



FOR ARCHITECTURE INTERNSHIP PORTFOLIO

PORTFOLIO

ARCHITECTURE INTERNSHIP PORTFOLIO
FROM THE DIRECTOR
THACHAKORN KOSAIYAKANONT

WARNING ALL OF THIS LABEL ARE NOT REAL

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INCLUDE 8 DISC
OF ARCHITECTURE PROJECT



Please remove the disc
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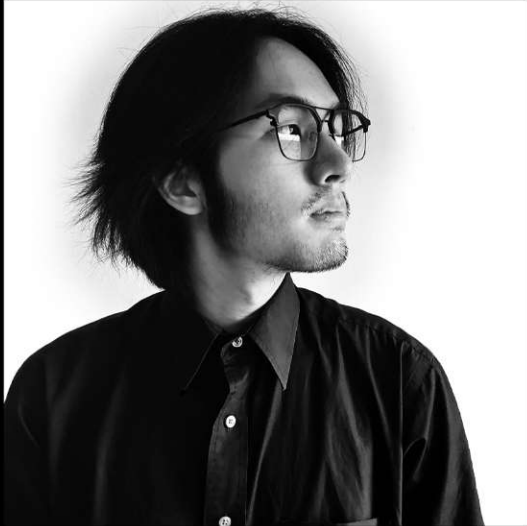


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**THACHAKORN
KOSAIYAKARNONT**

ME

D.O.B
2 DECEMBER 2001

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EDUCATION

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2020 - GRADUATED
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FACULTY OF ARCHITECTURE

COMPETITION

2023
NOVABUILD DESIGN AWARD
SUSTAINABLE HOUSE DESIGN

2023
COTTO SELF-TAINABLE
POPUP PUBLIC TOILET DESIGN

EXPERIENCE

2024
INTERNSHIP
ARCHITECT 49 HOUSE DESIGN LIMITED

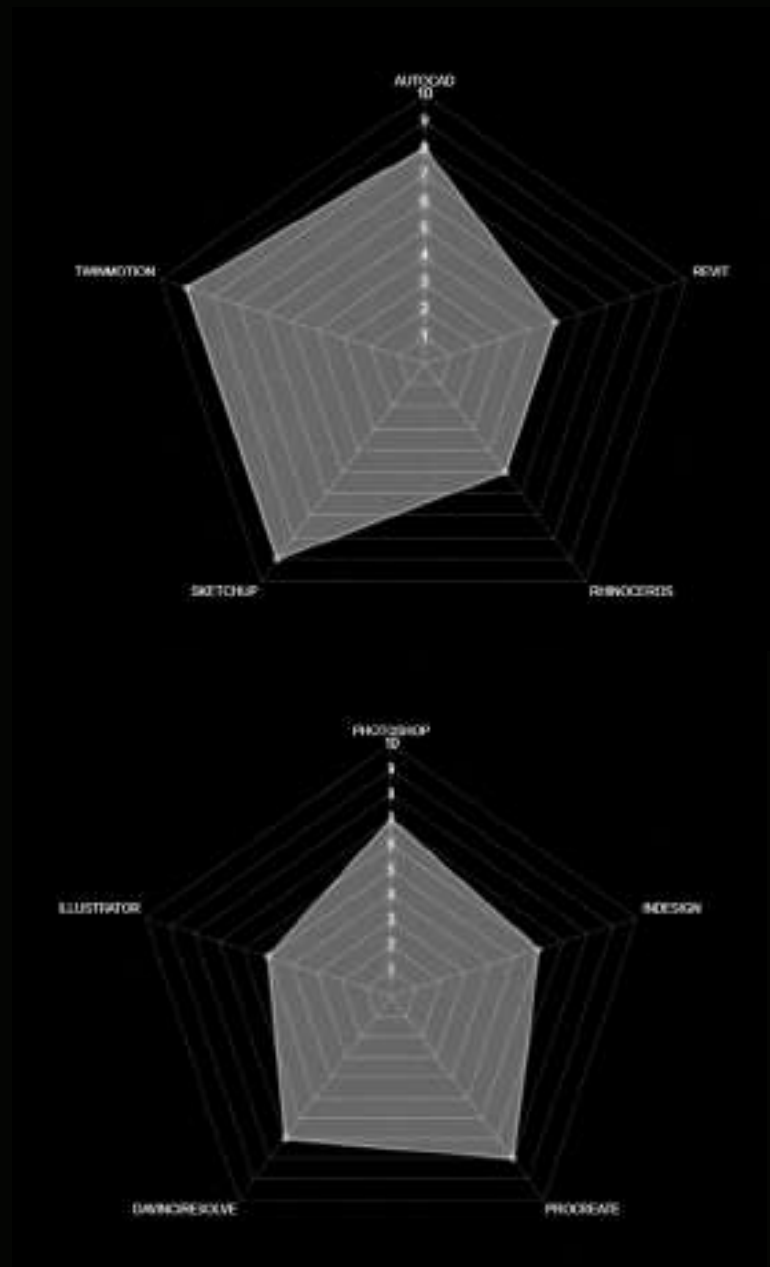
SKILLS

ARCHITECTURAL PROGRAM

AUTODESK AUTOCAD
 AUTODESK REVIT
 RHINOCEROS
 SKETCHUP
 TWINMOTION
 ENSCAPE

DESIGN/PRODUCTION PROGRAM

ADOBE PHOTOSHOP
 ADOBE ILLUSTRATOR
 ADOBE INDESIGN
 PROCREATE
 DAVINCIREOLVE



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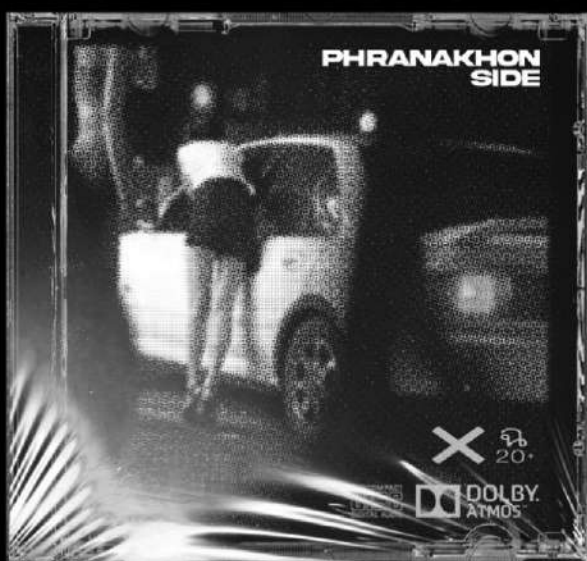
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MOUNTAINBIKE RIDE OVER HOUSE

THE PROGRAM

THE PROGRAM IN THIS PROJECT IS TEMPORARY HOUSING FOR 1 PERSON. IN THE AREA OF THE PHACHI RIVER IN RATCHABURI PROVINCE, WHICH RECEIVED THE QUESTION OF HAVING TO DESIGN THIS RESIDENCE IS MADE TO BE CONSISTENT WITH THE CONTEXT AND TRULY LIVEABLE.

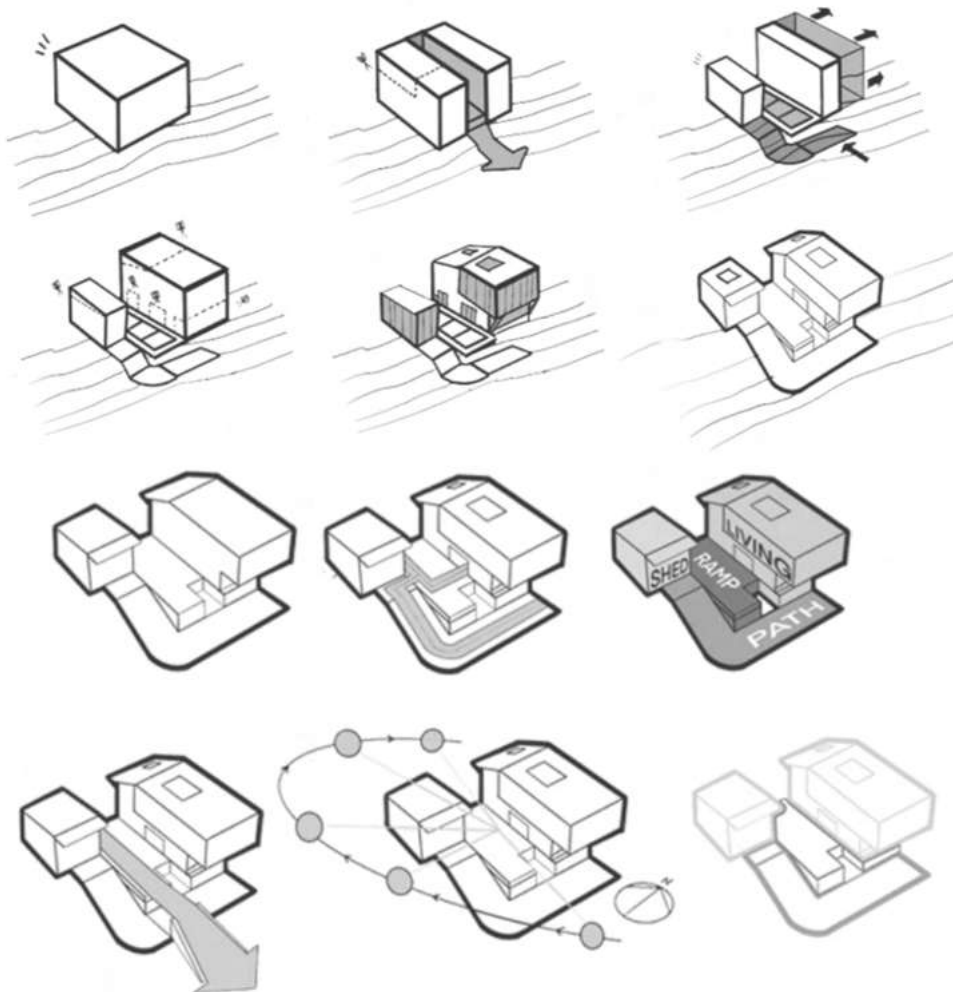
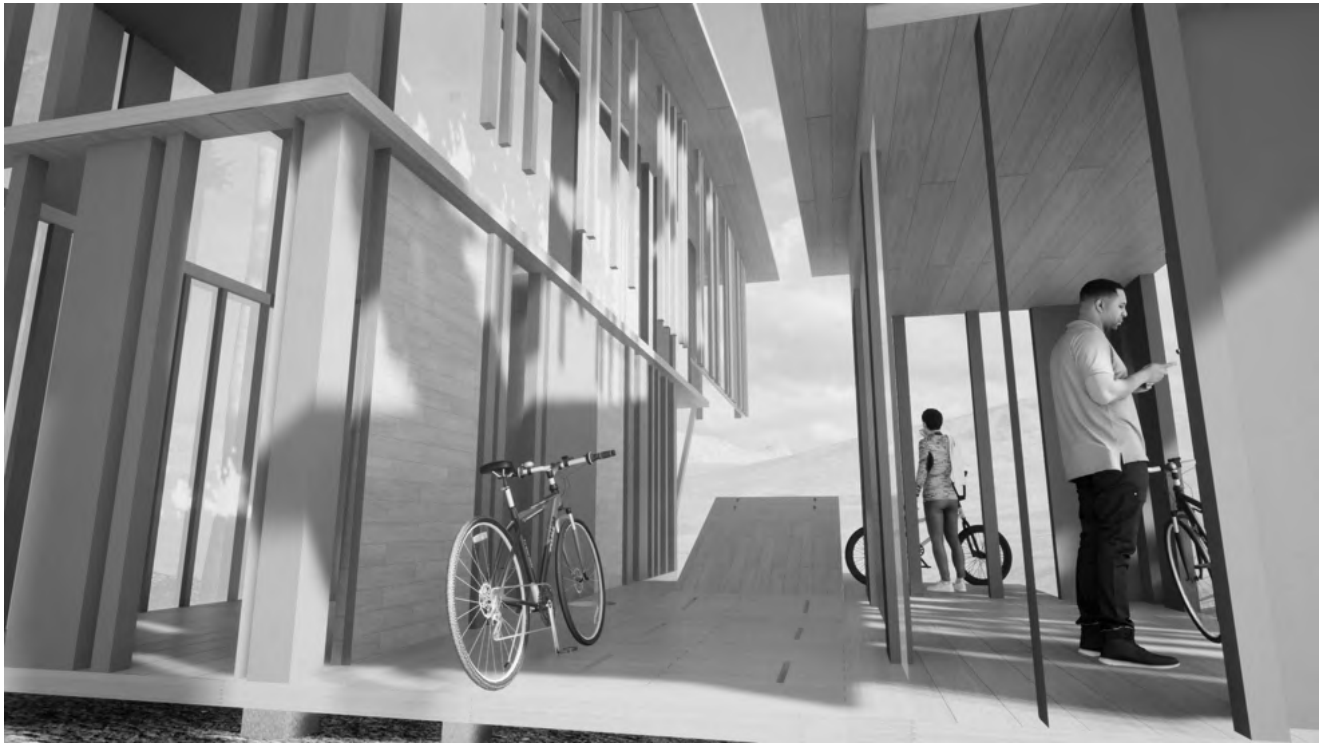


THE SITE

AS MENTIONED ABOVE, THE SITE IS LOCATED IN THE TAKU TREE FOREST NEXT TO THE PHACHI RIVER IN RATCHABURI PROVINCE. THE SURROUNDING CONTEXT IS FULL OF TAKU TREES AND GRASS MIXED WITH THE GROUND. NEXT TO IT IS THE MAIN RIVER NEARBY. WITH THE LOCATION CHOSEN TO PLACE THE HOUSE BEING A SMALL STREAM, WE BEGAN TO HAVE AN IDEA TO TIE SOME ACTIVITIES INTO THIS DESIGN.

THE CONCEPT

THAT CONCEPT STARTED FROM THAT TIME WHEN I MYSELF LIKED MOUNTAIN BIKING. AND TRY TO IMAGINE THAT IF YOU HAVE A SITE LIKE THIS, YOU WANT A HOUSE DESIGNED FOR THIS ACTIVITY. THEN YOU TRY TO FIND VARIOUS TOOLS. CAME TO DEVELOP THE DESIGN IN THE SAME DIRECTION AS THE FIRST IMAGE WHEN THINKING OF THE CONCEPT.

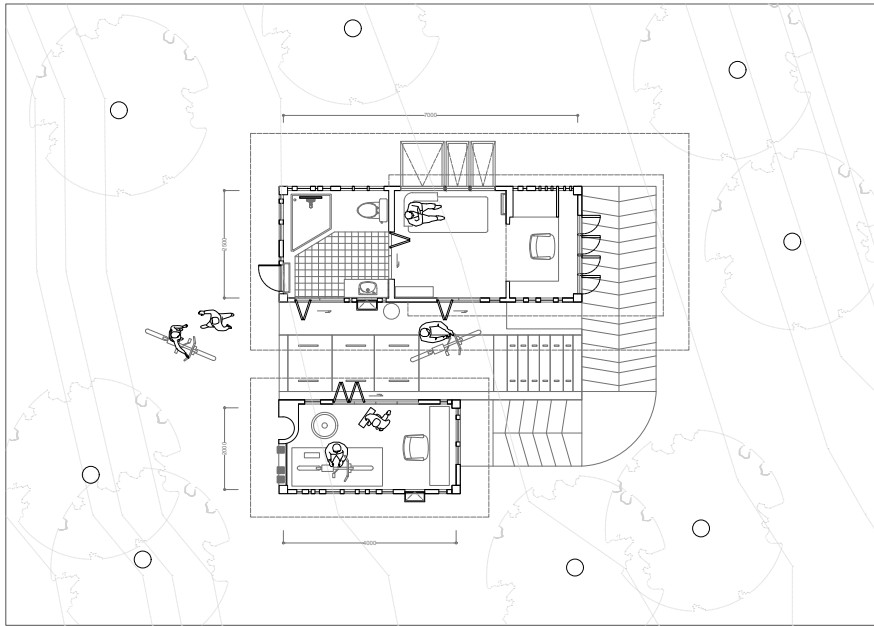


MASS DEVELOP

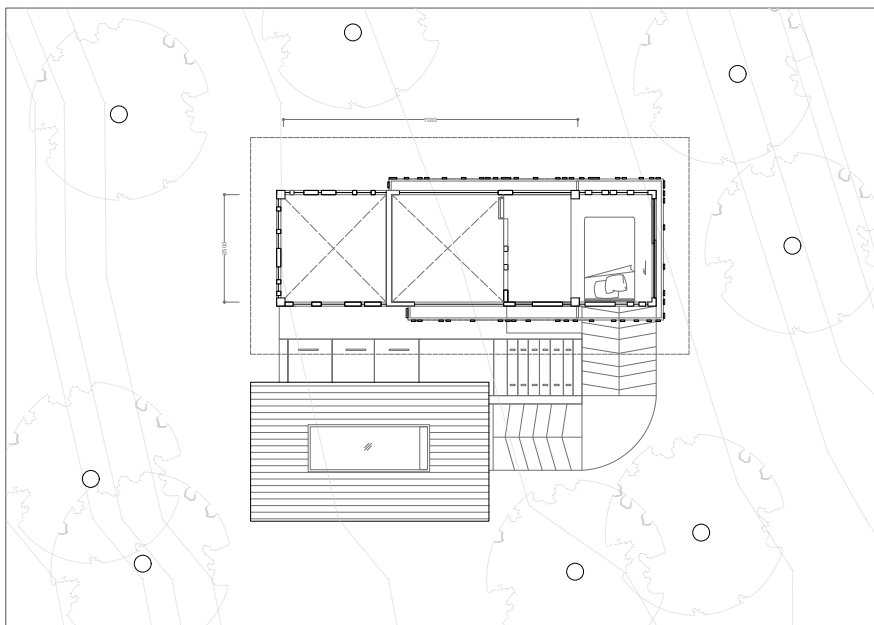
THAT PROCESS STARTS WITH A SIMPLE BLOCK AND SUBTRACTS SOME OF THE MASS TO CREATE A BICYCLE PATH THAT RUNS THROUGH THE HOUSE. WITH A CONNECTING WALKWAY THAT CAN ADJUST THE LEVEL AND THE BUILDING IS DIVIDED INTO TWO BUILDINGS. THE MAIN BUILDING WILL BE THE MAIN RESIDENTIAL BUILDING AND THE SMALL ONE WILL BE THE WORKSHOP GARAGE.

MASS EXPLANATION

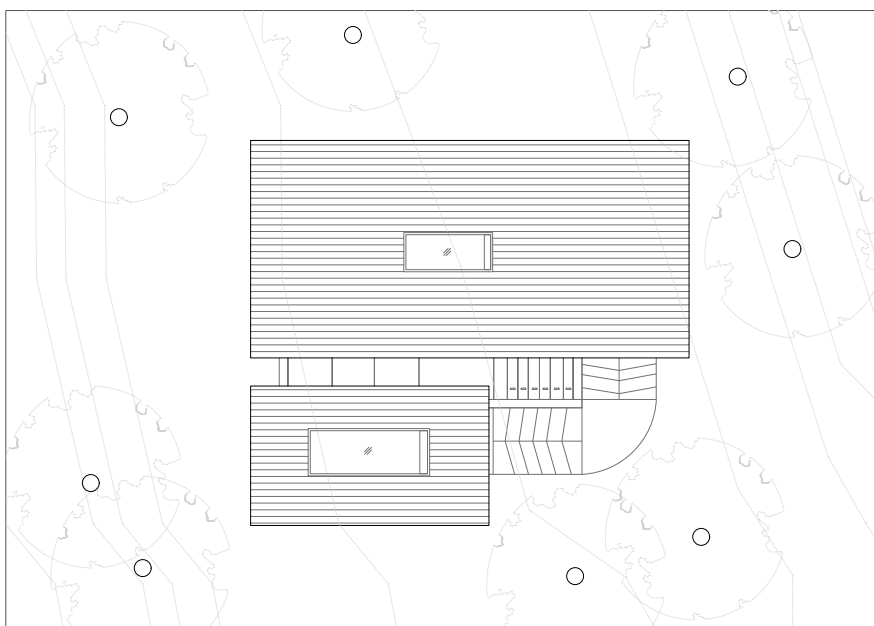
AFTER RECEIVING THE MASS OF THE BUILDING, WE WILL SEE THE MAIN CONNECTIONS AND CIRCULATION OF THE BUILDING, THE SCALE OF THE PROGRAM, AND THE ORIENTATION. VARIOUS FUNCTIONS INCLUDING SUNSHADE THAT THE BUILDING HAS BUILT


FIRST FLOOR PLAN

THE FIRST FLOOR AREA IS DIVIDED INTO TWO BUILDINGS. THE MAIN HOUSE WILL BE THE MAIN LIVING SPACE CONSISTING OF A HALL, OFFICE ROOM AND BATHROOM. IN THAT SMALL BUILDING IS A MOUNTAIN BIKE WORKSHOP. THE TWO BUILDINGS WILL BE CONNECTED BY AN ADJUSTABLE RAMP WALKWAY THAT CAN BE ADJUSTED.


MEZZANINE FLOOR PLAN

ON THE MEZZANINE IS THE BEDROOM AREA. THAT PROTECTED THE PRIVACY WITH A WOODEN BATTEN FACADE THAT DESIGN FROM THE RHYTHM OF TAKOO TREE


ROOF TOP VIEW

BOTH BUILDINGS HAVE SKYLIGHTS THAT CAN CREATE A CROSS VENTILATION IN BOTH BUILDINGS



THE PROGRAM

THE DESIGN PROGRAM IS A VILLAGE-SCALE RESIDENTIAL COMPLEX CONSISTING OF FOUR FAMILIES, EACH RUNNING A SIMILAR BUSINESS: CANNABIS FARMING. IT IS THE ORIGIN OF THIS PROJECT, THE HAPPY VILLAGE.

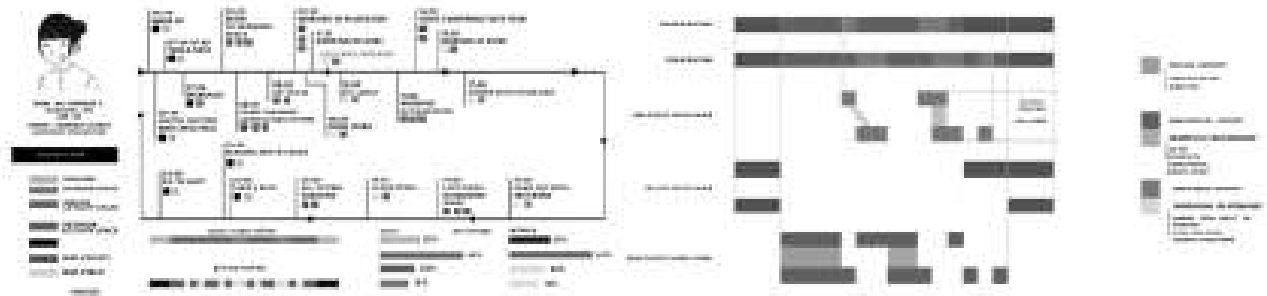
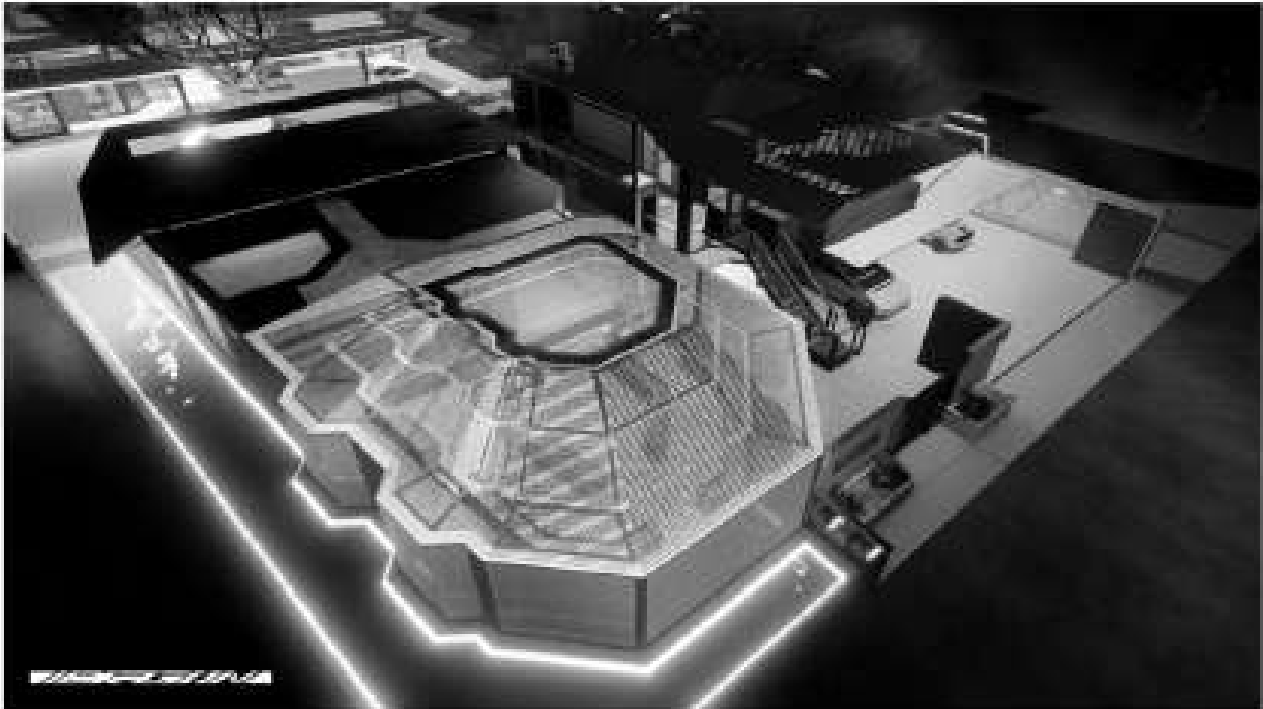


THE SITE

THE SITE IS SET IN NORTHERN THAILAND IN CHIANG MAI PROVINCE. THE SITE CONTEXT IS SURROUNDED BY NATURE. IT IS SUITABLE FOR CANNABIS FARMING AND THERE IS A MAIN ROAD NEXT TO THE SITE WHICH CAN CREATE SOME CONNECTIVITY. TO CREATE A COMMUNITY ABOUT MARIJUANA.

THE CONCEPT

THE CONCEPT CAME FROM CURIOSITY ABOUT THE GENETIC STRUCTURE OF THE CANNABIS PLANT, SO THEY WENT TO STUDY VARIOUS STRUCTURES. AND FOUND THE INITIAL STRUCTURE TO BE HEXAGONAL, SO USED THAT FORM TO DESIGN THE PHYSICAL BUILDING, INCLUDING CONNECTIONS AND RELATIONSHIPS. OF VARIOUS AREAS THAT OCCUR IN DESIGN WORK

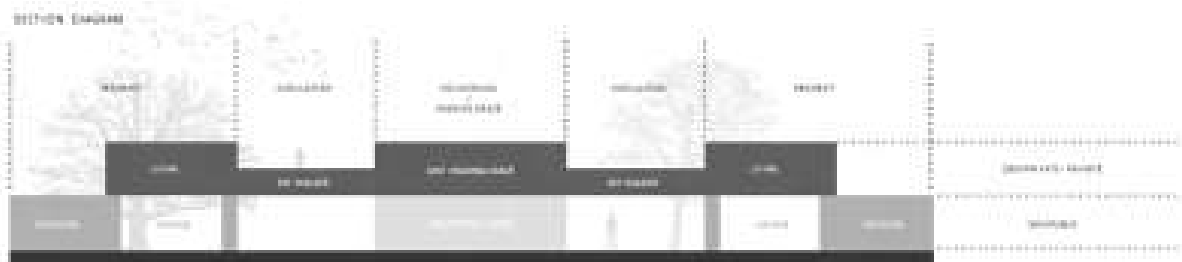
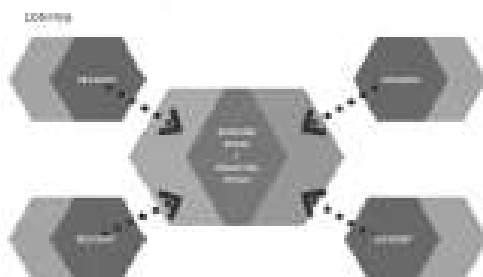


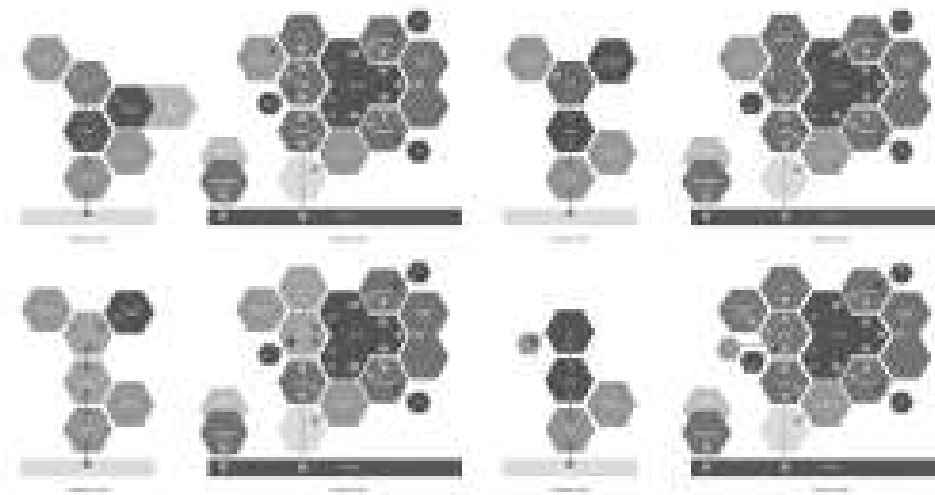
USER ANALYSIS AND TIME ZONE

FIRST I JUMPED TO ANALYSIS MY USER
AND ANALYSIS A TIMEZONE FOR THE FUNCTION SCALE
AND PLACEMENT POSITION IN THE PROJECT

FUNCTION RELATIONSHIP AND SELECTED SCHEMATIC

I SELECTED THE SCHEMATIC THAT HAVE A BIG CANNABIS LAB IN THE CENTER AND OTHER BUILDING WILL GATHER TOGETHER AND RESEARCH ABOUT THE CANNABIS IN THIS BUILDING

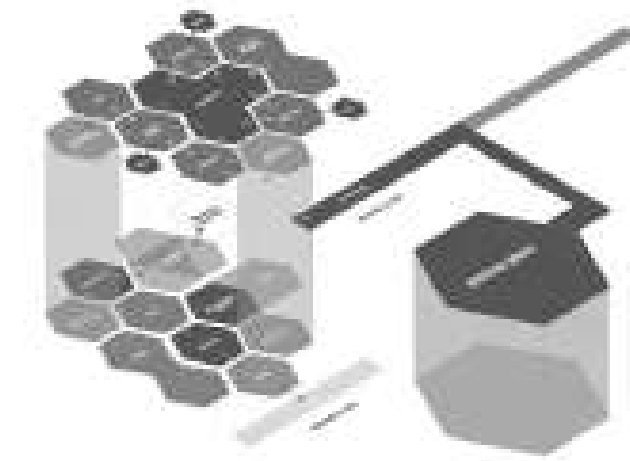




FUNCTION RELATIONSHIP

THE FUNCTION WILL CONNECT TOGETHER WITH A HEXAGONAL CONNECTION IN THE FIRST SCHEME OF THE DESIGN

THIS CONNECTION WILL USE FOR ALL OF THE BUILDING IN THIS PROJECT



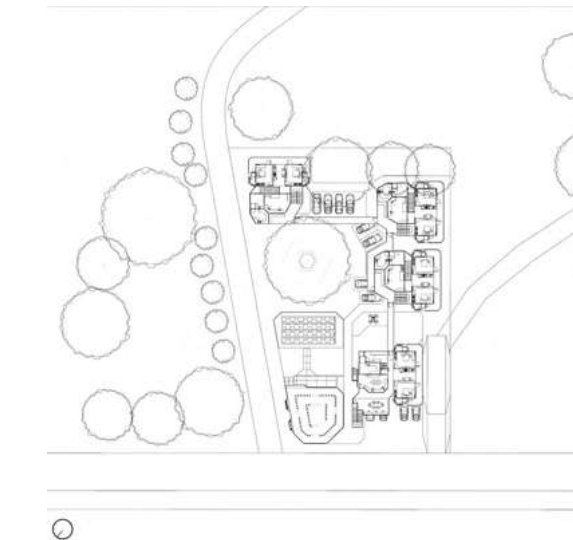
FUNCTION RELATIONSHIP ISOMETRIC

GATHER AN INFORMATION FROM THE 2D DIAGRAM AND CREATE A ISOMETRIC VIEW FOR THE VERTICAL CONNECTION AND SHOW THE CONNECTION TO THE MAIN CANNABIS RESEARCH LAB



FUNCTION PLACEMENT POSITION

EACH FUNCTION PLACEMENT POSITION CONTROL BY THE SUNSHADE THAT I STUDY FOR A YEARS



LAY OUT PLAN

IN THE FINAL DESIGN THE MEDICAL DIVISION FAMILY PLACE IN THE FRONT WITH ADJACENT CANNABIS LAB AND OTHER WILL BE IN THE BACK THAT HAVE A BIG TREE THAT CONNECT ALL TOGETHER



THE PROGRAM

THE PROGRAM IN THIS PROJECT IS AN ARCHITECTURAL UNIVERSITY. WHEN I FIRST RECEIVED THE PROGRAM, I STARTED ASKING QUESTIONS ABOUT UNIVERSITY DESIGN. IN TERMS OF THE SEQUENCE OF SPACE AND ADDING SOME ADDITIONAL FUNCTIONS TO MAKE THE LIFE AND WELL-BEING OF STUDENTS AND OTHER USERS BETTER THROUGH THE INTERPRETATION OF THIS DESIGN.

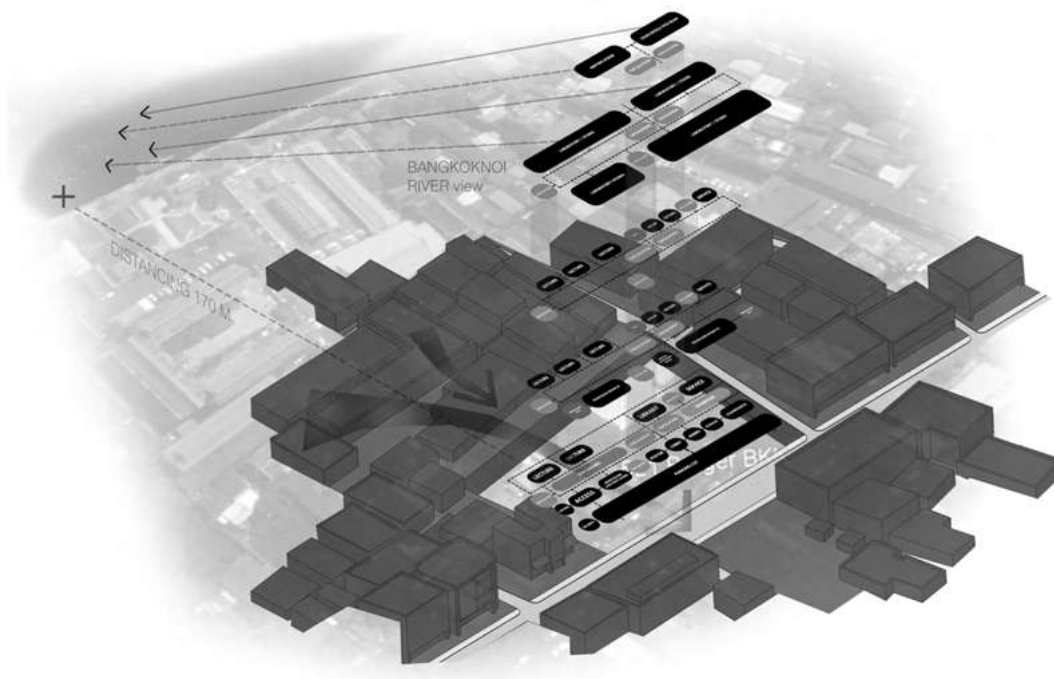


THE SITE

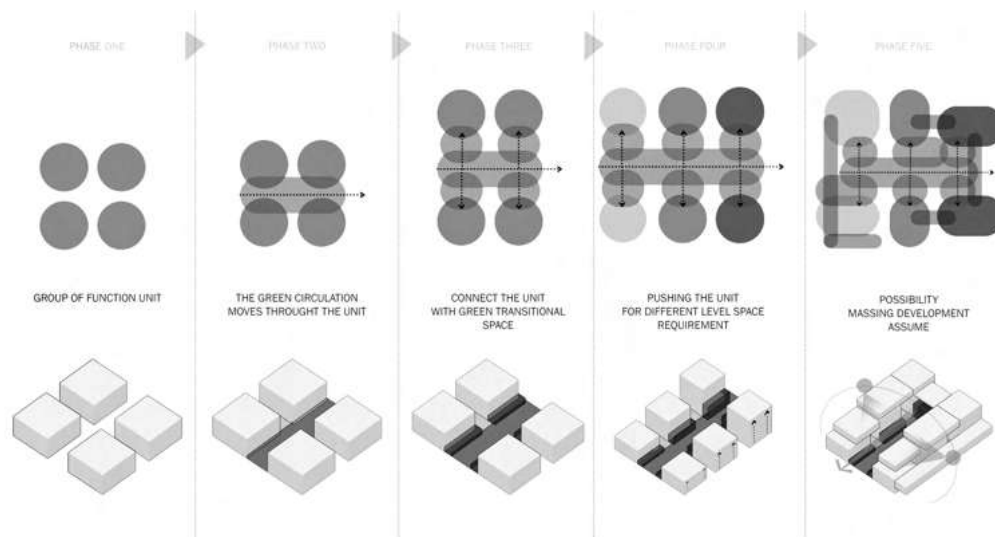
THE SITE IS CLOSE TO BANGKOK NOI CANAL, WHICH HAS A LONG HISTORY OF TRANSPORTATION AND PEOPLE TRAVELING. AND THE NATURE OF THE COMMUNITY IS THAT IT IS QUITE CROWDED AND DOESN'T HAVE MUCH OPEN SPACE AND PUBLIC CONNECTION SPACE. WHEN WE RECEIVED THE SITE AREA, WE HAD THE IDEA OF CONNECTING IT WITH BANGKOK NOI CANAL TO DEVELOP SOME AREAS. THAT MAY OCCUR IN THIS PROJECT

THE CONCEPT

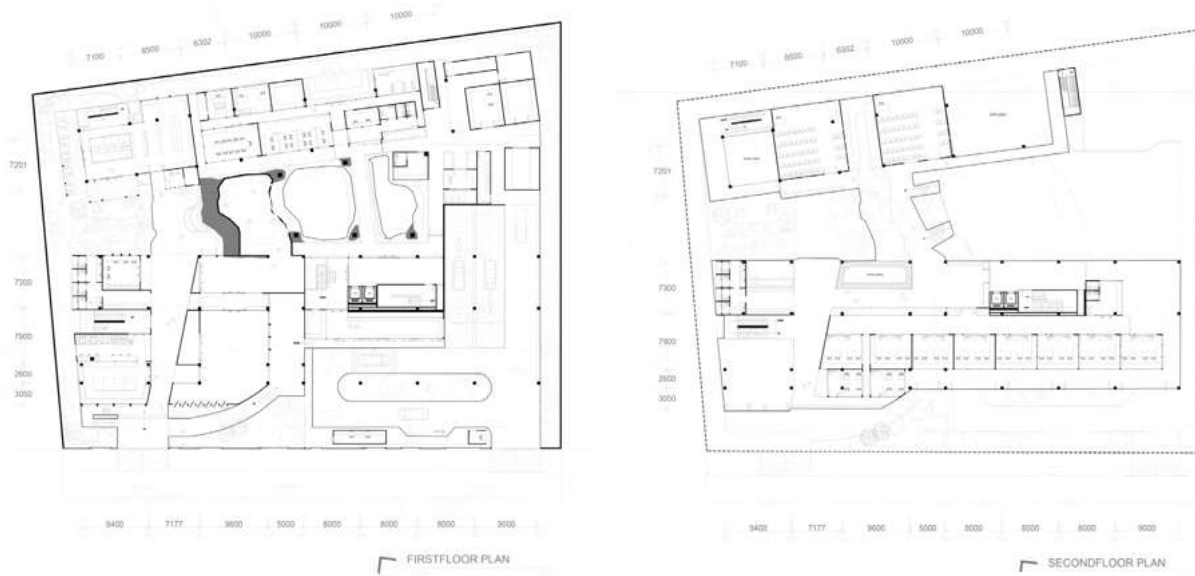
AFTER RECEIVING THE PROGRAM AND SITE, I TOOK THE QUESTIONS THAT AROSE AND REVIEWED THEM AND CAME UP WITH ARCHITECTURAL CONDITIONS TO DESIGN THIS PROJECT, WHICH WOULD BRING THE IDENTITY OF BANGKOK NOI CANAL TO THE BELIEF OF A ZEN GARDEN WITH THE METAPHOR THAT SAND IS CONNECTED TO WATER. AND BECOMES A CIRCULATION IN THE PROJECT AND THE STONE METAPHOR HAS VARIOUS FUNCTIONS



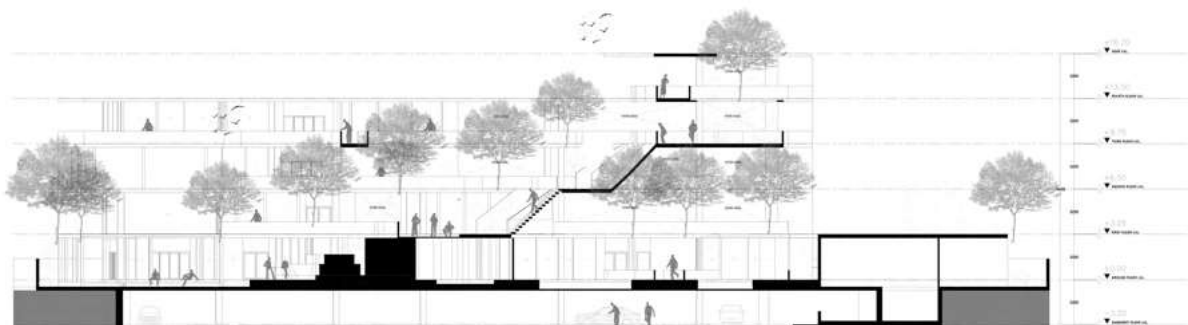
THE FIRST STEP OF THE DESIGN BEGINS WITH ARRANGING AND CLASSIFYING THE FUNCTIONAL ANALYSIS PROGRAM. WHO WANT A VIEW OR WANT ANY FUNCTION THAT DOESN'T WANT AND ANALYZE THE WEATHER AT THE SAME TIME?



CONCEPT IN DEVELOPING THE BUILDING IN THE FINAL STAGE THROUGH CONNECTING VARIOUS SPACES WITH A GREEN AREA IN THE MIDDLE OF THE PROJECT. AND CREATING POSSIBILITIES TO CONNECT VARIOUS AREAS SUCH AS PARK AREAS THAT WILL BE DONE IN THE UNIVERSITY ARE NOT TIED TO BEING ONLY AN EDUCATIONAL INSTITUTION, IT ALSO PROVIDES BENEFITS TO PEOPLE IN THE COMMUNITY.



THE FLOORPLAN SHOWS TWO BUILDINGS CONNECTED BY GREEN SPACE, AND THE HORIZONTAL RELATIONSHIP BETWEEN THE ACTIVITY BUILDING AND THE CLASSROOM BUILDING.



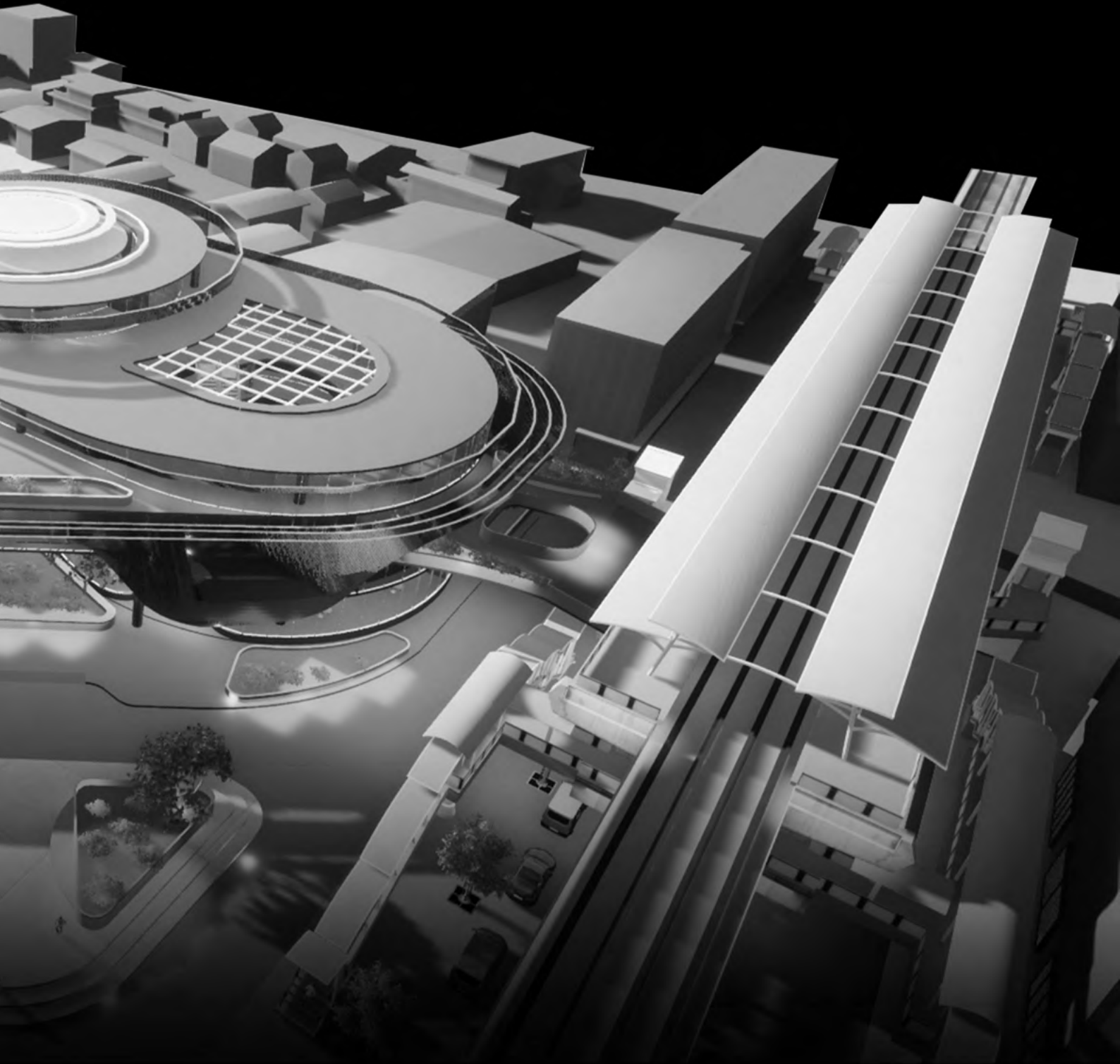
SECTION VIEW THAT SHOWS THE FUNCTIONING OF THE GREEN AREA AND THE USE OF VARIOUS TYPES OF USERS



ARIENTER
SEPHORIS

THE PROGRAM

FOR THE PROGRAM IN THIS DESIGN IT IS A SHOPPING MALL DESIGN IN THE SAME AREA WHERE THERE IS ALREADY A MARKET PLACE. THIS IS A LARGE DESIGN PROJECT FROM ARCHITECTURE SCHOOL . THE PROGRAM MAINLY FOCUSES ON STANDARD SHOPPINGMALL FUNCTIONS. THIS GAVE ME THE IDEA OF WANTING TO CHANGE SOME RELATIONSHIPS WITH THIS DESIGN.

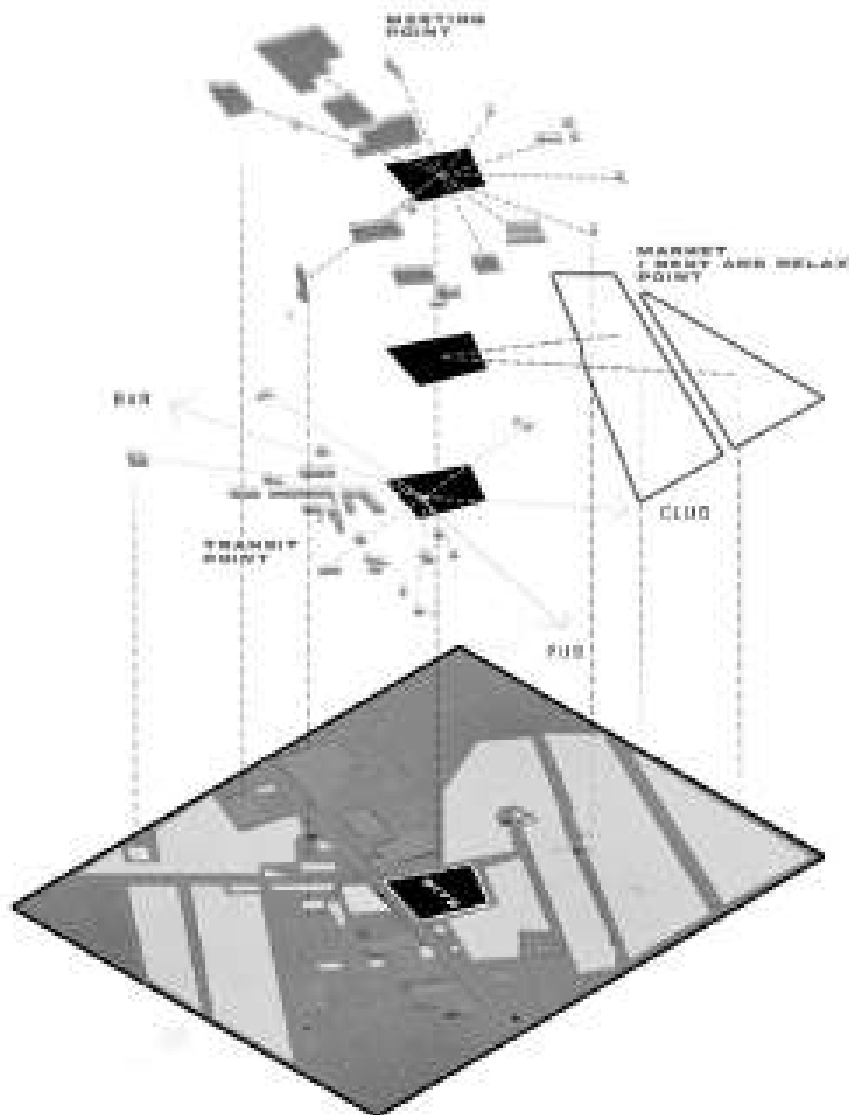


THE SITE

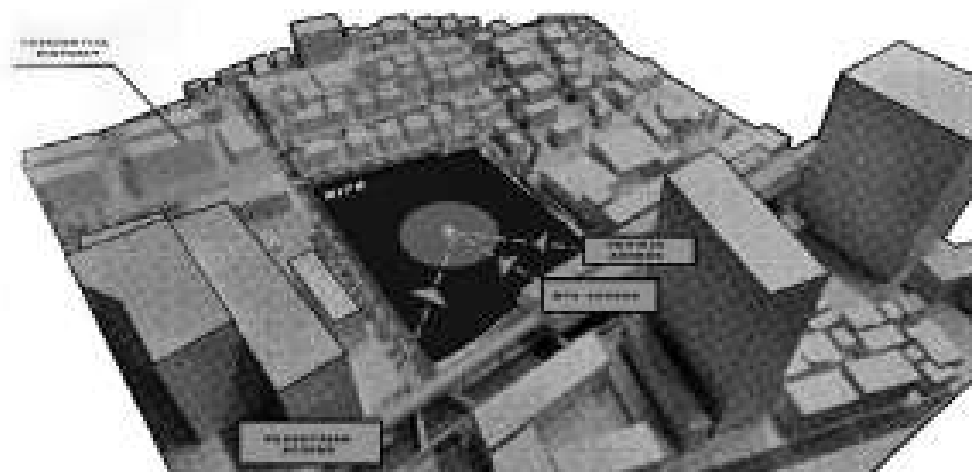
THE SITE IN THIS PROJECT IS AT BTS ARI, WHICH IS THE OLD LAND OF LA VILLA ARI. THE CONTEXT IS THAT THERE IS A LOT OF RUSH, BOTH BTS, THE MAIN ROAD IN FRONT OF THE SITE AND PEOPLE WALKING PAST ALL DAY. AND THE TIMEZONE OF EACH PERSON IS DIFFERENT BECAUSE THIS AREA IS VERY FLEXIBLE. SO YOU MIGHT WANT SHOPPING-MALL. THAT HAS SOME FACILITIES THAT ARE DIFFERENT FROM OTHER PLACES TODAY

THE CONCEPT

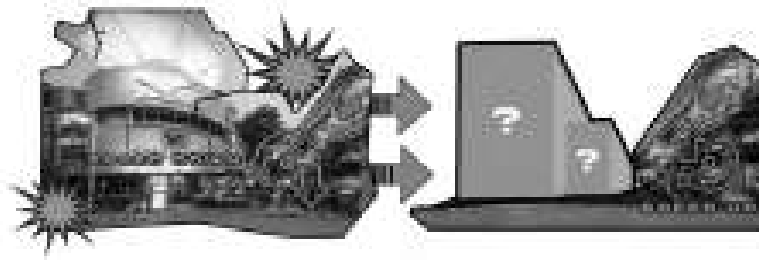
AFTER ANALYZING THE AREA AND USERS, THE CONCEPT OF WANTING TO CREATE A SHOPPING MALL WAS BORN THAT CAN BE DIVIDED INTO TIME ZONES FOR OPENING AND CLOSING FREELY TO RESPOND TO THE TIME OF LIFE. OF BANGKOK PEOPLE COMPREHENSIVELY



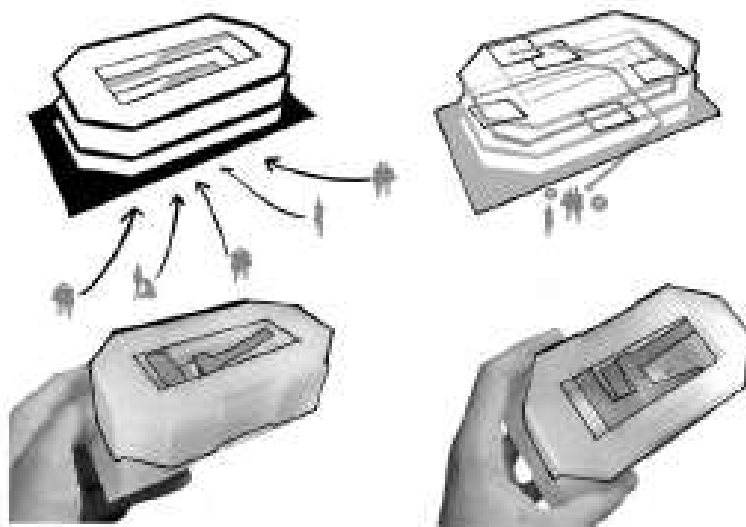
THE DESIGN START BY ANALYSIS THE NETWORK OF THE SITE AND COMMUNITY NODE THAT CAN APPROACH THE SITE AREA



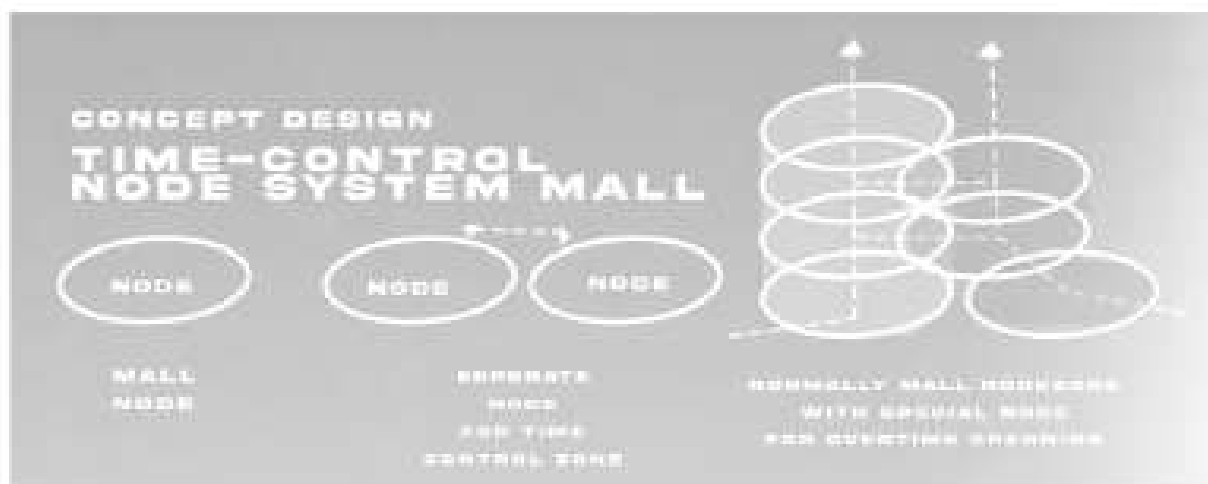
SITE ACCESS BY VARIOUS TYPE OF USER AND DISTRICT AREA



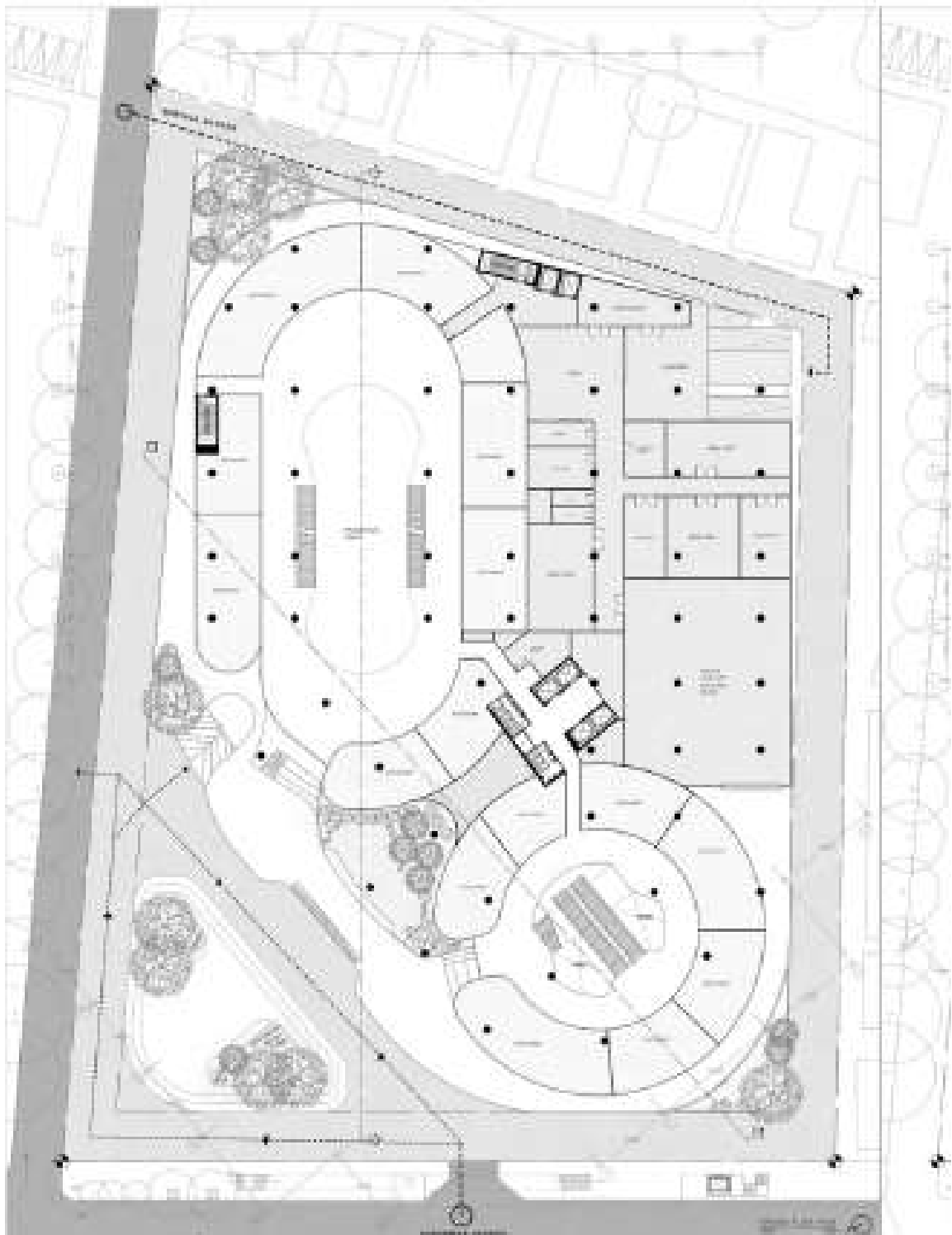
PROBLEM SEEKING FOR THE DESIGN SOLUTION
AFTER RESEARCH I FOUND A SPEED DOWN PROBLEM THAT MADE PEOPLE FEEL BORED
TO THE TYPICAL SHOPPING MALL



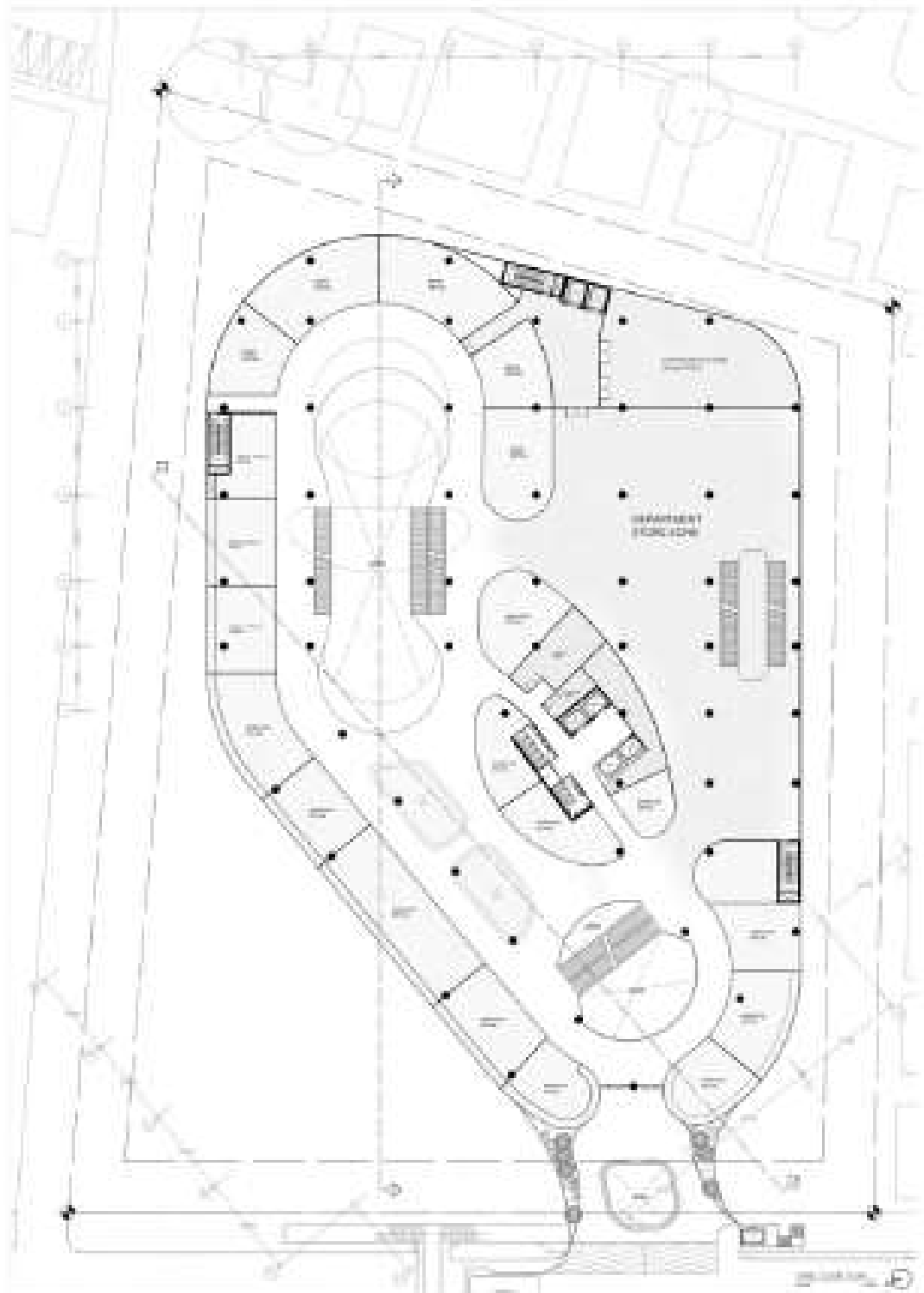
PHYSICAL MODEL STUDY FOR THE FORM OF CIRCULATION IN THE SHOPPING MALL



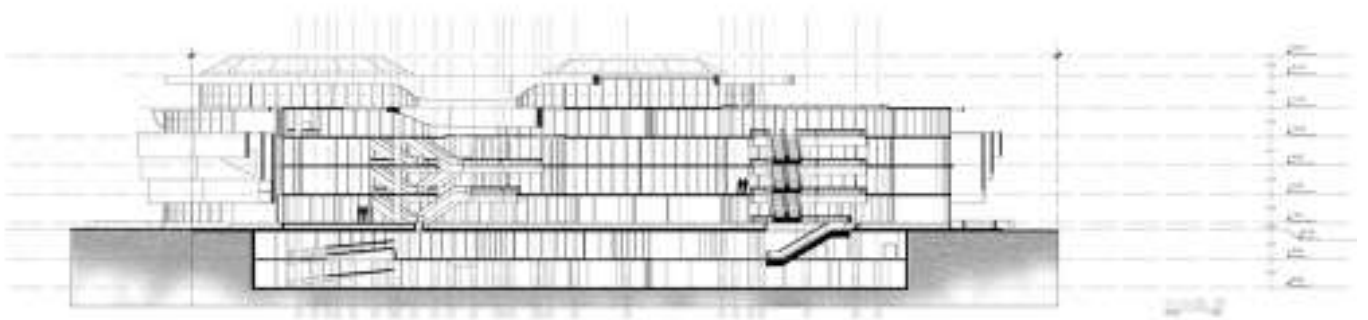
CORE CONCEPT ABOUT THE PHYSICAL FORM AND SPECIAL TIMEZONE NODE



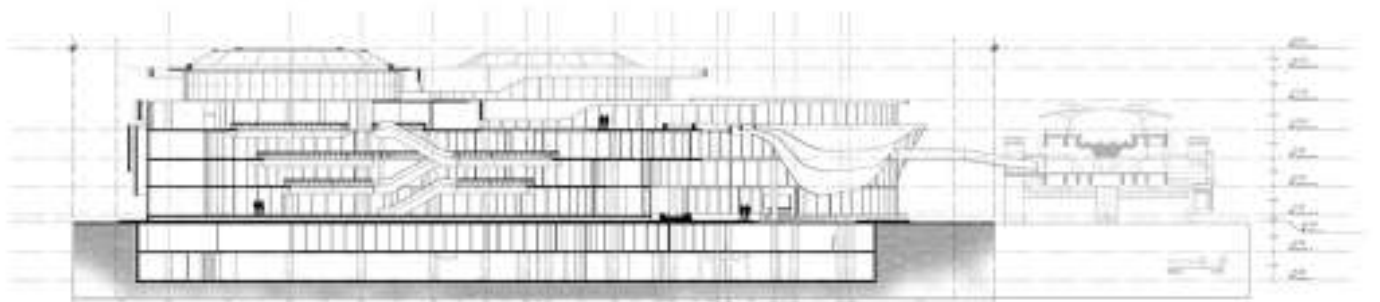
GROUND FLOORPLAN



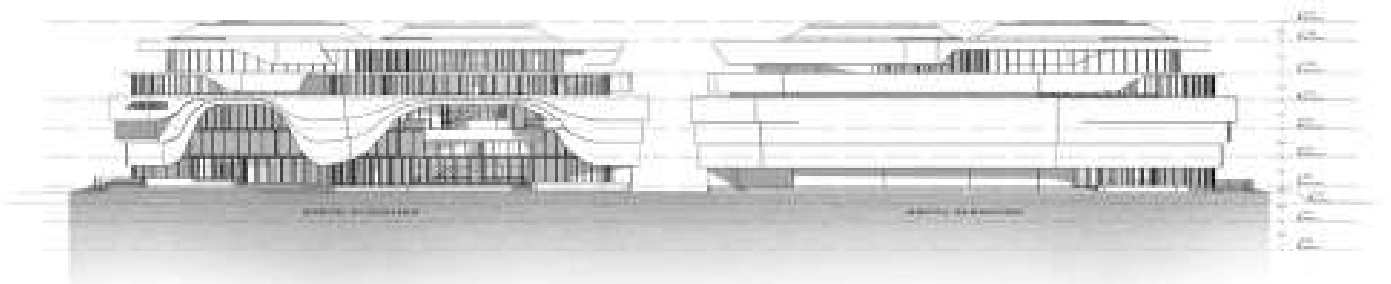
SECOND FLOORPLAN BTS CONNECTION FLOOR



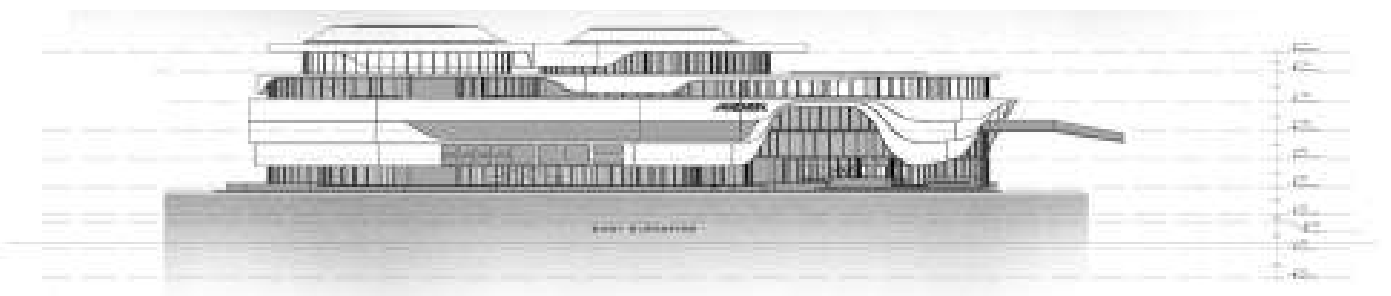
SECTION VIEW THAT SHOWS BOTH SHOPPING MALL NODE



SECTION VIEW THAT SHOWS A NORMAL TIMEZONE NODE



ELEVATION VIEWS FORM THE BTS STATION



ELEVATION VIEW IN FRONT OF THE BUILDING



THONGLOR GRANDEUR
BABYLON
COMPLEX

THE PROGRAM

THE PROGRAM IN THIS DESIGN IS A LUXURY MIXED USE PROJECT THAT SETS ITSELF AS A NEW MIXED-USE LOCATION THAT WILL MAINLY WELCOME FOREIGN TOURISTS, AND THE MAIN FUNCTIONS WILL BE A LUXURY HOTEL AND A LUXURY SHOPPING MALL , WHICH HAS THE CHALLENGE OF DESIGNING THE BUILDING TO BE ACTUALLY USABLE AND IN ACCORDANCE WITH THE PRINCIPLES OF THE LAW, AND VARIOUS SYSTEM WORK THAT IS COMPLETE



THE SITE

THE SITE IS LOCATED IN THE THONGLOR AREA NEXT TO THE MAIN ROAD AND CONNECTED TO BTS THONGLOR. THE CONTEXT IS NOT OBSCURED BY BUILDINGS AND THERE IS GREEN SPACE AROUND. BUT THE TRAFFIC AND NUMBER OF PEOPLE ARE CONGESTED ALMOST EVERY TIME OF THE DAY. AS A RESULT, THERE MAY BE A NEED FOR AREAS TO VENT PEOPLE AND SOME PUBLIC AREAS THAT HELP RELIEVE THE DENSITY. THE PEOPLE OF THE CITY PASSED THIS DESIGN.

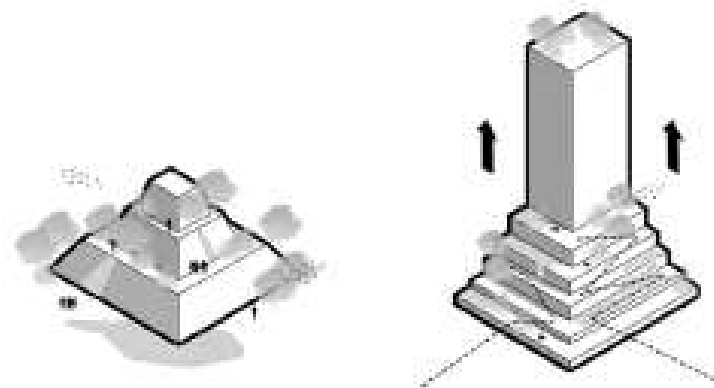
THE CONCEPT

THE CONCEPT FOR THIS DESIGN COMES FROM THINKING OUTSIDE THE BOX AND WANTING TO DESIGN ARCHITECTURE IN THE MIDDLE-EAST STYLE. AND MIXED WITH THE DESIGN OF GREEN SPACE THAT CAN GENERATE INCOME FOR THE PROJECT AND BE A PUBLIC SPACE FOR CITY PEOPLE. AT THE SAME TIME, JOINT DEVELOPMENT WITH A PARTNER WAS STARTED UNDER THE NAME STUDIO PARKING ARCHITECT.



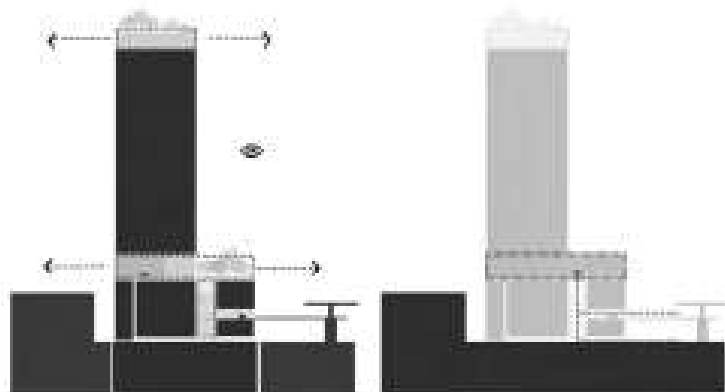
THE MASS AND CONCEPT

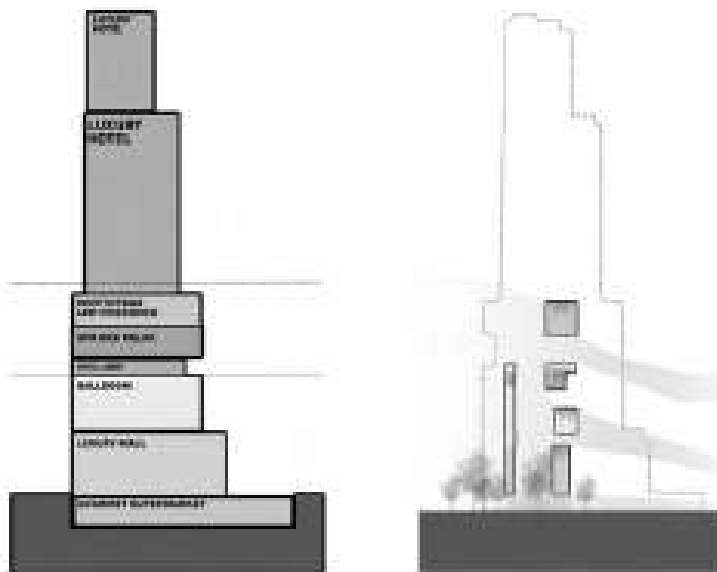
WE STARTED BY RESEARCH ABOUT THE MIDDLE EAST FORM THEN WE FOUND BABYLON GARDEN FORM THAT LOOKS LIKE A STEP PYRAMID AND WE JUST STACK A MASSIVE BLOCK UNDER THE BASE AND DEVELOP THE MASS FORM THE FINAL RESULT



THE SECTION STUDY

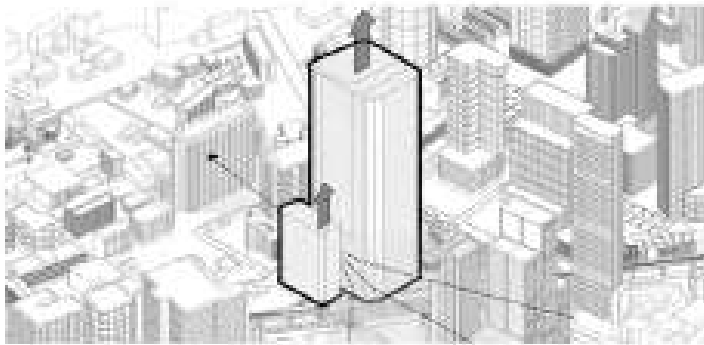
AFTER WE HAVE A BASE OF THE BUILDING FORM WE DESIGN ABOUT THE VIEW THE GREEN AND VENTILATION SYSTEM FOR THE GOOD EXPERIENCE AND GREAT ENVIRONMENT FOR THE USER





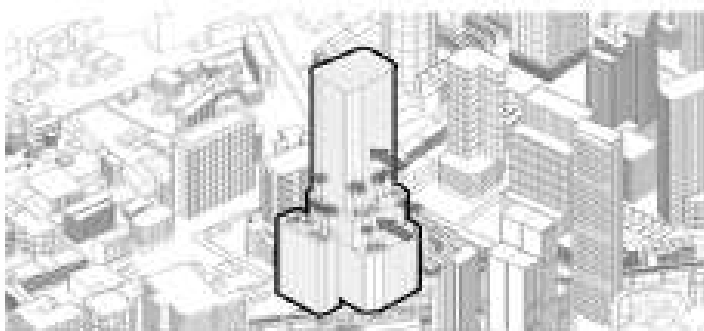
THE STACKING ZONING

AFTER THE SECTION STUDY
WE STACK THE FUNCTION AND SEE WHAT FUNCTION
CAN POSSIBLE OPENED TO THE NATURAL WIND AND SUNLIGHT
AND STUDY ABOUT THE EFFECT OF THE POSITION
THAT WE PUT IT IN THE BUILDING



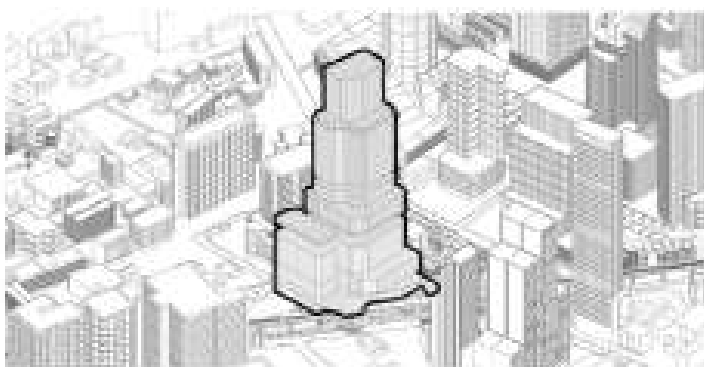
MASS DEVELOP PROCESS

LIFTED THE PLANE UP
AND SEPERATE THE MASS TO BE A TALL ONE THAT WILL BE
A LUXURY HOTEL AND THE SHORT ONE BE A SPECIALTIME NODE
SHOPPINGMALL WITH A TRANSFER SERVICE FLOOR



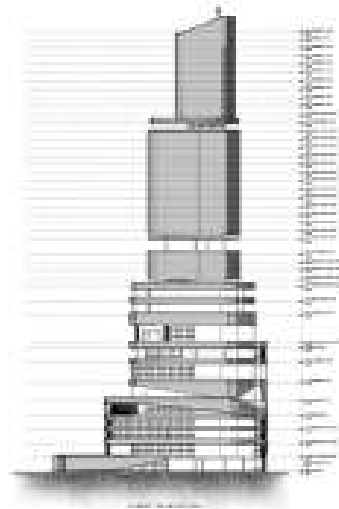
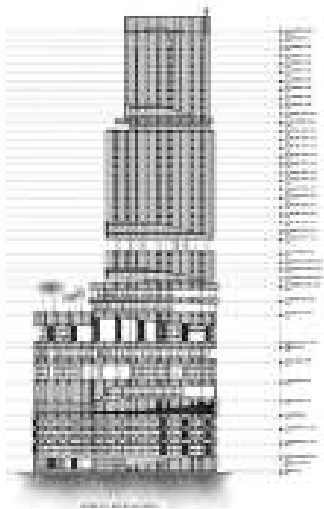
SHIFTING

SHIFT THE MASS BACK TO CREATE A GREEN SPACE
FOR HOTEL FACILITIES FLOOR AND THE SKYGARDEN PARK



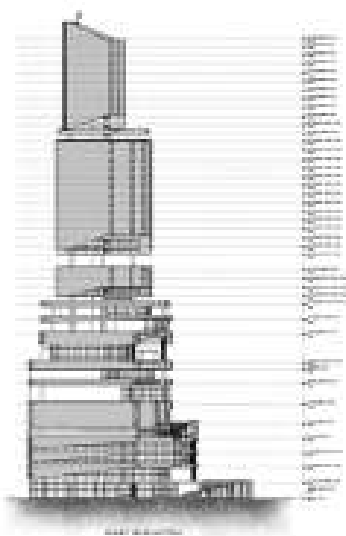
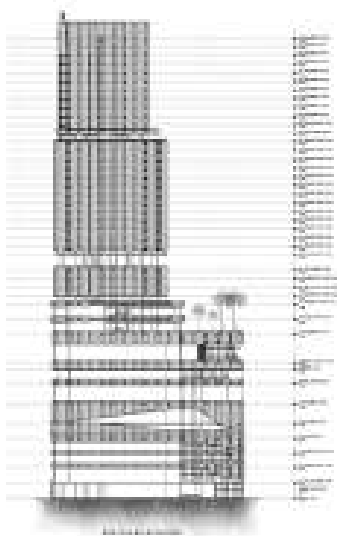
THE FINAL

AFTER ALL OF THE PROCESS WE GET THE FINAL FORM
OF THE BUILDING THAT HAVE ONE SIDE OF THE BUILDING
THAT STEP SMALLER TO THE TOP LIKE A BABYLON FORM
THAT WE DESIGN FORM THE START POINT
AND HAVE A VENTILATION VOID FOR A GOOD CLIMATE



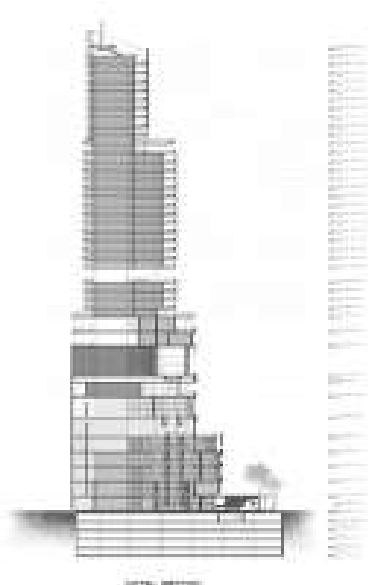
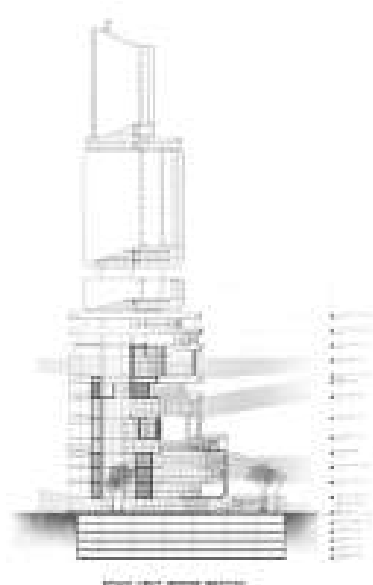
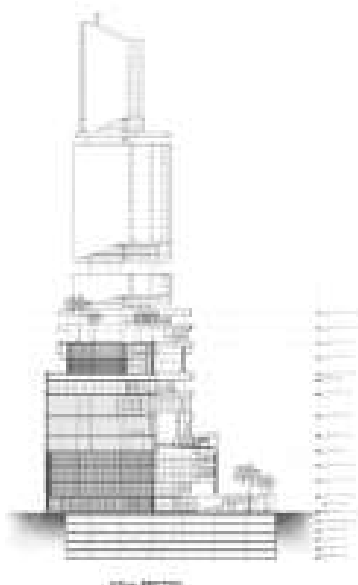
THE ELEVATION

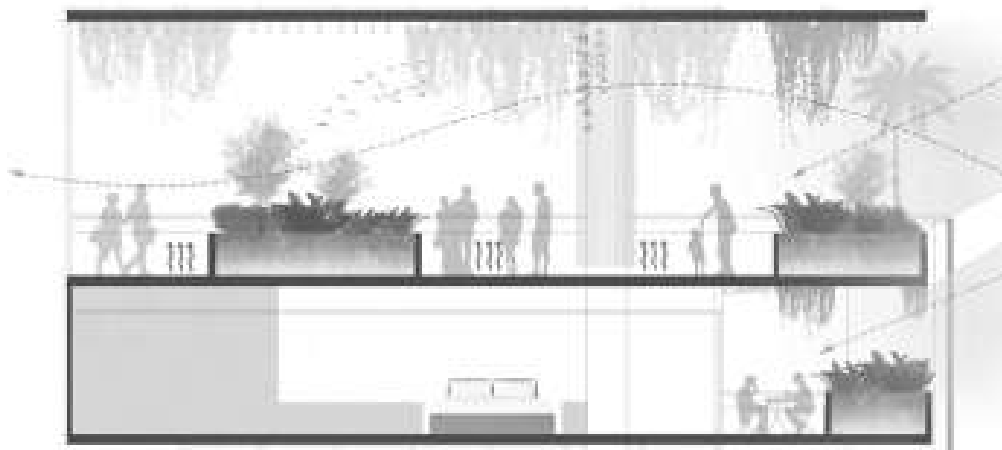
THE ELEVATION VIEW SHOWS THE FACADE DESIGN THAT COME FORM A ANCIENT LANGUAGE OF THE BABYLONIAN AND WE CARVING IT INTO THE FACADE FOR VIEWING POINT AND MATERIAL FOR THE FACADE IS THE TEARING IRON THAT MADE THE FACADE FEELS TRANSPARENT



THE SECTION

THE SECTION OF THE BUILDING SHOW THE GAP OF THE BUILDING THAT WIND CAN VENTILATION PASS THIS GAP AND THE BOTH BUILDING ALSO HAVE A CROSS VENTILATION TOO AND ALL OF THE VOID WILL HAVE A GREEN SPACE

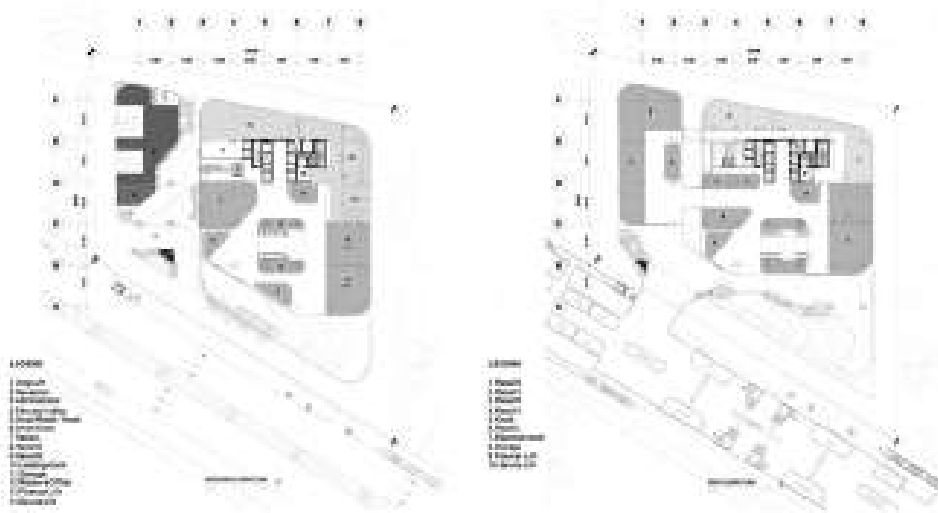




HOTEL ROOM SECTION AND SURFACE

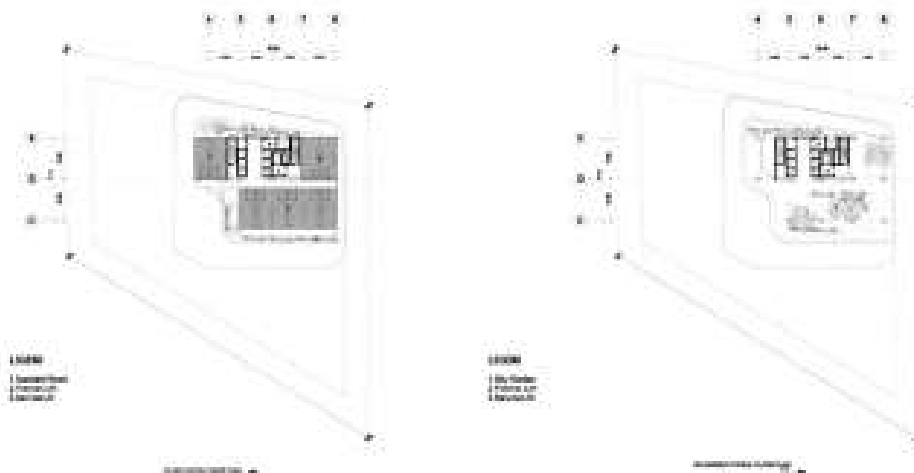
HOTEL ROOM SECTION

ABOUT THE ROOM SECTION
ALL OF THE ROOM IN LUXURY HOTEL
WILL HAVE A GREEN PRIVATE TERRACE
THAT USER CAN USE FOR
VARIOUS OF ACTIVITY
AND THE VENTILATION FLOOR WILL BE A
SMALL GARDEN SPACE FOR THE HOTEL USER



THE FLOORPLAN

AS MENTIONED ABOVE, THE PROJECT IS
DIVIDED INTO TWO BUILDINGS WITH MANY
CONNECTING POINTS. TO CREATE GOOD
VENTILATION FOR THE BUILDING AND NOT
OBSTRUCT THE NATURAL WIND DIRECTION
OF THE SITE TOO MUCH.

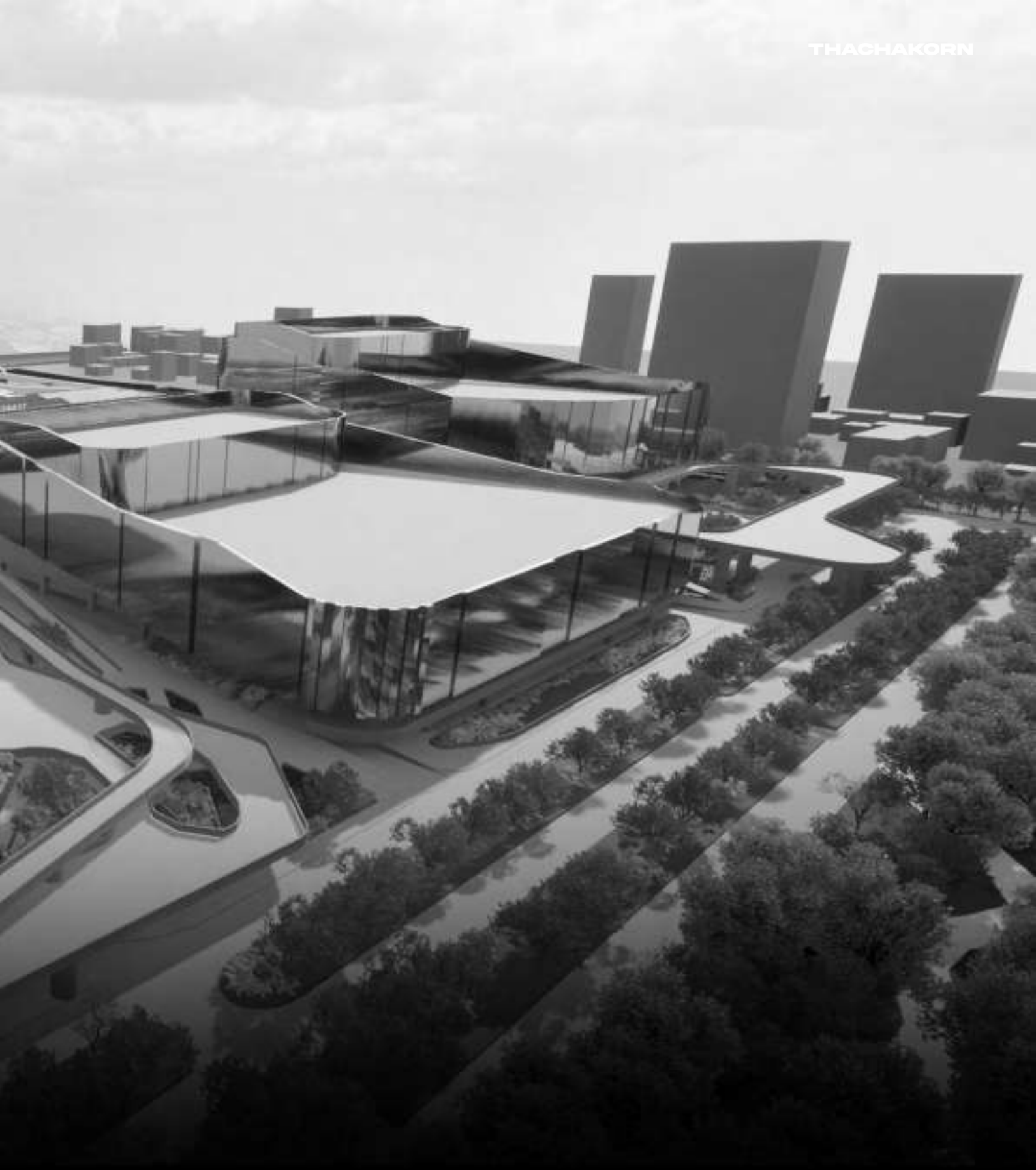




THE
SKY GARDEN
ART AND CULTURAL CENTRE

THE PROGRAM

THE PROGRAM IN THIS PROJECT IS AN ART AND CULTURAL CENTER THAT HAS FUNCTIONS. THE MAIN STRUCTURE IS A THEATER AND CONSISTS OF A GRAND THEATER CHAMBER, A HALL THEATER, AND AN EXHIBITION HALL . THE PROBLEM REQUIRES LEGAL ANALYSIS AND THE CORRECT PLACEMENT OF BUILDINGS, INCLUDING VARIOUS CIRCULATIONS. THEATER THAT MUST COMPLY WITH REGULATIONS AND INTERACT WITH THE SURROUNDING AREA OF THE PROJECT

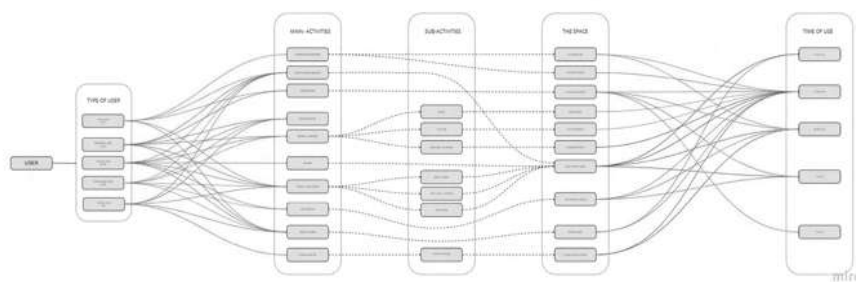


THE SITE

IN TERMS OF THE SITE IN THIS PROJECT, IT IS LOCATED AT BENJAKITTI PARK IN THE OLD PARKING AREA OF THE PROJECT. THE OVERALL CONTEXT IS THAT IT IS A LARGE PARK WITH MANY TYPES OF PLANTS AND GOOD VIEWS. BUT IF YOU ADMIRE IT AT THE GROUND LEVEL, YOU PROBABLY WON'T BE ABLE TO SEE IT ALL. THAT IS THE QUESTION THAT WAS RECEIVED WHEN ANALYZING THE SITE.

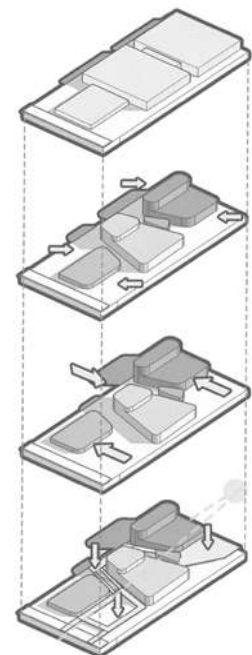
THE CONCEPT

LATER, REGARDING THE CONCEPT, AFTER ENCOUNTERING PROBLEMS WITH BOTH THE VIEW OF THE SITE TOWARDS THE OUTSIDE AREA AND THE GARDEN THAT DID NOT HAVE A SPACE TO SIT AND RELAX, DO ACTIVITIES OR GATHERING LAWNS, WE WANTED TO CREATE ONE. OUR THEATER IS MORE THAN JUST SETTING IT UP AND WAITING FOR THE SHOW TO HAPPEN. IT'S ALREADY UP, SO PEOPLE COME TO USE IT, BUT I WANT IT TO BE USED ALL THE TIME AND HAVE COMMUNITY SPACE. SPACE THAT ACCOMMODATES PEOPLE FROM THE PARK AND OUTSIDERS WHO COME TO VISIT THE GARDEN



ACTIVITY ANALYSIS

BEFORE DESIGN THE BUILDING WE CREATE A MAP THAT WE USE TO STUDY ABOUT ACTIVITY THAT CAN POSSIBLE BE IN OUR PROJECT AND USE THE CONNECTION AND SCALE TO DESIGN A SEQUENCE OF THE FUNCTION THAT WE WILL PUT IN OUR PROJECT



SELECTION ACTIVITY

SELECTED ACTIVITY THAT WE DECIDE TO PUT IT IN THE FUNCTION ZONE IN THE PROJECT

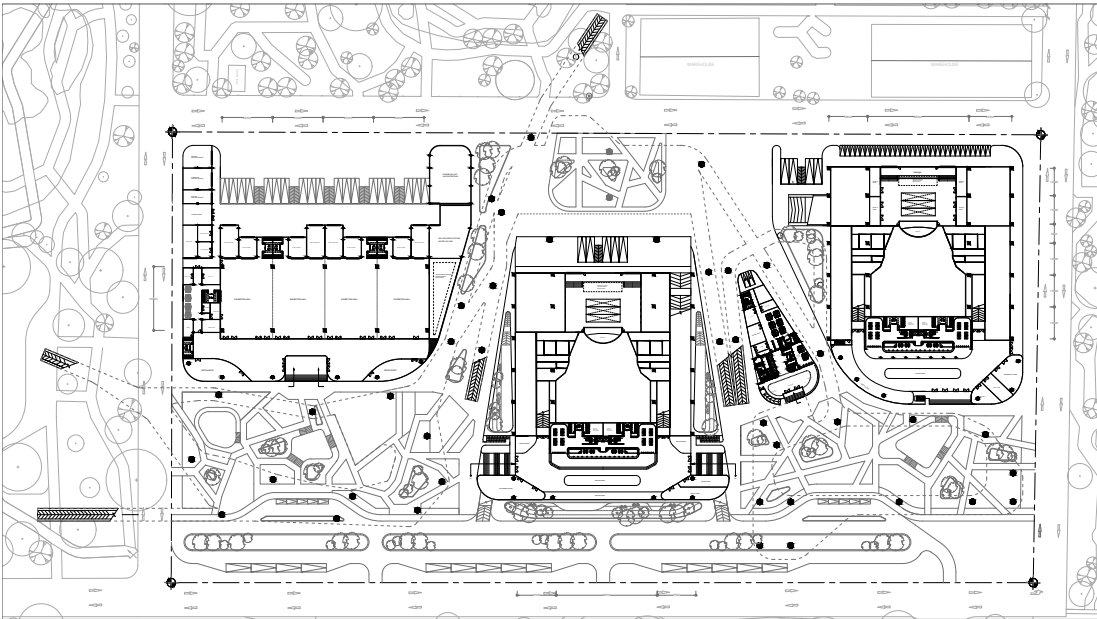
MASS DEVELOP

MASS DEVELOP WILL BE IN 4 STAGE THE MASS ARRANGE THE SHIFTING FOR THE ACCESS AND STEP FOR MOUNTAIN LIKE MASSING

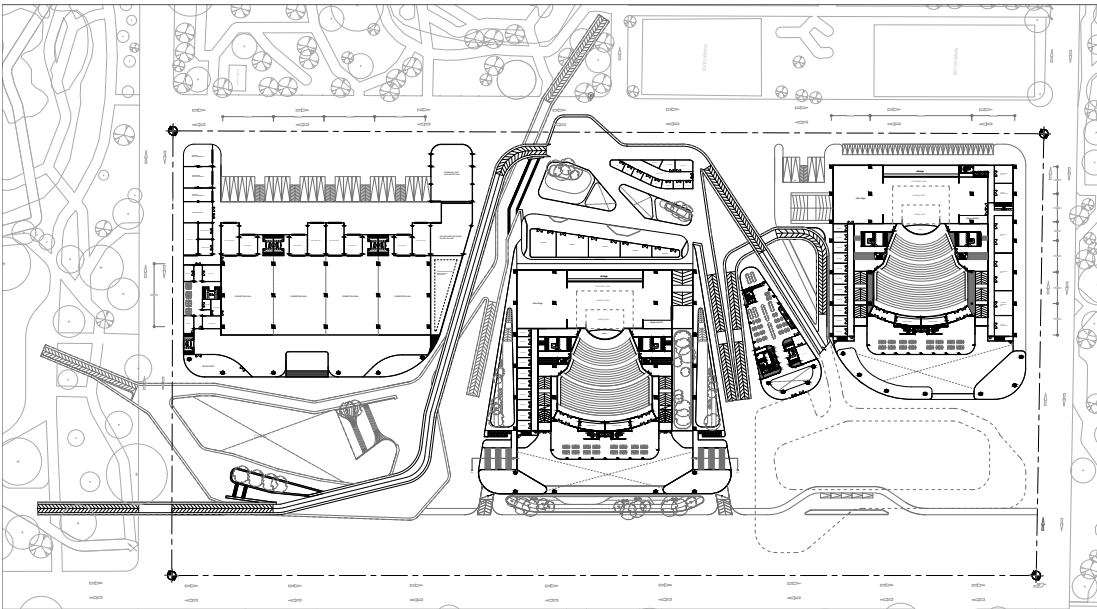
GROUND FLOOR

IN GROUND FLOOR PLAN
APPROACH TO ALL OF THE BUILDING
WILL HAVE A LARGE GREENPARK
AND COMMUNITY SPACE

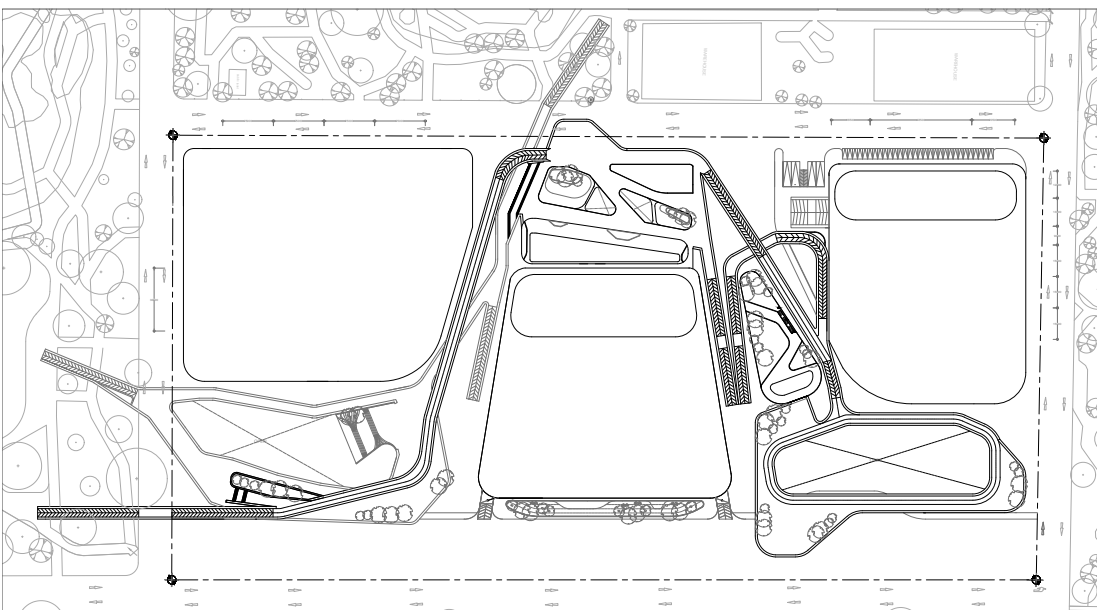
THE BUILDING SEPERATE INTO
3 PART THE EXHIBITION THE GRAND
THEATRE AND THE CHAMBER HALL
ALL BUILDING WILL CONNECT
TOGETHER
WITH A SKYGARDEN PATH
AND BETWEEN GRAND THEATRE
AND CHAMBERHALL
HAVE A CO-WORKING SPACE


SECOND FLOOR

THE SKY PARK PATH CRAWLING
AROUND THE BUILDING AND HAVE
A WALKING TRACK A BIKE ROUTE
AND GATHERING LAWN


TOPVIEW

THE TOP VIEW SHOWS
3 MASS OF BUILDING AND THE PATH
THAT CONNECT EACH MASS TO-
GETHER





FIREFLY

THE PROGRAM

PROGRAM IN THIS COMPETITION IS POPUP PUBLIC RESTROOM THAT TAKES INTO ACCOUNT SELF-SUFFICIENCY, THAT IS, THE IDENTITY OF EACH OFFICE MIXED WITH BEING A SUSTAINABLE PUBLIC TOILET, BY HAVING TO SOLVE PROBLEMS IN THE AREA WHERE WE CHOOSE TO PLACE THIS PROJECT

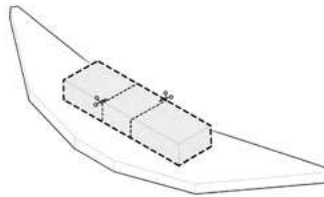


THE SITE

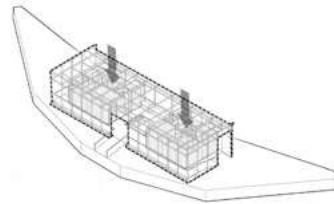
THE SITE WHERE WE THE SOLUTION TO THAT PROBLEM WAS AT URUPONG INTERSECTION BECAUSE THERE WAS VERY LITTLE LIGHT AT NIGHT. THERE IS ALSO A LACK OF PUBLIC RESTROOMS, WHICH ARE IMPORTANT FOR COMMUTERS AT NIGHT. THEREFORE, I WOULD LIKE TO CHOOSE TO SOLVE THE PROBLEM AT THIS POINT

THE CONCEPT

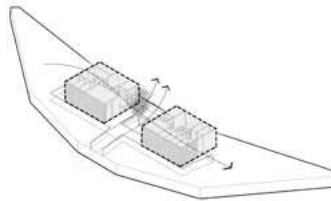
THE CONCEPT OF OUR PRT DESIGN TEAM IS THE FIREFLY. WE WANT OUR PROJECT TO BE LIKE FIREFLIES THAT ARE SCATTERED IN EVERY AREA. WANT BRIGHT LIGHT AND A POPUP THAT CAN BE EASILY DISASSEMBLED, USE MATERIALS THAT DON'T WASTE ENERGY AND HAVE A UNIVERSAL DESIGN.



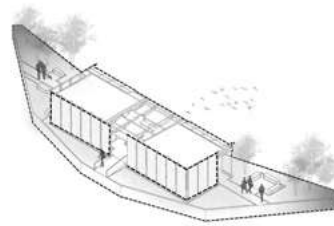
Divide the proportions of the pop-up into 3 parts. According to the appropriateness of use



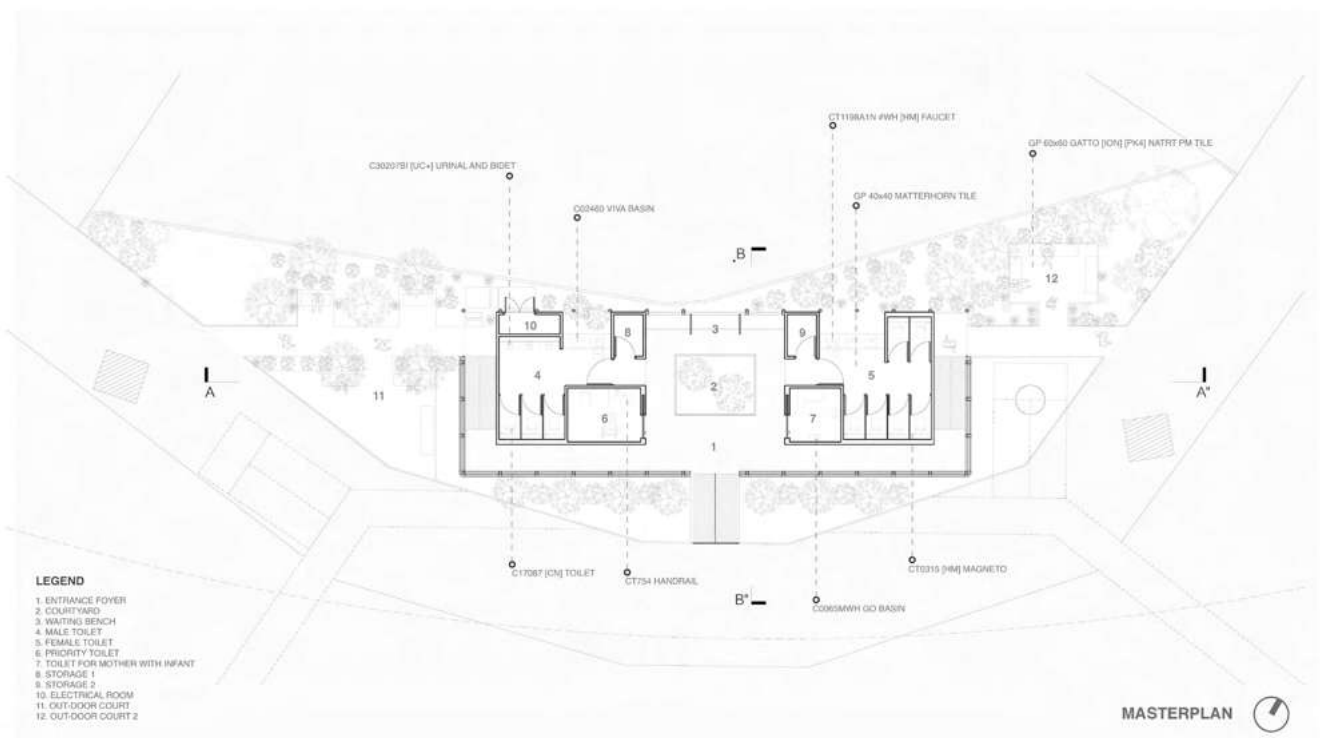
Create the main structure of the work by using the scaffolding. Separate both areas into male and female bathrooms.

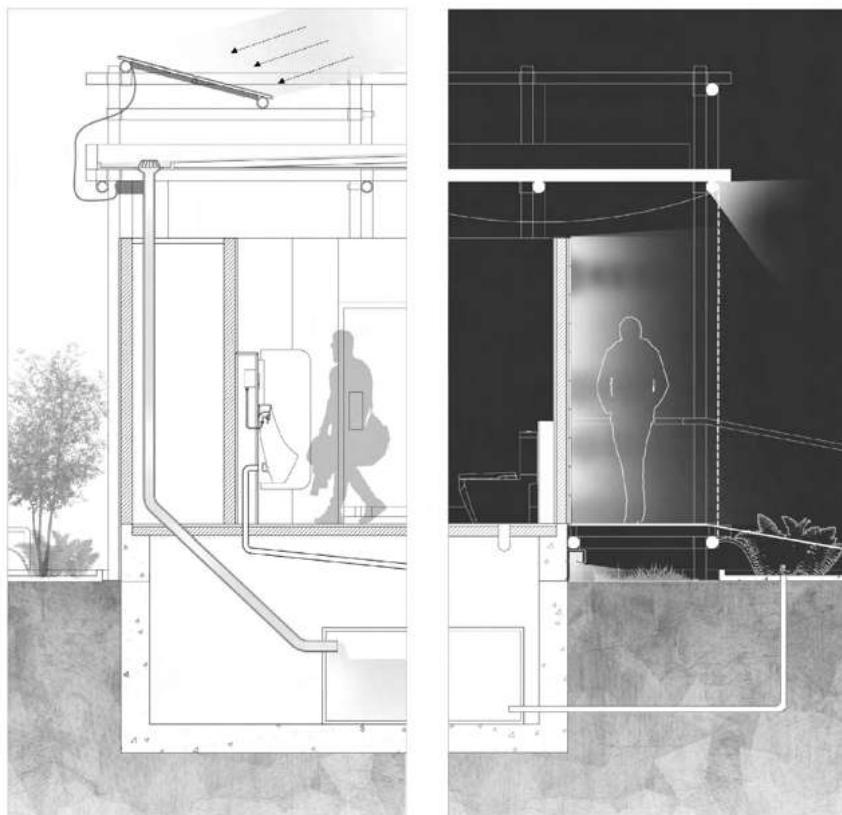
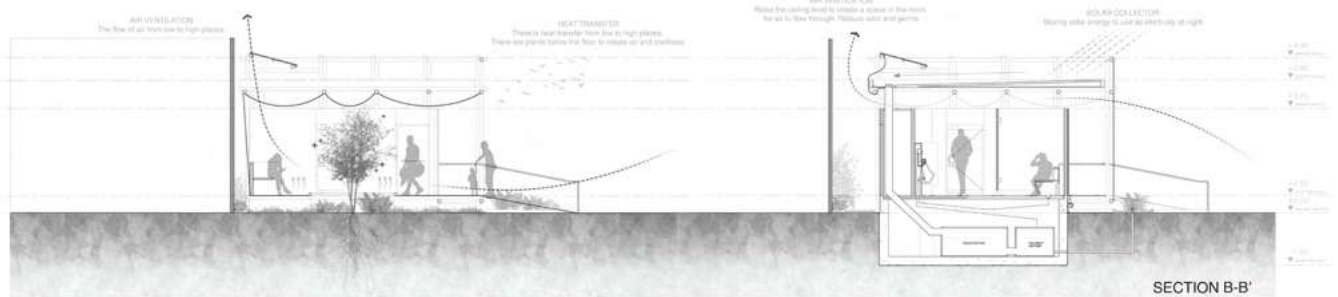
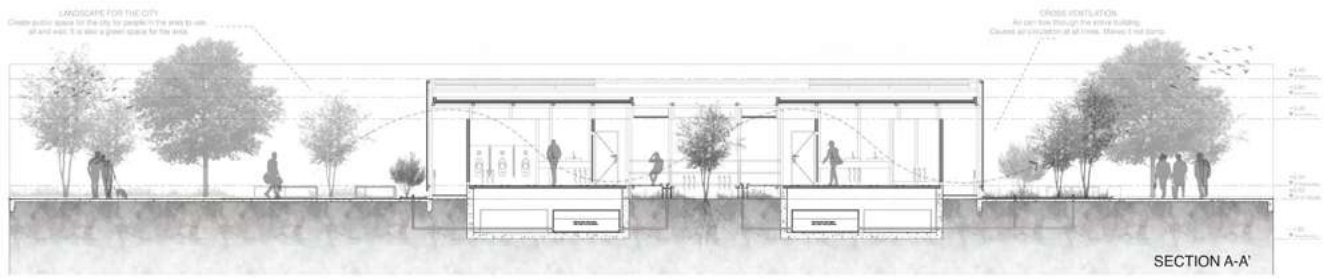


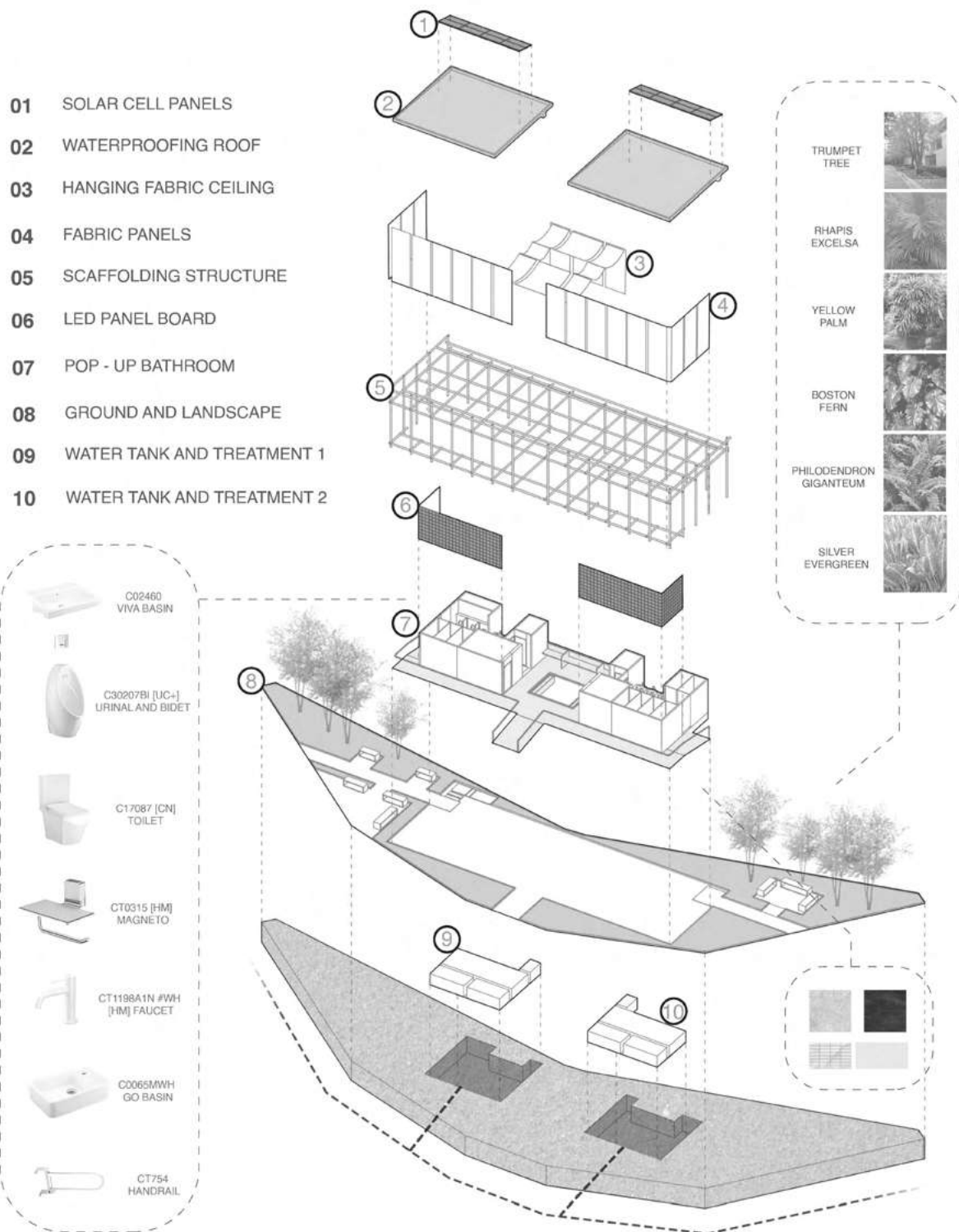
Create air flow through the bathroom space. The air will flow through the front court and through the bathrooms on both sides.

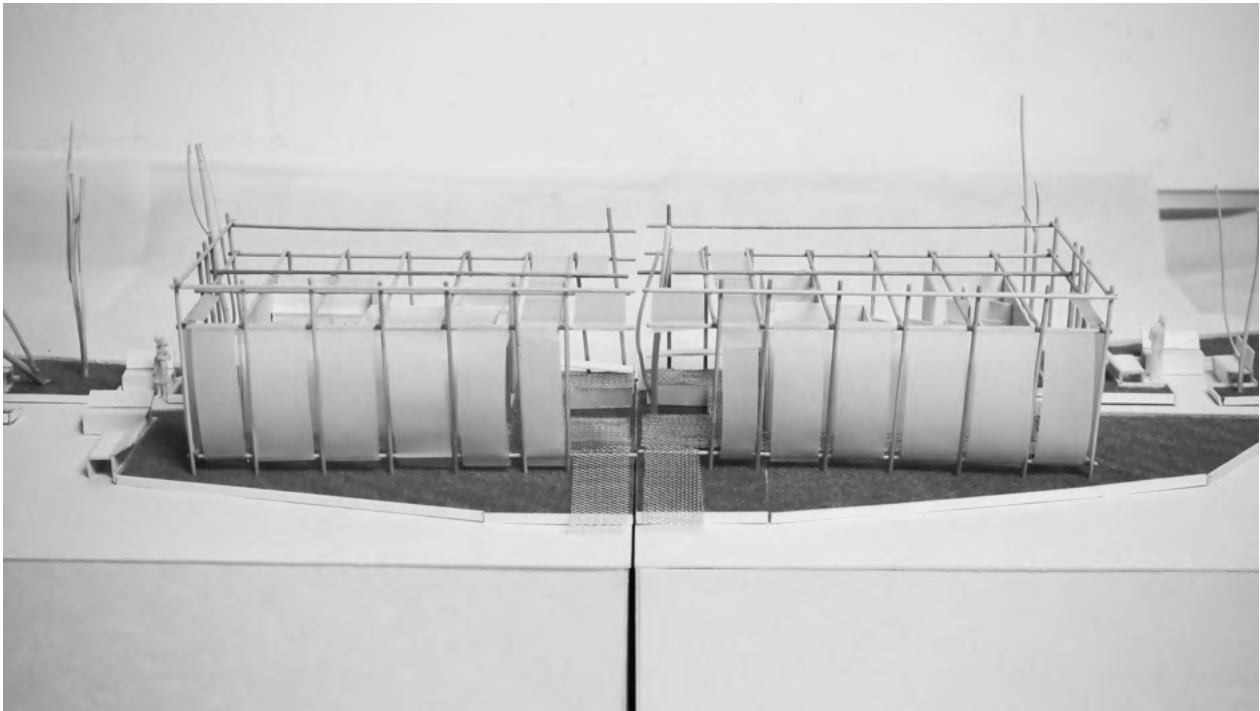


At night, the pop-up becomes a source of light for the area.









PHYSICAL MODEL THAT CAN SEPARATE TO THE SECTION MODEL



FINAL PRESENTATION DAY OF THE COTTO COMPETITION



บ้าน ใต้ ร่ม شان

THE PROGRAM

THE PROGRAM OF THIS CONTEST IS SUSTAINABILITY INNOVATION ECO, WHICH OUR TEAM MUST USE THESE THREE KEYWORDS USED IN DESIGNING ENERGY-SAVING HOMES THAT TAKE INTO ACCOUNT THE ENVIRONMENT AND WEATHER CONDITIONS AND MUST BE ABLE TO ACTUALLY BE USED. INCLUDING USERS WHO HAVE THE ACTIVITY OF GROWING VEGETABLES TOGETHER, THUS CREATING ADDITIONAL FUNCTIONAL AREAS.



THE SITE

THE SITE OF THIS PROJECT IS LOCATED IN THE PHUTTHAMONTHON SAI 2 AREA. THE SITE IS AT THE END OF AN ALLEY WITH A SMALL CANAL NEXT TO THE SITE. THE SURROUNDING CONTEXT IS A RIVER BASIN AND THERE ARE COMMUNITIES NEARBY WHICH ARE VERY NATURAL, INCLUDING A GROUP OF THAI HOUSES. ORIGINALLY ATTACHED TO A NUMBER OF SMALL CANALS, THE IDEA WAS TO DESIGN THE HOUSE TO BE IN HARMONY WITH THE CONTEXT

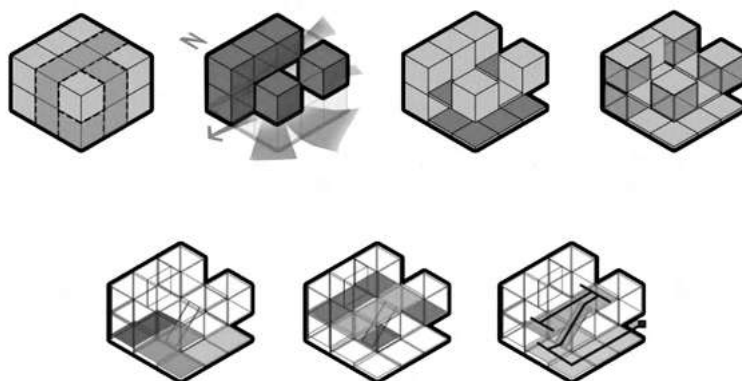
THE CONCEPT

THE CONCEPT OF THE HOUSE IS AN APPLICATION OF ELEMENTS OF THAI HOUSES IN THE MATTER OF THE OPEN BASEMENT. OPEN AIR CREATES VENTILATION IT'S GOOD AND THE UPPER FLOOR HAS A TERRACE AREA AND A FUNCTION THAT DOESN'T BLOCK THE WIND DIRECTION AND USES TRADITIONAL THAI ELEMENTS TO CREATE BETTER RELATIONSHIPS AMONG FAMILY MEMBERS.



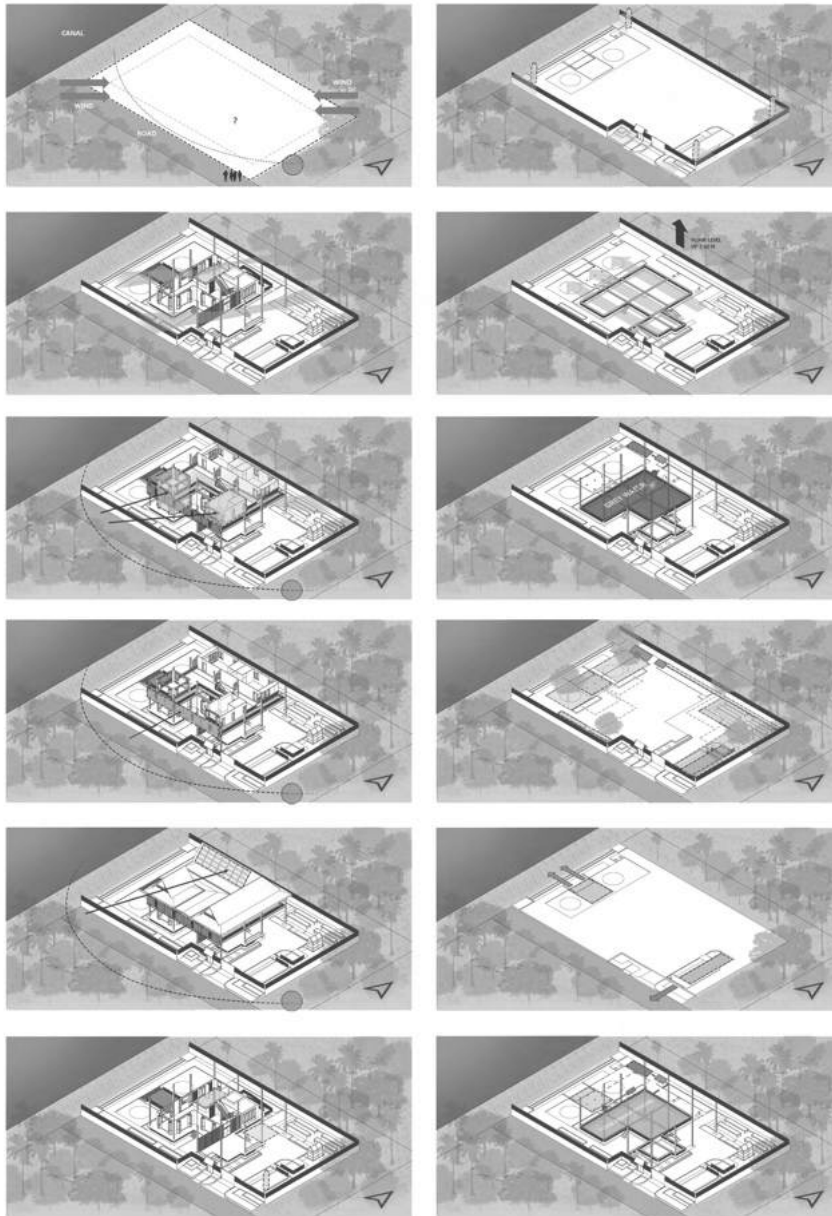
USER ANALYSIS

BEFORE DESIGN
WE DECIDE TO ANALYSIS THE USER
IN THIS PROJECT WILL HAVE 5 USER
2 PARENTS AND 3 CHILD
AND WE STUDY ABOUT TIMEZONE

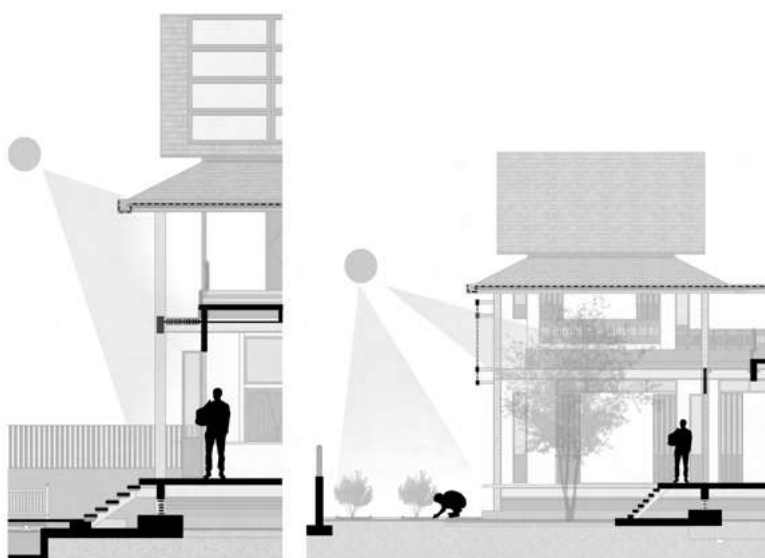


MASS DEVELOP PROCESS

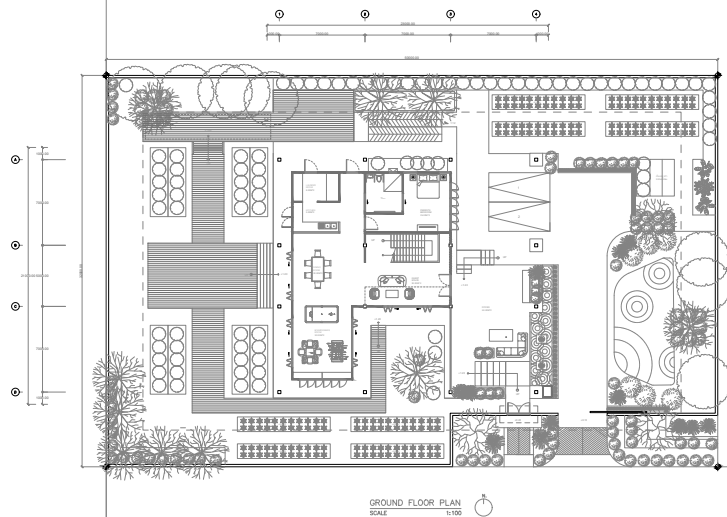
CREATE 3X2 BLOCK WITH A GRID
AND SUBTRACT A MASS FOR VENTILATION
ABOUT SEQUENCE THAT WE USE IN THIS HOUSE
WILL COME FROM A SEQUENCE FORM
THAI TRADITIONAL HOUSE


DESIGN PROCESS

THROUGHOUT THE DESIGN, CONSIDERATION WAS GIVEN TO SOLVING LOCATION PROBLEMS AND DEALING WITH WEATHER CONDITIONS. USING TOOLS FROM VARIOUS SUSTAINABLE SYSTEMS, INCLUDING GRAYWATER SYSTEMS, SOLAR CELL SYSTEMS, AND SECURITY SYSTEMS TO ENSURE USER SAFETY.

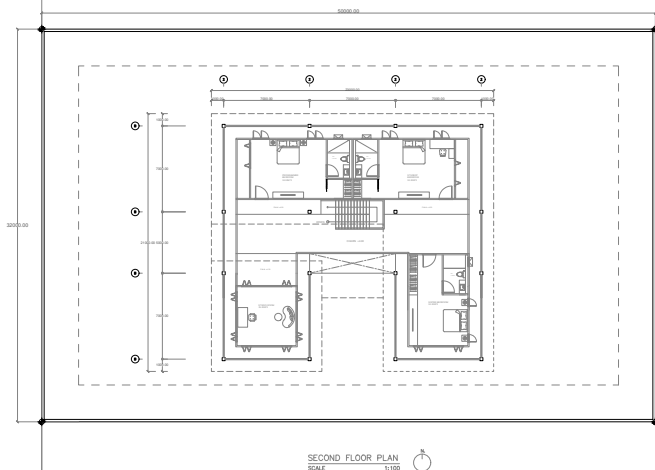

FACADE DESIGN

FACADE THAT WE PUT IN THE SOUTH WILL FILTERED THE SUNPATH THAT WILL CONTROL THE CLIMATE OF THE HOUSE THE PATTERN COME FROM THAI TRADITION WALL DETAIL CALLED FAH PAKON



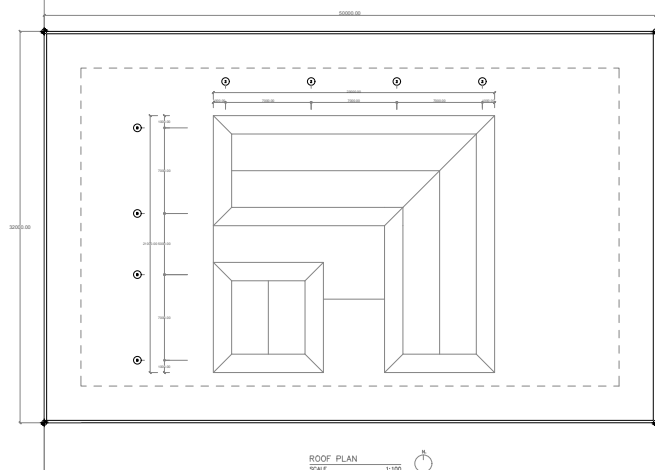
FIRST FLOOR PLAN

IN FIRSTFLOOR PLAN
APPROACH WILL HAVE OUTDOOR LIVING SPACE
FOR GUEST AND IN THE MAIN CENTER OF THE HOUSE
WILL BE A MORE PRIVATE LIVING ROOM
THAT CAN TAKE A VIEW
FROM COURTYARD THAT CONNECT A FUNCTION
IN THE FIRSTFLOOR
TOGETHER
IN WATERFRONT WILL BE A FARM PLOT
AND FAMILY SPACE
THAT ENJOY A SUNSET VIEW



SECOND FLOOR PLAN

SECOND FLOOR
WILL HAVE A CHARN SPACE THAT CONNECT
ALL OF THE ROOM TOGETHER
AND BE A FAMILY SPACE FOR STORY GATHERING



ROOF VIEW

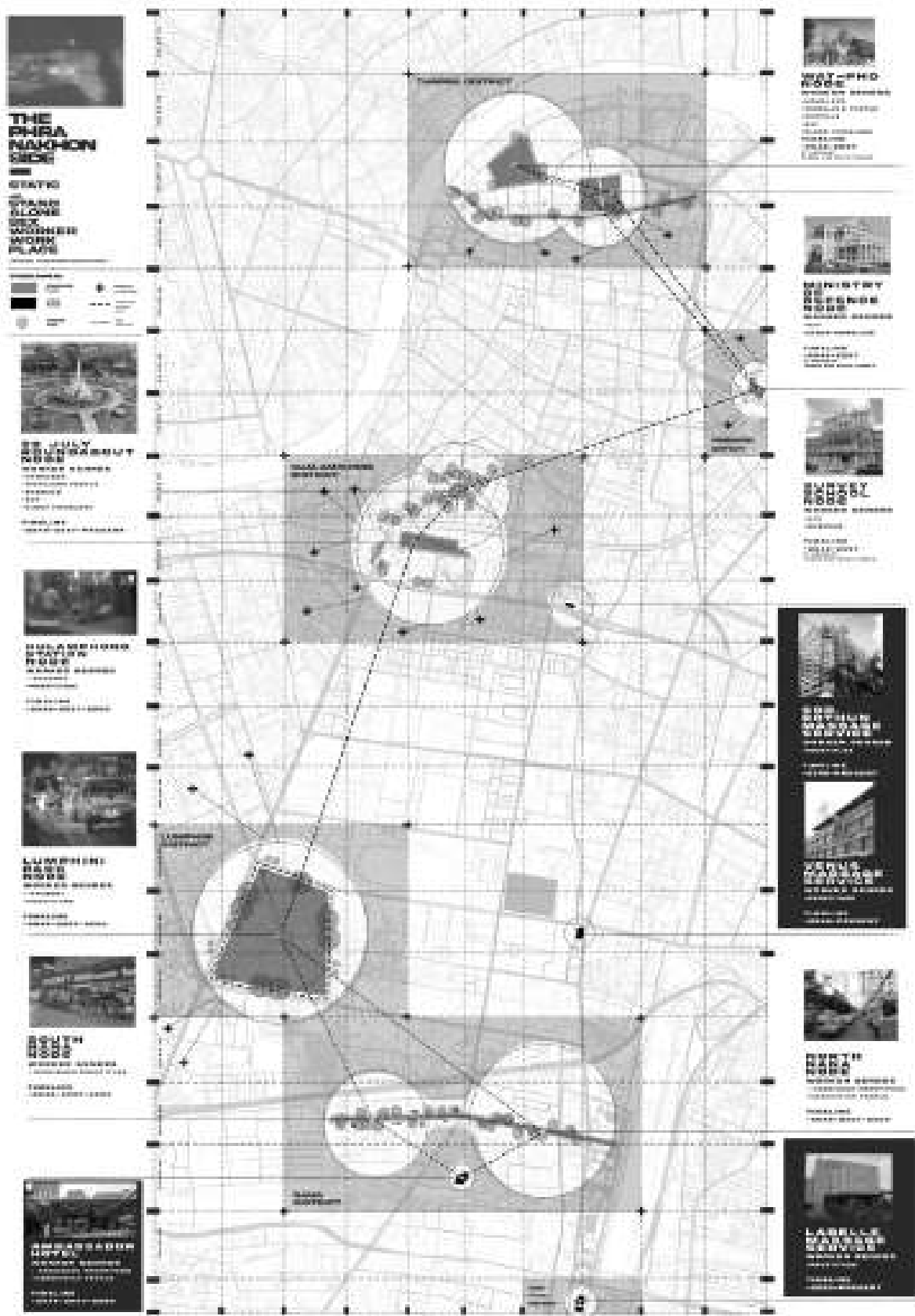
ROOF VIEW SHOWS A BUILDING THAT HAVE A MAIN
BUILDING AND SMALL ONES THAT CALL A WORKING
ROOM



NOVA EXPO FINAL STAGE

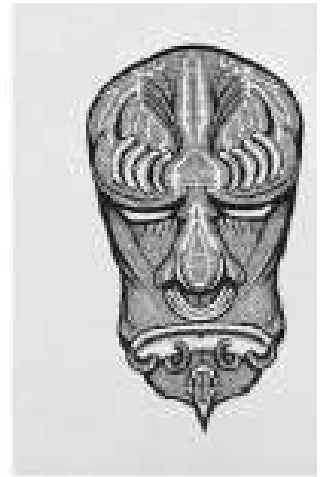
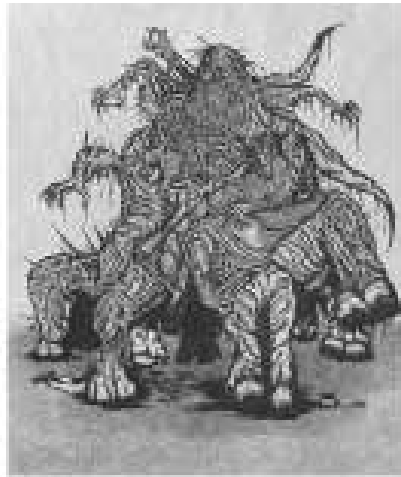
THE DAY THAT I PRESENTED THE FINAL DESIGN
TO THE COMMITTEE

@ NOVA BUILD DESIGN EXPO BITECBANGNA



THE PHRA NAKHON SIDE

THIS PROJECT IS ONE OF THE WORKS LEARNED FROM THE DESIGN THINKING SUBJECT AND THE PROBLEM WAS THAT THERE MUST BE AN INTERPRETATION OR ANALYSIS THROUGH THE WORD LUST, WHICH CAN BE EXPRESSED THROUGH ANY MEDIUM. THEREFORE, I TOOK THE INFORMATION THAT I WANTED TO STUDY AND COMBINED IT WITH THE KEYWORDS, WHICH IS AN ANALYSIS OF SERVICE SALES AREAS IN PHRA NAKHON AREA. BOTH STATIONARY AND MOBILE MODELS AND THE DISTRIBUTION OF SERVICE PROVIDERS IN THE FORM OF NODE CONSTRUCTION INCLUDING THE DURATION OF THE NODE'S EXISTENCE, POPULATION SCALE, AND USERS WHO USE THE SERVICE. CUSTOMER GROUPS, AGE RANGES, AND OTHER SECRET CODES FOR DOING THIS PROFESSION THROUGH THIS DATA ANALYSIS DIAGRAM.

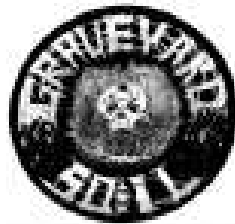


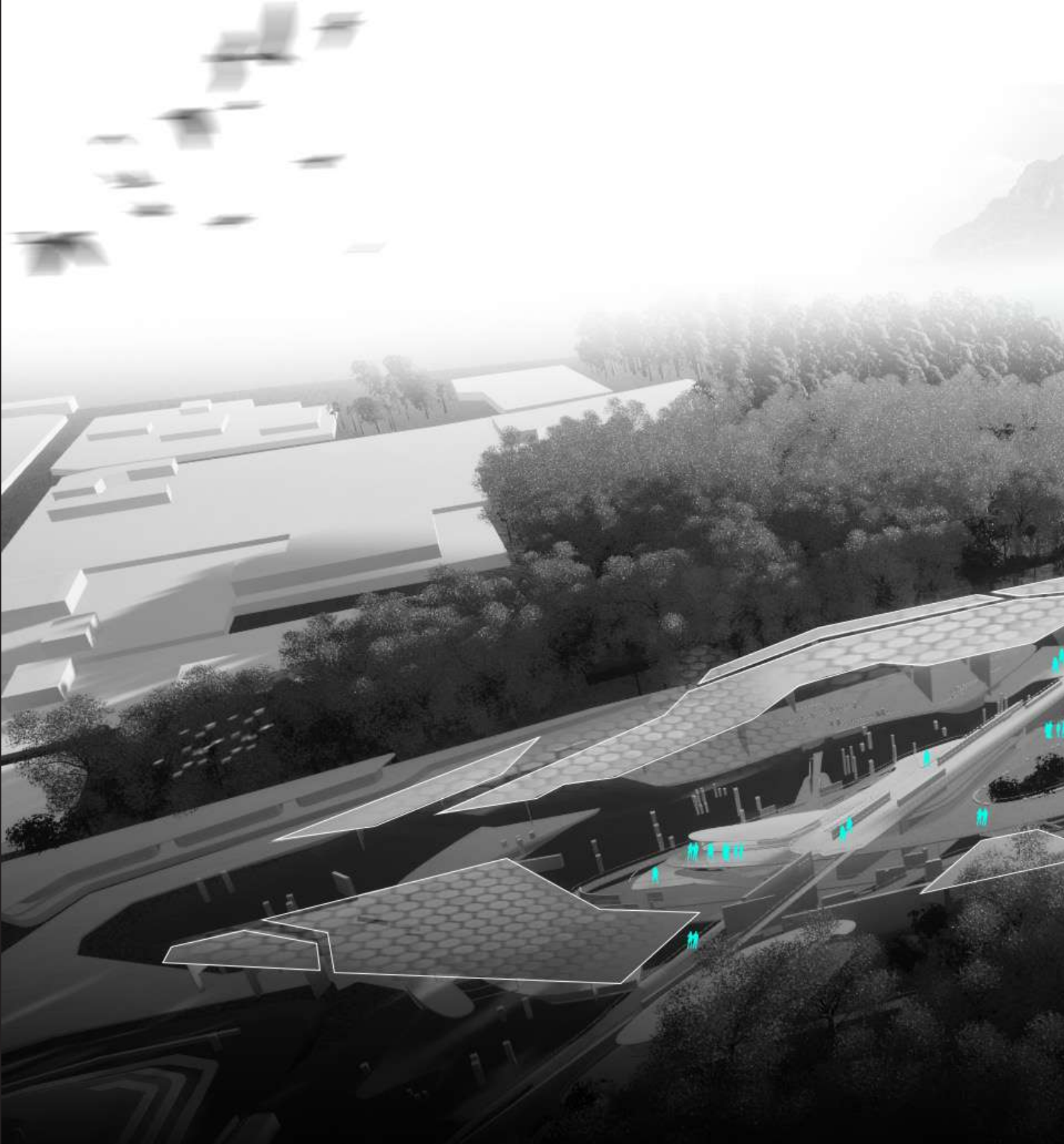
ZALEMSSTUDIO

I STARTED THIS STUDIO AT THE BEGINNING OF YEAR 3 AFTER CONSTANTLY EXPERIMENTING WITH SKETCHING AND CREATING WORK AND DISCOVERING MY OWN LINES. THEREFORE, I BEGAN TO CREATE WORK FROM THAT TIME, WITH THE WORK BEING IN THE STYLE OF BLACKWORK, DEATHMETAL, HPLOVECRAFT, AND GORE, WHICH WAS MAINLY INFLUENCED BY PERSONAL PREFERENCES. AND THERE WAS A BOOTH TO SELL PRODUCTS AT THE AJAHN SILPA BHIRASRI FAIR BOTH YEARS AND OTHER EVENTS. WE RECEIVED A SATISFACTORY RESPONSE AND WE SOLD POSTCARDS, PAINTINGS AND SCENTED CANDLES WITH UNIQUE SCENTS. ACCORDING TO THE SHOP'S HORROR STYLE



CURSED
IDOLS



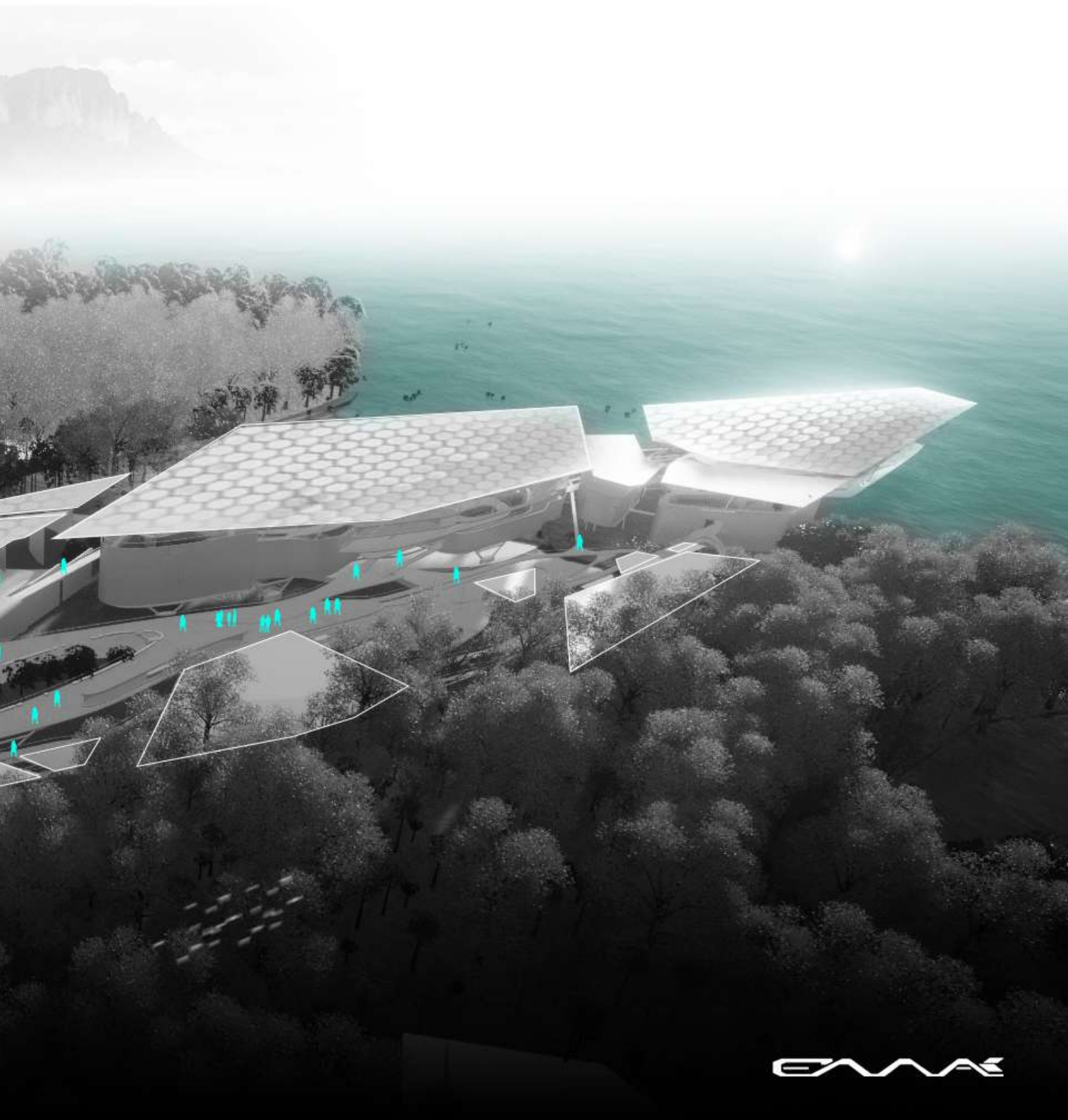


ENDANGERED MARINE LIFE AWARENESS CENTER

ENDANGERED
MARINE LIFE
AWARENESS
CENTER

THESIS QUESTION

THIS PROJECT ORIGINATED FROM THE AWARENESS OF ISSUES RELATED TO THE EXPLOITATION OF MARINE ANIMALS, WHETHER THROUGH FISHING OR OTHER ACTIVITIES THAT HAVE LED TO A SIGNIFICANT DECLINE IN MARINE POPULATIONS. PARTICULARLY, ENDANGERED MARINE SPECIES ARE OFTEN UNINTENTIONALLY CAUGHT IN FISHING GEAR, PLACING THEM AT RISK OF EXTINCTION AT THE SAME TIME, EFFORTS IN MARINE CONSERVATION AND REHABILITATION—SUCH AS THE TREATMENT AND NURTURING OF AQUATIC ANIMALS—REMAIN LIMITED, RESULTING IN ECOLOGICAL IMBALANCE IN MARINE ENVIRONMENTS. THESE CIRCUMSTANCES RAISE THE QUESTION OF HOW ARCHITECTURE CAN PLAY A ROLE IN ADDRESSING AND TRANSFORMING SUCH PROBLEMS.



THESIS PROCESS

THE PROCESS BEGAN BY IDENTIFYING KEY ISSUES AND ROOT CAUSES, FOLLOWED BY EXPLORING POTENTIAL CHANGES AND ARCHITECTURAL STRATEGIES THAT COULD BE INTEGRATED INTO VARIOUS STAGES OF THE SOLUTION.

SUBSEQUENTLY, THE PROCESS CONTINUED WITH A STUDY OF HUMAN PERCEPTION SYSTEMS AND THE VARIOUS FACTORS INFLUENCING ENVIRONMENTAL AWARENESS. THIS INCLUDED AN EXPLORATION OF SENSORY ORGANS AND THE CLASSIFICATION OF THEIR FUNCTIONS, BASED ON DIFFERENT THEORIES OF PERCEPTION.

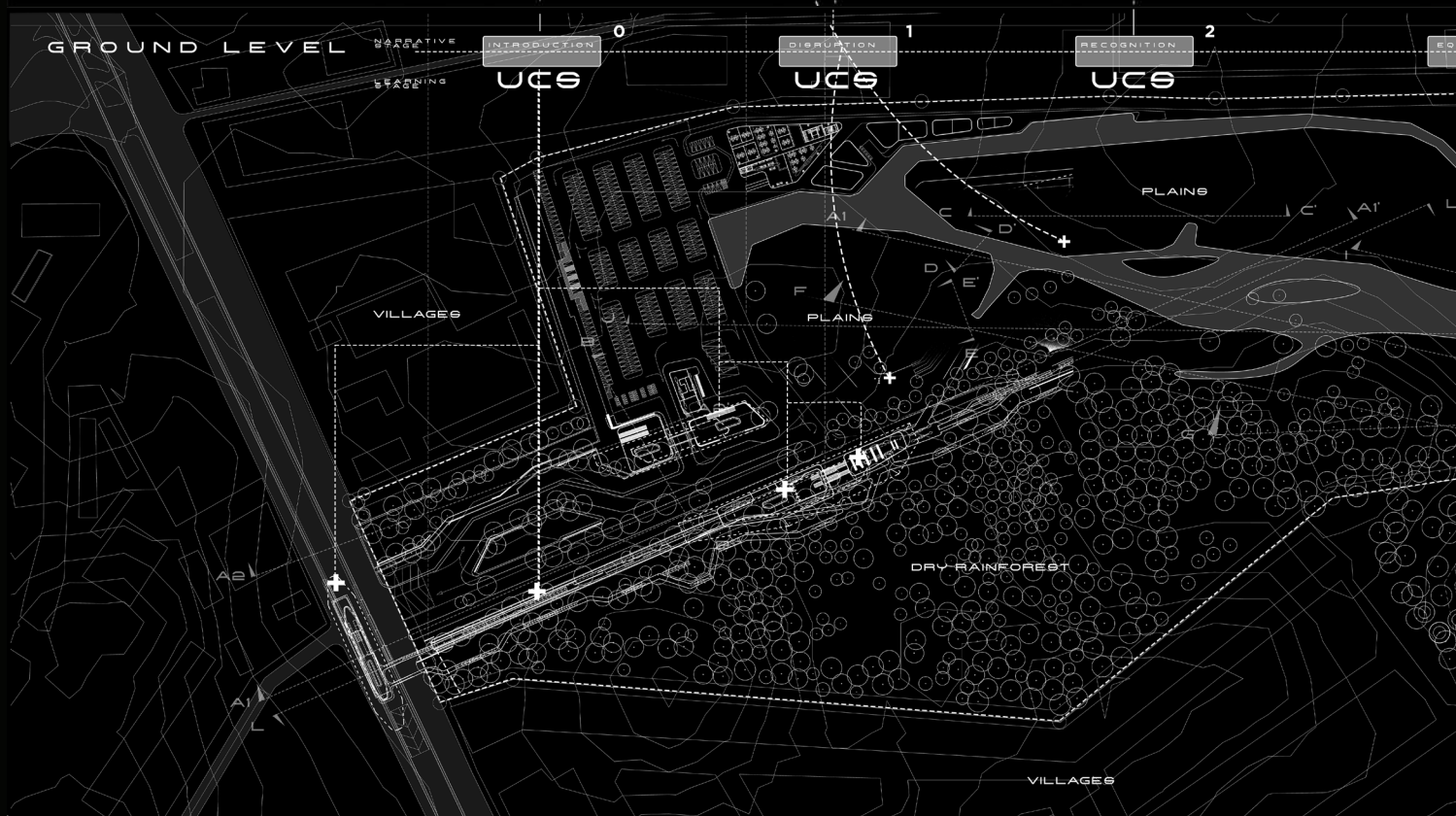
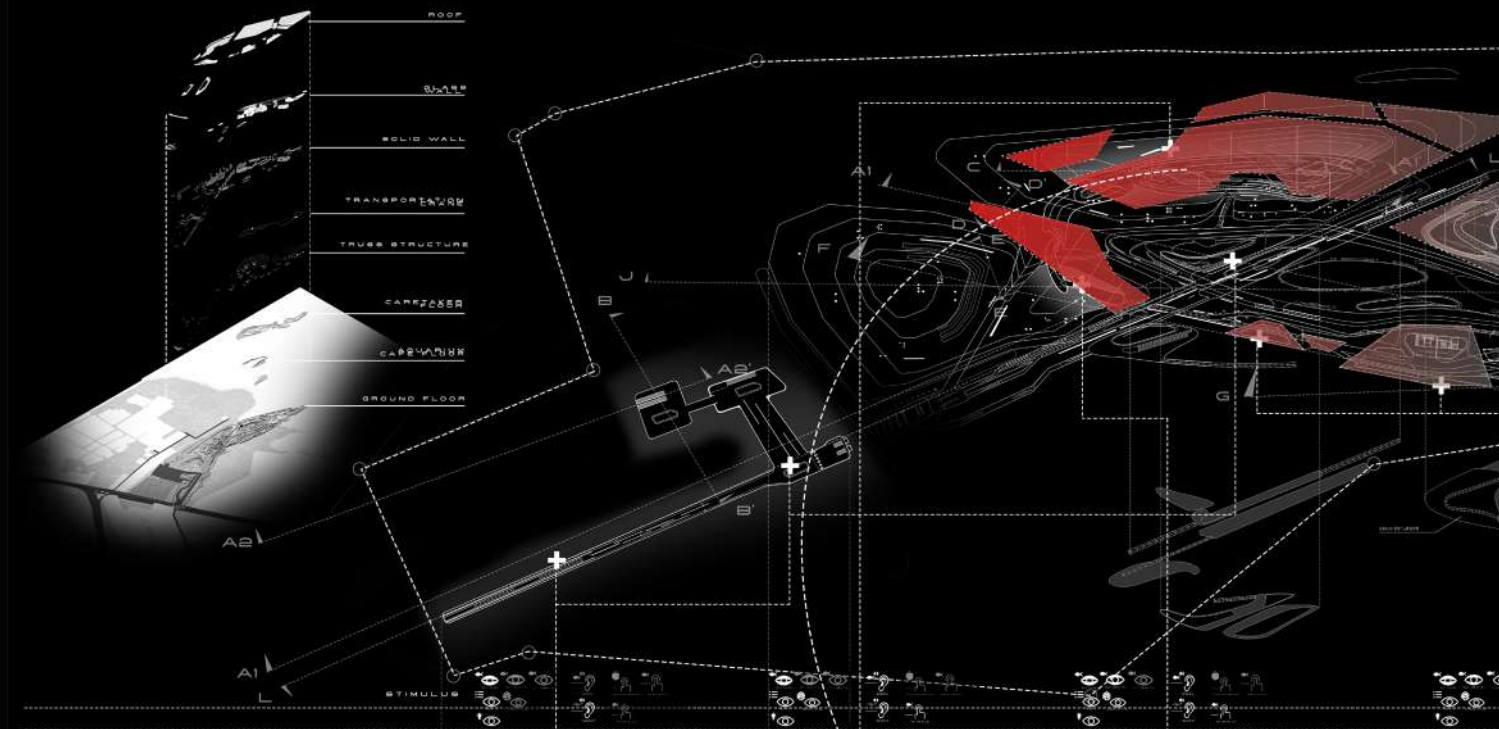
NEXT STEP ANALYSIS WAS CARRIED OUT ON ARCHITECTURAL PHYSICAL ELEMENTS THAT INFLUENCE HUMAN LEARNING SYSTEMS IN VARIOUS FORMS—SUCH AS LIGHT, SOUND, AND PHYSICAL OBJECTS.

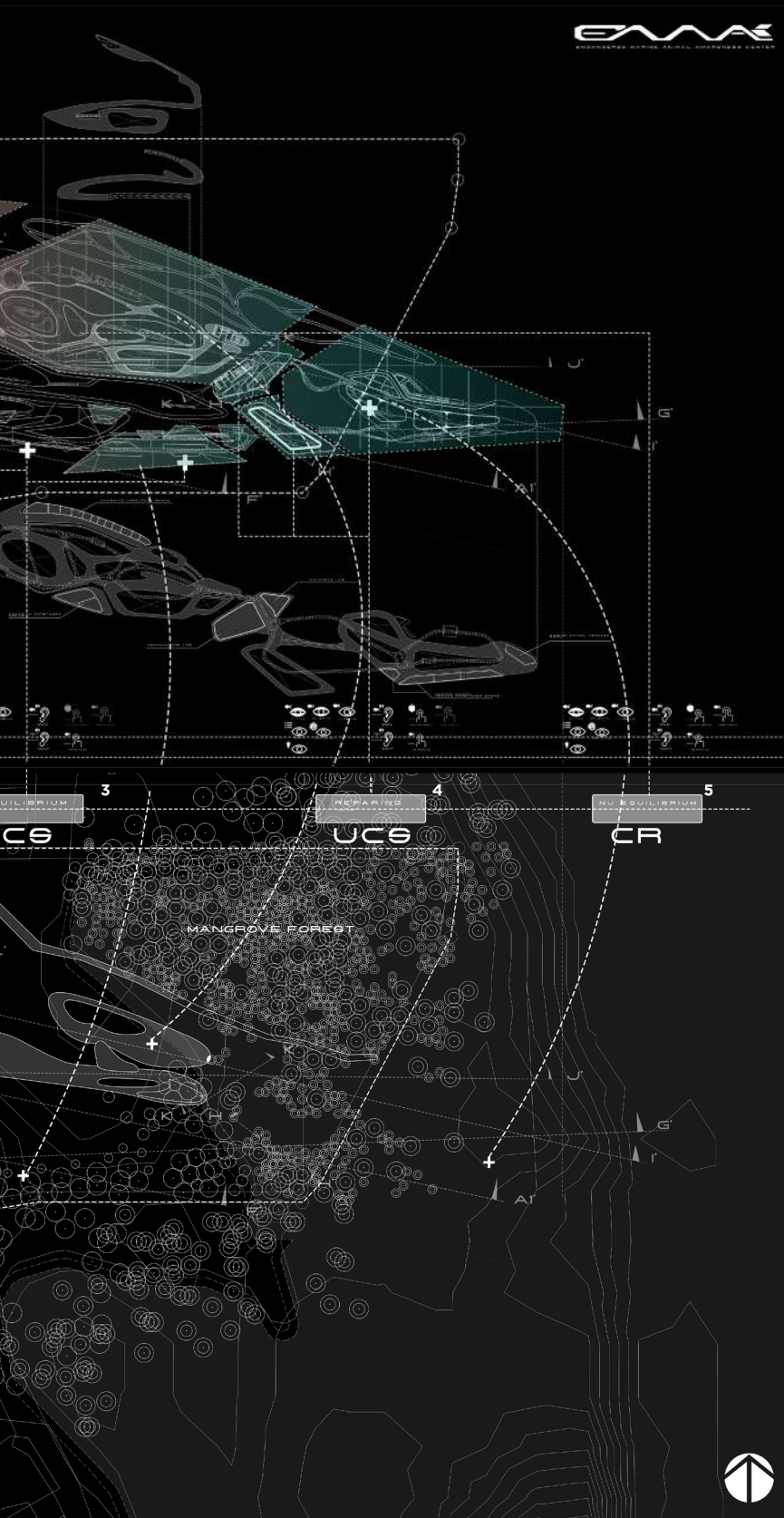
THESE ELEMENTS WERE THEN SYNTHESIZED AND INTERPRETED COLLECTIVELY IN THE FINAL STAGE OF THE STUDY. THE NEXT STEP INVOLVED AN ANALYSIS OF THE FUNCTIONAL CONDITIONS OF THREE KEY PROGRAMS RELATED TO THE PROJECT: AN AQUARIUM, A MARINE FISHERIES RESEARCH CENTER, AND A ENDANGERED MARINE ANIMAL RESCUE CENTER. THIS STUDY AIMED TO IDENTIFY SPECIFIC REQUIREMENTS AND GAPS

WITHIN EACH PROGRAM WHERE ARCHITECTURAL DESIGN INTERVENTIONS COULD BE INTRODUCED.

SITEPLAN / SEQUENCE PLAN
1ST LEVEL - 2ST LEVEL

EXPLODED LAYER





ZONING

THE PROJECT CONSISTS OF SIX DISTINCT SPATIAL ZONES: 1. INTRODUCTION ZONE / PRE-EQUILIBRIUM ZONE, 2. DISRUPTION ZONE, 3. RECOGNITION ZONE, 4. MID-EQUILIBRIUM ZONE, 5. REPAIRING ZONE, AND 6. NEW EQUILIBRIUM ZONE. THESE ZONES ARE CONCEPTUALLY ADAPTED FROM TODOROV'S (1971) NARRATIVE THEORY OF EQUILIBRIUM. THE ORIGINAL STRUCTURE WAS DECONSTRUCTED AND MODIFIED TO SUIT THE CONTEXT OF THE PROJECT, WITH ADDITIONAL CONDITIONS INCORPORATED TO PRODUCE A UNIQUE OUTCOME DURING THE DESIGN EXPERIMENTATION PHASE. EACH ZONE FEATURES A DIFFERENT ARCHITECTURAL LANGUAGE IN ITS PHYSICAL FORM, YET CERTAIN SHARED DESIGN ELEMENTS—SUCH AS SHELL-LIKE BUILDING ENVELOPES—CREATE A VISUAL CONTINUITY THROUGHOUT. THE CONCEPT OF DISRUPTION IS EXPRESSED ARCHITECTURALLY THROUGH THE FRAGMENTATION OF BUILDING FORMS, SERVING AS A NARRATIVE DEVICE THAT COMMUNICATES THE MESSAGE EMBEDDED WITHIN THE SPATIAL JOURNEY.

ZONING ENVIRONMENT CONDITION

IN POSITIONING THE VARIOUS ZONES OF THE PROJECT WITHIN THE SITE, CAREFUL CONSIDERATION IS GIVEN TO THE SPECIFIC CONDITIONS OF EACH AREA, AS THEY DEMAND DIFFERENT LEVELS OF VISUAL OR PHYSICAL INTERACTION WITH THE SURROUNDING ENVIRONMENT. THE SITE ENCOMPASSES FIVE DISTINCT ENVIRONMENTAL TYPES:

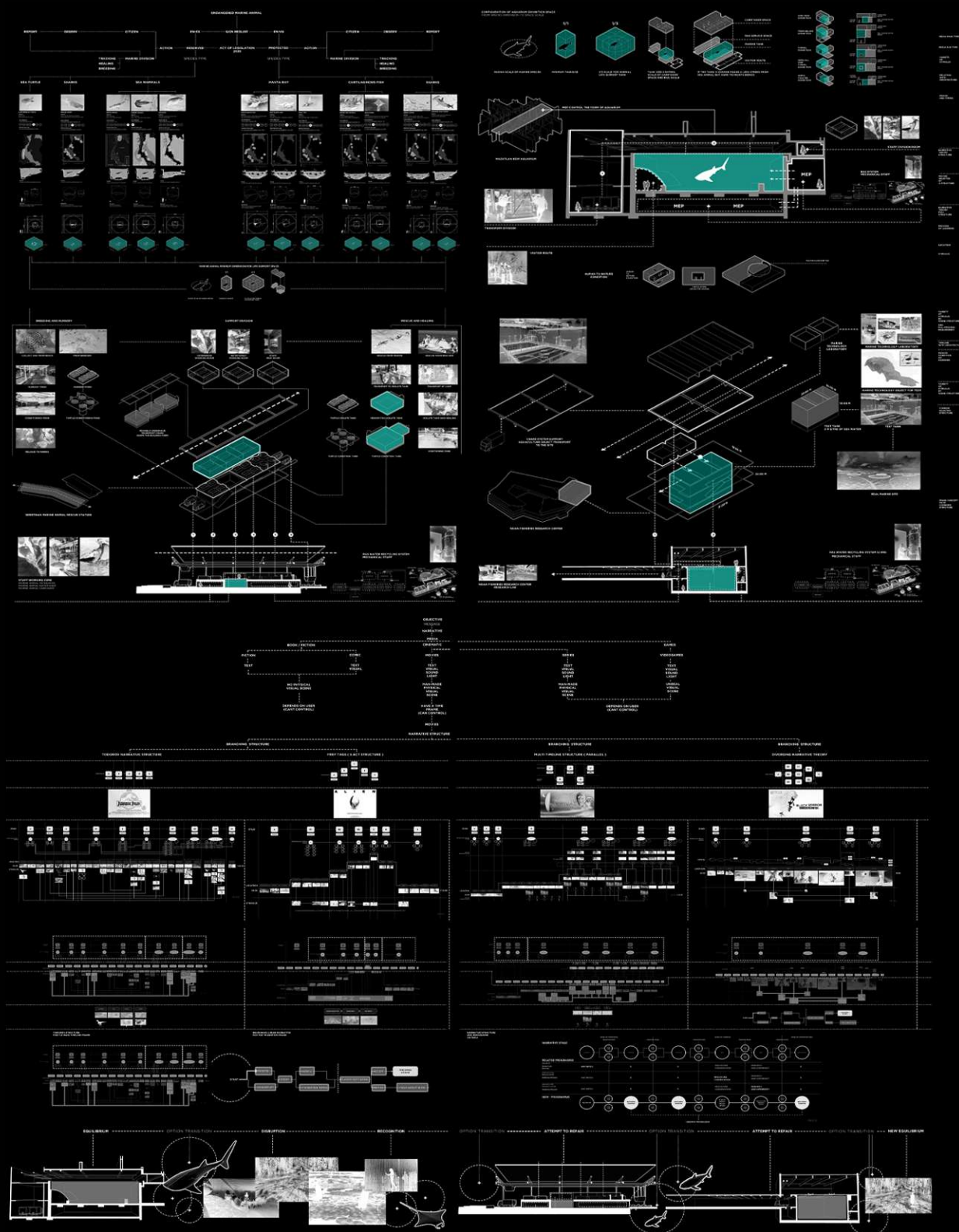
1. DRY EVERGREEN FOREST
2. MANGROVE FOREST
3. COASTAL SHORELINE
4. OPEN LAND
5. LAND COVERED WITH GROUND VEGETATION

EACH TYPE OF ENVIRONMENT IMPOSES UNIQUE DESIGN CONSTRAINTS AND INFLUENCES THE PHYSICAL FORM OF THE PROJECT'S ZONING. FOR EXAMPLE, THE MANGROVE FOREST REQUIRES THAT STRUCTURES BE CAREFULLY INTEGRATED AND ADAPTABLE TO THE EXISTING NATURAL CONTEXT. CERTAIN ECOLOGICAL CONDITIONS MUST BE PRESERVED, SUCH AS THE ROOTS OF MANGROVE TREES AND THE CANOPY THAT SERVES AS SHELTER FOR VARIOUS BIRD SPECIES. THESE FACTORS DEMAND THAT THE BUILT ENVIRONMENT COEXIST HARMONIOUSLY WITH THE ORIGINAL ECOSYSTEM, ALLOWING NATIVE LIFE FORMS TO CONTINUE THRIVING AS BEFORE.



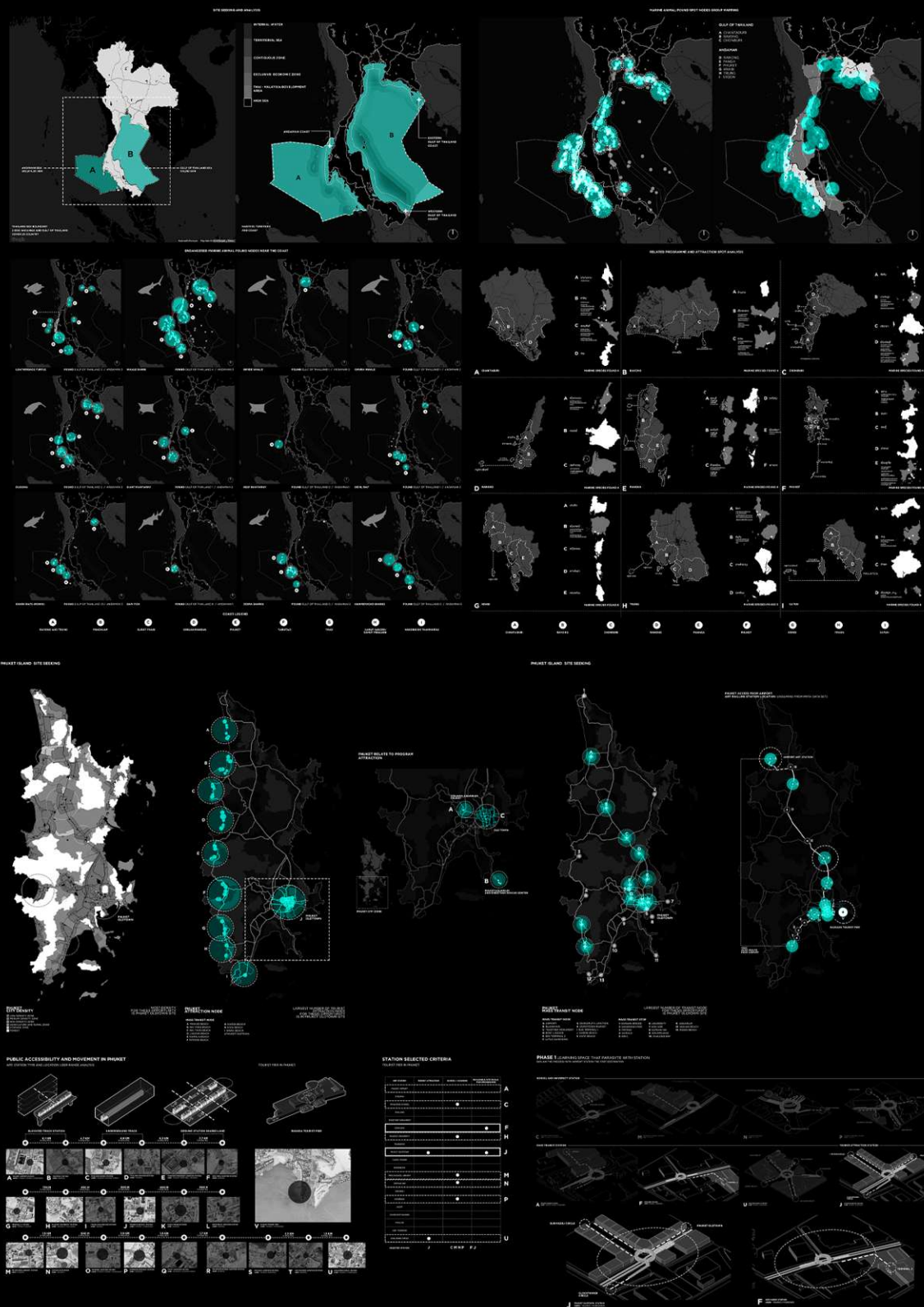
SCHEMATIC DEVELOPMENT PROCESS

THIS PART SHOWS ISOMETRIC AND FORM CONFIGURATION OF THE ZONING IN THE DEVELOPMENT PROCESS



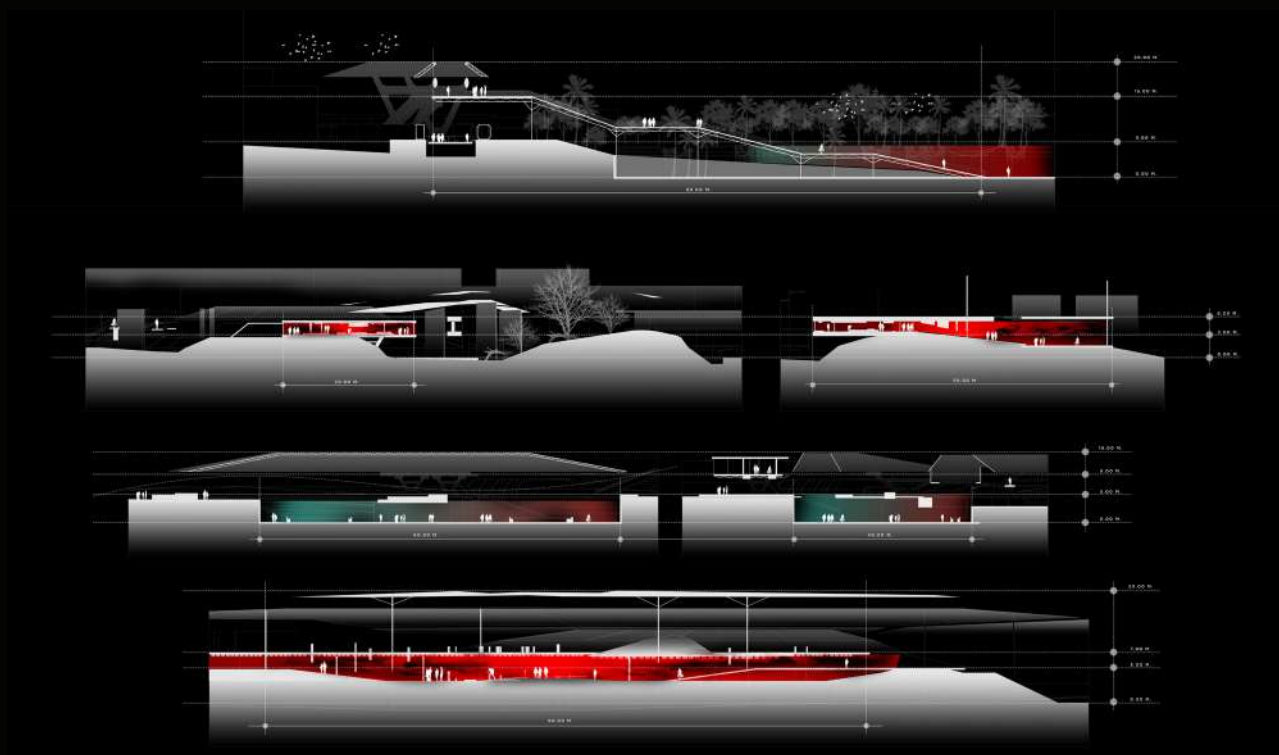
SPECIES AND PROGRAM ANALYSIS

DIAGRAMS SHOWING THE STEPS OF COLLECTING INFORMATION ABOUT RARE MARINE SPECIES AND ANALYZING THE PROGRAMMATIC CONDITIONS OF THE THREE TYPES OF PROGRAMS TO FIND GAPS THAT CAN CREATE CONDITIONS FOR THE DESIGN WORK IN THE NEXT STEP, INCLUDING STUDYING VARIOUS NARRATIVE THEORIES AND PERFORMING MOVIE THEORY ANALYSIS FROM DIFFERENT FILMS AS CASE STUDIES TO FIND CONDITIONS TO BE USED IN THE DESIGN WORK.



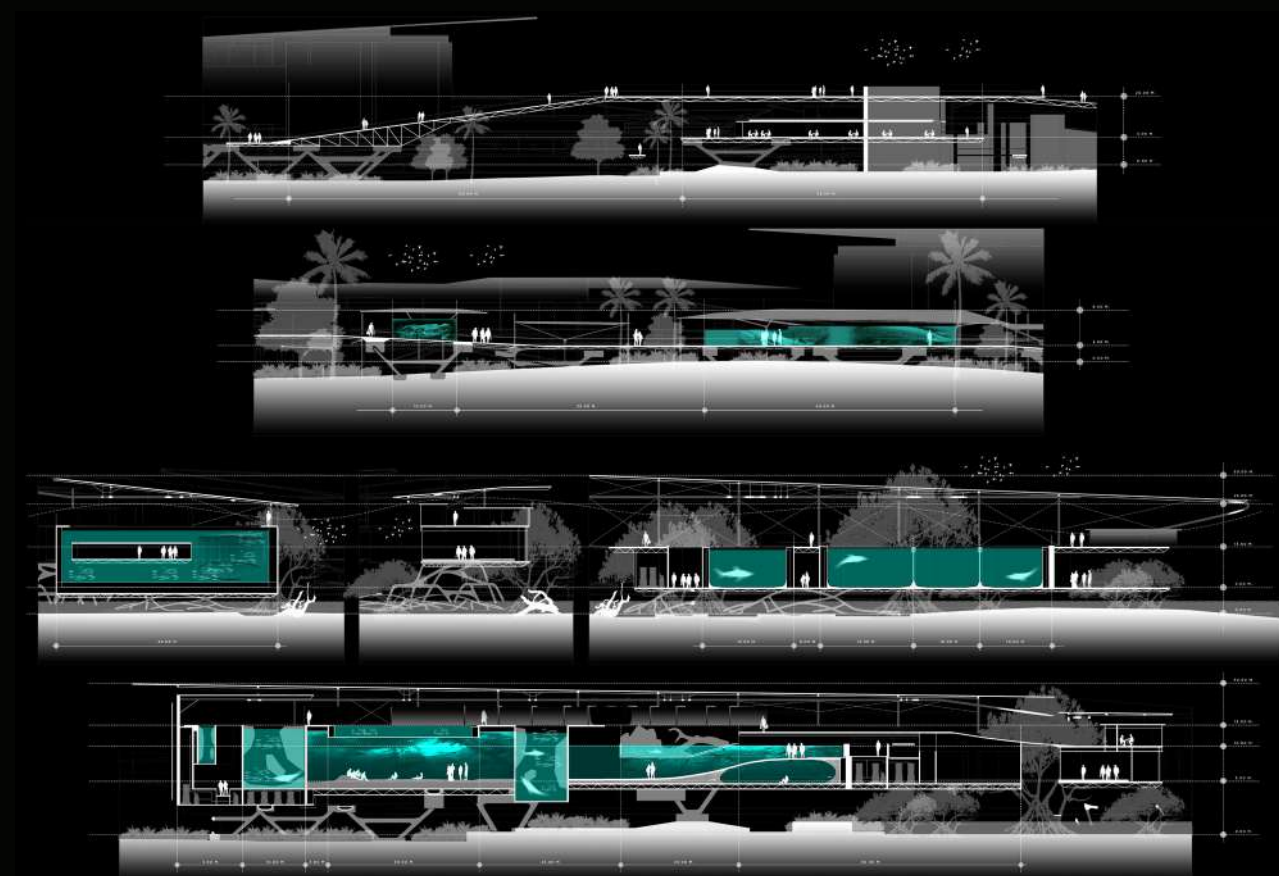
SITE SEEKING

THE SITE SELECTION ANALYSIS WAS BASED ON LOCATIONS WHERE ENDANGERED MARINE ANIMALS HAVE BEEN FOUND IN BOTH THE GULF OF THAILAND AND THE ANDAMAN SEA. THE STUDY APPLIED A FILTERING PROCESS THROUGH REGIONAL AND PROVINCIAL SCALES. FURTHER ANALYSIS WAS CONDUCTED IN CONJUNCTION WITH DATA ON THE FUTURE DEVELOPMENT OF A TRAM STATION, USING THIS INFORMATION AS ONE OF THE KEY CRITERIA FOR SITE SELECTION. AS A RESULT, THE AREA NEAR THE KOH KAEW JUNCTION WAS IDENTIFIED AS THE MOST SUITABLE LOCATION. THIS SITE OFFERS NATURAL ENVIRONMENTAL CONDITIONS THAT SUPPORT THE PROJECT'S PERCEPTUAL DESIGN REQUIREMENTS, AS WELL AS DIRECT ACCESSIBILITY VIA THE PLANNED KOH KAEW TRAM LINE.



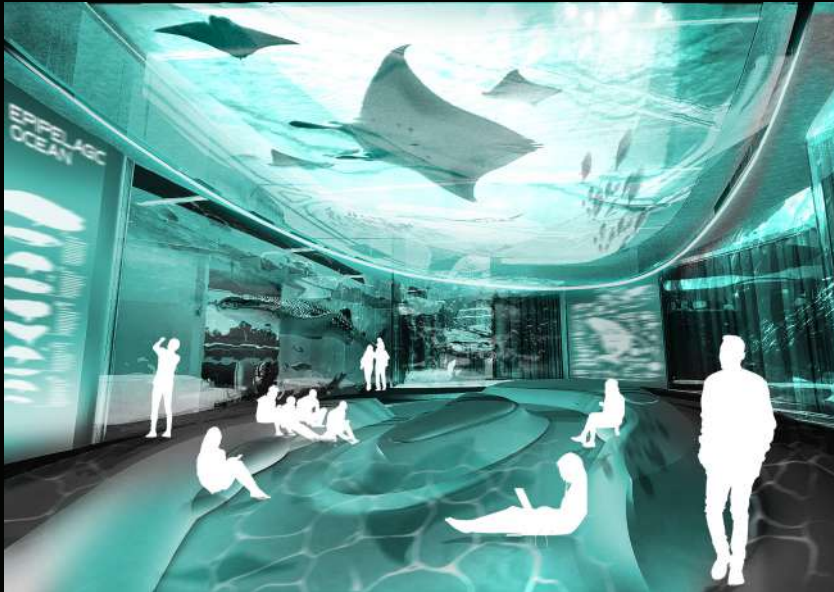
SECTIONS 1

THE SECTION CUT ILLUSTRATES THE APPLICATION OF NARRATIVE THEORY, WHERE EACH ZONE CONVEYS A DISTINCT EMOTIONAL TONE AND SENSORY EXPERIENCE IN THE PROCESS OF SPATIAL ENGAGEMENT. FOR INSTANCE, THE TRAM ACCESS AND TRANSITION NODE ARE DESIGNED TO BLEND ELEMENTS OF BOTH DISRUPTION AND EQUILIBRIUM. THESE AREAS SUBTLY INTRODUCE VISITORS TO THE ATMOSPHERE OF THE PROJECT, USING COLORS DERIVED FROM THE PROJECT'S INNER ZONES—SERVING AS A KIND OF "BRIEFING" OR PRELUDE BEFORE FULL IMMERSION INTO THE CORE EXPERIENCE.



SECTIONS 2

THE FOLLOWING SECTION CUT ILLUSTRATES THE EQUILIBRIUM ZONE – REPAIR – NEW EQUILIBRIUM ZONE, FOCUSING ON A NARRATIVE THAT TRACES THE ECOLOGICAL SYSTEMS OF MARINE LIFE INHABITING VARIOUS INTER-CONNECTED HABITATS—STARTING FROM THE TERRESTRIAL EDGE OF THE SEA. THE SPATIAL JOURNEY BEGINS IN THE TROPICAL RAINFOREST, TRANSITIONS INTO THE MANGROVE FOREST, AND FLOWS TOWARD CORAL REEF ECOSYSTEMS, FORMING A COMPREHENSIVE STORY OF NATURAL PROGRESSION AND INTERDEPENDENCE. THIS SEQUENCE NOT ONLY HIGHLIGHTS BIODIVERSITY BUT ALSO INTEGRATES EDUCATIONAL ELEMENTS RELATED TO MODERN SUSTAINABLE FISHING PRACTICES AND THE REHABILITATION AND CARE OF ENDANGERED MARINE SPECIES AT THE FINAL STAGE OF THE JOURNEY LIES THE AQUARIUM ZONE, WHERE DIVERSE MARINE SPECIES ARE DISPLAYED—RANGING FROM COASTAL CREATURES TO DEEP-SEA ORGANISMS. OCCASIONALLY, RARE OR ENDANGERED MARINE ANIMALS ARE TEMPORARILY HOUSED HERE FOR RECOVERY AND OBSERVATION. THIS CONTROLLED ENVIRONMENT SERVES AS BOTH AN EXHIBITION AND A REHABILITATION PLATFORM, SUPPORTING THE ADAPTATION OF THESE ANIMALS AS THEY PREPARE TO RE-ENTER THEIR NATURAL OCEAN HABITAT.



NEW EQUILIBRIUM ZONE

AQUARIUM

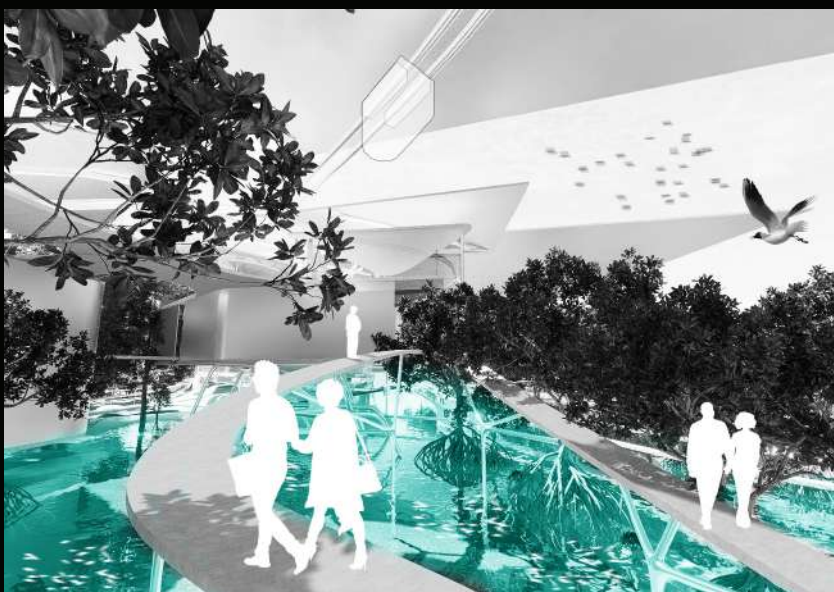
THIS ZONE FOCUSES ON THE OPEN-OCEAN ENVIRONMENT, SHOWCASING MARINE SPECIES THAT INHABIT THE EPIPELAGIC LAYER. THE DISPLAY EMPHASIZES THE DYNAMIC AND EXPANSIVE NATURE OF THE OPEN SEA. HIGHLIGHTED SPECIES IN THIS ZONE INCLUDE THE LEMON SHARK, THE MANTA RAY, AND THE LEOPARD SHARK, CREATING A POWERFUL VISUAL AND EDUCATIONAL EXPERIENCE FOR VISITORS, REFLECTING BOTH THE BEAUTY AND VULNERABILITY OF MARINE LIFE IN THIS UPPER OCEANIC LAYER.



DISRUPTION ZONE

MULTIMEDIA ART SPACE

THIS ZONE FEATURES SPATIAL ELEMENTS DESIGNED TO INTERFERE WITH AND RESTRICT THE VISITOR'S MOVEMENT, SYMBOLIZING INTRUSION AND DISORIENTATION. THE AQUARIUM TANKS IN THIS AREA ARE SPECIALLY DESIGNED TO REFLECT THE THEME OF INVASION AND CONFINEMENT—EVOKING THE EMOTIONAL EXPERIENCE OF THREATENED MARINE LIFE. THE SPATIAL CONFIGURATION, LIGHTING, AND ENCLOSURE DESIGN WORK TOGETHER TO IMMERSE VISITORS IN AN ATMOSPHERE OF TENSION, VULNERABILITY, AND LIMITED AGENCY, MIRRORING THE PLIGHT OF SEA CREATURES UNDER ECOLOGICAL STRESS.



REPAIRING ZONE

ENDANGERED MARINE LIFE

RESCUE CENTER

THIS AREA SHOWCASES THE FACILITIES DEDICATED TO THE CARE AND REHABILITATION OF RARE AND ENDANGERED MARINE SPECIES, AS WELL AS RESEARCH AND TECHNOLOGICAL DEVELOPMENT CARRIED OUT BY MARINE SCIENTISTS AND CARETAKERS. THE ARCHITECTURAL AND SPATIAL DESIGN IS SEAMLESSLY INTEGRATED INTO THE NATURAL MANGROVE ENVIRONMENT, MAINTAINING ECOLOGICAL SENSITIVITY WHILE SUPPORTING ESSENTIAL SCIENTIFIC AND CONSERVATION FUNCTIONS. THE INTERACTION BETWEEN BUILT STRUCTURES AND NATURAL ELEMENTS REFLECTS A COMMITMENT TO COEXISTENCE AND SUSTAINABILITY.



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