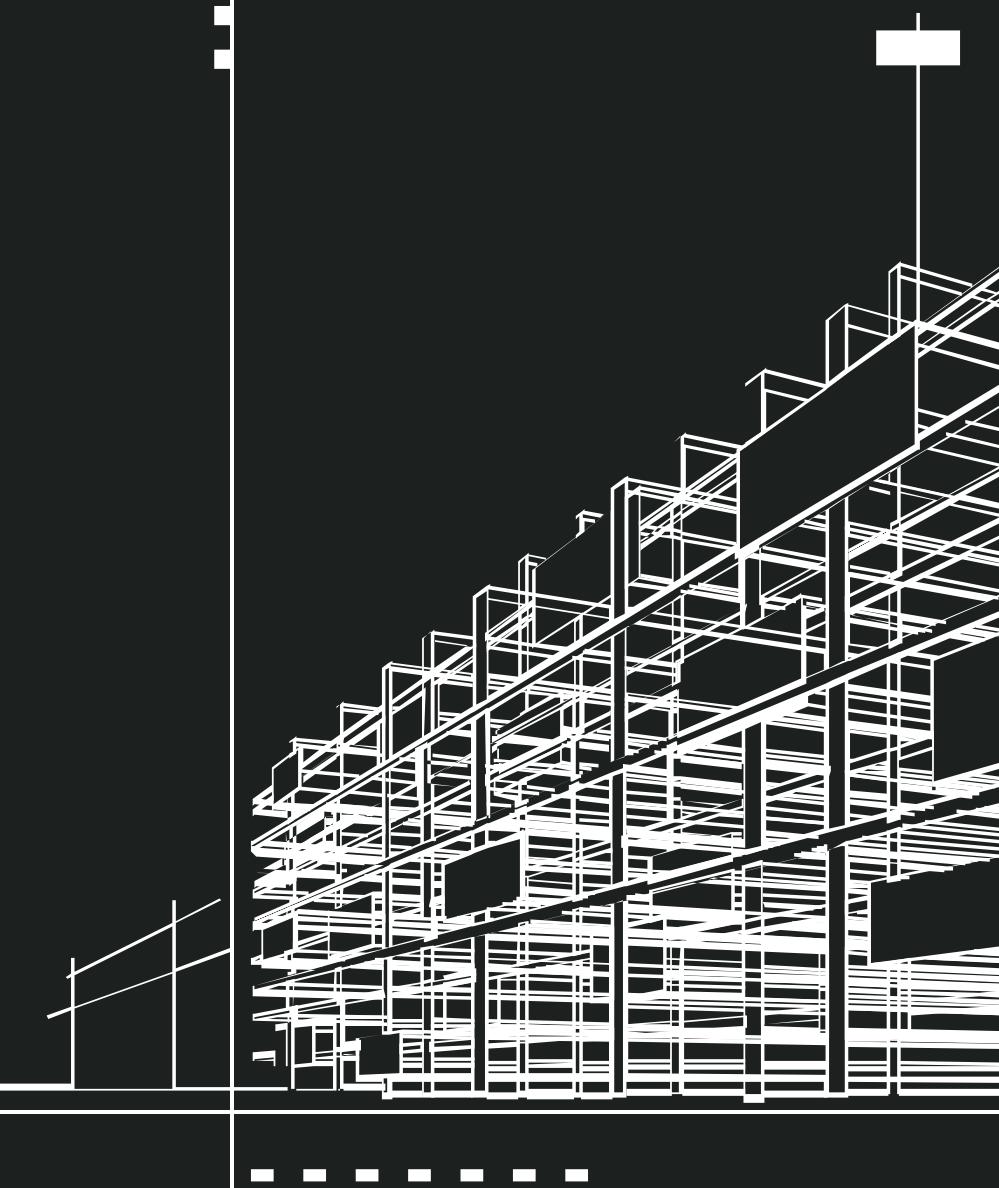


portfolio

YANI JOY PAROAN

selected works 2021-2025







PERSONAL INFORMATION

FULL NAME:	YANI JOY CUIZON PAROAN	
AGE:	23	
ADDRESS:	BLK 69 LOT 24 GRAN AVILA BGRY. MAJADA OUT CALAMBA LAGUNA	
DATE OF BIRTH:	AUGUST 1, 2001	
NATIONALITY:	FILIPINO	
CIVIL STATUS:	SINGLE	

CAREER OBJECTIVE:

PASSIONATE ABOUT CREATIVE AND THOUGHTFUL DESIGN, WITH SKILLS IN DRAWING, 3D MODELING, SPACE PLANNING, AND PROBLEM-SOLVING TO CREATE FUNCTIONAL, SUSTAINABLE, AND PEOPLE-CENTERED SPACES. ABLE TO WORK INDEPENDENTLY WITH FOCUS AND INITIATIVE, WHILE ALSO THRIVING IN TEAM SETTINGS THROUGH COLLABORATION AND SHARED IDEAS. STRONG TIME MANAGEMENT, EAGER TO LEARN, IMPROVE, AND GROW IN THE ARCHITECTURAL FIELD.

YANI JOY C. PAROAN

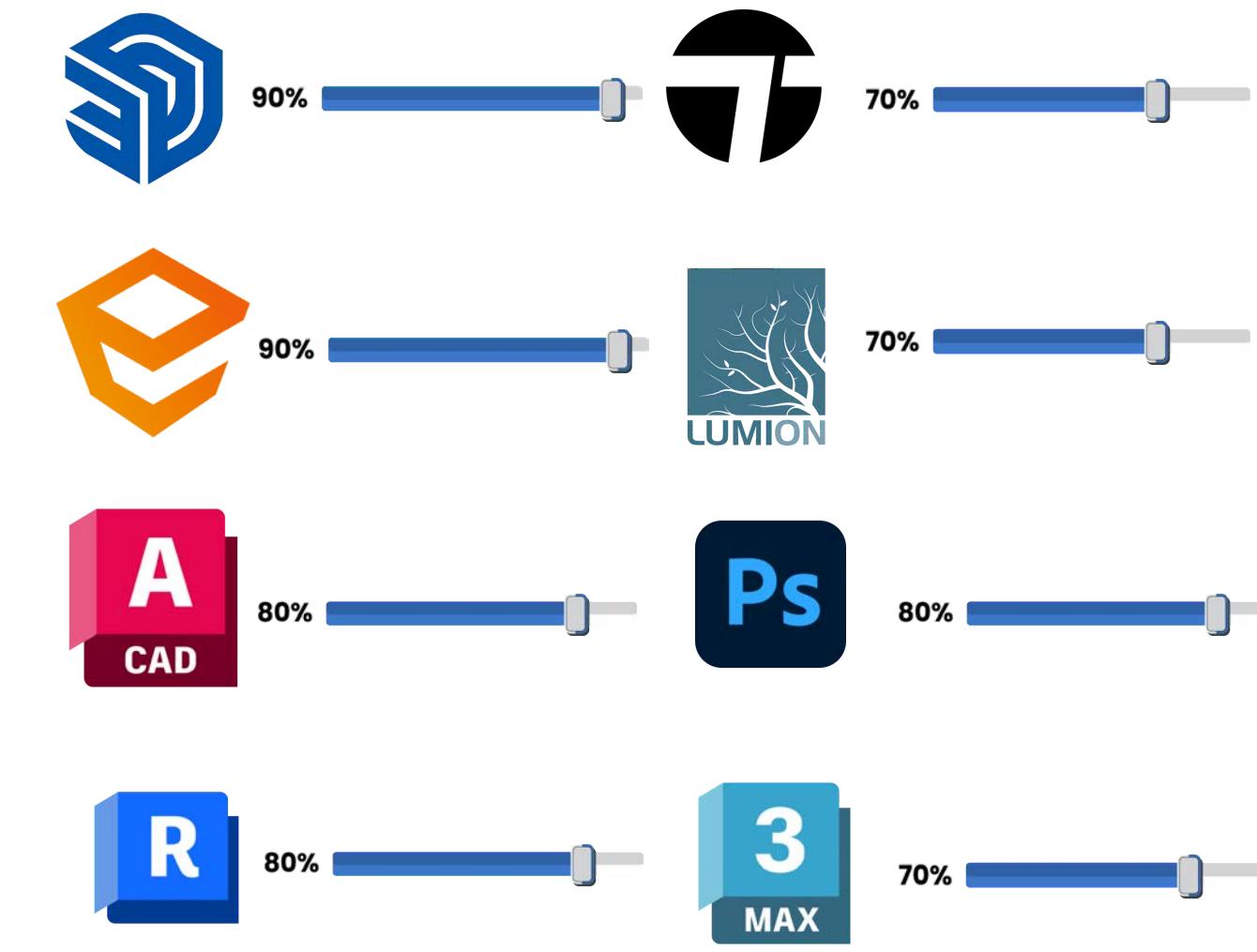
EDUCATION

- 2020-2025
COLEGIO DE SAN JUAN DE LETRAN CALAMBA
BACHELOR OF SCIENCE IN
ARCHITECTURE
- 2018 - 2020
COLEGIO DE SAN JUAN DE LETRAN CALAMBA
STEM (SCIENCE, TECHNOLOGY,
ENGINEERING, AND MATHEMATICS)
STRAND
- 2014 - 2018
UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA
JUNIOR HIGH SCHOOL

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- YANI JOY PAROAN

SOFTWARES



content



01.

RESIDENTIAL BUILDING



03.

PARKS AND URBAN PLANNING



02.

COMPLEX BUILDINGS



04.

MANUAL AND OTHER WORKS

1.1

MODERN SINGLE HOUSE



MODERN SINGLE HOUSE

THIS MODERN SINGLE-DETACHED HOUSE IS DESIGNED FOR A FAMILY OF 4 TO 6 MEMBERS, COMBINING COMFORT, FUNCTIONALITY, AND A CLEAN ARCHITECTURAL FORM. ELEVATED WITH THREE STEPS BEFORE ENTRY, THE STRUCTURE ADDS A SENSE OF PRIVACY AND PRESENCE.

THE HOUSE INCLUDES:

- 2 CARPORT
- PORCH
- LIVING AREA
- DINING AREA
- KITCHEN
- PANTRY
- 2 BEDROOMS
- 1 MASTER BEDROOM WITH T&B
- COMMON TOILET & BATH



FRONT ELEVATION



LEFT SIDE ELEVATION



RIGHT SIDE ELEVATION



LIVING AREA



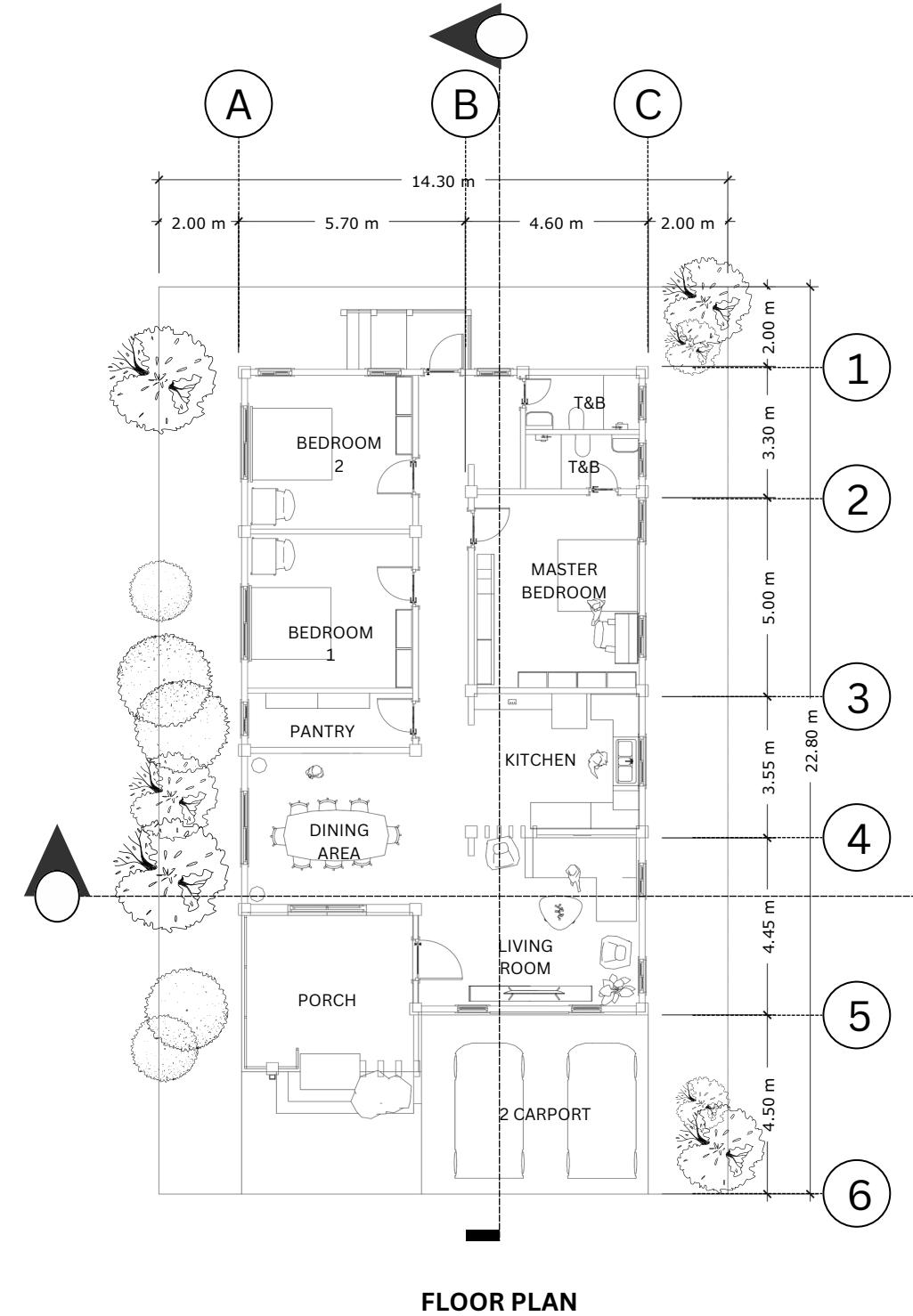
DINING AREA



MASTER BEDROOM



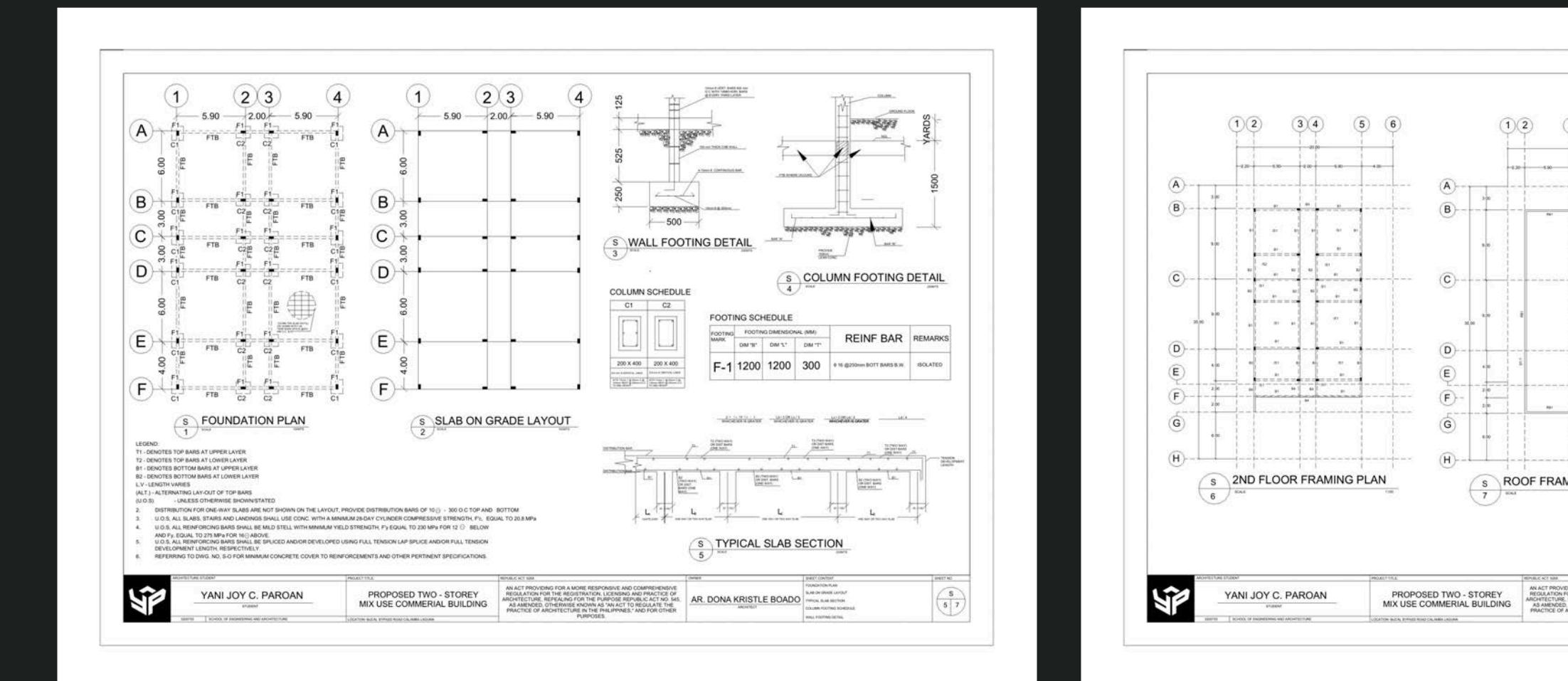
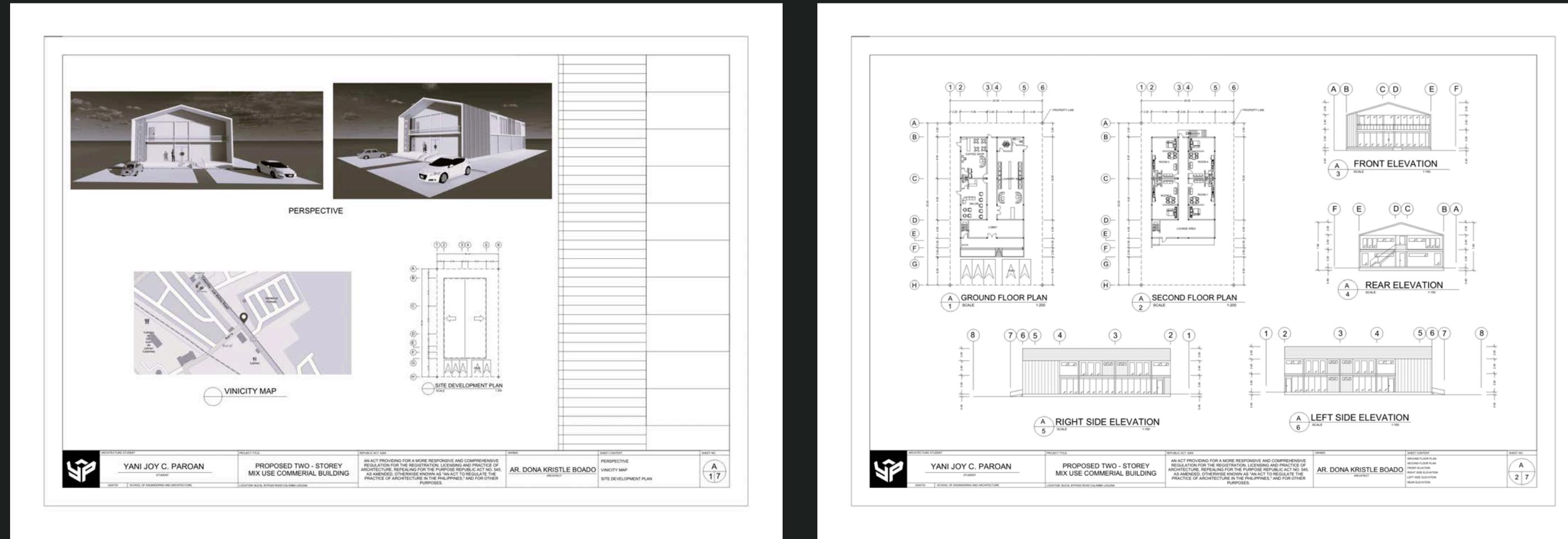
EXTERIOR PERSPECTIVE

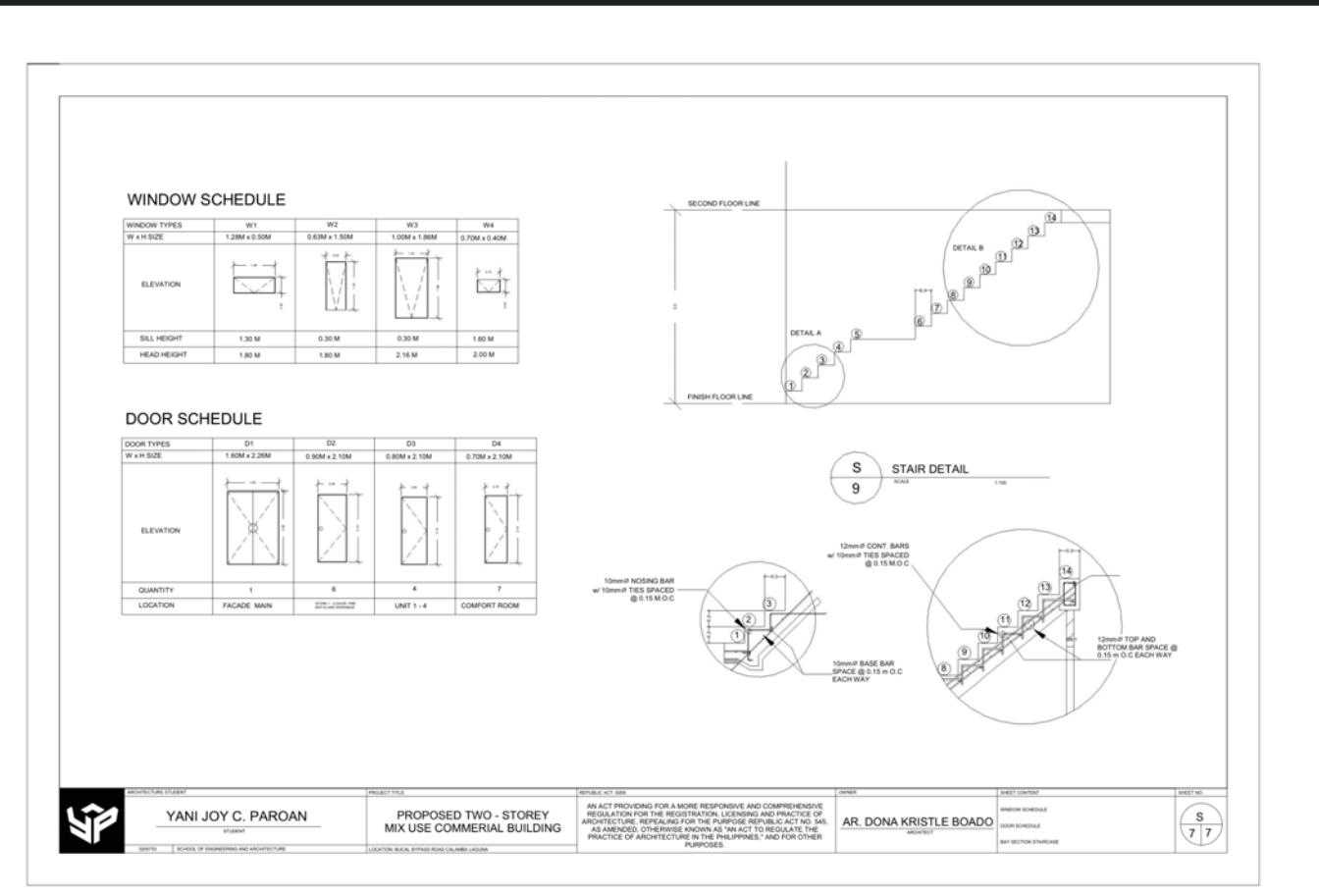
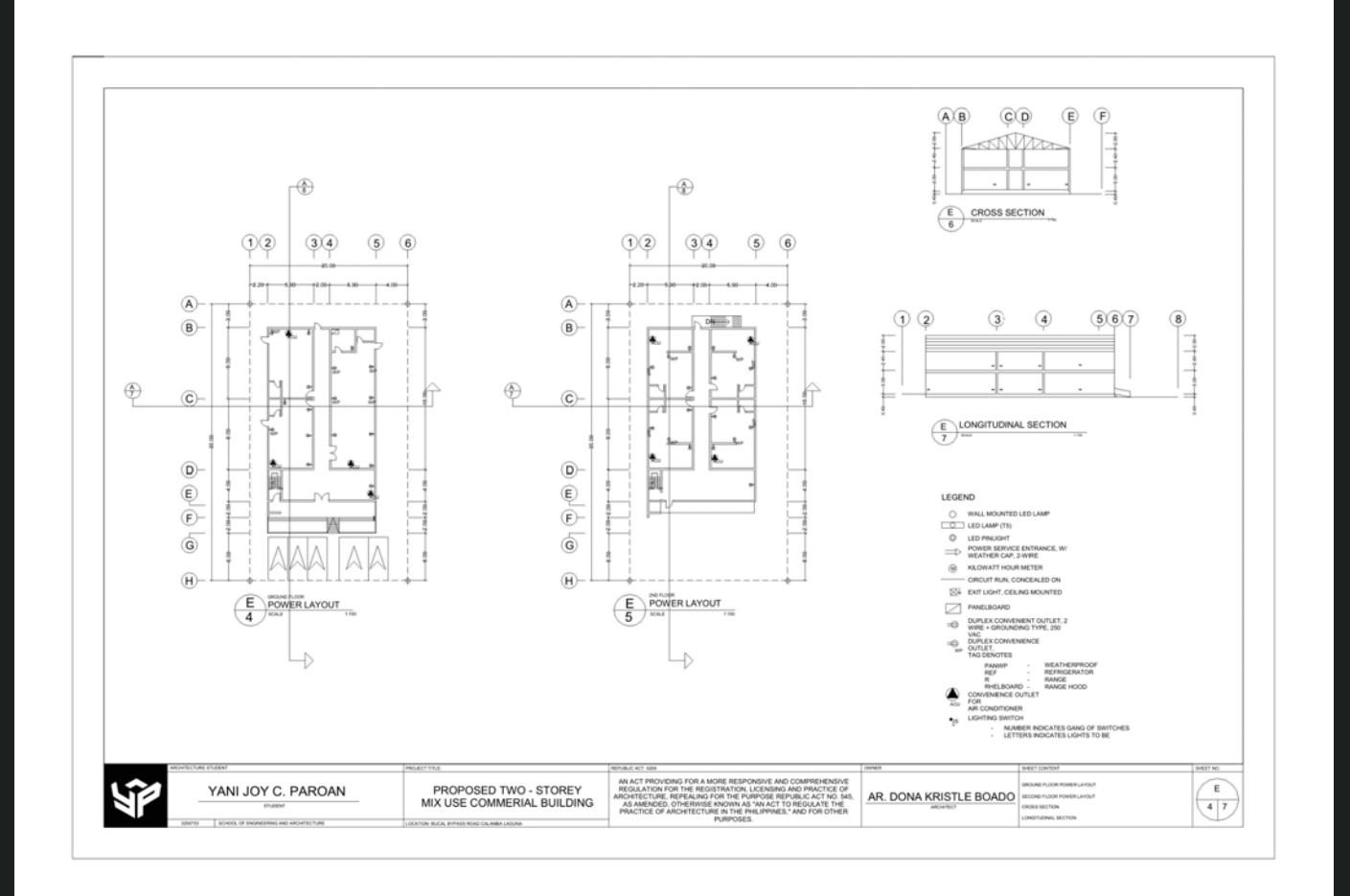
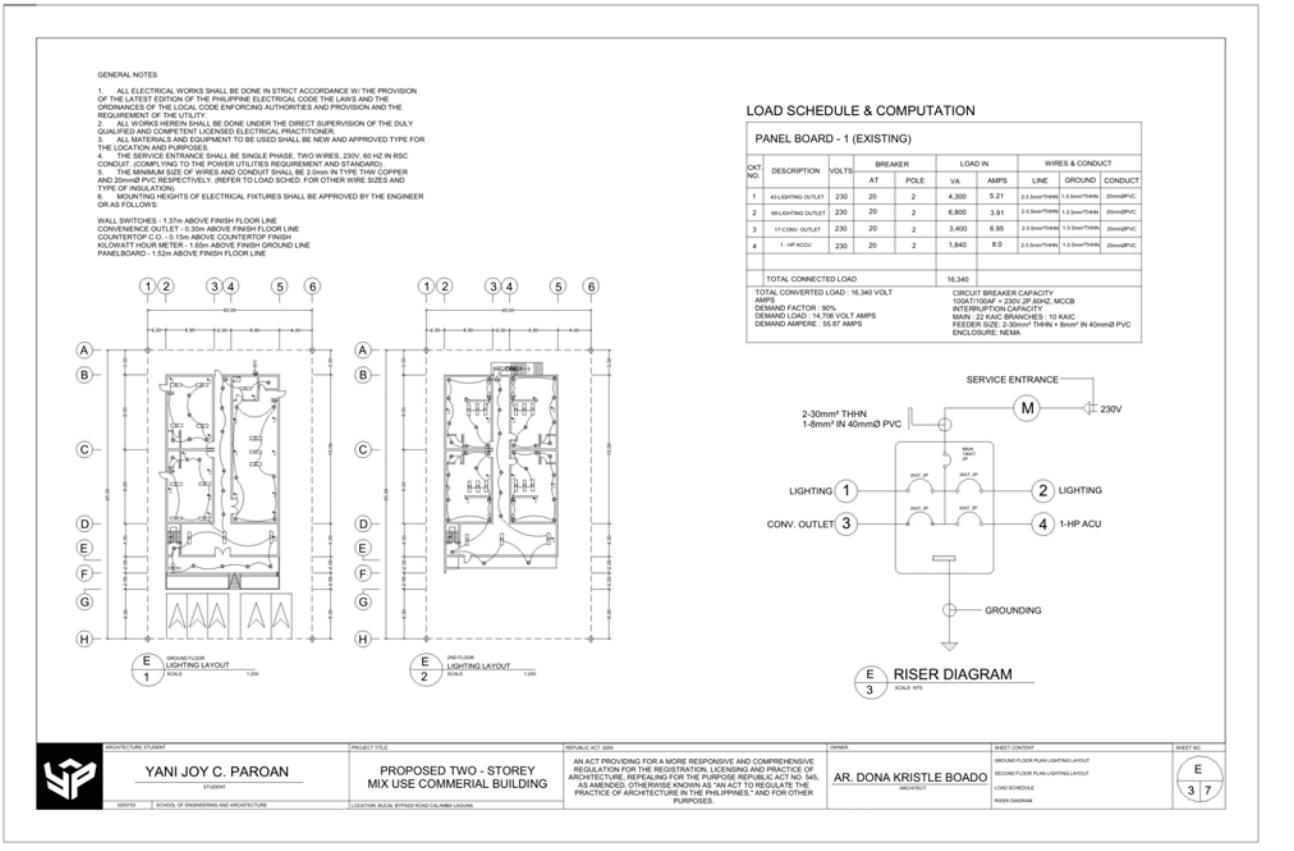


FLOOR PLAN

1.2

PROPOSED TWO - STOREY MIX USE COMMERCIAL BUILDING ARCHITECTURAL DRAWINGS (DETAILED)



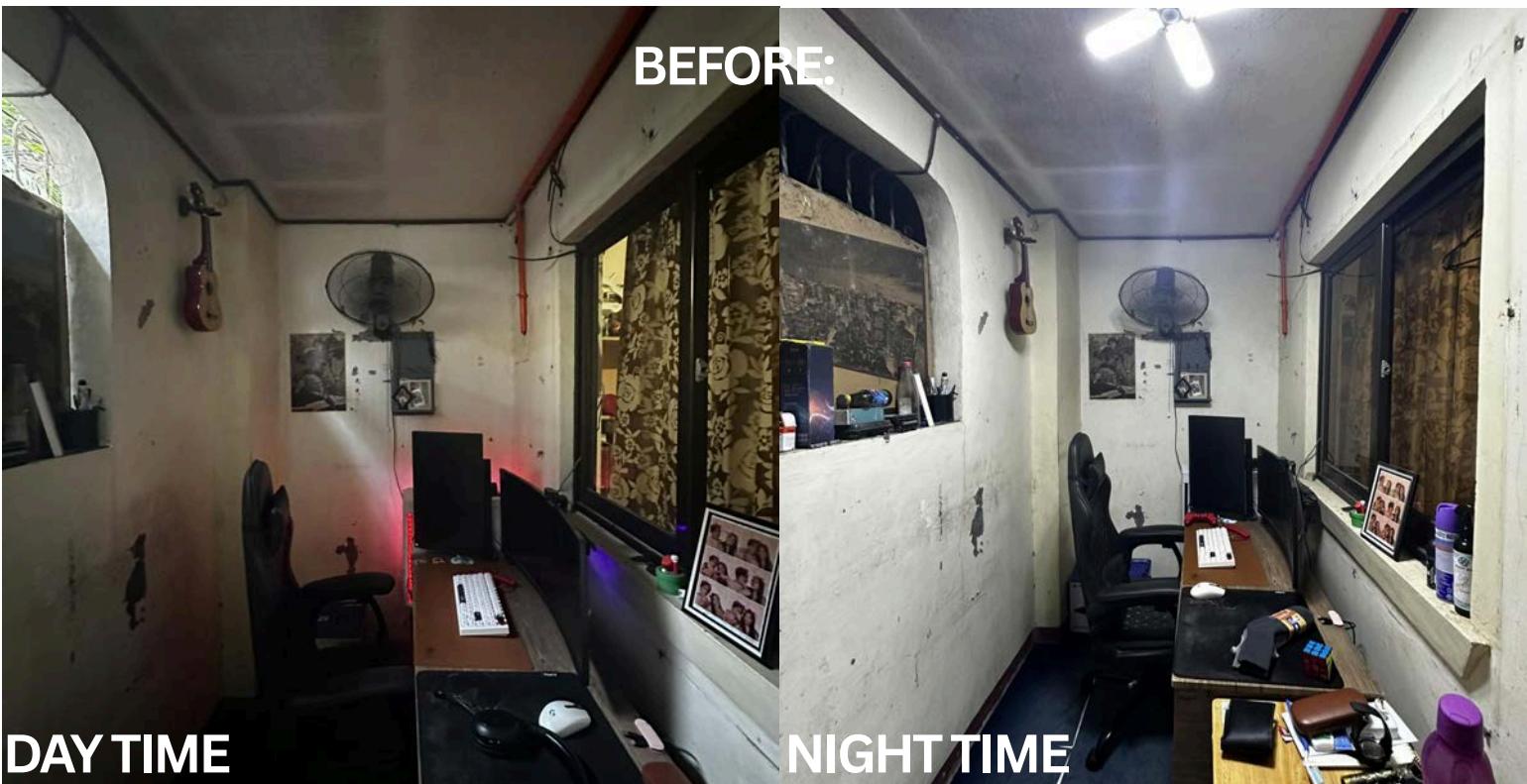


1.3

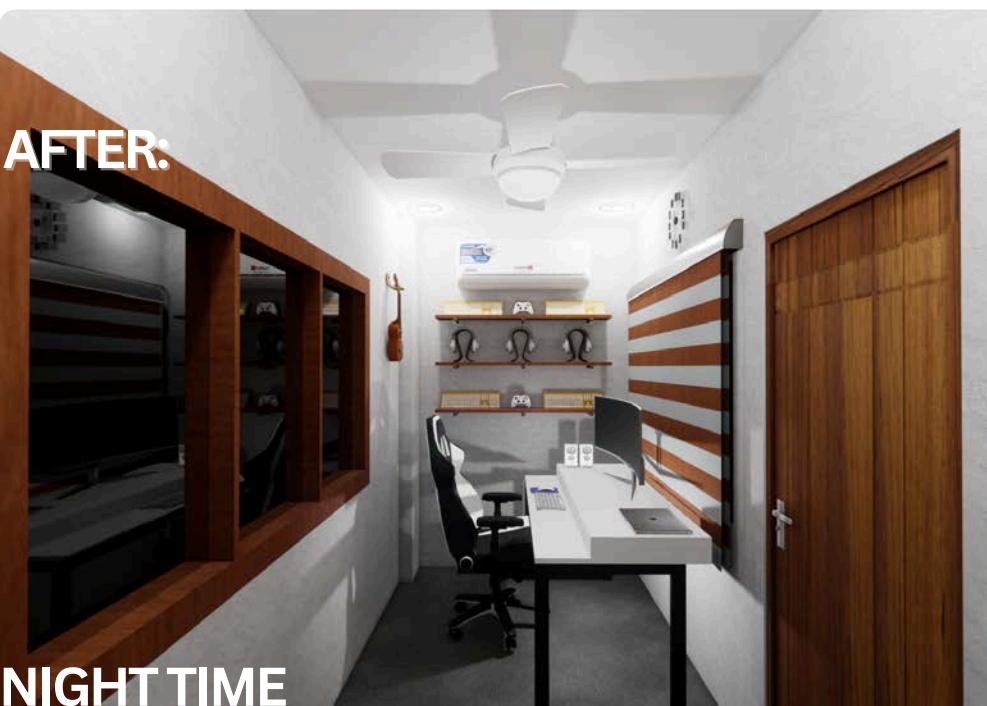
WORK SPACE RENOVATION

PROPOSED LIGHTING RENOVATION





THIS PLACE USED TO BE A BALCONY FILLED WITH A LOT OF CLUTTER, SO IT WAS RENOVATED TO CREATE A SPACE FOR A WORKING OR GAMING AREA. THE LIGHTING IN THIS ROOM IS ONLY ONE BECAUSE IT USED TO BE A BALCONY, BUT NOW THAT IT HAS BECOME A ROOM, IT NEEDS GOOD LIGHTING FOR THE PEOPLE WHO WILL USE THIS SPACE.



CEILING LIGHT FANS



LUSH MOUNT
CEILING LIGHTS



LIGHTING LAYOUT PLAN

○ FLUSH MOUNT CEILING LIGHTS

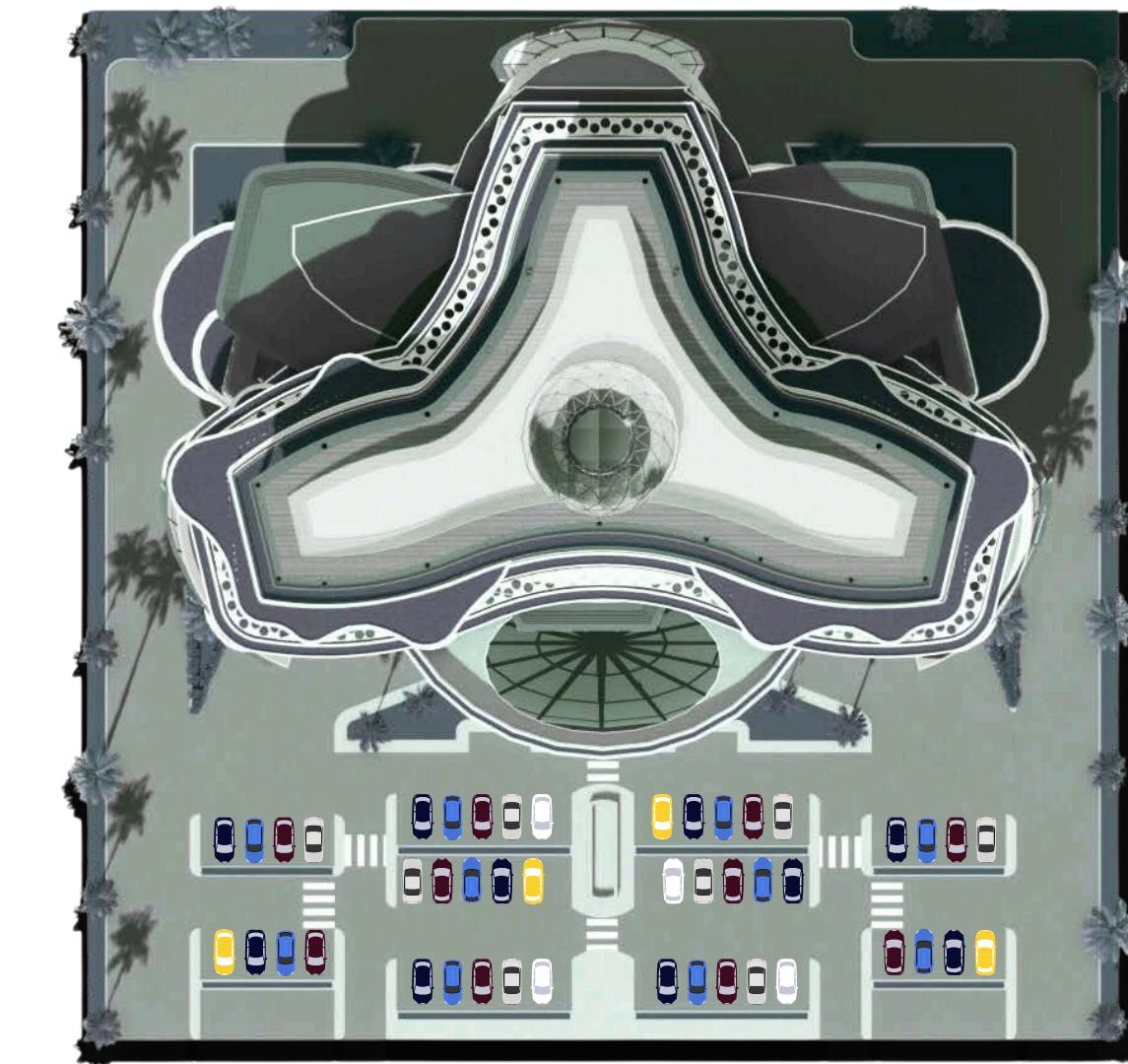
✖ CEILING LIGHT FAN

DESIGN SOLUTION:

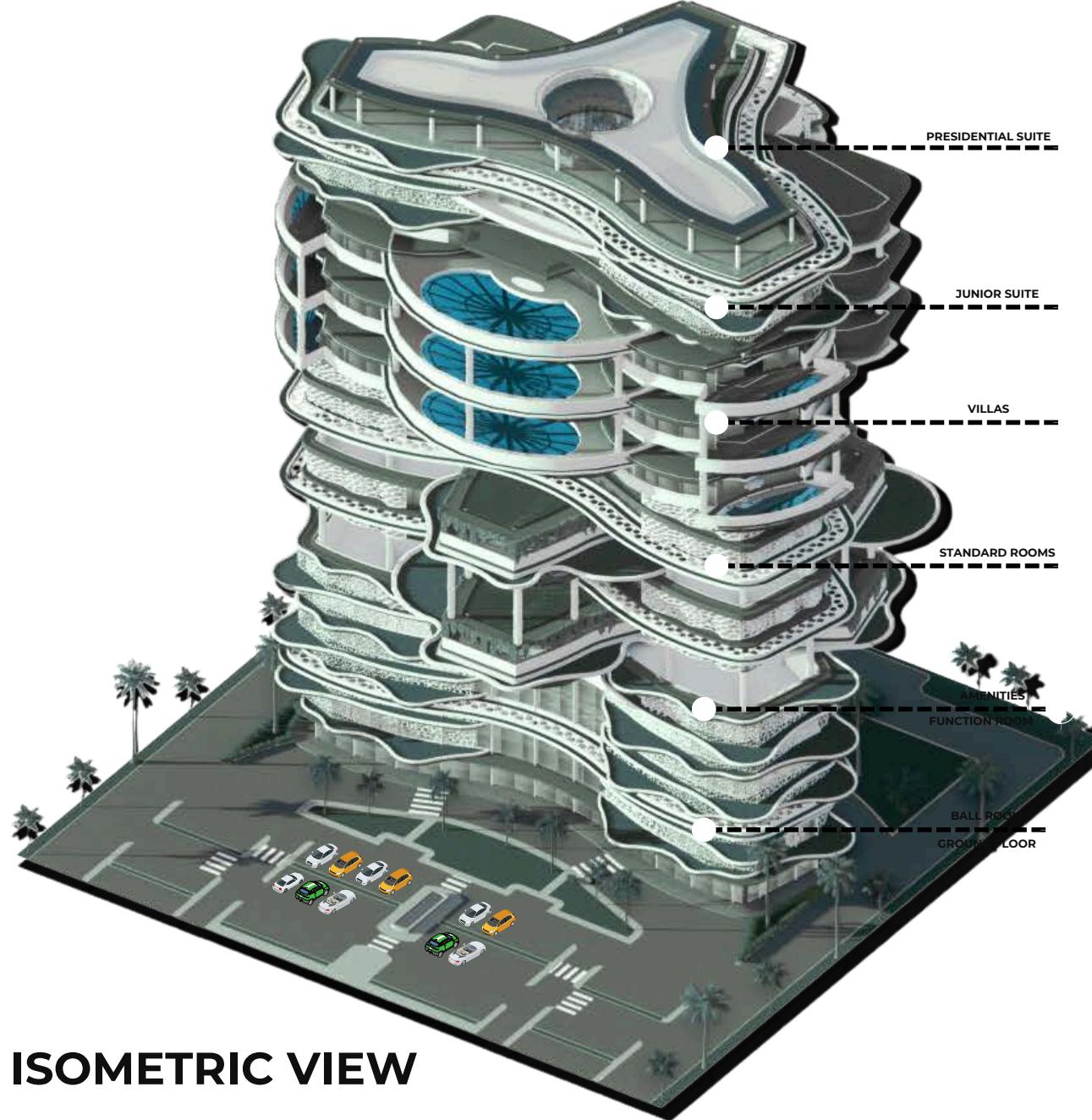
USING A CEILING FAN WITH LIGHT AND A FLUSH MOUNT CEILING LIGHT IS A SMART, SPACE-SAVING SOLUTION—PERFECT FOR LOW CEILINGS OR SMALL ROOMS. THESE FIXTURES STAY CLOSE TO THE CEILING, PROVIDING BOTH LIGHTING AND AIR CIRCULATION WITHOUT TAKING UP EXTRA SPACE.

2.1

VERTICAL RESORT



SITE DEVELOPMENT PLAN



CONCEPT STATEMENT

THE POLYPORE-INSPIRED VERTICAL RESORT IN MANILA EMBRACES "ORGANIC INTEGRATION," WITH LAYERED VILLAS AND POOLS THAT PROVIDE SHADE, NATURAL COOLING, AND VENTILATION. USING SUSTAINABLE LOCAL MATERIALS, IT OFFERS A UNIQUE, CLIMATE-RESPONSIVE, AND ECO-FRIENDLY RESORT EXPERIENCE.

DESIGN FEATURES

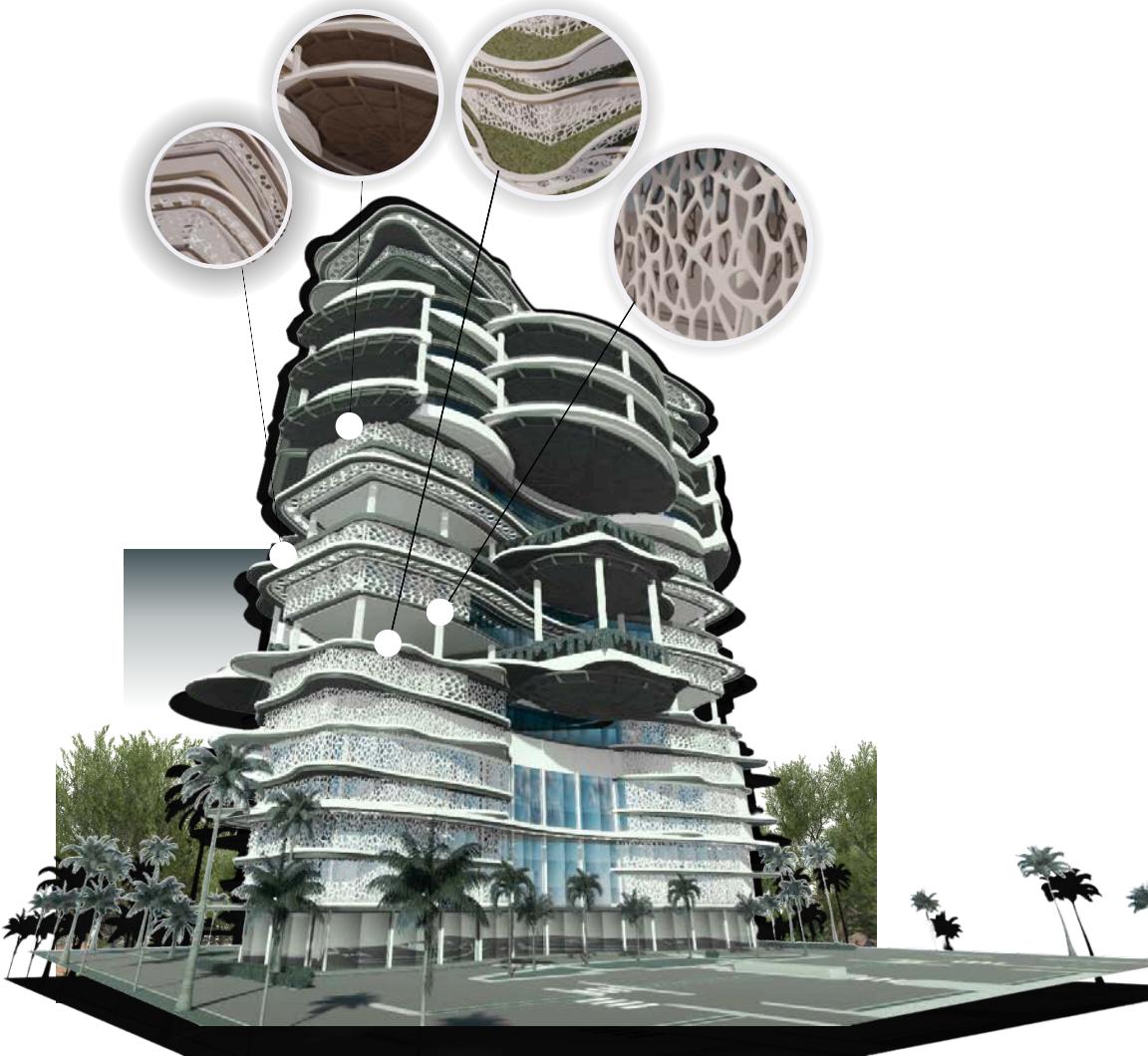
OVERHANGING GARDENS

THE VERTICAL RESORT FEATURES CASCADING OVERHANGING GARDENS THAT BLEND GREENERY WITH MODERN DESIGN, ENHANCING AESTHETICS AND SUSTAINABILITY BY IMPROVING AIR QUALITY AND INSULATION.

WEB-LIKE DOUBLE FACADE

A STRIKING WEB-LIKE DOUBLE FACADE WRAPS THE RESORT, OFFERING SHADE, REDUCING ENERGY USE, AND CREATING A DYNAMIC LIGHT-AND-SHADOW EFFECT WHILE BOOSTING THERMAL EFFICIENCY.

MATERIALS



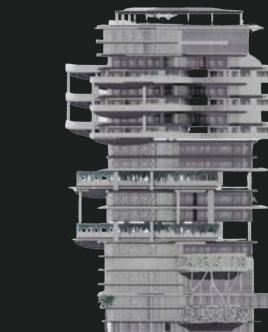
ELEVATIONS



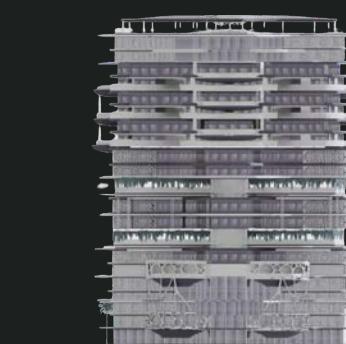
FRONT ELEVATION



RIGHT SIDE ELEVATION



LEFT SIDE ELEVATION



REAR ELEVATION

SECTIONS

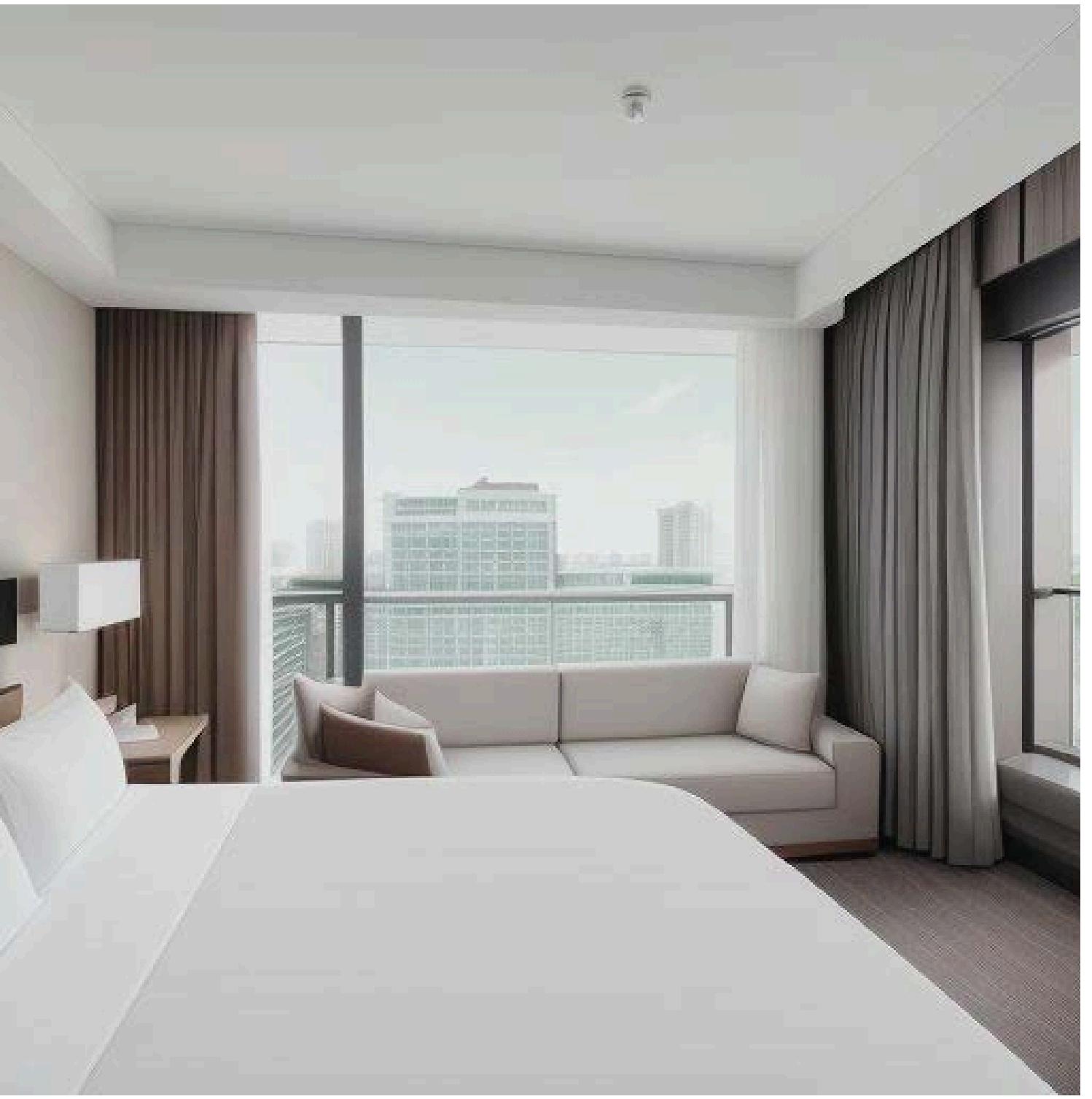
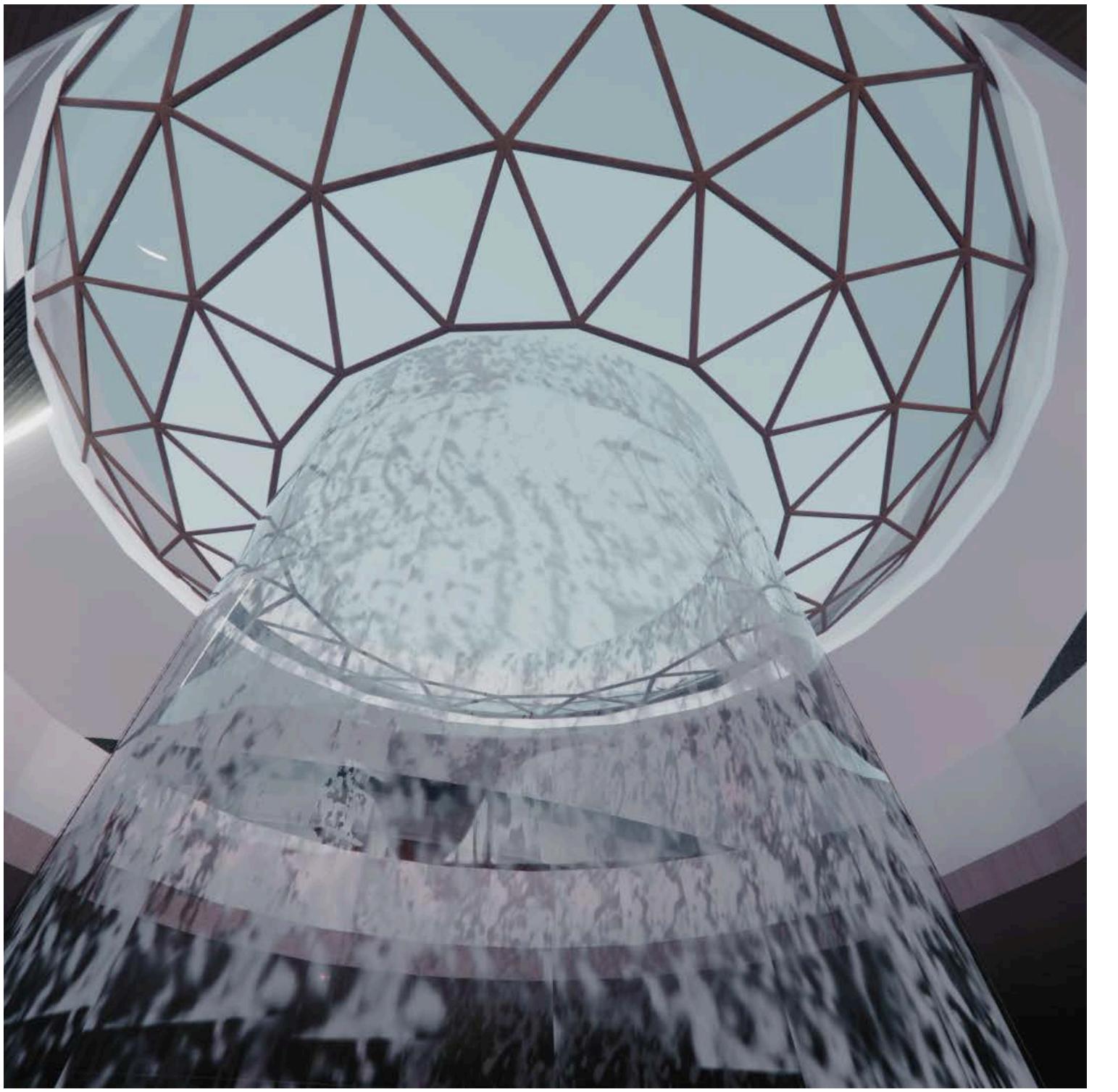


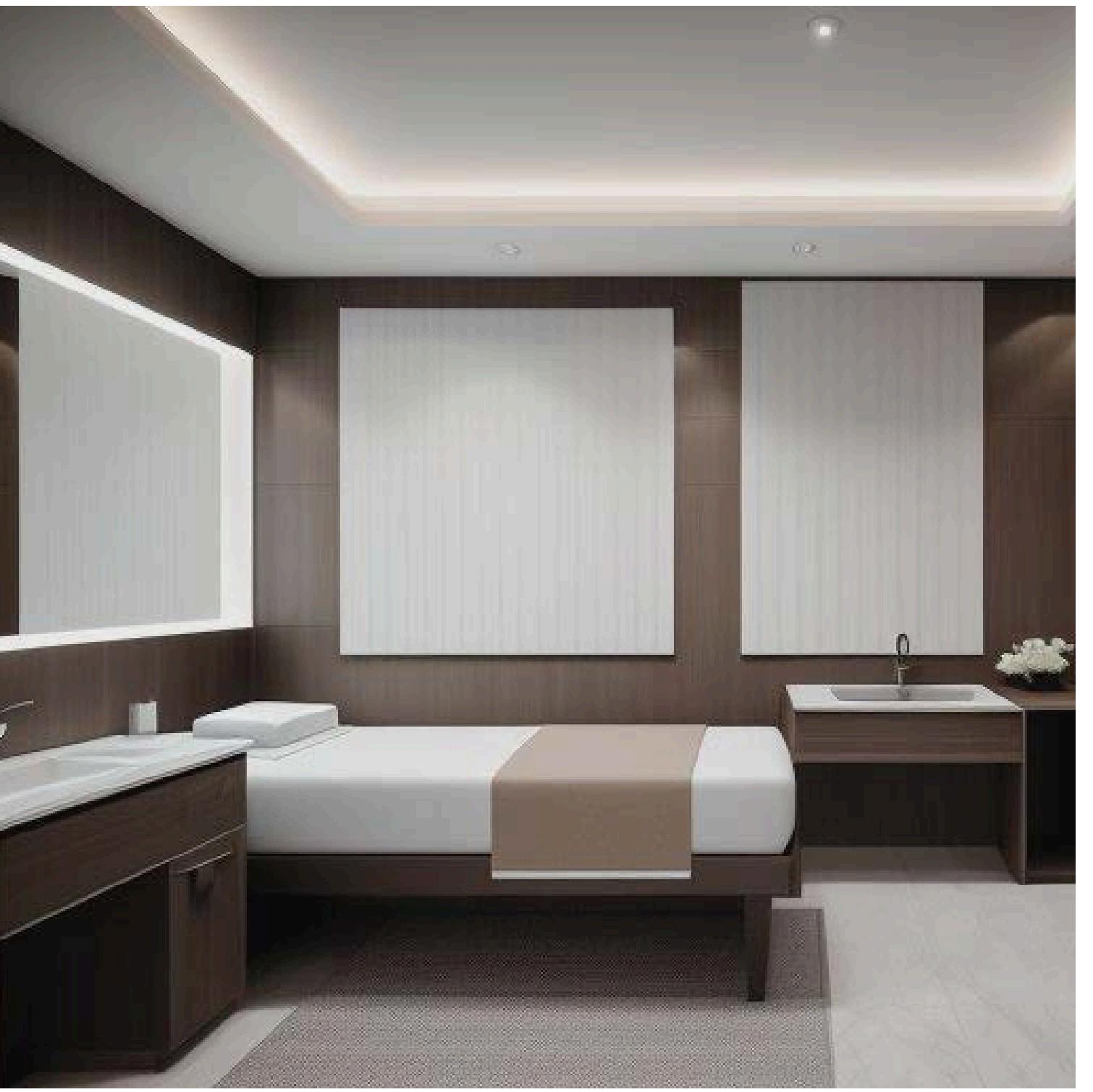
CROSS SECTION



LONGITUDINAL SECTION

INTERIORS

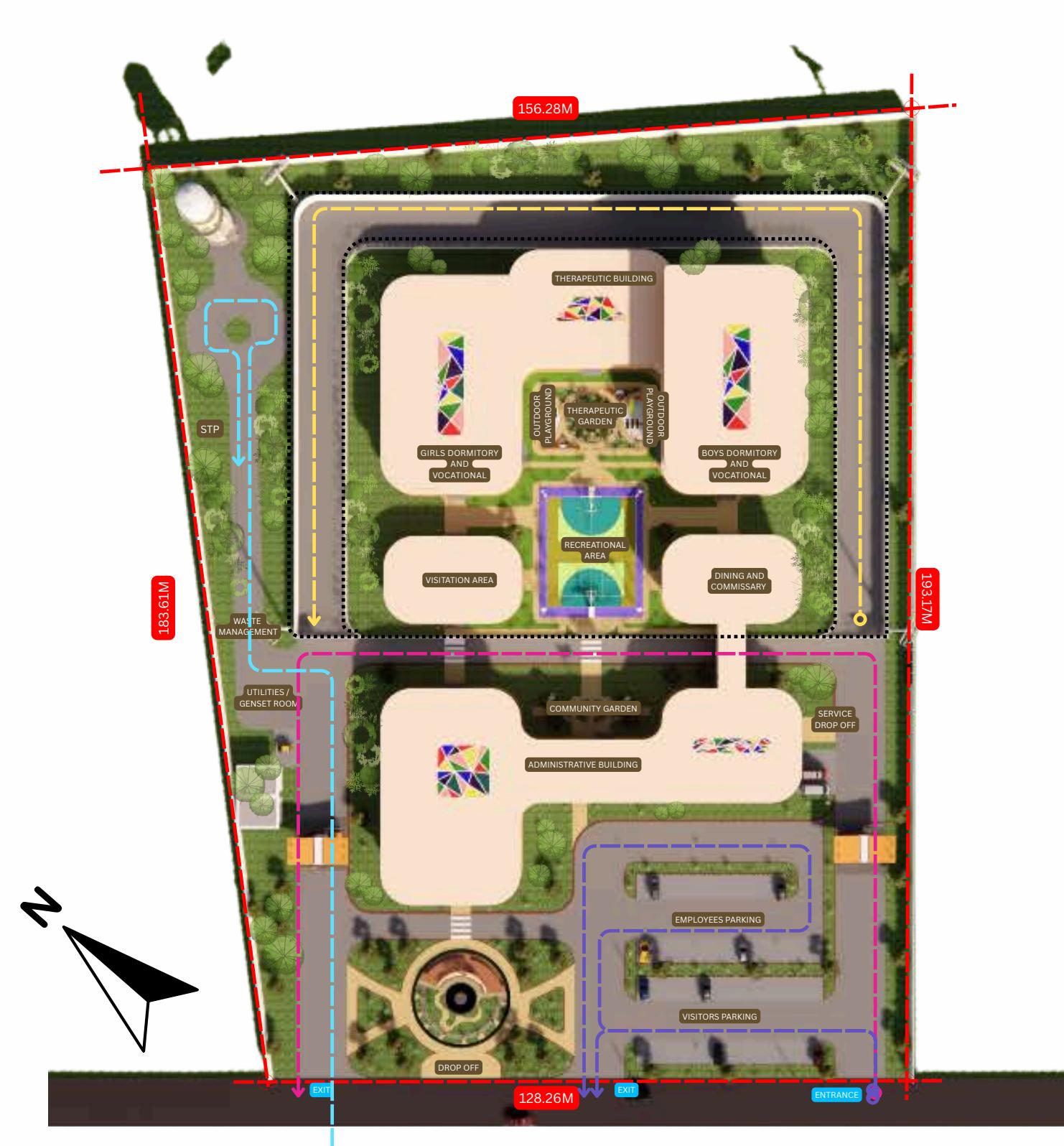




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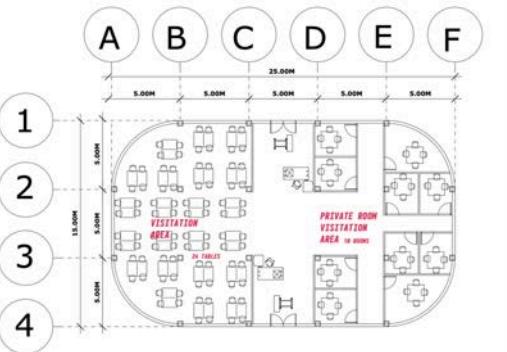
JUVENILE REHABILITATION



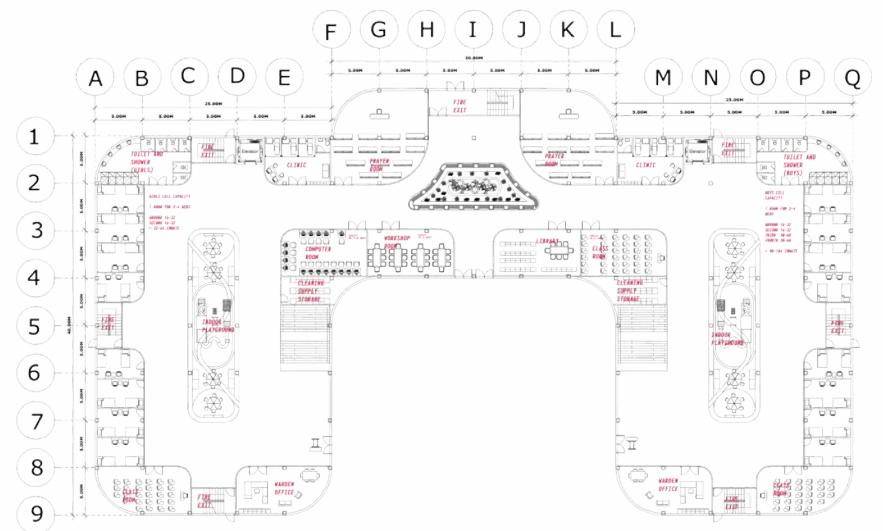
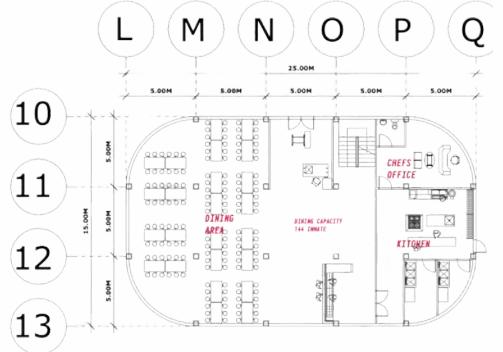


FLOOR PLANS

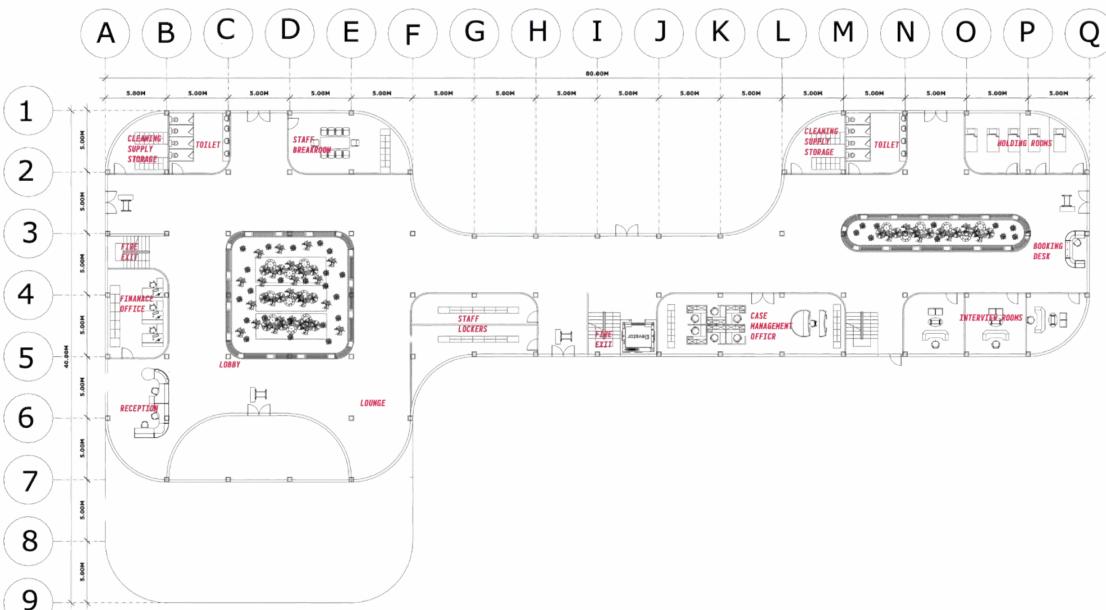
GROUND FLOOR PLAN
VISITATION



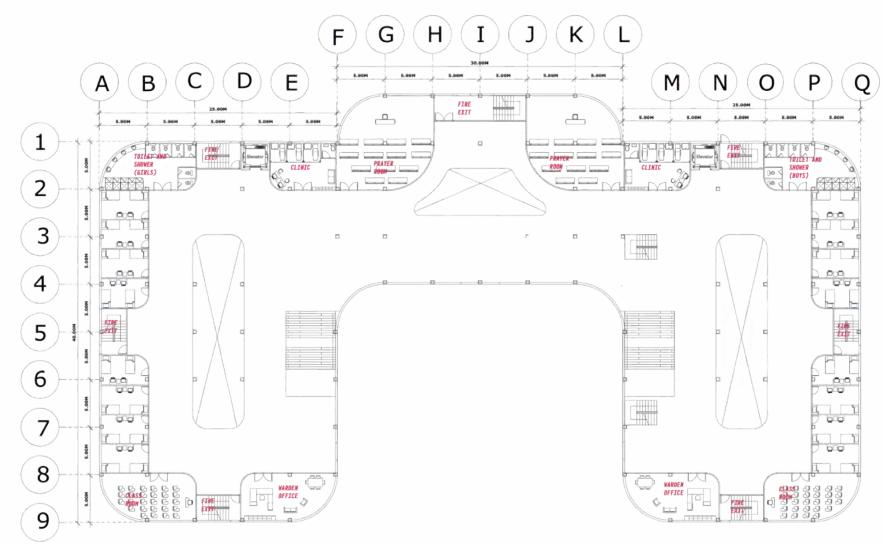
GROUND FLOOR PLAN
DINING HALL



GROUND FLOOR PLAN
DORMITORY

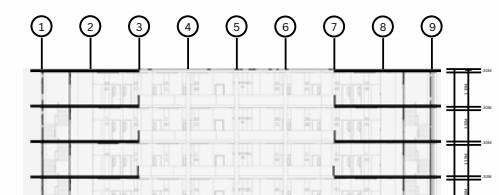


GROUND FLOOR PLAN
ADMINISTRATIVE

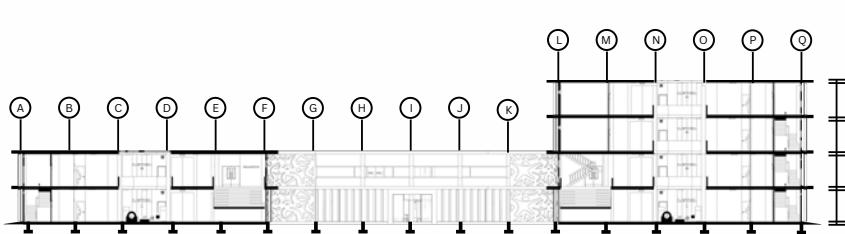


SECOND FLOOR PLAN
DORMITORY

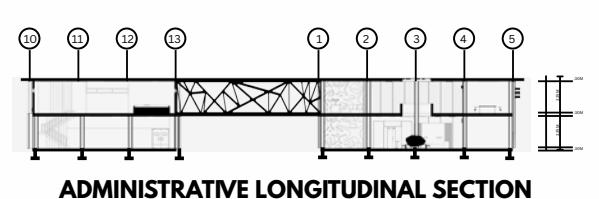
SECTIONS



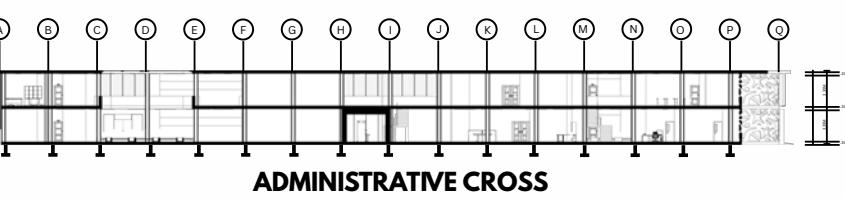
DORMITORY LONGITUDINAL SECTION



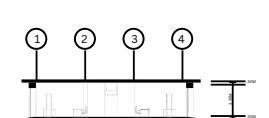
DORMITORY CROSS SECTION



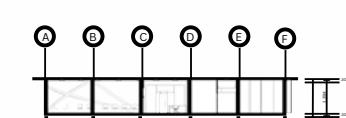
ADMINISTRATIVE LONGITUDINAL SECTION



ADMINISTRATIVE CROSS SECTION



VISITATION CROSS SECTION

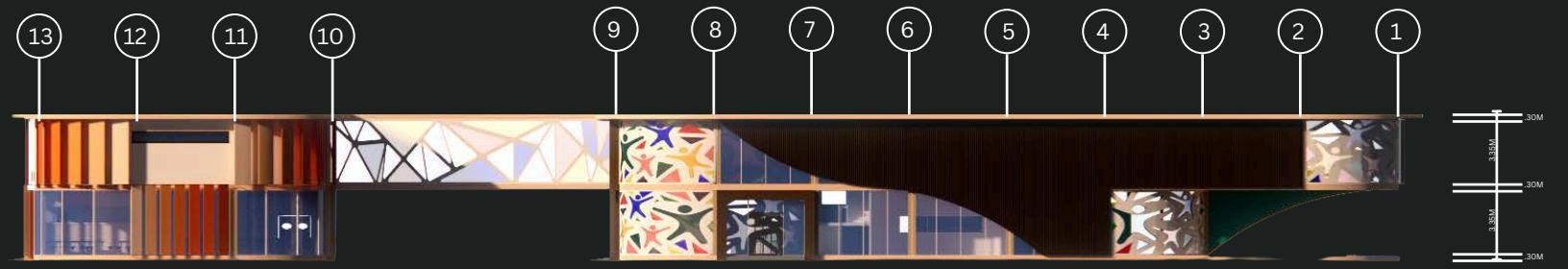


VISITATION LONGITUDINAL SECTION

ELEVATIONS



**ADMINISTRATIVE FRONT
ELEVATION**



**ADMINISTRATIVE RIGHT SIDE
ELEVATION**

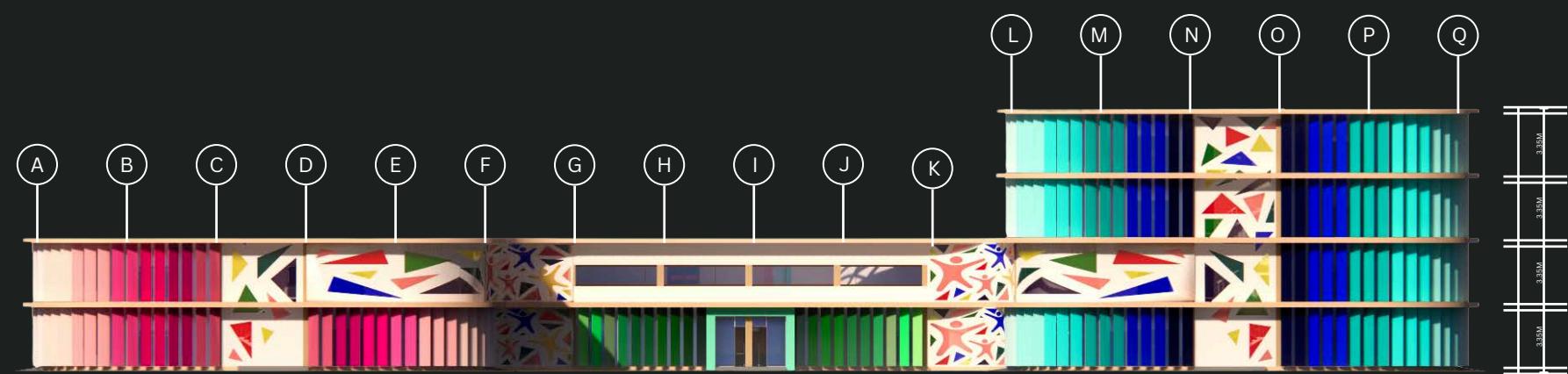


**ADMINISTRATIVE REAR
ELEVATION**

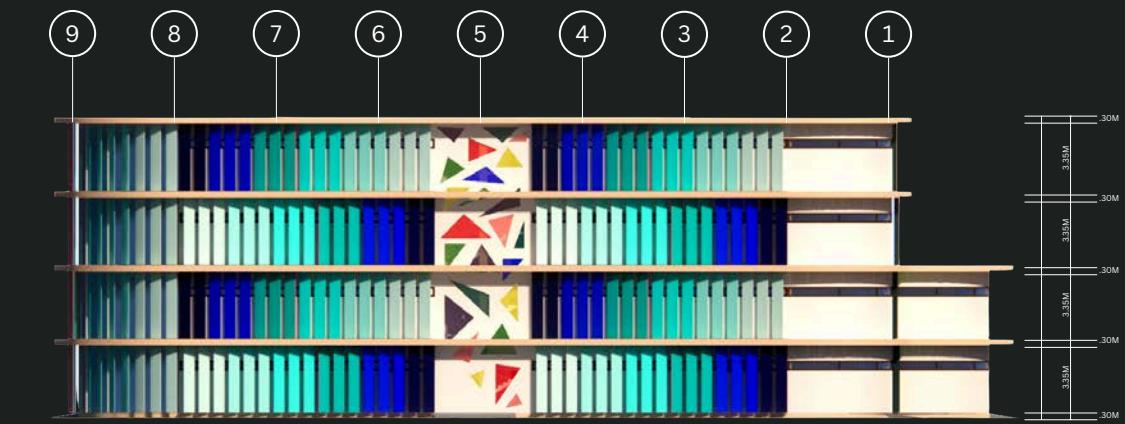


ADMINISTRATIVE LEFT SIDE ELEVATION

ELEVATIONS



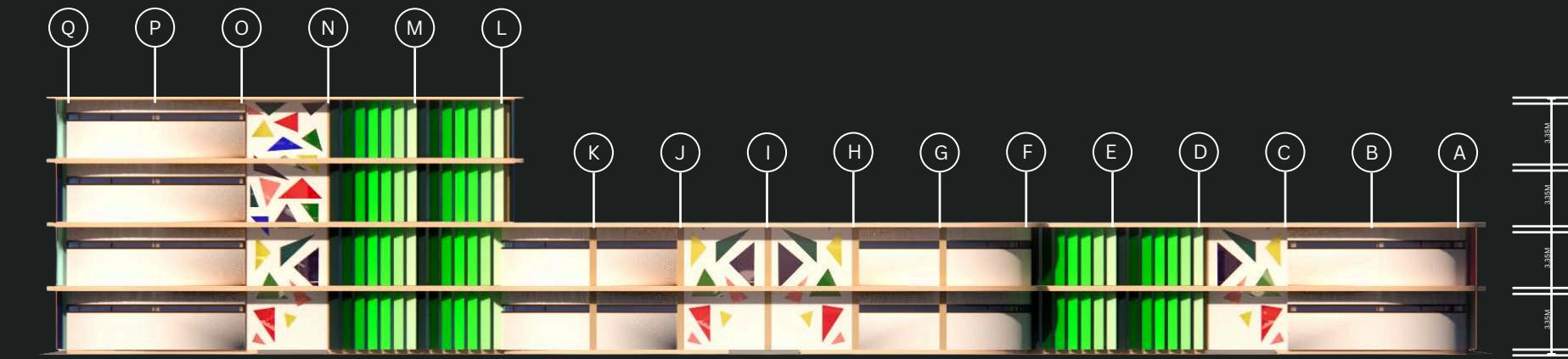
DORMITORY FRONT
ELEVATION



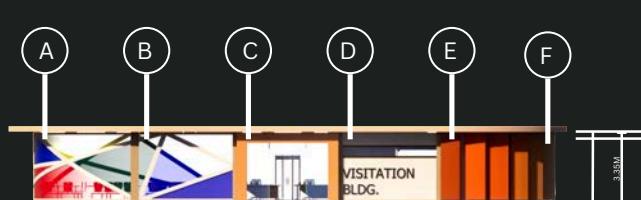
DORMITORY RIGHT SIDE
ELEVATION



DORMITORY LEFT SIDE
ELEVATION



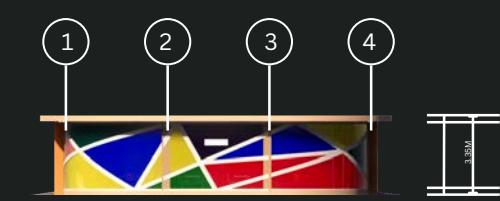
DORMITORY REAR
ELEVATION



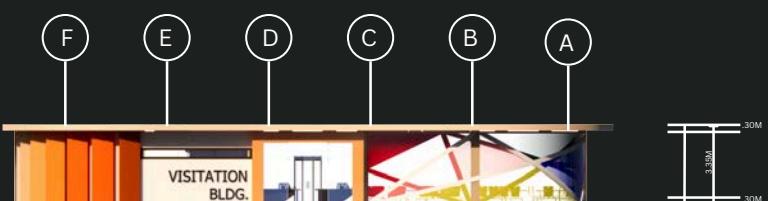
VISITATION FRONT ELEVATION



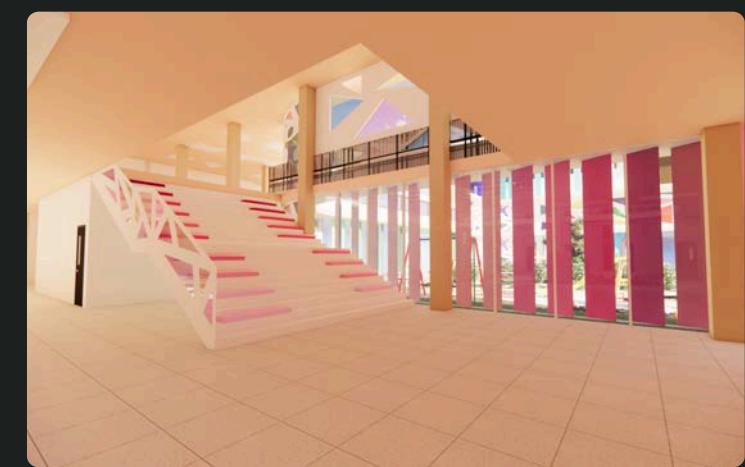
VISITATION RIGHT SIDE
ELEVATION

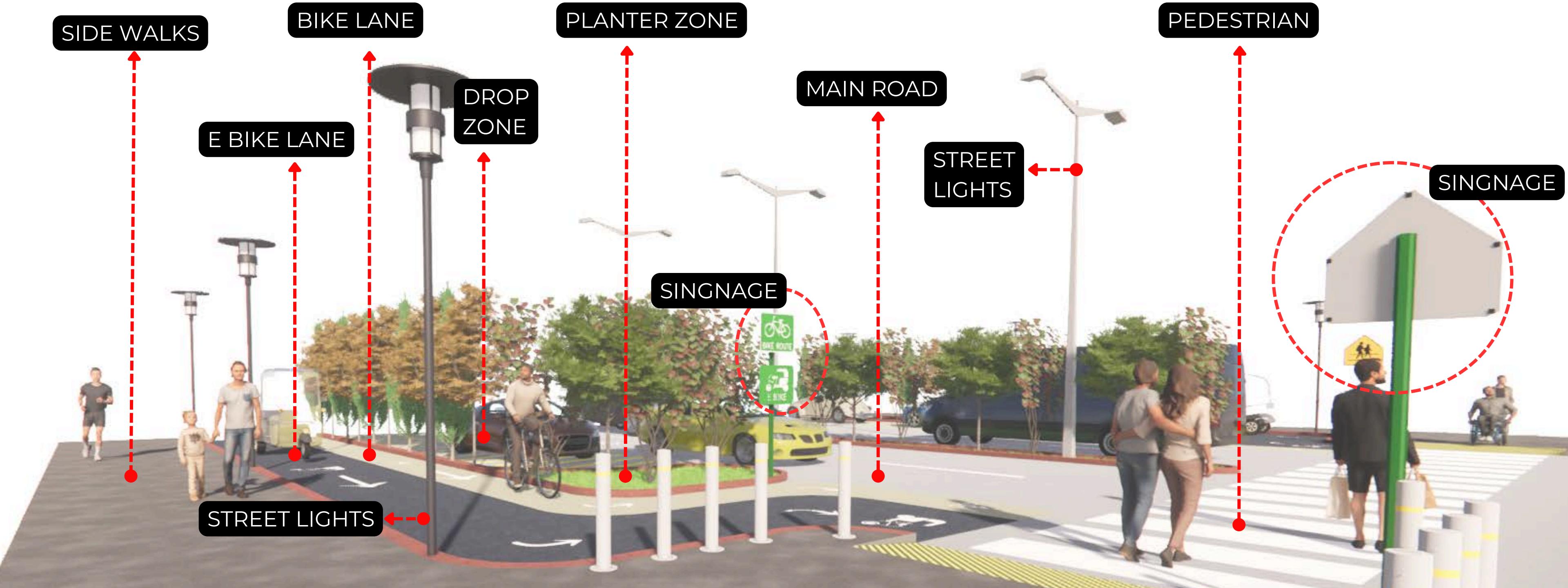


VISITATION LEFT SIDE
ELEVATION



VISITATION REAR ELEVATION





THE NEW URBAN PLANNING FOR ROADS INVOLVES THE SEPARATION OF BIKE LANES AND THE ADDITION OF A DEDICATED LANE FOR E-BIKES OR ELECTRIC TRICYCLES.

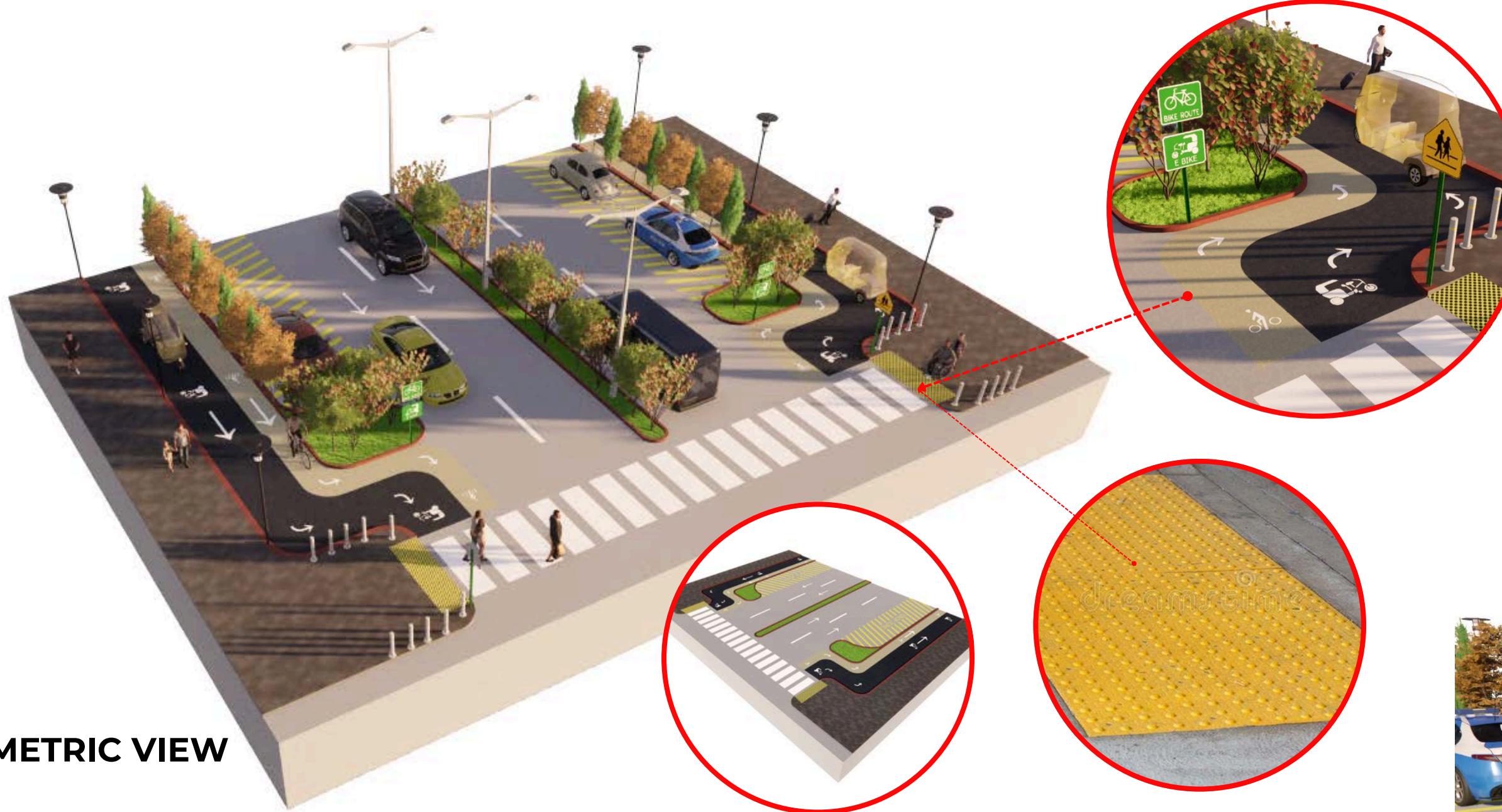
3.1

DEVELOPMENT PLAN



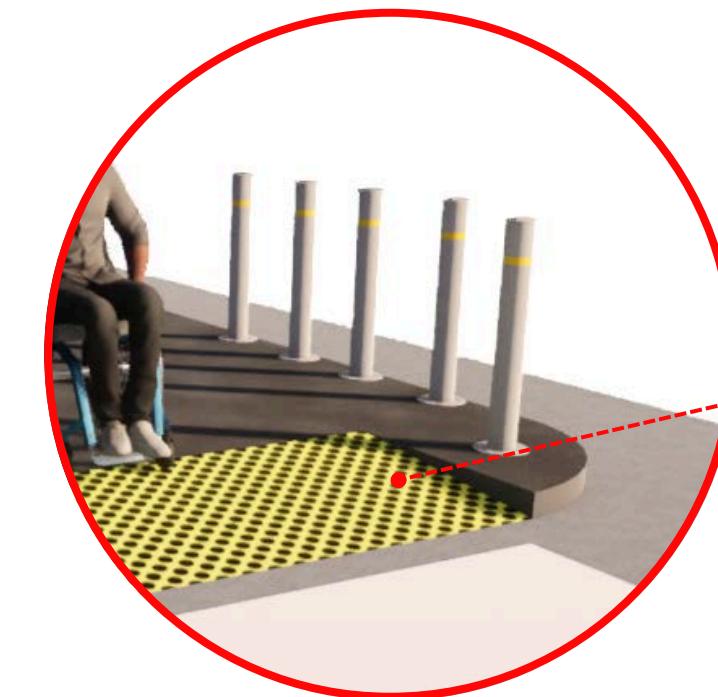
DROP-OFF LANES ON ROADS PLAY A CRUCIAL ROLE IN FACILITATING SMOOTH TRAFFIC FLOW AND ENSURING SAFE AND EFFICIENT DROP-OFF AND PICK-UP OF PASSENGERS OR GOODS.

- SIDE WALKS
- E BIKE LANE
- BIKE LANE
- PLANTER ZONE
- MAIN ROAD
- STREET LIGHTS / PLANTING
- PEDESTRIAN



ISOMETRIC VIEW

STAINLESS STEEL BOLLARDS ON FOOTPATHS PLAY A VITAL ROLE IN ENHANCING PEDESTRIAN SAFETY AND PRESERVING THE INTEGRITY OF NEARBY INFRASTRUCTURE. THESE BOLLARDS PROVIDE PHYSICAL BARRIERS THAT HELP PREVENT UNAUTHORIZED VEHICLE ACCESS ONTO FOOTPATHS, THEREBY REDUCING THE RISK OF ACCIDENTS AND ENSURING A SECURE ENVIRONMENT FOR PEDESTRIANS.



TACTILE PAVING, ALSO CALLED DETECTABLE WARNING SURFACES, IS USED ON RAMPS TO ASSIST VISUALLY IMPAIRED PEDESTRIANS. IT CONSISTS OF TEXTURED GROUND SURFACES, LIKE TRUNCATED DOMES, WHICH SIGNAL

THE TRANSITION BETWEEN LEVEL GROUND AND THE RAMP. THIS HELPS INDIVIDUALS WITH VISUAL IMPAIRMENTS NAVIGATE SAFELY.



SIGNAGE IS CRUCIAL FOR PEDESTRIAN AND BIKE LANES TO ENHANCE SAFETY AND PROVIDE CLEAR GUIDANCE FOR USERS.



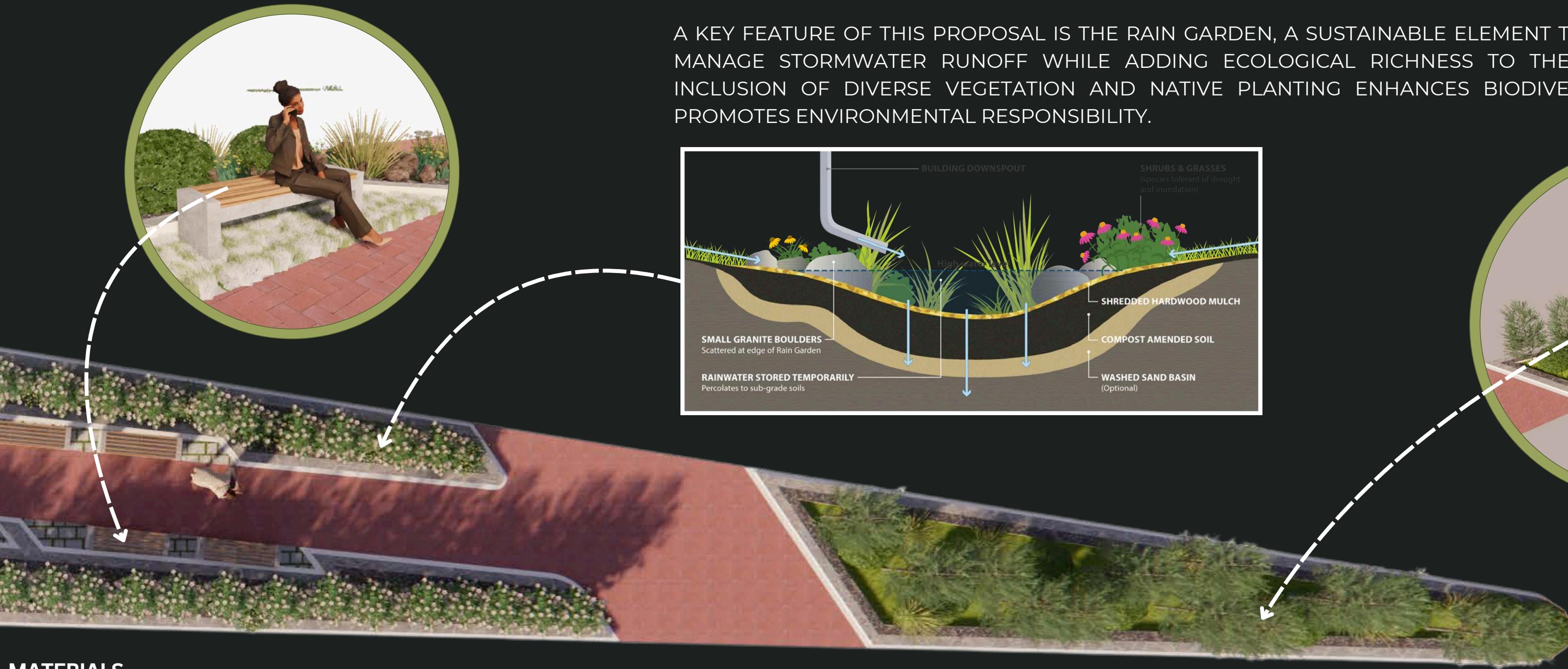
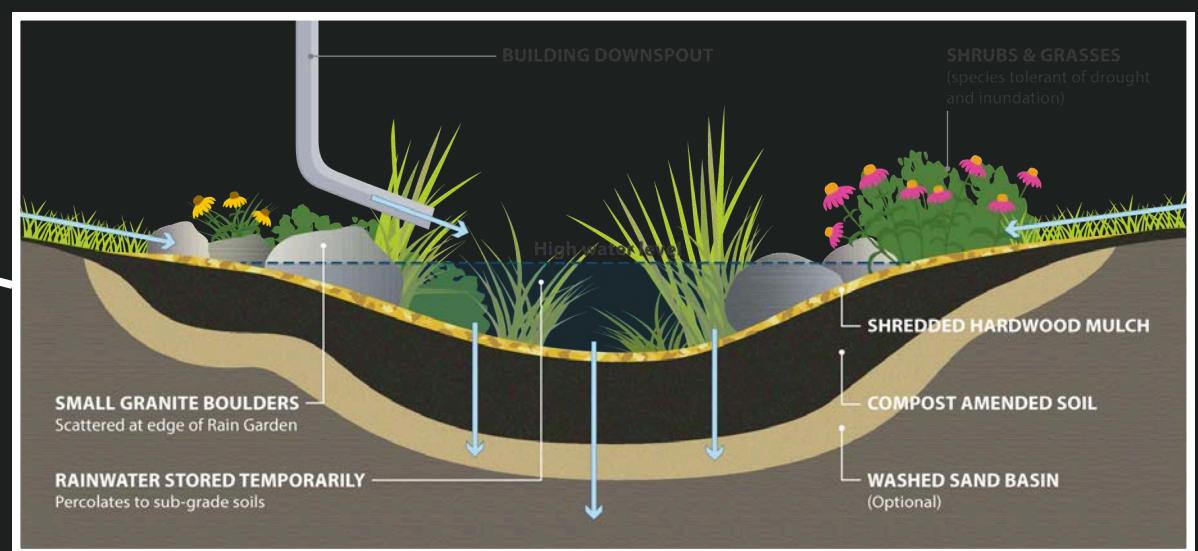
THIS LANDSCAPE PROPOSAL IS DESIGNED FOR AN ASSIGNED LINEAR LOT WITHIN RUANA LAND SUBDIVISION. THE GOAL IS TO TRANSFORM THE NARROW SPACE INTO A CALMING AND FUNCTIONAL OUTDOOR AREA ALIGNED WITH THE EXISTING ROAD LAYOUT. THE DESIGN INTEGRATES PAVED WALKWAYS, RESTING ZONES WITH BENCHES, AND ABUNDANT GREENERY TO OFFER BOTH AESTHETIC VALUE AND COMMUNITY USABILITY.

3.2

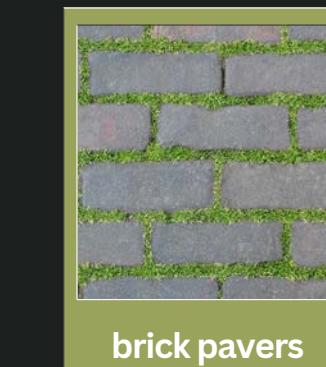
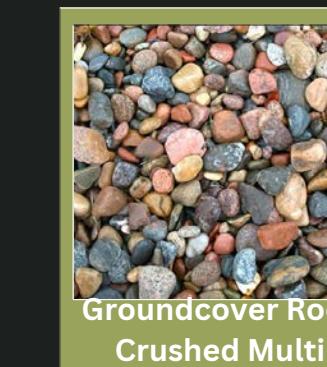
A PROPOSED LANDSCAPE DESIGN FOR A DESIGNATED LOT WITHIN THE RUANA LAND SUBDIVISION

RAIN GARDEN

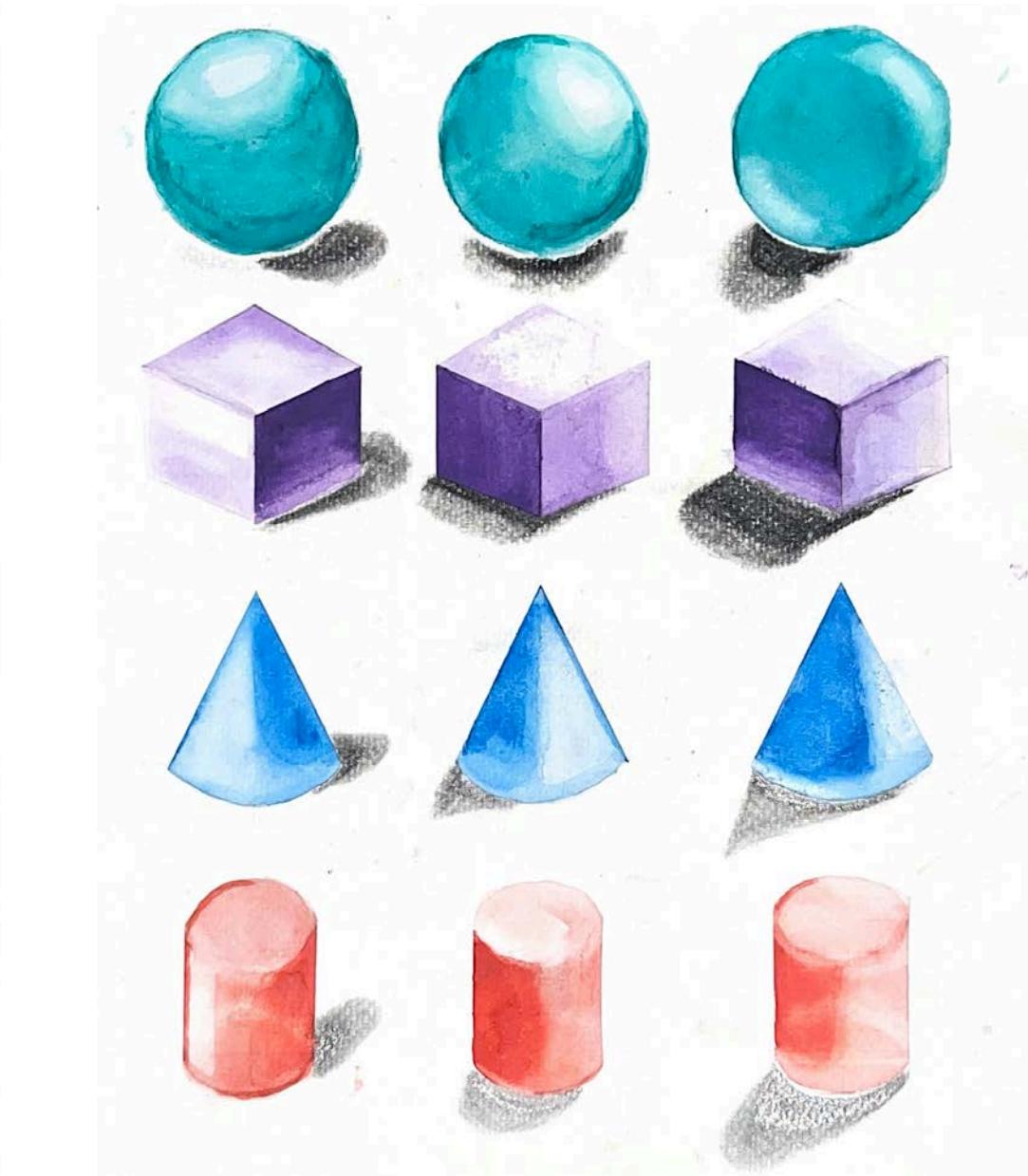
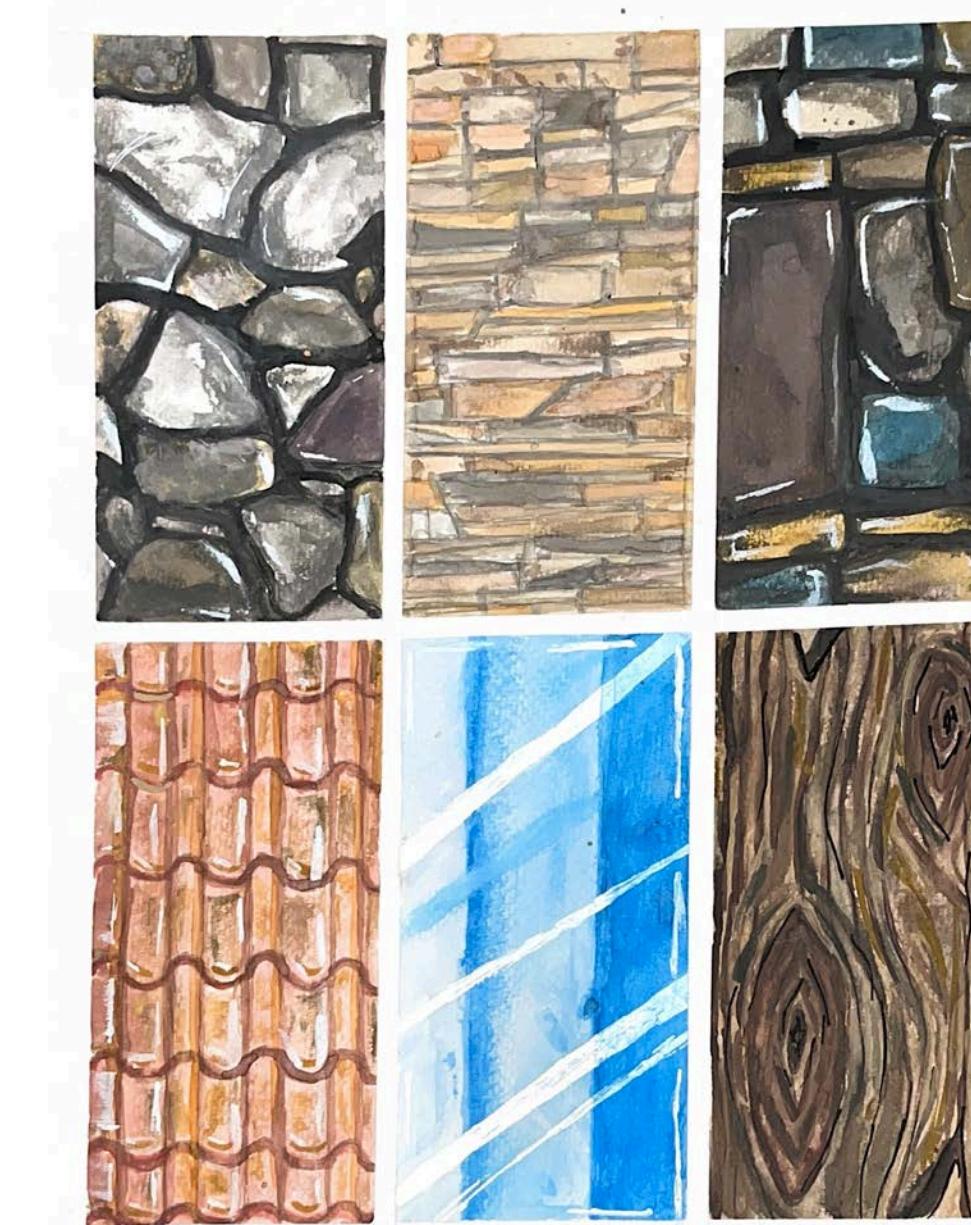
A KEY FEATURE OF THIS PROPOSAL IS THE RAIN GARDEN, A SUSTAINABLE ELEMENT THAT HELPS MANAGE STORMWATER RUNOFF WHILE ADDING ECOLOGICAL RICHNESS TO THE SITE. THE INCLUSION OF DIVERSE VEGETATION AND NATIVE PLANTING ENHANCES BIODIVERSITY AND PROMOTES ENVIRONMENTAL RESPONSIBILITY.



MATERIALS



THE SELECTED MATERIALS—SUCH AS HERRINGBONE BRICK PAVERS, GRASS, CRUSHED MULTI-COLORED ROCKS, FLAGSTONE GRAY PAVERS, AND BRICK PAVERS—CREATE A VISUALLY COHESIVE AND DURABLE LANDSCAPE THAT IS BOTH INVITING AND RESILIENT.



4.1

MANUAL DRAWINGS

LETRAN - CALAMBA FNG'A & ARCHI	MATERIAL TEXTURES VT 2	PAROAN, YANI JOY PLATE NO.5 04/22/21 AR. ANITAN
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TRAN - CALAMBA FNG'A & ARCHI	LIGHT AND SHADE VT 2	PAROAN, YANI JOY PLATE NO.4 4/14/21 AR. AWITAN
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4.2.1. THE EGG SHELLRAN CHAIR

THIS CHAIR DESIGN, MODELED IN 3DS MAX, DRAWS INSPIRATION FROM THE MELLO SWIVEL CHAIR, KNOWN FOR ITS SOFT-TOUCH UPHOLSTERY AND CALMING CURVES. MERGING THIS WITH THE ELEGANT FORM OF THE EGG SHELLRAN ACCENT CHAIR, THE FINAL PIECE FEATURES PREMIUM LEATHER, CREATING A STRIKING BALANCE OF AESTHETICS, COMFORT, AND FUNCTIONALITY. THE RESULT IS A VISUALLY CAPTIVATING AND ERGONOMICALLY DESIGNED FURNITURE PIECE THAT AIDS TO BE ICONIC—BLENDING MODERN SOFTNESS WITH TIMELESS APPEAL.

4.2

PRACTICE WORKS



MELLO SWIVEL CHAIR



THESE INTERIOR VISUALIZATION MODELS WERE DEVELOPED AS PRACTICE WORK USING SKETCHUP AND RENDERED WITH ENSCAPE, SHOWCASING SPATIAL PLANNING AND INTERIOR DETAILING. EACH SCENE IS PRESENTED AS A SECTION CUT IN ISOMETRIC VIEW TO CLEARLY REVEAL THE INTERIOR LAYOUT AND DESIGN INTENT.



4.2.2. LETRAN CALAMBA CLASSROOM

A SECTION-CUT ISOMETRIC VIEW OF A TYPICAL CLASSROOM AT COLEGIO DE SAN JUAN DE LETRAN – CALAMBA, EMPHASIZING SEATING ARRANGEMENT, SPATIAL CIRCULATION, AND EDUCATIONAL FUNCTION.



4.2.3. ARCHITECTURE STUDENT BEDROOM

THIS SECTION-CUT ISOMETRIC MODEL ILLUSTRATES A CONCEPTUAL BEDROOM DESIGNED FOR AN ARCHITECTURE STUDENT, HIGHLIGHTING A BALANCE OF WORKSPACE, RELAXATION AREA, AND MODERN AESTHETICS.

SELECTED CONCEPT BOARD

4.3

4.3.1. ARCHITECTURE SCHOOL EXTENSION

ADAPT-ED

Represents a fusion of "adapt," symbolizing flexibility and growth, and "ed" for education. It signifies an institution committed to adapting education to individual needs and fostering a dynamic learning environment.

DESIGN CONTEXT

As our community expands, new buildings that reflect our school's adaptability, flexibility, and deliberate growth are being added. As the school develops, the structure embodies particular functions and respects the nearby structures. New modules emerge, fostering flexible growth.

DESIGN CONCEPT

Growth and Adaptation of our schools is the main concept of this design. The layout of this adaptive space acts with movable partitions and flexible furniture with this feature it can be responsive to the changing needs of the students when they are using the space. The growth, symbolizes the purpose or the connection with its existing structure, fostering its collaboration and integration visibly.

DESIGN OBJECTIVES

- To seamlessly integrate the new structure with the existing campus.
- To provide efficient and innovative spaces for various architectural activities.
- To foster collaboration through open spaces, communal areas, and shared resources.
- To establish a unique identity for the architecture school within the larger campus context.

SITE DEVELOPMENT PLAN

FORM FORMULATION

FLOOR PLANS

DESIGN CONSIDERATION

ISOMETRIC DIAGRAM

DESIGN FEATURES

- SOUNDPROOF MODULAR PARTITION MOBILE WALL**: Purpose: This feature enhances flexibility within the learning environment. The soundproof modular walls can be adjusted to create separate spaces for different activities, ensuring a quiet and focused atmosphere when needed.
- AUDITORIUM SEATING CHAIRS**: Purpose: The auditorium seating provides a versatile space for lectures, presentations, and collaborative discussions. The ergonomic design ensures comfort for extended periods, and the layout is conducive to effective communication and engagement.
- ADJUSTABLE FLAT TABLE TO DRAFTING TABLE**: Purpose: This design feature accommodates various modes of learning. The adjustable tables offer flexibility for traditional classroom settings with flat surfaces for laptops or transform into drafting tables for design and hands-on activities, promoting versatility in teaching methods.
- WALL LOUVERS AND SUNROOF**: Purpose: These features are integrated to optimize natural light and ventilation. The wall louvers allow controlled airflow, while the sunroof ensures ample daylight, creating a sustainable and energy-efficient building. It connects occupants with the surrounding environment, contributing to a healthy and vibrant atmosphere.
- SPACIOUS GARDEN**: Purpose: The spacious garden serves as an extension of the learning environment. It provides a peaceful retreat for students and faculty, promoting well-being and offering opportunities for outdoor activities, group discussions, or even as a source of inspiration for design projects.

SECTIONS



4.3.2. HIGH-RISE RESIDENTIAL BUILDING

ECOSCAPE TOWER

DESIGN CONTEXT

The "ECOSCAPE TOWER" is situated in a bustling urban environment, where there is a need for innovative architectural solutions that not only provide diverse housing options but also seamlessly integrate with existing commercial and retail activities. The project is envisioned as a beacon of sustainability and community enhancement, aiming to set a new standard for high-rise residential developments in the area.

DESIGN CONCEPT

The concept embodies the fusion of biophilic and parametric design, redefining urban living with natural elements and cutting-edge technology. Biometric structures and dynamic façades blend seamlessly with green spaces, offering diverse housing options and enhancing sustainability. It stands as a beacon of innovation and cultural identity, setting a new standard for socially connected architecture. This iconic landmark integrates parametric design principles, enhancing its modernity and uniqueness while inspiring awe with its fluid spatial configurations and sustainable ethos.

DESIGN OBJECTIVES

1. TO PROVIDE A VARIETY OF HOUSING OPTIONS IN A SINGLE DEVELOPMENT.
2. TO COMPLEMENT EXISTING COMMERCIAL AND RETAIL ACTIVITIES.
3. TO PROMOTE ENVIRONMENTAL AND SOCIAL SUSTAINABILITY.
4. TO PROVIDE AN ICONIC RESIDENTIAL ARCHITECTURE.
5. TO UPLIFT THE SENSE OF COMMUNITY OF ITS HOST LOCALITY.

FORM FORMULATION

It began rectangular with a base, a corner defining the front and back positions to face the airflow. Finally, it integrated parametric design to create an iconic symbol for the tower that all residents could enjoy a pleasant view.

ISOMETRIC ZONING

- PENTHOUSE W/ INDOOR POOL
- HIGH CLASS RESIDENCE
- PRIVATE GARDEN WITH POOL
- MIDDLE CLASS RESIDENCE
- PRIVATE GARDEN
- FIRST CLASS RESIDENCE/ PUBLIC PARK AND GARDEN
- RETAIL / COMMERCIAL
- LOBBY FOR RESIDENTIAL, OFFICES & RETAIL / COMMERCIAL
- UNDERGROUND PARKING

SITE DEVELOPMENT PLAN

LEGEND:

1. ENTRANCE
2. EXIT
3. PUBLIC PARKING
4. PEDESTRIAN LANE
5. PUBLIC PARK
6. WASTE MANAGEMENT
7. ELECTRIC ROOM
8. DROP OFF
9. PRIVATE POOL
10. PENTHOUSE

DESIGN CONSIDERATION

LEGEND:

- LIGHT
- VENTILATION
- ORIENTATION
- DISTRIBUTION
- FUNCTONALITY
- SAFETY

FLOOR PLANS

LEGEND:

1. LOBBY
2. OFFICES
3. FIRE EXIT
4. ELEVATOR
5. RETAIL
6. GROCERY
7. GYM
8. FOOD COURT
9. RESTAURANT
10. DEPARTMENT STORE
11. PUBLIC TOILET

UNDERGROUND PARKING FLOOR PLAN

GROUND FLOOR PLAN

SECOND FLOOR PLAN

PRIVATE GARDEN FLOOR PLAN

PRIVATE GARDEN FLOOR PLAN W/ POOL

PENTHOUSE FLOOR PLAN

ECOSCAPE TOWER

DESIGN CONTEXT

The "ECOSCAPE TOWER" is situated in a bustling urban environment, where there is a need for innovative architectural solutions that not only provide diverse housing options but also seamlessly integrate with existing commercial and retail activities. The project is envisioned as a beacon of sustainability and community enhancement, aiming to set a new standard for high-rise residential developments in the area.

DESIGN CONCEPT

The concept embodies the fusion of biophilic and parametric design, redefining urban living with natural elements and cutting-edge technology. Biometric structures and dynamic façades blend seamlessly with green spaces, offering diverse housing options and enhancing sustainability. It stands as a beacon of innovation and cultural identity, setting a new standard for socially connected architecture. This iconic landmark integrates parametric design principles, enhancing its modernity and uniqueness while inspiring awe with its fluid spatial configurations and sustainable ethos.

DESIGN OBJECTIVES

1. TO PROVIDE A VARIETY OF HOUSING OPTIONS IN A SINGLE DEVELOPMENT.
2. TO COMPLEMENT EXISTING COMMERCIAL AND RETAIL ACTIVITIES.
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PENTHOUSE FLOOR PLAN

ELEVATIONS

FRONT ELEVATION

RIGHT SIDE ELEVATION

LEFT SIDE ELEVATION

REAR ELEVATION

SECTION THRU A

SECTION THRU B

GYM

OFFICES

GROCERY

RETAILS

ELECTRIC ROOM

WASTE MANAGEMENT

UNDERGROUND PARKING

PENTHOUSE GARDEN / SKY LIGHT

PRIVATE GARDEN / PARK

PUBLIC GARDEN / PARK

PENTHOUSE POOL

PRIVATE POOL

DESIGN FEATURES

COMMUNITY SPACE

THE PROJECT WILL FEATURE DESIGNATED COMMUNAL AREAS TO FOSTER SOCIAL INTERACTION AND A SENSE OF BELONGING AMONG RESIDENTS. THESE SPACES WILL BE STRATEGICALLY LOCATED IN THE DEVELOPMENT, PROMOTING CONNECTION AND ENCOURAGING COMMUNITY ENGAGEMENT. WHETHER IT'S A SHARED GARDEN, A ROOFTOP TERRACE, OR A CENTRAL COURTYARD, THESE SPACES WILL SERVE AS GATHERING POINTS FOR RESIDENTS TO COME TOGETHER AND BUILD RELATIONSHIPS.

PASSIVE SOLAR DESIGN

THE ARCHITECTURAL LAYOUT WILL BE OPTIMIZED TO UTILIZE NATURAL LIGHT FOR HEATING AND LIGHTING, REDUCING THE NEED FOR ARTIFICIAL ENERGY SOURCES. THIS WILL BE ACHIEVED THROUGH STRATEGIC PLACEMENT OF WINDOWS, SHADE DEVICES, AND THERMAL MASS TO MAXIMIZE SOLAR GAIN IN THE WINTER AND MINIMIZE IT IN THE SUMMER, ENSURING COMFORTABLE INDOOR TEMPERATURES YEAR-ROUND.

DOUBLE FAÇADE

INCORPORATING A DOUBLE FAÇADE INTO THE ARCHITECTURAL DESIGN WILL ENHANCE BOTH THE AESTHETICS AND FUNCTIONALITY OF THE BUILDING. THIS DESIGN FEATURE CONSISTS OF TWO LAYERED BUILDING ENVELOPES SEPARATED BY A GAP, ALLOWING FOR IMPROVED THERMAL PERFORMANCE, DAYLIGHTING, AND ACOUSTIC INSULATION.

MIXED-USE FACILITIES

EMBRACING A VARIETY OF USES WITHIN THE DEVELOPMENT WILL PROMOTE DIVERSITY AND VIBRANCY. THE DESIGN WILL INCORPORATE A VARIETY OF FUNCTIONS SUCH AS RESIDENTIAL UNITS, COMMERCIAL SPACES, OFFICES, AND RECREATIONAL FACILITIES, CREATING A DYNAMIC ENVIRONMENT WHERE PEOPLE CAN LIVE, WORK, AND SOCIALIZE. BY INCORPORATING THIS MIXED-USE APPROACH, NOT ONLY ENHANCES CONVENIENCE BUT ALSO SUPPORTS A SUSTAINABLE LIFESTYLE BY REDUCING THE NEED FOR EXTENSIVE COMMUTING.

VERTICAL GARDEN

INTEGRATING VERTICAL GARDENS INTO THE BUILDING'S FAÇADE WILL BRING GREENERY INTO THE URBAN ENVIRONMENT, CONTRIBUTING TO BIOPHILIC DESIGN PRINCIPLES AND IMPROVING THE OVERALL QUALITY OF LIFE FOR OCCUPANTS. THESE VERTICAL GARDENS WILL NOT ONLY SERVE AS AESTHETICALLY PLEASING FEATURES BUT ALSO PROVIDE NUMEROUS ENVIRONMENTAL BENEFITS, SUCH AS AIR PURIFICATION, NOISE REDUCTION, AND THERMAL REGULATION. IN BRINGING NATURE INTO THE BUILT ENVIRONMENT, THE DESIGN WILL CREATE A HEALTHIER AND MORE SUSTAINABLE LIVING SPACE FOR RESIDENTS.

GREEN ROOF

INCORPORATING A GREEN ROOF WILL NOT ONLY PROVIDE INSULATION AND REDUCE HEAT ABSORPTION BUT ALSO CONTRIBUTE TO BIODIVERSITY AND IMPROVE AIR QUALITY. THE DESIGN WILL INCLUDE VARIOUS PLANTINGS PROVIDED AS HABITAT FOR PLANTS AND WILDLIFE WHILE ALSO ENHANCING THE VISUAL APPEAL OF THE BUILDING.

MATERIALS

CONCRETE

REFLECTIVE GLASS

WOOD

FIBER GLASS

REINFORCED CONCRETE

TEMPERED GLASS

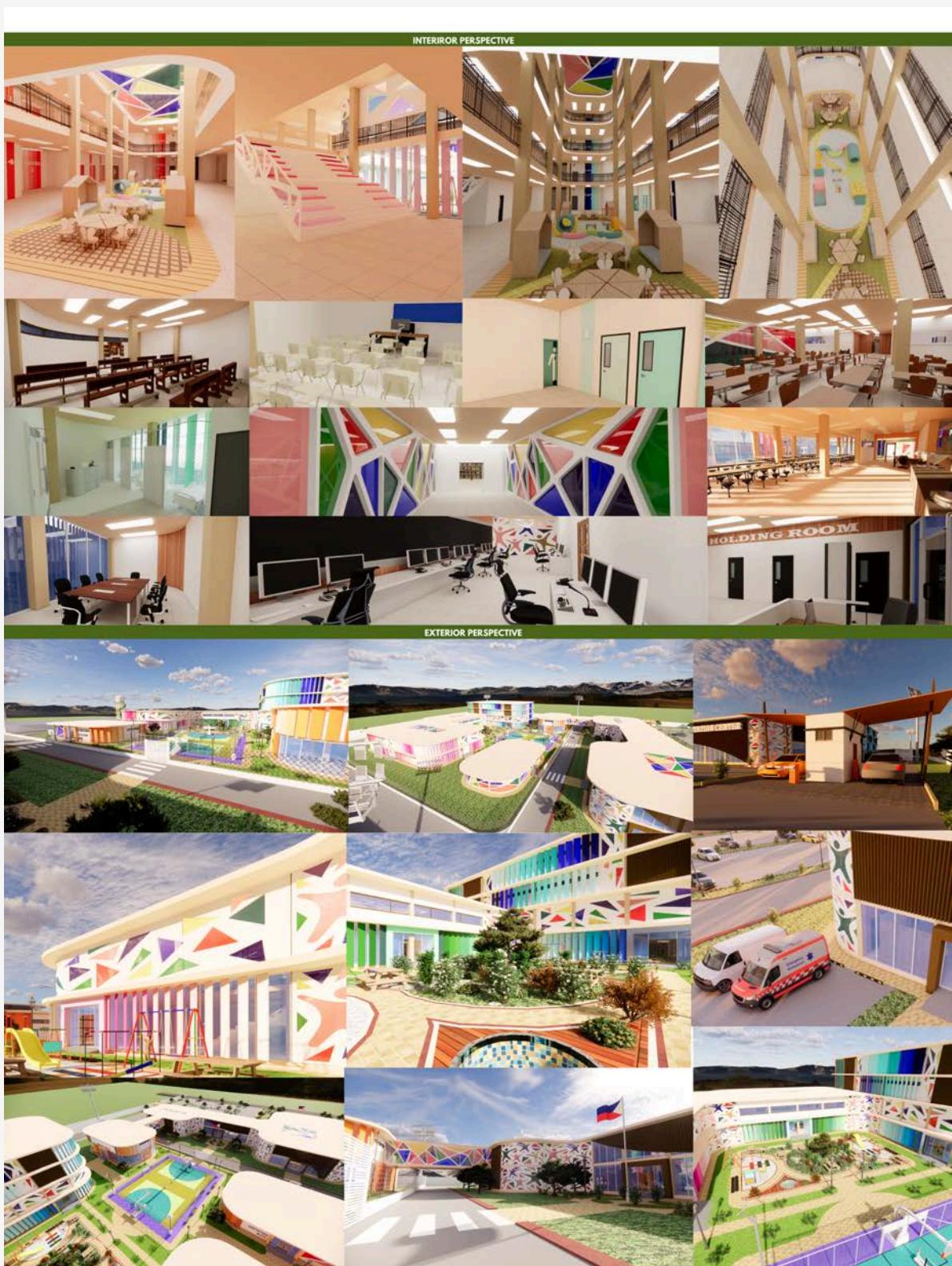
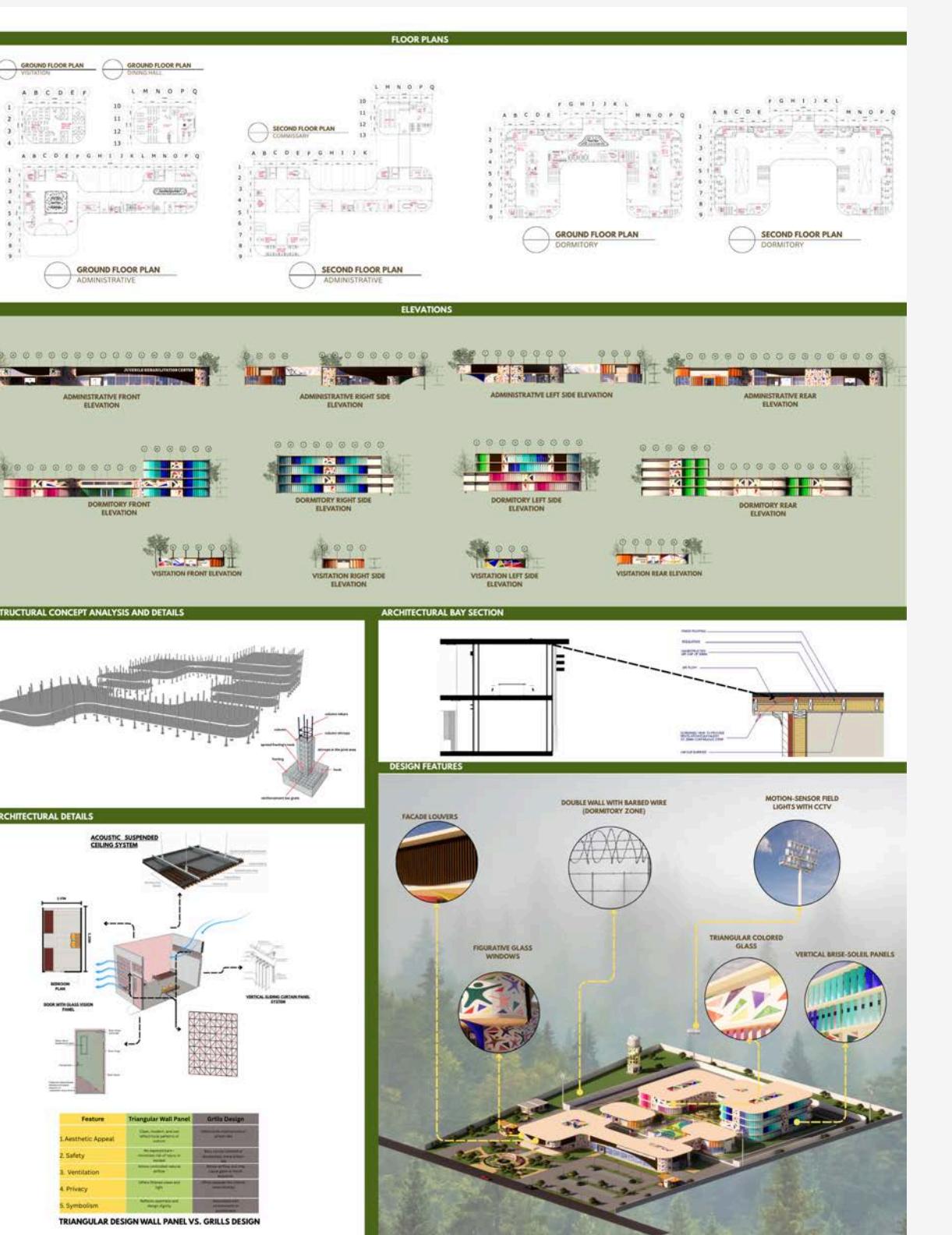
PARAMETRIC TRUSS STEEL

SECTIONS

SECTION THRU A

SECTION THRU B

4.3.3. JUVENILE REHABILITATION CENTER





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