ARCHITECTURAL PORTFOLIO

curriculum vitae

MOHAN

st. peter's school of architecture

chennai

DATE OF BIRTH	27th october 1997
ADDRESS	no:1019 pattinapakam srinivasapuram chennai-600028
E MAIL	mohanarch6@gmail.com
CONTACT	9500071629

EDUCATION

- Bachelor of architecture
  St peter's school of architecture 2016-2021
  Avadi (chennai)
- Savitri ammal oriental higher secondary school

PROFESSIONAL EXPERIENCE

- Internship at isra design and infratech(Annanagar chennai)
  5 months
- Internship at sacred groves (Aurovile pondichery)
  5 months

EXPERIENCES

- Apartment interior design project at (vandalur chennai)
- Restaurant interior design (vadapalani chennai)
- Freelance designer at Varisan Imex pvt ltd(interior design)
- Site supervision at mumbai (Lodha Group skyscraper)

ACADEMIC PROJECTS

- Slum rehabilitation (Thesis)
- School of architecture

LIVE PROJECTS

- Residence Interior Design
- Restaurant Interior Design

COMPETITION PROJECT

- Capsa container design competition

SKILLS AND SOFTWARES

- Auto cad
- Sketch up with v ray
- Adobe photoshop
- Adobe illustrator
- Lumion
- Sketching
- Model making
- Ms office

INTERESTS

- Vernacular architecture
- Graphic design
- Architectural photography
- Research
- Painting
- Sketching
- Travelling
- Music

LANGUAGE

Tamil,english

Academic,Thesis

Project 1

SLUM REHABILITATION

Academic

Project 2

SCHOOL OF ARCHITECTURE

Live project

Project 3

INTERIOR DESIGN

Live project

Project 4

RESTAURANT INTERIOR

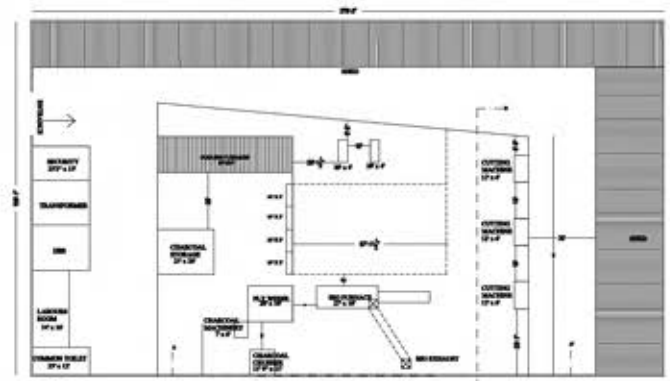
competition

Project 5

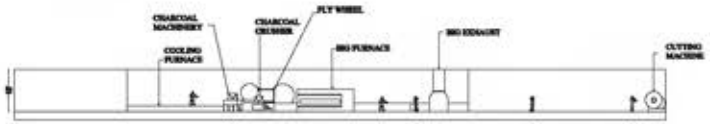
CONTAINER OFFICE

PROFESSIONAL EXPERIENCE isra designs & infratech (internship)

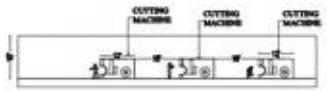
STEEL FACTORY



PLAN



ELEVATION AA'

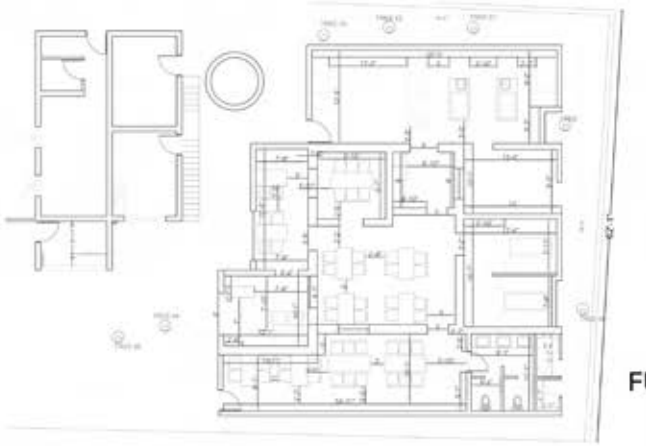


SECTION BB'

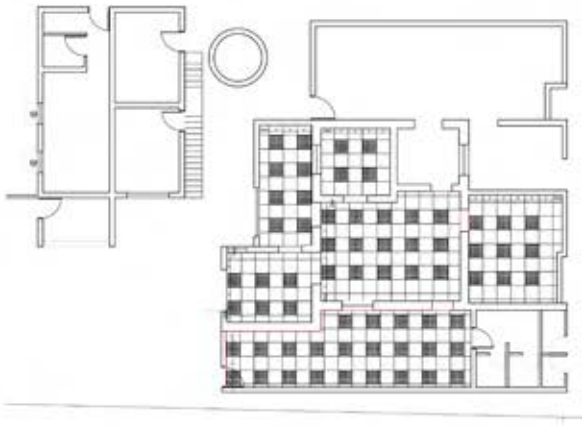
AREA
279' 2" x 156' 1"

RESTAURANT

ELECTRICAL LAYOUT



FURNITURE LAYOUT



TILE LAYOUT

PROFESSIONAL EXPERIENCE isra designs & infratech (internship)

RENDER:VISUALIZER

KIDS BEDROOM

Were the client asked to design kids bedroom for them two kids elder boy and younger girl .

Before starting the design client was asked bunk bed for both of them but the both kids are asking and loving different kind of thing elder boy kid he has loved in cars and girl was admired fantasy world so i decided to splited the idea depend them loved so that tree houses for girl and car model cot for boy kid so that the looks of this kids bedroom interior happened like this finally .

LIVING ROOM

Design concept of this living room the client was expected to execute luxurious interior looks from the main entrance so that some kind of concept provided to client to see which kind of theme will move forward in this living interior then the client was choosed blobitecture theme so the forms like fluid movement so that the finally its looks like what they expected in living room .

PROFESSIONAL EXPERIENCE sacred groves (aurovile)(internship)

Sacred Groves – Ecological housing project, Auroville

rubble breaking

nailing works

cob laying

mud stamping

lime wash

bamboo cutting

lime plaster

adobe making

carpentary works

arch making

adobe laying

digging trench

There is acute shortage of affordable and ecological housing in auroville. Sacred Groves is a housing community that aims to meet these needs. It also is an educational and research oriented project. Most works seen on site are done by unskilled volunteers, mostly students. This is a place where anybody can learn how to build using what is available.

adobe making

build free building

wattle and taub

araish plaster

soil test

cob making

crack filling

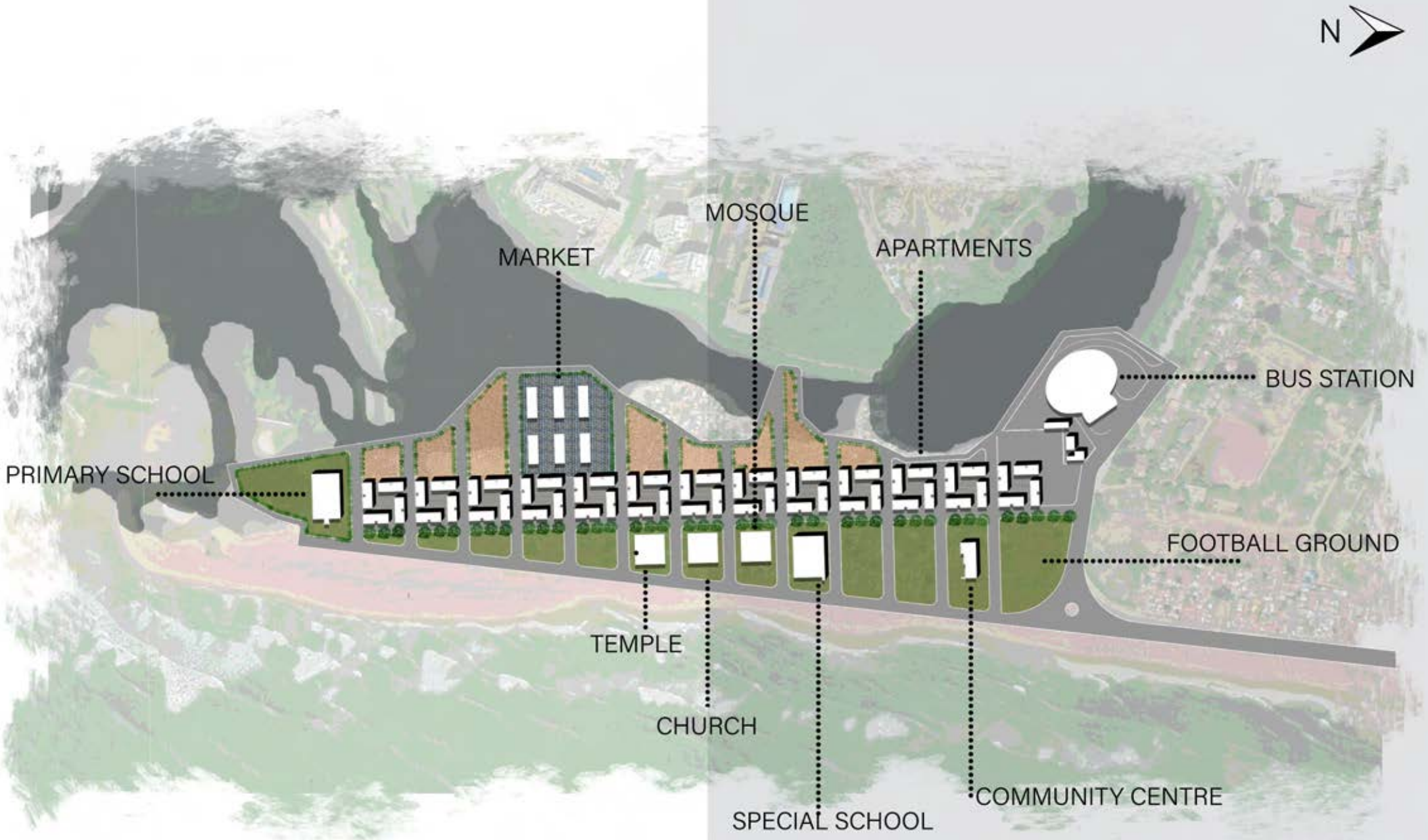
community kitchen

prototype house

compost toilet

earthbag dome

earthcrete


N
MOSQUE
MARKET
APARTMENTS
BUS STATION
PRIMARY SCHOOL
FOOTBALL GROUND
TEMPLE
CHURCH
SPECIAL SCHOOL
COMMUNITY CENTRE

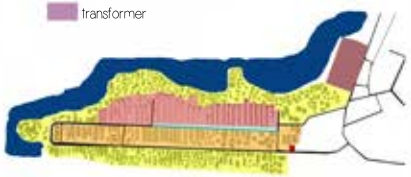
MASTER PLAN

SITE ANALYSIS

FORESHORE ESTATE (PATTINAPAKAM)
SRINIVASAPURAM
CHENNAI-600028

SHOWING THE SERVICE SYSYTEM

- water tanks
- garbage disposal
- street lamps
- improper waste disposal
- transformer

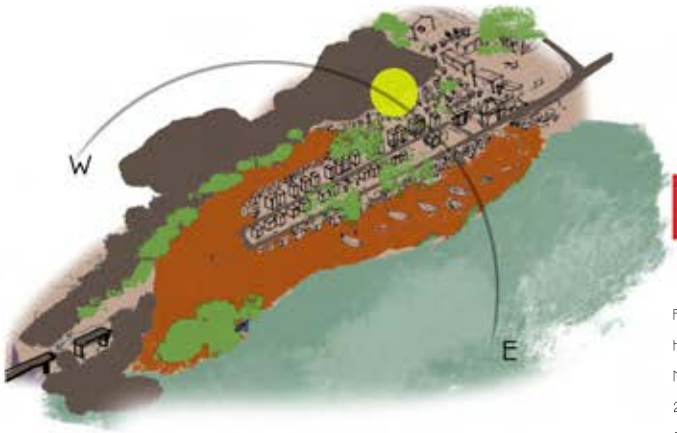


SHOWING THE SETTLEMENT

- kutch road
- semi pucca road
- pucca road
- commercial
- housing unit
- self owned residence
- squartters settlements

TOPOGRAPHY AND CLIMATE

The city has an average elevation of 6m and its highest point being 60m with the coastline along Foreshore estate and Srinivasapuram is full of sandy soil. The temperature over the course of a year varies from 21°C to 38°C and rarely below 20°C. The precipitation is most likely around 1200mm/year with humidity from 39% to 95% over the course of the year and wind speed varies from 0m/s-7m/s. Chennai's tropical climate is high temperatures and humidity that supplies the region with an approximate rainfall of 1200mm/year. The Bay of Bengal produces several tropical storms every year that causes wide spread damage along the eastern coastline. Vardah crossed Chennai on December 12, 2016, with wind speed estimated 105 km/hr and claimed over 18 lives.



THE TIMES OF INDIA

FOLLOWING THE UNION GOVERNMENT'S NOD ,THE BOARD HELD A PUBLIC CONSULTATION IN SRINIVASAPURAM A FORT-NIGHT AGO DURING THE PUBLIC CONSULTATION ,AROUND 2400 ENCROACHERS DEMANDED THEY SHOULD ALSO GET SLUM BOARD TENEMENT ALLOCATION .THEY DID NOT WANT TO MOVE OUT OF THE AREA ,THE OFFICIAL

HISTORY OF SITE

The bridge was built in 1967. It cuts across the Adyar River mouth to connect the fishermen hamlets on the Adyar side to that of Srinivasapuram on the other side. Fishermen who worked at the harbour would then take their tricycles and rick-shaws across the bridge. The narrow bridge had also facilitated movement of four wheelers, but only one vehicle at a time. Fisherfolks harvested fish here when the river was unpolluted. They were prosperous. Prawns and crab were in abundance as they used to breed in the river mouth. Worms used for fishing were also available then near the banks of the river. After the bridge collapsed during 1977, people had to go around the city to reach harbour for work. The utility of the bridge would have gone but the charm remained. It continued to be a sought-after shooting location.

SLUM REHABILITATION

In 7th Century Pallava port of Mylapore is believed to have been on the Northern bounds of Adyar estuary. In 1798, Adyar finds a position in British map as a Suburb. Later in the 18th&19thcentury British garden houses were built on the northern bank of the river. In 1967AD the broken bridge was built connecting the fishermen hamlets on the Adyar side to that of Srinivasapuram on another side. In the mid 20's Fisheries Department of Government of Tamilnadu controlled the creek area and settled fish farming and related institutions. In the late 20's there was wastewater and sewage inflows, continuous dumping of debris and garbage along the river, estuary, and creek. In this 21stcentury heavy construction activity along the creeks edges of Marina Beach runs from Fort St. George in the north to Foreshore estate in the south, a distance of 6.5 Kms.

CONCEPT

RESILIENCE

MUTIPLE ENERGY SOURCES
MULTIPLE WATER SOURCES
DISASTER FORTITUDE
DESIGN
EMPHASIS ON PASSIVE
SYSTEM
REDUCED ENVIRONMENTAL
EFFECT
FLOOD PLAIN EVALUATION OF BUILDING
LOCATION

ENERGY INDEPENDENCE
WATER INDEPENDENCE
RENEWABLE RESOURCES
RESOURCE STORAGE
ENVIRONMENTAL EFFECTS
COMMUNITY SUPPORT

SUSUTAINABILITY

ENERGY REDUCTION
RENEWABLE ENERGY PRODUCTION
RE CYCLED RECLAIMED
WATER
LOCALLY SOURCED MATERIAL COMMUNITY
RESPONSIBILITY
ACCES TO TRANSPORTATION
INDOOR ENVIRONMENTAL QUALITY
BROWN FIELD RESTORATION

URBAN RESILIENCE

Is the capacity of
individuals, communities,
institutions, businesses,
and systems within a city
to survive, adapt, and
grow no matter what kinds

definition:
I. the capacity to recover quickly from difficulties; toughness

Designing For Earthquakes: Buildings That Guard Against Seismic Activity


A House For All Seasons by Rural Urban

the decorative red mud brick screen that envelopes A House For All Seasons represents a decidedly rural take on new construction in Shaanxi Province by looking to traditional building techniques However, the brick structure does more than provide a vernacular aesthetic, a concrete column and roof structure is combined with mud brick infill walls, creating a new hybrid that satisfies criteria for earthquake resistance


The University of California, San Francisco,
Ray and Dagmar Dolby Regeneration
Medicine Building by Rafael Vinoly Architects, San Francisco

Rafael Vinoly's 80,000-square-foot stem cell and developmental biology research center is a feat of science and engineering The horizontally oriented science building sits high off the site's steep slope, supported by space trusses that rest on concrete piers, acting as a seismic base isolation system to absorb earthquake forces while promoting greater connectivity across campus departments


Television House by Noriyosha Morimura Architects, Suita City, Japan

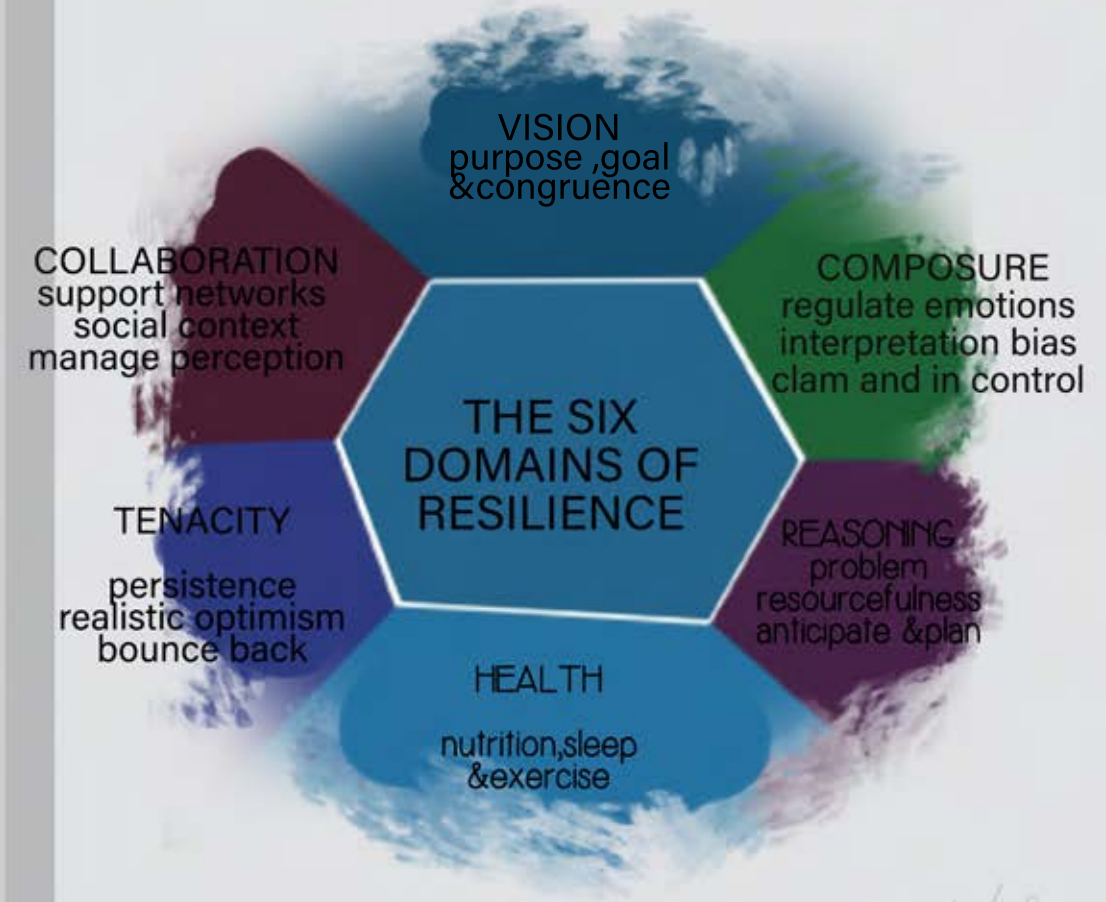
Situated on top of a V-shaped concrete foundation, the Television House sits weightlessly above the ground 1.5 meters, in fact This robust foundation was specially designed as an earthquake absorbing unit, creating a durable home with a sleek industrial design capable of resisting the seismic activity of Osaka Prefecture


SA.house by atelierA5, Tokyo

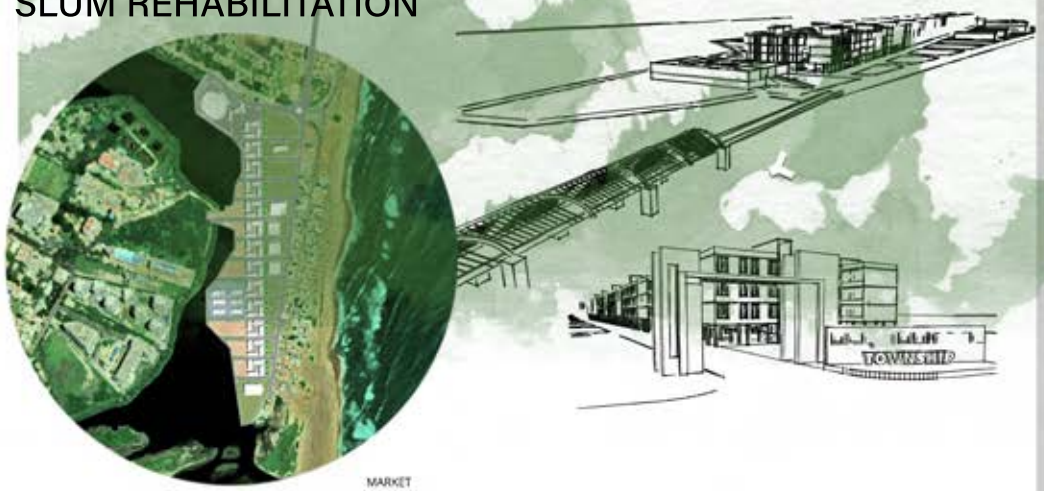
To reinforce the "stacked-tray" SA.house against Tokyo's seismic activity, atelierA5 installed iron plate braces in the back of the each floor's spandrel walls and built-in furniture Since the necessity for earthquake resistance is reduced on the upper floors, the height of each level's spandrel wall vary to afford privacy from the street

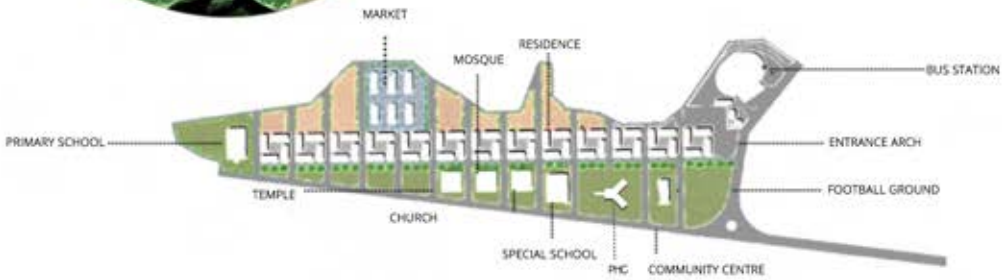
Resilient Building

Resilience Transcends Scales
Protects Natural Environment & Resources
Anticipates Interruptions and Adversity
Resilient systems provide for basic human needs
Diverse and Redundant Systems
Simple Passive and Flexible
Durable Materials
Locally Available, Renewable Resources



SLUM REHABILITATION





REQUIREMENTS

RESIDENTS

COMMUNITY CENTRE

SPECIAL SCHOOL

BUS STATION

PRIMARY AND KINDER GARDEN SCHOOL

PEDESTRIAN BRIDGE

MARKET

PRIMARY SCHOOL AND KINDER GARDEN 948 SQ M

PHC 965 SQ M

SUPER MARKET 6900 SQM

RESIDENCE 16328 SQ M

PARKING

DWELLING UNIT

COURT YARD

52 BLOCKS

PER DWELLING UNIT 43 SQ M

COMMUNITY CENTRE 357 SQ M

LOUNGE

TOILET

MARRIAGE HALL

DINING HALL

MUSIC CLASS ROOM

ART CLASS ROOM

SPECIAL SCHOOL 964 SQ M

BLIND SCHOOL FLOOR

CLASS ROOM

LIBRARY

TOILET

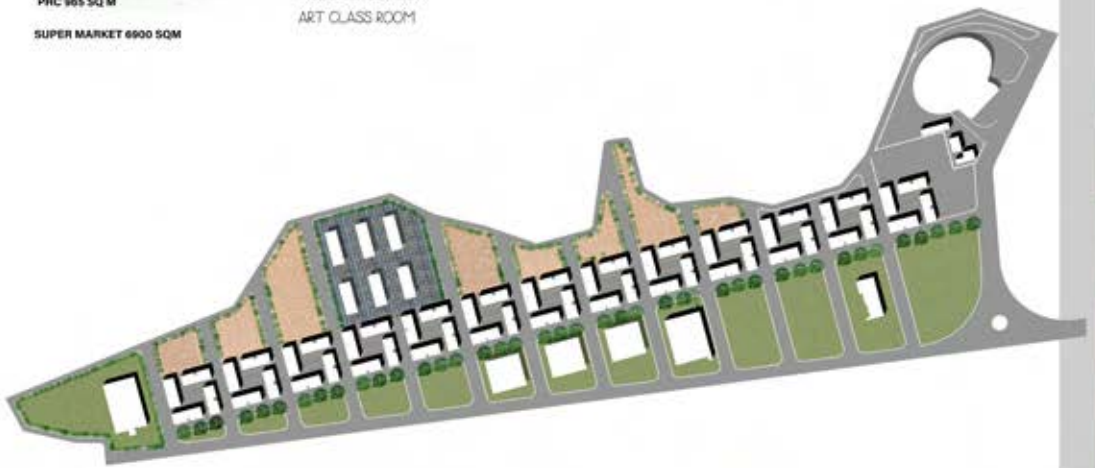
RECEPTION

DISABLED SCHOOL FLOOR

CLASS ROOM

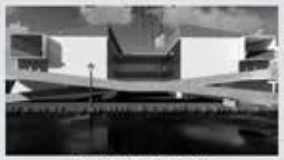
LIBRARY

RECEPTION



ZONING

APARTMENTS



SPECIAL SCHOOL

PEDESTRIAN BRIDGE

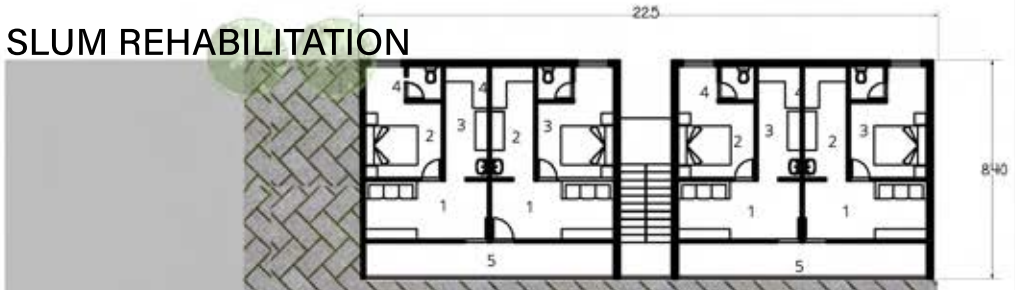
BUS STATION

PRIMARY AND NURSERY SCHOOL

COMMUNITY CENTRE

PRIMARY HEALTH CENTRE

SLUM REHABILITATION



FLOOR PLAN

APARTMENTS

Design requirements 6 dwelling unit at single apartment with easy accessible linear lobby walk way to reach the dwelling .

The provision for carbage chute system for each apartment

Styles followed minimalist and exposure brick work jali

Stilt plus 3 floors

BRICK JALI

LEGEND

1 LIVING ROOM

2 BEDROOM

3 KITCHEN

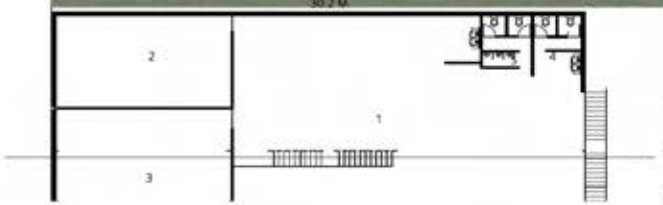
4 TOILET

5 CORRIDOR

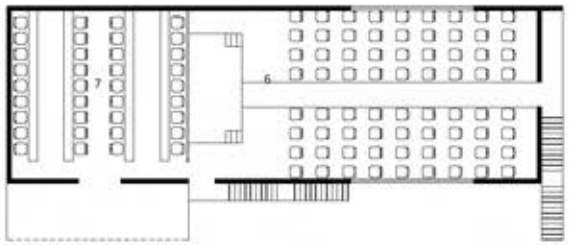
6 COURT YARD

SECTION

SLUM REHABILITATION



GROUND FLOOR



FIRST FLOOR PLAN

Community centre

In these space for to conduct meeting ,marriage ,birthday events for community people

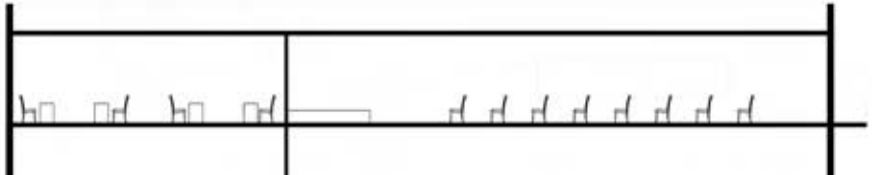
Design strategy for community centre its also minimalistic block brick pattern

In dining area behind the stage on one side of wall the brick jali was layed fully for enter natural lights

There is a still i was planned to place the music class,art studio ,dance class for community students who had willing to learn

LEGEND

1 PARKING
2 MUSIC CLASS ROOM
3 ART CLASS ROOM
4 LADIES TOIET
5 GENTS TOILET
6 MARRIAGE HALL
7 DINING HALL



Concept

The bustation theme i was took from the sea shell body to create the shelter of bus station

Provided Two atrium to penetrate the day light in side the structure

Curvely arch entrance for bustation like s sea shell body

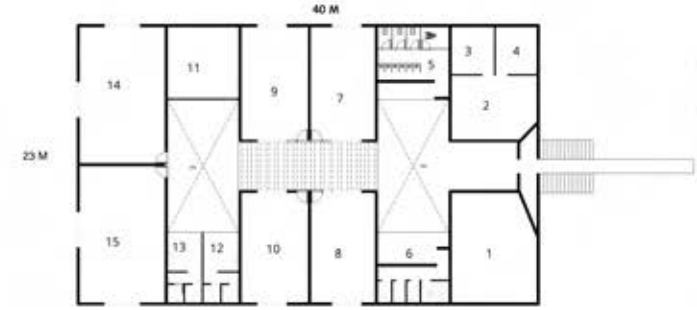
FLOOR PLAN

BUS STATION

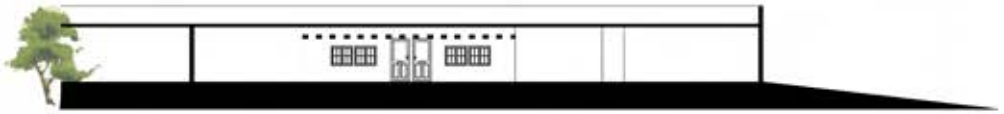
PEDESTRIAN BRIDGE

SLUM REHABILITATION

PRIMARY AND NURSERY SCHOOL



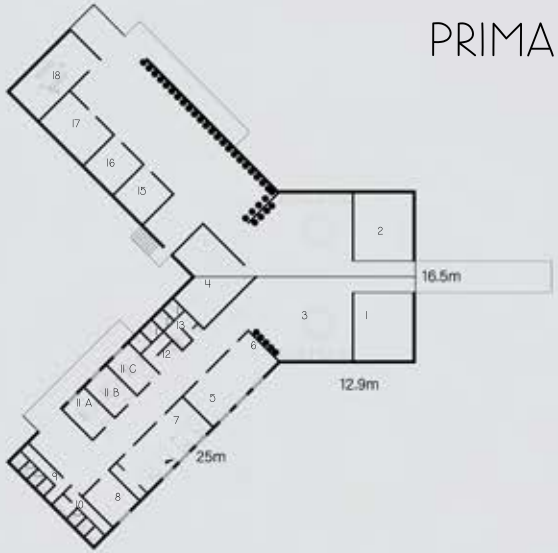
FLOOR PLAN



SECTION

LEGEND
1 KINDER GARTEN
2 ADMIN OFFICE
3 STORE ROOM
4 SERVICE ROOM
5 BOYS TOILET
6 GRLS TOILET
7 CLASS II
8 CLASS IV
9 CLASS I
10 CLASS III
11 STAFF ROOM
12 STAFF TOILET (LADIES)
13 STAFF TOILET (GENTS)
14 CLASS ROOM V
15 LIBRARY

PRIMARY HEALTH CENTRE



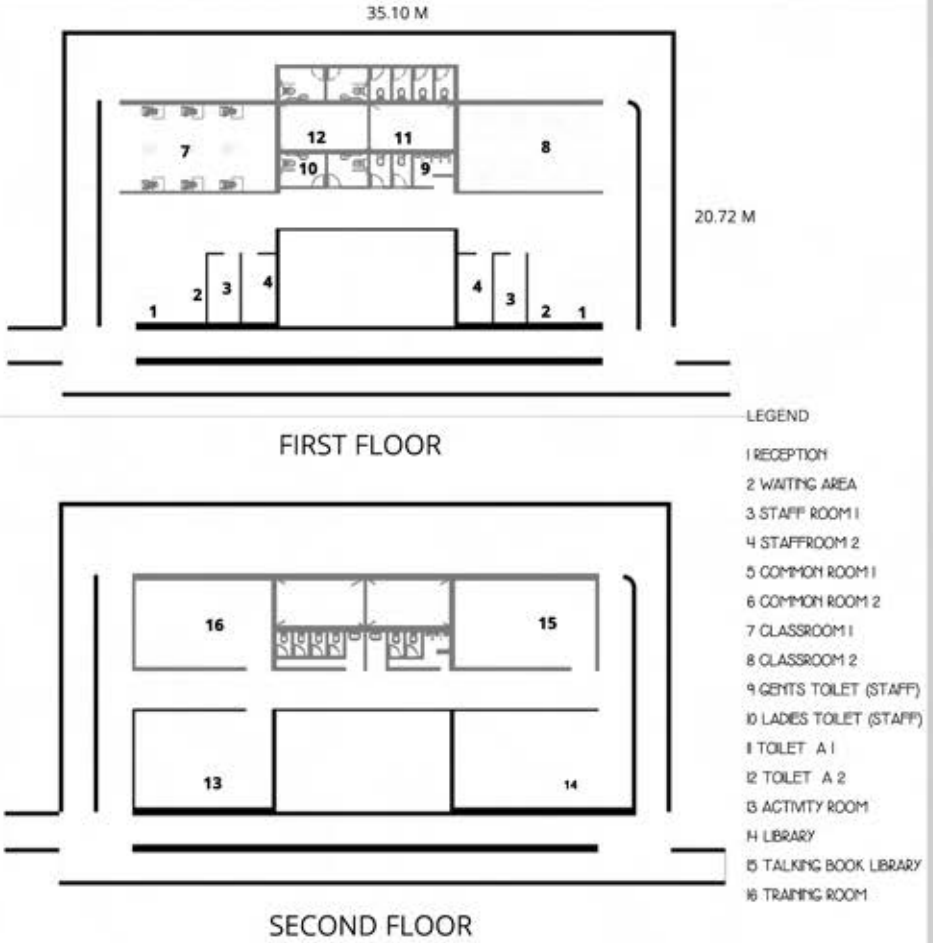
LEGENDS
1 RECEPTION
2 PHARMACY
3 LOUNGE WAITING AREA
4 ADMINISTRATION
5 STAFF STATION
6 OP
7 EMERGENCY ROOM
8 XRAY
9 LADIES TOILET
10 GENTS TOILET
11 DOCTORS ROOM
12 STAFF TOILET
13 GENTS
14 LADIES
15 DIRTY UTILITY AND DISPOSAL
16 STAFF UTILITY
17 STORAGE
18 MEETING ROOM

SECTION A

SECTION B

SLUM REHABILITATION

SPECIAL SCHOOL

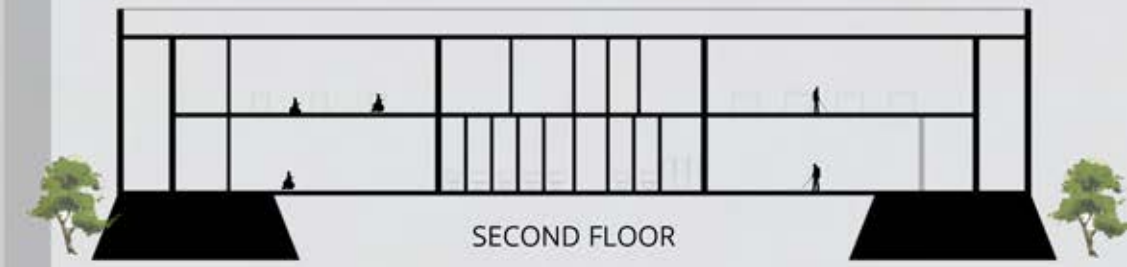


FIRST FLOOR

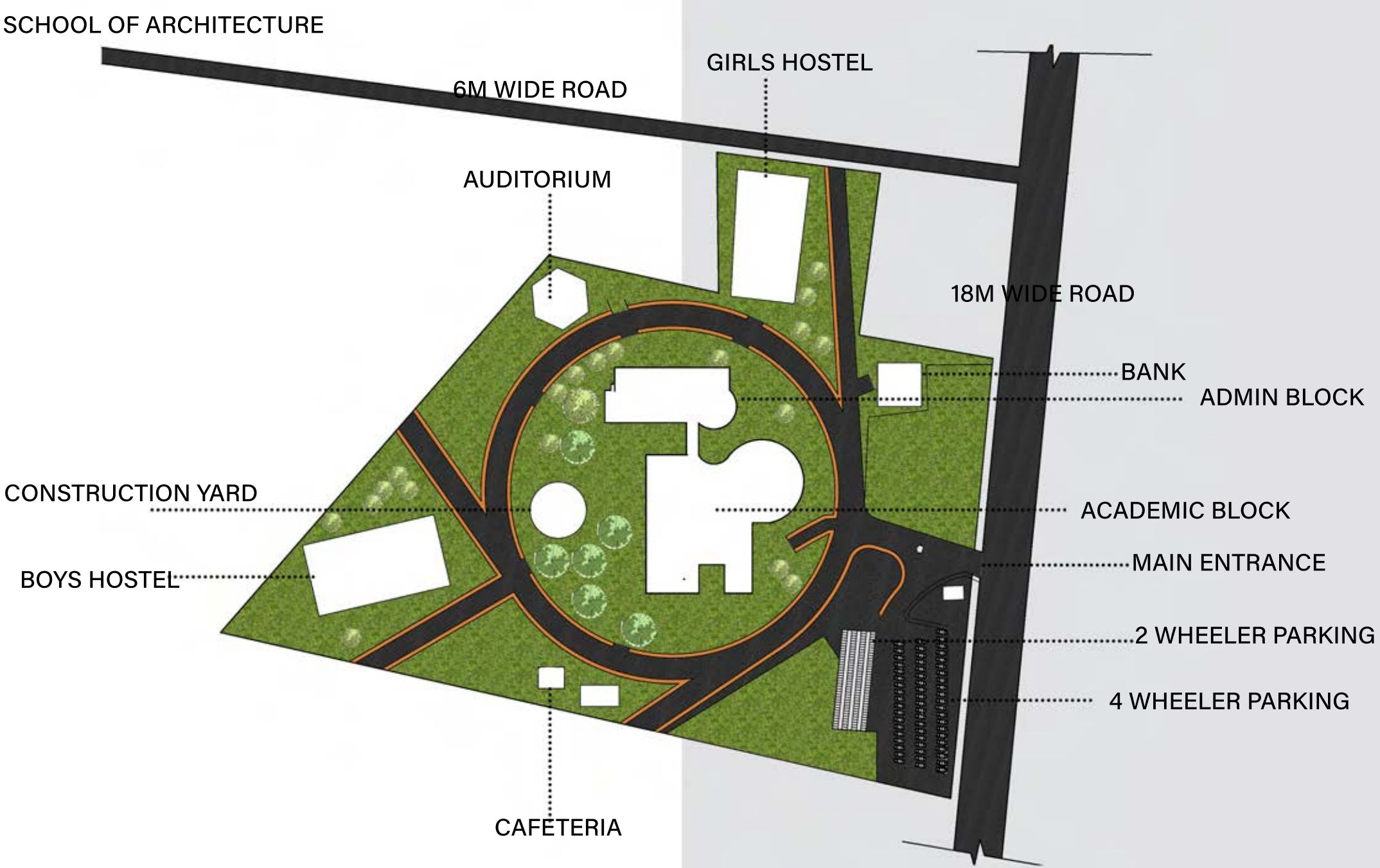
SECOND FLOOR

LEGEND

1 RECEPTION
2 WAITING AREA
3 STAFF ROOM 1
4 STAFFROOM 2
5 COMMON ROOM 1
6 COMMON ROOM 2
7 CLASSROOM 1
8 CLASSROOM 2
9 GENTS TOILET (STAFF)
10 LADIES TOILET (STAFF)
11 TOILET A 1
12 TOILET A 2
13 ACTIVITY ROOM
14 LIBRARY
15 TALKING BOOK LIBRARY
16 TRAINING ROOM

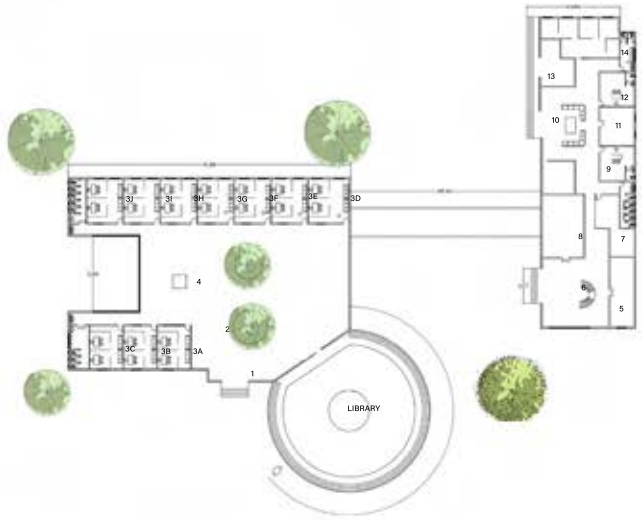


SECOND FLOOR


SCHOOL OF ARCHITECTURE
6M WIDE ROAD
GIRLS HOSTEL
AUDITORIUM
18M WIDE ROAD
BANK
ADMIN BLOCK
CONSTRUCTION YARD
ACADEMIC BLOCK
BOYS HOSTEL
MAIN ENTRANCE
2 WHEELER PARKING
4 WHEELER PARKING
CAFETERIA

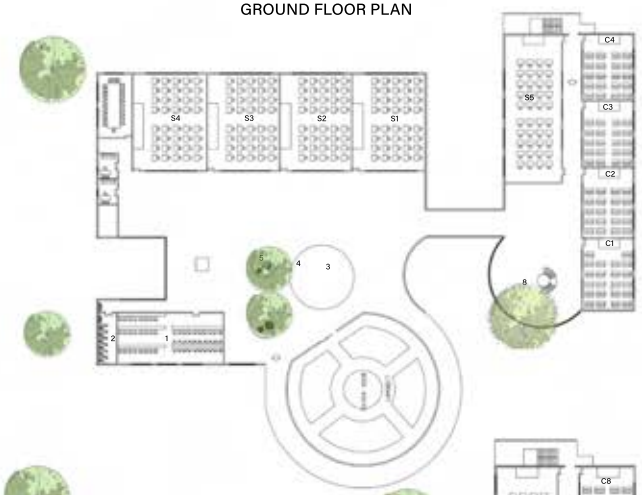
MASTER PLAN

SCHOOL OF ARCHITECTURE



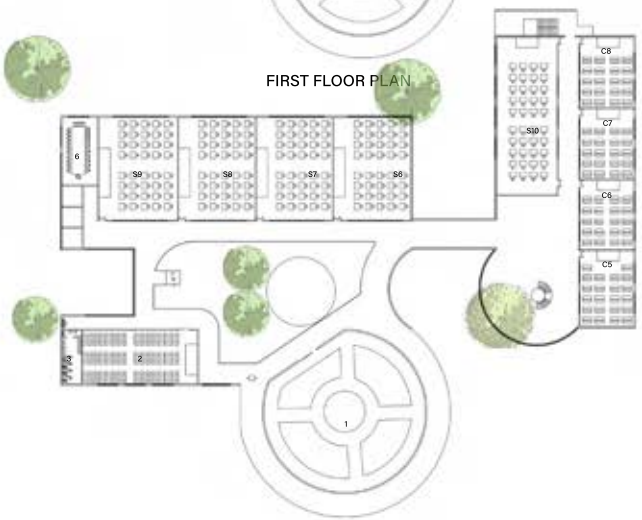
GROUND FLOOR PLAN

LEGENDS
1.MAIN ENTRY
2.DISPLAY AREA
3.STAFF ROOMS
4.LIFT
5.CLIMATOLOGY
6.BUILDING MATERIAL LAB
7.CERTIFICATE ROOM
8.STORE ROOM
9.DIRECTOR ROOM
10.RECEPTION AREA
11.OFFICE ROOM
12.HOD ROOM
13.STATIONERY SHOP
14.GENTS TOILET



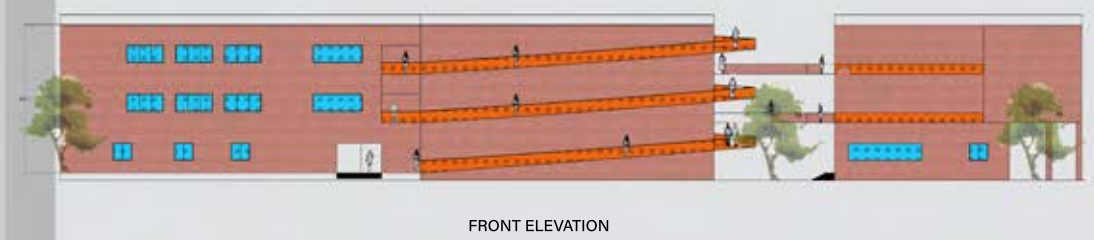
FIRST FLOOR PLAN

LEGENDS
1.COMPUTER LAB
2.GENTS TOILET
3.FOUNTAIN
4.ROOF GARDEN
5.TREES
6.STUDIO 1,2,3,4
7.CLASS ROOM 1,2,3,4
8.GATHERING SPACE



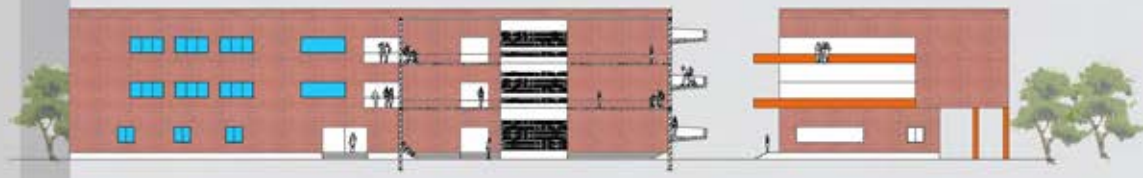
SECOND FLOOR PLAN

LEGENDS
1.LIBRARY
2.SEMINAR HALL
3.GIRLS TOILET
4.STUDIO 6,7,8,9,10
5.CLASSROOM 5,6,7,8
6.CONFERENCE HALL

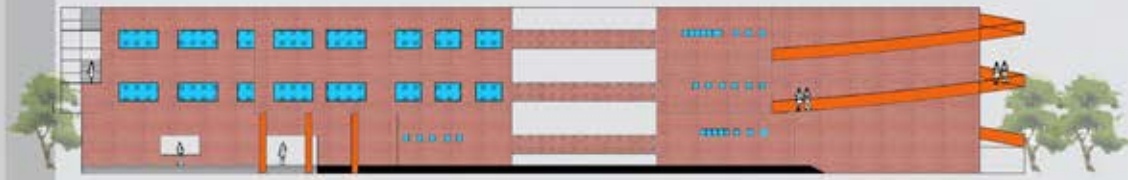


FRONT ELEVATION

SECTION A

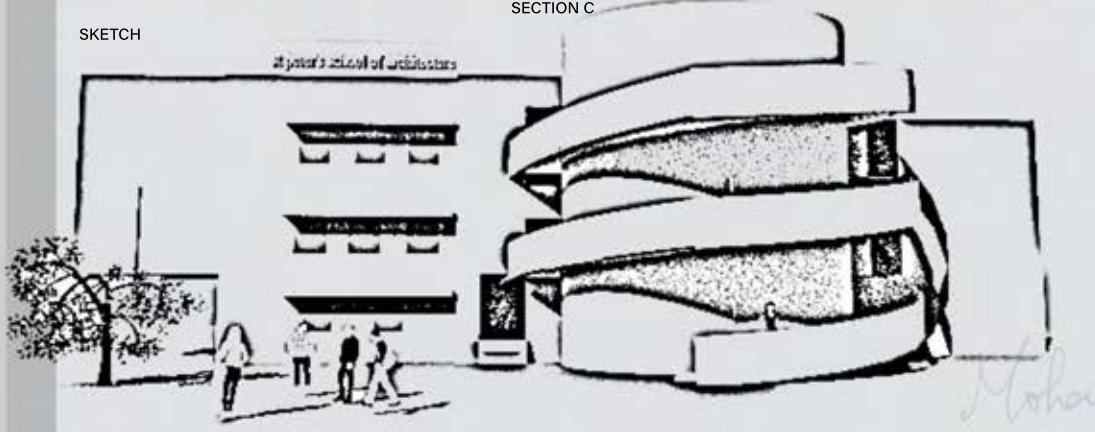


SECTION B



SECTION C

SKETCH



INTERIOR DESIGN residence

PROJECT DETAIL

Site Location - Vandalur Chennai

Client name - Ganesh

Budget - 10 lak

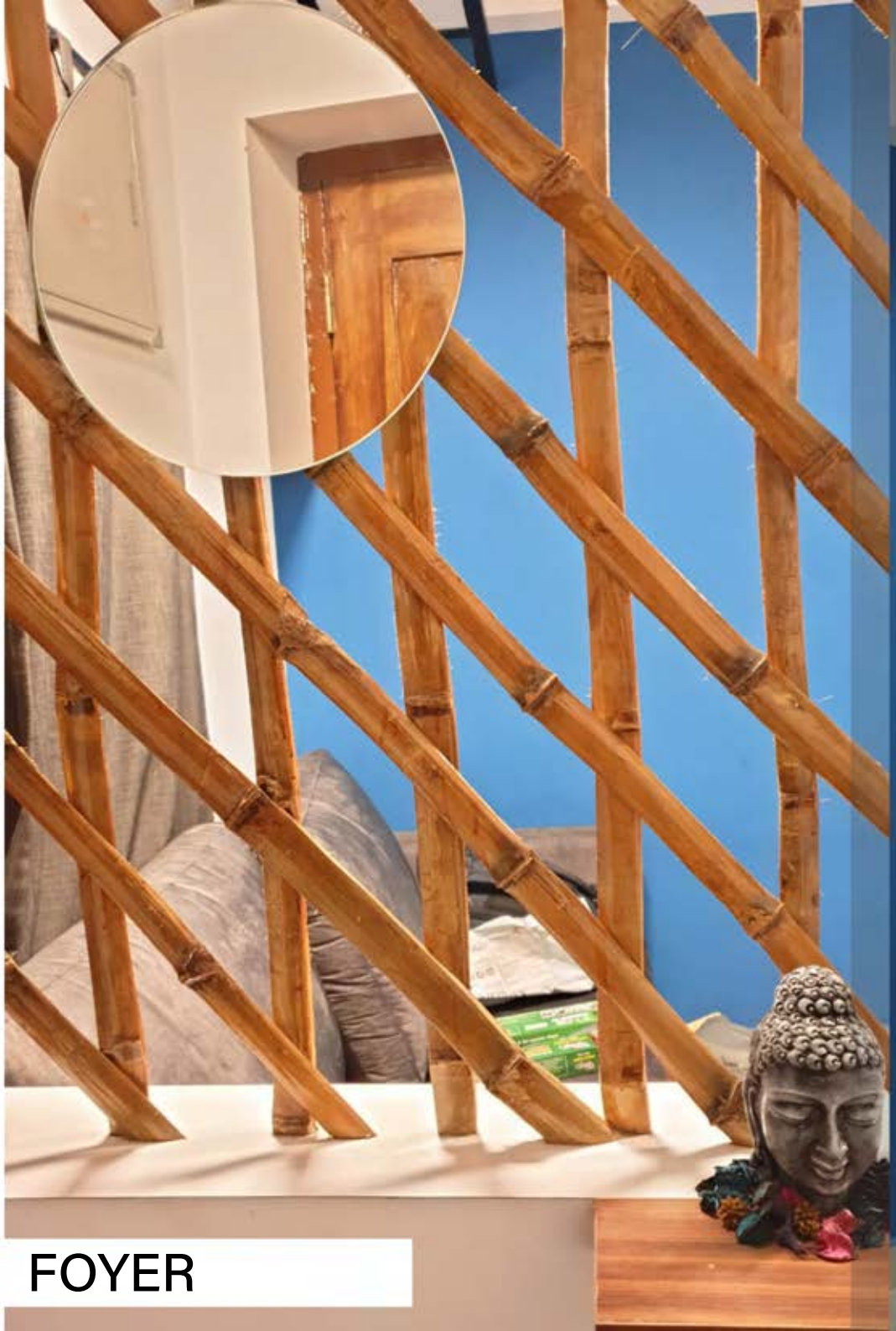
Architects - Mohan , Abdul

I'm gladly saying these are the first live project in my carreer ,and thanks to our client Ganesh, who trusted us more, from the starting to end of the project , we have taken 50 days to complete these project ,from the design to execution .

Me and my friend ,Abdul had involved in these interior project.

These project are key for our career ,client's side family members are appreciated for these work

FLOOR PLAN



FOYER

LIVING ROOM

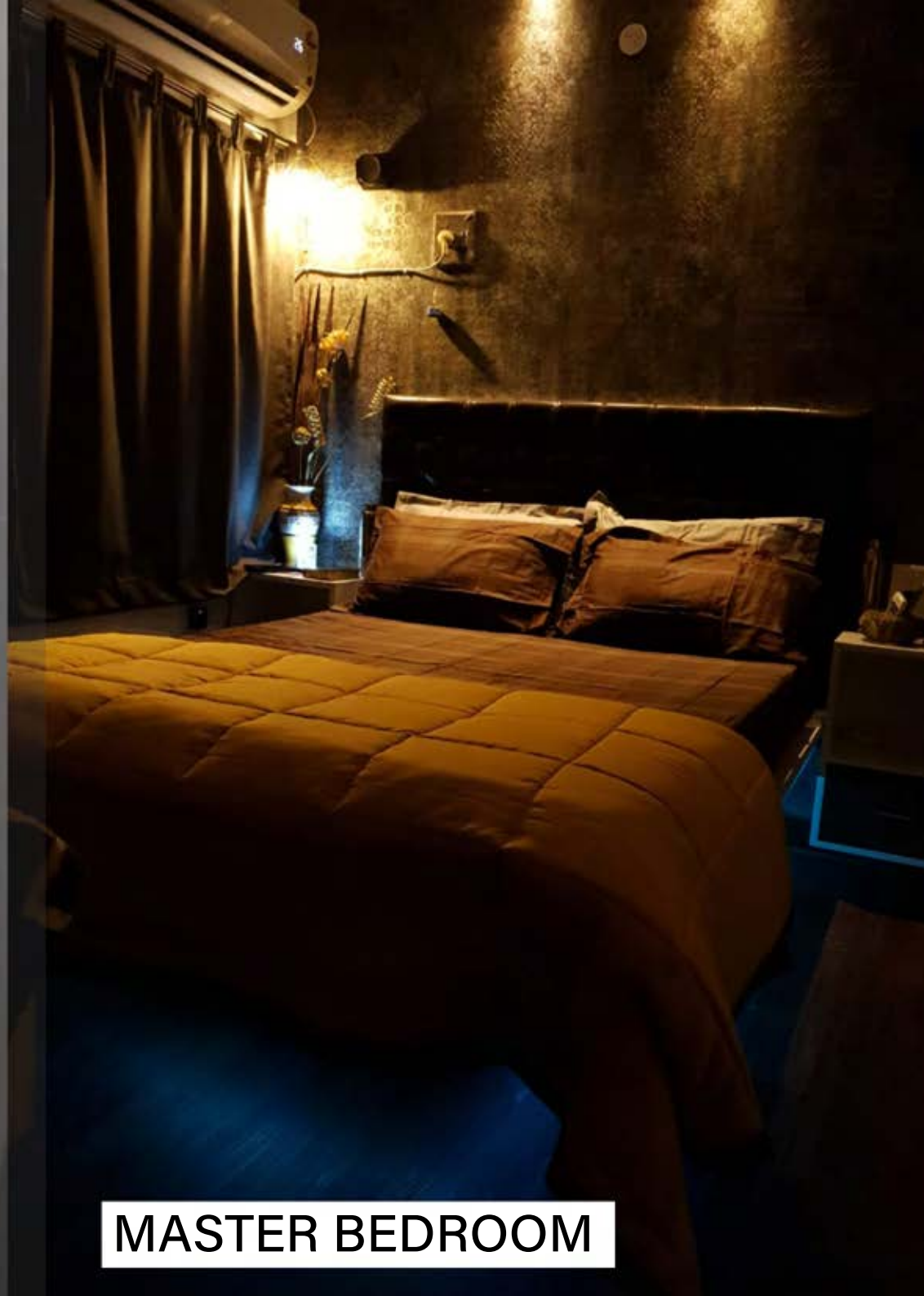
DINING

WALK WAY

WORK SPACE

GUEST ROOM

wc

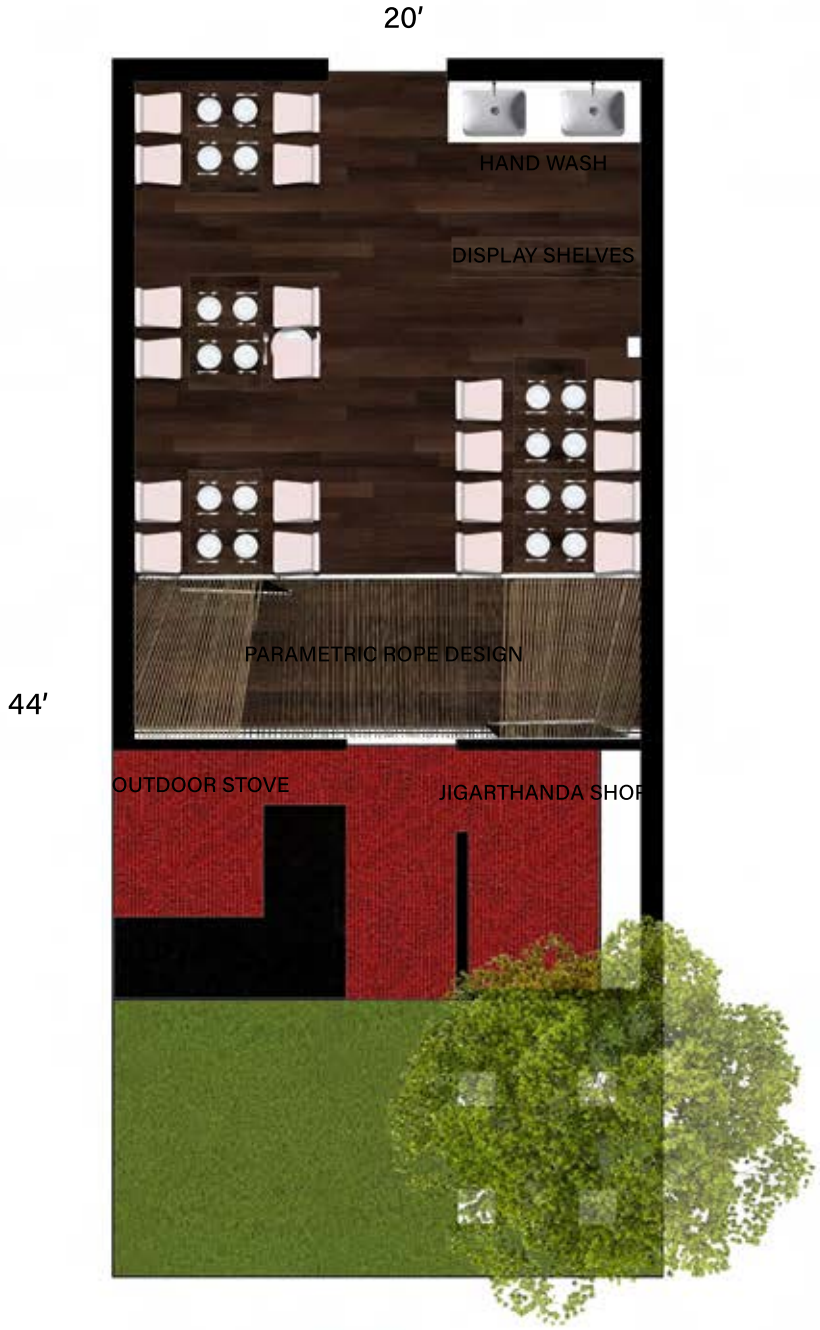


MASTER BEDROOM

POOJA UNIT

CEILING

INTERIOR DESIGN (RESTAURANT)



FLOOR PLAN

PROJECT : INTERIOR DESIGN

CLIENT NAME : PRABHA

BUDGET : 6 LAK

DESIGN BRIEF

:

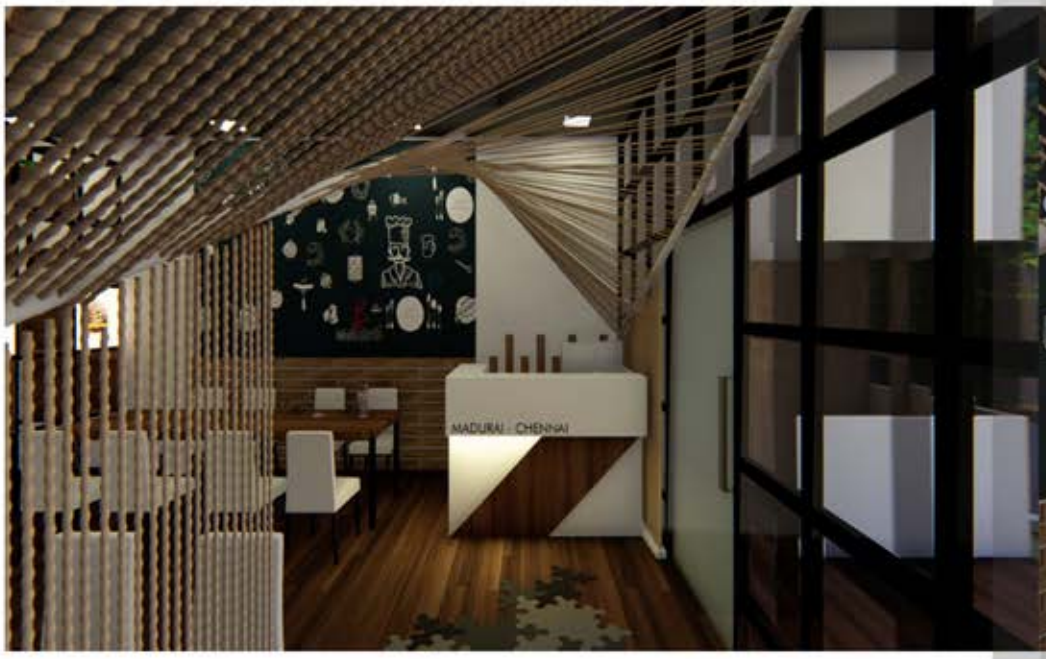
The hotel was based on madurai famous foods so fully including wallpaper also i did the

Same theme based on that

Were entrance are designed a parametric rope arch .

Wooden flooring and wall paneling with wooden planks .

INTERIOR DESIGN (RESTAURANT)



VIEW 1

VIEW 2

VIEW 3

VIEW 4

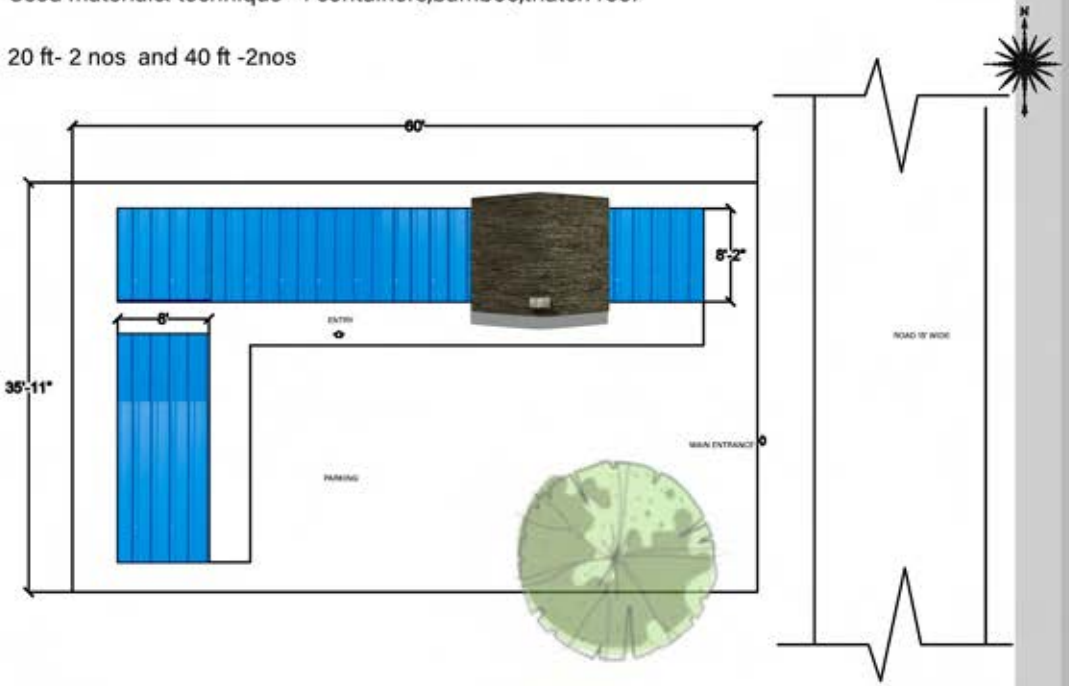
CONTAINER OFFICE competition

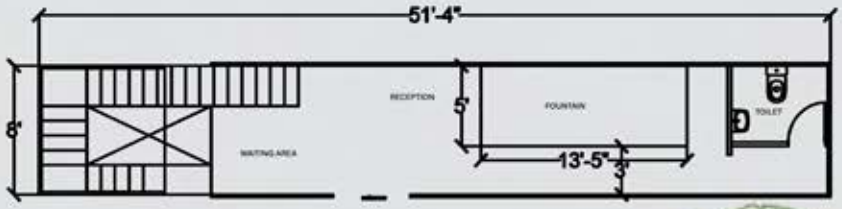
Area statement and construction details

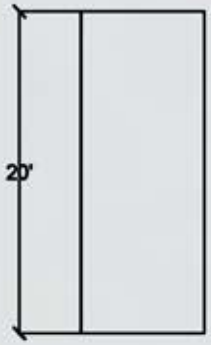
Area 2150 sq ft

Used material& technique -4 containers,bamboo,thatch roof

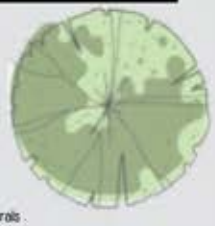
20 ft- 2 nos and 40 ft -2nos







GROUND FLOOR PLAN



DESIGN CONCEPT

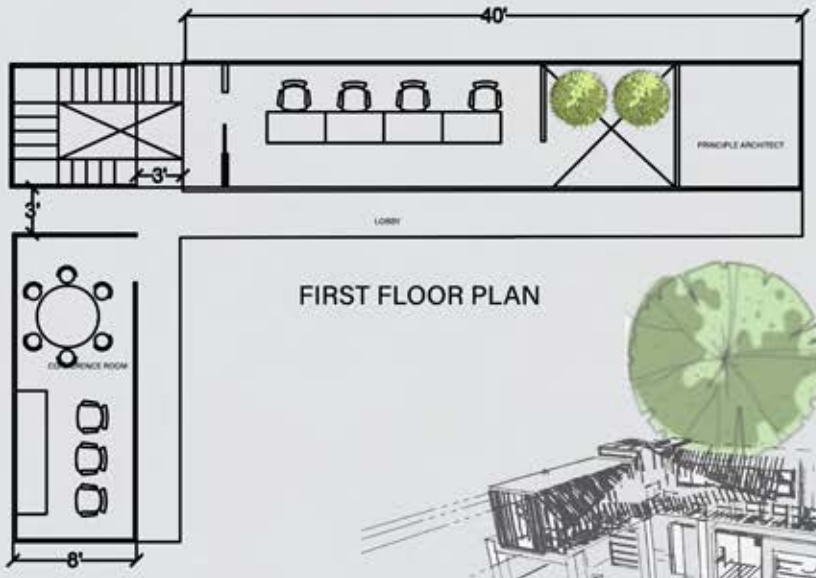
The design concept of this modern materials are interacting with naturals .
So simply I tried to connect with nature and sustainability to create comfort zone the help of passive cooling technique .
Obiously we know the steel structure of container it will raises up heat from solar radiation

In this design I tried to keep all 4 containers created some gaps in between in container to penetrate air

And ground floor container they have one fountain it will keep cools around that space .

and first floor I decided to create partition wall with ancient method technique(wattle and daub)it is also great insullasion material

And lobby space the whole façade designed with bamboo and wooden planks
Directly faced east direction .
The bamboo façade is help to reduce direct sunlight in to the inner space
In their first floor they has thatch roof.
Below that thatch roof space it always in cool condition when the air passes through that way it will spread both way and gives comfort conditions



FIRST FLOOR PLAN

THANK YOU