

# MOHAMMED TALHA QADIR KHAN

## ARCHITECTURAL DESIGNER

### CAREER OBJECTIVE

#### INFO

##### Name

*Mohammed Talha Qadir Khan*

##### Address

*A1-195, Pakistan Railway Society,  
Block 13-A, Gulshan-e-Iqbal, Karachi.*

##### Phone

*+92 3462362914*

##### Email

*tk.khanvs@gmail.com*

To gain practical knowledge in a dynamic and progressive organization offering ample opportunities for diversified exposure, enhancement of professional skills and career growth

### PERSONAL SKILLS

I am Logical and methodical in my approach to work. My aptitude for working and Communication is excellent and my ability to develop and enhance my skills on an ongoing basis assures that i will never be left behind in any competition or in the ever-changing world of information technology

### EXPERIENCES

Archview (2021)  
*Site Instructor*

NESPAK (2017)  
*Design Internship*

IAPEX (2017, 2019)  
*Volunteer in Management team*

### QUALIFICATION

B.Arch  
*University of Karachi*

Intermediate (Pre-Engineering) Govt. Jinnah College  
*Karachi Board*

Matriculation ( Nova School of Excellance)  
*Matric board Karachi*

### EXTRA CIRCULAR ACTIVITIES

Fond of designing to improve my designing skills and have interest in Photography and Cricket, I am a self learner in my related field / sources

### SKILLS

Soft Skills



Hard Skills



Design development



Photography



#### RESUME

#### SOCIAL

##### Facebook

*Facebook.com/Arch.talha*

##### Behance

*www.behance.net/*

#### COMPUTER LITERACY

- Microsoft Office
- Autocad
- Sketchup
- Revit
- V-ray
- Photoshop

#### REFERENCES

To be furnished upon request

CONTENTS

ACADEMIC

PRIMARY SCHOOL  
LOW COST HOUSE  
THREE STAR HOTEL  
VERTICAL HOUSING  
HOSTEL  
DESIGN OF WASTE  
URBAN SEAT  
INSPIRELY COMPETITION ENTRY  
THESIS DESIGN

PROFESSIONAL

400 SQ.YDS HOUSE

ACADEMIC

### Design of a primary school

A primary school to be designed with the following requirements.

1. The school will be comprised of grade one to grade five.
2. Each grade will have four sections.
3. Maximum students in each section will be 35.
4. There will be three section of Montessori having maximum having 10 students each.
5. There will be two sections of KG having 15 students each.
6. There shall be an administration building to house:
  - a. Head Master/Head Mistress office with 15 person meeting space and personal secretary.
  - b. Second Head Master/Head Mistress office
  - c. Staff room for 30 teachers
  - d. Admission office
  - e. Account office
  - f. Examination office.
  - g. A conference room for 50 persons.
7. There shall be library for grade one to grade five students.
8. A separate library/activity room for KG classes.
9. There shall be a multipurpose hall to accommodate 1000 people. The multipurpose hall shall also be used for indoor games.

10. There shall be a play grounds, separately for the younger and smaller children.
11. A small health Centre with doctor's space.
12. School should have a lunch room for 300 students.
13. Facilities for the toilets, kitchens and stores should be as per requirements.

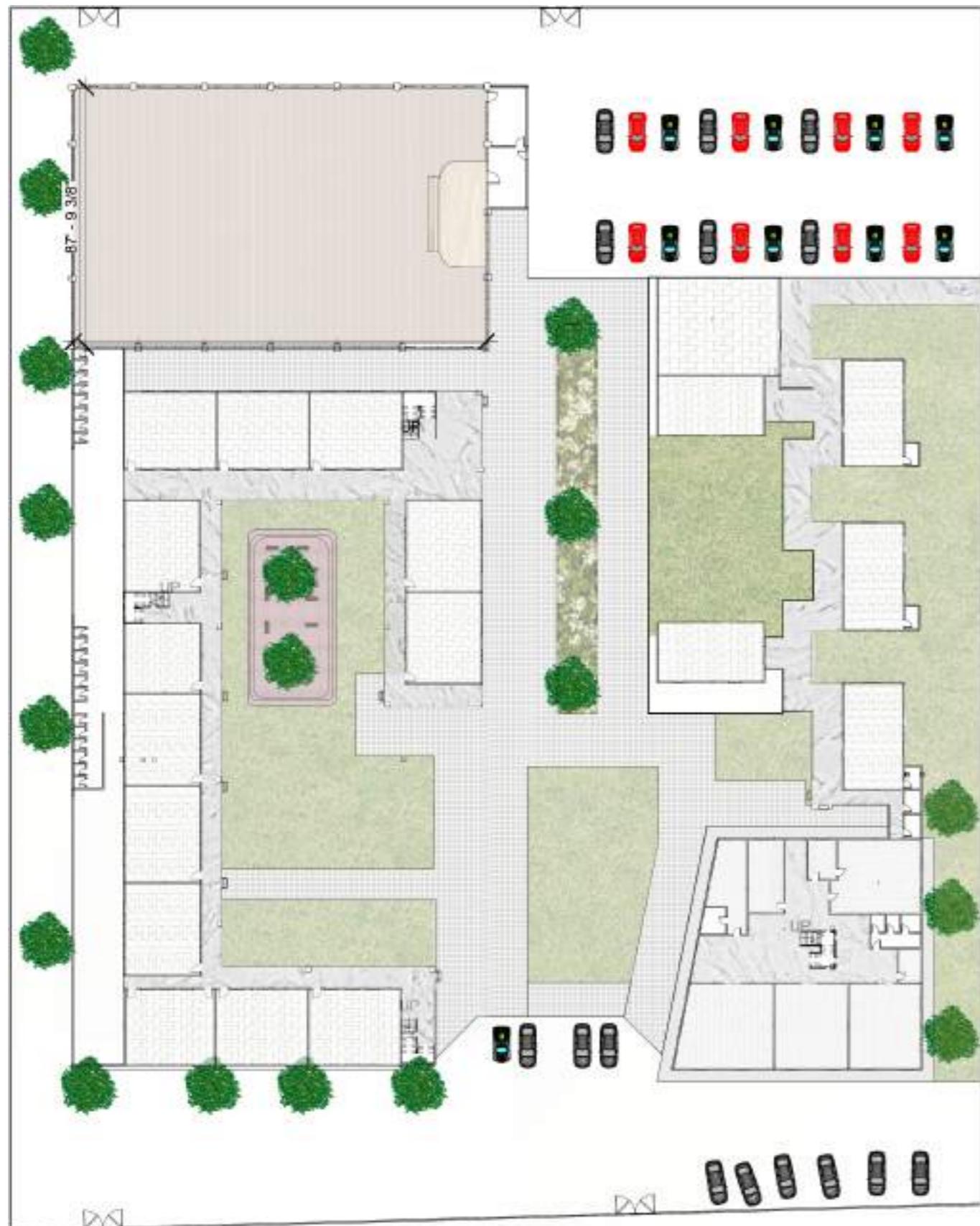
Designer has to work considering all the modern facilities required for this level of school. Additional spaces other than requirements may be provided if feel necessary.

Other than Montessori and KG the school building will be naturally ventilated.

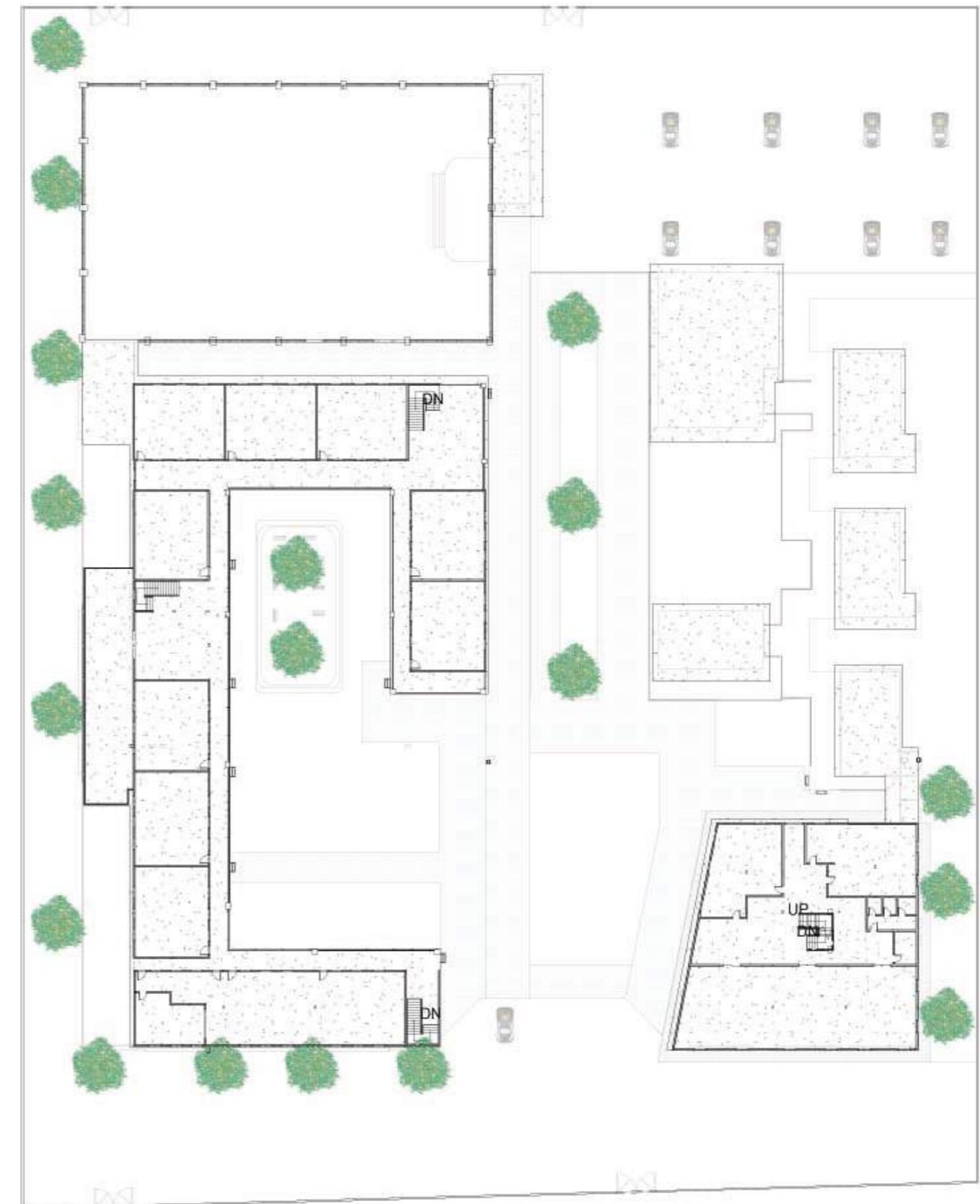
The building should be designed to keep in mind following byelaws.

1. 15'-0" Compulsory open space on the rear and three sides.
2. 40'-0" compulsory open space from the front side.





GROUND FLOOR PLAN



FIRST FLOOR PLAN

CONTEXTUAL VIEW



ELEVATIONS



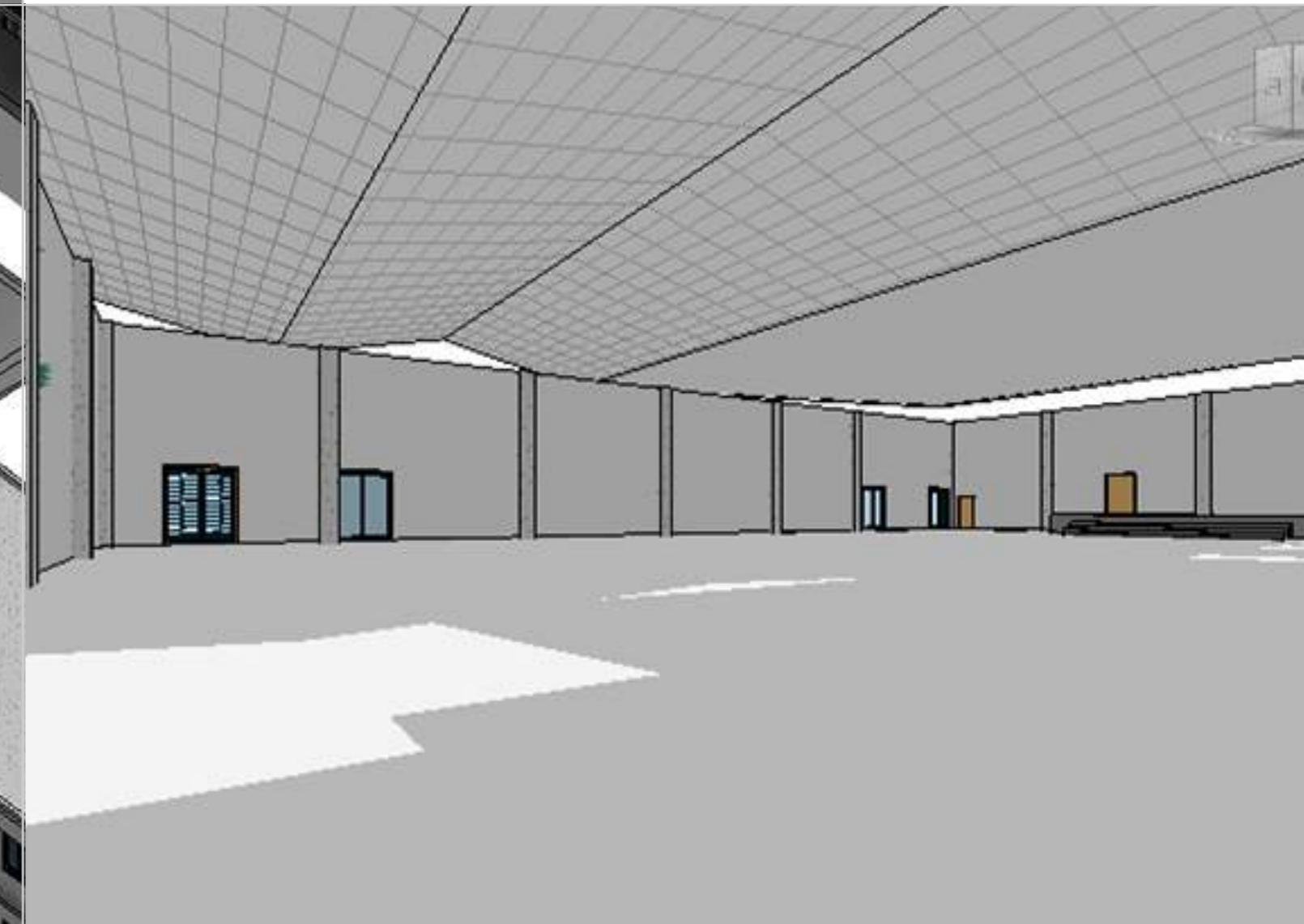
① East  
1/32" = 1'-0"



② North  
1/32" = 1'-0"



③ South  
1/32" = 1'-0"

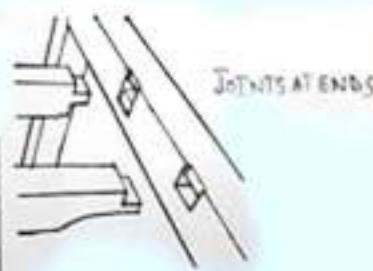
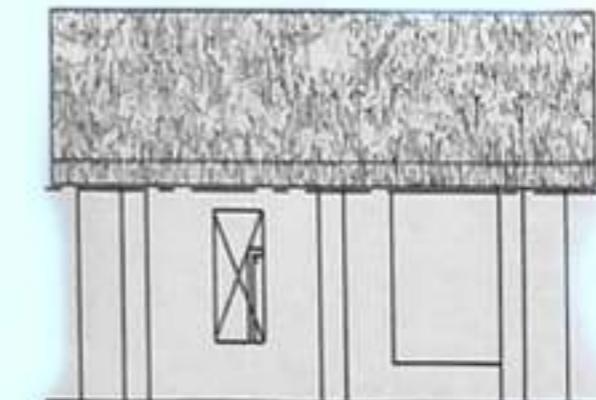
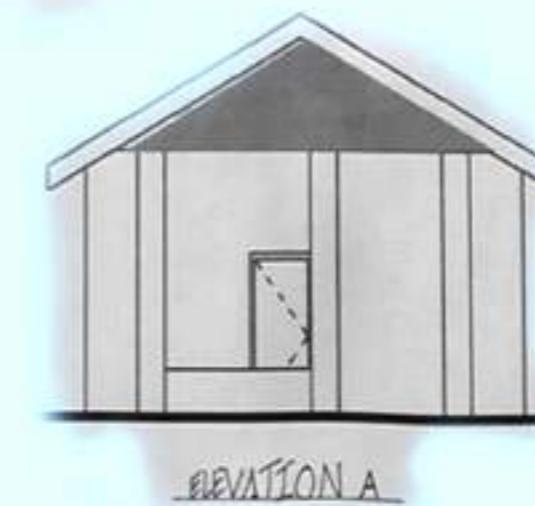
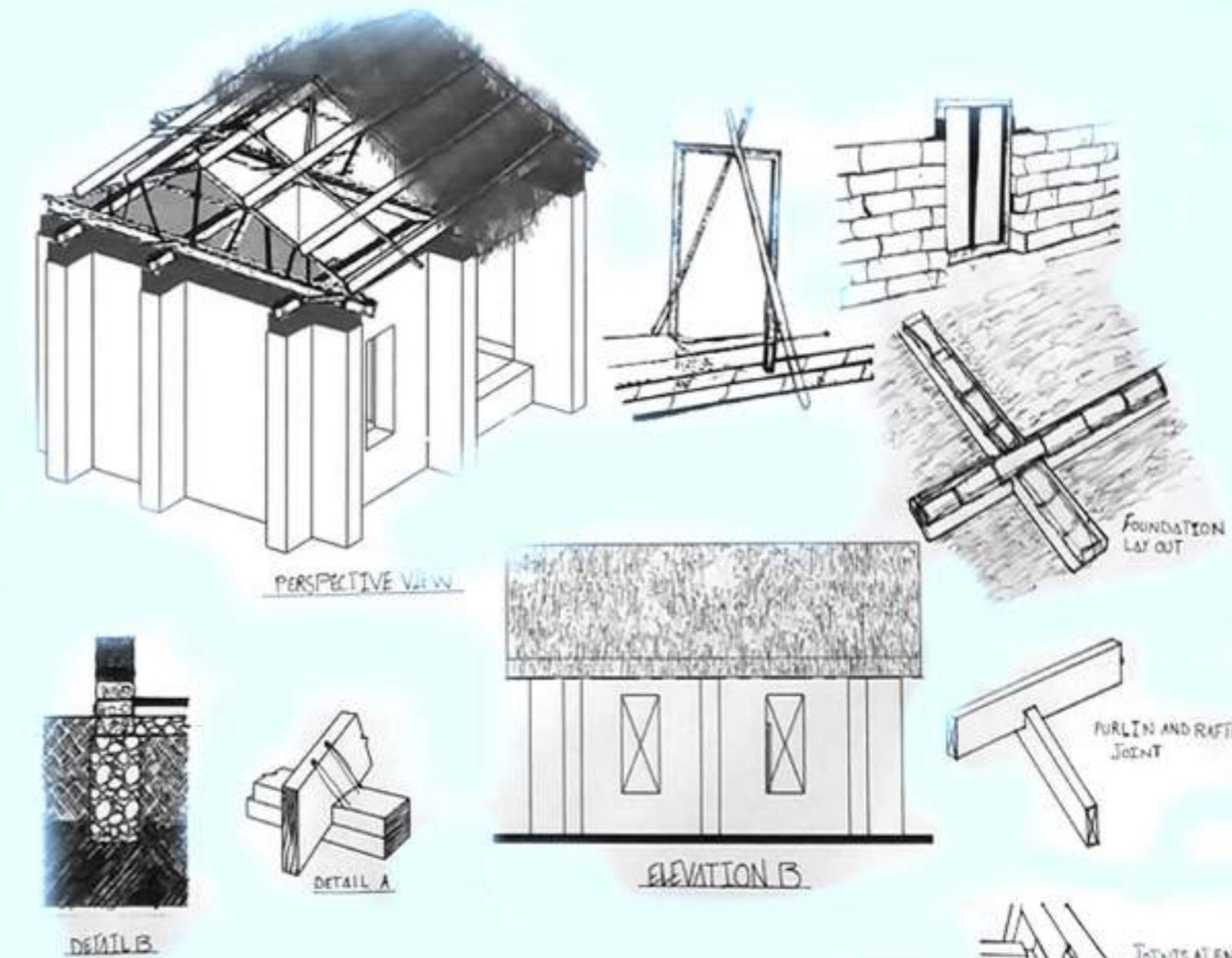
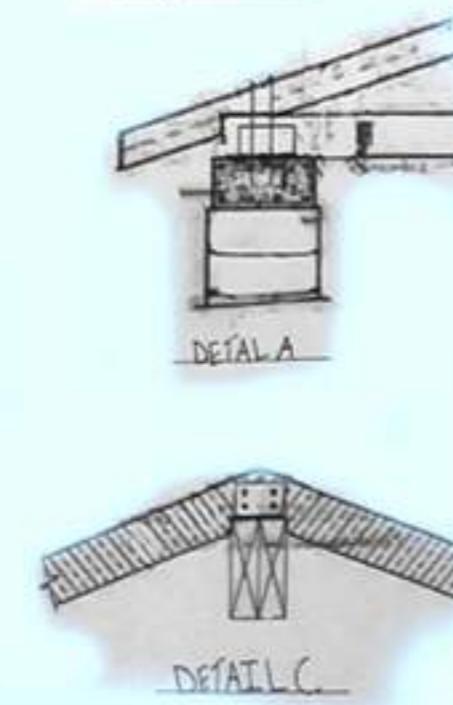
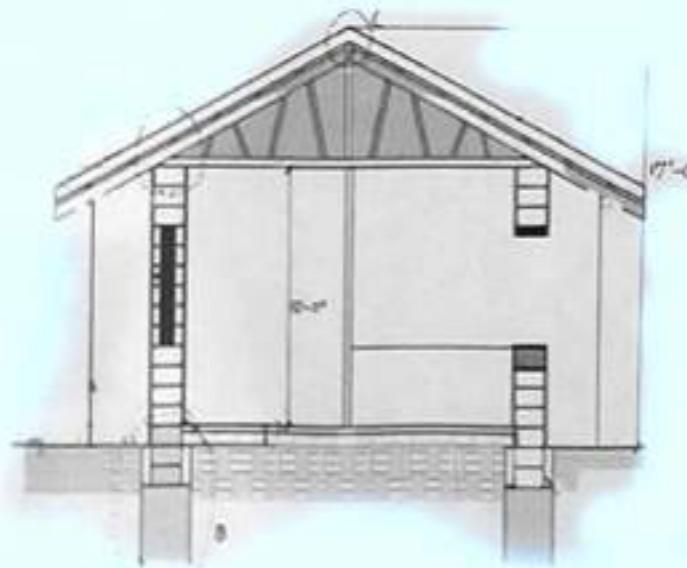
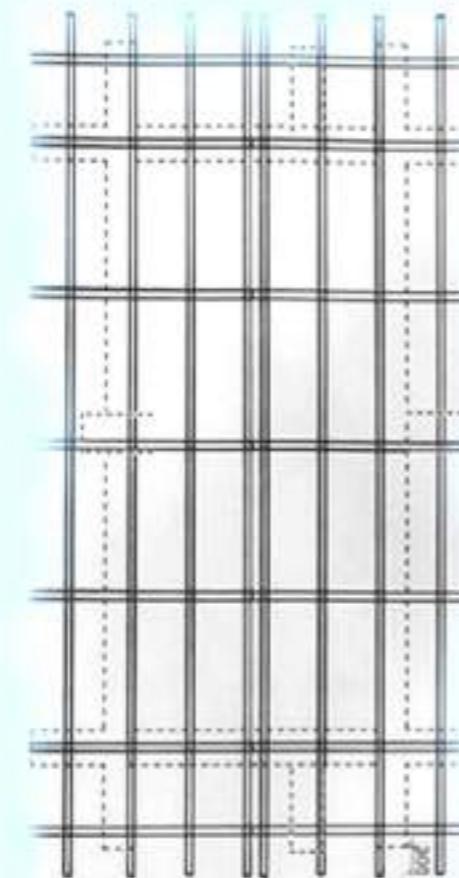
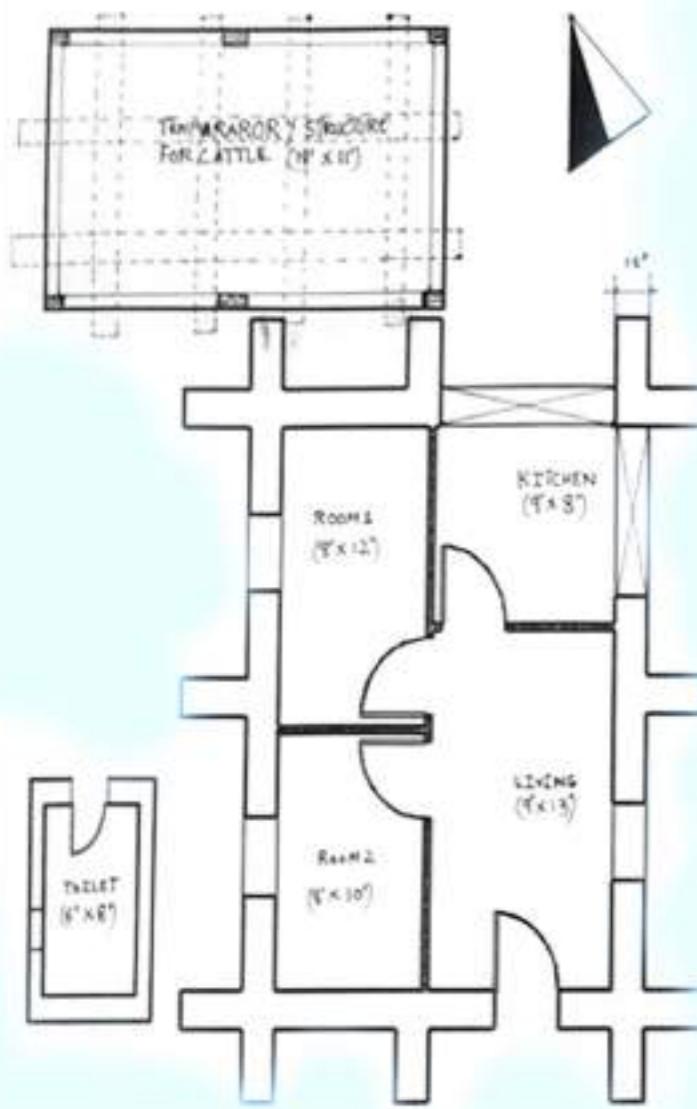


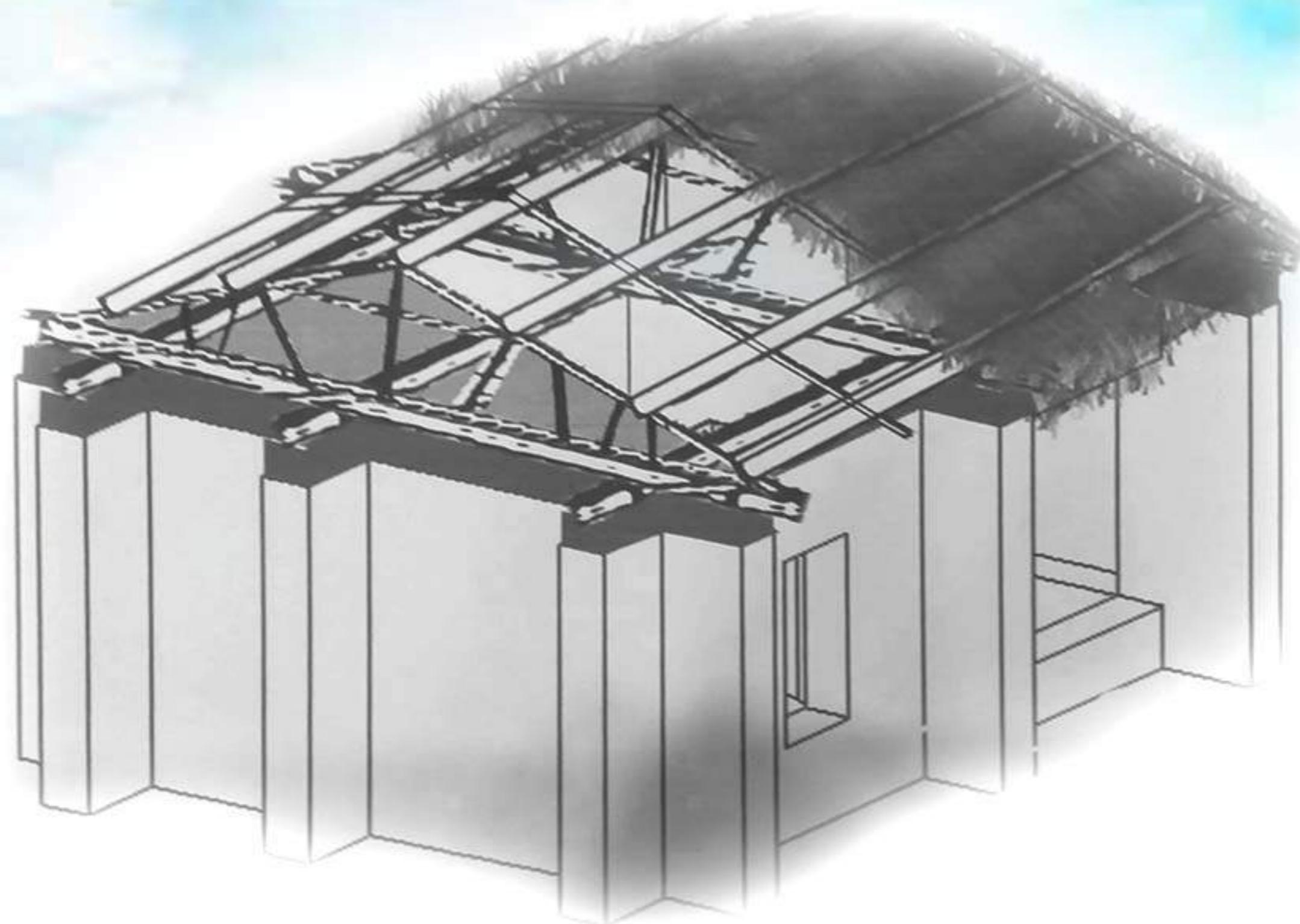


THIRD YEAR SECOND SEMESTER

FLOOD RESISTANT LOW COST HOUSE

MATERIALS USED:  
SAND BAG WALLS  
CONCRETE  
WOOD





FOURTH YEAR FIRST SEMESTER

THREE STAR HOTEL

# PROJECT # 1

DESIGNING AND PLANNING  
OF A THREE STAR HOTEL

THIS PROJECT WAS  
CONSIST OF THREE  
STAGES

- SITE APPRAISALS
- DESIGN PROPOSALS
- DESIGN REPORT

BRIEF :  
DESIGN OF A THREE STAR HOTEL  
OF 150 KEYSONS WITH 300 CAR  
PARKING ALSO TAKING IURBAN  
ISSUES IN CONSIDERATION WITH  
RESPECT TO THE SITE .  
ACCORDING TO THE BYE-LAWS OF  
CONCERNED AUTHORITY.

LOCATION IN KARACHI



## SITE INTRODUCTION

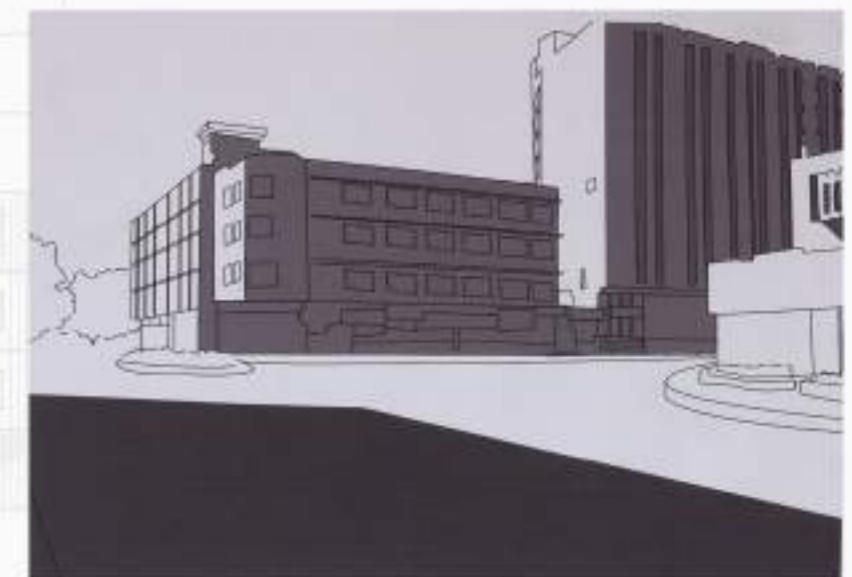
METROPOLE HOTEL KARACHI

THE SITE GIVEN TO US WAS THE METROPOLE HOTEL KARACHI, WHICH HOLDS A HISTORICAL AND MEMORABLE VALUE, WHICH IS PRESENT IN THE BUSINESS DOWNTOWN OF KARACHI THAT IS ABDULLAH HAROON ROAD. METROPOLE HOTEL WAS BUILT IN, 1950 'S, WHICH WAS INCLUDED IN THE LUXURIOUS HOTELS AT THAT TIME. THE PEOPLE WHO CAME FROM ABROAD SPECIALLY GENERALISTS, METROPOLE HOTEL IN KARACHI WERE THE ONLY CENTER FOR THE FOREIGN GUESTS AND GENERALISTS, AND THERE WAS ALSO A GOOD TOURIST CENTRE, DUE TO WHICH THERE WAS ENOUGH TOURISM PROMOTED .

SITE SUN STUDY AT 2PM

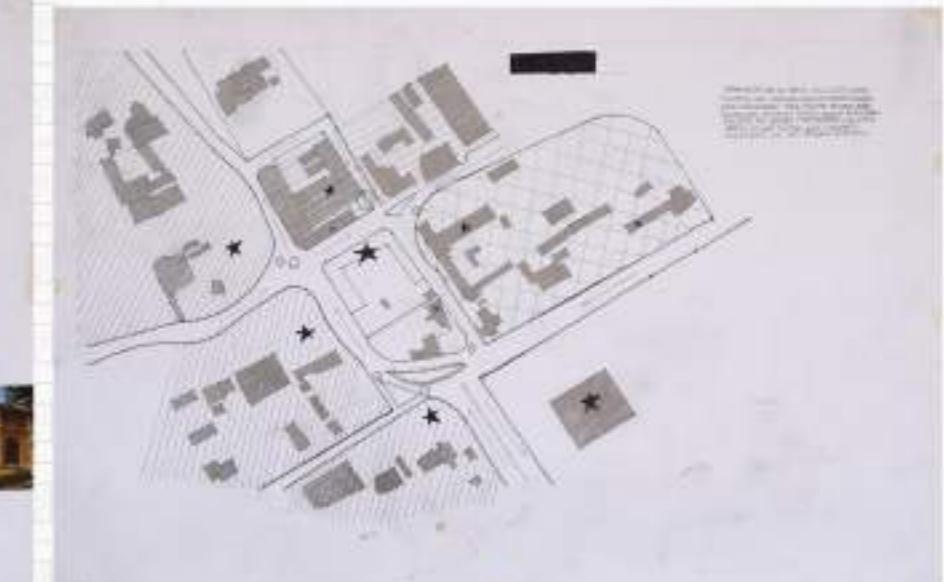
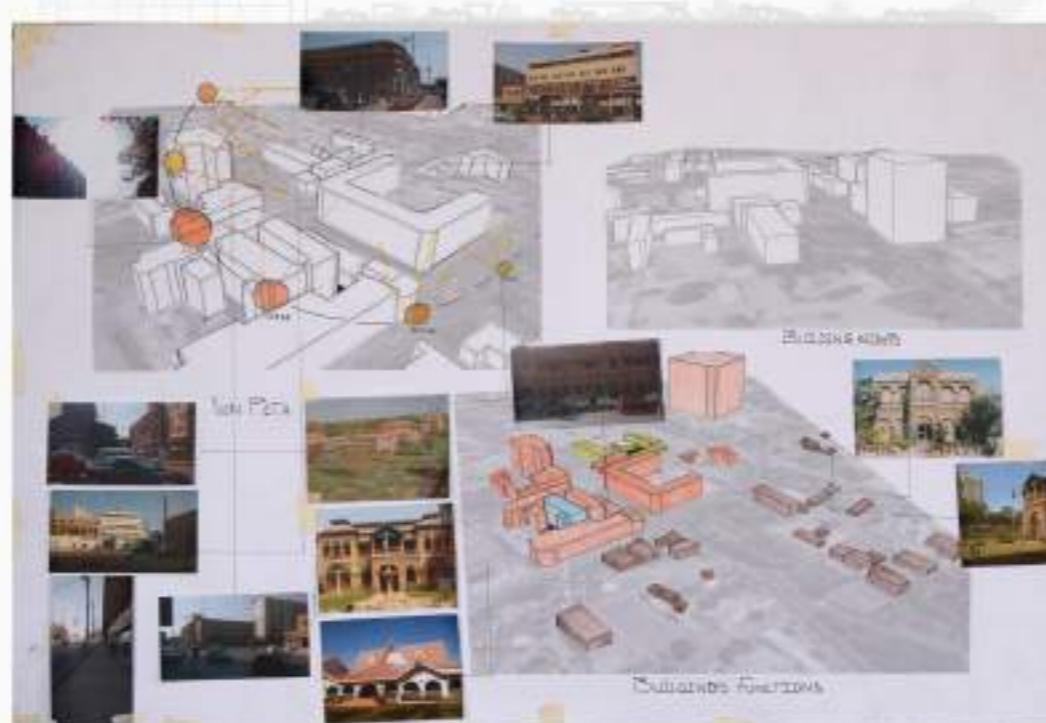


VIEW AT SITE AT 2 PM



# SIGNIFICANT SITE ISSUES.

FROM TIME TO TIME, THERE IS A LOT OF NOISE IN TRAFFIC DUE TO TRAFFIC CONGESTION, POLLUTION IN THE AIR IN THE AIR AND THERE IS A LOT OF TRAFFIC, DUE TO WHICH THE PEDESTRIANS HAVE DIFFICULTY. IN THE NIGHT, THAT PLACE IS EMPTY AND ACT AS AN URBAN VOID. WHICH CAUSED THE PROBLEM OF SOME SUSPICIOUS ACTIVITY AND A FEAR?



# EXISTING AND POTENTIAL RECREATIONAL ACTIVITIES.

THERE IS SINDH CLUB, FRÈRE HALL AND KARACHI GYM KHAN. WHICH PROVIDES HEALTHY ACTIVITIES TO ITS MEMBERS AND ALSO TO THE OTHER PEOPLE? SI I TAKE THIS AS AN OPPORTUNITY TO MY SITE.

# DESIGN PROPOSAL :

WHAT I SAW IN THE ATMOSPHERE THERE AND WHEN I WENT THERE, I FELT THAT THERE WAS NOISE OVER THERE, BECAUSE OF TRAFFIC ON THE ROADS AND WE HAVE TO MAKE A HOTEL THERE, WHERE THE ROOMS OF THE GUESTS WOULD BE THERE SO, WE HAVE TO CREATE A BREATHABLE ENVIRONMENT OVER THERE. THE ENVIRONMENT SHOULD BE PLEASANT AND CLEAN SO KEEPING THIS IN MIND I HAVE INCORPORATED GREENERY IN MY DESIGN SO THAT IT COULD BE ABLE TO MAKE THE ENVIRONMENT CLEAN AND ALSO CAN REDUCE THE NOISE POLLUTION IT WILL ALSO CREATE A BUFFER FROM THE OUTSIDE ENVIRONMENT, THAT IS VERY BUSY AND NOISY.

I HAVE CREATED TWO OUTDOOR SITTINGS. IT WILL ALSO BENEFICIAL FOR HOTELS REVENUE AND FOR THE PEOPLE OUTSIDE. PEOPLE WHO WORK IN THE SURROUNDING BUILDINGS CAN COME INTO THE HOTEL'S OUTDOOR SITTING FOR EATING. THROUGH THIS SOCIAL INTERACTION BETWEEN THE PEOPLE WILL INCREASE. ONE OUTDOOR SITTING IS FACING ABDULLAH HAROON ROAD AND OTHER IS FACING MEREWETHER ROAD. THESE OUTDOOR SITTINGS WILL ALSO BE RUNNING IN THE NIGHT SO THAT AREA WILL CREATE SOME LIFE IN THE EVENING AND IN THE NIGHT FOR THE PEOPLE.

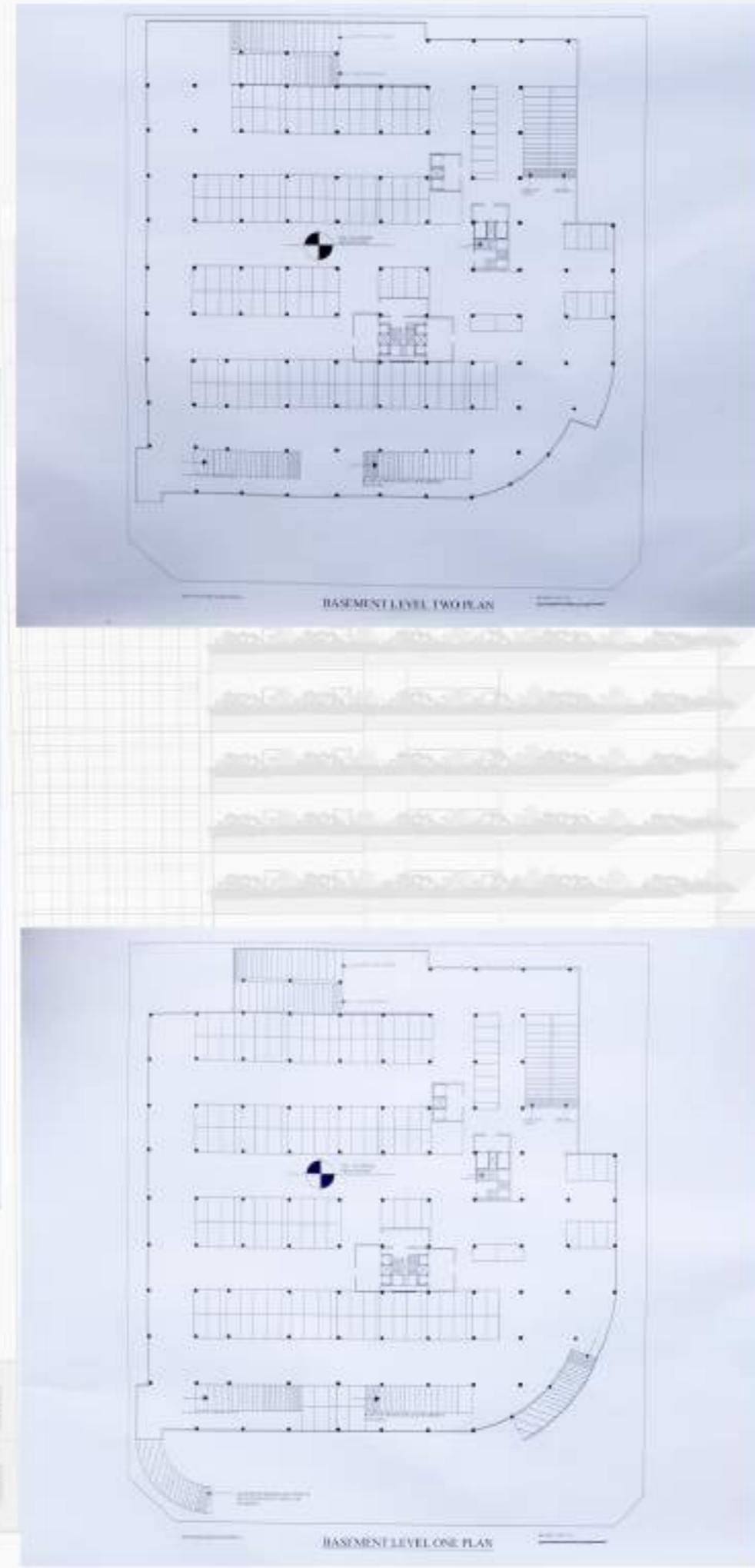
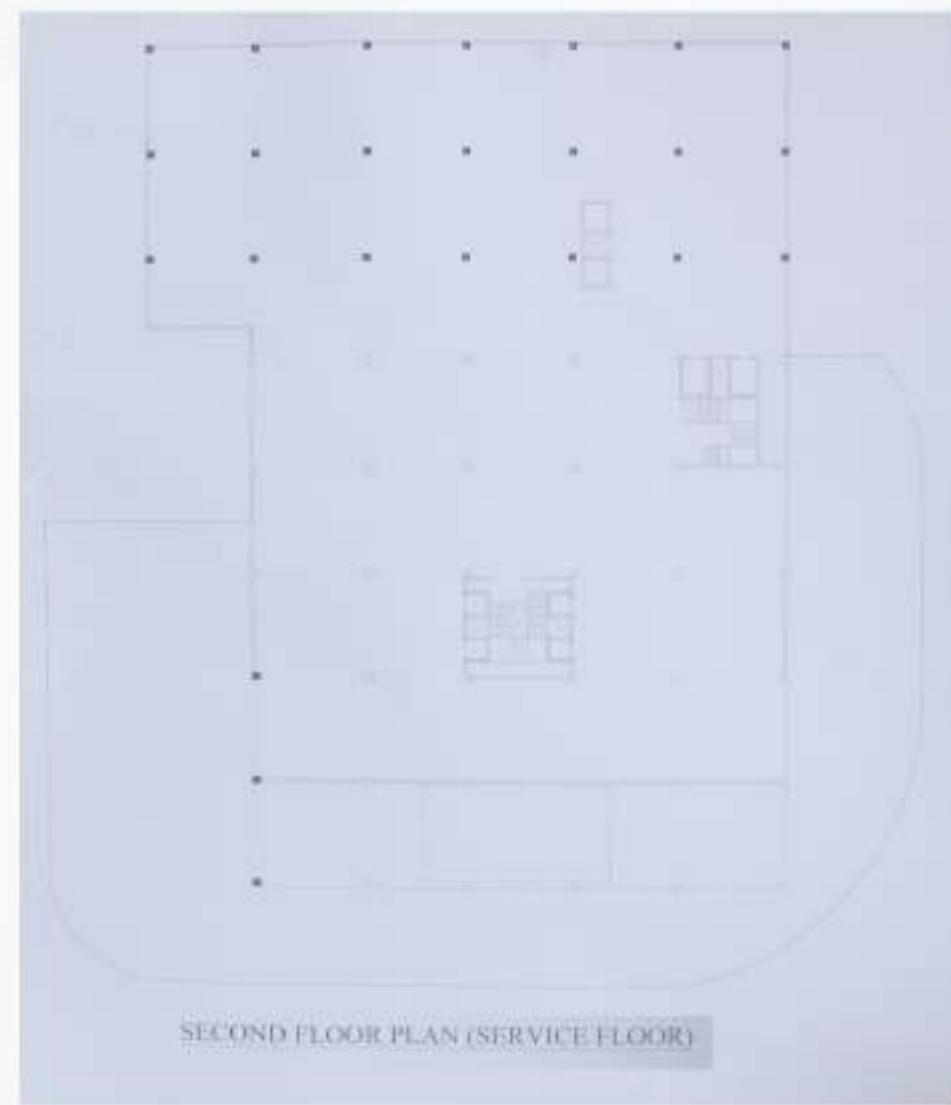
RECREATIONAL CENTERS IN THE SURROUNDING, SIND CLUB, KARACHI GYMKHANA, FRERE HALL WILL ALSO BE PROVIDING A SUPPORT HEALTHY ACTIVITIES FOR THE GUESTS OF THE HOTEL. IF TOURISTS GET A CHANCE TO STEP INTO THE SIND CLUB AND QUAIDE AZAM MEUSIUM. HE CAN ENJOY THE SERENITY LEVEL AND THE MOMENT OF GETTING CLOSE TO THE NATURE BECAUSE THERE IS A LOT OF VEGETATION.





THE INGRESS AND EGRESS ROUTE OF THE HOTEL.  
I HAVE KEPT IT ACCORDINGLY, LIKE A FLOW FROM  
CLUB ROAD WHICH WILL COME TO ABDULLAH  
HARRON ROAD AND THEN THERE WILL BE MEREW-  
THER ROAD .BOTH GUST ENTRANCE AND SERVICE  
ENTRANCE IS FROM THE CLUB ROAD AND THE AND  
BOTH EXITS IS ON MEREWETHER ROAD.





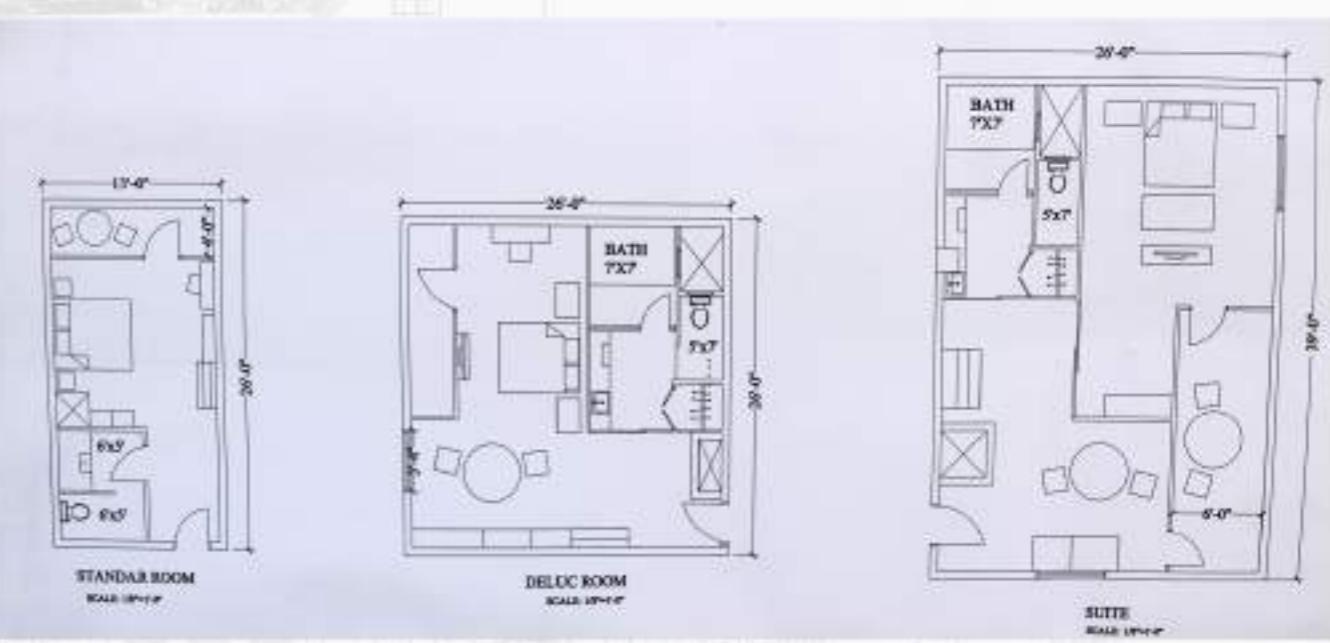


FOURTH FLOOR PLAN



SECTION AA'

SMOG-EATING CONCRETE (OR PHOTOCATALYTIC CONCRETE) WAS DEVELOPED BACK IN 2007 BY THE ITALIAN CEMENT COMPANY ITALCEMENTI. IT WAS MEANT TO ACT AS A SELF-CLEANING CEMENT THAT WOULD BE AN INGREDIENT IN CONCRETE, BUT WAS LATER PROVED TO BE CAPABLE OF GETTING RID OF POLLUTION IN THE SURROUNDING AIR, REDUCING THE LEVELS OF CERTAIN POLLUTANTS BY 20 – 70%, DEPENDING ON LOCAL CONDITIONS AND THE AMOUNT OF EXPOSED SURFACE AREA.



YOU CAN SEE IN THE ELEVATION  
THROUGH ABDULLAH HAROON ROAD. I  
HAVE CREATED PLANTERS ON EVERY  
SINGLE FLOORS' CORRIDOR. I HAD  
STUDIED THE SHADOWS AND THE  
ORIENTATION OF THE SUN.



ELEVATION THROUGH ABDULLAH HAROON ROAD

FOURTH YEAR FIRST SEMESTER

HOTEL IMPROVEMENT

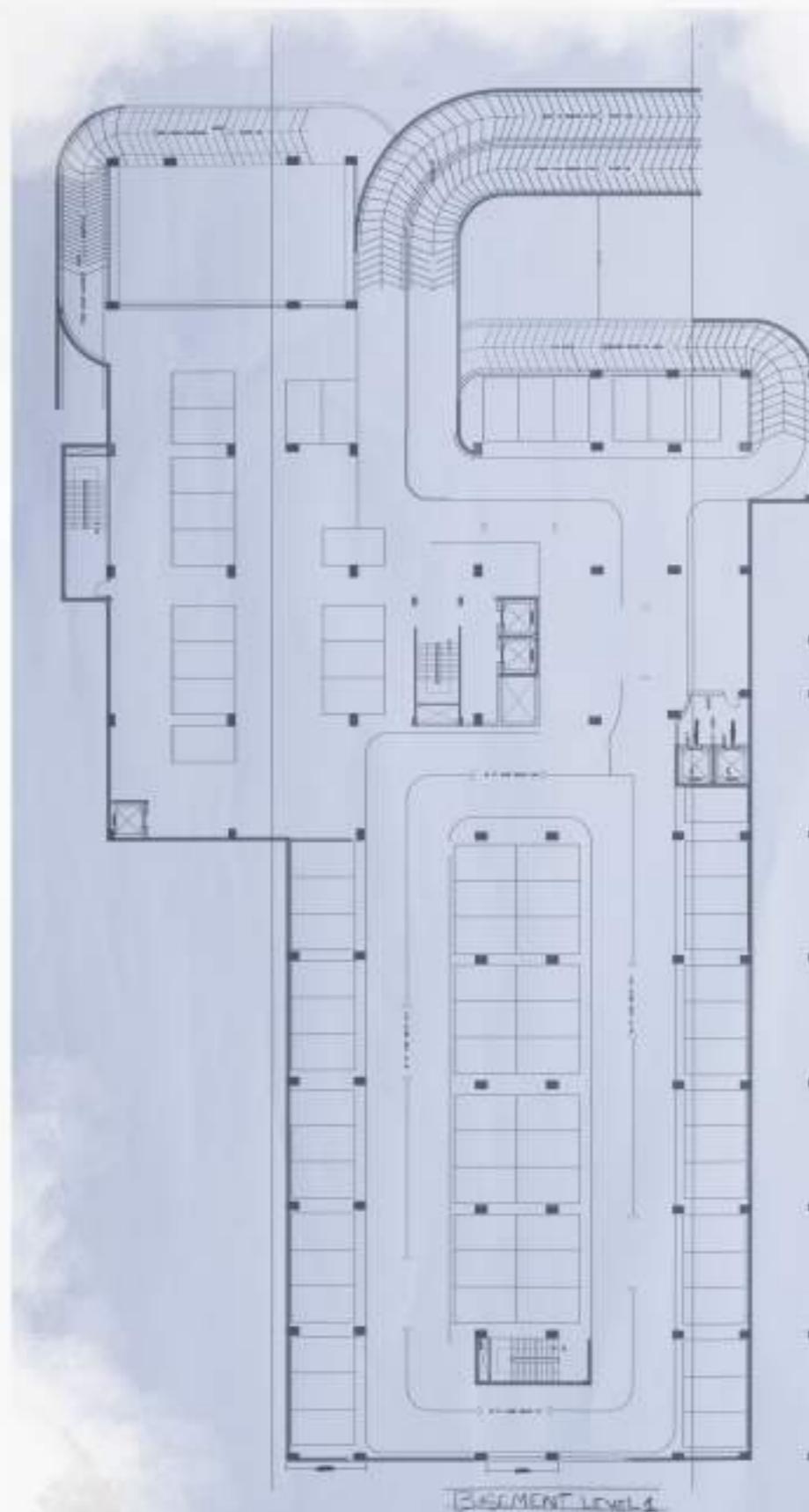
# HOTEL IMPROVEMENT



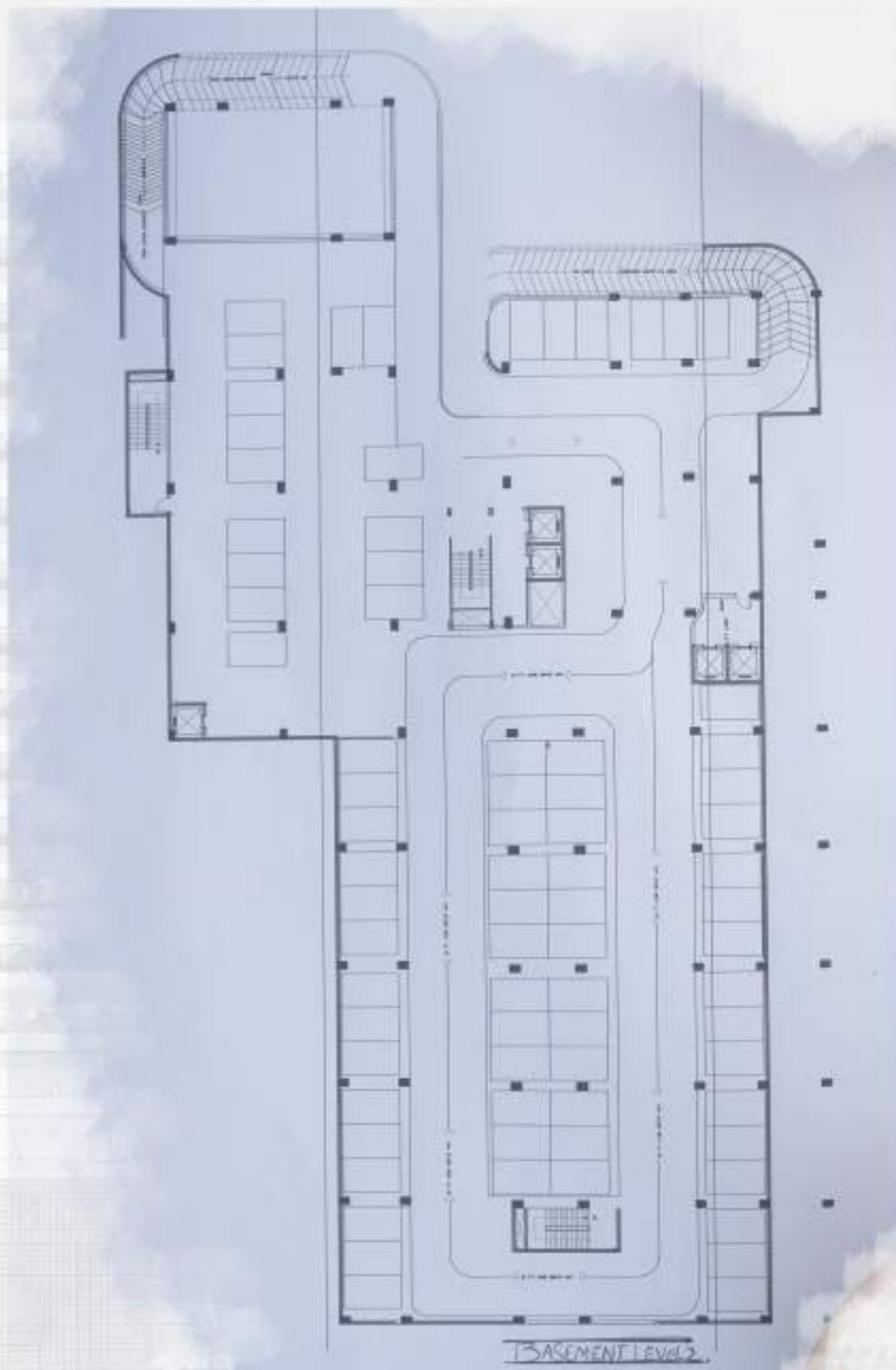
## GROUND FLOOR PLAN



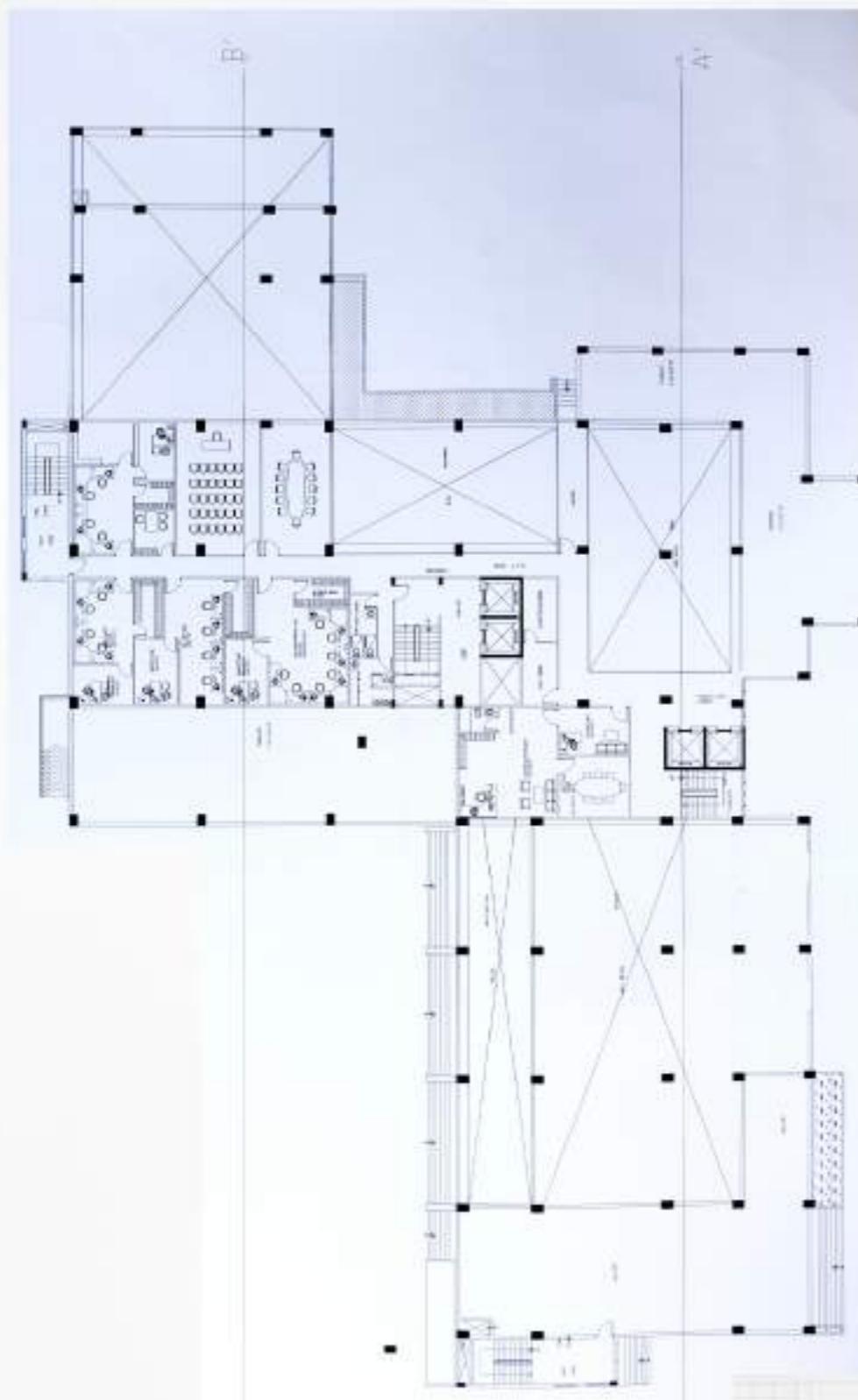
## MASTER PLAN



BASEMENT LEVEL 1



BASEMENT LEVEL 2



FIRST FLOOR PLAN  
SCALE 1/4"=10'

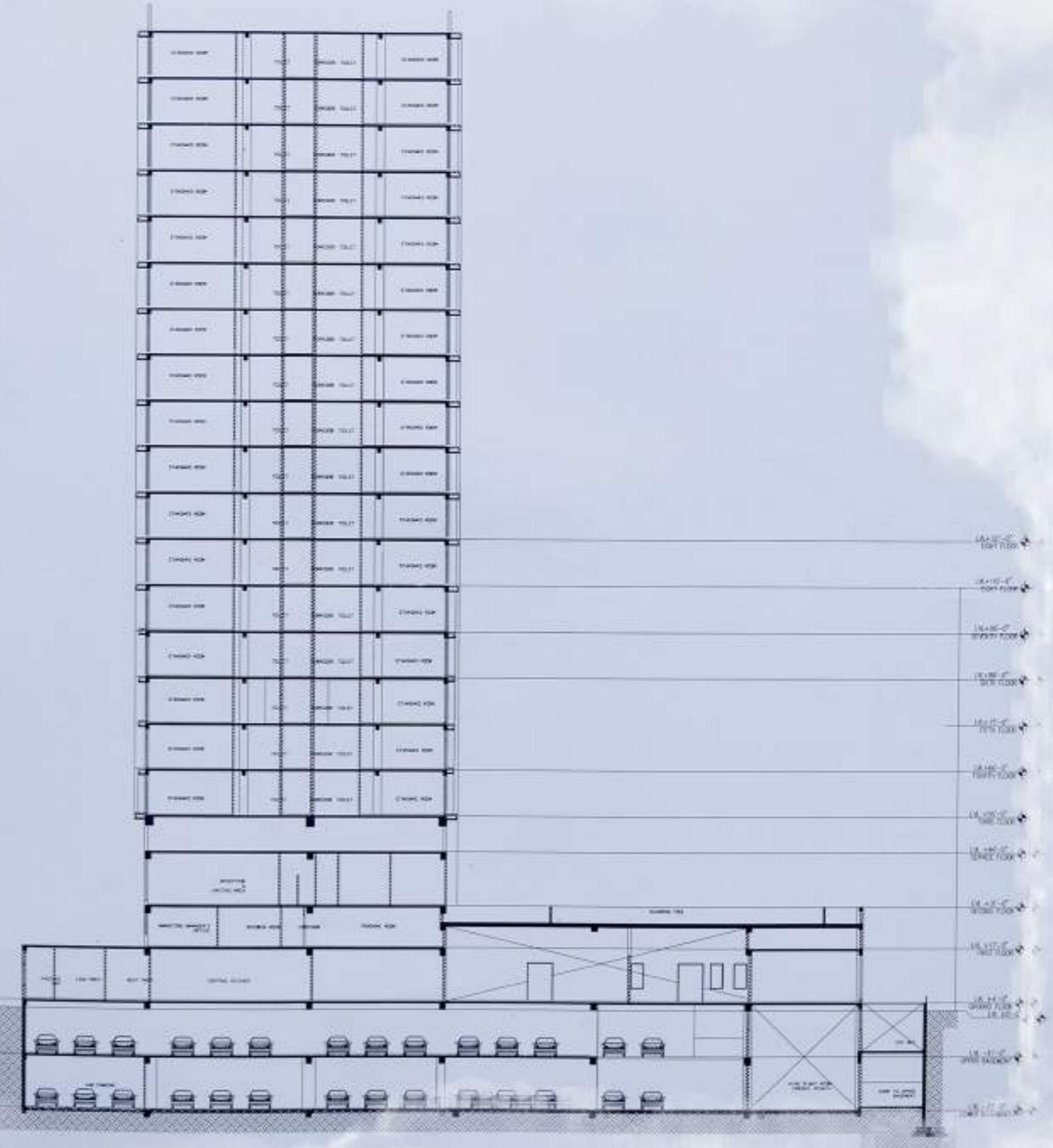


SECOND FLOOR PLAN  
SCALE 1/4"=10'



SECTION AA'

SCALE 4/6" = 1'-0"



FOURTH YEAR FIRST SEMESTER

APARTMENTS

# PROJECT # 2

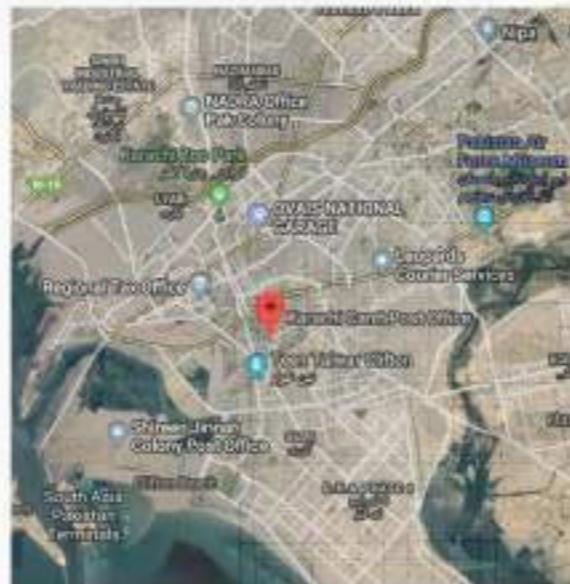
HOUSING DESIGN FOR  
MIDDLE INCOME GROUP OF  
PEOPLE

THIS PROJECT WAS  
CONSIST OF THREE  
STAGES

- SITE ANALYSIS
- DESIGN PROPOSALS

BRIEF :  
DESIGN OF A TWO HUNDRED  
UNITS OF THREE TYPE INCLU-  
DING TYPE A OF 2200 SQ FT ,  
TYPE B OF 1500 SQ FT AND TYPE  
C 1100 SQ FT. TO PROVIDE THER-  
MAL COMFORT TO THE RESIDENTS  
IS TAKING INTO THE CONSIDERA-  
TION ALL THE SURFACE ACCORD-  
ING TO THE HOUSING NEEDS  
SHOULD BE ADRESSED .

## LOCATION IN KARACHI

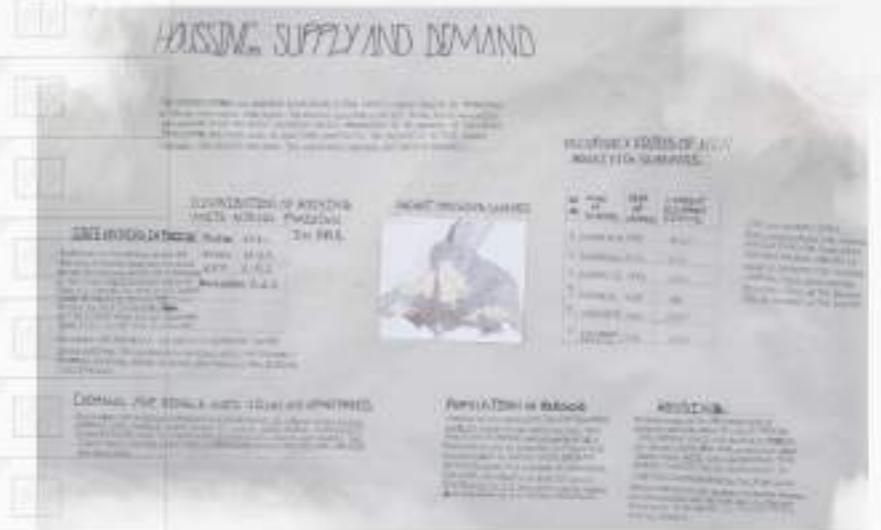


## SITE INTRODUCTION

SITE IS LOCATED IN FRONT OF THE KARACHI  
CANTONMENT RAILWAY STATION

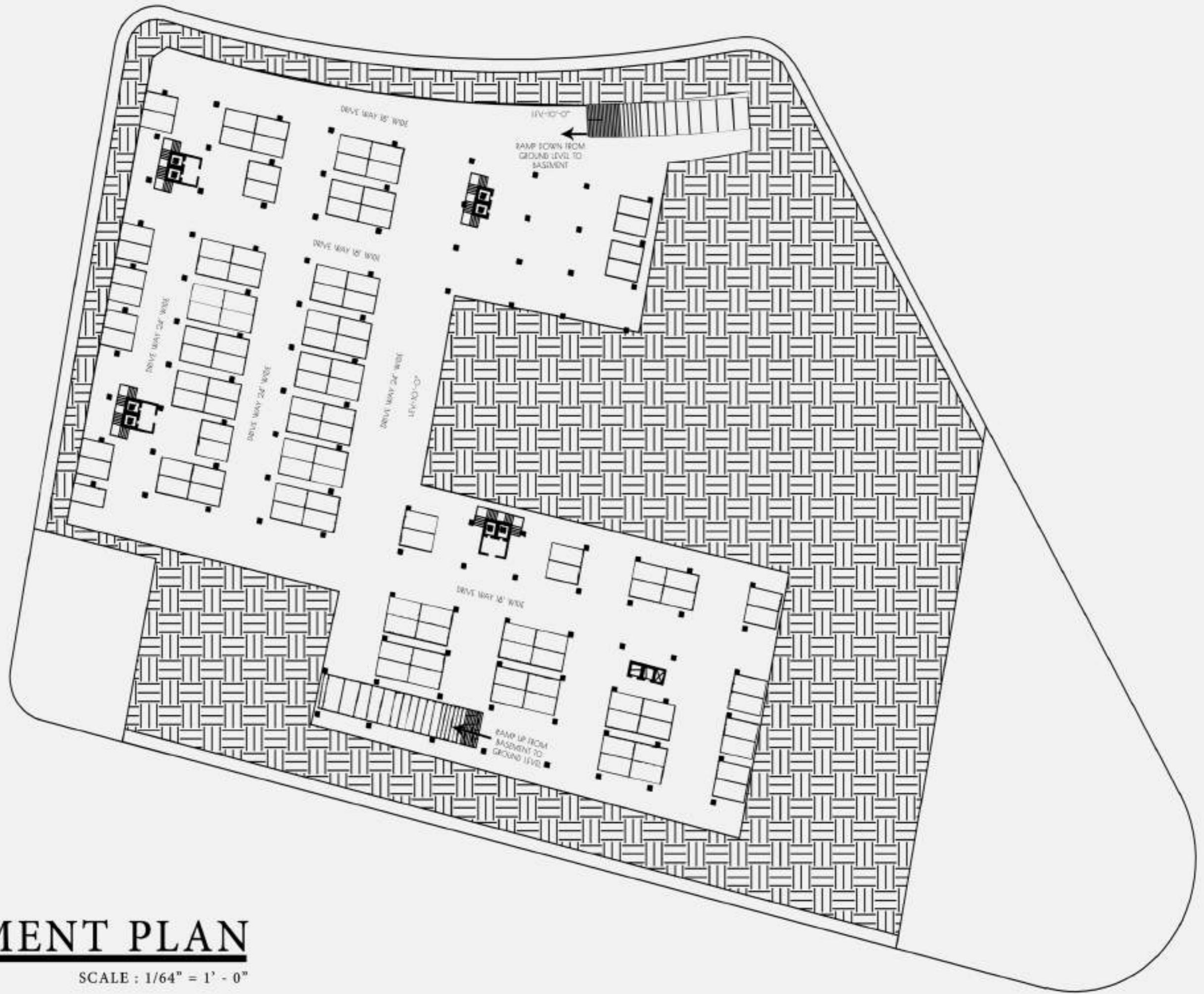
THE SITE IS CURRENTLY BEING  
USED FOR THE BUS STATION TO  
THE INTER COUNTRY TRAVEL  
THE SITE IS SURROUNDED BY  
A NUMBER OF TWO AND THREE  
STARS HOTEL PROVIDING  
CHEAP ACCOMMODATION TO THE  
PASSENGERS AND THE LOCAL  
PEOPLE . THE AREA IS MIXED  
USED OF COMMERCIAL AND RE-  
SIDENTIAL BUILDINGS

- SITE CONSIST OF TOTAL  
AREA OF 2.3 ACRE





**MASTER PLAN**

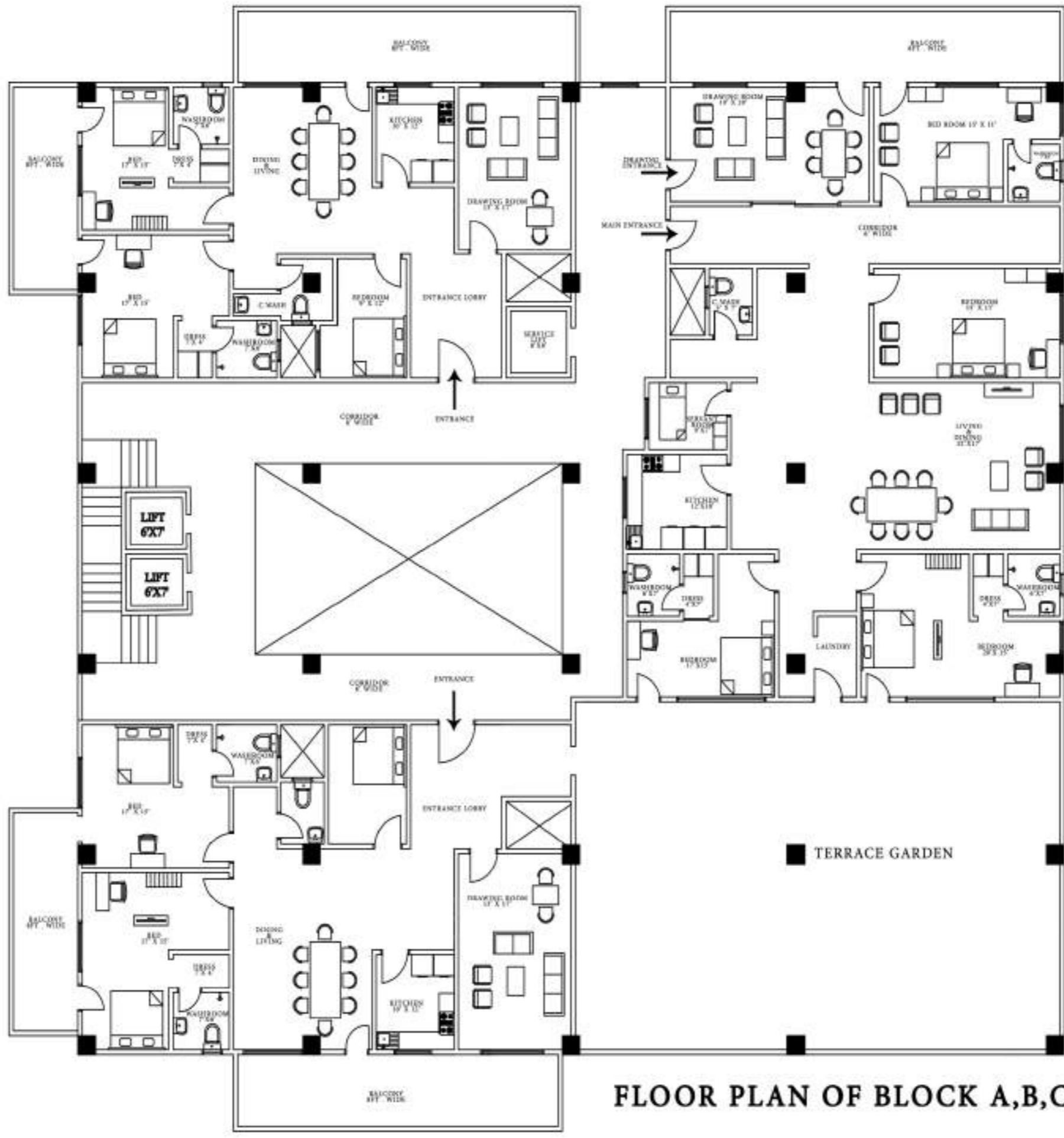


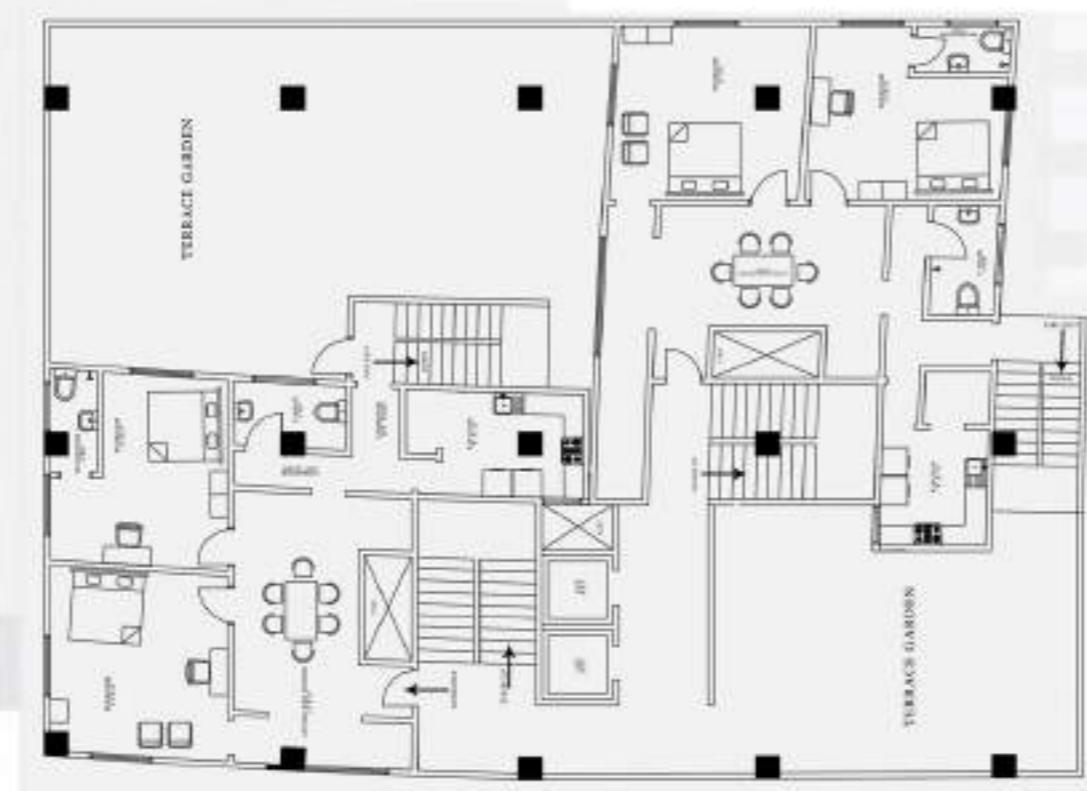
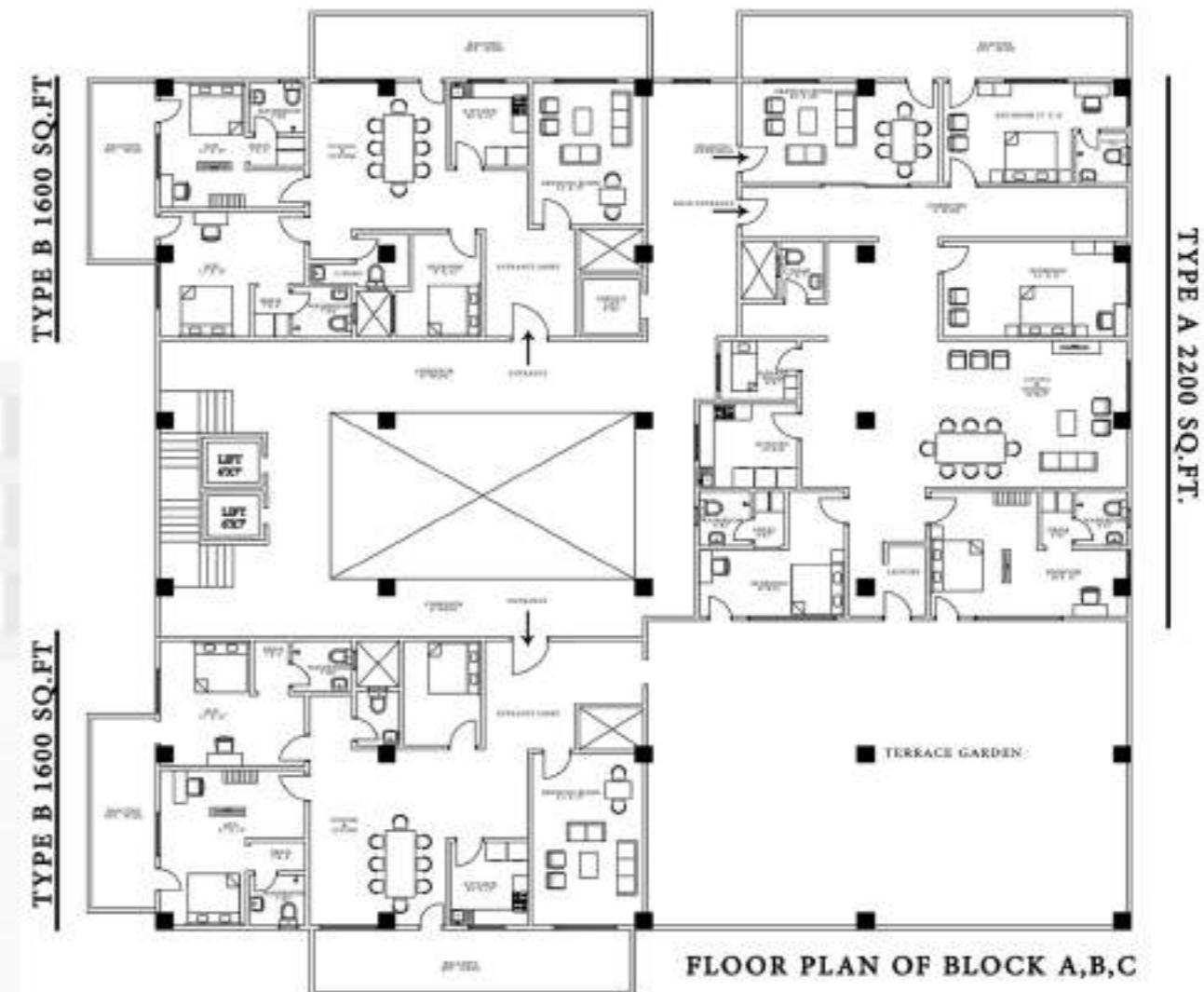
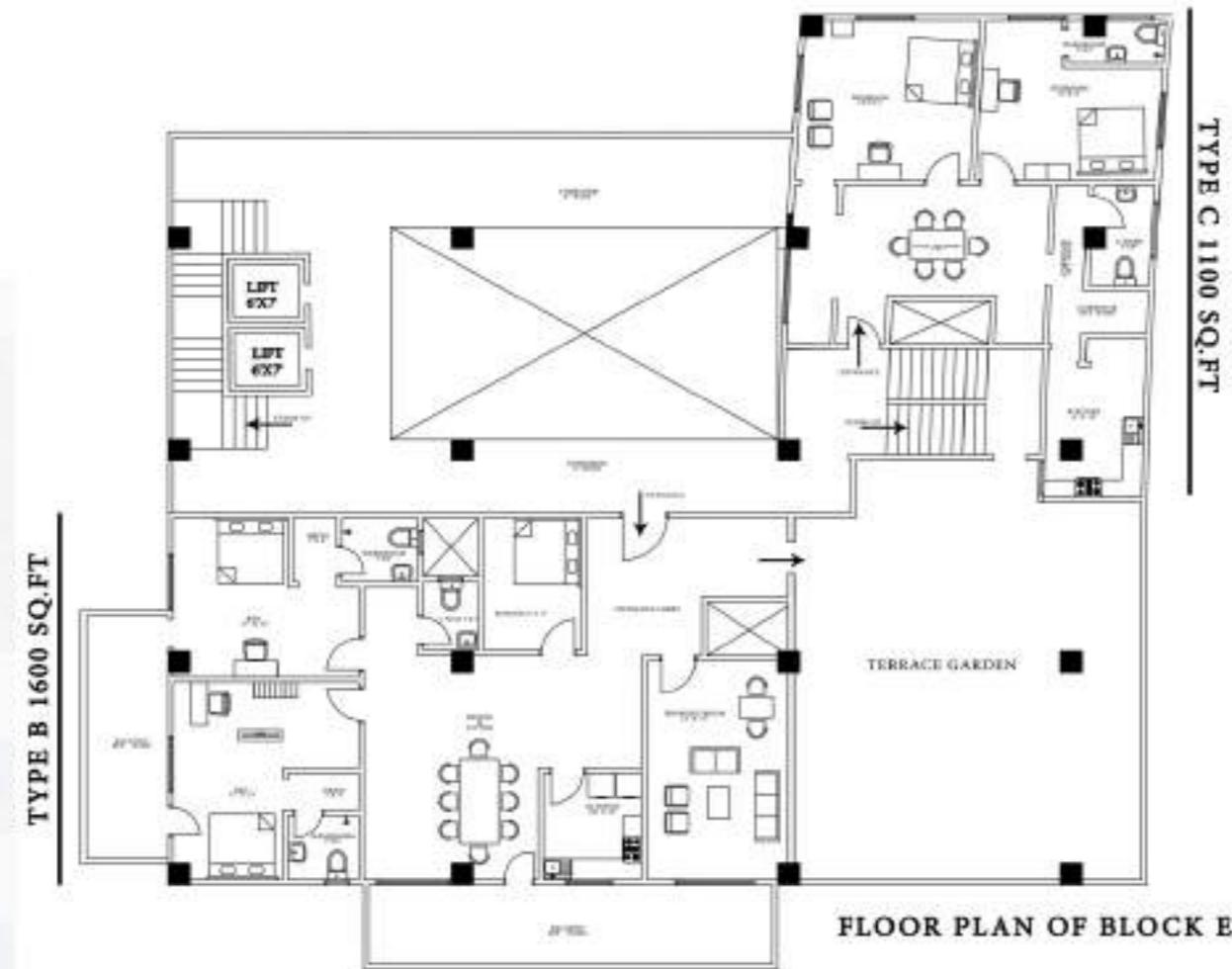
## BASEMENT PLAN

SCALE : 1/64" = 1' - 0"

**TYPE B 1600 SQ.FT**

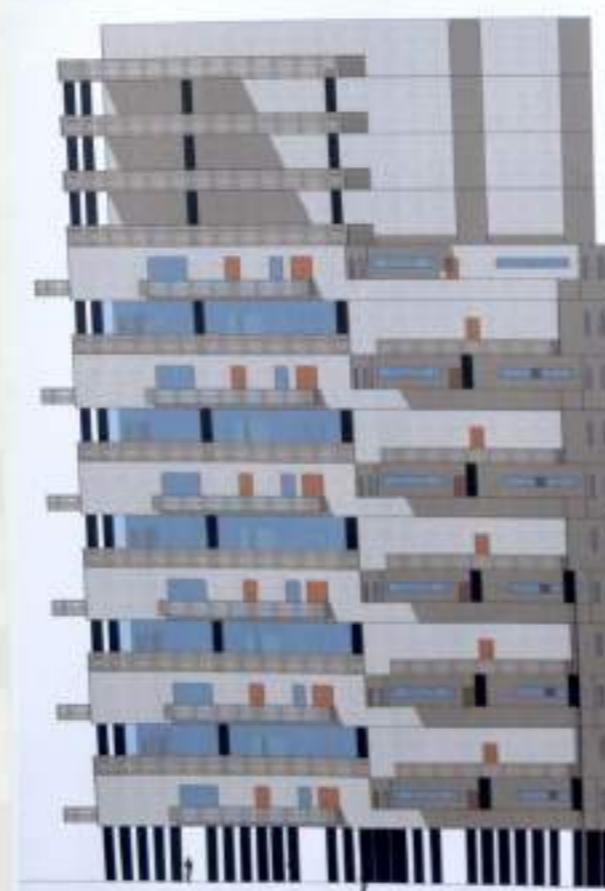
**TYPE B 1600 SQ.FT**



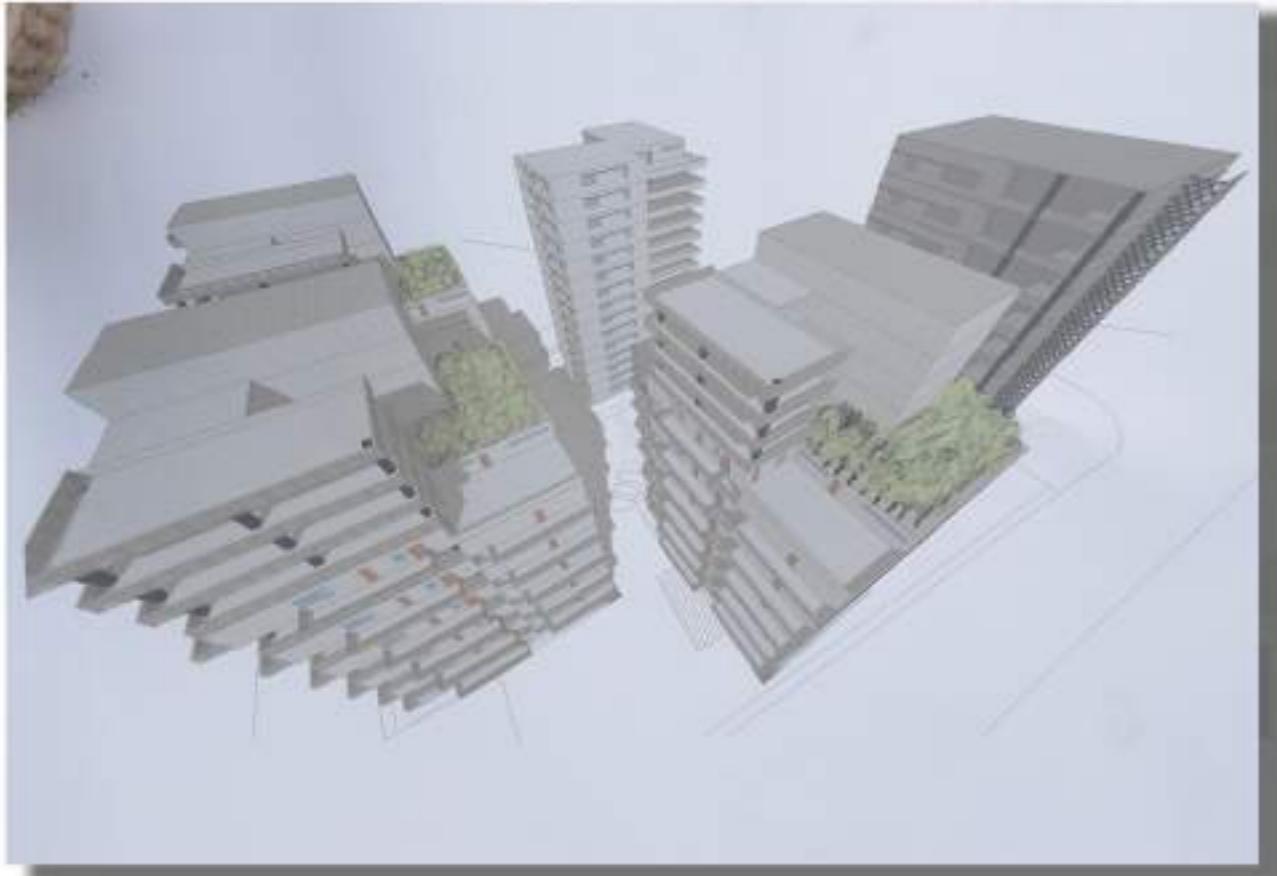




ELEVATION A



ELEVATION B

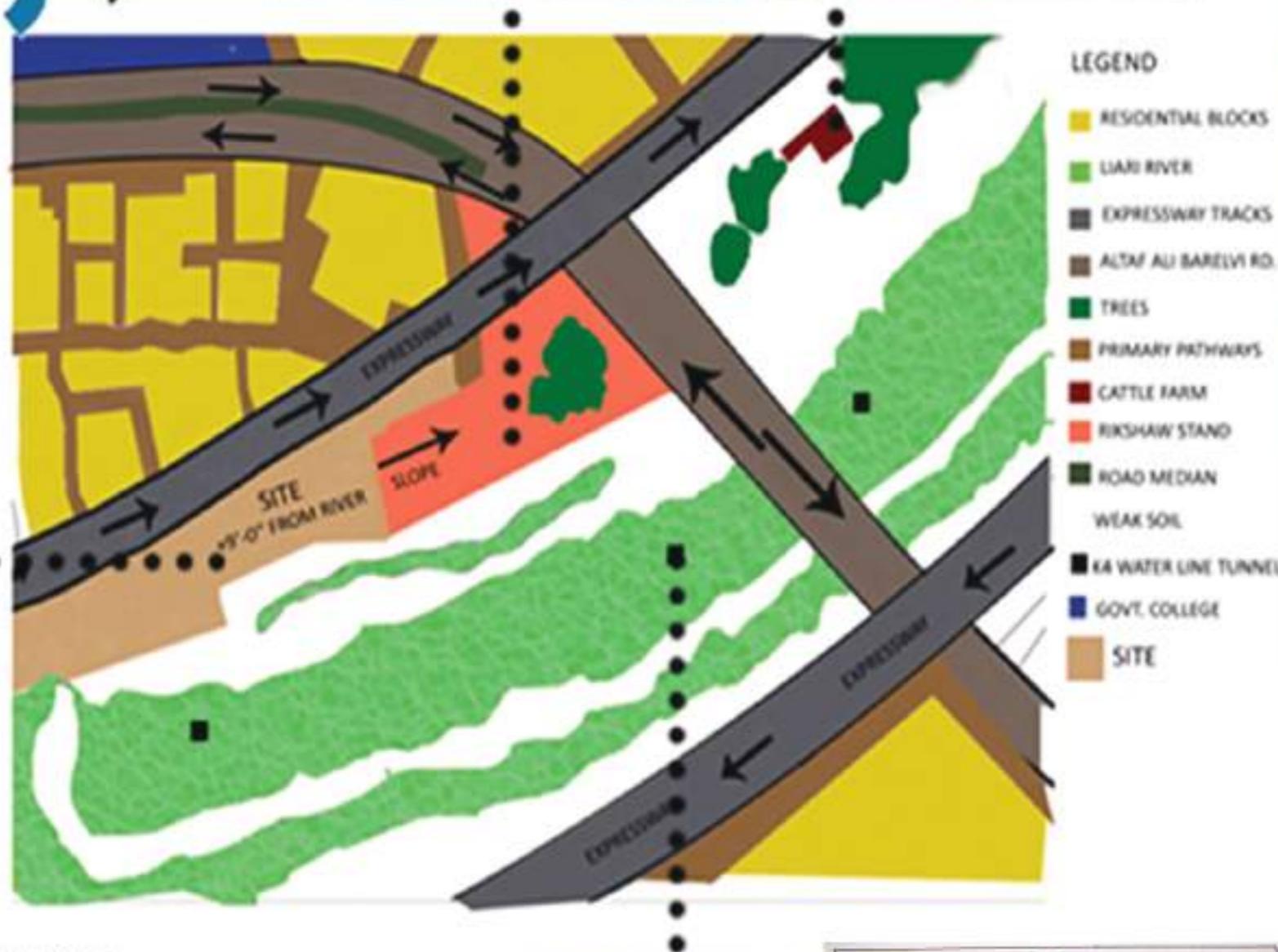


FOURTH YEAR SECOND SEMESTER

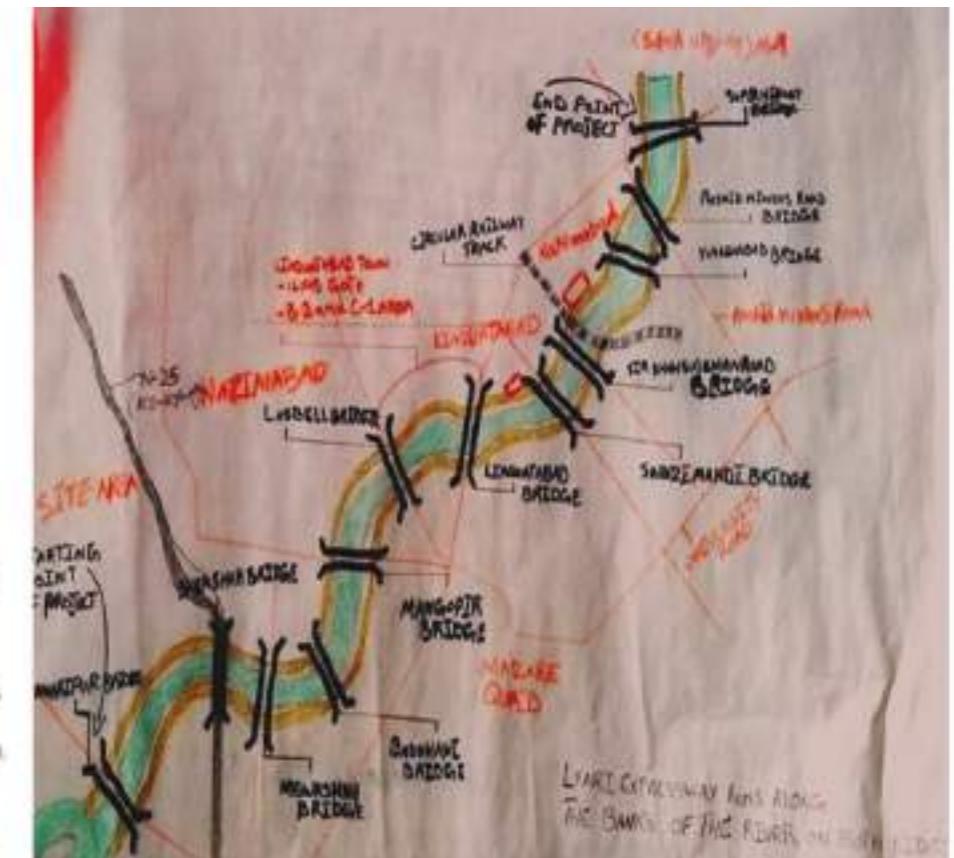
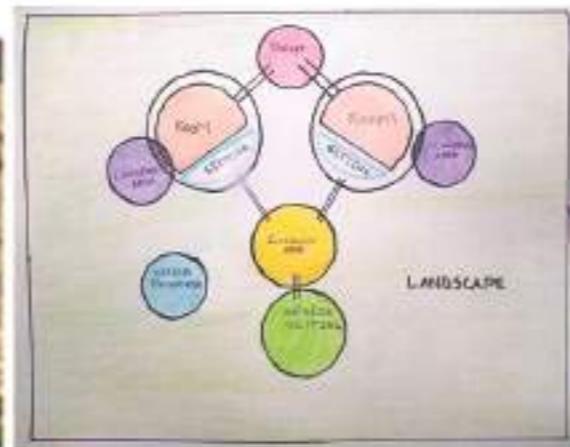
DESIGN OF WASTE

# SITE ANALYSIS

Liari Expressway Runs Along the Banks of the River both Sides.



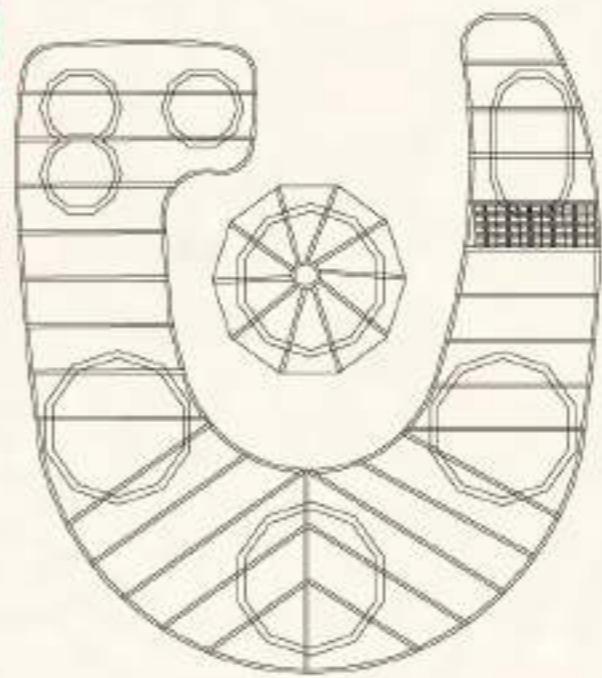
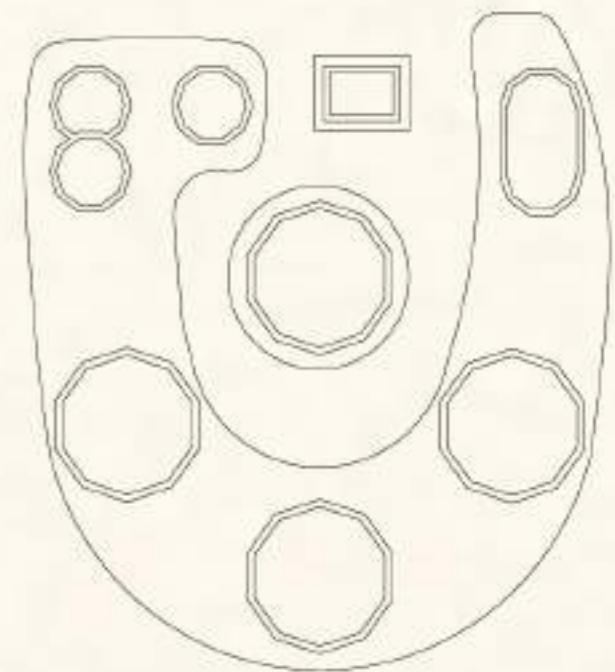
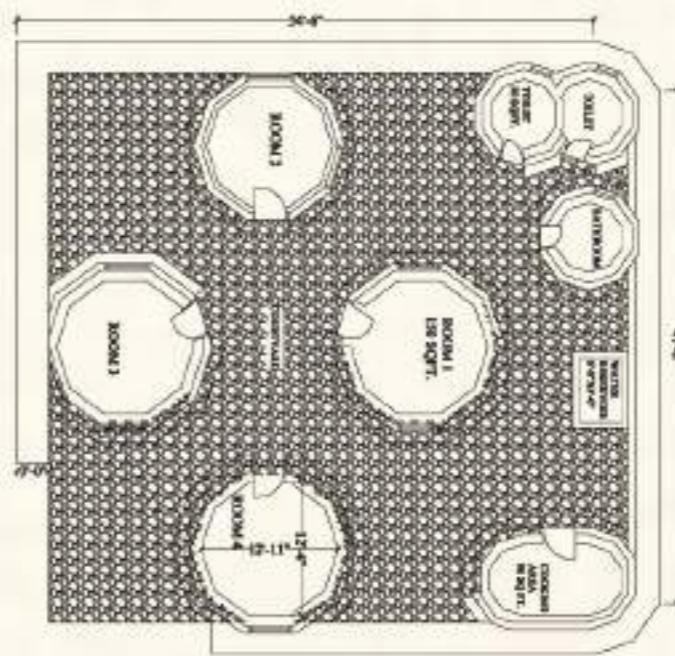
OTHER IMAGES



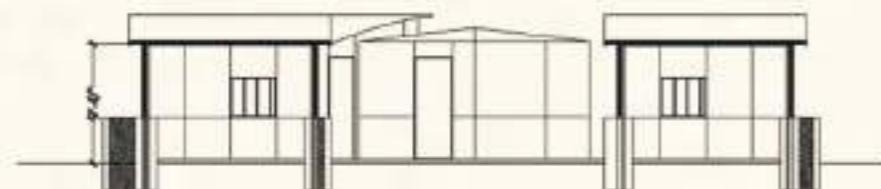
EXPRESSWAY MAP

FLOOD SITUATION

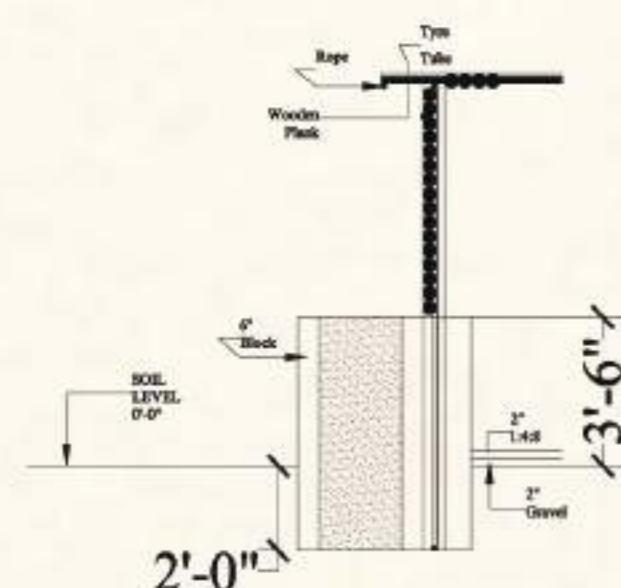




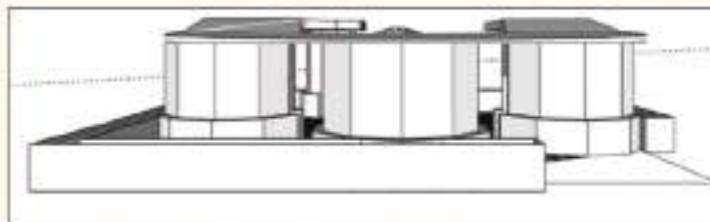
ROOF FRAME



**SECTION A**  
SCALE:  $1/8''=1'-0''$



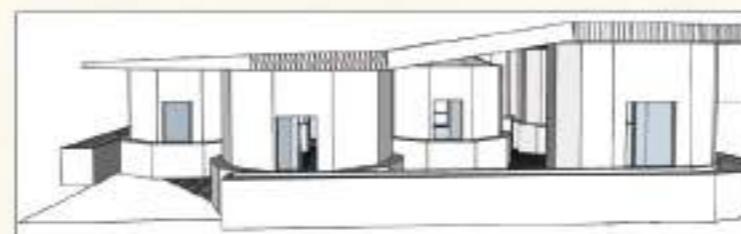
**DETAIL**  
SCALE:  $1/2''=1'-0''$



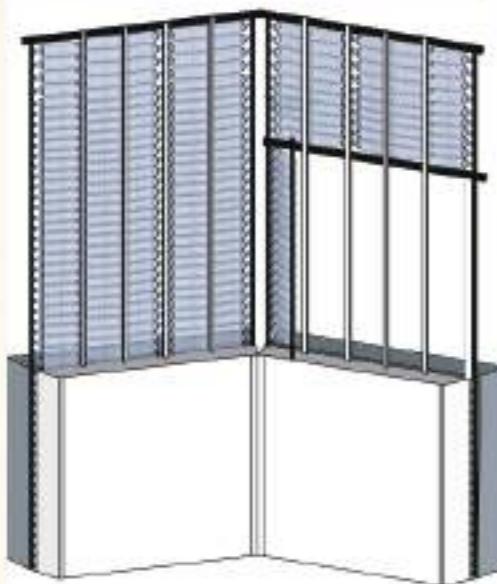
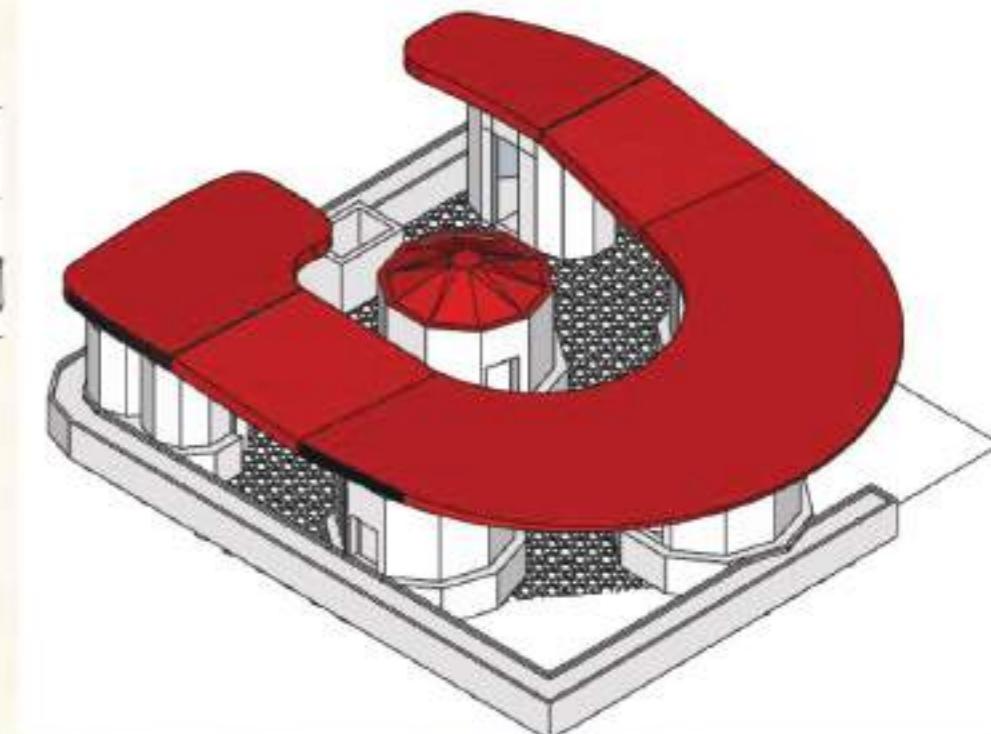
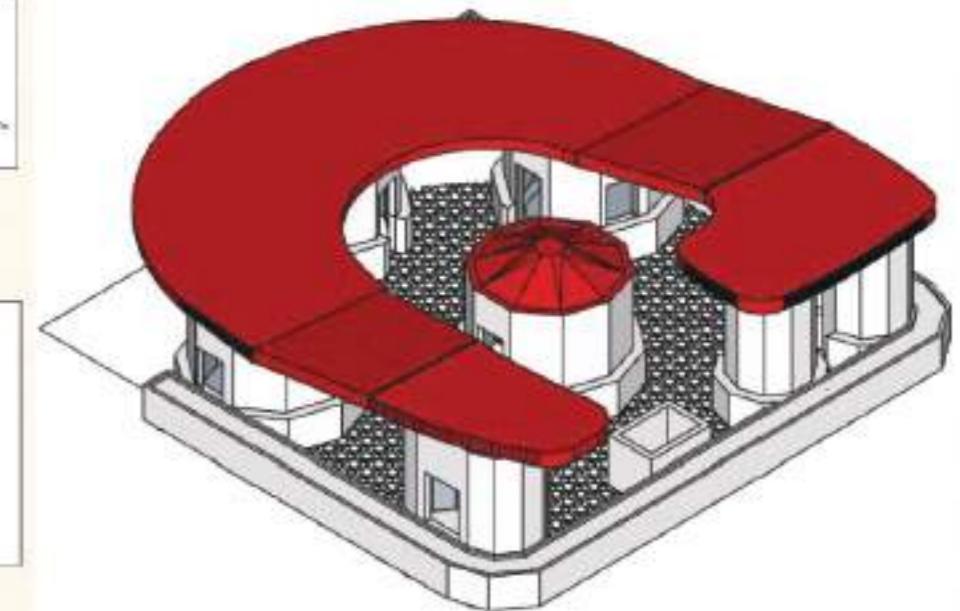
**FRONT ELEVATION**



**BACK SIDE ELEVATION**



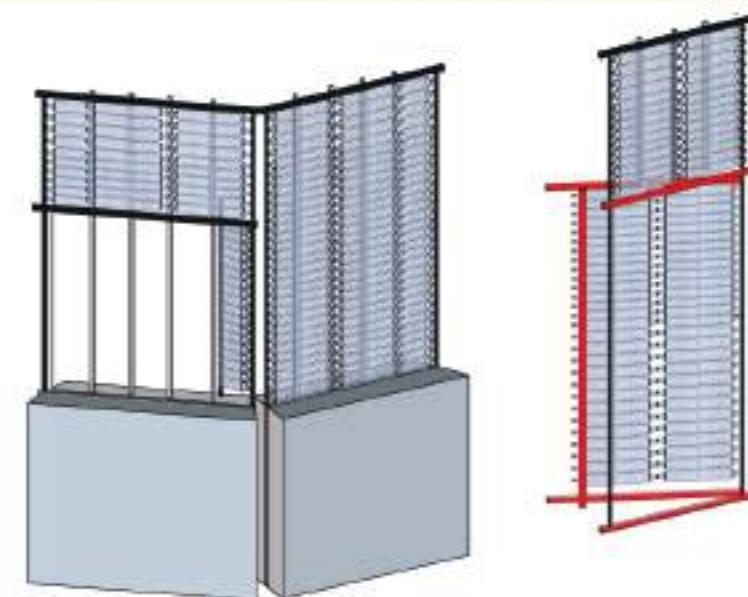
**RIGHT SIDE ELEVATION**



**INTERIOR SIDE**



**DOOR OPENING**

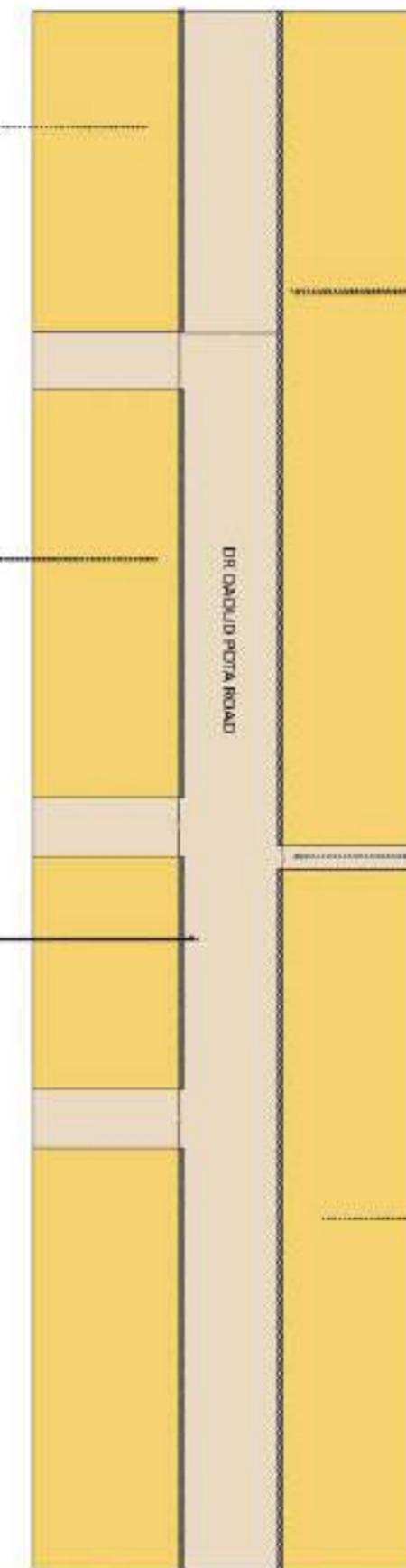
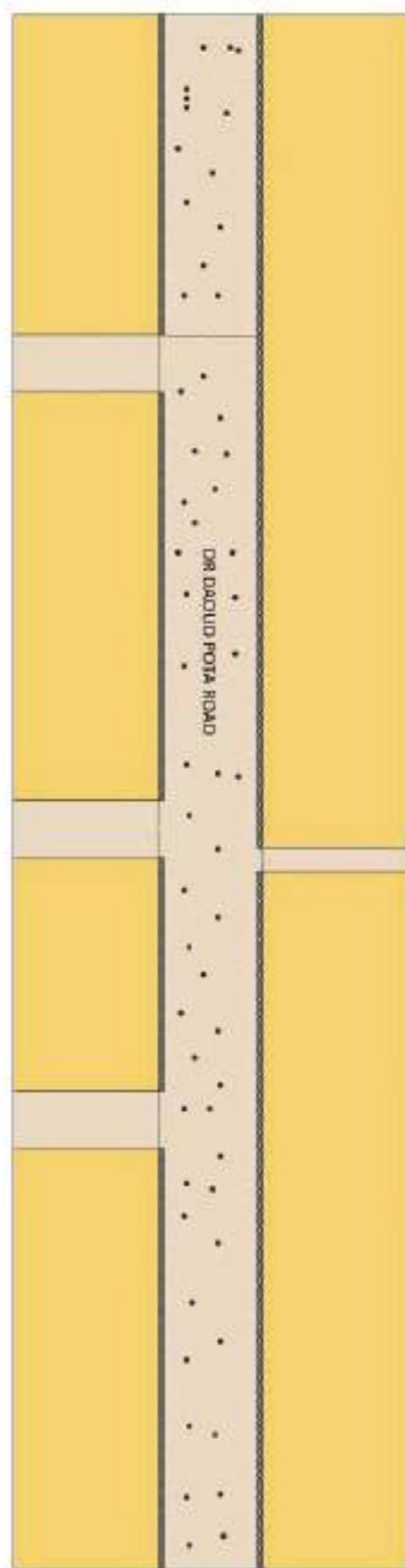
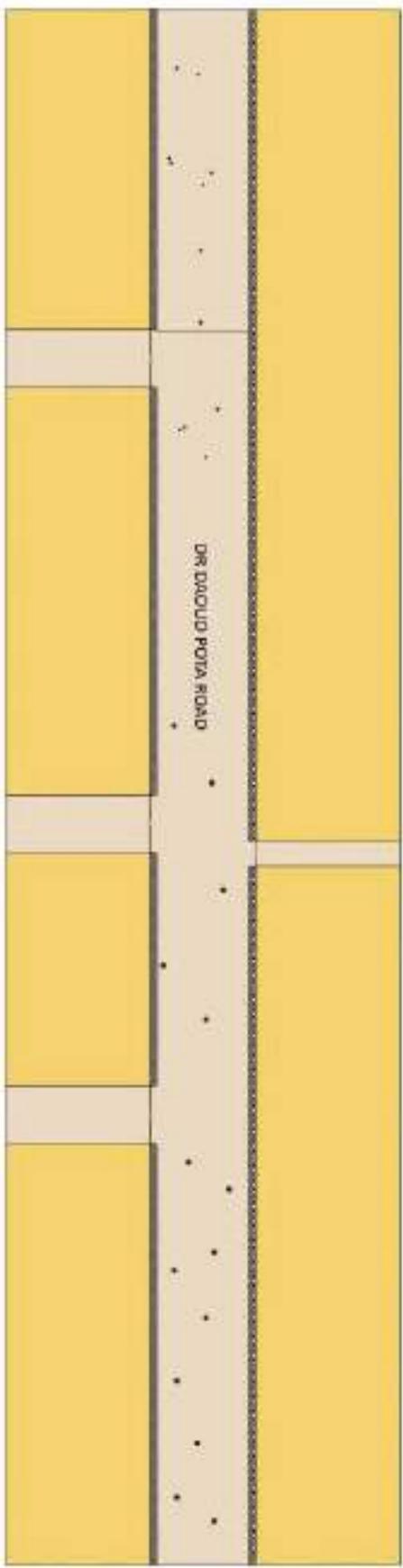


**EXTERIOR SIDE**

FOURTH YEAR SECOND SEMESTER

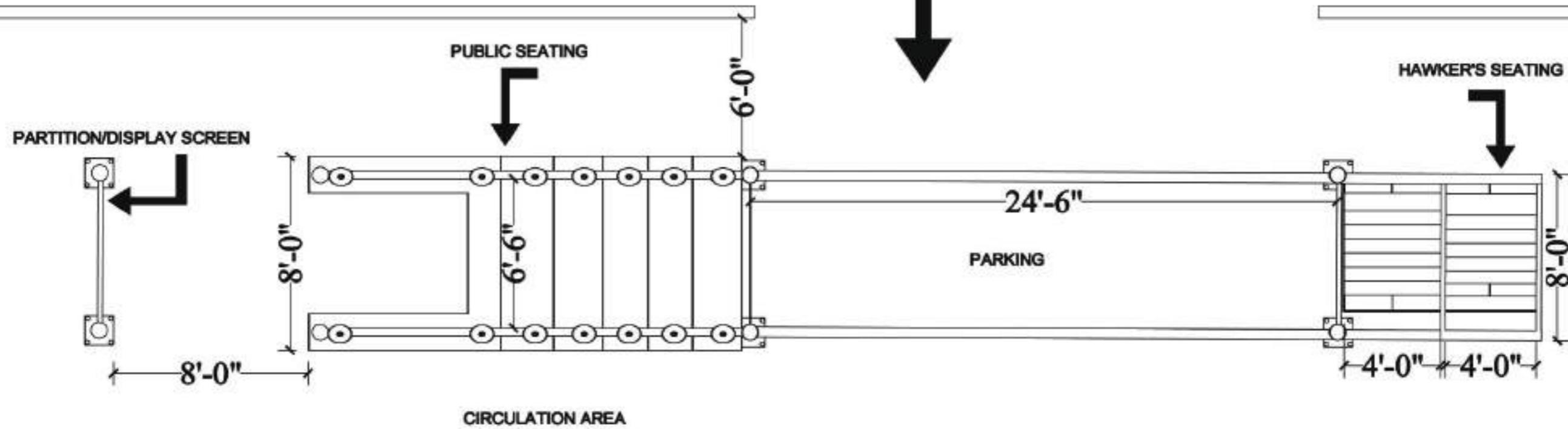
URBAN SEAT

## SITE OBSERVATIONS



30'-0" WIDE ROAD

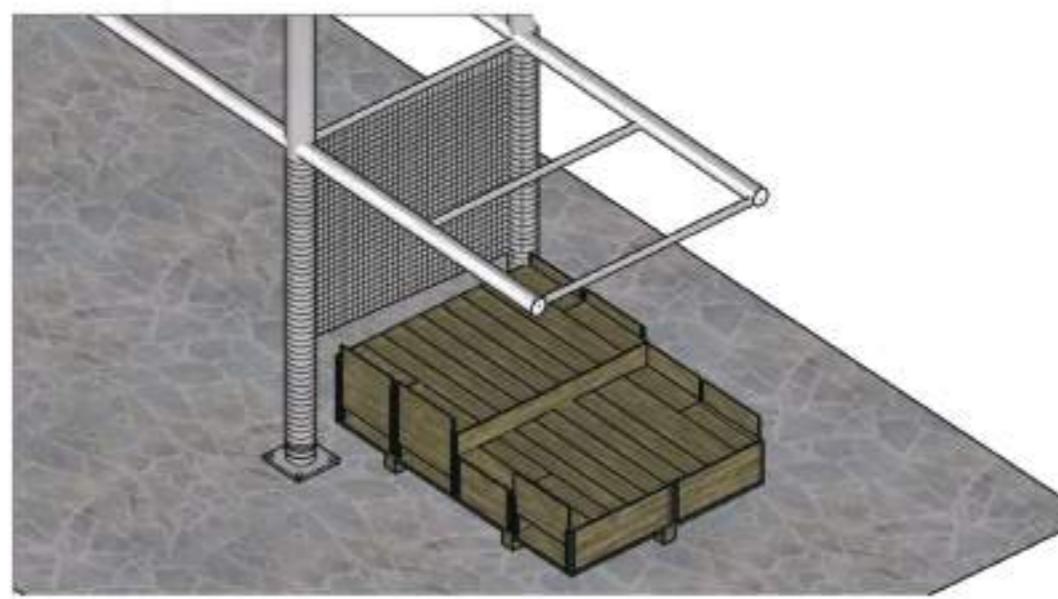
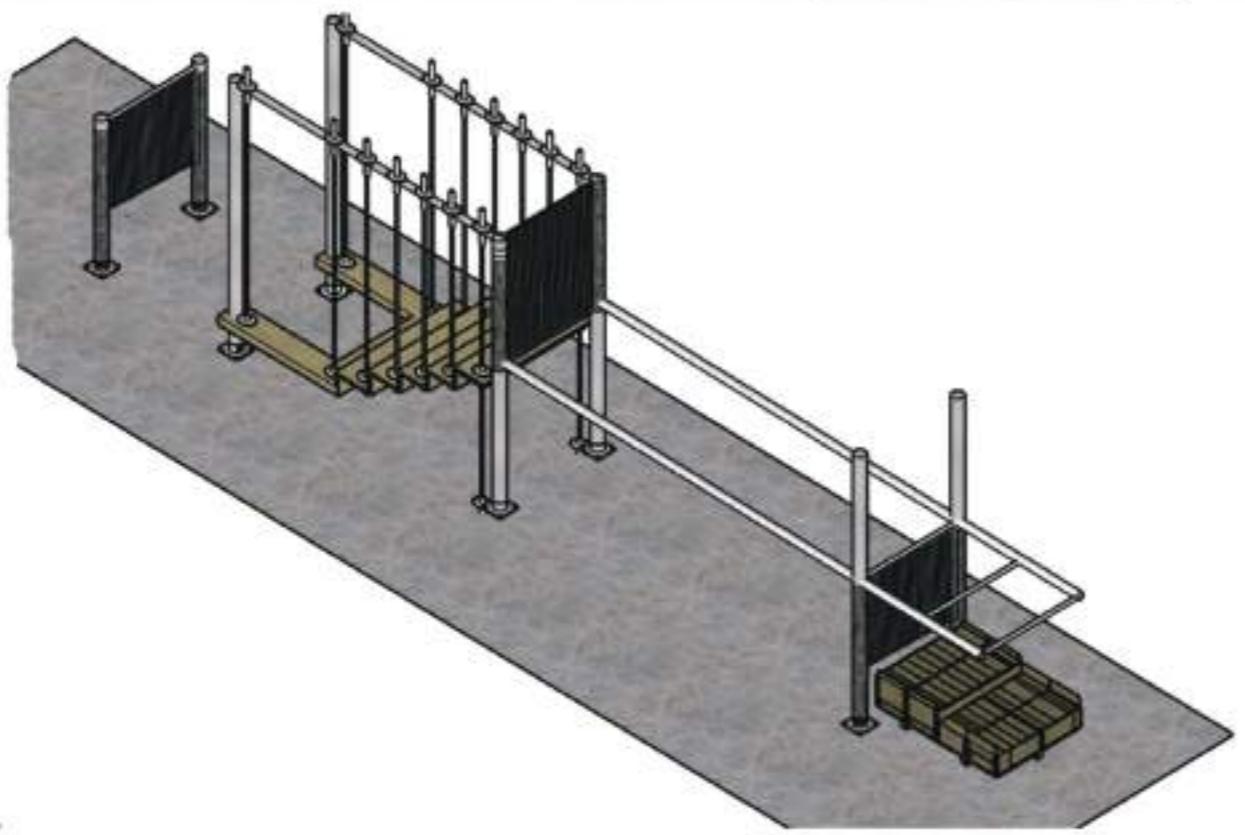
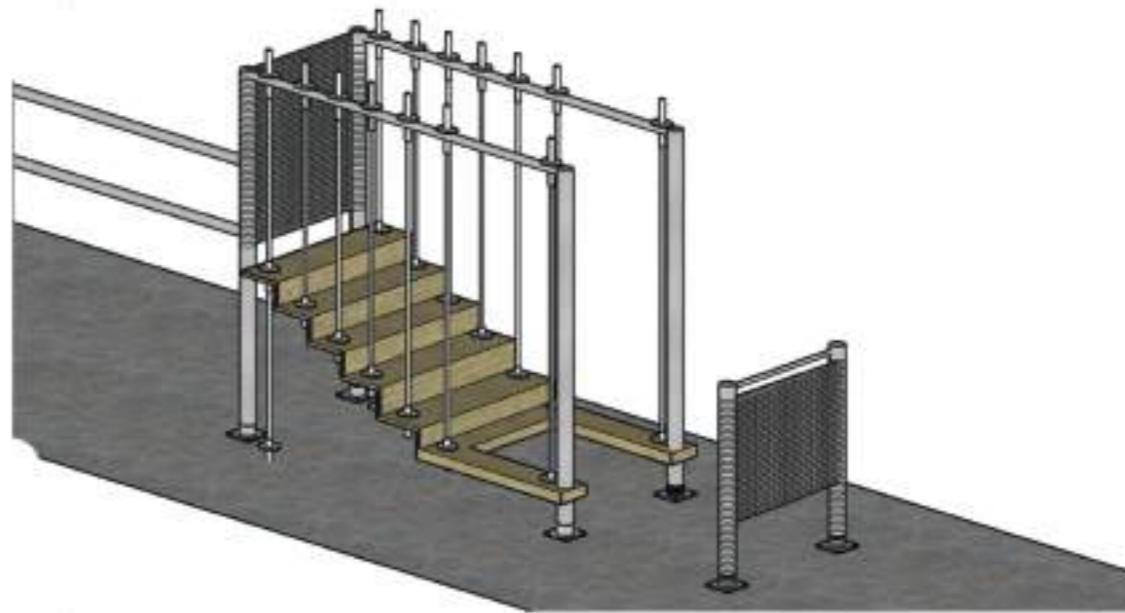
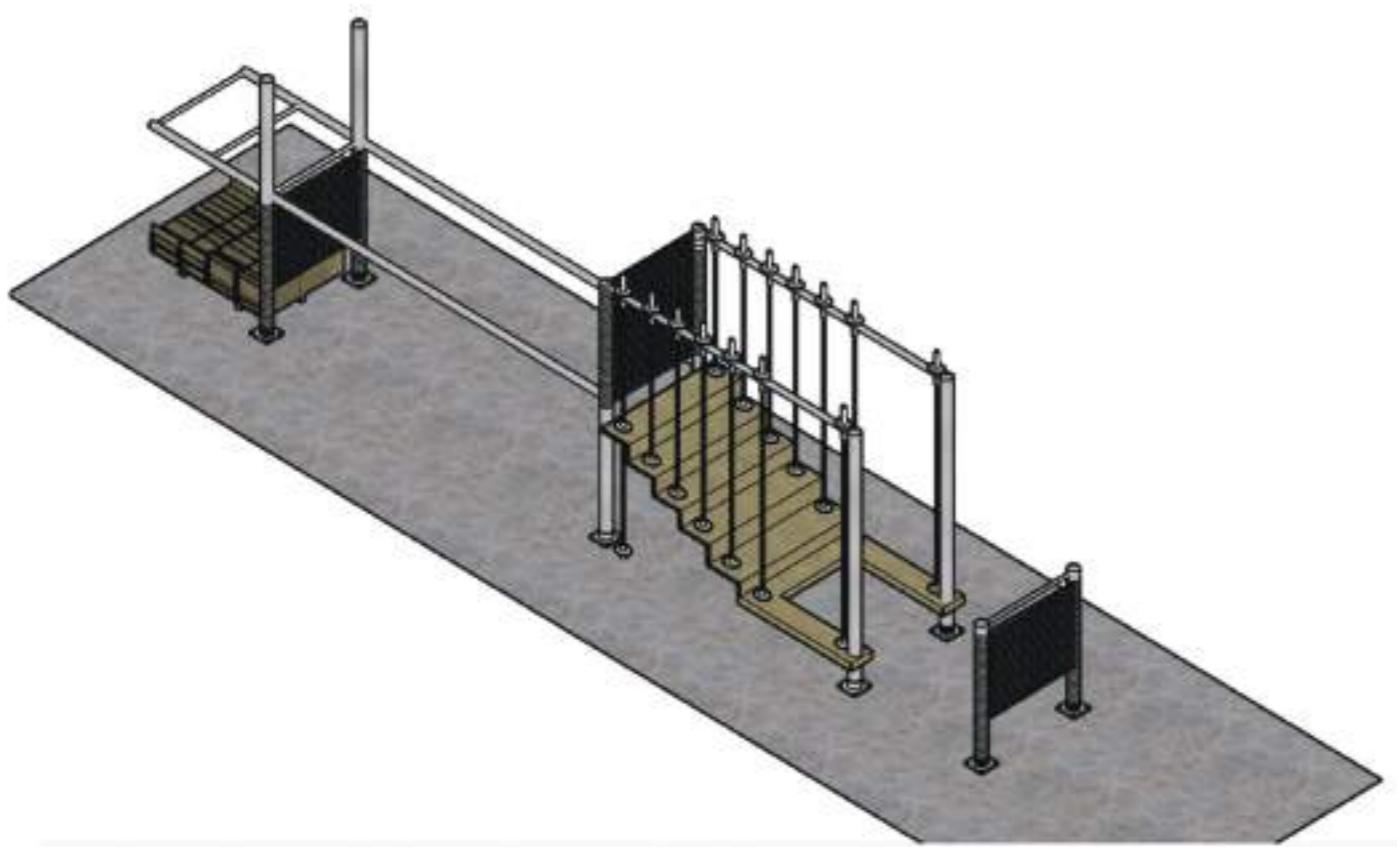
VEHICULAR PARKING

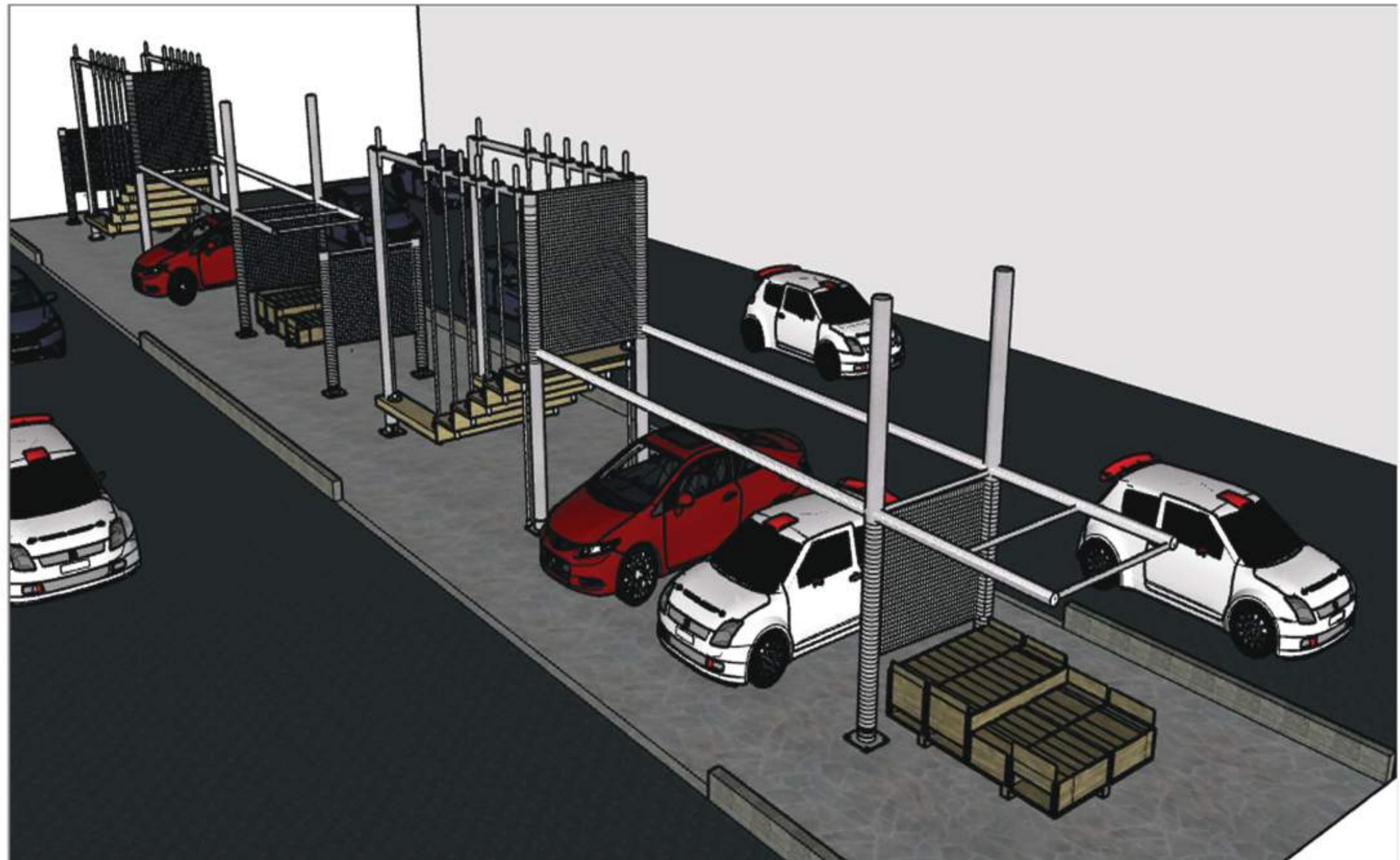


**PLAN**

SCALE: 1/4"=1'-0"

30'-0" WIDE ROAD

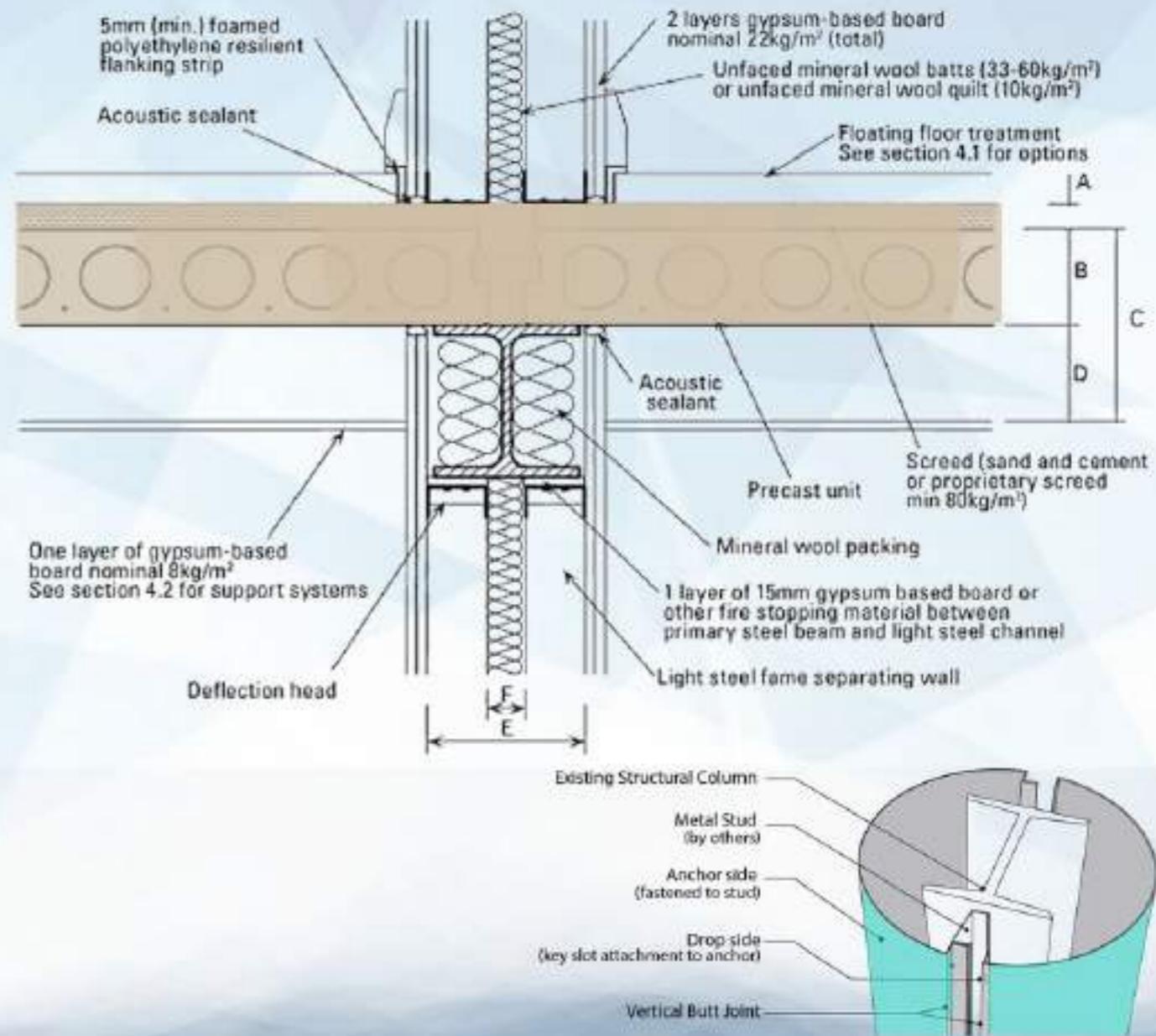
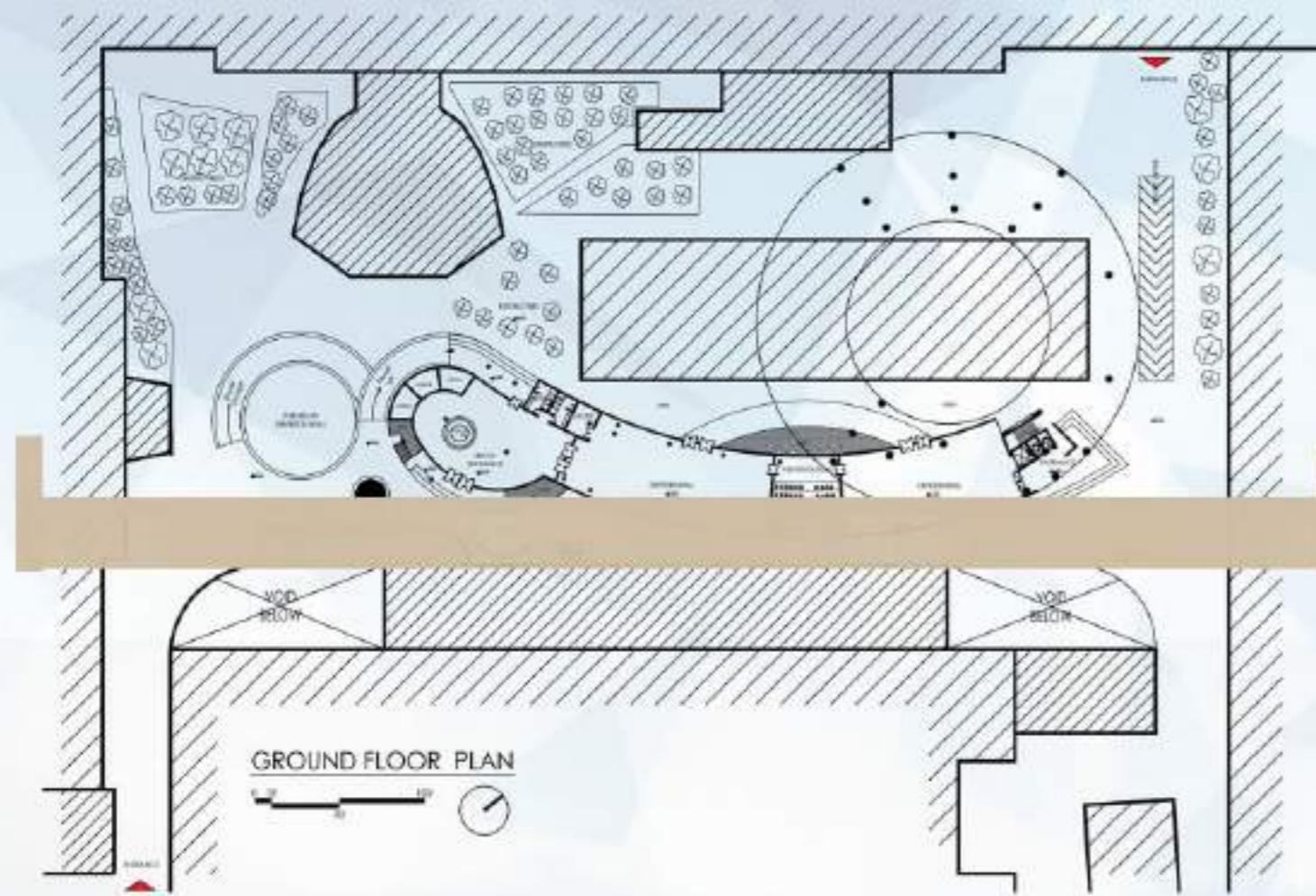




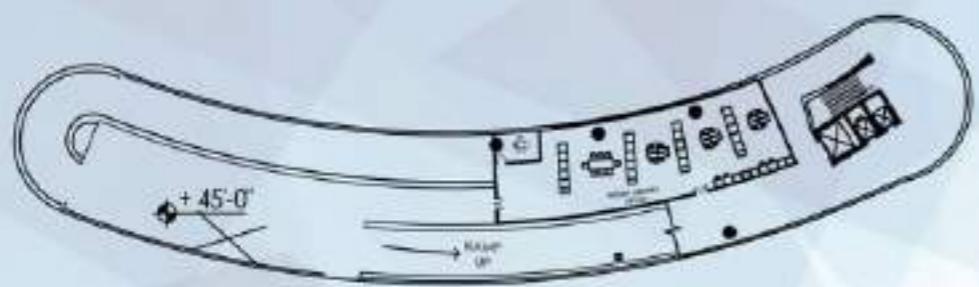
FIFTH YEAR FIRST SEMESTER

INSPIRELI COMPETITION ENTRY  
SCIENCE AND CULTURAL CENTRE  
FOR SLOVAK TECHNICAL UNIVERSITY  
IN BRATISLAVA CITY

## PROPOSED BUILDING SECTION WITH MATERIAL DETAILS



## SECOND FLOOR AND THIRD FLOOR PLANS

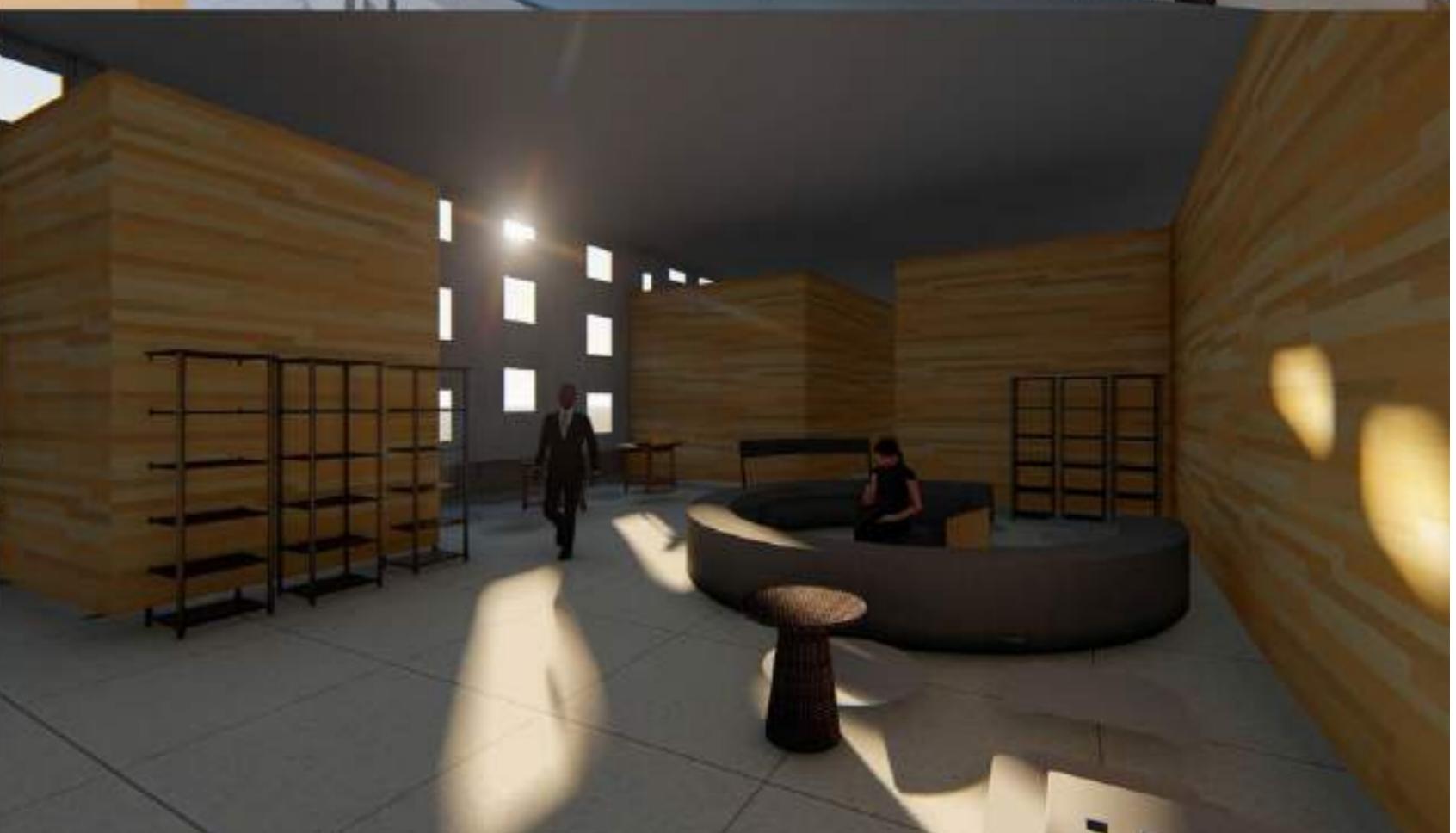
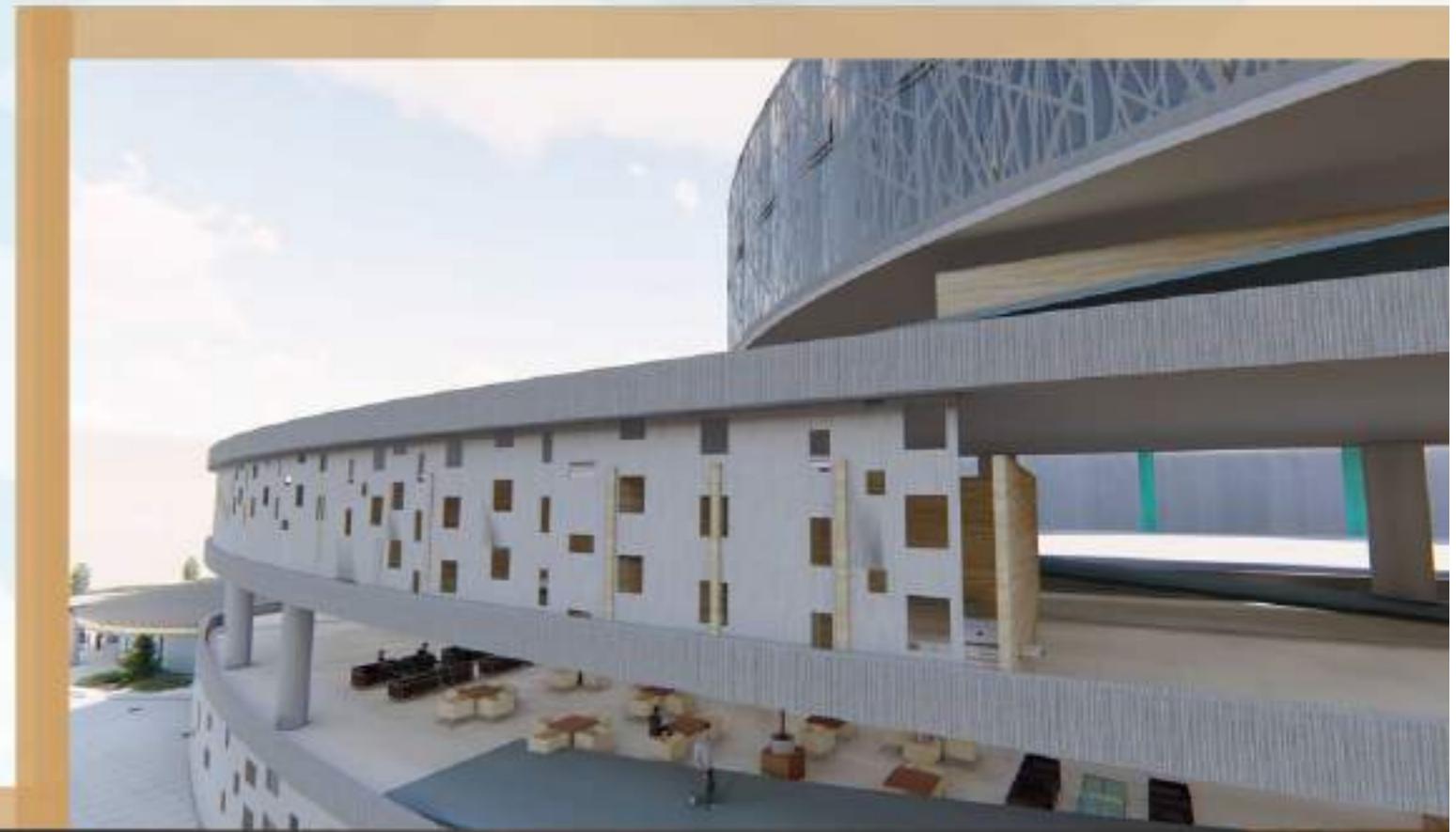


THIRD FLOOR PLAN



SECOND FLOOR PLAN

SECOND FLOOR IS FILLED WITH ADMINISTRATION CUBOID CONNECTED TO GROUND FLOOR VIA RAMP AND LIFT. THIRD FLOOR IS ALLOCATED FOR MEDIA LIBRARY.



# PROPOSED DESIGN NARRATIVE IN 3D VOLUMETRIC STUDIES



EXHIBITION AT -BASEMENT LEVEL



INFORMATION AT GROUND LEVEL



EXPERIMENTAL PLUS SEMINAR FACILITY  
AND ITS ROOF AS PRESENTATION  
CENTER



ADMINISTRATION



MEDIA LIBRARY



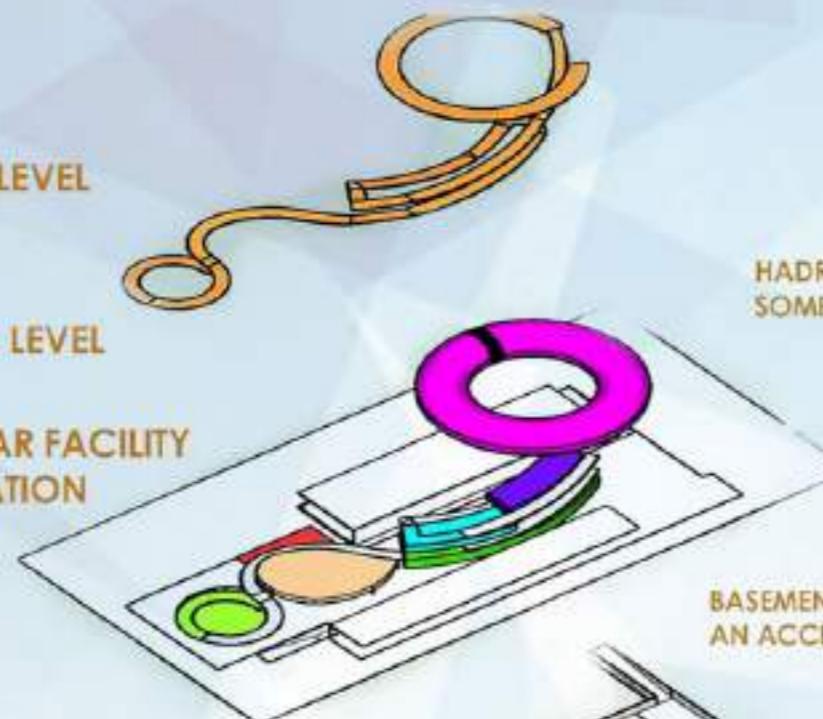
RESEARCH CENTER PLUS WORKSHOP



TECHNICAL BACKGROUND



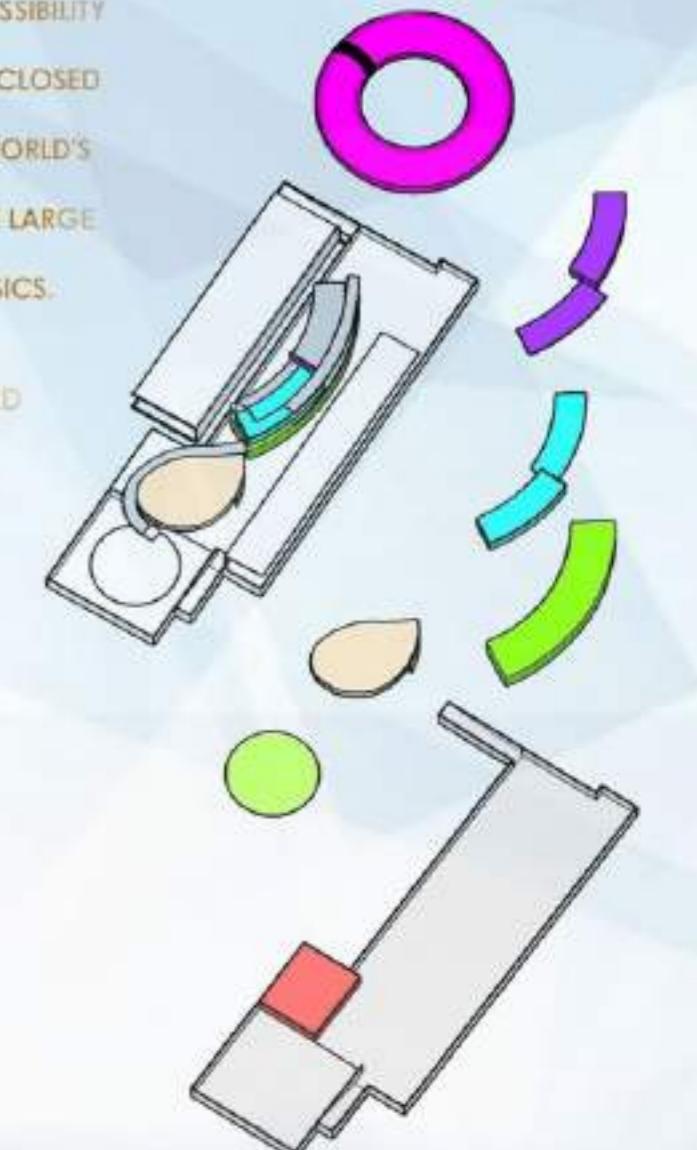
BASEMENT CAR  
PARKING



THIS SPLINE CURVE REPRESENTS THE ACCESSIBILITY  
OR HUMAN CIRCULATION OF DESIGN.  
CELEBRATING THE PASSAGEWAY WITH ENCLOSED  
AND OPEN SPACES. INSPIRED BY THE  
LARGE HADRON COLLIDER (LHC) IS THE WORLD'S  
LARGEST AND HIGHEST ENERGY PARTICLE  
BETWEEN SWITZERLAND AND FRANCE. THE LARGE  
HADRON COLLIDER WAS BUILT TO HELP ANSWER  
SOME OF THE FUNDAMENTAL OPEN QUESTIONS IN PHYSICS.

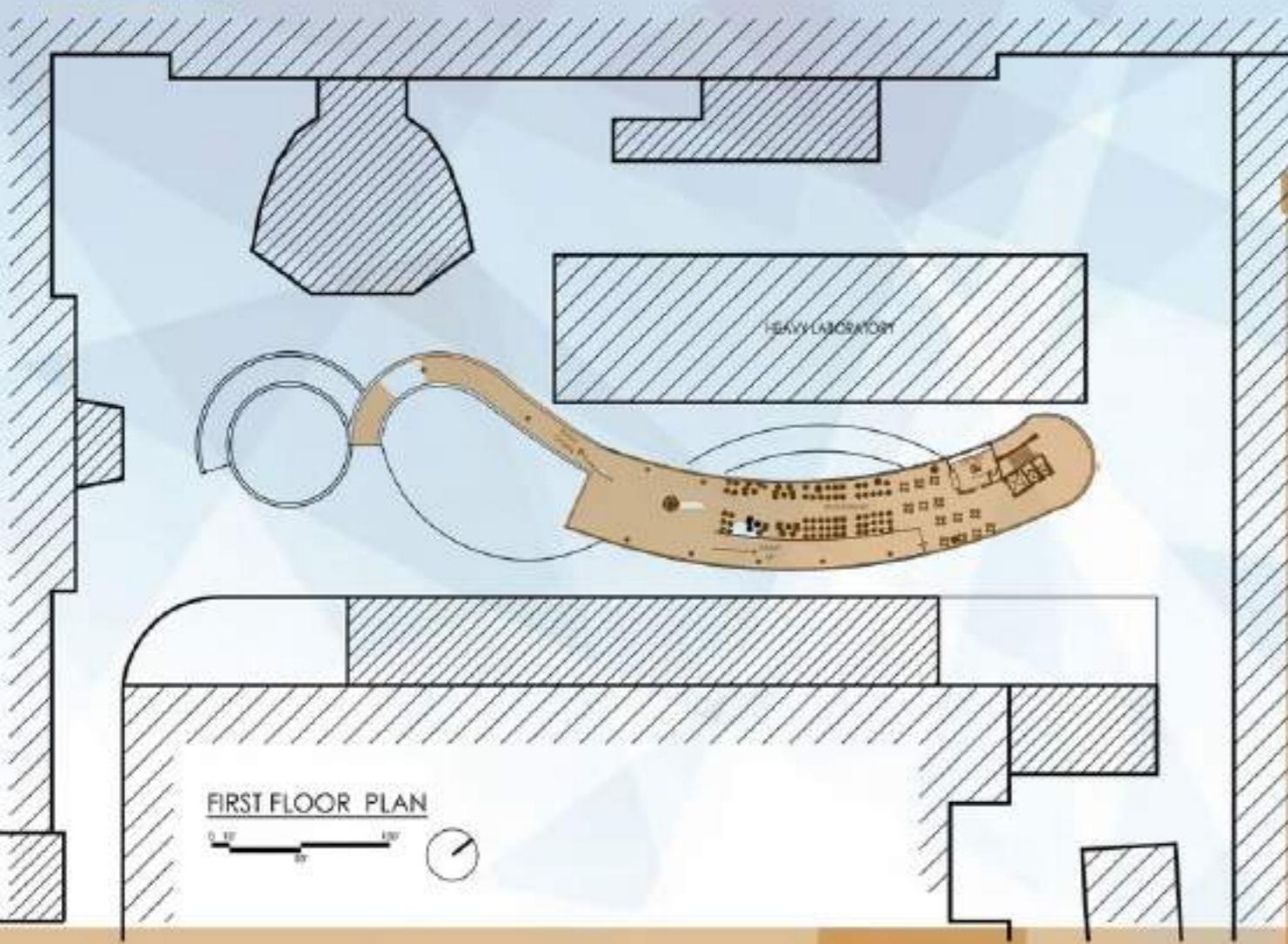
STACKING OF ENCLOSED SPACES REQUIRED  
FOR THE PROGRAM BRIEF IN A WAY  
CREATING VISTAS AND PLAYFULL SPACES.

BASEMENT UTILIZED FOR PARKING PLUS HAVING  
AN ACCESS TO OPEN EXHIBITION FOR PUBLIC

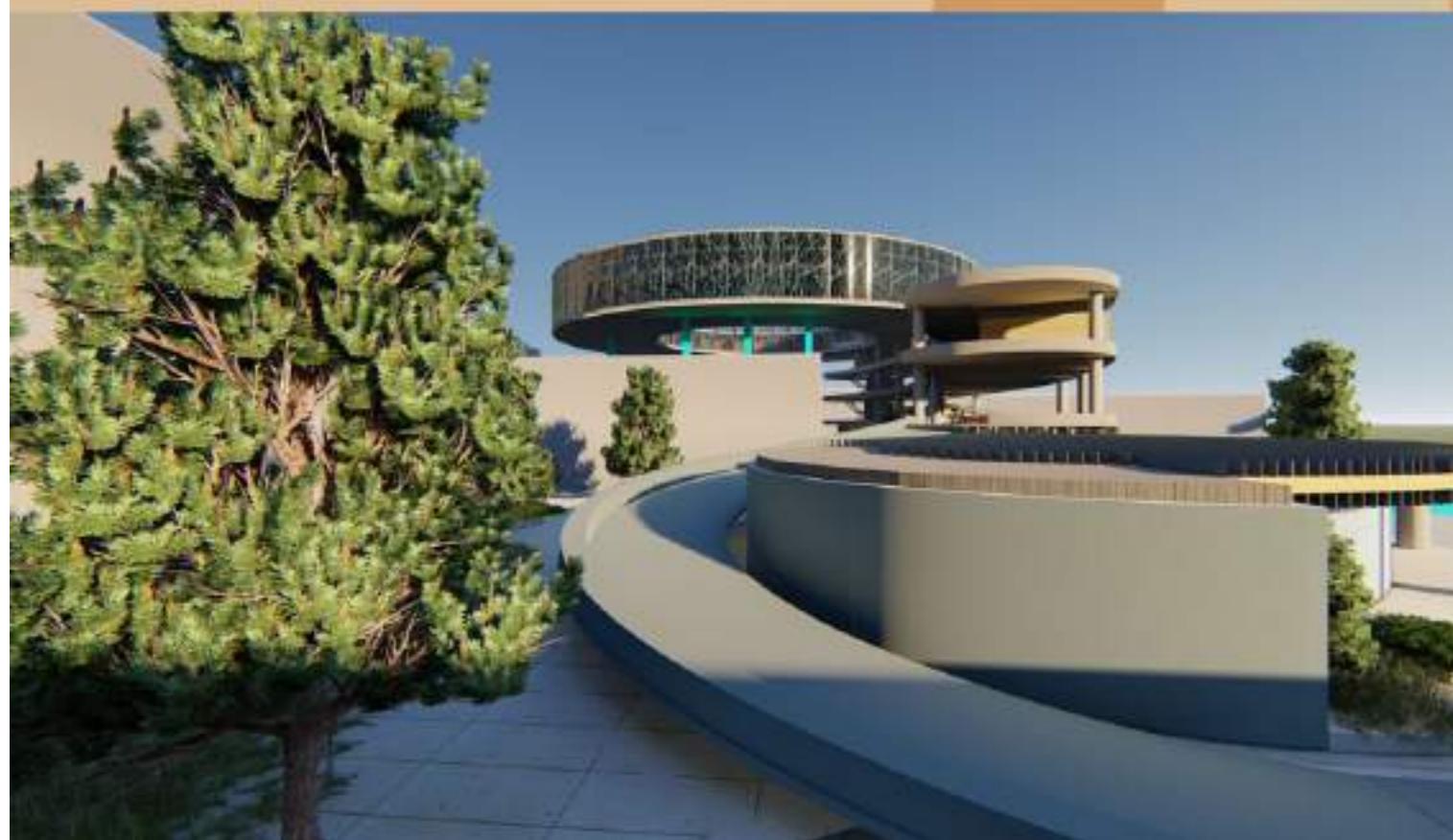


## FIRST FLOOR PLAN

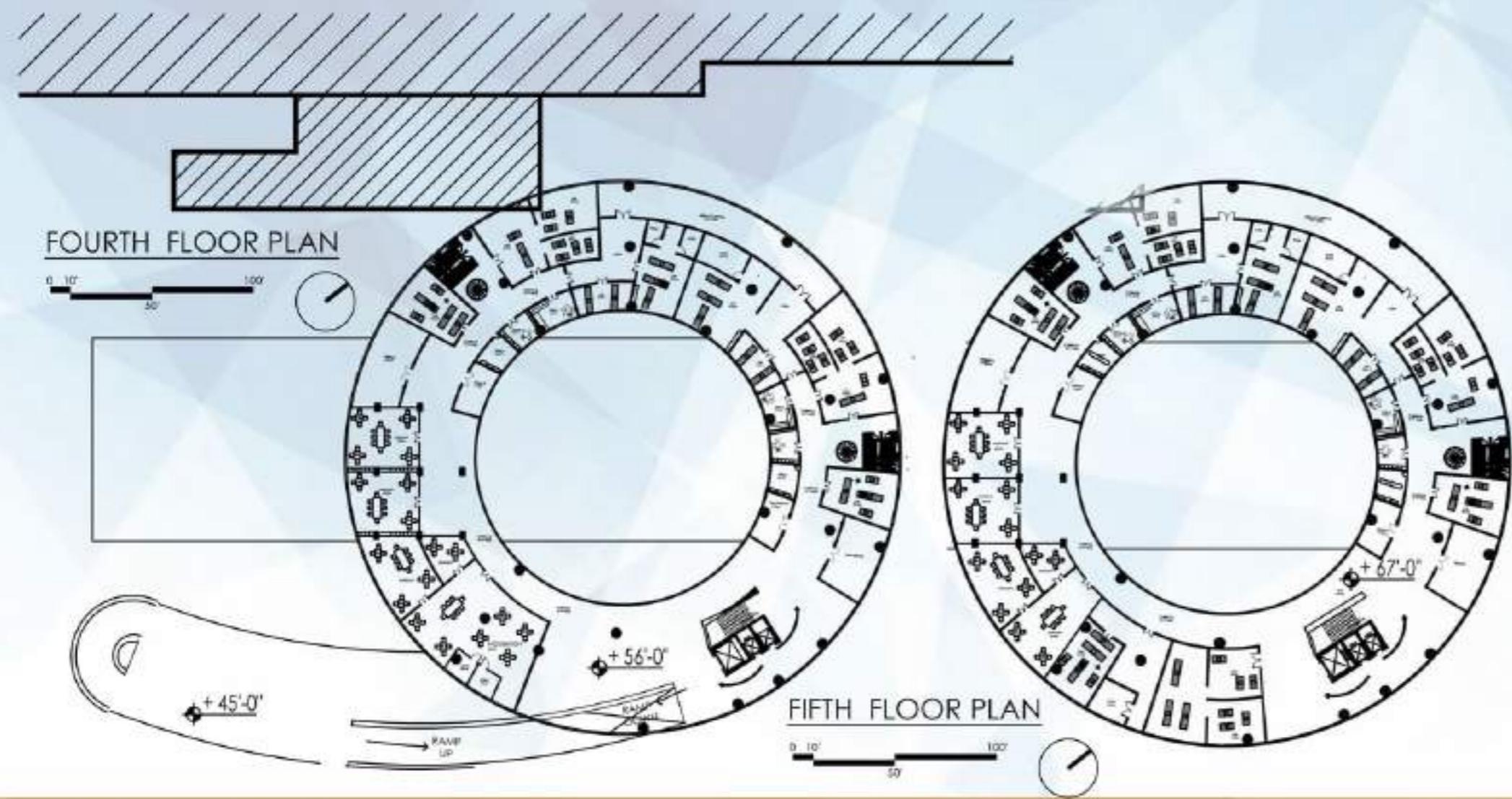
### CAFETERIA



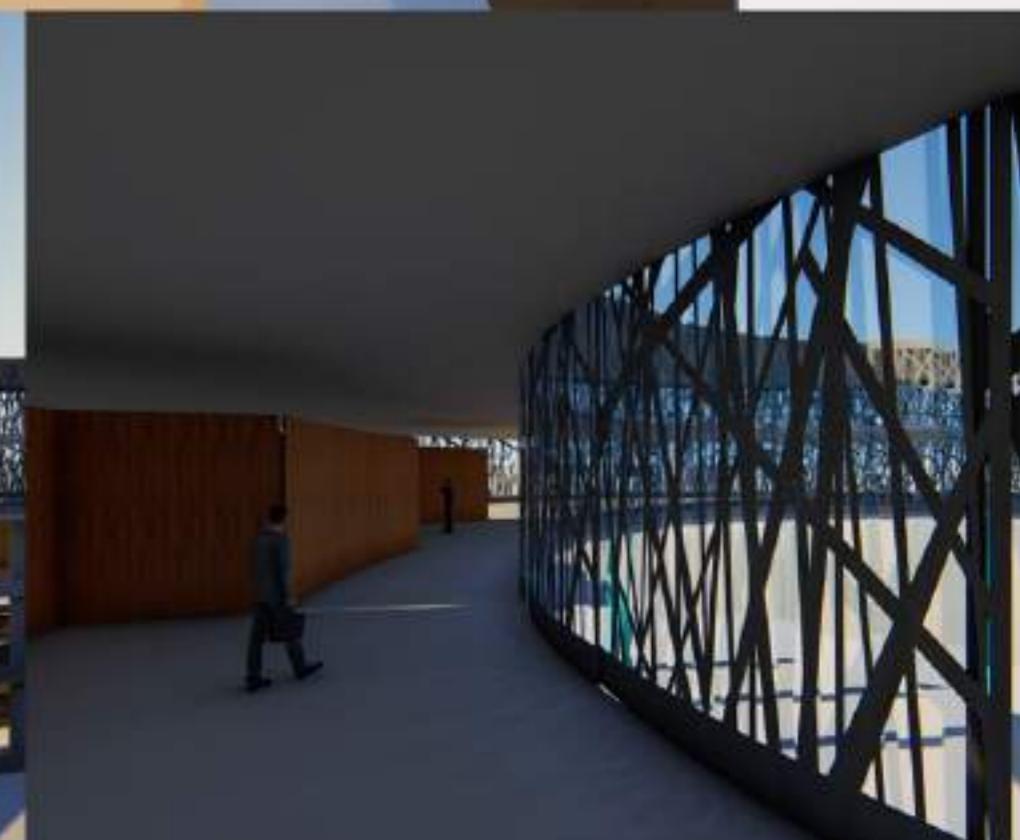
RAMP LEADING FROM GROUND FLOOR TO FIRST FLOOR  
AT +15' FT FLOOR LEVEL CAFETERIA WITH SITTING ALSO  
CONNECTED BY CARGO LIFT AND GENERAL PUBLIC LIFT.



## FOURTH FLOOR AND FIFTH FLOOR PLAN



RESEARCH CENTER PLUS WORKSHOPS FOR STU .PROJECTING OVER THE EXISTING FACILITY AS A SUSTAINABLE APPROACH.



## THE CELEBRATION OF PROMENADES AND ARCHITECTURAL ELEMENTS

ARCHITECTURAL ELEMENTS LIKE RAMPS AND STAIRCASES  
SHOULD BE CELEBRATING AND BOLD RATHER THAN JUST  
A UTILITY FOR VERTICAL TRANSPORTATION



FIFTH YEAR FIRST SEMESTER

THESIS PROJECT

A COMMUNITY BASED DECENTRALIZED WASTE MANAGEMENT UNIT

IN GULSHAN-E-IQBAL KARACHI

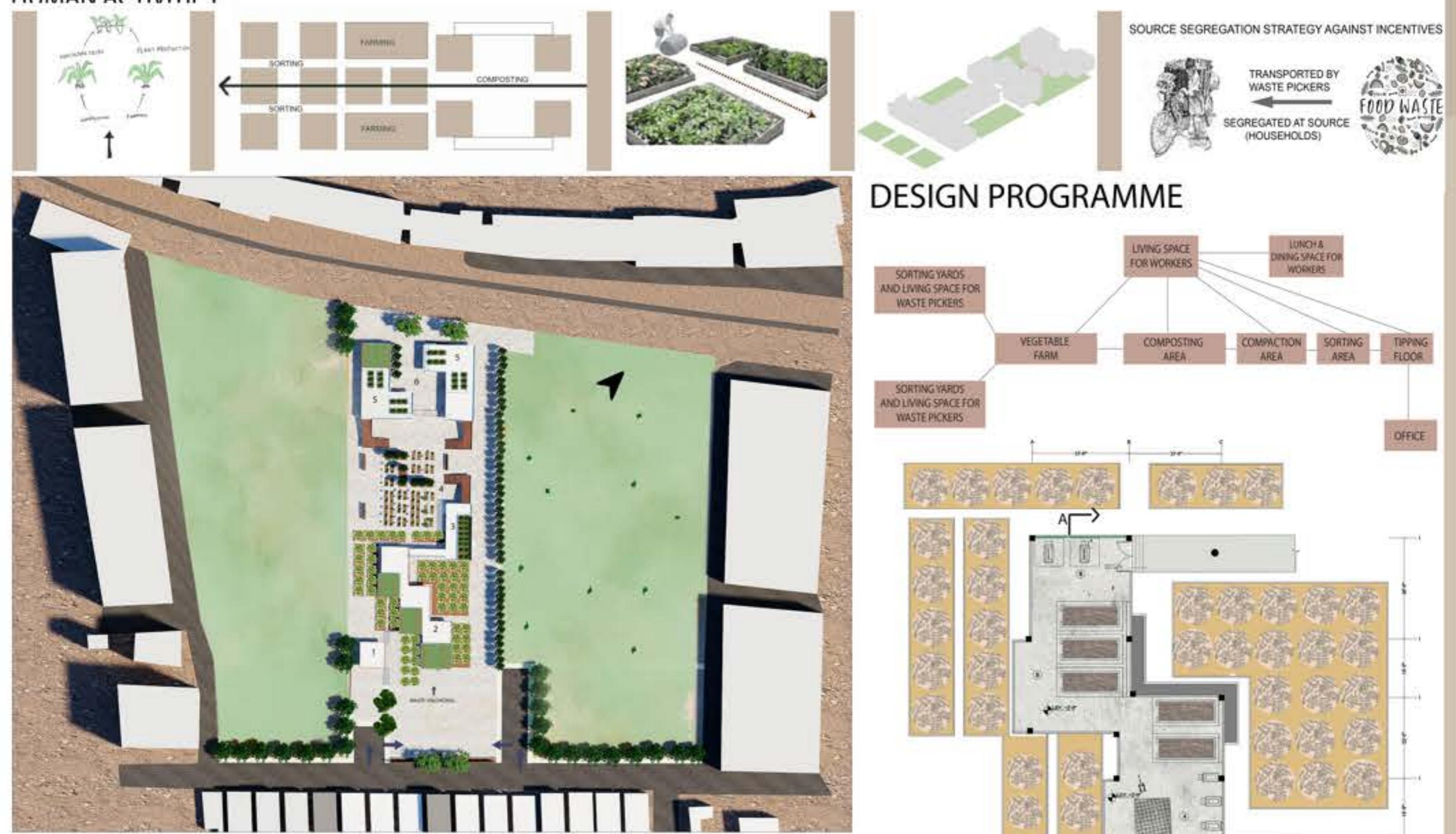


# RETHINKING THE CURRENT PRACTICES OF SOLID WASTE MANAGEMENT THROUGH AN ENVIRONMENTAL DESIGN

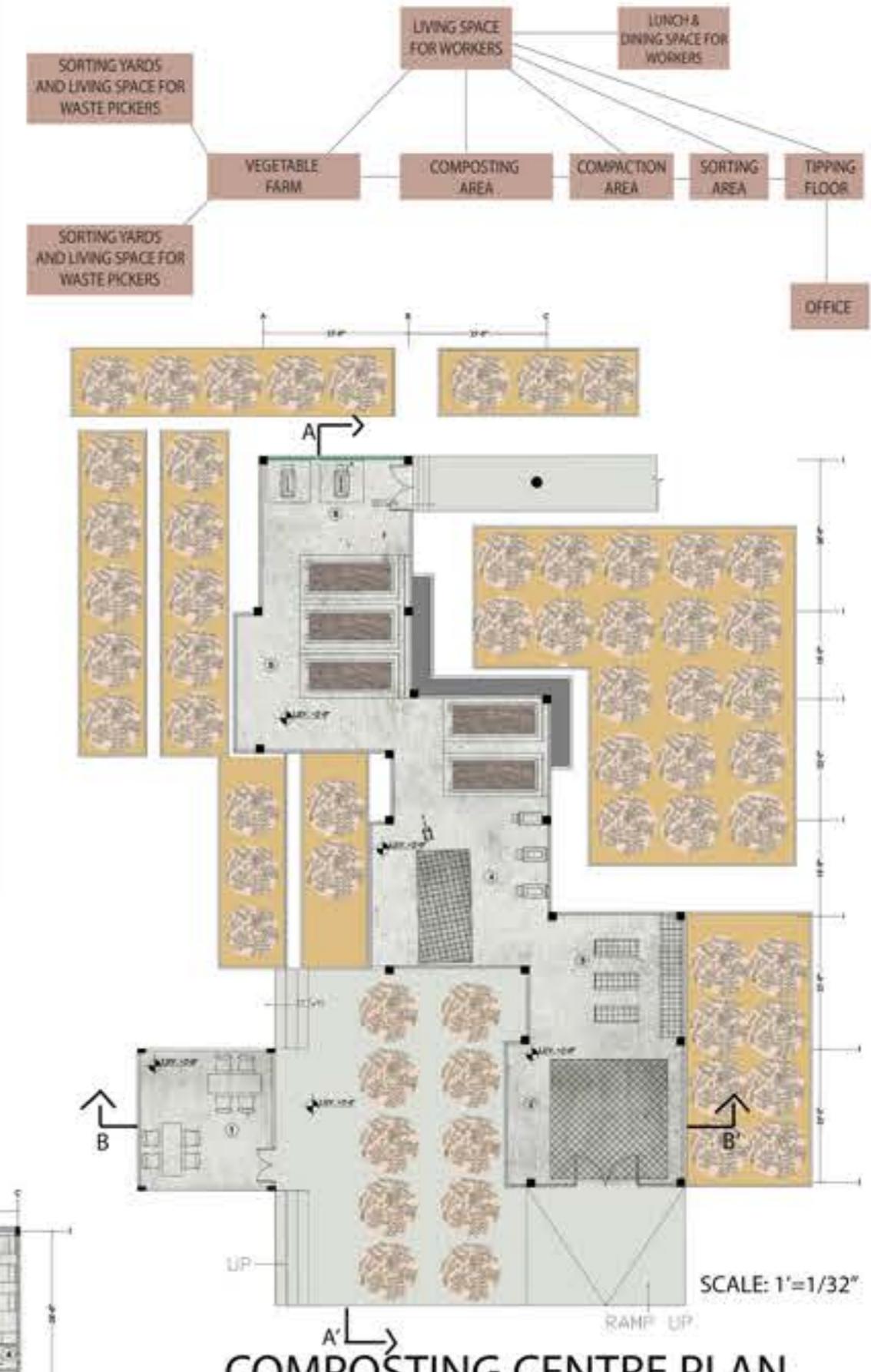
In Karachi, population growth and urbanization bring issues of poor living standards and poor sanitation to the top of the agenda. Some of the issues could be solved if well-functioning waste management systems were built. To reduce the environmental burden and improve the overall situation in dense cities, the already existing local informal waste handling system, which is widespread in many low-income nations, needs to be developed with suitable management and recycling options.

## DESIGN CONCEPT

THE DESIGN CONCEPT OF THIS PROJECT IS THE CLOSED LINEAR FUNCTIONALITY PATH, IN WHICH RECYCLING OF ORGANIC WASTE INTO THE LANDSCAPE IS AN EFFICIENT CUSTOMARY PRACTICE INTEGRATED INTO EVERYDAY HUMAN ACTIVITIES

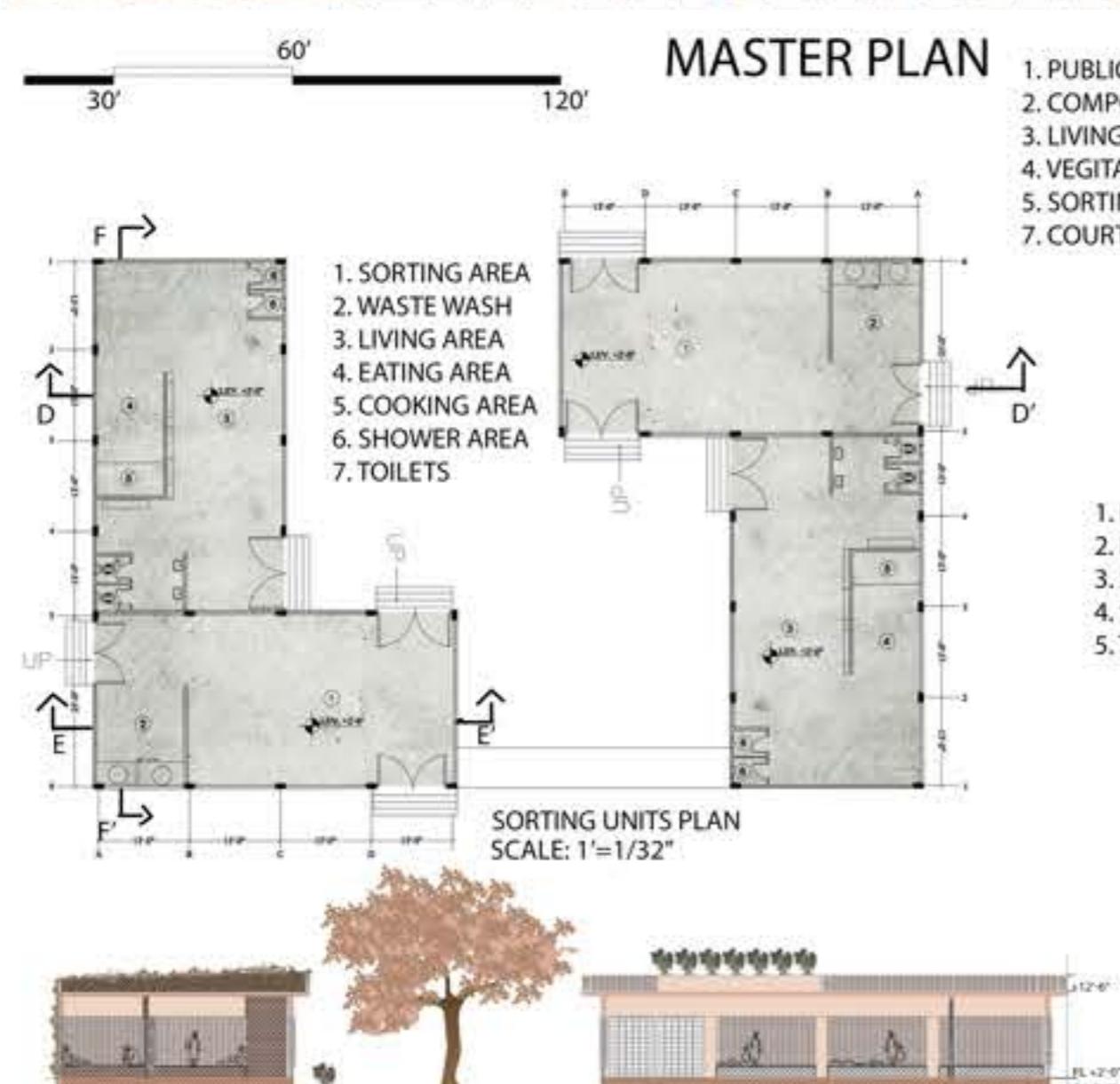


## DESIGN PROGRAMME



## COMPOSTING CENTRE PLAN

1. PUBLIC MEETING AREA
2. TIPPING FLOOR
3. SORTING AREA
4. WASTE COMPACTION AREA
5. COMPOSTING AREA
6. SCREENING AREA



## MASTER PLAN

1. PUBLIC MEETING
2. COMPOSTING CENTRE
3. LIVING SPACE OF WORKERS
4. VEGITABLE FARM
5. SORTING UNITS
6. COURTYARD

1. SORTING AREA  
2. WASTE WASH  
3. LIVING AREA  
4. EATING AREA  
5. COOKING AREA  
6. SHOWER AREA  
7. TOILETS

1. EATING AREA  
2. KITCHEN  
3. SLEEPING AREA  
4. SHOWER AREA  
5. TOILETS

SORTING UNITS PLAN  
SCALE: 1:1/32"

LIVING SPACE PLAN  
SCALE: 1:1/32"

SECTION DD'  
SCALE: 1:1/32"

SECTION BB'  
SCALE: 1:1/32"

SECTION AA'  
SCALE: 1:1/32"

SECTION CC'  
SCALE: 1:1/32"

SECTION FF'  
SCALE: 1:1/32"

SECTION EE'  
SCALE: 1:1/32"

SECTION CC'  
SCALE: 1:1/32"



VIEW 1



SOUTH EAST ELEVATION



WASTE PICKERS ENTRANCE THROUGH SCREEN WALL



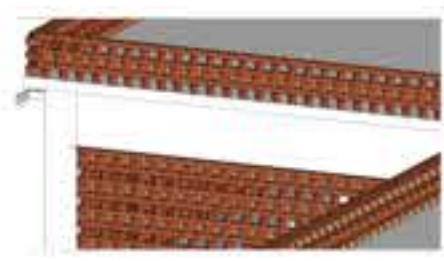
VEGITANLE FARM



SOUTH ELEVATION



NORTH ELEVATION



BRICKS PATTERNS

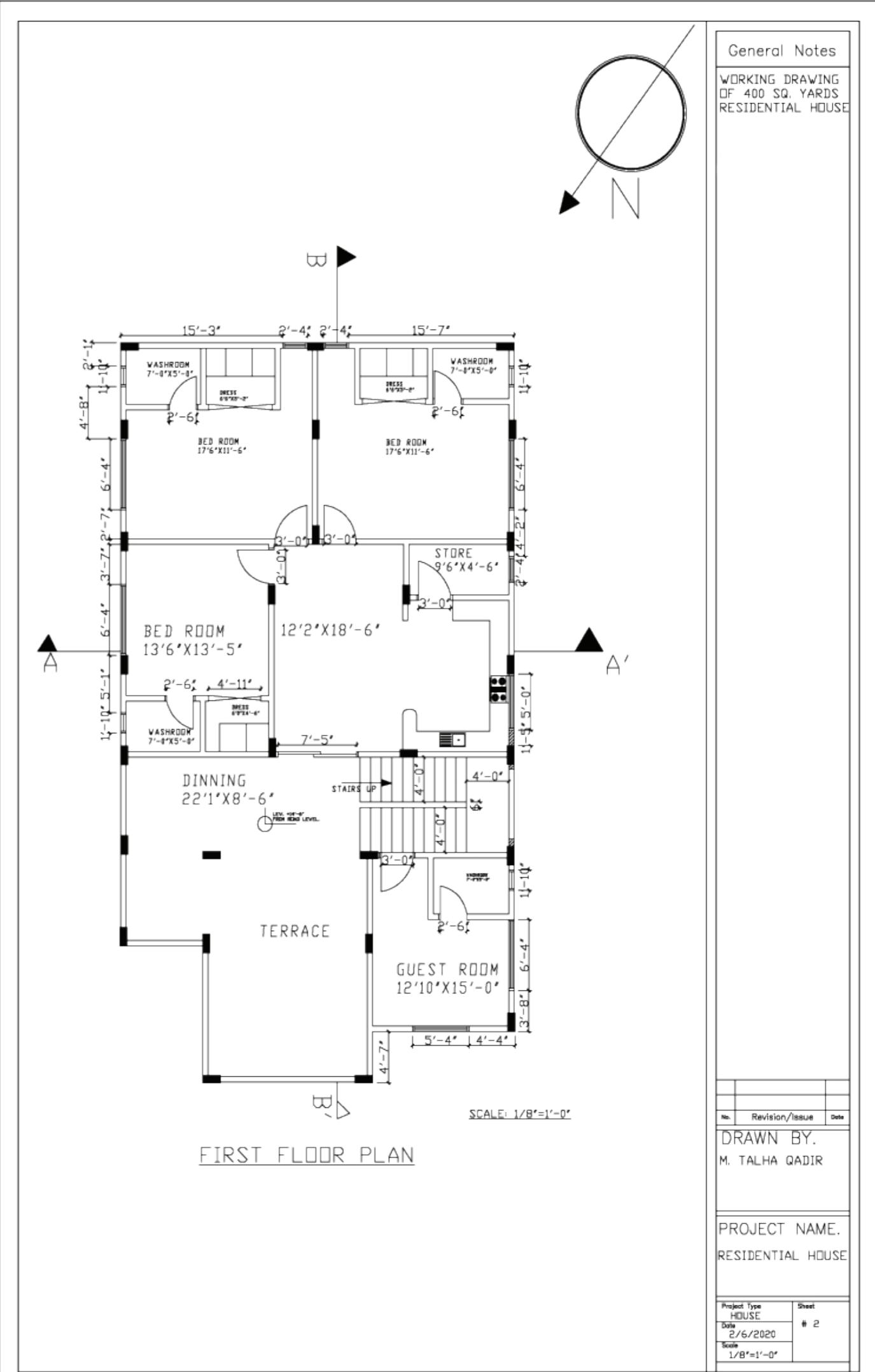
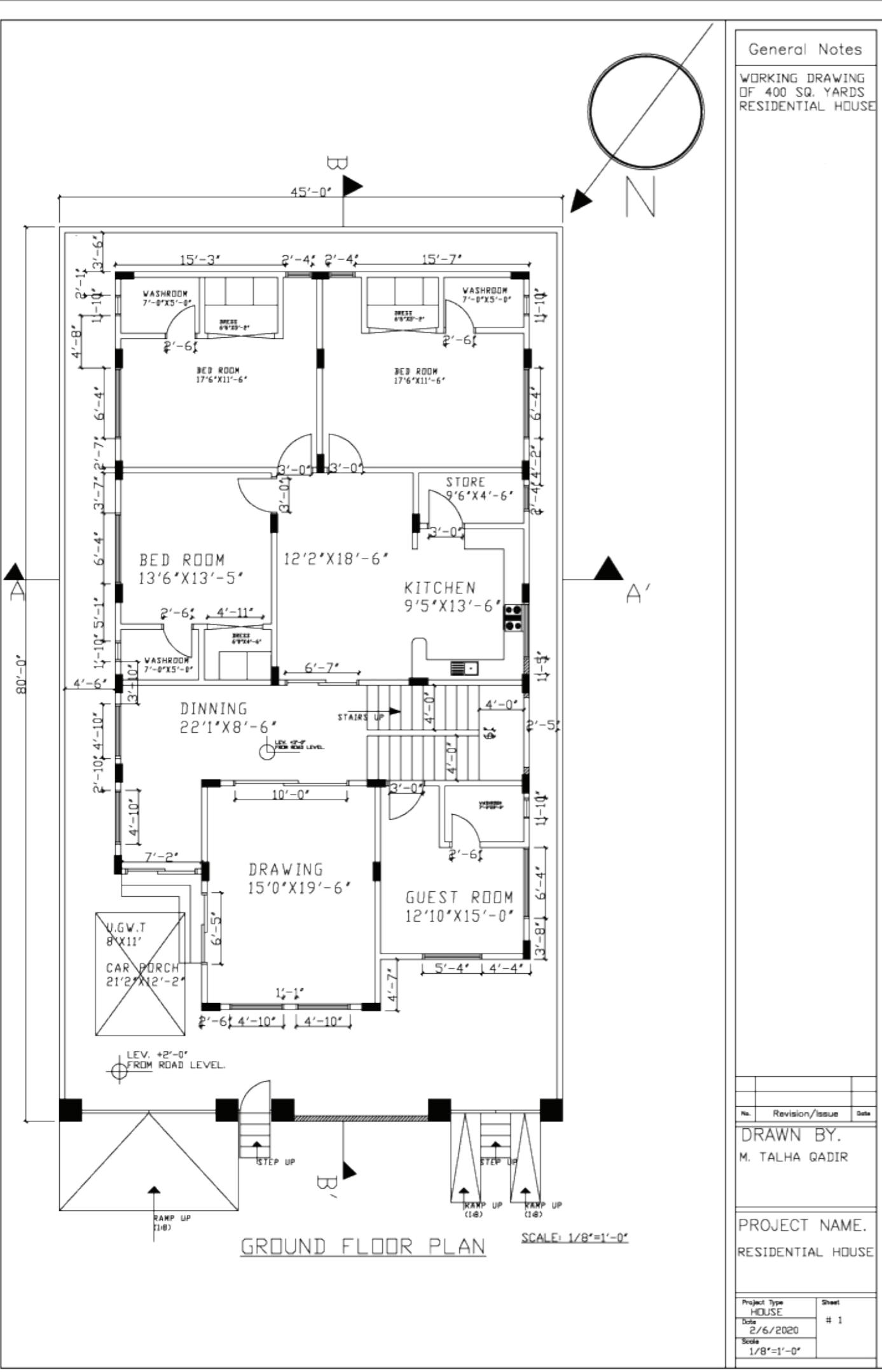


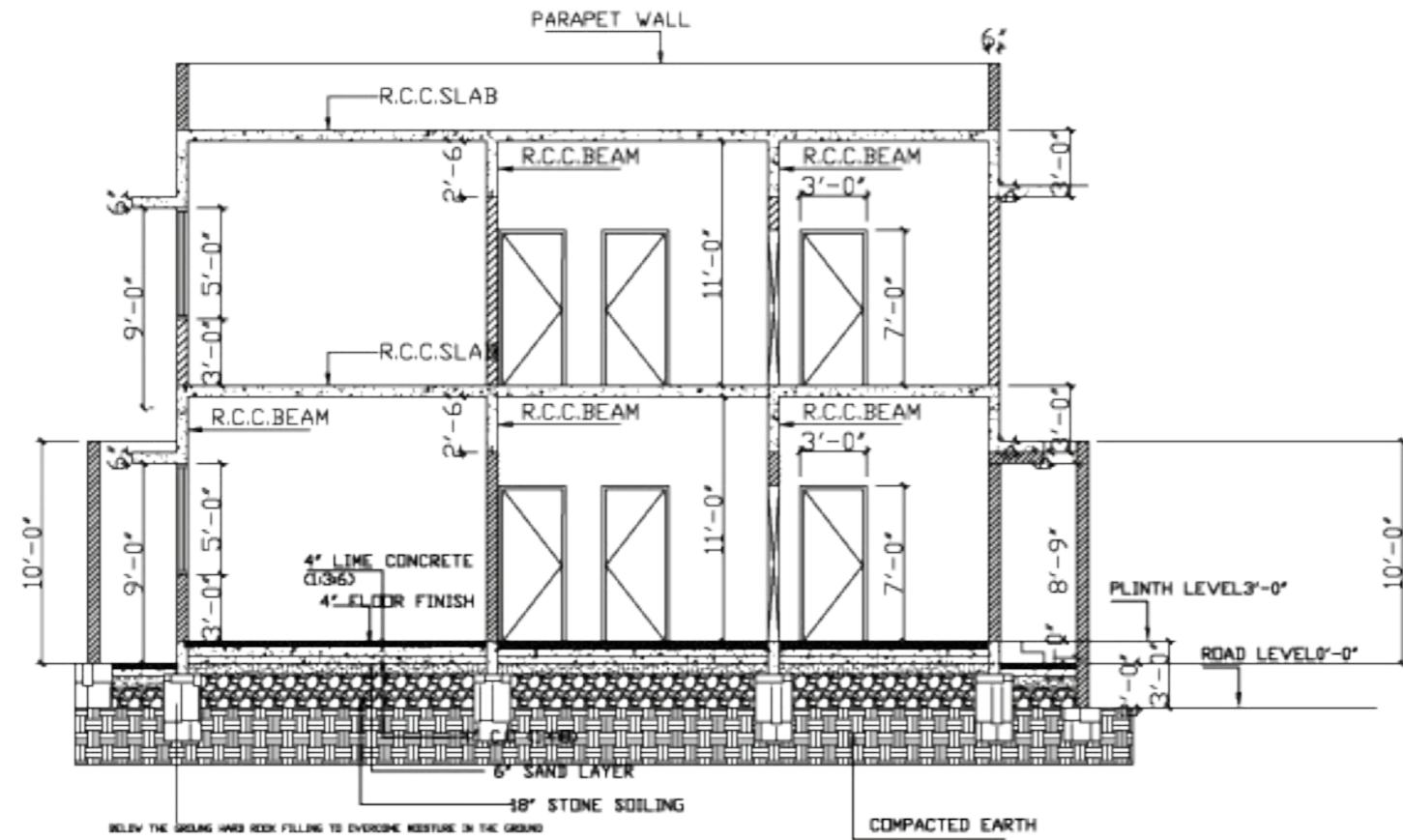
ISO METRIC VIEW

TALHA QADIR KHAN

PROFESSIONAL

400 SQ.YDS RESIDENCE





SCALE: 1/8"=1'-0"

## SECTION AA'

General Notes

WORKING DRAWING  
OF 400 SQ. YARDS  
RESIDENTIAL HOUSE

No. Revision/Issue Date

DRAWN BY.  
M. TALHA QADIR

PROJECT NAME.  
RESIDENTIAL HOUSE

Project Type HOUSE	Sheet # 6
Date 2/6/2020	
Scale 1/8"=1'-0"	

