

PORT- FOLIO

arada hemrudee

- 03 ARCHITECTURE
PROJECT
- 26 PHOTOGRAPHY
- 28 CONTENT
CREATOR
- 29 VERNADOC
- 30 EXHIBITION,
WORKSHOP,
CAMP

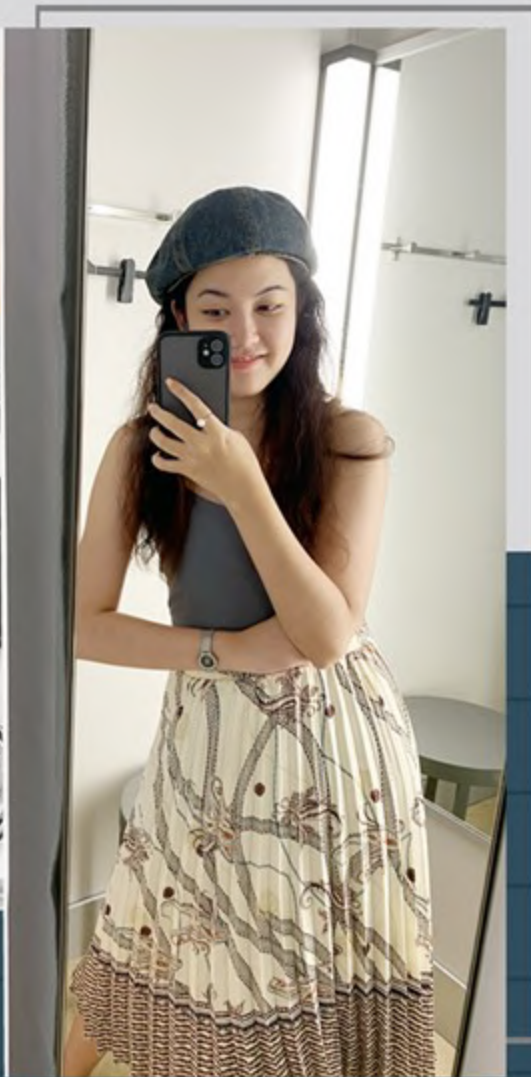
YOU

- **24 NOV 1994**
I WAS BORN
- **KINDERGARTEN**
YEAR 1,2
- **PRIMARY SCHOOL**
GRADE 1-6 ————— I want to be an architect.
- **SECONDARY SCHOOL**
GRADE 7 ————— Learned about graphic design to edit the photo.
GRADE 8 ————— Learned about web design by html code.
GRADE 9 ————— Started to write a fiction.
GRADE 10 ————— Started to practice drawing for examination.
GRADE 11 —————
GRADE 12 ————— Prepared for examination.
- **UNIVERSITY**
YEAR 1 ————— Finally, I was an architecture student
and printed out the booklet.
YEAR 2 —————
YEAR 3 ————— Studied hard, worked hard
YEAR 4 —————
 - Open-minded and learned the new things through free electives that I chose real estate, landscape design, urban planning, and vernacular drawing.
 - Got internship experience from real estate company.
- **YEAR 5** ————— Thesis crisis
- **WORKING** ————— I'm junior architect.
Freelance: graphic designer, content writer, draftman

ARCHITECT
DESIGNER

24 NOV
1994

ARADA
HEMRUDEE



HRDARADA@GMAIL.COM

2016-2020

01



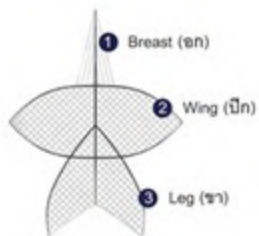
The pavilion would make people interact and perceive the design by components of column, beams and floor. All of them was developed by axis of the kite structure.

The columns represent to **resume**, it will be more inclined because kite resists the wind so, a center of the pavilion that is widely free space to show the kite that loses control.

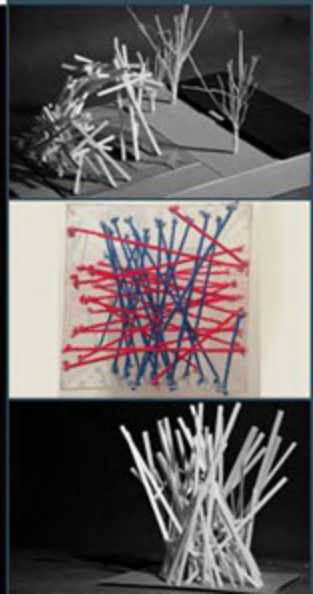
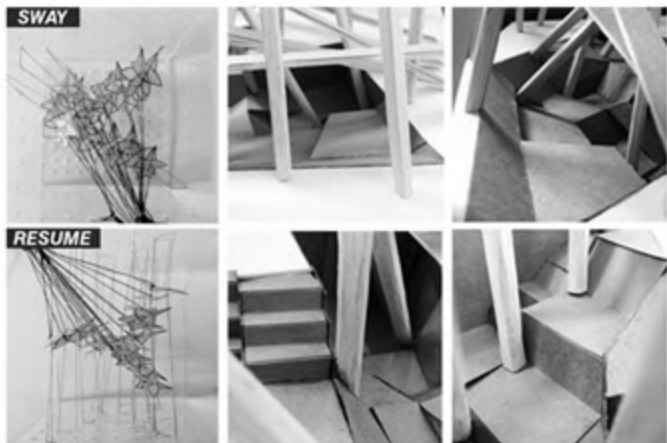
The beams represent to **sway** and affect the difference of ground level.

When people come to this pavilion, they will lose control like Chula kite flying against wind that is the reason why the design could interact to user.

PAVILION THAINESS



The inspiration comes from Chula kite which is Thai tradition and unique structure. The structure of Chula kite is balance and flexibility, When kite floats on the sky, it can adjust whilst the wind attacked to fly long time focusing on a character of Chula kite when it is flying.



KINDERGARTEN

WOODEN-BLOCK TOY

02



1st FLOOR PLAN



2nd FLOOR PLAN

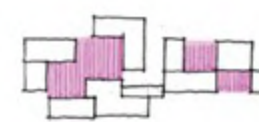


The Reggio Emilia approach is an educational philosophy and pedagogy focused on preschool and primary education. This approach is a student-centered and constructivist self-guided curriculum that uses self-directed, experiential learning in relationship-driven environments.

Wooden block toys are related to the concept because it supports CHILD-CENTER. Children can choose the form of following their imagination same as Reggio Emilia. They feel free to learn what they want to art, music or sport by no one control them and support their decision as well.



INTERLOCK
To make group of classroom units for children interaction.



EMPTY
Space between mass building connection become to be public space.

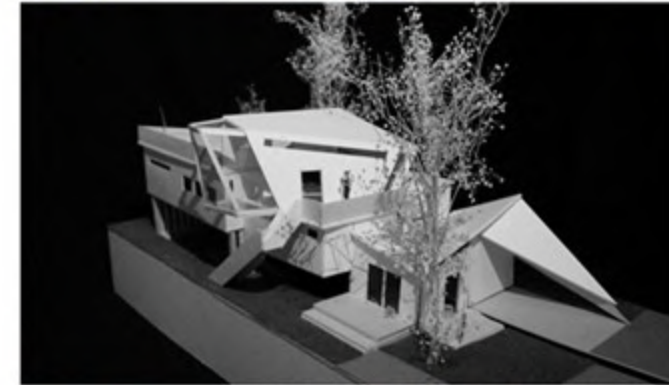
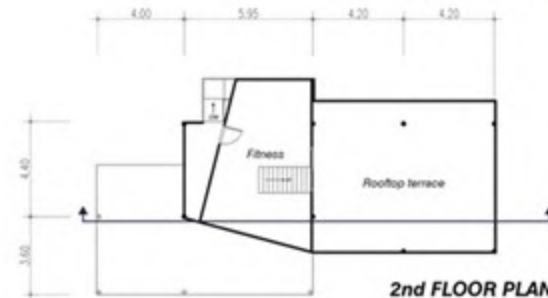
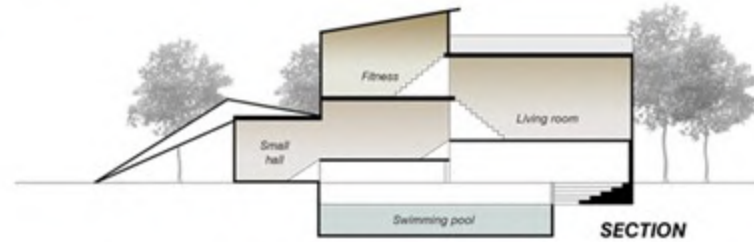


OVERLAPPED
Each floor shares space together, second-floor use roof of the first floor that is a different height of a ceiling

SINGLE HOUSE 03



BURNING



Bodybuilder characteristics

- Healthy
- Strong and deligent
- Painted brown to show muscle clearly
- Beautiful muscle and posture
- Patience



Air hostess characteristics

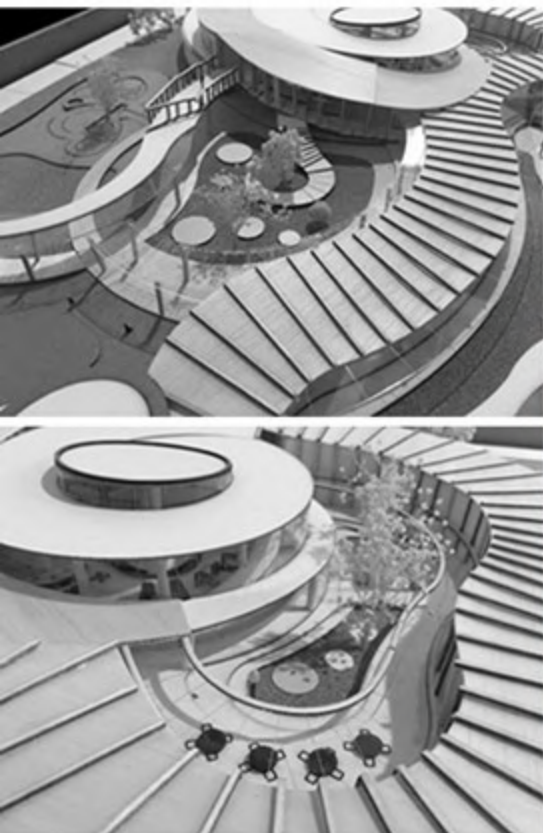
- Polite service
- Friendly and outgoing personality
- Pleasing Voice
- Beautiful Smile
- Patience

The Concept is 'Burning House' to support who loves to exercise and care about health. Each room was arranged on the 1st floor is:

- Master bedroom, kid bedroom and bathroom
- Living space and kitchen

The rooms connected by the slope because it is hard burning when going up and easy to go down. The 2nd floor is the fitness being a main in this house.





CHILDREN'S LIBRARY AND CHILD DEVELOPMENT CENTER THE NEVER-ENDING LAND



04

Never-ending land creates childhood experience with never ending imagination that perhaps adults may not understand. Learning by playing has become a key support this library to help children explore through play and imagine to discover new things by themselves that encourage what they are interested and feel confident.

GRADUATION THESIS

WHY

we should focus on Early Childhood Development?



①



90% of the child's brain development happens before age 5

②



Compulsory education for children in Thailand starts at an elementary school at the age of 7-8

③



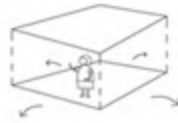
This is the library but users cannot read by themselves because early children are illiterate.

THESIS QUESTION

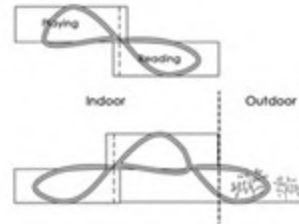
How can architecture and space of library can assist users to explore the idea of never ending learning through reading and playing in suitable context of the library to encourage early-age children develop their skills and have fun?

How can children's library change the viewpoint of adult that early children are too young to reading a book?

CONCEPT DIAGRAM

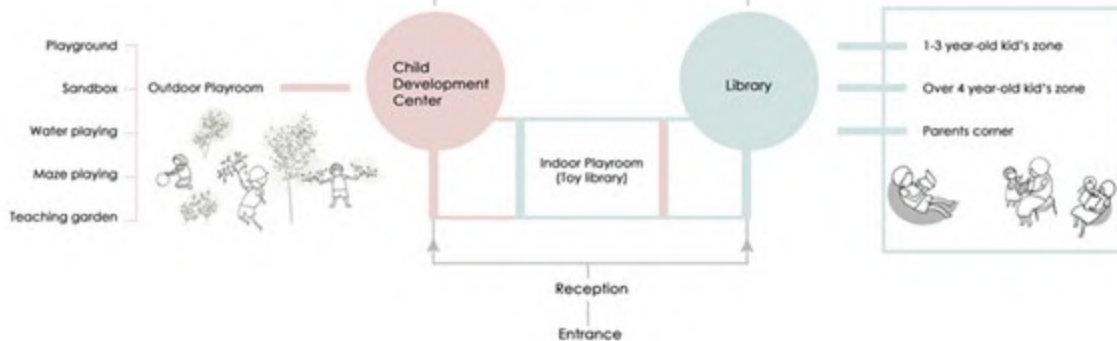


The circle supports concept think outside the box



The loop circulation supports the concept of never ending learning

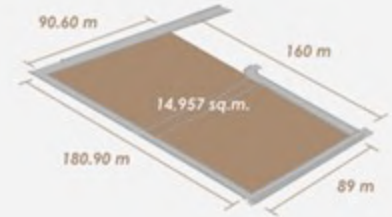
PROGRAM ANALYSIS



SITE ANALYSIS



Site location: 145 RAMA 8 Rd, Khwaeng Samsat Dam, Khet Bang Khun Thien, BKK 10150



- Main road:
- 1 Rama 8 Rd.
 - 2 Suk Sawat Rd.
 - 3 Raj Burana Rd.
 - 4 Phutha Bucha Rd.
 - 5 Chulalongkorn Expressway (Tol road)
 - 6 Rama 9 Soi 54 Rd.
 - 7 Ekachai Rd.
 - 8 Rama 9 Rd.
 - 9 Bang Khun Thien Rd.
 - 10 Kancharapisek Rd. (Tol road)

- Transportations:
- Individual car
 - Taxi
 - Service bus no. 720, 529, 142, 141, 68, 76, 140, 172, 58, 17, 105, 173, 147
 - User can walk from public facilities: Central Plaza, Central Park and hospital come to site.

Site accessibilities

- Shopping malls
- Condominiums
- Education places
- Hospitals
- Restaurants

Site located in a commercial area that is a lot of shopping malls and the restaurants can attract user come to.

Site neighborhoods

- Wind orientation:
- The wind from northeast direction is Monsoon that cold wind comes from green area of Central Park to make the site purify air.
 - The wind from southwest direction is Monsoon that hot wind blocks by residential building.

- Sun orientation:
- Thailand located on between latitude 5 and 21 degrees north longitude 97 and 106 degrees east, so the sun will pass on both north and south. Almost of the year, sun passed on the south that is almost hot all the year but April-August passed on the north.

Site orientations



Courtyard for over 4 year-old kid

Semi-outdoor Learning space

Toy library (Indoor playing)

Courtyard for 1-3 year-old kid

Exhibition/ Gallery

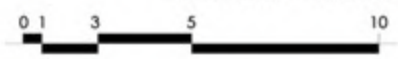
+8.00 m
+7.00 m
+4.00 m
+1.00 m

Rooftop area

Book for over 4 year-old kid

Book for 1-3 year-old kid

SECTION AA
SCALE 1:200



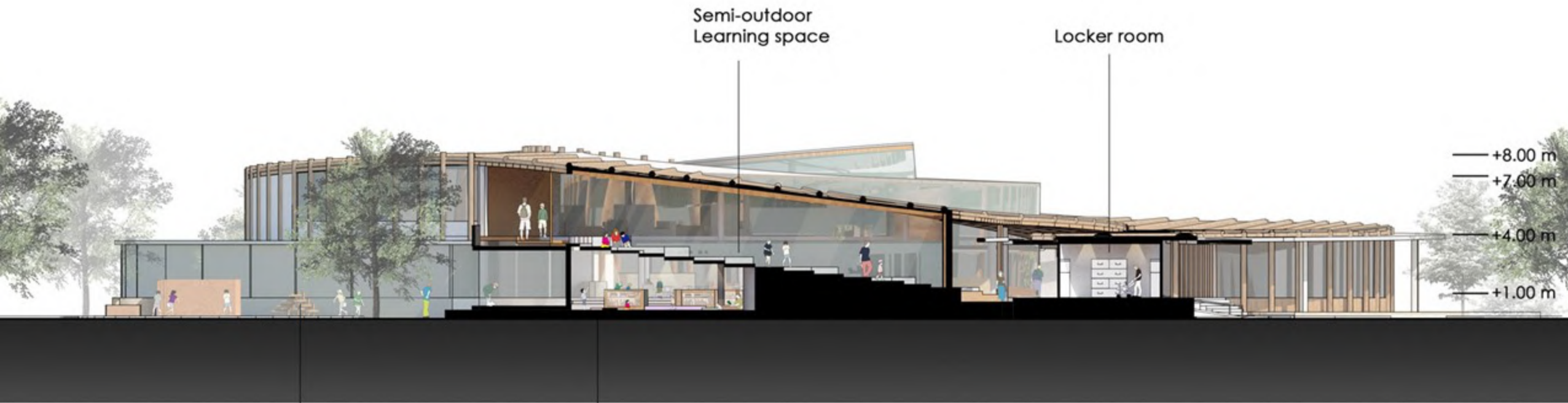
Main Library



Toy library



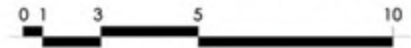
1-3 year-old kid zone



Playground

Book for over
4 year-old kid

SECTION BB
SCALE 1:200



Outdoor playing

Semi-outdoor Learning space

Sandbox Playground



Rama II Soi 54 Road, Yaek 2

Rama II Soi 54 Road, Yaek 4

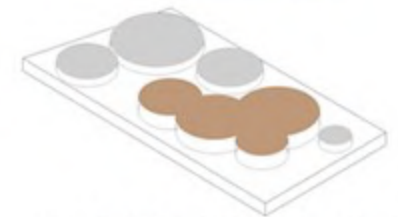
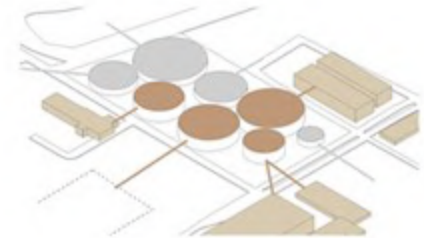
- Library
- Child development center
- Public facilities
- Service



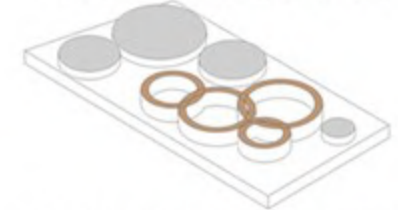
GROUND FLOOR PLAN
SCALE 1:200



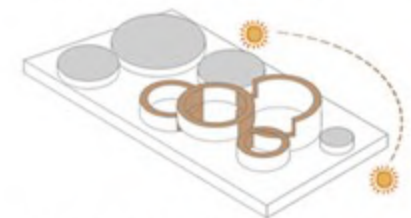
- | | | | |
|---------------------------------|-------------------------|-----------------------------|------------------------------|
| 1. Reception area | 11. Toy shop | 21. Document room | 31. Pantry |
| 2. Book for over 4 year-old kid | 12. Book shop | 22. General storage | 32. Janitor equipment room |
| 3. Reading area | 13. Coffee shop | 23. Book supply storage | 33. Janitor office |
| 4. Reading pool | 14. Locker room | 24. Toy supply storage | 34. Engineer office |
| 5. Book for 1-3 year-old kid | 15. First aid station | 25. Book repair storage | 35. Pump room |
| 6. Book for parents | 16. Lactation room | 26. Administrative Office | 36. Maintenance room |
| 7. Rental area | 17. Baby changing room | 27. Meeting room | 37. Electrical room |
| 8. Multipurpose hall | 18. Rental service area | 28. Deputy director library | 38. Loading area |
| 9. Temporary exhibition | 19. Librarian's office | 29. Secretary room | 39. Furniture supply storage |
| 10. Permanent exhibition | 20. Photocopy room | 30. Staff lounge | 40. General storage |
| | | | 41. Backstage |
| | | | 42. Control room |
| | | | 43. Storage room |



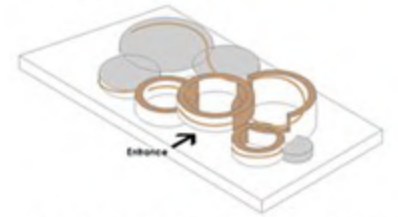
Group the building zone from site context to define the area for design the building.



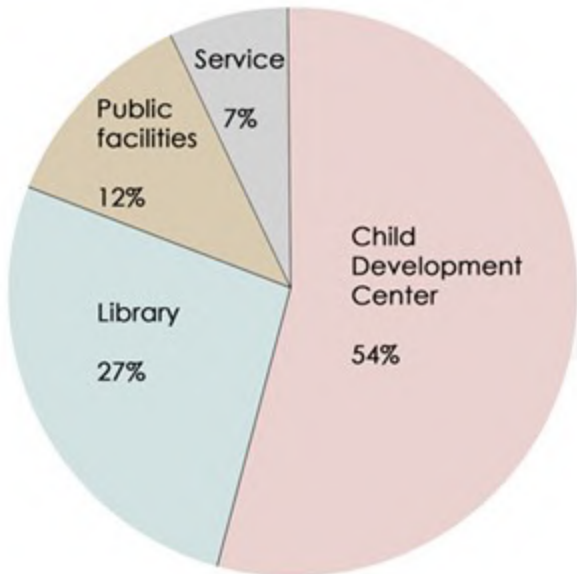
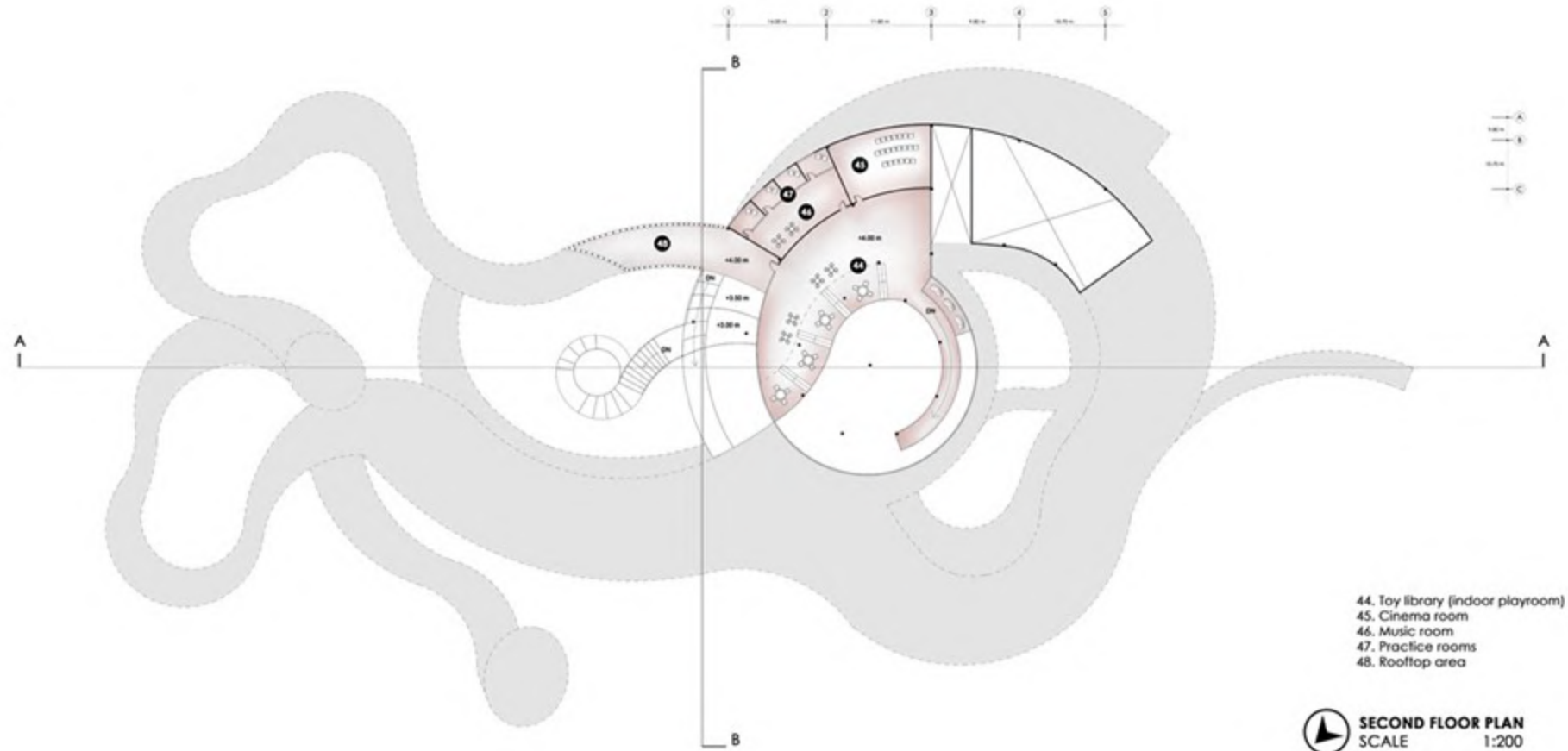
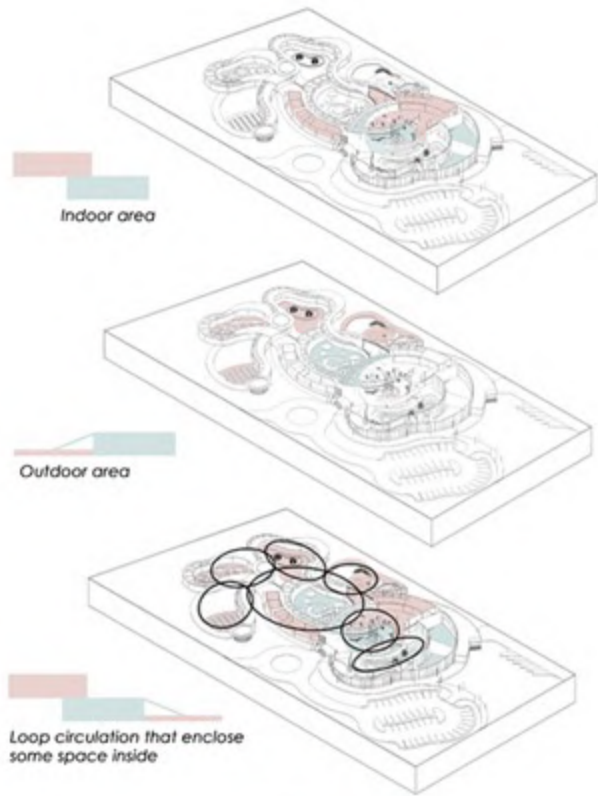
Create loop circulation following the concept of never-ending to bring children to learning.



From site analysis that affects building height, it can block the heat from the sun and create shading to the building.



Create the circulation to connect indoor and outdoor space that lead the way of learning experience in children.



Child Development Center

- Playroom
- Music room
- Cinema room
- First aid station
- Lactation room
- Baby Changing room

Library

- Rental area
- Stack area
- Reading area
- Multipurpose hall
- Exhibition

Public Facilities

- Coffee shop
- Book shop
- Toy shop
- WC

Service

- Staff office
- Meeting room
- Staff lounge
- Supply storage
- Building maintenance
- Loading area

**Net area:
3639.08 sq.m.**

41 public parking lots
6 service parking lots

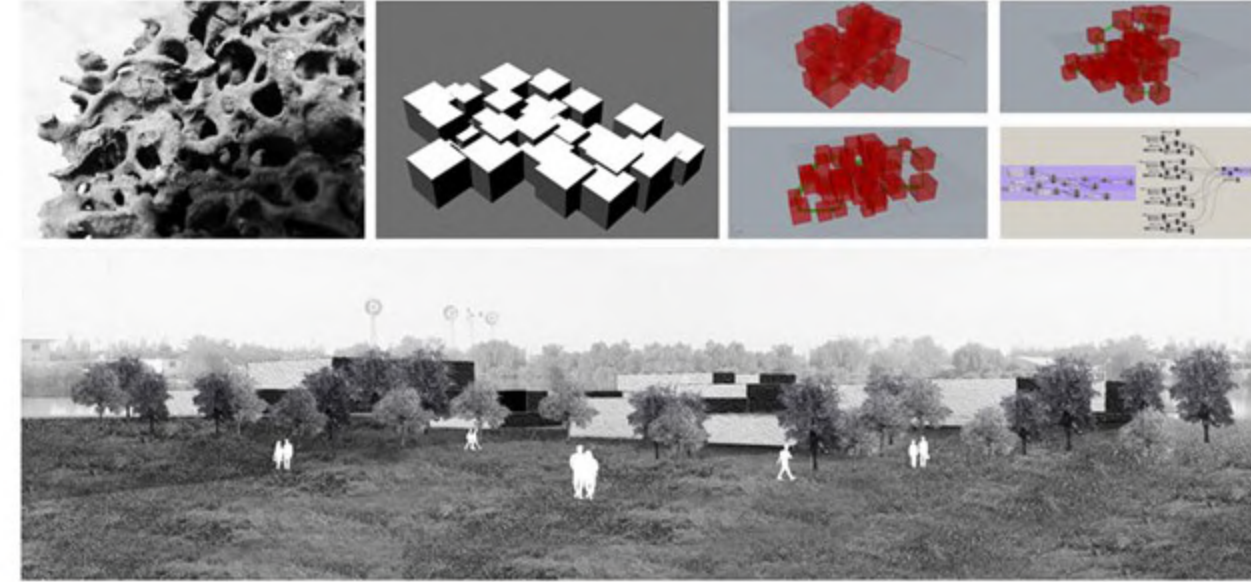
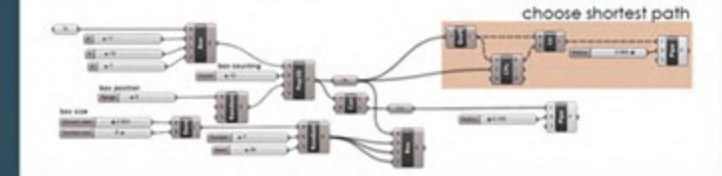
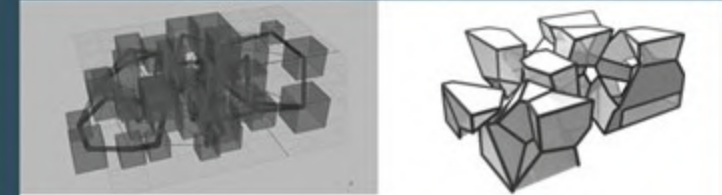
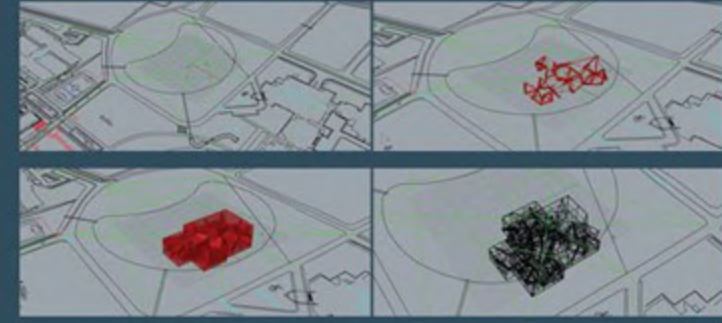
SCHOOL OF ARCHITECTURE AND DESIGN 2030

05

SHORT WALK

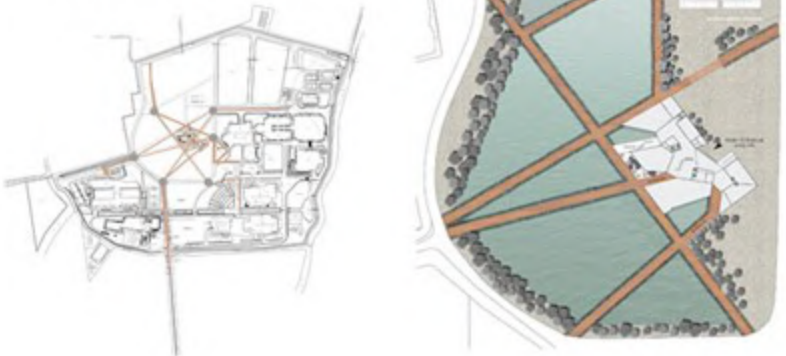
Biomimicry is another key issue this studio would like to introduce, in parallel with scripting (Grasshopper), as conceptual thinking and the design tool. The logic derived from the natural phenomena or living beings is to be turned into an abstract machine to generate a series of the conceptual model that can be further developed to be space for learning.

SoA+D 2030 project got the biomimicry concept from 'Short Walk' from ant colony, the ant use short walk by the following pheromone. Therefore, the building circulation and zoning the program arrangements got this concept for creating the social of human to support a school pedagogy to gather students at the same place, and sharing the same experience.



SITE ANALYSIS

The building can be in a part of surrounding as ant colony, site context included main road soi 23 and 25, and other buildings go into our building by using footpath. The path was shortest walk and go straight to entrance here This is a part of landscape design



Ⓐ SITE PLAN



Short walk
Walk path that is short circulation around site and main road to gain people walk or bike into building.



Green space
Site is enclosed by pond and surrounded with green space that hides building.

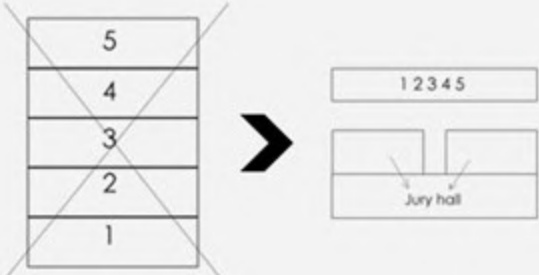
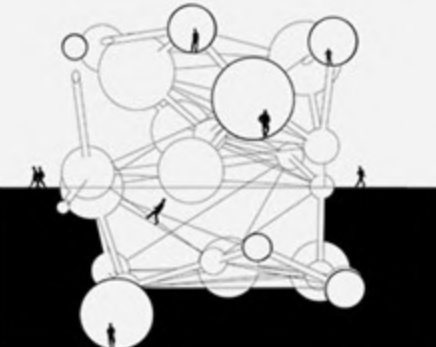
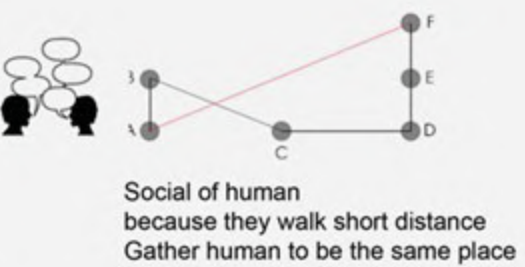
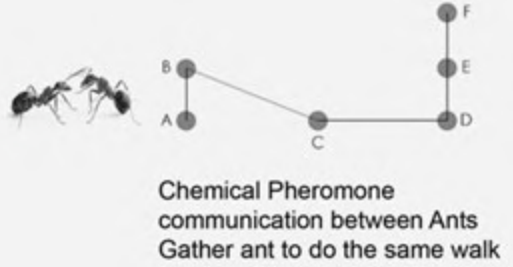
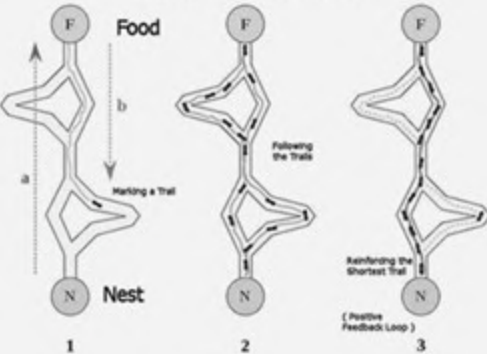


Direction
Right part is car circulation. The car go into our site and drop off front of the building, direct to parking lot or out.



CONCEPT DIAGRAM

Ant Colony Optimization



Pedagogy is social space for sharing
Students share experience
Students share circulation
Students share society

06

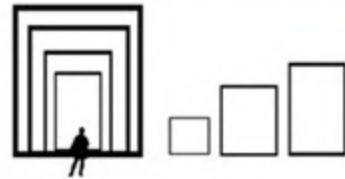
NATIONAL PERFORMING ART CENTER

The theatre was designed from the conceptual model to represent the concept of 'Reborn'.

The river is meaningful of a rebirth the city. A concept represents the size of lotus petals that are gradually bigger same as the growth of the city because site was located on downtown.

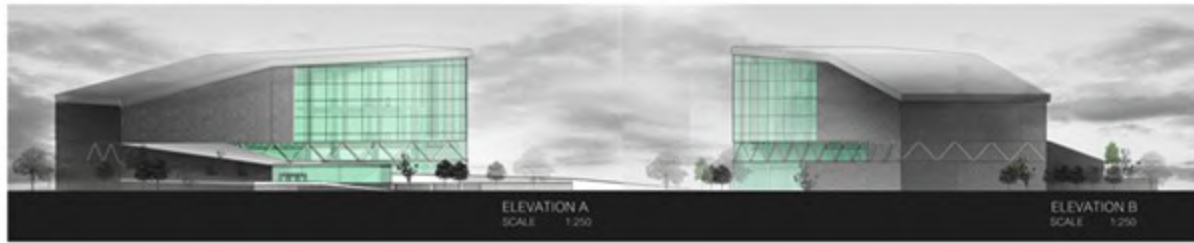
The users enter the building from two entrances; On-road and Riverside. They can perceive the space is bigger and face a panoramic city view through the glass of a higher ceiling and wider space. It gives the people realize to be a part of the city.

The building was supported by the structure of a truss to transfer a load of the main hall to the foyer below and to multi-theatre that is vertical circulation.



Reborn (adj.)
the process of being reincarnated or born again

STUDY MODEL



ELEVATION A
SCALE 1:250

ELEVATION B
SCALE 1:250



ELEVATION C
SCALE 1:250

ELEVATION D
SCALE 1:250



SITE ANALYSIS



The site is situated on the edge of Chao Phraya River on the Thonburi side below the Rama VIII Bridge.

This is buildable area where we can place the NPAC building.

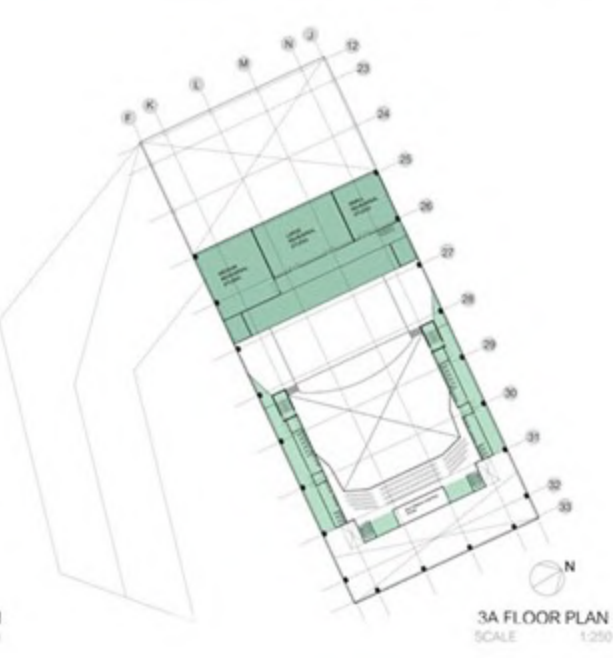
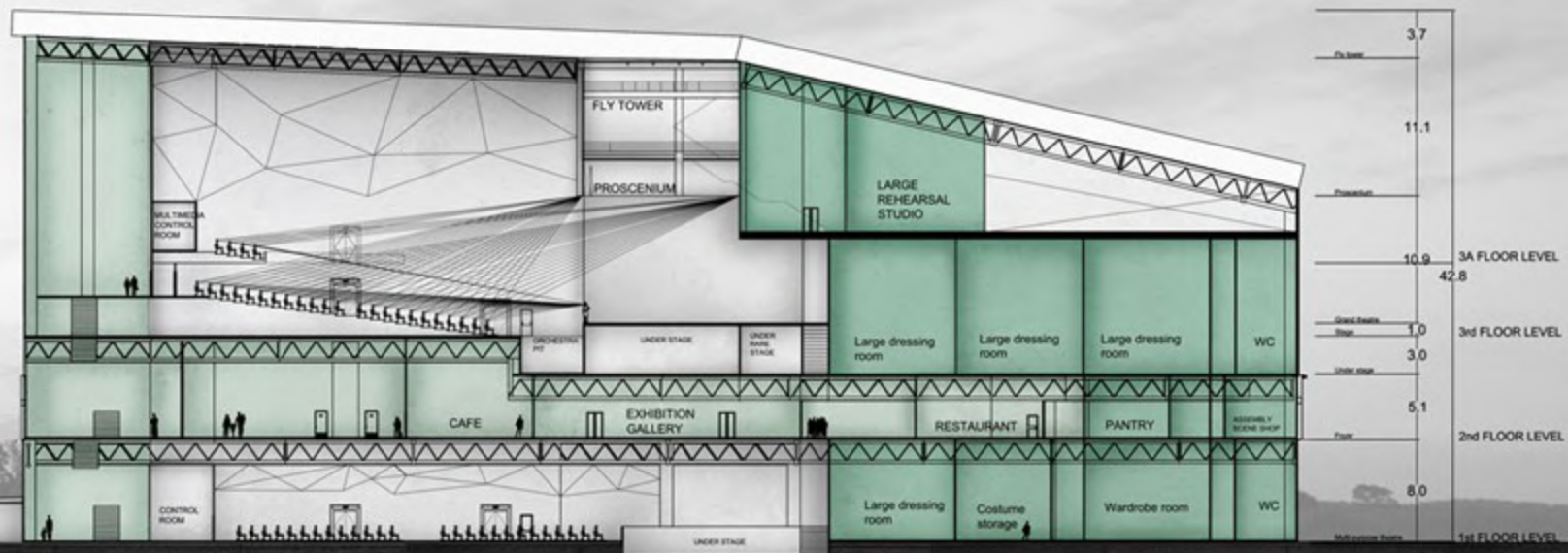
This is landscape redesign able area which we can redesign the landscape here.



SITE PLAN

Zoning details

- Stage and Auditorium
- Administrative Space
- Foyer and public space
- Back Stage space





EXTERIOR PERSPECTIVE

Following the concept of the rebirth, the building faced the river that is the origin of the city.

INTERIOR PERSPECTIVE

Users can perceive the feeling of a city through the panoramic view of the big wide glass.



07

REDEVELOPMENT OF FLOATING MARKET URBAN PLANNING

REDEVELOPMENT PLAN OF BTS WUTTHAKAT AREA

INFRASTRUCTURE / FLOATING MARKET

This isometric plan to describe the details of the proposal including to section pictures let you realize what project going on.



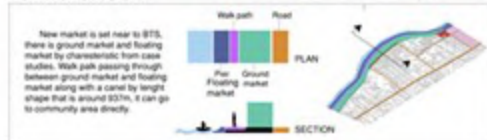
Wat Sai Ground Market



This area is local community there still is ground market and boat parking from old floating market convince for trader boat and boat parking of temple, people can use.

Road way
A. Wutthakat Rd. TO Wongwian Yai
B. Chom Thong Rd. TO Somdet Phrasao Takien
C. Ekkachai Rd. TO Rama 2 or Bang Khun Tien

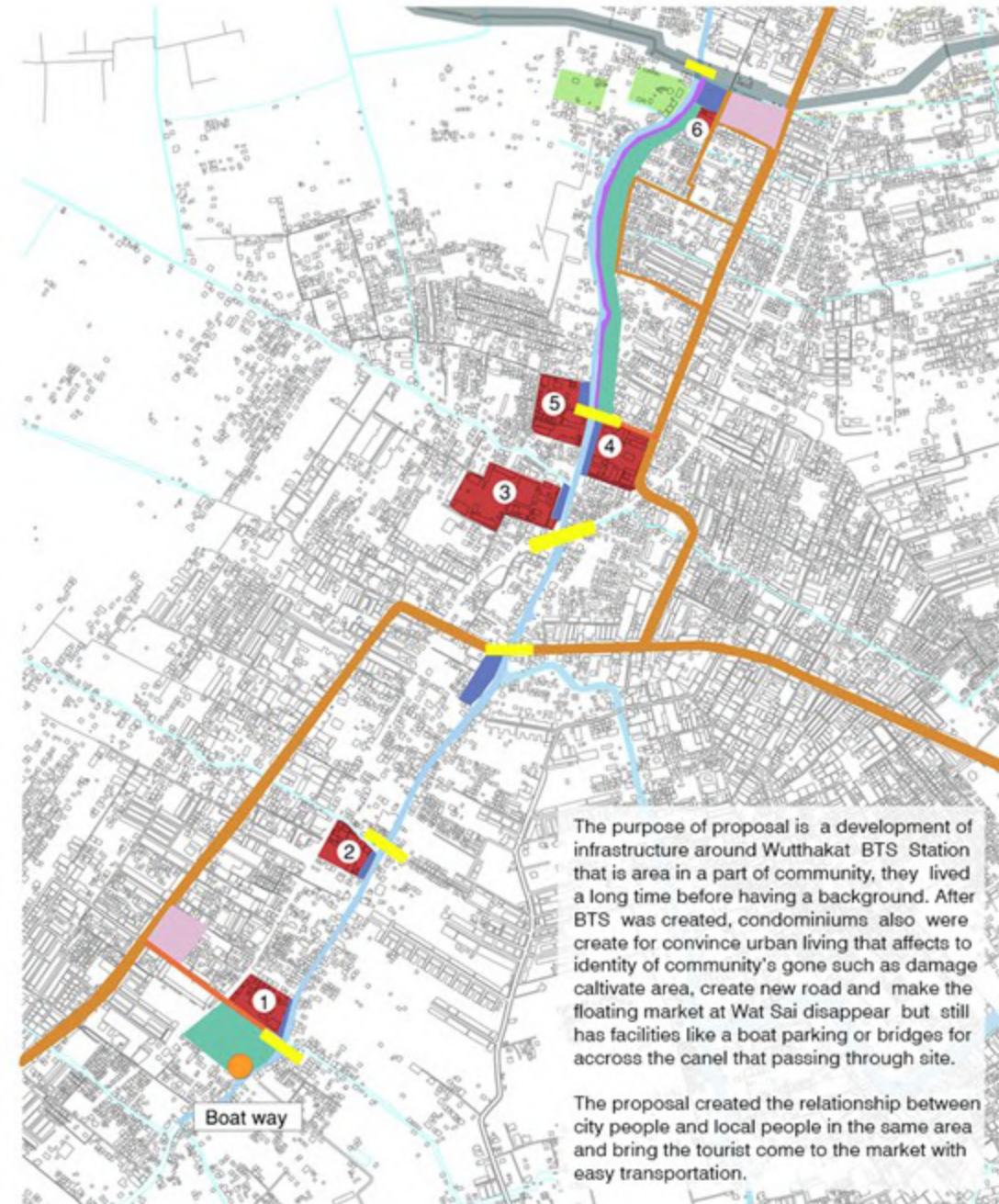
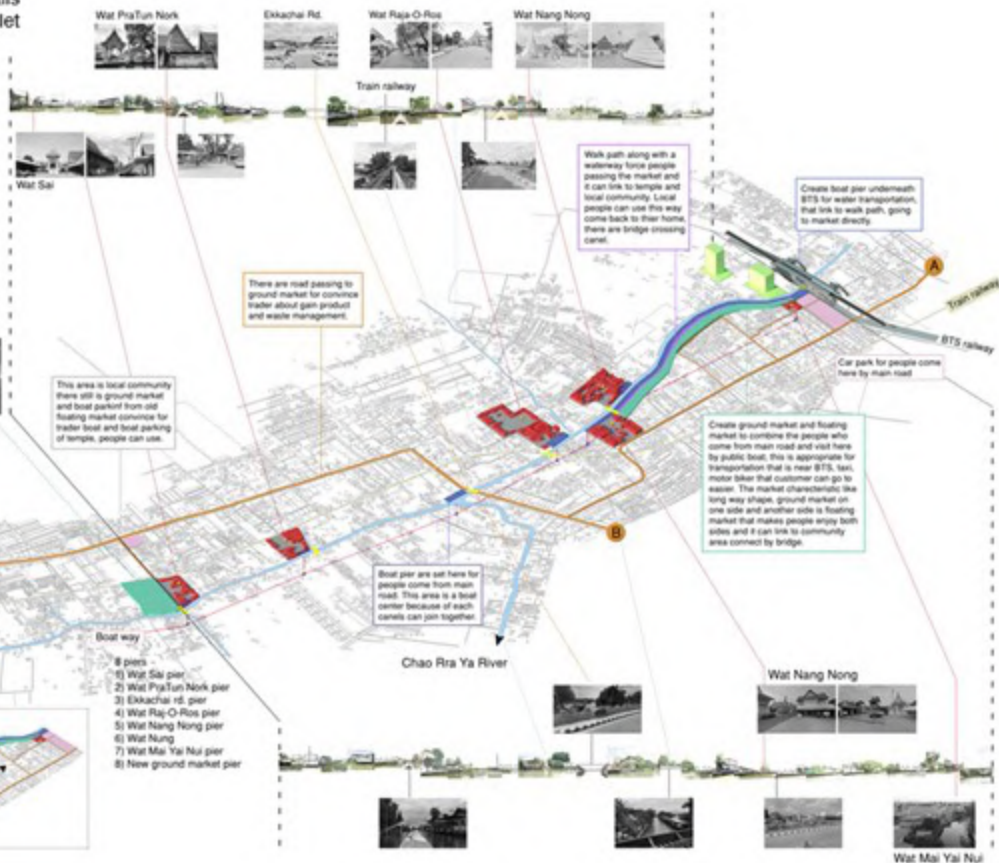
New market details



- 8 piers
- 1) Wat Sai pier
- 2) Wat PraTun Nork pier
- 3) Ekkachai rd. pier
- 4) Wat Raj-O-Ros pier
- 5) Wat Nang Nong pier
- 6) Wat Mai pier
- 7) Wat Mai Yai Nui pier
- 8) New ground market pier

The purpose of proposal is a development of infrastructure around Wutthakat BTS Station that is area in a part of community, they lived a long time before having a background. After BTS was created, condominiums also were create for convince urban living that affects to identity of community's gone such as damage cultivate area, create new road and make the floating market at Wat Sai disappear but still has facilities like a boat parking or bridges for across the canal that passing through site.

The proposal created the relationship between city people and local people in the same area and bring the tourist come to the market with easy transportation.



- 1. Wat Sai
- 2. Wat Bang PraTun Nork
- 3. Wat Raja-O-Ros
- 4. Wat Nang Nong
- 5. Wat Nung
- 6. Wat Mai Yai Nui

CASE STUIES OF FLOATING MARKET

INFRASTRUCTURE / CHARACTERISTICS

Floating markets

General organizations

Boat behaviors

Planning

Relationship between trader and customer

Informations



Damnoen Saduak Floating Market

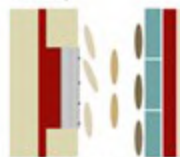


Walk path for ground market and no for shop that visit by boat

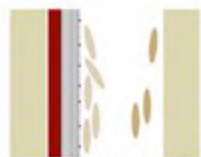


There is boat pier for tourist and shop that is trader on boat but customer on ground

- Walk path
- Ground market
- Shop



Fixed boat for trader setting shop on ground



Trader moveable boat sell on boat pier that is a wide stair and customer can rent facility boat to go along with canal to buy some stuff



Damnoen Saduak District, Ratchaburi Area: 198.87 km²

Open: everyday 9:00am - 12:00am

Organized by private company and community

Damnoen saduak canal was build to connect the river for communicating and trading 32 km. 3 provinces can visit together by boat. Villagers could sell product from their cultivate.



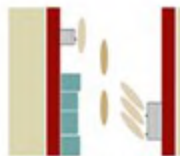
Amphawa Floating Market



There is walk paths on both sides connect by three bridge

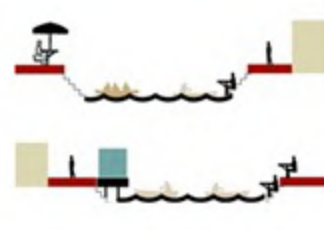


Temporary shop is fixed opposite shop on ground passing by path



- Trader moveable boat
- Trader fixed boat
- Tourist activity boat

Trader moveable boat sell on boat pier that is small stair can visible on both sides. No fixed boat and customer can go with facility boat gets view



Amphawa District, Samut Songkhram Area: 170.02 km²

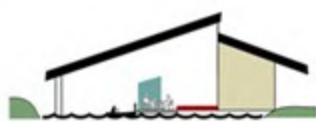
Open: Fri Sat Sun 3:00pm - 9:00pm

Organized by district officer and community

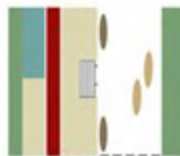
Amphawa is big community that has canal passing through, this area is easy to communicate and transport. Amphawa community is an abundant source of food from the past to the present because the villagers are the gardeners and trader mostly.



Bang Namphueng Floating Market

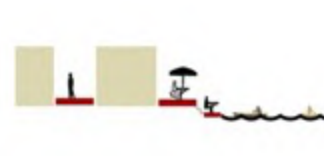
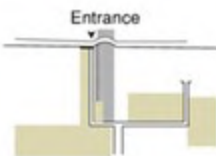


There is walk path passing ground market and boat fixed on one side Temporary shop fixed on reclaim land for garden



Only fixed boat for trader and boat rental for customer paddle by themselves

- Garden area



Phra Pradaeng, Samut Prakan Area: 18.9104 km²

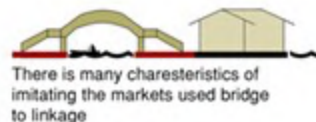
Open: Sat Sun 7:00am - 4:00 pm

Organized by district officer

This is located on agriculture area enclosed by Chaophaya river, Villager has life-style with river. They use boat to transport and contain product from garden. District office give area for floating market to distribute product from trader to customer because it came out of demand.



Ayothaya Floating Market



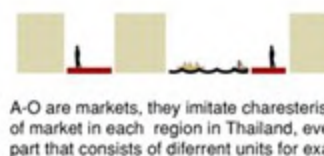
There is many charesteristics of imitating the markets used bridge to linkage



Digging a pond copy floating market



There is no trader moveable boat but fixed boat. Facility boat for customer tourist



A-O are markets, they imitate charesteristics of market in each region in Thailand, every part that consists of different units for example A is Tha Ruea market, there is 13 unit and B is Nakornluang 8 unit and Band sai market 13 unit. M, N and O are floating markets that copy Thai traditional in the past.



Phra Nakhon Sri Ayutthaya Area: 96000 m²

Open: everyday 10:00am - 5:00 pm

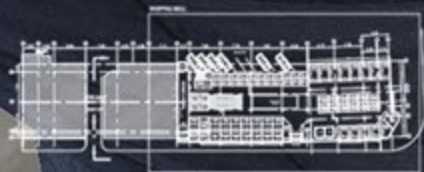
Organized by private company

Big floating market in Ayutthaya that installed by private company, there is ground market floating market. It is imitated Thai traditional and Thai local lifeatyle. Ayothaya floating market has 249 trades in present, 50 boats for sell food, 40 stores for tradintional market and 159 others.

08 VICTORY MALL

The project located on Victory Monument, Bangkok. I participated in doing the 3D model and the construction drawing in part of renovating the shopping mall that showed my skills to render presentation and design the new facade and overpass gateway in the entrance.

The conceptual idea got inspiration from the futurist architecture and design the outstanding building to be the new landmark beside the Victory Monument.



1st FLOOR PLAN



2nd FLOOR PLAN



3rd FLOOR PLAN



4th FLOOR PLAN



5th FLOOR PLAN



6th FLOOR PLAN







MOOD BOARD

New York City's Soho architecture that is well-known a largest collection of historic cast iron architecture to inspired the mall being a big community.



09 J VILLA, BANG PAKONG

The concept of house in real estate project keeping to be simple and limit to construction cost that is almost to imitate the main character of any style. My intern's experience to learn to design in European architecture and bring out its identity.

The single-house that was designed following the concept of English style.

Area: 110-120 sq.m.

4 Bedrooms

2 WC

2 Parking lots

The construction drawing made by precast concrete.

The single-house that was designed following the concept of English style.

Area: 120-130 sq.m.

4 Bedrooms

3 WC

2 Parking lots

The construction drawing made by precast concrete.



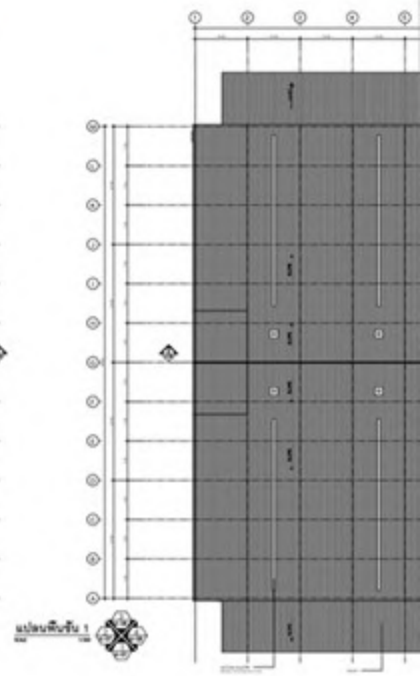
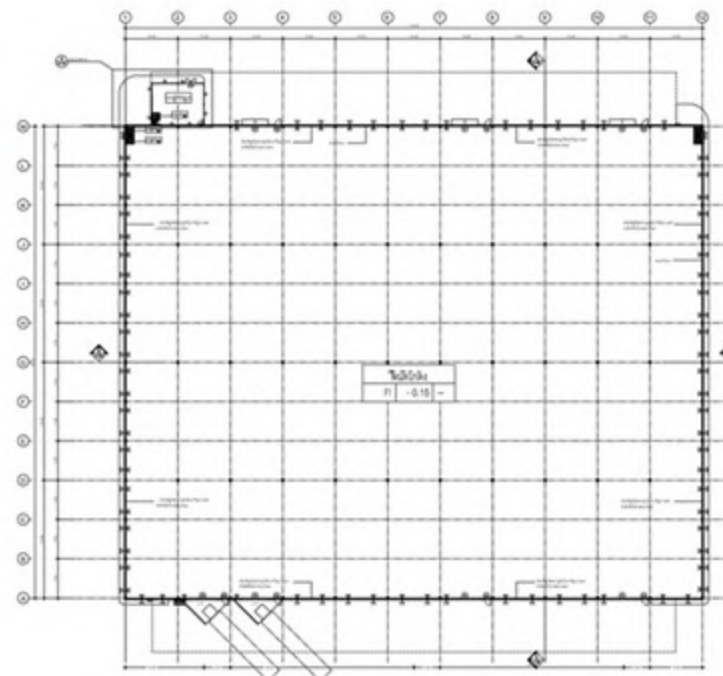
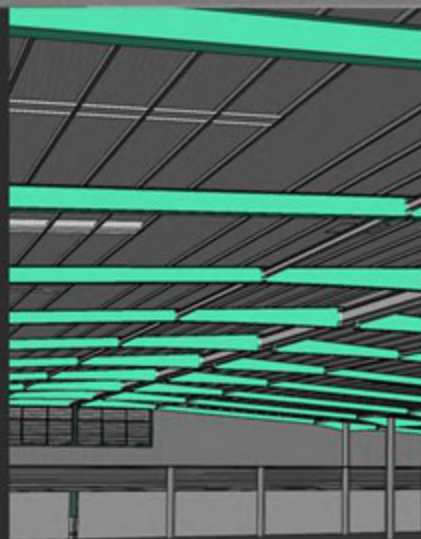


10 THATAFITA WAREHOUSE RA YONG

The project located on Ra Young. The area is 9,900 sq.m. I participated to design and manipulated site planning for the truck circulation. The warehouse is designed for rental, the first impression of design is important.

Therefore, the concept design is modern contemporary, I chose the color of green turquoise to be a distinctive point of this project. The building was separated into a warehouse for stocking area that connects to a loading dock and each zone has its own office.

Besides, the planning and design, I was responsible for doing the 3D model and all drawings of the building for use in the construction and for permission.



11

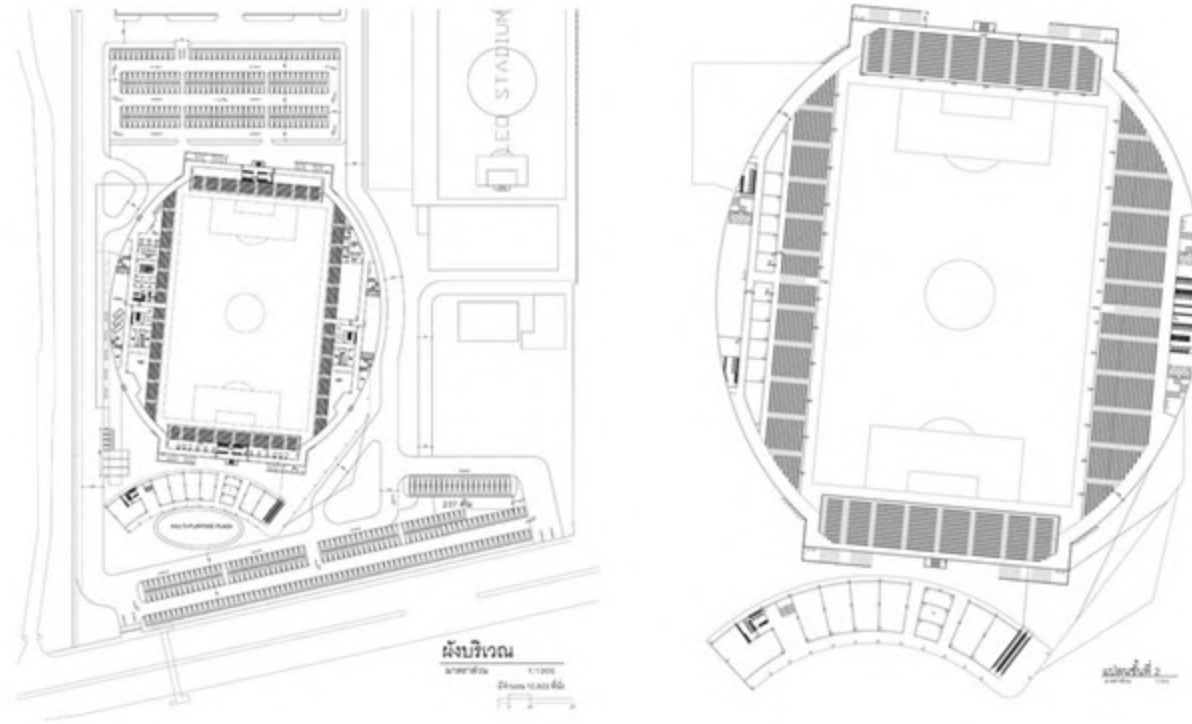
LEO STADIUM PATHUM THANI

The project located on Pathum Thani. I participated in a part of preliminary design to do the design development and drawing on CAD and facade design in the 3D model.

The capacity of the stadium is 10,803 seats and the net area that includes the community mall and parking lots is 57,108sq.m. A concept design depends on seating following the laws and regulations. The shape of the stadium is a circle for enclosing the field inside. The facade is designed to care for the ventilation that can interact outside.



DRAWING

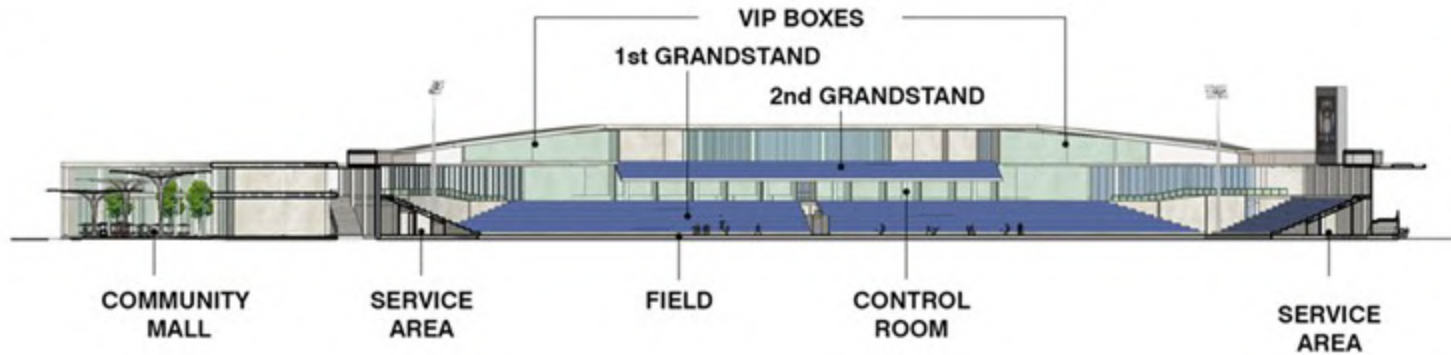


FACADE DESIGN



The facade is designed from the shape of the stadium, on a vertical line of a round shape. In each element that is twisted in different angle and color to variety visualization.

SECTION



Exterior perspective

Community mall

Field

Facade

Entrance





PHOTO- GRAPHY

FUJIFILM X30

CINEMATIC PHOTOGRAPHY

A photo like a screen grab from a movie. It involves controlled the lighting and the composition, lens choice and model direction. And some post-processing know-how.





VACUITY 28 ep.
 ถัดรอบตัวทุกคนคือ อากาศ
 ระหว่างพวกเราคงเป็น สัญญากาศ



ONCE A WEEK 28 ep.
 Their body weren't touching
 but in those day, they can.



BETWEEN US 16 ep.
 When do you love me?
 Second tattoo.

CONTENT CREATOR

44 stories was written under a pseudonym
 'ipinockio' and 'tmmorning'



BE MELLOW (2015)

Ideal book for fan fiction
 The concept is like as the
 manga comic, each part in
 a front cover to expose the
 story of 5 short fiction.



BETWEEN US (2016)

Ideal book for fan fiction
 The concept focuses on
 the character of two leading
 roles who are singer and
 guitarist including the items
 represented them.



TOUCH & STAY (2018)

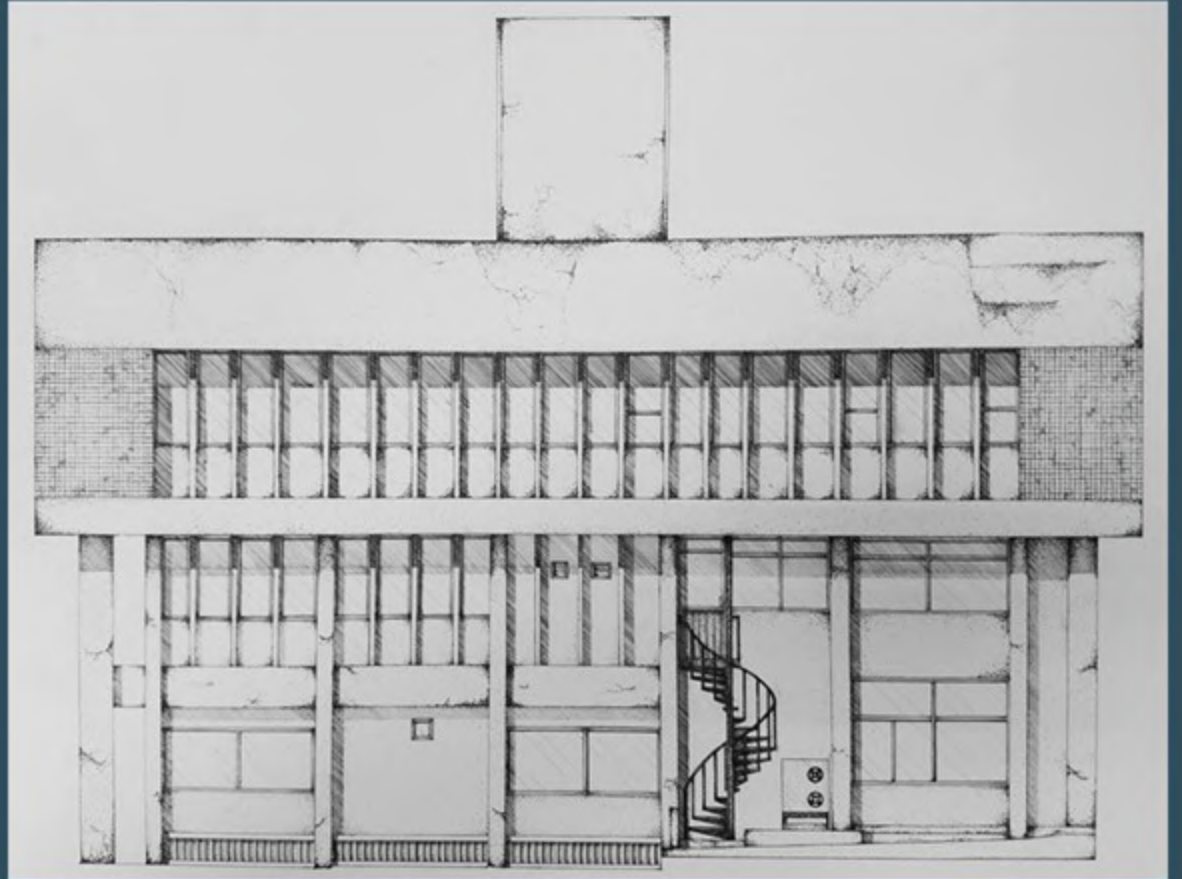
Limited book for
 fandom's meeting
 The concept is a diary
 of two people so, the cover
 represents the kinds of stuff
 that were used in daily life.

VERNACULAR ARCHITECTURE DOCUMENTATION

It is a simple drawing technique which requires the use of pencils, pens and ink to record the details as seen with the naked eye.

It yields intricate drawings with shadows and dimensions that look exactly like real objects.

VERNADOC



WORKSHOP_2016

THE ROYAL PROJECT1: LANDSCAPE FIELD TRIP AT FANG, CHIANG MAI



Project purpose

1. Tourist Attraction
2. The Royal Project
3. Local community

The project that I was a part of Layout planning, I realized user and site analysis by surveying in their community to create zoning, and to study Integrated farming System including a kind of plants which is the identity of community.

CAMP_2017

IYF WORLD CAMP: CULTURE CAMP CONVENTION HALL, KMITL



ARSA_2019

VOLUNTEER OF ARSA TAWANYIMCHANG BAAN KOKJUNE SCHOOL, PUA, NAN



EXHIBITION_2016_2018

OUT OF SIGHT :ARCHITECTURE EXHIBITION 2016 AT KNOWLEDGE EXCHANGE CENTER (KX)



ARCHI-HOLIC : ARCHITECTURE THESIS EXHIBITION 2018 AT YELO HOUSE

