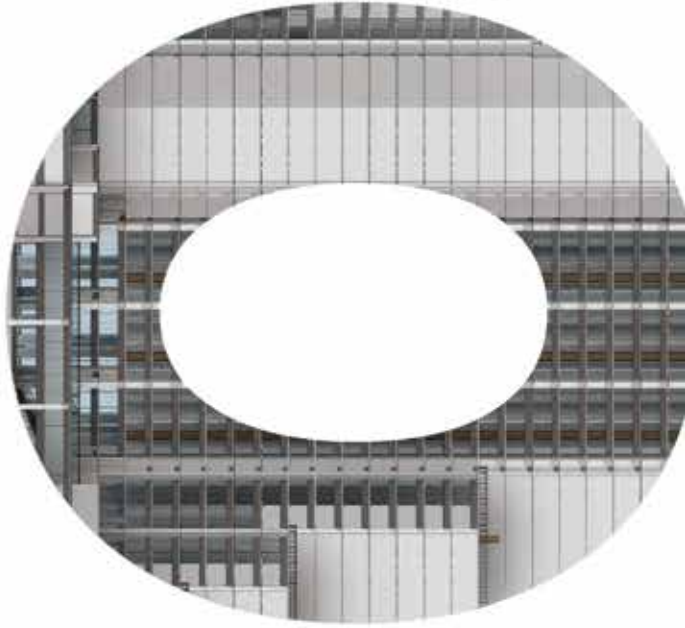


PANON
SOOKSOMPONG





Panon Sooksompong

(Hong)

Contact

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- Phone ; +8894-556-4405
- E-mail ; hongpanon@gmail.com
- Facebook ; Panon Sooksompong
- Instagram ; hongpanon

Academic Background

- Primary and Secondary School ; Bangkok Christian College (BCC)
- Bachelor's degree ; Architecture Faculty, School of Architecture and Design (SoA+D), King Mongkut's University of Technology Thonburi, Thailand

Practice Experience












- Internship at **Arsomsilp Community and Environment Architect** (2018)
- Internship at **Duangrit Bunnag Architect Limited (DBALP)** for one month (2017)

Achievements

- KMUTT Full scholarship student
- First Class Honors
- Graduated with highest GPA in Architecture Program
- Highest GPA two semesters consecutively (Bronze Medal)
- Exhibited Works
 - "PING" Third year project in 'Out of Sight 2017' exhibition at KX Learning Center.
 - "Temple of ATTA" ourth year project in 'Out of sight 2018' exhibition at KX learning Center.
 - "Chonburi Coral Restoration and Learning Center" Thesis Project at Architecture Thesis Show 2019 'NOWADAYS' at Bangkok Art and Culture Centre (BACC)
 - "Chonburi Coral Restoration and Learning Center" Thesis Project was 1 of 12 selected Thesis Work to be exhibited at the university's thesis showroom
- Coordinator ; lecture "Alumni Talk 2017"
- Coordinator ; Art Walker Exhibition 2016
- Teacher Assistant (TA) ; for History of Art and Design Subject at SoA+D
- Participated in the **Architectural Workshop** with **Kyoto Institute of Technology (KIT)** at Bangkok, Thailand
- Participated in the **Architecture x Energy workshop** with **Keio University** at Tokyo, Japan

Proficiency

Software

 low ●●● high MSO	 ●●○ Photoshop	 ●●● Illustrator
 ●●○ SketchUp	 ●●● Autocad	 ●●○ Revit
 ●●● Rhino	 ●●○ Grasshopper	 ●●○ Twinmotion
 ●●○ Vray	 ●●○ 3ds Max	

Language Proficiency

TH Thai (Native)	EN English (TOEIC 965)
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I'm a graduate architect from School of Architecture and Design (SoA+D), King Mongkut's University of Technology Thonburi, Thailand. Full scholarship since enrolled into the university never stop me from pushing myself in every project. I'm an active learner, I love to exchange ideas and sharing different perspectives. Hence, I'm passionate for working in a team, share what I have, and open for new things

Sustainable design and green architecture always entice me. I'm also interested in tropical architecture. When I was working as an intern architect for Arsomsilp Community and Environmental Architect in Thailand, I learned the essence of designing with context and environment. The architecture should blend in with the surroundings and community it situated. I always dreamed of working oversea. That's the reason I chose to enroll in an international university. Working in an international environment with professionals have been what I strived for.

C O N T E N T



I. Chonburi Coral Restoration and Learning Center ;
Thesis Project

1 - 1



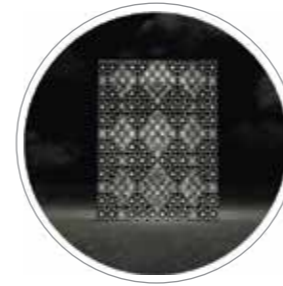
V. Is It a Museum? ;
Third Year Studio

5 - 1



II. Riverside Five Star Hotel ;
Fourth Year Studio

2 - 1



VI. Temple of Atta (Temple of Self) ;
Third Year Studio

6 - 1



III. Kiriwong Wildlife and Environmental Center ;
Fourth Year Studio

3 - 1



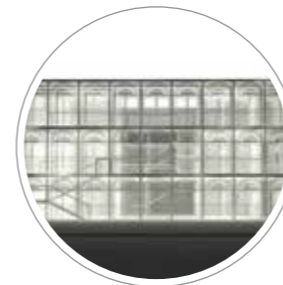
VII. The House at Pooh Corner ;
Second Year

7 - 1



IV. PING (Lean Against) ;
Third Year Studio

4 - 1



VIII. Charoenkrung Creative Center ;
Fourth Year

8 - 1



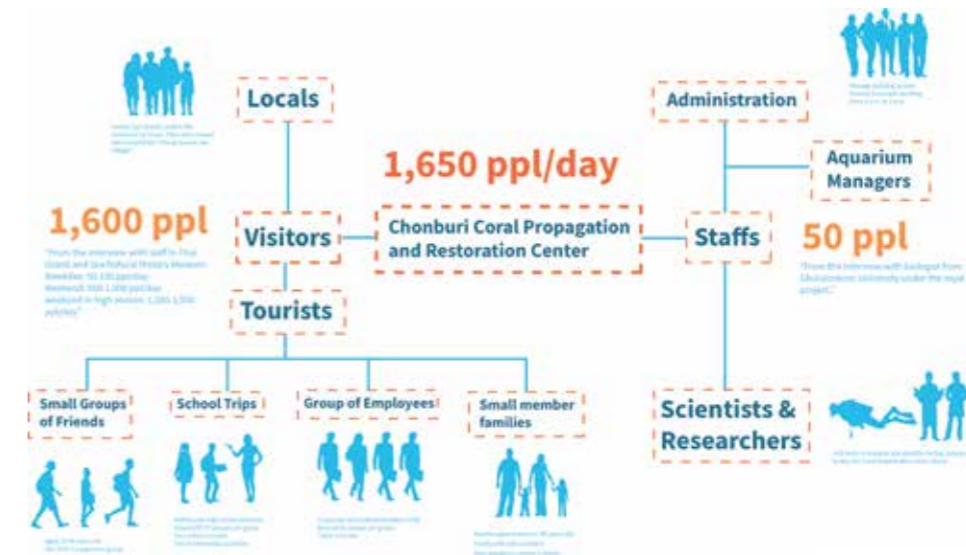
IX. Others ;

9 - 1

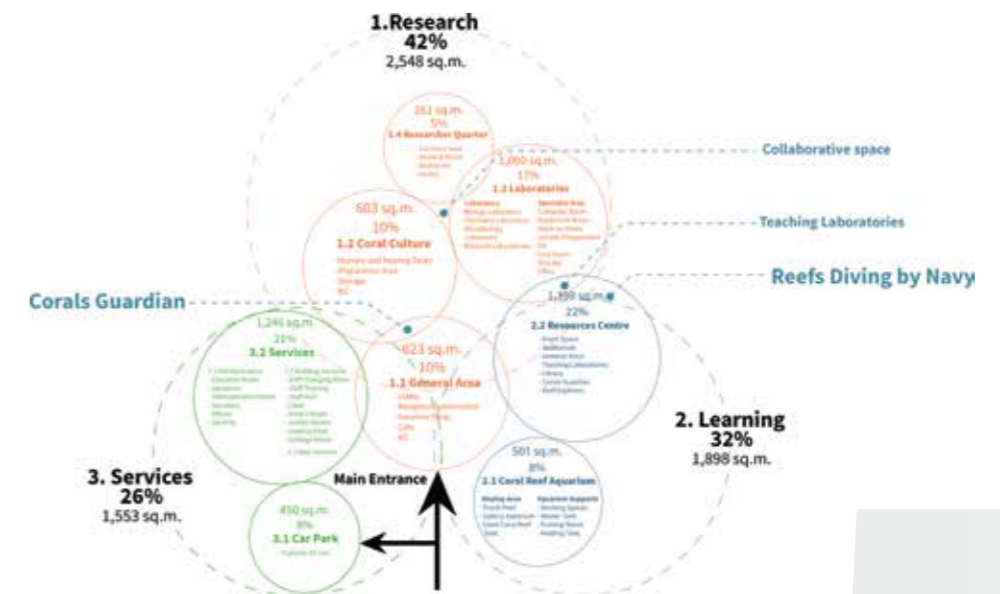
CHONBURI CORAL

Restoration and Learning Center





Project Users



Building Programs

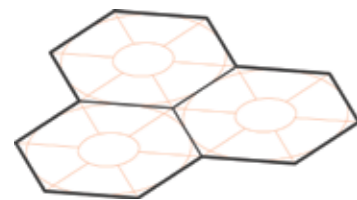
Thesis Project

Plant Genetic Conservation Project under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn (RSPG) aimed to conserve plants species on the Samae San Islands in Chonburi which coral is one of the main section in the project.

There are opportunities to enhance existing context to become a full-cycle coral reefs restoration and learning center for both scientists and visitors. These issues later became rational of programs of the project.

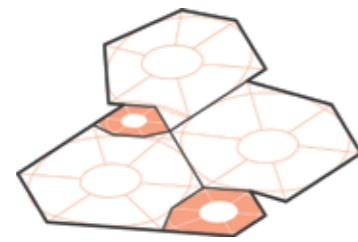
Year

Year



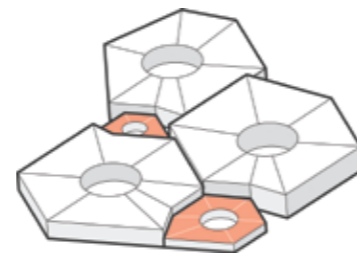
1

Layout geometry based on coral skeleton



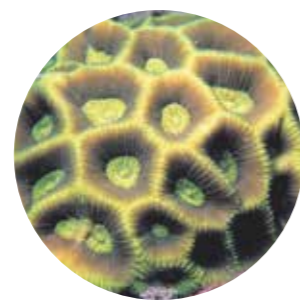
2

Newborn polyps distort existing geometry



3

Create mass and building program



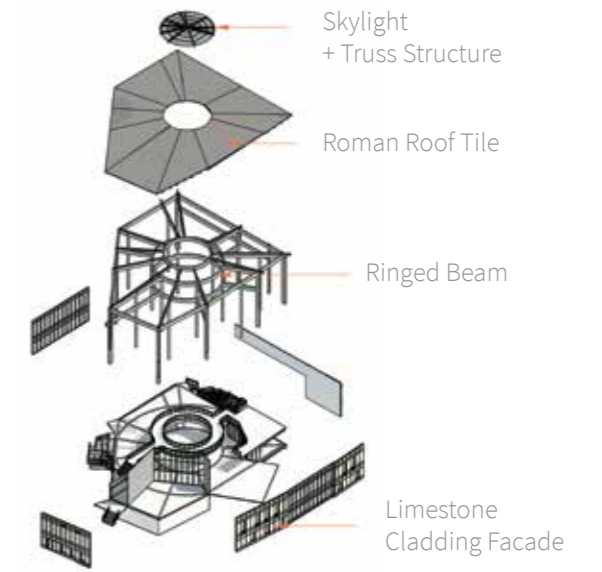
Concept

Coral skeleton has hexagonal shape as base geometry like beehive. However, the way corals grow differs from those of beehive expansion. Unlike beehive that constantly expand from the rim, corals have “growth region” that young coral polyps in those area will constantly generated. As a result, the **newborn polyps will push the older polyps away, creating a distortion of geometry, hence concept ‘Distorted Geometry’**

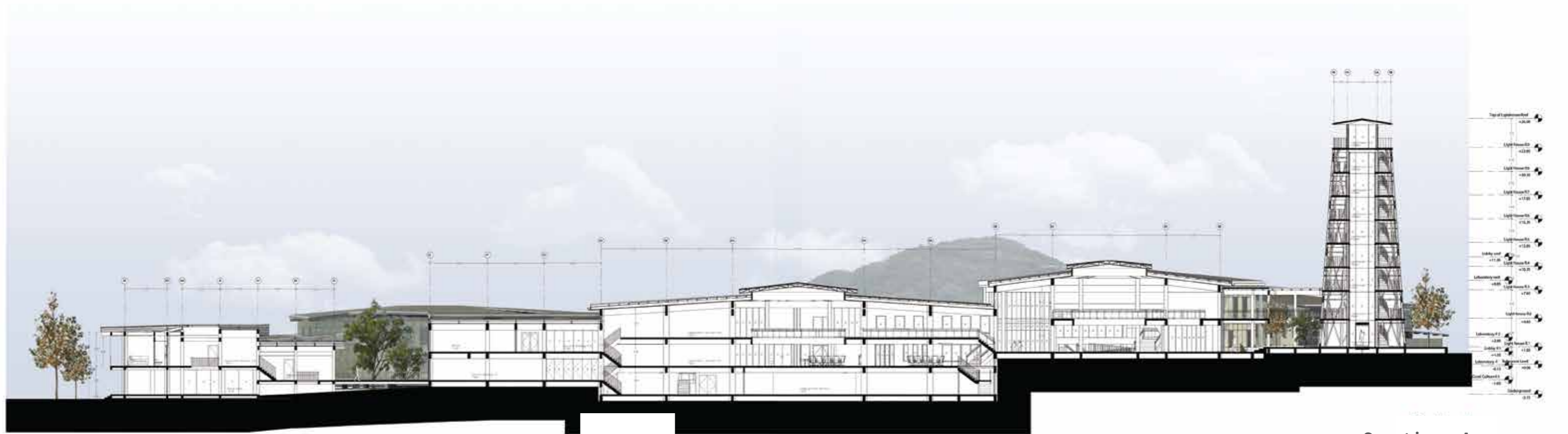
Project Layout

To implement the concept, building mass was **divided into smaller buildings based on the functional relationship**. Entrance was in the middle of the site, surrounded with main and sub programs. The layout of both main programs, research and learning, are spread out, **introduce sea view and Samae San Island into lobby area**.

Meanwhile, both perceives the optimal view at the front of the pond. Resources center and the aquarium are on the west side, connected to public. Researcher Quarters are arranged in the East side of the side which is more private. Toilets acted as small polyps according to the concept that **cause the distortion of the main building mass**.



Structural Diagram



Section A



Chonburi Coral research and restoration center aimed to contribution of the coral propagation and coral reefs research while also distributing knowledge about coral reefs ecosystem through aquarium and learning spaces for visitors .

The Programs of this project are divided into two main zones ;

1. Research Zones

For implementation of corals propagation, coral nursery and laboratories. There will be some areas that are open to the public for education occasionally.

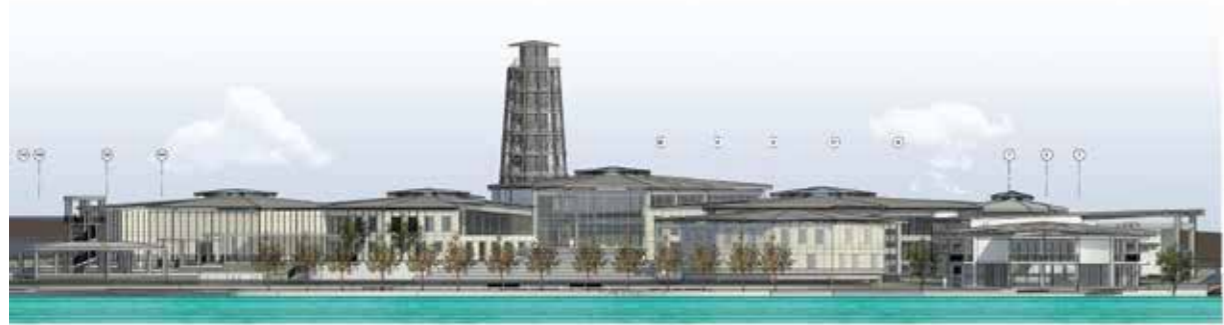
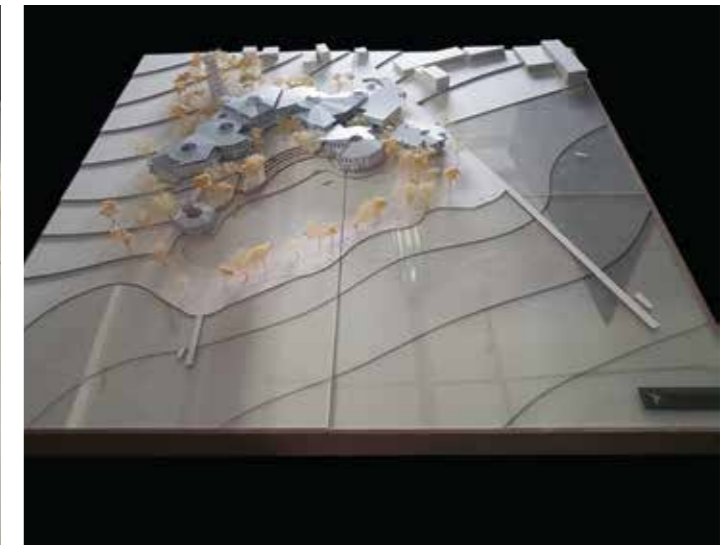
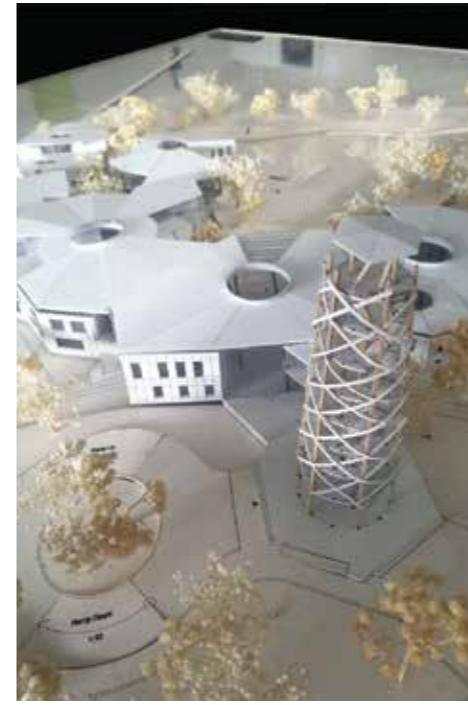
2. Learning Zones

Composed with aquarium and learning spaces for enhancing experiences both in sensuous and intellectual ways.

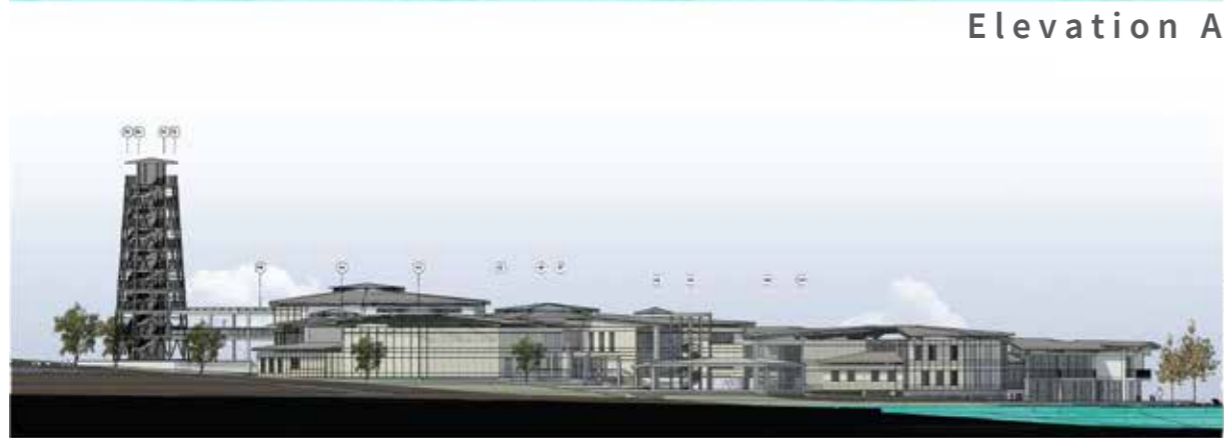
Accordingly, visitors perceive experience while implanted by awareness and knowledge towards coral reefs.



Section B



Elevation A



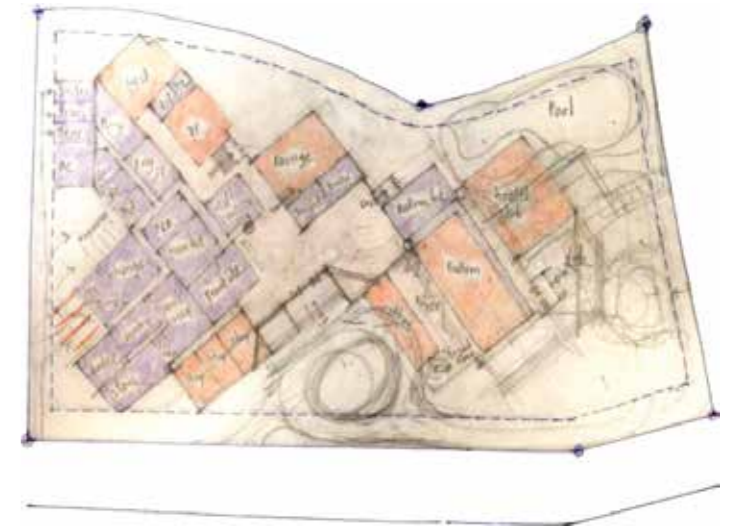
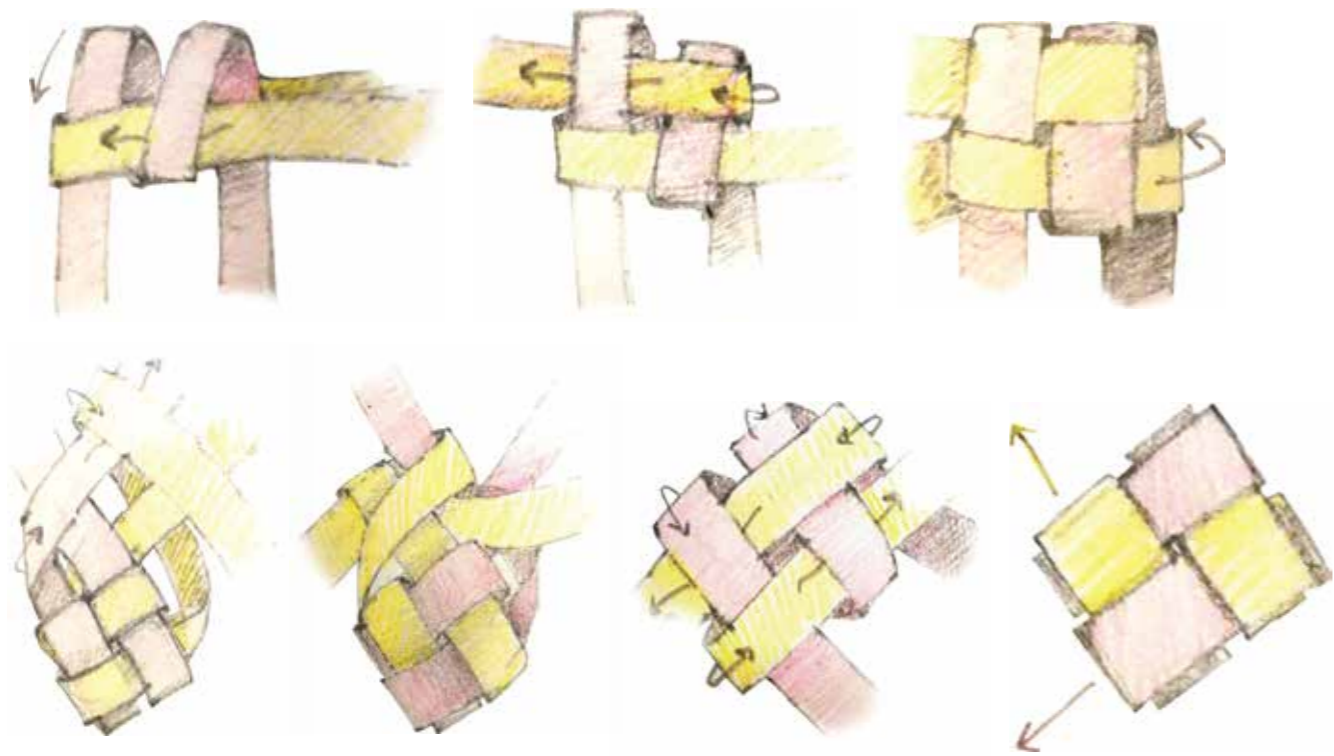
Elevation B



Final Model

RIVERSIDE
FIVE STARS
Hotel





Concept

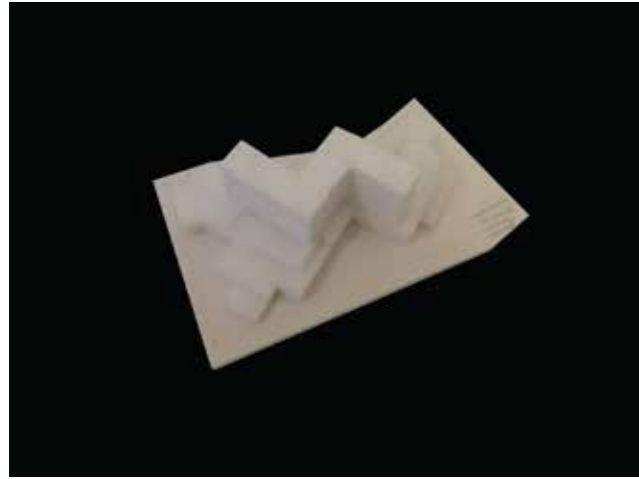
Woven Fish is a traditional handcraft. It is believed that the origin of Woven Fish was from Muslim merchandise who lived near Chao Phraya River. They firstly used the leaf of coconut and palm trees.

Interesting thing about woven fish is how two staid of leaves were woven together. The process was mainly about diagonal fold and insert. As a result the space of the hotel should go along with the concept of **oblique, fold and through.**



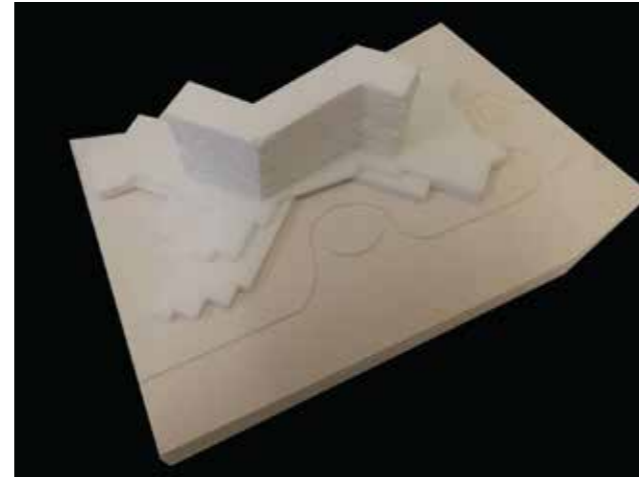
Year **4**

Year **4**



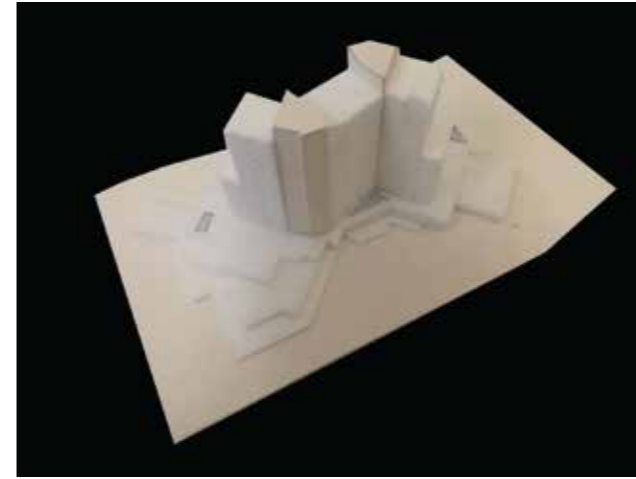
Conceptual Model

Use the notion of weaving as a platform to design the building shape. The tower also derived according to the diagonal grids. This model was selected to be developed.



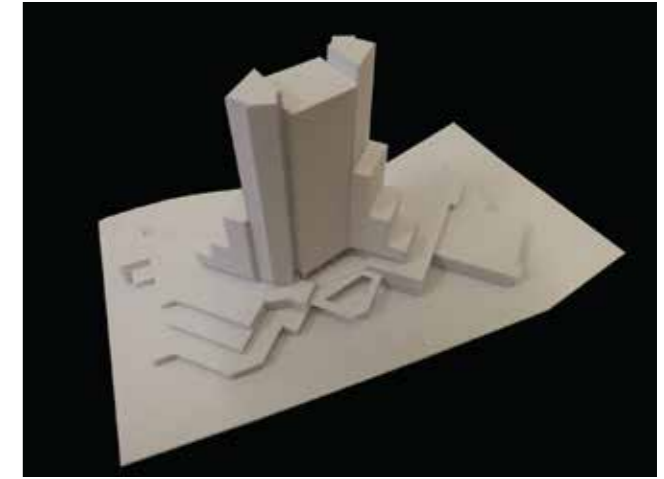
Preliminary Design

In the preliminary stage, the podium plan was arranged. In which, defined a shape of the podium. Landscape and external road were designed.



Development Design

Defined the lift cores. Designed the tower shape as well as refining the podium plans.



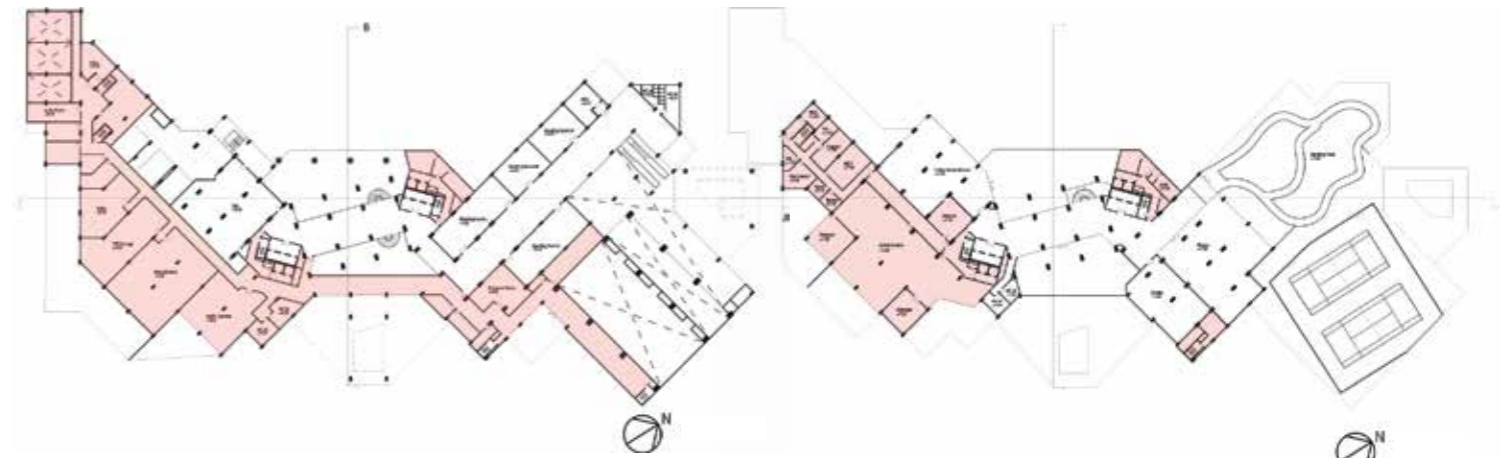
Final Development

Design guest rooms which altered the tower shape. Two Porte Cocheres at the main and sub entrance were designed. The external road was refined as well as the podium plans.

Development Process

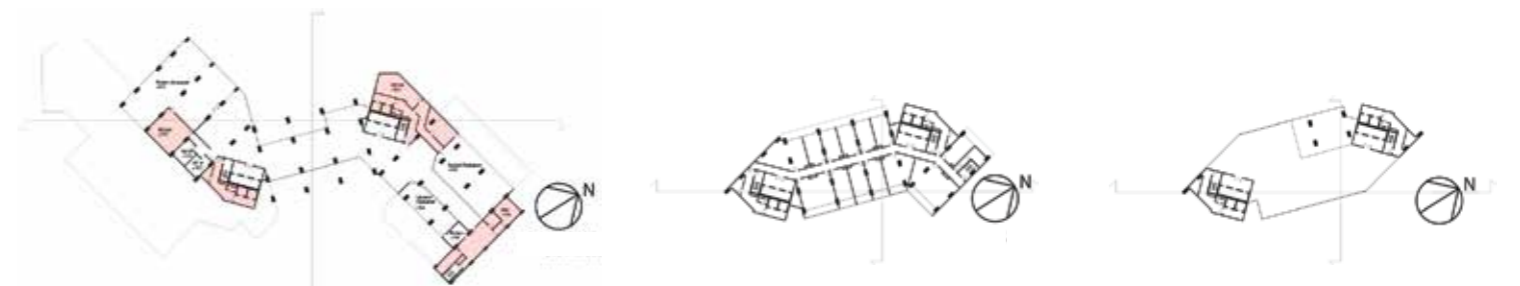



Ground Floor Plan



Second Floor Plan

Third Floor Plan



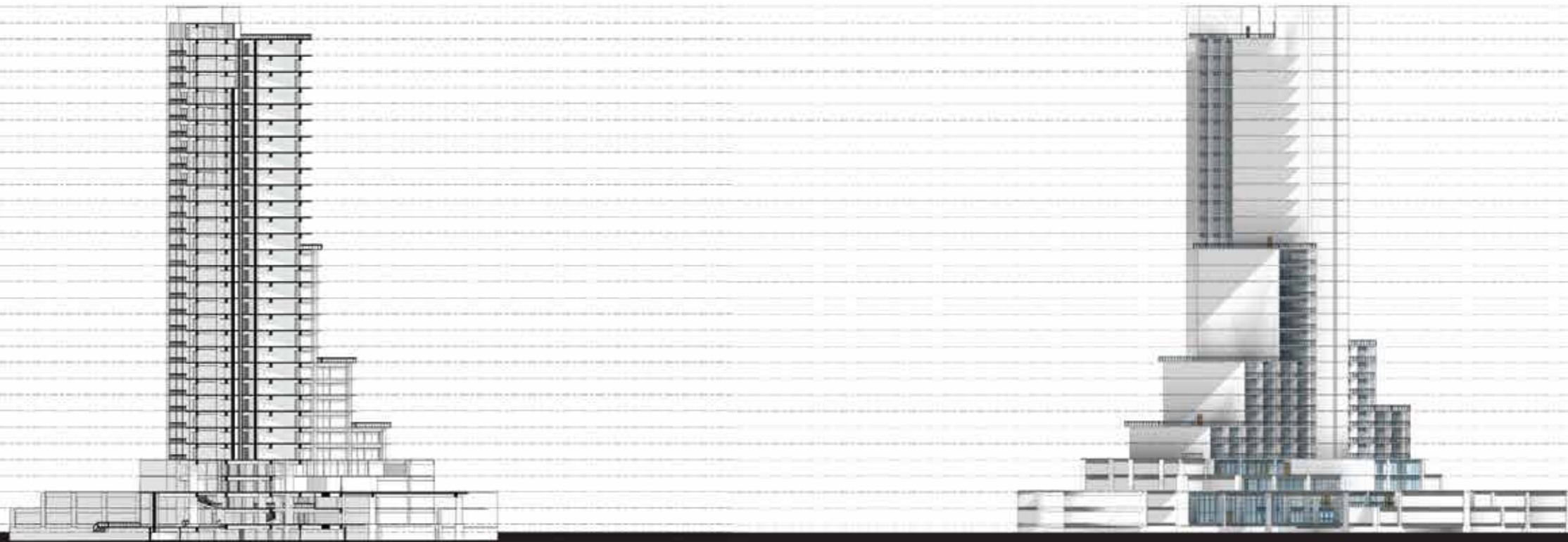
Fourth Floor Plan

19th Floor Plan

31st Floor Plan



Elevation B

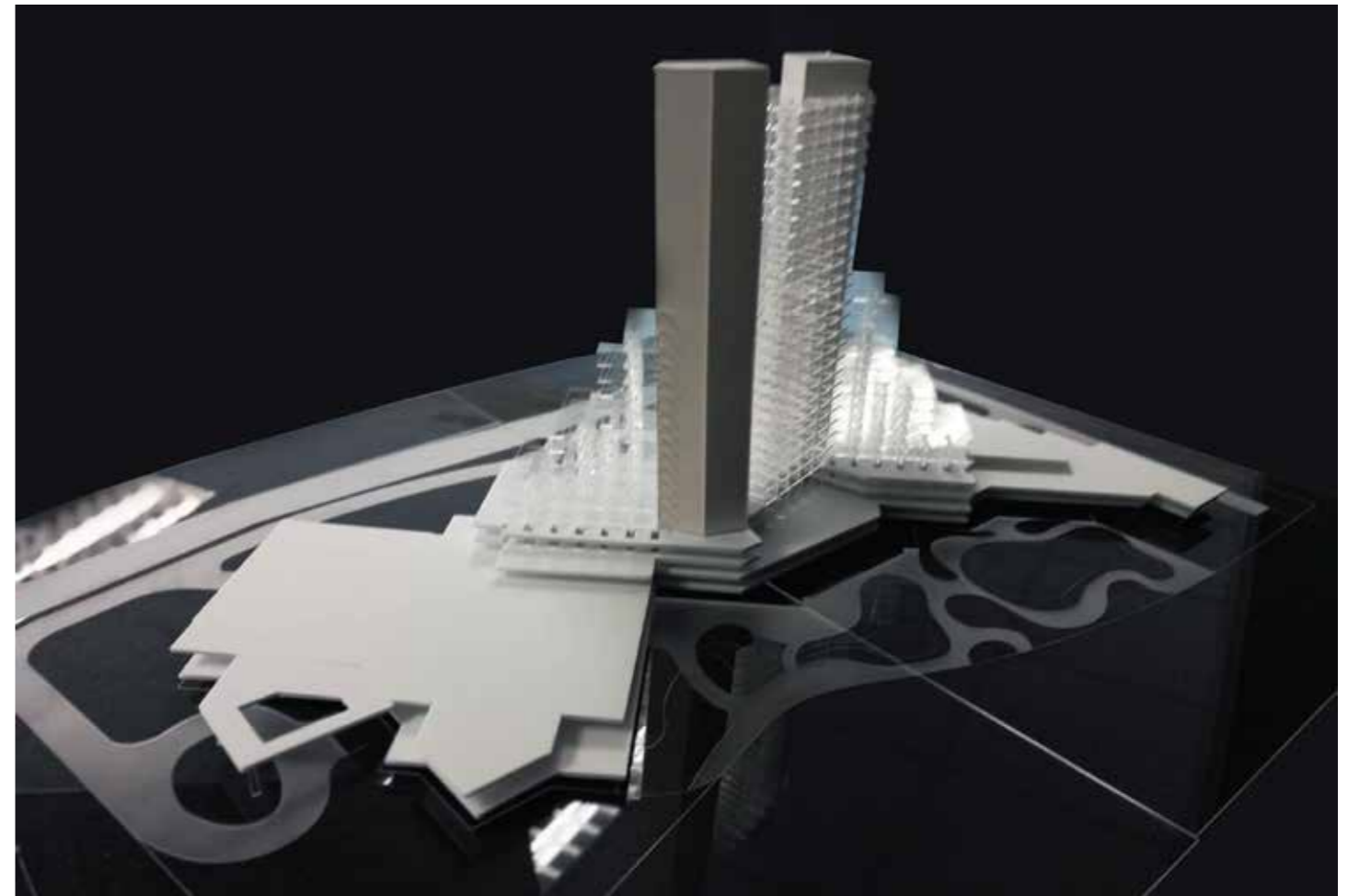


Section A

Elevation C



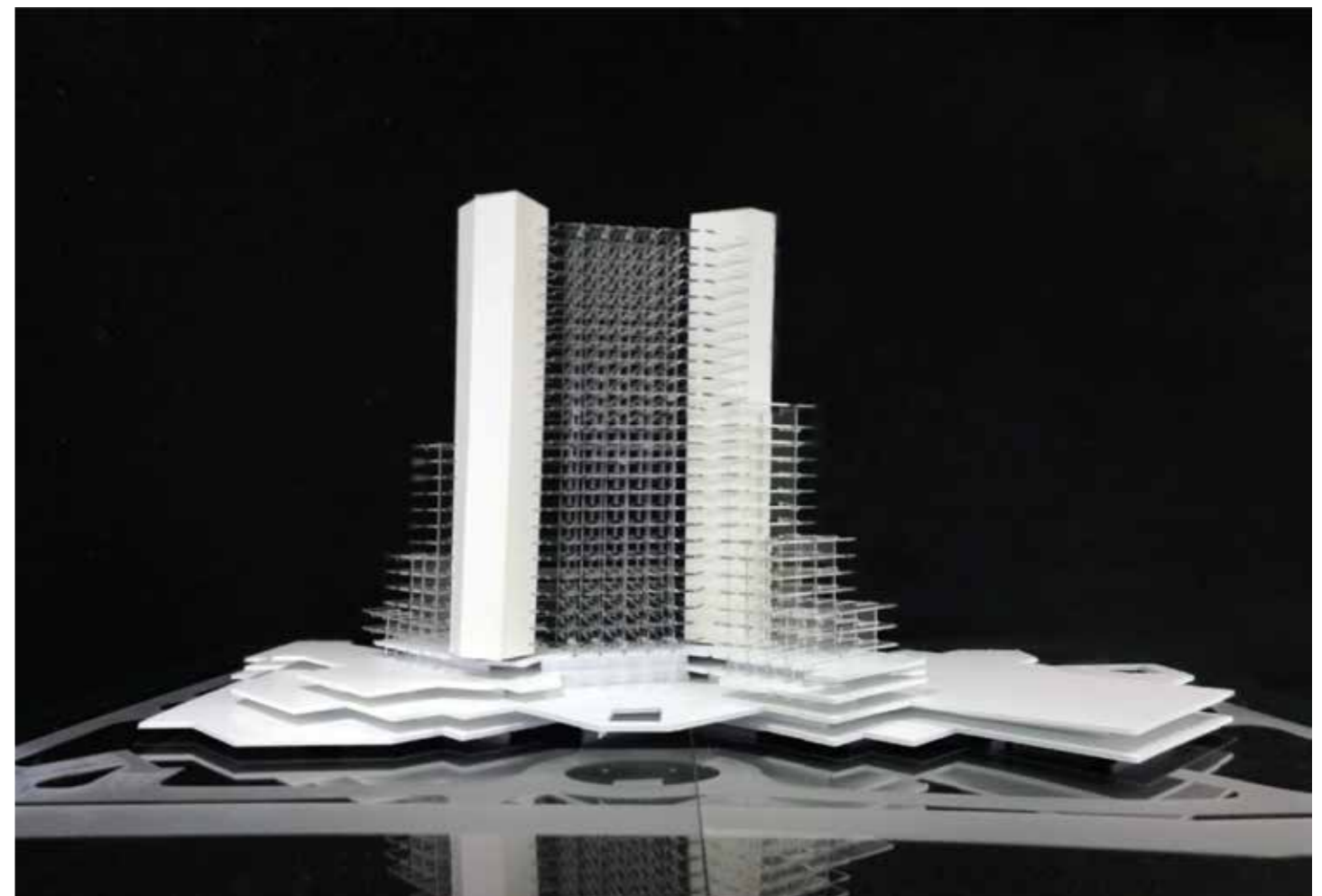
Perspective



Final Model



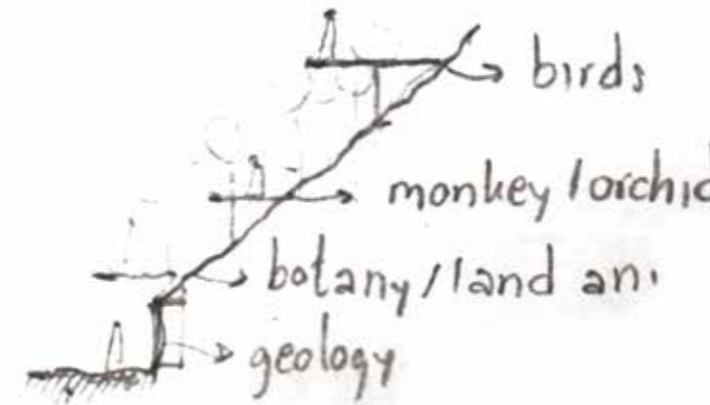
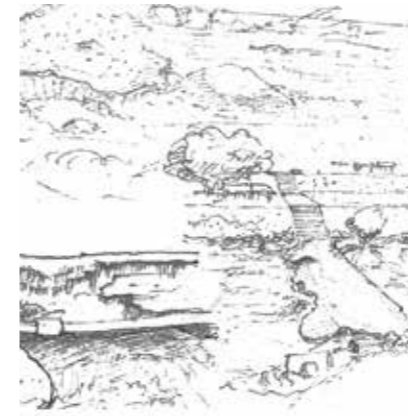
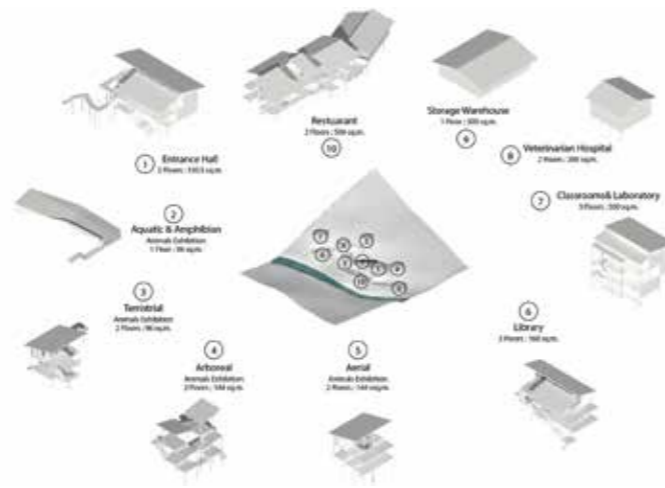
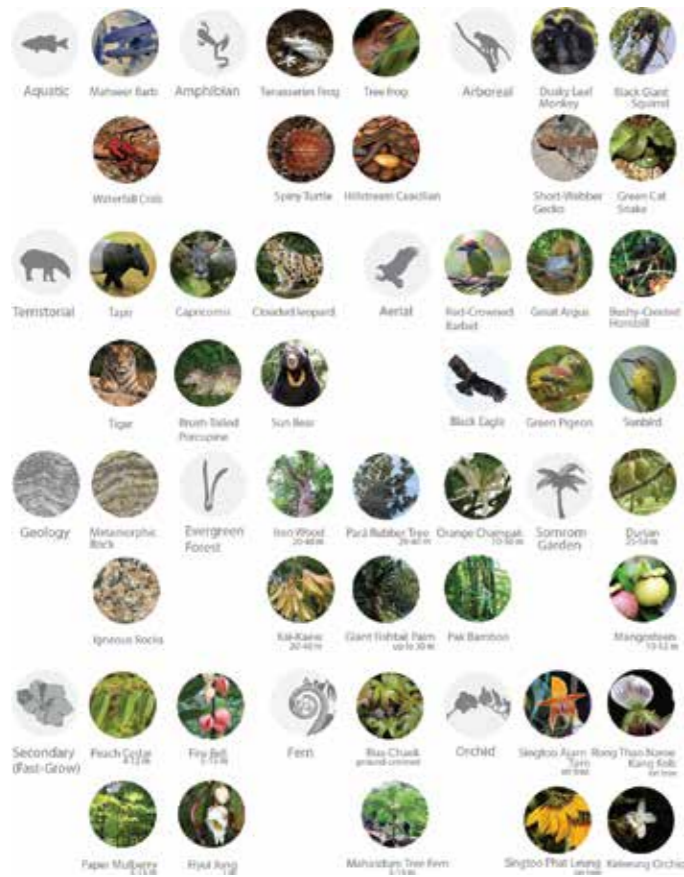
Axonometric View



Final Model



KIRIWONG WILDLIFE and Environmental Center



Context and Program Analysis

Kiriwong, in Southern part of Thailand, was famous from the image of **village situated in the middle of picturesque mountain ranges with crystal clear creeks running through**. Its beautiful natural settings draw thousands of tourists to the site each year.

Kiriwong's Wildlife and Environmental Center would act as an **educational centre for the Tourists, Researchers, and above all, Local people**. The local people had to sustain environment since there was no closing period for the environment to rest and be nourished.

Year

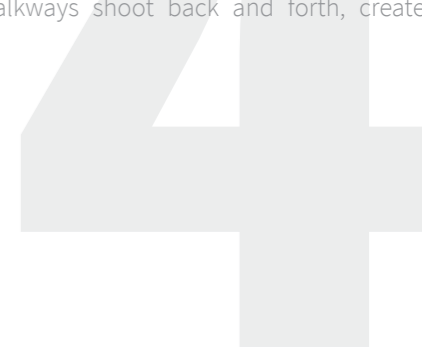


Concept

'Corridor' was depicted as the concept. **The corridors connected each individual programs, knitted platforms on different levels together as if they're one.**

With the steep slope site, problems about contour and levels were turned back into benefits. **Different levels of corridors and platforms were introduced to the design.** Three-dimensional linkage, perplexed walkways shoot back and forth, created

Year





Site Plan

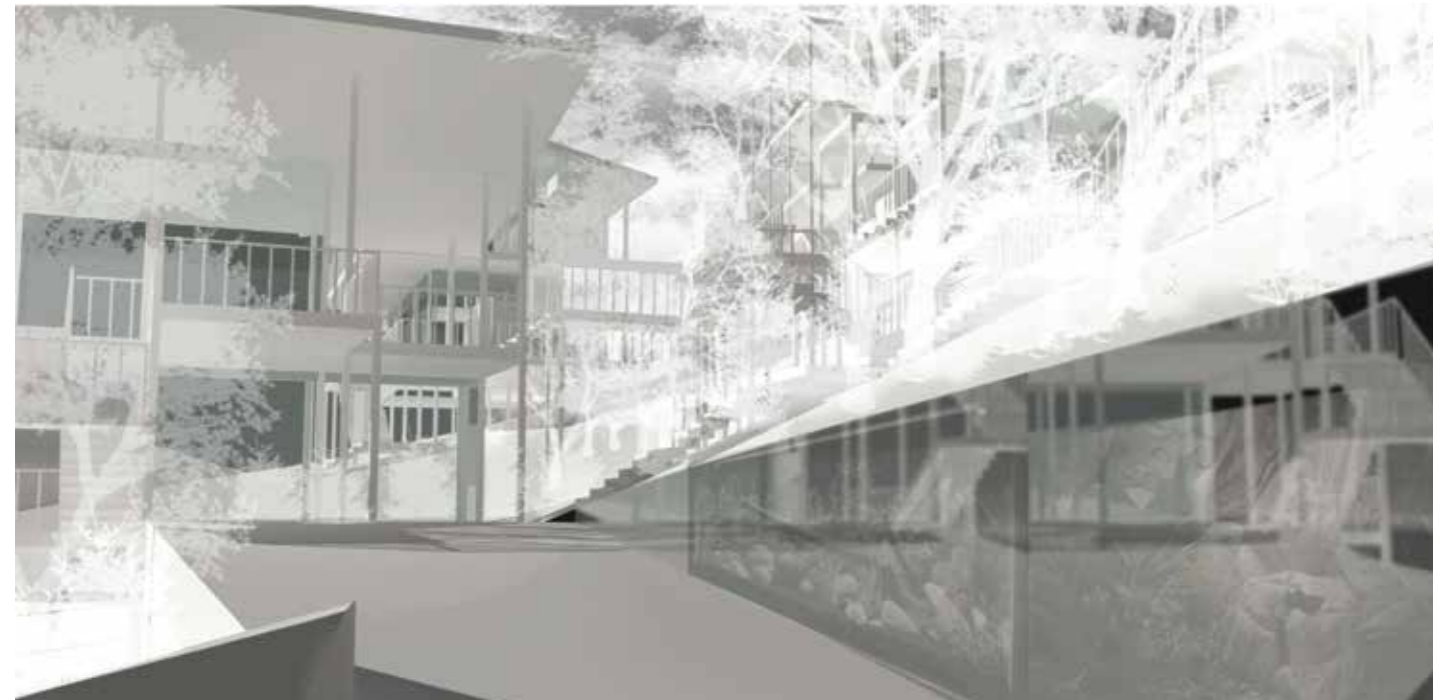


Section A

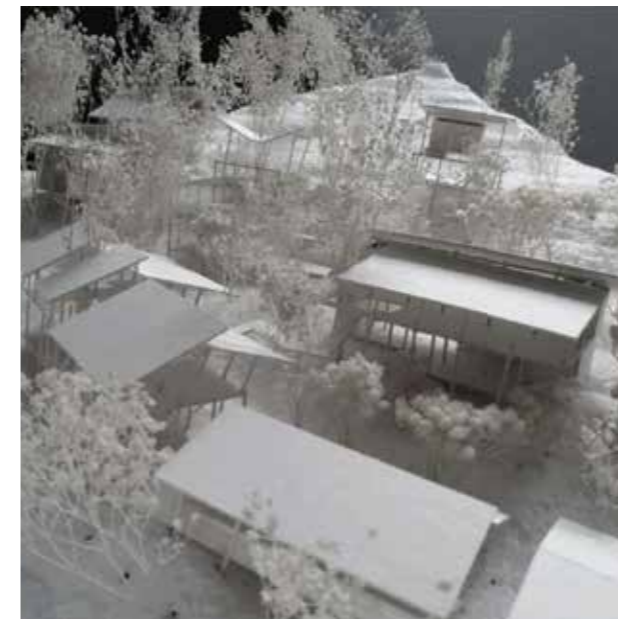


Section B





Perspectives



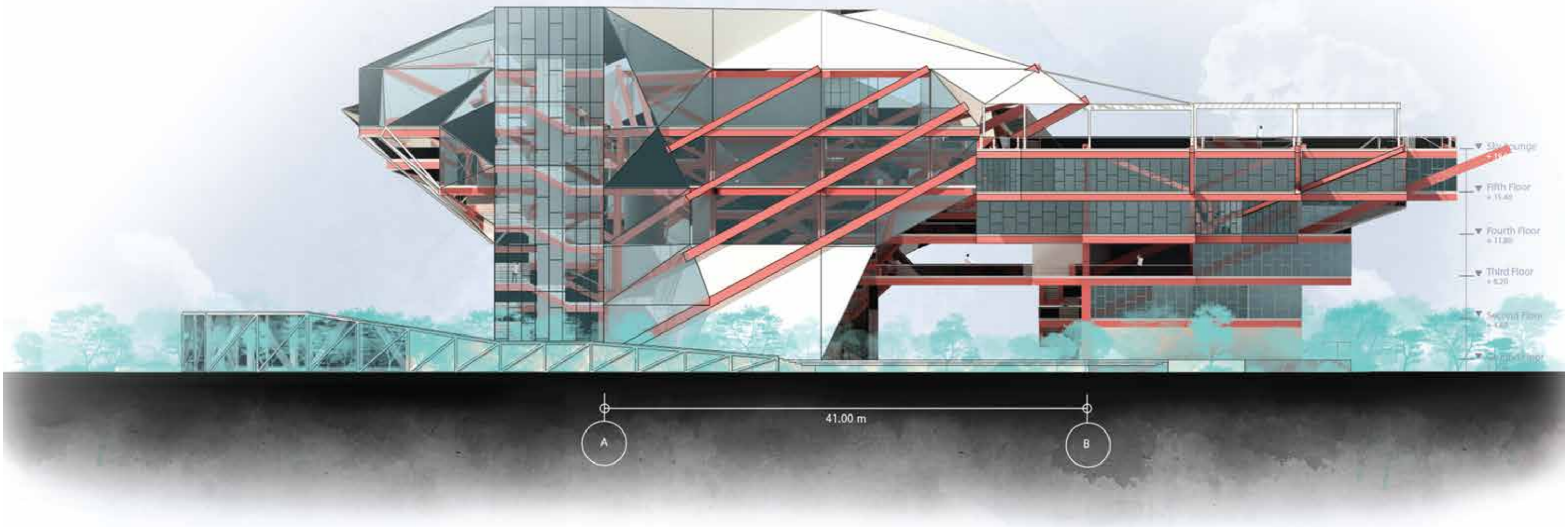
A separated, dispersed mass were pin-pointed and designed according to the very location they're settled in. Each mass was connected by corridors. The corridor knitted programs together while narrated the story of Kiriwong environment.

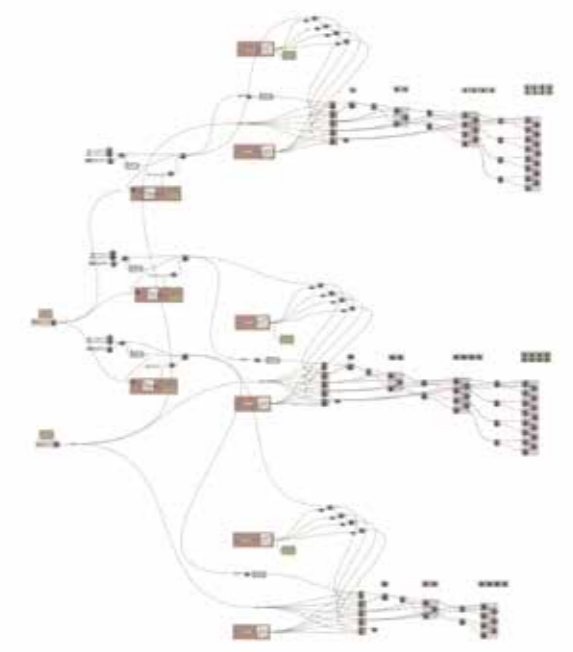
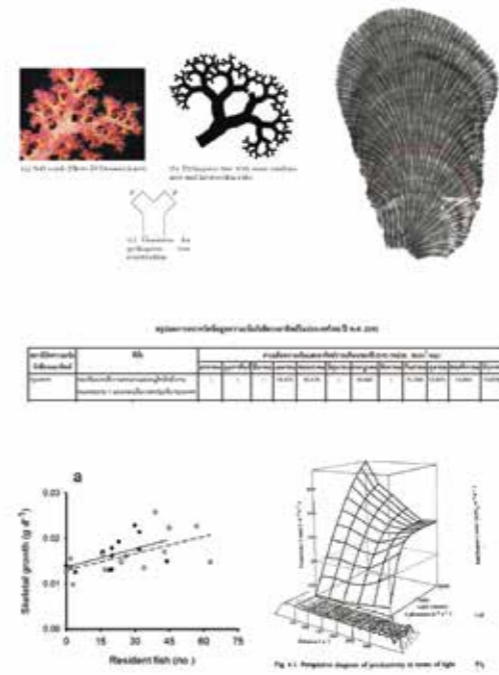
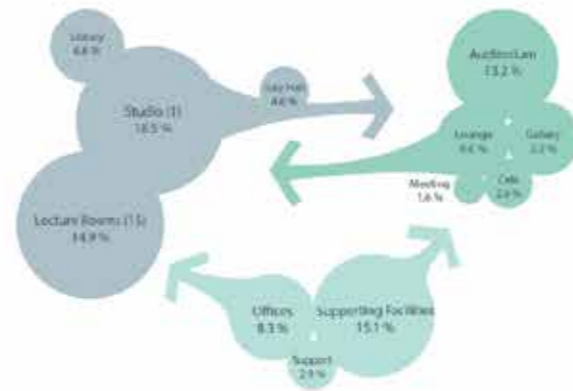
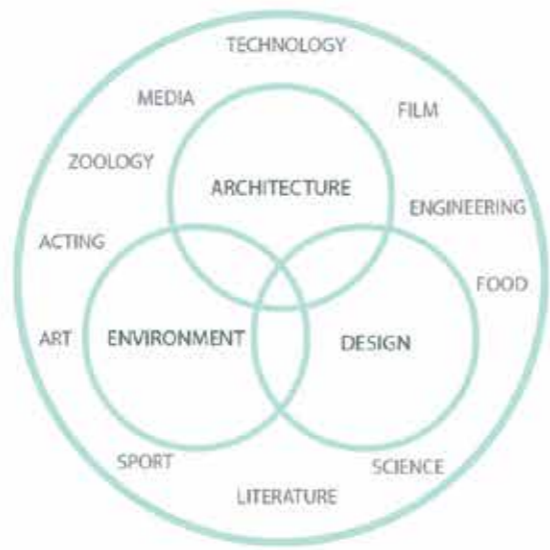
Along the way laid a landscape design together with educational information about particular subject. **For example, when a corridor cut in to the mound, the geological exhibition, ground-covered plant or low-height plant,** and some small wildlife were selected to be exhibited

When visitors reached to highest point, it exceed the tree canopy, revealed beautiful mountain scenario. Also, bird watching programs and bird Taxidermies were show on a that very place

P I N G

(Lean Against)



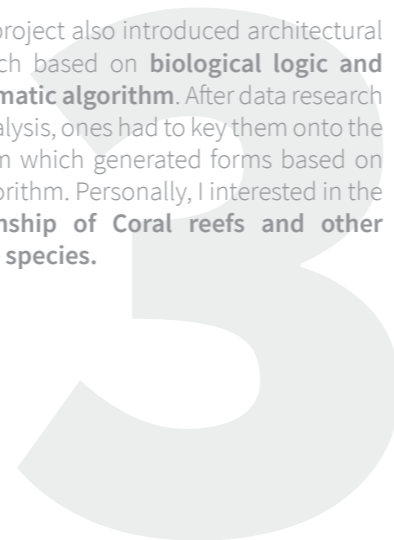


School of Architecture 2030

This project was about the architectural pedagogies, curriculum, and other supporting facilities including learning spaces. How parameters have informed the architecture pedagogies, including structure and content of different curriculum. Moreover, how pedagogies influence the spaces and choices of architectural language.

This project also introduced architectural approach based on **biological logic and mathematic algorithm**. After data research and analysis, ones had to key them onto the platform which generated forms based on the algorithm. Personally, I interested in the **relationship of Coral reefs and other marine species**.

Year

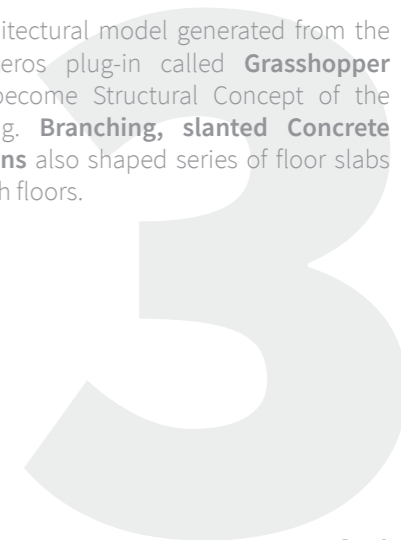


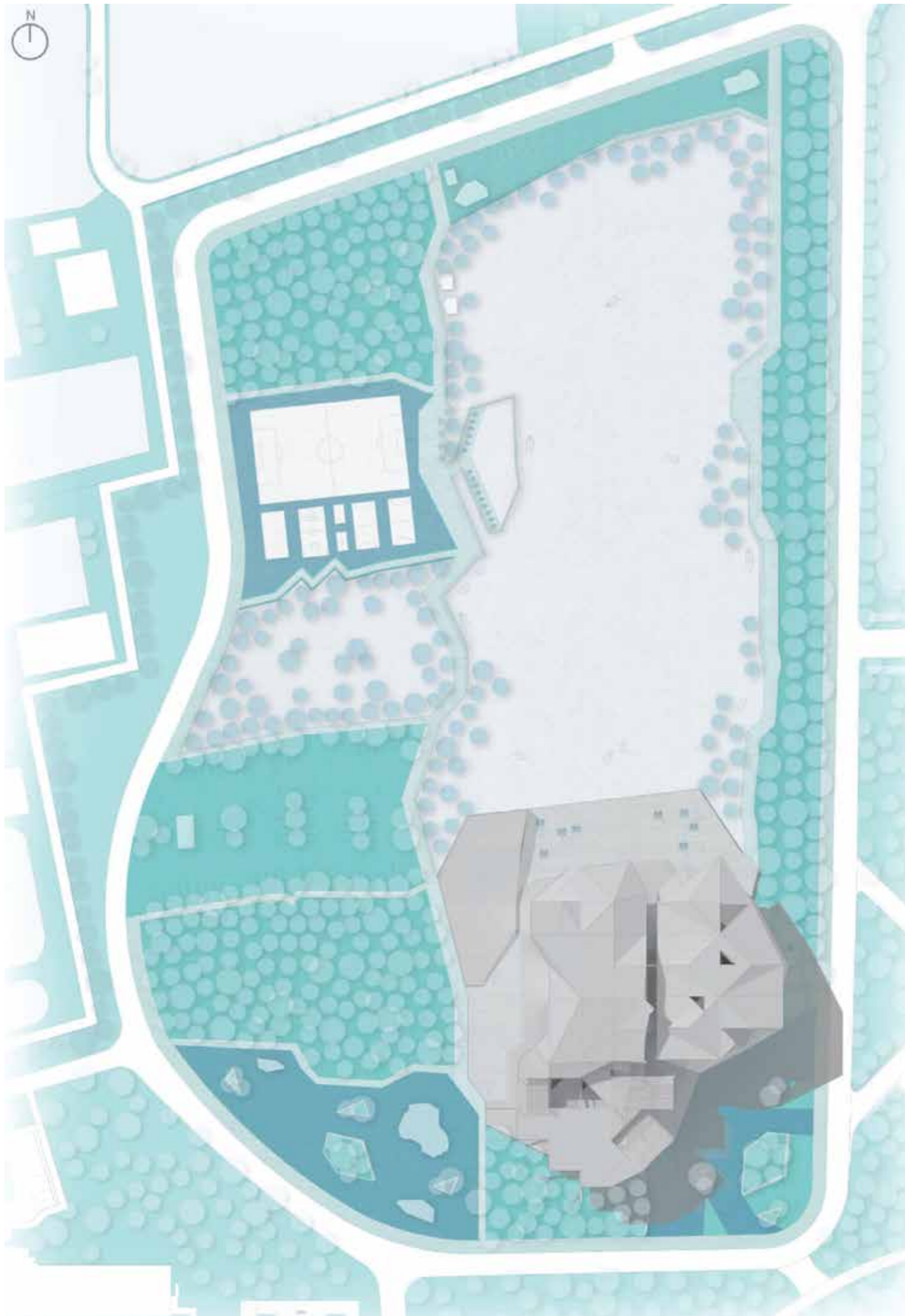
Concept and Parametric Design

Biomimicry was the logic and algorithm that would be used for designing. Coral's growth pattern of coral was selected. It is based on relationship of coral, Algae, and other species. Those factors, with definable data become parameter that affects the growth of coral.

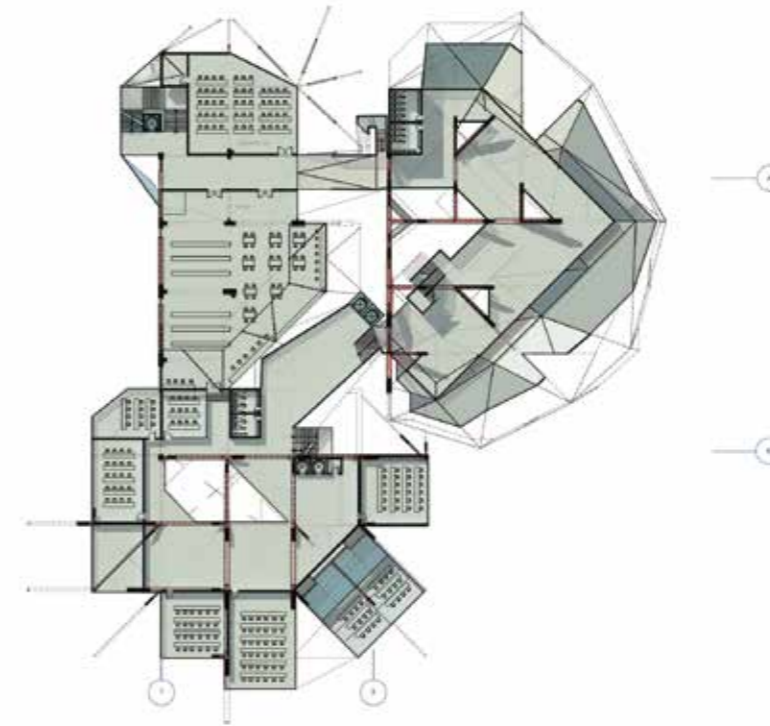
Architectural model generated from the Rhinoceros plug-in called **Grasshopper** then become Structural Concept of the building. **Branching, slanted Concrete Columns** also shaped series of floor slabs on each floors.

Year





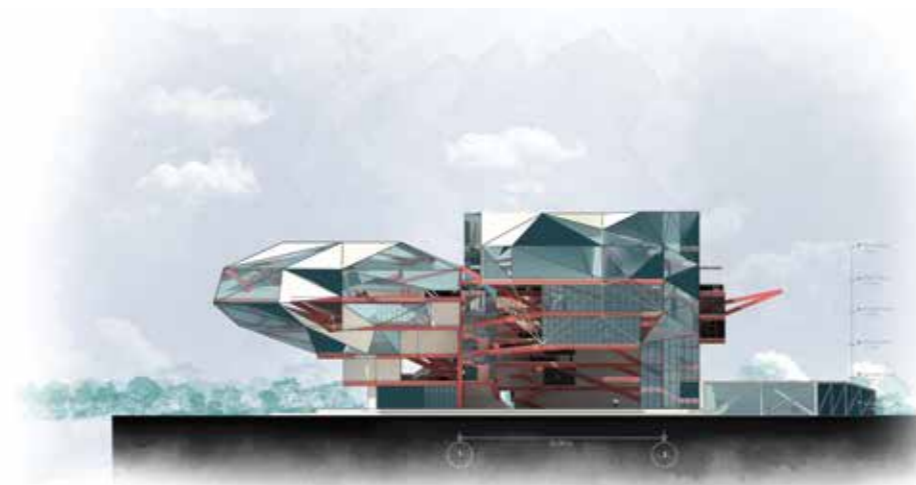
Site Plan



3rd Floor Plan



Structural Diagram



Elevation B



Section B

SoA+D will uplift skills in technology and creativity for Innovative Thinking and implant responsibility to the environment. After they graduate, they will be able to stand in the priority position to bargain while give out their minds for nature. Innovation emerged from combining those two together.

Scholars can choose any subjects they want in KMUTT. The goal is to provide an opportunity for the student to practice in **multidiscipline** which based of innovation.

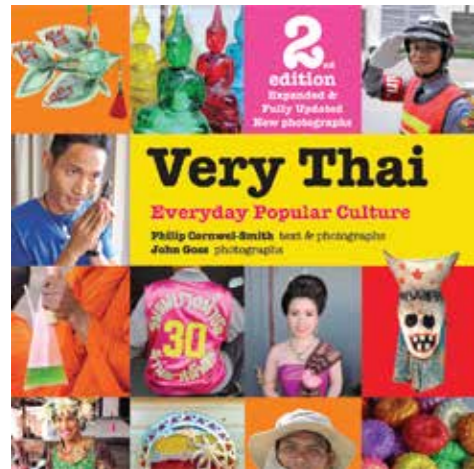
For landscape design, straight lines mimic patch field of surroundings with integration of geometrical outline from the buildings derived into framing for landscape design. There were many elements inside the school area. Strong frames, flexible activities.

From site survey and site analysis, South road and Southeast corner is the most active area with people from different background passing by. The renovation area is limited for least effect on wildlife. Different type of activities would spread throughout the project site.



IS IT A MUSEUM ?





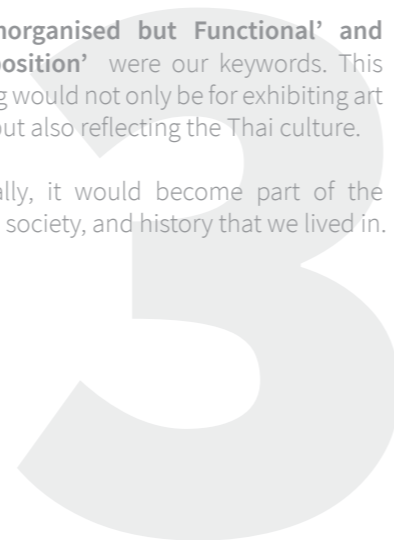
Community, Cultural and Contemporary Art Center,

We were interested in the **meaning of Thai Culture**. After read through the book called 'Very Thai' by Philip Cornwel-Smith, we thought that the way we advertised our country was in a cliché way. Furthermore, a western-style museum cannot reflect characteristic of Thainess. Forms, Function, Organization, and all Elements of our museum had to be mostly influenced by culture and context.

'Unorganised but Functional' and 'Juxtaposition' were our keywords. This building would not only be for exhibiting art works but also reflecting the Thai culture.

Finally, it would become part of the culture, society, and history that we lived in.

Year

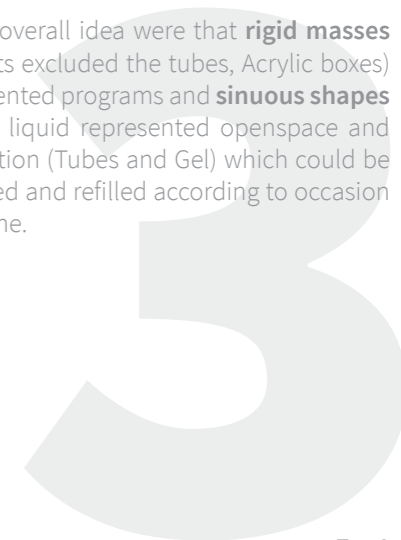


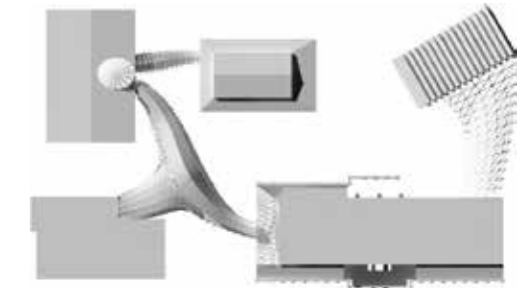
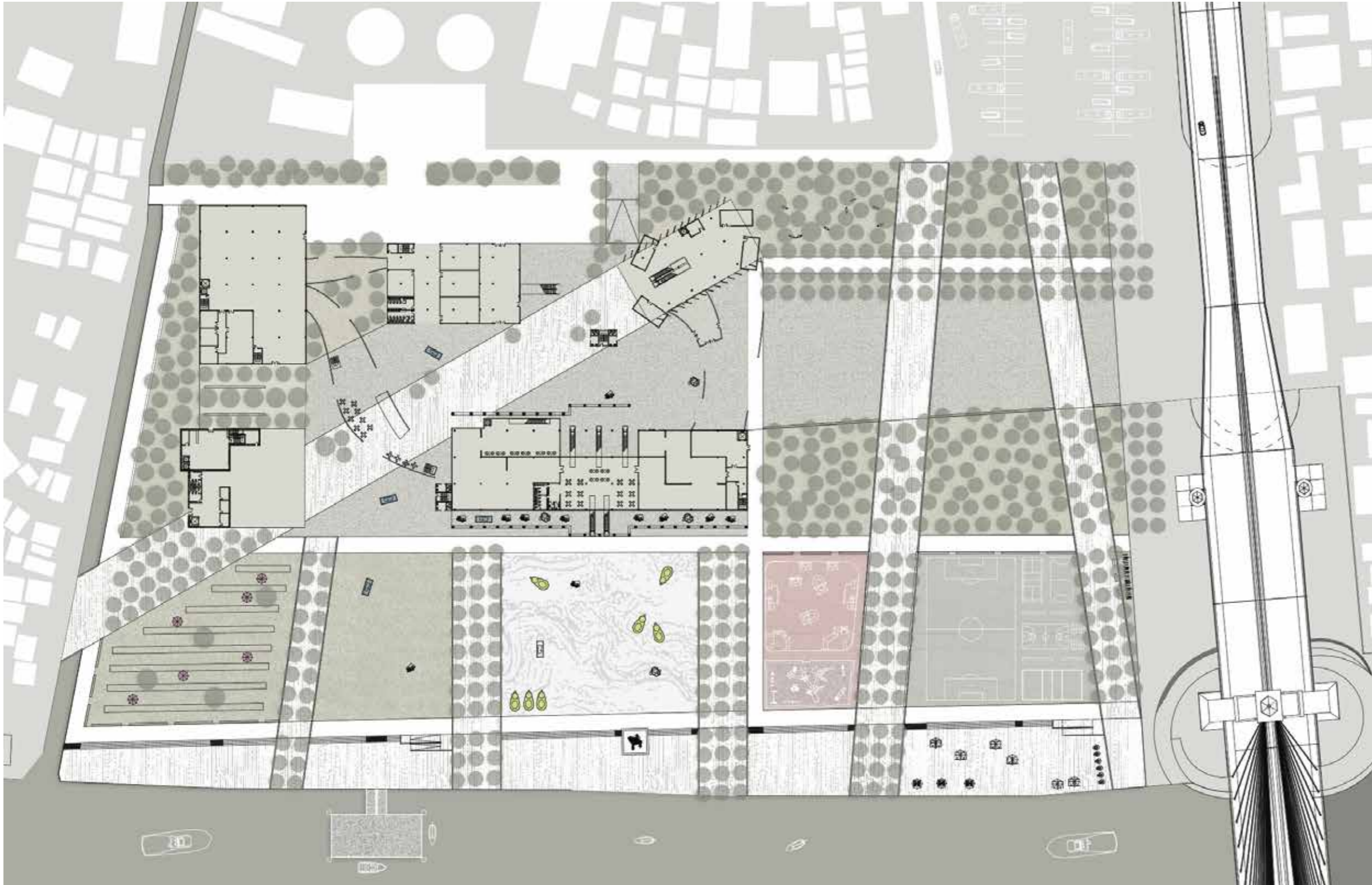
Concept and Development

The conceptual models visualised our idea about the definition of Thai culture. We combined all of the definitions into our works like the unorganized but functional and having fun.

The overall idea were that **rigid masses** (Objects excluded the tubes, Acrylic boxes) represented programs and **sinuous shapes** and/or liquid represented openspace and circulation (Tubes and Gel) which could be adjusted and refilled according to occasion and time.

Year





Building Layout



Building Shell

Diagrid Truss

Structural Diagram

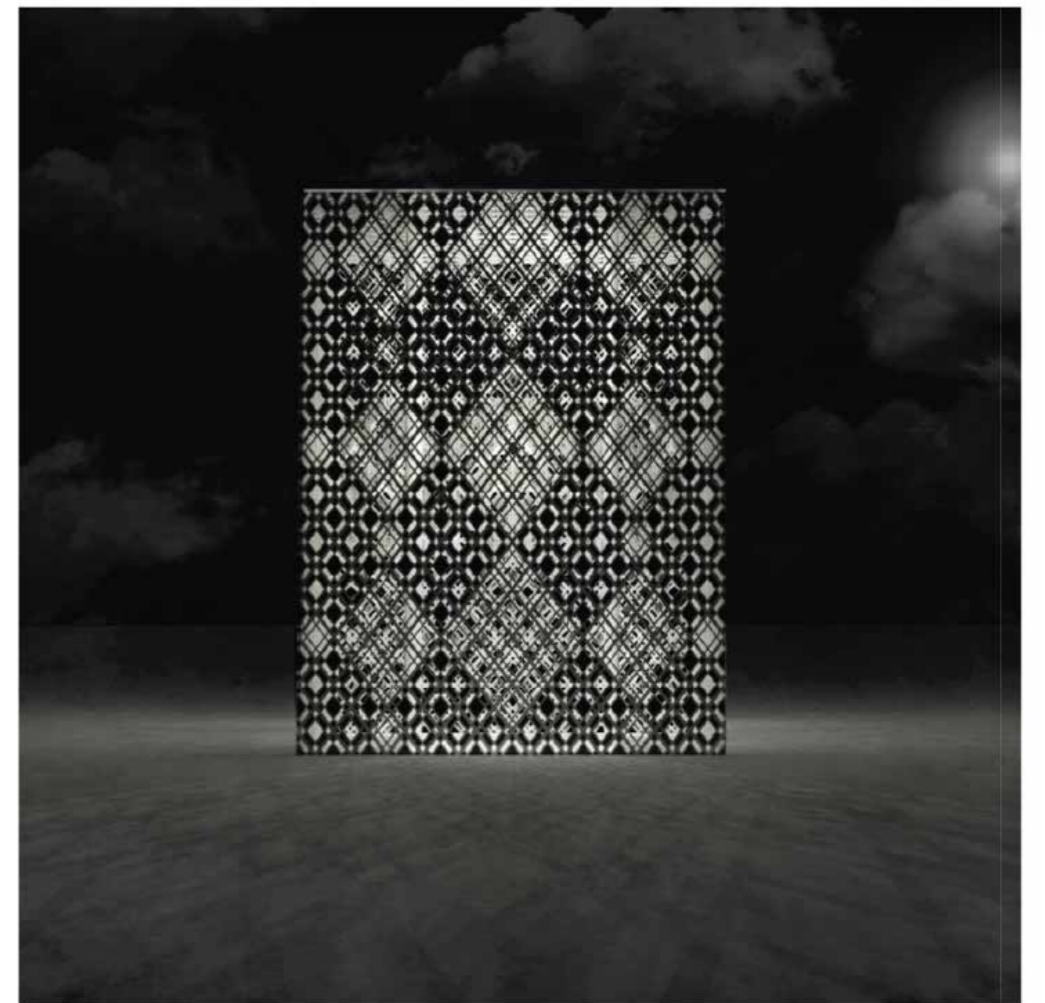
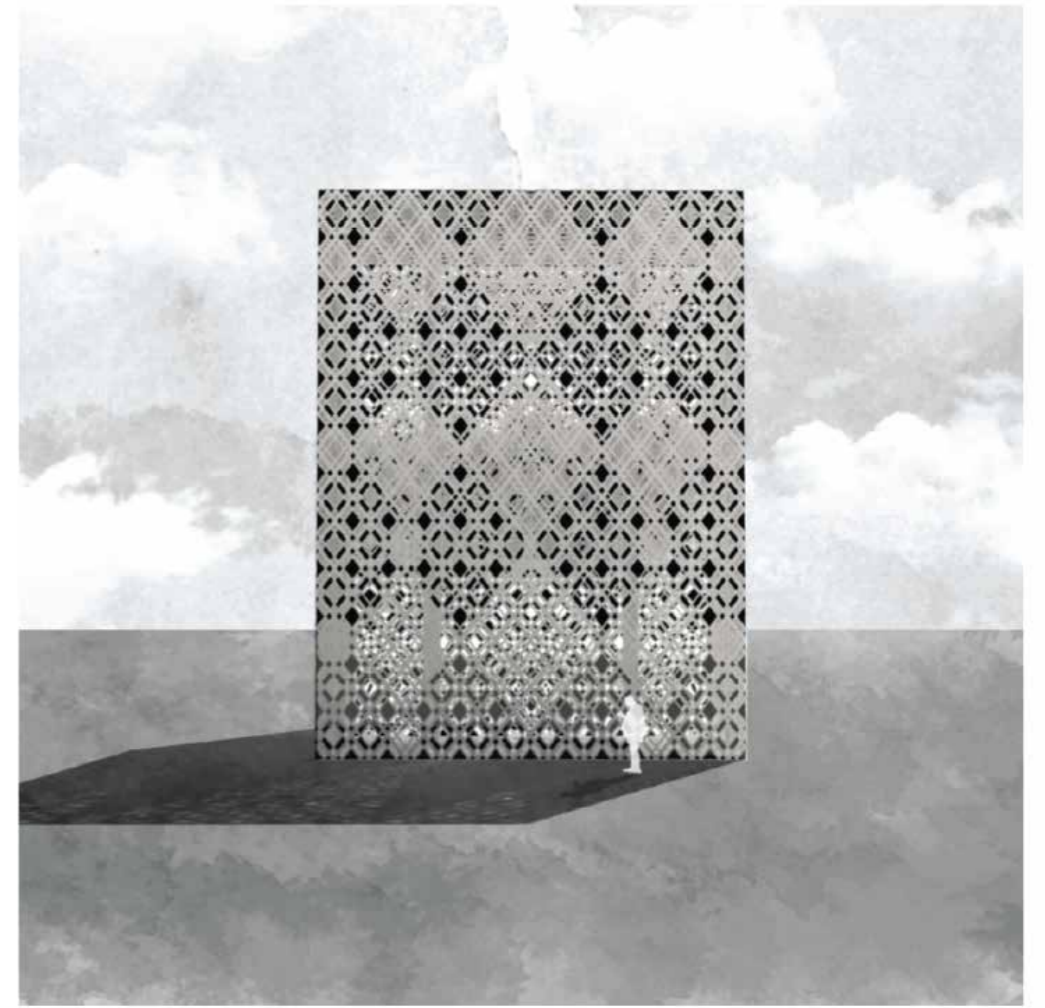
We also provided spaces for community as much as possible such as Urban Farming and Market & Vendor space.

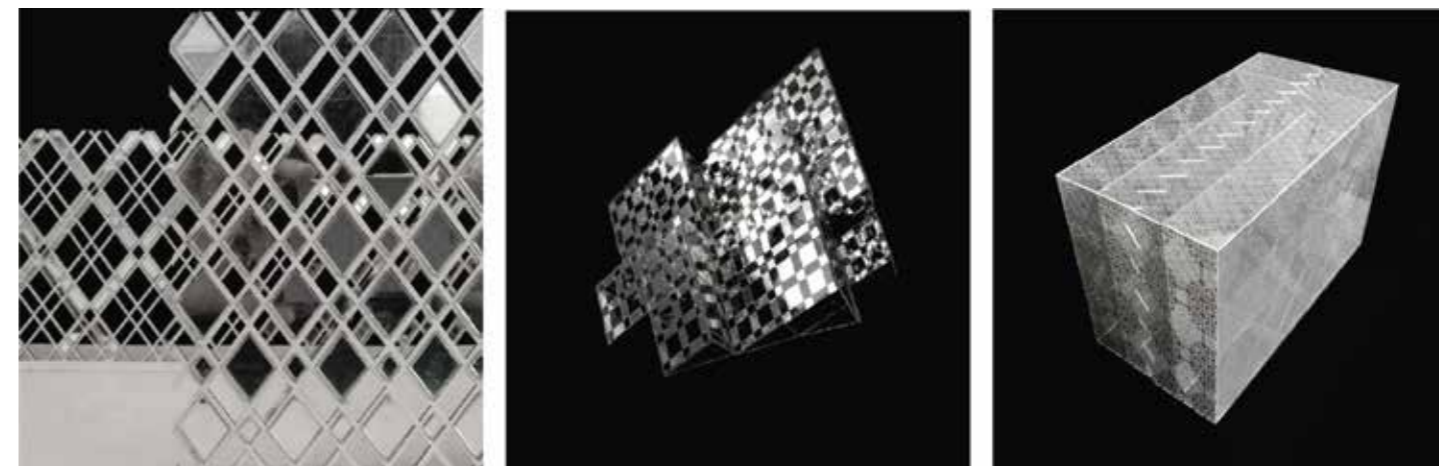
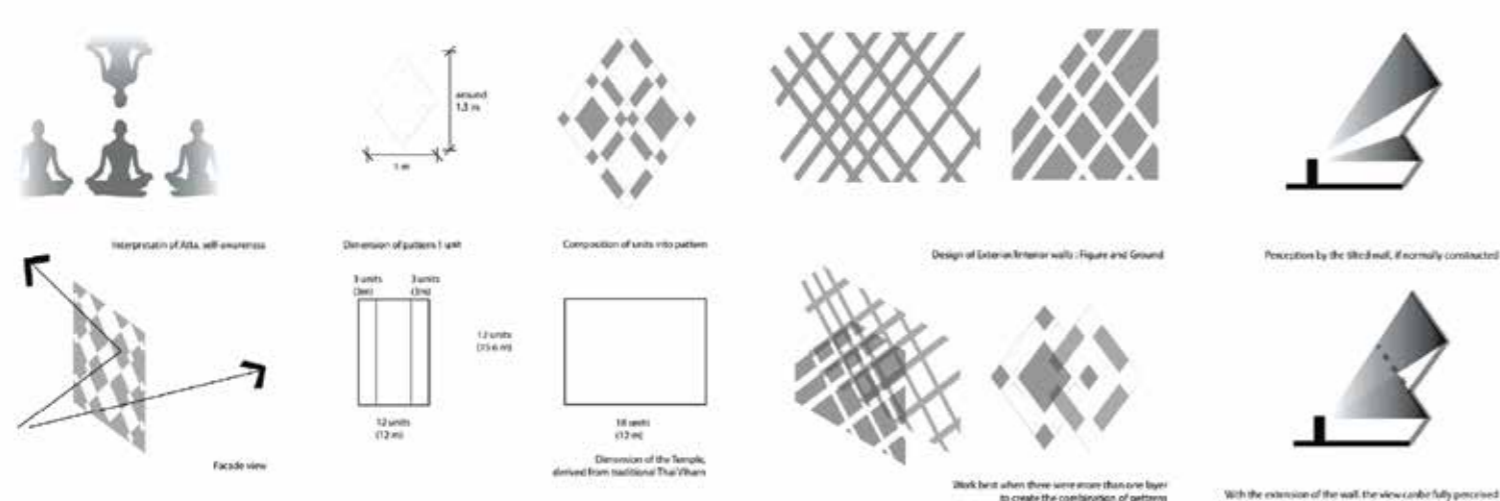
It also went along with the concept. Market place in the middle of project could expand into the entrance. Green screen at the back also block out messiness of urban area and create permeable boundaries.





TEMPLE of
A T T A
(Temple of Self)





Blurring Boundary

This project aimed for the **architectural experiments, with concept development and spatial quality**. The concept of blurring boundary was **'Bending visual perception with materials'**. **'Reflective and Transparent'** effect were chosen. Geometrical pattern inspired by Thai pattern was formed together with the idea of intersection of pattern and interwoven of light and shadow cast on ground.

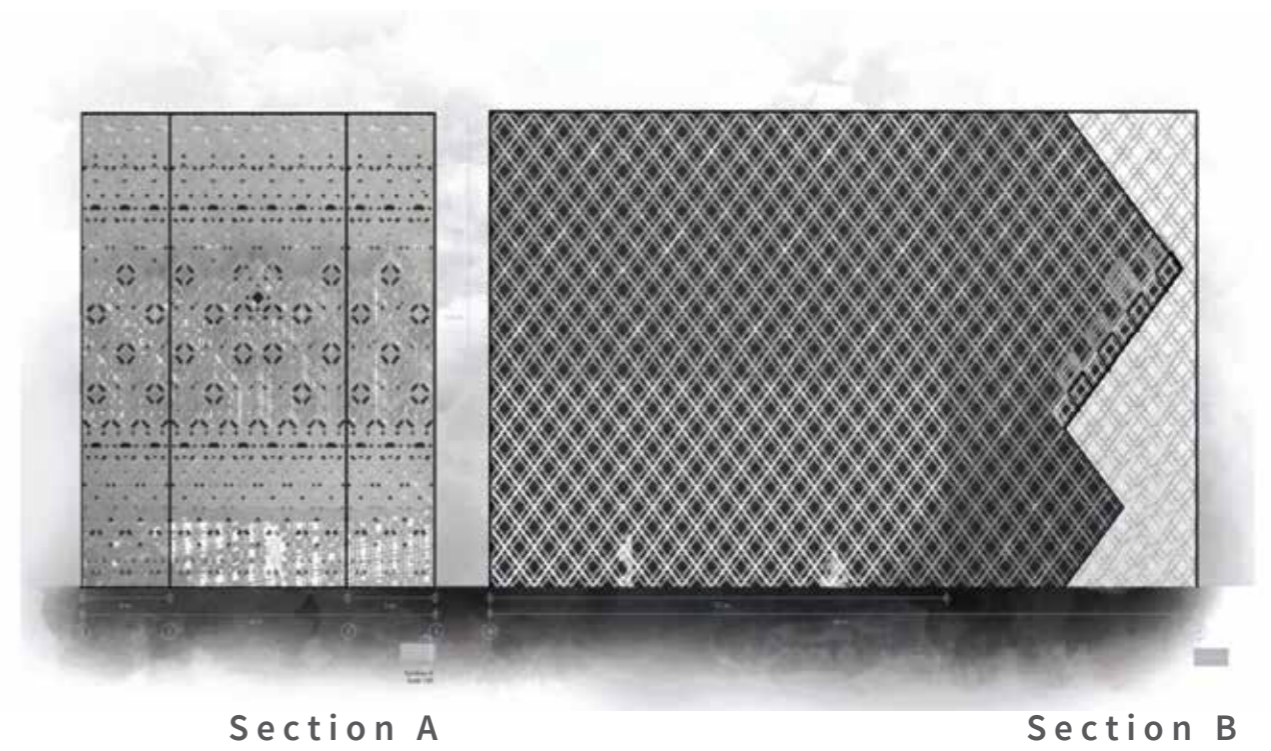
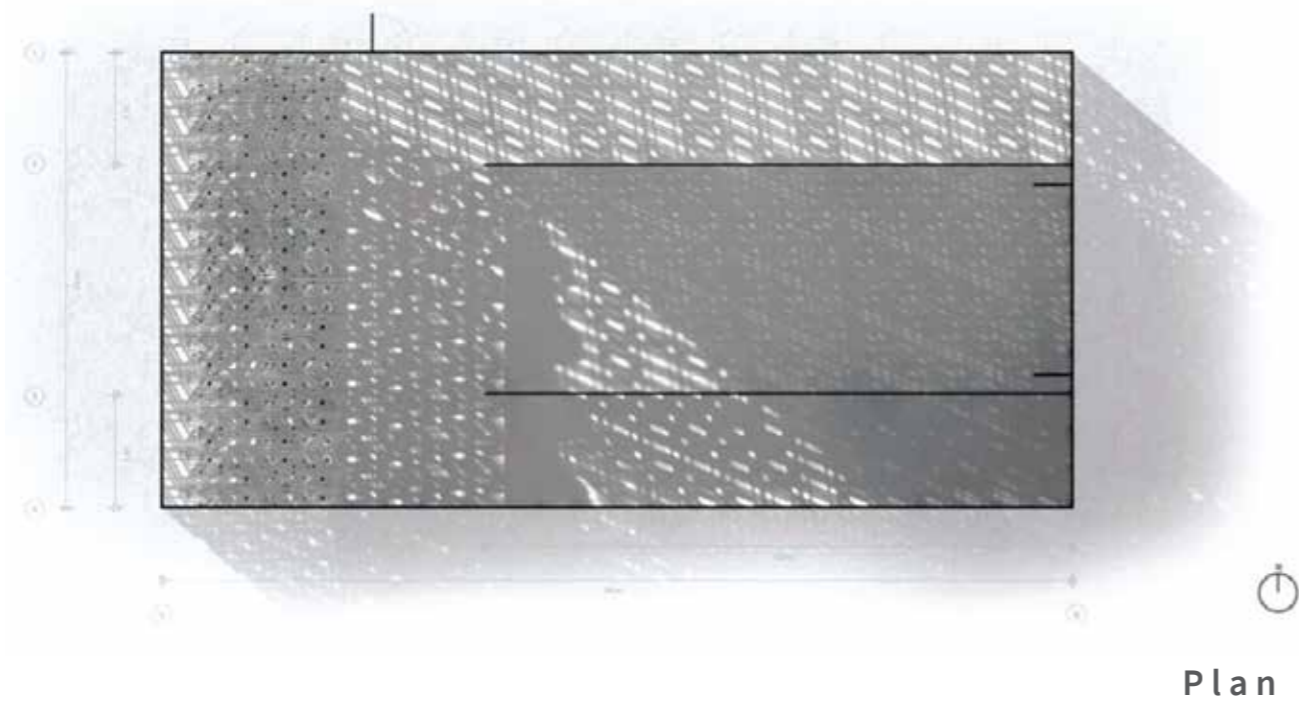
Temple of Atta (Temple of Self) aimed to express one of Buddhism's goal by using architectural effect via the use of materials. 'Atta' or 'Self' means the reflection of oneself. From the outside, the temple seemed to blend with the surroundings while also gave a glimpse of the interior space. When people reached the centre of the building, the only thing they saw was themselves.

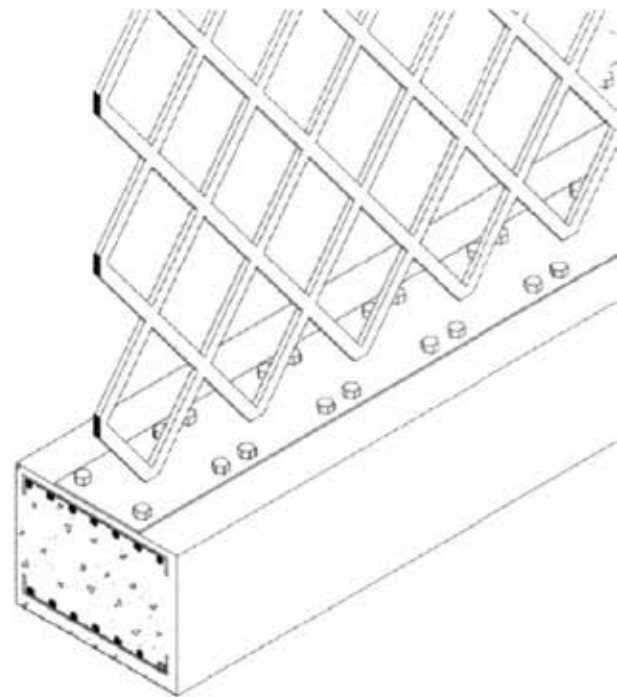
Concept and Development

I started by depicting one of **traditional thai patterns** and worked on blurring boundary between two sides by using **mirror**. After that, I composed the pattern into three-dimensional space. Then, I choose temple as a function of this space and worked on developing masses and concept further.

The main effect of this temple came from the useage of **reflective and transparent materials arranged in three-dimensional patterns** which was harmonious with the concept. It's gradually changed from mainly transparent to reflective as the viewer move through the building.

Pattern on exterior and interior walls were different yet related in figure&ground. The Exterior pattern aimed to let the light in, while the interior ones aimed to embrace the concept of the building.



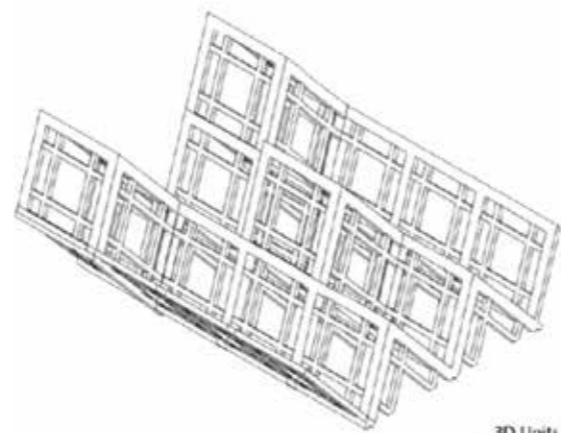


Foundation
Scale 1:50

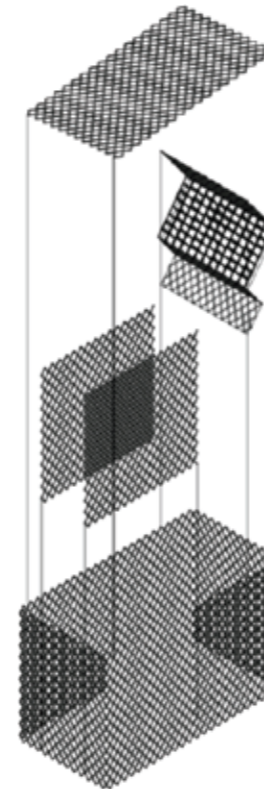
structuraldetails.civilworkx.com



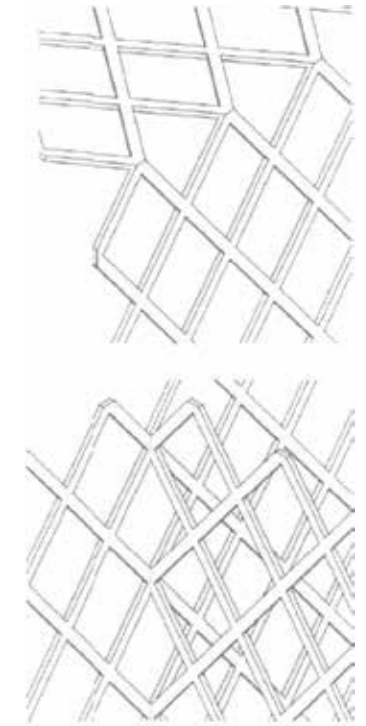
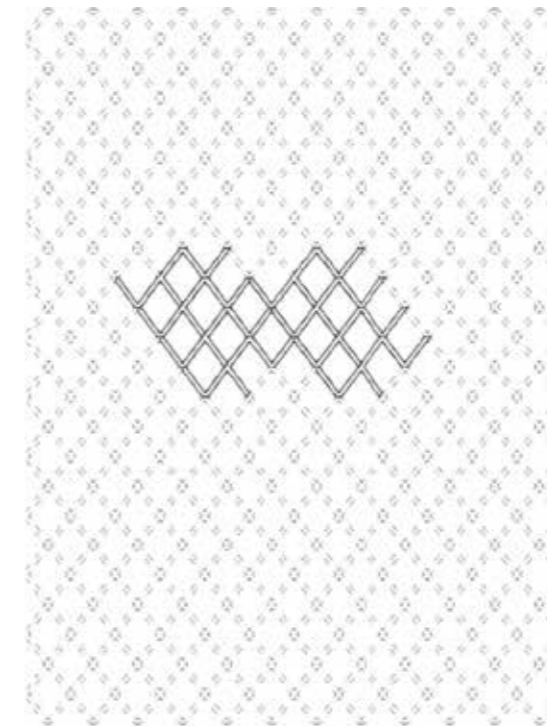
Glass Panel and Frames Details
Scale 1:20
DETAILS Magazine



3D Units
Scale 1:50



Modular System
Scale 1:100

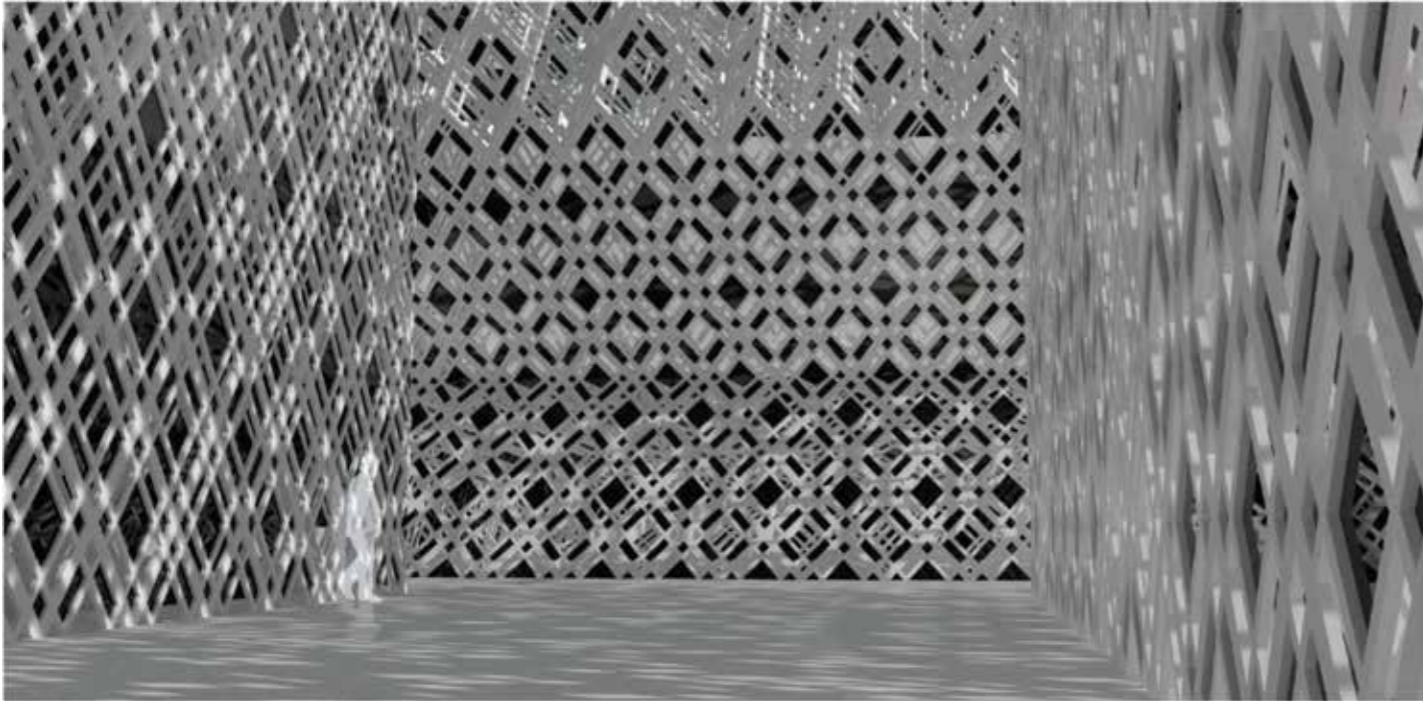


Rigid frames
Scale 1:50

Construction

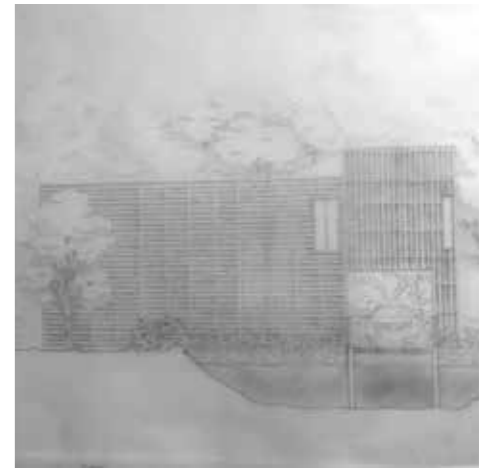
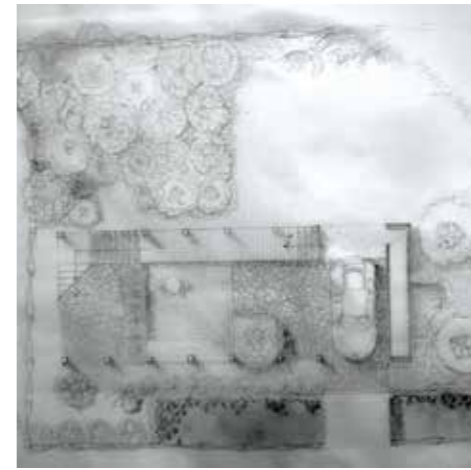
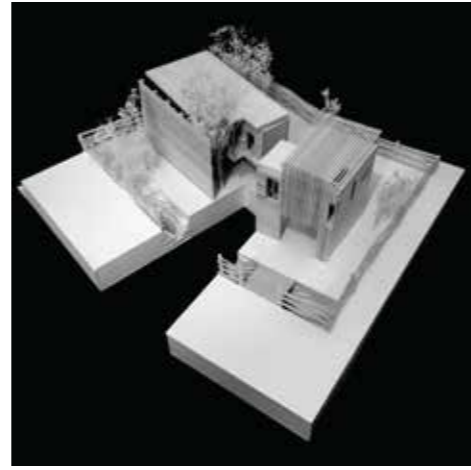
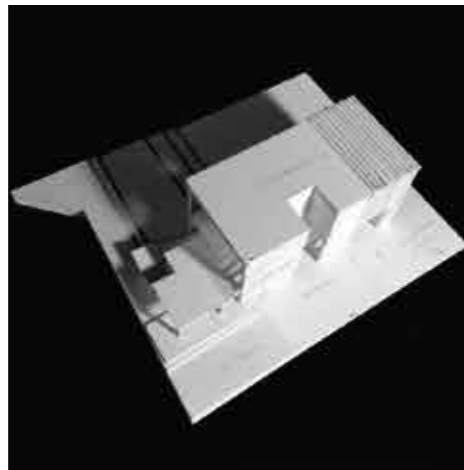
'Diagrid Structure' was used as a construction method. Since there was no upper floor besides of the roof plane and the span itself was not so long, a vertical loads was not a main concern. Lateral Loads, in the other hand, was crucial. To rigidly joining the members together was not just been applied only to the corner.

One benefit of the Diagrid Structure was that; it's good for resisting lateral load. It was highly stable and eliminate vertical columns and bracing issues at the same time. (Understanding Steel Design, Terri Meyer Boake)



THE HOUSE AT
P O O H
CORNER





“ Just going along, listen to all the things you can’t hear, and not bothering ”

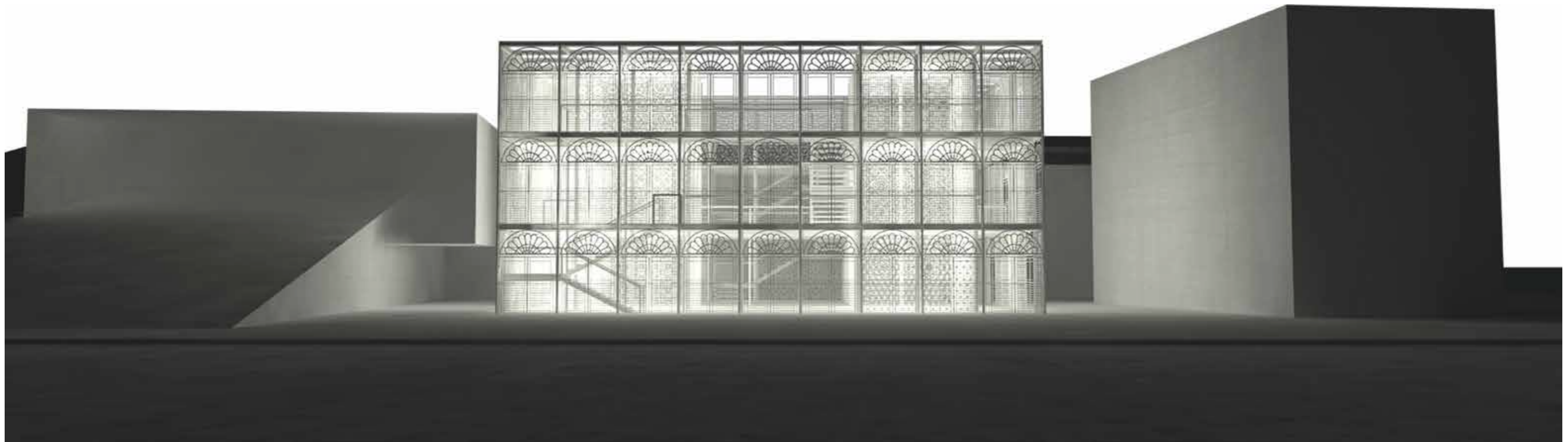
The House at Pooh Corner, A. A. Milne

Narrative Architecture

The task was to design a home for the author of ‘The House at Pooh Corner’ or ‘Winnie the Pooh’. The goal was to design a narrative architecture inspired by story itself.

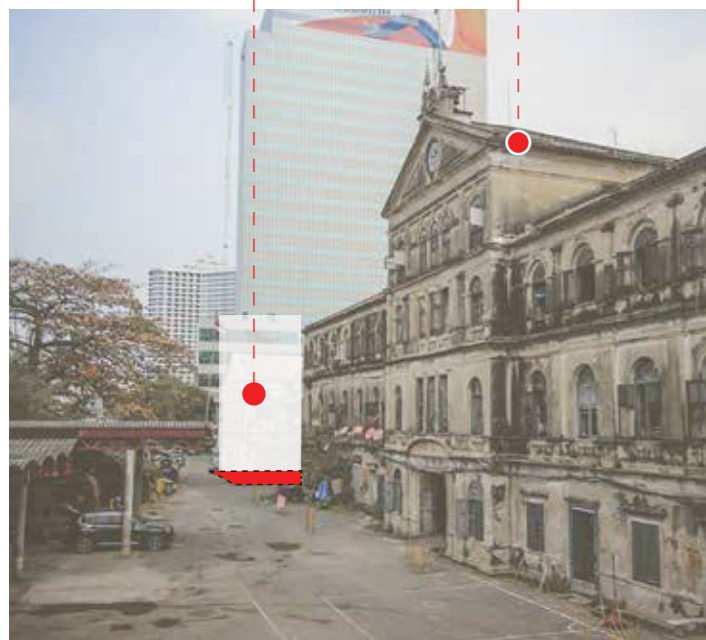
I started by searching for the meaning of ‘home’ and interpreted story of Winnie the Pooh. I was inspired by the story and one of the quote “Just going along, listen to all the things you can’t hear and not bothering”. At the end, ‘Simplicity’ was the most accurate representation of the story.

CHAROEN KRUNG CREATIVE CENTER

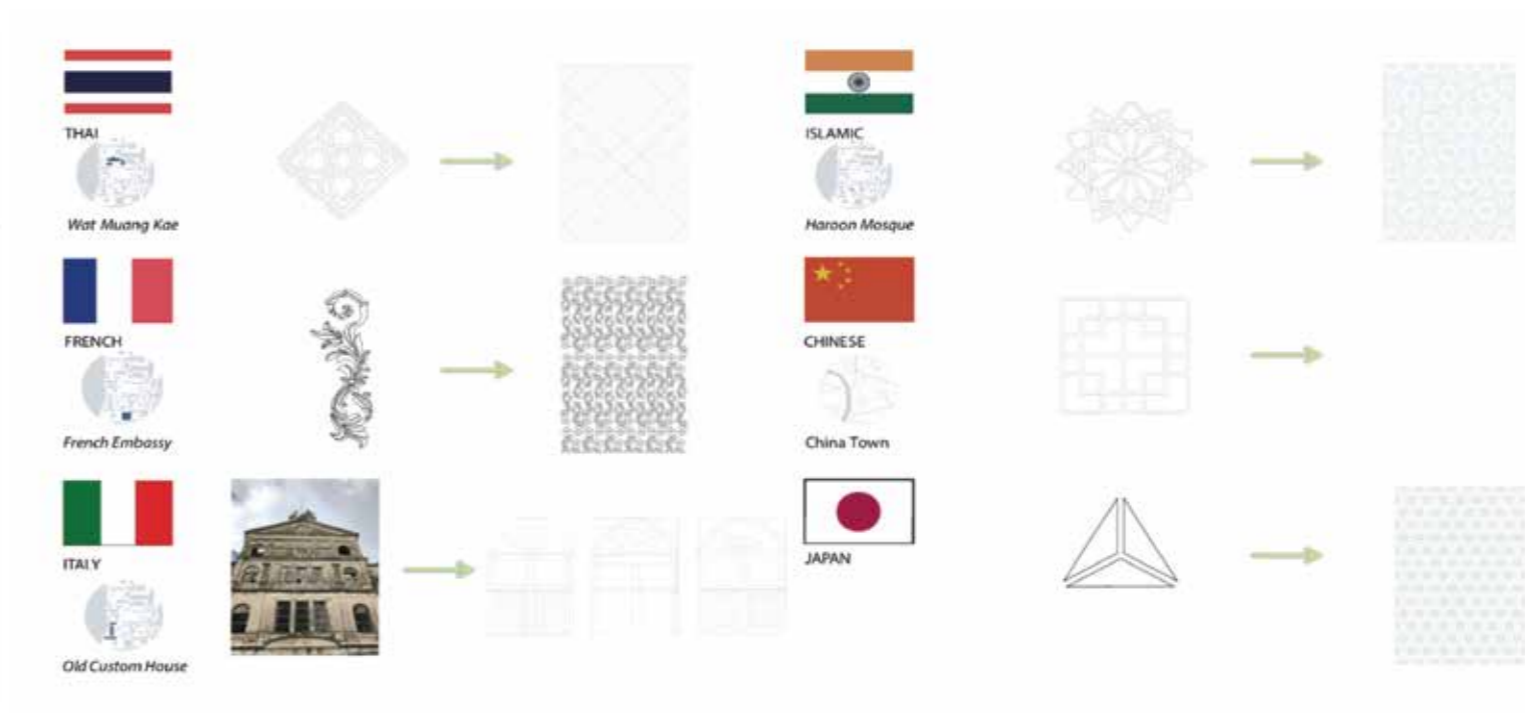
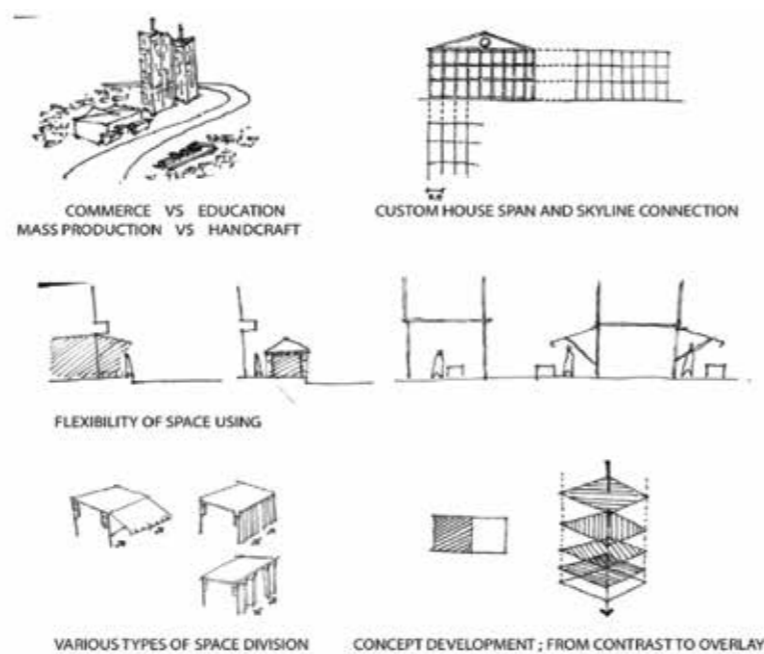


SITE

Old Custom House



Picture Credit: www.facebook.com/roofthird

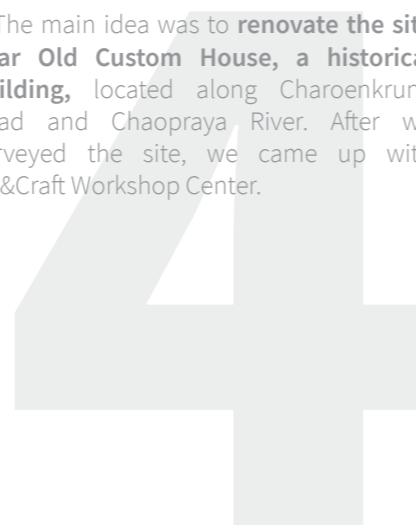


KITxKMUTT Workshop

During the Fourth year, I participated two international workshop. This was one was a workshop with students from **Kyoto Institute of Technology (KIT)**, Japan. There were up to 10 Japanese Architecture Students joined the workshop.

The main idea was to **renovate the site near Old Custom House, a historical building**, located along Charoenkrung Road and Chaopraya River. After we surveyed the site, we came up with Art&Craft Workshop Center.

Year

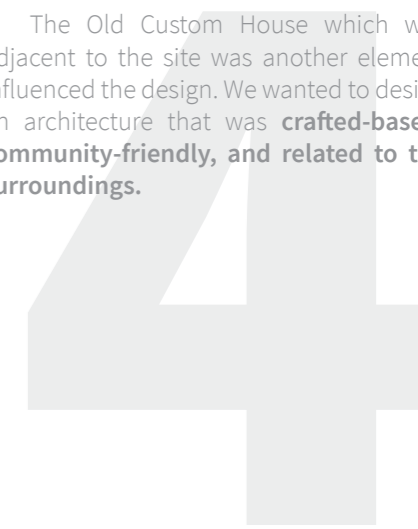


Concept

The concept was to **create a relationship and juxtaposition**. At the opposite side of the river constructed a skyscraper, Icon Siam. This commercial-aimed building will eventually turned the area into business district.

The Old Custom House which was adjacent to the site was another element influenced the design. We wanted to design an architecture that was **crafted-based, community-friendly, and related to the surroundings**.

Year





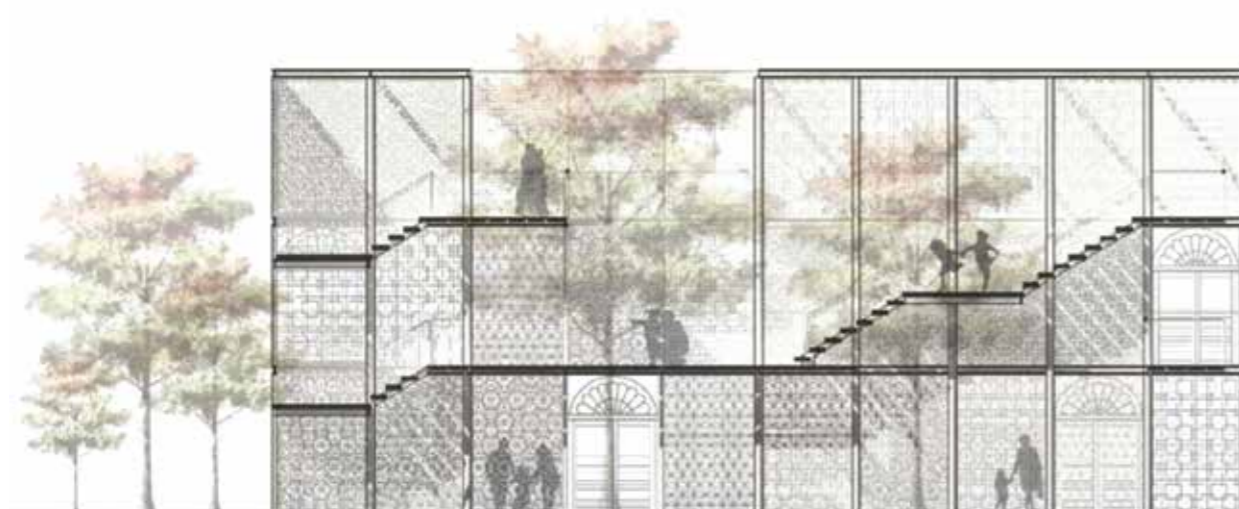
Plan



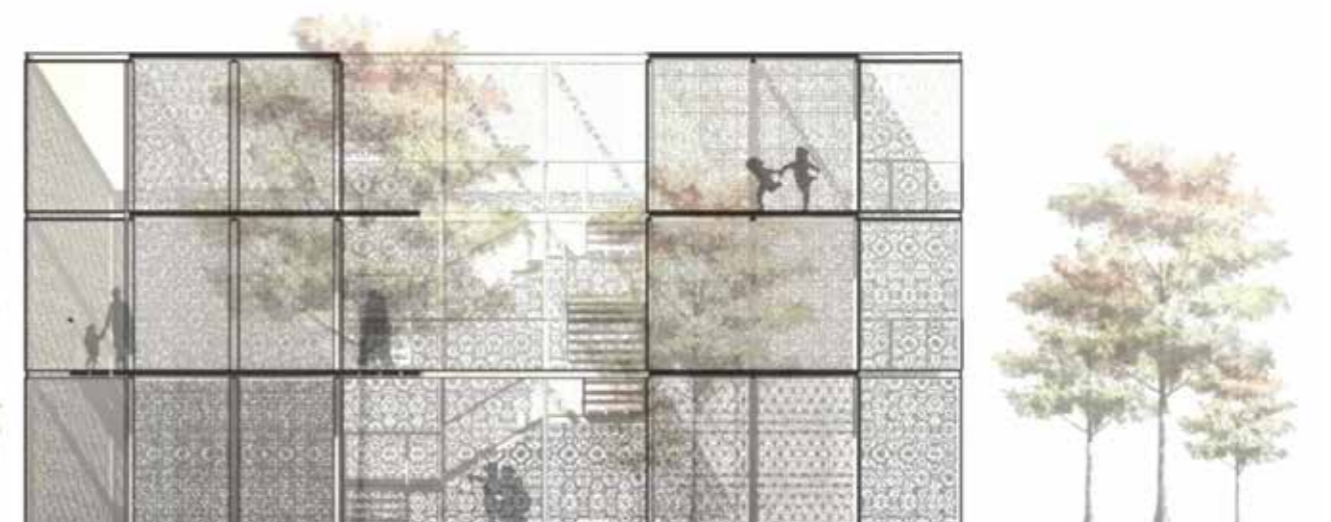
Old Custom House and Context

We use the Old Custom House as the base of the design. **Column span, skyline, and other architectural elements** of it were covey through the project. Meanwhile, the **scaffolding structure** was used to convey the lightness.

Then, we use **wrought iron depicting patterns** to represent each nationality. For example, Thai for the side that was closed to the Thai temple, Islamic at the side closed to Islam community.



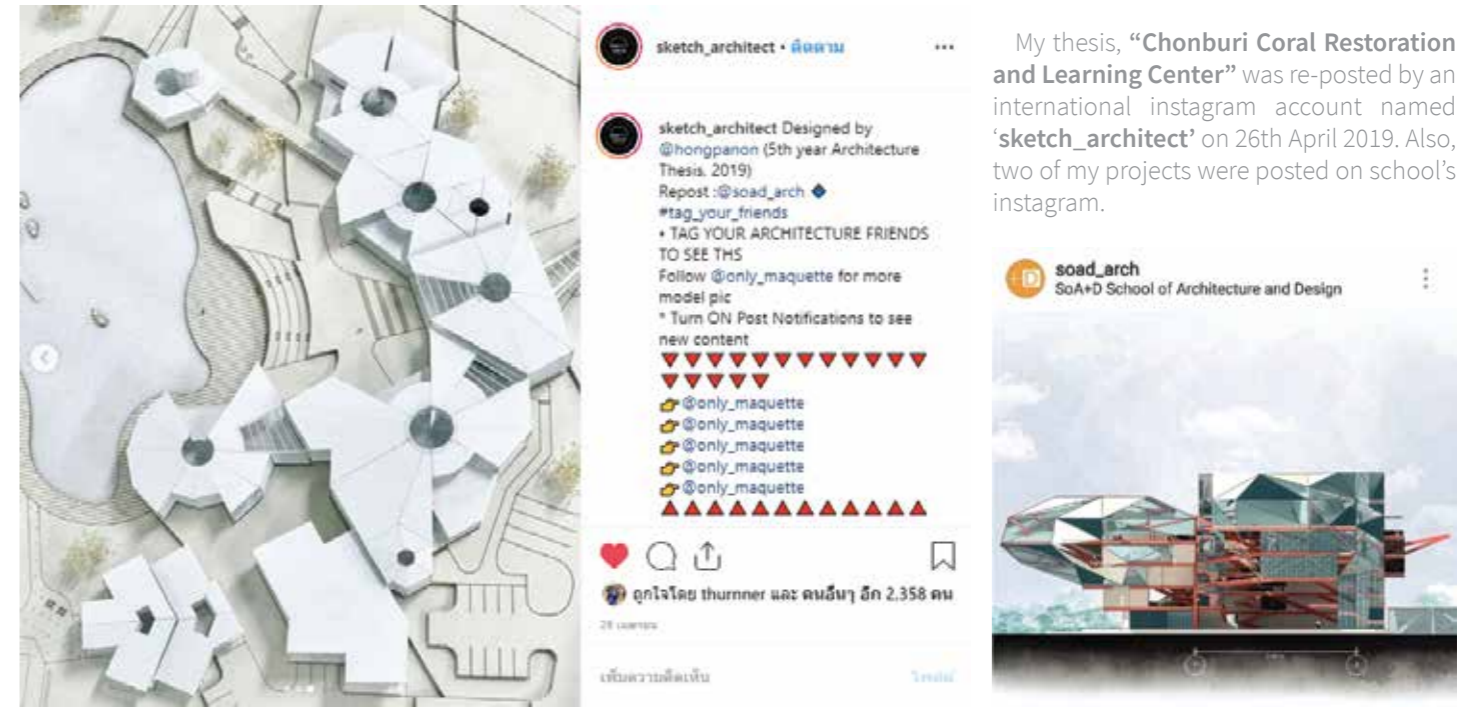
Section A



Section B



PROJECTS ON INSTAGRAM

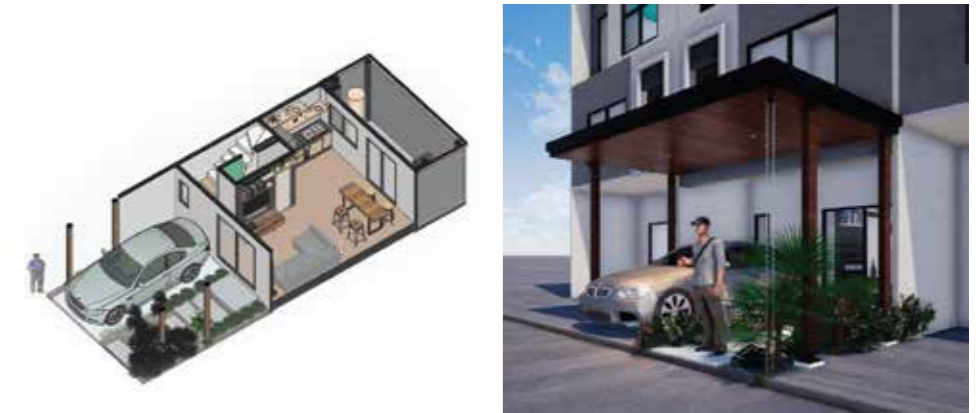


OTHERS

FREELANCE

I got a commission to design an front extension and and interior of a shophouse in Bangkok, Thailand. The theme is cool, modern with wood and steel.

Another one was a commission from an architecture studio to create 3D models and perspectives for the proposing Resort&Spa project in Thailand. I used **Twinmotion** for rendering pictures.



INTERNATIONAL WORKSHOP



I participated two international workshop during the fourth year of university. One was held in Thailand with KIT university. Another one was arranged in Tokyo, Japan with Keio university.

The project from KIT x KMUTT workshop, Charoenkrung Creative Center, was exhibited at KX (Knowledge Exchange Center).



LECTURE COORDINATOR



'Alumni Talk' was a series of lecture given by SoA+D alumni. There were Architecture, Interior, Communication Design and Industrial Design. I had a chance to be a head organiser of event.

During Fourth year, I was one of two **Teacher Assistants** for History of Art and Design subject. The revised knowledge helped me a lot in the design.



Study Trip in EUROPE & MILANO EXPO



I joined the study trip with my friends and a Professor to **Italy and Germany** during the summer break 2015.

After coming back from the Study Trip, we **arranged an exhibition**. Pictures were hang from the ceiling, people laid down to watch a movie, Tons of strange brochure and oversea stuffs were exhibited.

TEACHER ASSISTANT EXHIBITION COORDINATOR



I was one of the four coordinators of 'Out of Sight 2017'. My responsibility involved with in many sectors, from PR to event manager. There were many versions of the poster. This was my project's model.

Two of my work was exhibited. I also got an honour to present my project 'ฟังก์' at the first day of the exposition. With the guidance of the seniors and professors, also tons of help from friends, the event was beautiful.

VOLUNTEER CAMP 2017



I joined the team in Conceptual Design process for the **Library Project**. It was an annual volunteer camp held by SoA+D students.

Translucent materials gave out stunning effect at night, while allowed an amount of light come in during the day. The waffle stud was also a seat and book shelf. The project was **published online by Dsignsomething**.

GRAPHIC DESIGN

I am a part of the graphic designer team for architecture thesis show 2019. 'เด็กสมัยนี้' deviants from the phrase 'เด็กสมัยนี้' which mostly imply as a sarcastic term to the new generation.

As a result, the aim of this thesis exhibition was to show changing of architecture discourse as well as technology, how the process of learning and exploring architecture field differed.



T h a n k y o u