



P O R T F O L I O

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HALID RIYAS .J

architect

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📷 - brick_and_bond

ABOUT

I recently completed architecture,In Measi academy of architecture, Chennai. My time at my university has so far helped me improve my manual skills & Technical skills, and given me a solid understanding of spatial usage with regards to the circumstance.

I have Interned at Architecture paradigm Which is an award-winning Bangalore based architecture firm. My experience at the firm has significantly increased my knowledge in many areas.

My main aim is to explore new areas and improve my existing skills and apply them in my career. I am creative, hardworking and a team player. I am looking to explore and learn new skills and step out of my comfort zone

EDUCATION

2014 - 2016 — VIDHYA NIKETAN HR.SEC.SCHOOL
2016 - 2021 — MEASI ACADEMY OF ARCHITECTURE

EXPERIANCE

JUNE 2019 - MARCH 2020
INTERNSHIP AT ARCHITECTURE PARADIGM,
BANGLORE

- Involved with all aspects in creating design development and construction documents

SKILLS

GOOD COMMUNICATION - WRITTEN AND ORAL SKILLS

EXCELLENT CONCEPTUAL AND COMPUTER KNOWLEDGE

WORK UNDER HIGH PRESSURE AND TIGHT DEADLINES

OPEN MINDED, RESPONSIBILITY,HARDWORKING,& ENTHUSIASTIC

MODEL MAKING,HAND SKETCHING ,TEAM WORKING

GOOD LEADERSHIP QUALITY

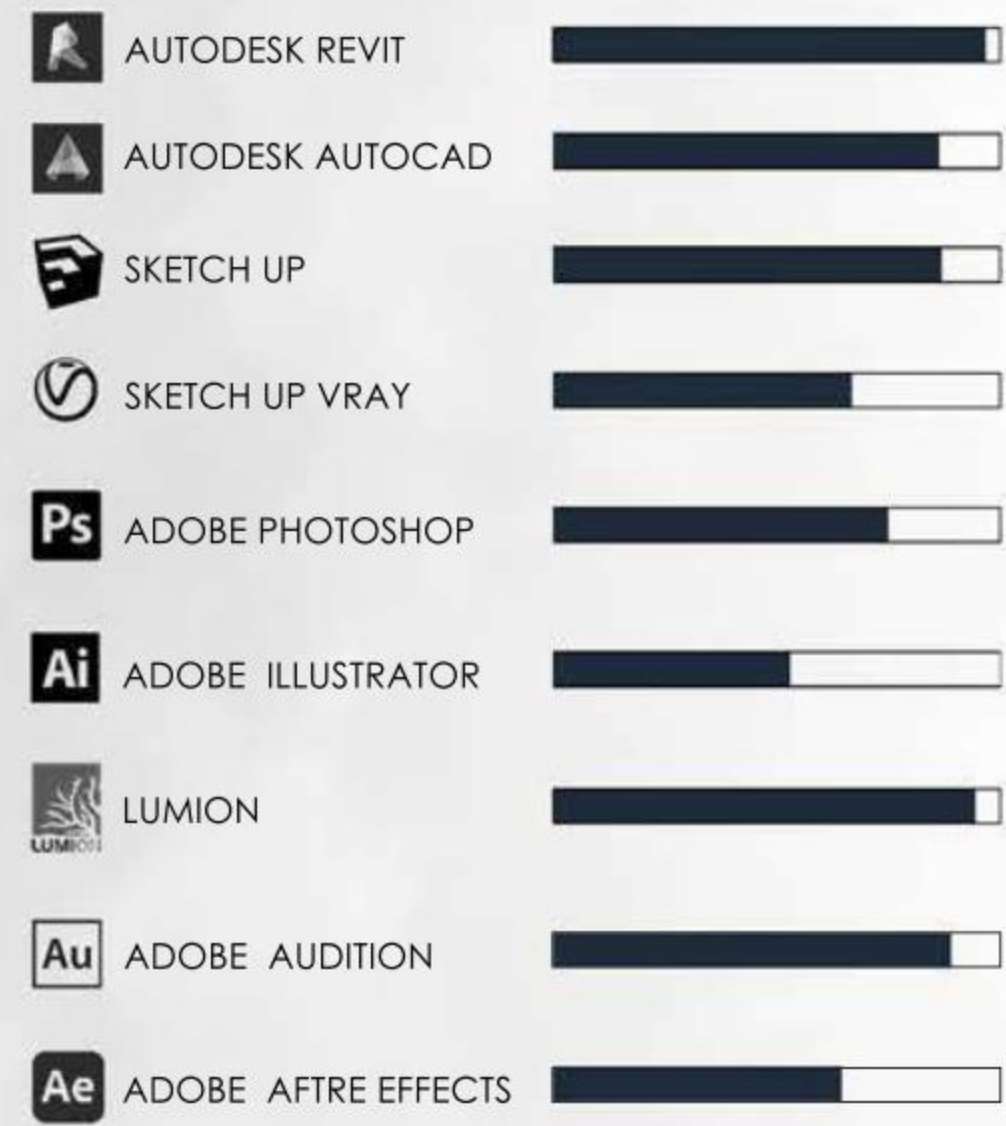
LANGUAGES

ENGLISH — ██████████
TAMIL — ██████████
HINDI — ██████████
URDU — ██████████

HOBBIES



TECHNICAL SKILLS



- Photoshop for render postproduction and editing
- Good Knowledge of Revit ,Autocad , sketchup, Lumion

PRESENTATION SKILLS



REFERENCE

MEASI Academy of Architecture
87 Peters Road, Royapettah,
(Inside The New College campus)
Chennai 600 014.
Phone: 044-2835 0445

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#26, 4th 'B' cross, Koramangala Industrial Layout,
off Hosur Road,
Koramangala, Bengaluru, 560 095, Karnataka, India.
Ph: +91 80 2552 5585, 4110 5599

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01 RE-THINKING RURAL SCHOOL WITH SOCIAL AND CULTURE

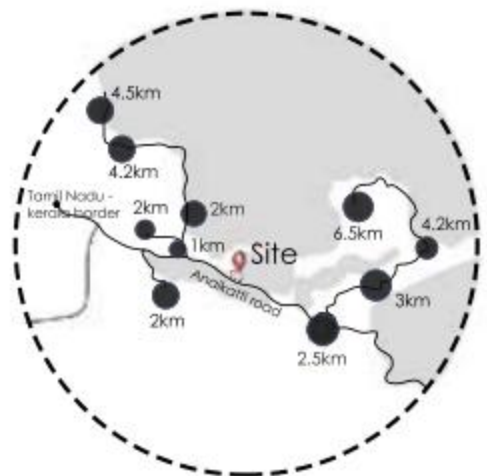
Measi Academy of Architecture, Chennai | Instructor : Prasanna pandian | Site : Anaikatti , Coimbatore | Individ

During the first 14 years of life, An average child in India spends approximately half of the Time awaken in the school environment. This project gives me an opportunity to design a school which provides all the necessary facilities to ensure a healthy, comfortable and pollution-free environment needed for children.

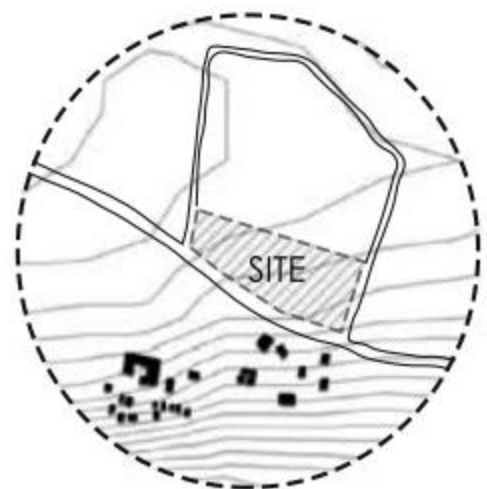
A digital rendering of a rural landscape at sunset. In the foreground, a black and white cow stands on a dirt path. To the left, a fenced-in field of green crops is visible. A large, leafy tree stands on the right side of the path. In the background, there are several buildings with red roofs and some palm trees. The sky is a mix of orange and purple, with a few birds flying. The overall scene is peaceful and idyllic.

RURAL SYNTHESIS

Annual Academic work - 20 weeks



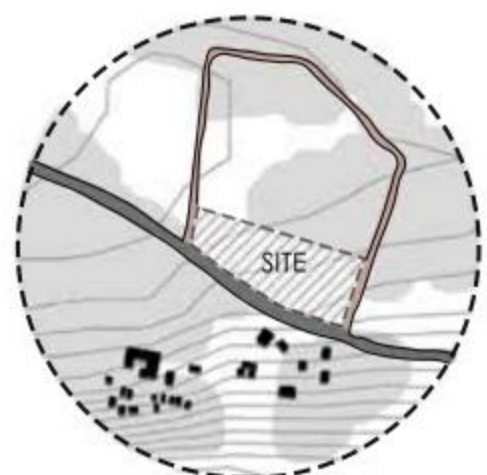
● - Tribal Settlements



■ - Built Space □ - Open Space



■ - Natural Features



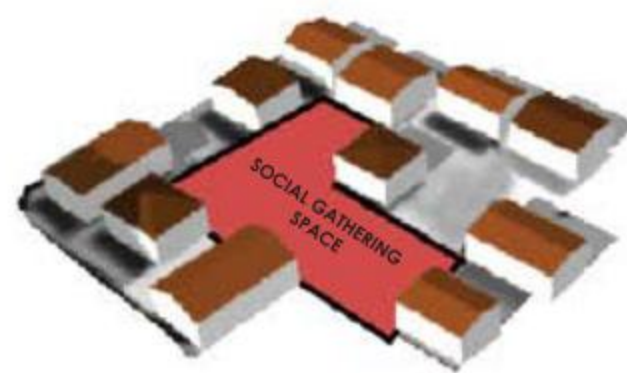
■ - Primary Road ■ - Secondary Road

CONCEPT



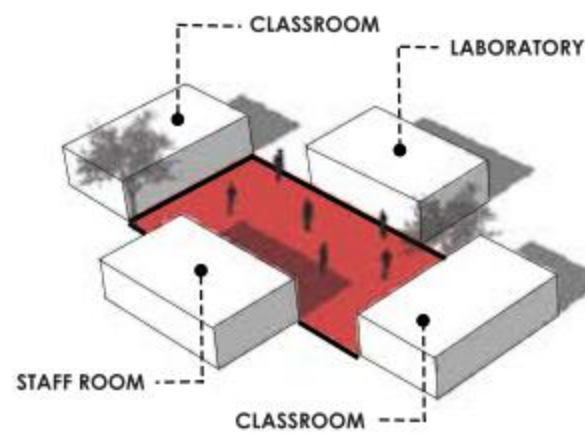
TRIBAL SETTLEMENT

The entrance to the cluster is **narrow to protect them from animals** and space in the center is used as a social gathering space where all the activities happen



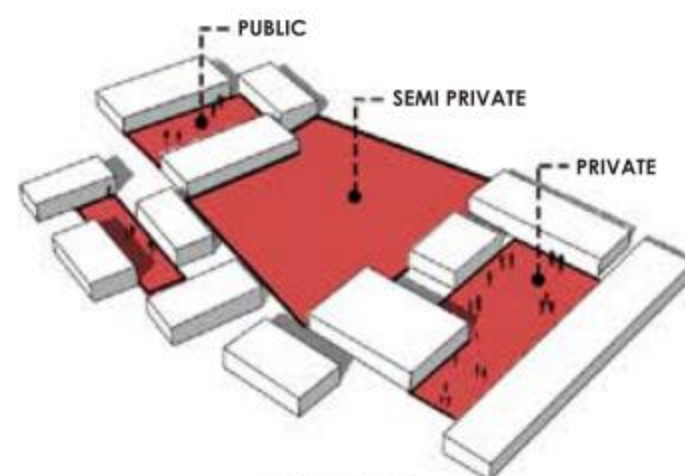
CLUSTER

The pattern from the cluster is taken where the houses act as a classroom and central place act as an interesting courtyard shared by classroom. Where different types of the activity takes place.



MODULE

The pattern is multiplied in a different way and in different scale. every cluster has its own courtyard/interaction space and all the spaces opens up into a courtyard.



ZONING



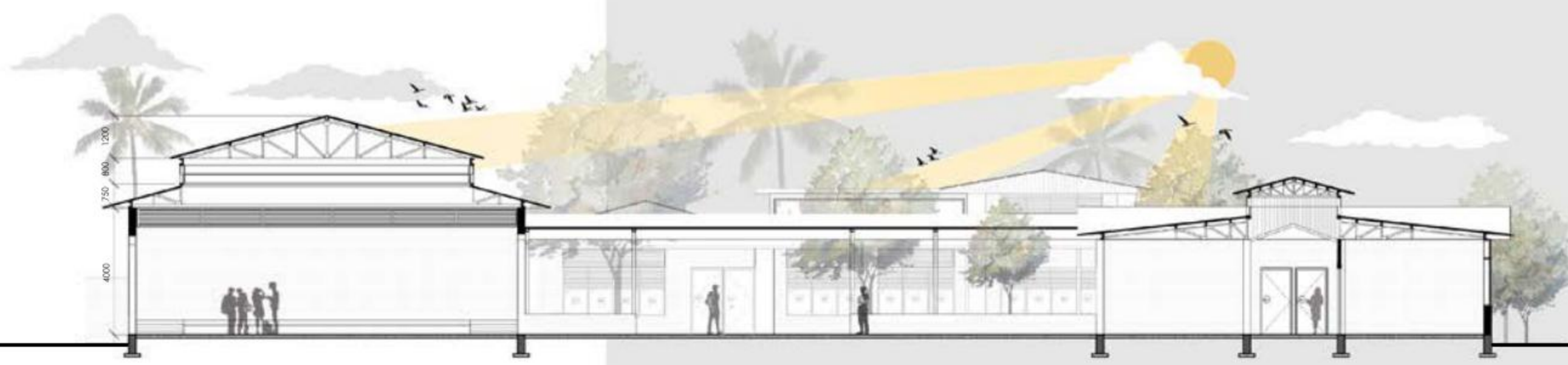


MAIN BLOCK

ADMIN

EARLY SCHOOL

PURPOSE



SECTION - 5



CLAY TILE ROOF

Its a locally available material
It also keeps the classroom
Cool. And reduce the carbon
footprint

STEEL TRUSS

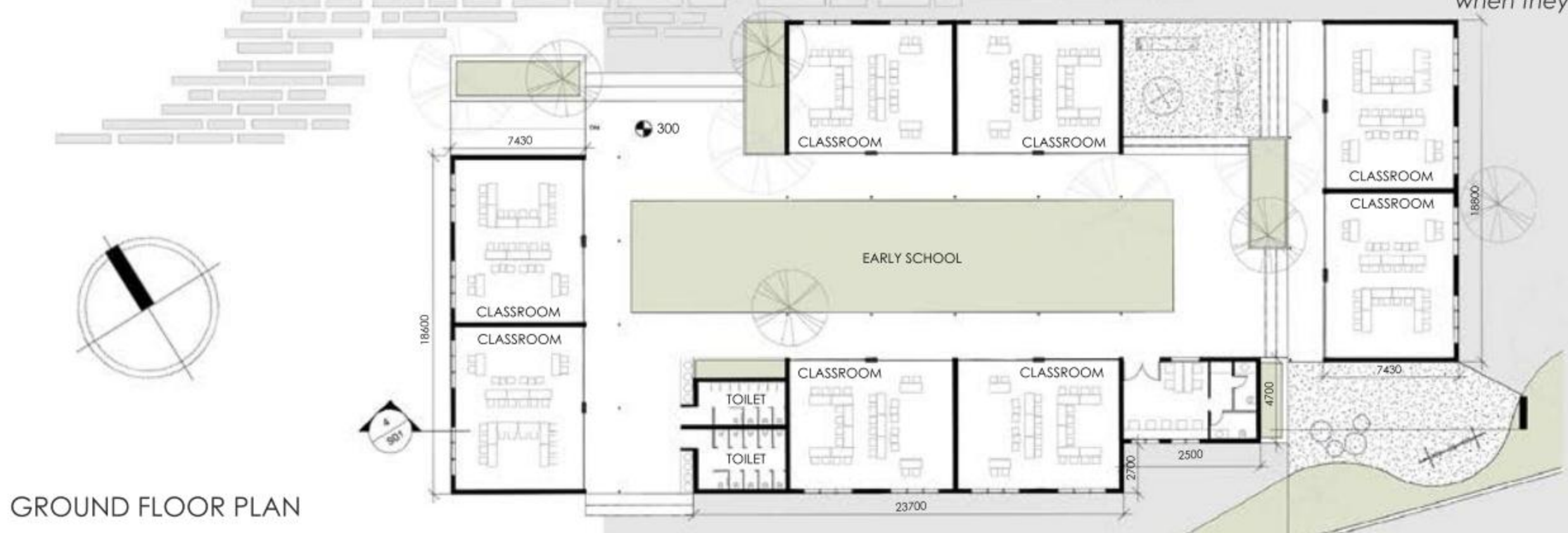
ISMC channel is welded to
MS box section.

CSEB BLOCKS

It acts as a security barrier
from both sun and wind and
also a healthy environment
for the kids

**BAMBOO LOUVERED
DOOR**

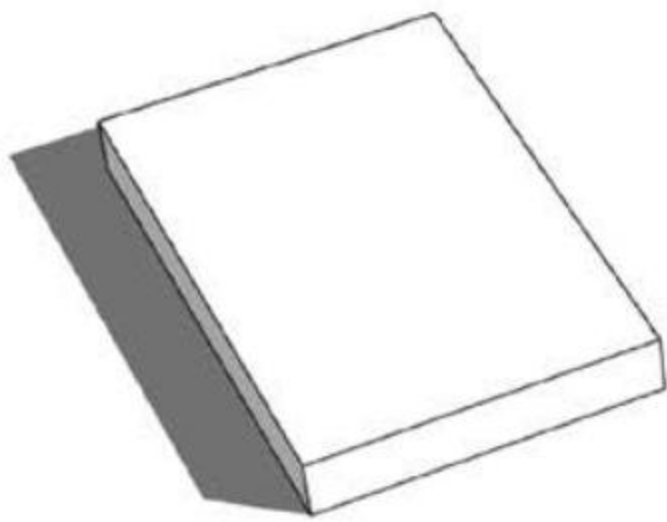
The bamboo doors and
windows have frames that
allow air circulation even
when they are closed



GROUND FLOOR PLAN

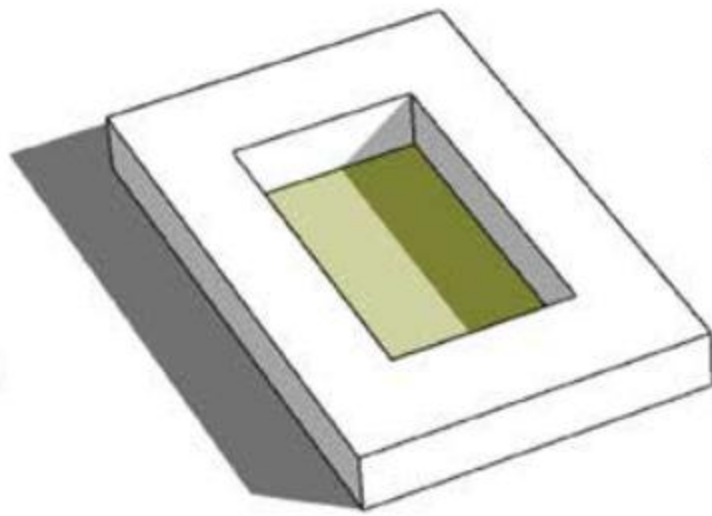


Haled Riyaz



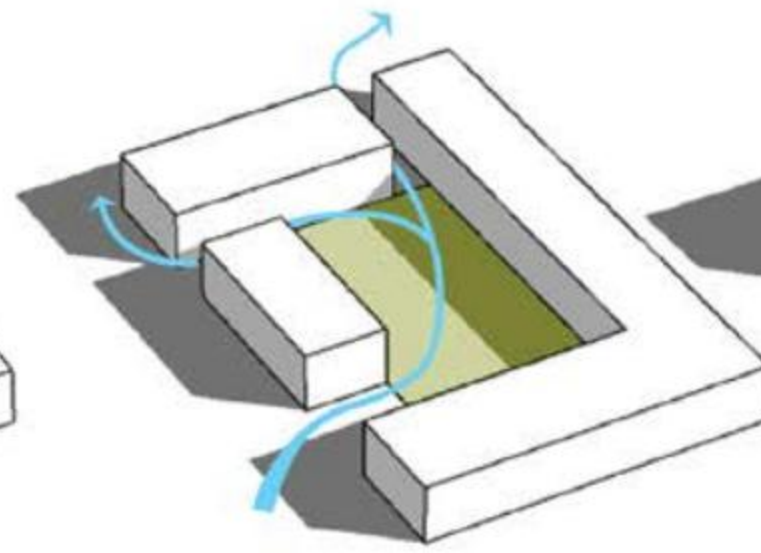
STAGE : 1

Keeping the student environment in mind, the outer walls of the building encompasses a protective layer for a safe and comfortable education



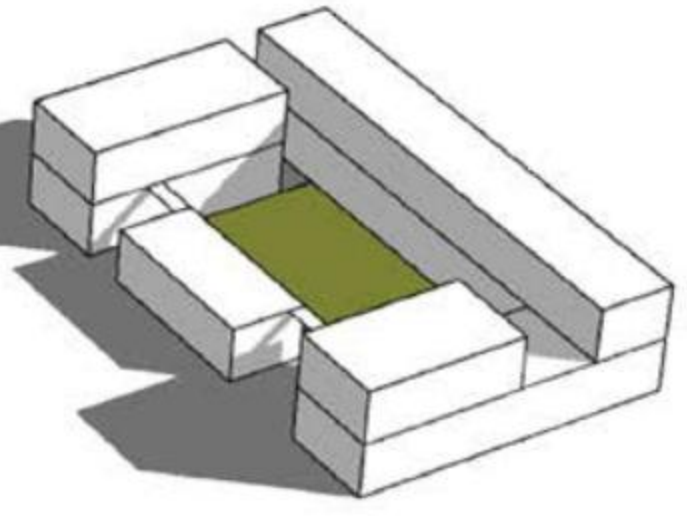
STAGE : 2

The built form gently accommodates the fundamental spatial usage of the school encouraging students to learn and explore



STAGE : 3

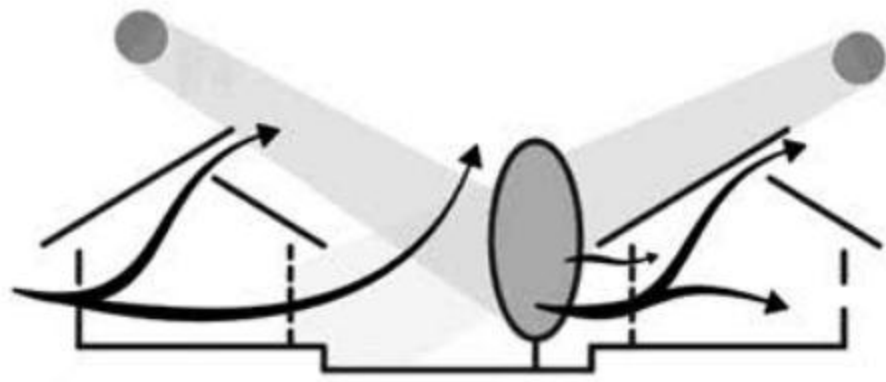
Intermediate spaces are carved out in between the blocks, according to the wind flow in the site.



STAGE : 4

The scooped out volume (800sqm) is been transferred to the first floor.



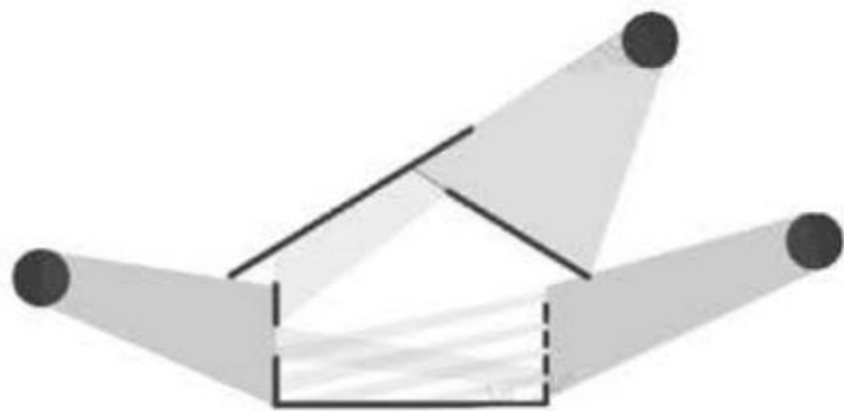


COURTYARD EFFECT

The courtyard acts as a central element in enhancing passive cooling techniques.

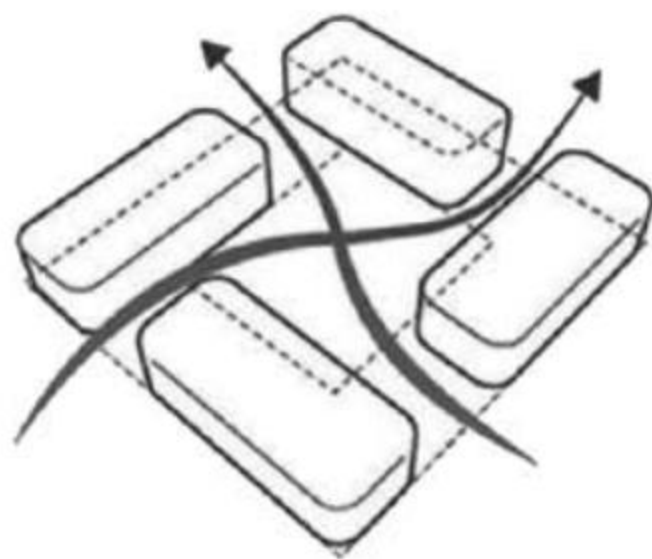
MICROCLIMATE AND COURTYARD

The shade cast by the enclosure and the tree in the courtyard provides a thermally comfortable outdoor environment.



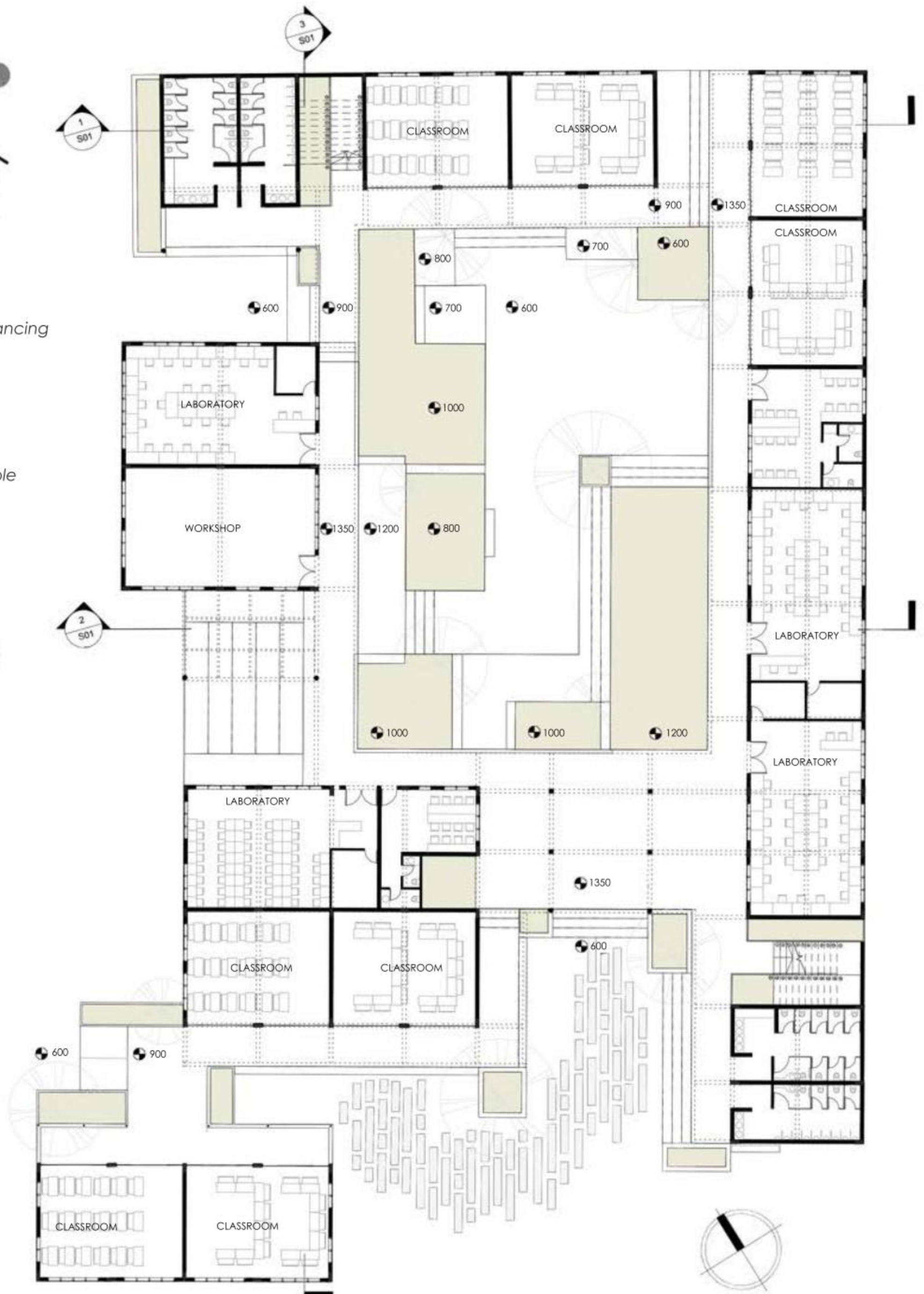
DIFFUSED DAYLIGHT

Creating a well-lit environment for students by blocking direct sunlight and letting indirect light inside the classroom. It provides a filtered and diffused light in the classroom which creates a sense of serenity and interest



WIND MOVEMENT

Voids created between the blocks allowing the continuous movement all through the site



GROUND FLOOR PLAN



Every classroom and program faces the courtyard. The spaces are arranged to create an open central area aiming to respect and highlight the tree's existence where different kinds of activity occur.

ENCLOSURE

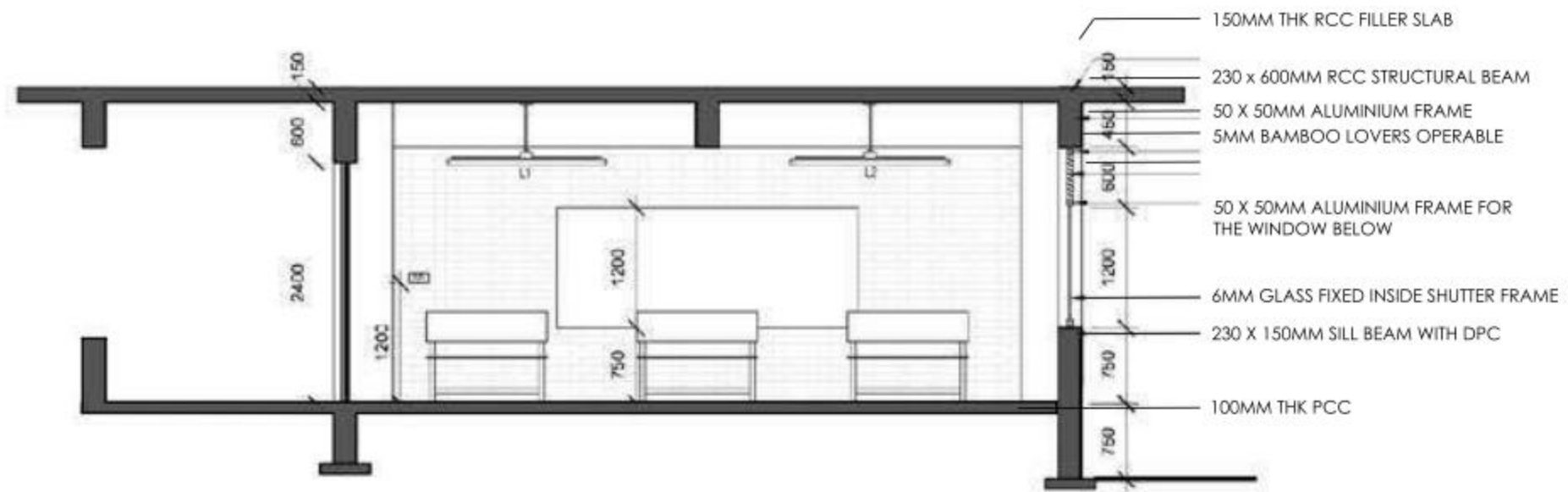
Walls are made of locally available bricks. By following Rat-rap bond offer enough thermal capacity to keep the interior space 30% cool

The wooden door and windows have frames that allow air circulation even when they are closed in this way and the sloped roofs aim to free the hot air from the inside to the outside

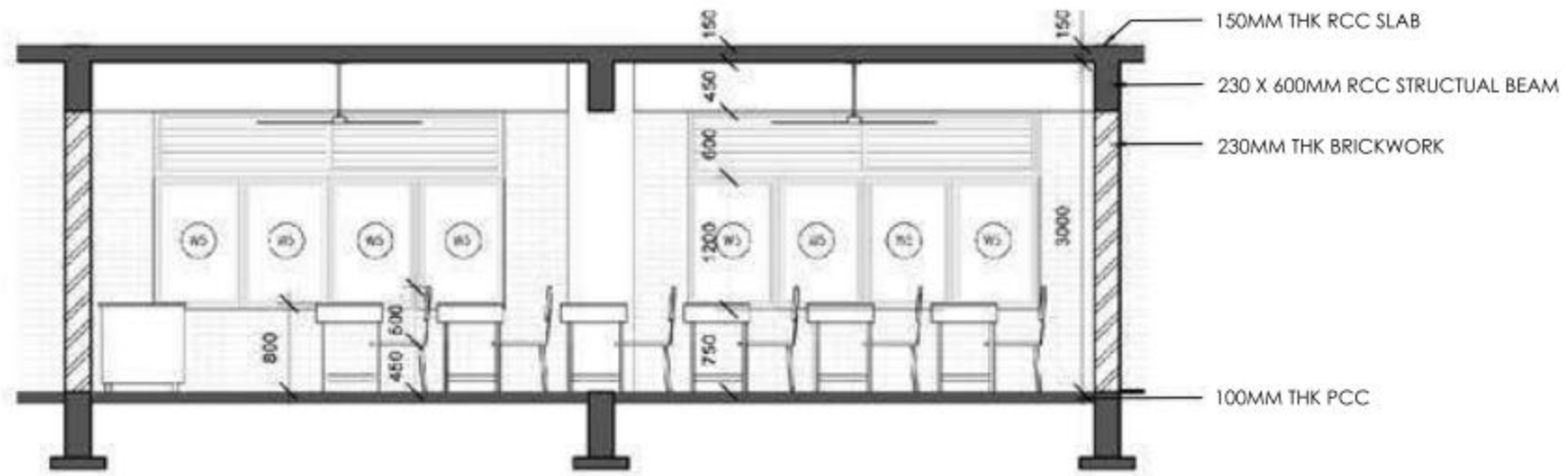
ROOFS

Clay tile roof is used as a roofing material. The roofs are connected to a system of gutters. The water overflow from the gutter goes to the planter box below





TYPICAL CLASSROOM SECTION - 01



TYPICAL CLASSROOM SECTION - 02





02 CENTRAL SQUARE - URBAN DESIGN INTERVENTION

Measi Academy of Architecture, Chennai | Instructor : Mohamed Anis | Site : Chennai central square | Group of

To identify the link between the proposed development strategy of the central plaza and salt cotours area as an urban node and its present development condition without compromising the rich heritage possessed by the intervention areas. Main transit hub, has central, suburban, and MRTS nodes. Access through Poonamalle high road.



academic work - 16 weeks



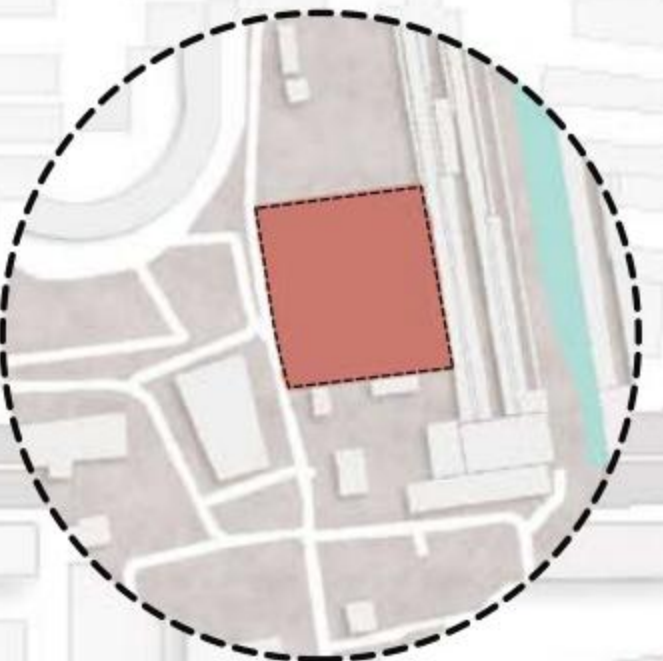
CENTRAL TOWER

The Commercial Complex proposal for 20 Floors with 3 levels of basement car Parking.



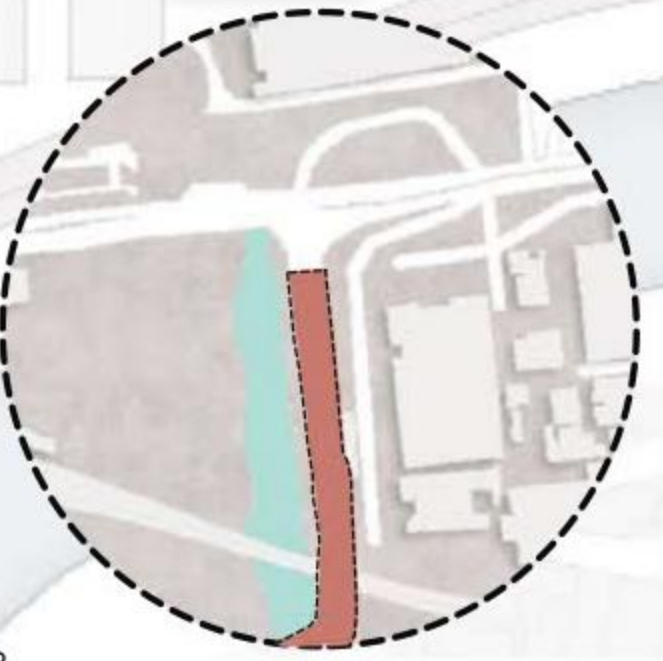
ALLIKULAM COMPLEX

The Allikulam Complex Re-designed to suit the existing scenario and to avoid the illegal Encroachments, not compromising on its function



THE POD HOTEL

Capsule Hotel, which would be affiliated to the Chennai Central offering Rooms at a nominal Price for Travellers.



STREET SCAPE

People's plaza along with the canal ways. And converting the Pallavan salai into a green corridor.







The challenge lied in treating the existing pallavan salai to actively support and ease the pedestrian movement of the station to station commuters, so as to not find narrow and unsafe walkways.

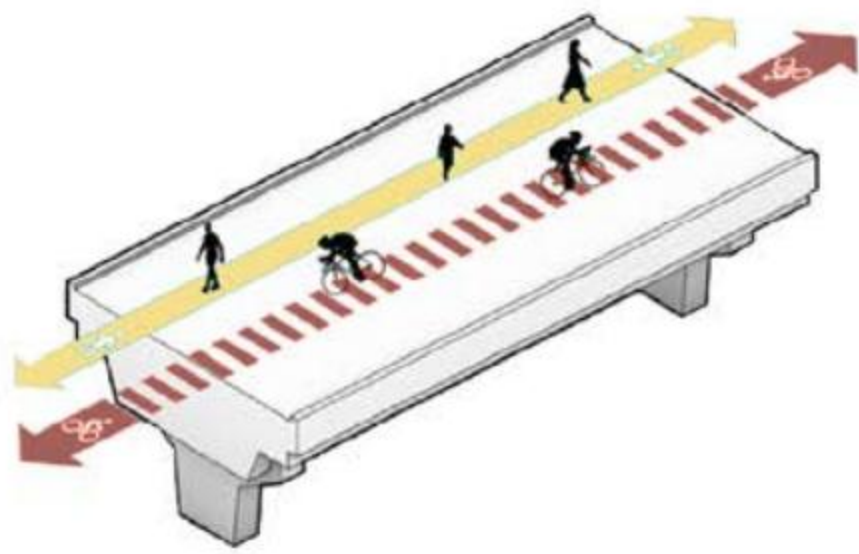
The deck would be the termination point of pallavan salai, providing views to all the heritage structures of the stretch across the bridge. It would be a dedicated line giving importance to one and only pedestrians and cyclists. The road would now support multiple activities. And can be made completely activity based on weekends.

As pallavan salai creates major traffic in Ponnammale road converting it into an elevated pedestrian park, which will encourage walkability in the city and activates the unsafe zone. The New elevated park offers an alluring break from the chaotic city streets as users have an opportunity to experience an elevated space with an uninterrupted view of the Heritage buildings.

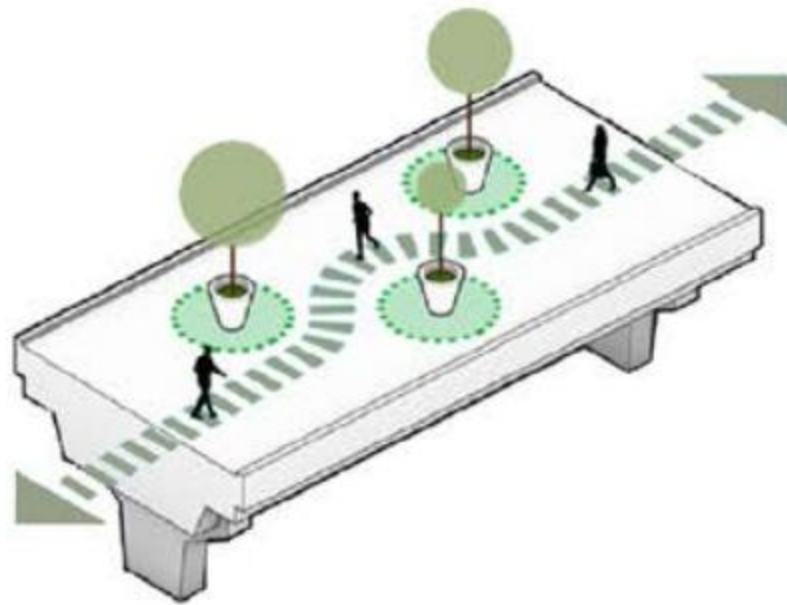
In providing a stretch where we promote hawker activities. opening up the under belt of pallavan salai to restored the Buckingham canal to mutually activates both the stretches. Even the most neglected part of the city can help to catalyst a brighter future. That would transform a desolate part of the bridge into a positive asset to the city



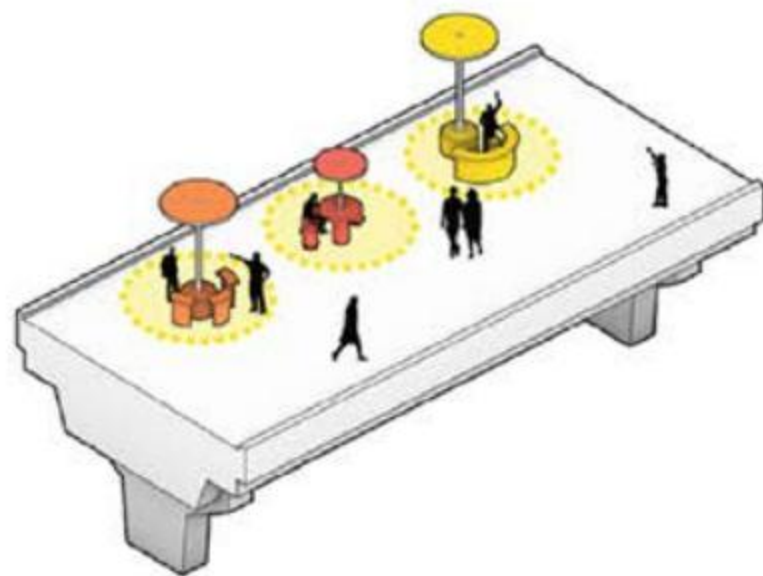
CIRCULATION



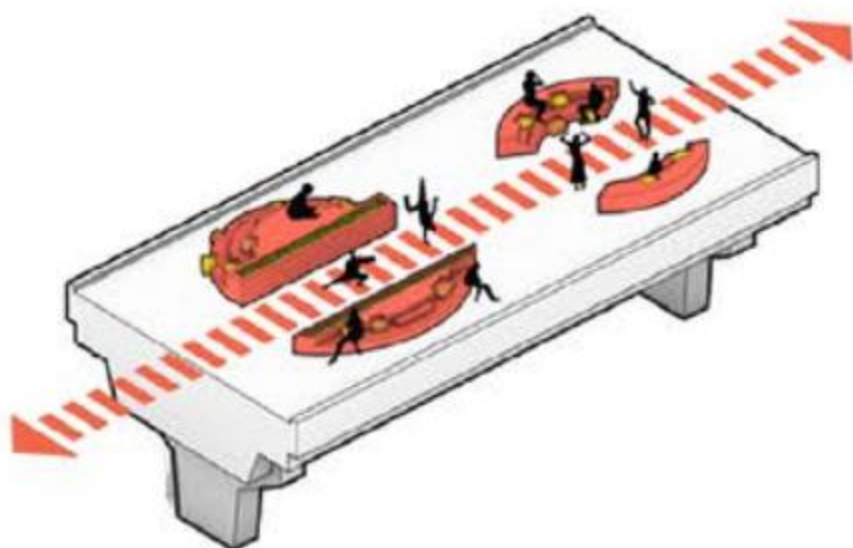
GREENARY

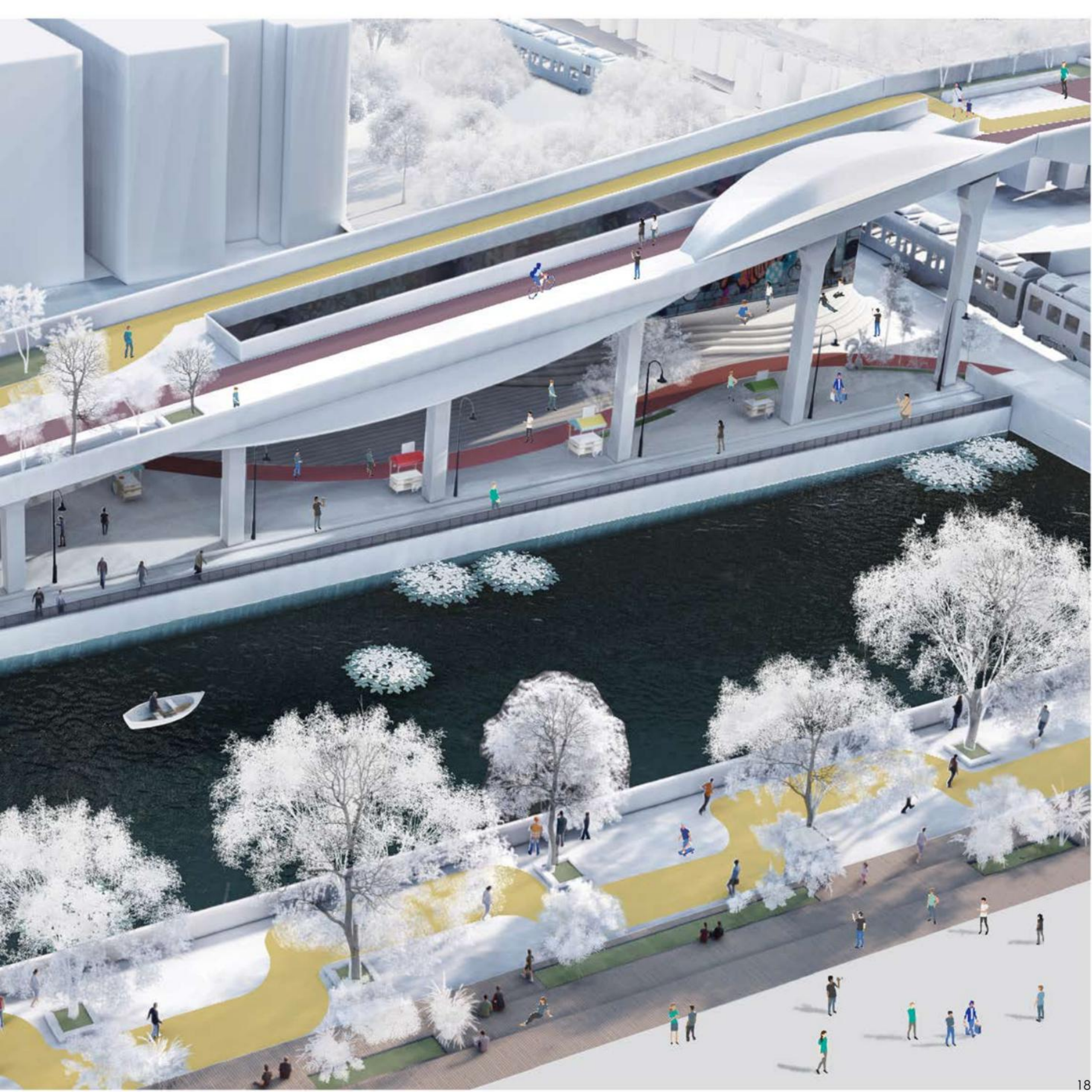


MARKET



AMPHITHEATRE







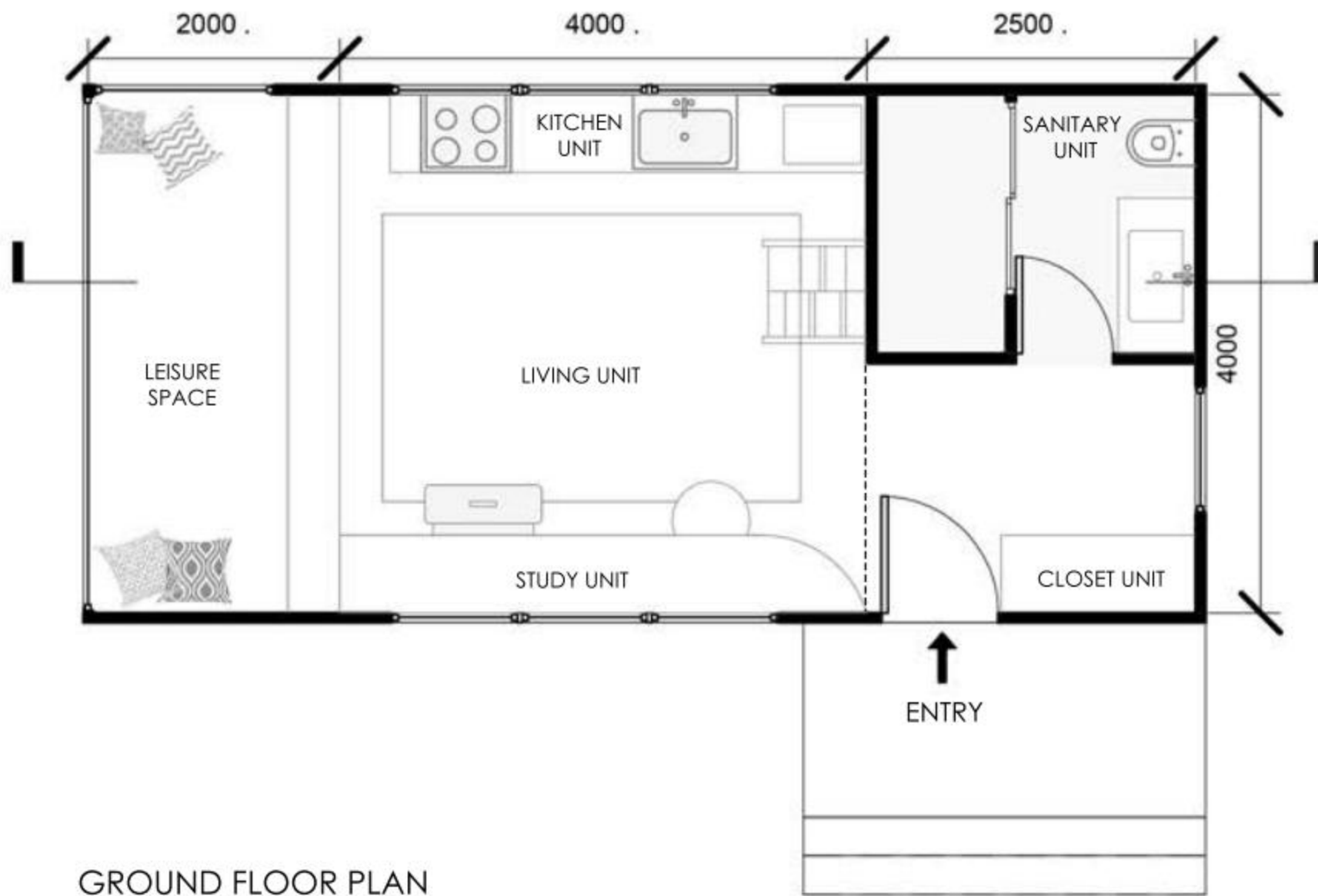
03 INTO THE WOODS - TINY HOUSE

Volume zero competition | Software used - Cad , Sketch up , Lumion , Photoshop | Individual work - 5 weeks

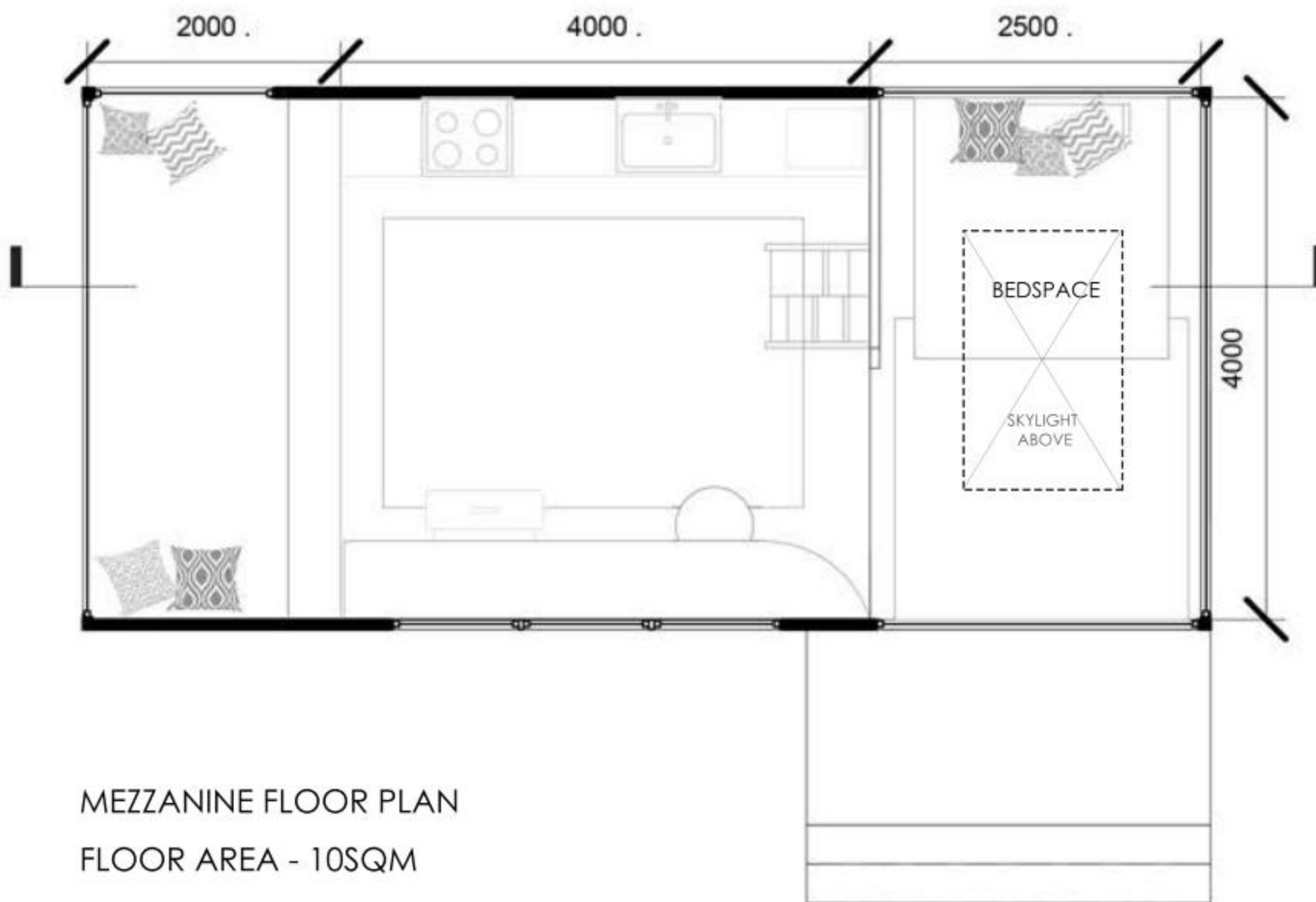
The housing problem is one of the big issues in the modern world, in which living units become smaller and smaller. To take this problem, spatial order is the only way that makes a tiny house a home. The tiny house is an architectural and social movement that advocates living simply in a small house.



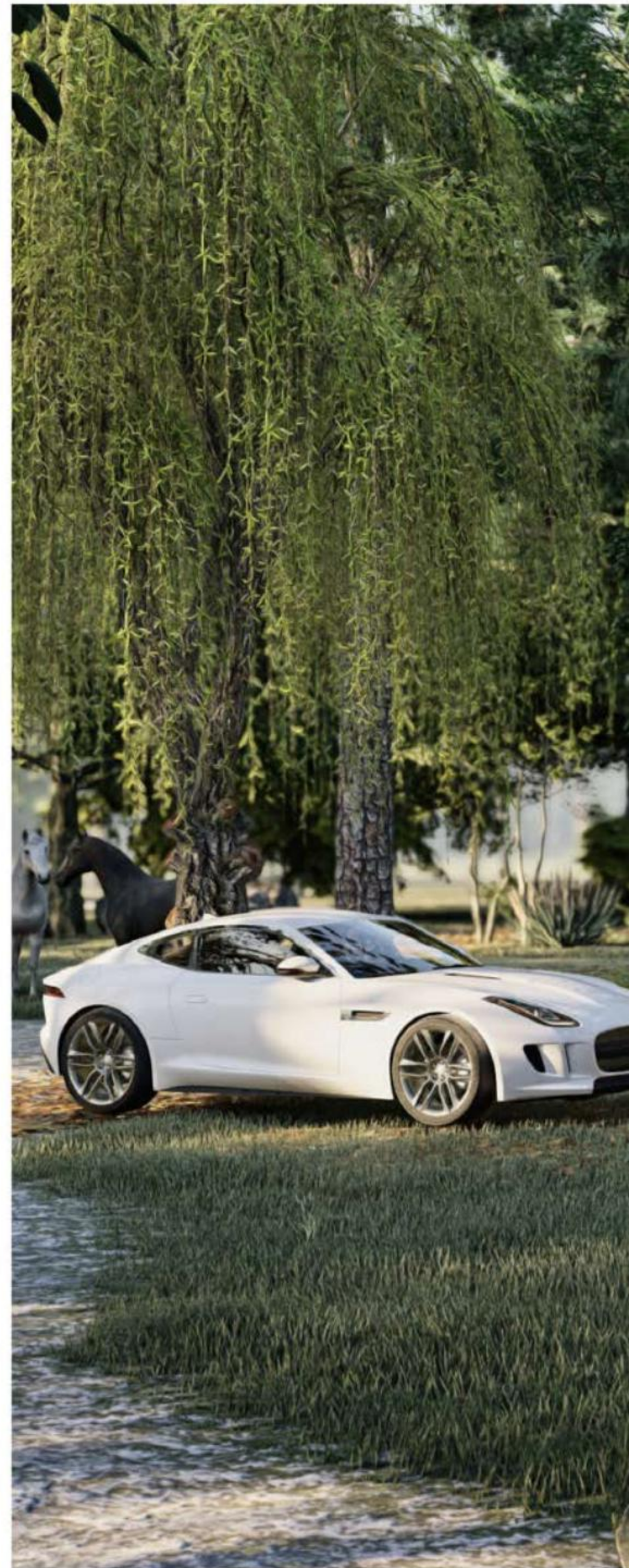
Haled Riyas



GROUND FLOOR PLAN
FLOOR AREA - 34SQM



MEZZANINE FLOOR PLAN
FLOOR AREA - 10SQM





This movement seeks to revamp the notions of home and it aims to celebrate individuality, redefine sustainability and exalt simple, resourceful living.

Tiny house promotes financial prudence and economically Safe. It is designed to be placed in nature and is entirely off-grid.

The idea behind the tiny house was to create nature-based ecoscape. Where the guest would disconnect from the city life in a beautiful natural landscape.

The material used is simple and compliment each other. With high ceilings and large window, it creates a generous sense of space.





7 Leisure space



4 Kitchen unit

5 Study unit

6 Living area



1 Sanitary unit

2 Closet unit

3 Bedspace





04 ARCHITECTURE PARADIGM - INTERNSHIP

Bangalore | June 2019 - March 2020 | Team Leader - Femina Rehman | Mentor - Fahem Ahmed



Man in white t-shirt and cap, arms crossed.

Man in dark polo shirt, arms crossed.

Man in white t-shirt and sunglasses.

Woman in dark polo shirt.

Woman in white hijab and light-colored top.

Man in white t-shirt with 'Eing' text.

Man in dark polo shirt.

Man in light-colored polo shirt and sunglasses.

Man in dark jacket and t-shirt.

Woman in dark t-shirt.

Woman in white long-sleeved shirt.

Woman in light-colored top and dark pants.

Man in dark button-down shirt.

Man in dark t-shirt with graphic.

Man in dark t-shirt with 'PREMIUM PRODUCE' text and sunglasses.

Woman in dark top and headscarf.

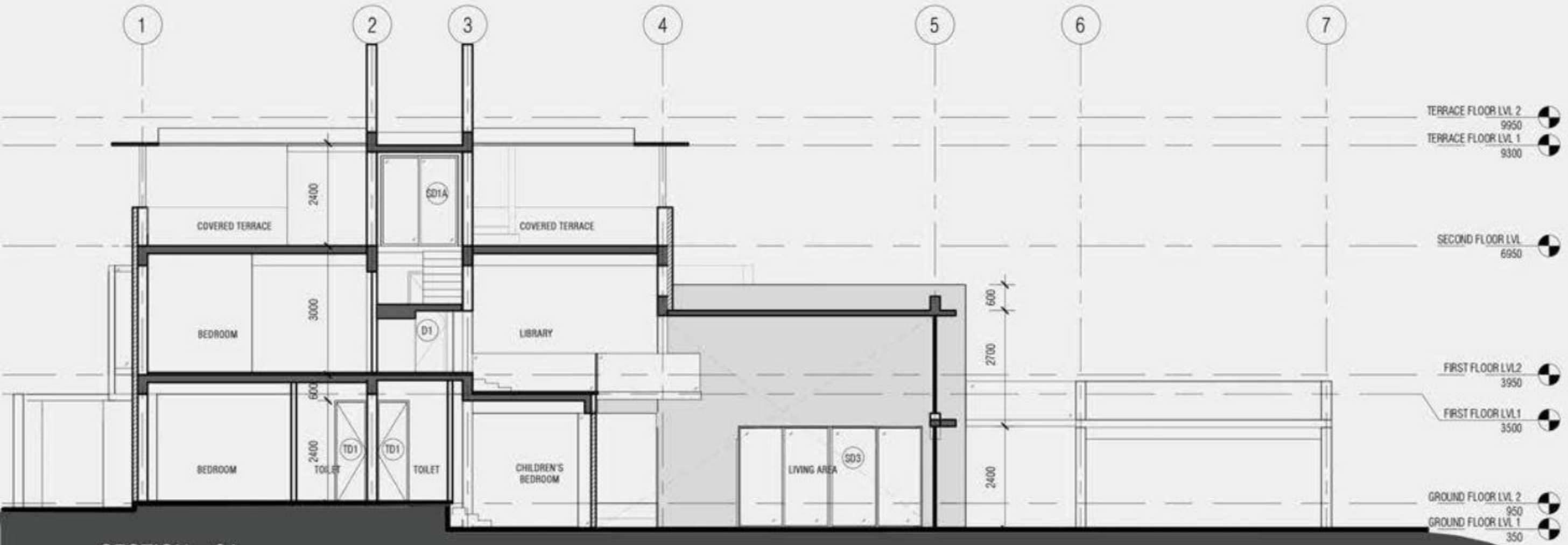
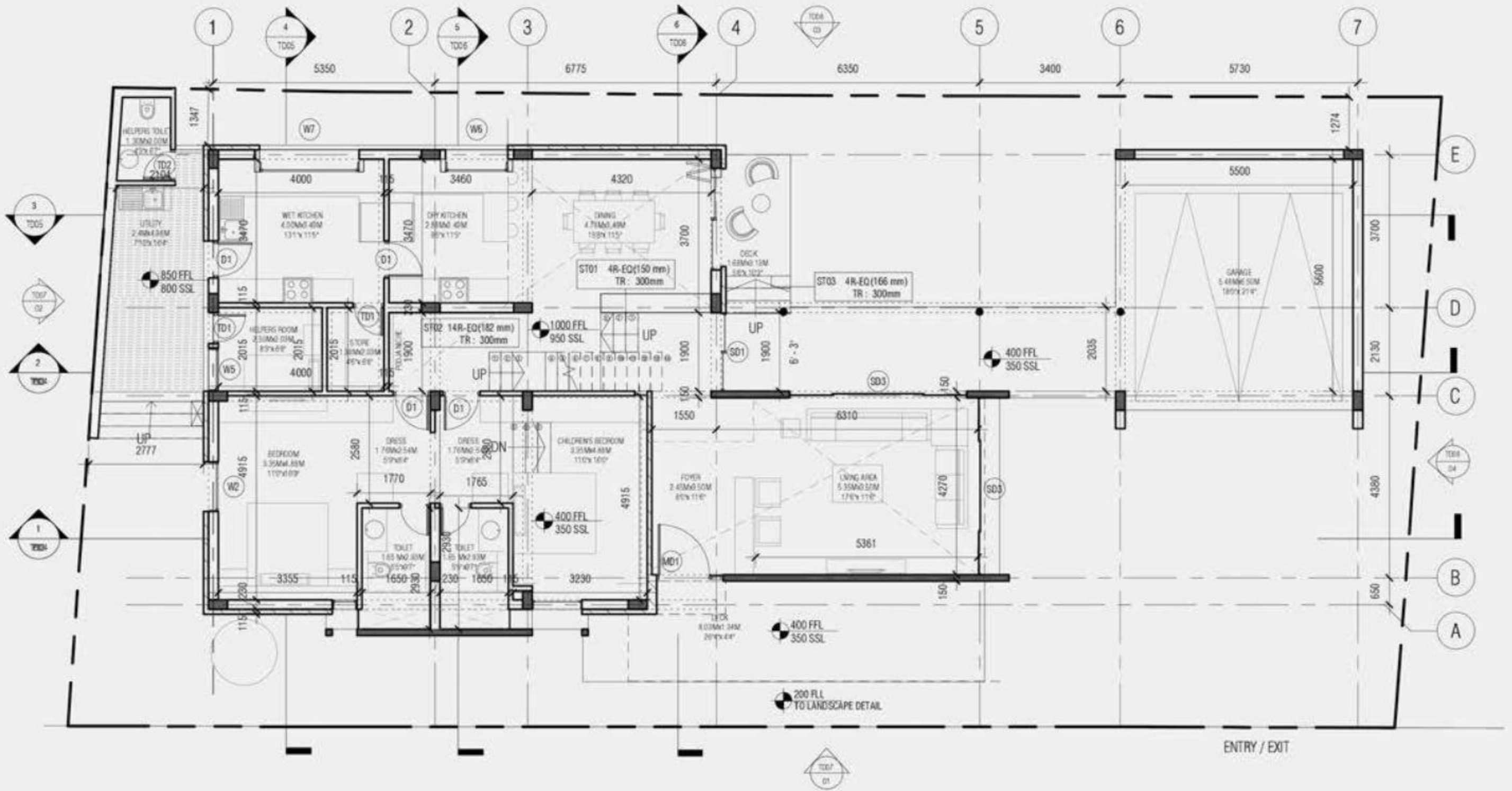
Child in white patterned shirt and dark pants, sitting on a woman's lap.

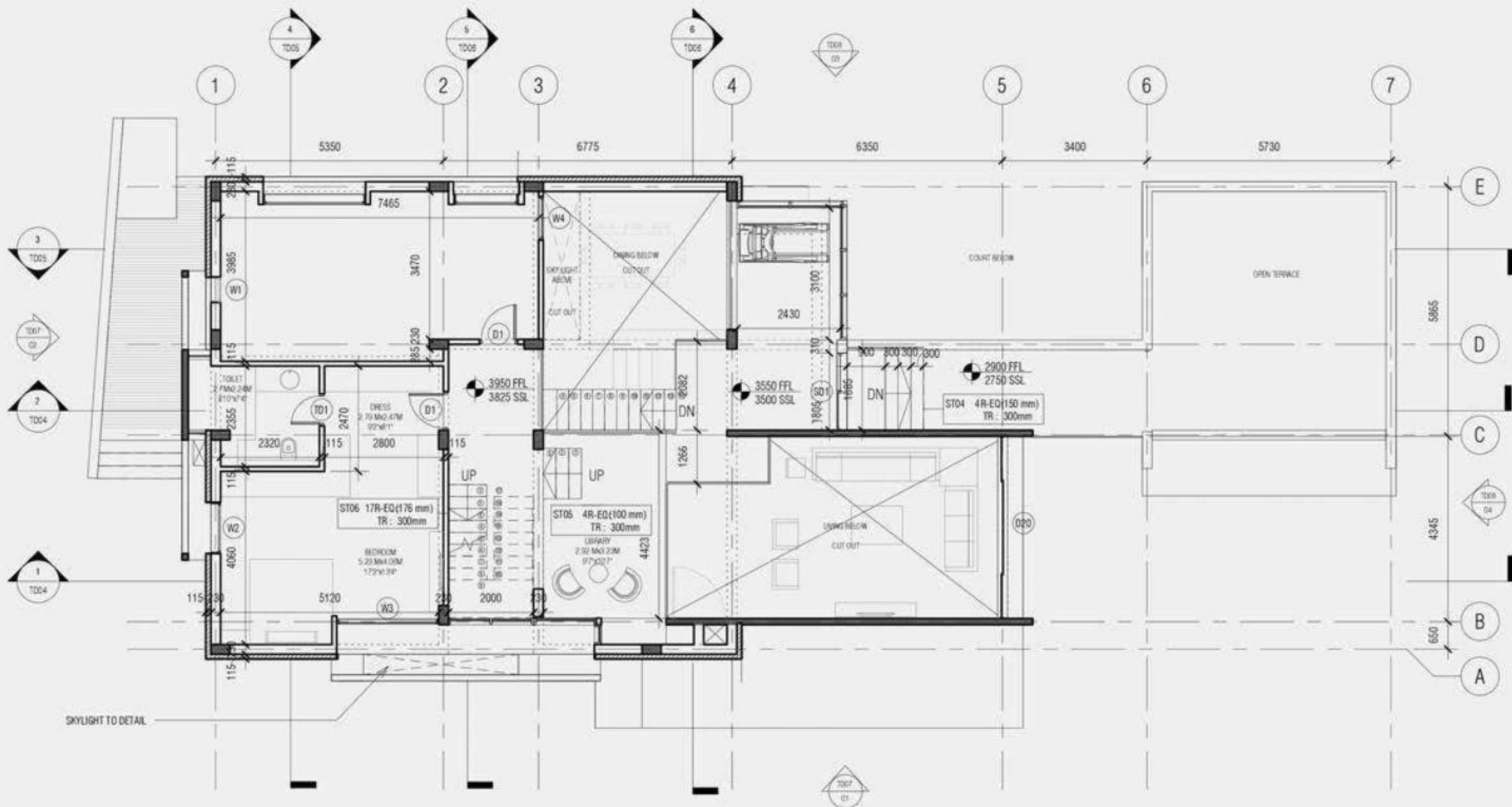
The brick house occupies a land parcel of 800Sqft on Tirupur. So the site creates an interesting opportunity to flip a typical suburban house condition and open up the major public areas to the backyard garden.

The house is conceived as an introvert form with a solid mass of Brick which stands still and bold from outside.

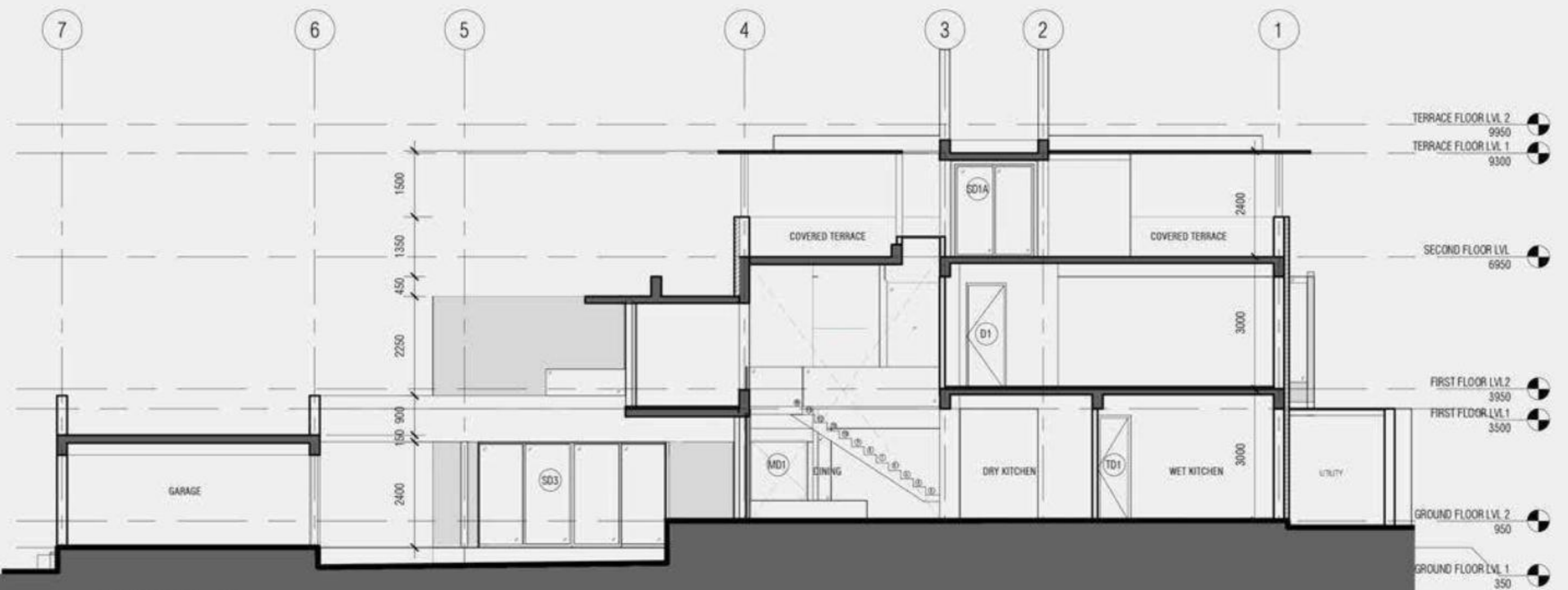
The dynamic play of light and volume is revealed only when one enters and walks through different spaces inside.







FIRST FLOOR



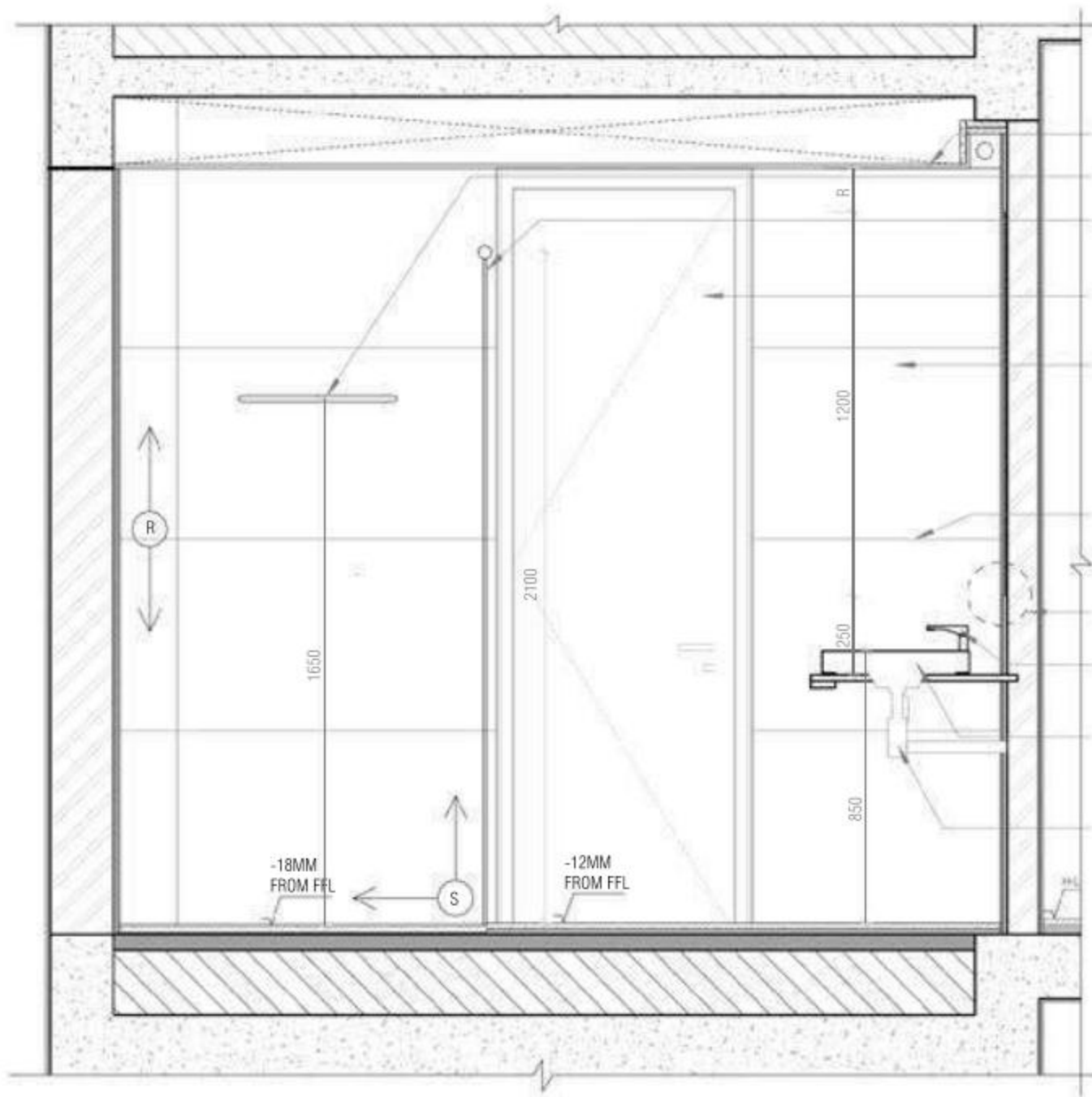
SECTION - 03

The living with its large volume is designed as a public node surrounded by built spaces that open up to the backyard verandah allowing a seamless view of the lawn

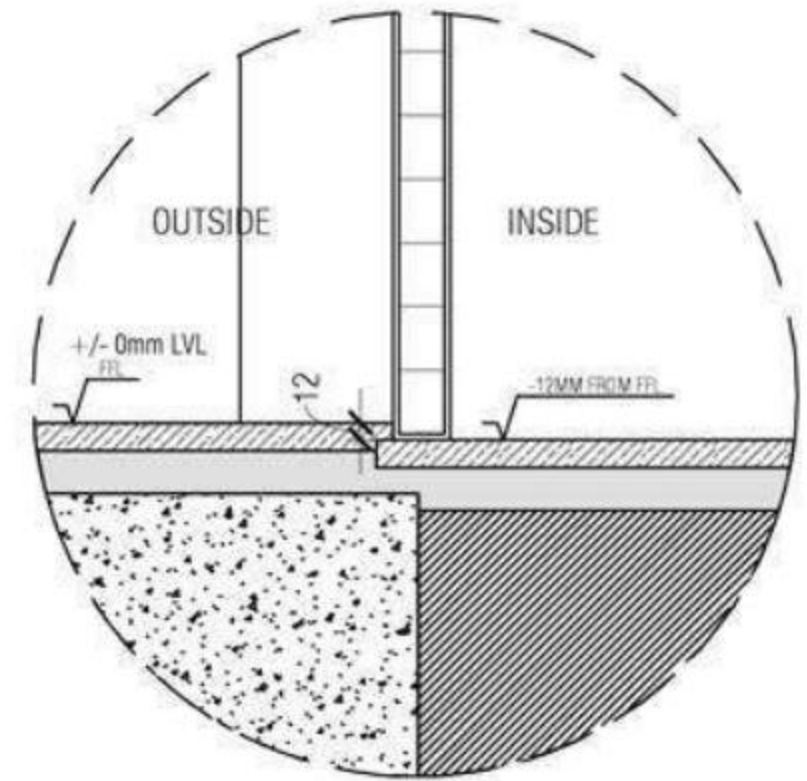
This house is an attempt to create a level of privacy within the urban environment, where the users could interact with each other and nature as playfully as possible.

The exposed brick walls constructed using Flemish bond, which creates a play in the volumes. and created a pattern on the facade



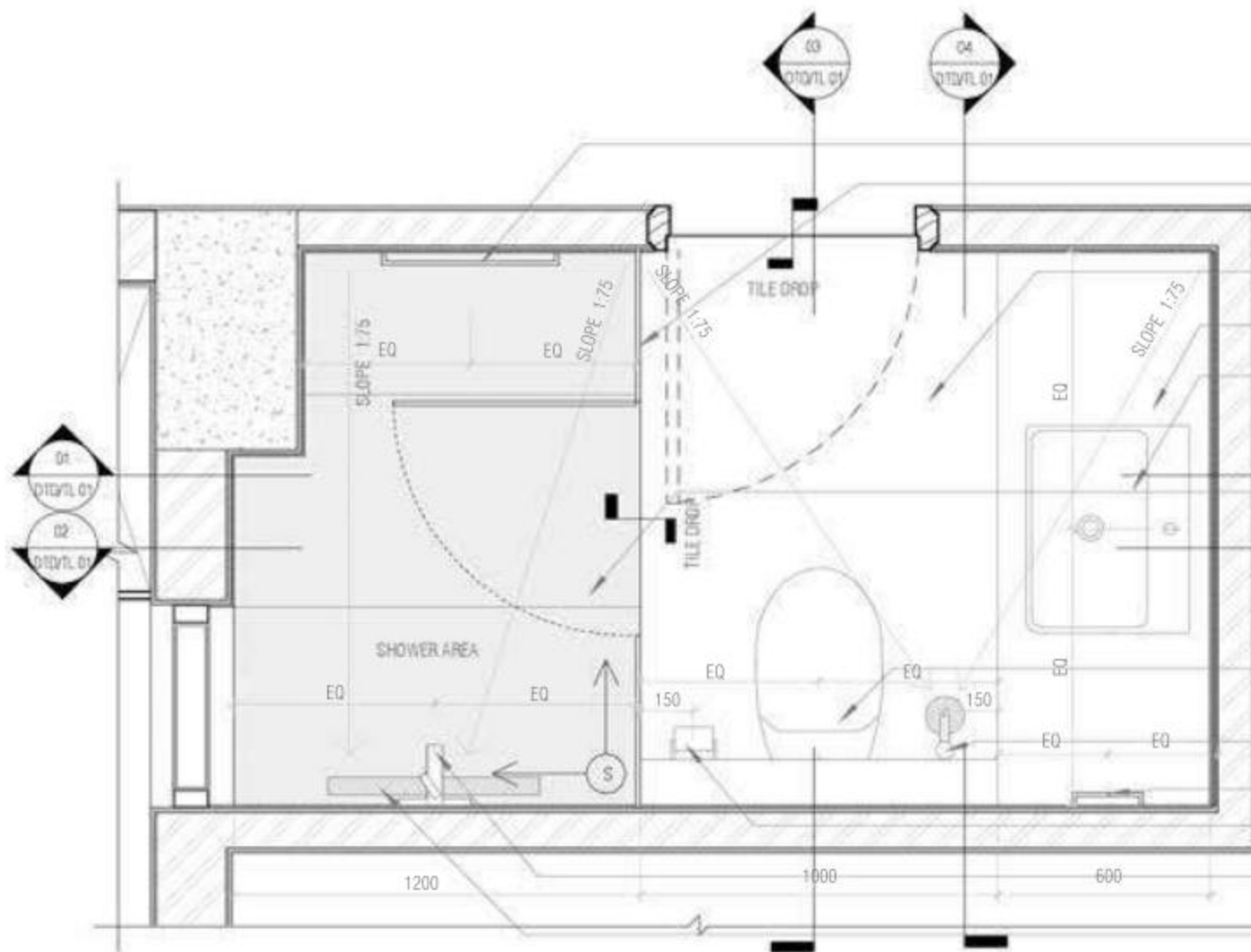


- FALSE CEILING TO DETAIL
- TOWEL ROD
- GLASS PARTITION AS PER APPROVED SHOP DRAWING
- TOILET DOOR SHUTTER INSIDE LAMINATE FINISH AS PER ARCHITECT'S SPECS
- WALL DADO - KAJARIYA 1200X600 MM OSLO GRIS TILES
- MATCH HORIZONTAL JOINTS OF TILES WITH ADJACENT WALLS
- DETAIL C
- PILLAR COCK - KHOLER CODE NO: 72312IN-4ND-CP
- COUNTER TOP WASH BASIN - KHOLER CODE NO :2660IN-1-0
- BOTTLE TRAP - KHOLER CODE NO : 75823IN-CP

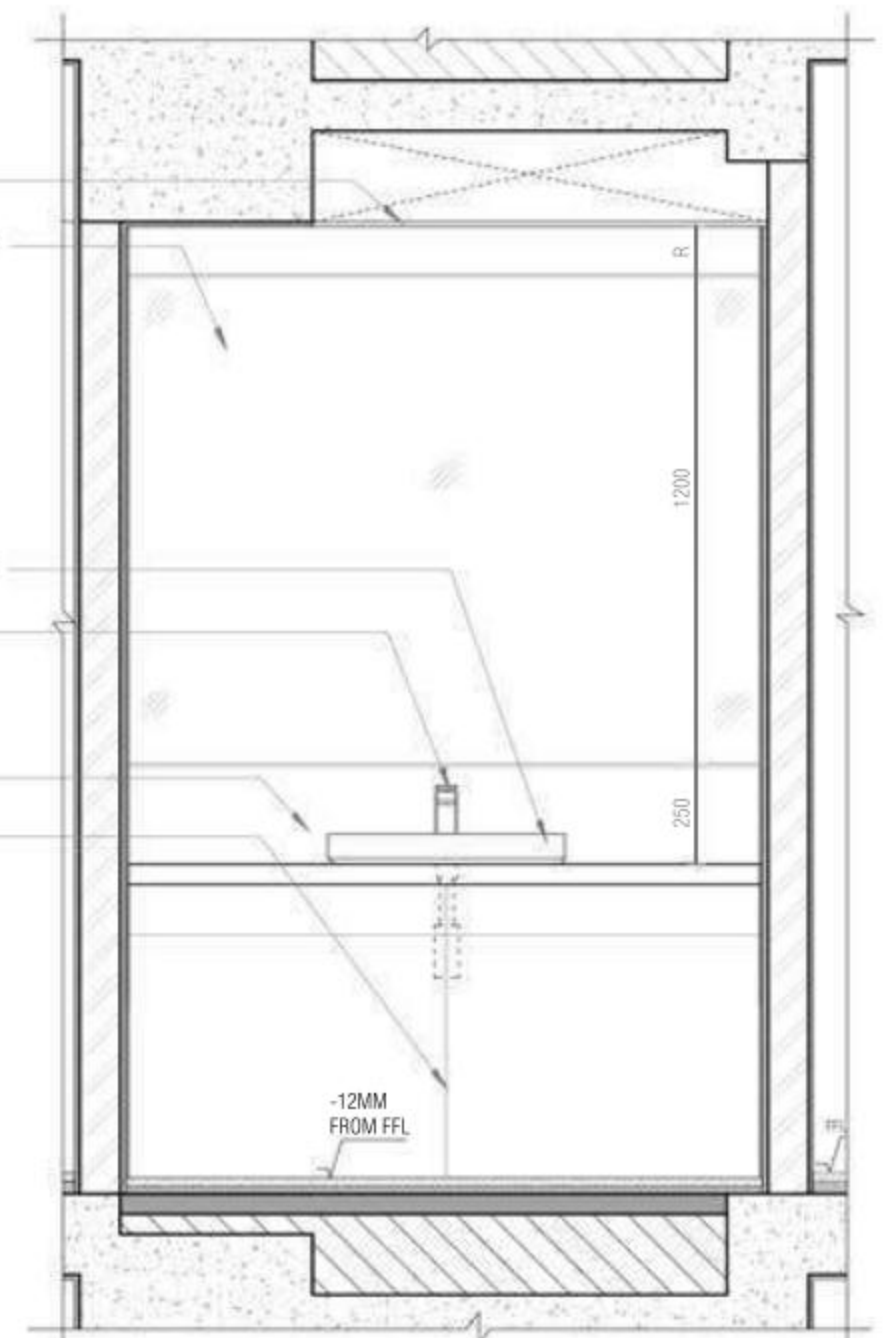


DETAIL A - SECTIONAL DETAIL AT THRESHOLD OF TOILET DOOR

SECTION - 01

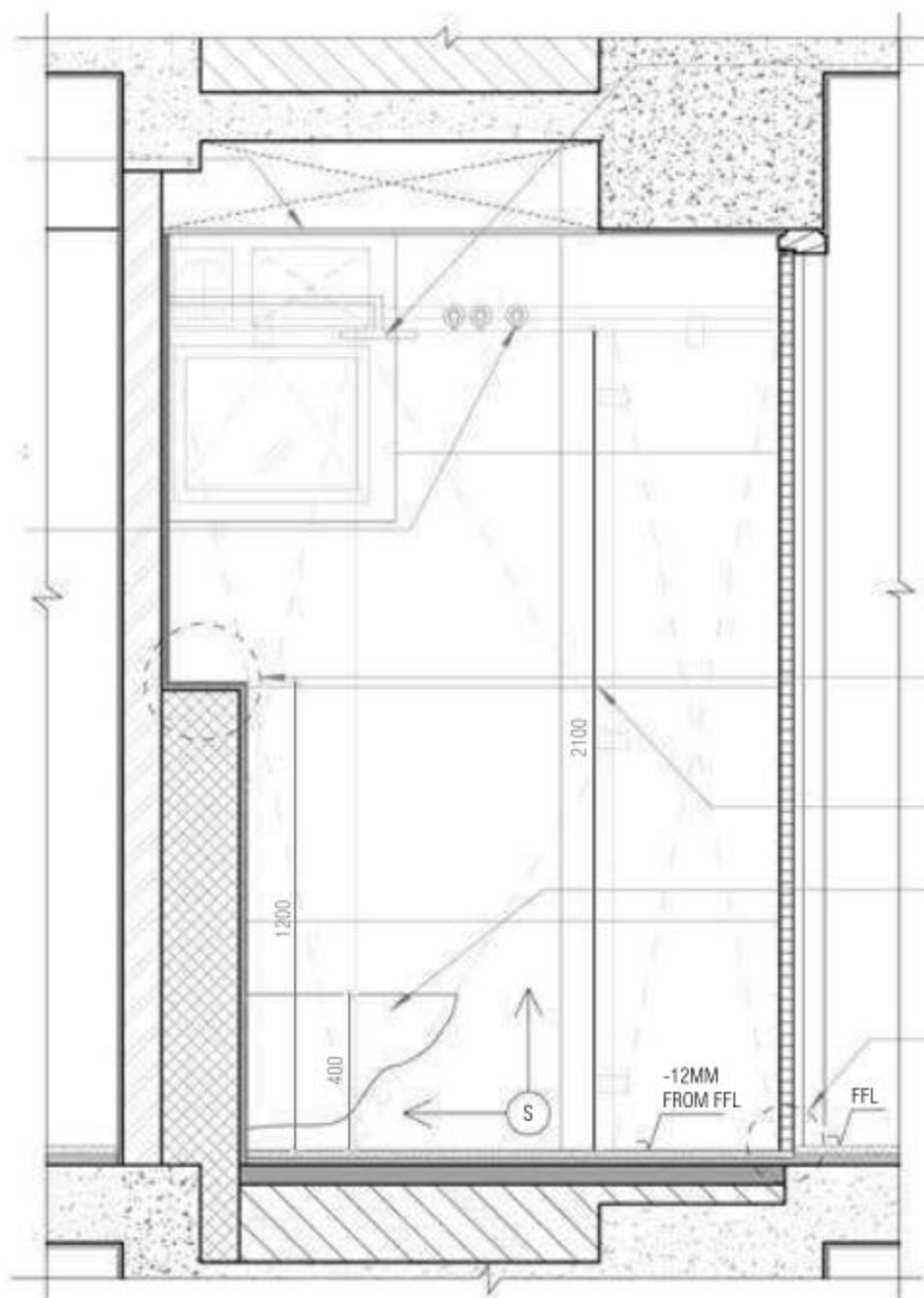


- FALSE CEILING TO DETAIL
- 6MM THK EXTRA CLEAR MIRROR FIXED TO 12MM THK PLYWOOD BEHIND USING 3M DOUBLE SIDED TAPE
- TOWEL ROD
- GLASS PARTITION AS PER APPROVED SHOP DRAWING
- DRY AREA FLOORING - WHITE MARBLE AS PER APPROVED SAMPLE
- WASH BASIN COUNTER - BLACK GRANITE AS PER APPROVED SAMPLE
- COUNTER TOP WASHIN BASIN - KHOLER CODE NO: 2660IN-1-0
- PILLAR COCK - KOHLER CODE NO: 72312IN-4ND-CP
- WET AREA FLOORING - KAJARIA 1200X600 MM OSLO GRIS TILES
- WALL DADO - KAJARIA 1200X600 MM OSLO GRIS TILES
- TILE JOINT
- WATER CLOSET - KOHLER PRESQUILE CODE NO : 18133IN-SS-0
- HEALTH FAUCET-KOHLER CODE NO : 12927IN-CP
- TOWEL RING
- TOILET PAPER DISPENSER
- BATH SPOUT -KOHLER CODE NO-99061IN-CP
- LINEAR FLOOR TRAP AS PER APPROVED SAMPLE



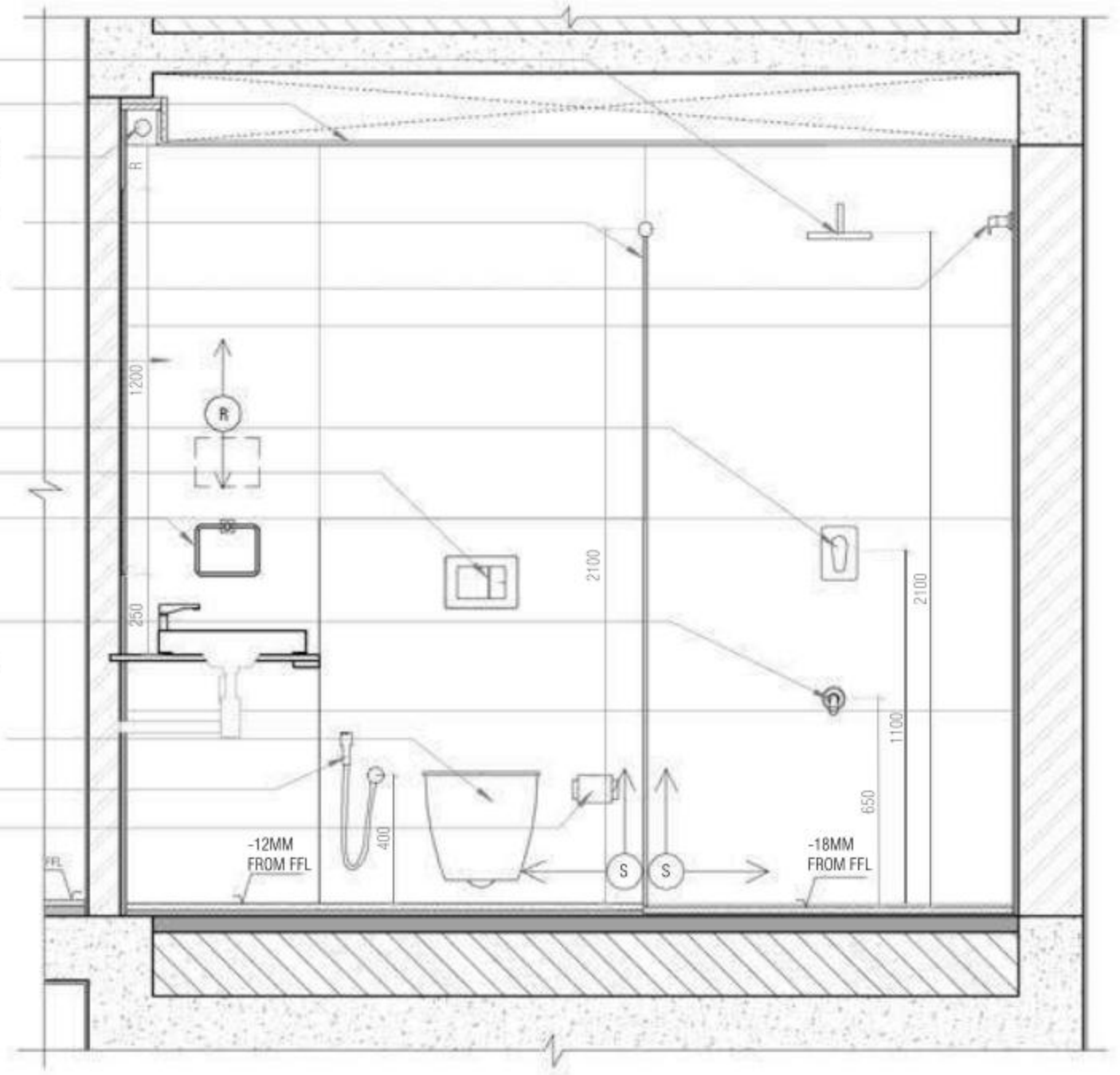
SECTION - 04

PLAN



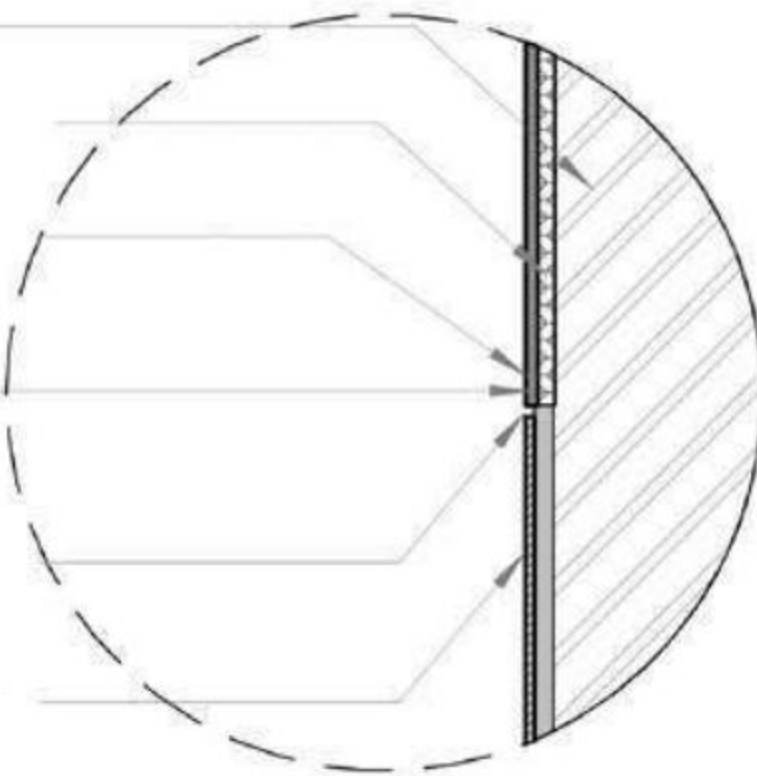
SECTION - 03

- SHOWER HEAD KOHLER
CODE NO : 73039T-CL-CP
- FALSE CEILING TO DETAIL
- COVE LIGHT WITH 19MM THK W/P PLY
TO PROFILE FINISHED WITH 8MM THK
CALCIUM SILICATE BOARD
- GLASS PARTITION AS PER APPROVED
SHOP DRAWING
- IN-LINE STOP VALVE TRIM - SINGULIER
CODE NO : K-11727IN-4-CP
- WALL DADO - KAJARIA
1200X600MM OSLO GRIS TILES
- DIVERTER - KOHLER
CODE NO.72290IN-4FP-CP
- FLUSH PLATE - KOHLER
CODE NO : 8857IN-M-CP
- TOWEL RING
- DETAIL B
- BATH SPOUT - KOHLER
CODE NO:99061IN-CP
- MATCH HORIZONTAL JOINTS OF TILES
WITH ADJACENT WALLS
- WATER CLOSET -KOHLER
PRESQUILE - CODE NO :18133IN
- HEALTH FAUCET - KOHLER
CODE NO : 12927IN-CP
- TOILET PAPER DISPENSER
- DETAIL A



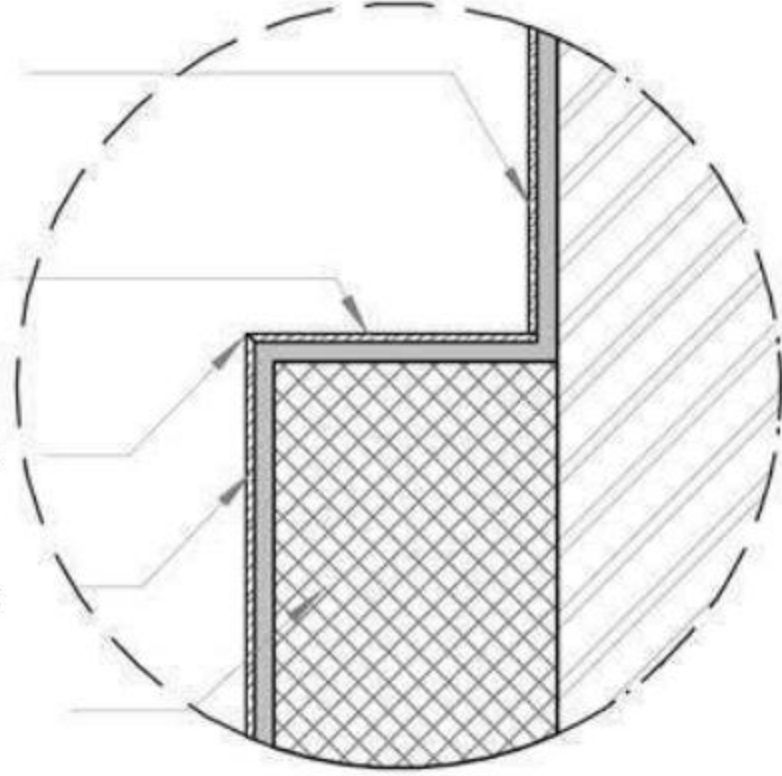
SECTION - 02

- MASONRY WALL
AS PER DETAIL
- 12MM THK PLYWOOD
BACKING
- 6MM THK EXTRA CLEAR
MIRROR FIXED USING 3MM
DOUBLE SIDED TAPE
- MIRROR TO FLUSH IN LINE
WITH TILE DADO BELOW
- 8MM GROOVE BETWEEN
MIRROR & TILE
- TILES FOR DADOING AS PER
APPROVED SAMPLE



DETAIL C - SECTIONAL DETAIL AT MIRROR AND GRANITE JOINT

- TILES FOR DADOING AS PER
APPROVED SAMPLE
- TILE ON TOP OF LEDGE WALL
AS PER APPROVED SAMPLE
- 45 DEGREE JOINT BETWEEN THE
HORIZONTAL AND VERTICAL TILES
- TILES FOR DADOING ON LEDGE
WALL AS PER APPROVED SAMPLE
- LEDGE WALL AS PER PLUMBING
LAYOUT DETAIL



DETAIL B - SECTIONAL DETAIL AT COPING OF THE LEDGE WALL



05

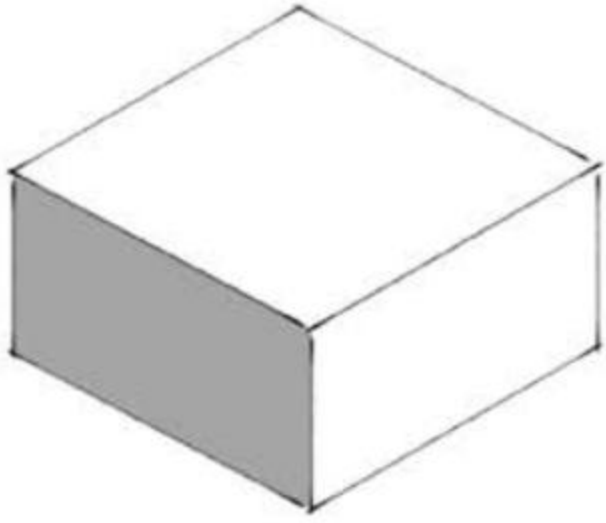
CONCEPT VISUALISATION

Software used - Revit , Sketch up , Lumion & Photoshop

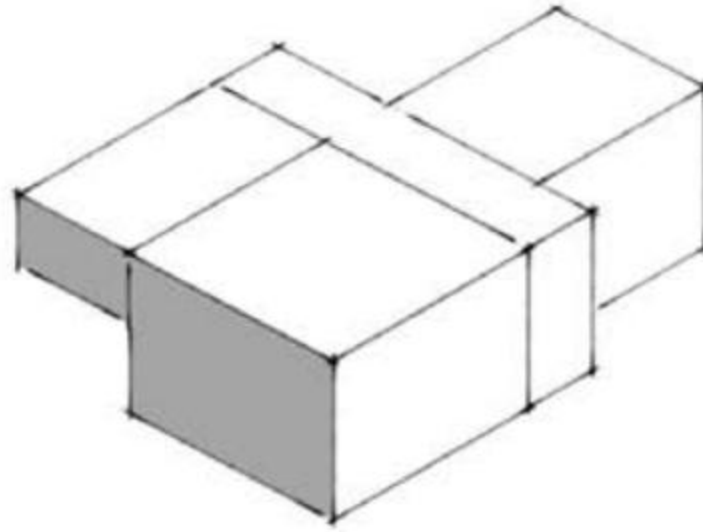


GLASS HOUSE

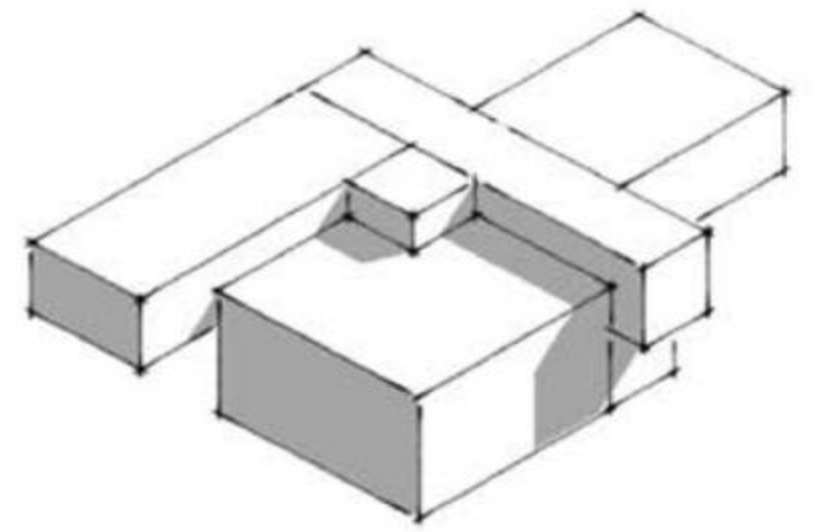
It poses an abstract counterpoint to its daunting natural surroundings. Though its architectural lineage is self-evident, this glasshouse is indebted to an artist.



A Extrusion of required levels



B Breaking the cubical form into different geometrical shapes

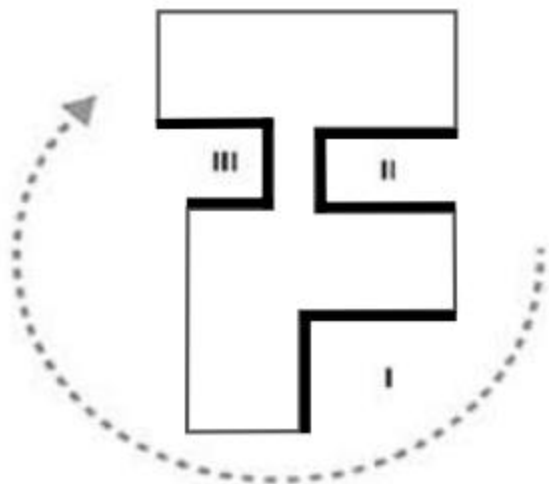
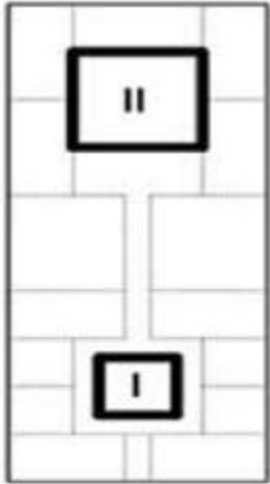
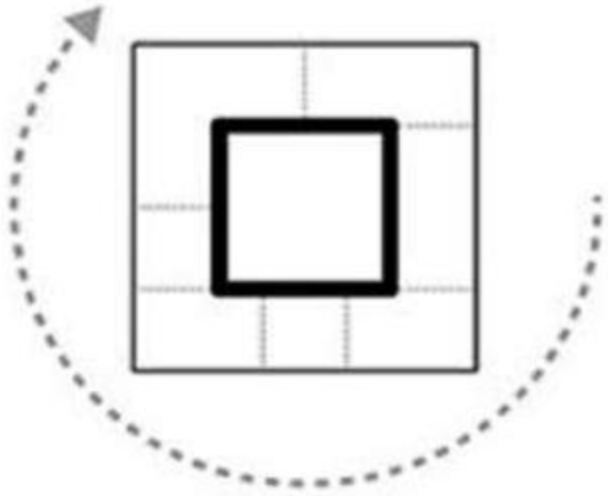


C Subtracting and addition to form mass



COURTYARD HOUSE

Creating a constant connection between outdoor and indoor spaces. The landscaped courtyard is the heart of the house. The spaces are visually connected as well as they all interconnected to its surrounding.



A **TYPICAL COURTYARD HOUSE**
Centripetal arrangement of space around a void

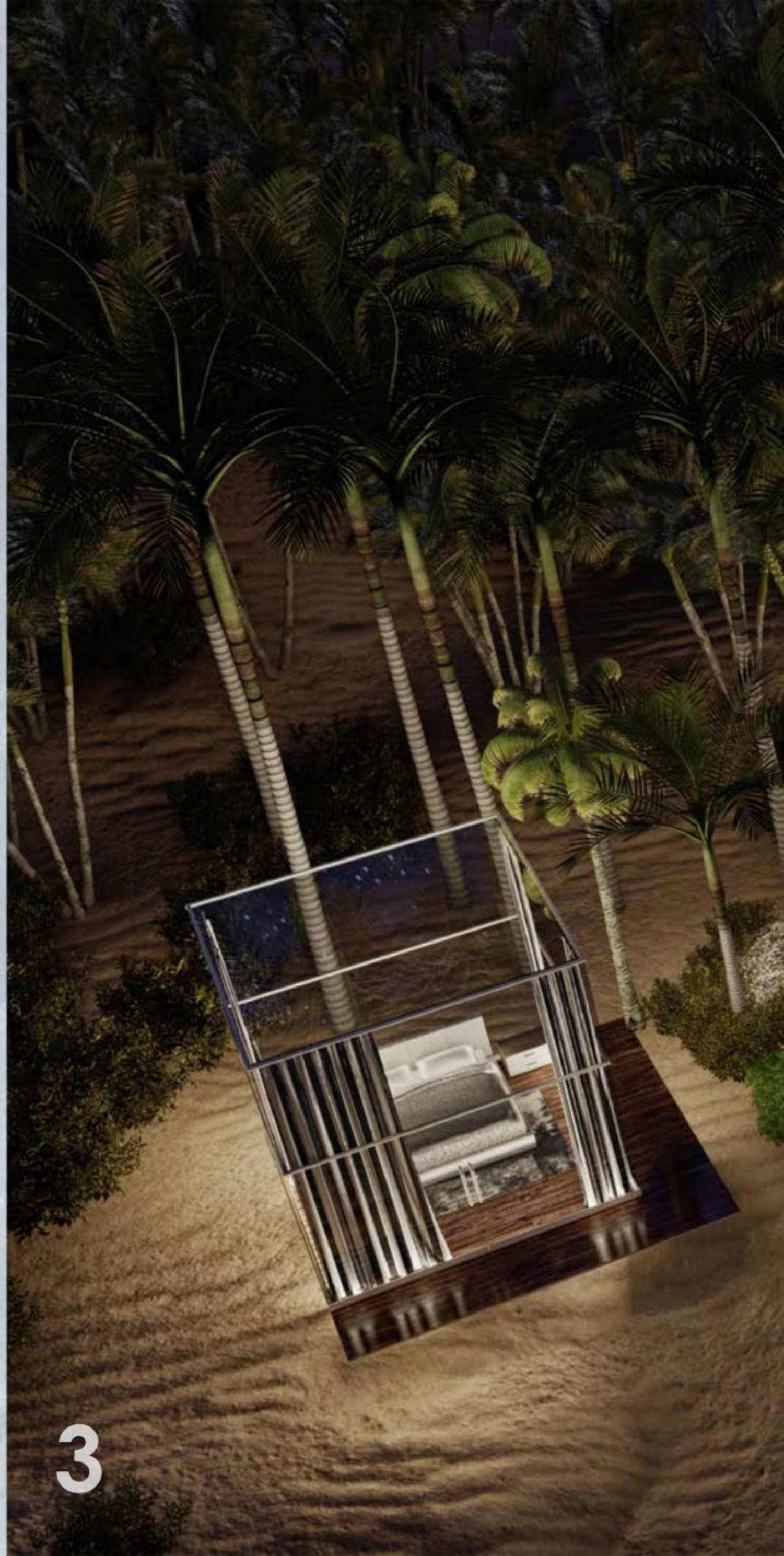
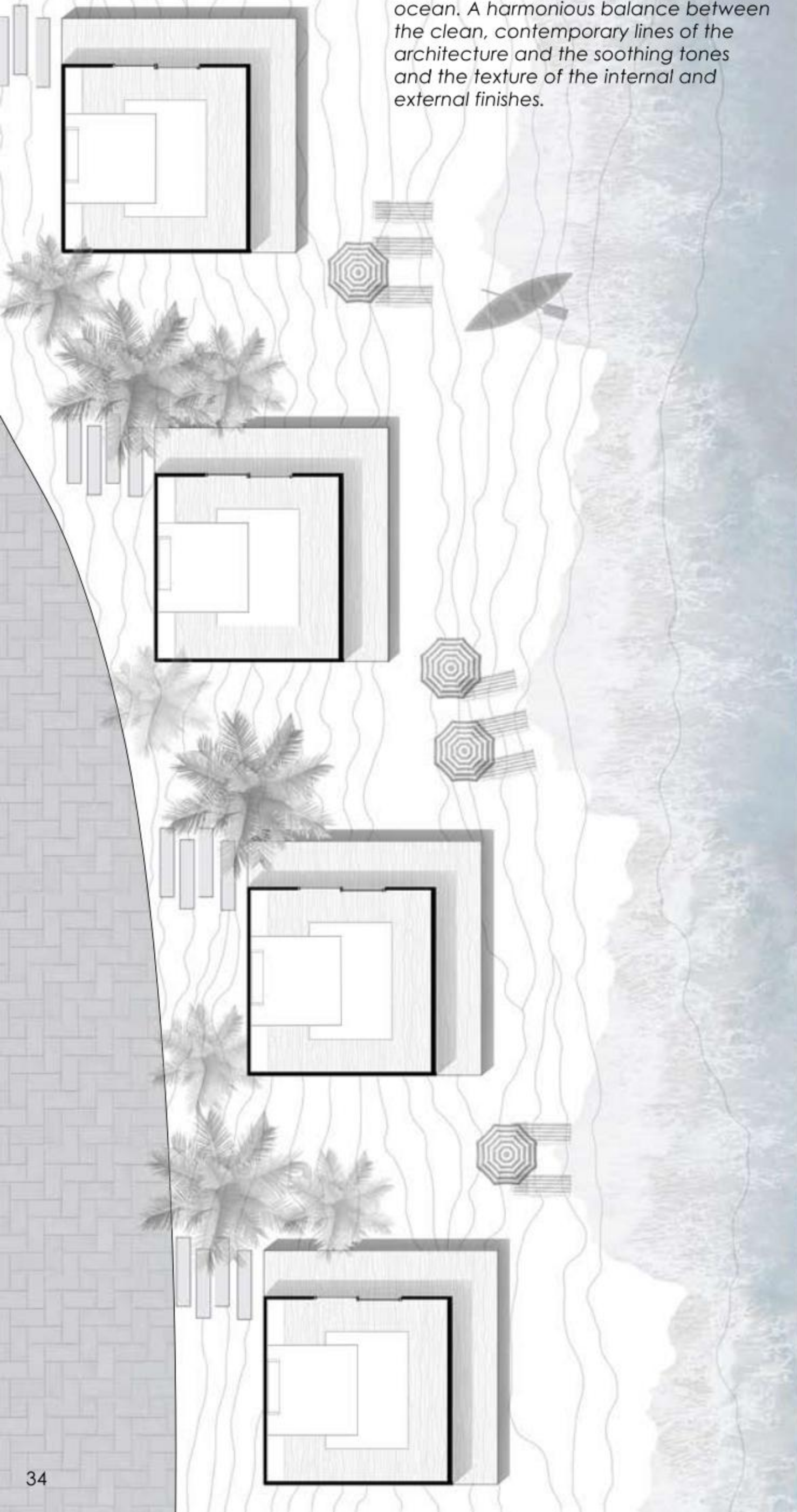
B **ROMAN COURTYARD HOUSE**
Courtyard multiplies on an axis

C *Centripetal arrangement & Multiplication*



PARADISE

The location provides for a complete hideaway and offers numerous quality views of the surrounding beach and ocean. A harmonious balance between the clean, contemporary lines of the architecture and the soothing tones and the texture of the internal and external finishes.







4 COURTYARD HOUSE



5 LIVE PROJECT - INTERIOR RENOVATION



6 THE BLACK AND WHITE






7 LE CHAMBRE



8 COTTAGE

THANK YOU FOR YOUR TIME

MEASI ACADEMY OF ARCHITECTURE

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