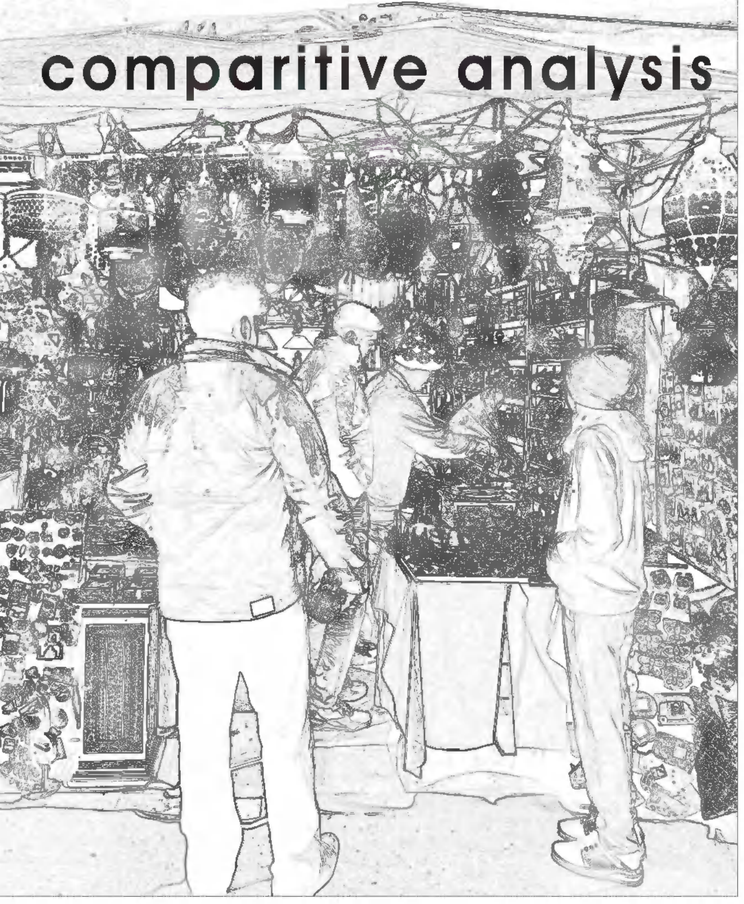
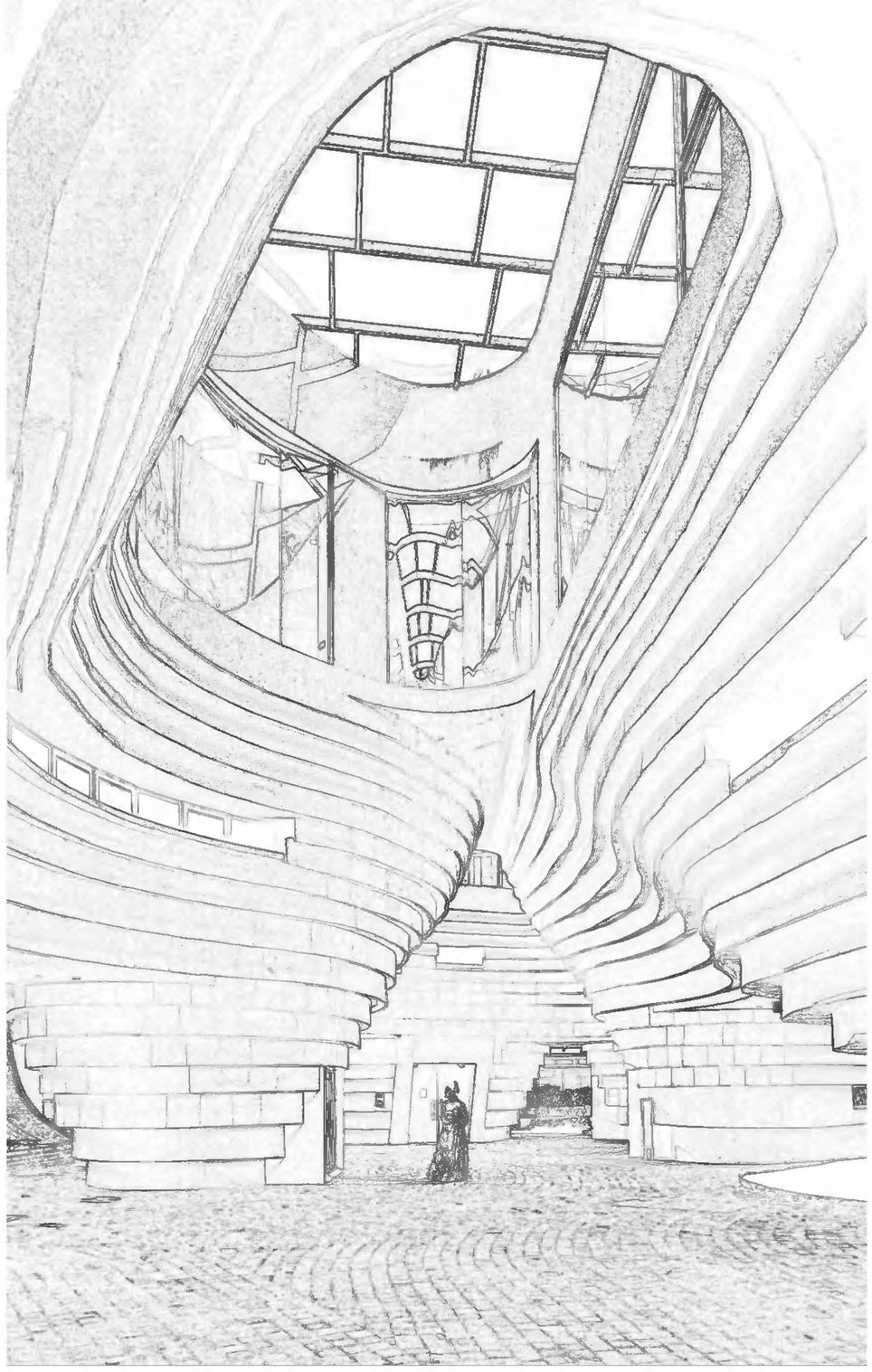
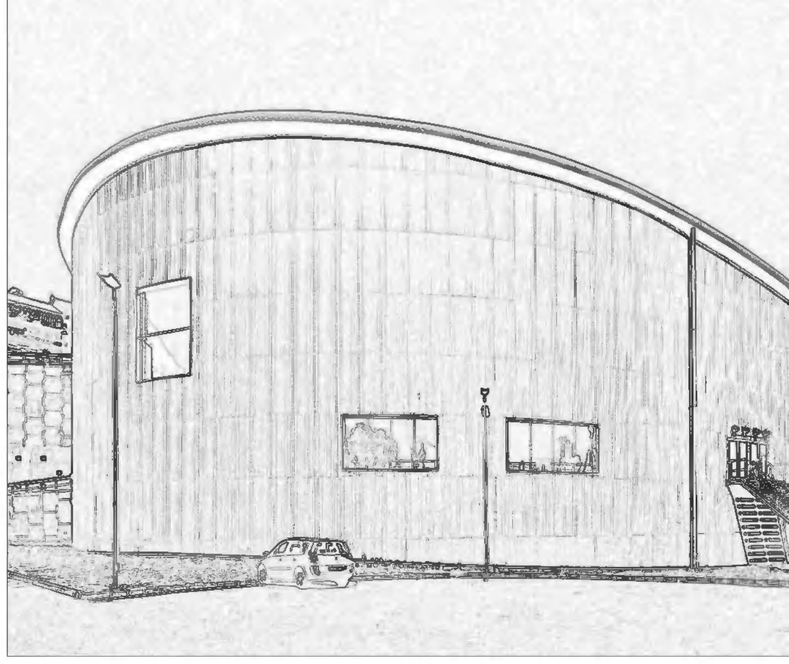
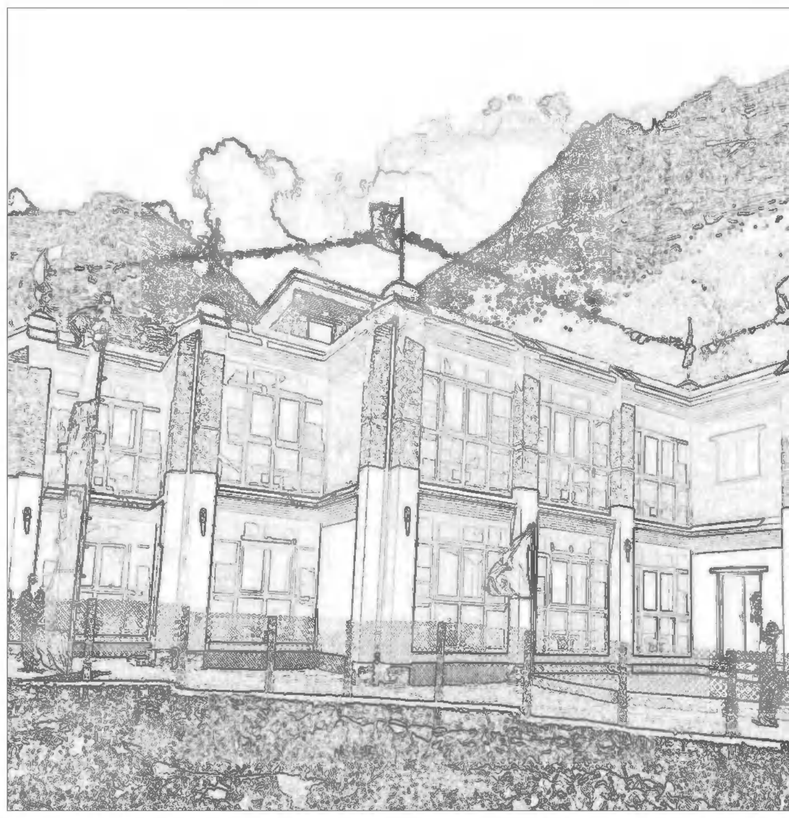
ECOES OF ENCOUNTER : Multi-functional hub

comparitive analysis



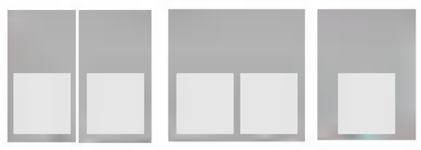






BUILT FORM

KAZA ECO COMMUNITY CENTRE



Cuboidal form in G+1

DILLI HAAT, INA

Cube form

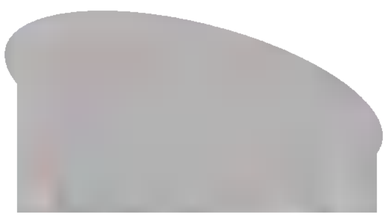
ISKATE SKATING ARENA

Double heighted cylindrical form

BAT TRANG CERAMIC COMMUNITY HOUSE

Frustum built form

CITY OF JACA HOCKEY ARENA



Sloping dome form

CONTEXT RESPONSIVENESS

Building not against the landscape

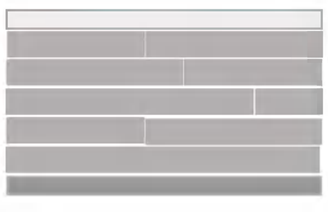
Shops get submerged by buildings around

Part of a whole complex

Building blends in the neighbourhood

Arena submerges in the contour

MATERIAL CHARACTERISTIC



Rammed Earth & CSEB

RCC & AAC blocks

RCC & AAC blocks

Local ceramic tiles & RCC

Tensile Roof

MOVEMENT

Branched movement

Spider web movement

Parallel movement

Block movement

Perpendicular movement

CLIMATE RESPONSIVENESS

The Eco - Community Centre is built in Rammed Earth and Compressed Stabilized Earth Blocks. These act as natural Insulators and keep the building warm by maintaining temperature differences upto 20 C

Dilll Haat offers a great breather space for the surrounding housing complexes. The building materials cater to the needs of a metropilitan, and the open to sky spaces pose a challenge during peak summers.

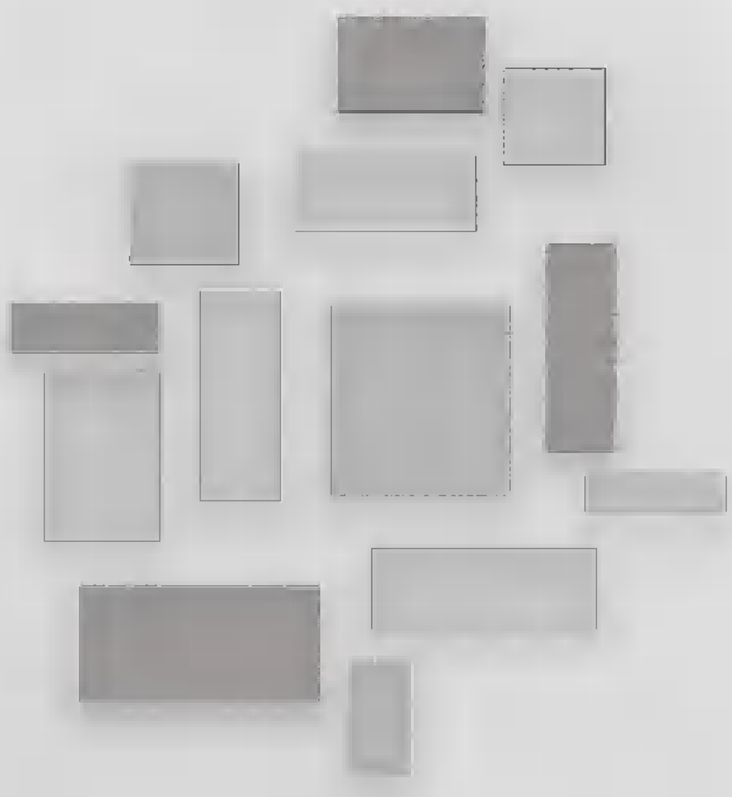
The Iskate Skating Arena is planned on one of the terraces of Ambience Mall, Gurugram. The heat generated from the Machine Room is simply released into the atmosphere, making it an invisible threat.

Bat Trang Ceramic Community House ensures passive cooling of spaces and adequate planning to utilize the river front and promote the local ceramic art. The form of the building and landscaping optimise the Tunnel Effect.

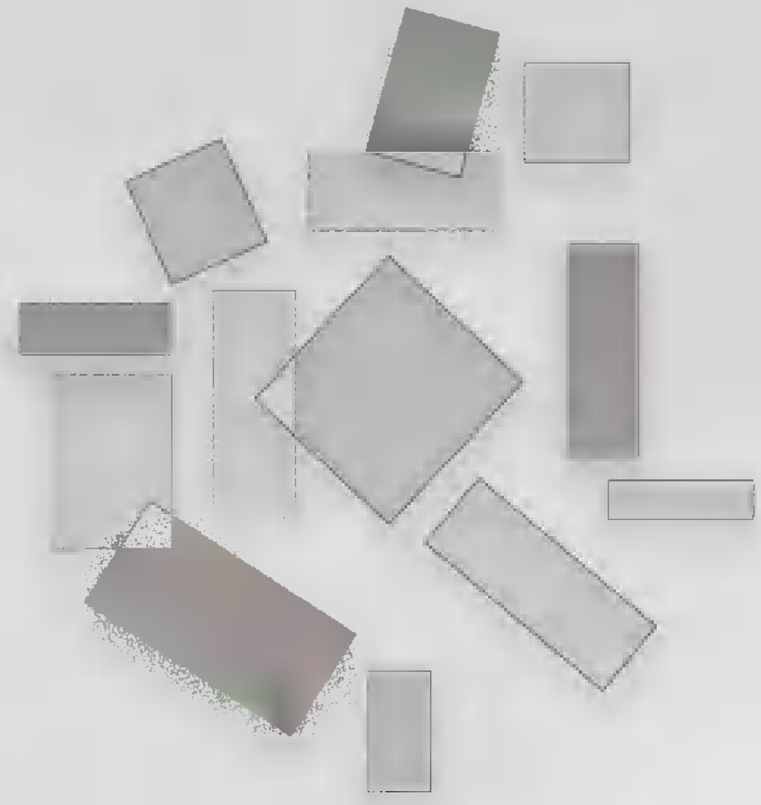
The City of Jaca Hockey Arena is largely a tensile structure due to the requirement of column-less space. The arena flaunts clever usage of contour and blends with the landscape around making it a part of a whole.

concept

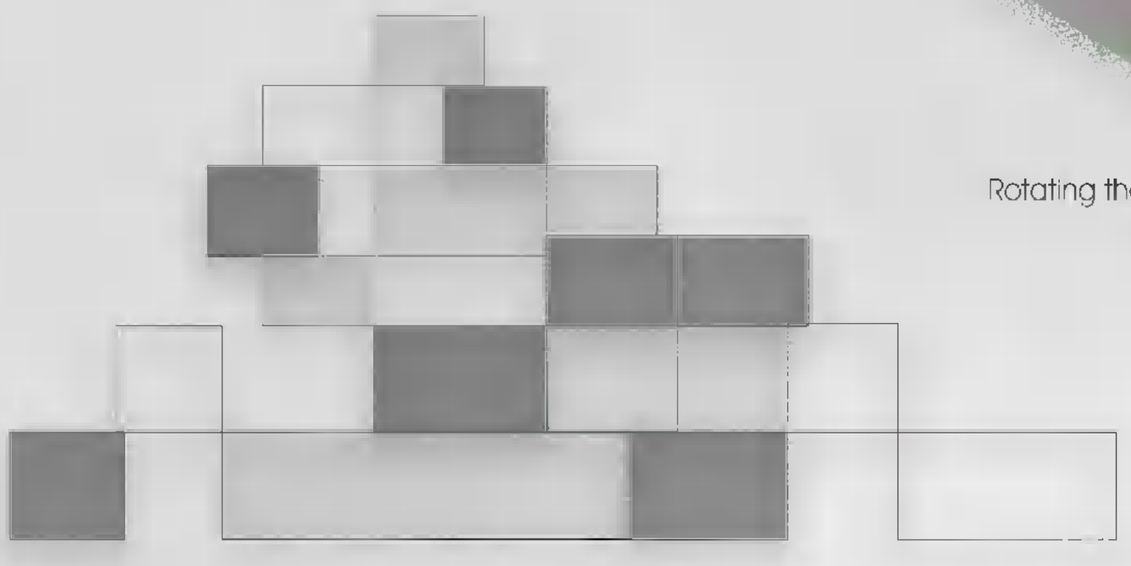
The story of the village In-between in the valley called "Land In-Between".



Layout of spaces in monasteries (PLAN)



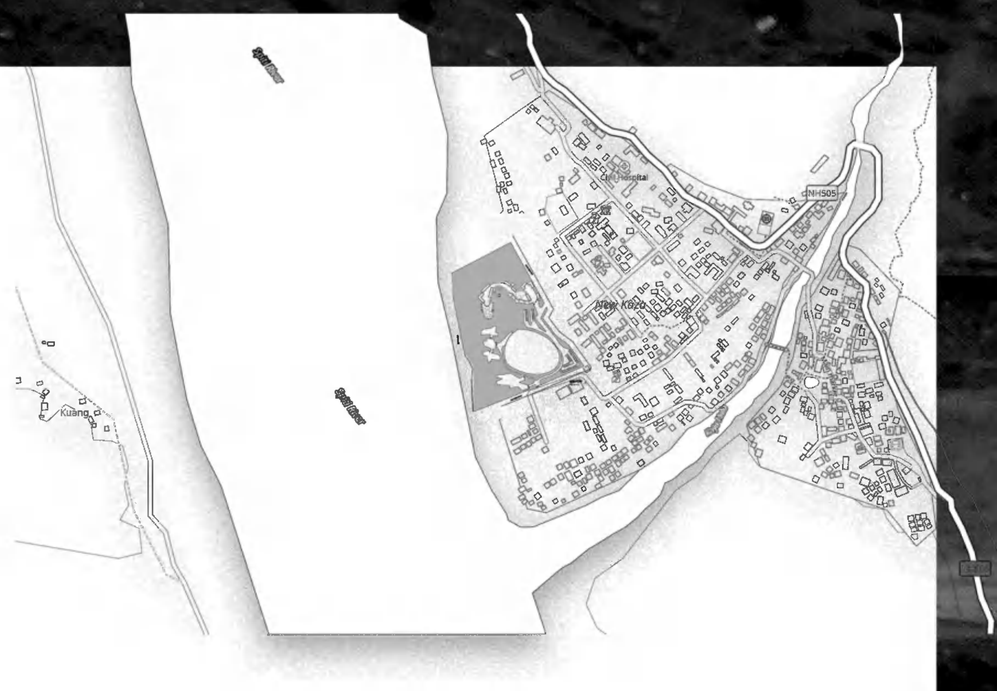
Rotating the shapes to create movements with contour (PLAN)

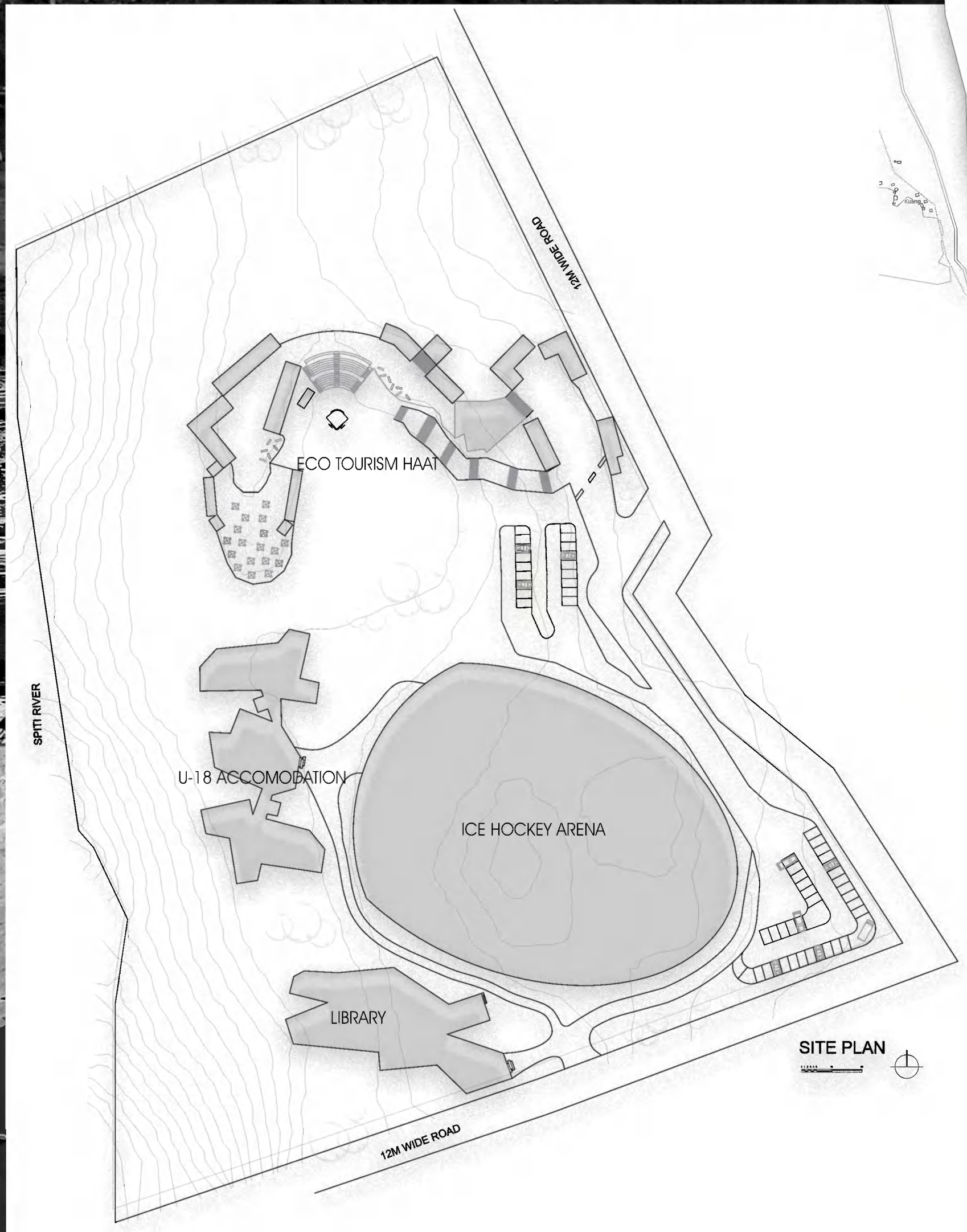


Monastry silhouette

Do we show Kaza to the World or, the Werld to Kaza?

the site





A LIBRARY in KAZA is crucial as it provides access to education, fosters literacy, and serves as a community hub for social interaction. It helps preserve local culture, supports lifelong learning, and offers resources for economic and skill development, thereby enhancing the overall quality of life in this isolated region.

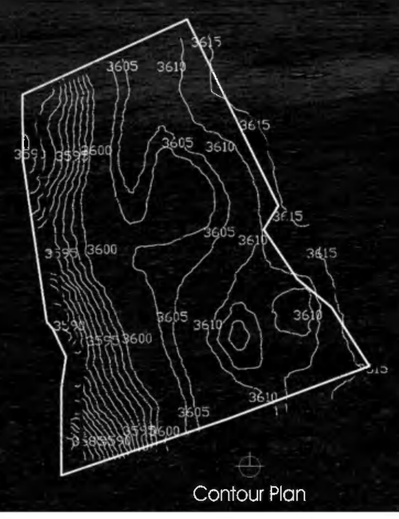
AN ICE HOCKEY ARENA in KAZA IS vital for promoting sports, offering youth a constructive outlet and fostering community spirit. It can encourage physical fitness, teamwork, and discipline, while also putting Spiti on the map as a destination for winter sports, potentially boosting tourism and the local economy.

AN ECO-TOURISM HAAT in KAZA is essential for promoting sustainable tourism, providing locals with economic opportunities while preserving the region's natural beauty and cultural heritage. It can attract environmentally conscious travelers, support local artisans, and encourage eco-friendly practices, contributing to the village's sustainable development and resilience.

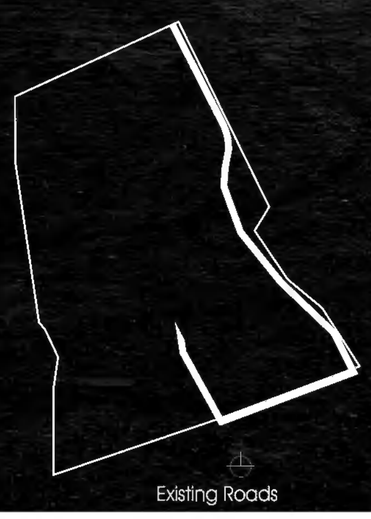
THE UNDER - 18 ACCOMODATION is crucial for ensuring the safety and well-being of the young athletes. It enables them to train and compete without the stress of commutes, fostering their development and passion for the sport. Additionally, it acquaints the athletes at the pace of their own comfort with the drastic change of climate.

site analysis

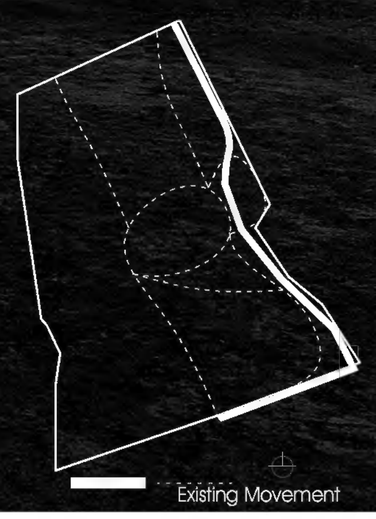
Eiectricity Poies



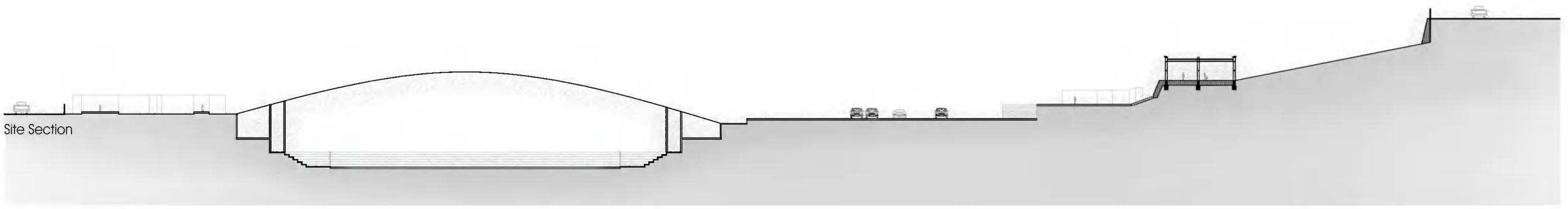
Contour Plan



Existing Roads



Existing Movement



Site Section

The site is loacted on about 16.28 acres of land, in the small town of KAZA, parallel to River S p i t i .

6691 5766

SWOT ANALYSIS

Site in clear visibility to even passerby tourists.

Frigid climate and tough accessibility plays a challenging role.

Unplanned and excessive construction under the unbrella of development

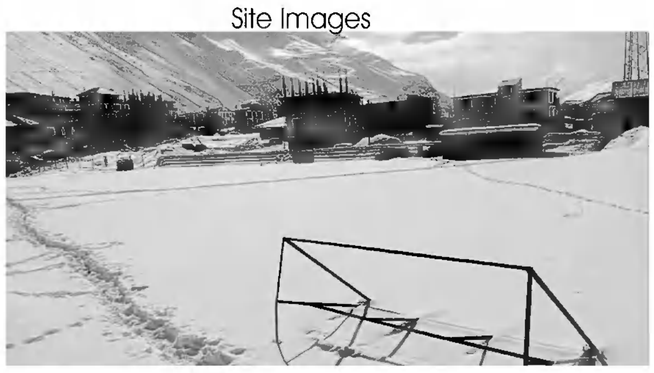
The wide diversity of typology of spaces and functions created on site.

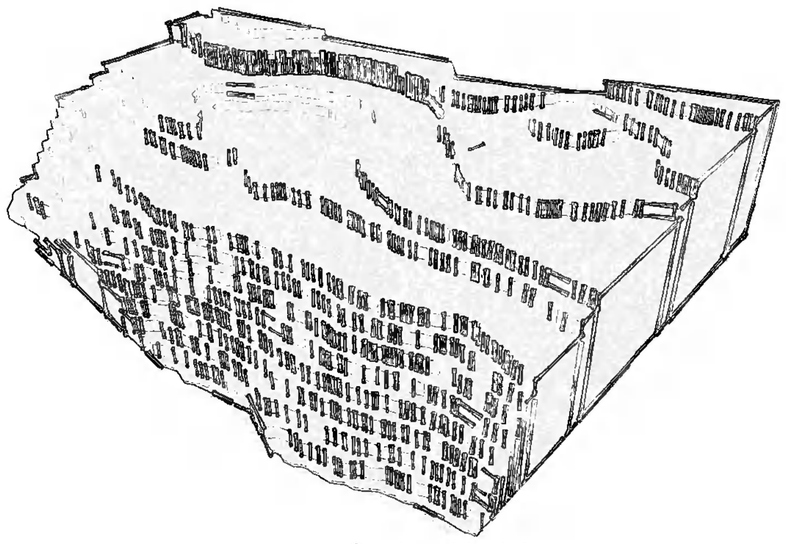
SIGNIFICANCE

kAZA, serves as the largest commercial hub in Spiti Valley. The town bridges the smaller villages with the rest of the world in ***thought*** and in ***trade*** through various ***E N C O U N T E R S***

TOTAL AREA	: 65904.58m^2
TOTAL PERIMETER	: 1100.50m
TOWN	: Kaza
DISTRICT	: Lahaul and Spiti
STATE	: Himachal Pradesh
CURRENT LAND USE	: Ice rink
NEW PURPOSE	: Multi-functional Hub

Site Images





Contour Model

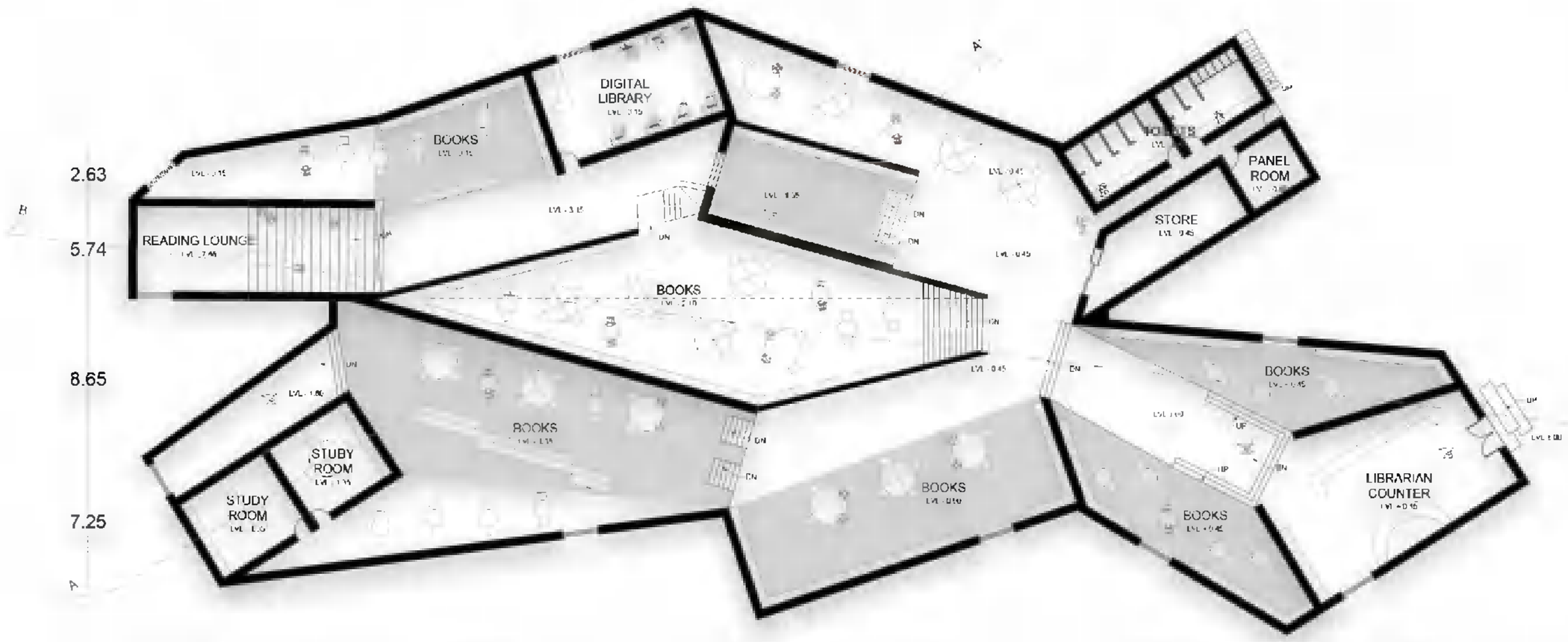
Satellite Image

library

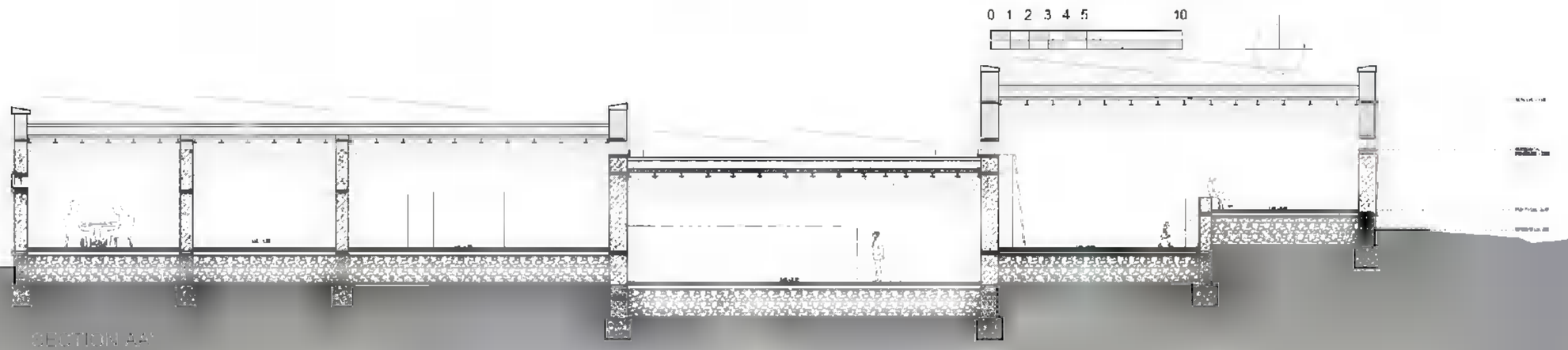
TOTAL FLOOR AREA : 1738 m²
TOTAL PERIMETER : 243 m

N A R R A T I V E

The library stands not just to inspire education, knowledge and growth but also to create an experiance of a kind engulfing the context in its caress. This library is to serve as an ***intellectual encounter*** *between the locals and the tourists, exchanging thoughts and processes in real time.*

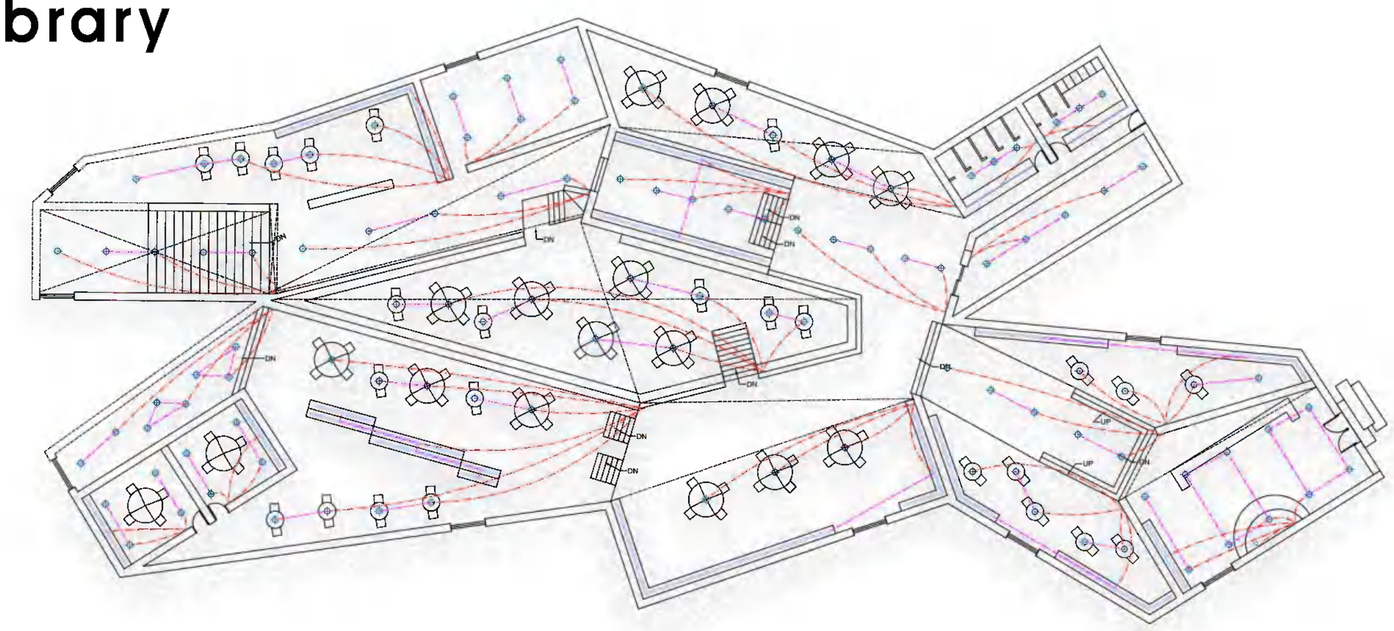


LIBRARY FLOOR PLAN



SECTION AA'

library



LIBRARY ELECTRICAL LAYOUT

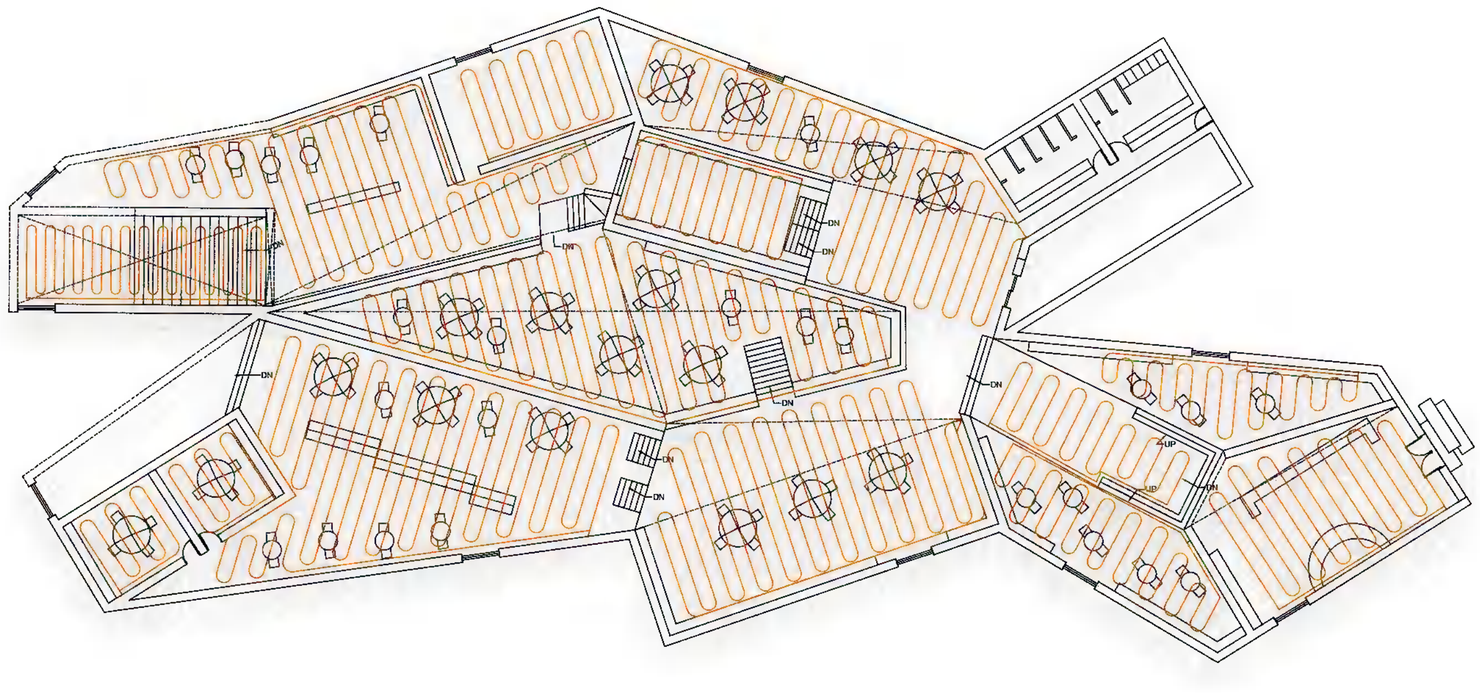
LIBRARY ELEVATION

LIBRARY ELEVATION

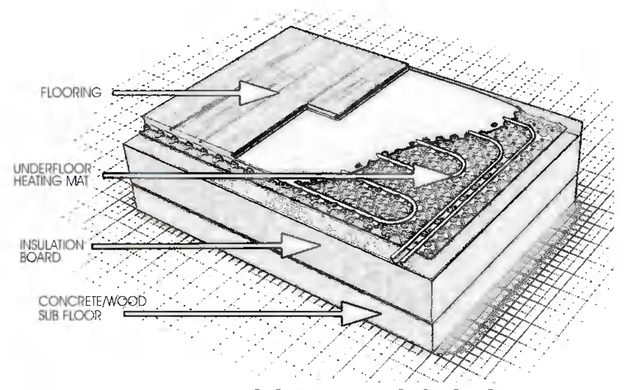
LEGEND

- CEILING POINT
- WALL POINT
- 15 AMP
- BED SIDE LAMP
- 5 AMP
- SWITCH BOARD
- FLOOD LIGHTS
- COVE LIGHT
- ELECTRIC WIRE
- LOOPING WIRE
- 2 WAY WIRE

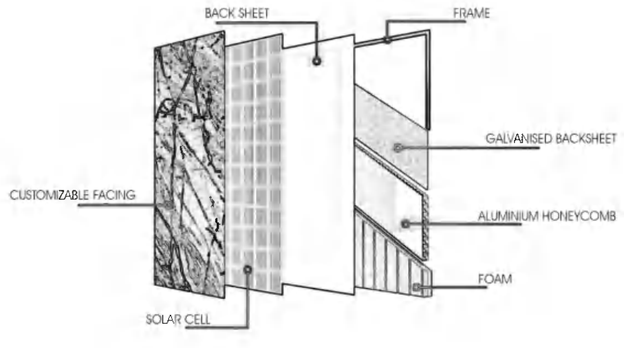
The floor heating system incorporated in the buildings on site takes its base energy from the solar facades fixed on the elevation. The remaining energy is then divested from the electrical supply provided to the site.



LIBRARY FLOOR HEATING LAYOUT



FLOOR HEATING SECTION



SOLAR FACADE LAYERS

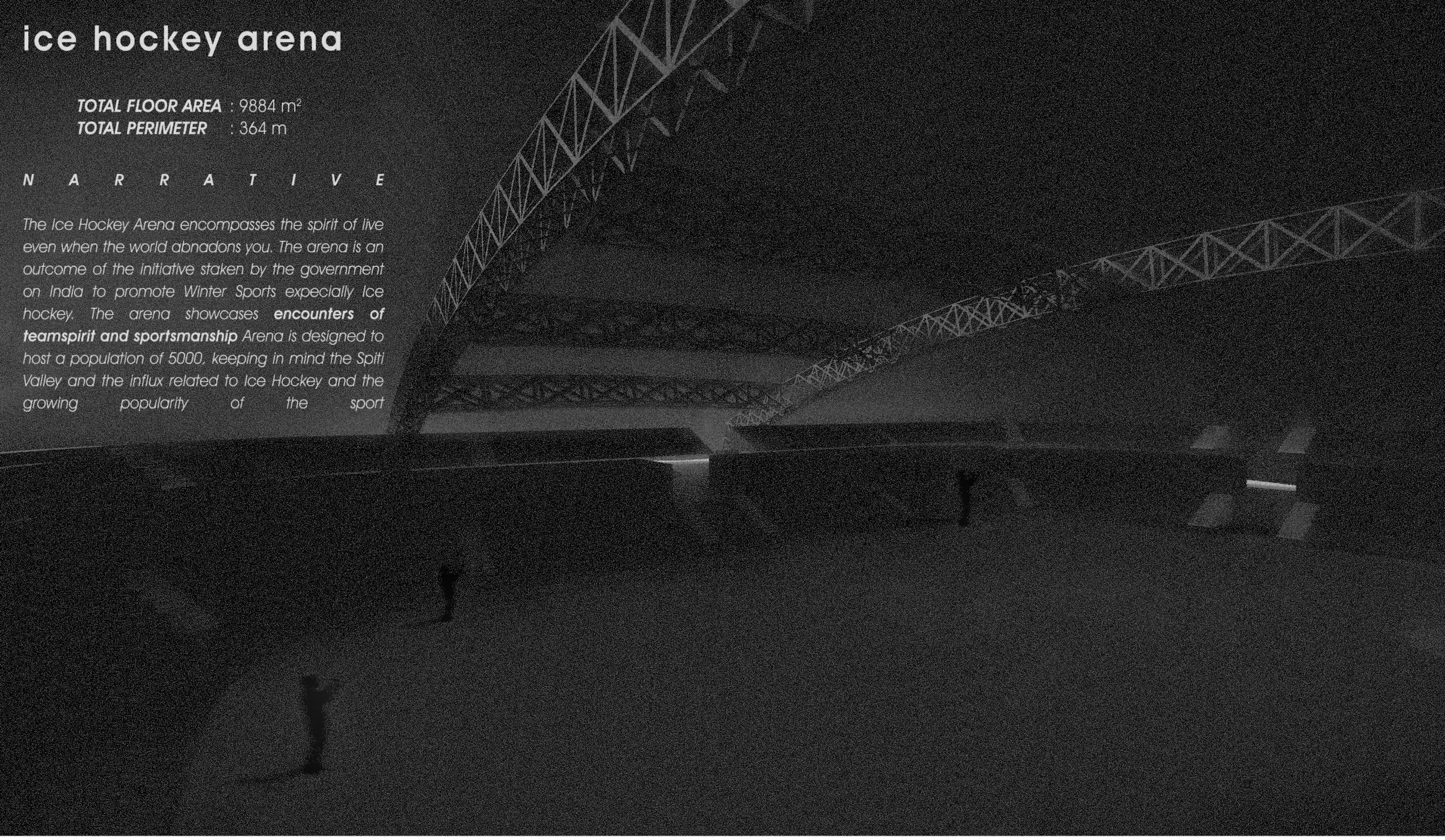
SECTION BB'

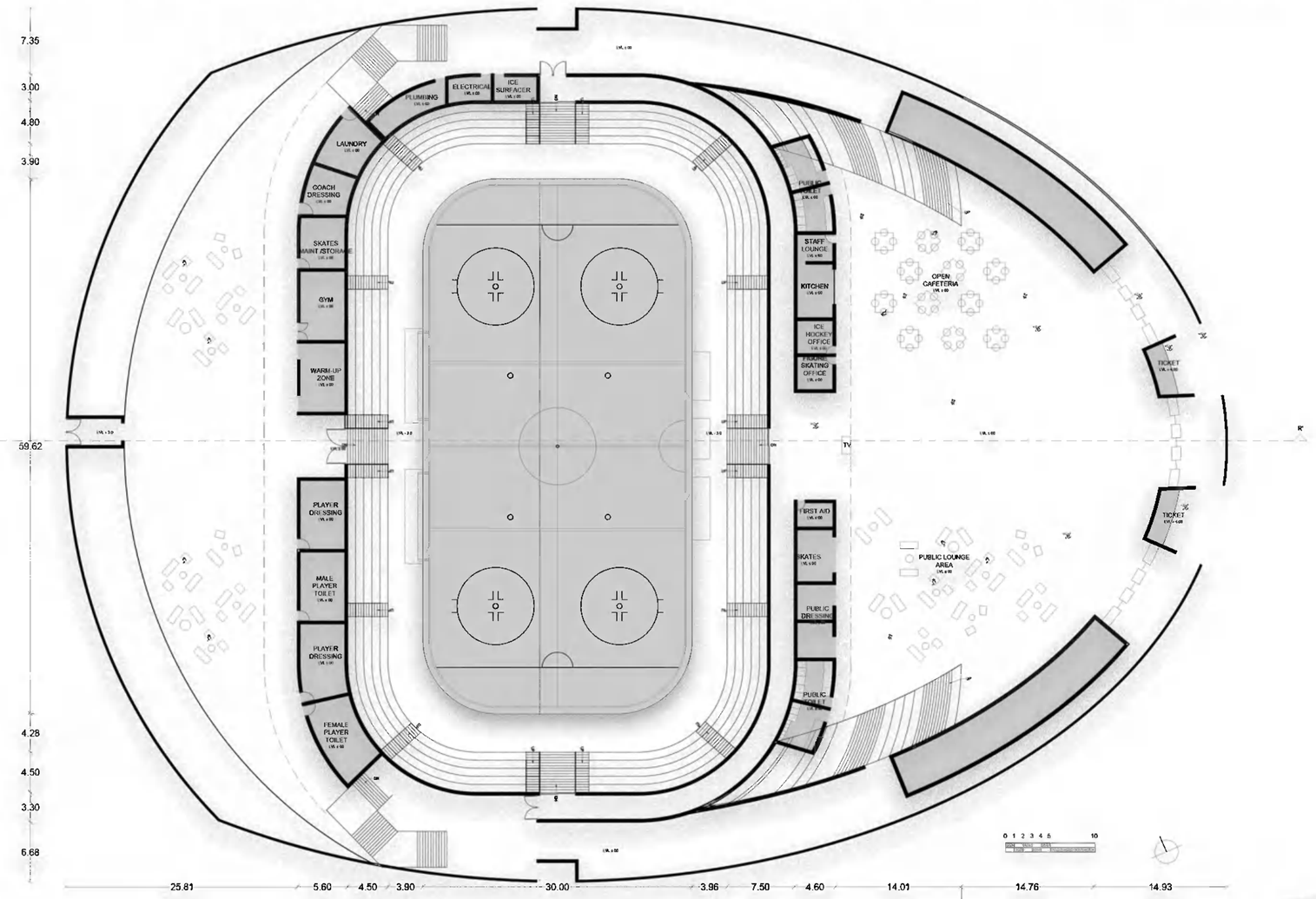
ice hockey arena

TOTAL FLOOR AREA : 9884 m^2
TOTAL PERIMETER : 364 m

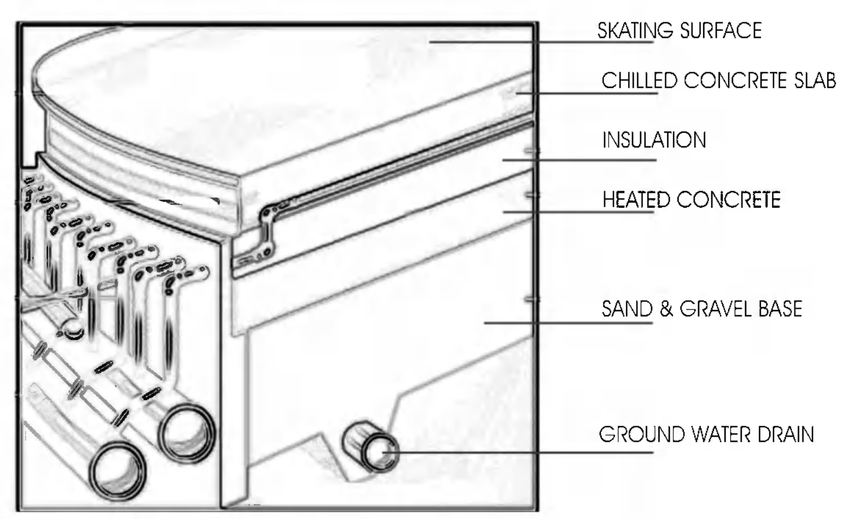
N A R R A T I V E

The Ice Hockey Arena encompasses the spirit of live even when the world abnadons you. The arena is an outcome of the initiative staken by the government on India to promote Winter Sports expecially Ice hockey. The arena showcases ***encounters of teamspirit and sportsmanship*** *Arena is designed to host a population of 5000, keeping in mind the Spiti Valley and the influx related to Ice Hockey and the growing popularity of the sport*

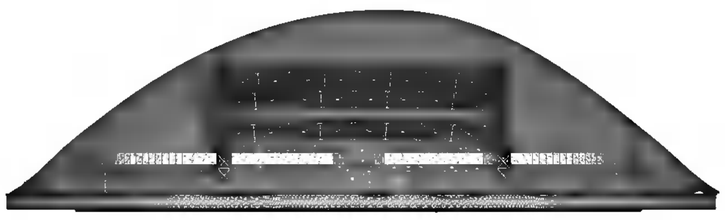




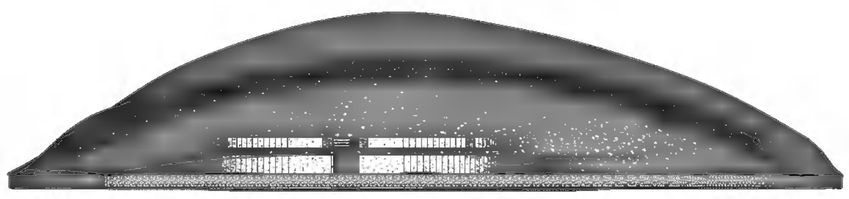
GROUND FLOOR PLAN



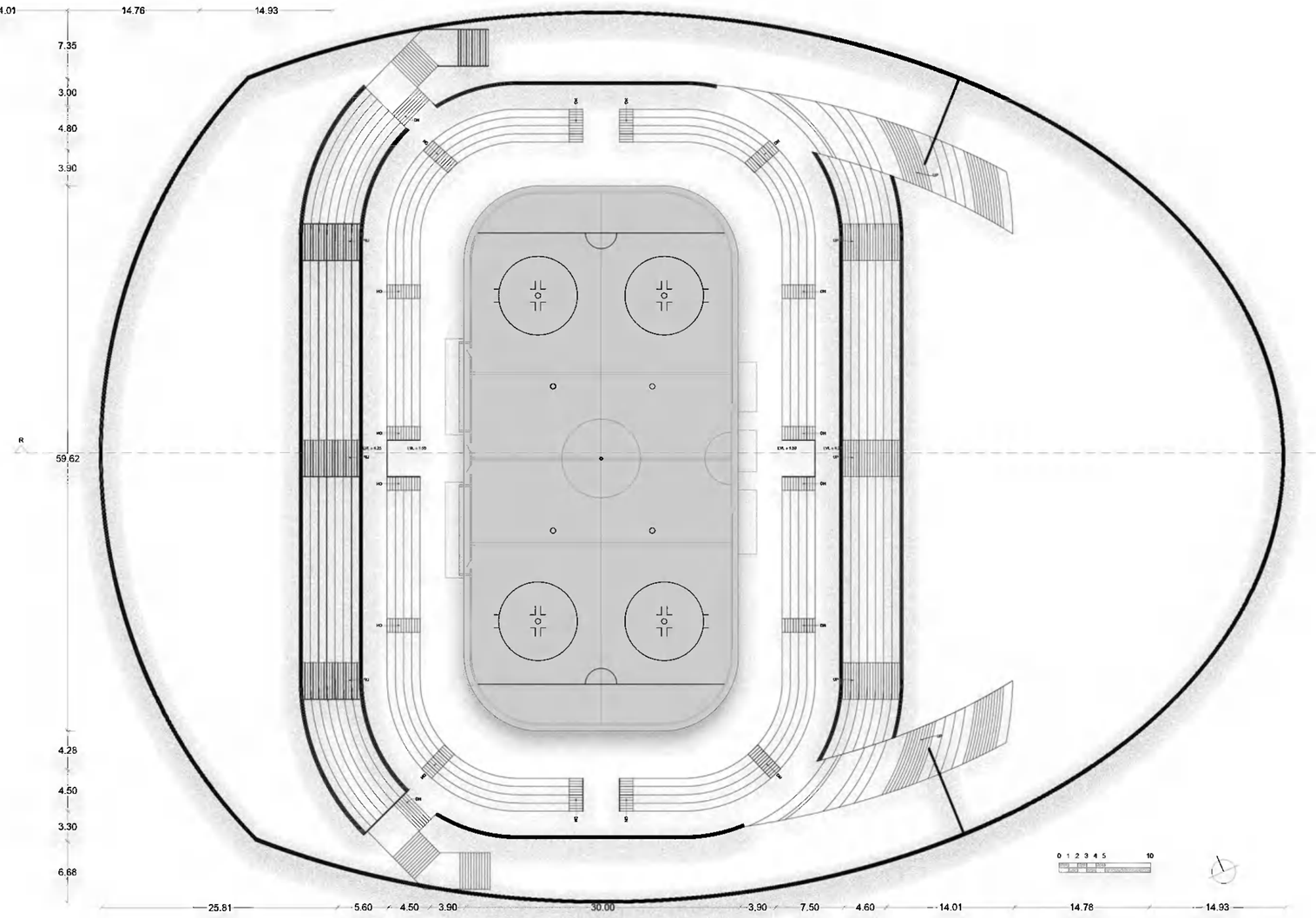
LAYERS OF ICE SURFACE



ARENA ELEVATION

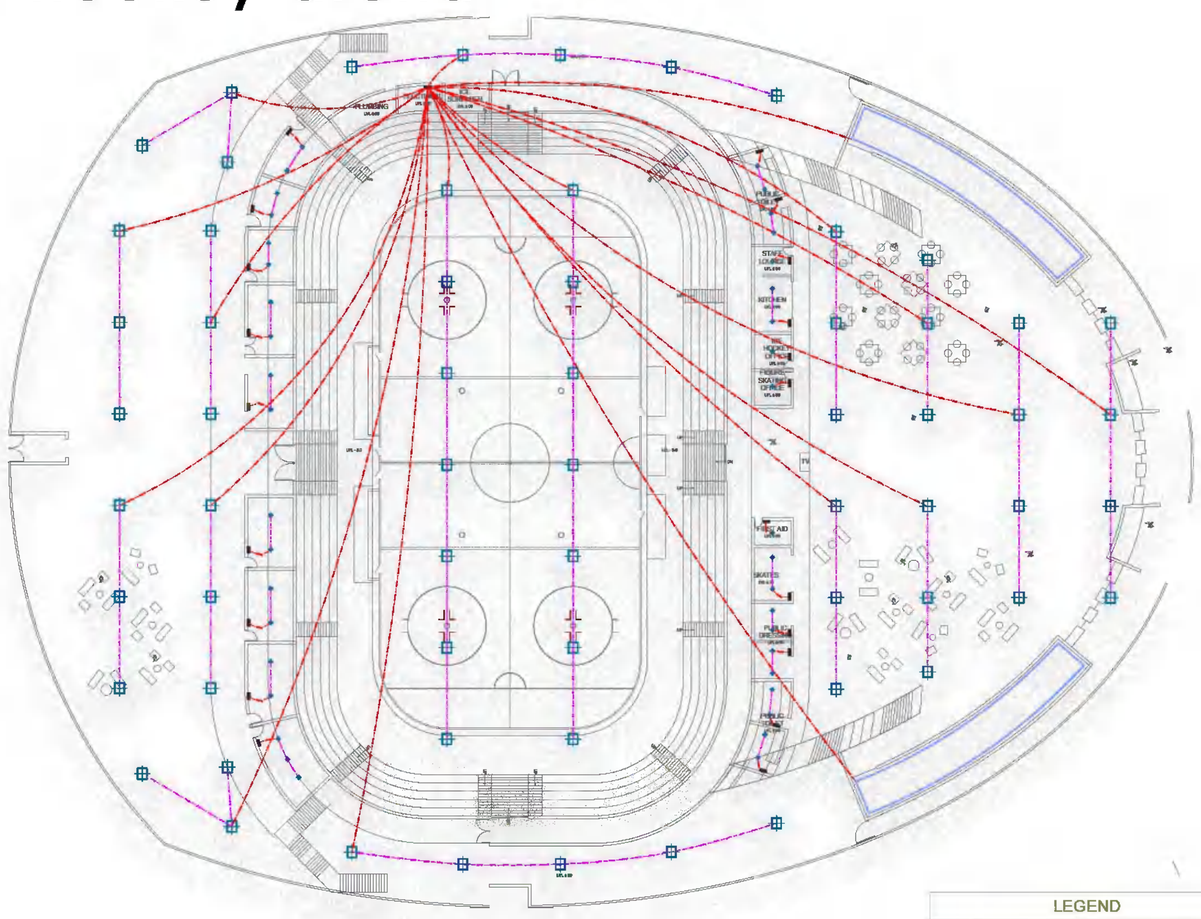


ARENA ELEVATION



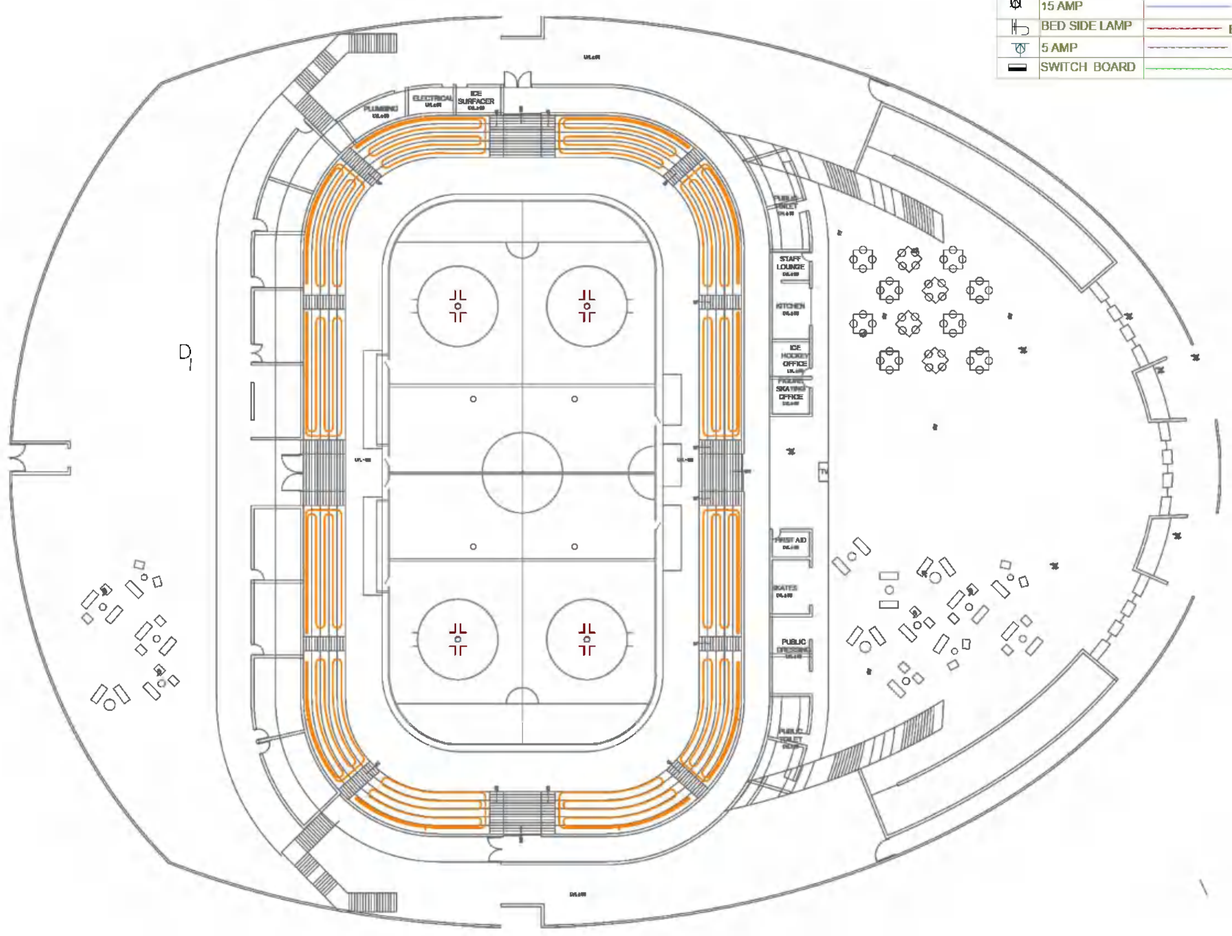
UPPER FLOOR PLAN

ice hockey arena

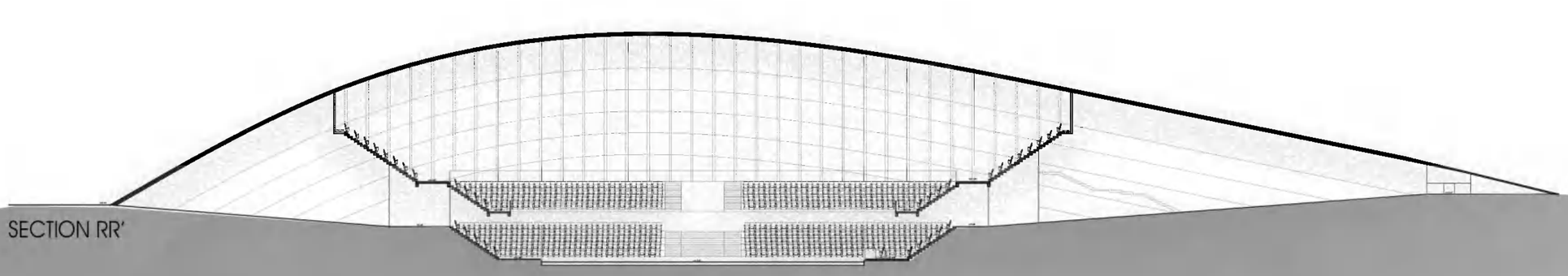


ARENA ELECTRICAL LAYOUT

LEGEND			
	CEILING POINT		FLOOD LIGHTS
OH	WALL PGINT		
	15 AMP		COVE LIGHT
	BED SIDE LAMP		ELECTRIC WIRE
	5 AMP		LOOPING WIRE
	SWITCH BOARD		2 WAY WIRE



ARENA BLEACHERS HEATING LAYOUT



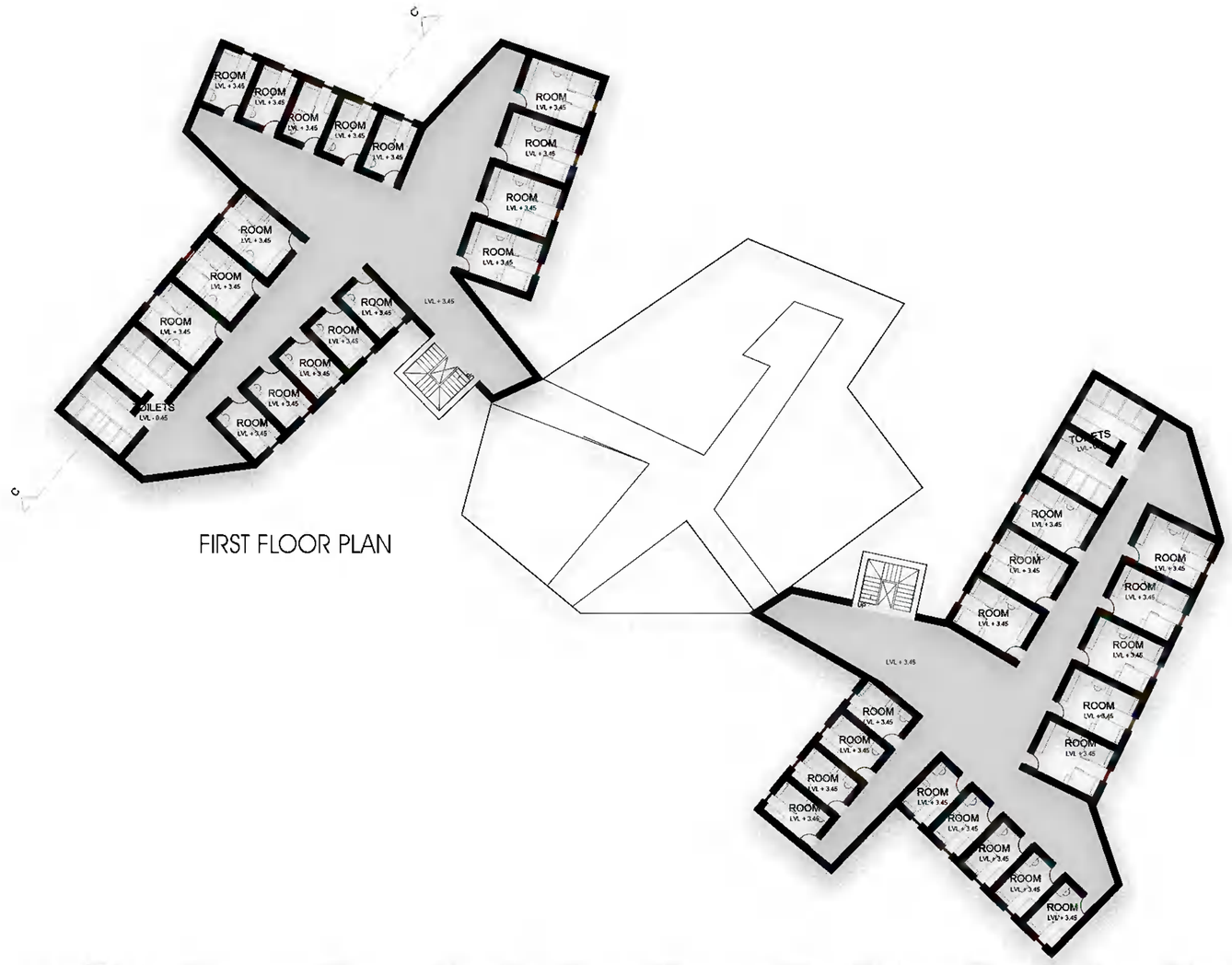
SECTION RR'

u - 18 accomodation

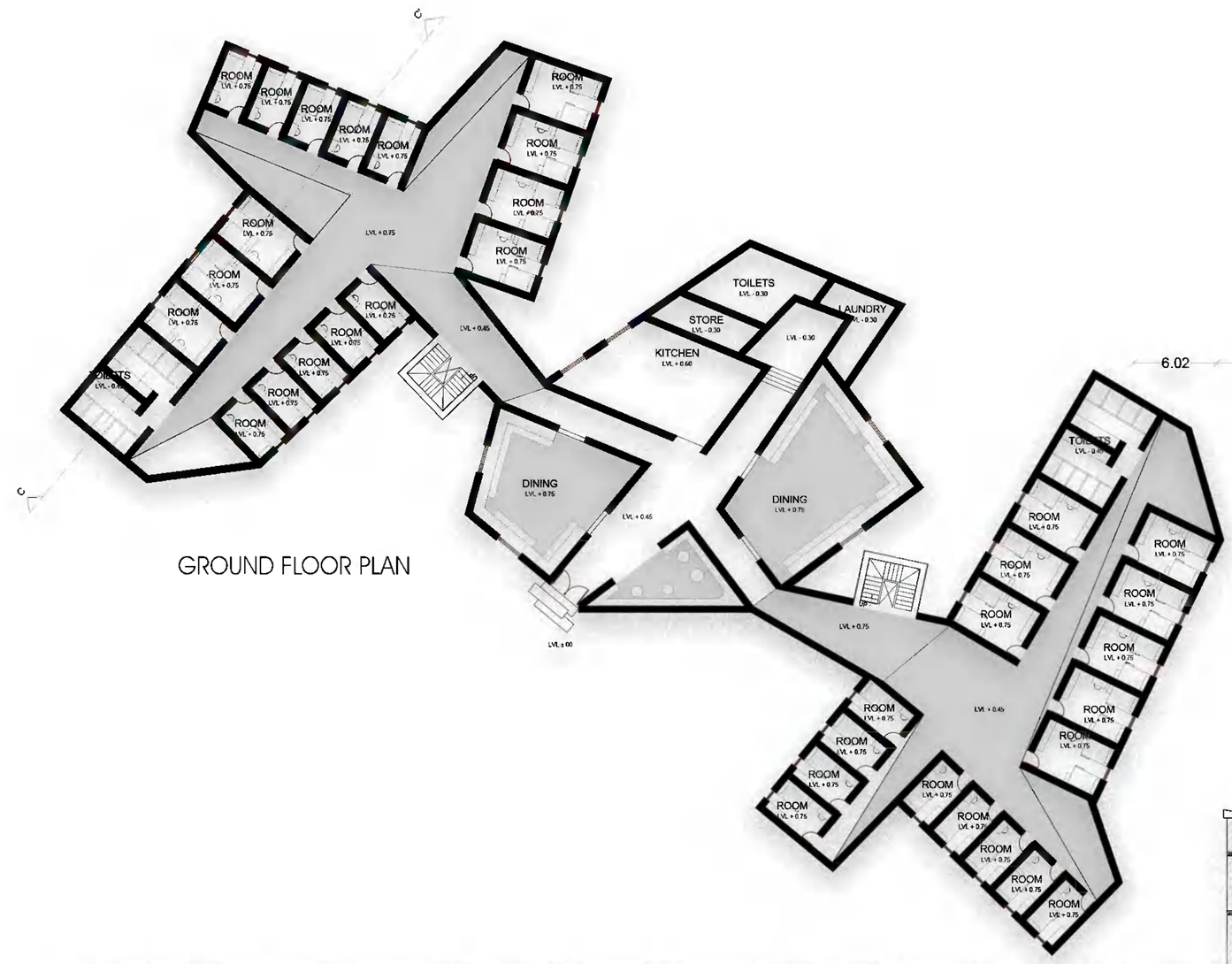
TOTAL FLOOR AREA : 3007 m²
TOTAL PERIMETER : 363 m

N A R R A T I V E

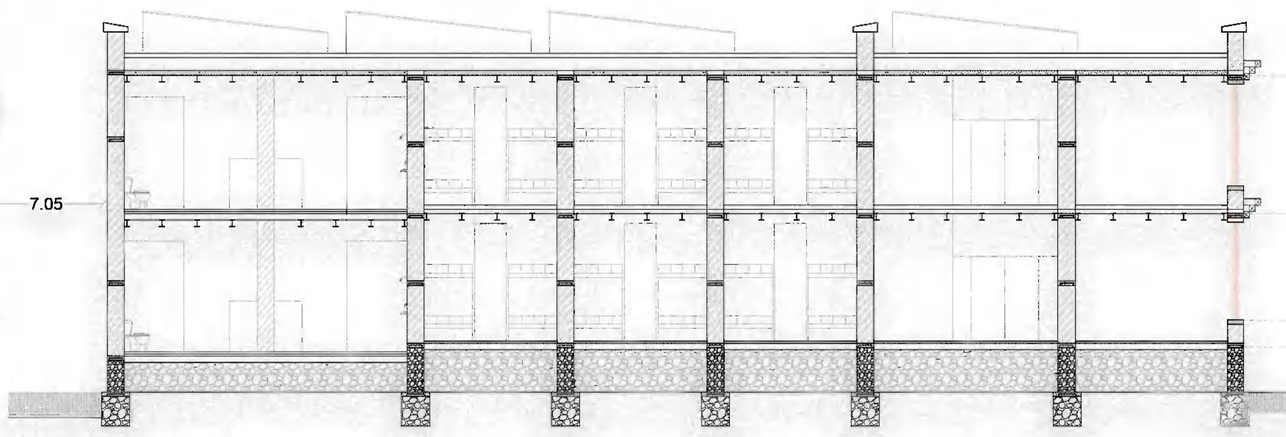
The U - 18 Accomodation provides a safe haven for the young athletes as it provides a perfect transition and adjustment in the harsh climate. it also gives the athletes to hold team spirit beyond the playground and initiate ***encounters of friendship*** *and exchange of cultures in the dorm rooms.*



FIRST FLOOR PLAN

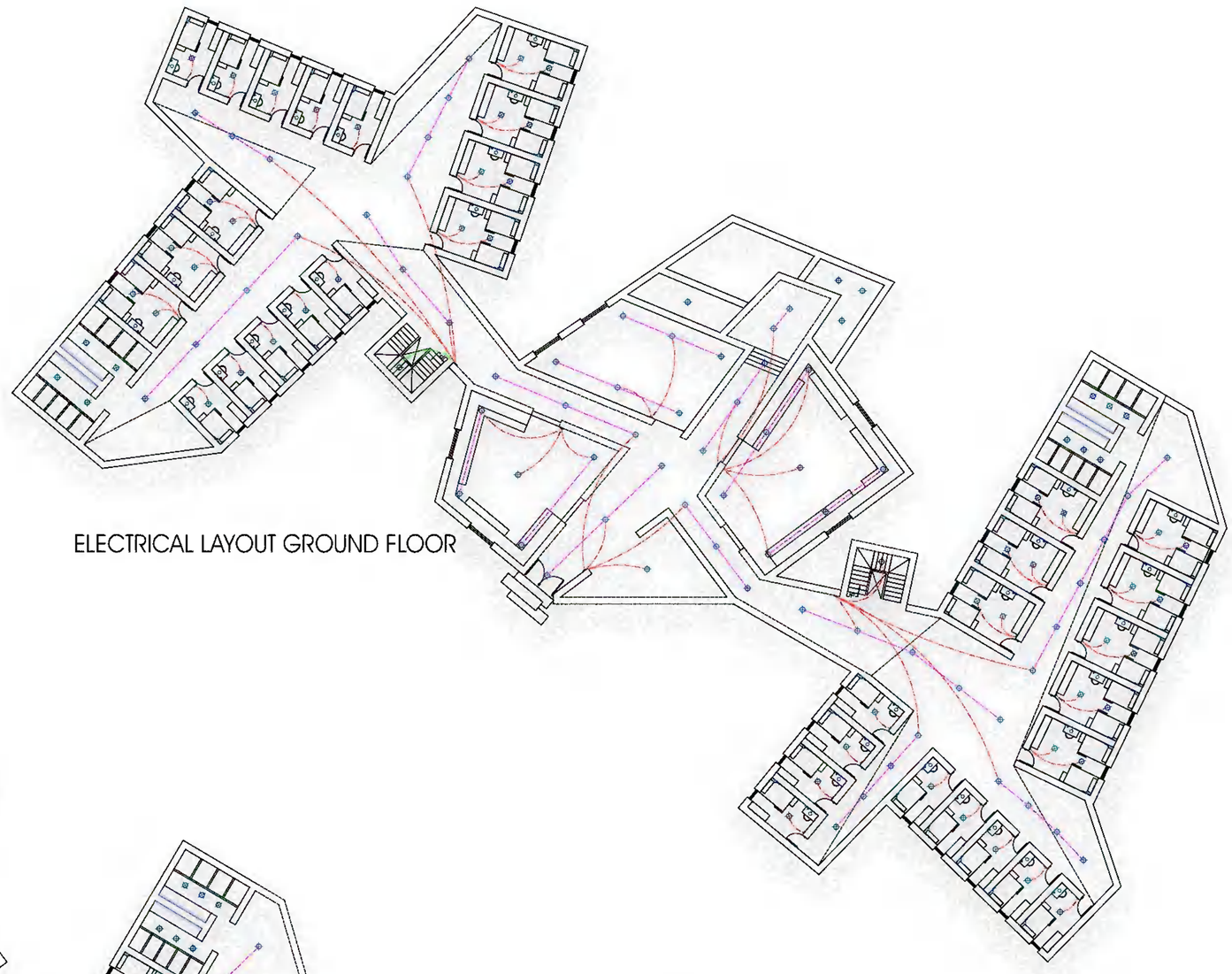


GROUND FLOOR PLAN

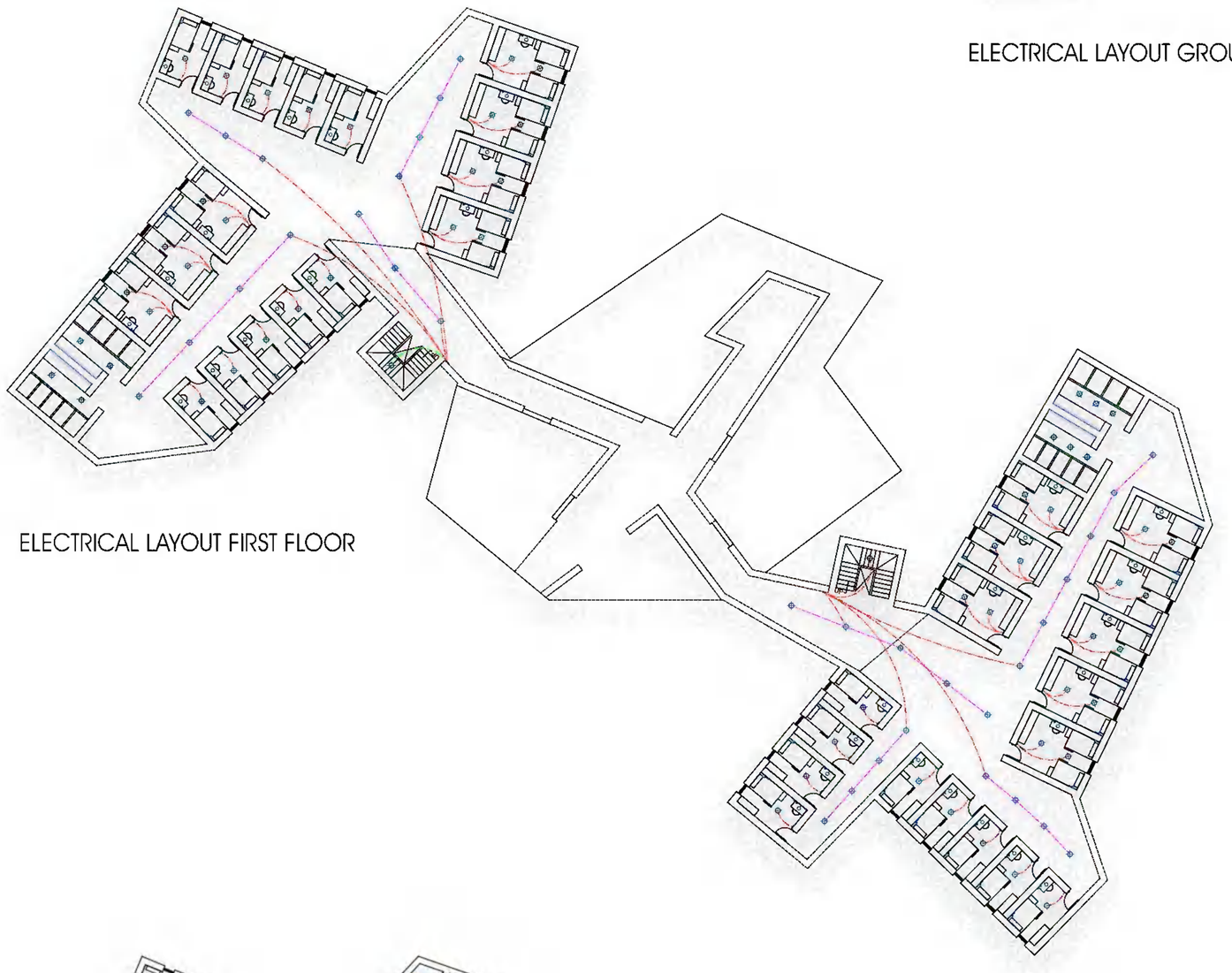


SECTION CC'

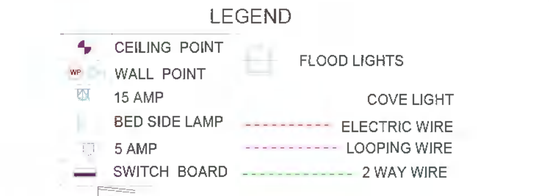
u - 18 accomodation

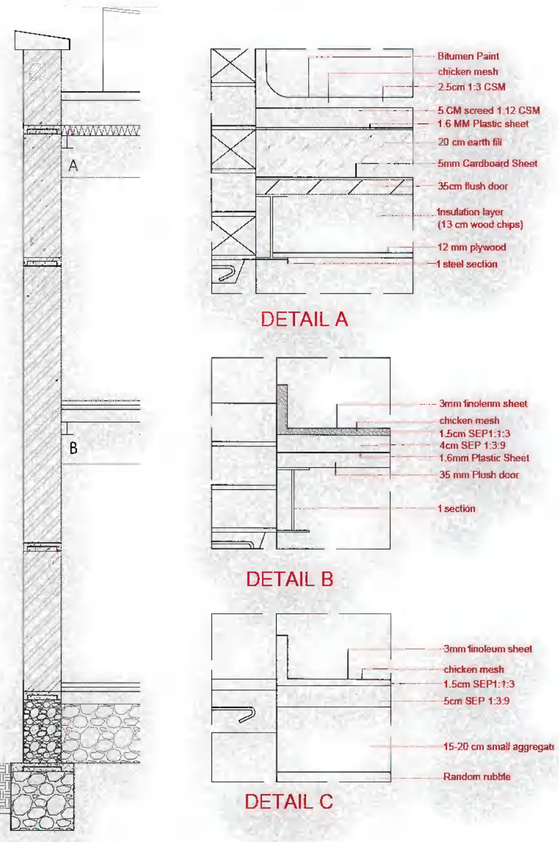


ELECTRICAL LAYOUT GROUND FLOOR

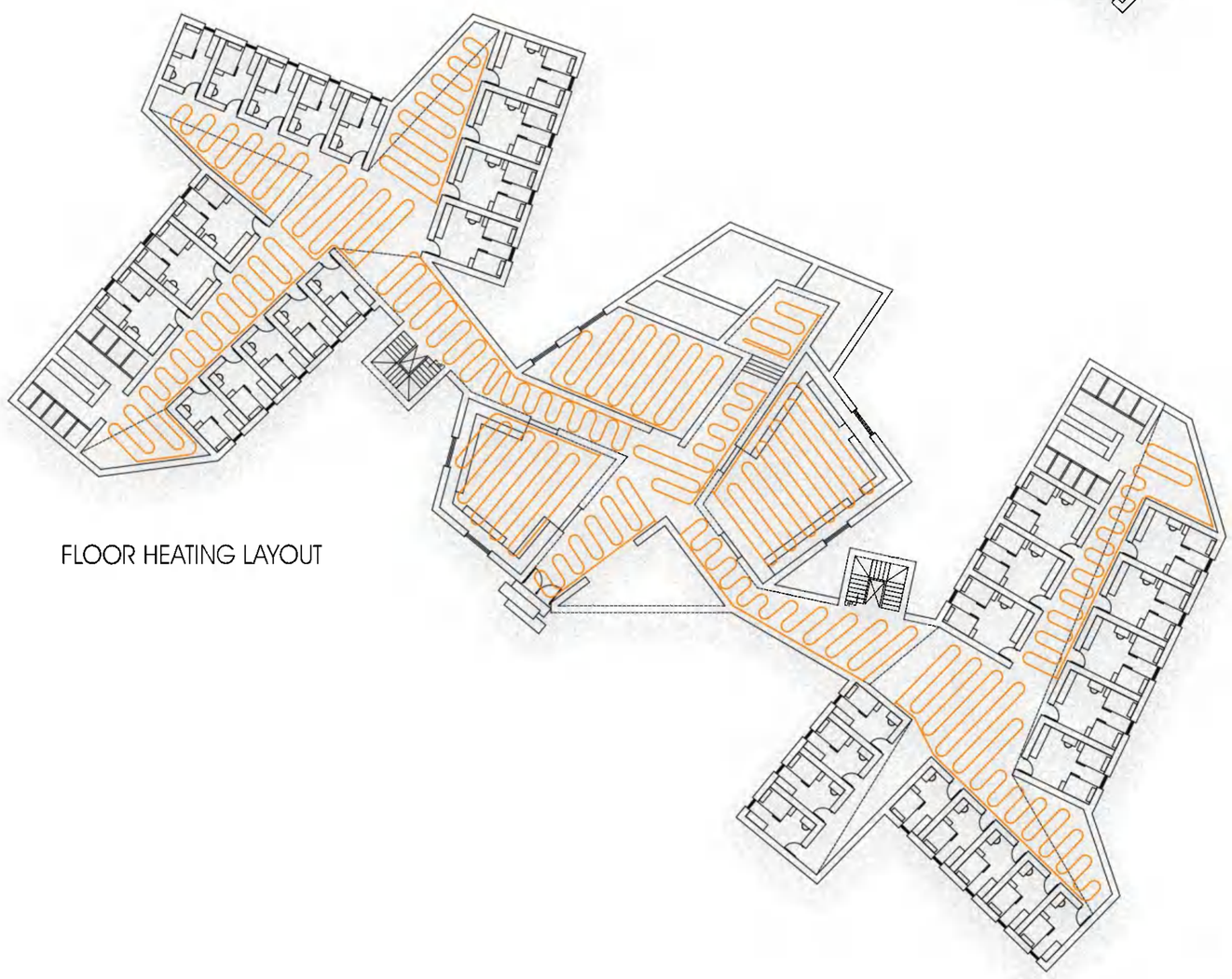


ELECTRICAL LAYOUT FIRST FLOOR



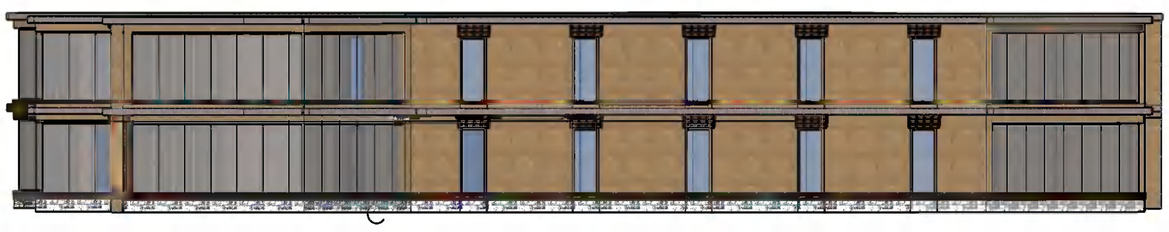


SKIN SECTION

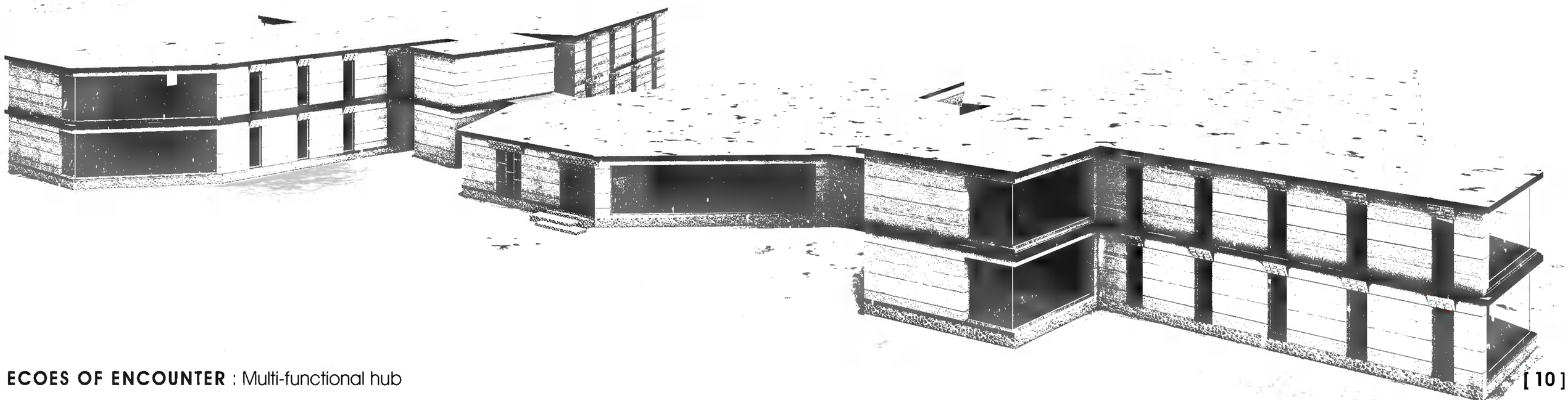


FLOOR HEATING LAYOUT

U-18 ACCOMODATION ELEVATION



U-18 ACCOMODATION ELEVATION

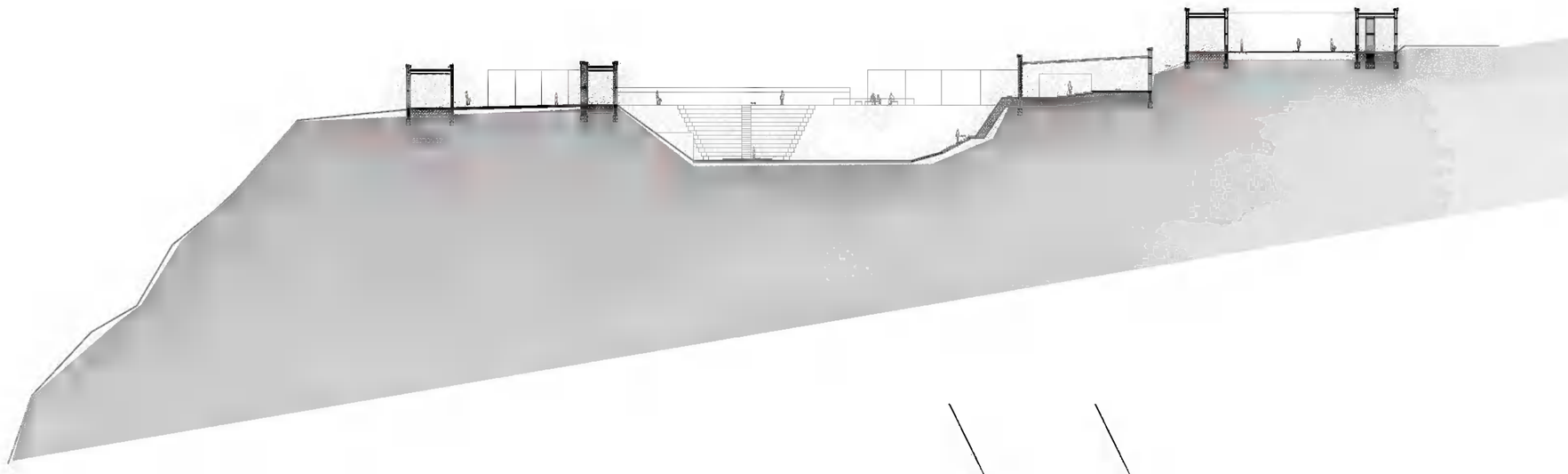


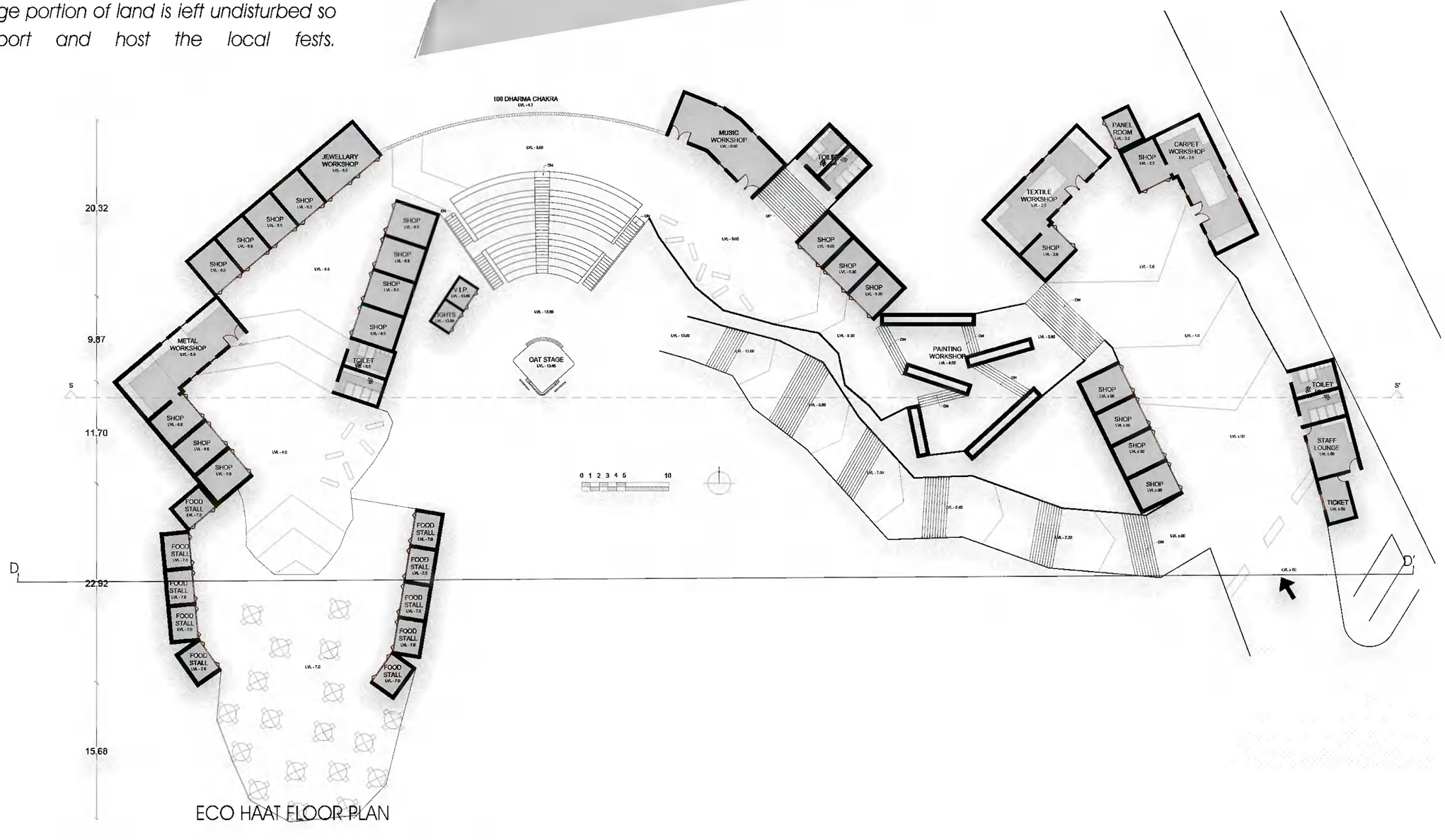
eco tourism haat

TOTAL FLOOR AREA : 5264 m^2
TOTAL PERIMETER : 510 m

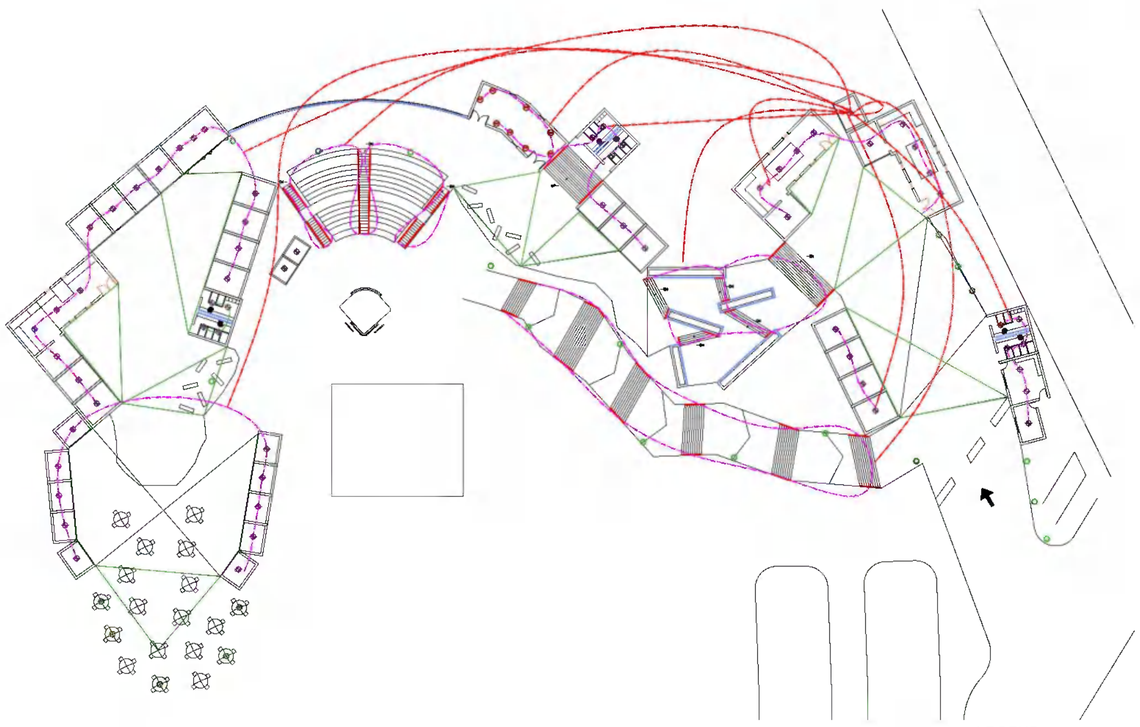
N A R R A T I V E

The Eco Tourism Haat supports a vibrant vista to encourage and support local crafts, culture and lifestyle. It showcases ***encounters ef trade and commerce*** *and exchange of craftsmanship in the finest vase. The Haat also promotes local activties and fest and a large portion of land is ieft undisturbed so as to support and host the local fests.*





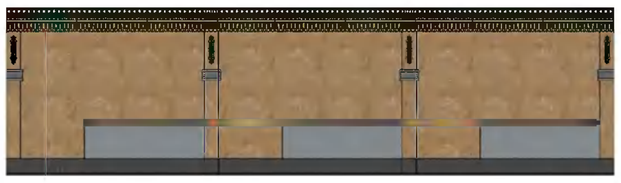
ECO HAAT FLOOR PLAN



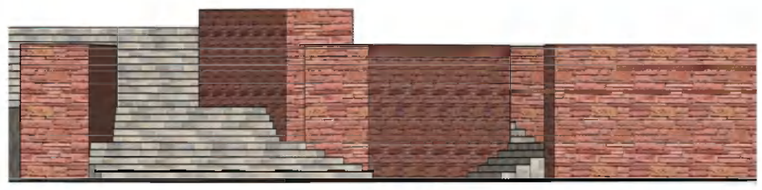
ECO HAAT ELECTRICAL LAYOUT

LEGEND

- CEILING POINT
- WALL POINT
- 15 AMP
- BED SIDE LAMP
- 5 AMP
- SWITCH BOARD
- SOLAR LAMPS
- FLOOD LIGHTS
- COVE LIGHT
- ELECTRIC WIRE
- LOOPING WIRE
- 2 WAY WIRE
- STEP LIGHT



SHOP ELEVATION



PAINTING GALLERY ELEVATION