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ABHISHITH K
abhishith.kavil@gmail.com
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ABHISHITH K
abhishith.kavil@gmail.com

Hello!

I am Abhishith k

To me, architecture is more than just space,it's an experience shaped by vision, function, and emotion. Each design tells a unique story. I am deeply interested in research, co-working, and model making, using these as essential tools to refine my designs and create meaningful, functional spaces.

+91 8111942894
abhishith.kavil@gmail.com

ABOUT ME

DOB
22/03/2002

PLACE
Cannanore,Kerala

SOFTWARE SKILL

Autocad	Enscape
Sketchup	Twinmotion
Photoshop	Lumion
Illustrator	Vray
Premier pro	

INTEREST

Photography	Video editing
Model Making	Sketching
Travelling	Craft Work

LANGUAGE

Malayalam	Hindi
English	Tamil

EDUCATION

2019-24 **Tkm school of architecture** I Kollam,Kerala
Bachelor of Architecture

2017-19 **Moothedath higher secondary school** I Kannur,Kerala
Higher Secondary

2012-17 **Tagore Vidyanikethan Government h.s.s** I Kannur,Kerala
High School

PARTICIPATION

2024 **IIA State Awards- Kollam Centre**

2024 **Natural Building Workshop**

2023 **Videography Workshop**

2023 **Anual NASA design competition**

2022 **Vertical Studio**

2019 **Carpentry Workshop**

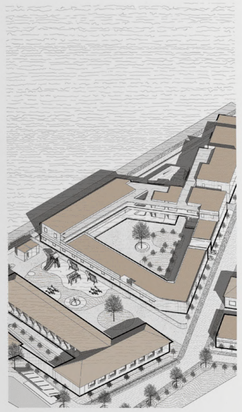
2019 **Clay Modelling**

EXPERIENCE

Tactus Design Studio I Delhi NCR
2023 Sep- 2024 Jan I Internship

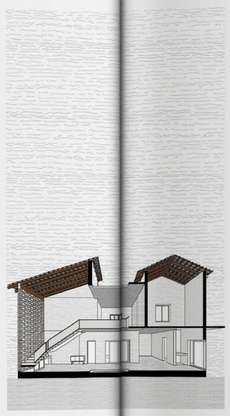
01

Vision beyond sight:
Reimagining Educational
Spaces for the Blind



02

Confluence of identities
on the shifting core of
Alappuzha



03

Residence

04

Practical training

05

Miscellaneous

01

Vision Beyond Sight

Reimagining Educational Spaces for the Blind

Kozhikode,Kerala

To reimagine the concept of a residential blind school as an inclusive environment that enhances the quality of life for visually impaired students while promoting community engagement and fostering a sense of belonging for both visually impaired individuals and the broader public.The school becomes more than a place of learning; it becomes a dynamic center of exchange, where individuals of all abilities come together to learn, collaborate, and celebrate diversity. This integration not only enriches the educational experience for blind students but also fosters empathy, awareness, and social bonds among all who inhabit the space.

NEED OF BLIND SCHOOL

For visually impaired students , specialized education is not merely about acquiring academic knowledge but also about developing essential life skills.

MAIN ISSUE FACED BY THEM

Existing blind schools have only been prioritizing and focus on academic studies ,rather than towards the special facility needed. One of the primary difficulties blind students face in schools is navigation and wayfinding.The absence of proper wayfinding solutions forces blind students to rely on others for movement, limiting their independence and confidence in the school setting.There are also limited spaces for the blind community to interact and share with the public in terms of academic and social engagement.

REIMAGINING?

- Multi-Sensory Learning Environments(Use of sound, temperature, and texture to create spatial awareness.)
- Social Integration and Community Engagement(nclusive events, workshops, and mentorship programs to reduce isolation.)
- Vocational and Income-Generating Opportunities(Training in music, crafts, digital skills, and entrepreneurship.
- Recreation and Well-being Space.(Sensory gardens,Physical activity,therapy)

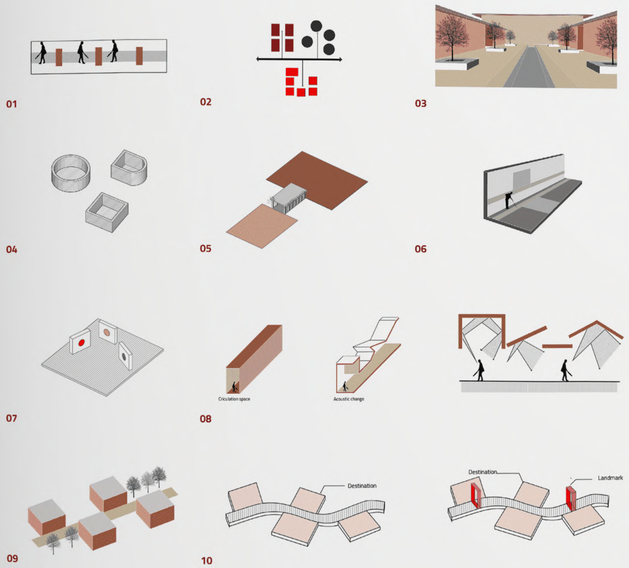
USER GROUP

The primary users is Blind and Visually Impaired ,other support staff and general public(Volunteers and External Organizations,Students from Other Schools)

WHY KOZHIKKODE

In Kerala, there are 15 schools for the blind.Even though thera are institution affiliated with blind,almost none of them are truly designed in considering the blind community and most of all institution got exclusive nature which make them socially isolated .Both Kozhikode and Alappuzha lack schools for the blind,Accroding to the sensus Kozhikode having the highest blind and low vision population compared to alappuzha district.

DESIGN STRATEGIES



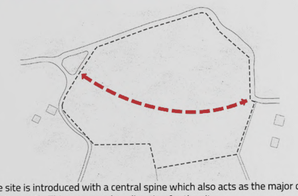
Enhancing cognitive mapping skill through way finding: **01.**Single spine design for easier navigation **02.**Unique spatial identity for each cluster **03.**Auditory Cues **04.** Different shapes **05.** Threshold spaces **06.** Texture difference **07.** Bright colours **08.** Echolocation **09.**Aromatic plants **10.**Relationshp between route and landmarks.

'A place to grow beyond sight'

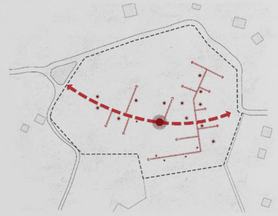
Learn and explore through the senses.

Water bodies function as sensory landmarks.
Fragrant plants, particularly flowering trees and shrubs, serve as olfactory markers.(Plumeria,Jasmin,Parijat,Cestrum,Nyctanthes,Rose,sweet alyssum,Lemon balm,-mint,Lavender,Lily,Sorrowless Tree,Bakul tree,)
Walls serve as key circulation guides, directing movement and navigation.The use of different materials and wall textures aids in mental mapping by providing tactile and sensory cues for orientation and navigation
School
Tactile museum and Exhibition space
Recreationel areas with sensory garden
Hostel
Private courtyard with Seating space
Training centre and Administrative block

DESIGN DEVELOPMENT



The site is introduced with a central spine which also acts as the major circulation path. This creates a key direction for the site .



The central spine is then branched throughout to create the secondary spaces including the hostel block, school, skill development,etc.Olfactory elements are incorporated along the spine to improve navigation and support mental mapping

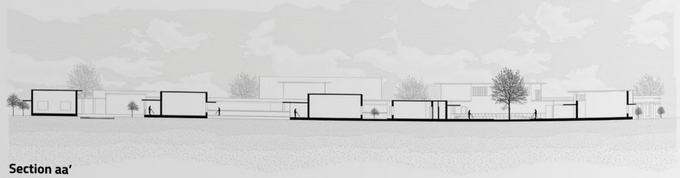
Different points along the spine are given different characters through its shape, and through introducing elements that induce olfactory senses.

MASTER PLAN

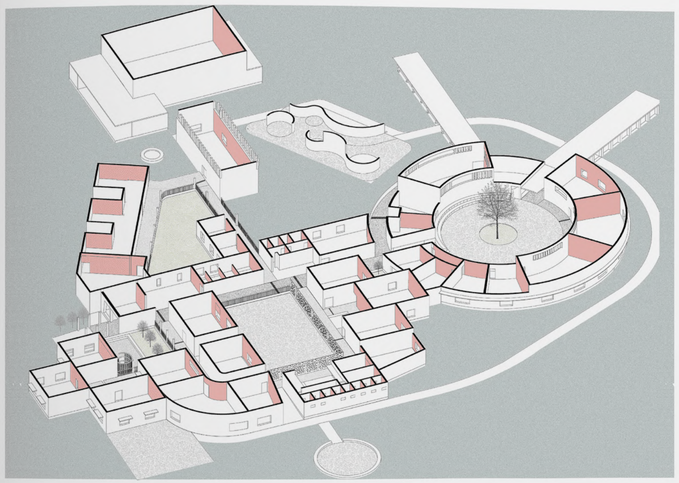
SKILL DEVELOPMENT CENTRE

Floor plan

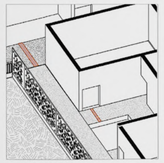
01.Lobby 02.Administration 03.Directors room 04.Principal room 05.Staff room 06.Class room 07.Workshop room 08.Recording studio 09.Library 10.Computer lab 11.Art and craft 12.Music room 13.Therapy room 14.Sick room 15.Experience centre 16.Exhibition space 17.Toilet



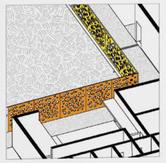
Section aa'



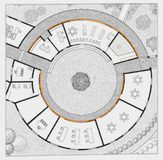
Varying corridor widths help students navigate and identify different zones within the building.



The entrance to each classroom is marked by rough Kota stone, contrasting with the smooth Kota stone used in other areas.



Triangular and circular pores on the wall help students distinguish the corridor side.

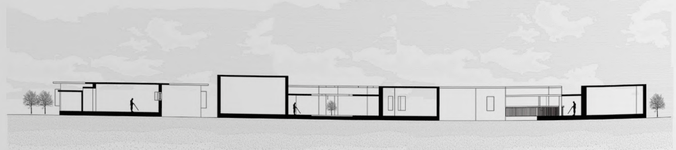


Various wall plaster textures are used throughout the building, providing tactile cues and enhancing spatial awareness.

SCHOOL

Floor plan

01.Principal room 02.Administration 03.Staff room 04.LKG 05.Art and craft 06.UKG 07.CL-I 08.CL-II 09.CL-III 10.CL-IV 11.CL-V 12.CL-VI 13.CL-VII 14.Toilet 15.Art and craft 16.Sick room 17.Dance room 18.CLS-VIII 19.CLS-IX 20.CLS-X 21.CLS-XI 22.CLS-XII



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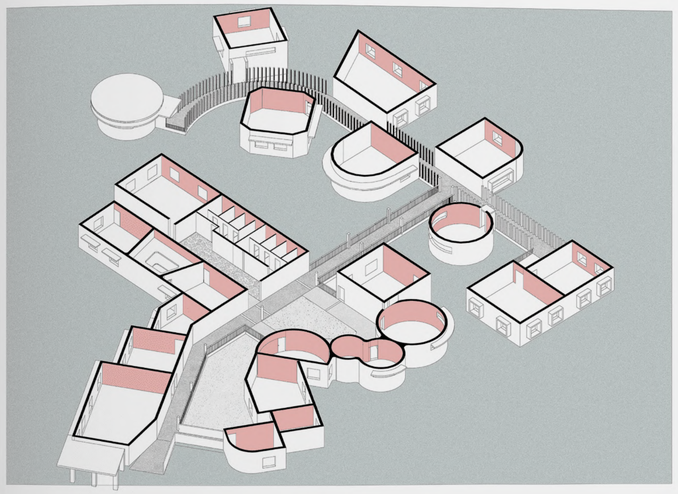
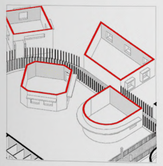
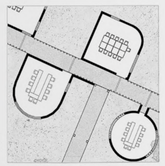


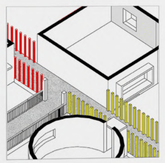


Various shape of classroom help student to identify the space easily.



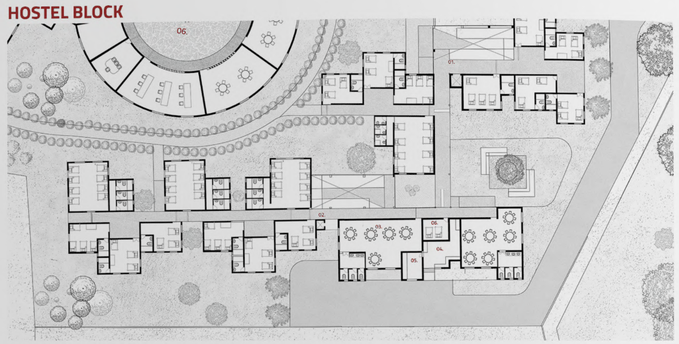
Furniture is centrally placed to facilitate easy movement in each classroom.

A private courtyard for the class room-possibility for an outdoor learning space,enhancing the connection with the exterior and improving ventilation and light quality.



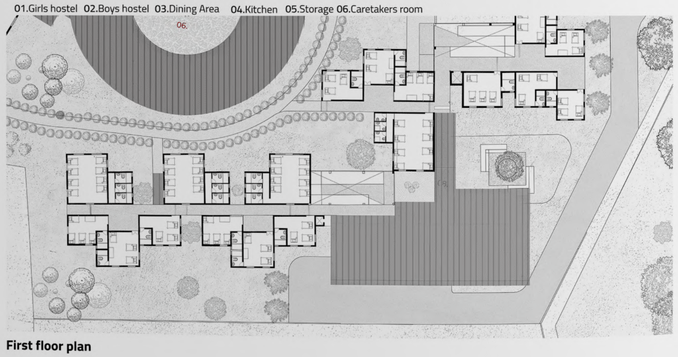
Circular and square steel bar with contrasting colour to dentify the corridor.

HOSTEL BLOCK



Ground floor plan

01.Girls hostel 02.Boys hostel 03.Dining Area 04.Kitchen 05.Storage 06.Caretakers room

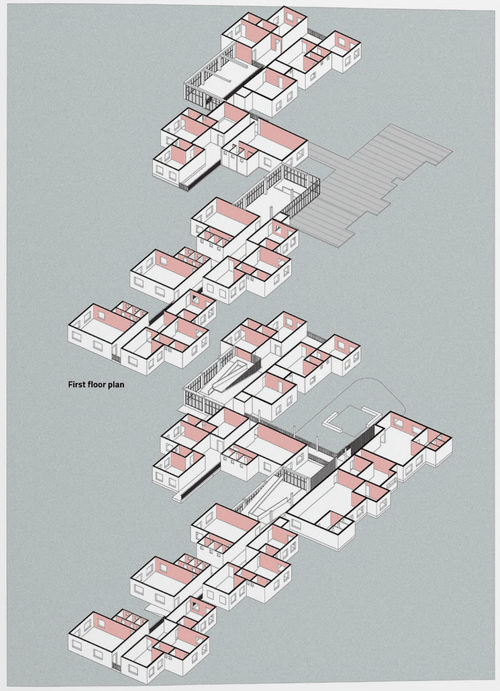


First floor plan

Different types of fragrant plant are provided to enhance metal mapping,helping visually impaired student to orient themselves and recognize different area based on distinct scents.

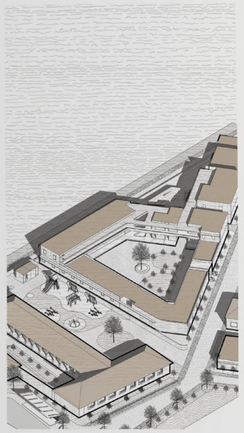
Coloured flooring help to distinguish the spaces.Also the brick pattern givene for each cluster is different.

Circular and square steel bar with contrasting colour .



Ground floor plan

02



Confluence of identities on the shifting core of Alappuzha

Alappuzha,Kerala

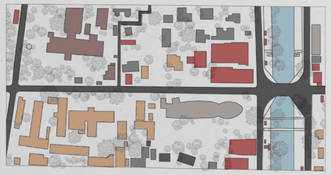
Renewing the shifting core of Alappuzha, Kerala with responce to the confluence of different identities, function and user group of the proposed site. The site holds different functions from schools to civil station. While retaining and retrofitting the heritage building a learning corridor is provided for the school and college which is completely pedestrianiced and various exciting functions has been incorporated.

EXISTING SITE CONDITION

01. Civili station **02.**School **03.**Teacher training center **04.**Cafe **05.**Commercial **06.**Coir-fed **07.**Residential unit **08.**Mosque

Proposed site is located at collectrate junction, Alappuzha, accommodating the civil station of Alappuzha, which is considered the most important administrative centre of the district. Site also accommodate eductional institutions such as schools and collage along with coir-fed office, teacher training centre, commercial buildings and residential units. This area is the shifting core of Alappuzha due to the confluence of different identities, functions and activities . Site also consist of different architecture style and typology.

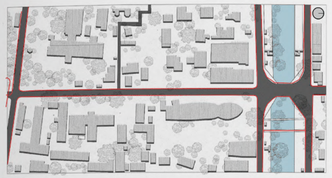
BUILT FORM AND FUNCTION



The proposed site have a medium density building cluster which leaves behind open spaces in-between buildings which can be used to accommodate various functions. The buildings are not aligned on the street which creates opportunity to provide public and private plazas for the buildings on the street edge.

Institutional
Commercial
Administrative
Religious
Industrial
Residential

MOVEMENT

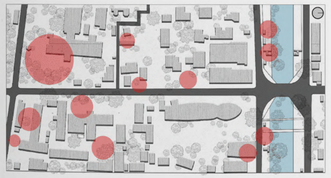


Alissery road is the main road passing through the site. It connects palace road, which is a main transit corridor passing through Alappuzha, with canal junction and its edges. Roads passes through either side of the canal and is connected to each other by bridge.

BUILDING TYPOLOGY

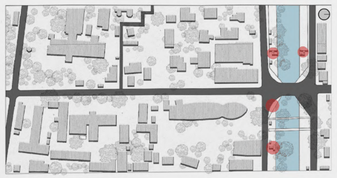
Buildings with historic and heritage importance are present at the site which includes a dutch made warehouse facing the canal and haveli with commercial units at the front facing the road. These buildings adds to the historic relevance of the site with Alappuzha.

ACTIVITIES



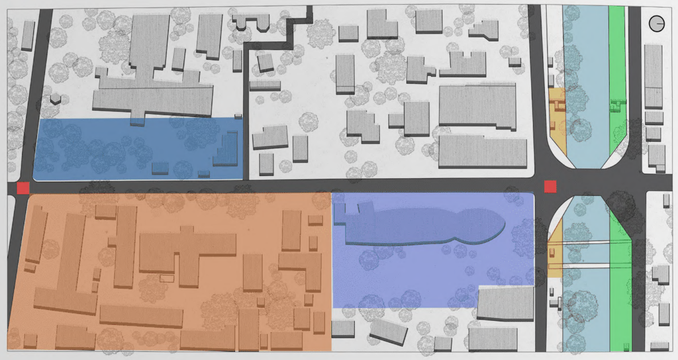
Site holds different functions with user group of all ages varying from school children to government employees.School and civil station being close to palace road, this area becomes the most active zone. Canal and water edges are used for recreation only, which is not very active.

PAUSE POINTS



There are no many pause points in the site even though the site holds many functions and users of different age from different communities and places. The only active pause point is near to the bridge, where small kiosks and snack bars are present.

SITE STRUCTURE PLAN



LANDMARK STRUCTURE

Providing land marks on both junctions creating roundabouts and connecting these landmarks with the single stratch street edges and activity stretch.

CIVIC CENTER OPEN PLAZA

Opening civic center to the pedestrian path and creating a plaza part of both civil station and the public realm. Various activities and functions acan be associated with this place.

WATER EDGE BUILDINGS

Buildings projected and extended to the canal providing a water frontage and floating experiance. Creating a new architecture language for the canal edges.

PAVILION

Creating a pavilion that acts as a recreational zone and where exhibitions can be conducted. Structure with materials rooted on the heritage of Alappuzha like coir.

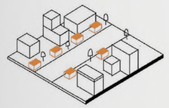
INSTITUTIONAL CLUSTER

Public spaces associated with schools. integrating school with plaza and pedsetrian zone.

MUSEUM AND COIR CENTRE

Providing a coir museum and related structure emphazising teh history, heritage and culture of alappuzha.

STRATEGIES



JOB OPPORTUNITIES

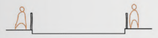
Creating small kiosks can bring in many small scale buisness to the site .

FLEXIBLE WATER EDGE

The water edge can be transformed and translated into different visually and functionally working spaces. Such as a flea market.

CITY BRANDING

Creating Gateway toward the site can enchance the visual experience of the place and stating as a landmark on the site and also creating a focus. towards the site.



FOOT-FRIENDLY

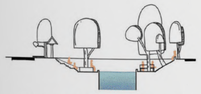
Designs that prioritize the comfort and safety of pedestrians such as raised platforms for pedestrian circulation.

PUBLIC BUILT-FORM AS A FLEXIBLE SPACE

Public built form can be used as a multifunctional spaces in the time of need.

PEDESTRIAN BRIDGES ACROSS CANAL

This eases the travel of pedestrians from the hustle of crossing the canal and is a perfect receation spot on top of the canal.



PUBLIC RECREATION IN CANAL EDGES

Recreation on water edges can create a live activity field on the water edge.it also helps in sustaining water to a certain level.

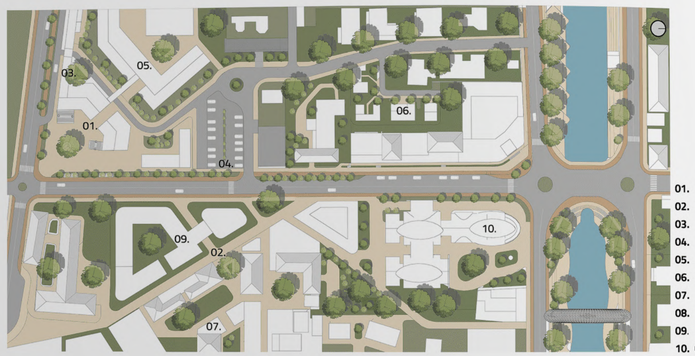
WATER EDGE ACTIVATION

Water edge can also be converted into cafes and food oriented streets which helps in the activation of these canal edges.

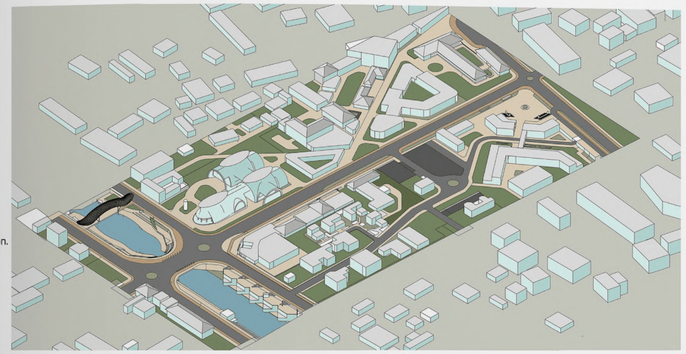
GREEN INFRASTRUCTURE

Designing and preserving urban parks, community gardens, and green spaces provides numerous benefits.

MASTER PLAN

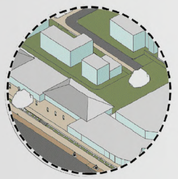


01. CivilStationPlaza.
02. Learning corridor.
03. ElevatedStreet.
04. Parking Space for CivilStation.
05. CivilStation.
06. ResidencialZone.
07. GovernmentCollege.
08. CommercialComplex.
09. GovernmentSchool.
10. Coirfed Building.



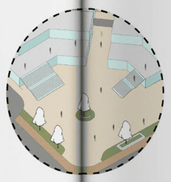
LEARNING CORRIDOR

An pedestrian only street is created between educational buildings, connecting palace road and the main road, which functions as a learning corridor. Access to all educational buildings are provided from this corridor.



COMMERCIAL EDGE

A commercial hub is created with multiple retail shops. The building block is segragated to create void spaces on the street edge which invites people and provides space for different activities. The pedestrian path at this portion is elevated to a level to make a charecter transition to the space.

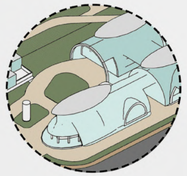


PUBLIC PLAZA

Land of civil station originaly used for parking, on the edge of the street is utilized to create a public plaza on the corner which invites people in and creates a new identity to the civil station.

CANAL SEATING

Public seating is provided at the canal edge which is accessible from the bridge itself, and thereby creates a recreational zone at the water edge. An arched entry is created under the bridge for shikara boats. This acts as the main recreational zone in the site.

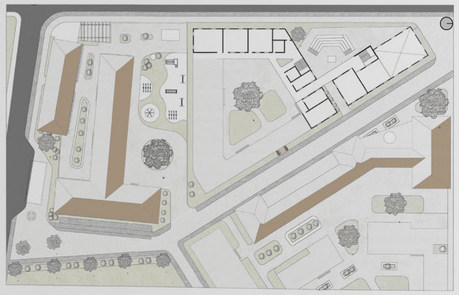


COIR MUSEUM

Addition is made to existing building of coir-fed and converted into a coir museum. The building is made part of the pedestrian path by removing existing boundries. Open space is provided inviting people from the canal recreation zone. This also acts as a pedestrain pathway.

CLUSTER DETAIL

Ground floor plan



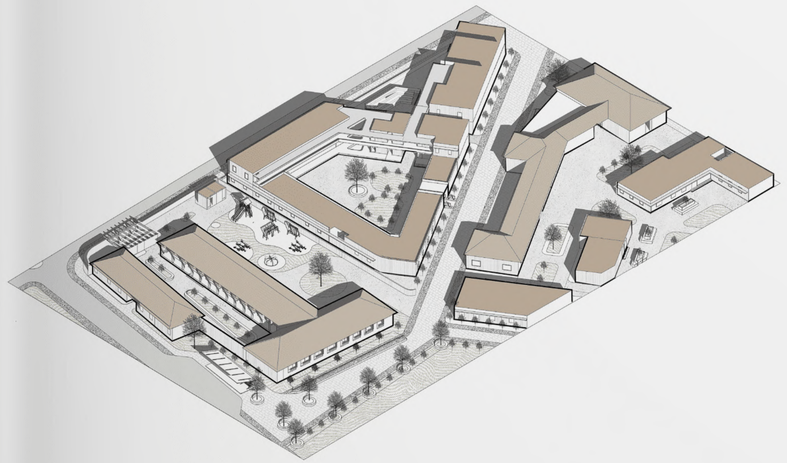
First floor plan

The selected cluster has been designed as an educational hub, integrating various learning environments for different age groups, including an LP school, high school cluster, and college cluster. The design transforms this area into an educational corridor, creating a continuous flow of knowledge and interaction among students, teachers, and the community. The pedestrian-only zoning ensure safety, accessibility, and a more interactive outdoor environment, reducing vehicular traffic and promoting walkability.

The integration of open courtyards and landscaped zones fosters a sense of openness and promotes collaborative learning experiences.A dedicated cycling pathway has been provided for students, ensuring a safe,efficient, and eco-friendly mode of transportation within the educational corridor. An exhibition space is provided ,offering a platform for students to showcase their work.

01. Lp School .
02. Children park .
03. Up school
04. High school .
05. Library .
06. Exhibition space.
07. Cafe .
08. Government College.
09. Teachers training centre.
10. Play ground.
11. Bus stop.

01. Class room 02.Principal room 03.Office 04.Faculty room 05.Toilet 06.Canteen 07. LAB 08.Computer lab



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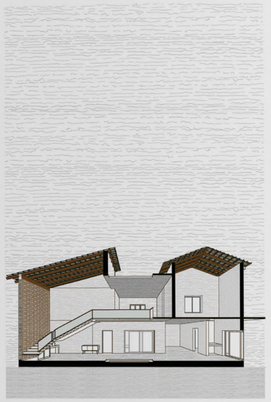

Residence

Kannur,Kerala
Area :23 cents

The residence was designed for a student architect and his family with 4 members .The design focused on fostering a sense of openness throughout, with a strong emphasis on creating spaces that encourage family gatherings and interactions.
The heart of the home lies in its open-plan living area, visually anchored by a double-height perforated brick wall along the southern facade.Rather than treating the built environment and landscape as separate entities, the home weaves them together to create a continuous living experience that blurs boundaries and invites nature inward.
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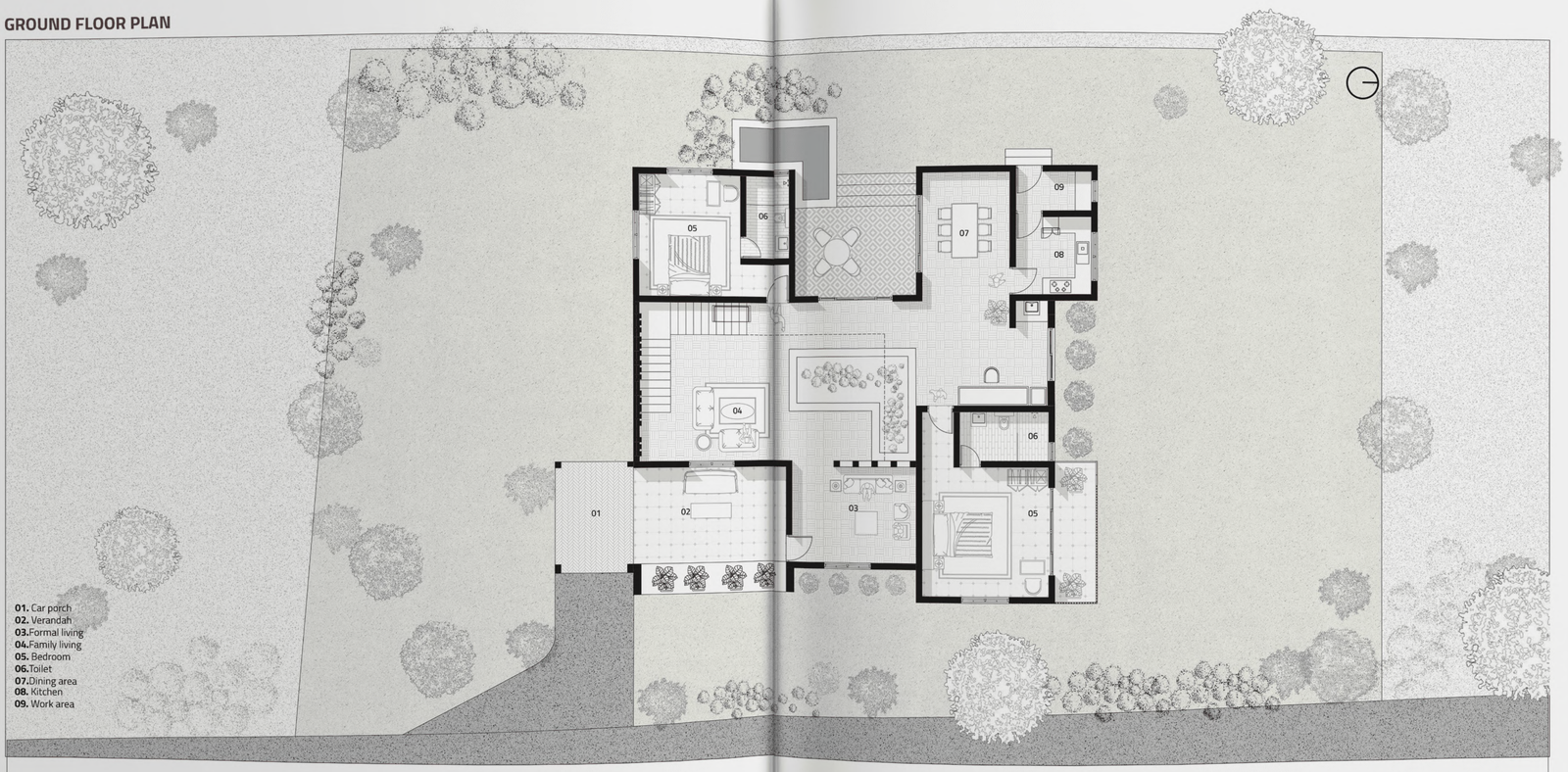
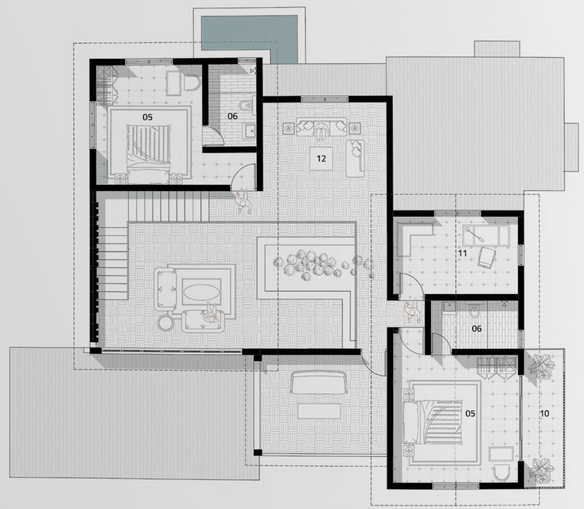
GROUND FLOOR PLAN

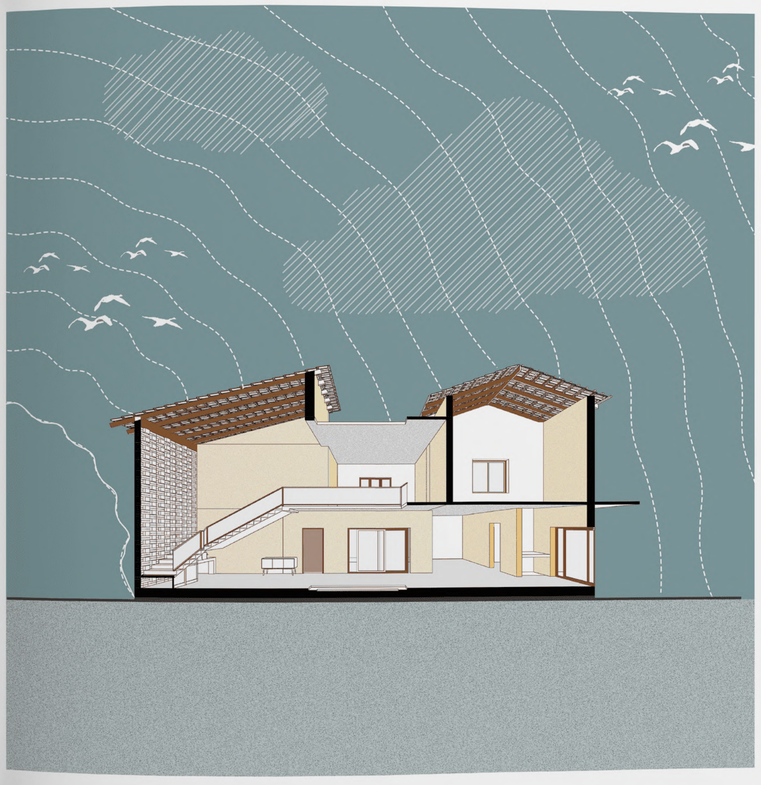


01. Car porch
02. Verandah
03. Formal living
04. Family living
05. Bedroom
06. Toilet
07. Dining area
08. Kitchen
09. Work area

FIRST FLOOR PLAN



10. Balcony
11. Work space
12. Gaming space



04

tactus
design studio

Practical Training

Tactus Design Studio is an Architecture consultancy firm based in Delhi NCRT, founded in 2015 by architect Toito Sema. The studio has cultivated a unique approach that marries minimalist contemporary design with a deep respect for regional context. With a team of professionals hailing from diverse backgrounds yet sharing a common design sensibility, Tactus is committed to creating spaces that are not only visually striking but also rich in texture, materiality, and sensory experiences.

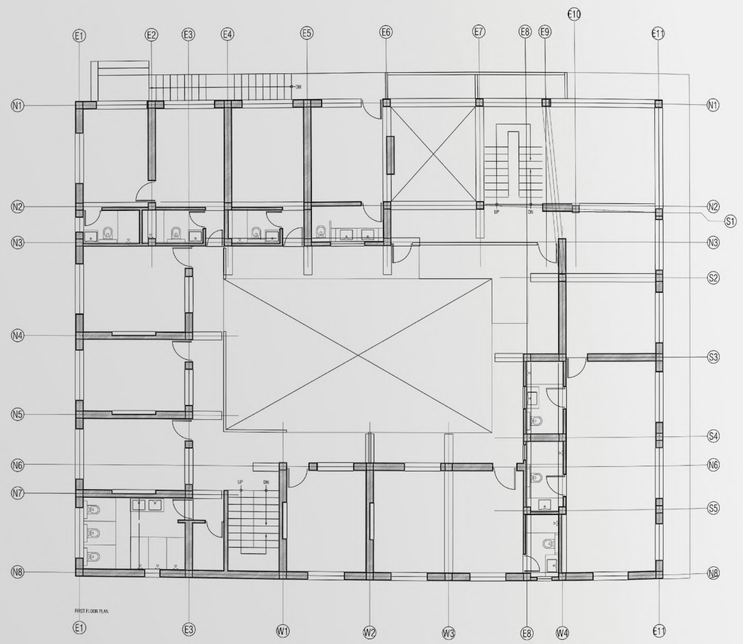
346, Sector 27,
Gurugram,
Haryana 122009

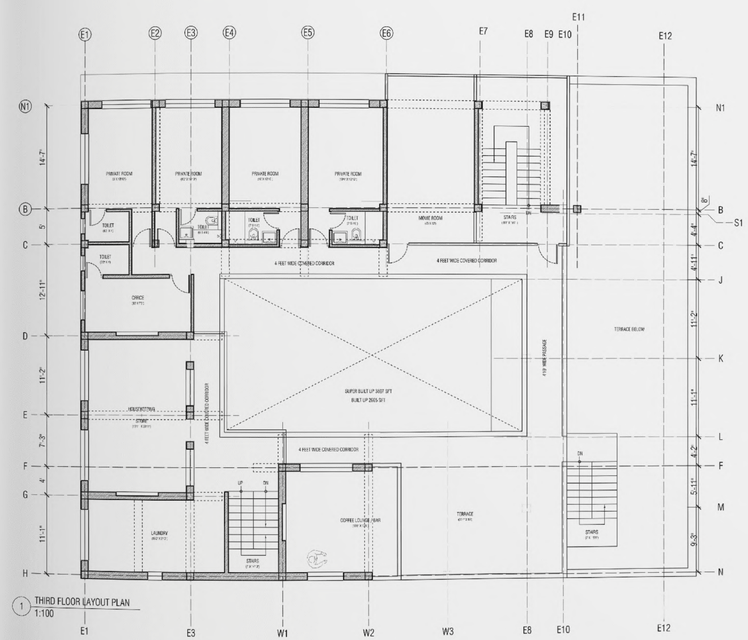
mail@tactusds.com

+91 8800984407

ROYAL ENFIELD HOSTEL ,LADAKH

-Floor plan

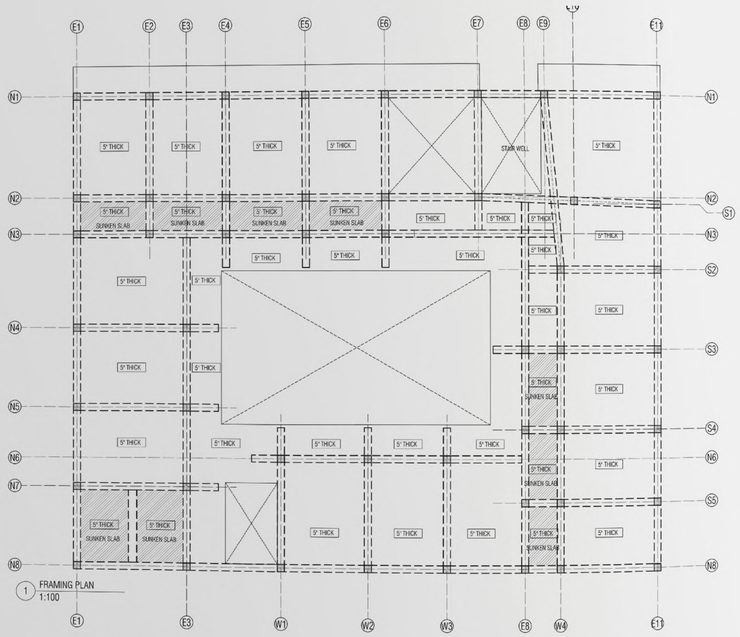




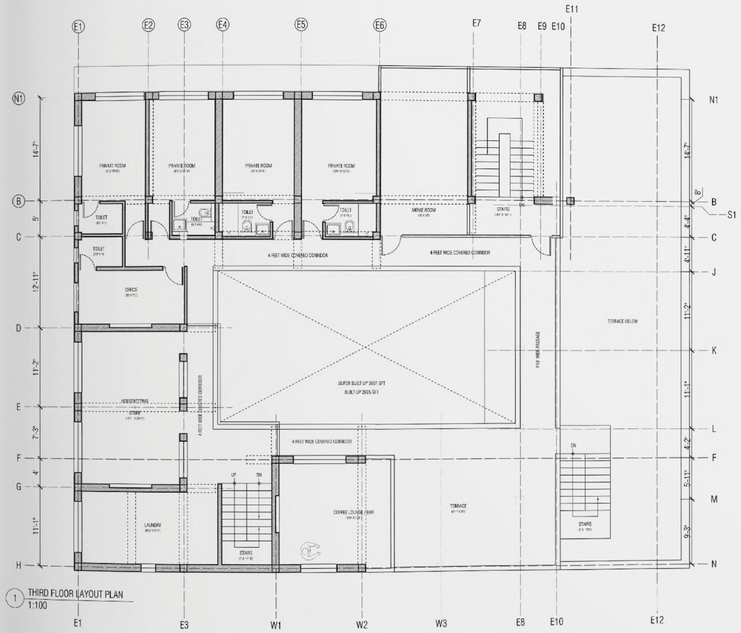
1 THIRD FLOOR LAYOUT PLAN
1:100

ROYAL ENFIELD HOSTEL ,LADAKH

-Framing plan



1 FRAMING PLAN
1:100



1 THIRD FLOOR LAYOUT PLAN
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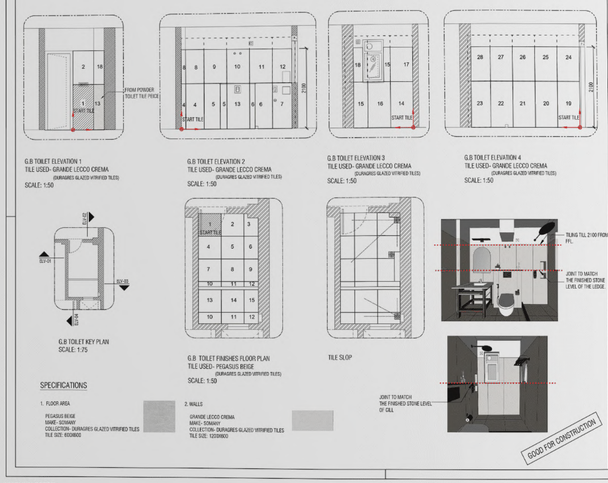
ENA RESIDENCE,NOIDA



NOTES:

- All dimensions to be read, drawing shall not be scaled
- All dimensions are in mm unless otherwise specified
- This drawing shall be read in conjunction to relative, structural, and services drawing
- All drops indicated are to be read as 10mm unless otherwise specified
- Any discrepancies noted shall be brought to notice of Architects/Project in charge prior to execution at site

CONSULTANTS

STRUCTURAL

ELECTRICAL

PLUMBING,SANITARY & FIRE FIGHTING

NO	DATE	REVISIONS

PROJECT STATUS
CONSTRUCTION

PROJECT TITLE
ENA RESIDENCE
NOIDA

CLIENT
MR. AMIT KR SING
MRS.ENATOLI SEMA

ARCHITECT

tactus design studio

245, Sec. 27, Gurgaon - Haryana, 122002
+ - +91 9650094217
: +91 124 238 0586
: mail@tactusdesi.com

DRAWING TITLE
TILE LAYOUT
G.B TOILET

DRAWING NO.
BS-E-02

SCALE: **AS SPECIFIED**	DATE: **30.12.2023**
JOB CODE: **TS27**	SHEET SIZE: **A3**
REVISION NO: **R0**	DRAWING STATUS: **GFC**
DRAWN BY: **ABHISHITH**	CHECKED BY: **TOTO**

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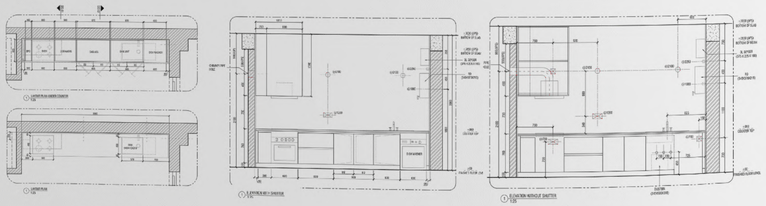
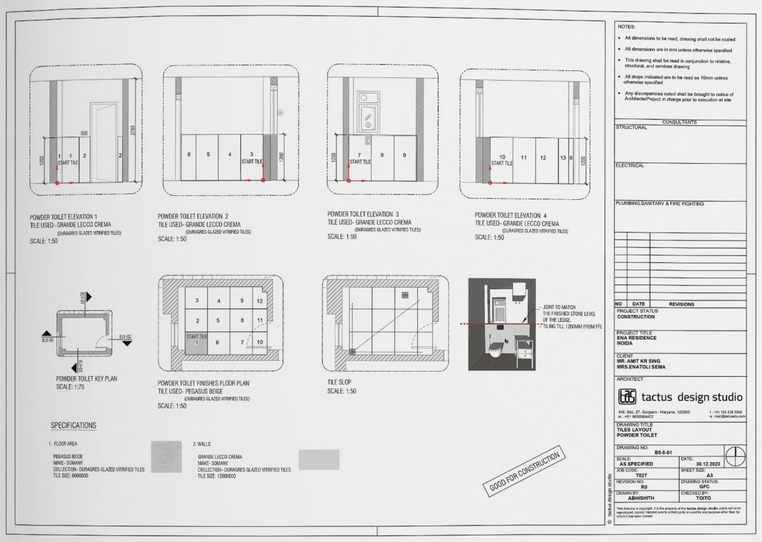
KITCHEN DETAIL





NOTES:

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CONSULTANTS

STRUCTURAL

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NO	DATE	REVISIONS

PROJECT STATUS
CONSTRUCTION

PROJECT TITLE
ENA RESIDENCE
NOIDA

CLIENT
MR. AMIT KR SING
MRS.ENATOLI SEMA

ARCHITECT

tactus design studio

245, Sec. 27, Gurgaon - Haryana, 122002
+ - +91 9650094217
: +91 124 238 0586
: mail@tactusdesi.com

DRAWING TITLE
TILES LAYOUT
POWDER TOILET

DRAWING NO.
BS-E-01

SCALE: **AS SPECIFIED**	DATE: **30.12.2023**
JOB CODE: **TS27**	SHEET SIZE: **A3**
REVISION NO: **R0**	DRAWING STATUS: **GFC**
DRAWN BY: **ABHISHITH**	CHECKED BY: **TOTO**

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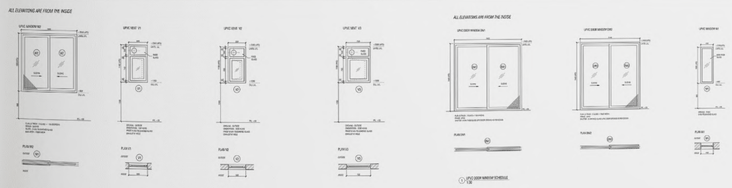

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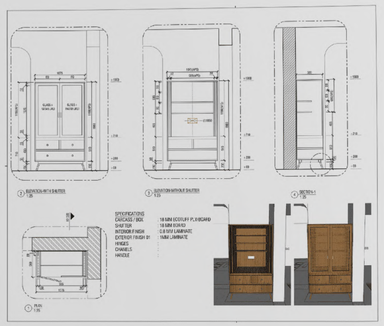

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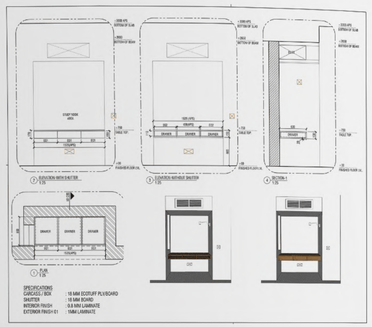

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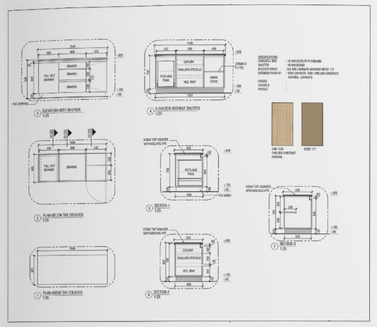

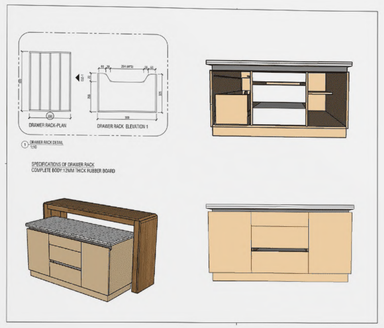

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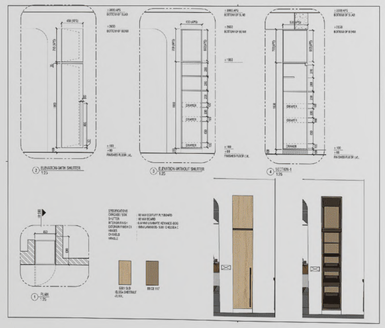

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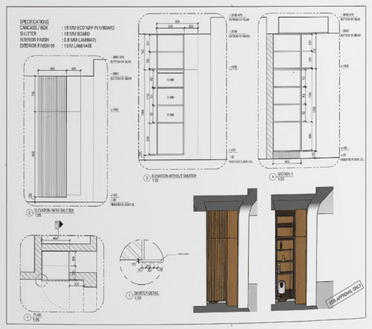

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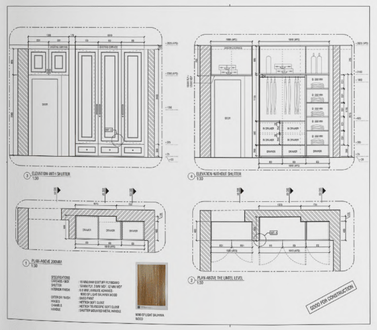
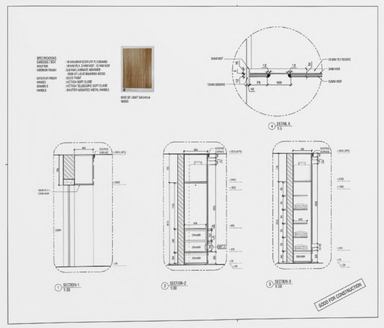
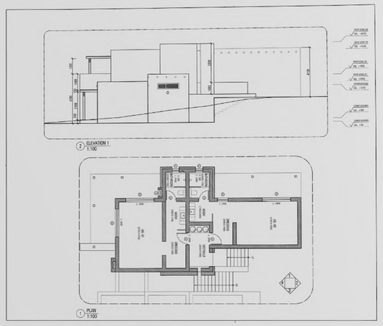
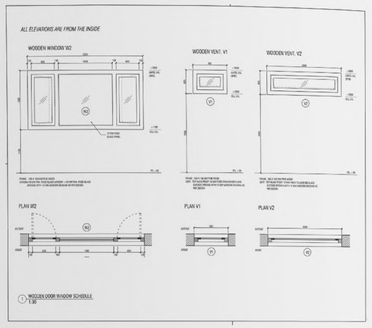


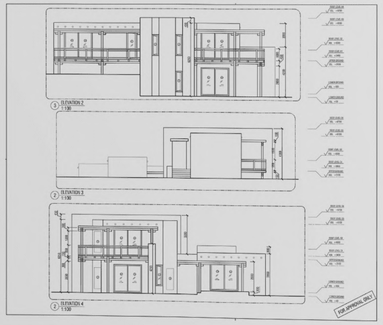


-CUPBOARD DETAIL

CEBA RESORT ,NUBRA LADAKH







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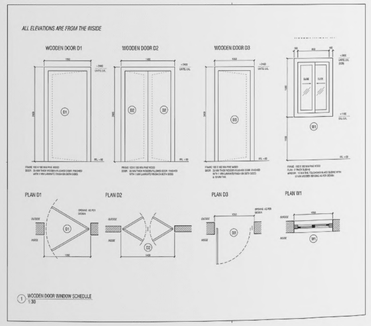

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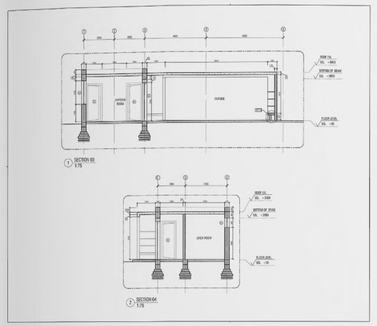

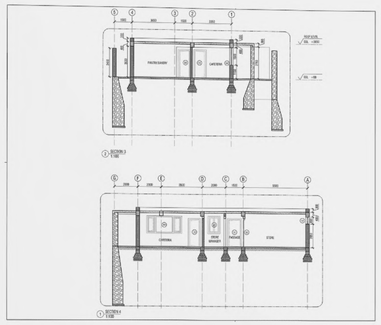

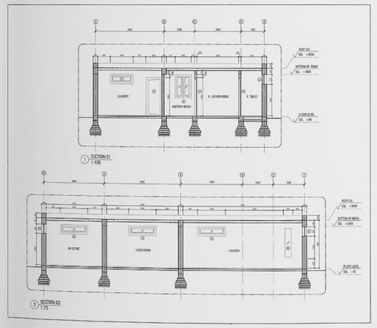

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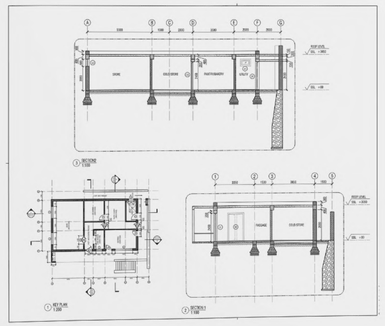
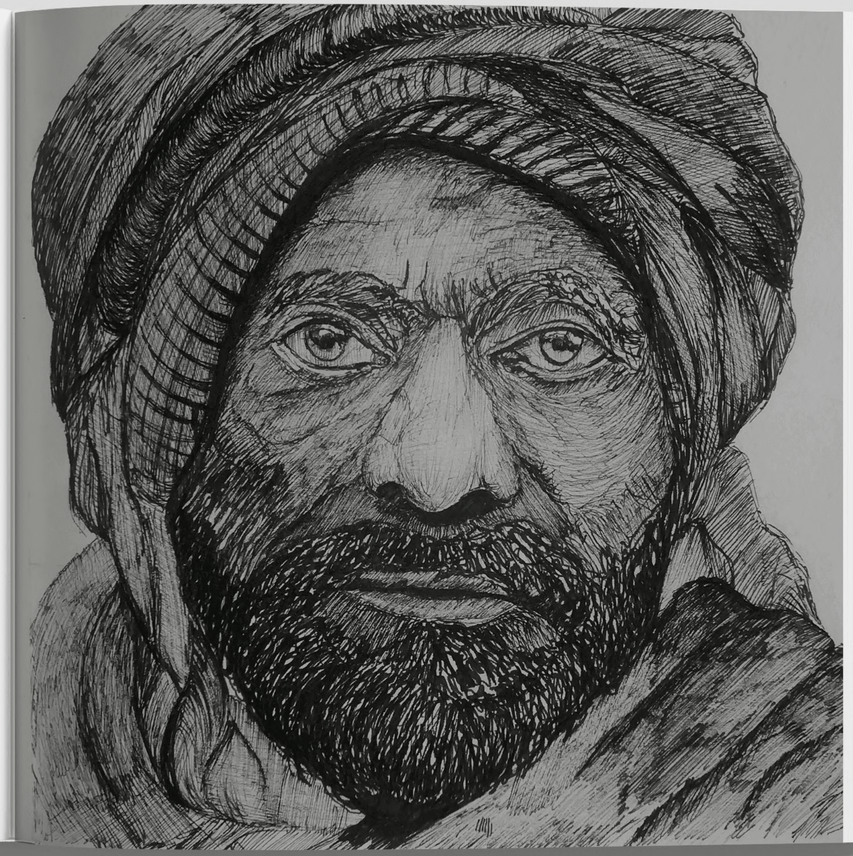


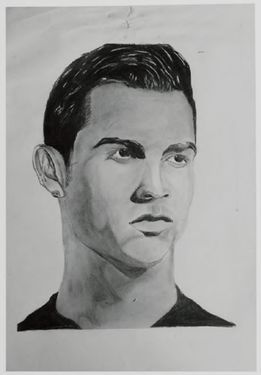
-KITCHEN BLOCK -SECTION

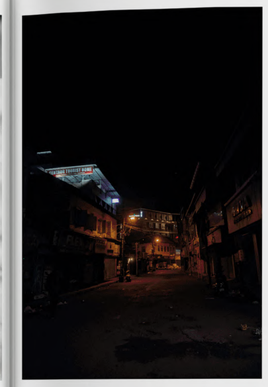
05

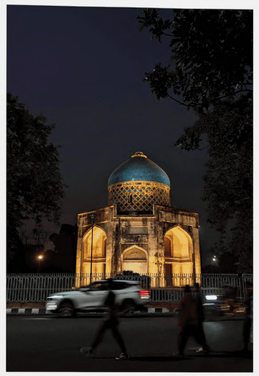
Miscellaneous

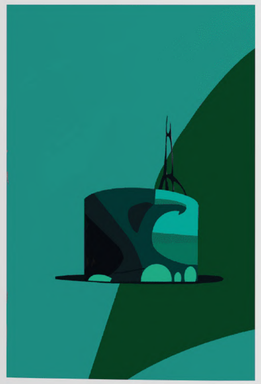
Photography Sketches Ilustration Model making

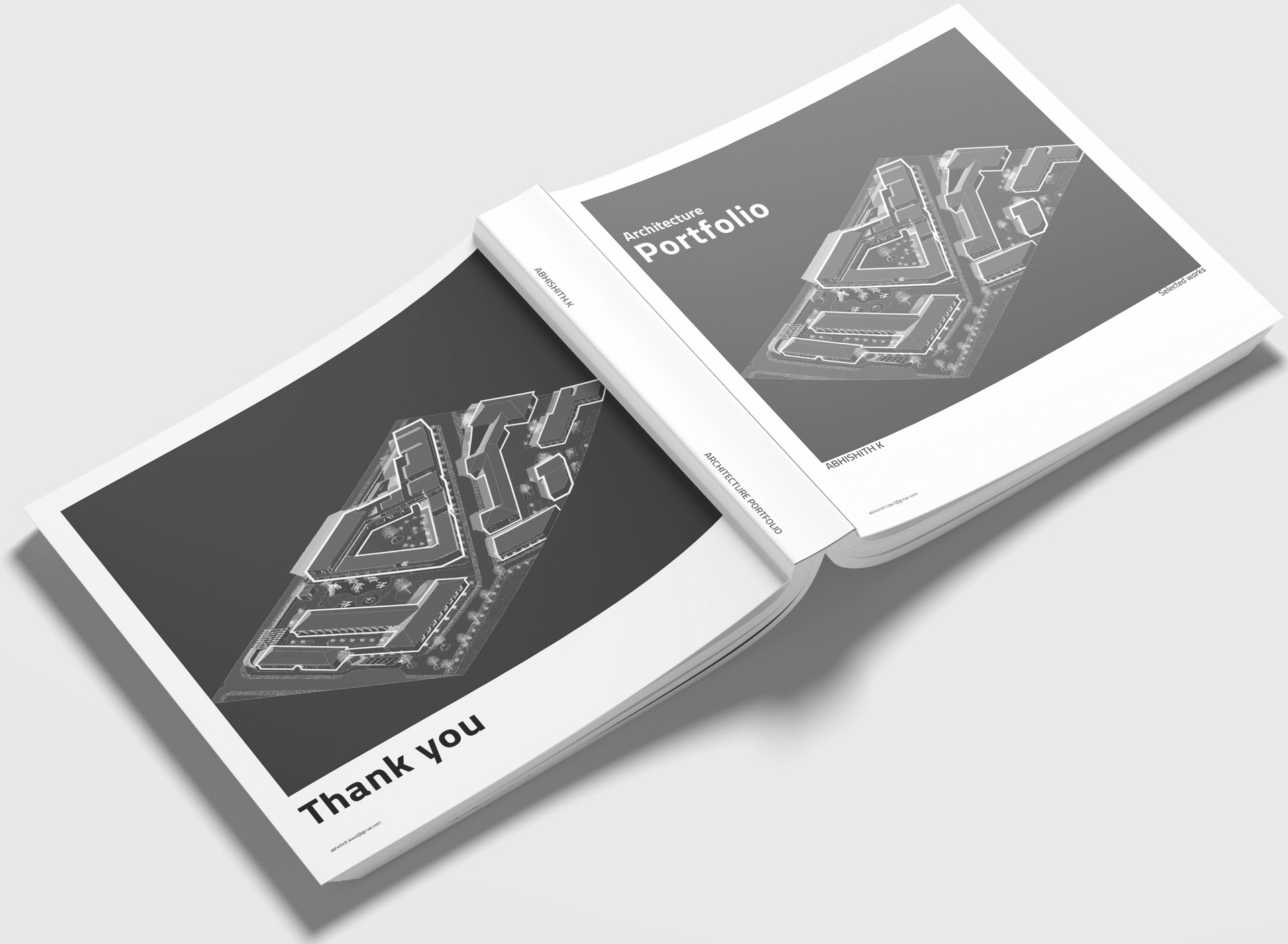











Thank you
abhishith.kaw@gmail.com
ABHISHITH.K
ARCHITECTURE PORTFOLIO
Architecture
Portfolio
Selected works
ABHISHITH K
abhishith.kaw@gmail.com