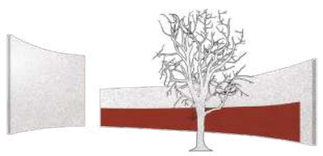
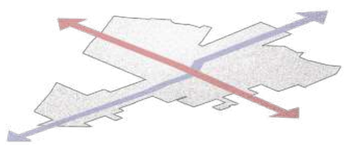
Selected Works / **Bhavya Gaur**



01

**HIVE :
YOUTHLINK HUB**



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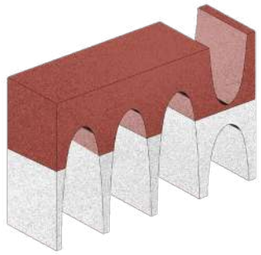
**WELLNESS
TOWNSHIP**



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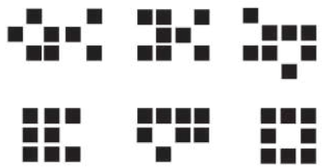
**RAJAN
HOUSE**



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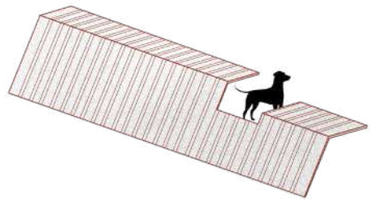
**INSTITUTE OF
INTEGRAL EDUCATION**



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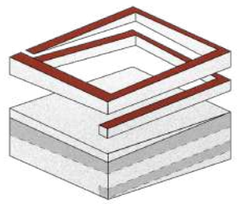
**FELINE & FOSTER
CARE CENTER**



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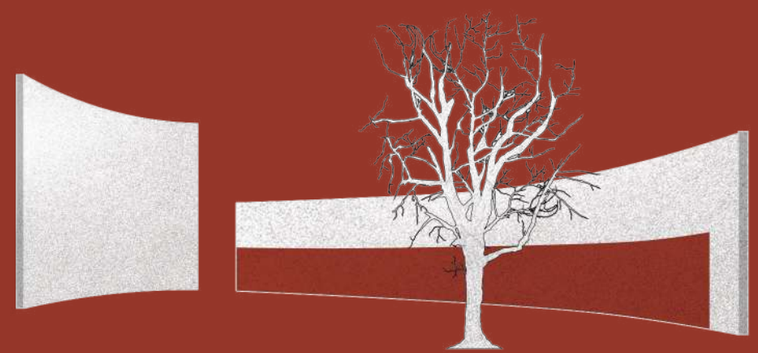
**CONCERT HALL : UIA
COMPETITION**



01 HIVE

Hive is a multi-functional, self sufficient youth hub designed for the Auroville youth. It incorporates my experiential insights of living & working in Auroville into the design responding to the infra-structural challenges faced by it's youth

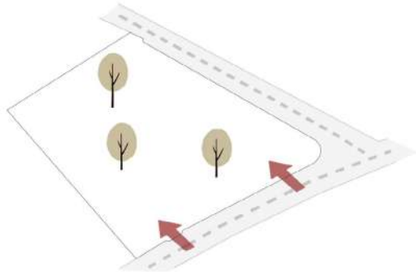
Location	Auroville, India
Year	2017
Area	5 Acres
Type	Academic Thesis
Role	Designer

HIVE

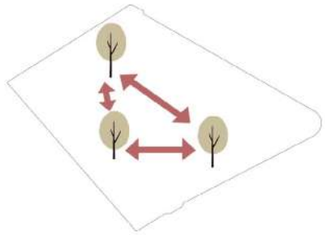
AUROVILLE : YOUTHLINK HUB

HIVE is aimed to support the dynamic social values of the Auroville youth, providing versatile spaces that encourage collaboration, creativity, and communal interaction. My process began by reflecting on my own experience living as a youth in Auroville, the apparent lack of infrastructure and resources supporting the youth and their aspirations, spoke of the challenges that the community faced at large.
The campus is designed around the three existing Banyan trees on-site. It consists of Four zones-Convention Center, Co-working Center, Vocational Workshops and Housing. Additionally, the proposal considers sustainable practices, aligning with Auroville's commitment to environmental stewardship.

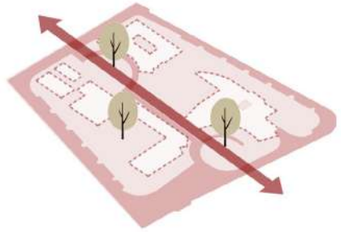
Existing Banyan trees as the focal point for design development



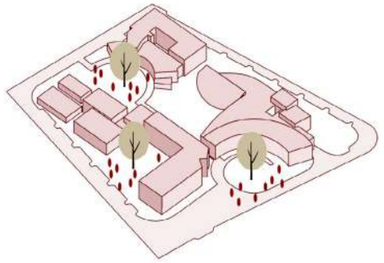
Connecting the Banyan tress with each other to encourage a dynamic exchange



A cycle friendly thorough-fare cutting across the site, connecting it to the city



The building envelops the trees to create three courtyards with distinct character



View of Entrance Courtyard surrounded by shops & gallery spaces, opening the campus up to the public

Site Context : Auroville

Auroville is a small International community in South India with a population of around 2500 people. It started out as an utopian experiment in 1968 and today is a small closed net community engaging in sustainabe living practices.

The Galaxy Plan

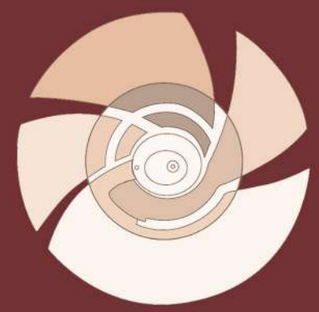
The galaxy design included 4 zones radiating from the Matrimandir international, cultural, residential and industrial zone. Each one would serve different purpose and house different types of activities.

International Zone

The International zone of Auroville radiates out from Matrimandir towards the west. This zone is proposed to be a meeting place for all the cultures of the world; activities here would sow acceptance of Auroville's universality, including conference halls, visitor centers and International pavillions.

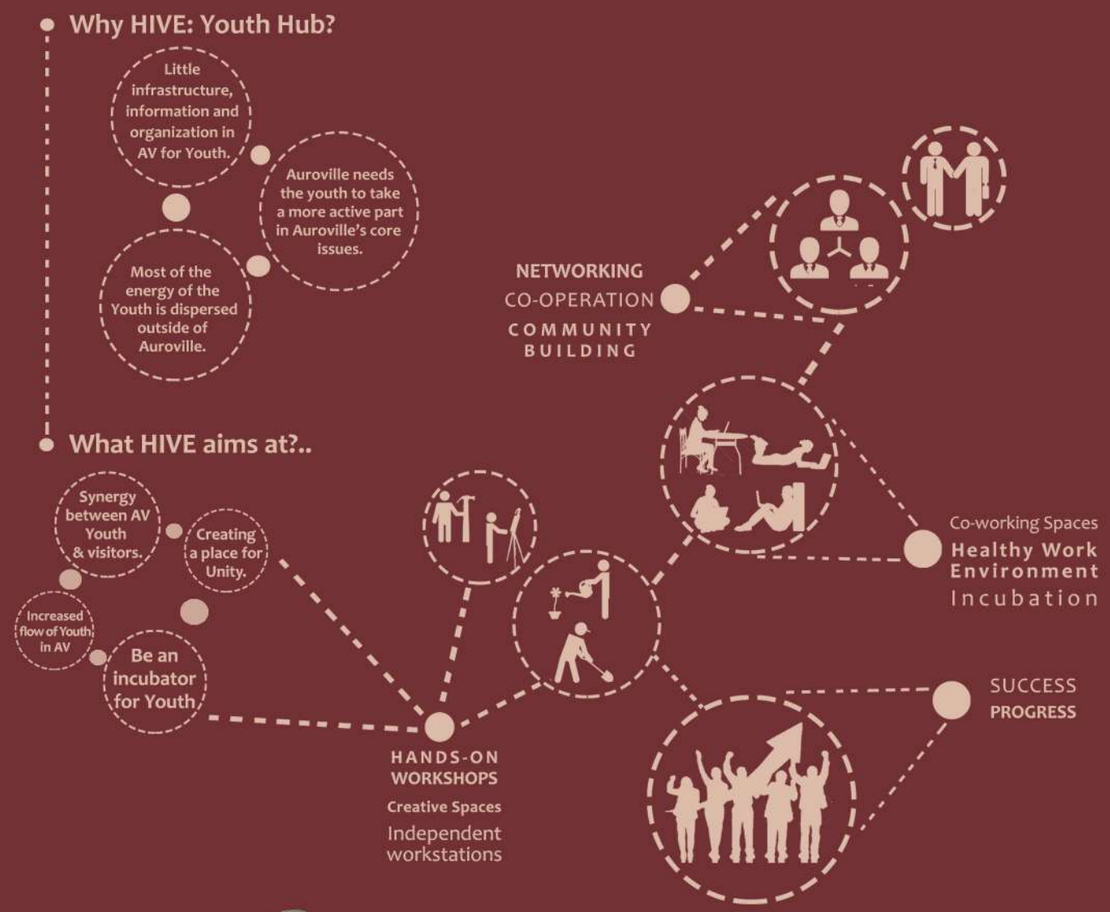
The International zone is concealed as a pedestrian area with restricted access for motor movement. Hive is located in this zone placing it at the heart of the community

Galaxy Plan

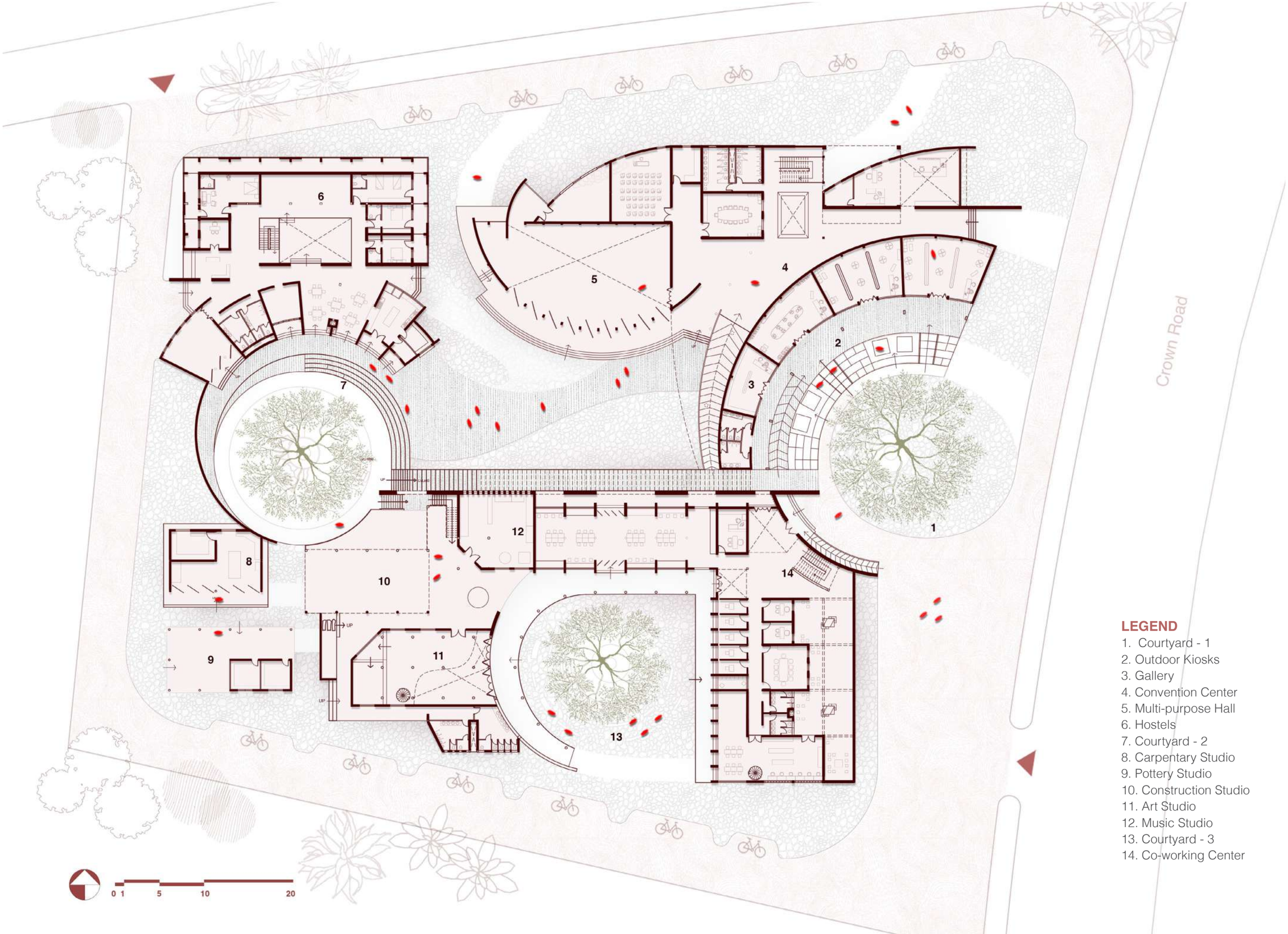


Four Zones

Location of the site
in international zone



GROUND FLOOR PLAN

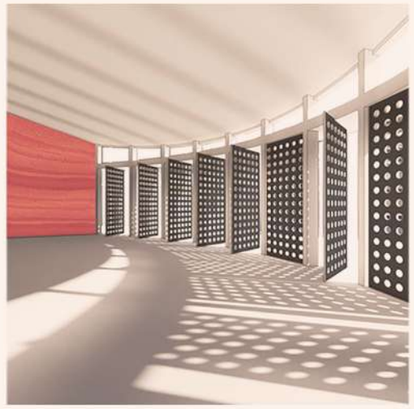


LEGEND

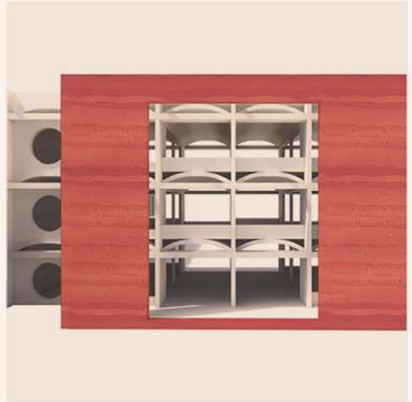
1. Courtyard - 1
2. Outdoor Kiosks
3. Gallery
4. Convention Center
5. Multi-purpose Hall
6. Hostels
7. Courtyard - 2
8. Carpentary Studio
9. Pottery Studio
10. Construction Studio
11. Art Studio
12. Music Studio
13. Courtyard - 3
14. Co-working Center

Material Exploration

The design focuses on integrating alternative building technologies like Ferro-cement, Rammed earth, Brickwall, Filler slabs and Gunna Vault in response to the Auroville's commitment towards environment stewardship



Ferro-cement



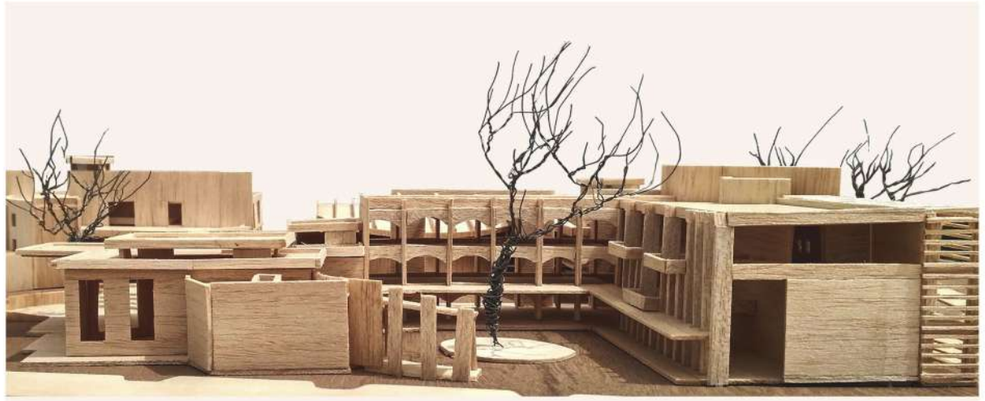
Rammed Earth

Gunna Vault

Filler Slab

View of Carpentary & Pottery Studios with Gunna Vaults as roof

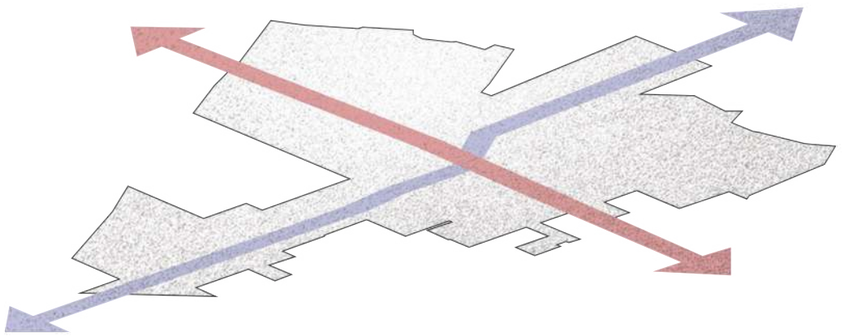
Physical Model



Courtyard 2

Courtyard 1

Courtyard 3



02 WELLNESS TOWNSHIP

A large scale, high density residential township designed in the sub-urbs of Chandigarh city The project includes Master Planning, Landscape & Architectural design of a Commercial Complex, Row-Housing Apartments and Public Buildings

Location	Rajpura, Punjab
Year	2021 - Present
Area	70 Acres
Type	Professional
Team	Unitary Design Studio
Role	Project Manager
Status	In- process

WELLNESS TOWNSHIP

PUNJAB, INDIA

The Township Planning engages with four key ideas of wellness as the basis of it's design development.

- Design for Social wellness : a spatially diverse configuration of commercial, Residential & Public Zones create oppurtunities for social engagement.
- Design for Physical wellness : The plan seamlessly integrates the Road network with a network of pedestrian, friendly Pathways and Parks, making the township walkable
- Design for Intellectual & Spiritual wellness: the Surya & Suma axis foster connectivity to the Art of Living Ashram & the larger city around
- Design for Robust Adaptation: Planning integrates Bio-Climatic Design principles to support Robust adaptation inface of climate change

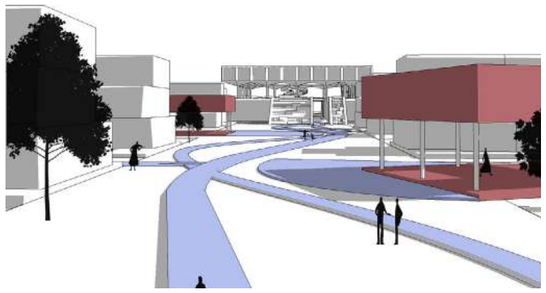
Design for Social wellness

Design for Physical wellness

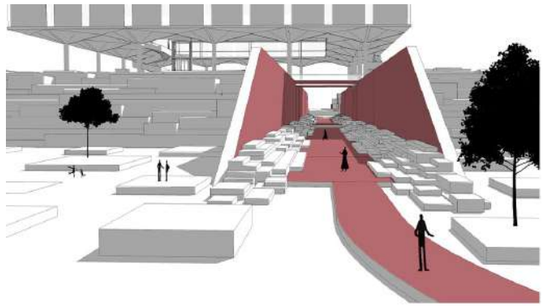
Design for Intellectual & spiritual wellness

Design for Robust Adaptation

Urban Design Interventions

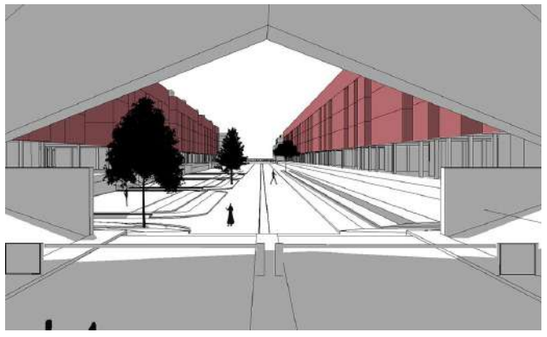


Public amenities like creche, fitness center, etc converts the pedestrian park a multi-purpose domain

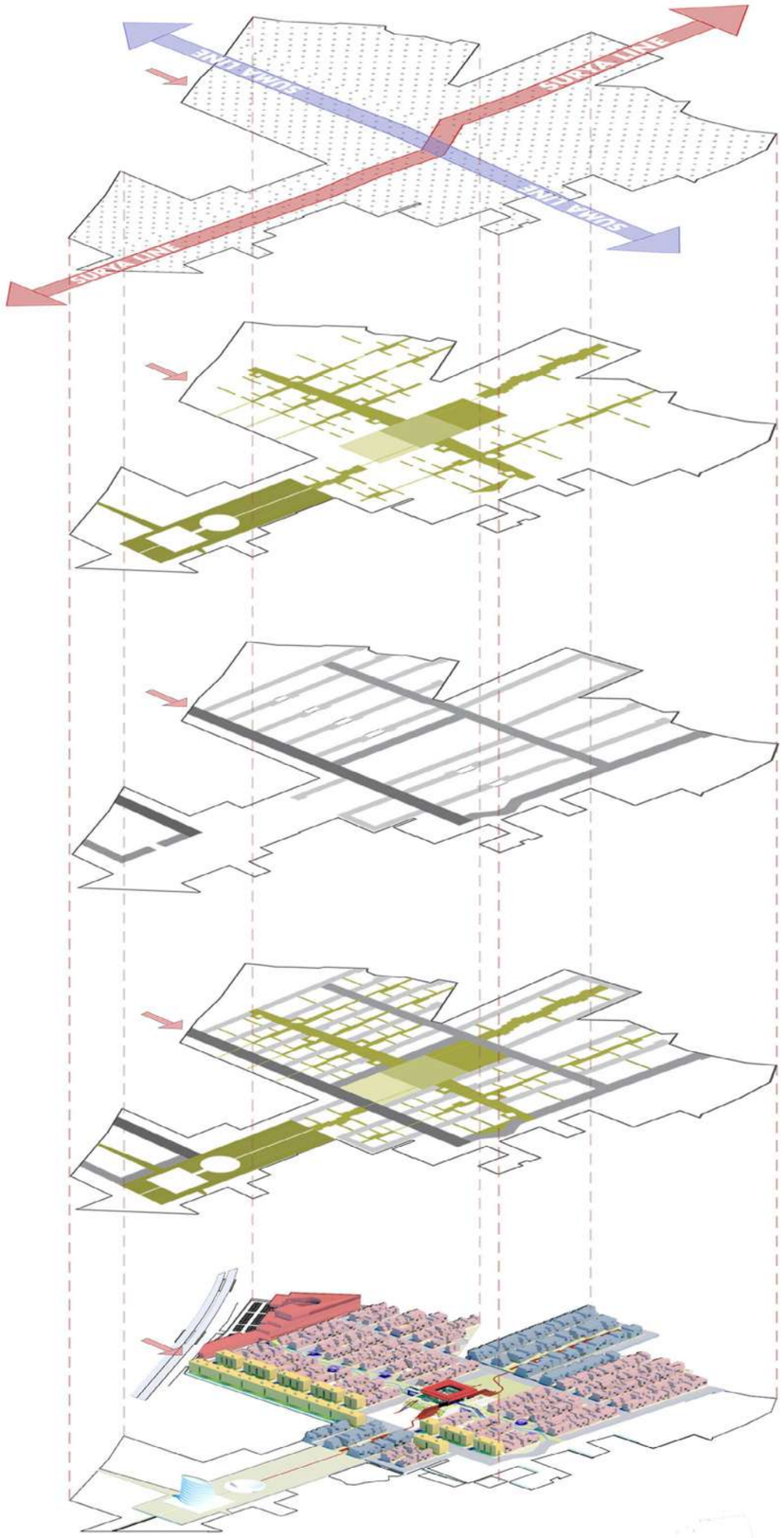


The Surya line (East-west axis) cuts through the public building to create through pedestrian movement

Innovative typology of row-housing with shared green corridors provides a safe network of pedestrian pathways connecting to the public amenities



The main street is lined with Apartment buildings to create an urban character, enhancing the visual identity of the township



SURYA & SUMA AXES

- Surya line
- Suma line

GREEN NETWORK

- Organised Green : 19,107.1 sq m
- Unorganised green :15,884.7 sq m

ROAD NETWORK

- Main road : 80ft (24.4 m) wide
- collector road : 60ft (18.3 m) wide
- internal road : 40ft (12.3 m) wide

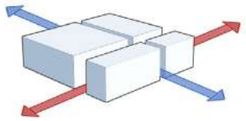
GREEN & ROAD NETWORK

- Upper green plaza : 6400 sq m
- Lower green plaza : 5791.1 sq m

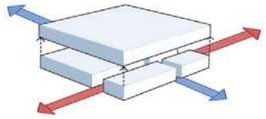
BUILT USE

- Commercial
- Apartment
- Row-housing
- Prime housing
- Club house

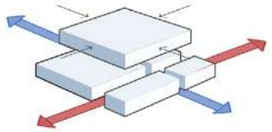
Public Building
Design Development



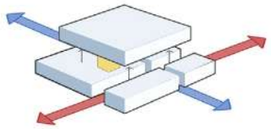
The public building at the intersection of Surya & Suma axis



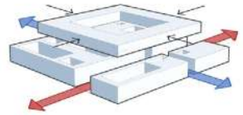
Creating a multi-level building with a suspended plaza in the middle



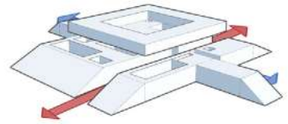
A smaller upper level allowing adequate sunlight on lower levels of the building



The different levels are connected with service cores to fascilitate vertical connectivity

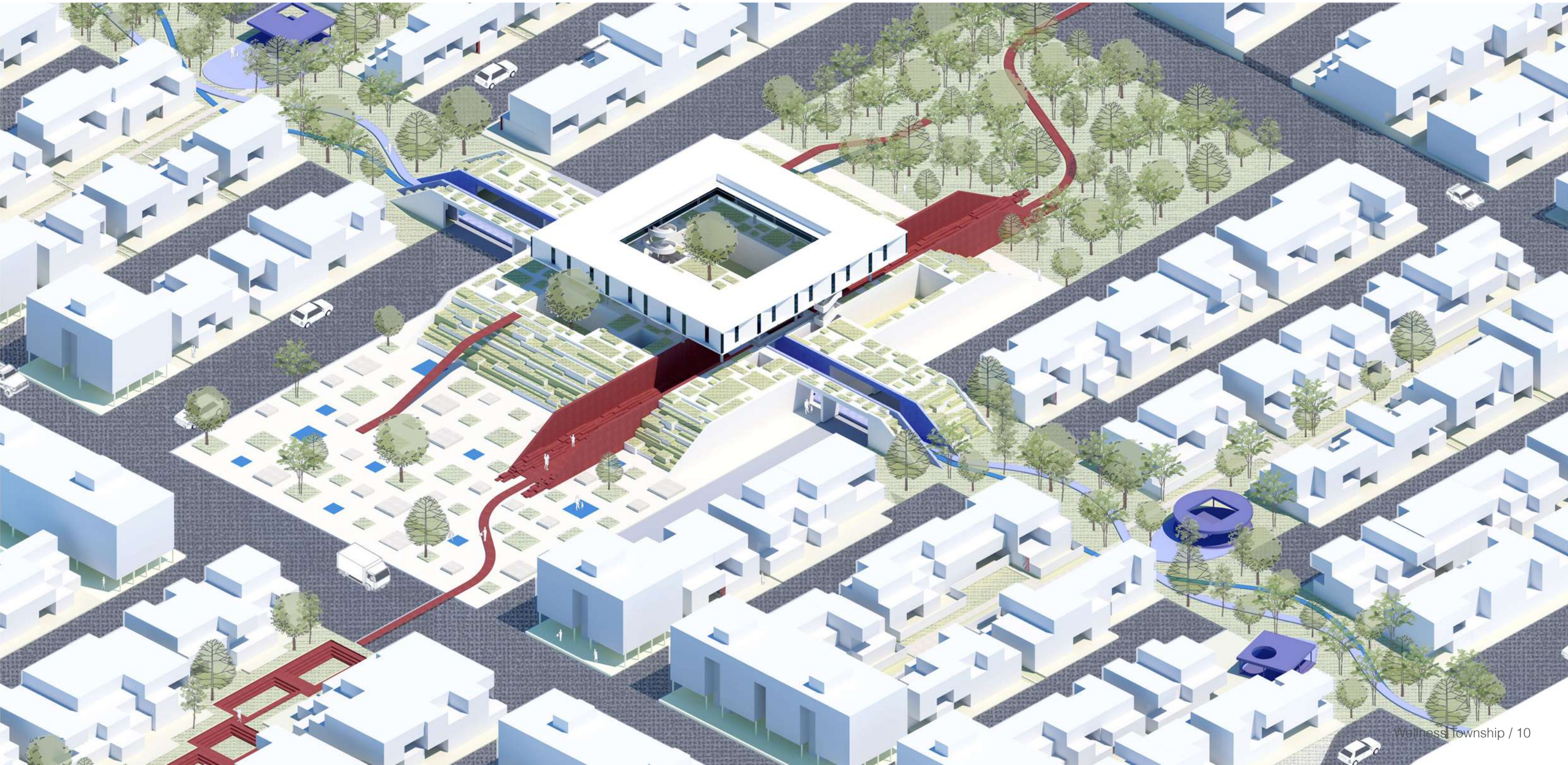


Punctured Courtyards as light and ventilation wells also enhancing visual connectivity



Stepped landscape climbing to the public building blurring the lines between lanscape & built form

Arial View of the public building at the center of the township serving as a junction of the Surya & Suma Axis

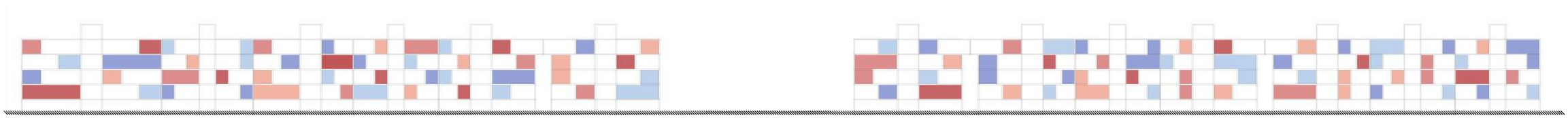


View of the Upper Landscape Plaza

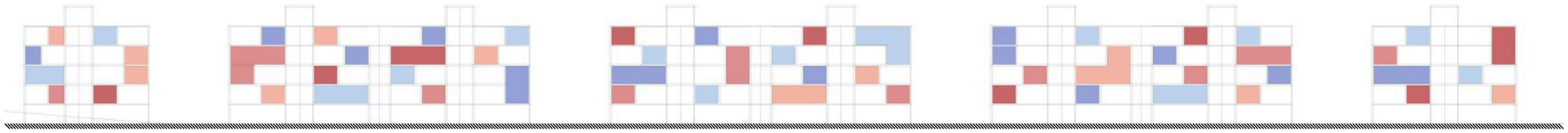
View of the Public Building from the Main street

The public building is designed as a multi-level built space. With a Upper Plaza suspended in the middle serving as an extension of the Suma axis. The Ground level consists of sports fascilities & the Second level provides spaces for recreational amenities

Row-housing Apartments



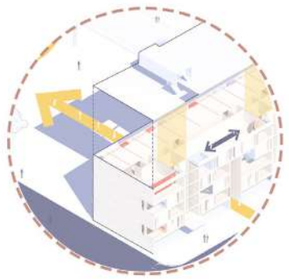
East Facing Apartments



West Facing Apartments

The Apartment building creates a gateway to the trapped shared green between the Row - Housing

Apartments with Diverse Balcony typologies to create a dynamic facade



Two Apartment Blocks share a Service core as a vertical connection

Urban Design Interventions

Row- Housing Apartments line the Main street of the township creating a distinct Urban design character. The facade is an Interplay of diverse Balconies in shades of Blue and Red. The louvred walls in the facade help provide visual privacy while still allowing adequate Light and Ventillation to the spaces.

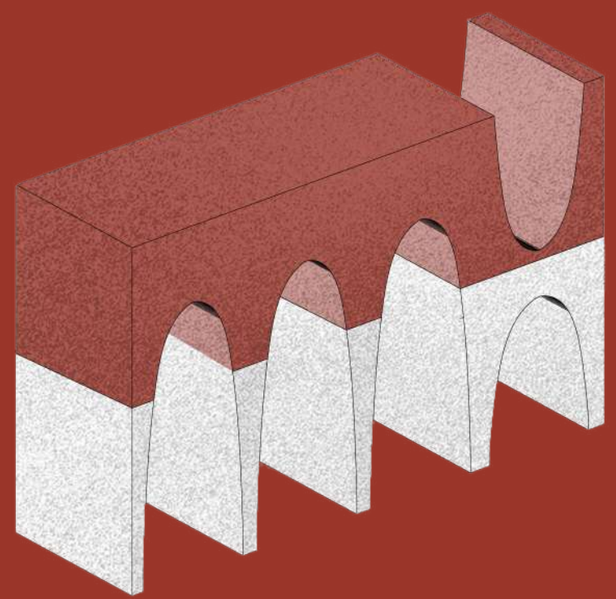
Apatment Layouts

The Row-Housing Apartments consist of 2 BHK, 3 BHK & Duplexes. The Apartments feature an Open Plan Layout with the Living Hall & Kitchen (Public) Oriented the Main street and the Bedrooms (Private) are nestled away from the bustling streetscape

Plan

scale meter

0 1 2 5



03 RAJAN HOUSE

The Project is a renovation of a 30 year old house into a boutique Homestay in the center of Jaipur city. The Design draws inspiration from Old Havelis & Heritage Architectural elements of Rajasthan

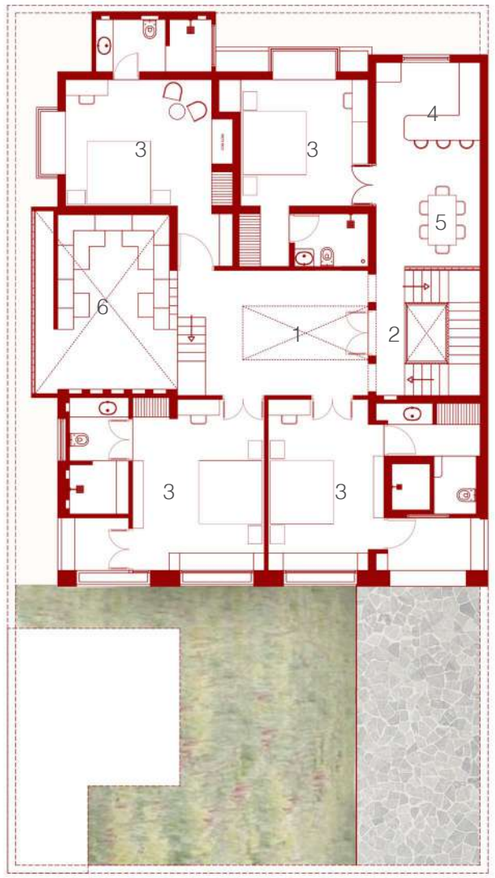
Location	Jaipur, India
Year	2023
Area	2200 sq ft
Type	Personal Practice
Role	Architect & Supervisor
Status	Built

RAJAN HOUSE

JAIPUR, INDIA

Built on the First Floor of an Old House, the project meticulously curates colourful spaces using traditional crafts, Natural materials & Intricately designed details. The facade is created using a composition of Catenary Arches that unify the Old & New parts of the house. The punctured arched windows bathe every room with abundant Natural light and create a visual connection between the Inside & the Outside

First Floor Plan

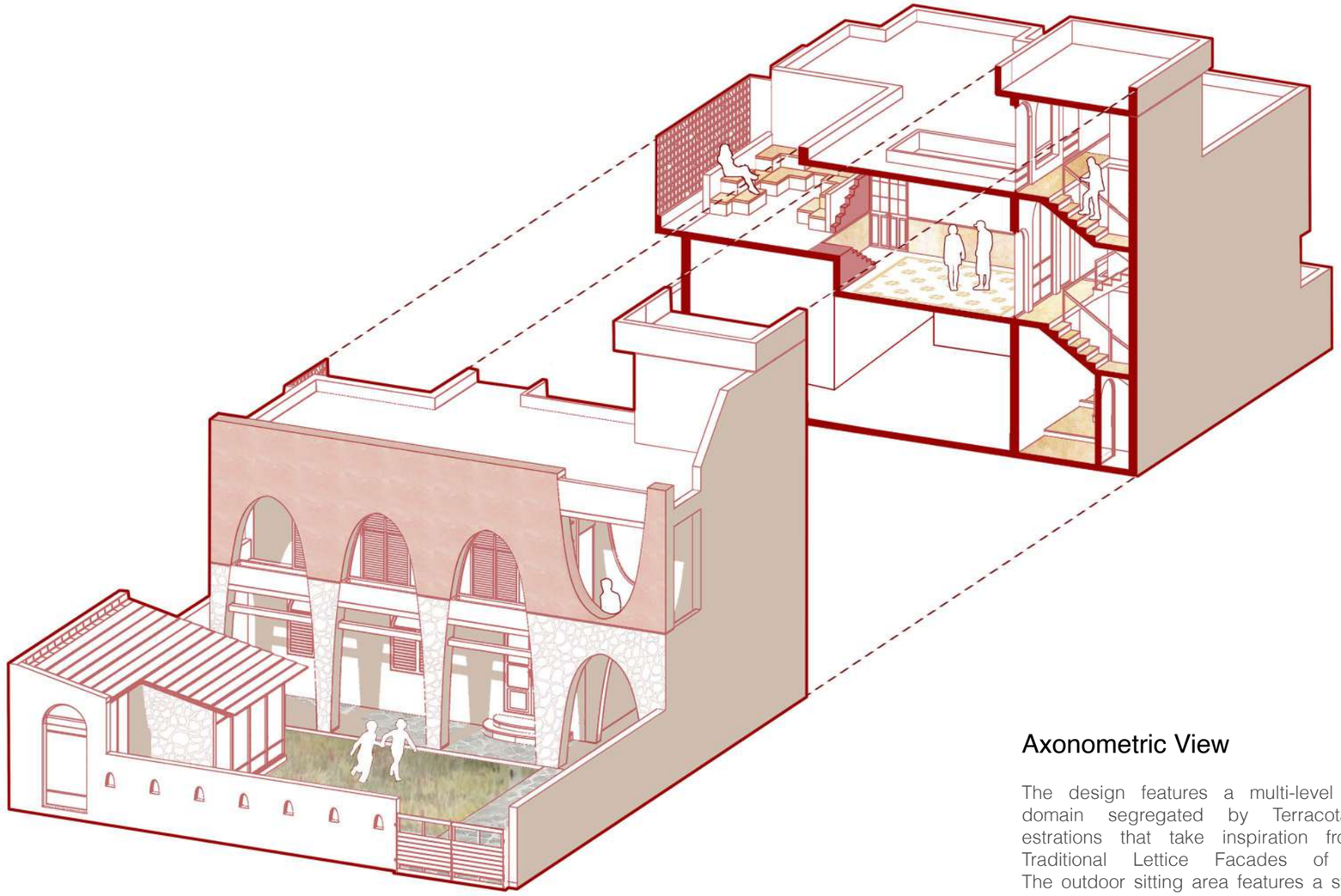


Legend

1. Foyer
2. Stairwell
3. Bedroom
4. Kitchen
5. Dining
6. Outdoor Seating

scale meter

0 1 2 5

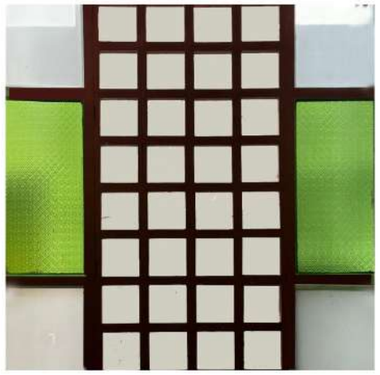


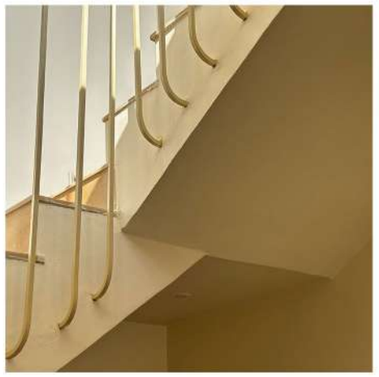
Axonometric View

The design features a multi-level shared domain segregated by Terracota fenestrations that take inspiration from the Traditional Lettice Facades of Jaipur The outdoor sitting area features a stepped-well like design reminiscent of Rajastan's Waterwells

Site Photographs

The Design utilises sustainable finishes like Cement-Oxide, Lime Plaster, Yellow Sandstone, Random rubble masonry & Handcrafted Terrazzo flooring, creating a colourful tapistry of textures & patterns. The Terracotta blocks which creates a visually permeable seperations is used consistently through out the different spaces adding to the visual language





Completed Project Pictures

Completed Project Pictures

04 INSTITUTE OF INTEGRAL EDUCATION

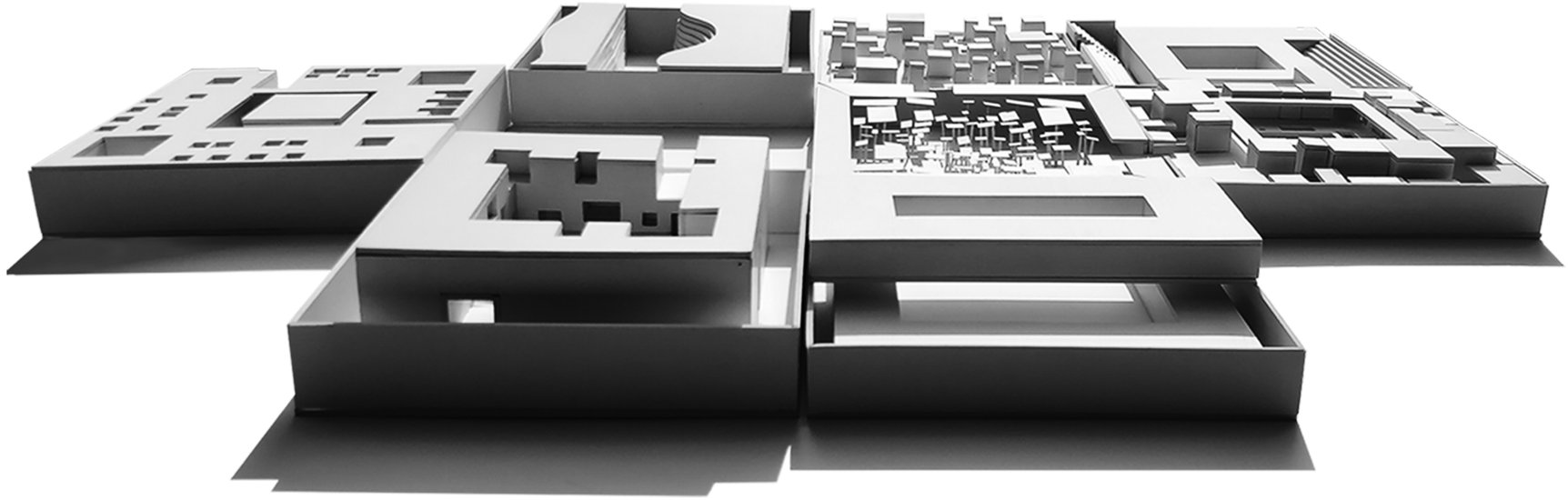
A design proposal for an alternative educational institute in Rajasthan in response to it's cultural context and educational philosophy

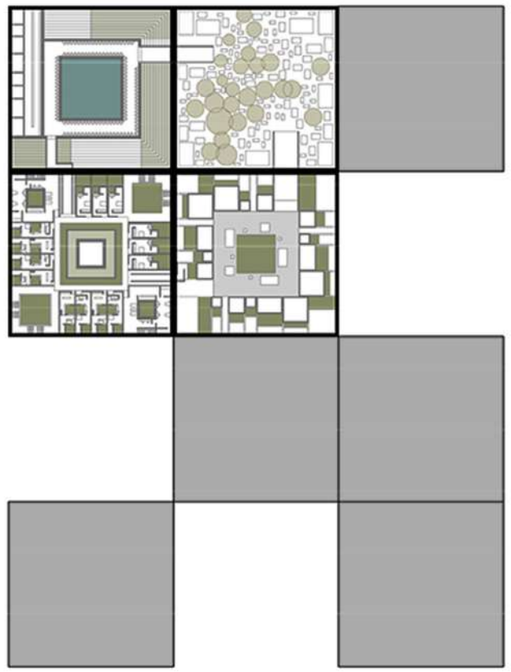
Location	Rajasthan, India
Year	2018
Area	3 Acres
Type	Professional
Team	Unitary Design Studio
Role	Design Development

INSTITUTE OF INTEGRAL EDUCATION

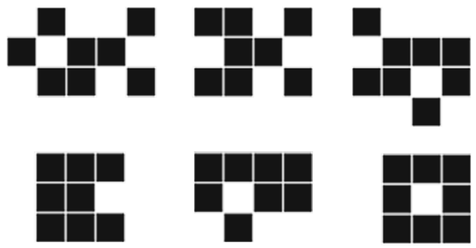
AUROVILLE, INDIA

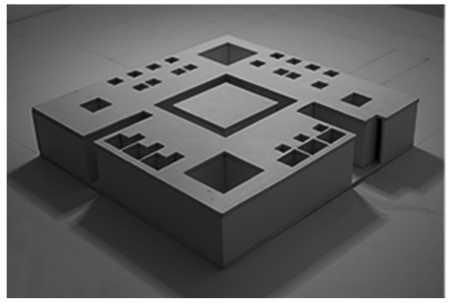
The physical form seeks unity amidst diversity, striving for interconnectedness among its varied elements. Governed by a geometric organization and the golden ratio, it offers a spatial experience that is diverse yet interconnected. These atmospheric spaces are designed to stimulate imagination and foster spatial intelligence. The design explores the relationship between progressive education and its physical environment, with each space's atmosphere tailored to enhance its function. The connections between different zones are thoughtfully designed to reflect their respective privacy levels.

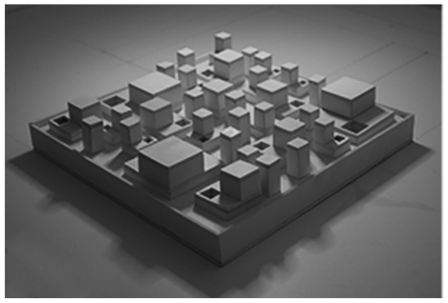




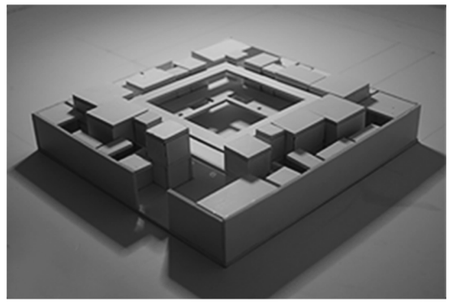
School

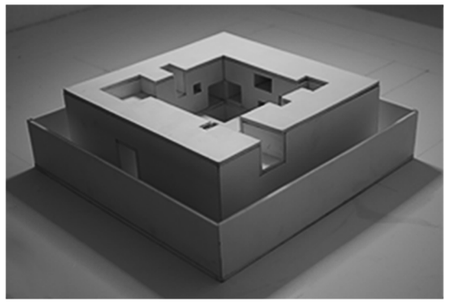


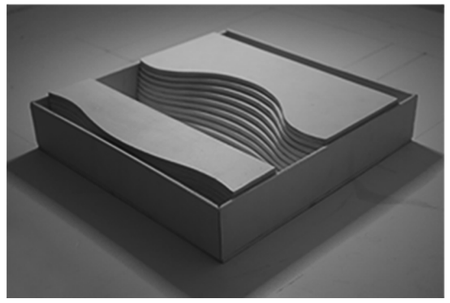


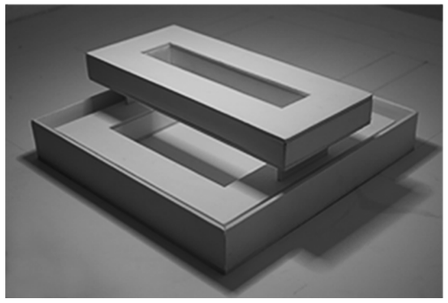


The simple ruling geometrical system allows for flexible yet harmonious adaptation to diverse scenarios of future changes of gross floor areas and program requirements, based on needs.



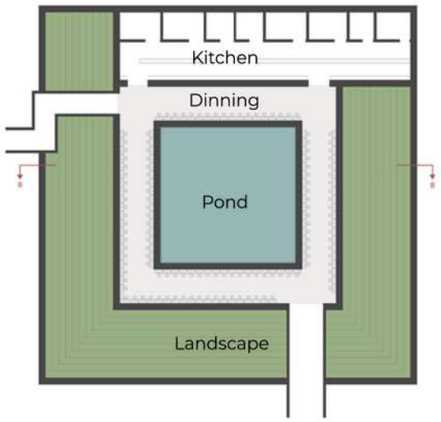


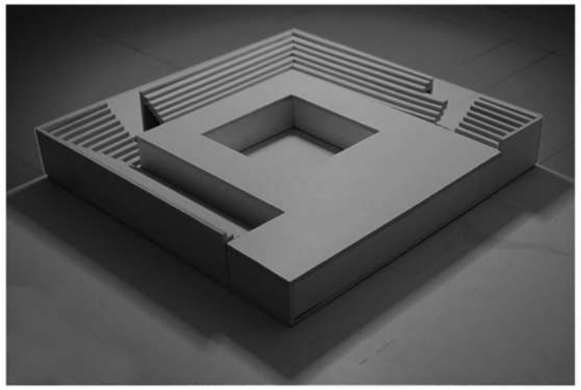


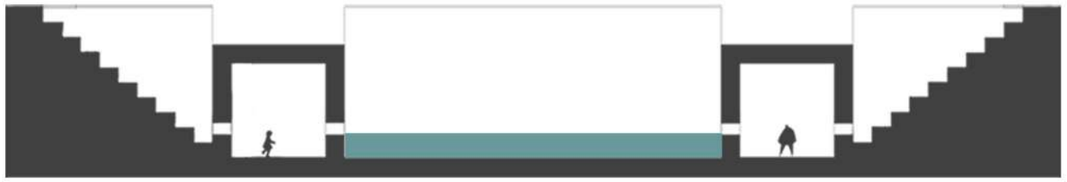


Cafeteria Block

Located in Rajasthan, it is a testament to the use of local, colorful stones that support the core concept of diverse and connected spatial experiences. The use of heavy stone building materials follows bioclimatic design principles of the region, offering high thermal mass and mitigating extreme temperature differences. To aid in this effort, there have been investigations into structural innovations inspired by existing local structural systems, such as steel frames and beams composed with stone walls and roofs, ultimately increasing the use of local craftsmanship.





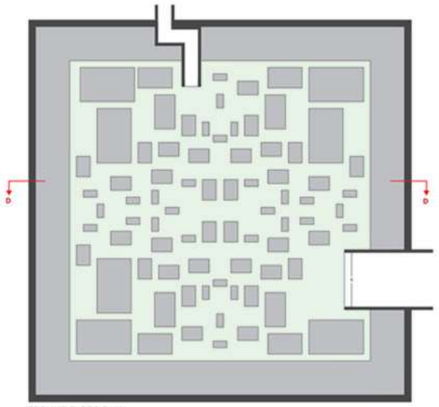


Cafeteria block section showing dining hall surrounded by water & Landscape on either sides

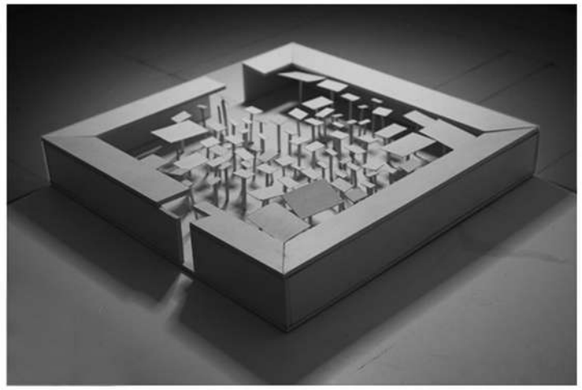
Detailed physical model fabricated using stones and stainless steel sections prototyping design and structural system

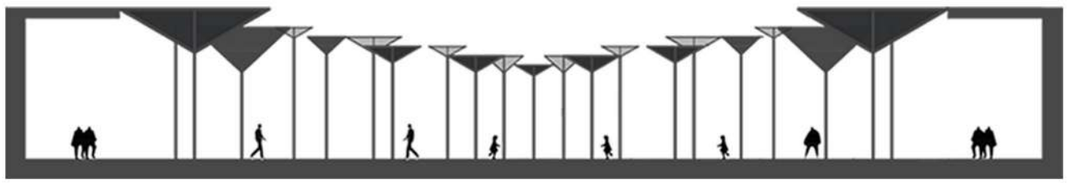
Forest Plaza

Reviving new life into the age-old tradition and contemporary concept of the columned hall, we envision it as a versatile open space that fosters a variety of uses. The design of this semi-outdoor space, bathed in gentle shade, serves as an exemple of a climate-conscious educational plaza.

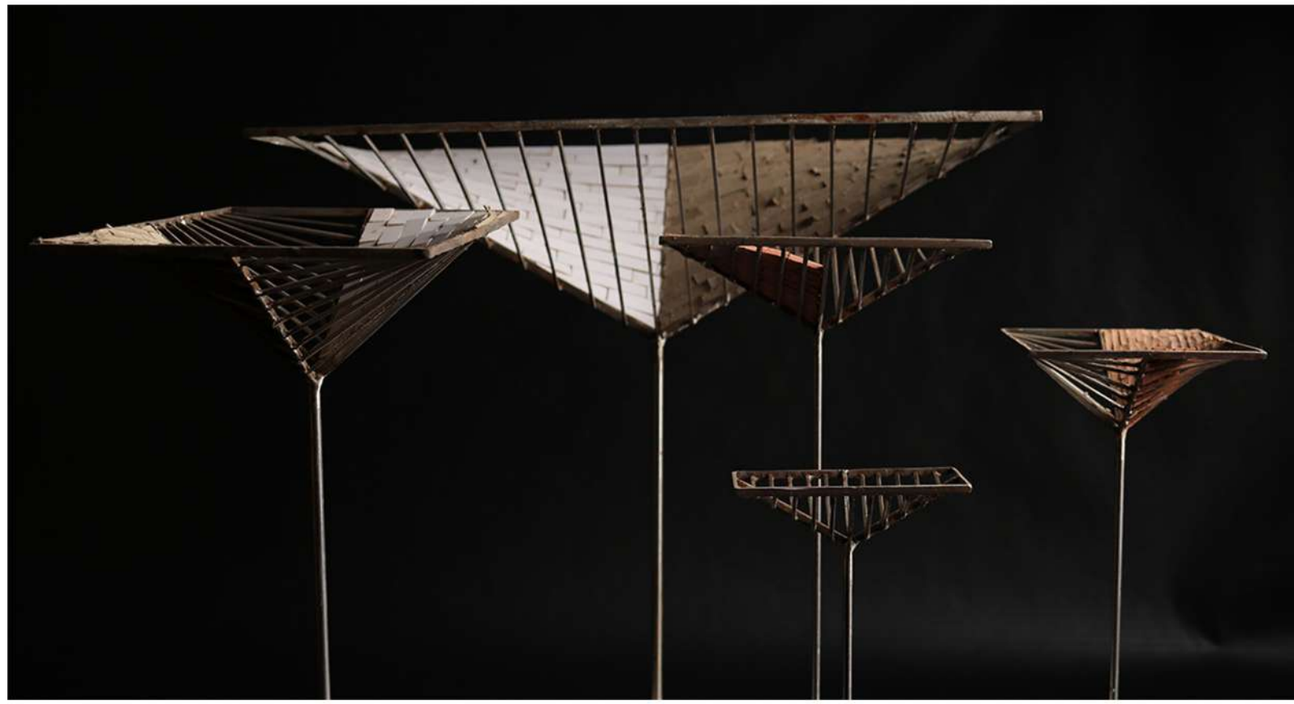


GROUND FLOOR PLAN

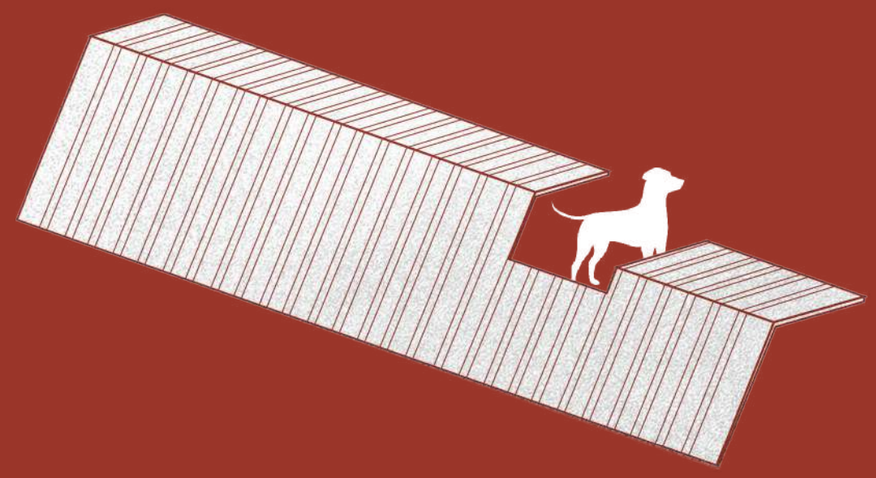




Forest plaza section with hyperbolic umberella structures creating a semi shaded learning space



Detailed physical model fabricated using stainless steel sections prototyping hyperbolic paraboloid tree-like structures



05 FELINE & FOSTER CARE CENTER

Treatment and care centers designed and implemented for an animal welfare charity optimising available funds by utilising low-cost building techniques

Location	Help in Suffering, Jaipur
Year	2021
Area	1400 sq ft
Type	Personal Practice
Role	Designer & Construction Manager
Status	Built

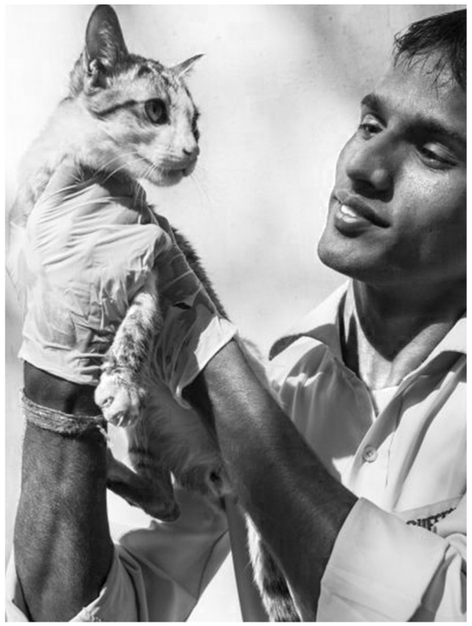
FELINE & FOSTER CARE CENTER

HELP IN SUFFERING, JAIPUR

In early 2020 , as a Communication designer and Organiser for Help in Suffering (HIS), an animal welfare charity in Jaipur, I supported the organization's fundraising and awareness efforts through Outreach initiatives and community engagement through Art -based projects.

I continued my collaboration with HIS by designing and building a Feline and Foster Care Center with budget constraints. I collaborated closely with the HIS team to optimize the design for both animals and care givers

With the HIS team at the Foster care center inauguration



Cement Oxide Pigments

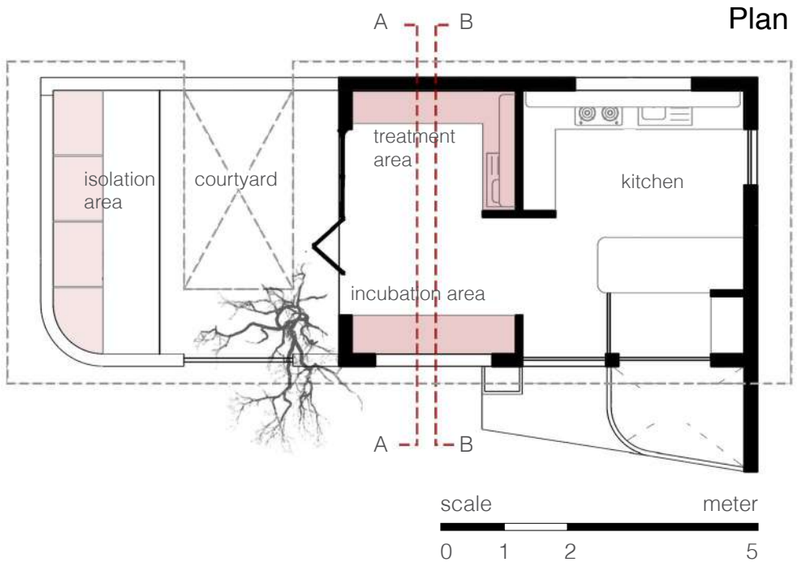
Working with local artisans to create a custom oxide-mix for floor finish

Feline care center: Oxide flooring & Play area repurposed from dead tree on-site

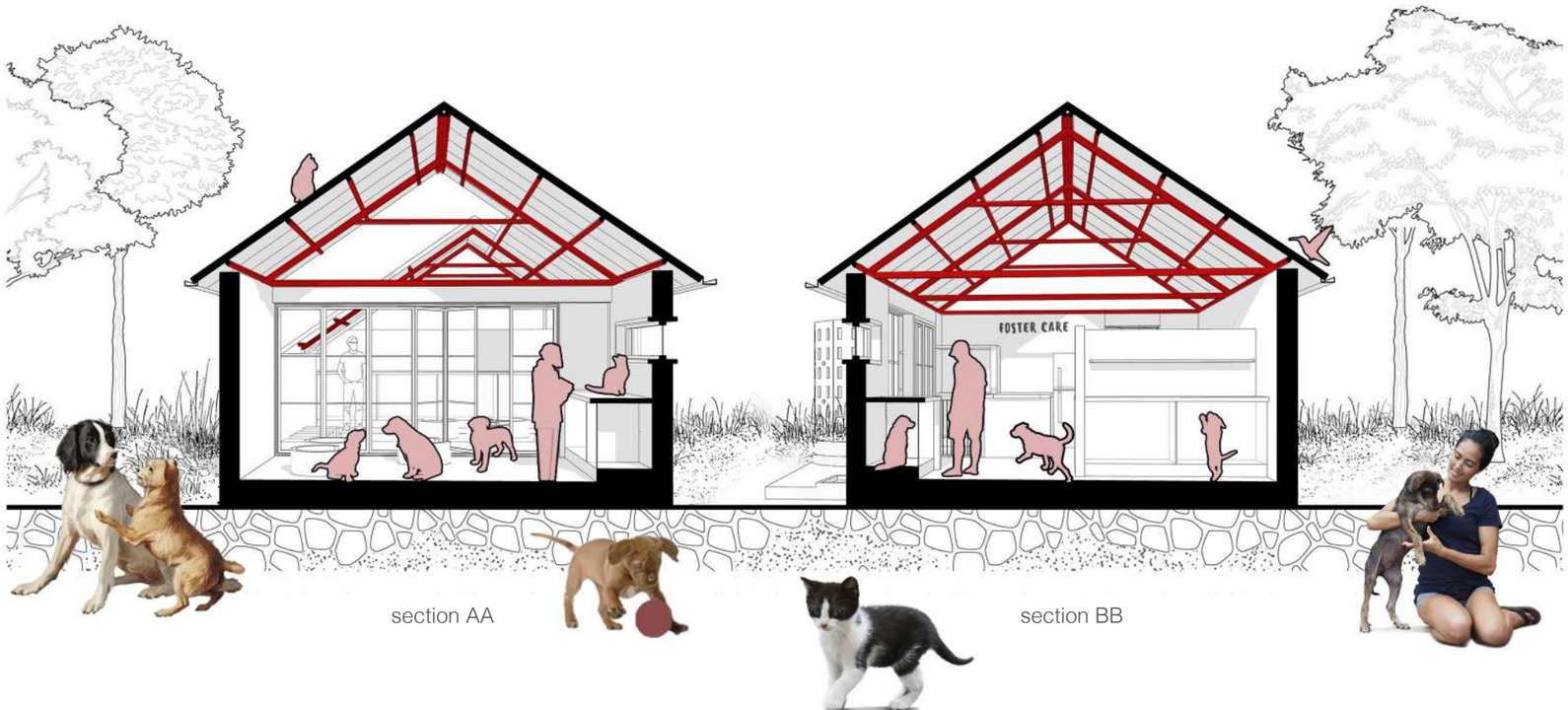
Plan, Section & Site Pictures

The structure has a high pitched roof oriented to the East and West divrection with windows placed on either side to bring in the morning and evening sun. The form is such that it encompasses a closed air conditioned space for the animals and an outdoor sheltered area which can act as a quarantine space for animals.

Ample amounts of counter space has been provided which gives the volunteers an opportunity to pursue the space however they deem fit, with a designated under counter space for cages. Generously sufficient space for cooking, washing and storage is provided which can accomodate incubators and other equipments



Site photographs capturing the raw, unfiltered progress of the Foster Care Centershowcasing the assemblage of arches, metalic roof truss & rafters



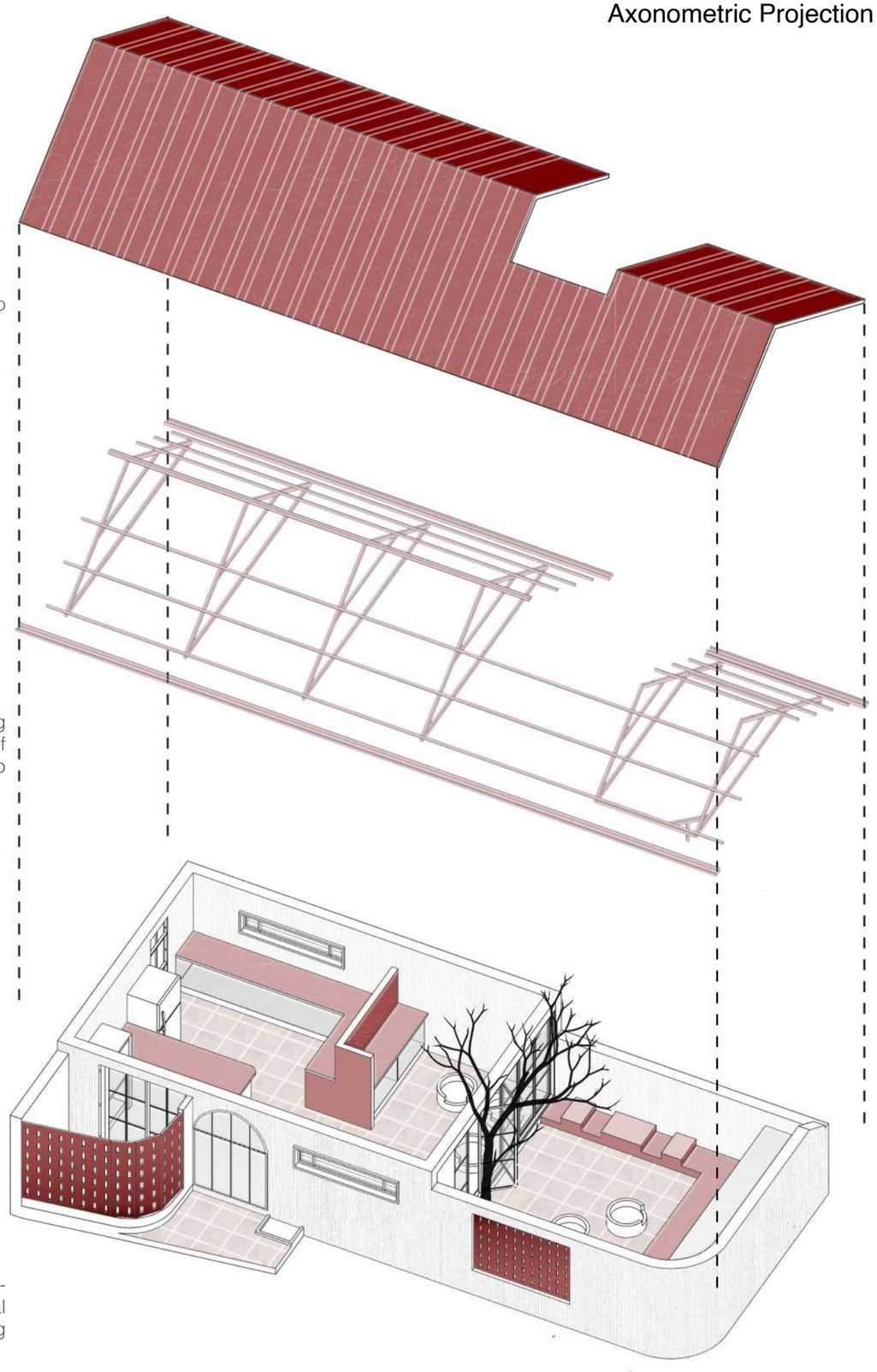
Design Strategy

The shelter's design is centered around the desire to interact with the outside while keeping the animals safe from contamination. The use of arches, curves, and high ceilings helps to humanize the space and create a soft, stimulating experience for the puppies and small animals. The design also incorporates a spatial hierarchy within the built mass, with open-to-sky spaces that provide balance.

The courtyard features an existing Lesua Tree and provides a sunny space for animals to play and inhabit during the winter season. Stepwell-like seating has been integrated in a way that it offers an interesting climbing and navigation experience for the animals.

Brick Fenestrations enhancing wind movement and receiving more light

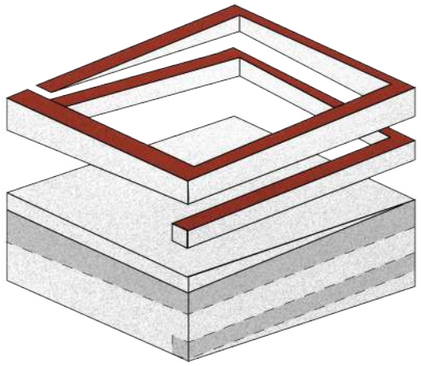
Axonometric Projection



High pitched roof oriented to the East and West direction

Structural system consisting of Trusses & Rafters made of Mild Steels Sections to keep the cost low

The space is calming and inviting, with plenty of natural light and comfortable resting areas for the animals



06 CONCERT HALL : UIA COMPETITION

Design of a Cultural campus in the capital city of Lithuania consisting of two Concert halls, Lounge and Community Spaces with a view of the city

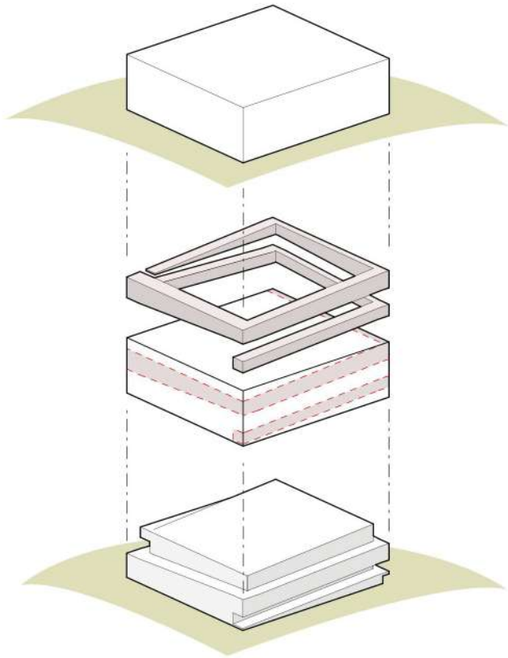
Location	Vilnius, Lithuania
Year	2019
Type	Professional
Team	Unitary Design Studio
Role	Research Design Development & Presentation

CONCERT HALL

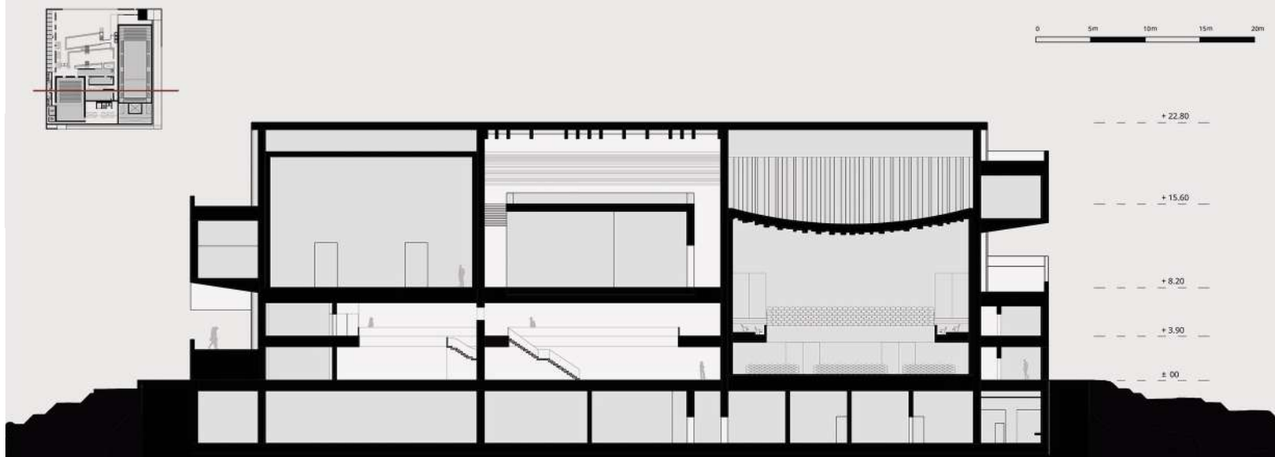
VILNIUS, LITHUANIA

The position of the Tautus Namai on top of Tauras Hill, makes its rooftop a natural city viewing point. The external periphery carved spiral ascends from the top of Tauras hill towards the rooftop city viewing plaza.

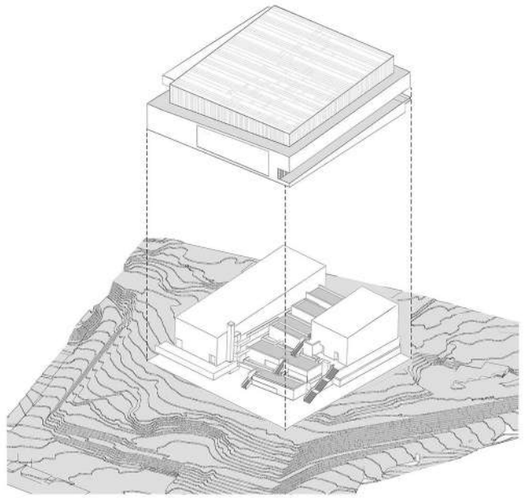
Ascending and descending, visitors would view different parts of the city from different levels. The gentle slope (1:20) allows for the spiral to be seasonally used as an external exhibition space, integral to the house of the Nation. The light spiral carving—ascending of Taurus hill—highlight the Taurus Namai position as a city landmark. The two ascending movements the penetrating linear of the stepped plaza and the surrounding rotational of the external spiral—fundamentally transform the initial cubical nature of the form; now rooted in, growing from, and in harmony with the natural hill, democratically allowing the public to climb over the building, using its multi-levelled internal and external public plazas.



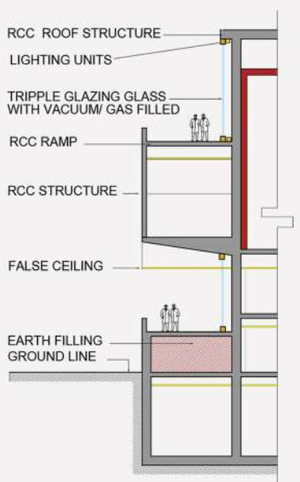
Carved external spiral



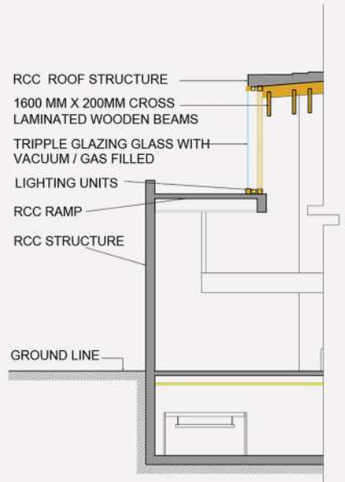
Section through concert hall



Stepped Internal Plaza



Ramp Detail



Roof Detail

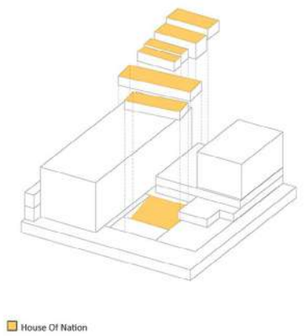
The Stepped Plaza

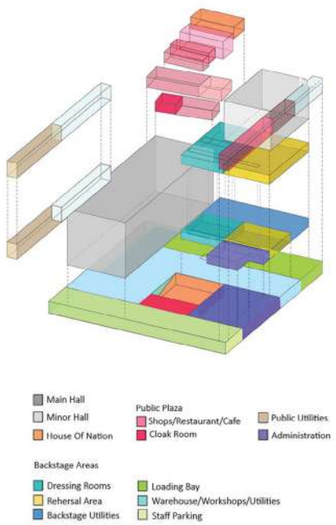
Visitors approaching the new Concert Hall/House of the Nation, ascending the topography of Tauras hill, will observe and experience the continuation of the ascending Hill's natural topography into an ascending architectural topography; a multi-leveled stepped wooden public indoor plaza.

A monumental public glazed entrance wall separates the two related (natural & architectural) topographies. Considering the dominant light conditions of Vilnius, as well as light conditions on the northern entrance facade, a high level of outside-inside visual visibility is expected, assuring the effect of this topographical continuation.

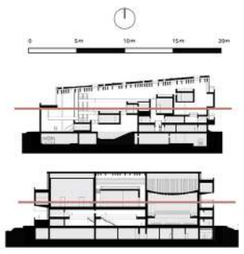
The generous multi-leveled plaza flexibly functions as an integral part of the House of the Nation as well as the Concert hall foyer activities.

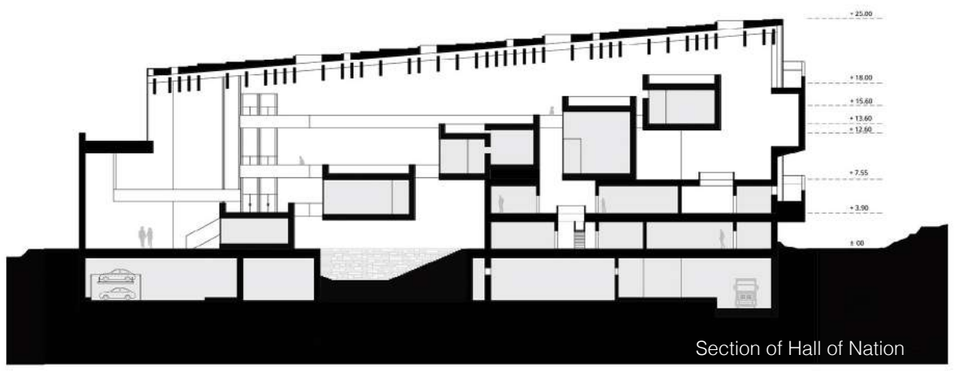
Zoning of the concert hall



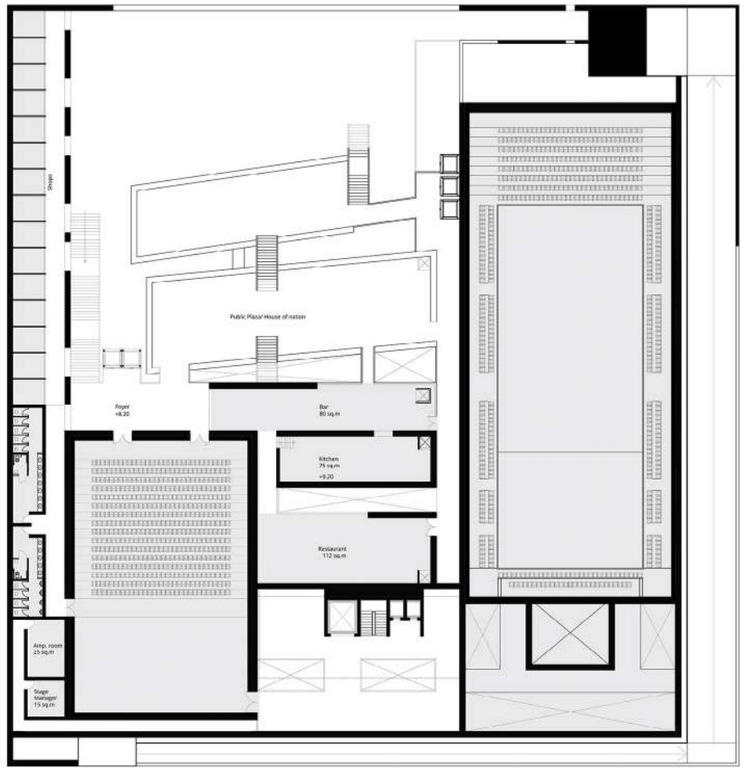


Second Floor Plan





Section of Hall of Nation



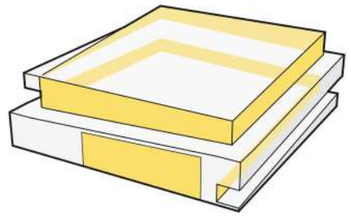
Old Vilnius Experience

For a major part of the year. walking the streets of old Vilnius, we experience the sensual contrast of the atmospheric cold and hot

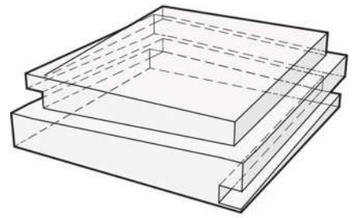
The cold outdoor street, with its black textured stone pavement, surrounded by either white or pastel colored walls; yet looking going through the street level doors, we experience warmth

The House of Nation warm heart of a wooden stepped plaza veneered by the neutral cool white solid, and white translucent glass, evoke familiar favorable feelings; a special experience in harmony with the experience of the old city of Vilnius

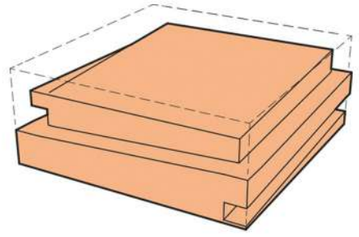
Render at Dusk



Window - Wall Ratio

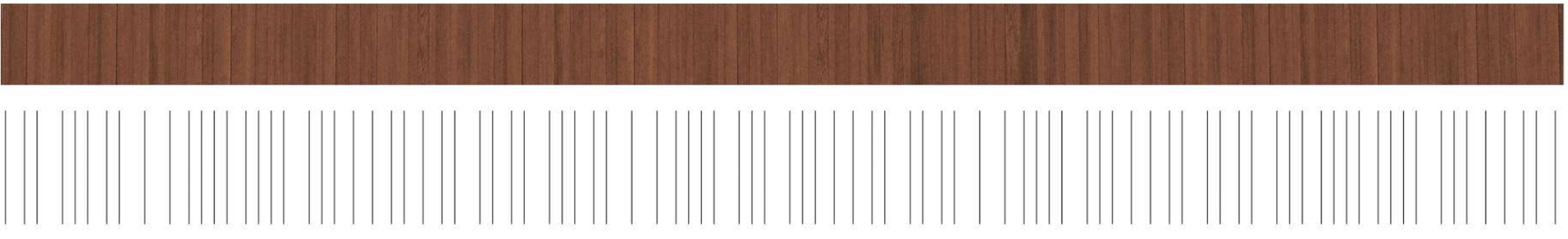


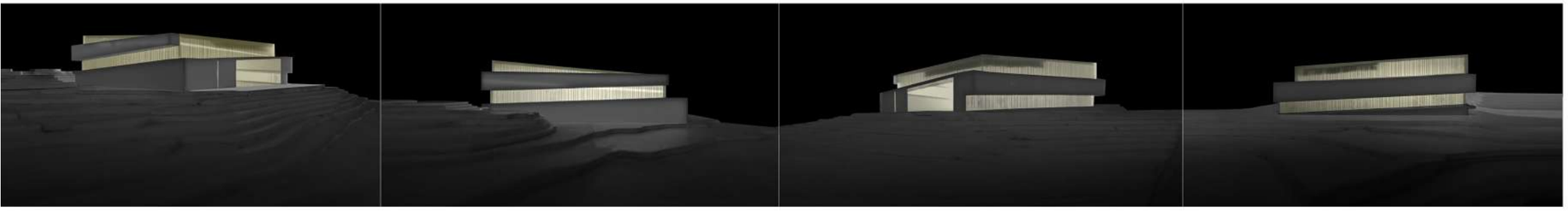
Total
Surface Area : 20,278.9 m2



Total
Volume : 745,976.26 m3
Ratio : 0.0271

Surface to volume Ratio





The harsh winter (cold-extreme cold) climatic conditions of Vilnius demands fundamental environmental design strategies for thermal comfort.

The cubical base geometry veneer of the building is climatically a major advantage (minimum surface for maximum volume), layered with surfaces of low value to maintain the high internal heat gain generated in the public foyers, cafeterias, restaurants,as well as House of Nation.

The roof design and sectional organisation, assures natural light penetrating through most of the functional spaces, with very controlled glazing area, to avoid internal heat gain loss. The well protected pleasant micro-climatic conditions, reduces expected energy consumption.

Session Picture:
Community focused facilitation

arts-based education & community engagement

Balanand Program: Udavi School, Auroville
Year: 2022-23
Role: Facilitator

A pan-india initiative to bring arts-based educational sessions to school students, supported by Prafulla Dahanukar Arts Foundation and Bajaj Electricals India

Through the program, I facilitated 8 sessions to 40 students aged 10-12 years old. The sessions aimed to enhance the student's creative mind and open their imagination to dream of infinite ideas and possibilities and nurture them to become more sensitised to the world, and grow in awareness to impact how they perceive and act in the world positively.
The two hour sessions explored multiple art forms intermodally, such as painting, creative writing, movement, music, and photography.

To continue the efforts to bring Expressive Arts tools in the primary education system in India, I am currently participating in Balanand 2023-24, facilitating sessions at Uday Waldorf School, Jaipur, my home-town.

Bajaj Electricals Ltd.

PRAFULLA DAHANUKAR ART FOUNDATION

swahansa

Session Pictures

movement, music , visual art

Auroville Improv Lab
Year: 2022-23
Improvised Performances at Centre D'Art
& Manifest Film Festival

As an artist, my practice is founded on the ideas of collective-creativity, co-creation, and exchange.
I am part of the Auroville Improv lab since 2022, where I engage in creative expressions through music, movement, drama, and visual arts in a collaborative space.