b>ARCHO 23'</b> Installation design Merchandise design Flag design
<b>Great Green Wall</b> (Group of 3) Dwelling design for African Tribals Research and Vernacular design	<b>Wall mural</b> Mural design and execution Le corbusier's day Chandigarh college of Architecture	<b>Chandigarh Association for Students of Architecture (CASA)</b> Sports Captain // 2022-23 Chandigarh college of Architecture
<b>Kaira Looro</b> (Group of 3) Primary school design in Africa Vernacular design Grid Planning	<b>Stage deisgn</b> Convocation stage design and execution Le corbusier's day Chandigarh college of Architecture	<b>Documentation</b> Punjab Cricket Association Stadium Mohali, Punjab, India
<b>The CASA</b> (Group of 3) Luxurious house in Iceland	<b>ARCHO 22'</b> Installation design Merchandise design Flag design	<b>Thesis assistance</b> Ankit Biswal Chandigarh college of Architecture
	<b>Thesis assistance</b> Ar. Yogesh Kumar Chandigarh college of Architecture	<b>ARCHO 24'</b> Installation design Merchandise design Flag design
	<b>Part time internship</b> At Architecture Anew For 4 months	

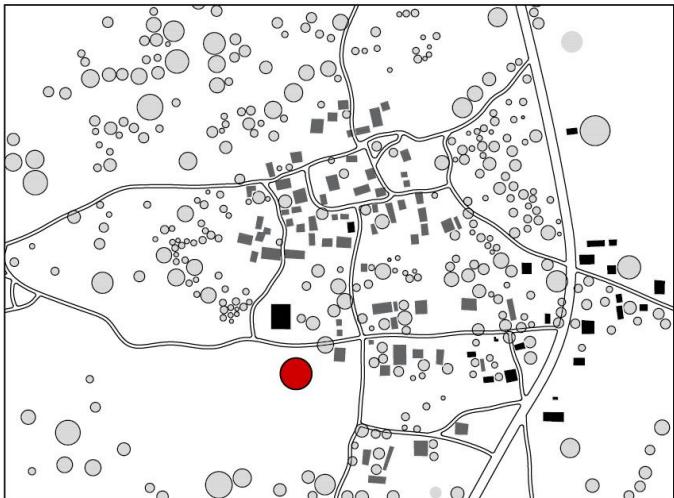


1.

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

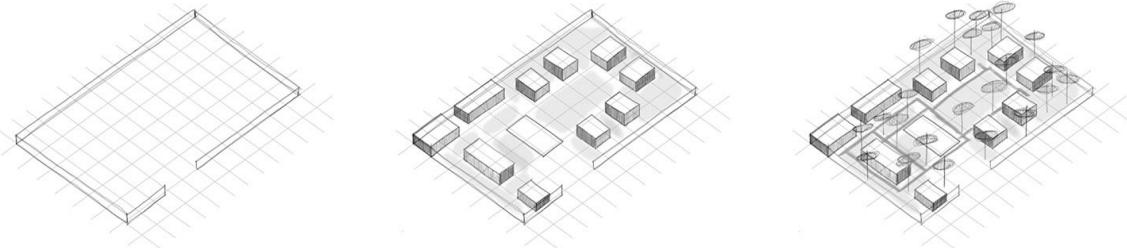
## RISE-ROOTS PRIMARY

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

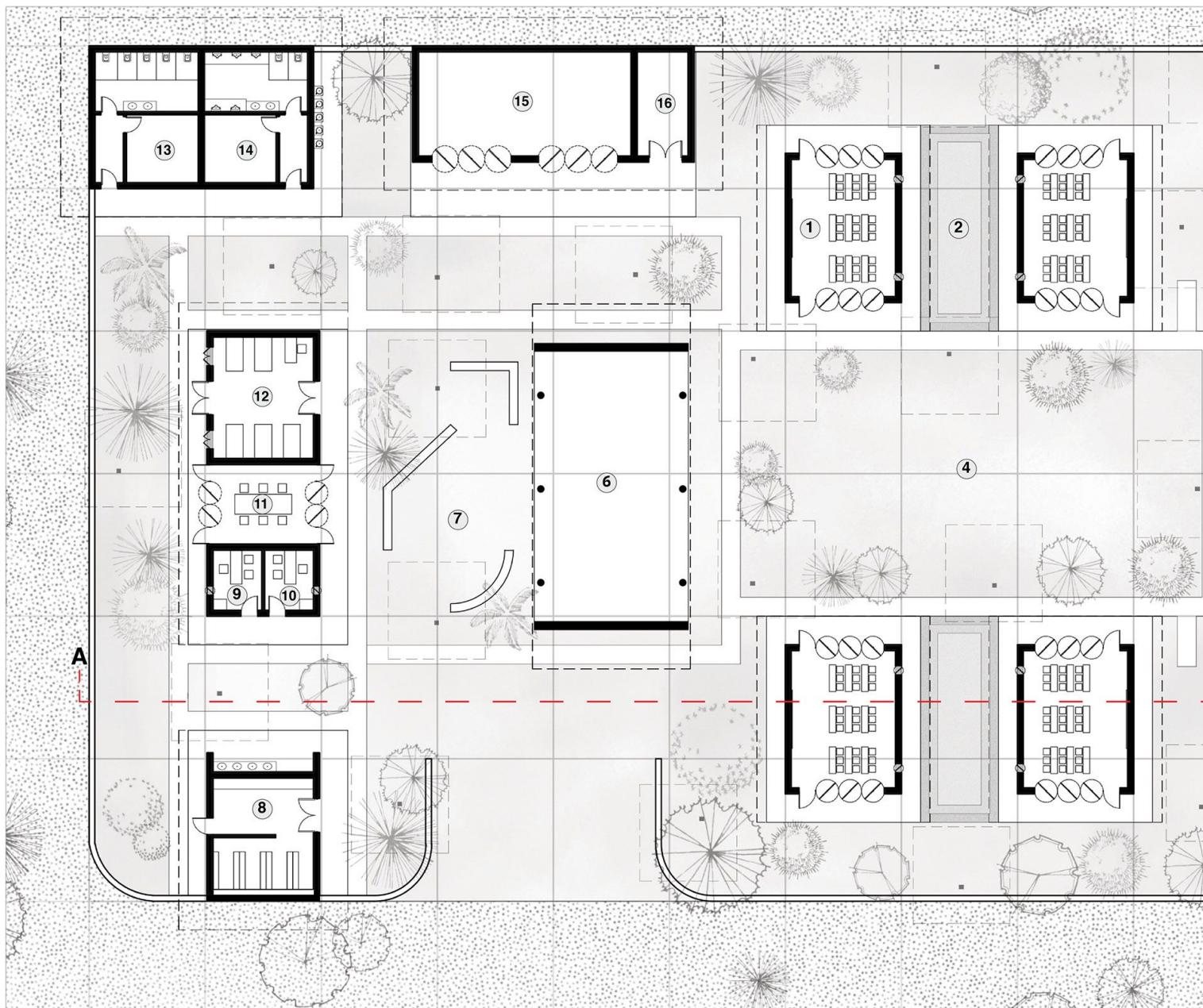
Dividing the whole site in a structured grid. The grid's adaptable nature accommodates future expansion and evolution while promoting efficient circulation through well-designed pathways.

#### FUNCTIONAL SPACES AND CIRCULATION

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

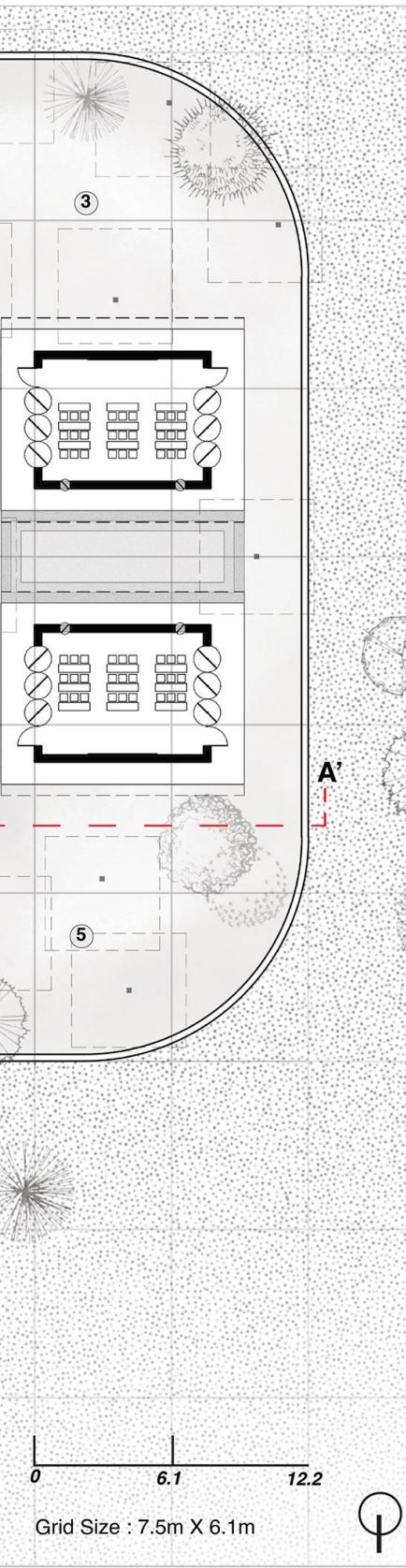
#### CANOPY OF UMBRELLA STRUCTURES

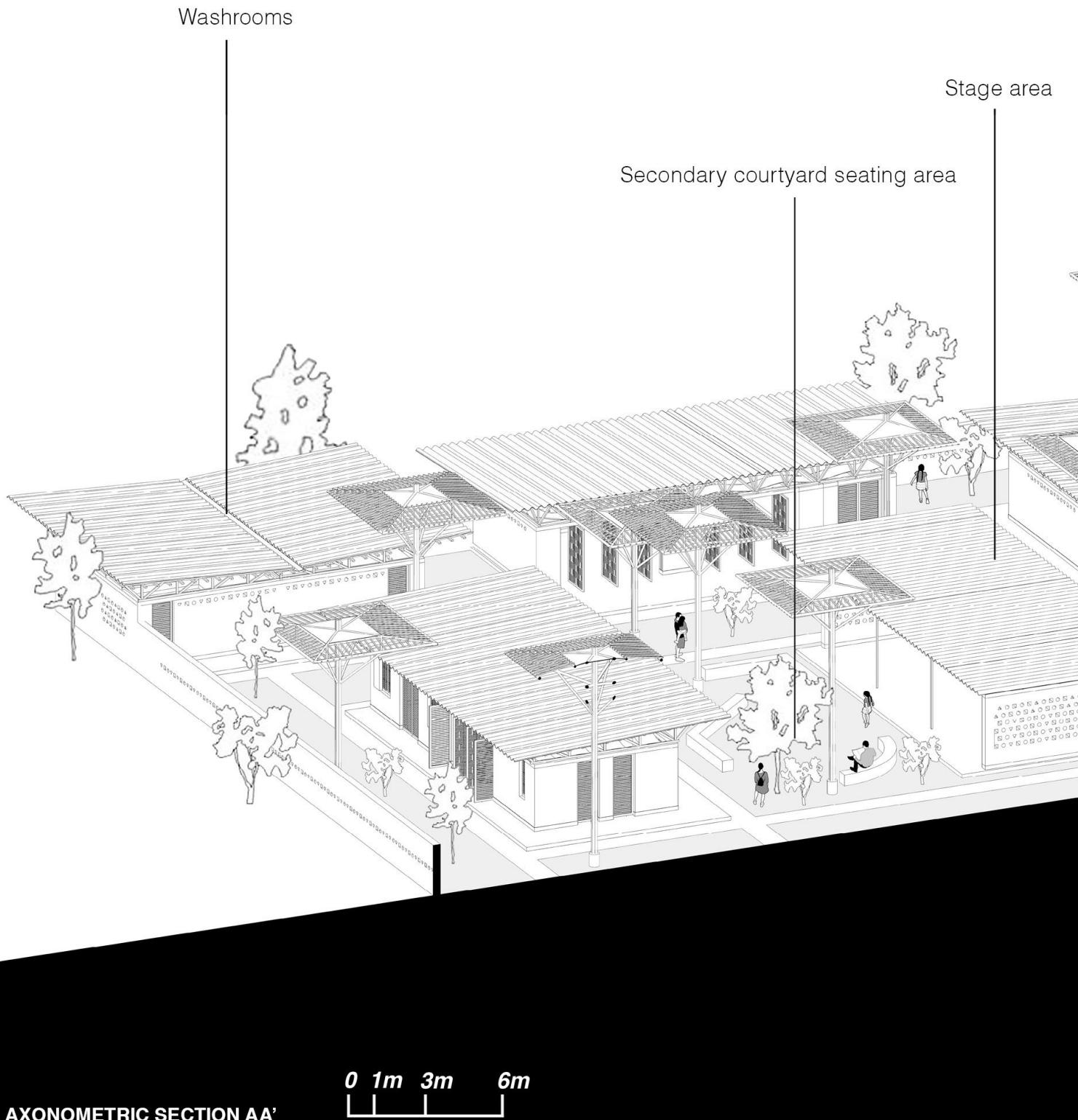
Integrating umbrella structures within the designated blocks of the grid plan serves multifaceted purposes, primarily offering effective shading solutions in gathering spots while adding architectural character.

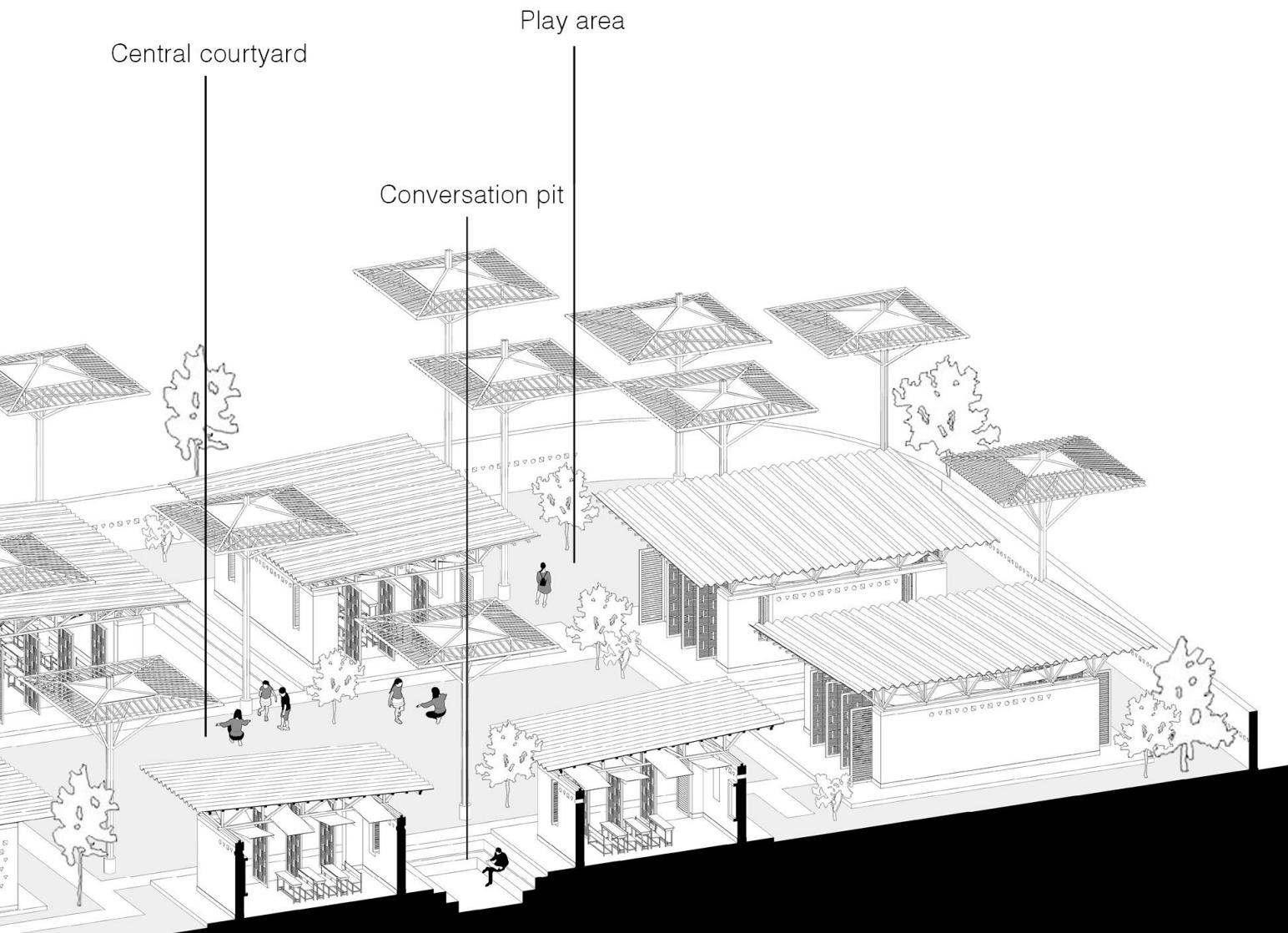


### SITE PLAN

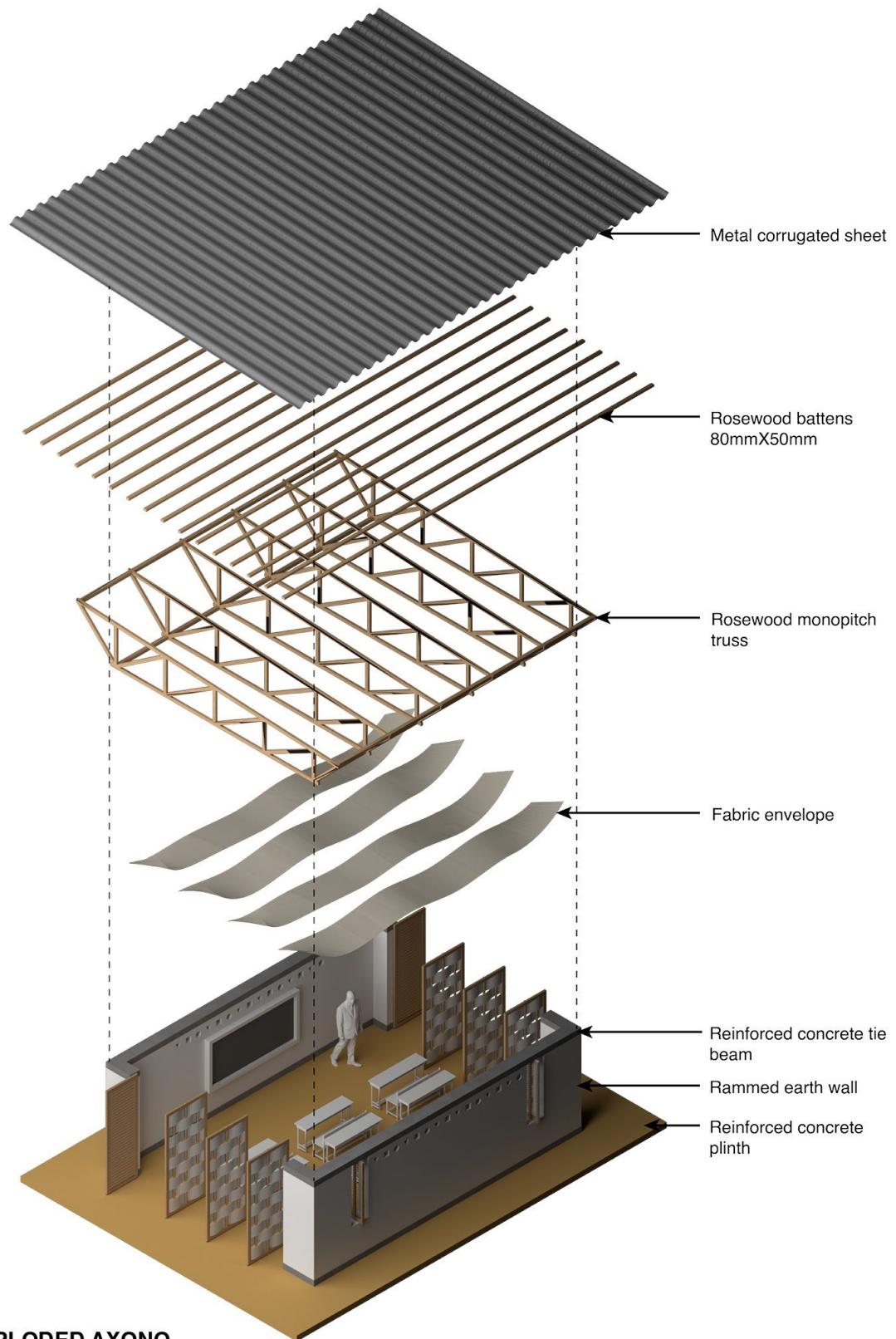
1. Classroom	9. Principal's Office
2. Conversation Pit	10. Management Office
3. Play Area	11. Staff Room
4. Central Courtyard	12. Medical Room
5. Play Area	13. Female Washroom
6. Multipurpose Deck	14. Male Washroom
7. Secondary Courtyard	15. Lab
8. Kitchen	16. Store Room







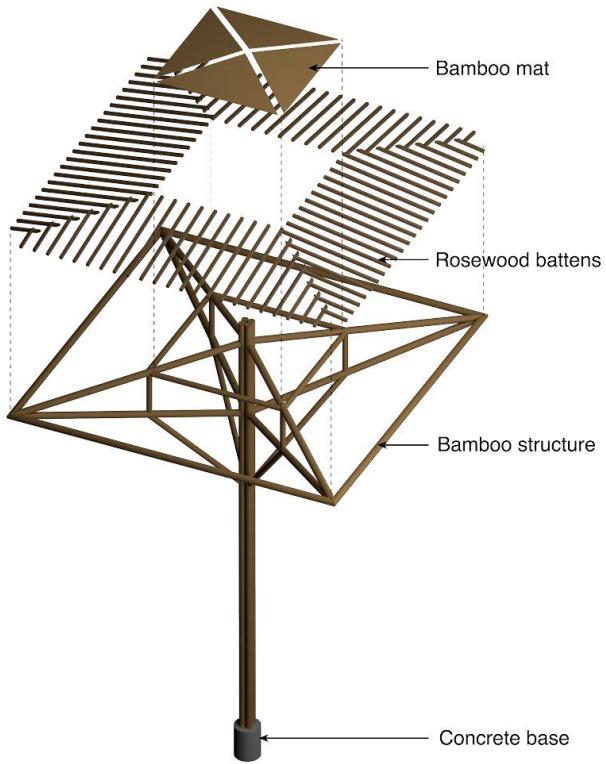
An emphasis on versatility and connection with nature is evident throughout the school's design. The doors pivot effortlessly, blurring the boundaries between indoor and outdoor spaces and accommodating various classroom configurations. The grid layout naturally integrates green spaces, transforming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



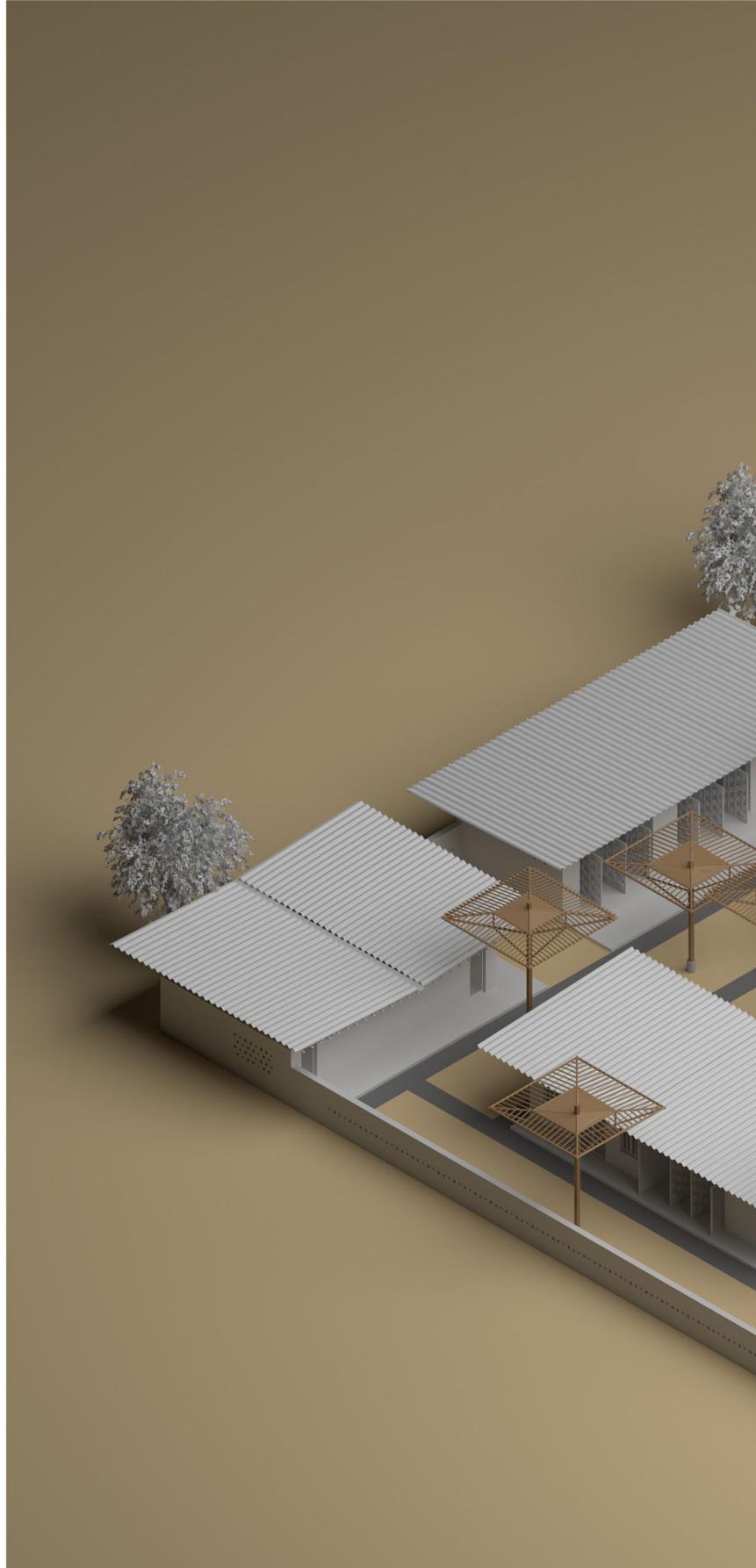
**EXPLODED AXONO  
OF CLASSROOM**

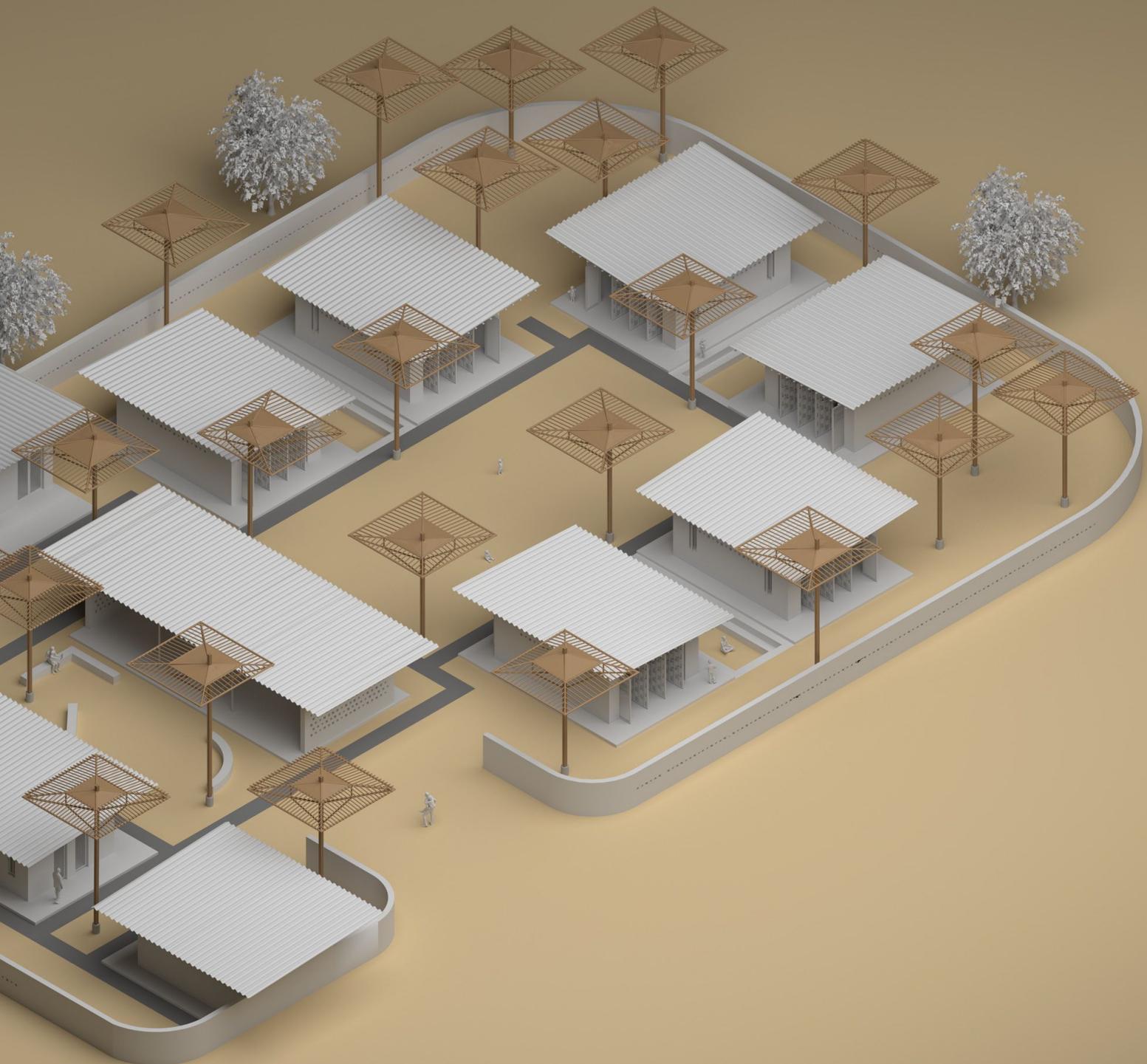


View of Classroom



**EXPLODED AXONO  
OF UMBRELLA STRUCTURES**



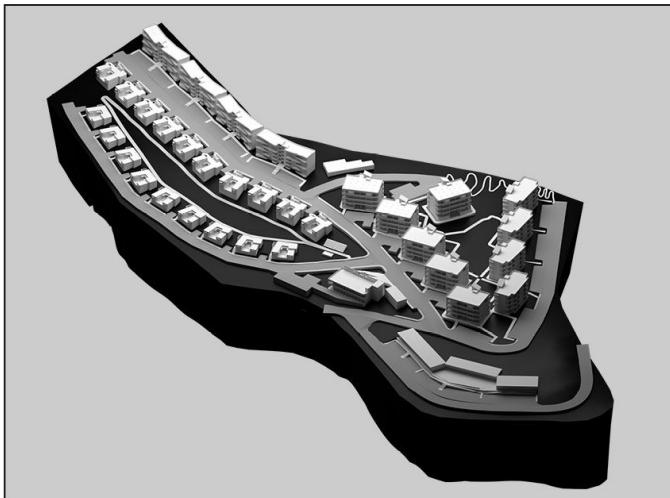




2.

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

## HOH ABODE

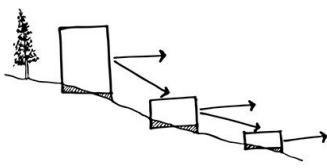
(HIGH ON HILLS)

HILL HOUSING

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

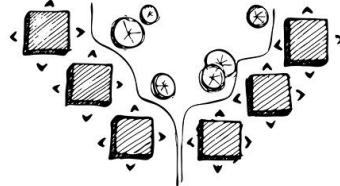
This architectural marvel creates a work of art in which each precisely carved dwelling engages in an interaction with sunshine and panoramic beauty, encouraging an arrangement of visual harmony. The challenge of building a barrier-free utopia is successfully met. These structures mix with the natural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

## 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	
	• 12 -3BHK	
2) TYPOLOGY A:	4) TYPOLOGY C:	6) COMMERCIAL ZONE
• 8 -1BHK	• 32 -1BHK	
• 16 -2BHK	• 16 -2BHK	
• 8 -3BHK		7) SERVICES



### Pedestrian Pathways

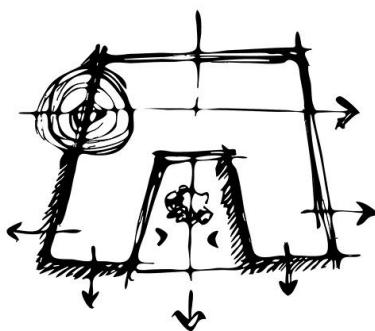
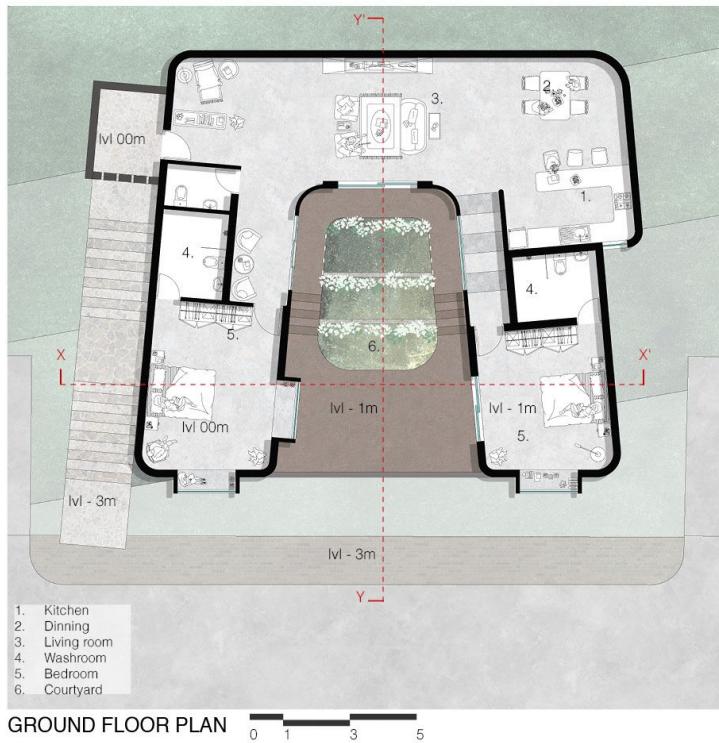
The whole site is connected through pedestrian pathways which allows the user to walk freely and gives better chances to explore the panoramic views.



### Green Spaces

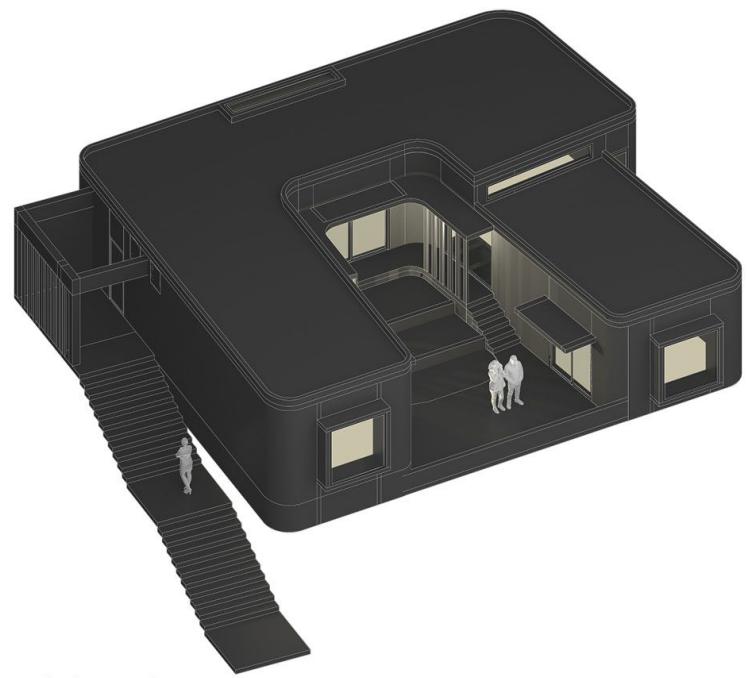
45% of the site is covered in green spaces including the internal open green spaces which gives enough spaces for people to refresh and for the kids to play.

## 2 BHK VILLA

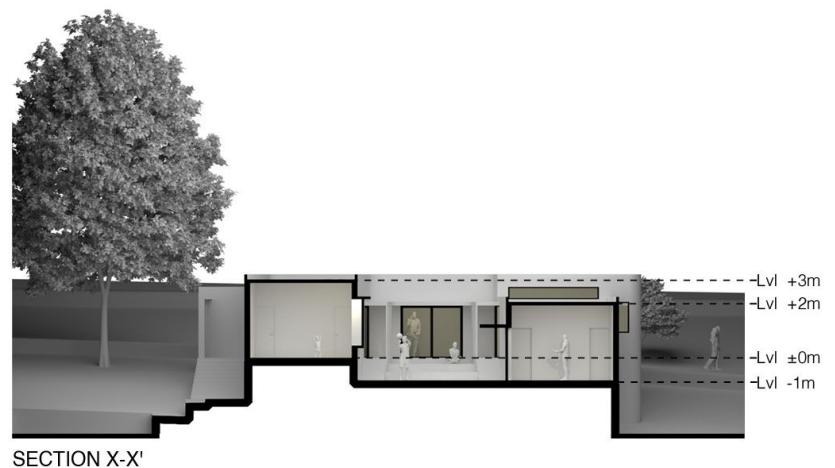


Each space has its own curated view, framed by bay windows that dance with light, while the internal courtyard whispers secrets of communal unity, where structure and nature waltz in harmonious embrace.

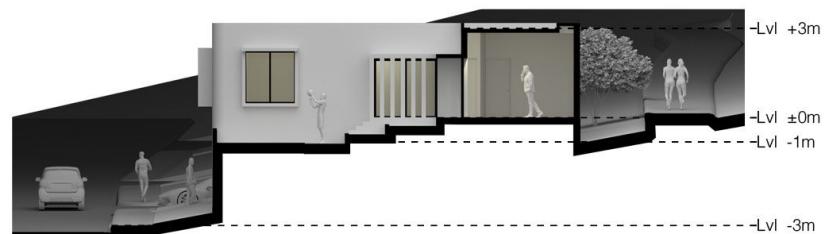




AXONOMETRIC VIEW

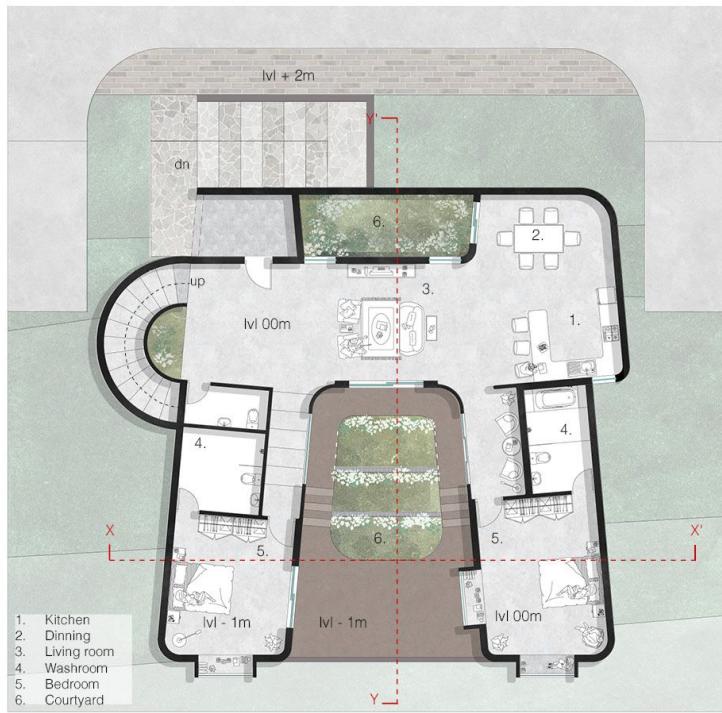


SECTION X-X'

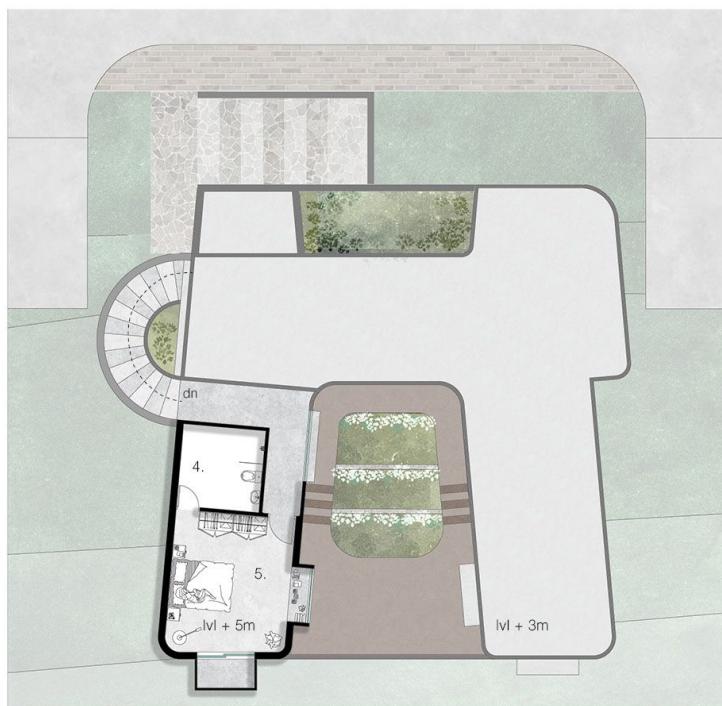


SECTION Y-Y'

### 3 BHK VILLA

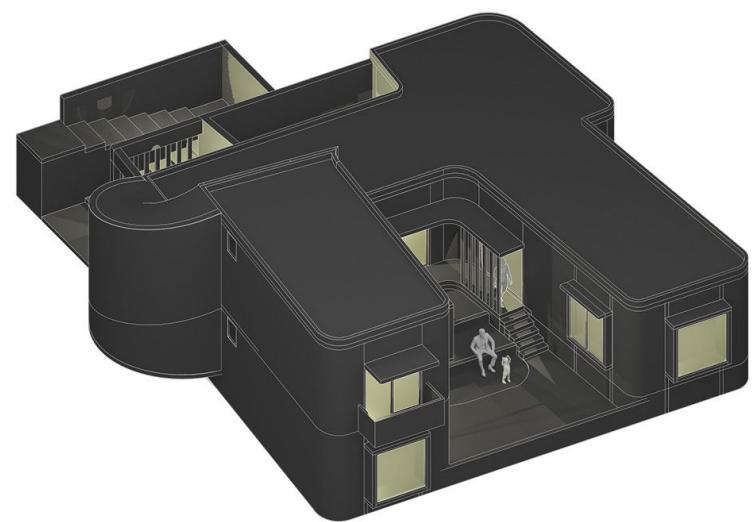


0 1 3 5

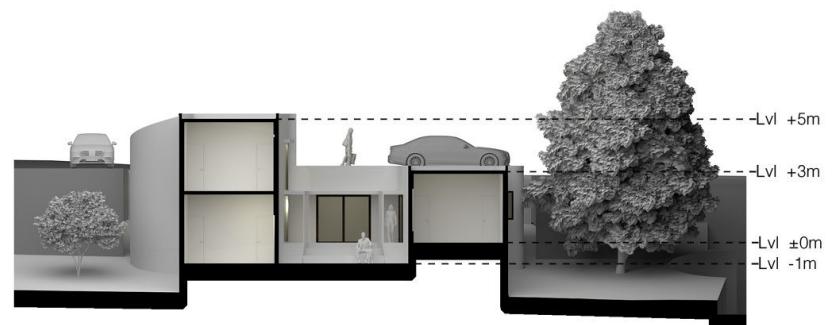


FIRST FLOOR PLAN

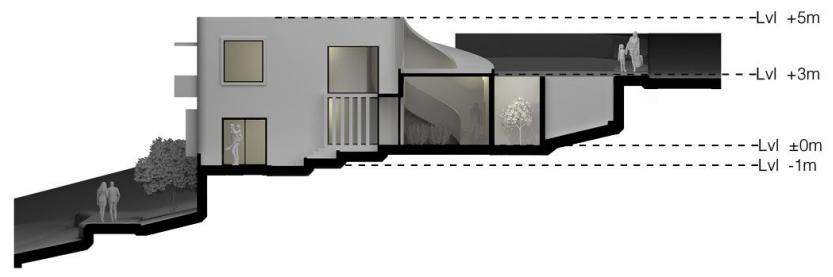




AXONOMETRIC VIEW



SECTION X-X'

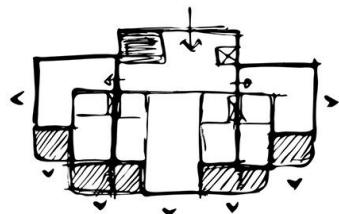


SECTION Y-Y'

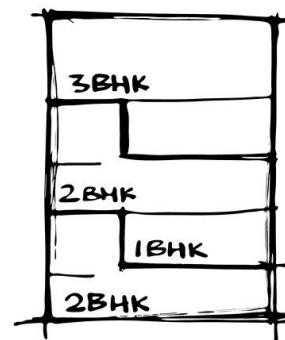
## TYPOLOGY 1



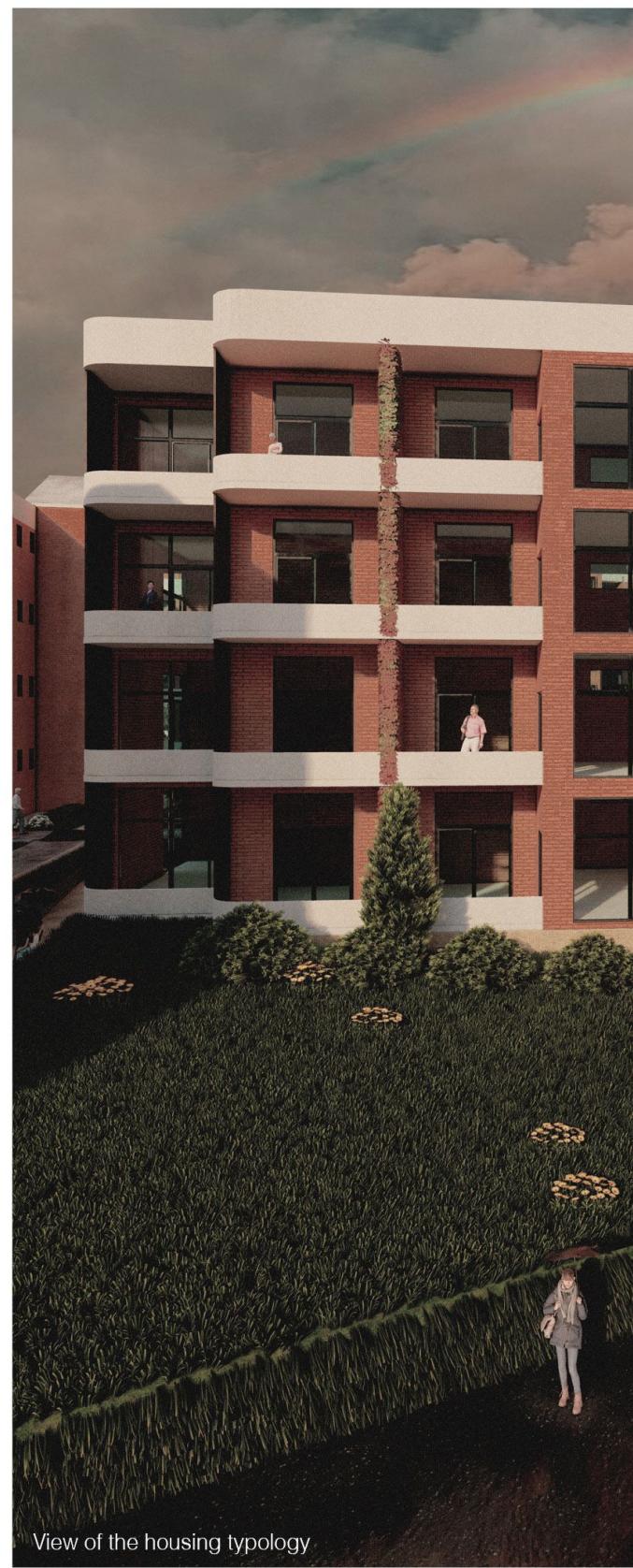
TYPICAL FLOOR PLAN



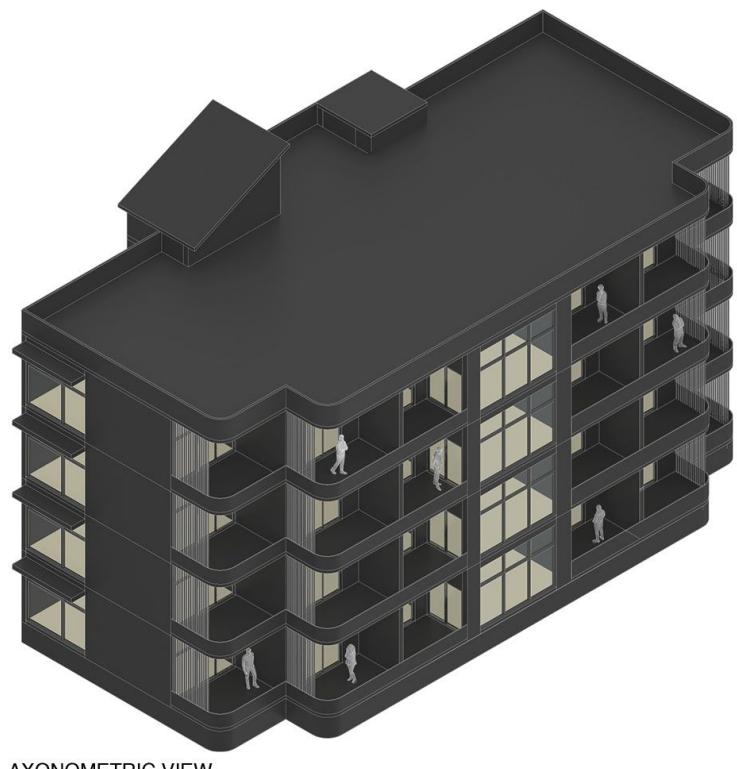
It shows balconies connecting each room for a view-filled melody. Spaces on the outside enjoy sunlight, blending seamlessly with the scenic surroundings.



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



View of the housing typology

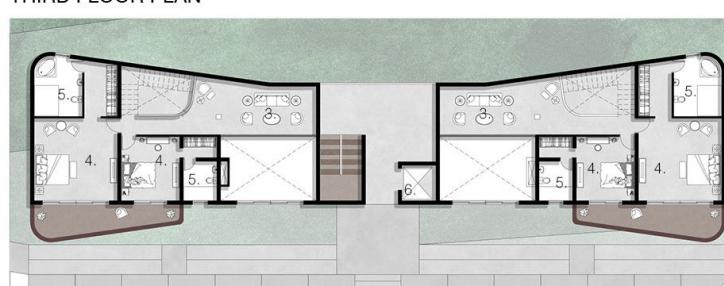
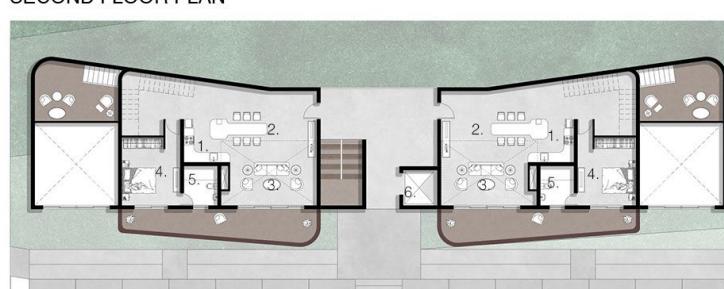
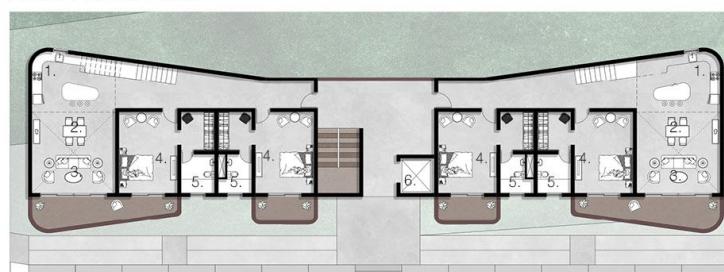
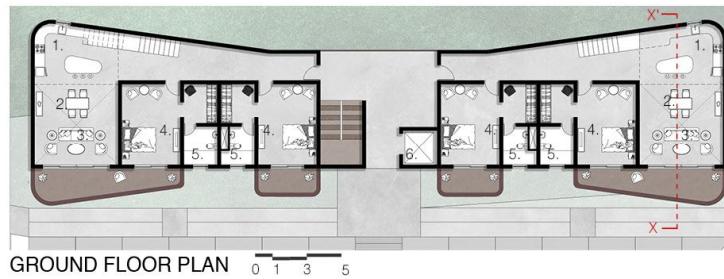


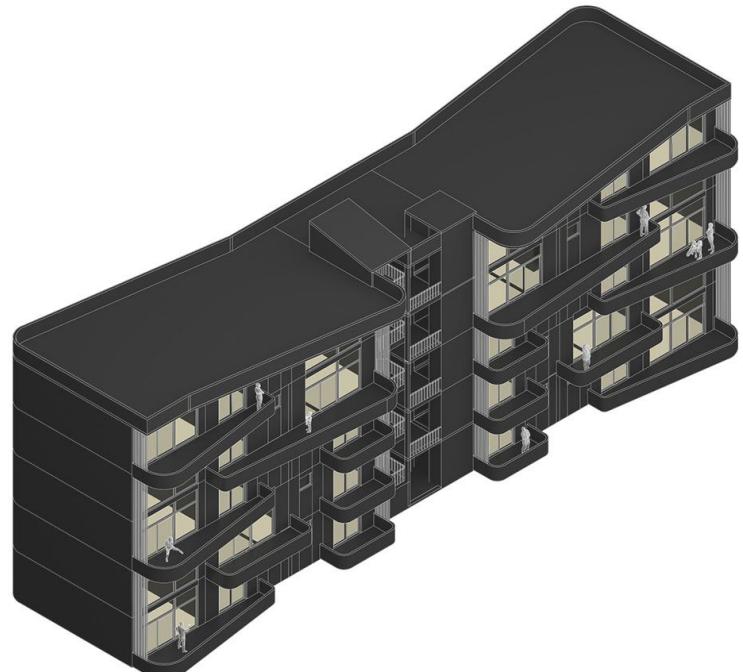
AXONOMETRIC VIEW



SECTION X-X'

## TYPOLOGY 2



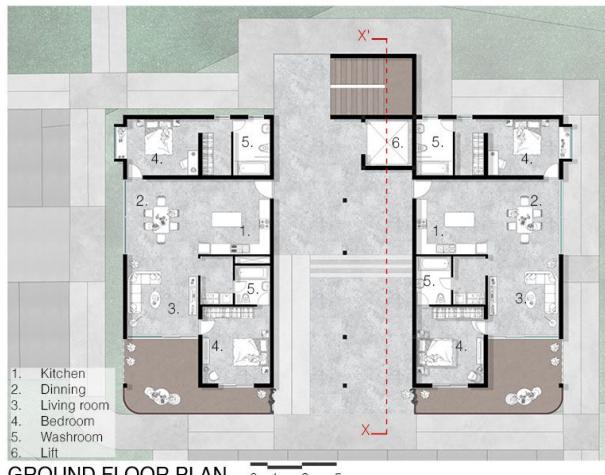


AXONOMETRIC VIEW



SECTION XX'

## TYPOLOGY 3



GROUND FLOOR PLAN 0 1 3 5

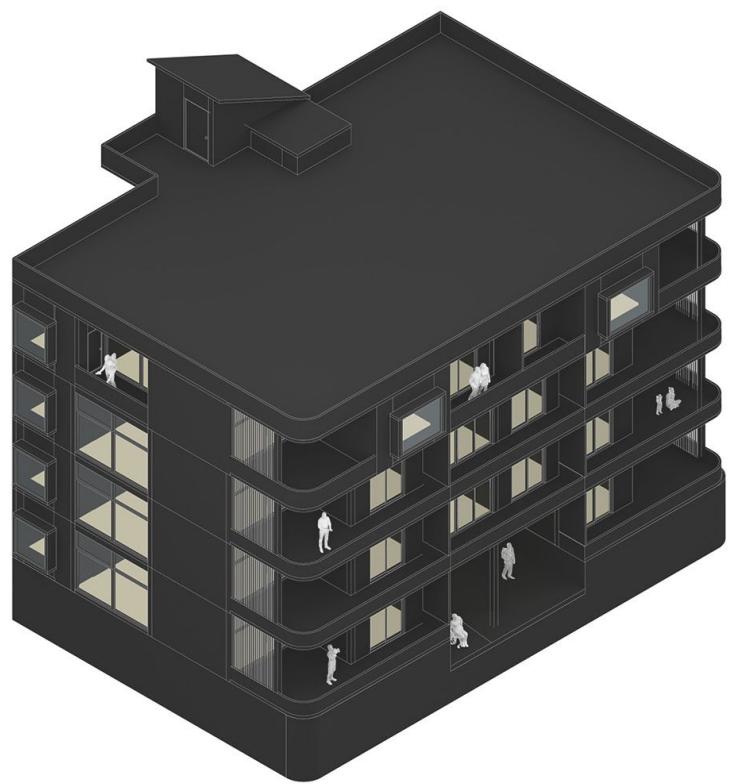


FIRST & SECOND FLOOR PLAN

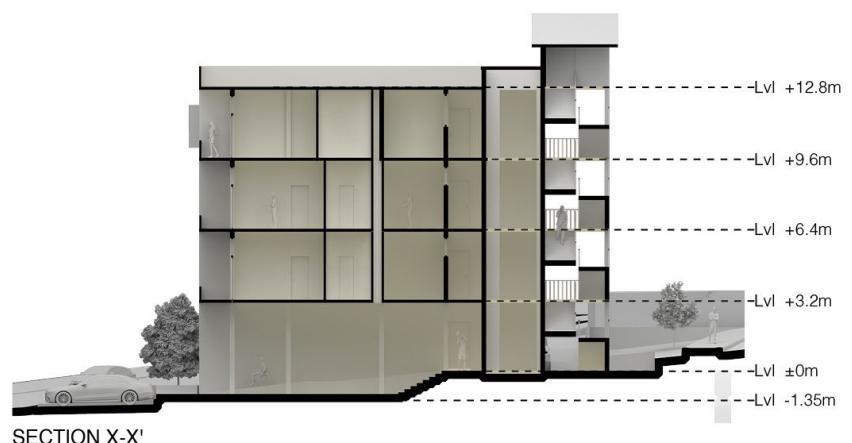


THIRD FLOOR PLAN





AXONOMETRIC VIEW

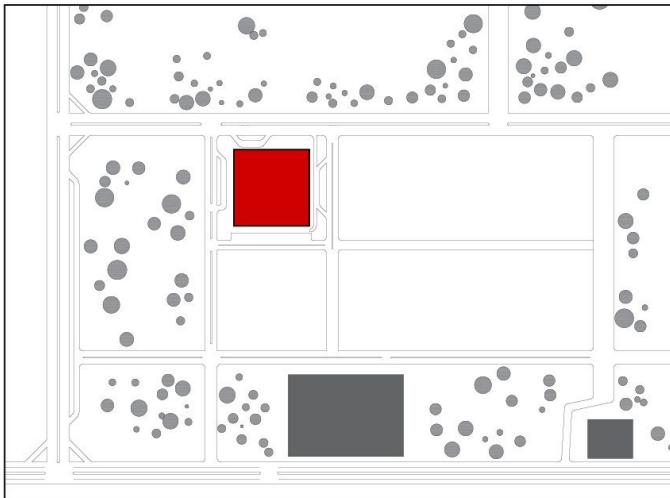


SECTION X-X'









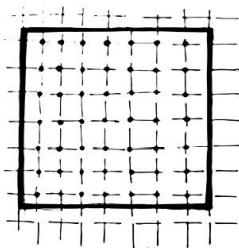
Khudha Lahora, Chandigarh, India  
30°47'9.46"N, 76°45'45.31"E

## ILLUMINA LIFE HOSPITAL

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

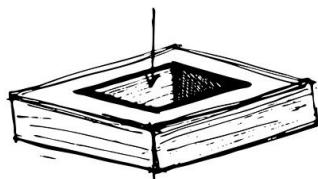
This Hospital stands as a beacon of minimalist design principles fused with a holistic approach to healthcare. Its central courtyard floods the interior with natural light, fostering a serene atmosphere conducive to healing. Exterior landscaping seamlessly integrates the structure with its surroundings, 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



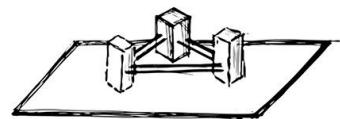
SETTING OUT THE GRID

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.



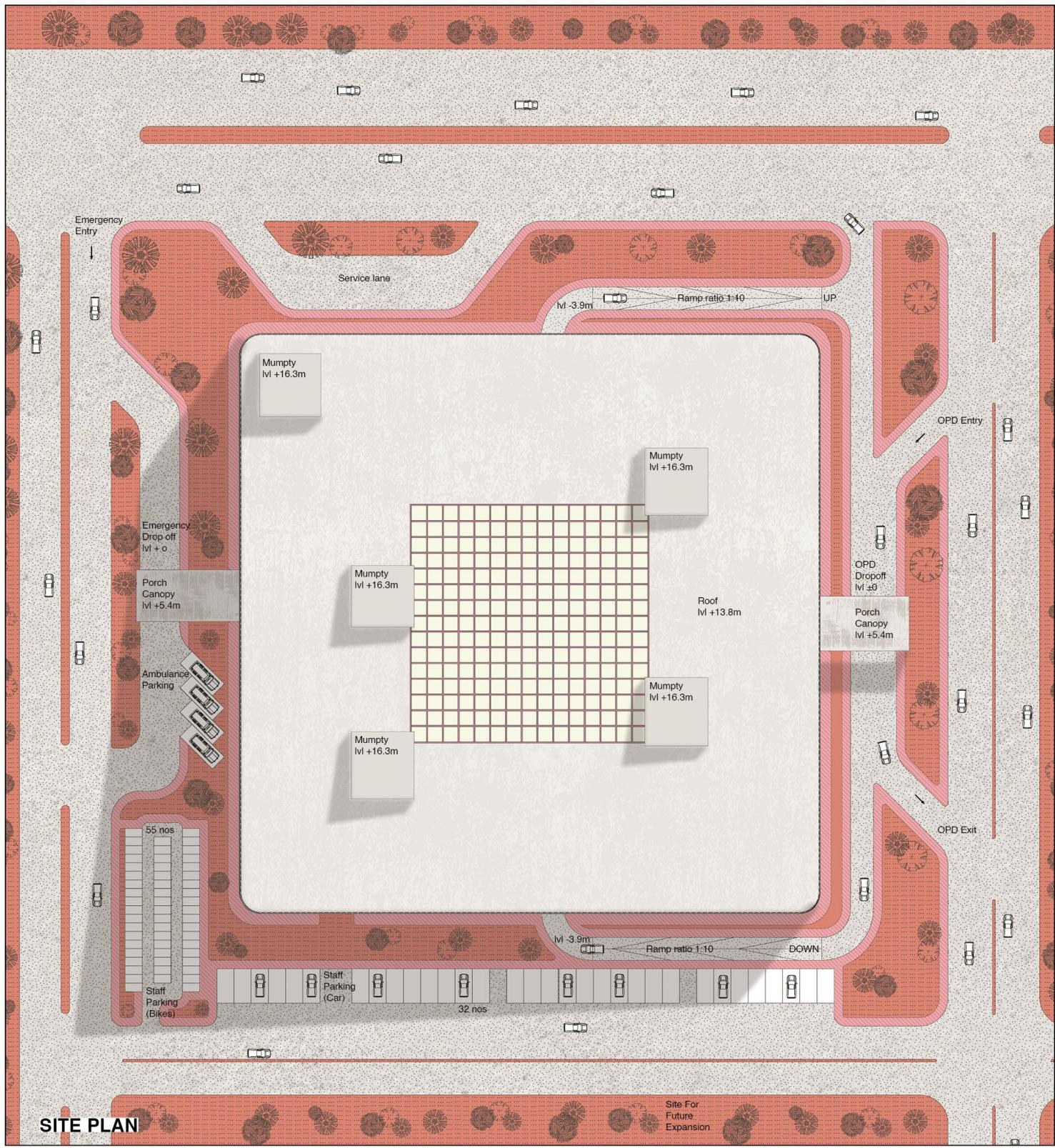
INTEGRATED COURTYARD

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



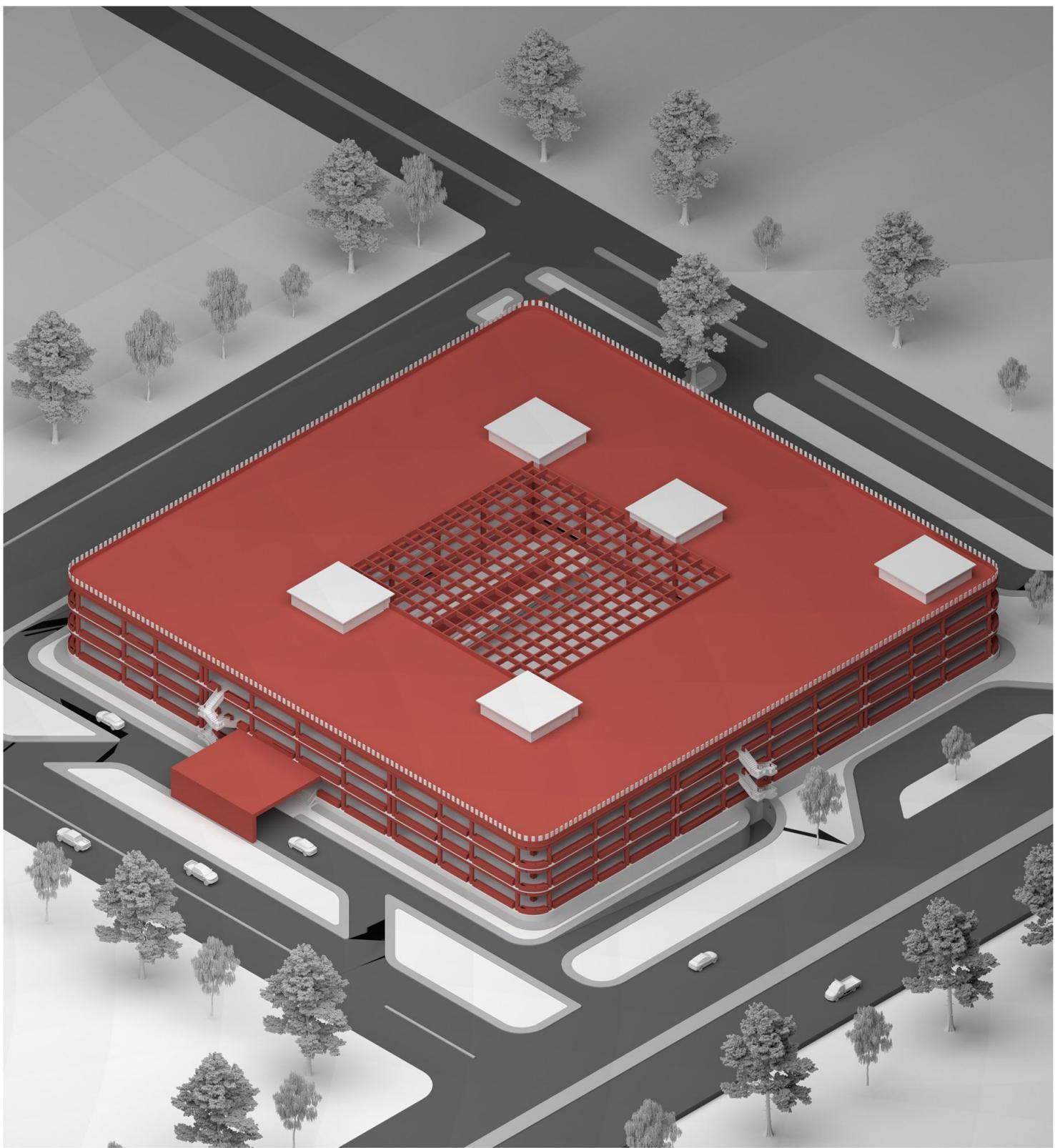
FUTURE EXPANSION

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.



0 5m 10m 20m

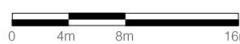




**AXONOMETRIC VIEW**

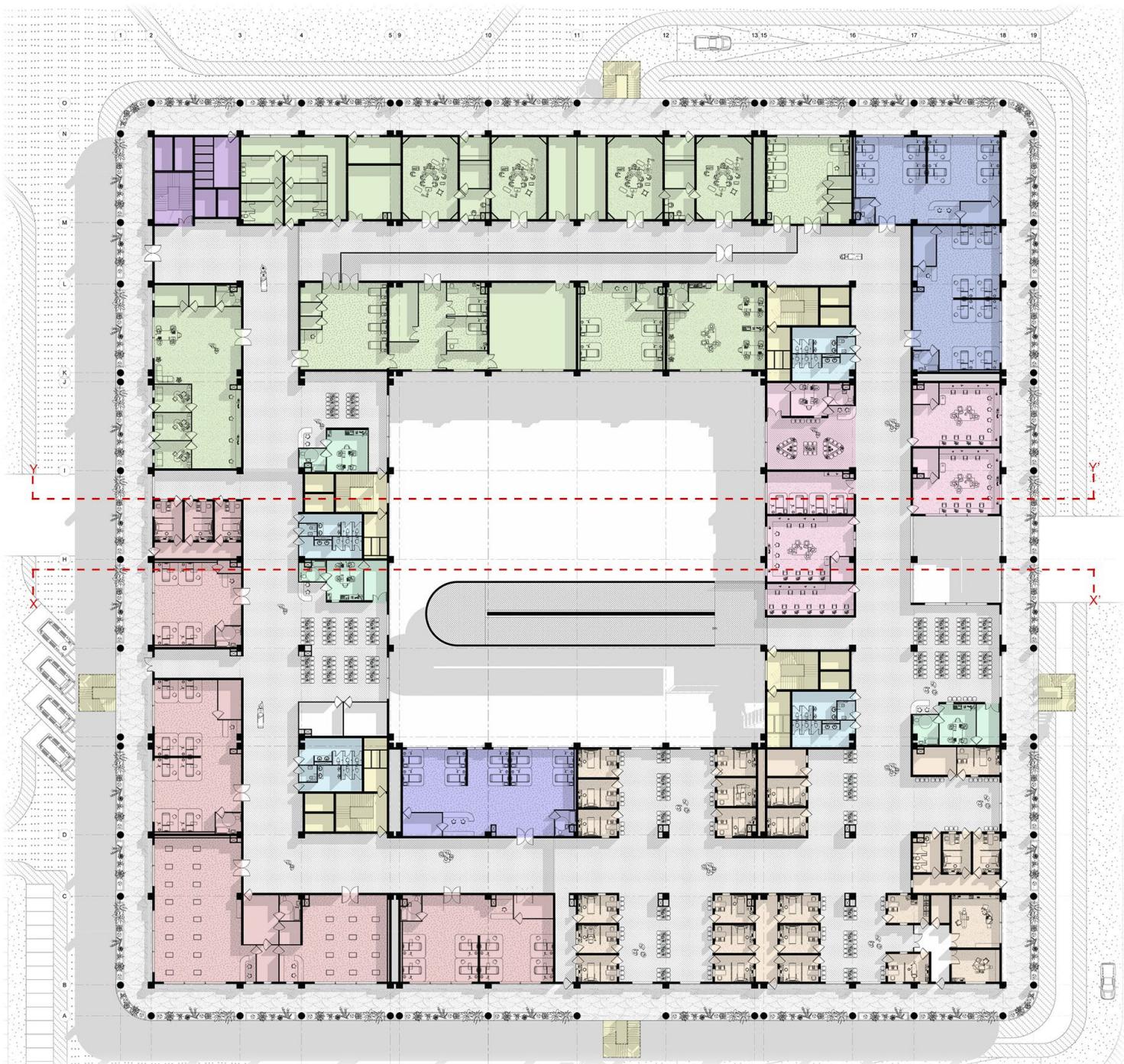


## GROUND FLOOR PLAN

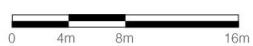


Legend:

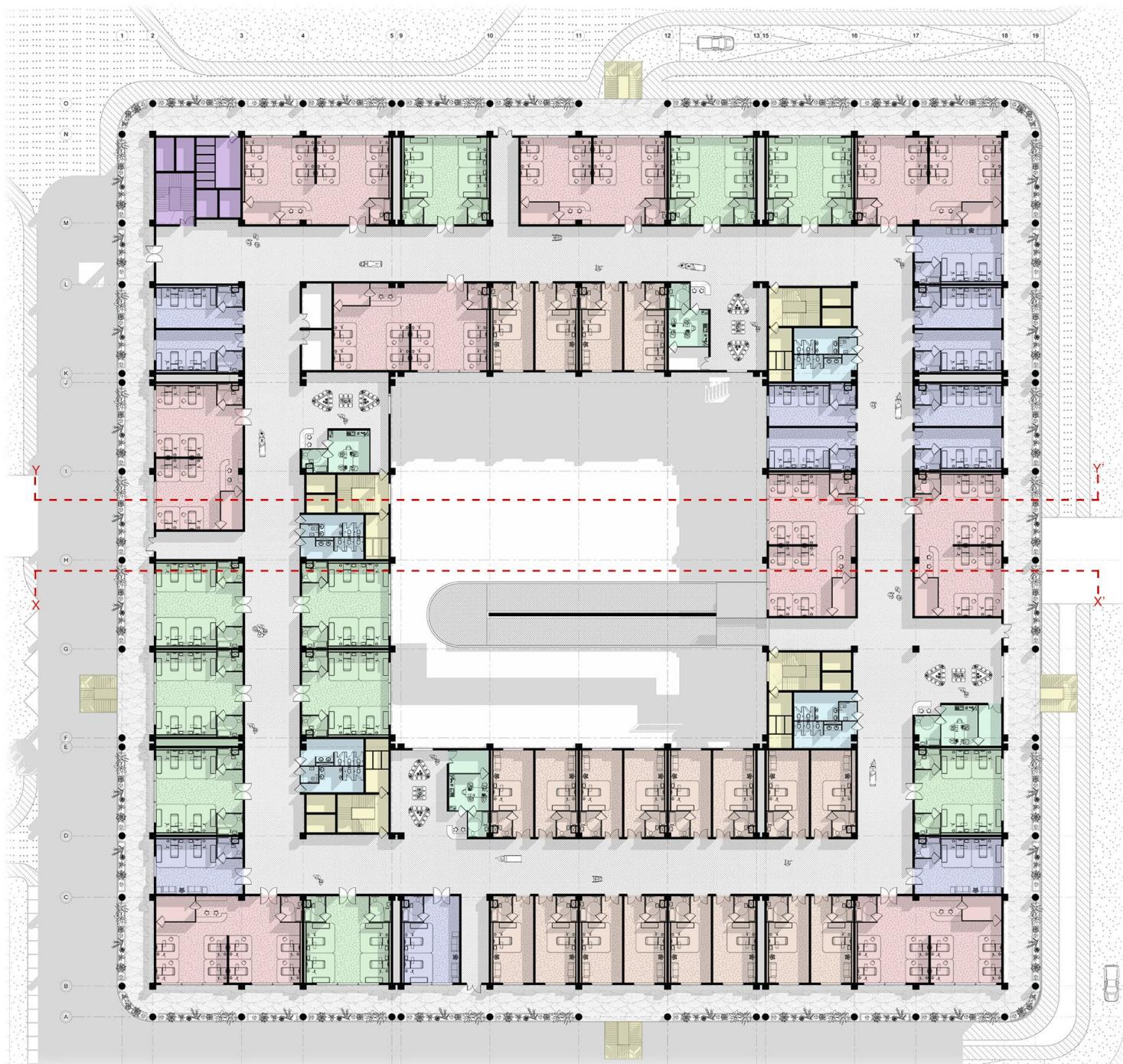
- OPD
- Admin
- Cafe
- Emergency
- Diagnostics
- Vertical circulation
- Washroom
- N. Station
- Service core



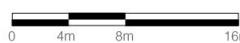
FIRST FLOOR PLAN



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

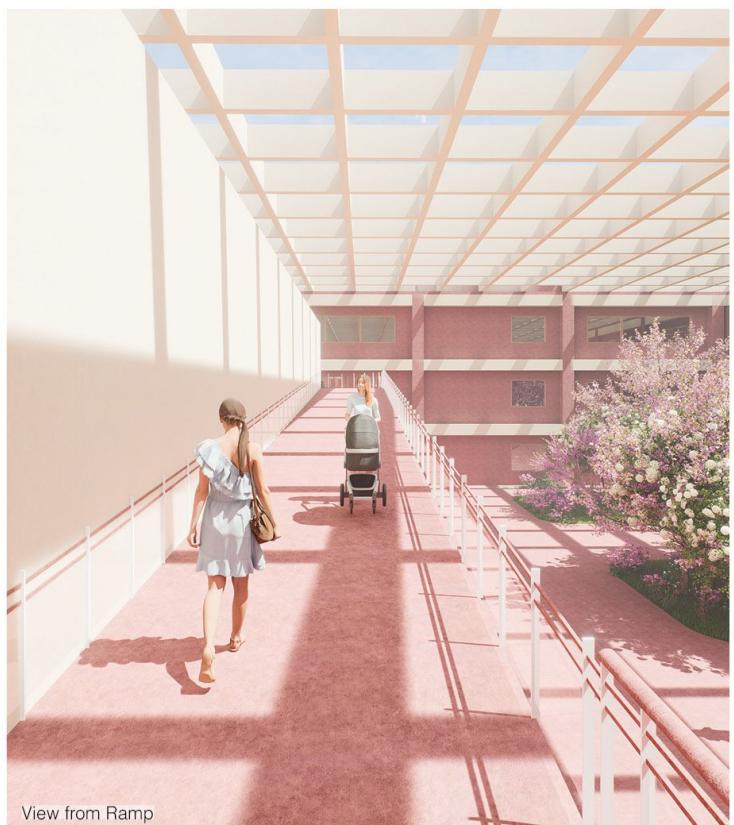
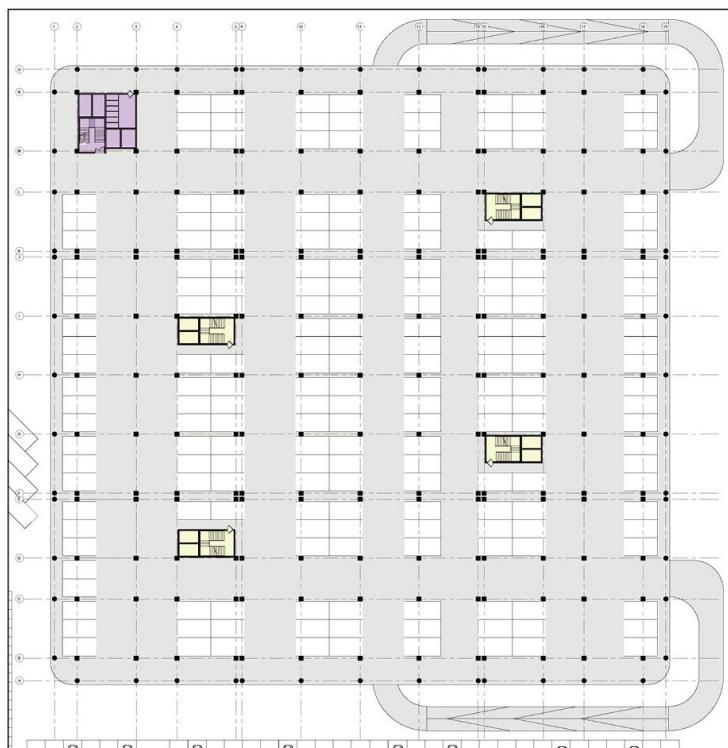
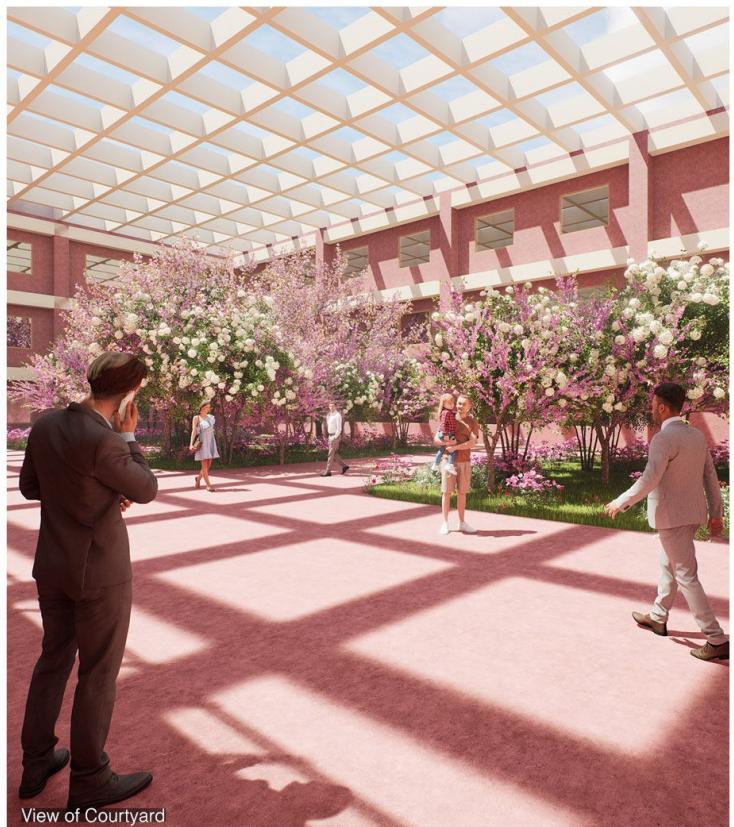
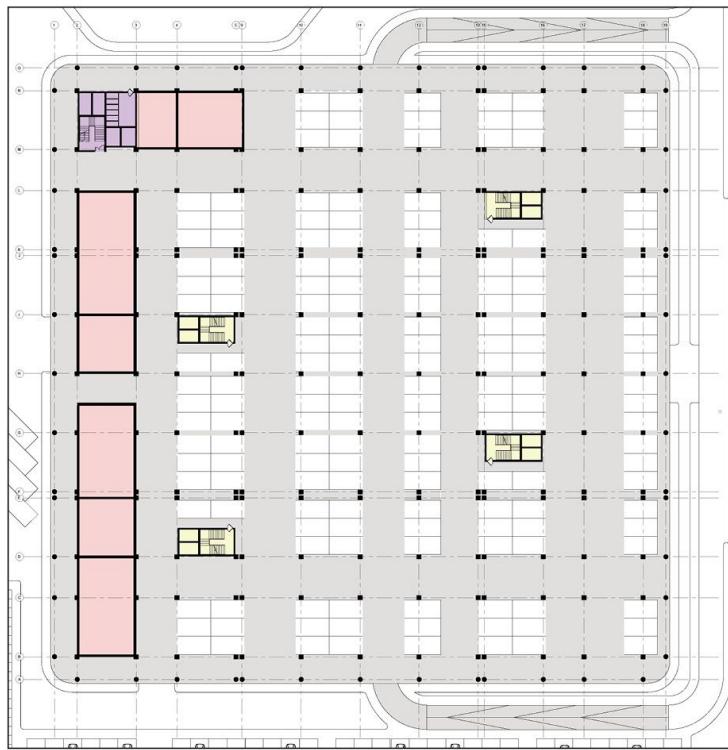


## GROUND FLOOR PLAN



Legend:

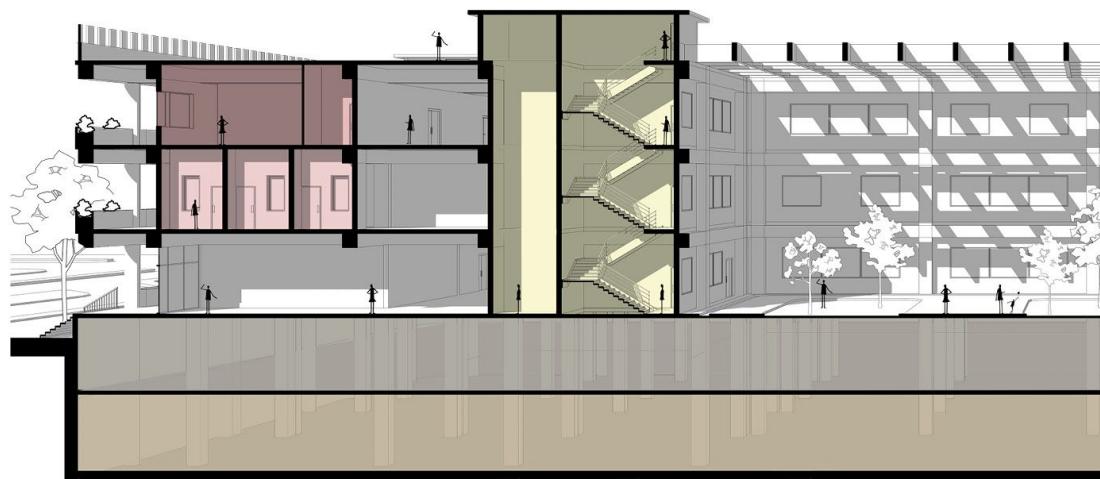
- General ward
- 4 Bedded ward
- 2 Bedded ward
- Single bedded ward
- Verticle circulation
- Washroom
- N. Station
- Service core





**SECTION X-X'**

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



**SECTION Y-Y'**

■ General ward ■ Vertical circulation ■ Diagnostics ■ Admin ■ Basement 1 ■ Basement 2 ■



Basement 2



nt 2

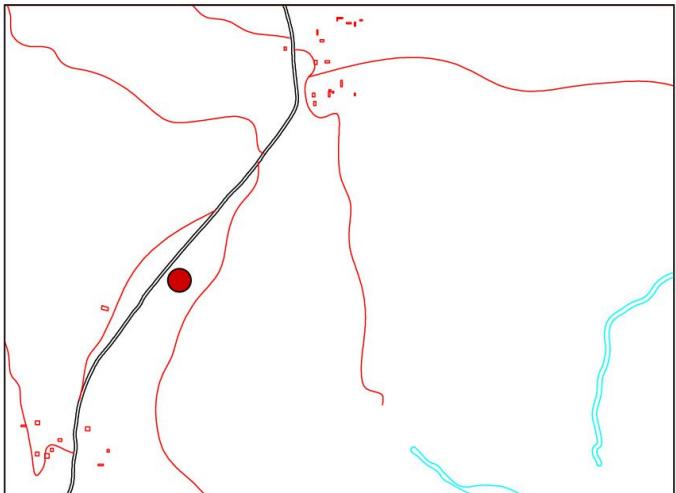


1.

2.

3.

4.



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

## ADVANCED NYUMBANI

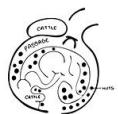
GGW (Great Green Wall)

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.

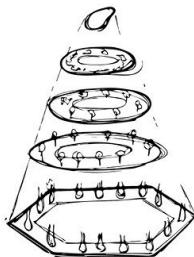
The main aim of the project is to create a space which preserves the tradition while keeping it modern.

## CONCEPT



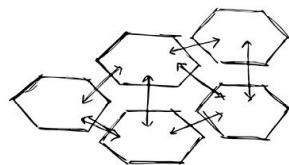
PLANNING

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.



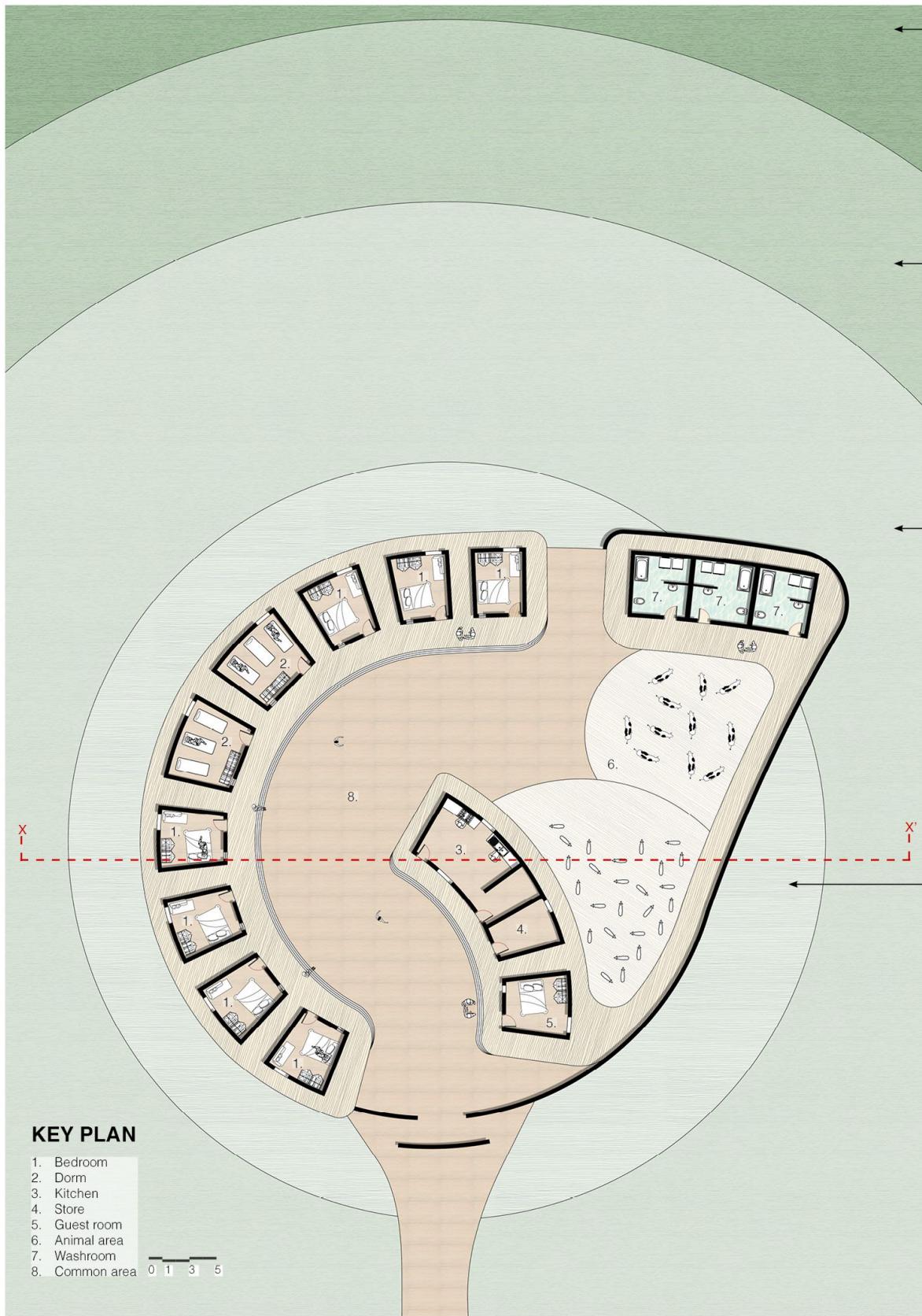
PLANTATION

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.

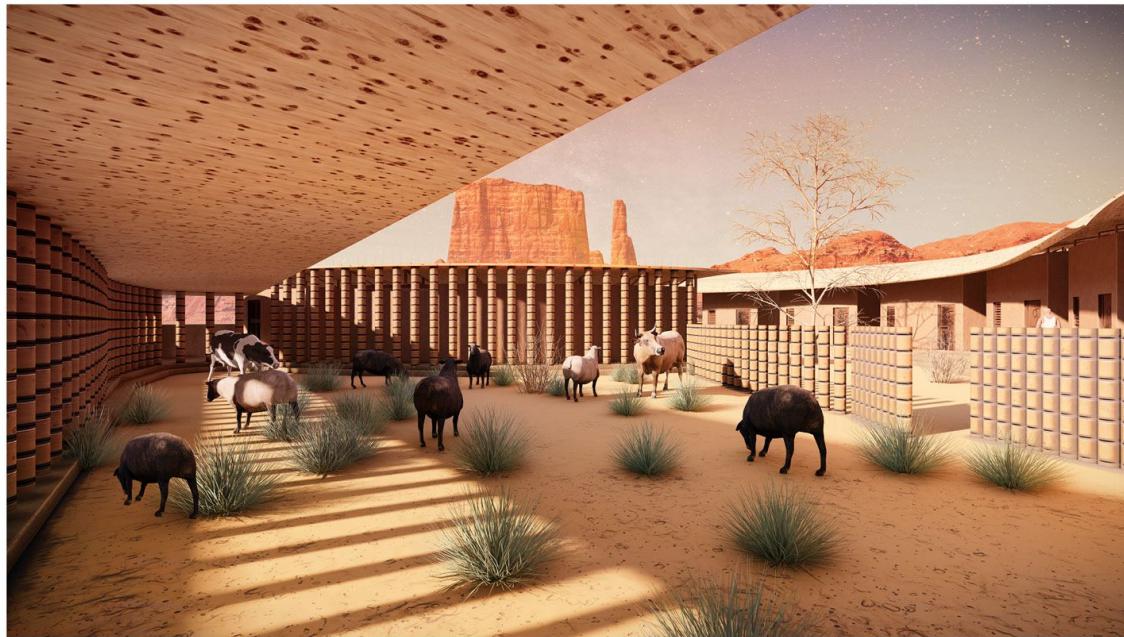
← 1st Zone

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

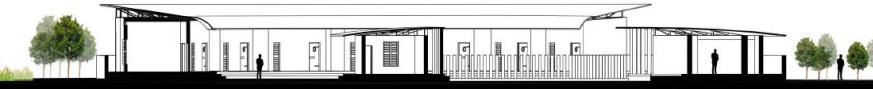


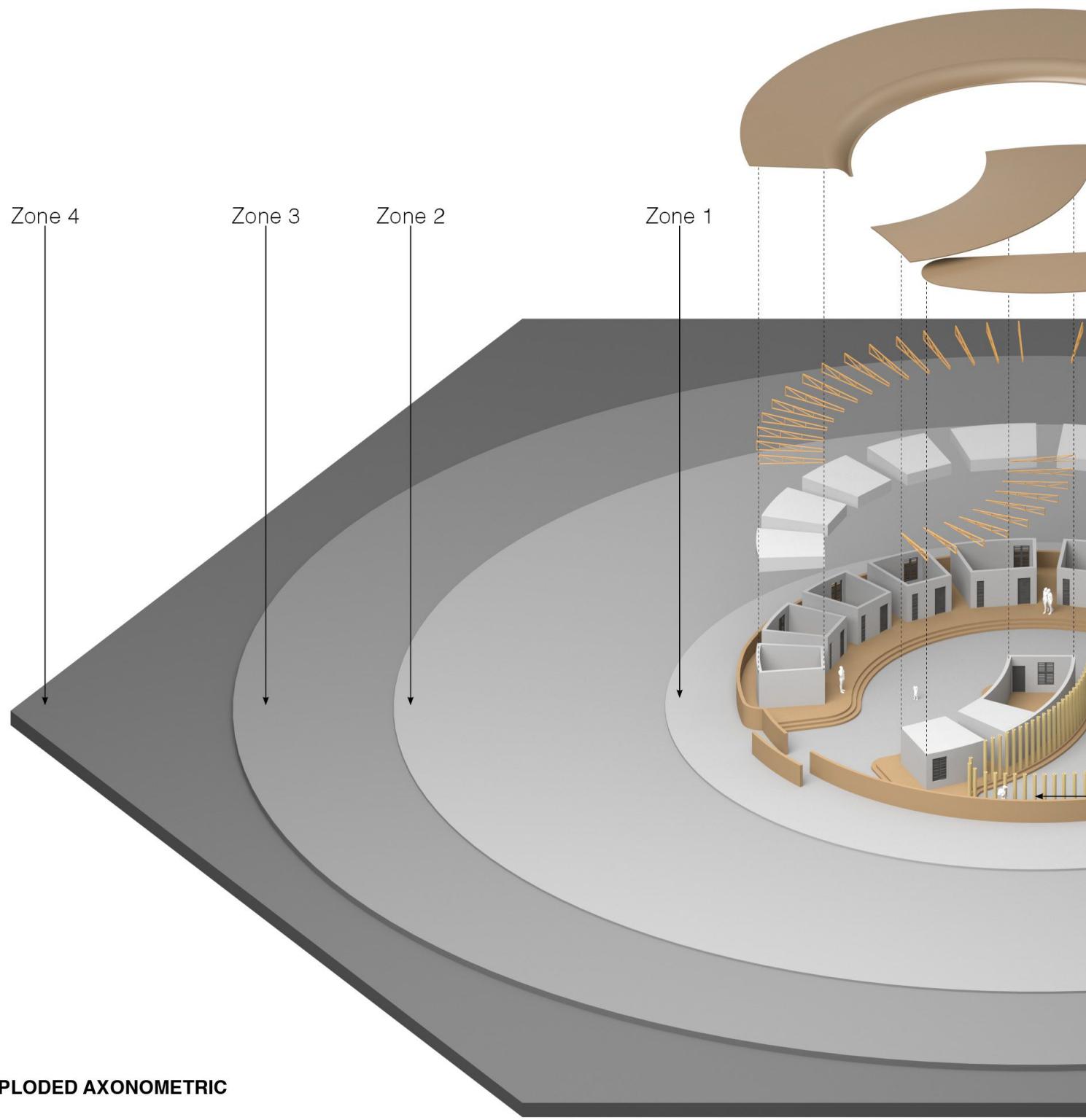


The central part forms the courtyard with common kitchen in between which will be the main interactive zone. Open seating is provided in that zone as well.

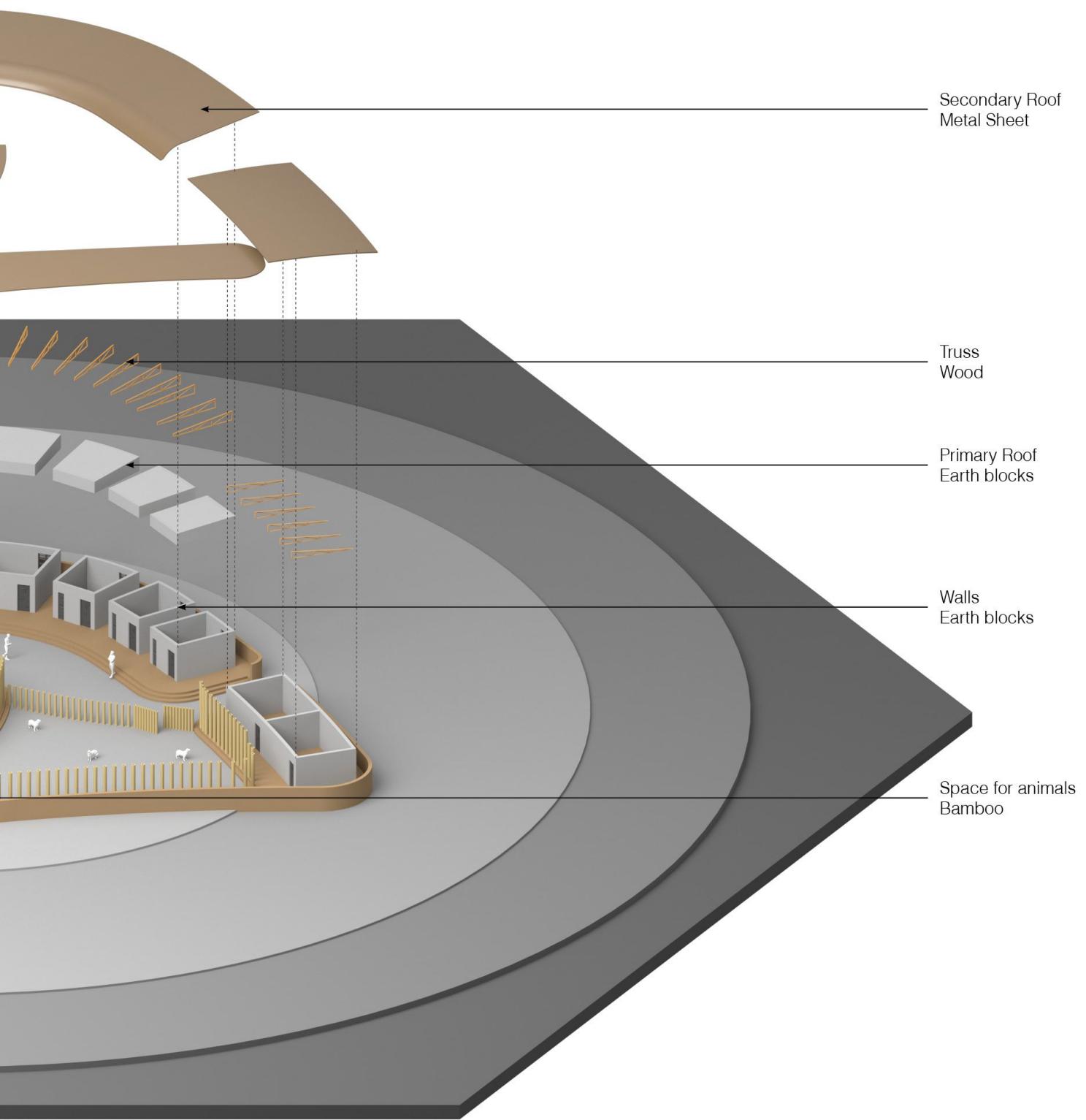


Inside the walls of the vernacular dwelling, a designated area offers a house for animals where humans and animals can coexist together.





## EXPLODED AXONOMETRIC





## **MISCELLANEOUS**

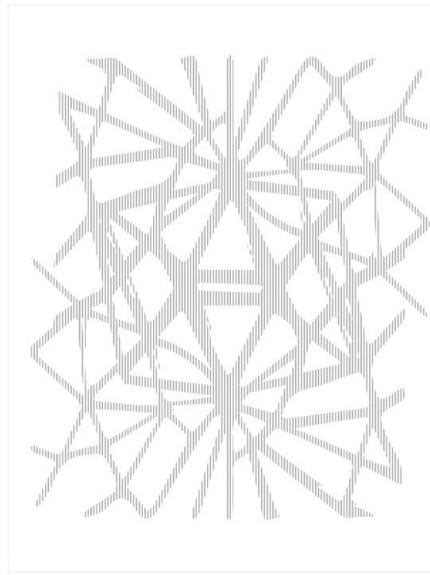
1. TOTE DESIGN
2. CAP DESIGN
3. ICONIC WEEK
4. MURAL
5. DOCUMENTATION
6. PHOTOGRAPHY
7. PHOTOGRAPHY B&W
8. DRAWINGS

# 01. TOTE DESIGN

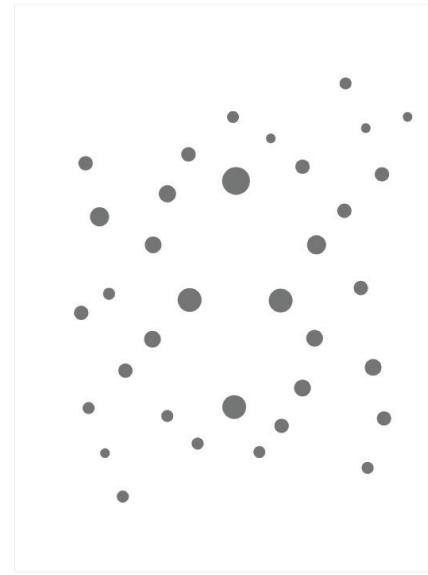


## CARRYALL

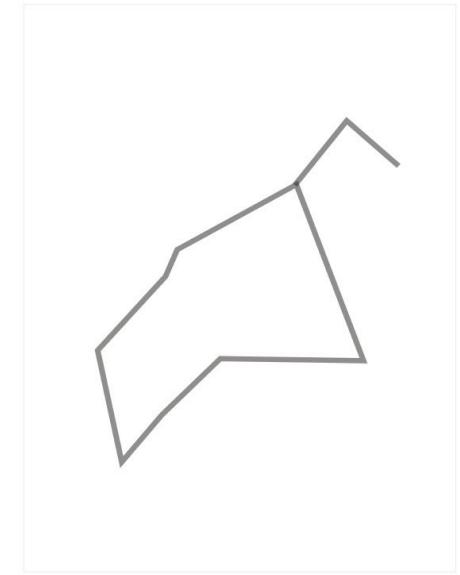
At our college, each house was assigned to create an abstract tote bag that embodied their house's **emotions**. The objective was to add a unique hidden element for each house. All while using only the front of the tote. This project allowed us to express our creativity and highlight the essence of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



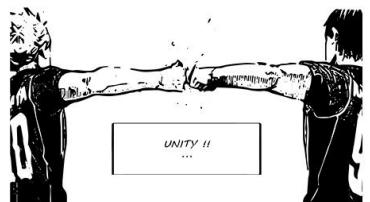
Wrath embodies the unstoppable force within the Maurya house, driving them to overcome challenges with unwavering determination and resilience. It serves as a reminder of the strength that lies within unity and collective resolve, inspiring wearers to channel their inner fire to achieve their goals and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

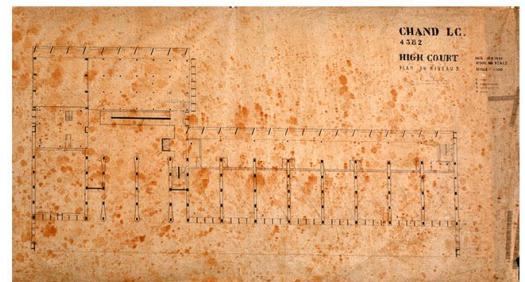
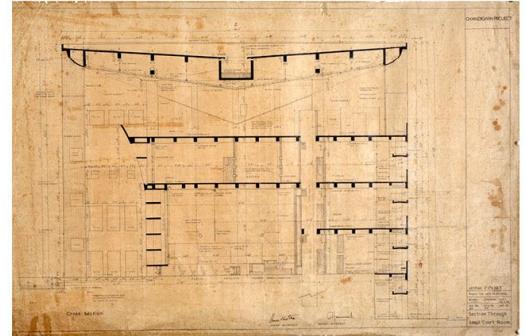


Unity serves as a reminder of the importance of standing together, supporting one another, and embracing diversity. It inspires wearers to celebrate their differences, to find strength in unity, and to work towards common goals with mutual respect and cooperation. This cap symbolizes the inherent power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

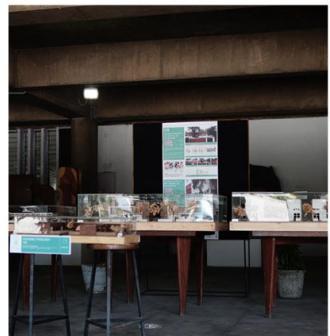
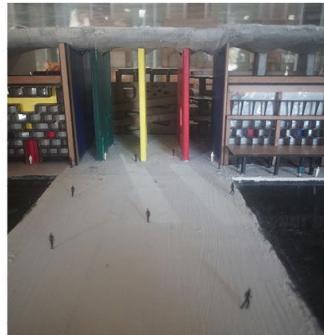
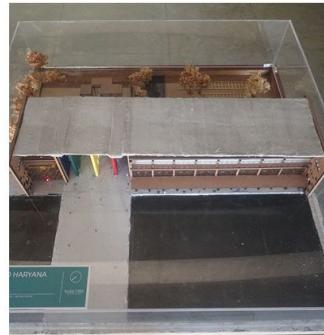
## 03. ICONIC WEEK



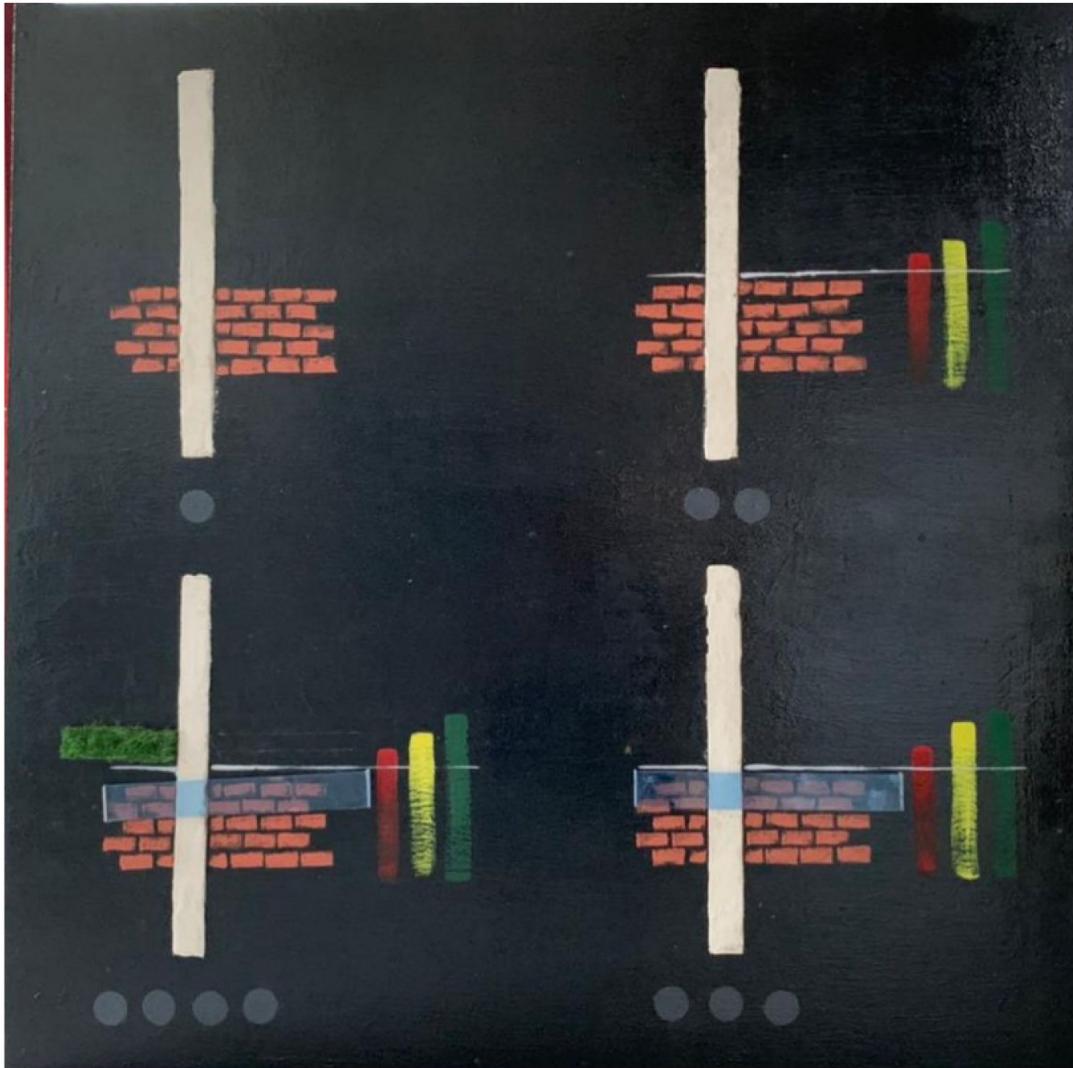
Azadi ka Amrit Mahotsav celebrated pan India with various activities and exhibits being set up to commemorate 75 golden years of Indian independence. As an architecture student, it was my honour to be able to contribute to the same by participating in the team for a 70 model exhibition that the students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



Documents of Punjab and Haryana High Court, Chandigarh



## 04. MURAL



### 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.

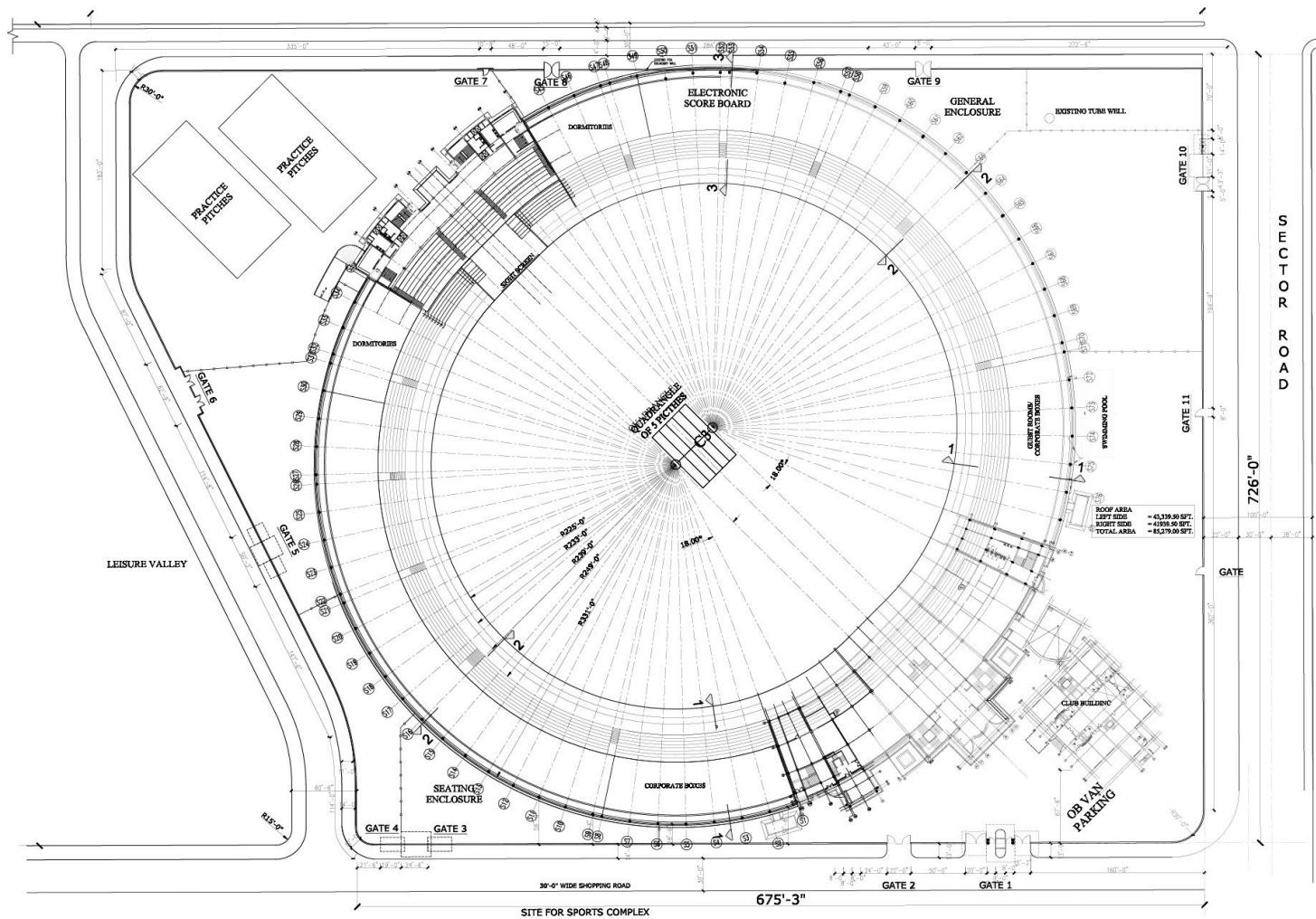
**Free Plan:** Reflected in the open layout, which is not restricted by load-bearing walls, allowing for flexible use of space.

**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.

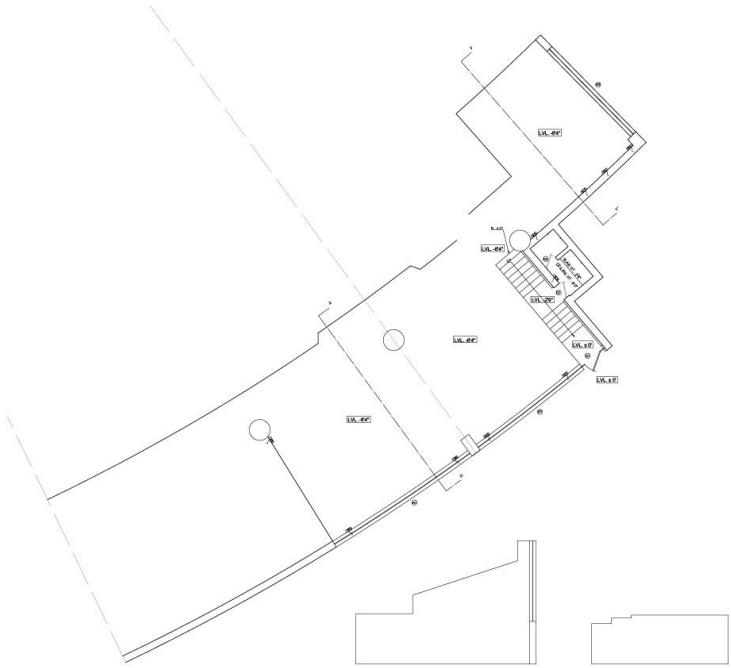
**Roof Garden:** Symbolized by the rooftop greenery, creating a usable outdoor space and reconnecting the building with nature.

## 05. DOCUMENTATION



PCA Stadium, Mohali, Punjab, India

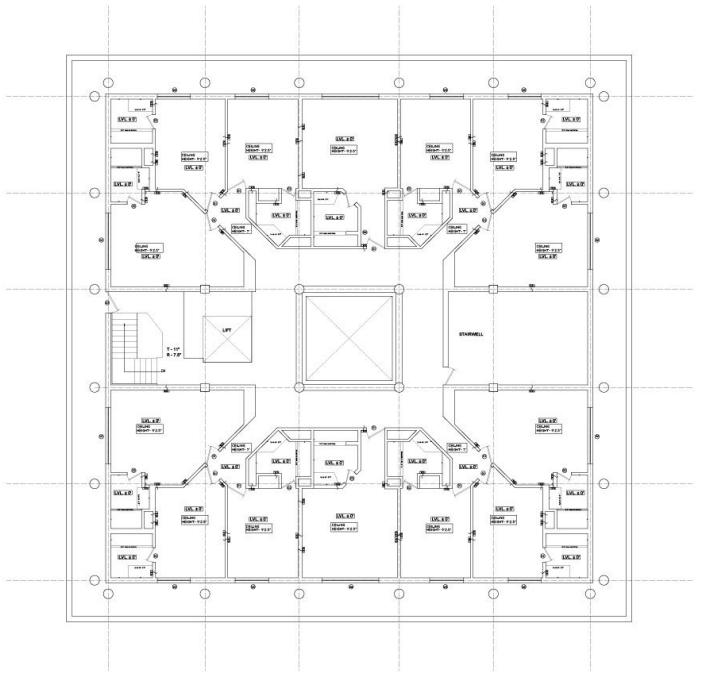




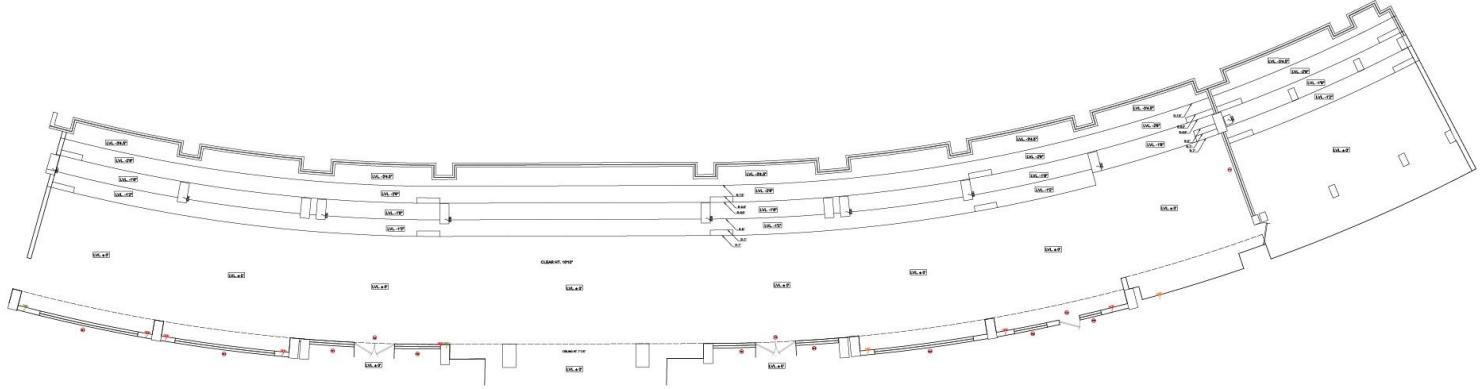
Club members gymnasium plan

Section XX'

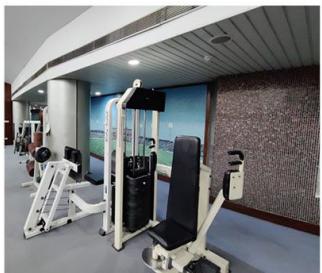
Section YY'



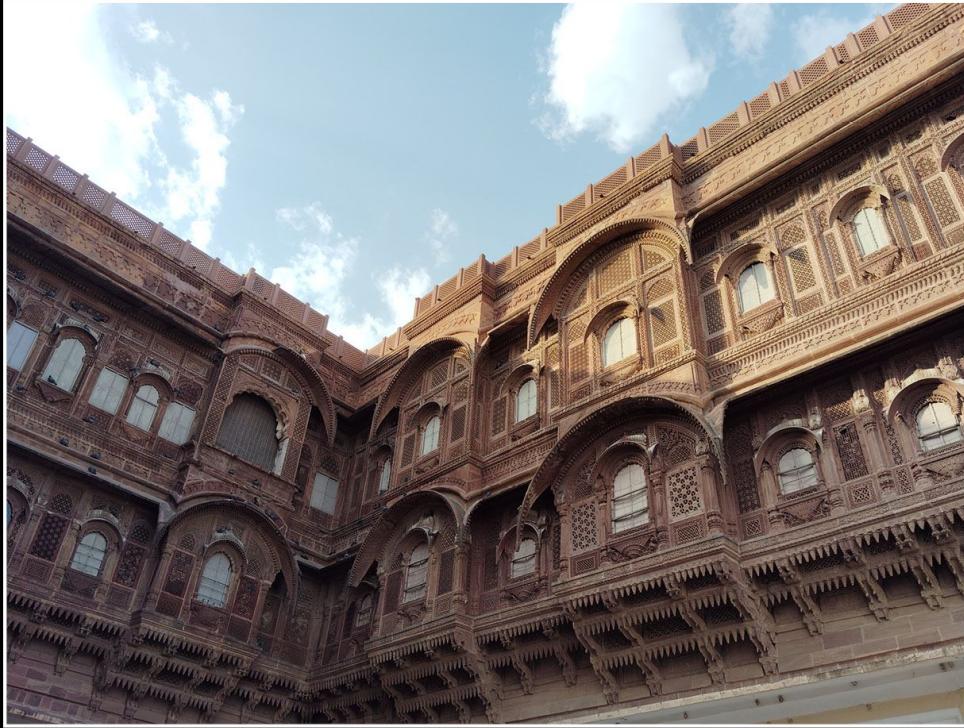
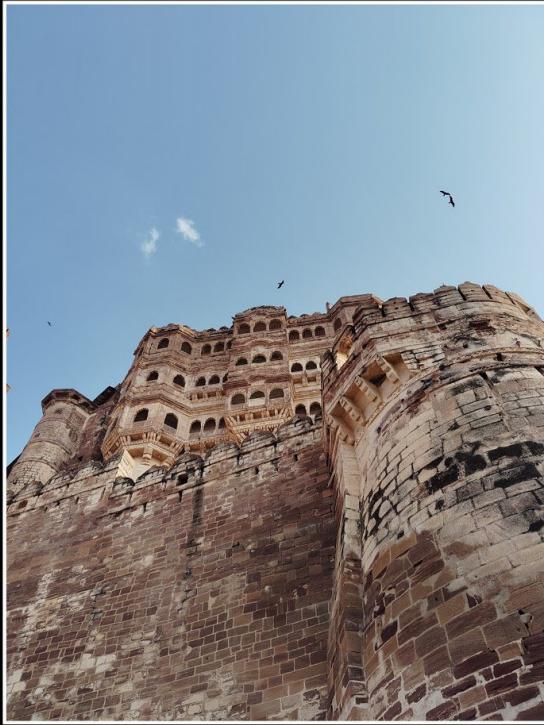
Guest house

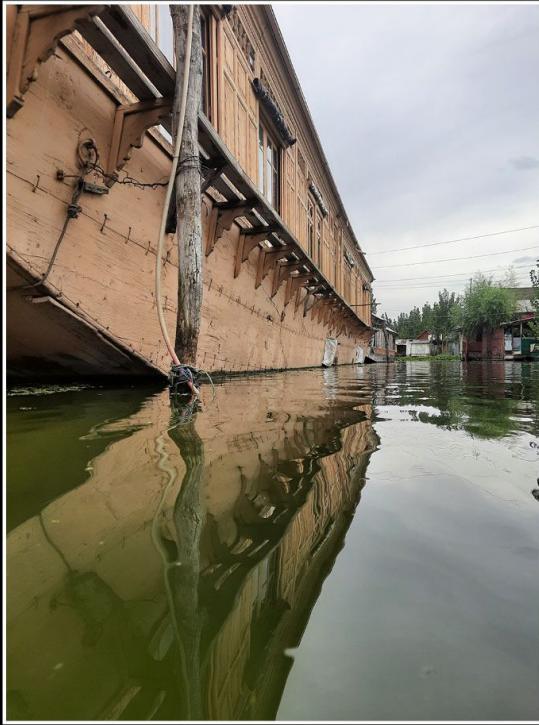


VIP lounge

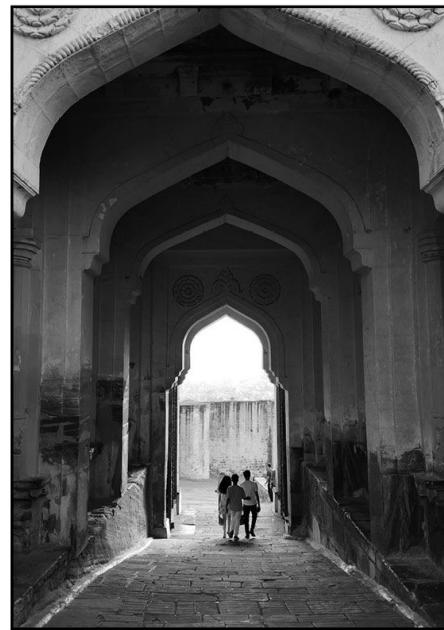


## 06. PHOTOGRAPHY





## 07. PHOTOGRAPHY B&W



## 08. ART WORKS



