

portfolio

ARCHITECTURE

PRANAY S DOSHI



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08 / 10 / 1999

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ABOUT ME

Currently in third year persuing bachelors of architecture at
DC PATEL SCHOOL OF ARCHITECTURE

HARDWORKING and AMBITIOUS individual with a great passion for design and architecture.

Have excellent COMMUNICATION skills, which enables me to effectively communicate and interpret my designs with people.

OBJECTIVE

I am seeking internship position in your design firm in which I can put into practice my knowledge and experience.

I aim to grow under your firm and explore my potential to the maximum.

PROFESSIONAL SKILLS

autocad 

sketchup 

photoshop 

twinmotion 

drafting 

graphic's 

illustration 

EDUCATION

D.C PATEL SCHOOL OF ARCHITECTURE
2018 (BACHELORS OF ARCHITECTURE)
APIED, ANAND, VV NAGAR GUJRAT

VIDYA NIKETAN SCHOOL, BANGALORE

2006-2016 (ICSE)

WORKSHOP

Deployable structure
A.P.I.E.D

Hunnarshala
MUD CONSTRUCTION RAMMED EARTH
ADOBE
WATTLE AND DAUB

Brick Masanory, (foundation)
A.P.I.E.D

Bamboo workshop
A.P.I.E.D

DOCUMENTATION

RSP-I MANDU, M.P.

RSP-II TRIVANDRUM, KERALA
AGRAHARAMS, VALIYASALAI STREET

LANGUAGES

ENGLISH	TAMIL
HINDI	KANNADA
GUJRATI	

INTEREST

TRAVELLING
SKETCHING
SPORTS - BASKETBALL
CRICKET



CONTACT:

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 +91 9538951819

 No. 15 Jalaram Kutir,
B. Kempana Layout,
Palace Gutthalli,
Bangalore: 560003

01
ADVANCE ANTHROPOMETRY

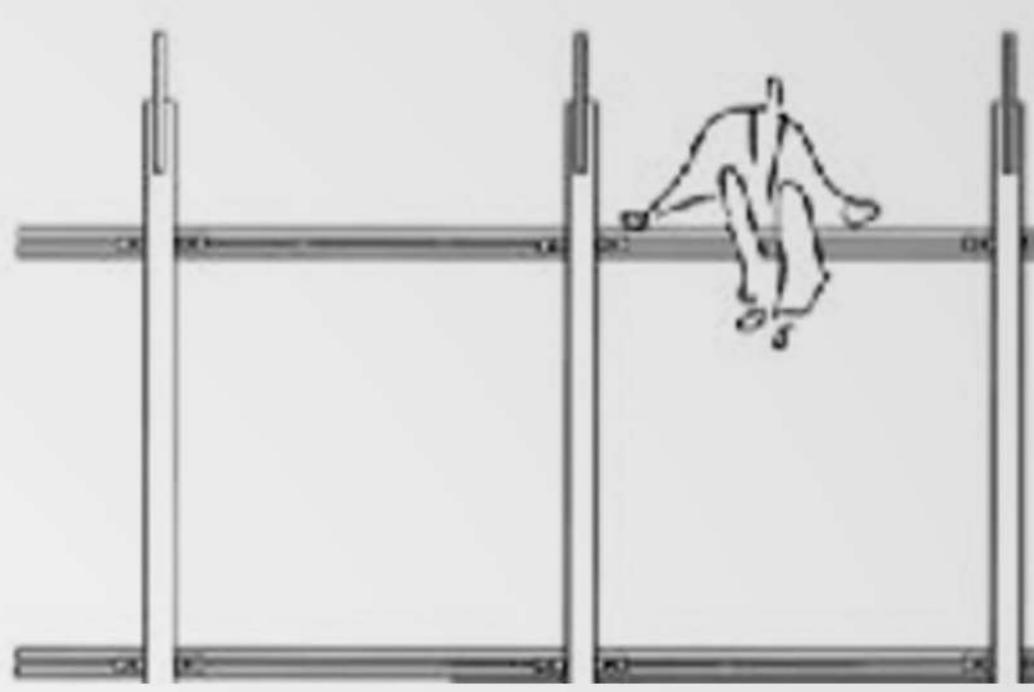
02
MATERIAL STUDIO

03
CONTEXTUAL STUDIO

04
INSTITUTIONAL STUDIO

05
WORKING DRAWING

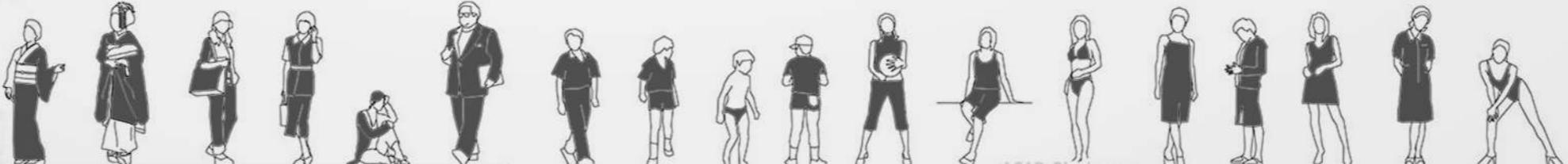
06
BASIC DESIGN



anthropometry

THE STUDIO IS FOCUSED ON UNDERSTANDING THE FUNDAMENTALS OF HUMAN SCALE AND BUILT ENVIRONMENT.

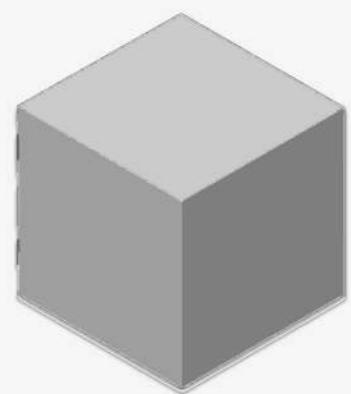
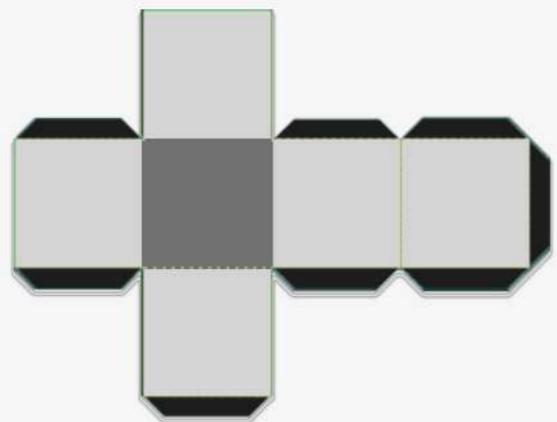
UNDERSTANDING THE HUMAN BODY AND PROVIDE A CATEGORISED DATA ON HUMAN SCALE.



ADVANCE ANTHROPOMETRY

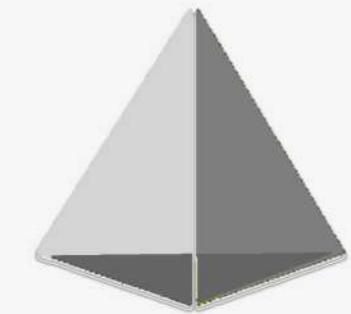
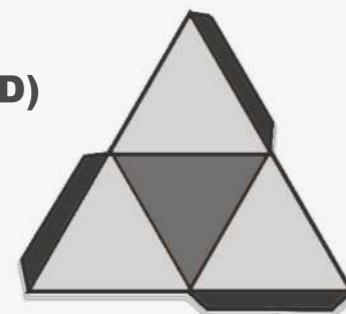
PROGRAM:

PLAYING WITH DIFFERENT GEOMETRIC SHAPES
i.e : CUBE

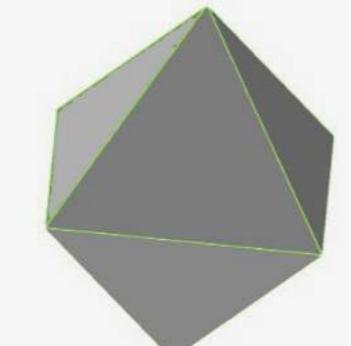
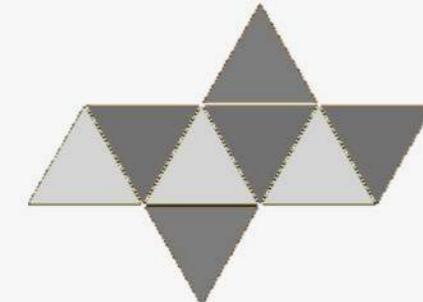


TETRAHEDRON:

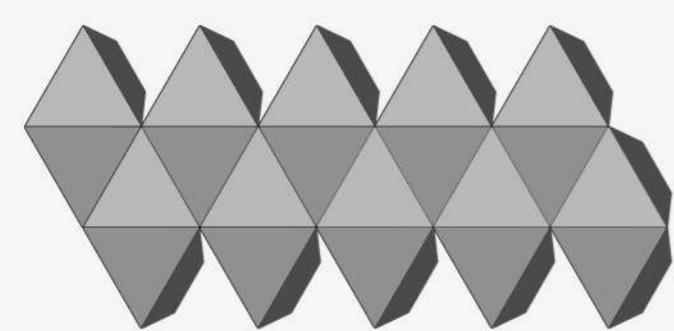
(TRIANGULAR PYRAMID)



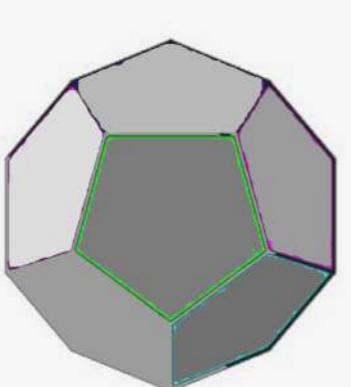
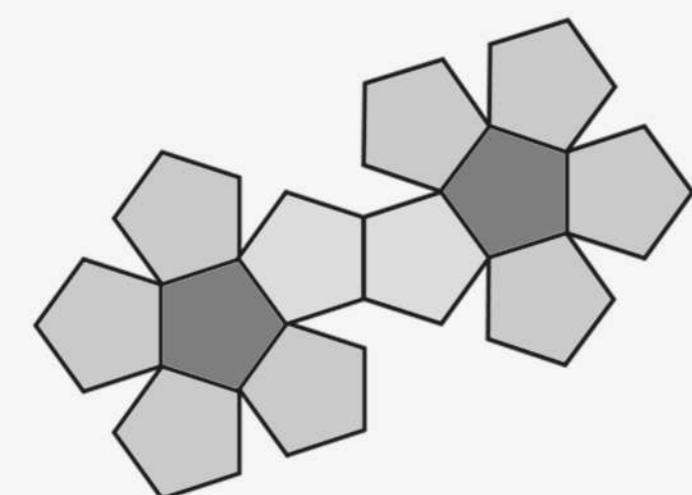
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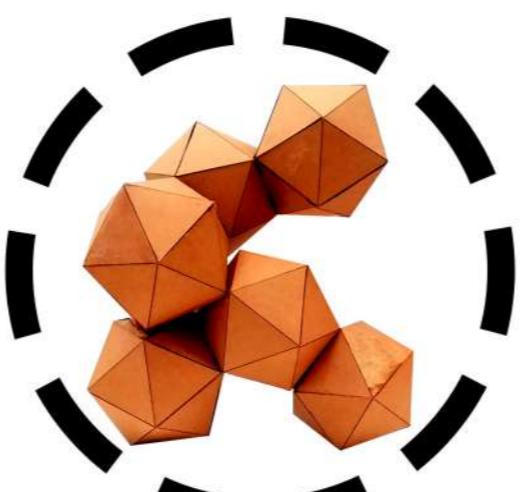
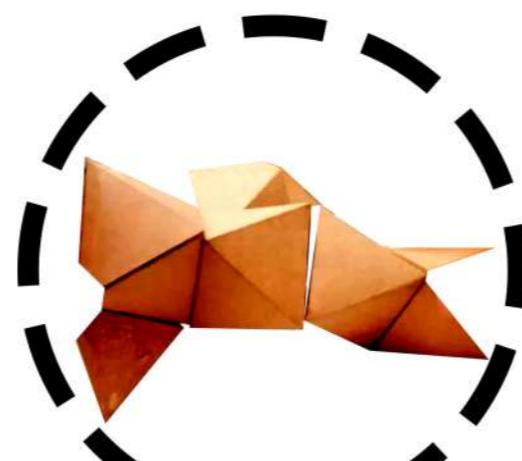
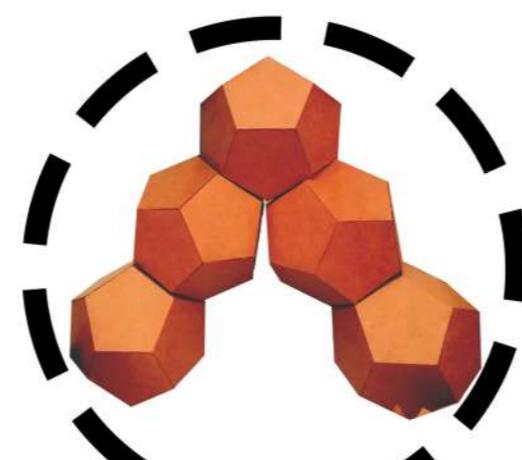
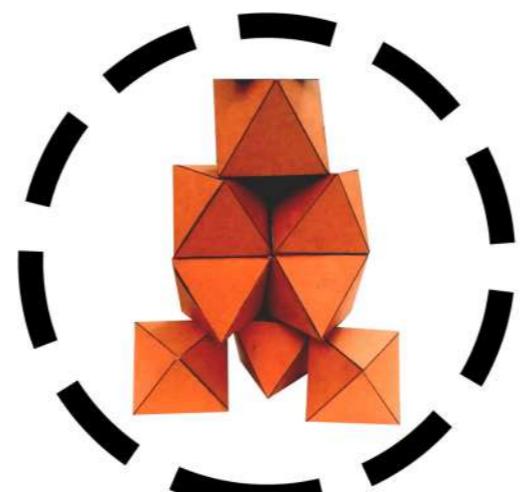
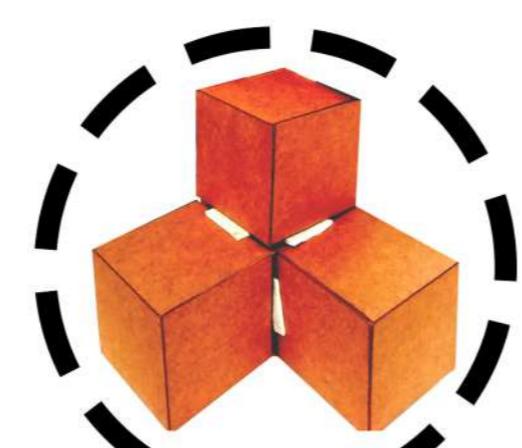
ICOSAHEDRON:



DODECAHEDRON:



VARIATIONS:



WORKING ON ICOSAHEDRON:

PROGRAM:

THE PROGRAM WAS TO DESIGN AN EXHIBITION CENTRE.

UNDERSTANDING THE WORKING OF EXHIBITION CENTRE'S BY VARIOUS CASE STUDIES (INCLUDING PRIMARY AND SECONDARY) , SITE VISITS, ETC.

THE DESIGN PROCESS STARTED BY PLAYING WITH DIFFERENT VARIATIONS WITH THE MODELS.

ICOSAHEDRON WAS THE TYPE OF GEOMETRY THAT WAS CHOOSEN TO PLAY AND WORK WITH.

1. ARRANGEMENT OF ICOSAHEDRON

2. DESIGN PRINCIPLE:
FORM FOLLOWS FUNCTION

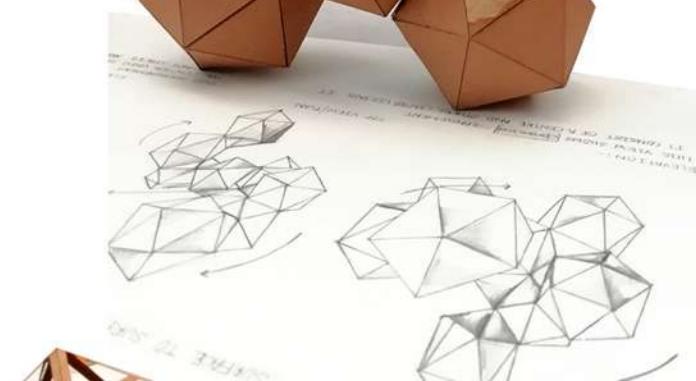
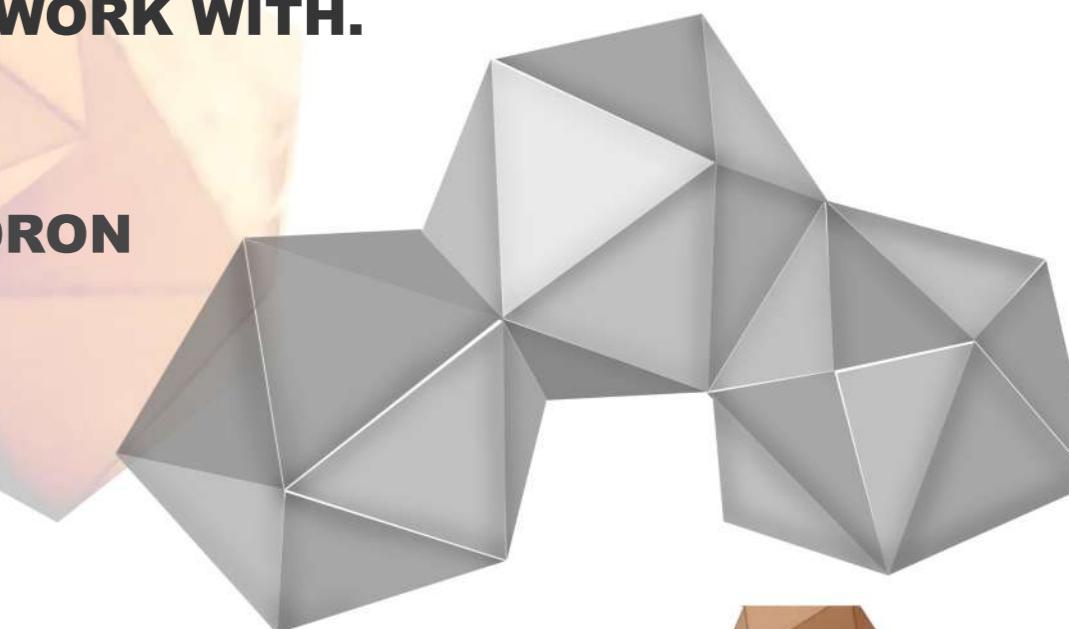
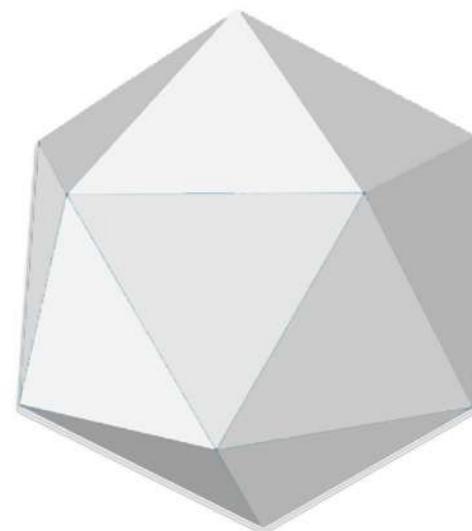
3. ANALYZING THE ARRANGEMENT BY SKETCHING MODULES.

4. CREATING A SKELETAL MODEL OF THE STRUCTURE.

5. DETERMINING HEIGHTS AND ADDITION OF FLOOR PLATES.

6. FOCUSING ON HUMAN SCALE AND PROPORTION WITH THE SPACE

7. PLANNING STAGE (ADDING FUNCTION, CREATING SPACES , SPACE CONSIDERATION



FLOOR PLAN

+3500mm LVL.

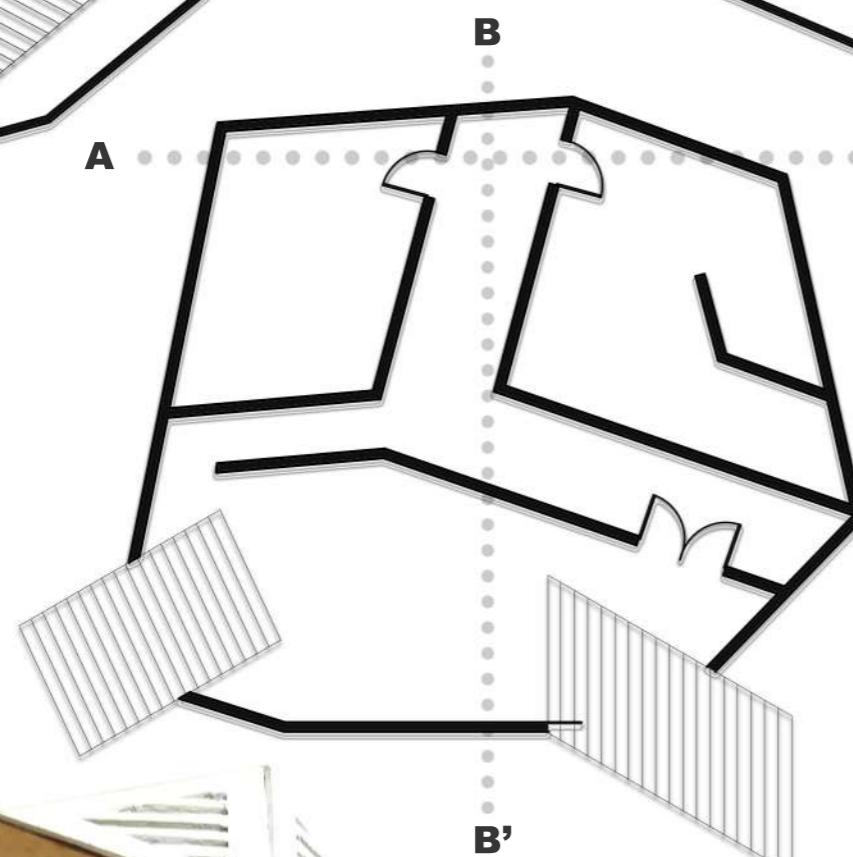
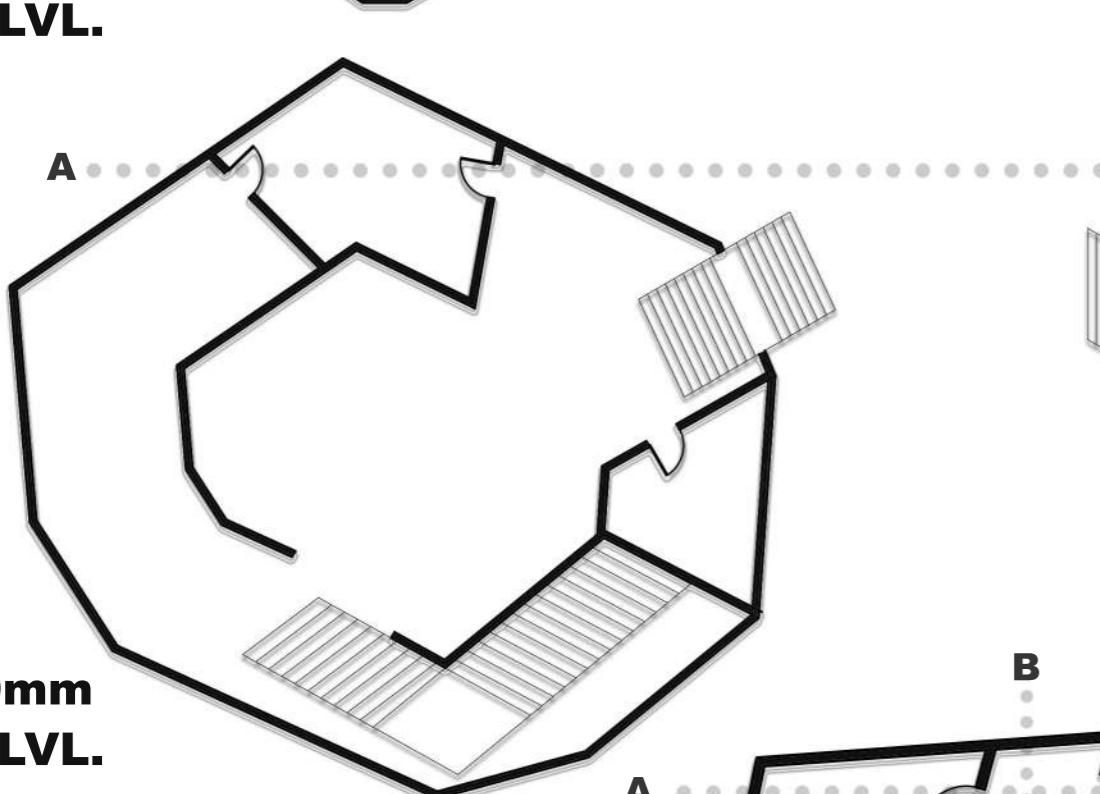
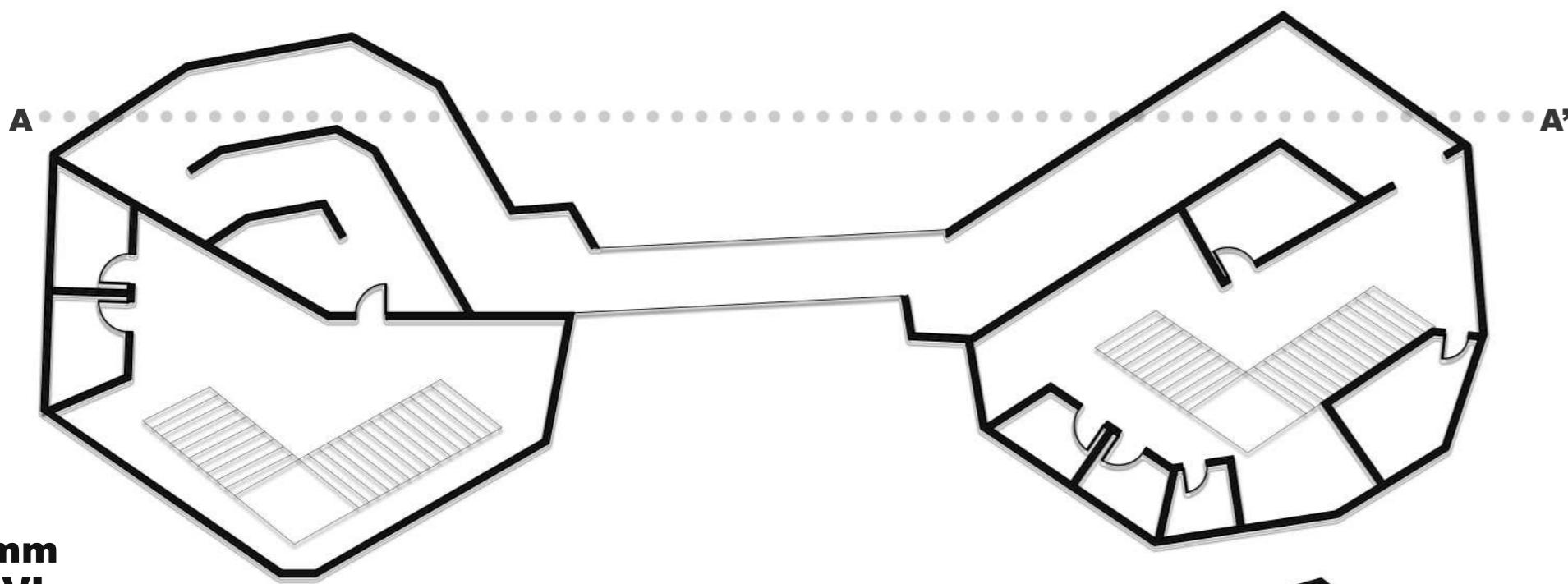
FLOOR PLAN

+7500mm LVL.

FLOOR PLAN

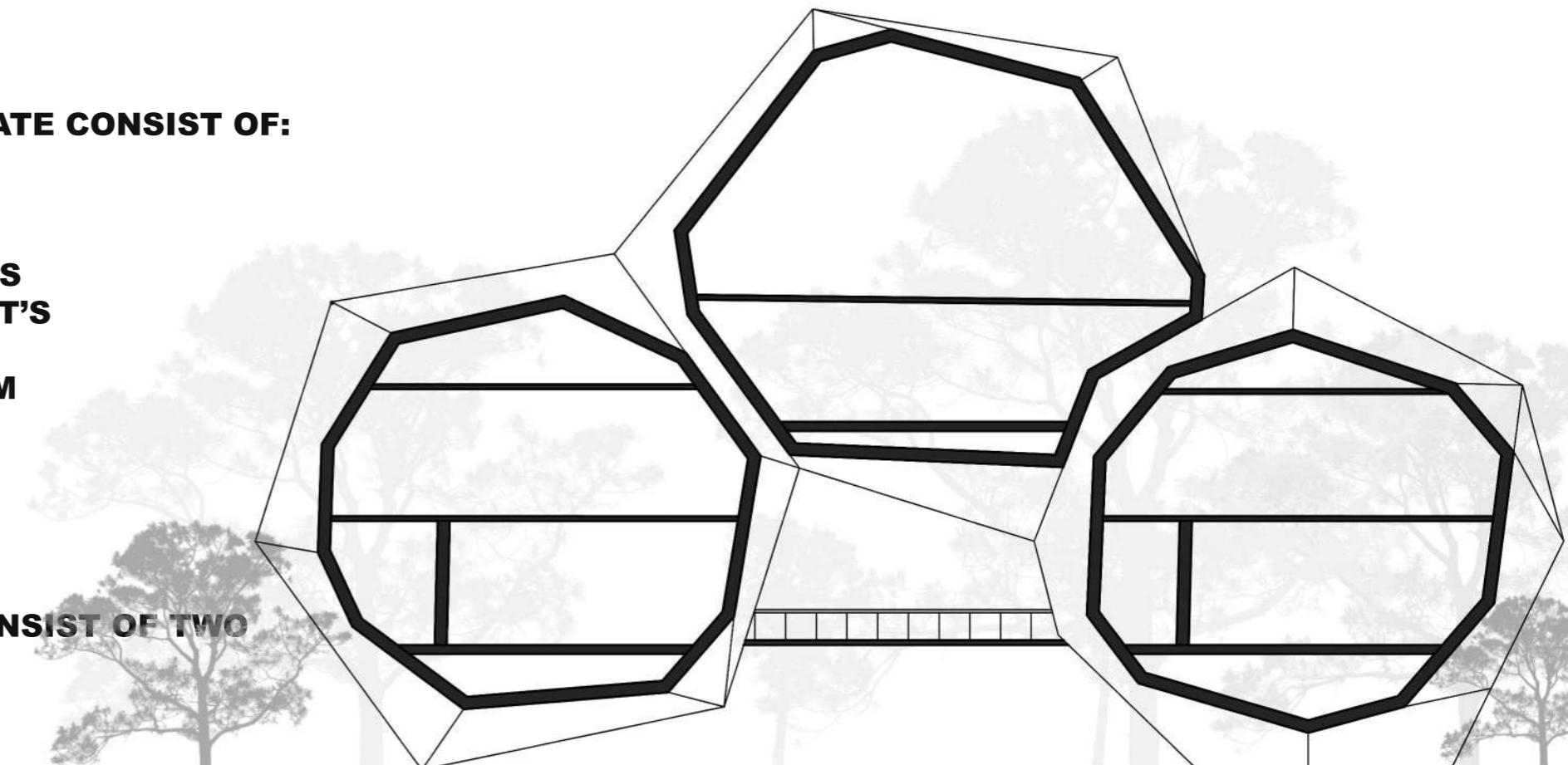
+10,000mm LVL.

2



THIS FLOOR PLATE CONSIST OF:

GALLERY A
GALLERY B
SERVICE ROOM'S
COMMON TOILET'S
WAITING AREA
SECURITY ROOM



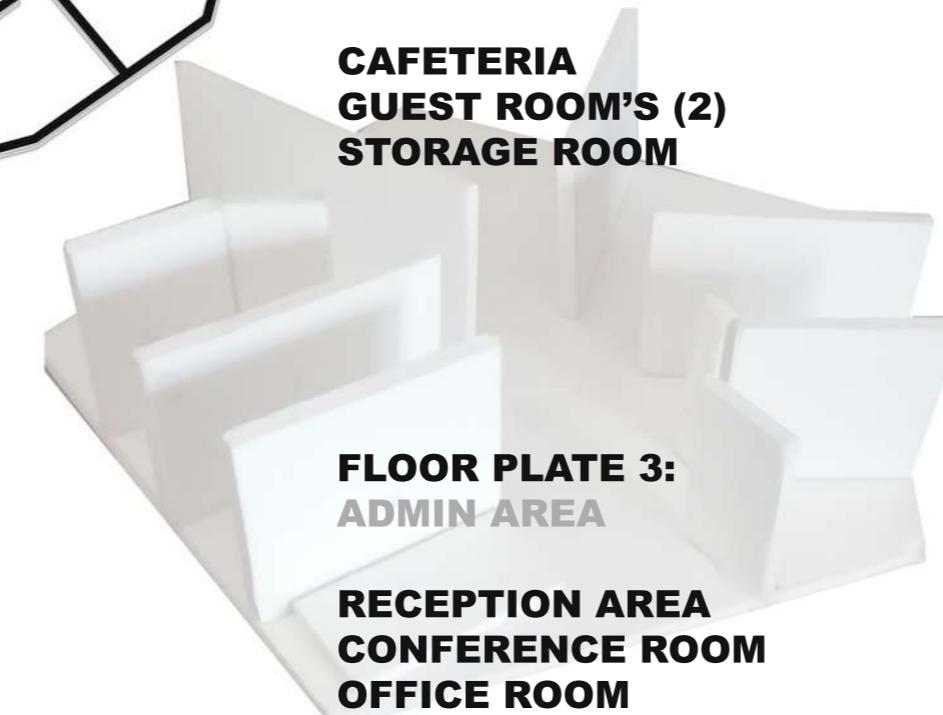
THIS FLOOR CONSIST OF TWO WINGS :

LEFT WING:

GALLERY AREA
WAITING AREA
SECURITY ROOM

RIGHT WING:

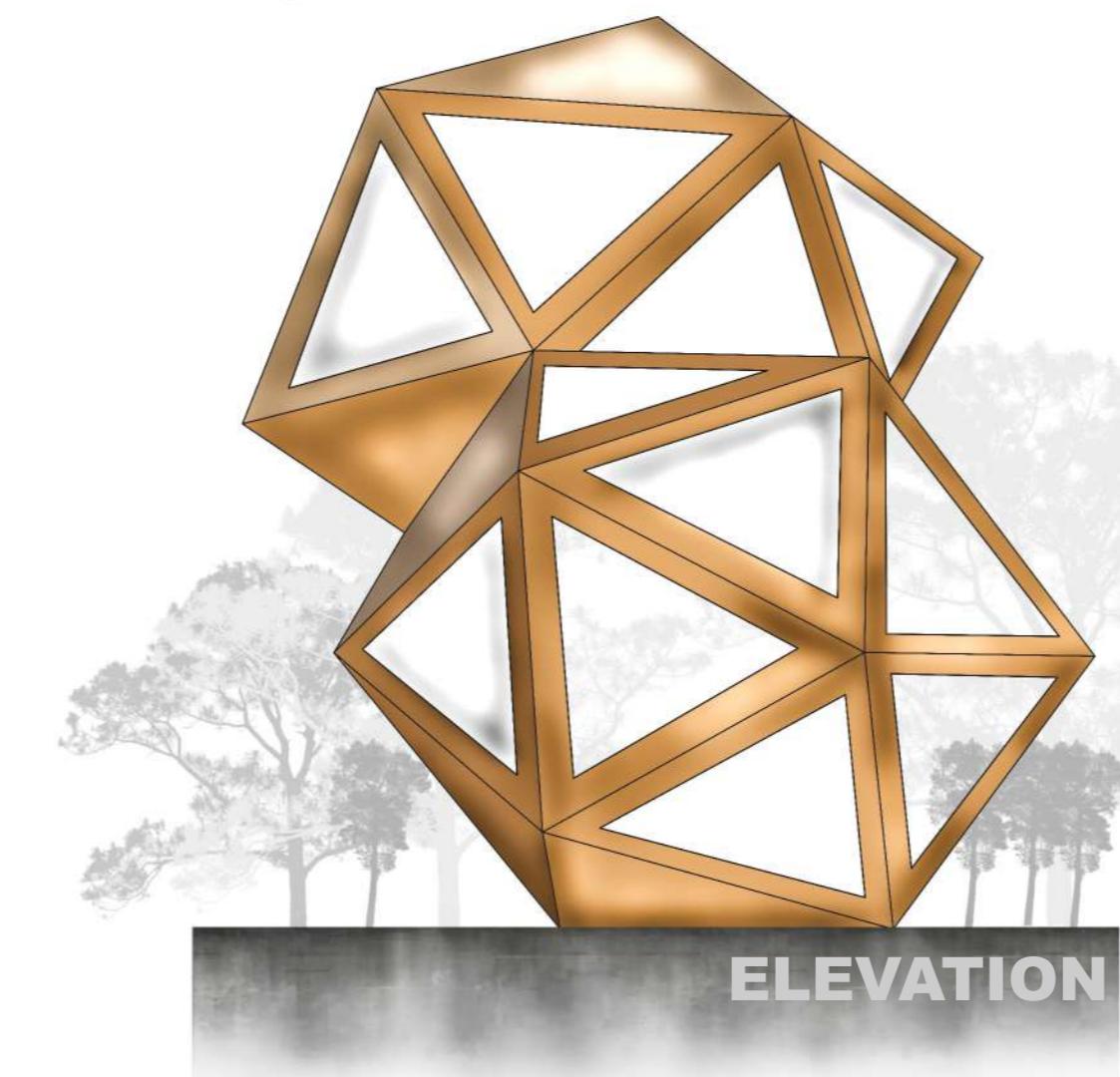
CAFETERIA
GUEST ROOM'S (2)
STORAGE ROOM



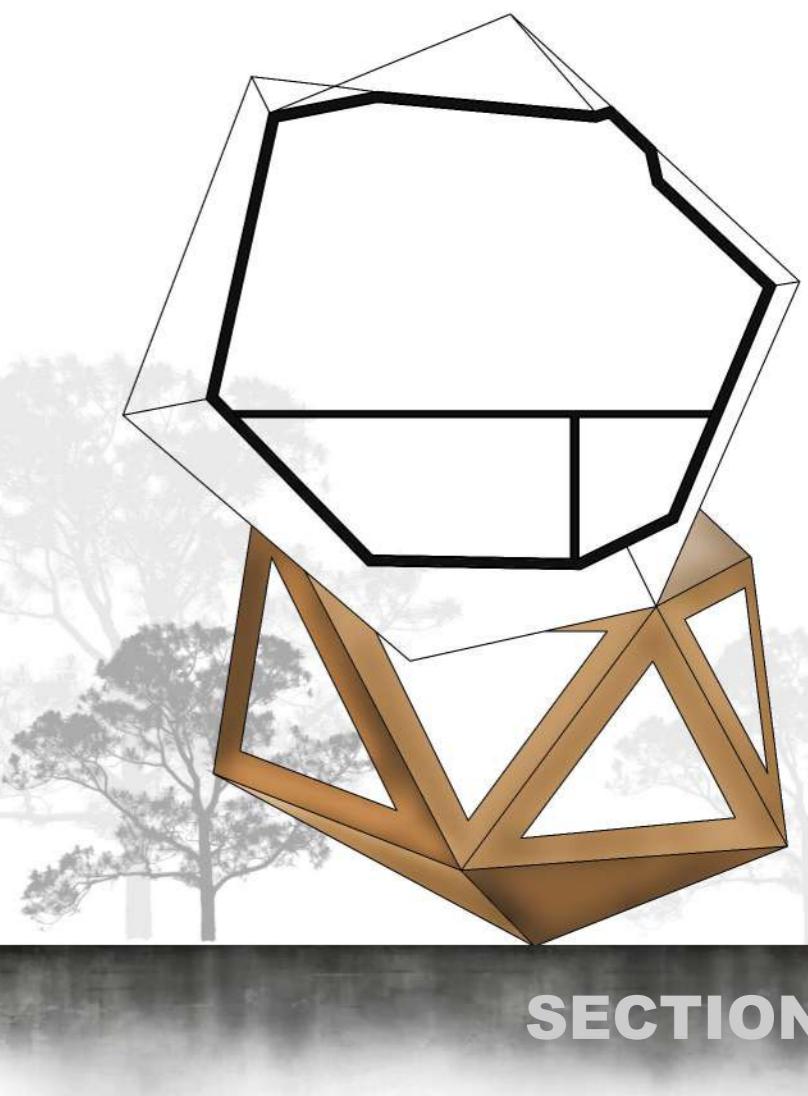
FLOOR PLATE 3: ADMIN-AREA

RECEPTION AREA
CONFERENCE ROOM
OFFICE ROOM

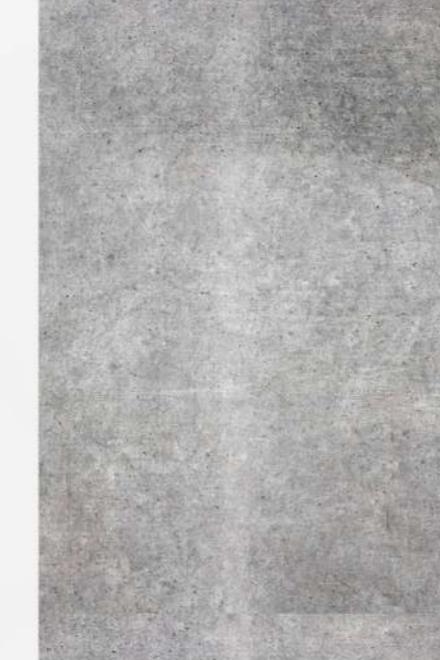
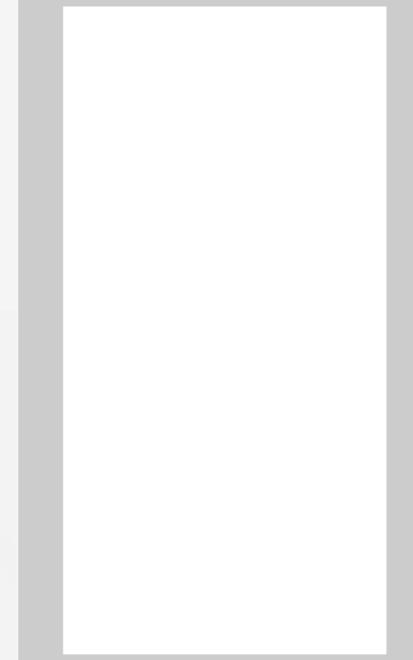
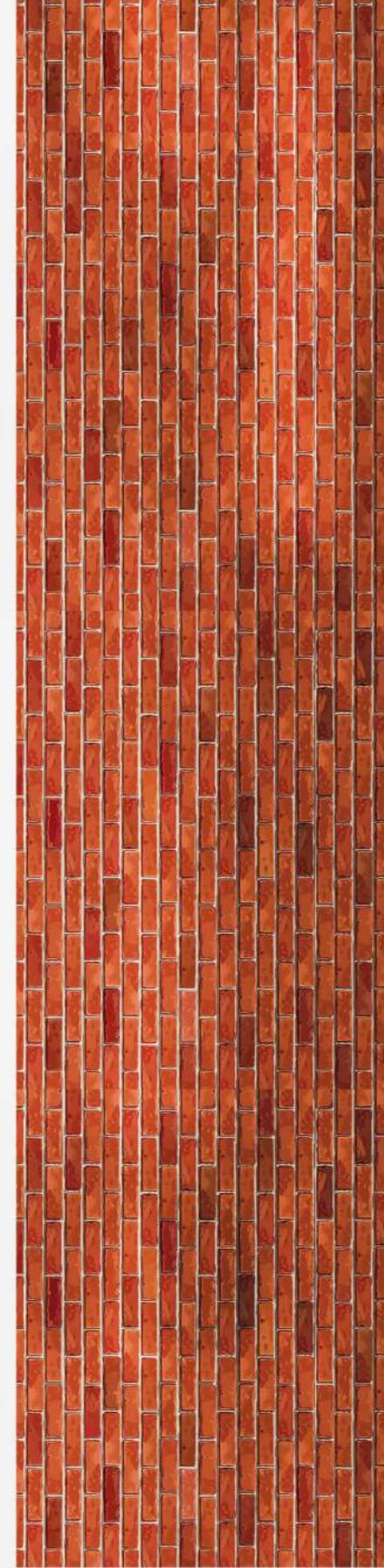
MODULE



ELEVATION



SECTION B-B'



materialstudio

THIS SUDIO FOCUSES ON MATERIAL EXPLORATION AND CONSTRUCTION DETAILS.

DESIGNING A WEEKEND HOUSE

TAKING IN CONSIDERATION OF CONSTRUCTION TECHNOLOGY AND THE DETAILS.

INTRODUCTION TO OUR FIRST LIVE SITE HAVING CONTOUR.

WEEKEND HOME :

PROGRAM:

THIS STUDIO WAS MAINLY FOCUSING ON BASIC MATERIAL UNDERSTANDING.

THE PROGRAM GIVEN TO US WAS TO DESIGN A WEEKEND HOUSE UNDERSTANDING THE BASIC DETAILS OF CONSTRUCTION AND HELP DEVELOP BETTER MATERIAL UNDERSTANDING.

MATERIALS USED:

STONE :

USED AS A PRIMARY SOURCE OF MATERIAL FOR CONSTRUCTION.

RUBBLE MANSORY USING CEMENT MORTAR.

300-350mm IS THE THICKNESS OF THE WALL. THIS WILL GIVE GOOD INSULATION DURING THE COLD WEATHER.

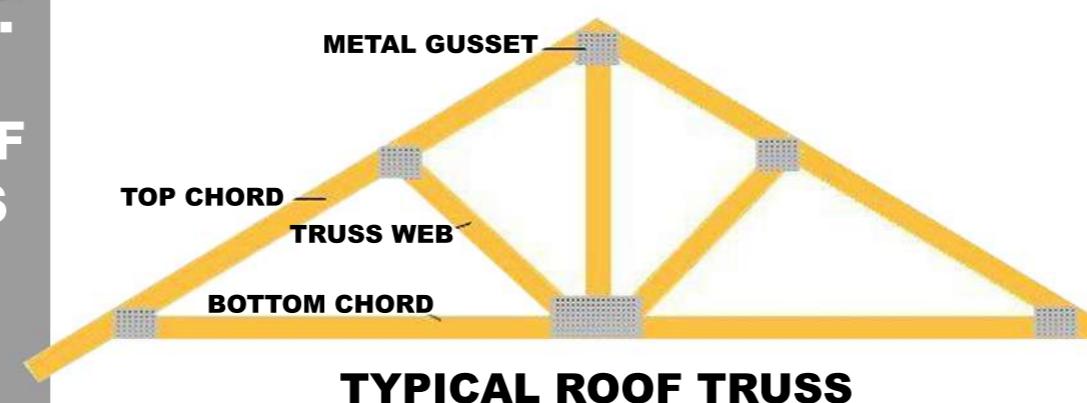
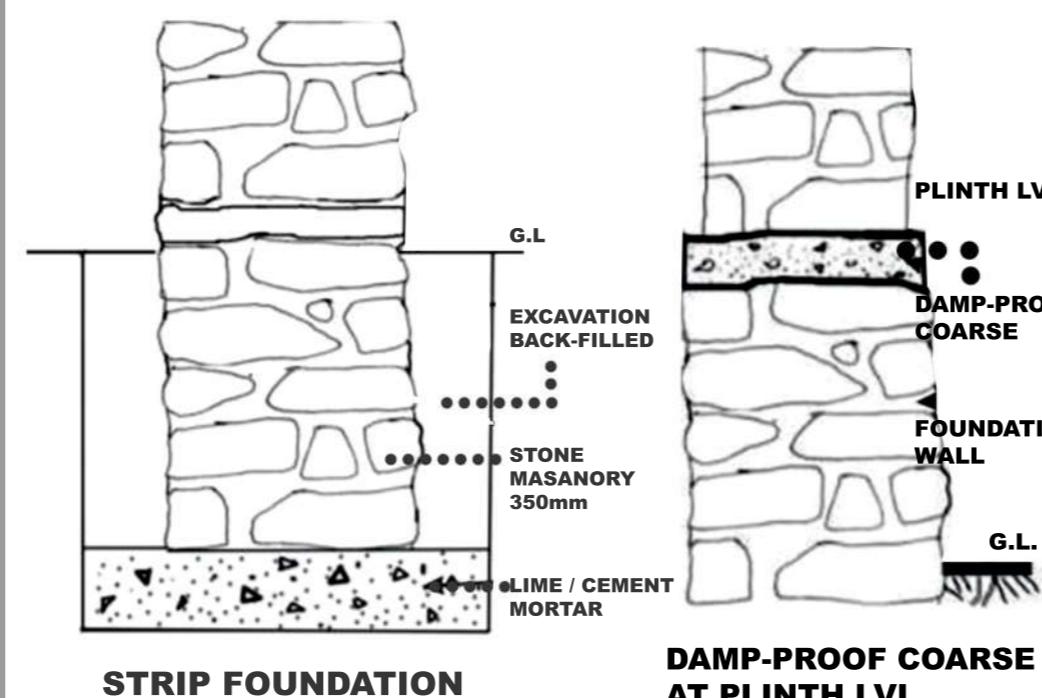
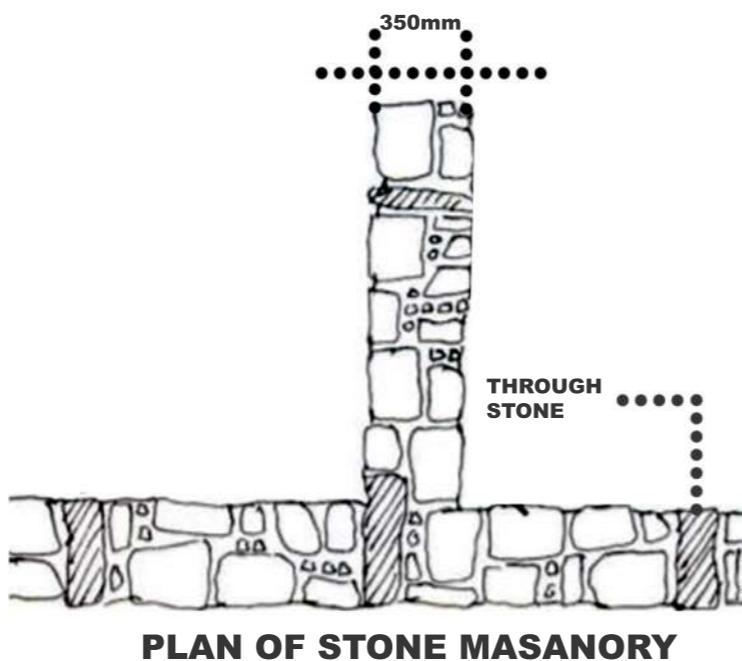
TIMBER:

USED AS SECONDARY MATERIAL SOURCE FOR CONSTRUCTION.

USED AS A ROOFING MATERIAL AND ALSO AS A FLOORING MATERIAL.

IN THIS PROCESS DIFFERENT TYPES OF ROOF TRUSSES WERE TO BE STUDIED ACCORDING TO THEIR SPAN.

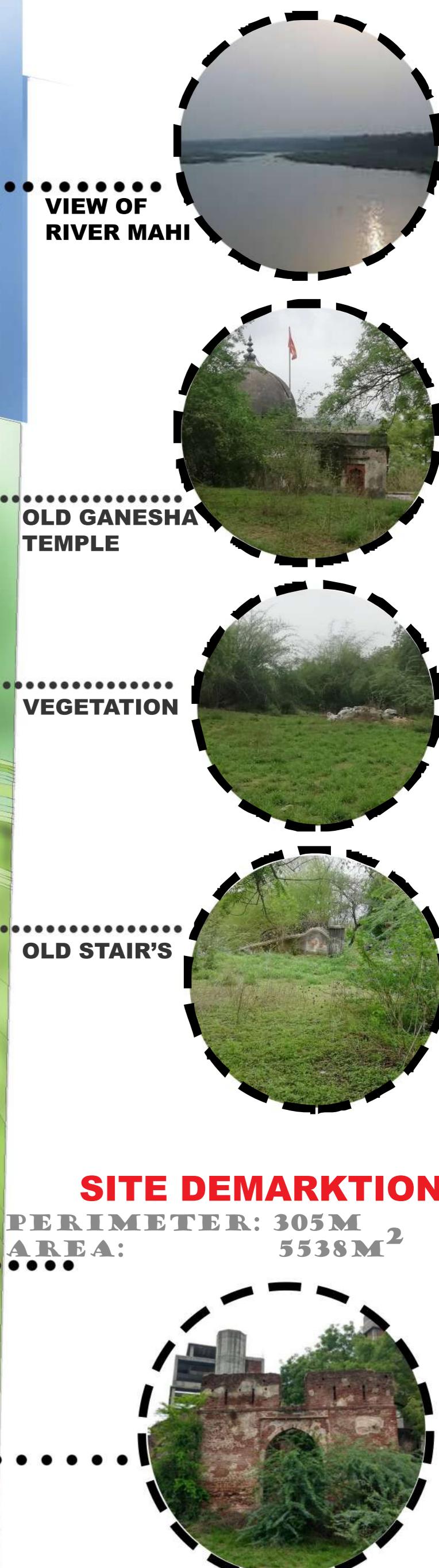
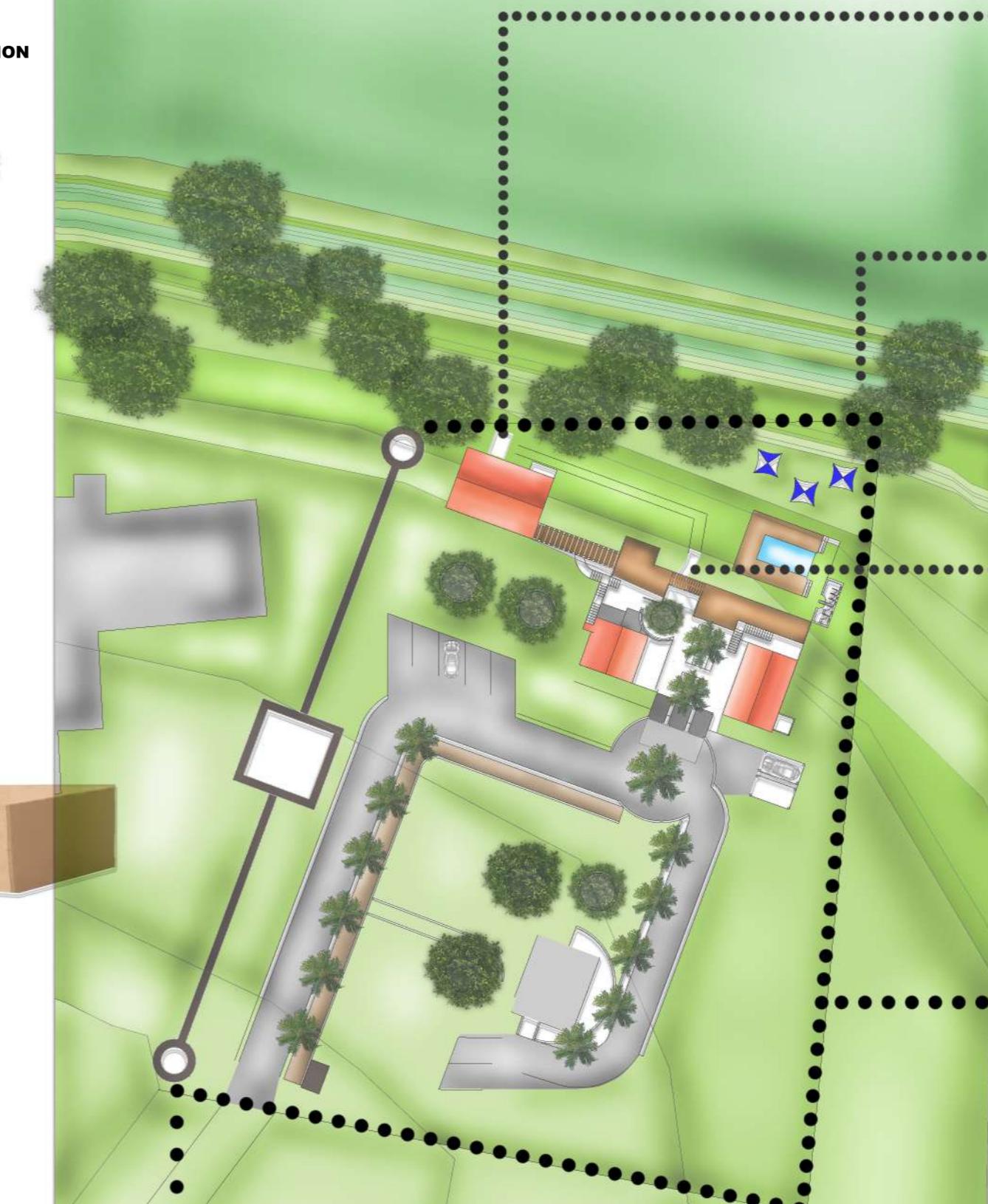
SINCE TIMBER ACTS AS A SOURCE OF SUSTAINABLE ARCHITECTURE AND IS LOCALLY AVAILABLE (TRANSPORTATION AND MATERIAL COST DECREASES)



SITE ANALYSIS

THE SITE IS LOCATED IN JASPUR DISTRICT NEAR BARODA NEAR THE RIVER MAHI.

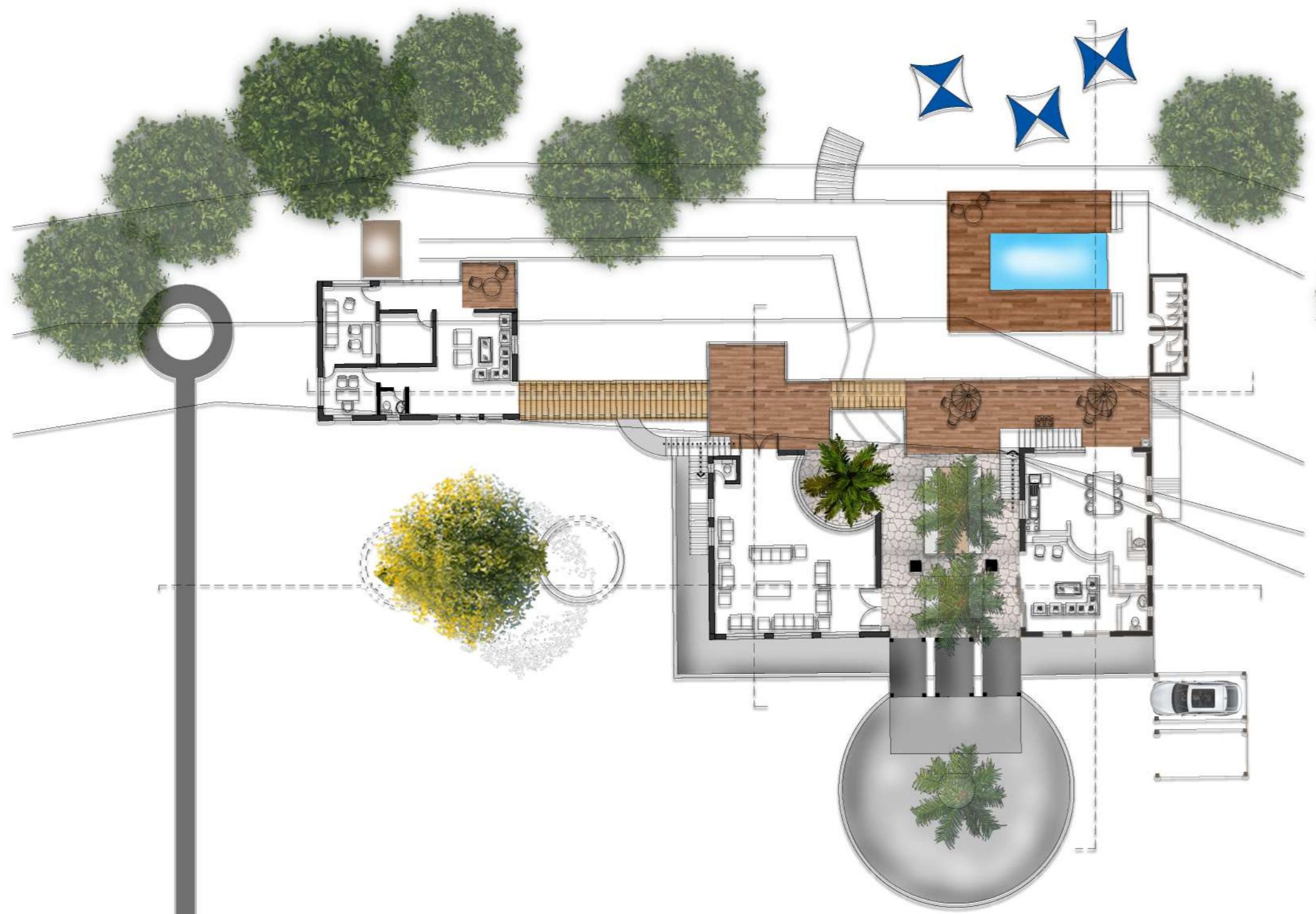
THE SITE HAS NATURAL CONTOUR ON ALL THREE SIDES TOWARDS THE MAHI RIVER AND HAS A DENSE VEGETATION SLOPING DOWNWARDS NEAR THE RIVER MAHI.



SITE DEMARKTION

PERIMETER: 305M
AREA: 5538M²

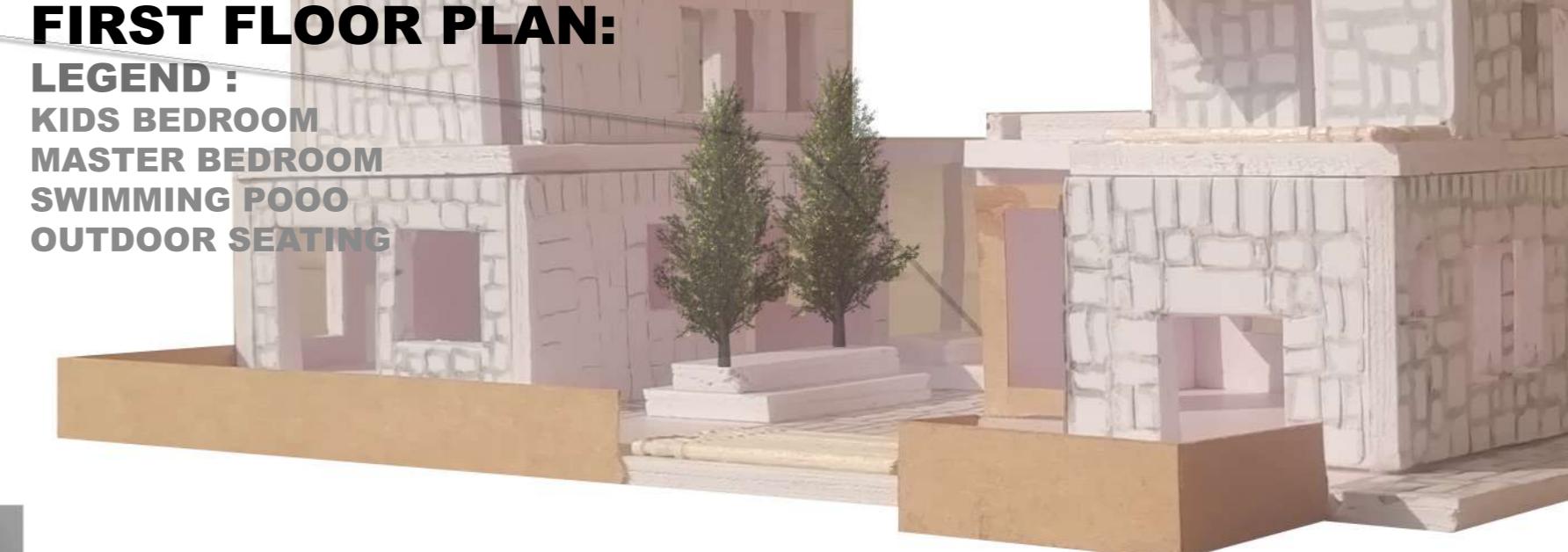
OLD FORT WALL:
THIS WAS AN EXISTING STRUCTURAL ELEMENT PRESENT IN THE SITE.
THIS STRUCTURE WAS BUILT BY MAHARAJA SAIYAJI RAO AND THE MATERIAL USED WAS BRICK AND LIME.

**GROUND FLOOR PLAN:**

LEGEND :
LIVING ROOM
INFORMAL SITTING
DINNING SPACE
KITCHEN
WORKSHOP SPACE :
USER GROUP IS A MUSICIAN

**FIRST FLOOR PLAN:**

LEGEND :
KIDS BEDROOM
MASTER BEDROOM
SWIMMING POOL
OUTDOOR SEATING

**SECTION A-A'****SECTION B-B'**



contextual studio

**THIS STUDIO TAKES PLACE IN KERALA, TRIVANDRUM.
THE STUDY OF AGRAHARAM'S.**

**MEASURING AND DOCUMENTATION PROCESS AND THEN IT'S
APPLICATION IN OUR OWN DRAWING ACCORDING TO THE PROGRAM
GIVEN.**

**STUDYING THE ARRANGEMENT OF THE SETTLEMENTS IN THE
STREET OF VALIYASALAI, TRIVANDRUM.**



AGRAHARAMS:

VALIYSALAI IN TRIVANDRUM IS ONE OF THE LONGEST AGRAHARAMS IN KERALA. THE NAME ORIGINATES FROM THE FACT THAT THE AGRAHARAMS HAVE LINES OF HOUSES ON EITHER SIDE OF THE ROAD AND THE TEMPLE IS SITUATED AT THE CENTRE.

AGRAHARAMS WERE STARTED IN SOUTH INDIA DURING THE PALLAVA PERIOD SINCE



SITE MARKING

8 DIFFERENT HOUSES WERE TO BE DESIGNED AND RE-DEVELOPED KEEPING IN MIND THE PRINCIPLES OF AGRAHARAMS.

3 USER GROUP WERE TO BE GIVEN :

- BRAHMIN HOUSE
- PROFESSIONAL HOUSE
- COMMERCIAL (SHOPKEEPER'S) HOUSE



PARAPET LVL.
ROOFING MATERIAL USED
MANGALORE TILES

FIRST FLOOR LVL.
THIS IS THE PLACE FOR THE KOTIL (HALL)

PLINTH LVL.
THE HOUSES ARE NAMED AS VYASA
ENTRANCE FROM THE "PURAMTHINA"

VALIYSALAI

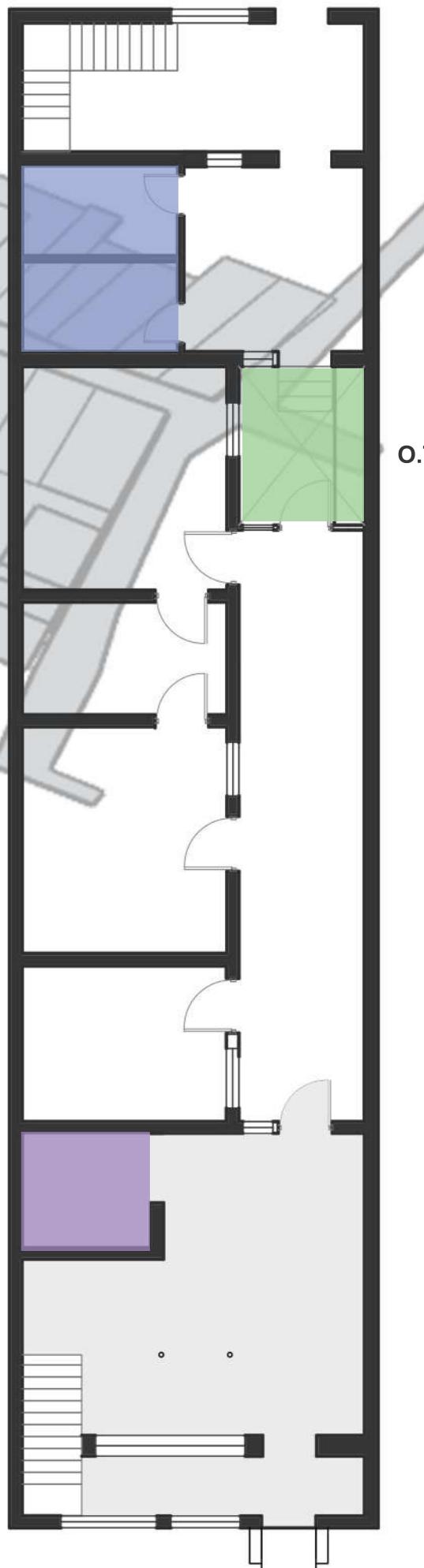
STUDYING VARIOUS HOUSES IN THIS STREET WE CAME ACROSS A SIMILAR PATTERN OF PLANNING.

THE HOUSES ARE DESIGNED ACCORDING TO THE VASTU-SHAstra.

MOST OF THE HOUSES ARE PLANNED IN A LINEAR PATTERN.

A COURTYARD IS PRESENT IN THE HOUSE AT IT SERVES AS A VENTILATION PURPOSE AND ALSO TO PLACE THE THULASI PLANT.

EACH OF THE HOUSES ARE DIVIDED AS G+1



SITE DEMARKATION

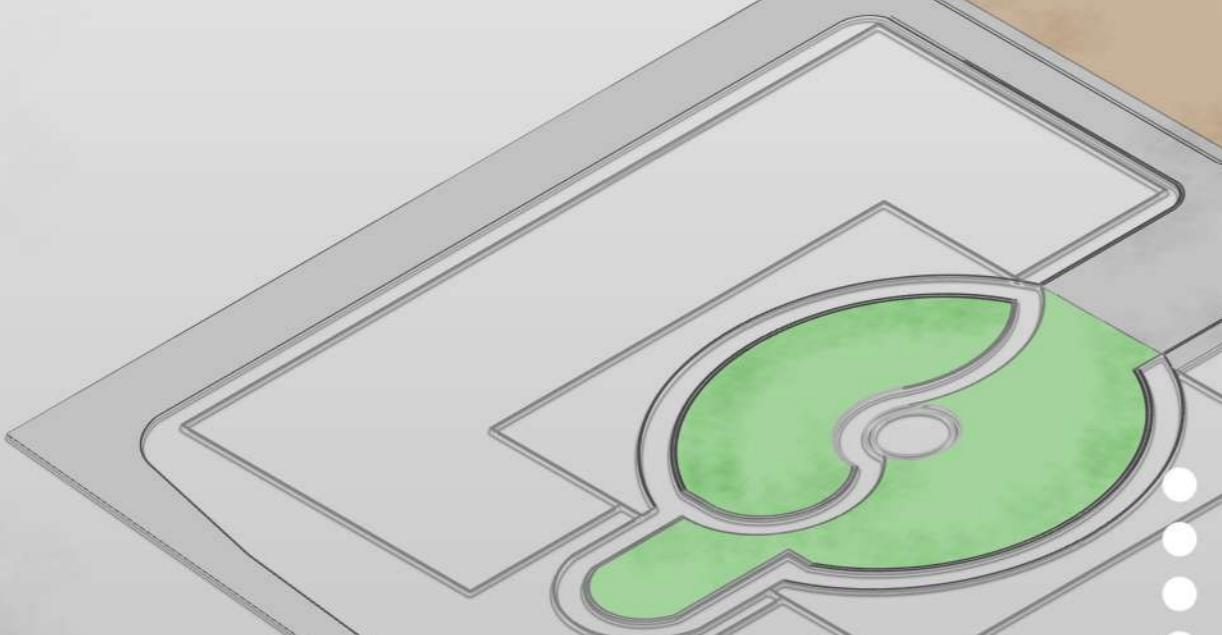
EIGHT HOUSES WERE TO BE CONSTRUCTED USING 3 MAJOR USER GROUP

- 1-COMMERCIAL HOUSE (SHOPKEEPER'S HOUSE)
- 2-BRAHMIN HOUSE
- 3-PROFESSIONAL HOUSE

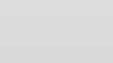
THE HOUSES WERE ARRANGED AND CONSTRUCTED AROUND THE EXISTING GANESHA TEMPLE.



TOP VIEW OF COMMERCIAL HOUSE



TOP VIEW OF GARDEN AREA



COMMERCIAL HOUSE :

THE USER GROUP OF THIS HOUSE IS A SHOPKEEPER .
 THE SHOP AND THE MAIN RESIDENCE ARE INTER-CONNECTED
 THE HOUSE CONSIST OF A COURTYARD AND A OPEN DINNING
 SPACE.
 THE HOUSE FOLLOWS A LINEAR PATTERN OF DESIGN AS THE
 HOUSES OF THE AGRAHARAM'S.
 THE PRIMARY MATERIAL USED FOR CONSTRUCTION IS BRICK
 AND MANGLORE TILES ARE USED AS ROOFING MATERIAL.



GROUND FLOOR PLAN

SCALE: 1:100

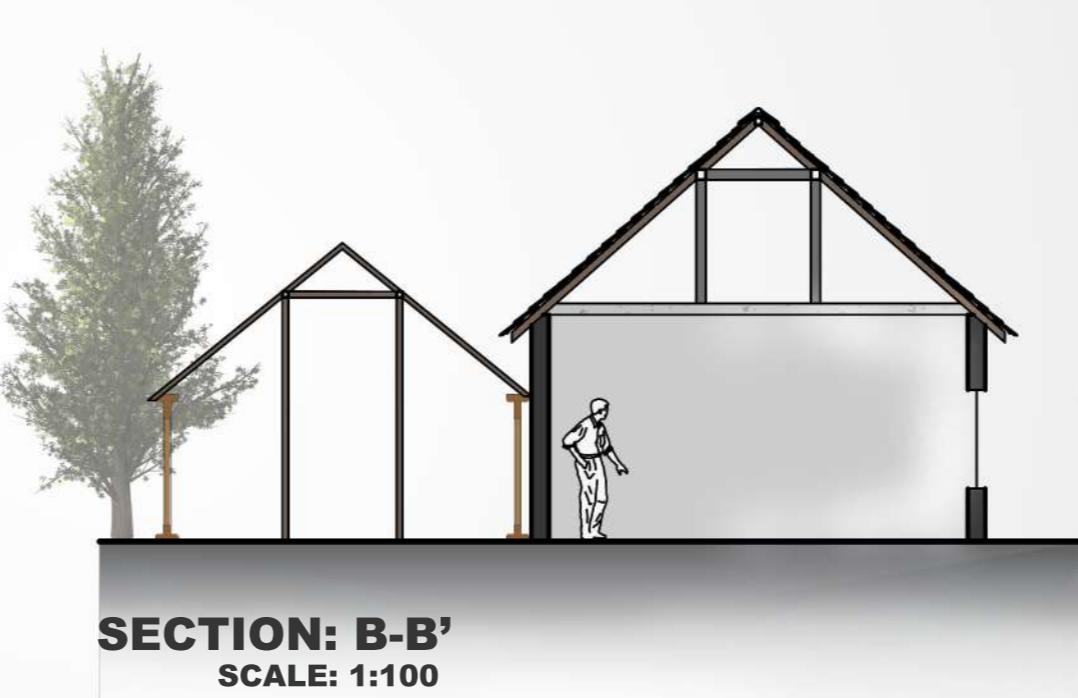


FIRST FLOOR PLAN

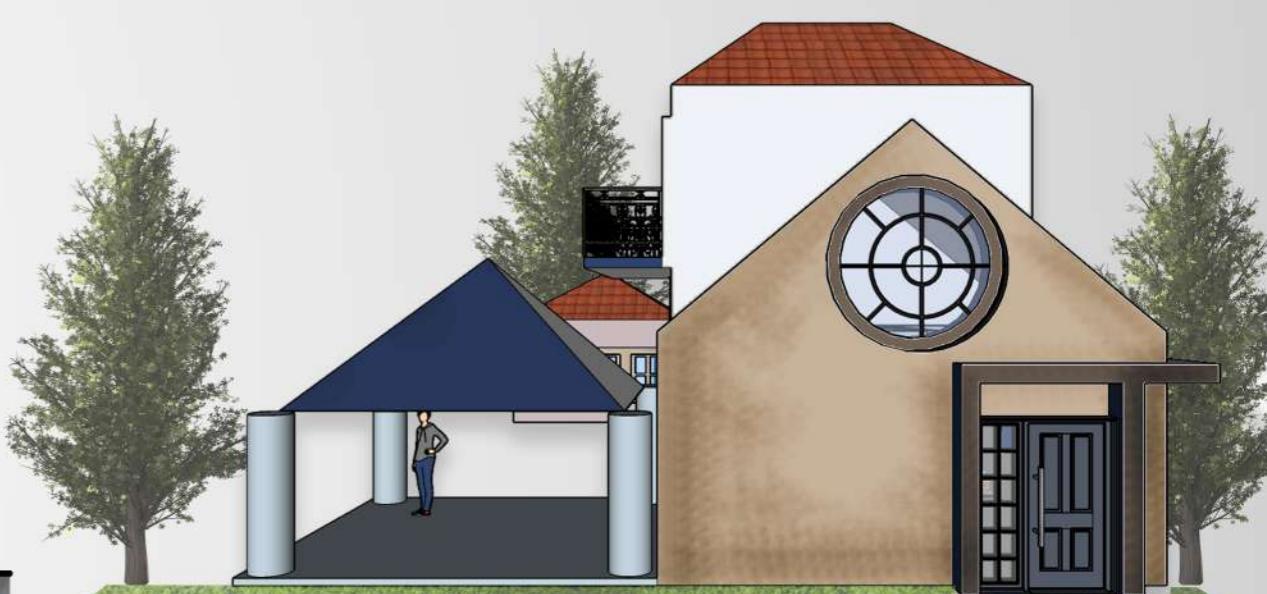
SCALE: 1:100



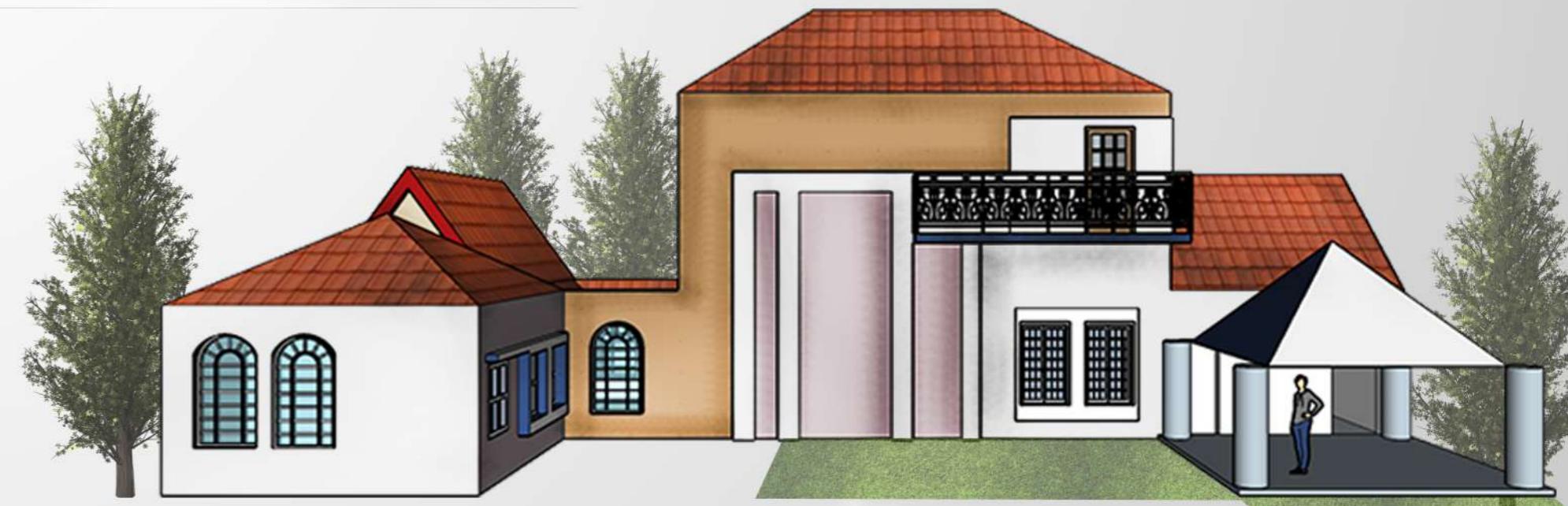
SECTION : A-A'
 SCALE: 1:100



SECTION: B-B'
 SCALE: 1:100



FRONT ELEVATION



SIDE ELEVATION



BRAHMIN HOUSE :

THIS IS A 2BHK HOUSE WITH A OPEN COURTYARD AND AN OUTDOOR DINNING.

THIS BRAHMIN HOUSE CONSIST OF A KOTIL (HALL) ON THE FIRST FLOOR.

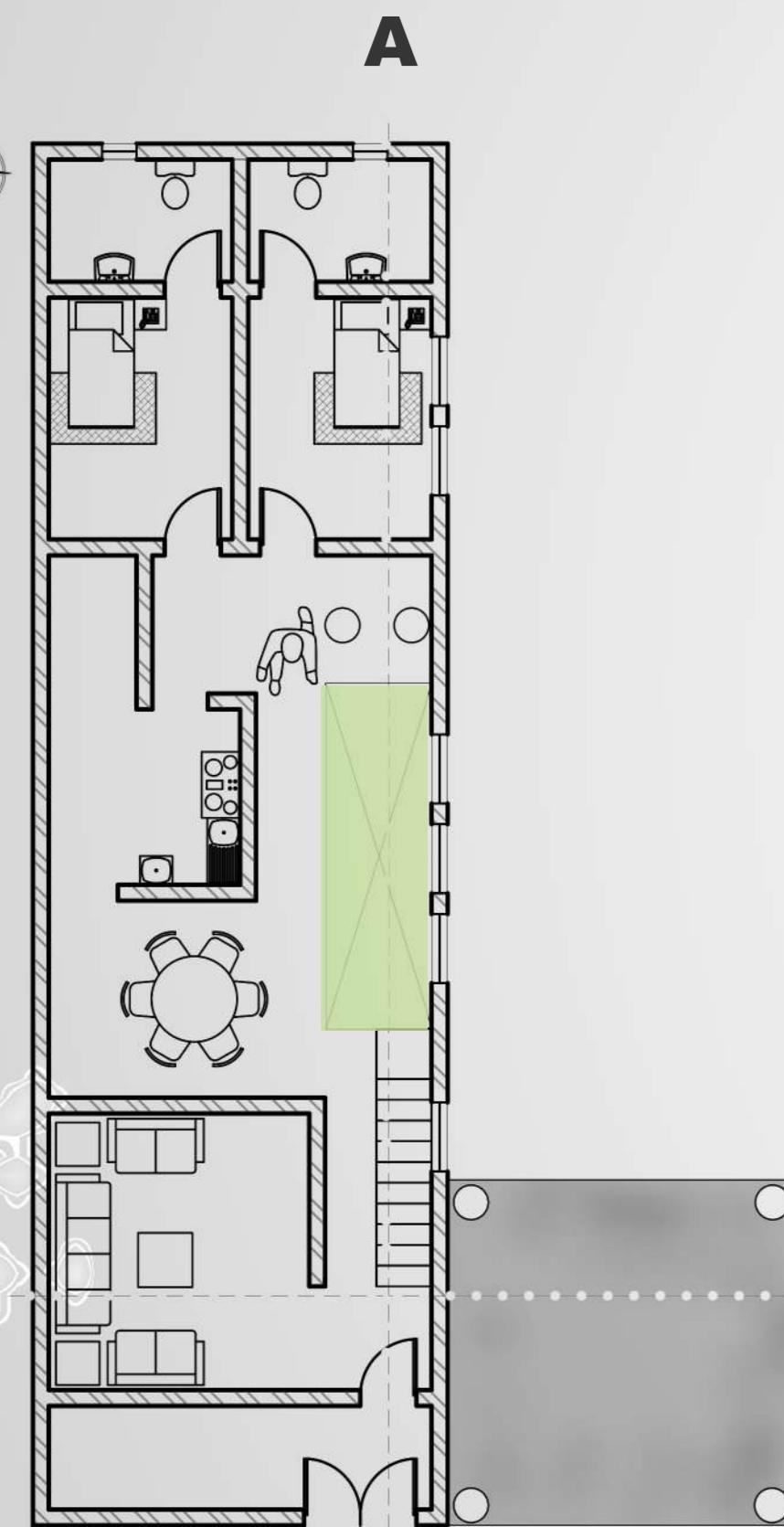
THIS HOUSE IS NOT INTERCONNECTED WITH THE SHOP. (SHOP ACTS AS A INDIVIDUAL UNIT)

THE PRIMARY MATERAIL USED FOR CONSTRUCTION IS BRICK AND THE ROOFING MATERIAL IS MANGLORE TILES.



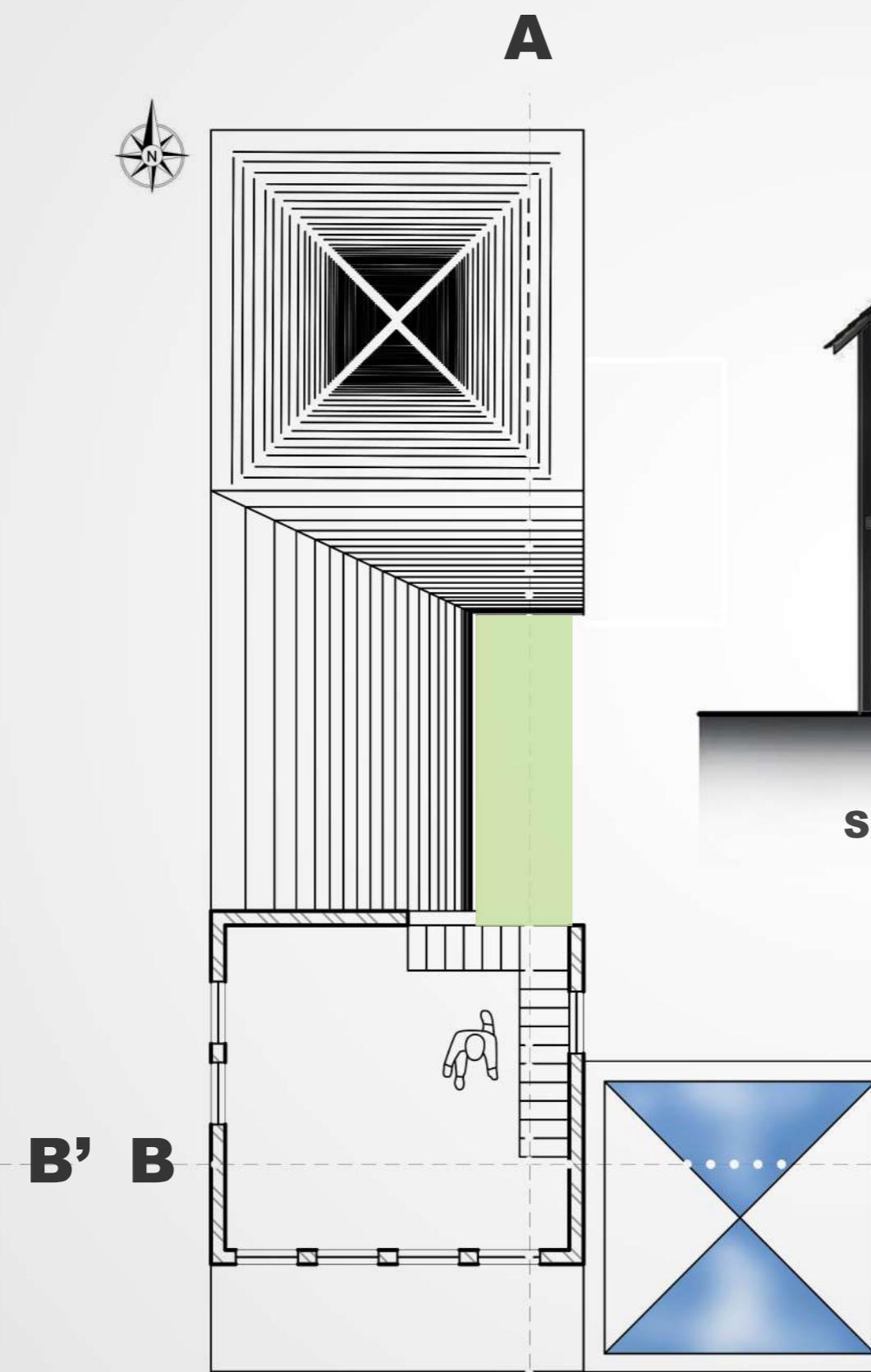
SECTION A-A'

SCALE : 1:100



GROUND FLOOR PLAN

SCALE : 1:100



FIRST FLOOR PLAN

SCALE : 1:100



SECTION B-B'

SCALE: 1:100



NORTH ELEVATION



EAST ELEVATION

PROFESSIONAL HOUSE

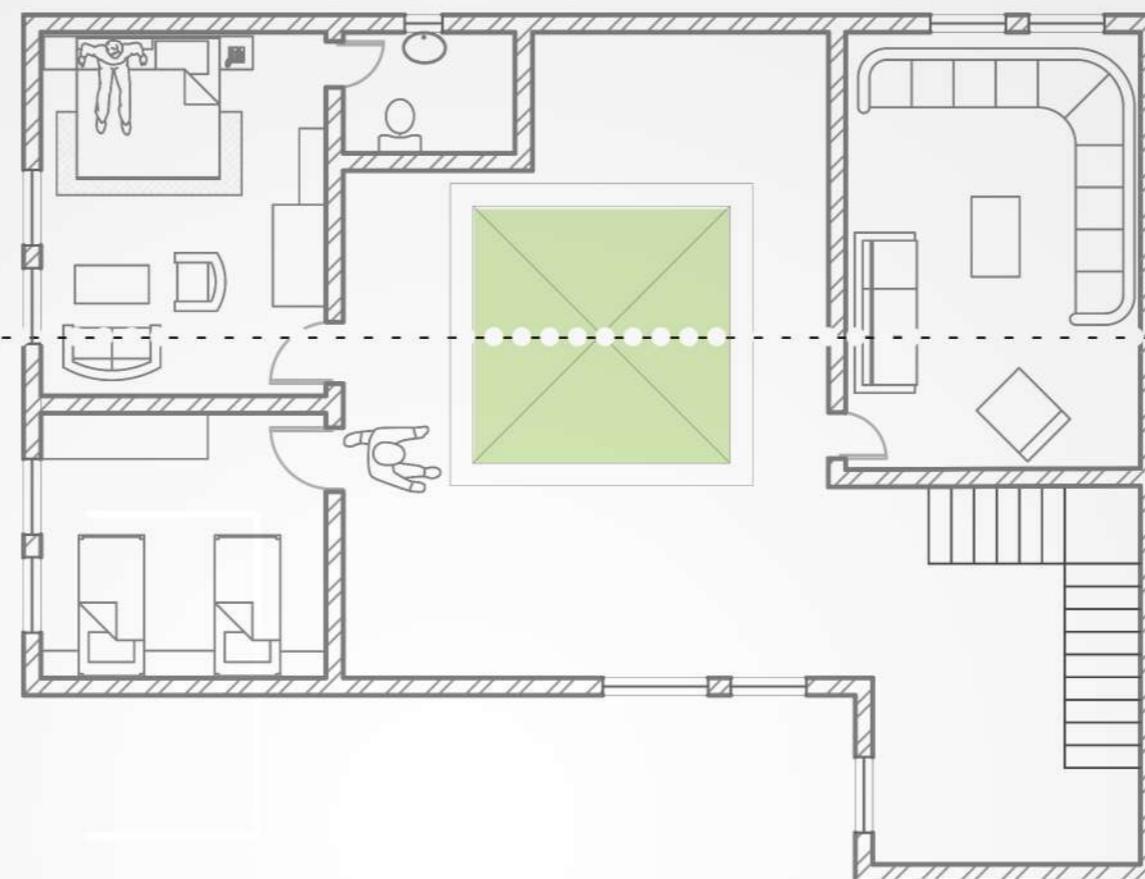
THE USER GROUP OF THIS HOUSE COULD BE OF ANY PROFESSION,
i.e, GOVERNMENT SERVANT
ENGINEER
TRADER / BUSINESS MAN ETC.

THIS HOUSE CONSIST OF A CENTRAL COURTYARD, INCLUDING AN OPEN KITCHEN AND DINNING SPACE.

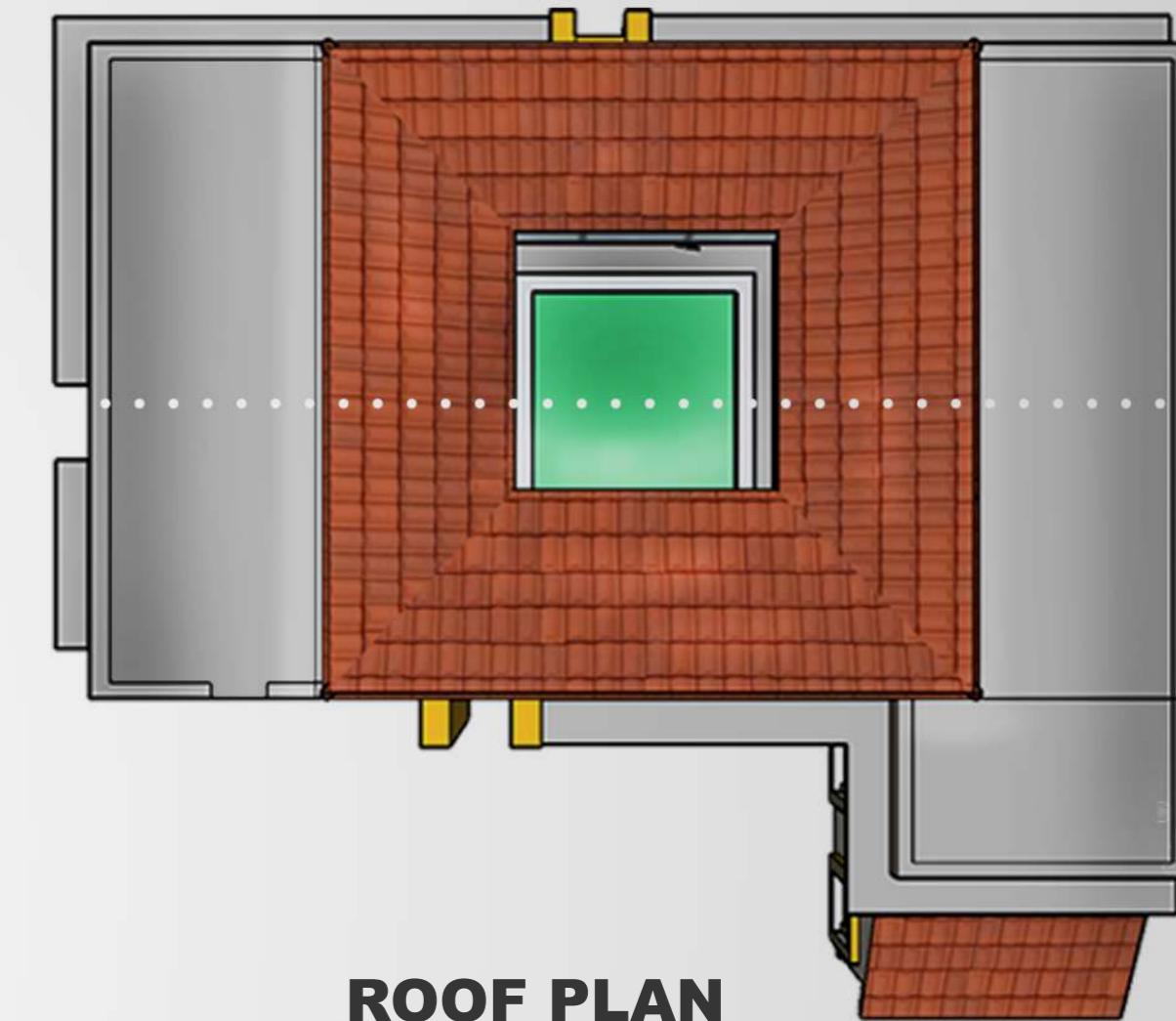
THIS CENTRAL COURTYARD WOULD CREATE A GOOD CIRCULATION SPACE AROUND THE HOUSE.



GROUND FLOOR PLAN



FIRST FLOOR PLAN



ROOF PLAN

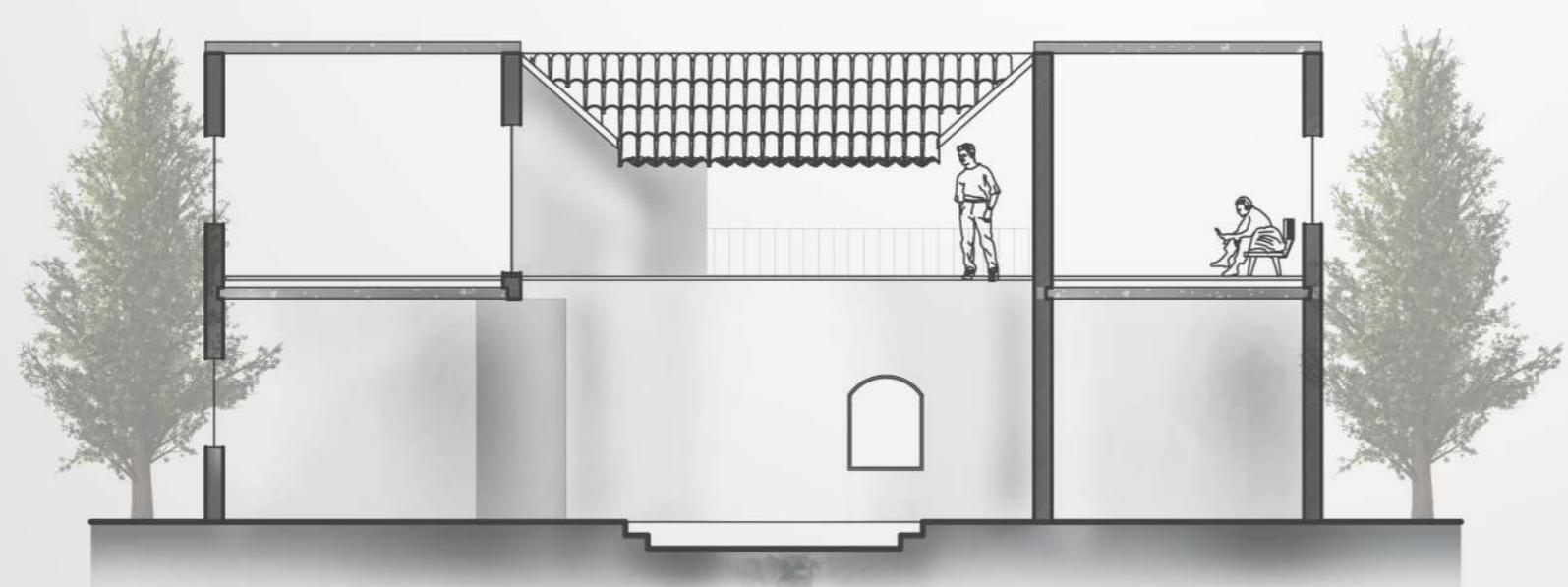
THE SECTION IS CUT ALONG
THE CENTRAL COURTYARD.

PLAYS A MAJOR ROLE IN
DAYLIGHTING AND
VENTILATION.

CAN ALSO ACT AS A MEDIUM
OF AESTHETIC VALUE.

PROVIDES GOOD
CIRCULATION SPACE IN AND
AROUND THE HOUSE.

ROOFING MATERIAL USED IS
MANGALORE TILES.



SECTION A-A'



NORTH ELEVATION

institutional studio

THIS STUDIO FOCUSES ON THE WORKING OF AN A LARGE SCALE INSTITUTION.

THE BRIEF WAS TO DESIGN A HOTEL MANAGEMENT INSTITUTE INCLUDING A HOSTEL FOR BOYS AND GIRLS.

THE GIVEN SITE WAS PRESENT IN VADODARA NEAR THE VISHWAMITRI RIVER.

HOTEL MANAGEMENT INSTITUTE:

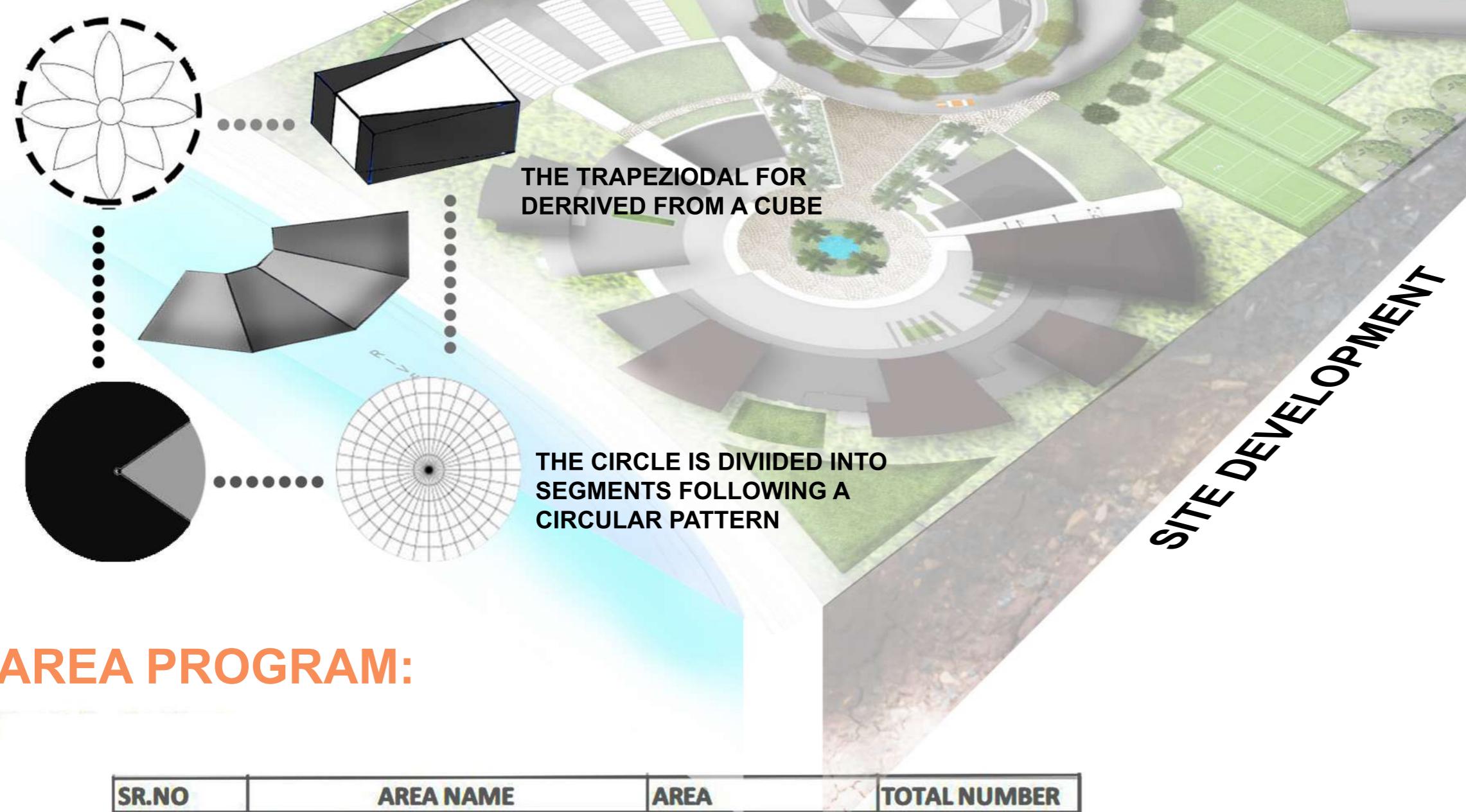
PROGRAM:

THE BRIEF WAS TO DESIGN A HOTEL MANAGEMENT INSTITUTE LOCATED NEAR BANKS OF THE VISHWAMITRI RIVER.

OUR MAIN PROGRAM WAS TO UNDERSTAND THE WORKING OF THE HOTEL MANAGEMENT INSTITUTE.

AN AREA PROGRAM WAS MADE TO UNDERSTAND THE WORKING OF OUR DESIGN.

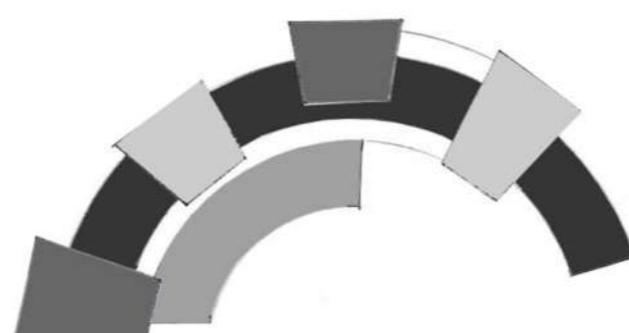
CONCEPT:



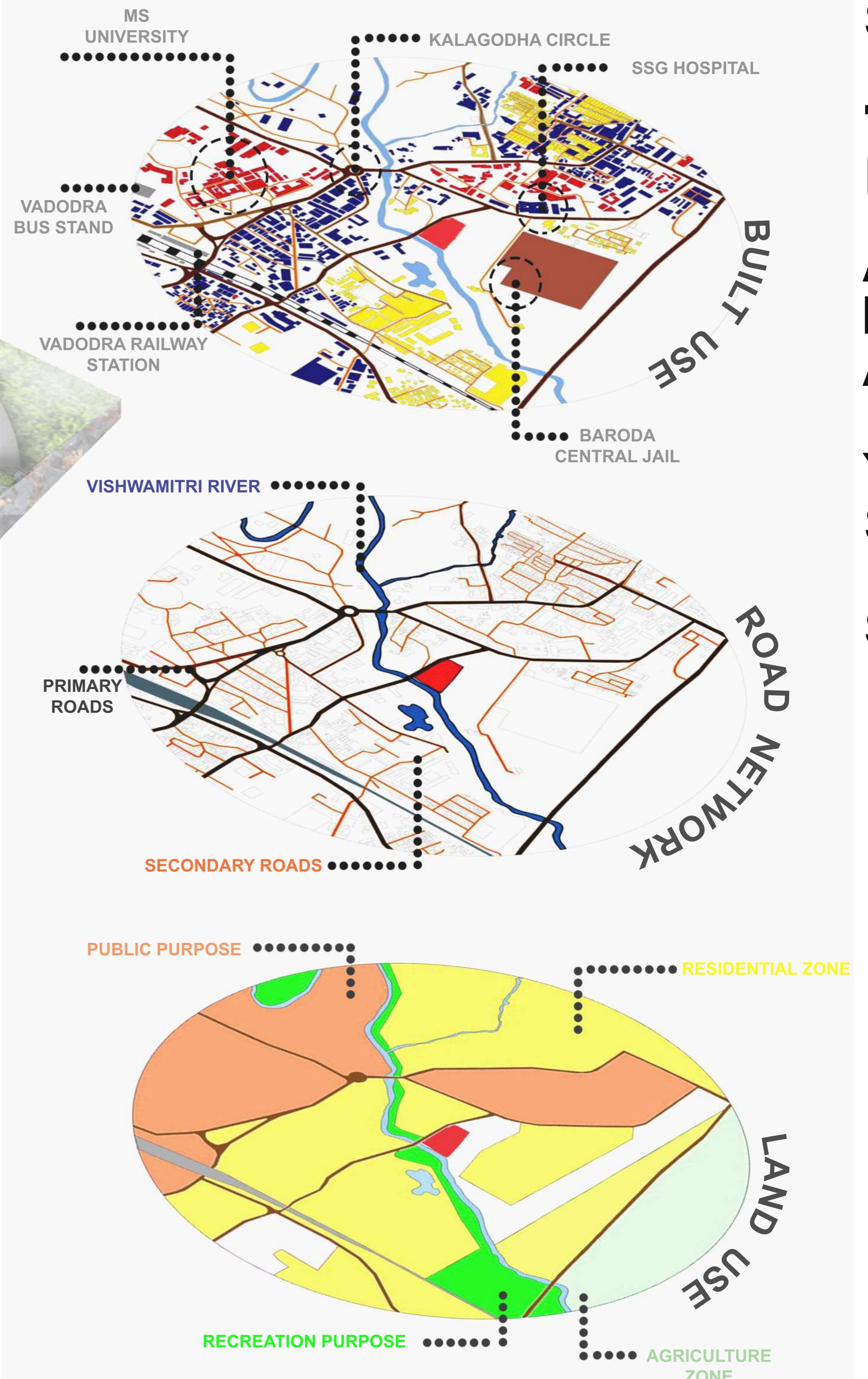
AREA PROGRAM:

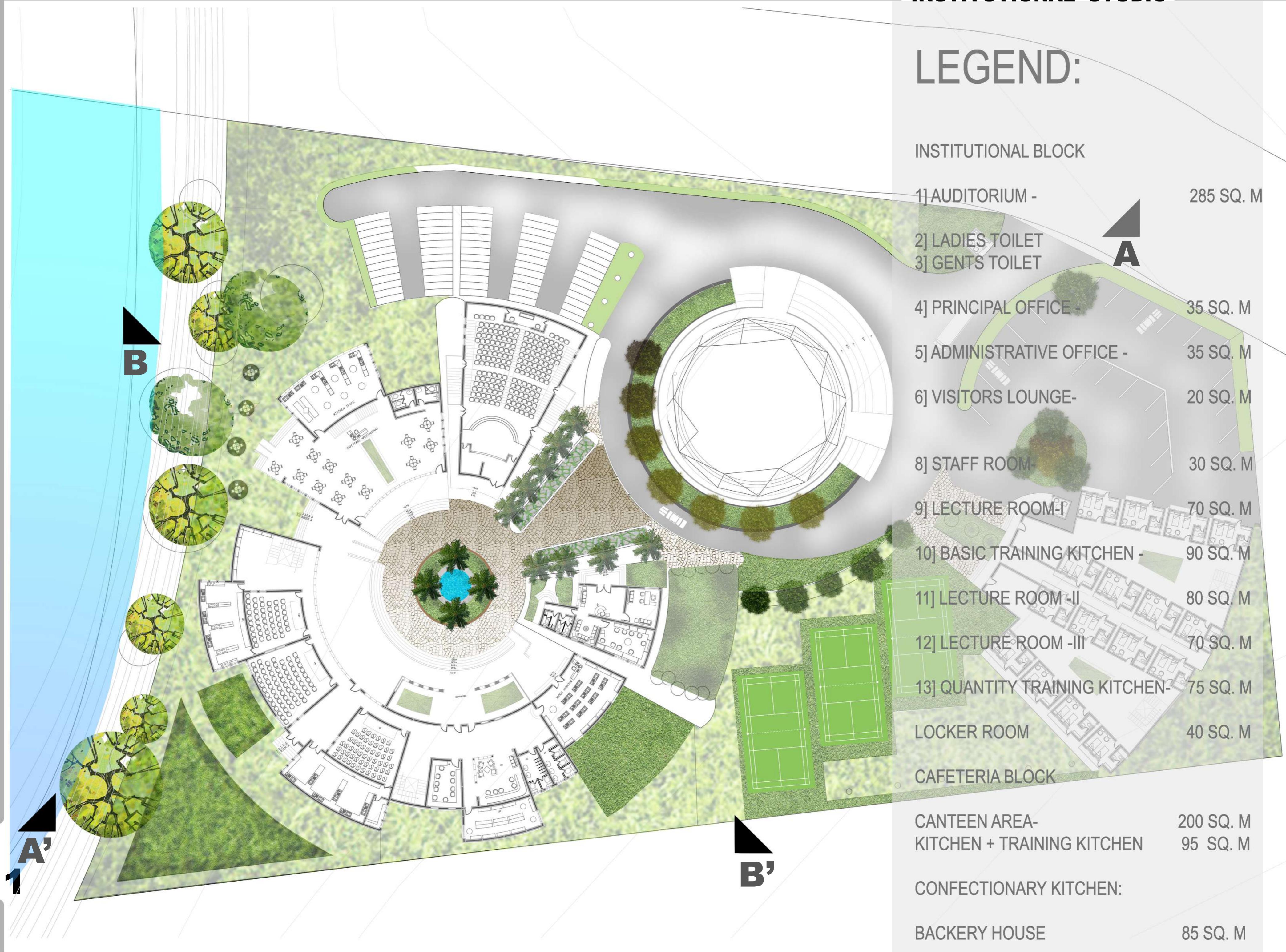
SR.NO	AREA NAME	AREA	TOTAL NUMBER
1	BASIC TRAINING KITCHEN	95 SQ.M	1
2	QUANTITY TRAINING KITCHEN	95 SQ.M	1
3	ADVANCE TRAINING KITCHEN	115 SQ.M	1
4	LARDER	30 SQ.M	1
5	BAKERY AND CONFECTIONAL AREA	90 SQM	1
6	PRE-WASH AREA	65 SQ.M	1

SR.NO	AREA NAME	AREA	TOTAL NUMBER
1	FRONT OFFICE LAB	55 SQ.M	1
2	COMPUTER LAB	120 SQ.M	2
3	LIBRARY AND RESOURCE CENTRE	150 SQ.M	1
4	CLASSROOMS: LARGE (INTAKE 60)	340 SQ.M	5
5	CLASSROOMS : MEDIUM (INTAKE 40)	190 SQ.M	4
6	MULTIPURPOSE HALL	280 SQ.M	1
7	COMMITTEE ROOM	55 SQ.M	1



THIS TYPE OF VARIATION WAS CREATED USING A FORM OF ARC AND TRAPEZOIDAL SHAPES.





LEGEND:

ACADEMIC BLOCK:

1] AUDITORIUM-

285 SQ. M

2] LADIES TOILET
3] GENTS TOILET

14] COMPUTER ROOM-

120 SQ. M

15] LECTURE ROOM IV-

70 SQ. M

16] ADVANCE TRAINING KITCHEN-

75 SQ. M

18] LADIES TOILET

19] GENTS TOILET

20] LECTURE ROOM V-

55 SQ. M

21] LIBRARY AND RESOURCE AREA-

145 SQ. M

22] STAFF ROOM-

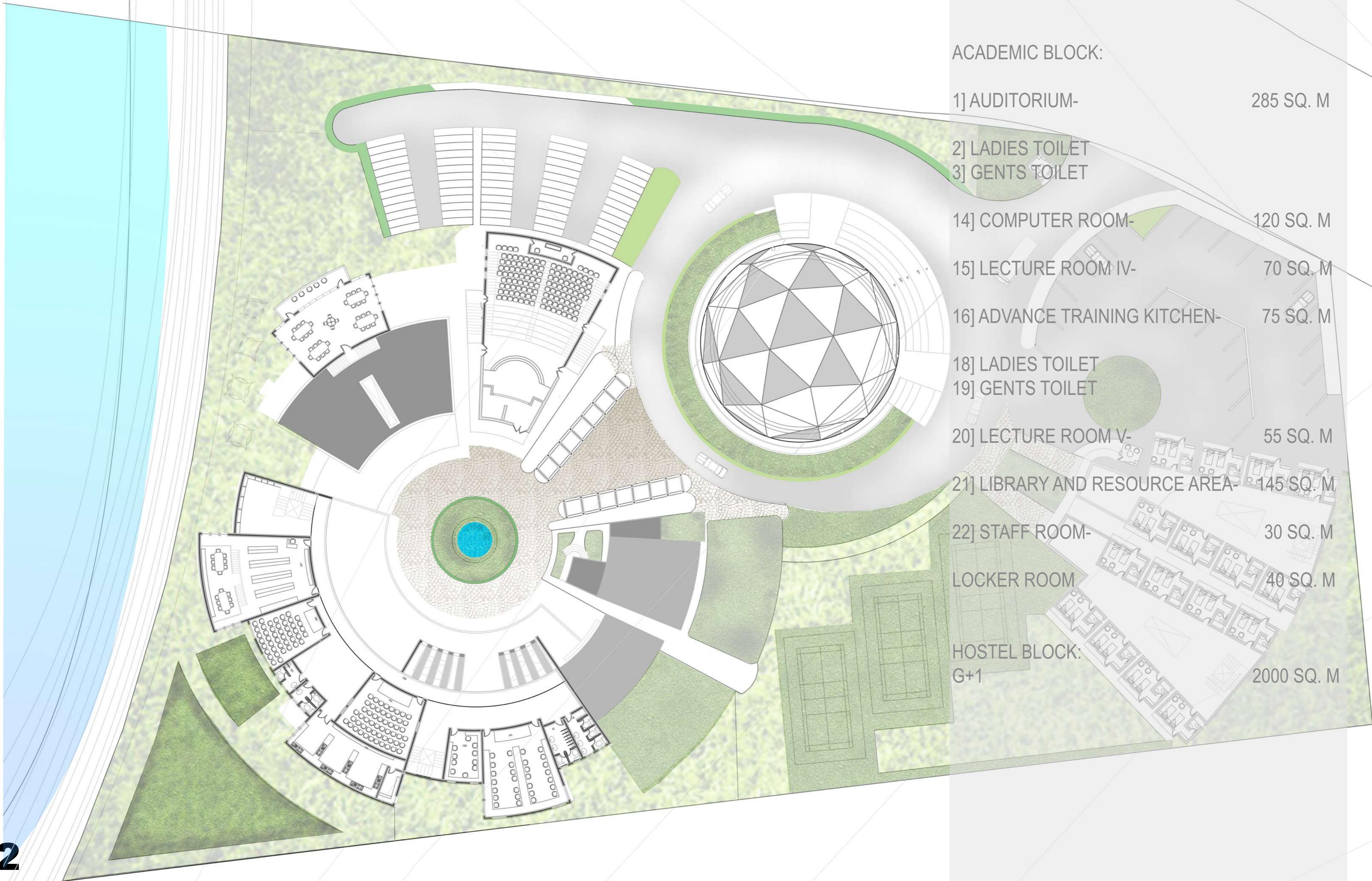
30 SQ. M

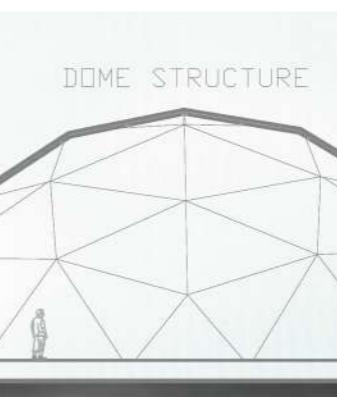
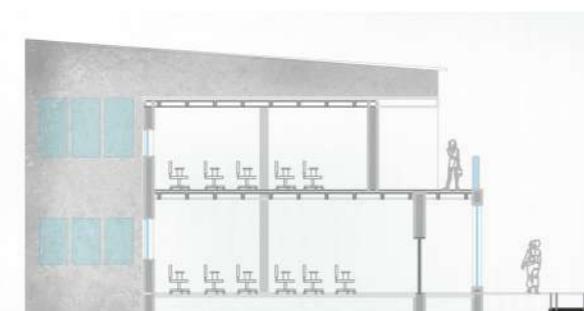
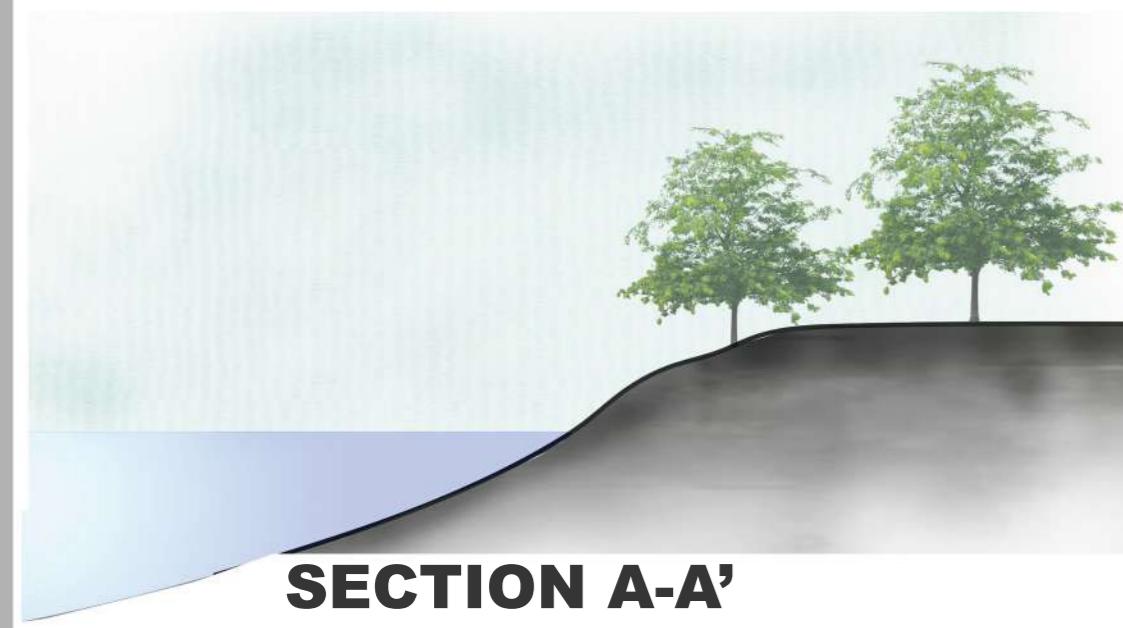
LOCKER ROOM

40 SQ. M

HOSTEL BLOCK:
G+1

2000 SQ. M





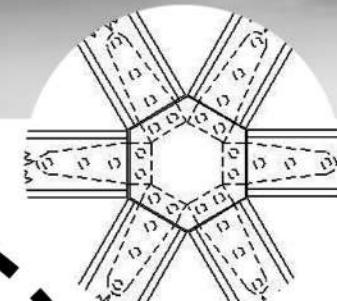
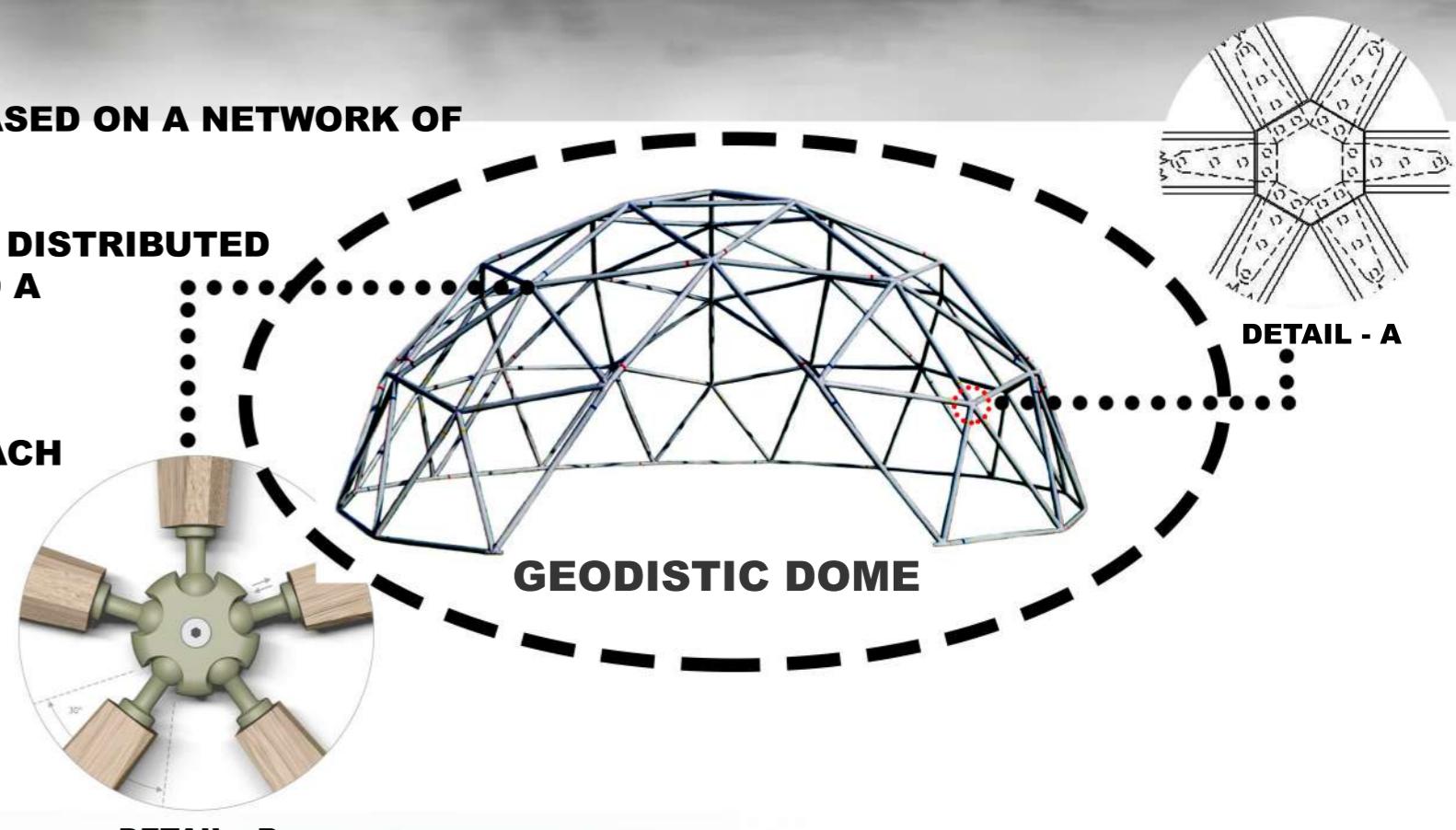
SECTION A-A'



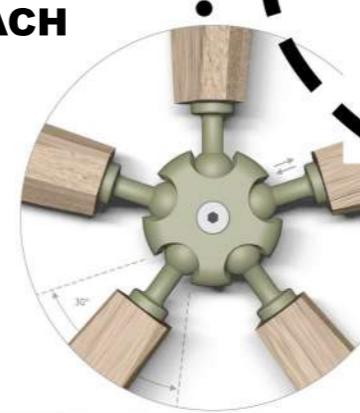
THESE ARE EFFICIENT STRUCTURES, BASED ON A NETWORK OF TRIANGLES (VERY STABLE SHAPES)

THE STRUCTURAL STRESS AND LOAD IS DISTRIBUTED EVENLY MAKING IT A VERY STABLE AND A STRONG STRUCTURE.

MATERIALS USED IN CONSTRUCTION :
TIMBER, STEEL, PLASTIC (PVC PIPES) EACH OF THEM ARE CONNECTED TO NODAL JOINTS.



DETAIL - A



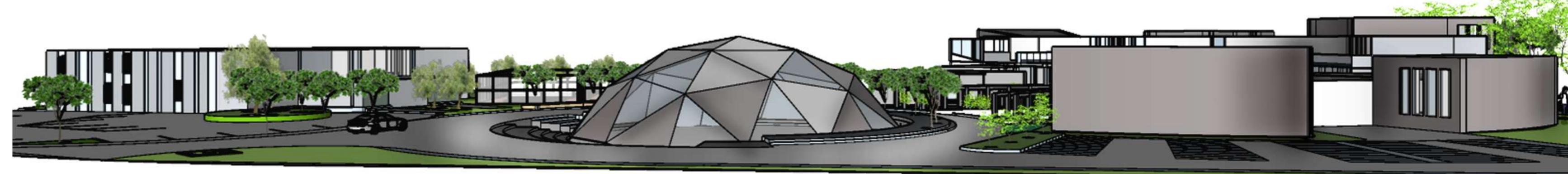
DETAIL - B

CAFETERIA:

AN OUTDOOR CAFETERIA SEATING ARRANGEMENT TO GET THE VIEW OF THE RIVER



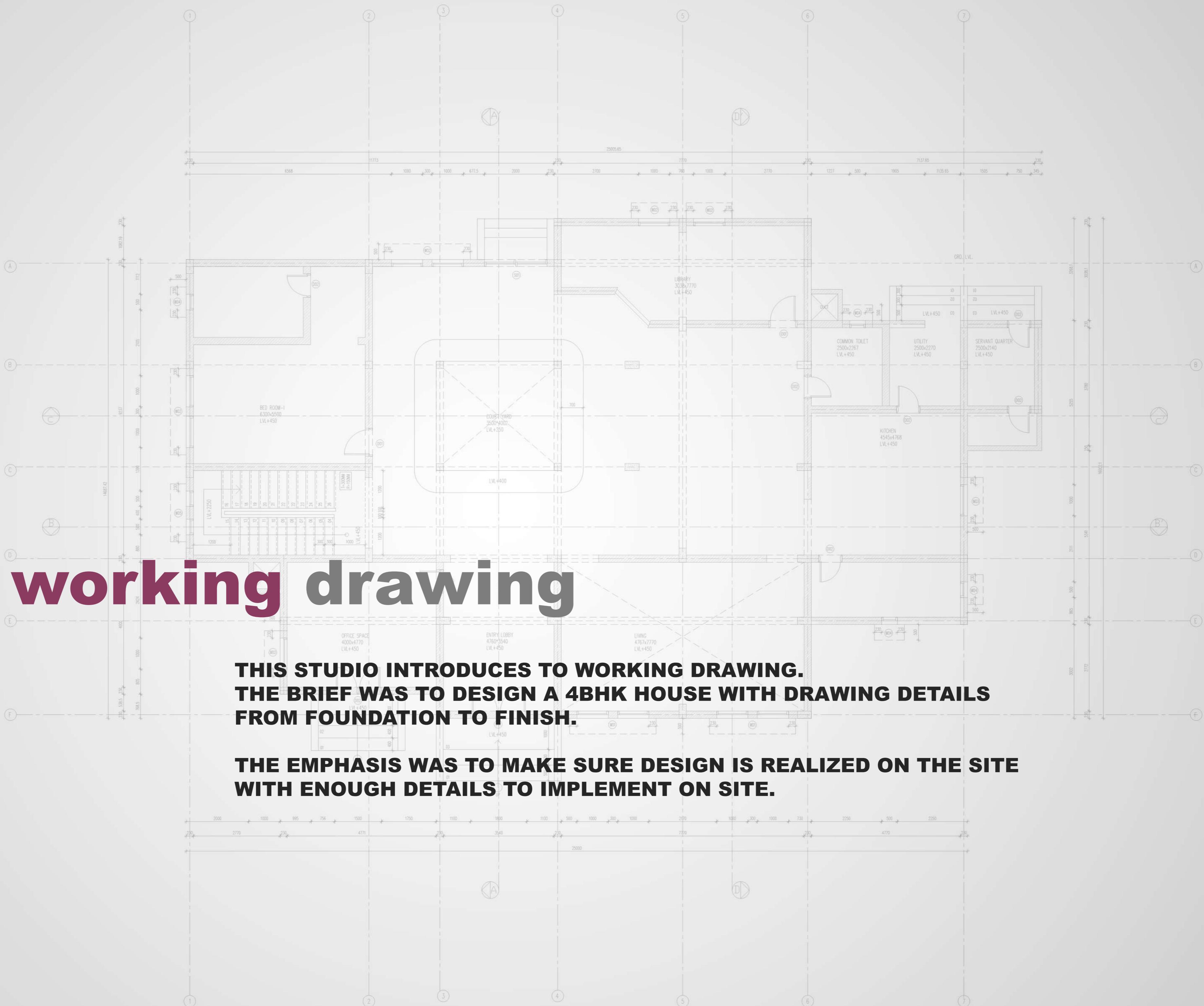
SECTION B-B'



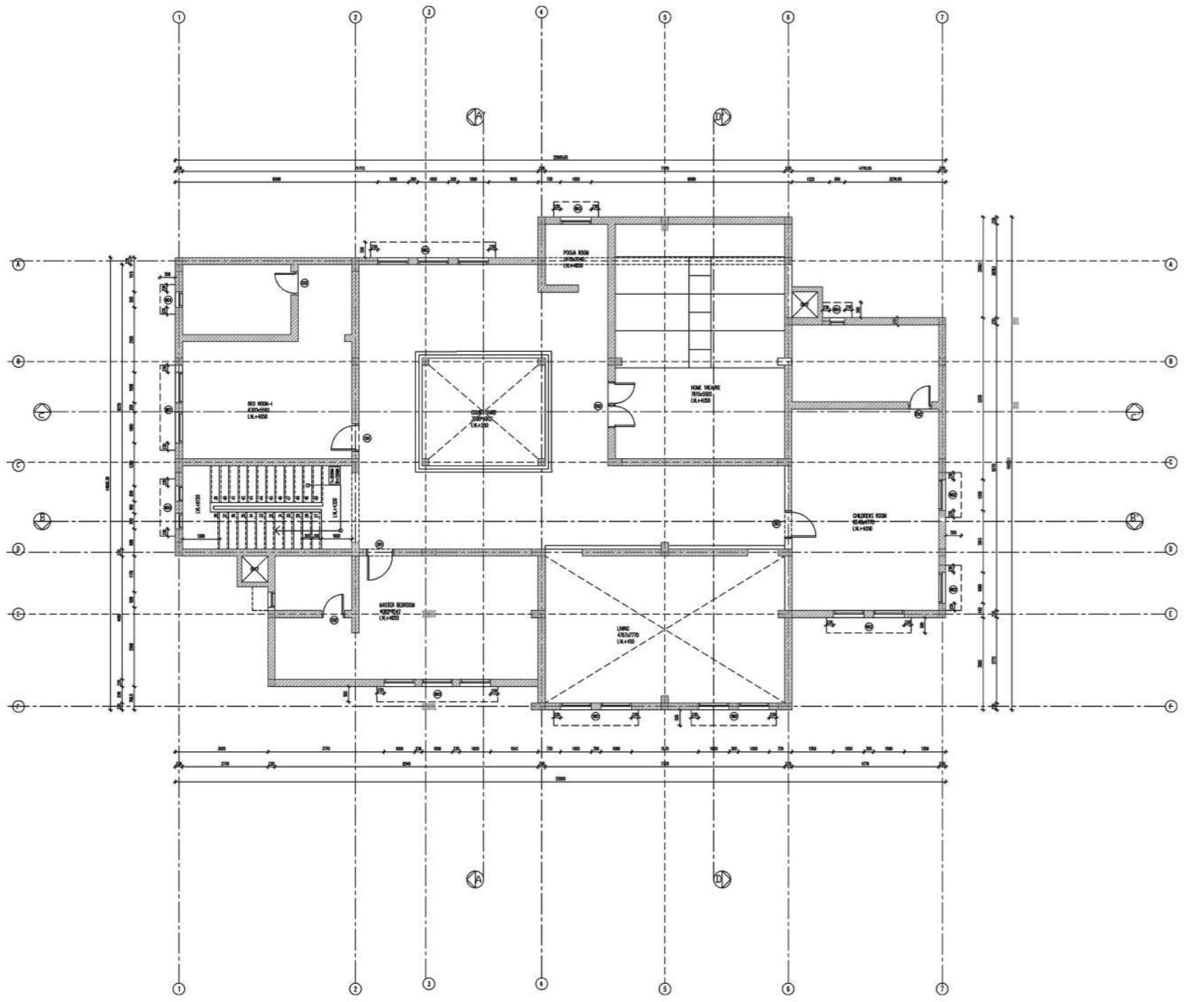
ELEVATION



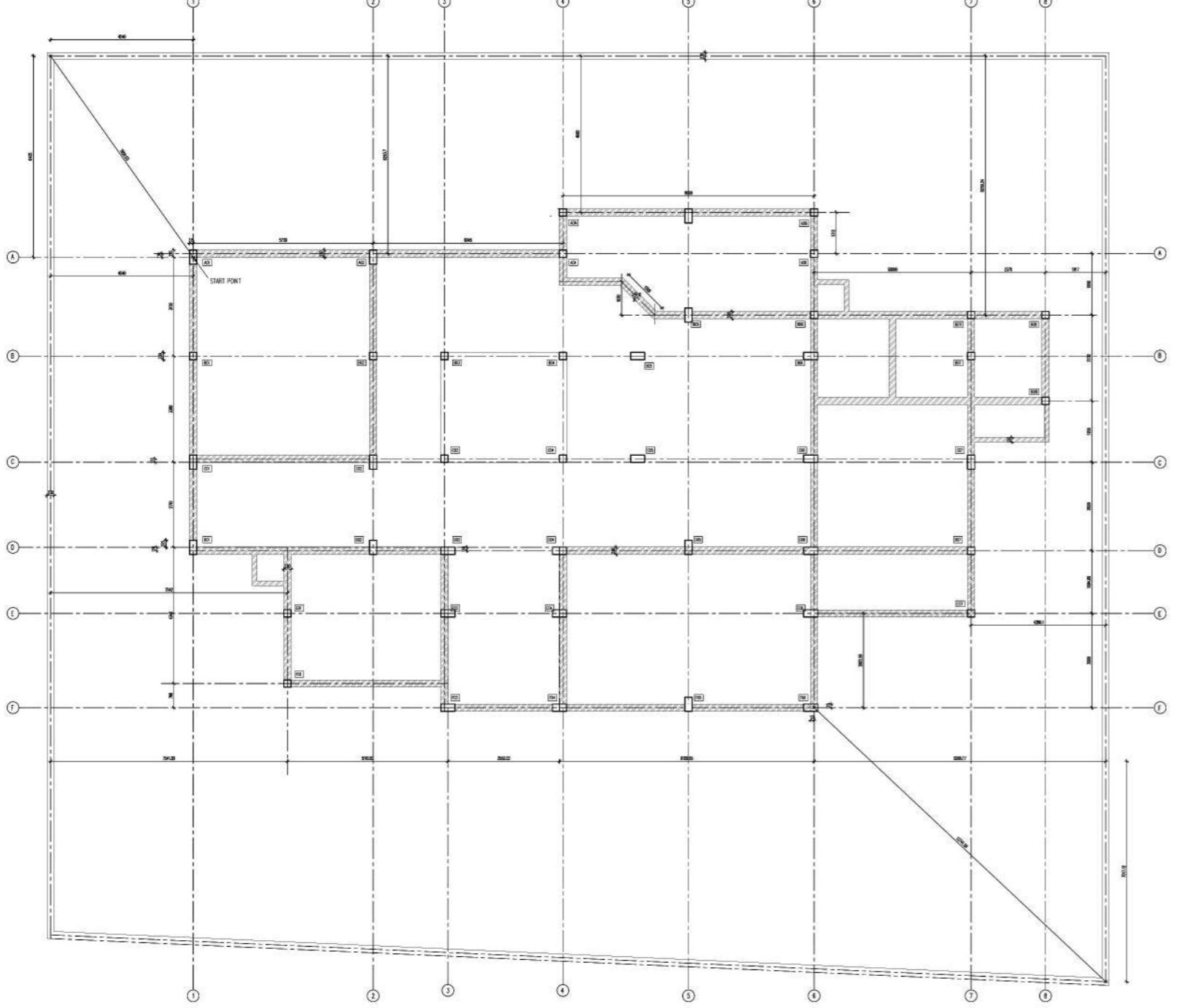
VIEW'S



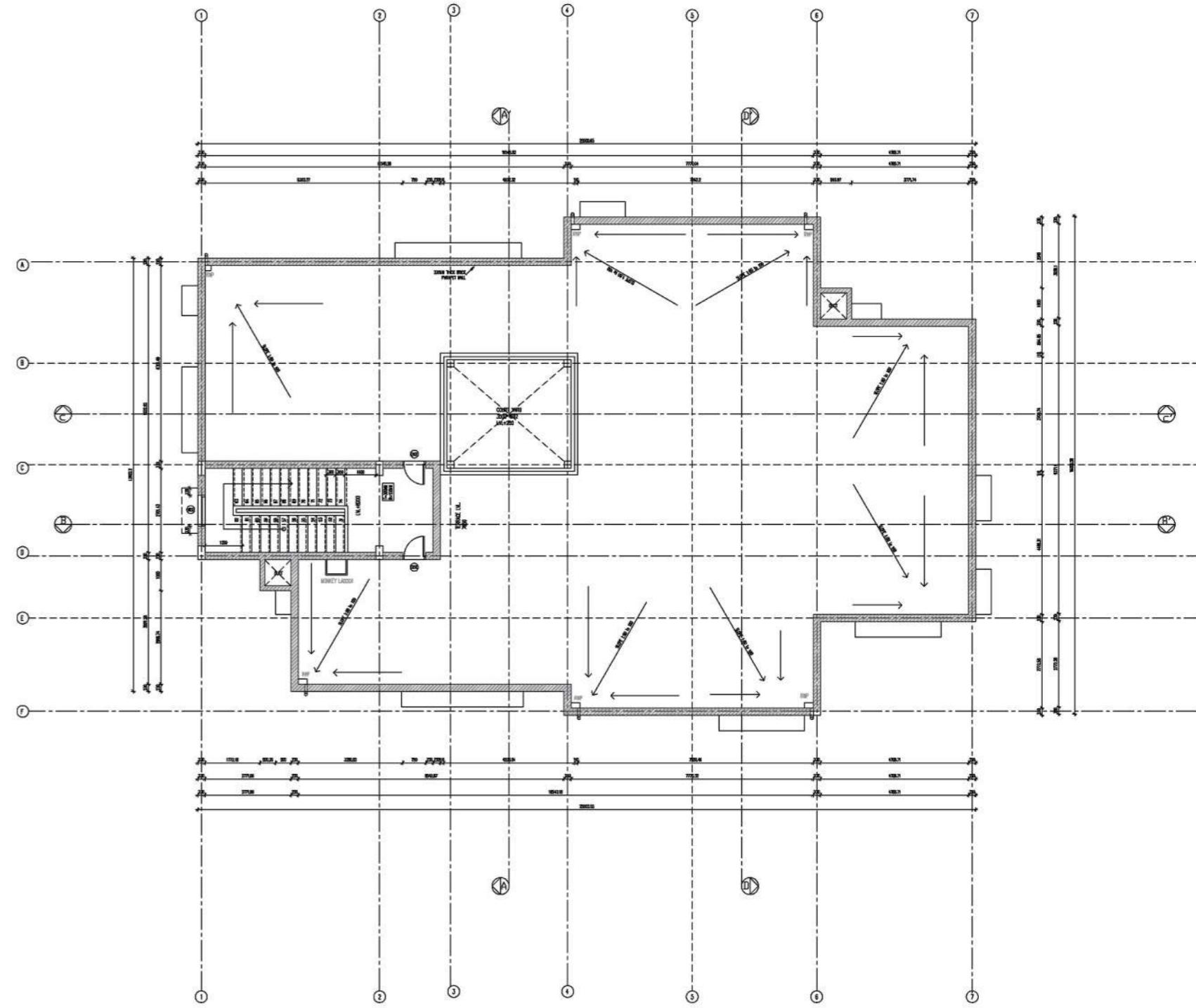
FIRST FLOOR PLAN



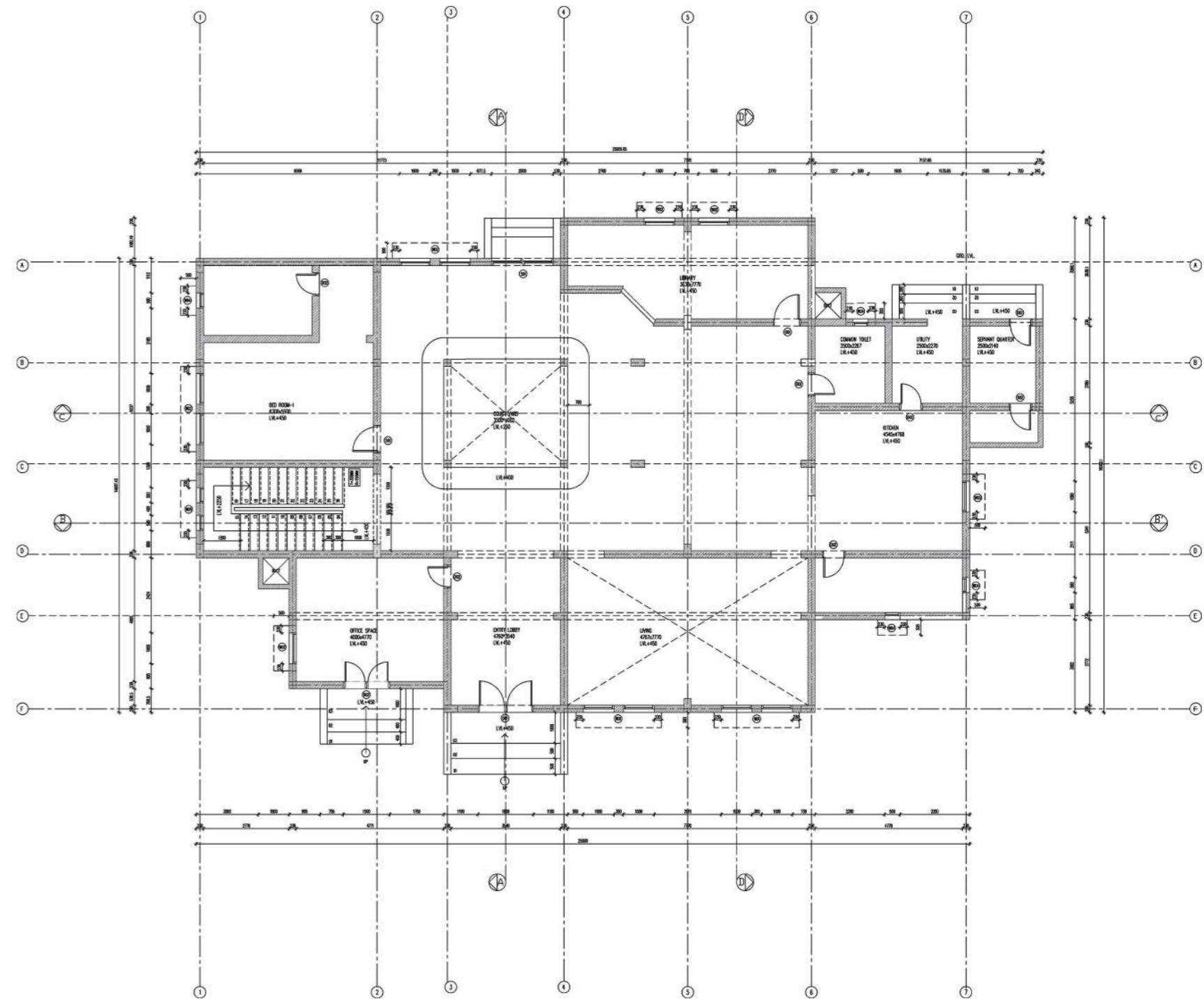
CENTRE LINE PLAN



TERACE FLOOR PLAN

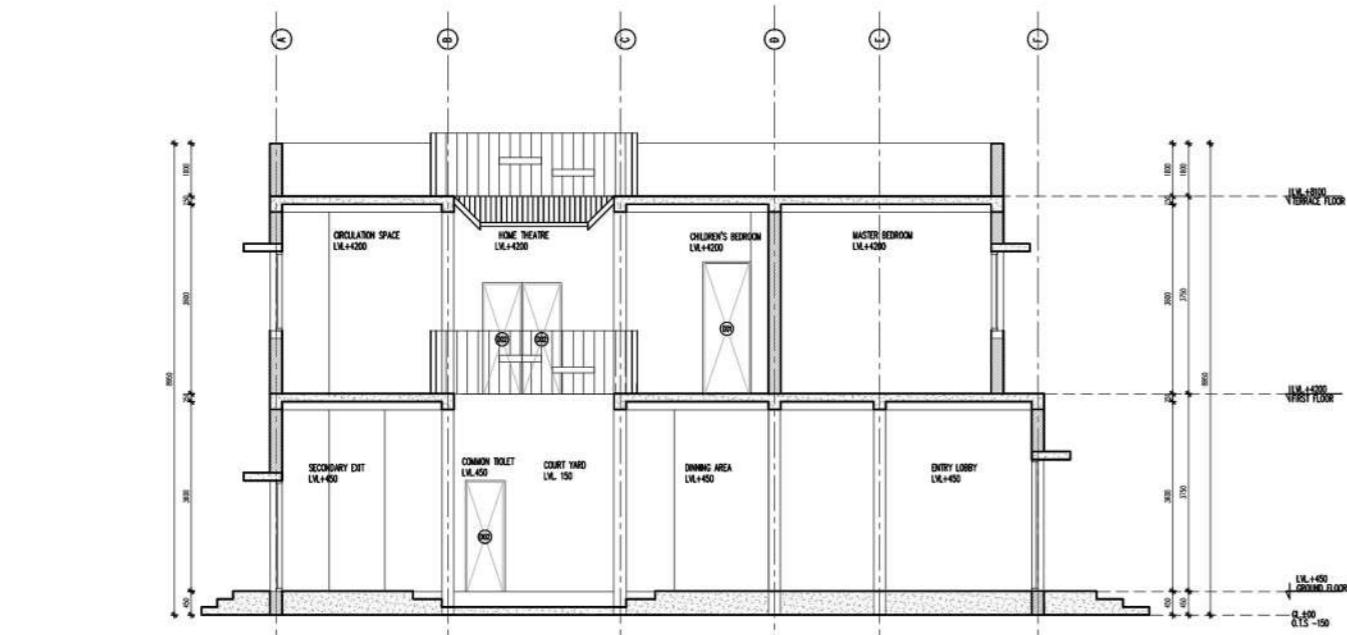


GROUND FLOOR PLAN

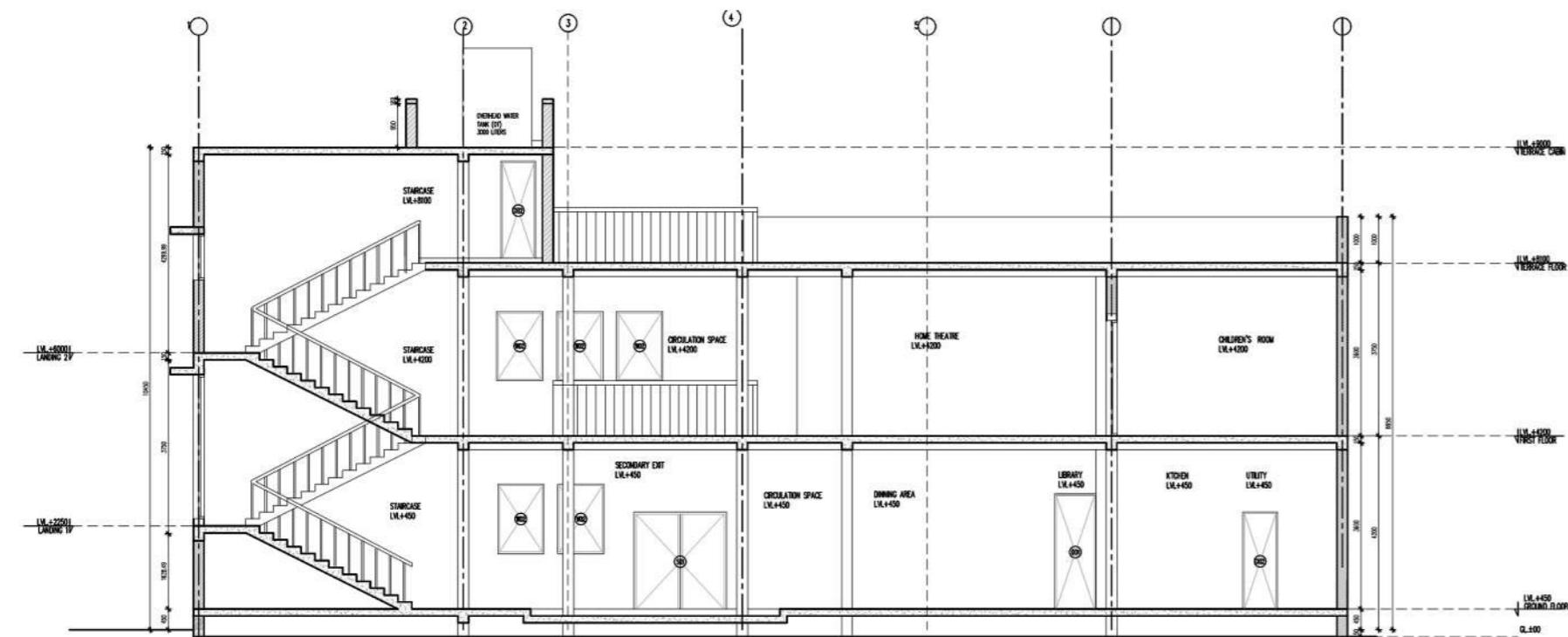


WORKING STUDIO

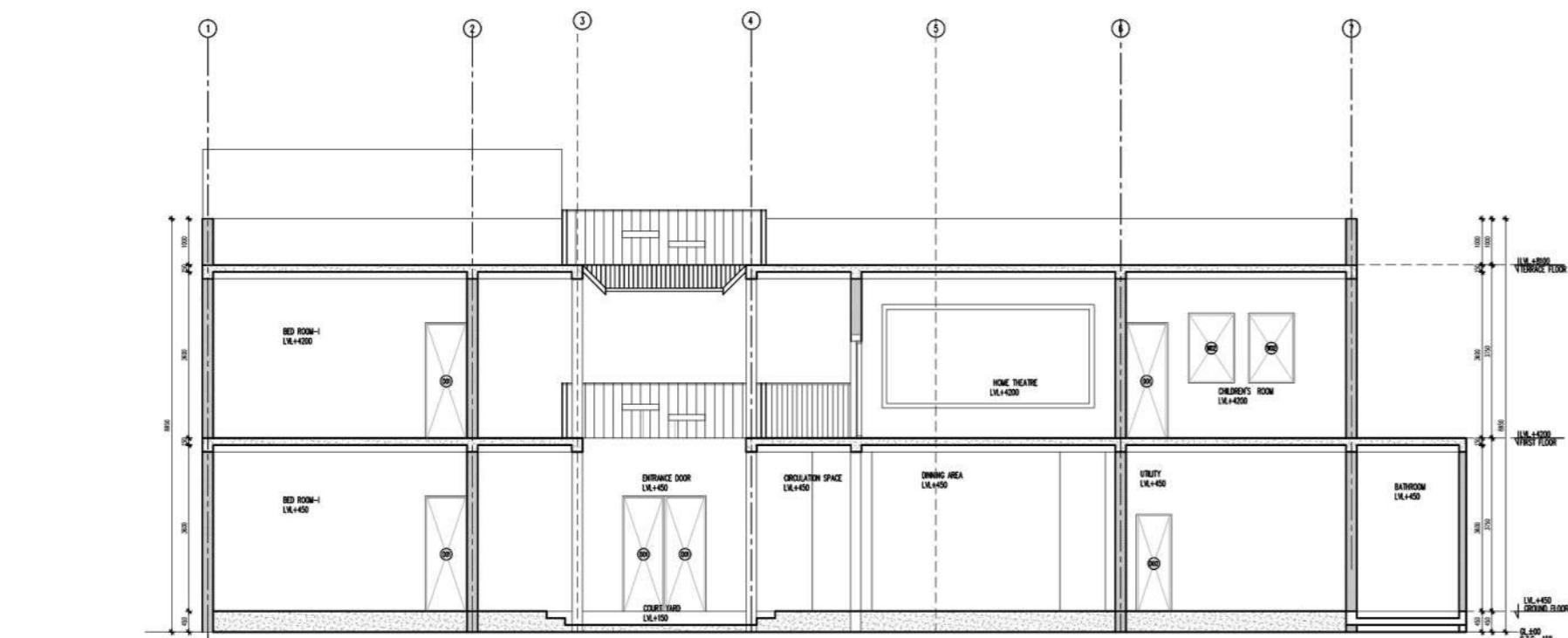
SECTION A-A'



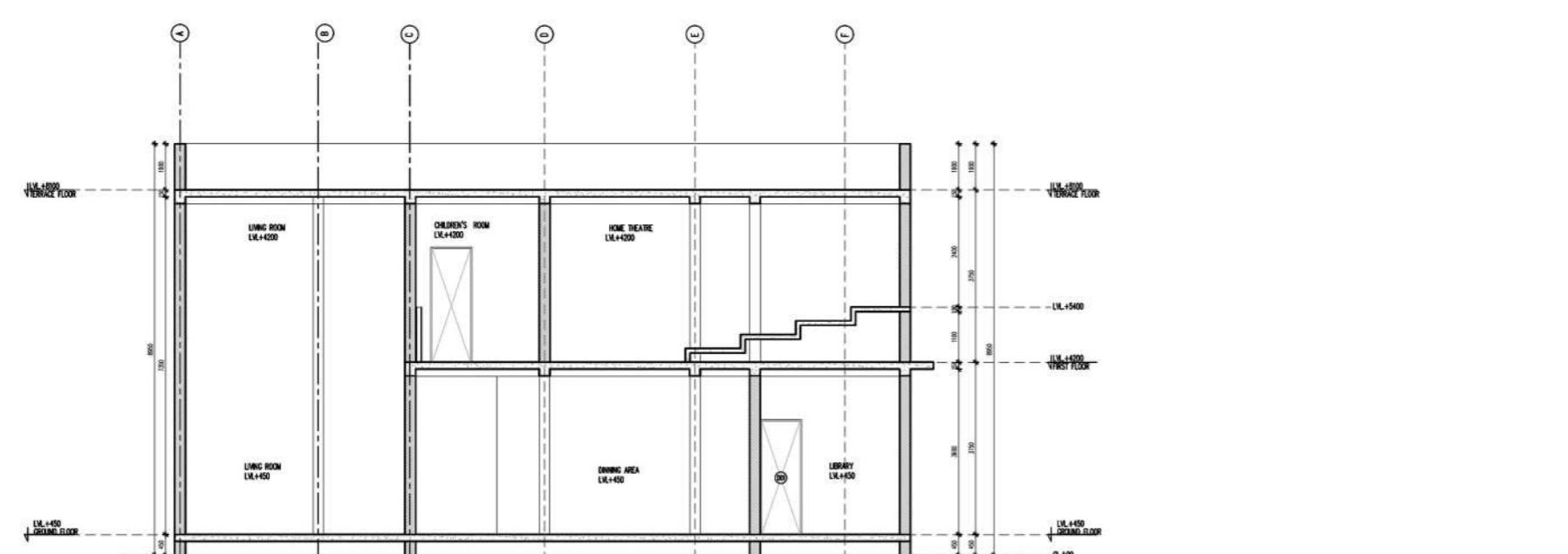
SECTION B-B'



SECTION C-C'



SECTION D-D'

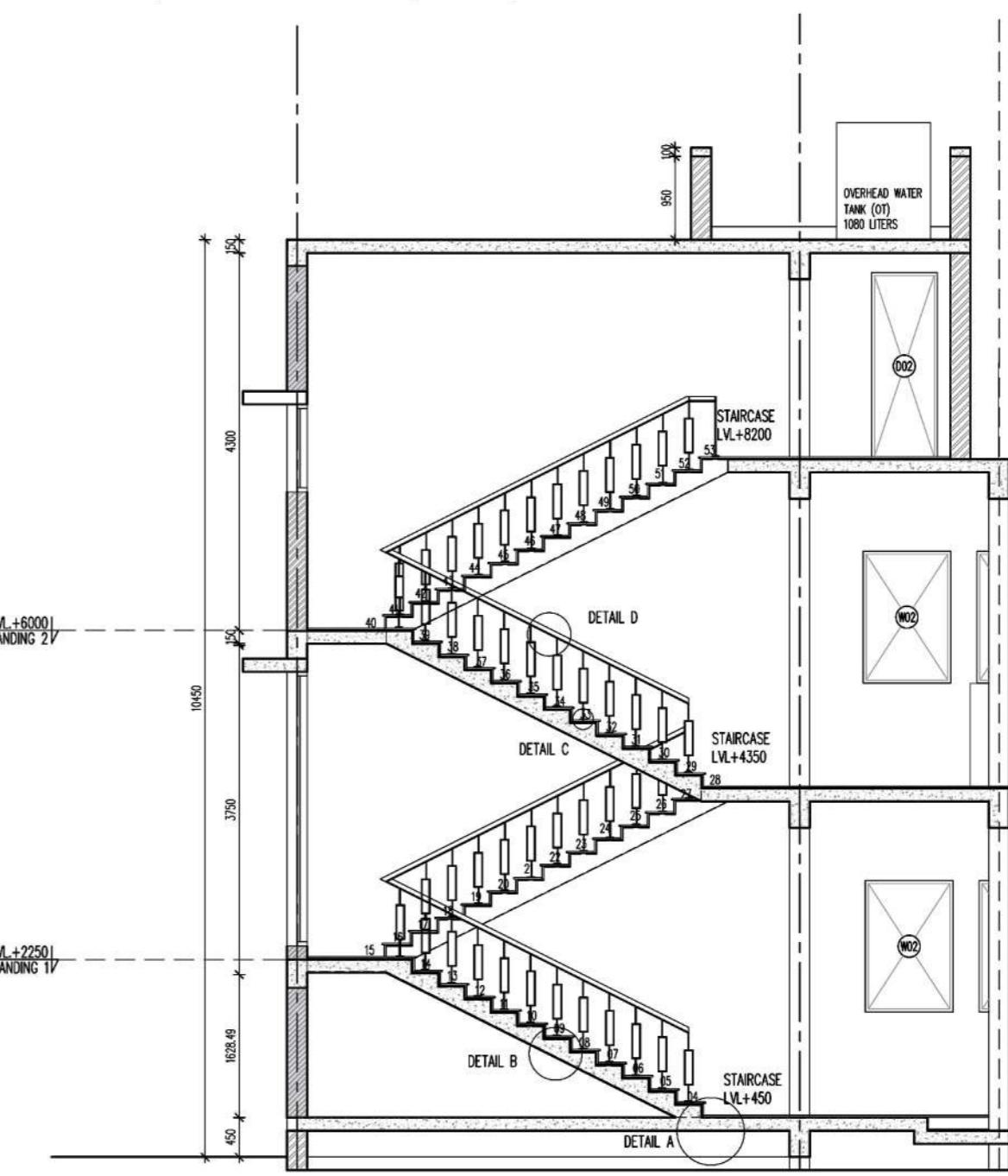
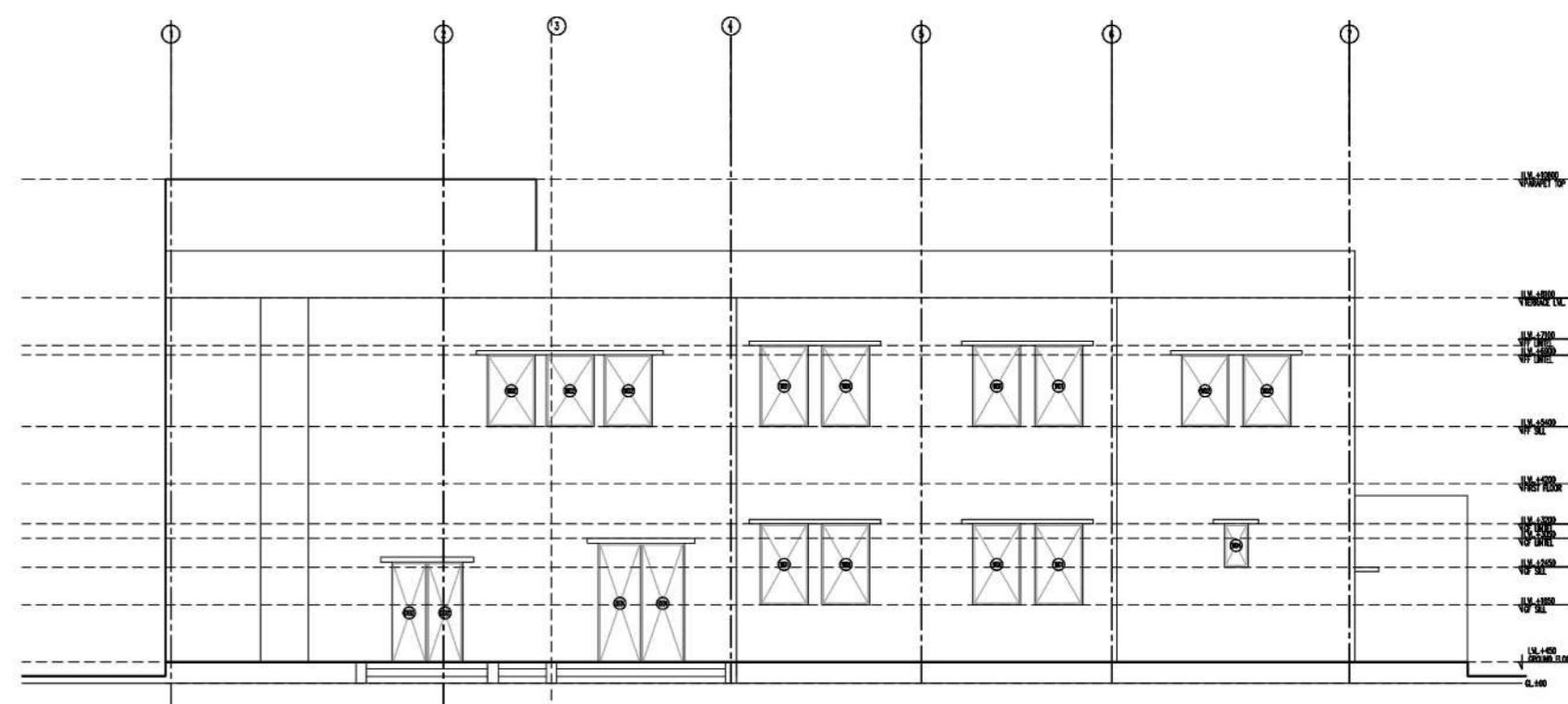
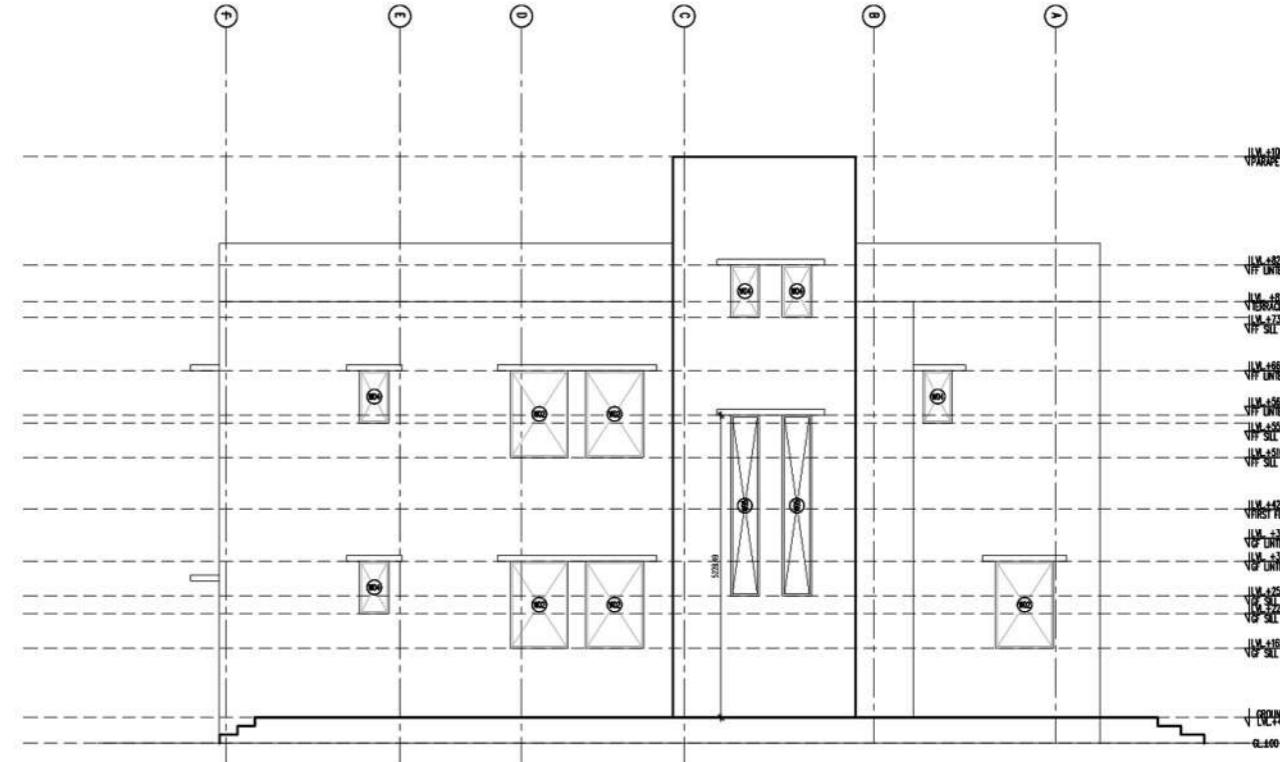


STAIRCASE SECTION (DETAILS)

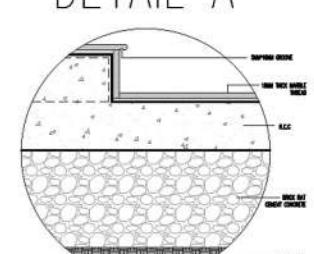
NORTH ELEVATION

WEST ELEVATION

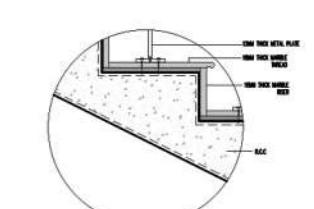
WORKING STUDIO



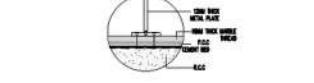
DETAIL A



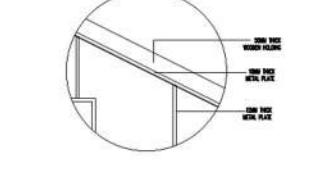
DETAIL B



DETAIL C



DETAIL D



BASIC DESIGN:

DECODING STRUCTURAL SYSTEM

PROGRAM:*STEP 1:*

THIS EXERCISE STARTED BY IDENTIFYING PAINTINGS OF CUBISM. THEN A SERIES OF GRID PATTERN WERE DRAWN ON THE PICTURE CHOSEN.

STEP 2:

THE NEXT PROCESS WAS THAT THE BOXES DRAWN ON THE PAINTINGS WERE PAINTED WITH SOLID COLOUR. THE COLOURS WHICH WERE OVERLAPPING IN A GRID BOX, PROPORTION OF COLOURS PRESENT IN THE BOX WERE MIXED AND THEN APPLIED.

NEXT PROCESS WAS TO PENCIL RENDER THE PAINTING PROCESS UNDERSTANDING THE DARK AND LIGHT SHADES OF THE PIXELATION PROCESS.

STEP 3:

AFTER THE SHADES AND TINT PROCESS, A MODEL WAS TO BE PREPARED. A SERIES OF BOXES WERE MADE DARK TO LIGHT THIS WAS THEN COMPARED WITH THE PENCIL RENDER. DARKER THE SHADE LONGER THE SIZE OF THE WOOD.

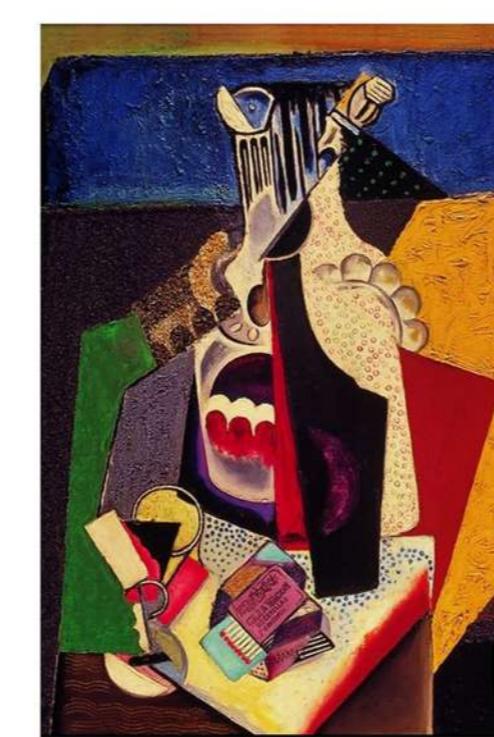
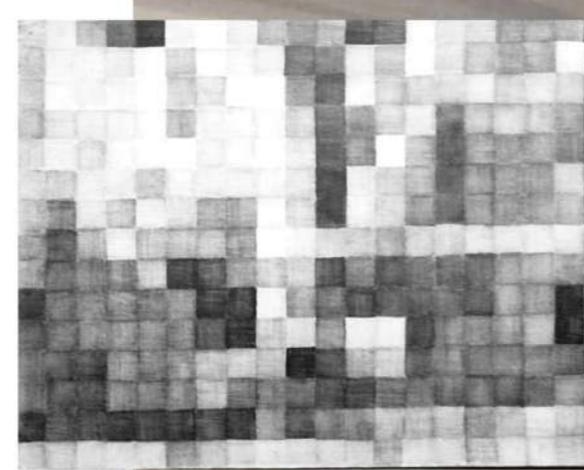
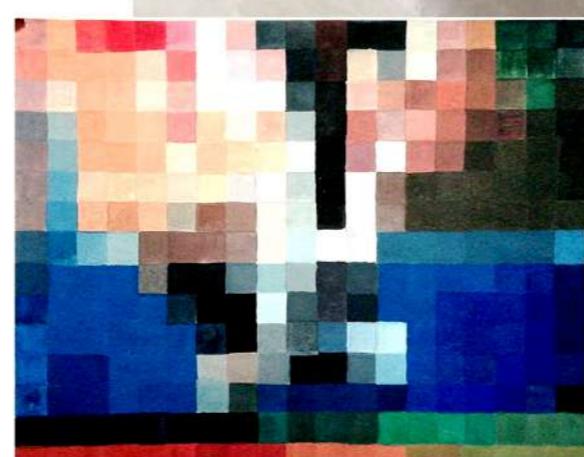
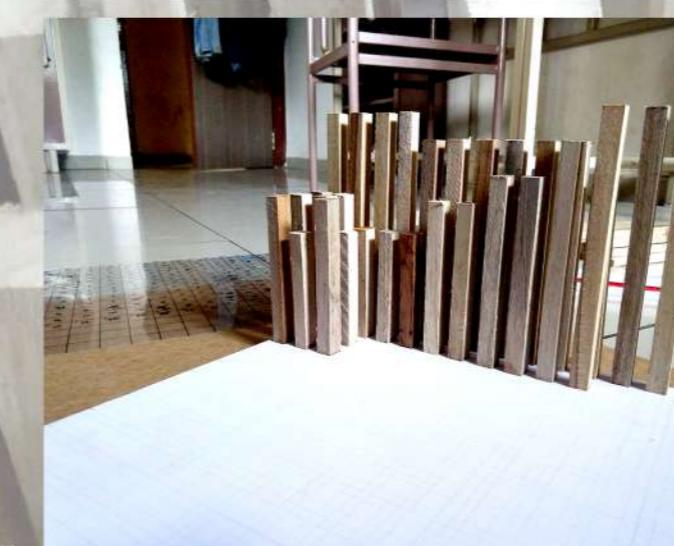
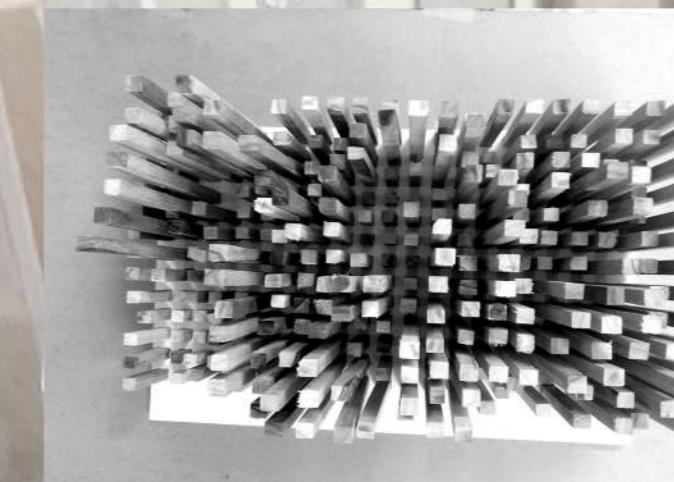
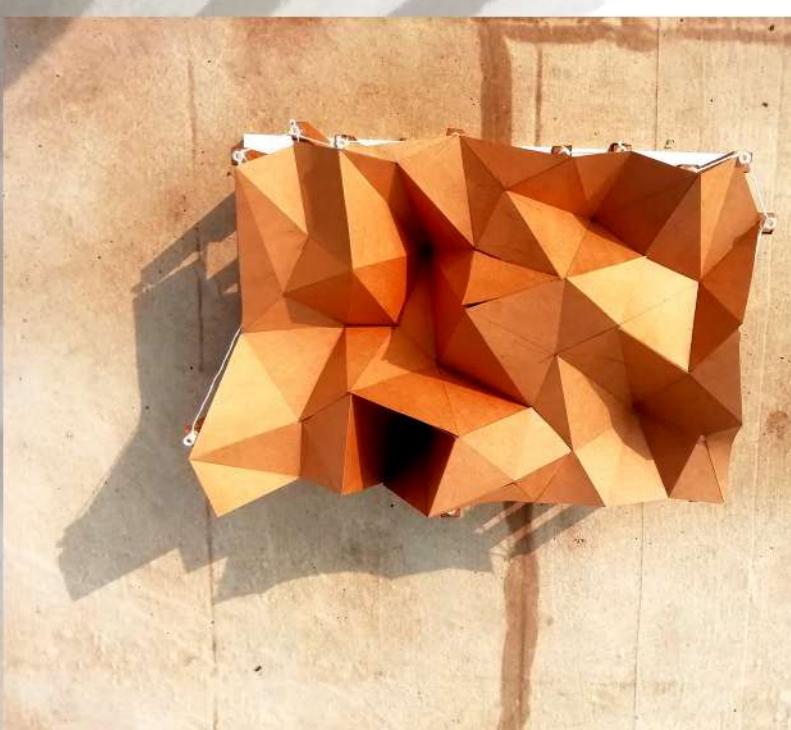
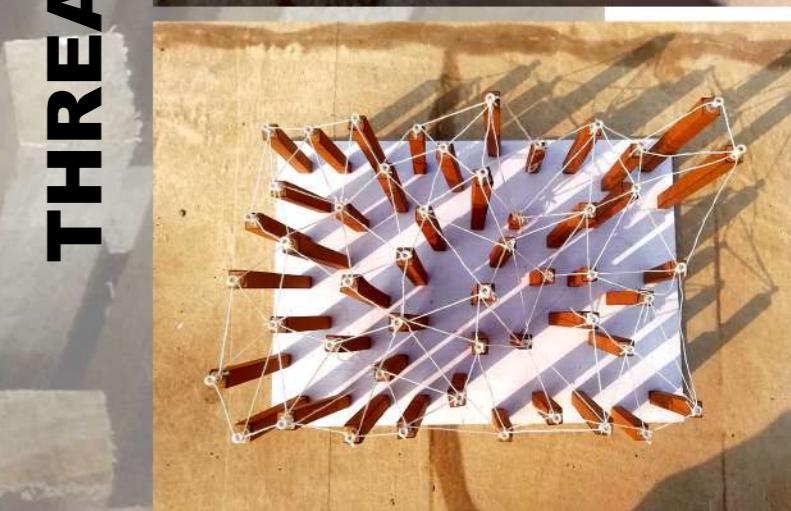
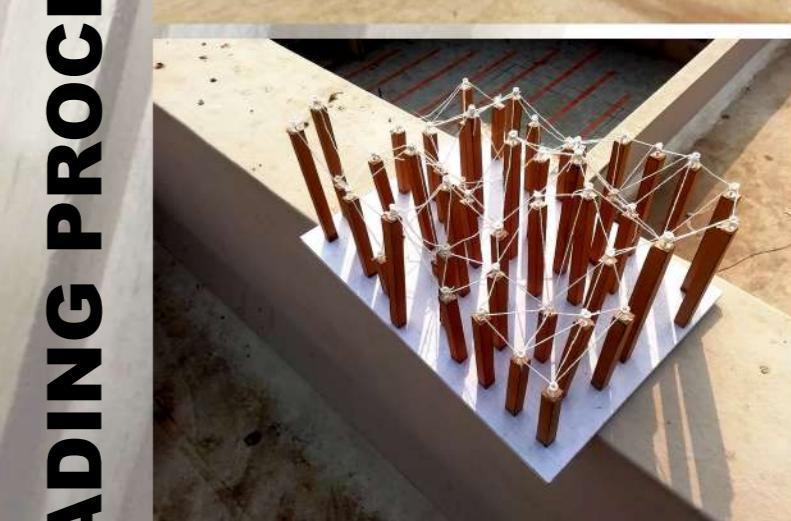
STEP 4:
MODELLING PROCESS:

2cm/2cm STICKS WERE TO BE MADE USING ANY BROWN SHEET BY A SURFACE DEVELOPMENT PROCESS.

INSERTING THUMBPIN'S ON EACH OF THE OF THE STICKS MADE FOR THE THREADING PROCESS.

STEP 5:

A SERIES OF TRIANGULATION PROCESS WAS TO BE DONE USING THE THREAD. PLAYING WITH DIFFERENT HEIGHTS A ROOFING MODEL WAS TO BE CREATED. A TRIANGULATED ROOFING MODEL WAS CREATED FOLLOWING THE THREADING'S SHOWING A CONTRAST OF HEIGHTS IN A MODEL.

**CUBISM PAINTING****PIXELATIONS****STICK MODEL ACCORDING TO SHADE'S AND TINT****THREADING PROCESS****ROOFING**

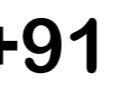
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