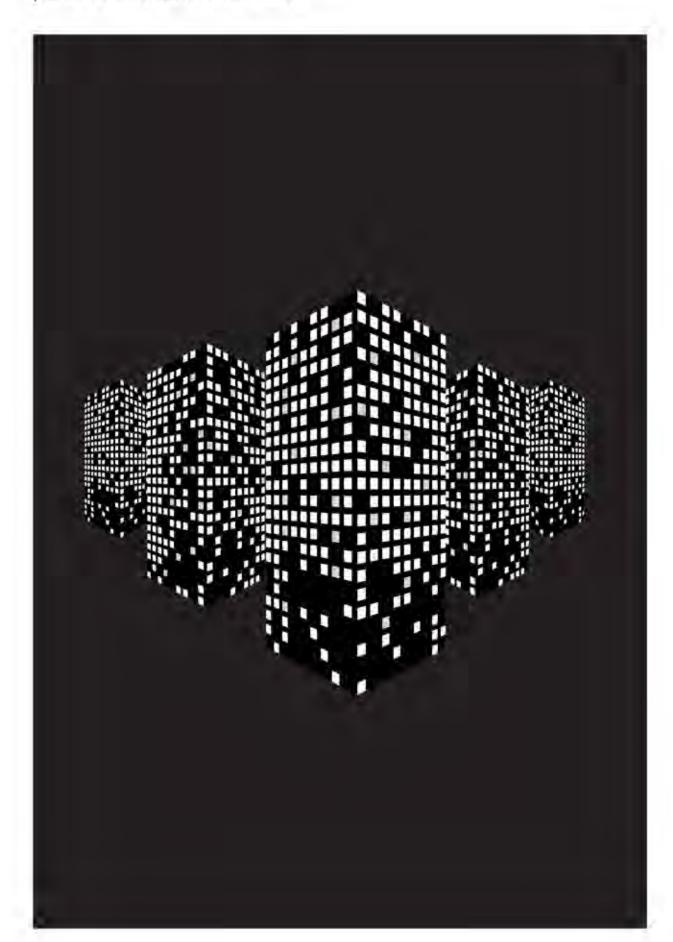
## **PORTFOLIO**

CHUTIKARN LERTCHAIPORN



2nd Year's Project 1st Project Thainess Pavilion			
2nd Year's Project 2nd Project The Author House	2nd Project		
ct		d Year's Project 3rd Project Refugee Camp	2
4			2nd Year's Project 4th Project Boutique Hostel
3rd Year's Project 1st Project Condominium			
3rd Year's Project 2nd Project	2nd Project		
ct		d Year's Project 3rd Project chitecture 2030	
8			3rd Year's Project Elective Course Parametric Design
4th Year's Project Elective Course Revit - Mercedes Benz Showroom	Revit - Mercede		
4th Year's Project 1st project  5 Stars Hotel	1st project		
ect	t	th Year's Project 2nd Project Future Urbanism	
12		t	5th Year's Proje Thesis Proje Water Future Urbanis
Internship Period 3			





Architecture (International Program) School of Architecture and Design(SoA+D) King Mongkut's University of Technology Thonburi(KMUTT)

Date of Birth: 19 January 1996

Nationality: Thai

#### Contact



089-440-4006 Chutikarn.lertc@gmail.com Bow Lertchaiporn Communichn







59/65 Bangbon3 Rd., Soi12., Laksong, Bangkae, Bangkok

#### PERSONAL STATEMENT

Well-organized, considerable, good teamwork but easy going and kind. A fresh graduated student of Architecture program at SoA+D, KMUTT. Creativity, analytical skills, independence, self-awareness and have computer literacy skill. Fluent spoken and written English. Interested to work in every field of architeture and design. Highly interested in designing concert hall, convention center and

#### **EDUCATION**

2014-2018 School of Architecture and design KMUTT

2011-2013 Kornpitack Suksa School

2002-2010 Sarasas Witaed Bangbon School

#### **DESIGN SKILLS**

SOFTWARE SKILLS DRAWING

#### Autocad

3D & RENDERING

SketchUp Rhinoceros

Grasshopper

#### BIM

Revit

GRAPHIC & PRESENTATION

Adobe Illustrator Adobe Photoshop

PHYSICAL MODEL SKILLS

Laser Cutting Model

Hand Cutting Model

CNC and Vaccum Model

#### **EXPERIENCES**

Exhibition/Presentation/Competition/Workshop



LANGUAGE SKILLS







Refugees Camp Project(2015) 1 of 10 chosen project in class chosen by the external guest



Out of Sight Exhibition(2016) at Knowledge Exchange Center (KX Building) 2 projects exhibited (refugees camp & Boutique



by Ocean New Line Company(2016) 1 of 10 chosen project (refugees camp & Boutique Hostel



- Musical Instrument: Piano, Guitar, Ukulele, Dulcimer
- Taking Photography(and editing)
- Travel to new places around the world





Architecture 4.0 Exhibition(2017) at Knowledge Exchange Center (KX Building) 1 project exhibited (SoA+D 2030)



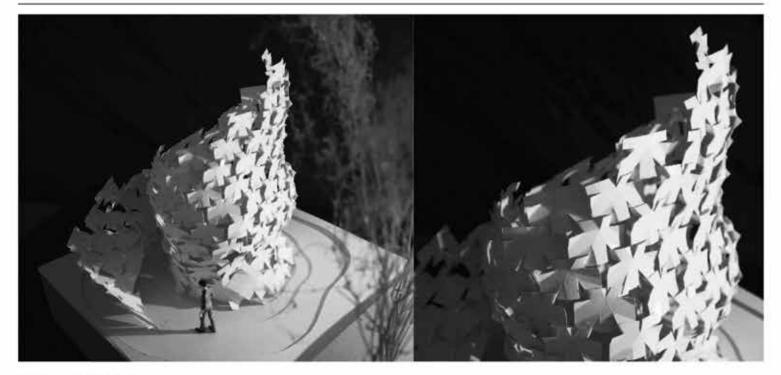


Japan 13 Days Workshop with Kanagawa University to develop Gumyoji Area



at RAD studio

Driving: Private car driving license



#### Project Description

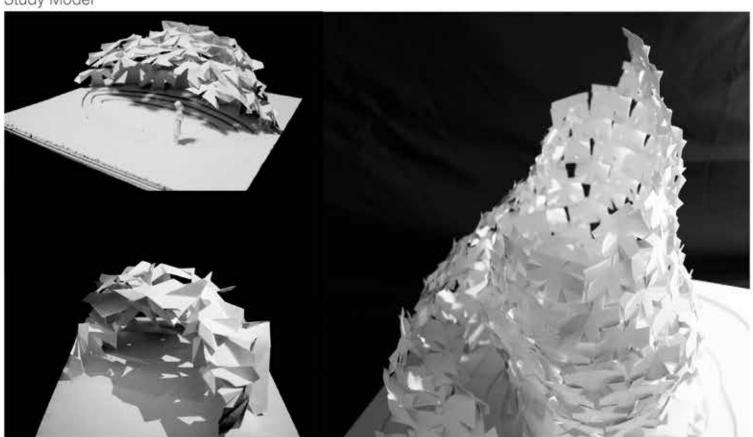
This project is to design the pavilion inpired from the stuff that represent Thainess. So I choose 'Phan-Poom' to be the inspiration of this Thainess Pavilion.

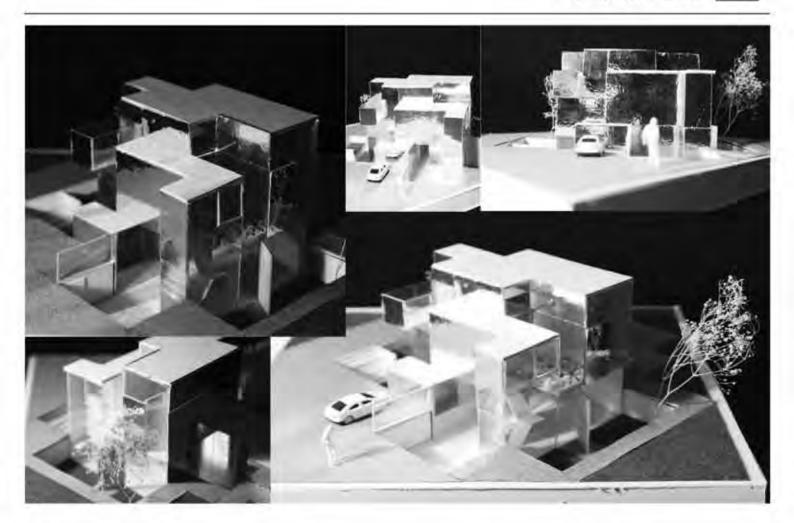
#### Concept

"Deconstructed Phan-Poom"

This is the unfolded of phan-poom's elements and reconstruct it in the new way. The form of this pavilion come from the unfolded of the whole shape of Phan-Poom(like the lotus shape) by cover the whole Phan-poom with the clay and unfold it. And the unfolded small elements become the wall components in the new way construction.

#### Study Model



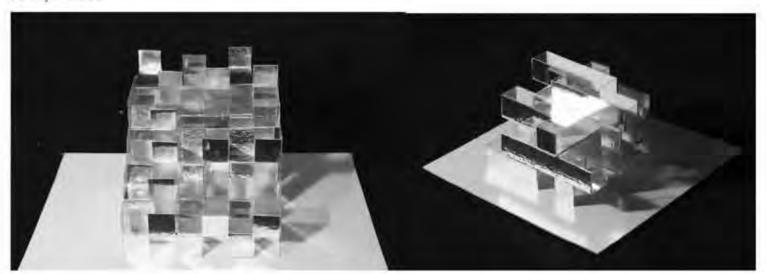


#### The Author House

Students will work on the residential design for one user. He or she is an illustrator and author for children book. Spaces required for user will be place a creative working space similar to studio space. The children book private library and collection is also one of the main space requirement. Beside specific space requirements there are general requirement space for sleep, cook and have food. Students should derive the design from the children book that has been selected for the narrative design skill.

The combining of design process from narrative children book, the space requirement and user's character is the design challenge.

#### Study Model

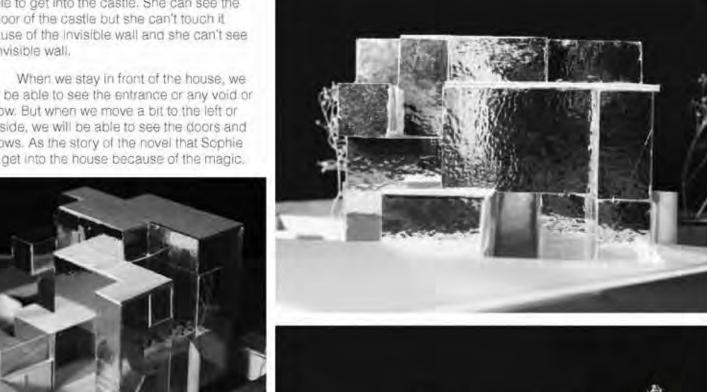


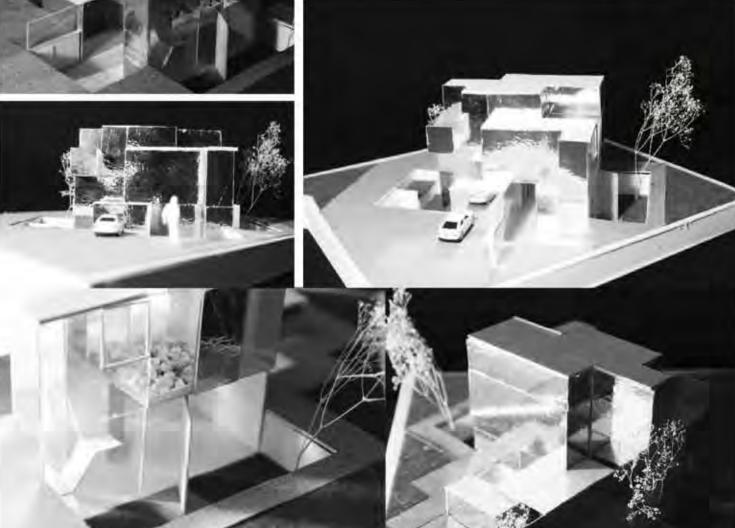
#### Concept

This house come from the novel names 'Howl's Moving Castle' . I focus on chapter 3 that is the moment when Sophie see the castle and want to get into the house but she can't touch the door because of the protection of invisible wall that made by the majic of Howl that is a wizard.

Invisible wall makes Sophie to be unable to get into the castle. She can see the the door of the castle but she can't touch it because of the invisible wall and she can't see the invisible wall.

When we stay in front of the house, we won't be able to see the entrance or any void or window. But when we move a bit to the left or right side, we will be able to see the doors and windows. As the story of the novel that Sophie can't get into the house because of the magic.







This project is to design like a nursery of children in the refugee camp. So I decided to use natural material to build. And it is the temporary, so I have to concern about decontruction and it has to be finished in a short period of time.

#### Research

Refugee Children's need

- Happiness
- Warmth
- Good Health
- Good Society

#### Inspiration

'BIRD NEST'

#### Form

The forn of bird nest is curved shape that made warm feeling.

So, we will feel warm when stay inside.

#### Meaning

Bird is the animal that very love their babies. Bird Nest made by the weaving of many tiny pieces of grasses and leaves. Parent have to try very hard to make the nest for their babies.

#### My Hypothesis

I think that if the site is in Thailand, it will be at the Western and the North-Werstern part of Thailand because we have some wars with Myanmar. So, the site would be there at Maehongsorn, Kanchanaburi, Tak or Ratchaburi.















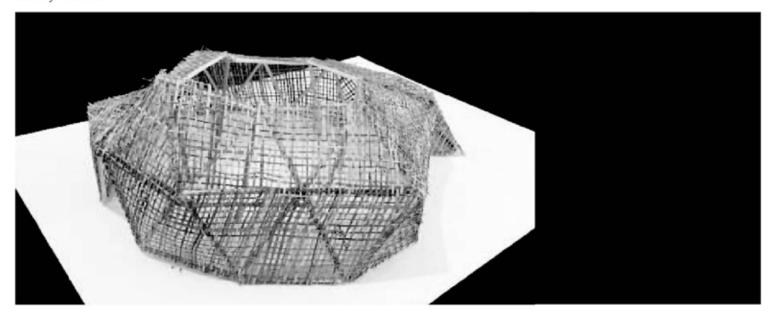










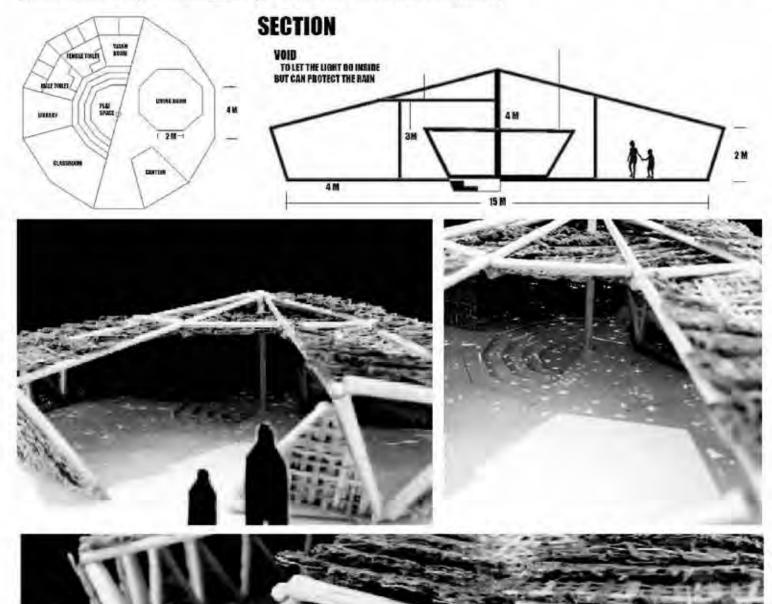




#### Concept

According to the inspiration, I decided to use the form of bird nest and the way that the bird use to build their nest to design the shelter.

When children stay in this place, I want them to feel warm and feel like flapper that recieve the love from their parents. (Some children is orphan that lose their parents because of the wars or disasters)

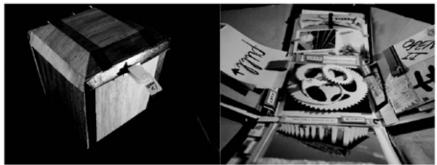


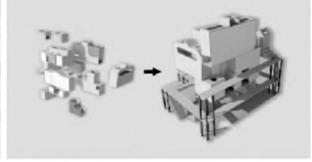


Hospitality design and the creation of a uniqe "Thai" experience are the main focus in this project. Bangkok, as the capital of Thailand, is one of the world's top tourist destinations with many travellers searching to enjoy the many various possibilities of experiencing the city and its country. Students are thus required to experience and learn about unique preferences of of their self selected visitors.

The project site, a classic building phenomina of Bangkok, is conextualized by three existing shophouses that require for a conversion into a boutique hostel.

The shophouses can be interconnected on all three floors. Further, students are allowed to extend the building, i.e. to provide access to the roof for facilitating hostel functions. The design is required also to comply with building code, law, and regulations such as fire escape stairs, openings for natural light and fresh air ventilation, as well as the keeping the front line of existing facade for consistency of existing the urban scape.





We focus on the form and character of

each attractions in Bangkok to design each units of

this hostel. Then we design a function to be hiding

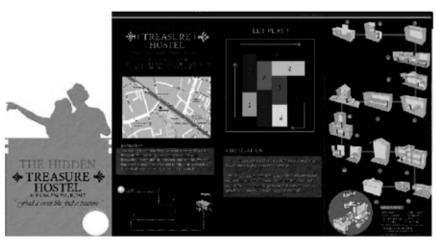
the bedroom by the different level of the floor.

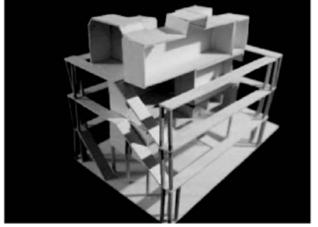
#### Inspiration

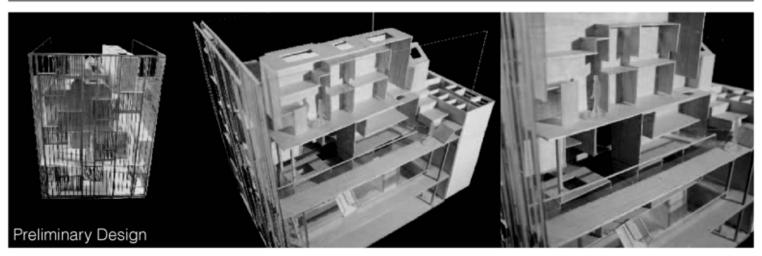
According to our traveling, we found that each places that we go represent nthe history and story of Bangkok. So, the attractions is like the treasure that we have to keep for the next generation.

We went to many places in Bangkok. Almost every places are concerned with Bangkok's history such as museums and temples. We think that every places have to be kept for the next generation. So, each places are like the treasure of Bangkok.





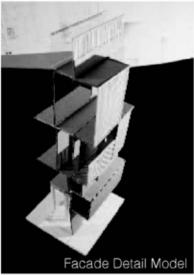




#### Concept

'The hidden(treasure) boutique hostel
Come to play the finding treasure game with us.
Find a bed like find a treasure
The room of hostel are like the treasure that we have to find.
attractions = treasure of Bangkok
bedroom = treasure os hostel











#### DESCRIPTION

THIS PROJECT IS TO DESIGN THE MID-RISE CONDOMINIUM FOR THE BABY BOOMER AGE(PEOPLE ABOVE 60 YEARS OLD)

#### INSPIRATION

IN MY OPINION, I THINK THAT SOME OF BABY BOOMER'S LIFE IS BORING IN THE PAST OF THEIR LIFE BECAUSE THEY HAVE BBEN LIVED THEIR LIFE FOR ALONGTIME, SOMETIMES THEY MAY BE FACED TO MANY PROBLEM OR SOMETHING THAT MAKE THEM FEEL UNHAPPY. SO I WANT THEM TO FEEL HAPPIER AND MORE ENJOY WITH THEIR LIFE BY DESIGNING THIS CONDOMINIUM BY USING THE FORM OF MUSIC WAVE THAT IS INTERESTING AND LINK WITH THE MAIN PROGRAM THAT IS A CONCERT HALL AT THE CENTER COURT OF THIS CONDOMINIUM THAT MAKES PEOPLE FEEL RELAX AND IT WILL TREAT THEIR MOOD AS A MUSIC THERAPY.

#### CONCEPT

I DECIEDED TO DESIGN THE FORM OF THIS BUILDING BASED ON THE FORM OF THE MUSIC WAVE AND PLAY WITH THE SIZE OF BALCONY OF EACH ROOM AND ALSO AT THE SHARED BALCONY AT THE CENTER OF THE BUILDING THAT LINK WITH THE MAIN PROGRAMMING THAT IS THE CONCERT HALL.

#### DESIGN SOLUTION

THE FORM OF THIS BUILDING BASED ON THE FORM OF THE MUSIC WAVE AND PLAY WITH THE SIZE OF BALCONY OF EACH ROOM AND ALSO AT THE SHARED BALCONY AT THE CENTER OF THE BUILDING.



#### SOME OF FLOOR PLAN EXAMPLES





#### SOME OF FLOOR PLAN EXAMPLES

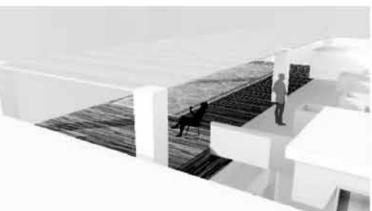




#### **PERTSPECTIVES**







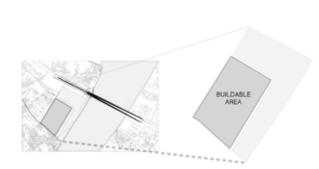






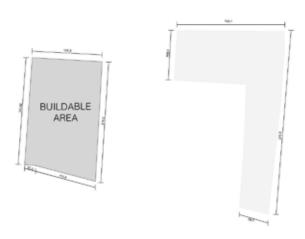


This project is to design the 'Community Cultural and Contemporary Art Center'(CCCAC) the program contains many activity so we have to do a lot of user and program analysis before start designing this project.



#### INSPIRATION

ACCORDING OUR RESEARCH AND SITE ANALYSIS SO WE START TODESIGN OUR PROJECT THAT LOCATION OF THIS AREA HAVE LONG HISTORY ABOUT COMMUNITIES, ONE OF THEM IS BAAN POON THAT HAVE A LONG HISTORY SINCE EARLY RATTANAKOSIN. WE INTERESTED IN THIER HISTORY, CULTURE AND THEIR KNOWLEDGE THAT CALL "BETEL NUT". SO WE CHOOSE THIS THING TO BE OUR DESIGN CONCEPT BECAUSE THE FORMS AND THE MEANING OF IT BY START TO DECONSTRUCT THE WAY OF FOLD BETEL NUT THAT BE OLD THAI TRADITIONAL AND REDESIGN IT TO MAKE COMMUNITY & CULTURE MUSEUM THAT WILL BE THE PLACE FOR GATHERING PEOPLE IN THIS AREA AGAIN SINCE THEIR WAS SEPARATE WHEN THE RAMA VIII WAS BUILT AND TO BE PLACE THAT LET PEOPLE INAND MAKE THIS AREA ACTIVE AGAIN.



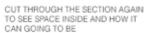












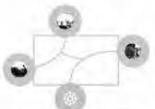




SIMPLIFY IT TO BE MORE IN GEOMETRY FORM FOR EASY TO CRATE PROGRAMING INSIDE BUT STILL KEEP CHARACTER OF BETEL

#### SITE ANALYSIS

THE RAMA VIII BRIDGE WAS BUILT TO SEPARATE THE COMMUNITY SO IT CAUSE EFFECT TO COMMUNITY MAKE THEM INACTIVE THAN BEFORE EVEN THEY BUILT PARK TO BE AREA FOR PEOPLE IN COMMUNITY TO USE BUT THE EFFICIENCY NOT GOOD ENOUGH THEN PEOPLE COME TO THIS SITE JUST FOR FREETIMES BECAUSE THERE ARE NO ACTIVITY OR THINGS TO ATTRACT PEOPLE TO COME TO THE SITE, SO WE DECIDE TO DESIGN FOR COMMUNITY AREA TO MAKE PEOPLE IN THIS COMMUNITY TO GATHERING AND HAVE ACTIVITY FOR PEOPLE TO DO TOGETHER AND MAKE MORE ACTIVE FOR THIS AREA BY PLACE ORIENTATION OF THE MUSEUM FOLLOW THE LOCATION OF COMMUNITY AND CREATE THE WALK WAY TO CONNECT EACH PART TOGETHER



TRY TO CONNECT EACH COMMUNITY TOGETHER BY USE THIS SITE TO BE LIKE COMMUNITY COMPLEX



CREATE WAY THAT CONNECT EACH COMMUNITY AND ALSO CONNECT BOTH WAY TOGETHER



USE THIS SITE TO BE LIKE CENTER OF THE COMMUNITIES SO WE GOT THE ORIENTATION OF THE BUILDING







Model



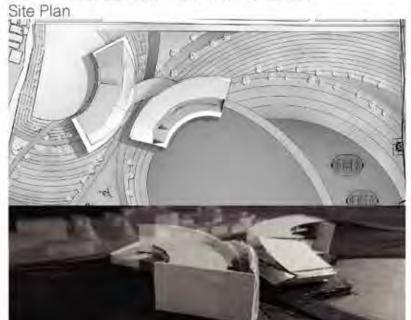
the orientation of the building relate to community that be late autrounding the respond the design concept to connect ouch community together to make this area become lively (HEDH)



Divide the enentiation that provide to be both of building and the contralien that help people to come to this site and make il active ngan

#### Concept

The form of this cocac come from the cutting of betel roll in the horizontal and vertical way. The elevation of this building come from the section when we cut the betel roll and the curved wall come from the form of the betel.









#### PROJECT DESCRIPTION.

This project is to design the School of architecture. The site is in the KMUTT Bangkhuntien campus, (the place that I'm studying)

The concept of the school have to be from the "Biomimicry" (plants or animal) and we have to use the "Rhinoceros" program with "Grasshopper" plug-in to create the form of the building by the idea of biomimicry.

We also have to create our own curriculum of this school by using the characteristics of our choosen biomimicry.

#### CURRICULUM

"Community Base Learning"

Student have to learn by sharing with other, work togegether to have good teamwork and doing on their own duties by good time management and responsibility.



The relationship between bee hive and the community base curriculum is,

- -Bee is the animal that have its own specifically duties and they work in the team by helping each other to make their work successful.
- -The curriculum is "community base learning that students will learn and work in a team to make them having teamwork and well communicate with other when they are grow up and go to work.

















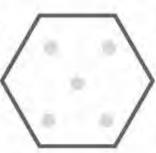
Drone cells, 6.25 mm (4 cells/inch)

Queen cells, 25 mm (1 inch long)

#### CONCEPT

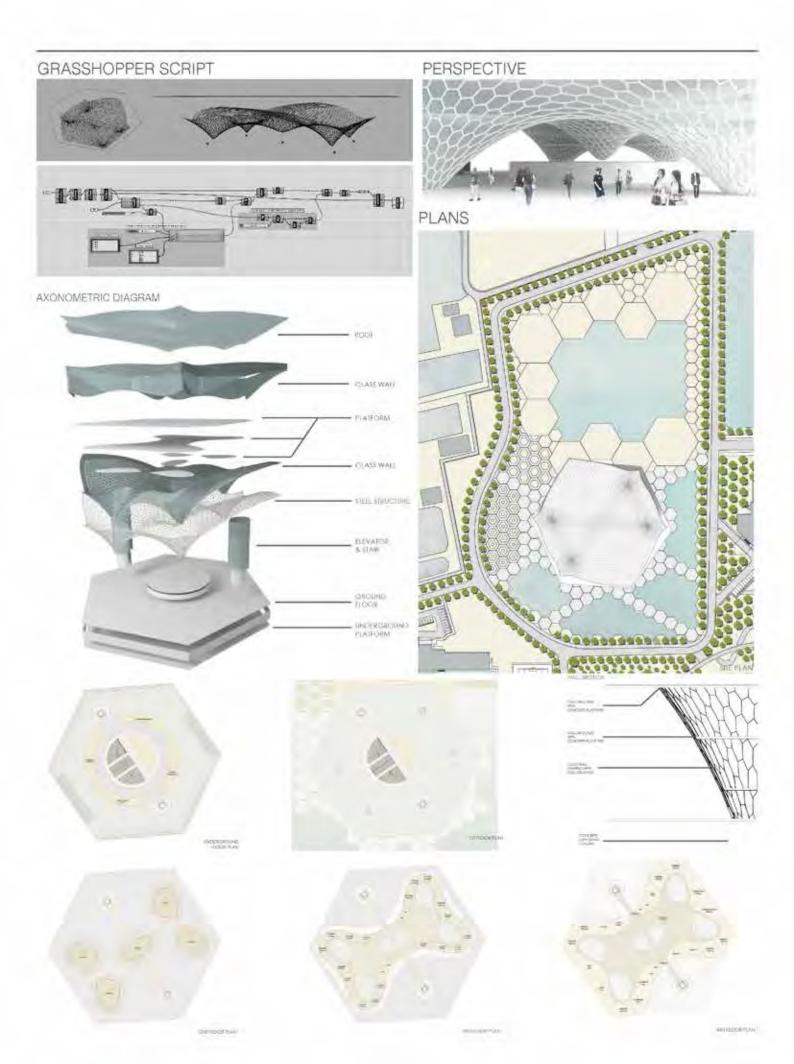
5 years = 5hives

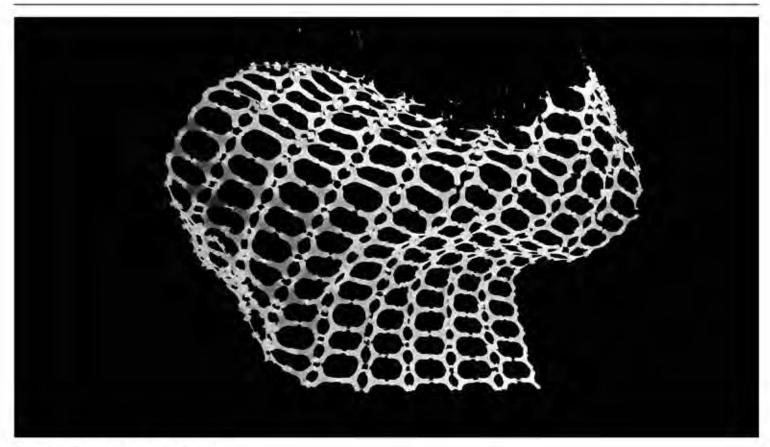
Students will learn and work separated in the own nive(as each year studio) and finally comunicate with other years by presenting at the jury hall at the center of the building.



#### Process of design

- Draw the hexagonal snape (Beenive's characteristic shape)
- Set 5 attractor point as 5 years studio
- Pull the hexagonal mesh to the points to make if be the organic shape like beenive's shape.
- Draw the upper platform to be use as supporting facilities and administrative zone and each hive are use as the studio and minigallery.



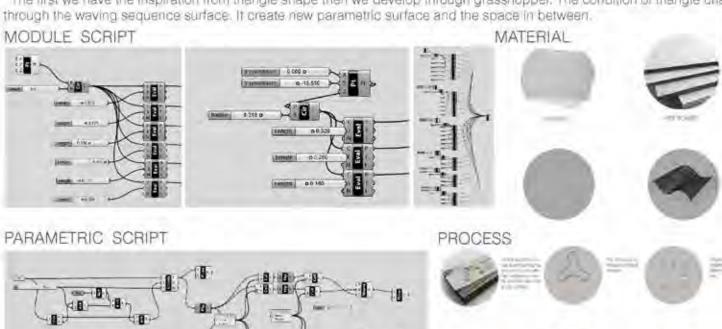


#### CURVY TRIANGULAR WAVE CONCEPT

#### "curvy triangular wave"

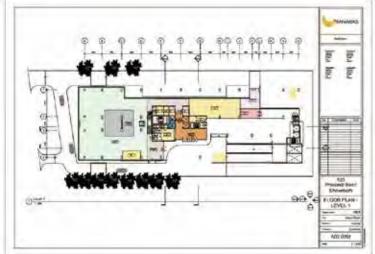
We design this parametric surface by the combining of many triangular shape together. But we apply it to be more curvy by mapping the circle on each corner and each side then trim it.

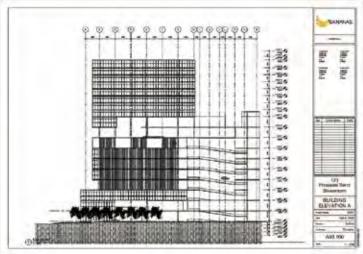
The first we have the inspiration from triangle shape then we develop through grasshopper. The condition of triangle change

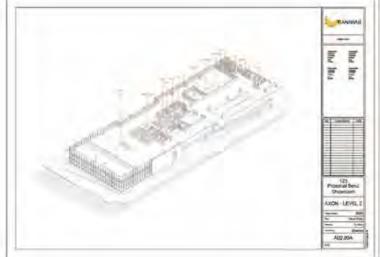


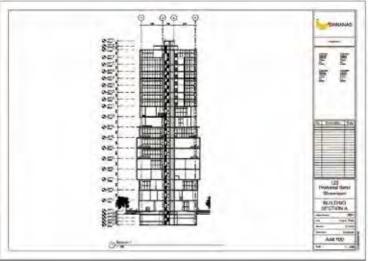
10-10

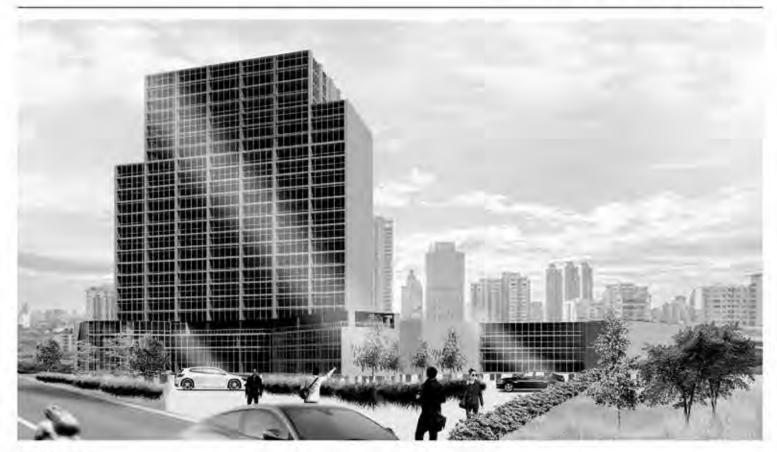










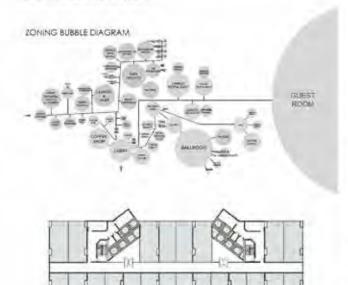


#### CONCEPT

This site is located beside 'We love the kind road' so I use the 'Golden Shower' (Ratchapruek) tree that is the tree of Thailand to be the inspiration for this hotel design.

#### **DESIGN PROCESS**

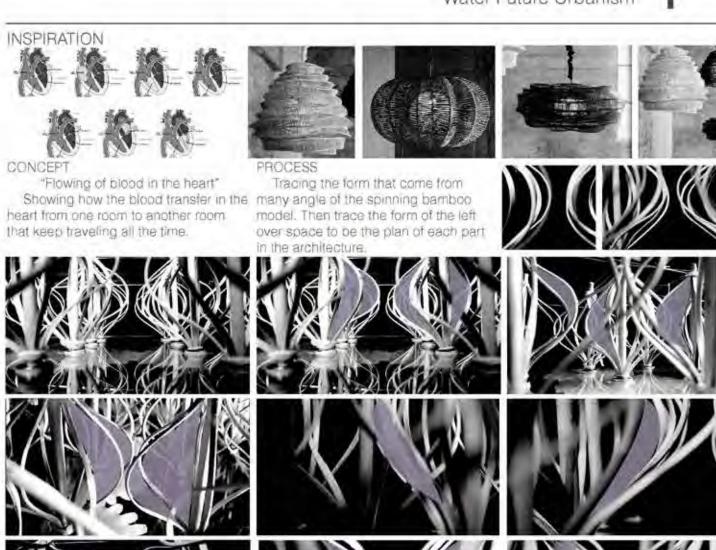
I try to draft the outline of the shape of the selected Golden Shower Tree to be the guideline of the podium part's plan and draft the outline shape of the flower branch to be the shape of the tower(elevation side).







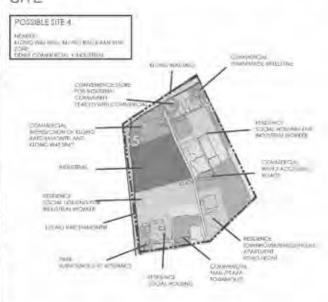


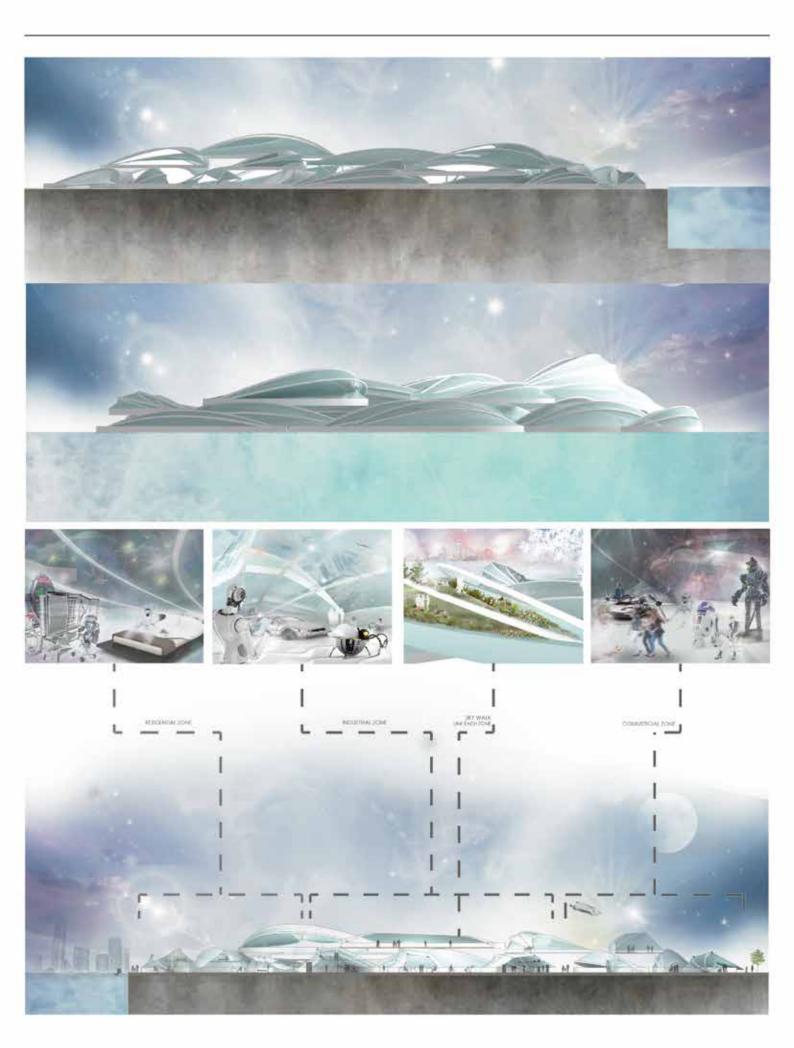






#### SITE







INSPIRATION.
DESTRUCTOR OF CONSENT RELITION OF IN LINCOLD DOM: WHICH PLANTED IN MARKET THE MARKET TO BE THE PROPERTY OF THE PR

#### THESIS STATEMENT

An individual singer and insulation community to give interespondurally and quality of title to the individual singer and insulation. One heiging develop complies district

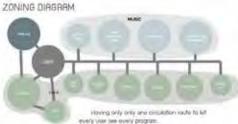
#### THESIS QUESTION

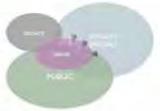
- What kind of space will be subtitied for variety kinds of progress?
   How the price can related the meet of people by suring architectural design?
   Fine the place can related in twe construction.

### CONCEPT









and shaling space between public and private program by providing sharing space between 8 Foogle is sharing upose can also see the existing. music program by doesn't have to dicturb the privacy

#### USER ANALYSIS







fee exposition



Charoenkrung (Bangrak tide)

Greative District Near TODC Many of helioge

Own by CER (Creative Economy Agency) Owner of TCDC





Creative District















#### 2ND FLOOR PLAN

- 1 Music Practice Room
- Type R (9 sq.m.) 2 Music Practice Room Type B (20 sq.m.)
- 3 Storage 4 Janifor Room
- 6 Storage



#### 3RD FLOOR PLAN

- t Music Practice Room
- Type A (9 sq.m.) 2 Music Practice Room Type B (20 sq.m.)
- Type B (20 sq.m.)
  3 Music Practice Room
  Type C (30 sq.m.)
  4 Music Knowledge Room
  5 Music Lab
  6 Music Lounge
  7 Storage



#### 4TH FLOOR PLAN

- 1 Lecture Room 2 Meeting Room 3 Co-Working Space 4 Music Knowledge Room 5 Music Lounge
- 6 Bollery 7 Storage



#### 5TH FLOOR PLAN

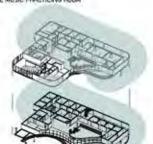
- 1 Record Room R
- 2 Studio Control Room R
- 3 Record Room B 4 Studio Control Room B
- 5 Sound & Video
- Editing Room 6 Gallery 7 Workshop

- 8 Music Lounge 9 Storage 10 Janifor Room





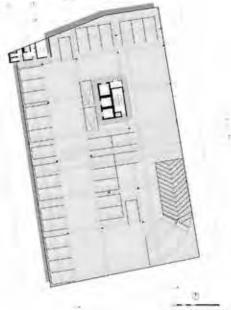
#### FLEXIBLE MUSIC PRACTICING ROOM



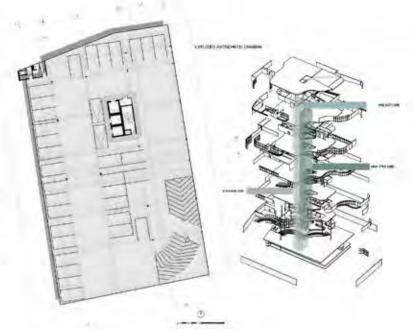




# **6TH FLOOR PLAN** 6TH FLOOR PLF 1 - Ruditatium 2 - Foyer 3 - Ticket Booth 4 - Snack Bar 5 - Restourant 6 - Kilchen 7 - Bar 8 - Control 9 - Backstage 10 - Make Up Roam 11 - Changing Roam 12 - Rehearsal Roam 13 - Storage 14 - Xaritor



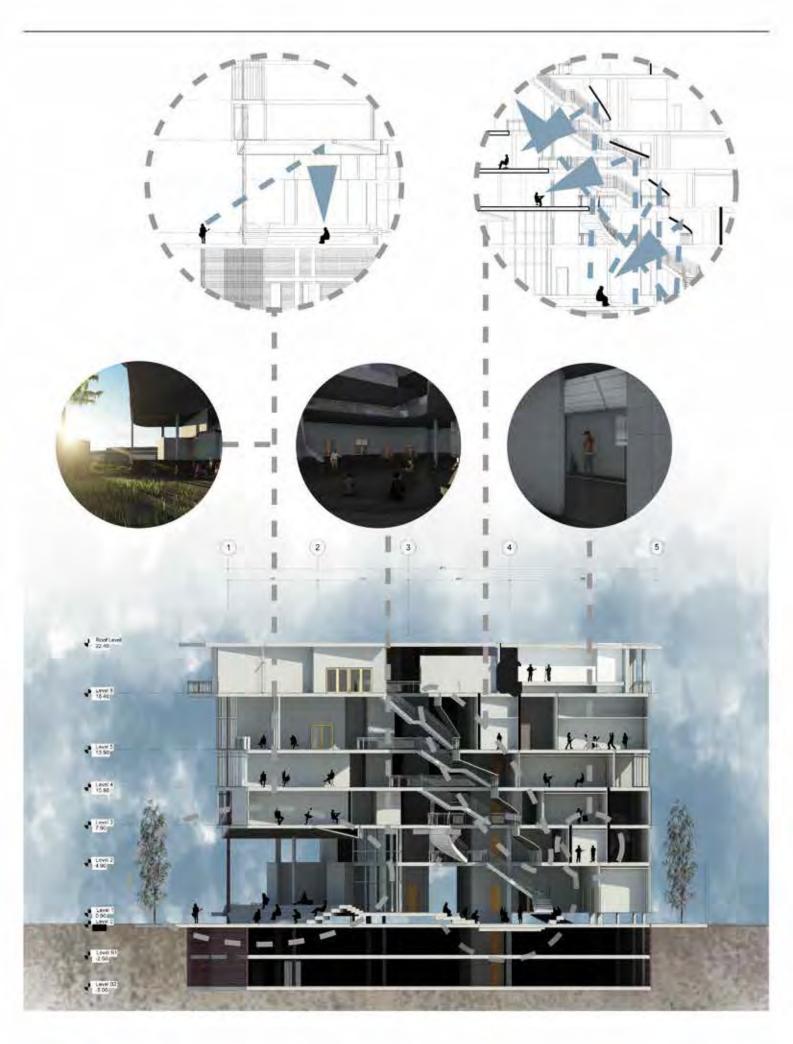
**B2 FLOOR PLAN** SCALE 1200



B1 FLOOR PLAN **SCALE 1:200** 







## COOP

SOA+D

## Ms Chutikarn Lertchaiporn

Rad Studios



#### RLAP PROJECT

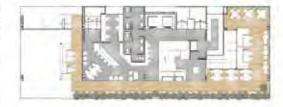


Concept: Platforn Interlocking
This concept is to play with the overlapping bounding frames, feel amaze walking
in a minimal-maze spaces, maze the house up by overlapping boxes. A key is pulling
out one's amaze with any mazed element in every touchpoint.



My Task Making physical model of this project with the other internship friends.

#### VELA HOTEL



Concept: Thei Northern Traditional House
My Task: Editing (coloring) the plan with Photoshop and making presentation slide with InDesign.



LE MERIDIEN

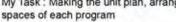


Concept: Living by the river

MILTON CLUBHOUSE

My Task: Making the unit plan, arranging room layout and calculate







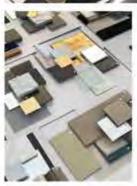
**RKIT PROJECT** 



Concept : Sponge, Creating space by scoop out the box My Task : Editing the plan and section to be posted on Design Something website.

#### MATERIAL BOARD









Milton Clubhouse = Gathering Place Concept: Museum with American Luxury Design My Task: Designing one schematic design of arranging program into the site





#### RTTK PROJECT



Concept: Minimal Farm House
My Task: Researching references, Doing presentation board, Making 3d modeling,
Making perspective and Drawing all of the architecturural and construction drawing.











#### Architectural Drawings

