



**CONTACT.**

Mail : [Wathanyu.k@kkumail.com](mailto:Wathanyu.k@kkumail.com)

Tel : +6680-0699074

Copyright 2022 by Wathanyu Kaewwangchai

All Rights Reserved

## CONTENT

- 01 Public Library And Learning Center
- 02 Fon rin Gallery
- 03 Ayutthaya Hostel
- 04 Drown to Mountain Children's art camp
- 05 Lang Baan Boutique Hotel & Restaurant
- 06 Digital Art Center
- 07 Ramathibodi Medical Center
- 08 Andaman pavilion
- 09 Flood Shelter
- 10 Other Experience

# Wathanyu Kaewwangchai

Architect / Designer / Creative / Try to be Artist

Wathanyu K, Designer who is obsessed with searching for information. Interpret and then translate it into a work. As a designer I like to incorporate nature into the project. because of the back image and personal preference You may see me as a Green architecture, but personally, I see myself doing more challenging and fun things.

My five years in design school have opened up many unknown worlds, including hackathon competition, content designer and organizing events. I always accept all kinds of new jobs, and travel to different places makes me who I am today.

## CONTACT.

Mail : Wathanyu.k@kkumail.com  
Tol : +6680-0699074

## EDUCATION.

Khonkaenwittayayon  
High school

(2002 - 2017)

Khon Kaen, Thailand

Faculty of Architecture  
Khon Kaen University.

(2017 - 2022)

Khon Kaen, Thailand

## SKILLS.

Digital : Revit/ Sketchup/  
Autocad/ Lumion/ Enscape/  
Vray/ Adobe Creative Suite :  
Photoshop, Illustrator,  
Premiere/ Microsoft office.

Fabrication: Paper model/  
cutting/ Hand Drafting/  
Foam Cutting/ Sculpting/  
Laser cutting/

## QUALIFICATIONS

- o Be ready to learn new things and be able to adapt to the environment, place and people.
- o Skills to effectively handle various tasks in a stressful and busy environment.
- o Good communication skills in Thai and daily spoken English. And now looking for a third language to further study.
- o Advanced 3D creation and accurate rendering skills

## EXPERIENCE.

Green art & design 101.

Architectural Assistant/Draftsman Jun. - Jul. 2019 (Internship)

Based in Roi Et, Thailand

- Participate in feedback and design from the start of the project
- Create virtual models (3D and rendering) during the phases Design development
- Check the completeness of the internal work under construction

Sake Architects Company Limited.

Architectural Assistant/Research Apr. - Jul. 2020 (Internship)

Based in Bangkok, Thailand

- Collect data from surveys, contexts and interviews
- Search for relevant information
- Study the behavior of living beings, transform them into iagram images.

Bunnag architects international consultant CO., LTD.

Architectural Assistant/Draftsman May. - Jul. 2021 (Internship)

Based in Bangkok, Thailand

- Commenting on the development of drawings through sketching ideas
- Making presentations from the drawing program (Autocad.)
- Checking and keeping the completeness of the construction drawings
- Checking the discrepancy between the 3D model and the model construction that will be forwarded to the contracto

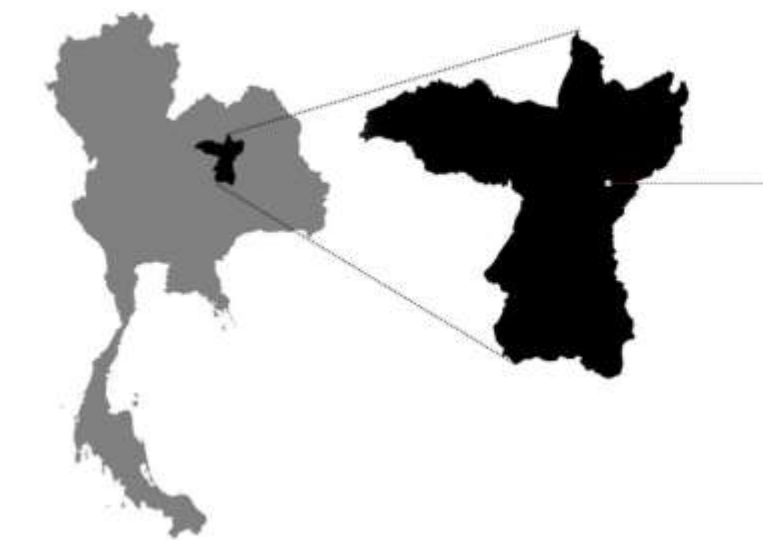
Freelance Experince

Architect / Draftsman / Survey / 3D Render

- Architectural design and Interior decoration
- Renovation and addition design
- Survey the area, measure the distance for accuracy
- Write construction drawings for permission



01 Architectural Thesis Project  
**PUBLIC LIBRARY AND LEARNING CENTER**  
 Location: Khon Kaen, Thailand



The project is located in Thailand's Khon Kaen, the third-largest region in the Northeast. It has a hilly and slightly undulating topography, and experiences tropical grassland weather.

The construction site is in the centre of Khon Kaen, on the portion of the transit station that is vacant as a result of the city's growth



Khon Kaen now only has 3 public libraries, 2 of which are for kids. It needs to be discarded because it has degraded Unknown, difficult to access, and insufficient to satisfy demand

People typically visit Khon Kaen University's Central library during test season if they need to do any work, however there are already too many people using it. The result is congestion.

A comparison of 2002 and 2022 shows that, with the exception of the environment, Khon Kaen has advanced in a number of areas for more than 20 years, including the economy and transportation.



Public transport

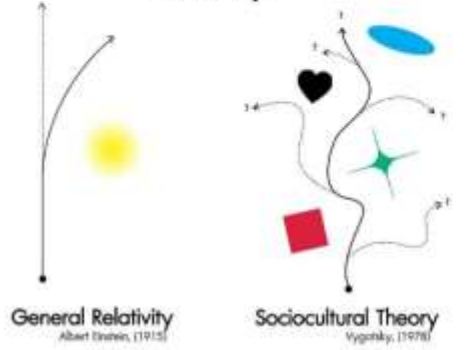
The construction site is in the heart of Khon Kaen, on the portion of the transit station that is vacant as a result of the city's growth Destroy unused and wasted land Consequently, the designer choose this location, because it is easy to access and there is food nearby



Green area Road Religious Residential Academy Commercial



## Theory



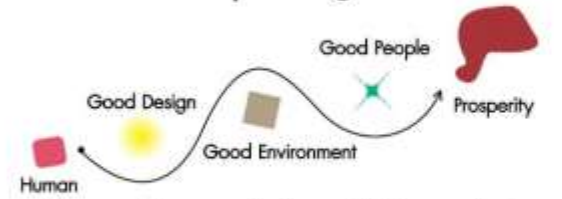
**General Relativity**  
Albert Einstein, (1915)

General Relativity is a theory that describes how light travels and bends as it passes near planet.

**Sociocultural Theory**  
Vygotsky, (1978)

Sociocultural Theory describes human behavior by relating social experiences.

## Concept Diagram



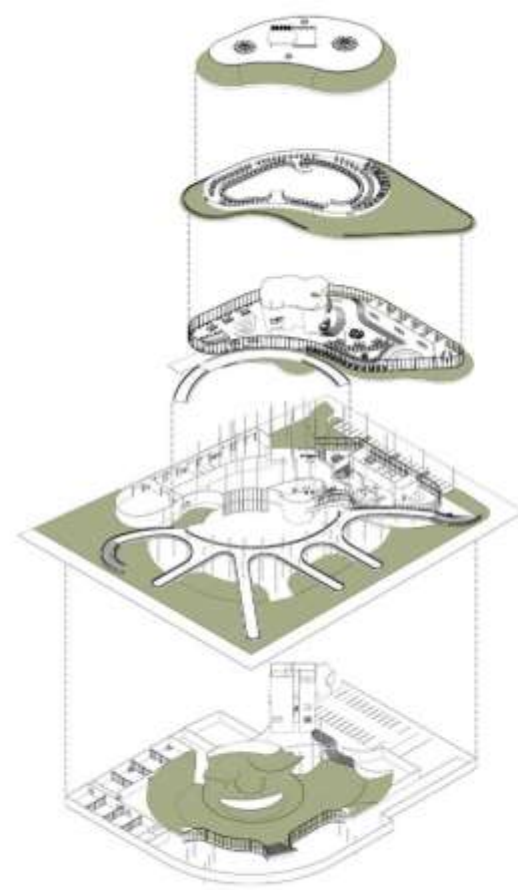
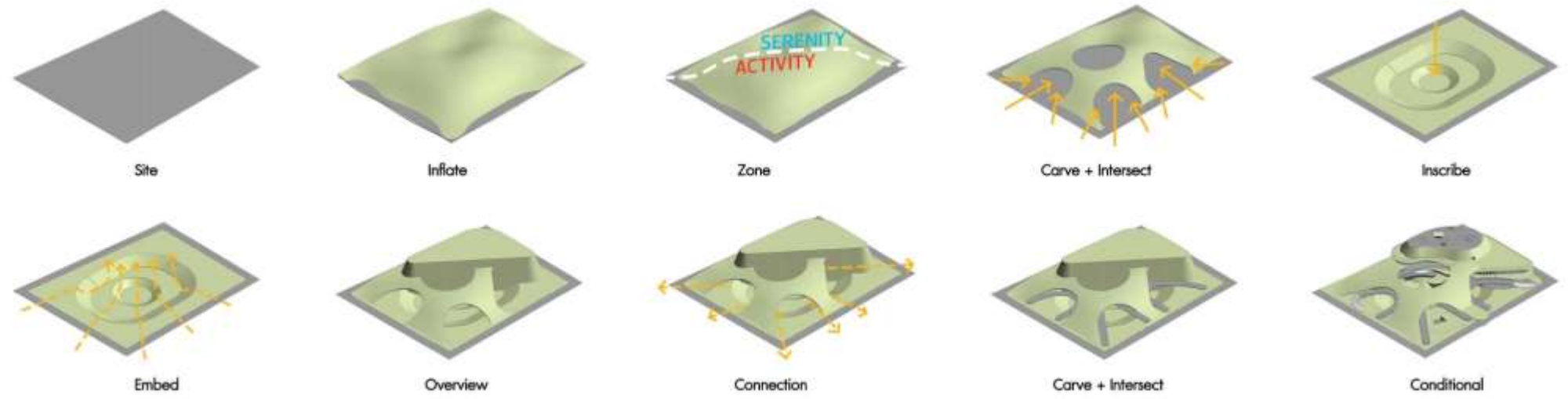
When people have a good environment able to access learning conveniently. The more public spaces and activities, it can make a difference.

## Site location



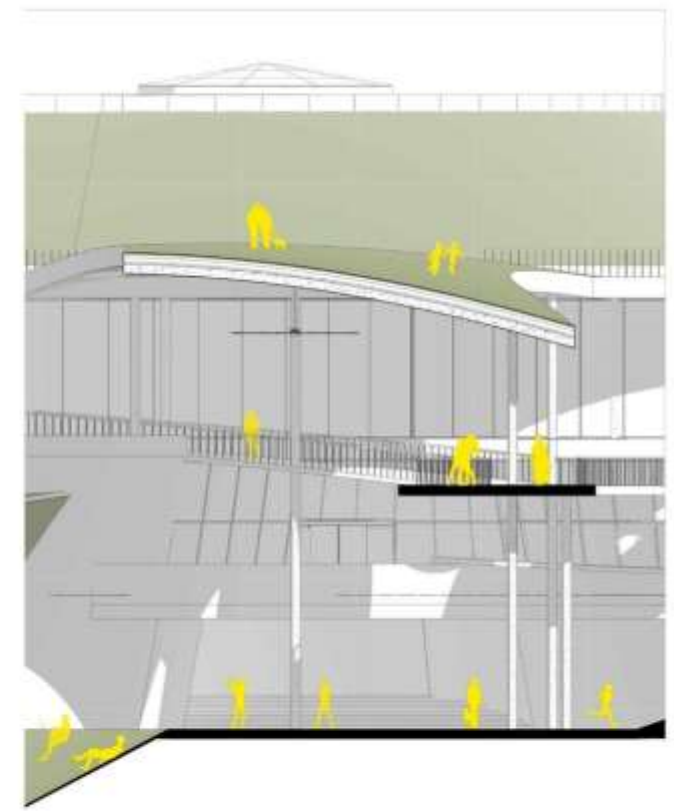
Designers apply these two concepts to create a ripple effect on learning, environment, economy and concept development. To open up the world even more. When entering the survey area, it is found that the surrounding environment is only buildings with similar shapes, lacking the shade of trees and other creatures. People, animals.

Therefore, an experiment is proposed to determine the required shape of a building by selecting the shapes of plane, sphere, cylinder and plane through various views on the spot, as shown in the figure. Through the discussion with the consultant, it is concluded that organic form will be used.

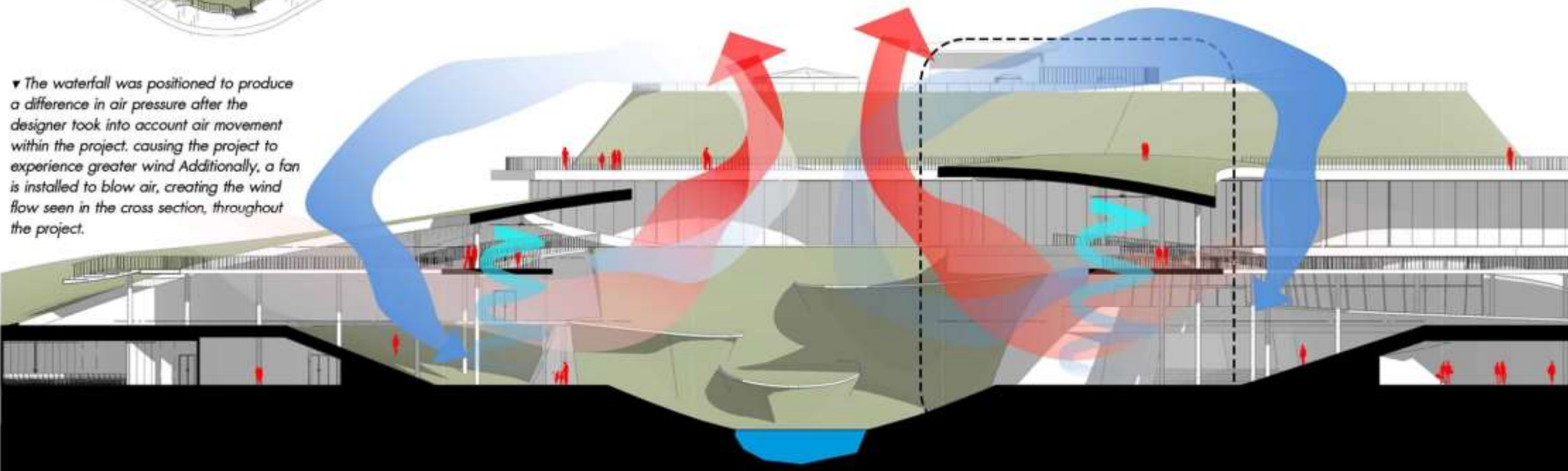


From the analysis through the surrounding context therefore placing the activity area in front where there are a lot of distractions. Then push the library zone and the main area behind. To achieve privacy and quiet. In front will consist of restaurants, meeting rooms, various activity areas, and park. At the back there is a system room, storage room, office, exhibition areas and The Library.

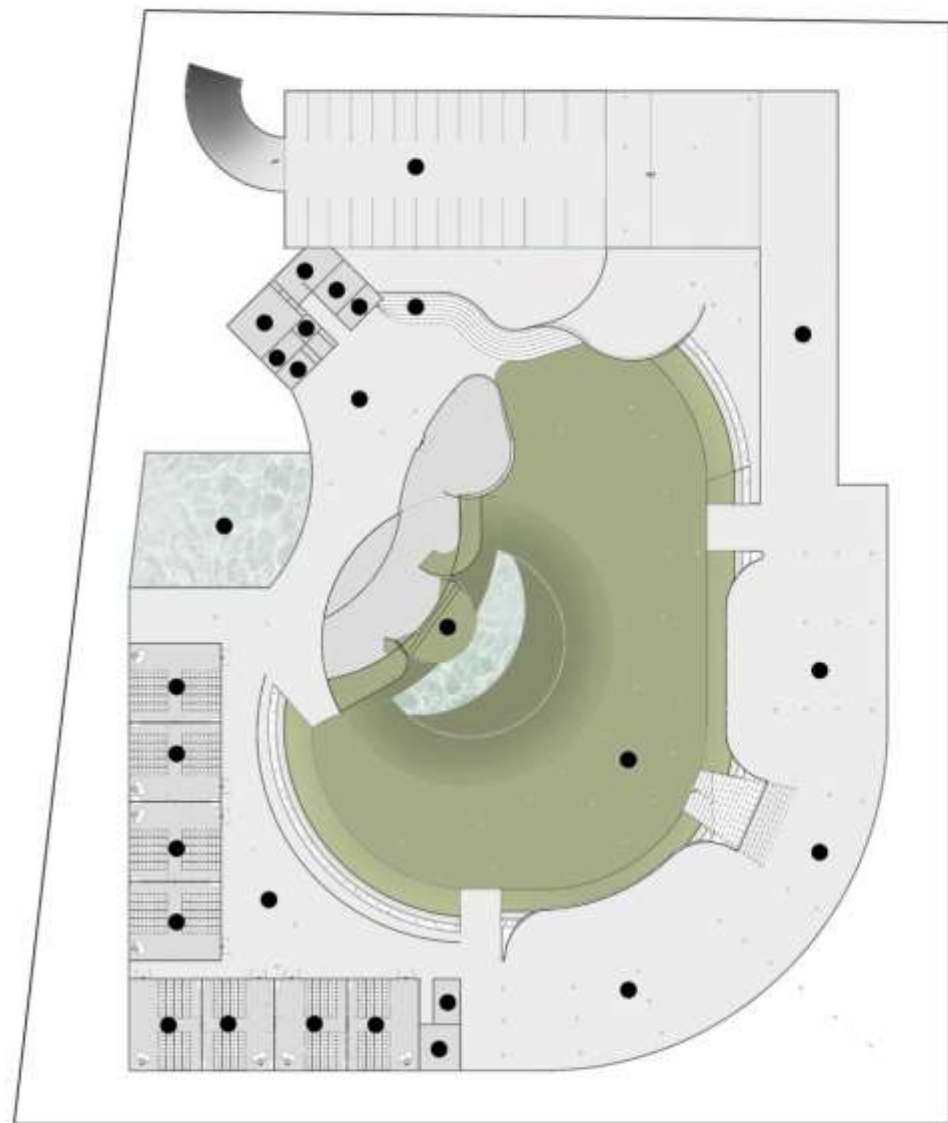
Even grassy green spaces may require expensive maintenance. As a result, the designer offered Tapestry lawn, a suggestion that calls for incorporating cover crops into the grass. It is stunning and can cut mowing time in half compared to the conventional approach. As each plant's blooms bloom, this strategy also encourages biodiversity and increases project interest. Allow people to learn. Additionally, you can use more projects.



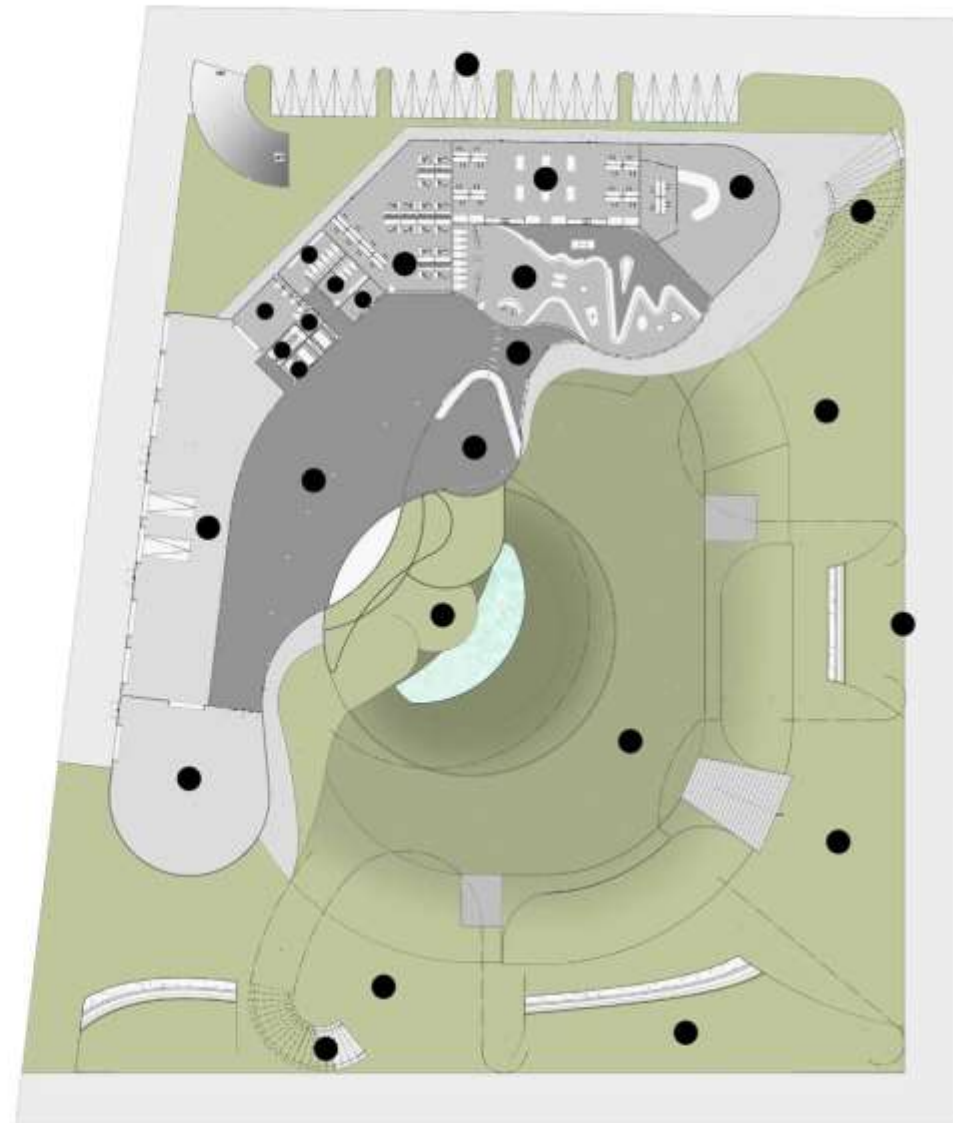
The waterfall was positioned to produce a difference in air pressure after the designer took into account air movement within the project. causing the project to experience greater wind. Additionally, a fan is installed to blow air, creating the wind flow seen in the cross section, throughout the project.







-1<sup>ST</sup> FLOOR



1<sup>ST</sup> FLOOR



2<sup>ND</sup> FLOOR



3<sup>RD</sup> FLOOR



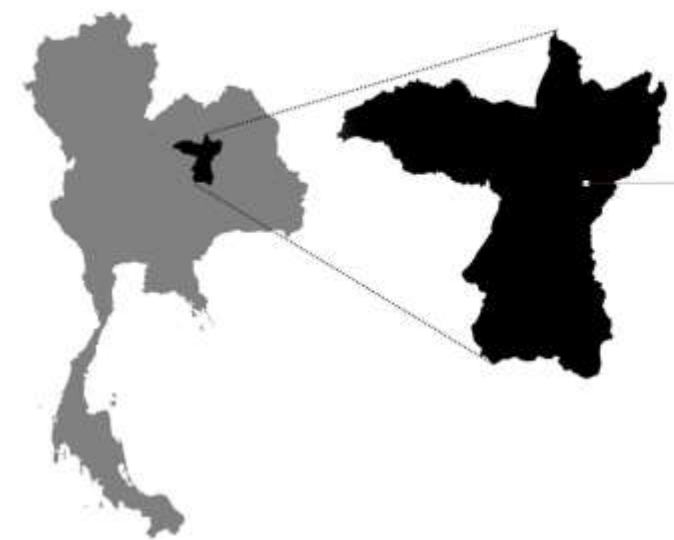
- |                   |                  |                  |              |                     |                  |                        |                        |                        |                |
|-------------------|------------------|------------------|--------------|---------------------|------------------|------------------------|------------------------|------------------------|----------------|
| 1. ELEVATOR       | 2. FIRE ESCAPE   | 3. FIRE ELEVATOR | 4. TOILET    | 5. MAINTENANCE ROOM | 6. CAR PARKING   | 7. CANTEEN POP-UP ZONE | 8. MEETING ROOM 72 SIT | 9. MEETING ROOM 90 SIT | 10. HALL       |
| 11. RESERVE WATER | 12. SUNKEN PARK  | 13. WATER FALL   | 14. ENTRANCE | 15. CAFE            | 16. KID LIBRARY  | 17. MAKING SPACE       | 18. OFFICE             | 19. INFORMATION        | 20. EXHIBITION |
| 21. MAINTENANCE   | 22. STORAGE ROOM | 23. STAIRS       | 24. BUS STOP | 25. MEETING ROOM    | 26. TALKING ZONE | 27. READING ZONE       | 28. BRIDGE             | 29. GREEN ROOF         |                |





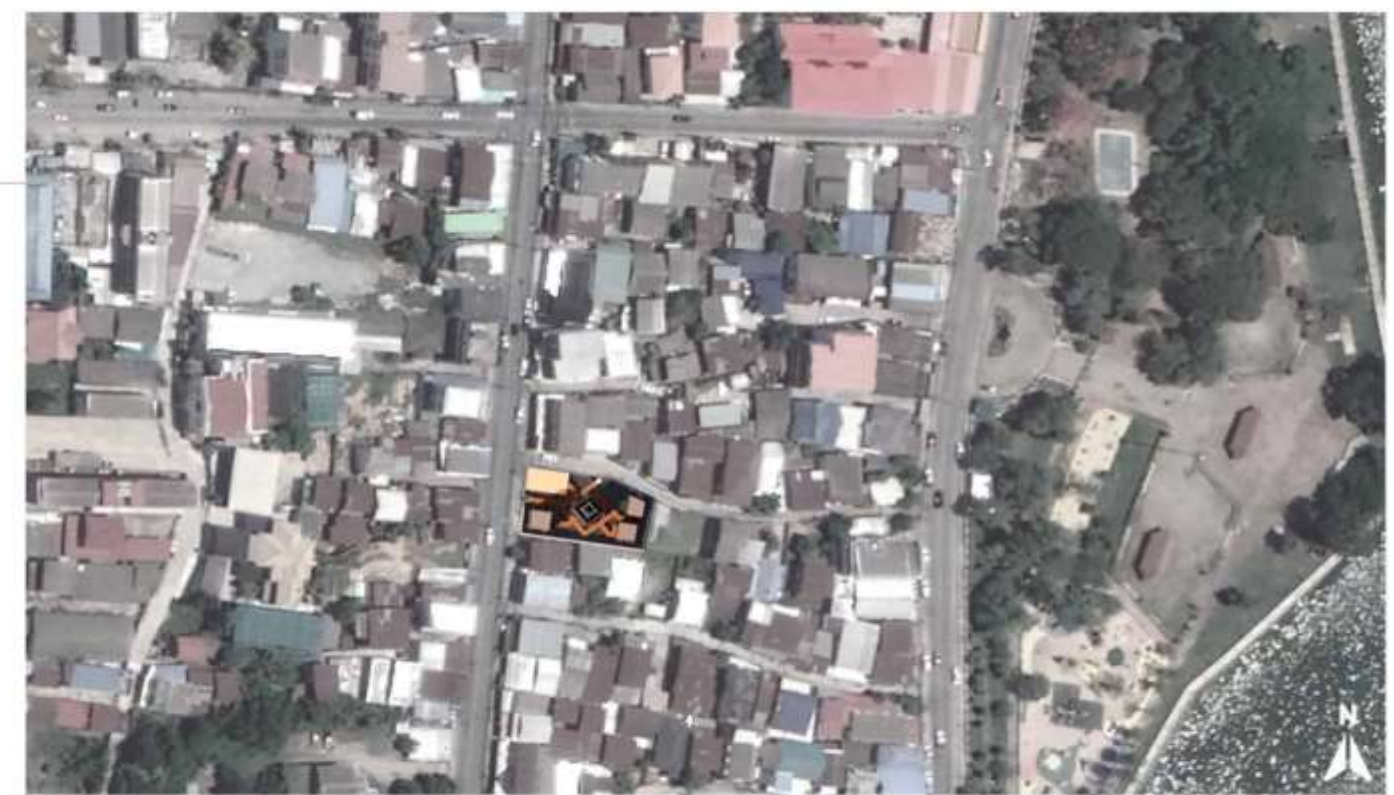


02 Architectural Thesis Project  
**FON RIN GALLERY**  
 The Water temple exhibition  
 Location : Khon Kaen, Thailand



*Khon Kaen, the third-largest region in northeastern Thailand, is where the project is situated. It is characterized by geography, a savanna climate, and a few spots of mild undulation. The project is situated in the old city, a crowded neighborhood close to the KaenNakhon swamp.*

*The Kaennakorn marsh is not far from the gallery. The water issue is still not fully resolved as of right now. Because of this, the designer decided to make it the topic of both the show and the project to remind people of their issues. and offer other solutions.*



Cyperus alternifolius

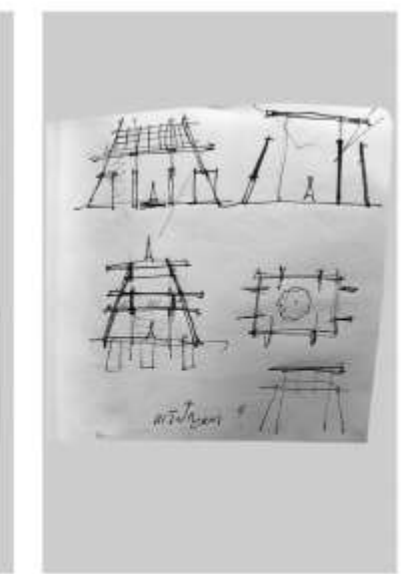
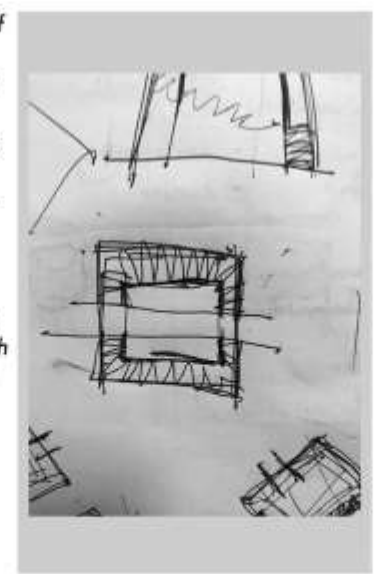


Typha angustifolia

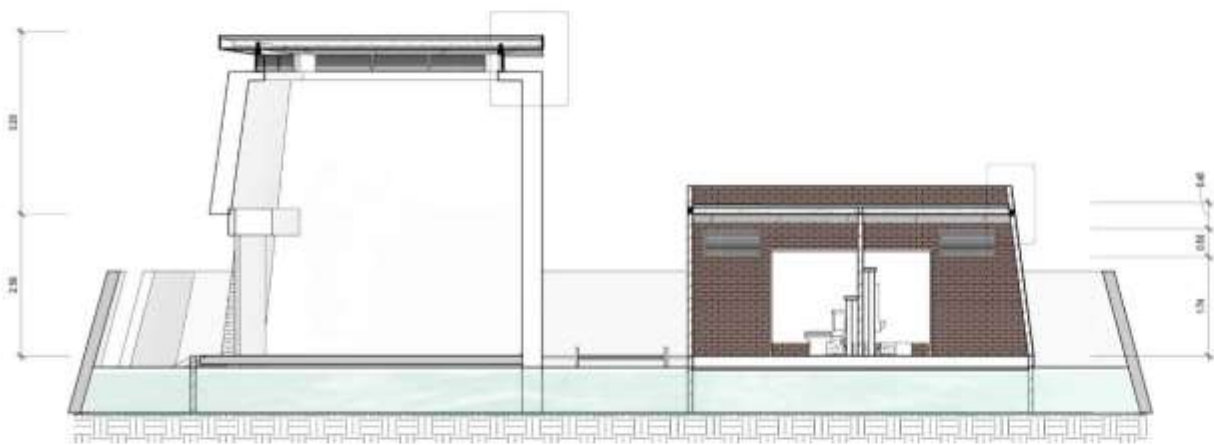


Canna Lily

*given the abundance of residential structures nearby Along the main road, several are inserted between some business structures. trying to control not to stand out too much as a result. As a result, the architect separates the structure into crucial sections such as the restroom, office, storage, and display area. This project's design philosophy is phenomenology.*



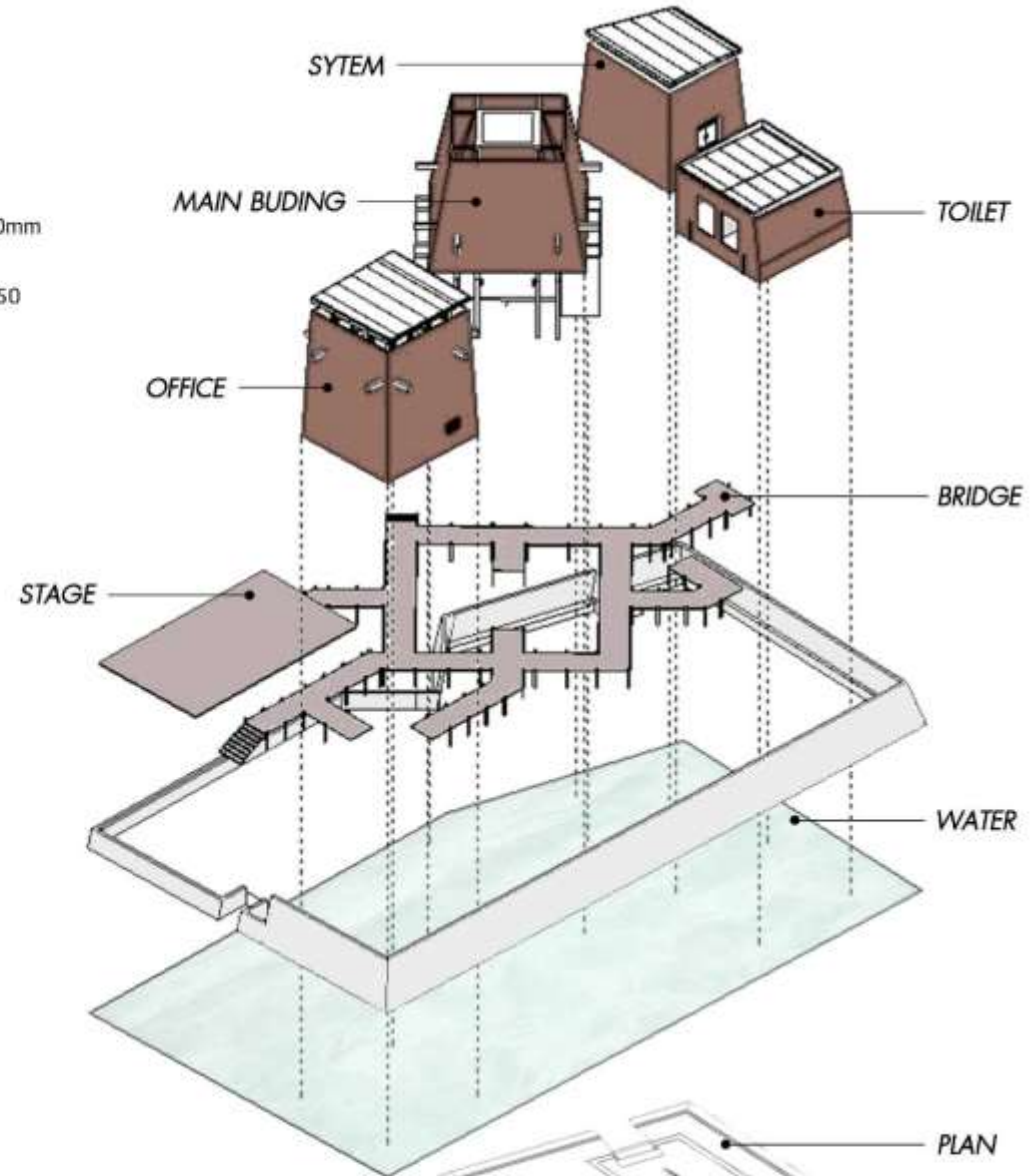
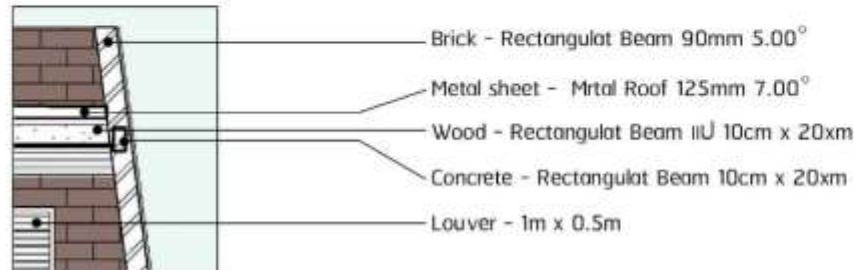
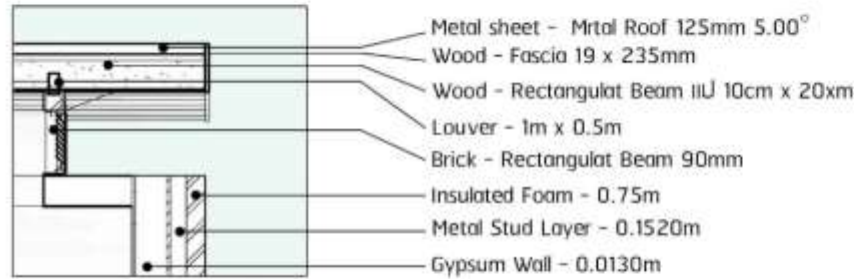
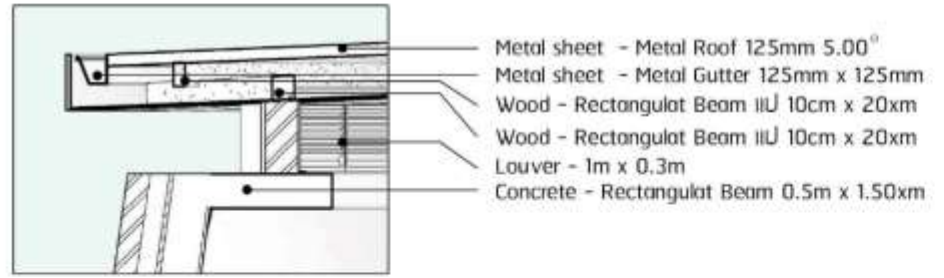
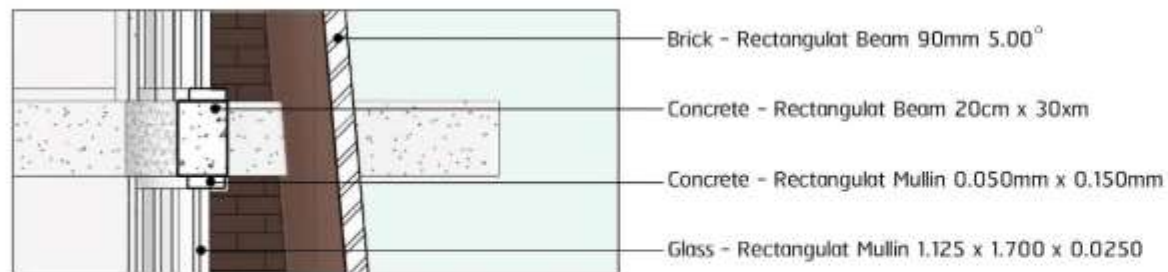




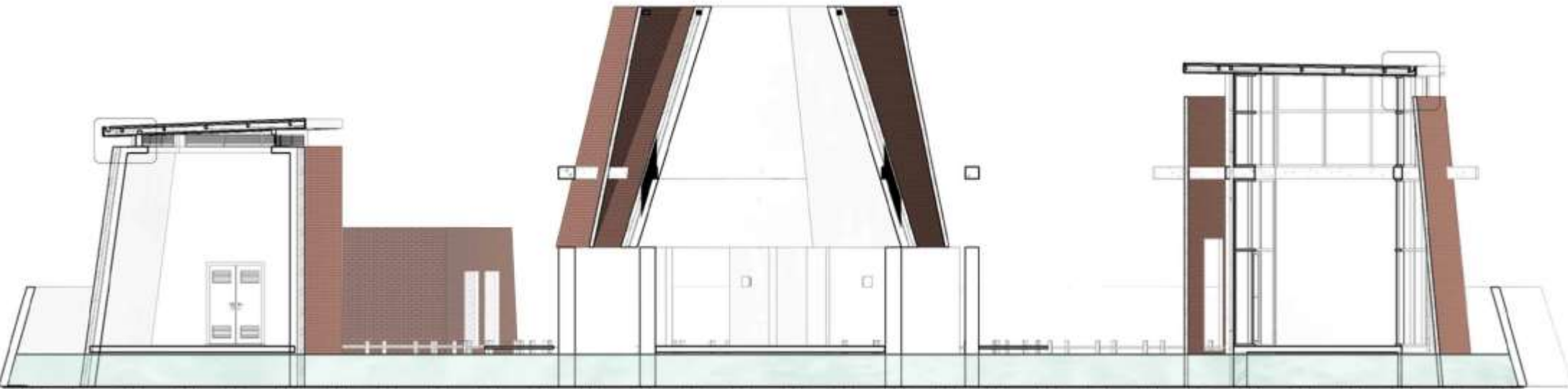
▲ The storage room and system of the project are located at the back, and there is a parking lot for maintenance. It is designed with a ventilation vent at the top. And walls with insulating foam to avoid disturbing participants.



▼ By taking the phenomenological concept as the main concept, visitors can experience by feeling moisture on their skin. Feel damp in the rain without a roof. Walk along the waterway with plants along the way.



AXONOMETRIC



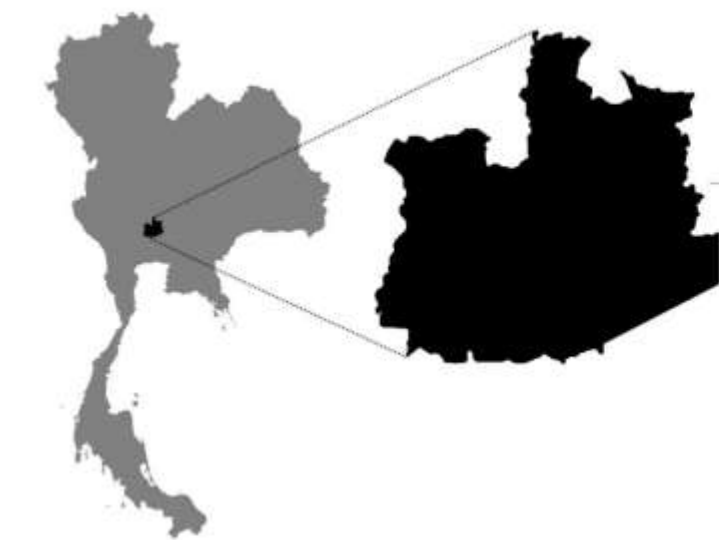






# 03 Academic Project Ayutthaya Hostel

Location : Ayutthaya, Thailand



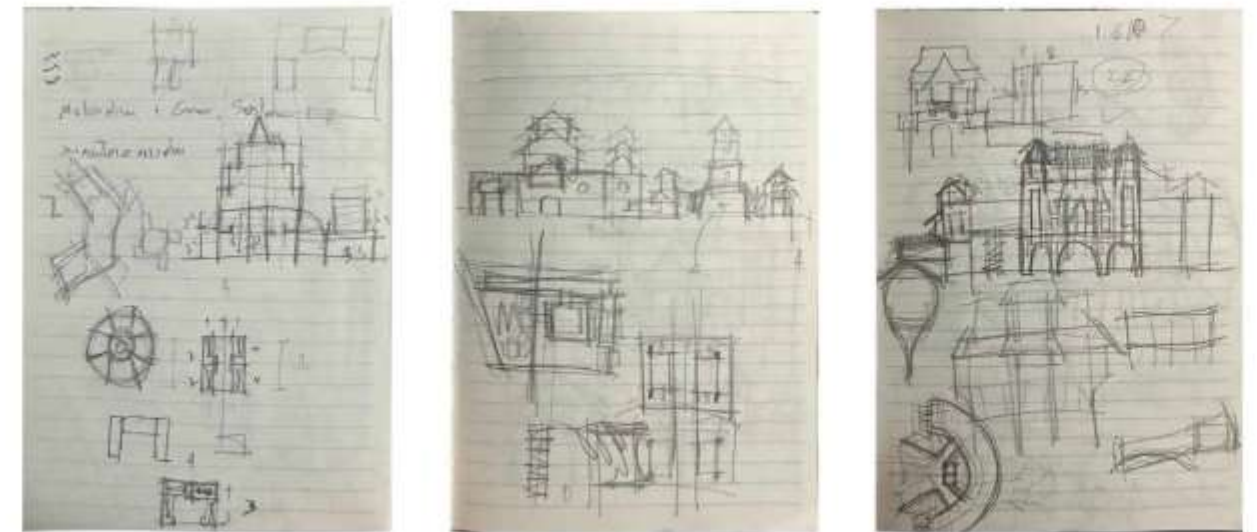
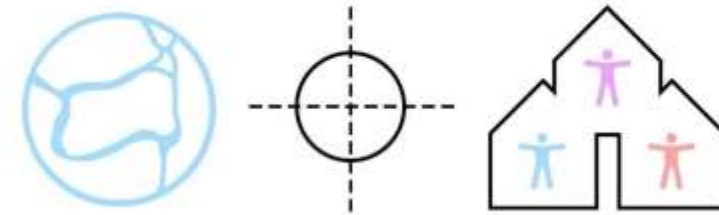
The project is located at Ayutthaya, Thailand, is one of the central regions. has a long history was the capital of the Ayutthaya Kingdom or the kingdom of Siam, a period of more than 417 years.

The area is mostly paddy fields, without mountains and forests, and there are four rivers flowing through it. Under the influence of two monsoons, the weather is hot and humid. The northeast monsoon is in cold and dry winter, and the southwest monsoon is in rainy season, leading to long-term rainfall.

It is around 6 kilometers from the city in Uthai District's Khao Mao Subdistrict. The road has a connection to the north. The residences are close to the east and west. & Khlong Khao Mao is next to the back. According to the study, there was a tendency for the canal's vicinity to slightly flood the area.

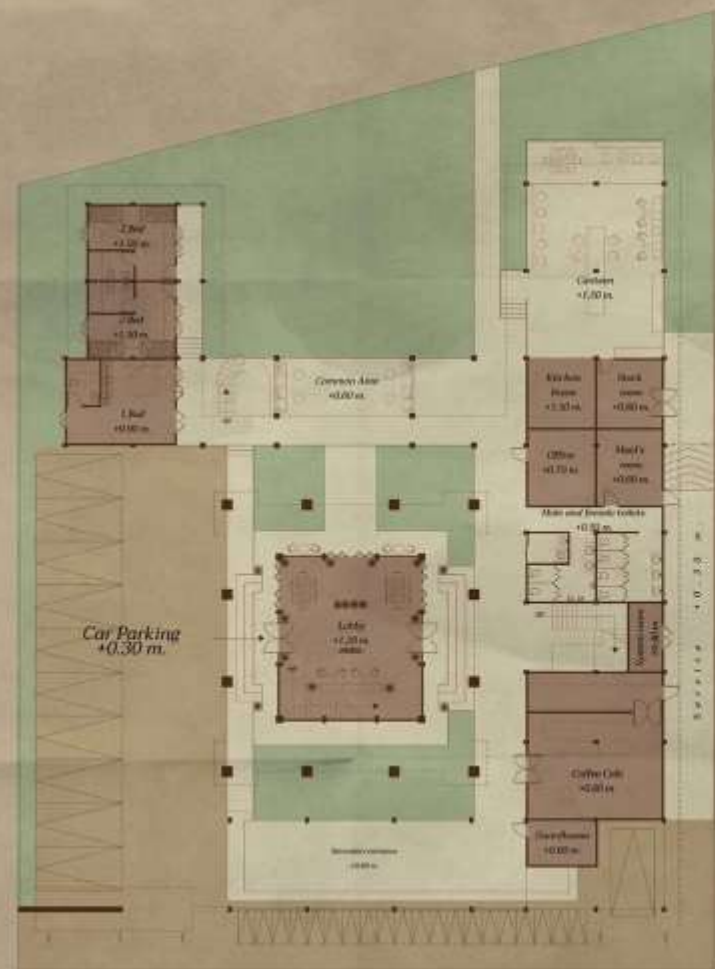
Designers therefore use the history of the area to comprehend and reinterpret. Planning cities during the Ayutthaya period. Houses surround important locations like temples and government buildings. The temple's structure. The building's center will lead to the main building. To create various corners and encourage interaction, stack the flooring into individual rooms.

## Concept

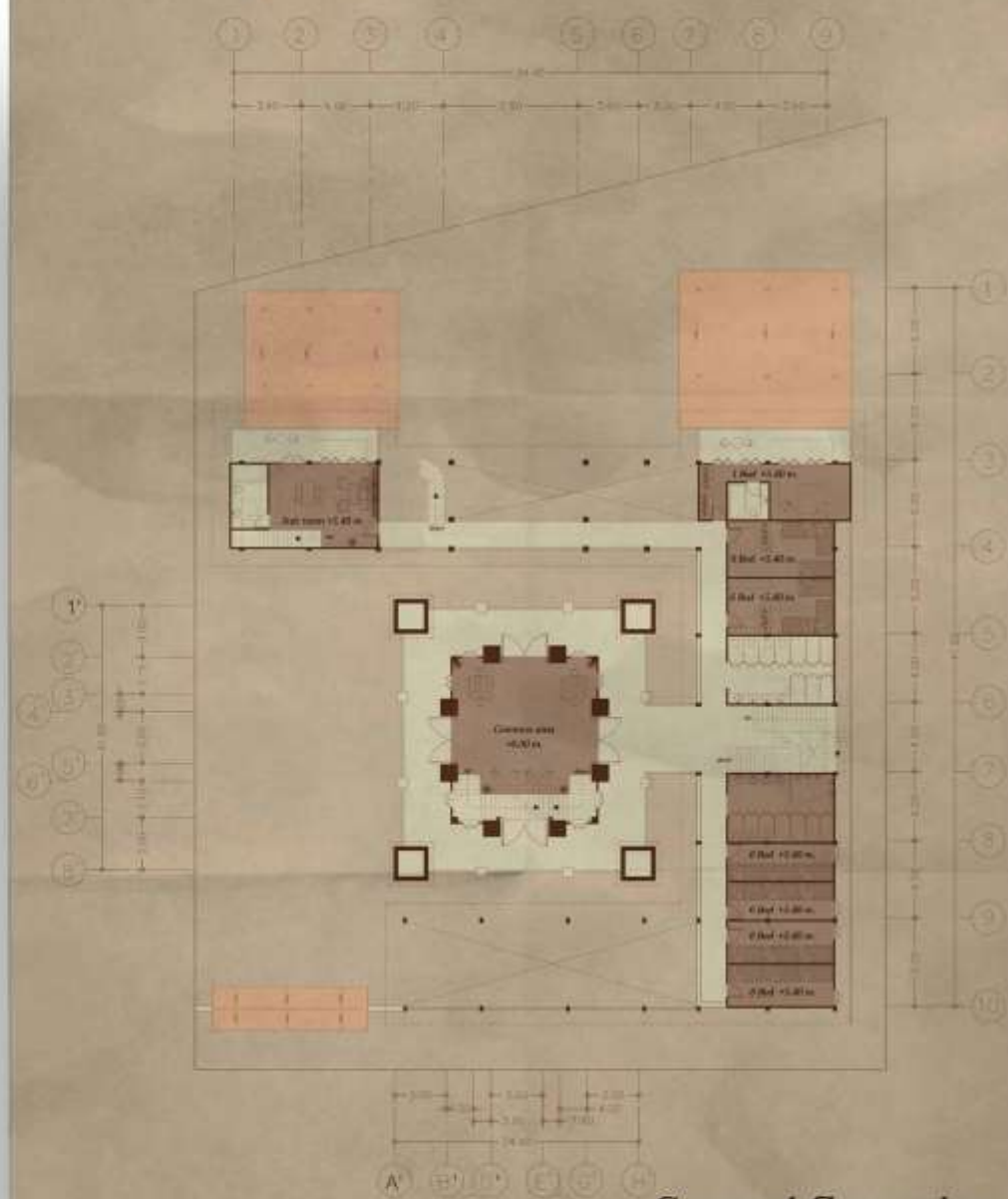


The designer makes plans based on the seasonal wind and sun directions. East of the building is where the parking lot is, and west of it is where the building is shaded. Open space that permits wind to flow throughout the project. A private room and an activity area are also envisioned for the area next to the canal. There will be a different sensation as the water level rises.

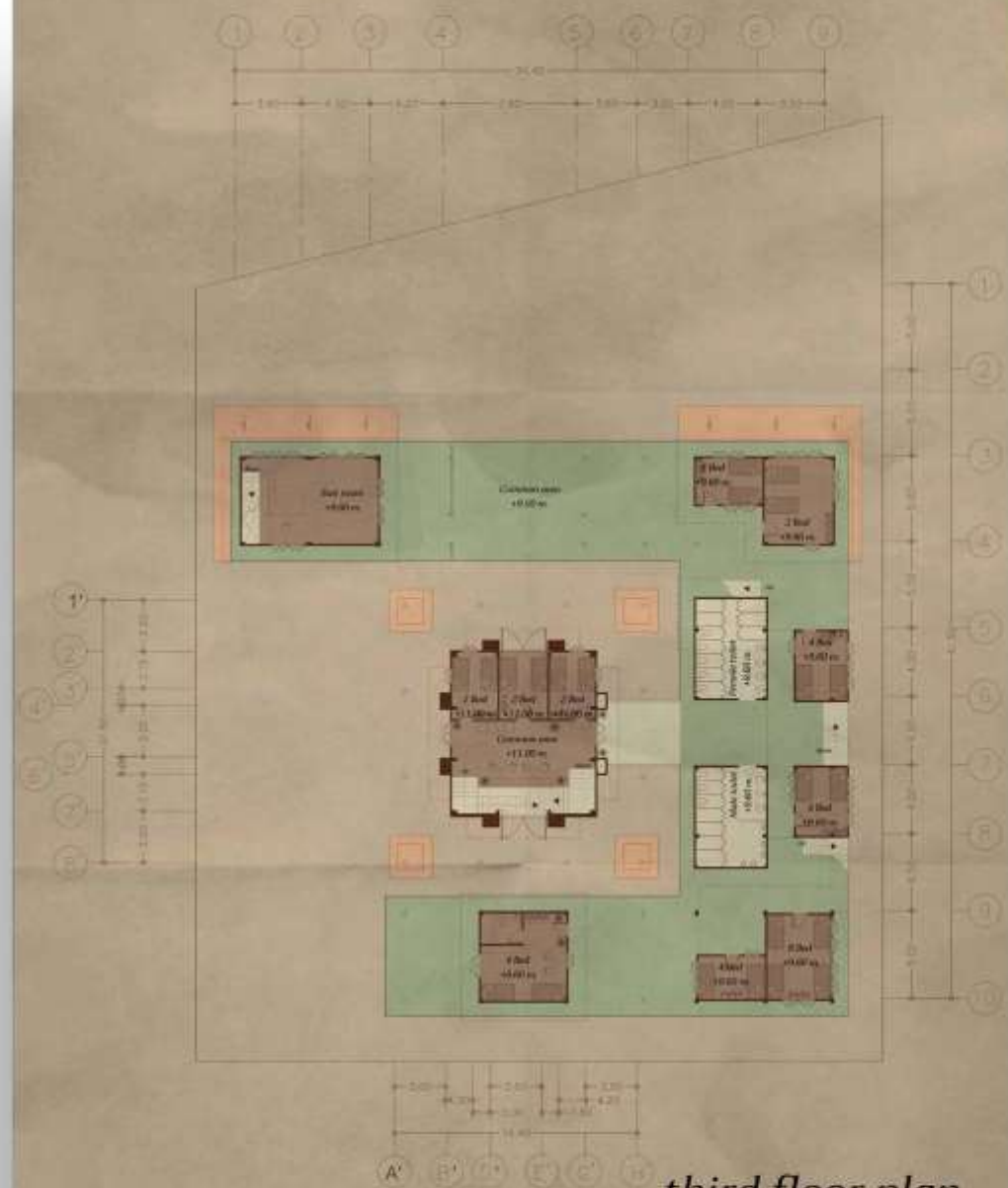




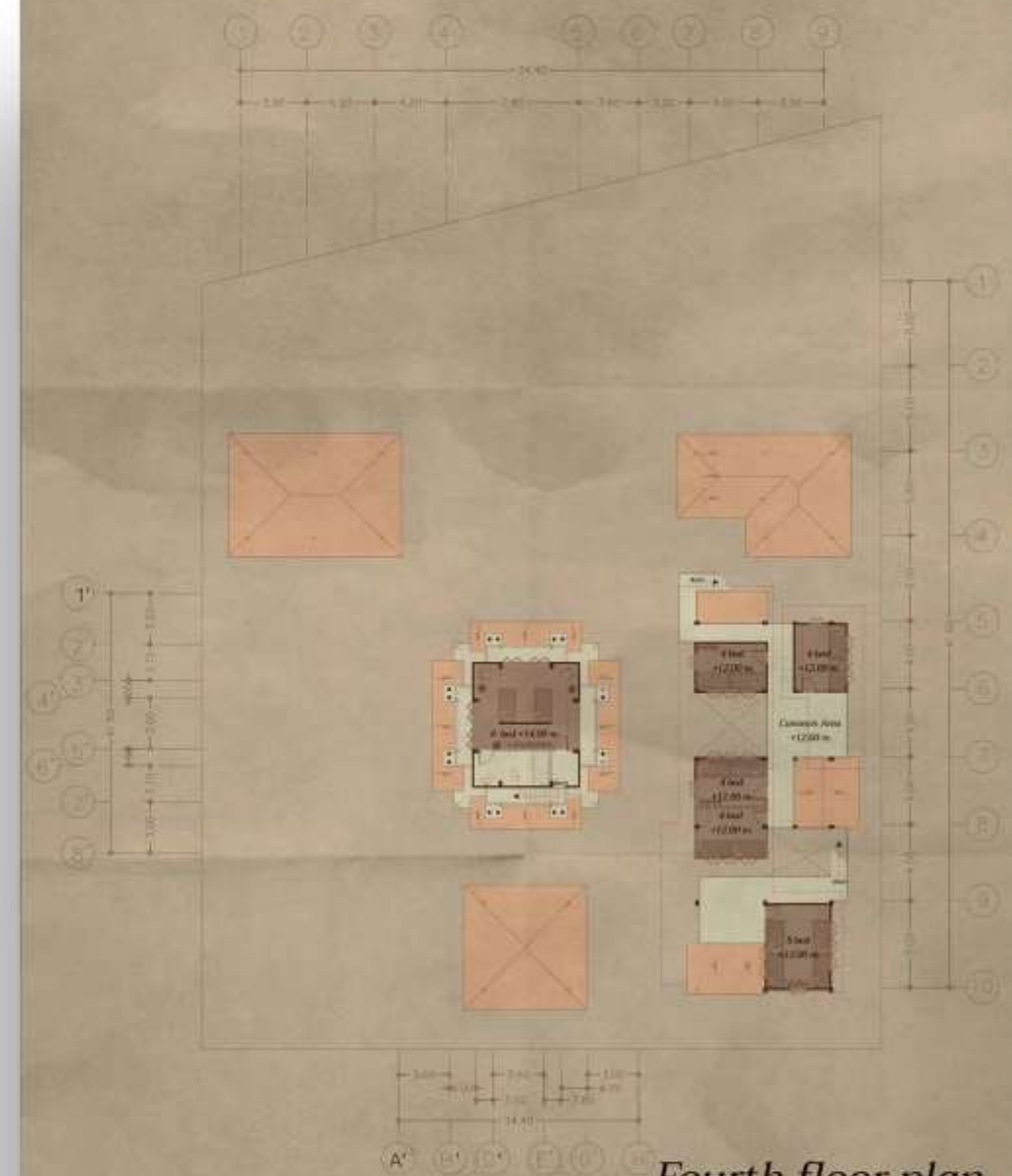
First floor plan  
Scale 1:100



Second floor plan  
Scale 1:100



third floor plan  
Scale 1:100



Fourth floor plan  
Scale 1:100



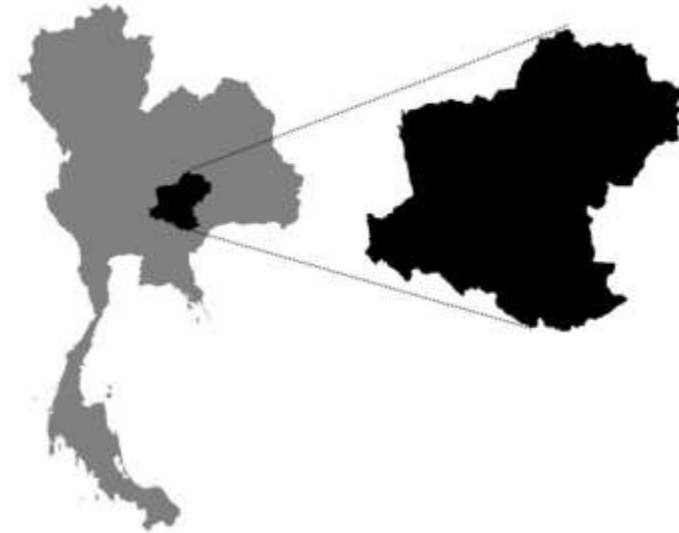




# 04 Academic Project

## Down to Mountain

Children's art camp  
location: Khon Kaen, Thailand



The project is located in Thailand's largest province, Nakhon Ratchasima Province. Mountains can be found on the south and west sides, although the majority of the land is flat. Its climate is tropical grassland.

The project is situated on a terrain with contours. There are also many old trees in the neighborhood. It also goes beyond the necessity of the project. Therefore, the consultant chose to remodel half of the area.

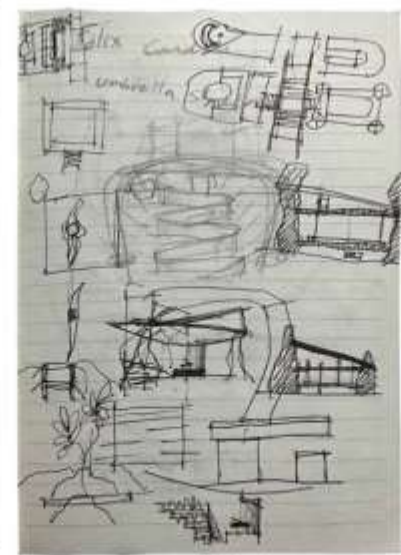
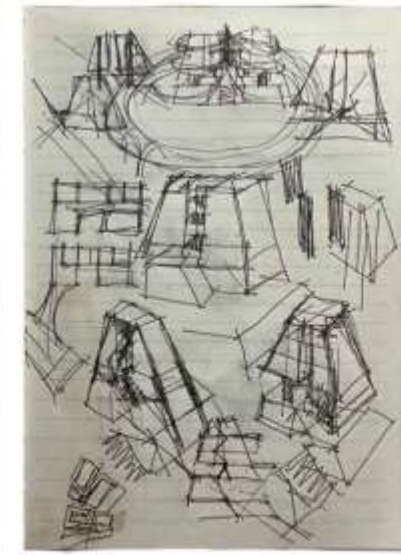
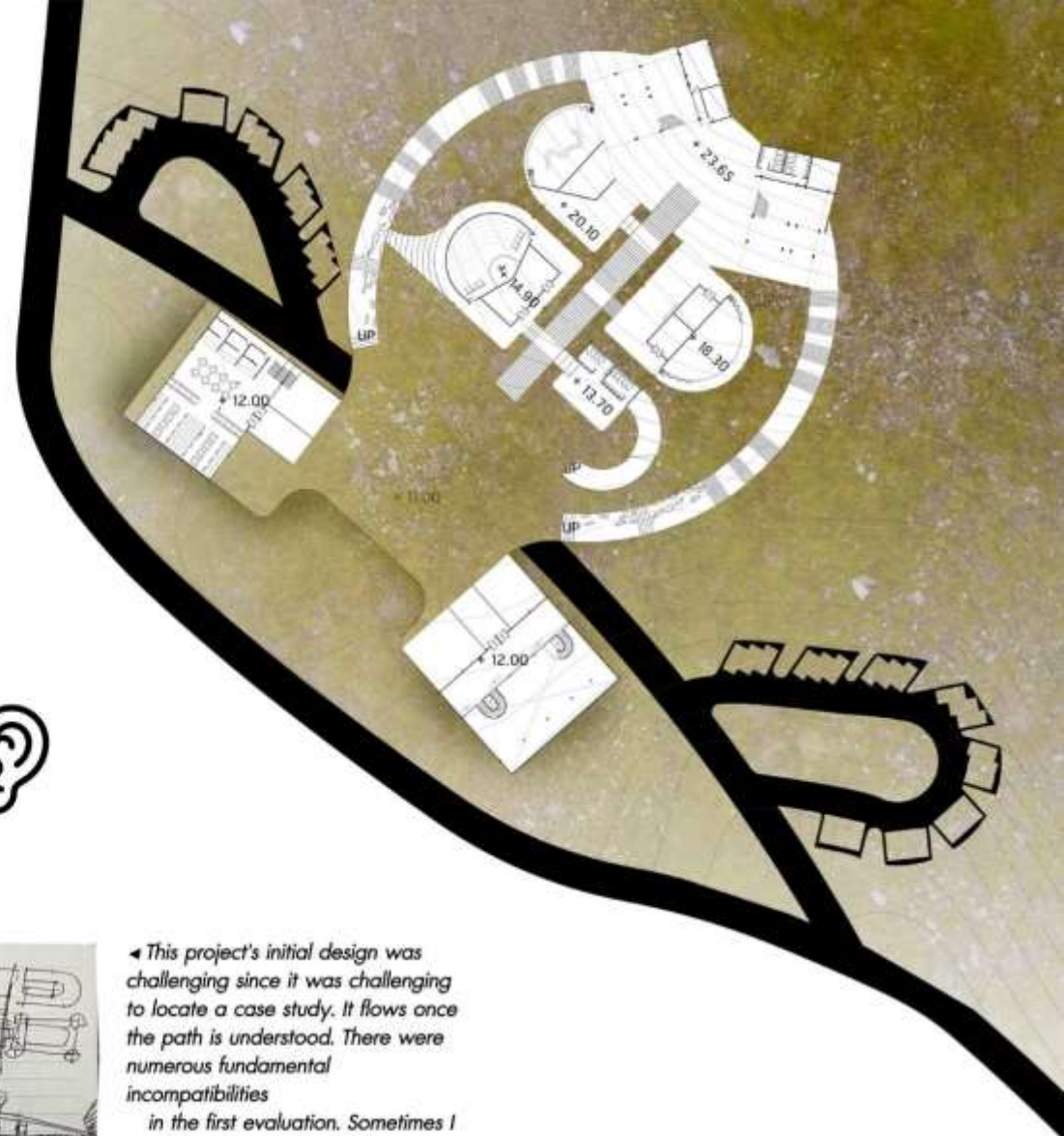
The consultant and I decided to attempt something enjoyable together because the project was unreasonable, so I started browsing for some ideas. to ignite myself The adage "you are what you eat" and the film "Steven University" serve as my sources of inspiration.



◀ When it comes to functions like eating, breathing, seeing, or learning, the human body is organized. Everyone has something they don't like and either can't do or don't enjoy.

As a result, during the design process, the designer comprehends and reinterprets the vital organs of the body as architecture.

▶ If human learning were simply understood, it would consist of receiving images via the eyes, hearing through hearing, and feeling through various body perceptions. through mouth dialogue, hand exercises, and a variety of combination activities.



◀ This project's initial design was challenging since it was challenging to locate a case study. It flows once the path is understood. There were numerous fundamental incompatibilities

in the first evaluation. Sometimes I consider giving up and trying something simpler, but then it would be over. My mentor, though, pushed me by giving me guidance from both my soul and my mind Up.

until I finally discovered a means to transform the mental vision into a 3D representation of building, which is now one of my most proud creations.





### LIFE

The act of breathing is essential to leisure time. Additionally, the architect described it as a home with two lungs.

For each floor, designed It is made to withstand the wind all day long so that it can fully care for children. A large flower pot is also present to give guests a sense of the hotel's aesthetic appeal.



### PROTECT

The creator noted that safety is provided by ribs, which are utilized to safeguard something's trunk.

Boundary design also describes the project's boundary. It was discovered from the case study that kids frequently circle about, resulting in a cyclical project scope. By modifying the ribs' properties, a path can be made for running, walking, taking in the view, and connecting to various classrooms.



### SUBDIVIDE

The digestive system is a system that breaks down symptoms in accordance with the nutrients' types for simple absorption in the following stage. According to his interests, the designer then saw it as a classroom.

the ability of students to facilitate learning, attempting to permanently lower the classroom in order to keep the slope's level and using the concept of intestinal shape A central stairway connects the apartment building to each classroom. It ties the entire project together.

Each classroom is made to include windows that may be opened so that students can take in the air, light, wind, and sounds of the outside.



### ABSORB

Absorption system: the process of absorbing nutrients into the body for repair. Therefore, it is interpreted as an exhibition space, which will always display works from inside and outside. Inspire and further develop ideas and work.

This area originally had a relatively small slope, making it suitable for display slopes and for children's activities.

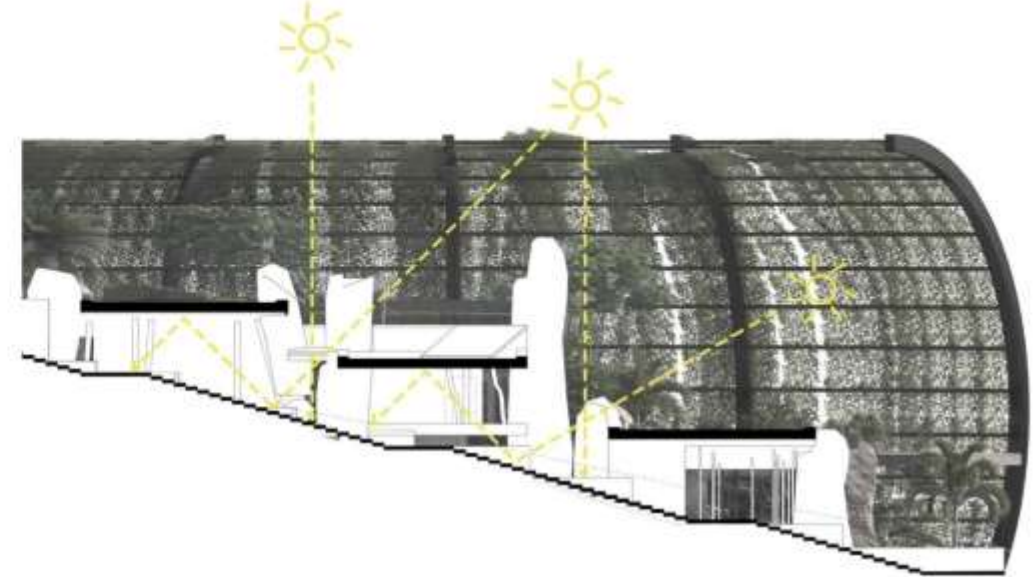
This area will be the connecting point from the front reception building to the main area of the project.



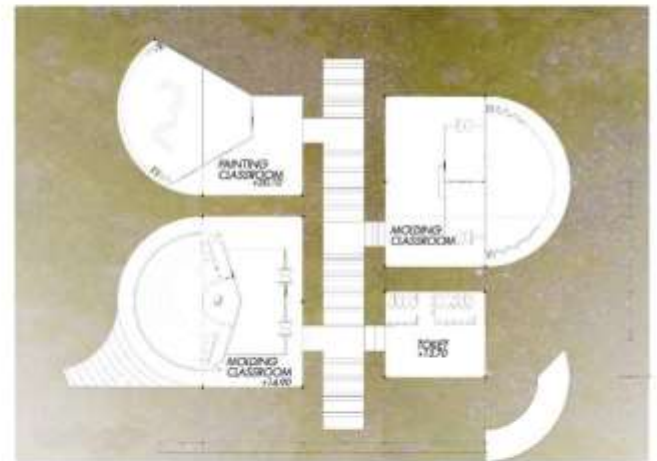
### STRONG

The lower part of the body is designed as the pickup point of the restaurant, as well as various systems supporting the body, including the body and spirit.

This part uses the lap part to be designed with the left side being the system work and the canteen. On the right is a cafe for those who are visiting.



▲ The process of receiving nutrients into the body for repair is called the absorption system. As a result, it is seen as a venue for exhibitions that constantly features both inside and outside works. Motivate and advance creative endeavors. This area used to have a mild slope that was ideal for exhibition slopes and kid-friendly activities. The front reception building will be connected to the project's main area through this space.



▲ In order to preserve the soil and slope of the original location, the enlarged classroom is positioned on the building. There include restrooms, performing classrooms, painting, and sculpture. Through the middle stair link, users can enter the classroom through the adjacent garden, if they wish to rest and feel the nature on the way to school.











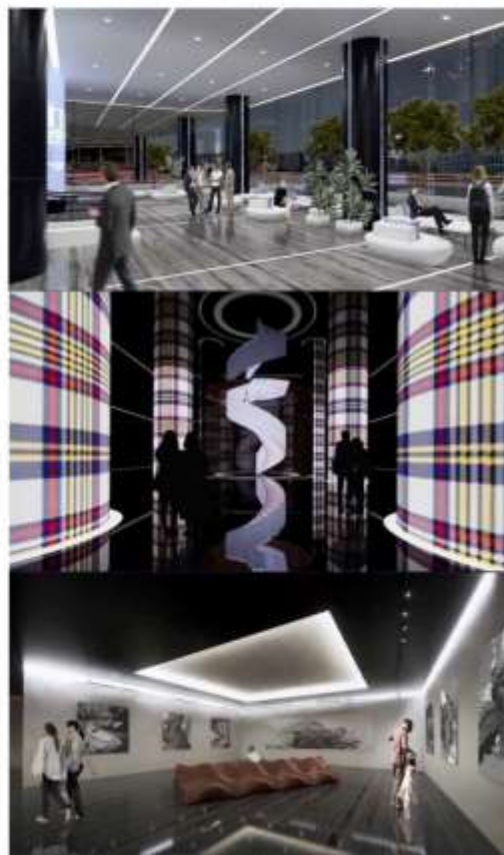
สถาปัตยกรรม



This undertaking is a component of the "Vernacular Architecture" course, which chose for renovation some of the historic structures in Khon Kaen. Our group has settled on a historic home in the Lak Muang region.

Previously a commercial district, it is now rather sluggish. The first structure we settled on was conventional. The major material of the building is wood. When I went to investigate, I discovered that the most of them were in decent shape. The space can be reused with a minor renovation. There is also a space behind it that can be expanded into a kitchen garden.

Therefore, the architects used the original architectural plan to build a hotel in the back while transforming the original restaurant into a fine dining establishment with a family cooking kitchen. To maintain the warmth of the original ambience and to make the space flow.



The idea for the project came from a group of designers who sought to establish a new meeting spot in Khon Kaen. Thus, they declared and came to the conclusion that they would generate a number. Restaurants, libraries, coworking spaces, meeting spaces, outdoor areas, and other rental spaces are all offered by Art Center.

The Pixel concept was then developed by the designers to represent accessibility and pleasure. Following the conclusion, we looked into the project's viability, legality, and other pertinent issues. The designers then proposed the concept of a large-scale partition combination and came to a decision as to which choices to develop and divide into several segments. Utilize your skills to find information, then blend it to speech.

I am in charge of creating the library's physical layout, the exhibition area's walkway, and the building's upper portion's aesthetic.



The designers want to provide the region more green space and create a healing, transferring, and relieving ambience.

via the beauty of the surroundings. Given that the project's location is close to a railway station, we use this as one of the project's selling features. When outsiders are allowed to enter the development, planners build a thriving neighborhood that offers greater room and revenue.

We outlined this concept and then conducted separate searches for legal data, system requirements, and hospital management system. In order to comprehend and advance. Concept Mass, Rehabilitation, Wellness, Treatment, and several of the project's landscape areas play a responsible role. making a presentation video for the section, for examples.





# 07

## Andaman Pavilion

Location: World expo 2020, Dubai



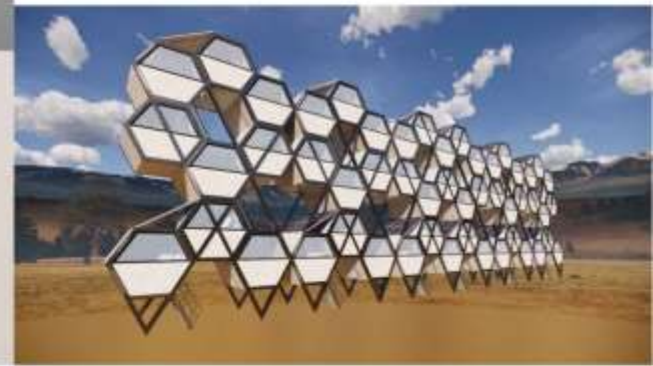
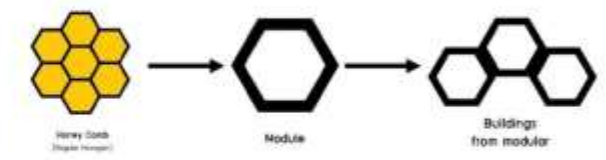
Forests in suburbs contribute to the environment, ecology, and economy. The situation in the impacted areas is improving steadily as different scales emerge. People are coping with water issues and adjusting to the local climate and surroundings. People in the south must build their homes on each nursery before it collapses since there are 8 wet days and 4 sunny days every week. The materials used to construct the building can endure wind.

It has been decided to adapt the phrases "Mangrove Forest" and "Ruean Thai in the South" in order to highlight the distinctive characteristics of this group of provinces. It is intended to evoke the experience of strolling through a mangrove forest, able to acknowledge the Thai people's existence before they managed to survive and pass on their knowledge

# 08

## Flood Shelter

Location: Ubon Ratchathani, Thailand



Project for temporary accommodation to help those who lost their homes to flooding. As a result, the honeycomb was chosen as the design's inspiration.

because of how easily things can be produced, transported, and sorted This piece was chosen for the "Mudman" show at the No. 62 Isan Architects' Fair in Khon Khan Khan's Central Square in Khon Kaen.





## OUTSOURCE

DESIGN + 3D RENDER, SINGLE PROJECT

It is a piece of work that has been passed down from seniors who were familiar with designing interiors and exteriors of gold shops in order to create 3D depictions of them.

For quick and easy design, designers utilize the Sketchup program, and for creation and practice, they use the Vray rendering program.



## OUTSOURCE

DESIGN + 3D RENDER, GROUP PROJECT

This is the first piece of work to speak with the project owner directly. The proposal has the existing structures on the property. It will be converted into a coffee shop, and the employer plans to cultivate organic veggies to sell to interested parties.

Following the debate, the designer and his companions traveled to the survey area to gather data on historical structures, tree distances, regional boundaries, and the immediate surroundings. After gathering the data, we divided the tasks of 3D analysis, design, and development.

Sketchup was used to design this project, which was then developed further using the Revit program for use in construction drawings and rendered by Enscape.



## OUTSOURCE

DESIGN + 3D RENDER, SINGLE PROJECT

The photo of a content Isaan It is missing a crucial component like "Bitter clams," which provides food for many people to grow. So, the idea of attempting to live in harmony with nature was combined with the shell's distinctive shape to inspire a piece of art. Choosing a chicken coop for regional crafts that are available at home It is composed of bamboo, making it simple to locate workers to complete the task. Additionally, it offers resources that do not further devastate the globe.



## BOONBOON

CAFE HOPPING DAY  
CONTENT CREATOR + COORDINATION + EVENT

Was contacted by the team that organized the hackathon work to be responsible for bringing merit. cat robot picking up trash Going out to various events to think about various activities Let people get to know more.

From this work, I learned about another form of work. Another field. I learned more about people. Coordination planning. Management budget. Ministry of Foreign Affairs



## ARCHITECTURE : SCULPTURE

Studying in the Faculty of Architecture for 3 years, many times the image in the head is what determines the direction of the works. Without taking into account the "Function" inside first As many friends do, or as Frank Lloyd Wright said, "Form follows function." But sometimes I think first. What effect will my "Form" have on the people who see it? This is similar to creating a "Sculpture" that is creating or venting emotions through the work to those who see it. Therefore, it is the starting point for wanting to understand between "Architecture" and "Sculpture"

*"Sculpturality is a property that much architecture possesses, but that does not always have to be the essential aim of the design process, architecture can be pure sculpture only in a borderline."*

Werner Sewing (Architecture : Sculpture)



## INSTAGRAMMABLE ARCHITECTURE

"Instagram Culture" or "Instagramable" is a popular photo sharing application. Until it became a global culture with 800 million users, more than 60% of whom were millennials. This will lead to the behavior of walking around, and you will like to take photos on Instagram, which has prompted the invention of a new word to call the things we take photos, that is, "Instagram can". The name from the "Instagram" application collides with the verb "able", which literally translates as "can be photographed on Instagram." Many times, this word (or perhaps Instagram is worth) means "a place or attraction worth showing off on social media"