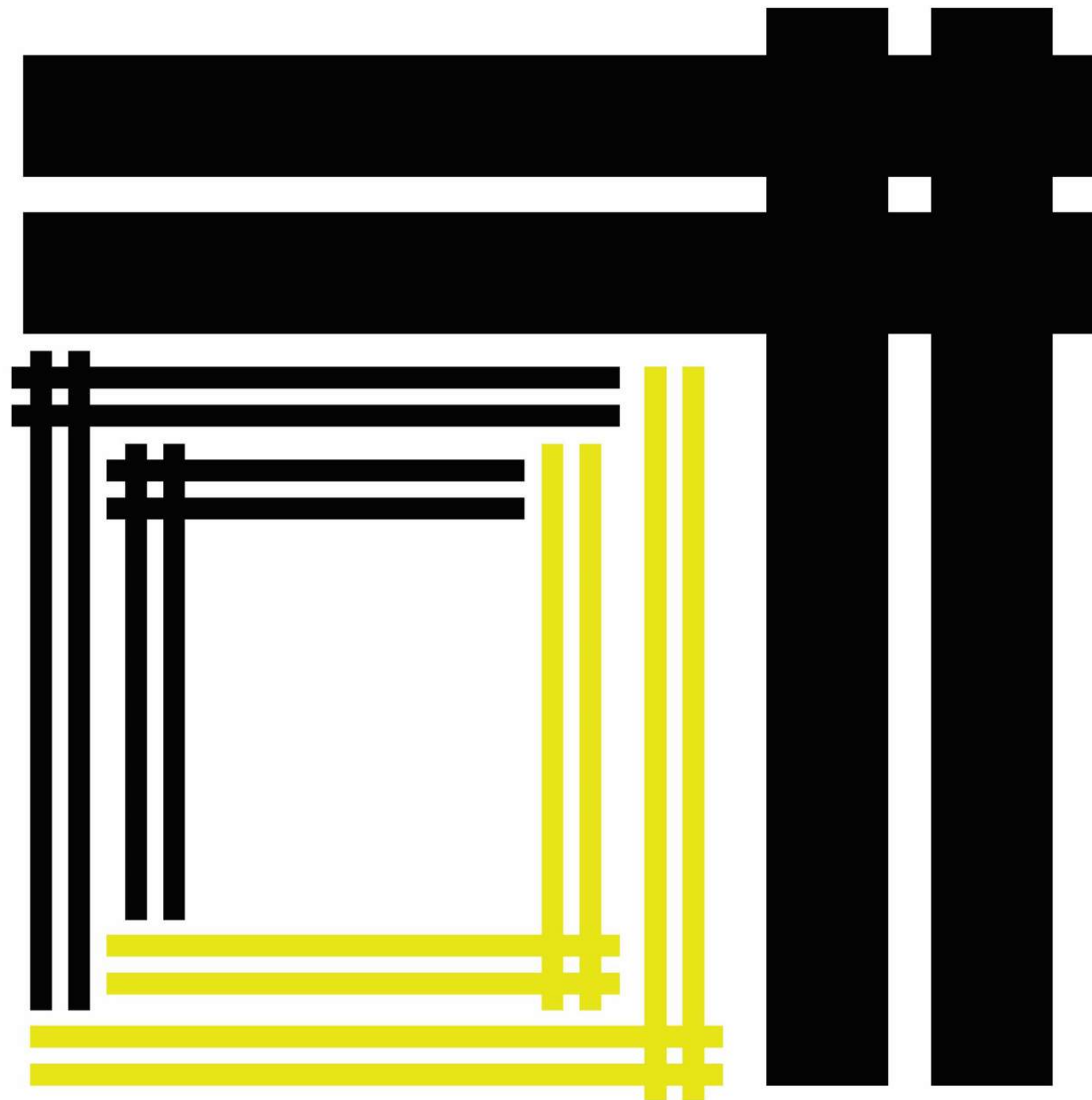
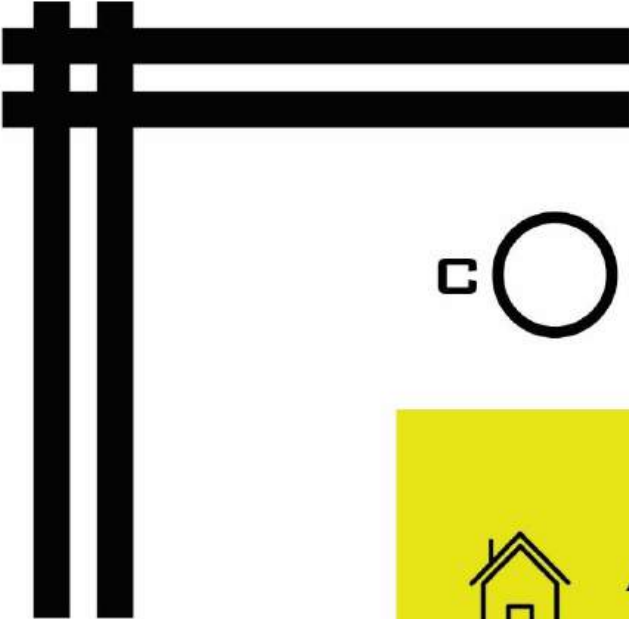




ARCHITECTURE
P O R T F O L I O

MUHAMMAD IRFAN

UNIVERSITY OF LAHORE
BACHELOR OF ARCHITECTURE



CONTENTS



ARTIST RESIDENCE

(4TH SEMESTER)



YOUTH HOSTEL

(5TH SEMESTER)



SECONDARY CARE HOSPITAL

(6TH SEMESTER)



CAMPUS DESIGN (SCHOOL OF CREATIVE ARTS)

(7TH SEMESTER)



SKYSCRAPER (HQ40)

(8TH SEMESTER)

ARCHITECTURAL PRACTICE

- MOUNTAIN BAR
 - HOUSE
 - BACKYARD GARDEN
 - BACKYARD SWIMMING
POOL
 - OFFICE BUILDING
 - BACKYARD GARDEN
 - INTERIOR
 - SKYSCRAPER
 - GREEN HOUSE
 - 5M HOUSE
 - HIGH RISE BUILDING
- 

ARTIST RESIDENCE

PROJECT

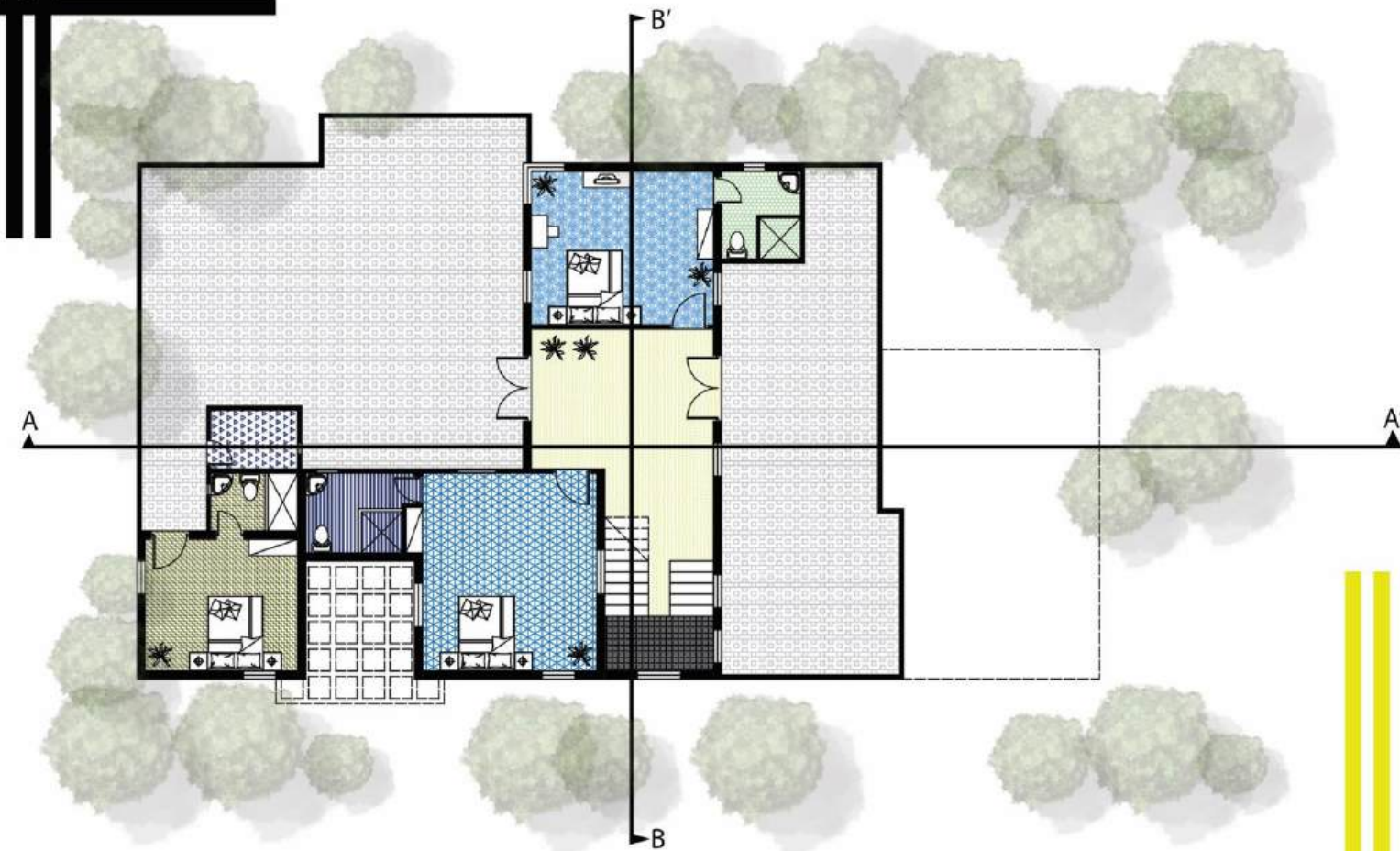
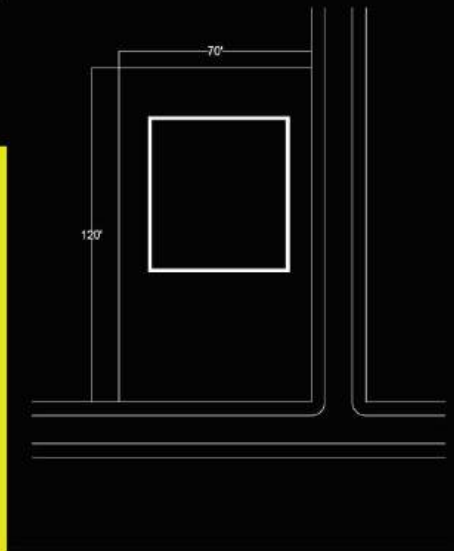
IN THIS DESIGN EXERCISE WE ARE REQUIRED TO DESIGN A RESIDENCE FOR AN ARTIST AND HIS FAMILY (WIFE AND 2 CHILDREN)

REQUIREMENTS

A 3-BEDROOM RESIDENTIAL UNIT WITH ATTACHED BATH. INCLUDED OTHER NECESSARY RESIDENTIAL SPACE LIKE KITCHEN, LOUNGE AND GAR PARKING AND ALSO INCLUDE ARTIST'S STUDIO.

THE DRAWING INCLUDES 2 PLANS, 2 SECTIONS, 4 ELEVATION AND FINAL MODEL. INTERIOR ELEMENT'S SUCH AS FURNITURE ARE PLACED AND THE DRAWINGS ARE DETAILED.

SITE



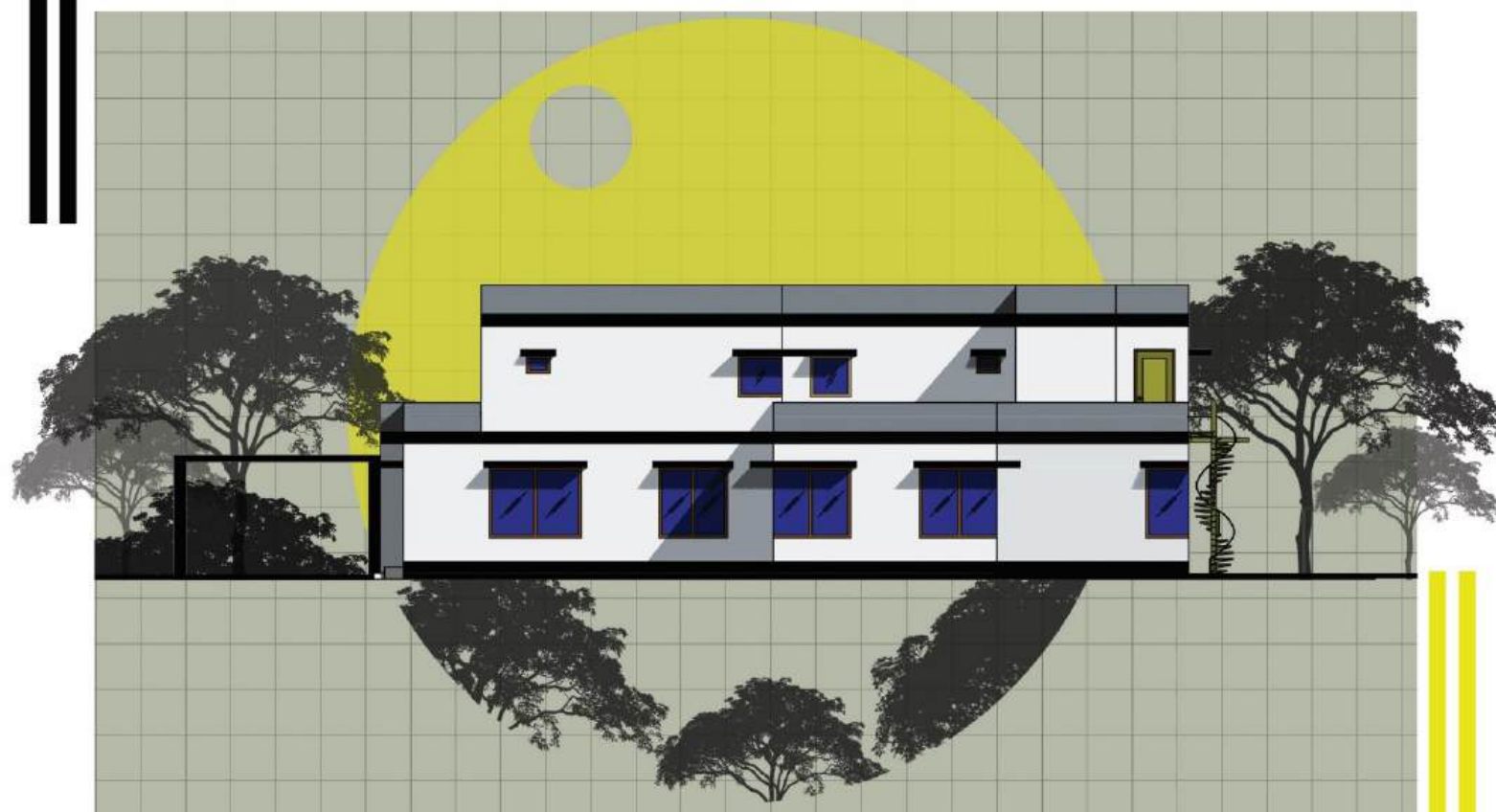
FIRST FLOOR PLAN

ARTIST RESIDENCE



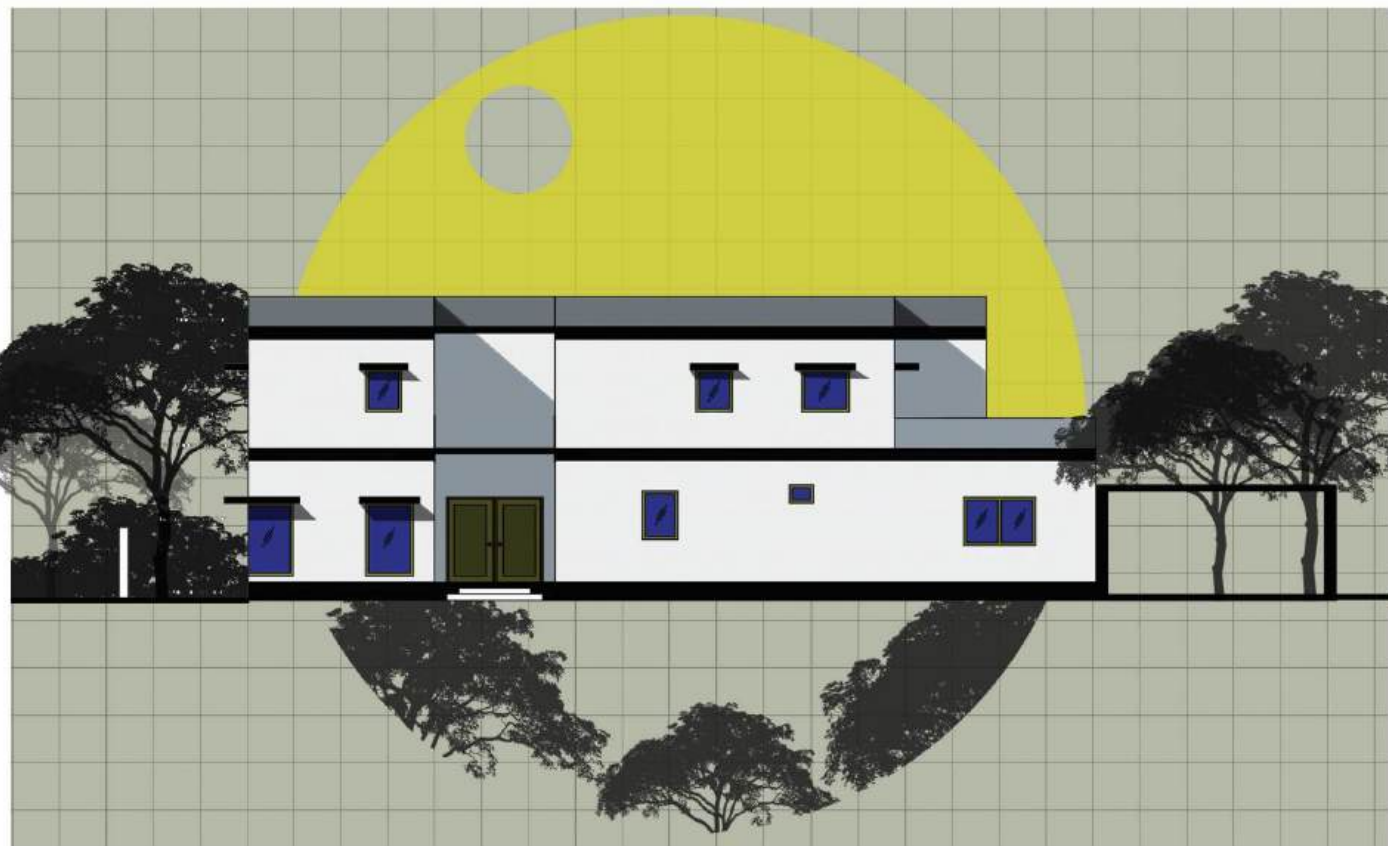
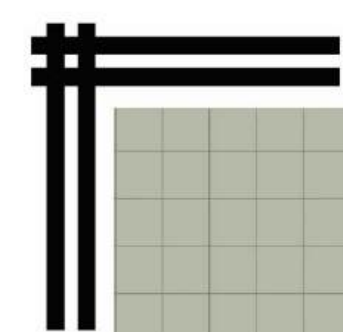
GROUND FLOOR PLAN

ARTIST RESIDENCE



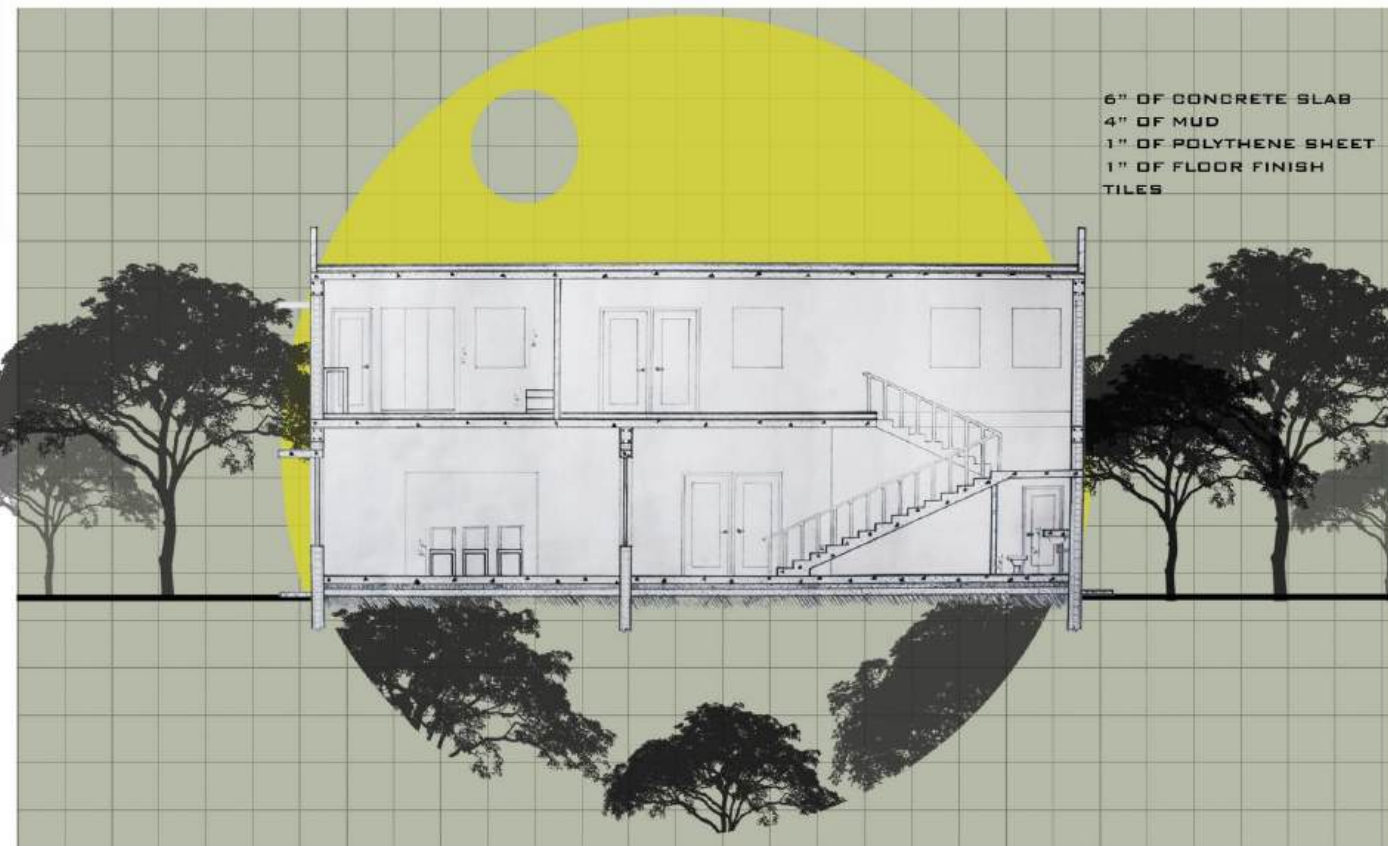
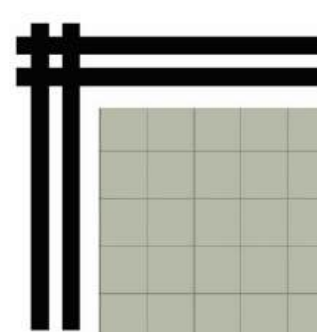
WEST ELEVATION

ARTIST RESIDENCE



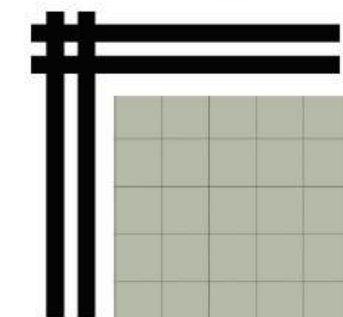
EAST ELEVATION

ARTIST RESIDENCE



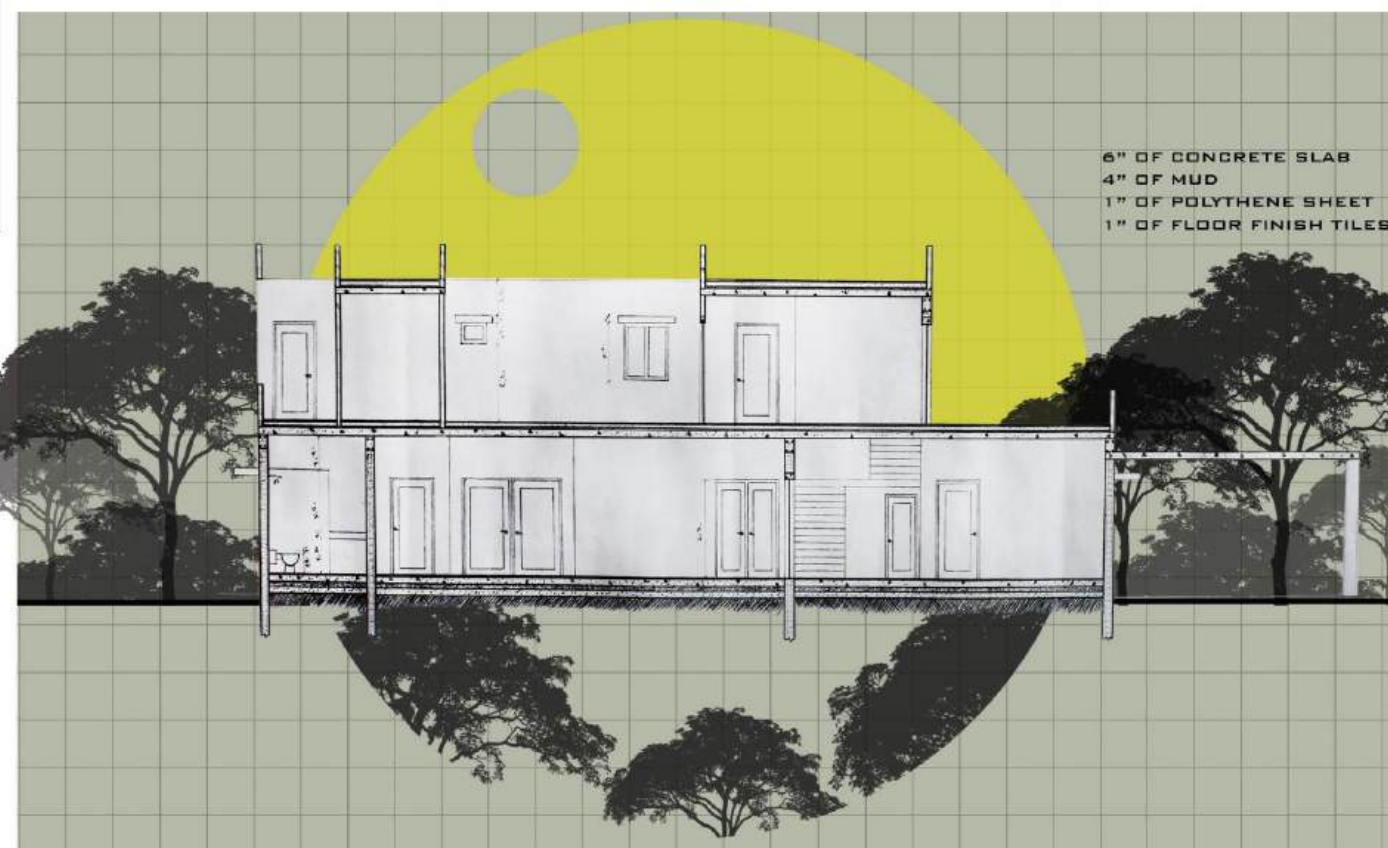
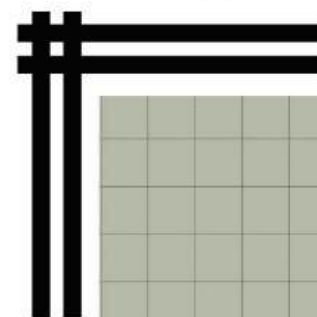
SECTION BB''

ARTIST RESIDENCE



NORTH ELEVATION

ARTIST RESIDENCE



SECTION AA''

ARTIST RESIDENCE



YOUTH HOSTEL

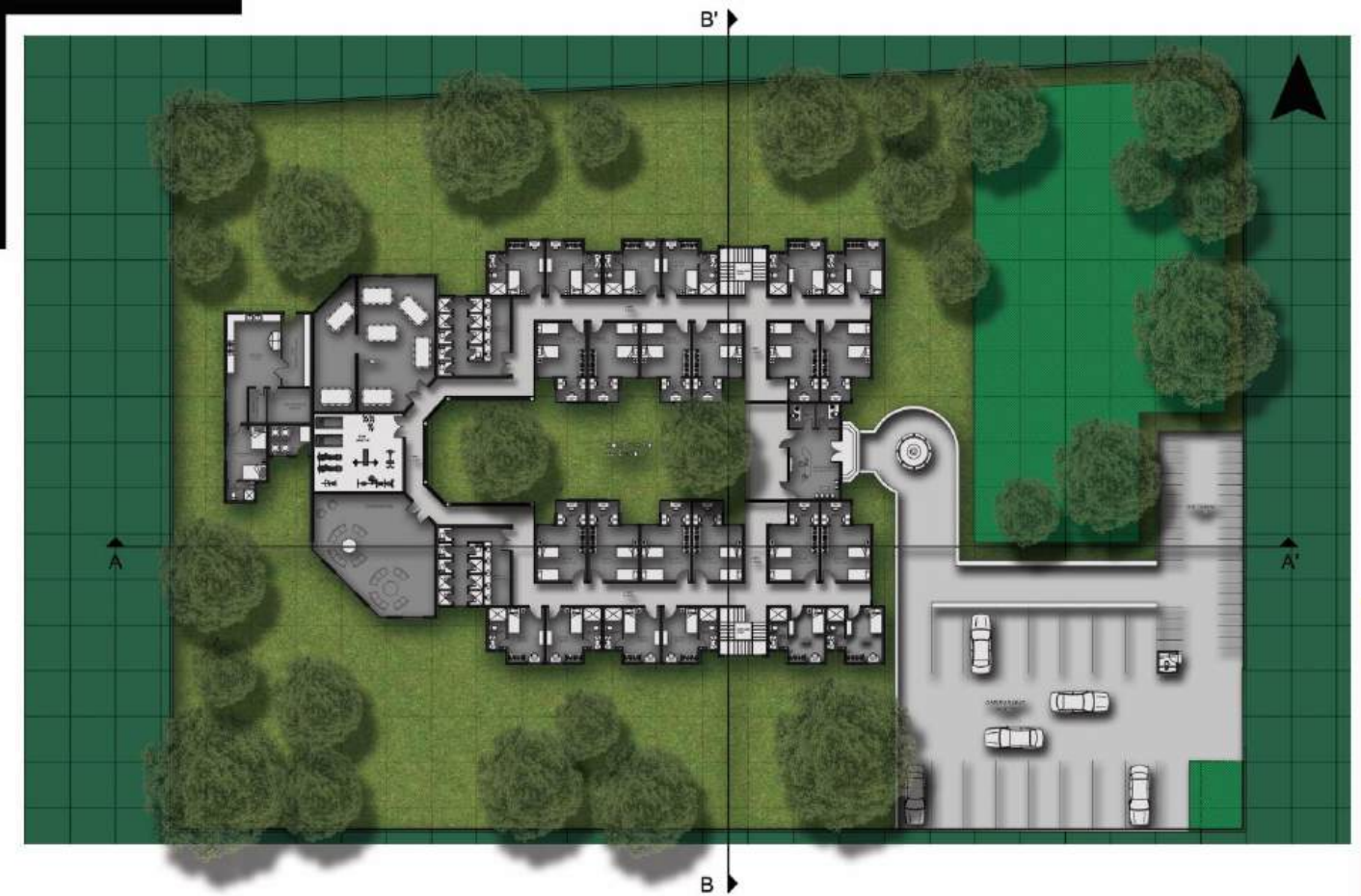
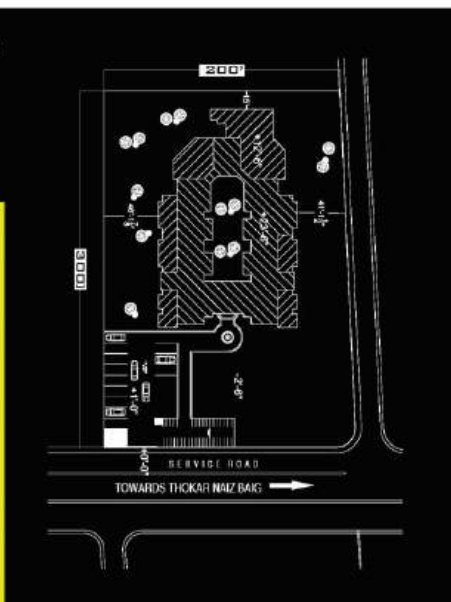
PROJECT

DESIGNING A YOUTH HOSTEL FOR MALE STUDENTS AND BACHELOR EMPLOYEES.

REQUIREMENTS

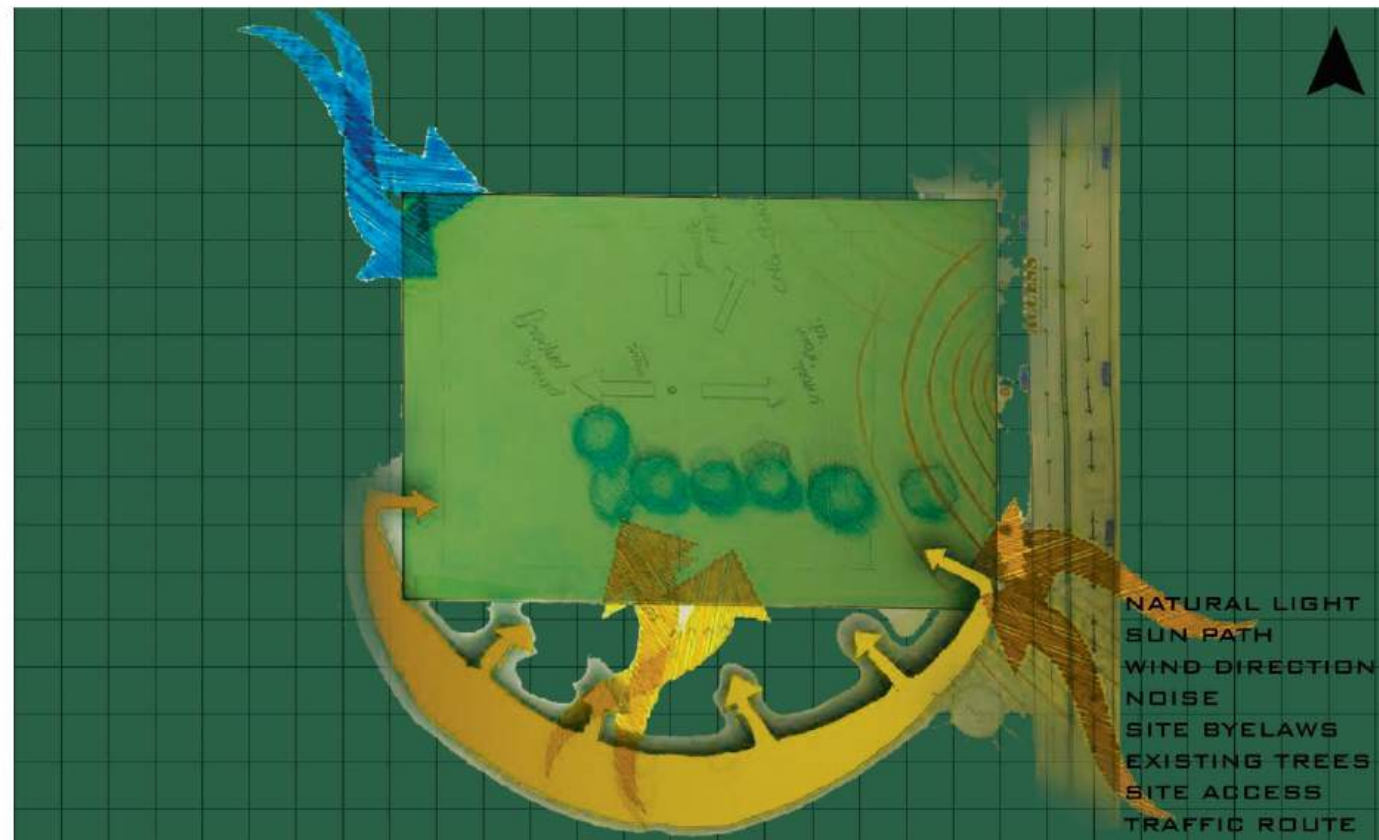
- 12 BEDROOMS WITH ATTACH BATH FOR SINGLE OCCUPANTS
- 24 BEDROOMS ON SHARE BASIS
- MESS AREA
- COMMON ROOM
- PRAYER ROOM
- WARDEN OFFICE
- LAUNDRY
- STORE ROOM
- SECURITY OFFICE
- RECEPTION
- PARKING AREA FOR 16 CARS
- PARKING AREA FOR 36 BIKES
- A GYM
- KITCHEN
- 2 BEDROOMS FOR STAFF

SITE



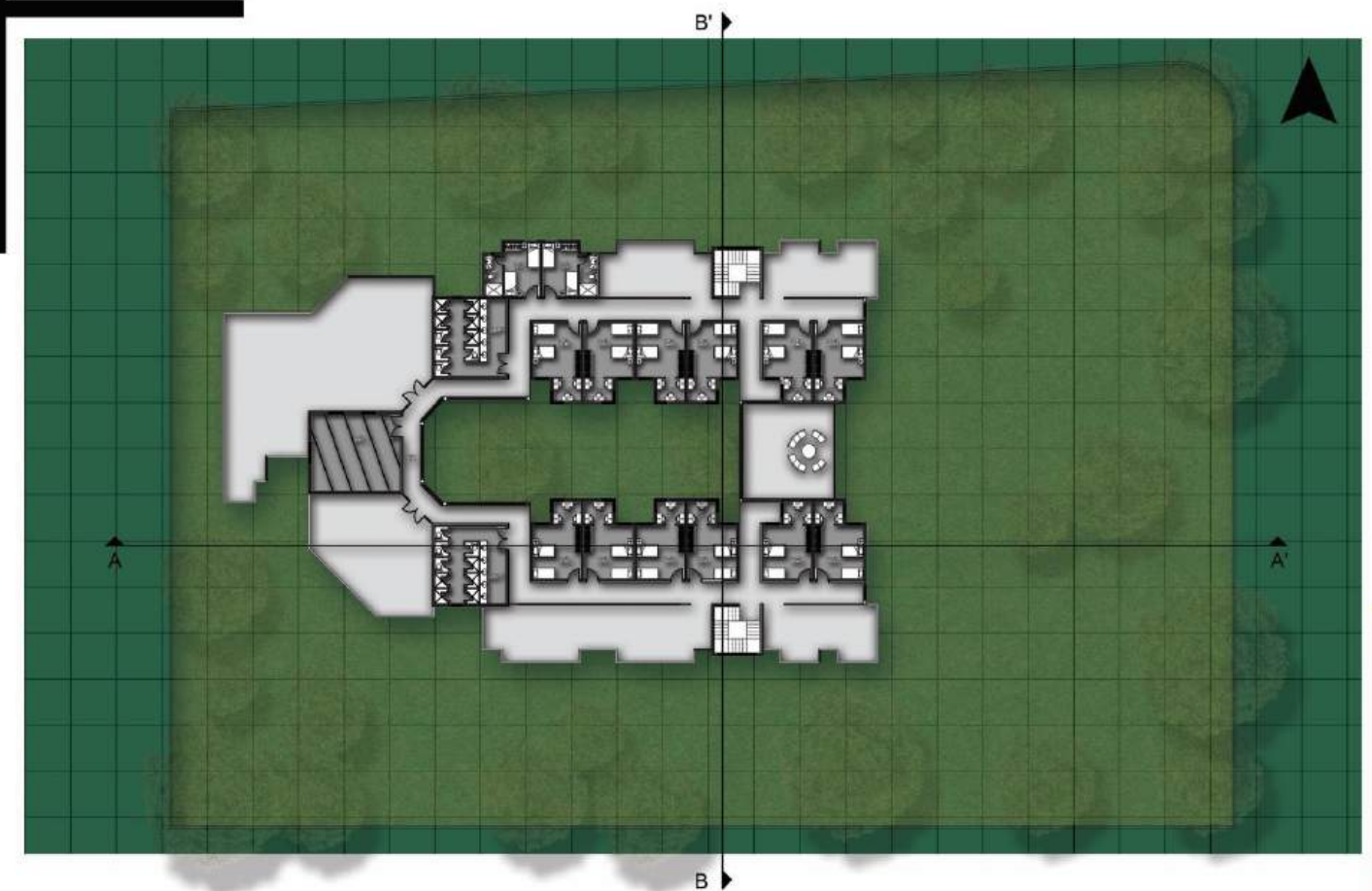
GROUND FLOOR PLAN

YOUTH HOSTEL



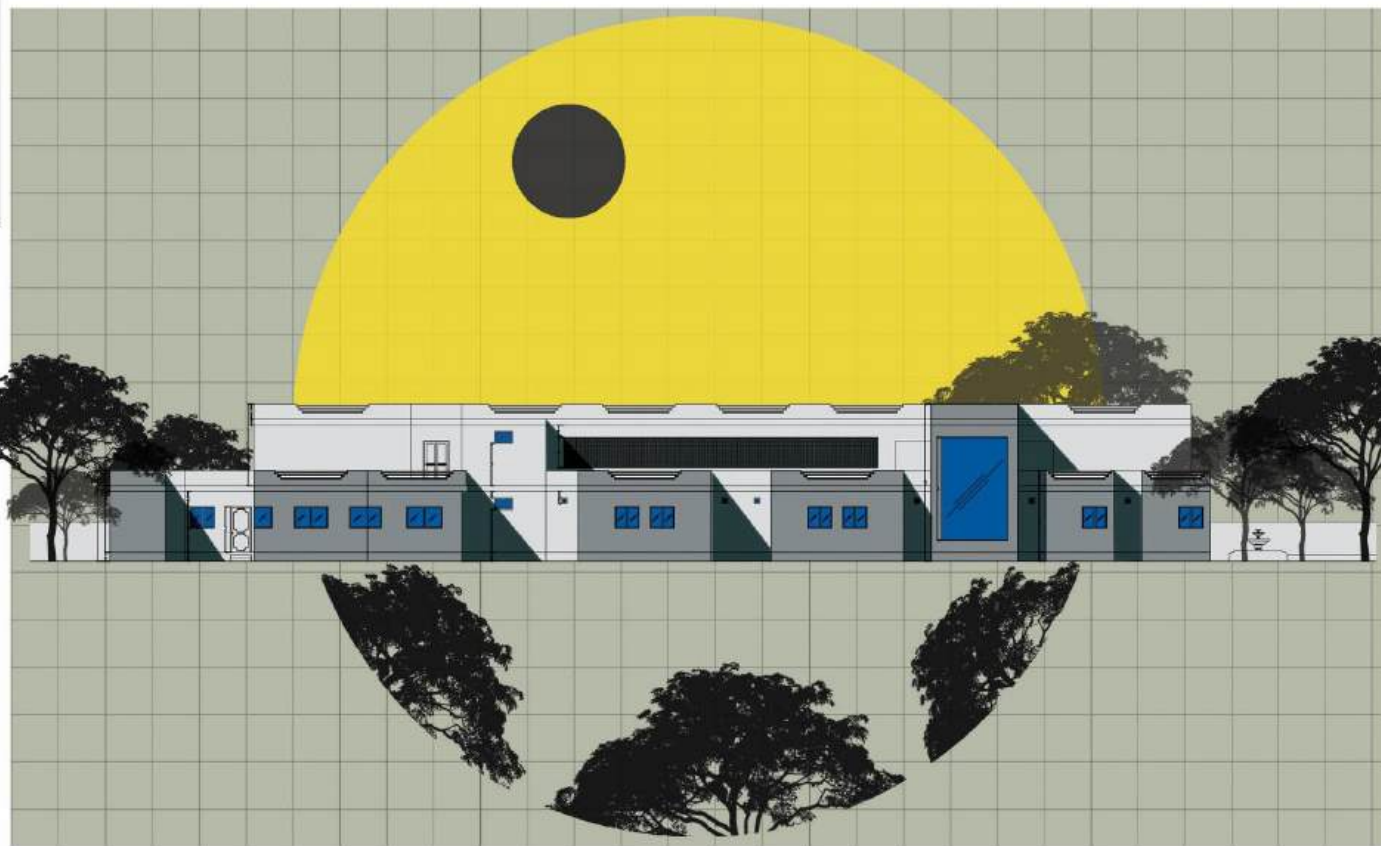
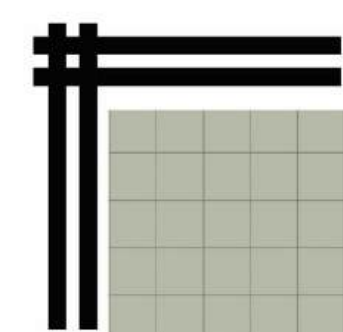
SITE ANALYSIS

YOUTH HOSTEL

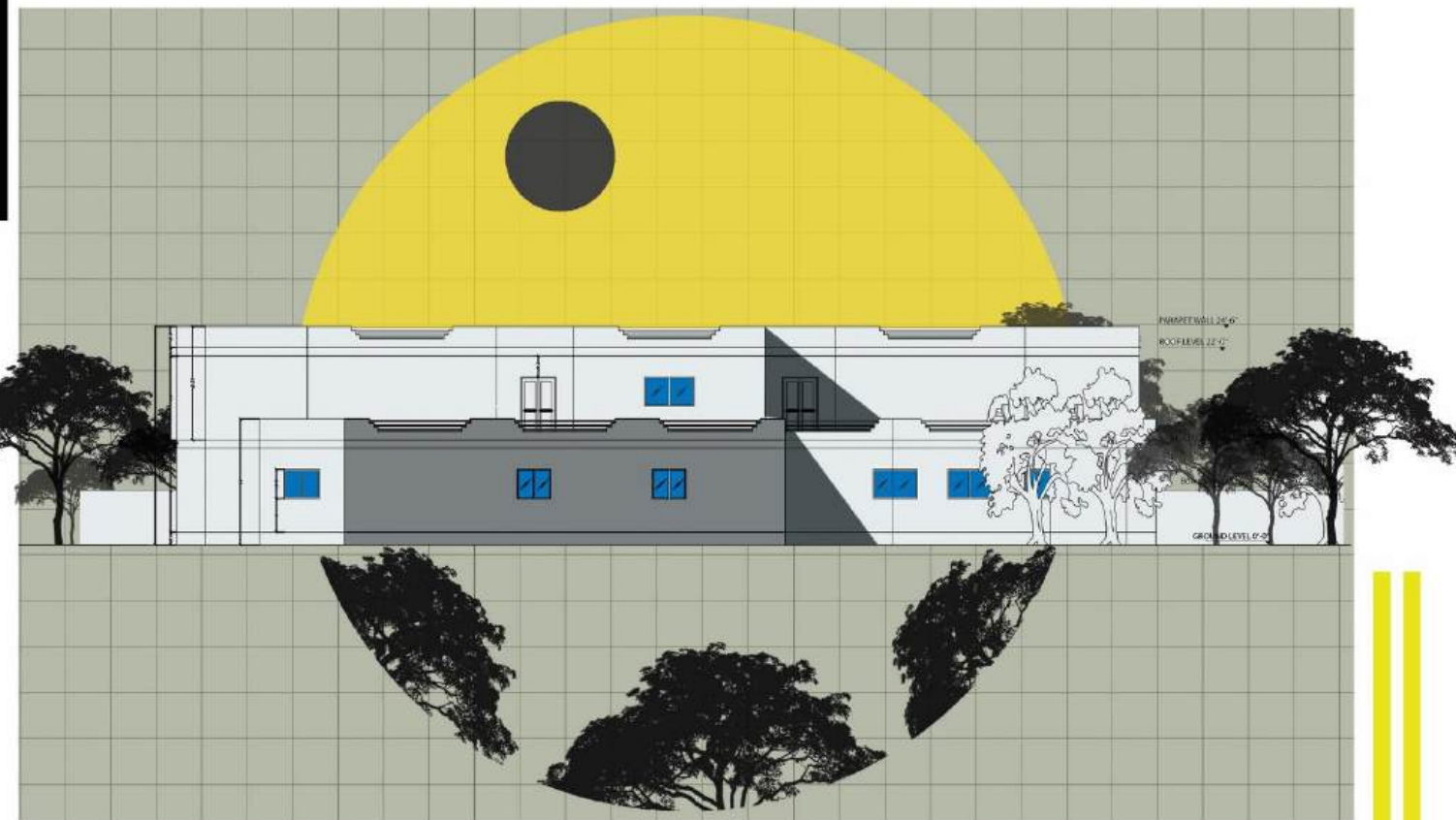
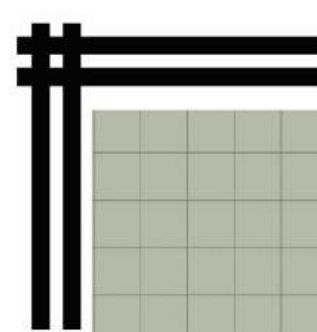
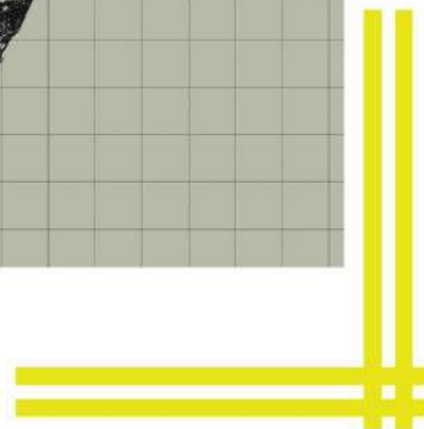


FIRST FLOOR PLAN

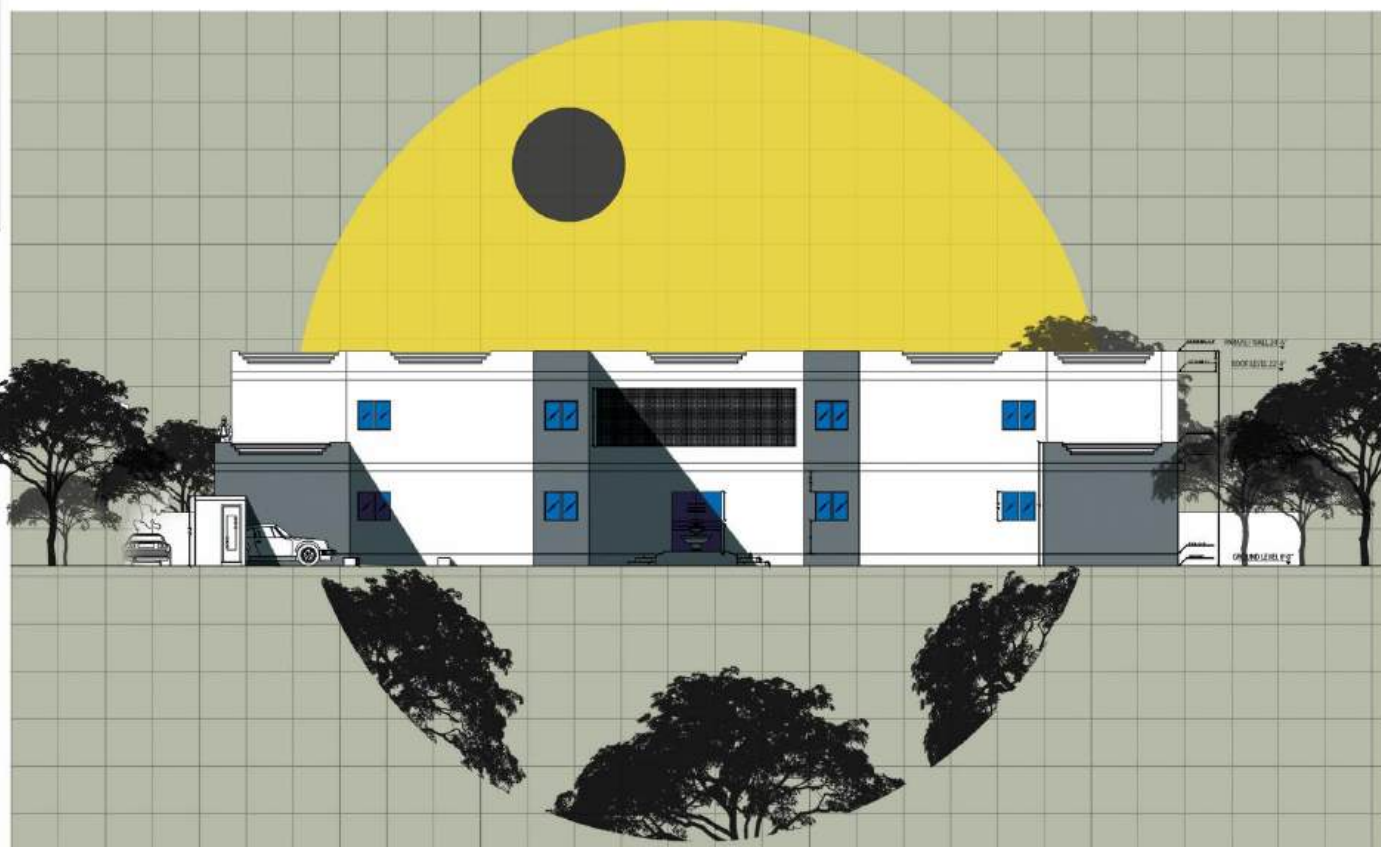
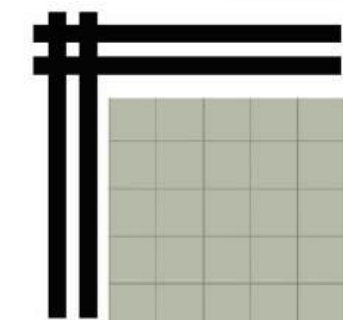
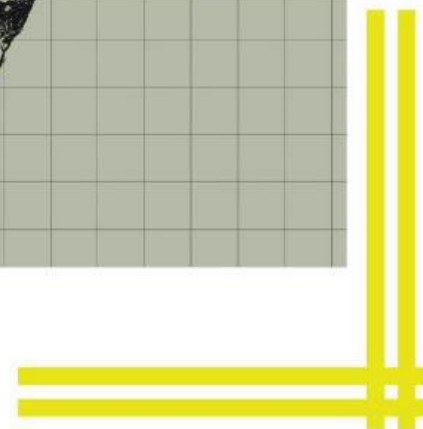
YOUTH HOSTEL



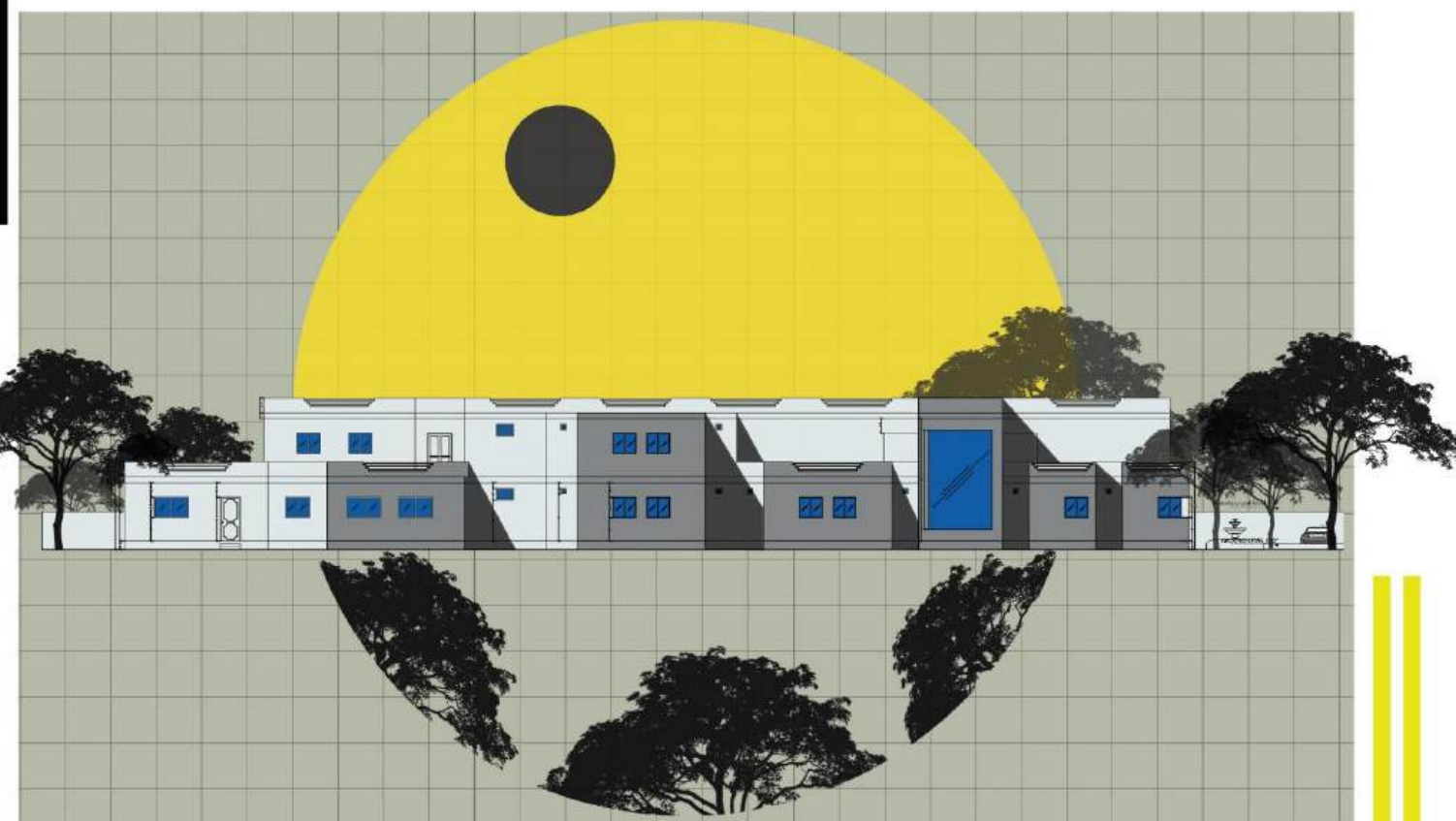
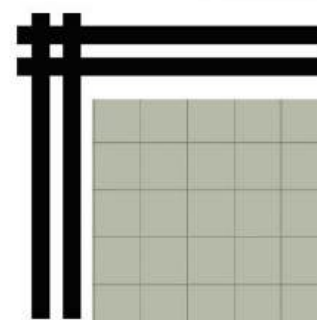
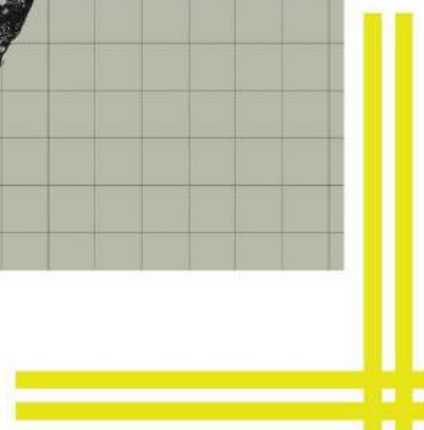
NORTH ELEVATION
YOUTH HOSTEL



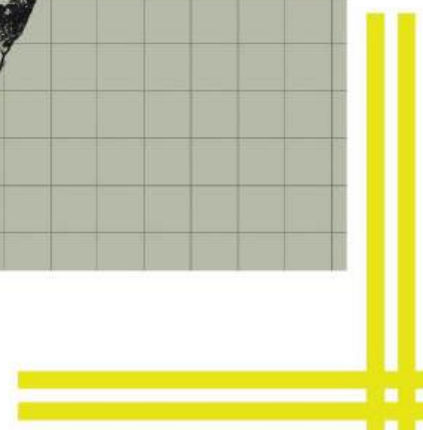
WEST ELEVATION
YOUTH HOSTEL

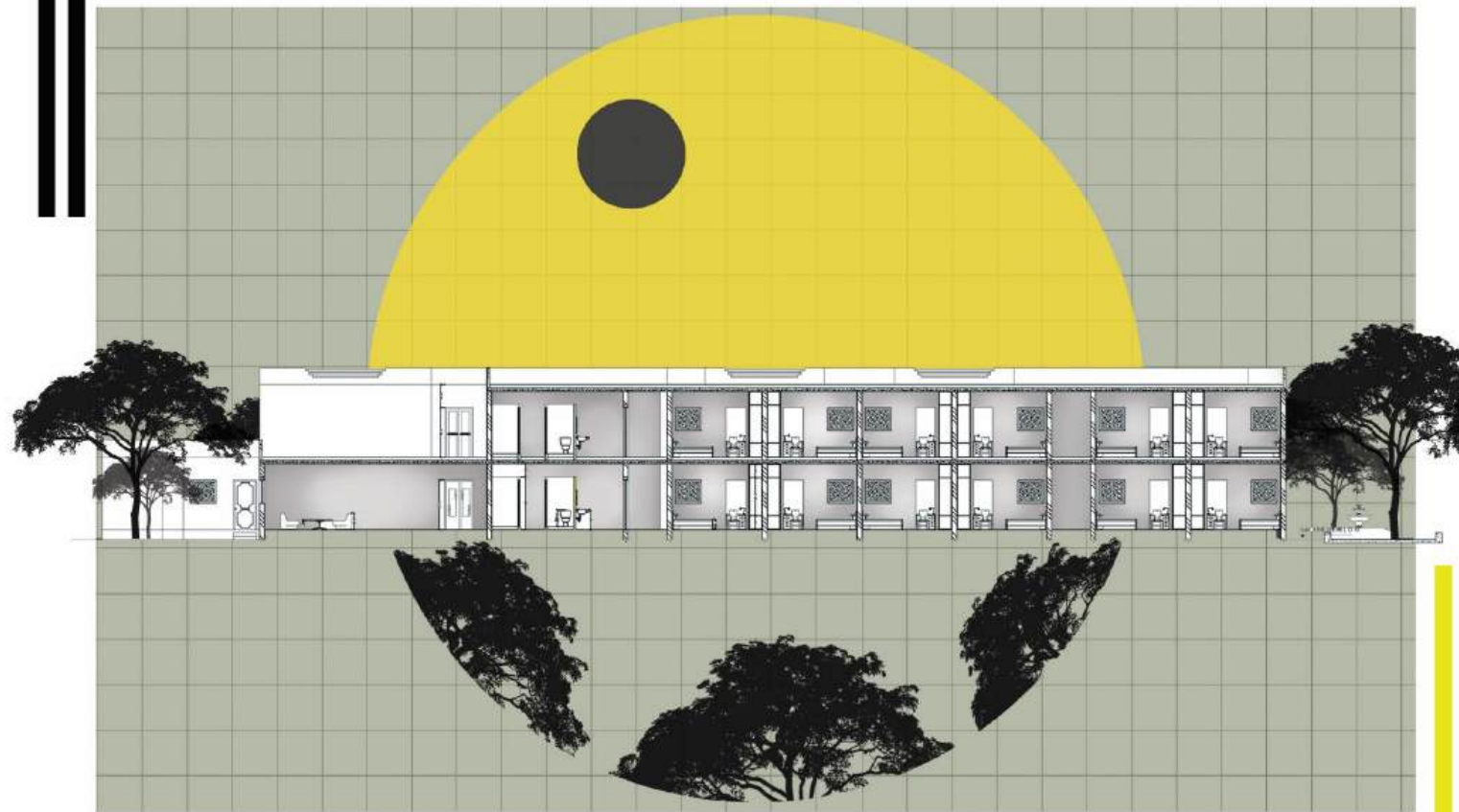
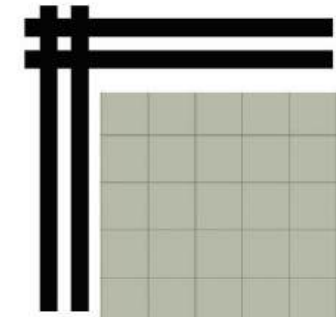


EAST ELEVATION
YOUTH HOSTEL

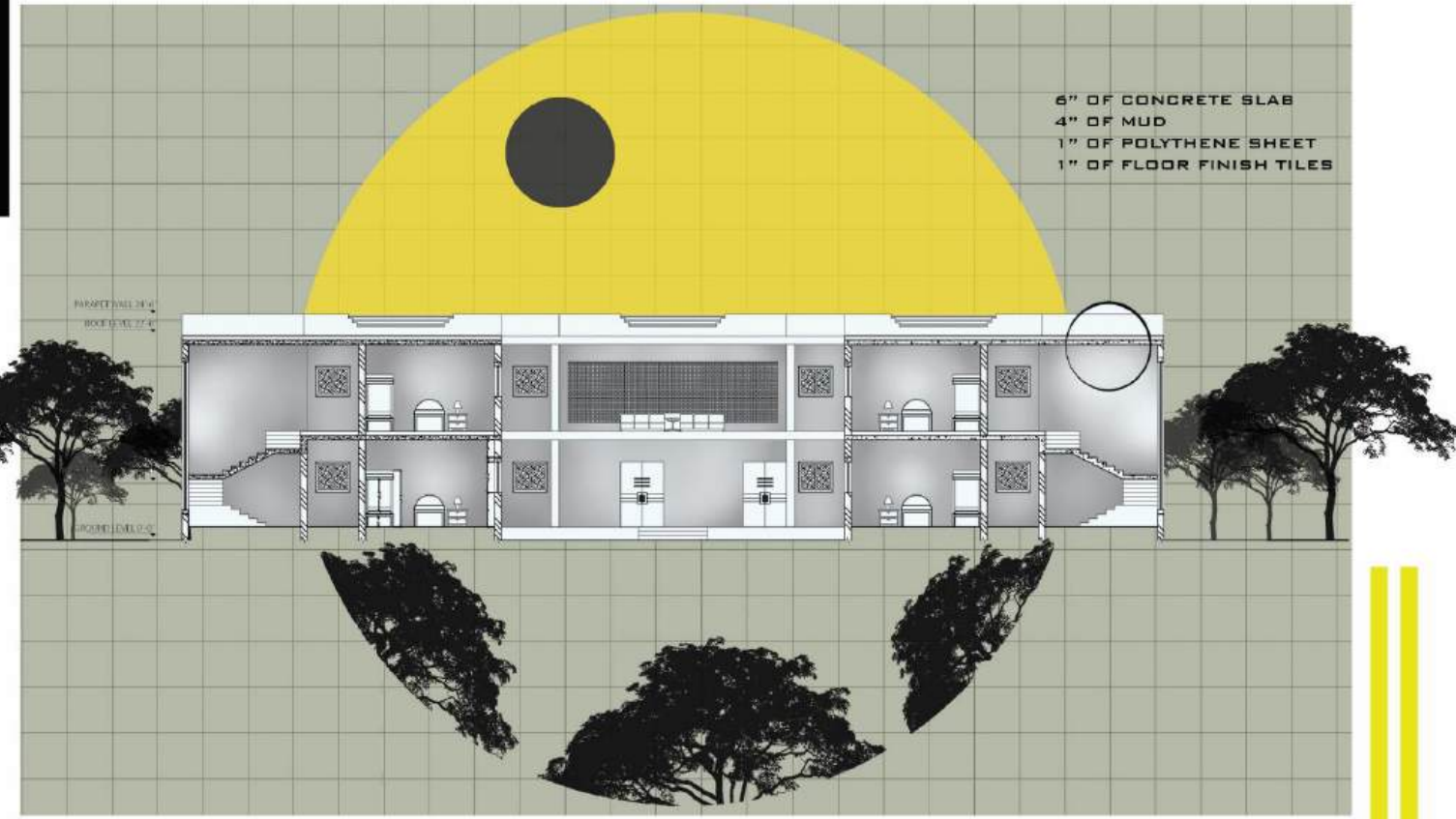
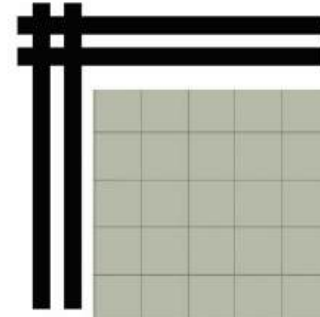


SOUTH ELEVATION
YOUTH HOSTEL

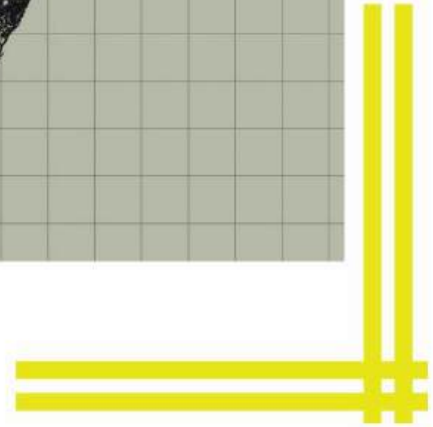




SECTION AA'
YOUTH HOSTEL



SECTION AA'
YOUTH HOSTEL





SECONDARY CARE HOSPITAL

PROJECT

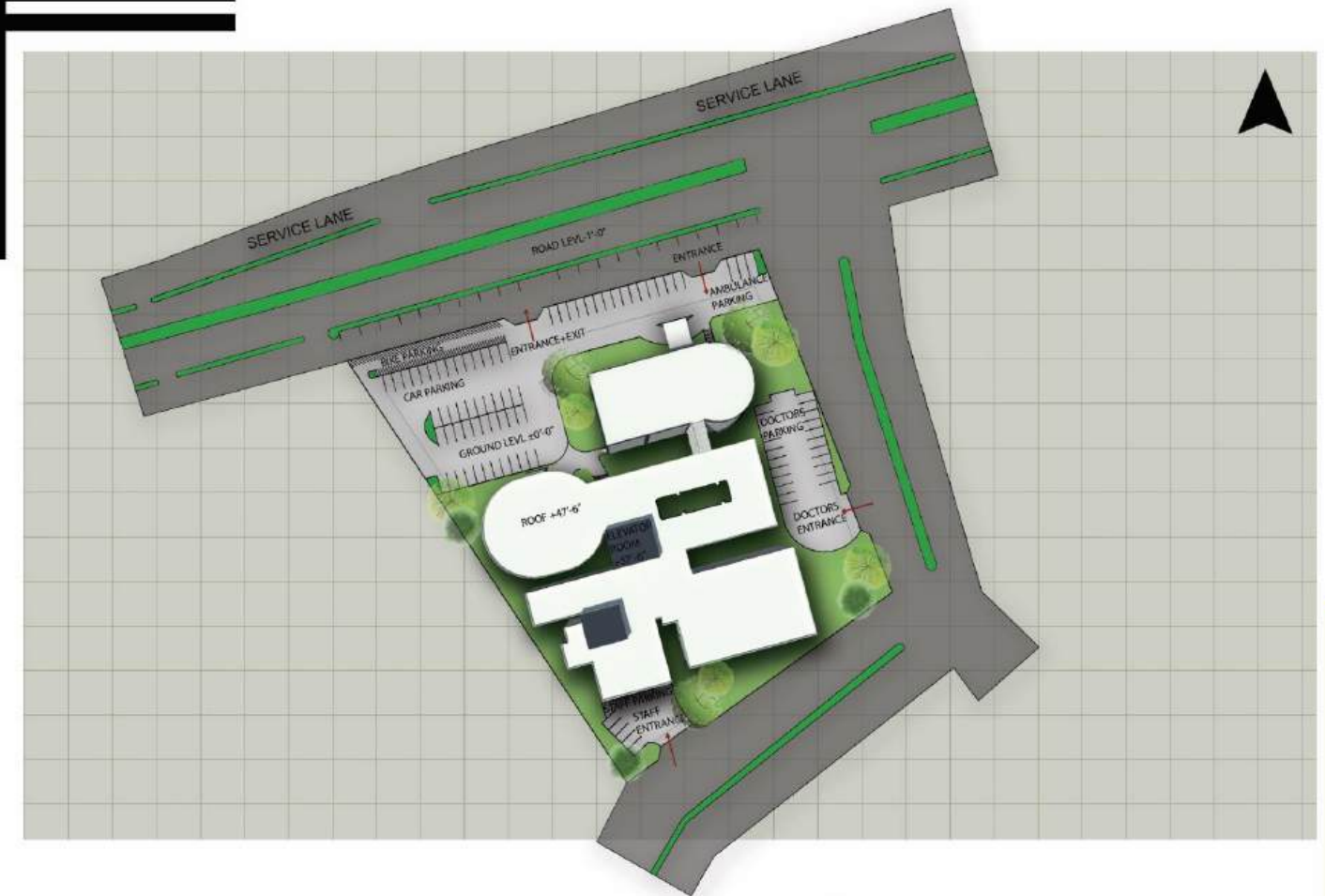
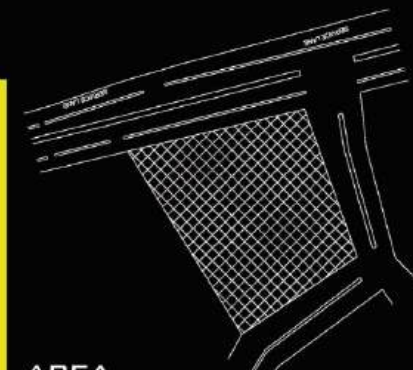
DESIGN A 200 BEDS DHQ HOSPITAL ALONG WITH OPD AND EMERGENCY.

REQUIREMENTS

OPD
EMERGENCY
ADMIN
MEDICAL
PEAD'S
PRIVET ROOMS
SURGICAL WARDS
SURGICAL
GYNE
SERVICES
DIAGNOSTICS
CARDIC
UROLOGY
ORTHO
REST ROOMS
PARKING

SITE

AREA
119630 SQFT



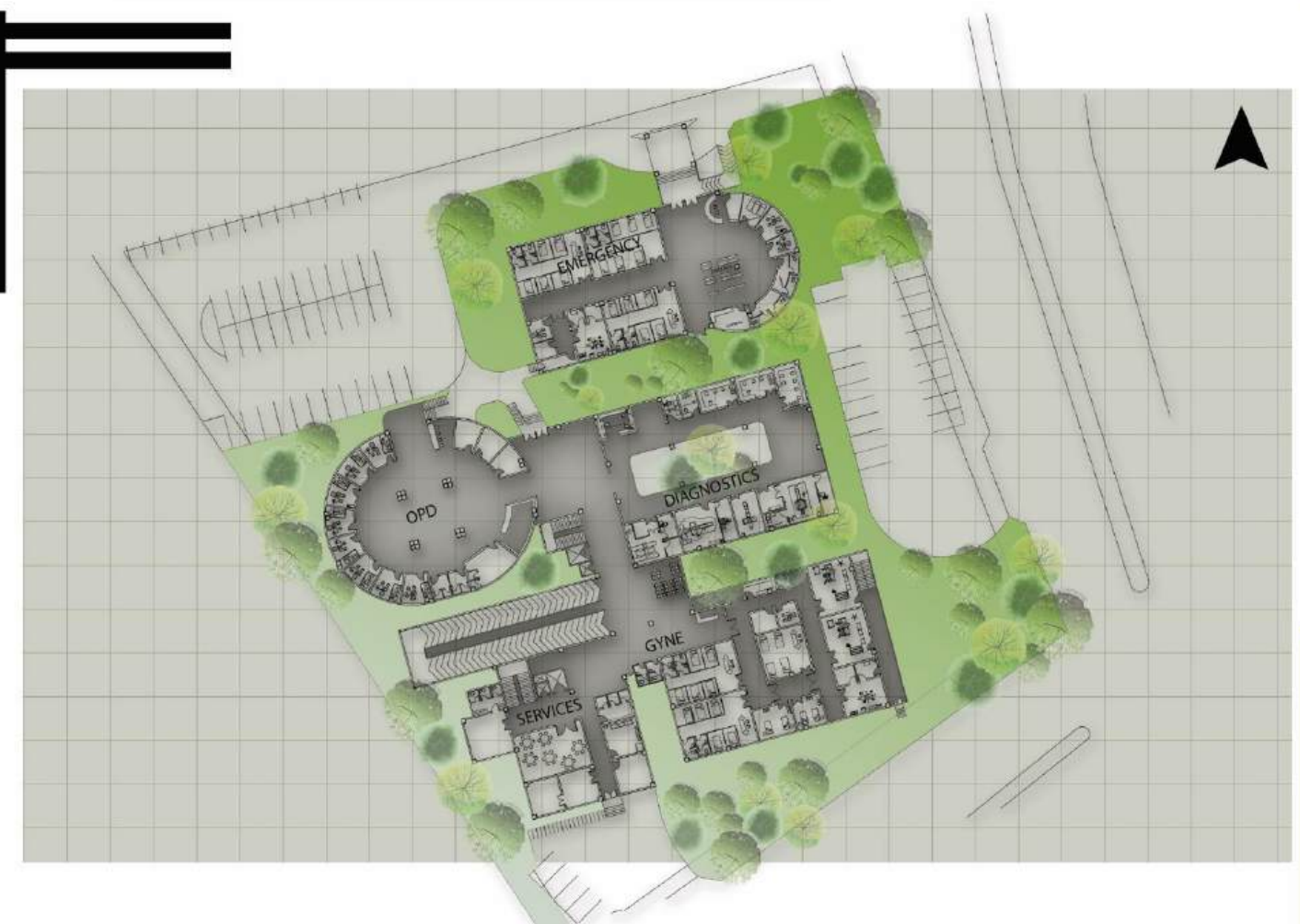
SITE PLAN

SECONDARY CARE HOSPITAL



SITE ANALYSIS

SECONDARY CARE HOSPITAL



GROUND FLOOR PLAN

SECONDARY CARE HOSPITAL



FIRST FLOOR PLAN

SECONDARY CARE HOSPITAL



3D MODEL

SECONDARY CARE HOSPITAL



SECOND FLOOR PLAN

SECONDARY CARE HOSPITAL



3D MODEL

SECONDARY CARE HOSPITAL

SCHOOL OF ART

PROJECT

IN THIS DESIGN EXERCISE WE ARE REQUIRED TO DESIGN A SCHOOL FOR ART AND ARCHITECTURE WHILE UTILIZING THE MAXIMUM NATURAL DAY LIGHT.

REQUIREMENTS

ARCHITECTURE DEPARTMENT
PHOTOGRAPHY
SCULPTURE
GRAPHIC DESIGN
AUDITORIUM
ADMIN
LIBRARY
FOOD COURT
PARKING

SITE



GROUND FLOOR PLAN

SCHOOL OF ART



MASTER PLAN

SCHOOL OF ART



ELEVATIONS

SCHOOL OF ART

SKYSCRAPER HQ40

PROJECT

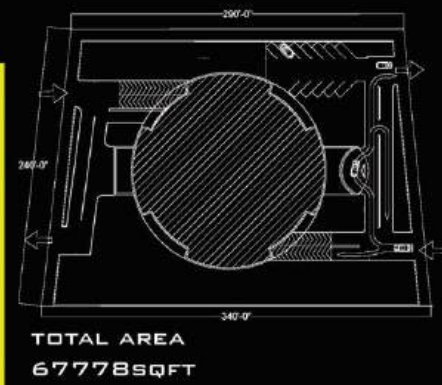
DESIGNING A 40 STORY SKYSCRAPER FOR A BANKING HEADQUARTERS ALONG WITH BASIC NECESSARY FLOORS .

REQUIREMENTS

BANKING FLOORS

CONSUMER BANKING
EXECUTIVE(20)
EMPLOYEES(800)
COOPERATE BANKING
EXECUTIVE(20)
EMPLOYEES(300)
ISLAMIC BANKING
EXECUTIVE(10)
EMPLOYEES(200)
SME BANKING
EXECUTIVE(20)
EMPLOYEES(300)
TREASURY
EXECUTIVE(5)
EMPLOYEES(100)
RETAIL OFFICES
LEARNING AND DEVELOPMENT CENTER
3 SEMINAR ROOMS(100)
4 LECTURE ROOMS(40)
1 AUDITORIUM(300)
DINING HALLS(300)
2 EXECUTIVE BOARD ROOMS

SITE

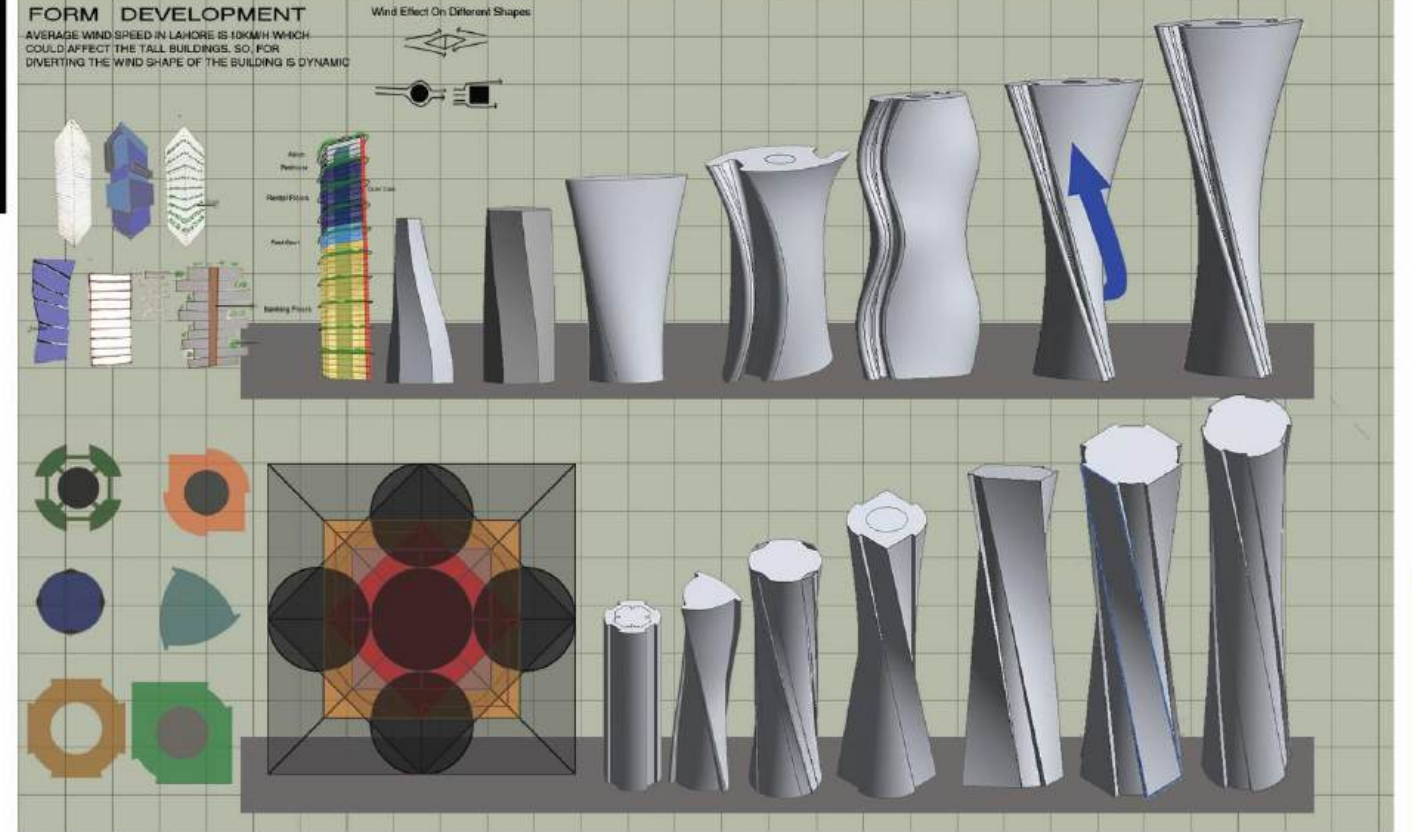


TOTAL AREA
67778sqft

FORM DEVELOPMENT

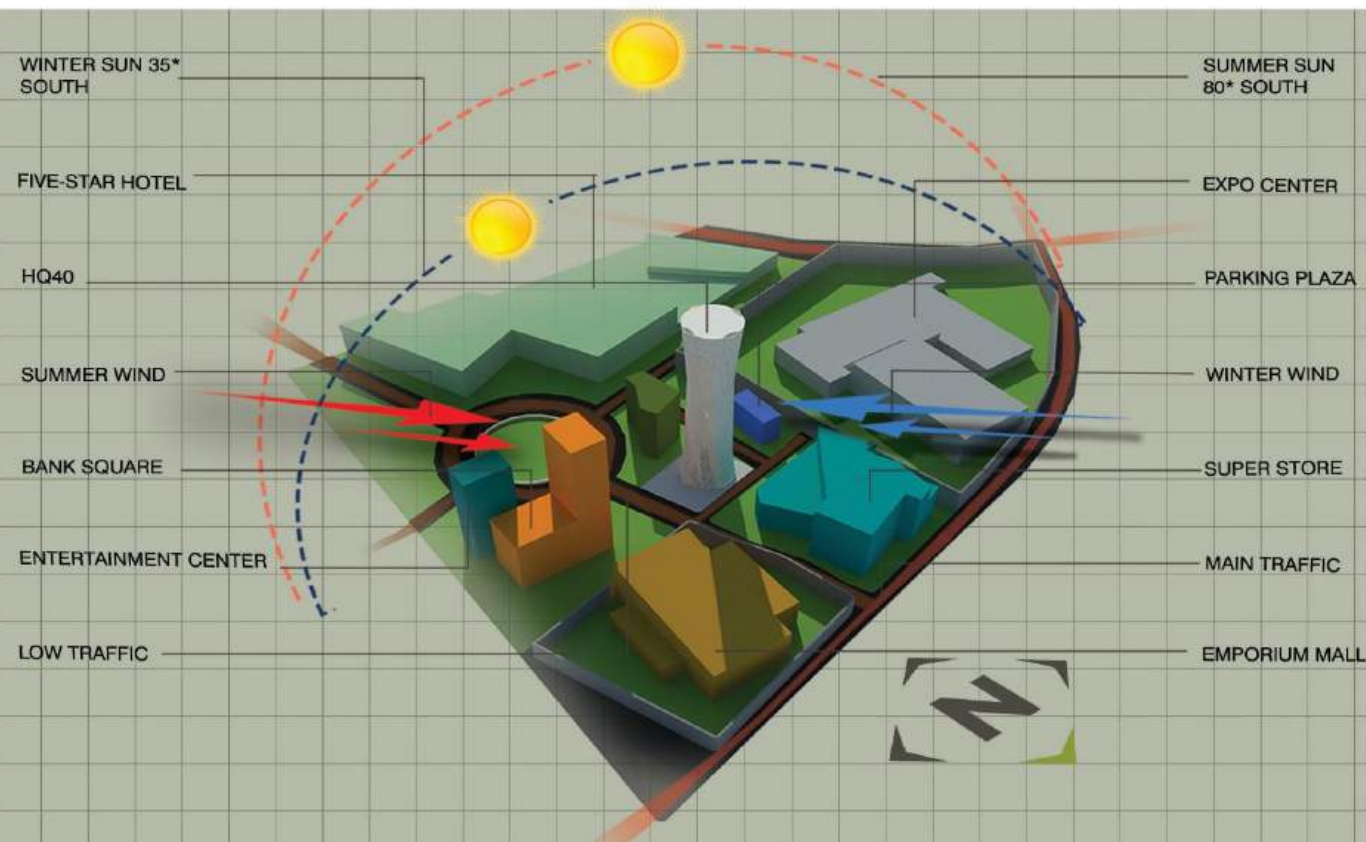
AVERAGE WIND SPEED IN LAHORE IS 10KM/H WHICH COULD AFFECT THE TALL BUILDINGS. SO, FOR DIVERTING THE WIND SHAPE OF THE BUILDING IS DYNAMIC

Wind Effect On Different Shapes



FORM DEVELOPMENT

HQ40



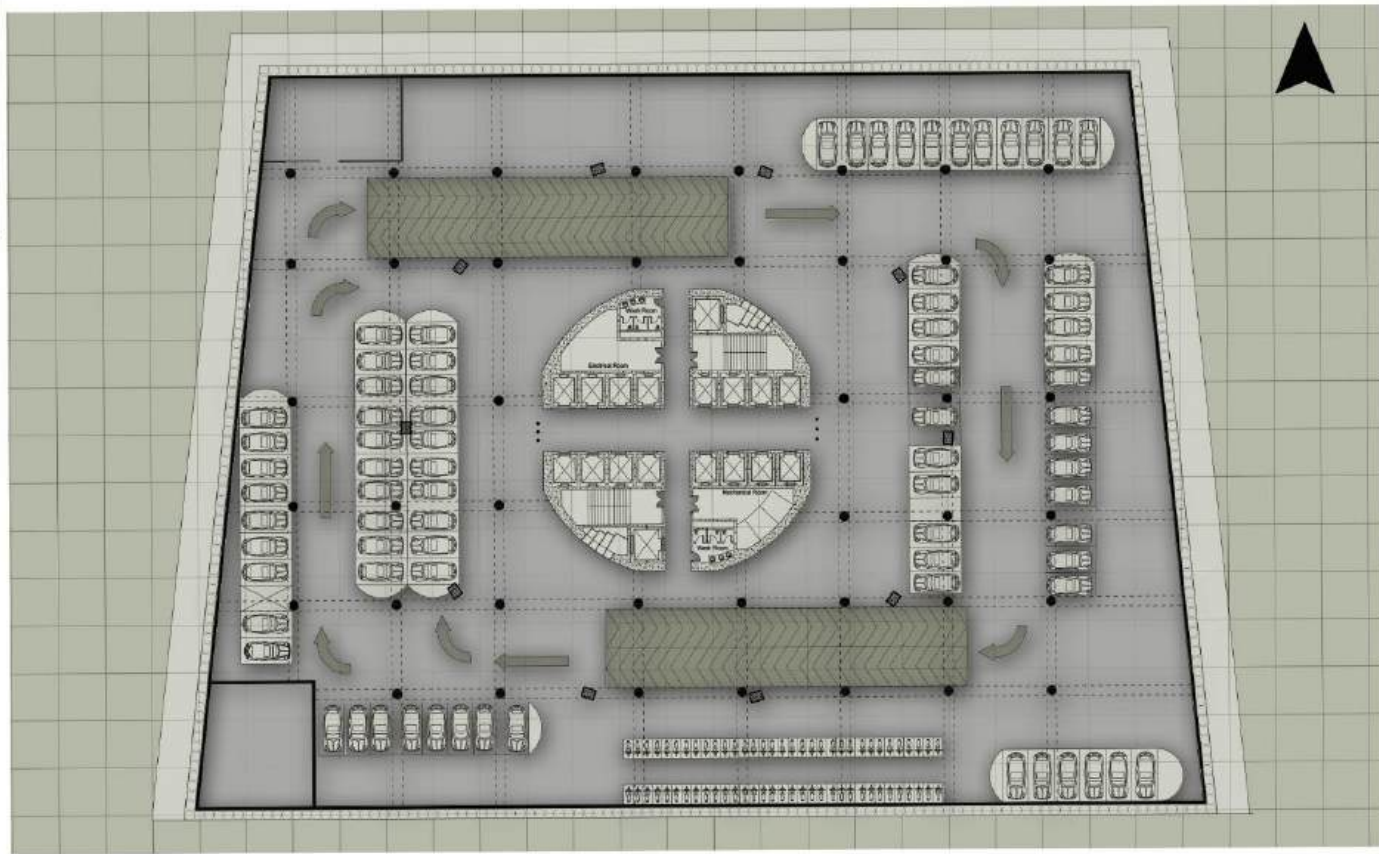
SITE DOCUMENTATION

HQ40



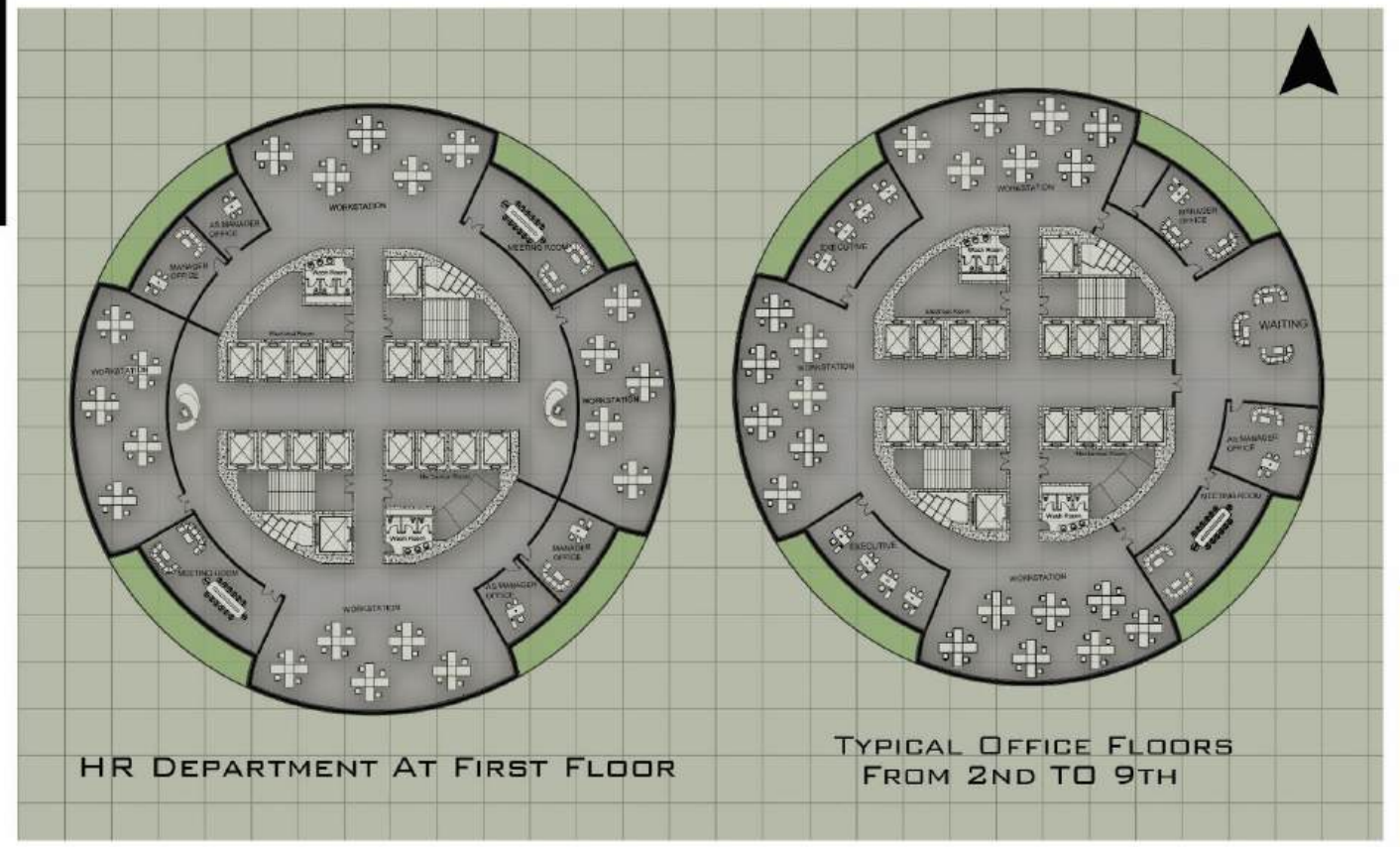
SITE PLAN

HQ40



TYPICAL BASEMENT PLAN

HQ40

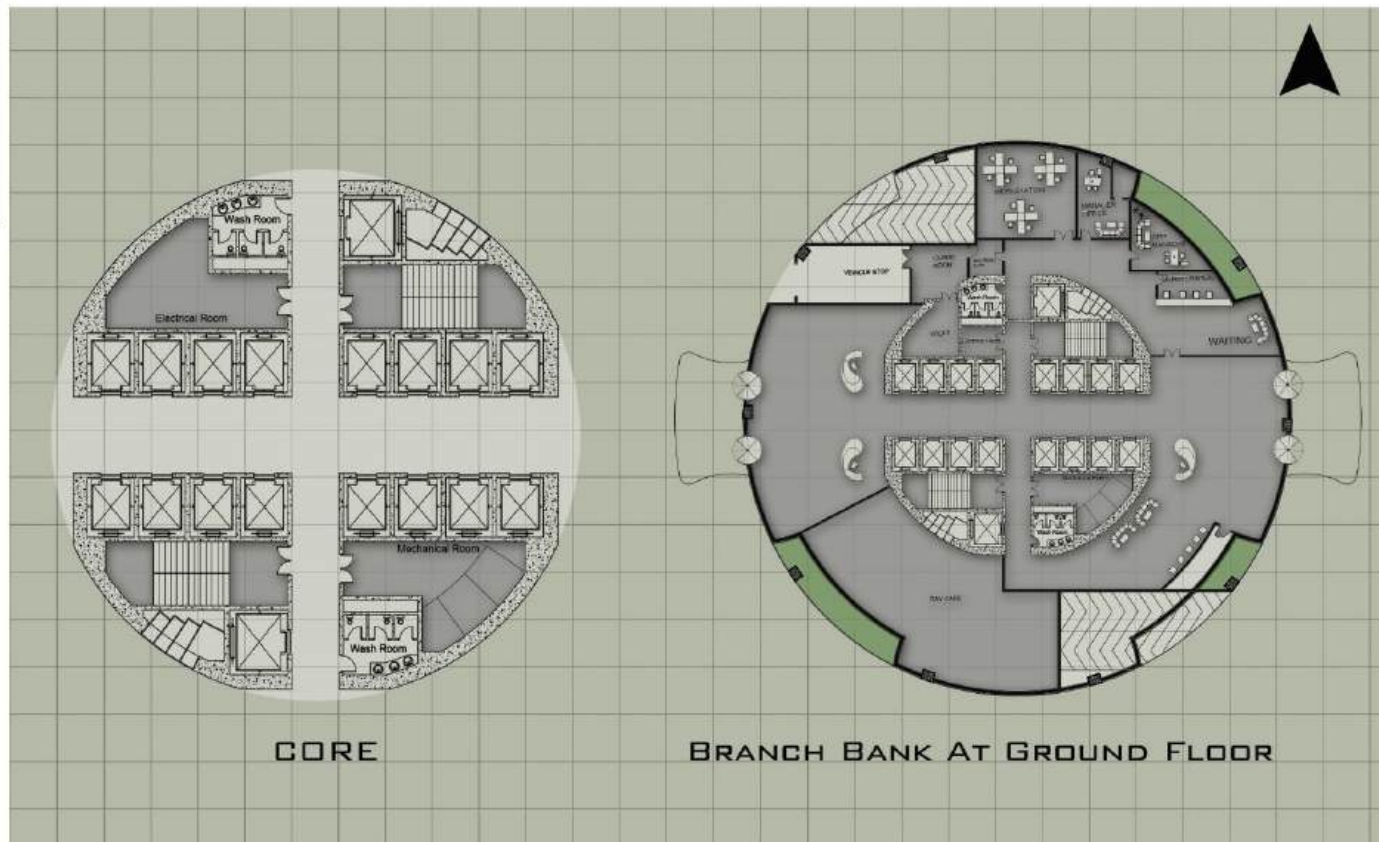


HR DEPARTMENT AT FIRST FLOOR

TYPICAL OFFICE FLOORS
FROM 2ND TO 9TH

PLAN'S

HQ40

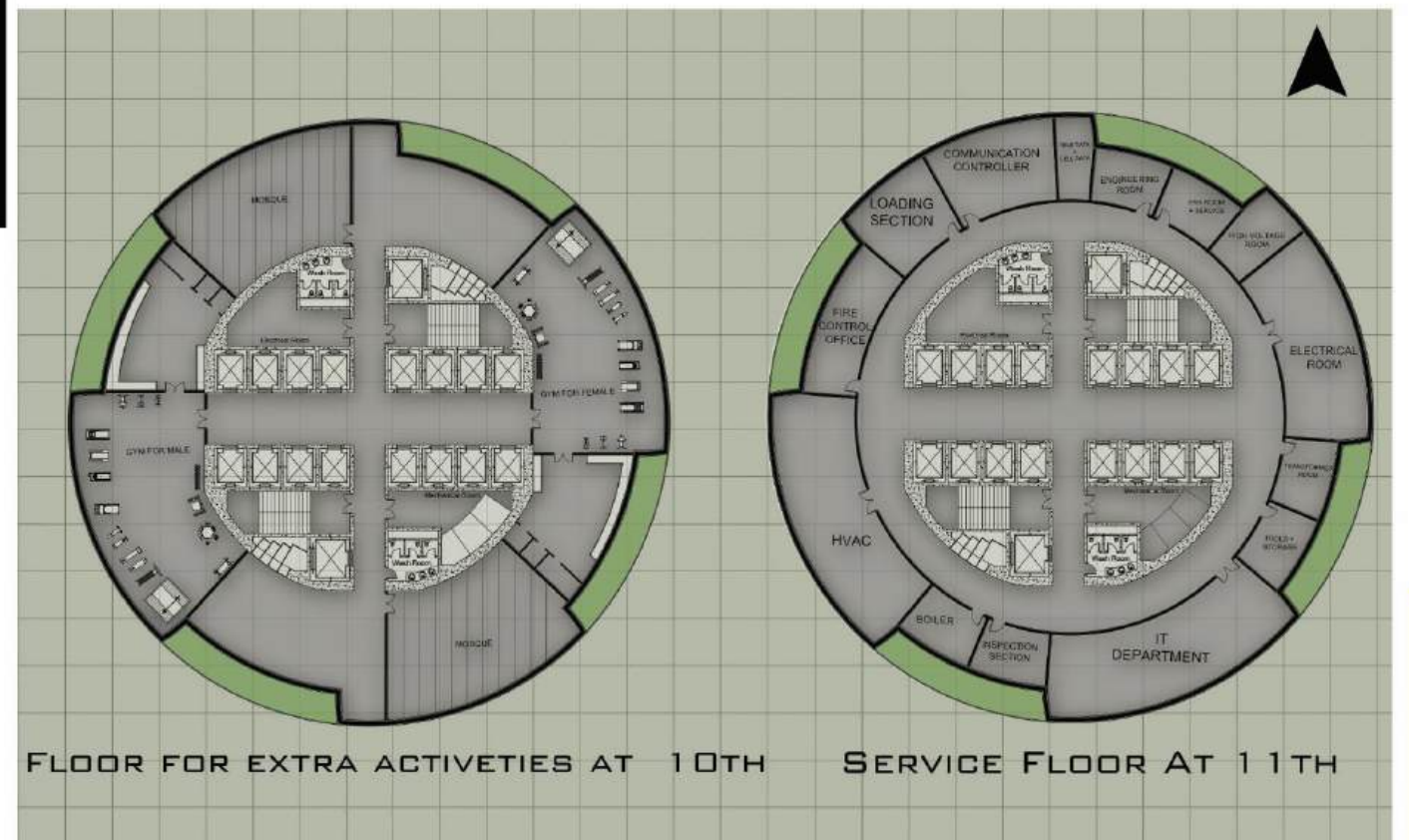


CORE

BRANCH BANK AT GROUND FLOOR

PLAN'S

HQ40

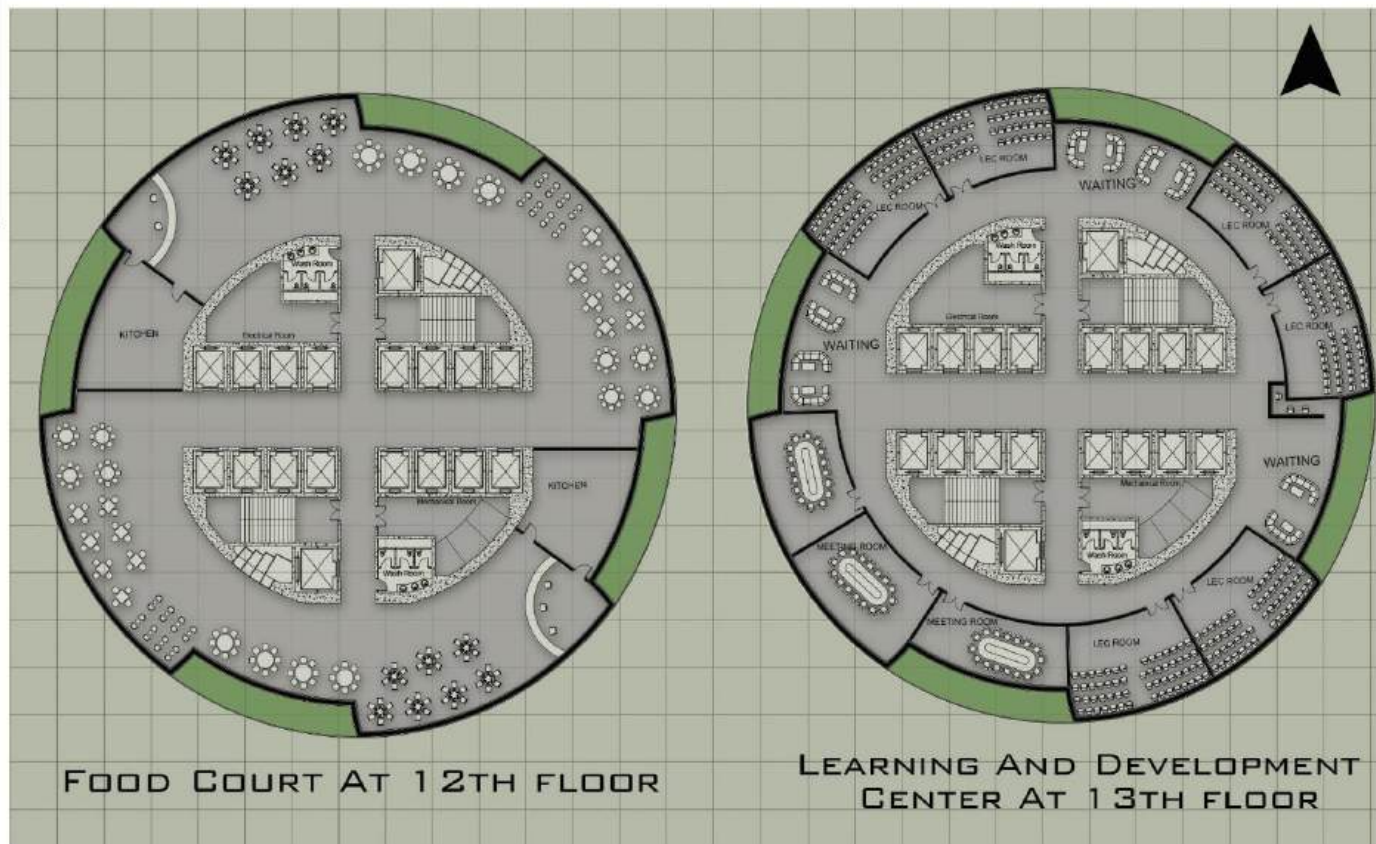


FLOOR FOR EXTRA ACTIVITIES AT 10TH

SERVICE FLOOR AT 11TH

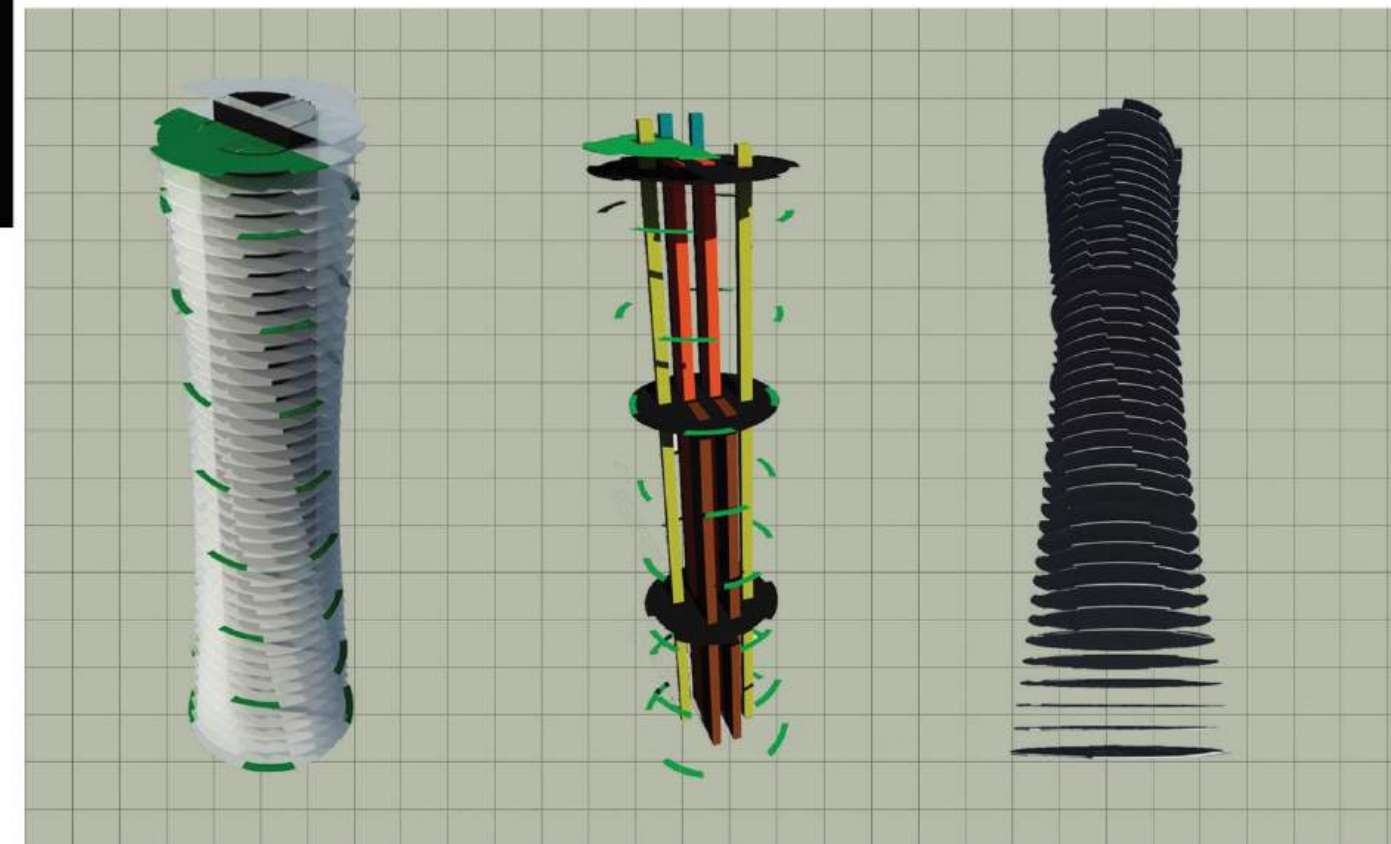
PLAN'S

HQ40



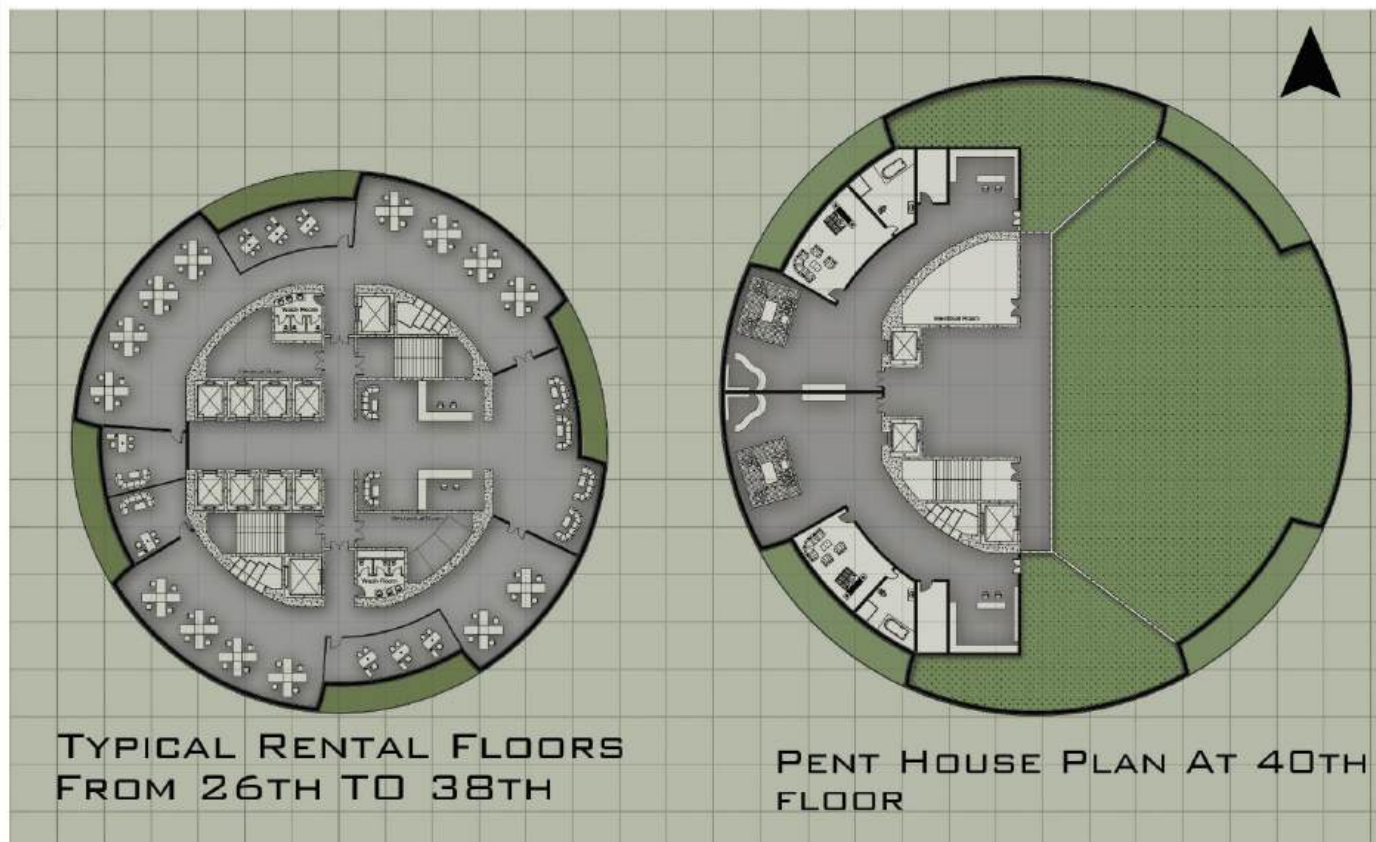
PLAN'S

HQ40



SCHEMATIC'S

HQ40



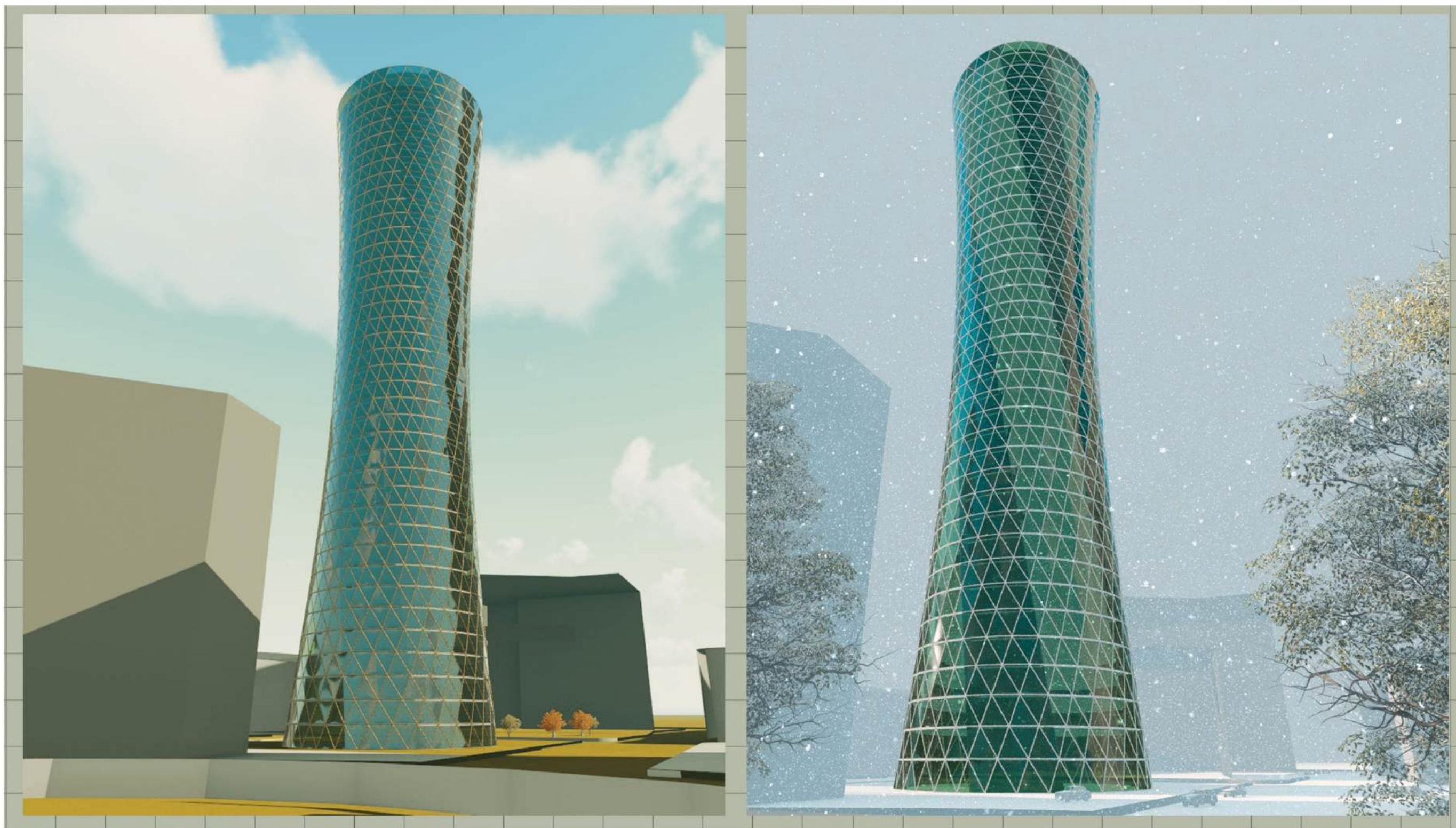
PLAN'S

HQ40



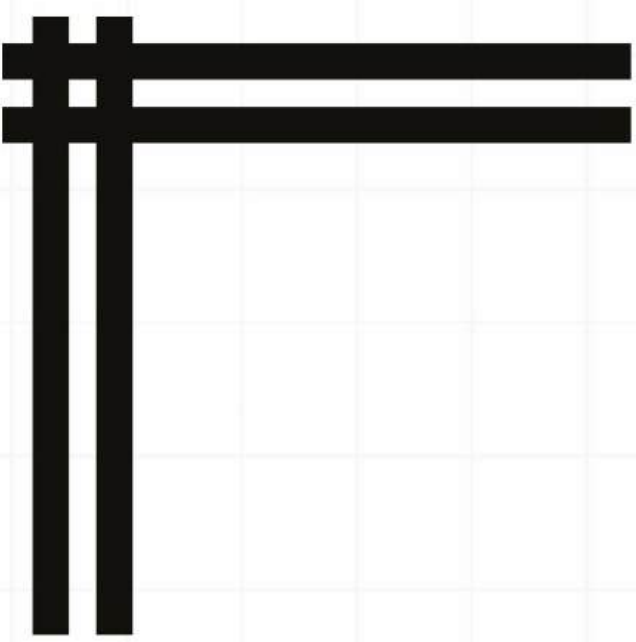
SECTION

HQ40

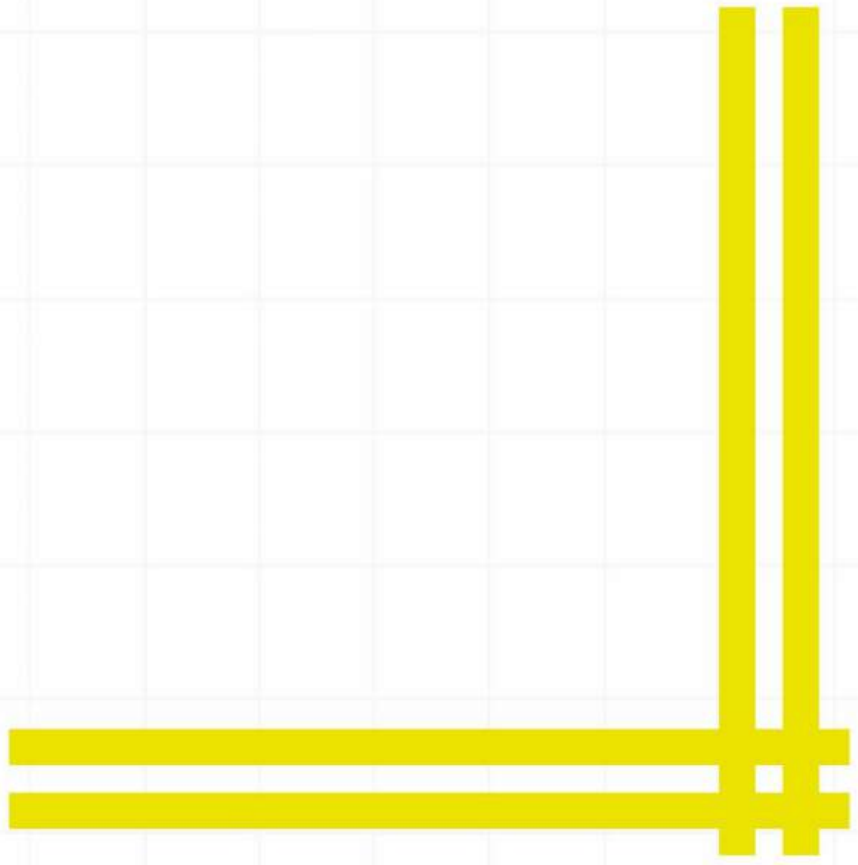


3D MODEL

HQ40



ARCHITECTURAL PRACTICE

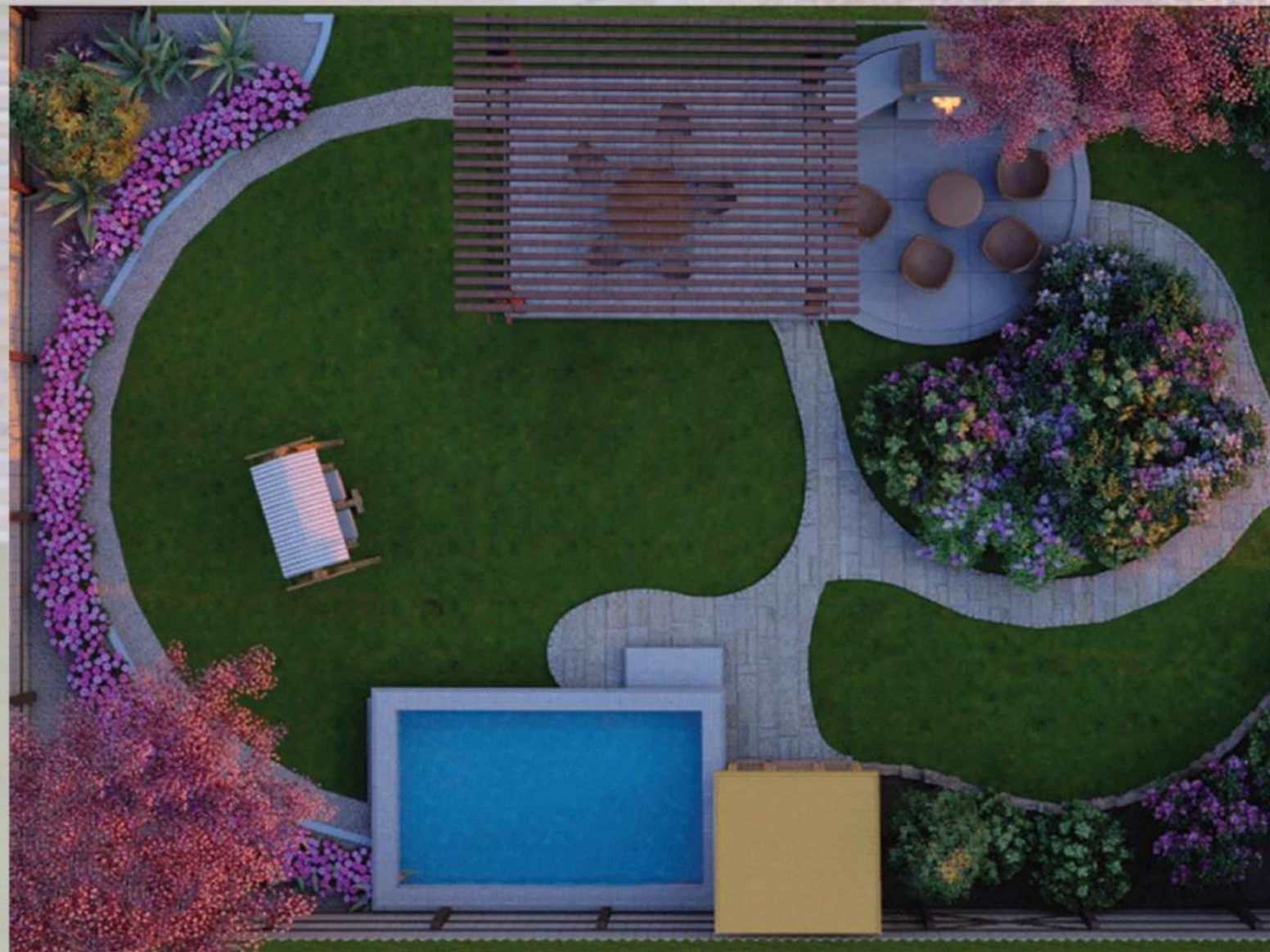






DESIGN & RENDRING

HOUSE



DESIGN & RENDRING

BACKYARD GARDEN



DESIGN & RENDRING

BACKYARD SWIMMING POOL



MODELING & RENDERING

OFFICE BUILDING





DESIGN & RENDRING

OFFICE INTERIOR



DESIGN & RENDRING

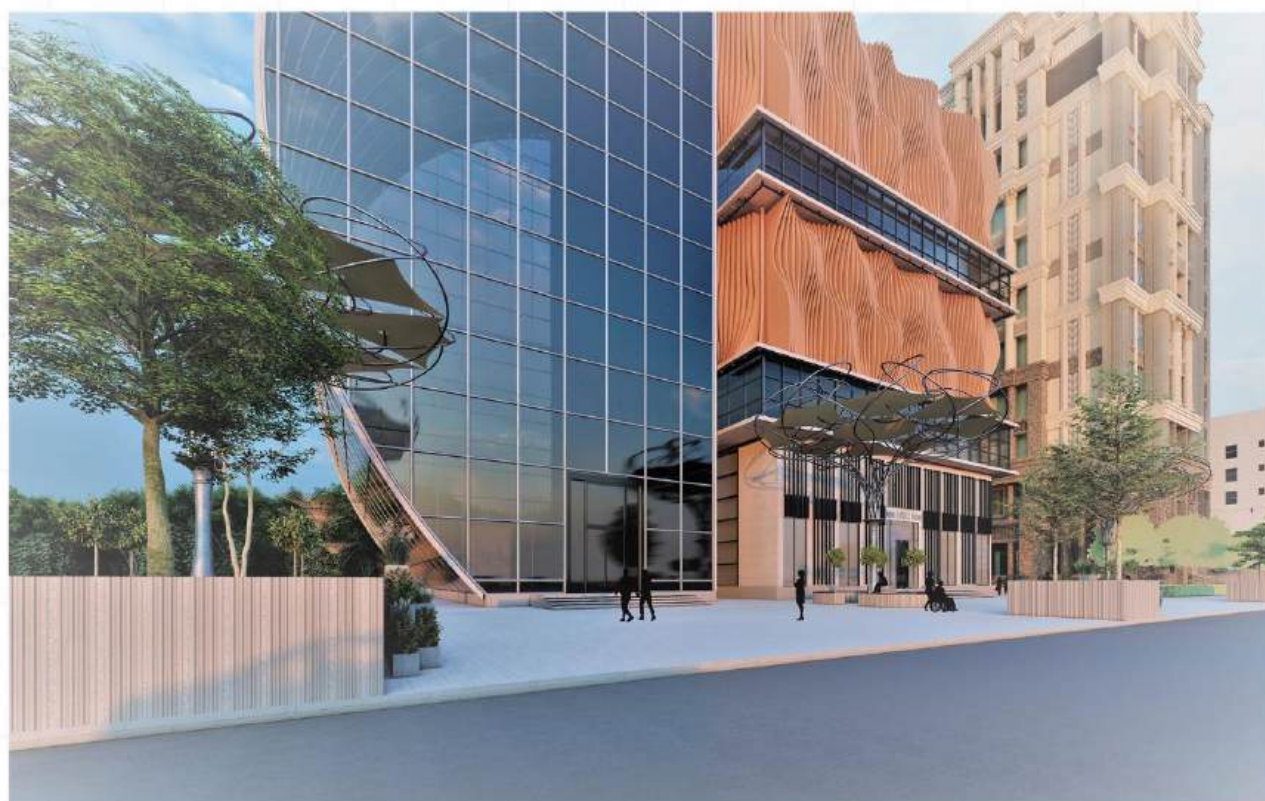
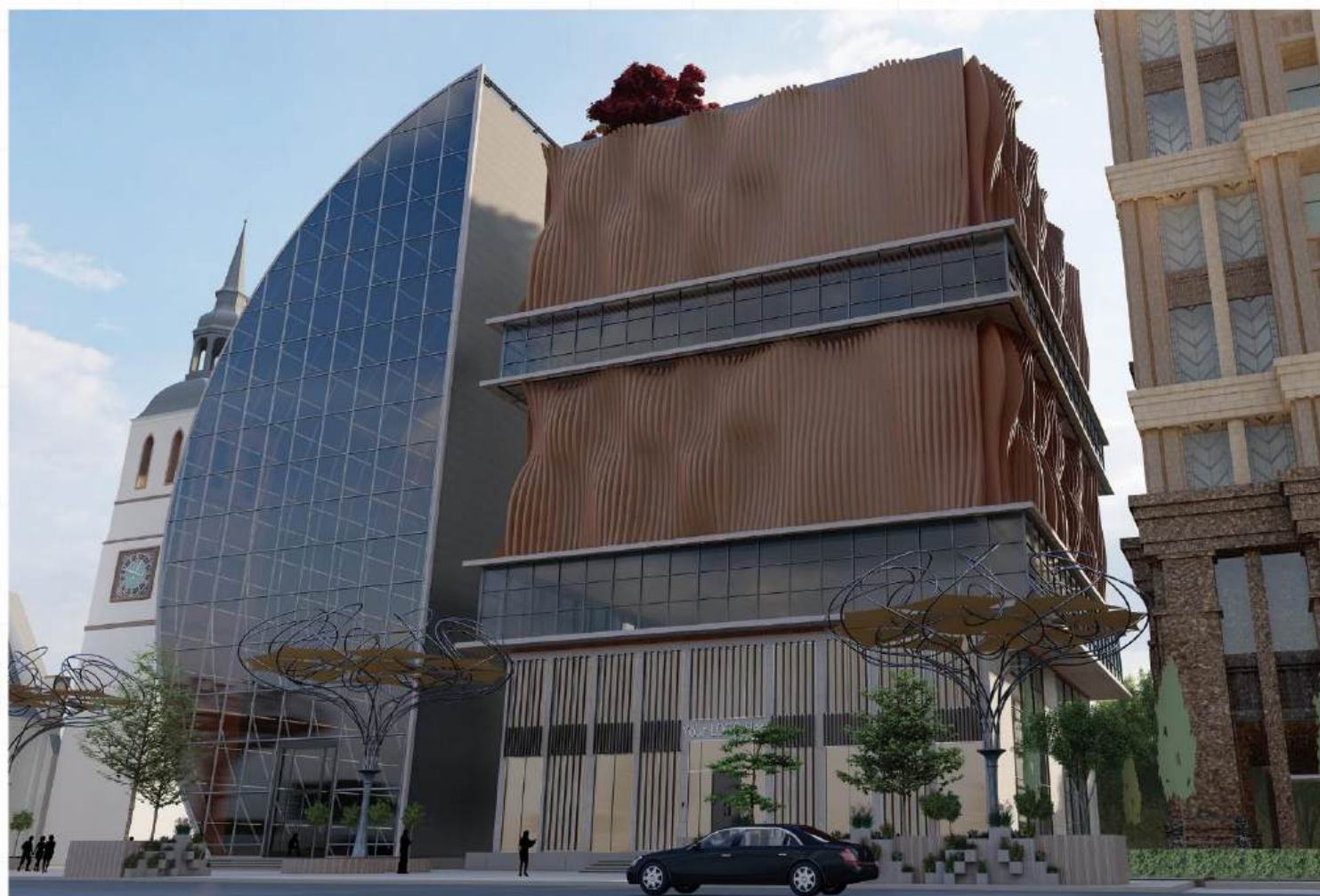
SKYSCRAPER



DESIGN & RENDERING

HOUSE





DESIGN & RENDERING

HIGH RISE



DESIGN & RENDERING

HOUSE







DESIGN & RENDERING

HOUSE



DESIGN & RENDERING

HOUSE







LANDSCAPE & HARDSCAPE DESIGN



PROJECT DESCRIPTION:

MODERN HILLSIDE LUXURY RESIDENCE VISUALIZED WITH A STRONG FOCUS ON LANDSCAPE DESIGN AND 3D MODELING. THE PROJECT HIGHLIGHTS STEPPED OUTDOOR SPACES, SOFT PLANTING, STONE TEXTURES, TERRACES, AND AN INFINITY POOL INTEGRATED WITH THE NATURAL SLOPE. MY SCOPE OF WORK INCLUDED DETAILED 3D MODELING, LANDSCAPE LAYOUT, MATERIAL APPLICATION, LIGHTING, AND HIGH-QUALITY PHOTOREALISTIC EXTERIOR RENDERINGS TO PRESENT THE DESIGN CLEARLY AND REALISTICALLY.

MY ROLE:

LANDSCAPE AND HARDSCAPE DESIGN AND DETAILED 3D MODELING WITH REALISTIC EXTERIOR VISUALIZATION







DESIGN & RENDERING

BACKYARD DESIGN



PROJECT DESCRIPTION:

THIS PROJECT SHOWCASES A MODERN BACKYARD DESIGN DEVELOPED TO CREATE A COMFORTABLE AND FUNCTIONAL OUTDOOR LIVING SPACE. THE DESIGN INCLUDES A SWIMMING POOL WITH A SURROUNDING DECK AND LOUNGE AREA FOR RELAXATION. A COVERED BBQ AND DINING PAVILION PROVIDES SPACE FOR OUTDOOR GATHERINGS AND ENTERTAINMENT. LANDSCAPING ELEMENTS, GREENERY, AND RETAINING WALLS ENHANCE THE VISUAL APPEAL AND STRUCTURE OF THE SPACE. SAFETY FENCING AND CLEAR PATHWAYS ENSURE BOTH ACCESSIBILITY AND SECURITY THROUGHOUT THE BACKYARD AREA.

MY ROLE:

DESIGNED THE BACKYARD LAYOUT, INCLUDING THE POOL AREA, BBQ PAVILION, SEATING ZONES, AND LANDSCAPE FEATURES. CREATED THE 3D MODEL AND VISUAL PRESENTATION OF THE OUTDOOR SPACE.







PROJECT DESCRIPTION:

THIS PROJECT SHOWCASES A MODERN INTERIOR DESIGNED TO CREATE A COMFORTABLE AND ELEGANT RESIDENTIAL SPACE. THE DESIGN FOCUSES ON A BALANCED COMBINATION OF NEUTRAL COLORS, NATURAL MATERIALS, AND MODERN FURNITURE ELEMENTS. DECORATIVE LIGHTING, WALL PANELS, AND MARBLE FLOORING ENHANCE THE OVERALL VISUAL APPEAL OF THE SPACE

MY ROLE:

I WAS RESPONSIBLE FOR DESIGNING THE COMPLETE INTERIOR, INCLUDING SPACE PLANNING, FURNITURE LAYOUT, LIGHTING SELECTION, AND MATERIAL FINISHES. I DEVELOPED THE 3D MODEL AND CREATED REALISTIC VISUALIZATIONS TO PRESENT THE OVERALL DESIGN CONCEPT. THE FOCUS WAS ON ACHIEVING A MODERN, ELEGANT, AND FUNCTIONAL LIVING ENVIRONMENT





