

Architecture

# Portfolio

by Supachai Leelertkij



**PROFILE**



## Name

Supachai Leelertkij (Aee)

## Born


20 January 2000 (22 years old)

## About me

I am a young architect who is eager to learn with high dedication and motivation and is looking for a **junior architect position**. I enjoy designing residential to give a dweller a better life.

I hope you can give me the opportunity to join your company.

## Contract

 299/7-8 BanMo ,Wang Burapha  
Phirom , Phra Nakhon ,Krung Thep  
Maha Nakhon 10200

 Tel : 099-197-8253

 Email : supachai.leelertkij@gmail.com

## Academic background

**2017-2022** Bachelor of architecture  
**Silpakorn University**

**2006-2017** Primary and Secondary School  
**Saint Gabriel's College**

## Practice experience

**April-June 2021** architectural intern  
**fattstudio\_architect**  
- Facade design for TTT cafe  
- Wedding avenue (schematic design)  
- Sketching and cutting model

**2019** community architecture  
**hide and seed**  
- Boat dock design team

## Software skills

Mostly use

Revit ●●●●●●●●○○  
Lumion ●●●●●●●●○○  
Photoshop ●●●●●●●●○○

Autocad ●●●●●○○○○○  
Sketchup ●●●○○○○○○○  
Rhino ●●●○○○○○○○  
Ms office ●●●●●●●●○○

## Language

Thai and English

## Hobby

Travel ,eat ,gaming and football


# CONTENT


Introduction/Practice	
Commercial Building	
Hospital Building	
Residential Building	


# CV

**01**  **Convention center**  
Year: 2021 **04**

 **The cave**  
Year: 2020 **06**

 **Greenroom hosp**  
Year: 2021 **08**

 **Twist tower**  
Year: 2020 **10**

 **Sampran Resort**  
Year: 2021 **12**

 **Parallel dwelling**  
Year: 2022  
Thesis Project **14**

## PARACTICE EXPERIENCE

**18**

# Convention Center

22 Digital art district  
Project design (5th year)

Location: 22 Karakadakhom Circle  
Area : 2,500 sq.m.  
Partner : Pornpat Vongbeasaj

Starting from analyzing the original district and surrounding areas including future projects to determine the activities and projects that will occur in the district, as well as to solve problems that occur in the district and foster a better economy in the area than before. The result is that this area is a district with entertainment venues and art production areas, including artist accommodation and increased comfort for residents so we add a department store in the project.

In which the district analysis work will be group work to analyze and the convention center design will be a duo work. which we analyzed and added green areas to the district and chose to use Led screens for exhibitions.



## Site analysis

**Day** **Rooftop community**

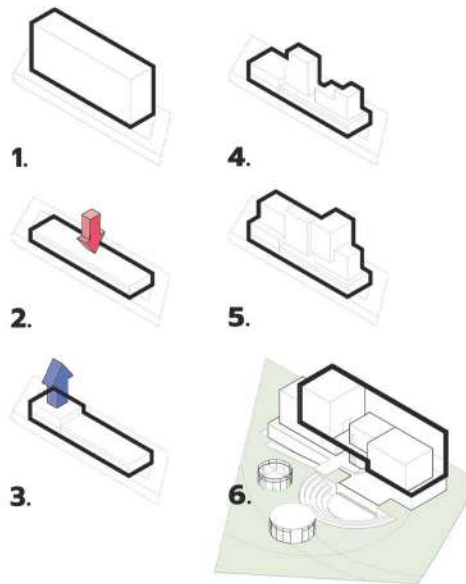
**Night** **Problems solution**

**Connection**

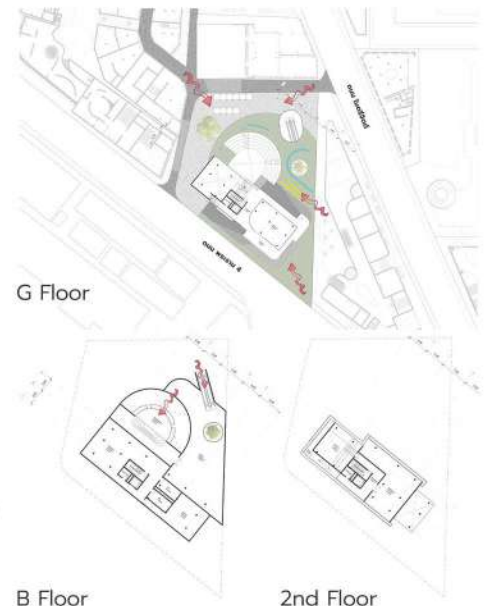
**Before/After Comparison:**

- Donkhai Wattanasri: Before (2011), After (Sep. 2016)
- Donkhai Wattanasri: Before (2015), After (Aug. 2016)
- Donkhai Wattanasri: Before (2017), After (2017)
- Donkhai Wattanasri: Before (2018), After (2018)
- Donkhai Wattanasri: Before (2019), After (2019)
- Donkhai Wattanasri: Before (2020), After (2020)

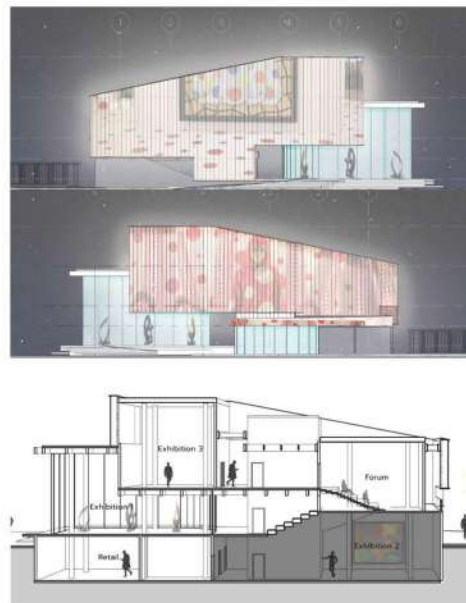
## Process



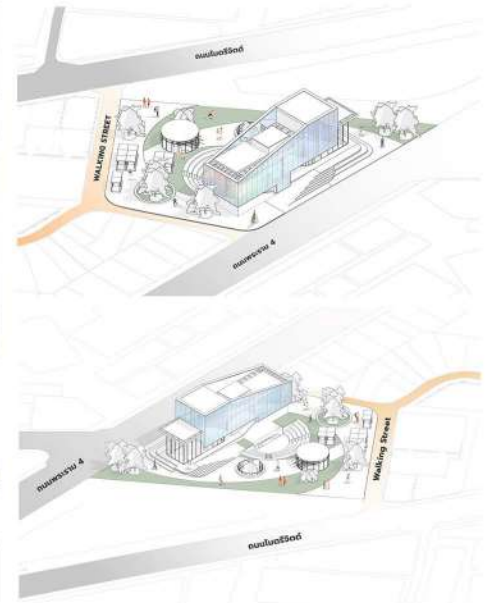
## Planning



## Elevation and section



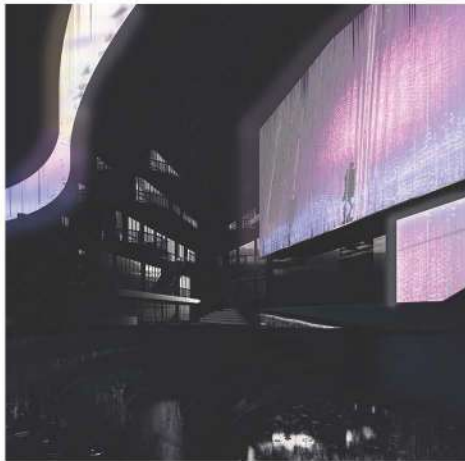
## Isometric



## Design guideline for district

### Design catalog







# The cave

Bangkok performing art and convention center

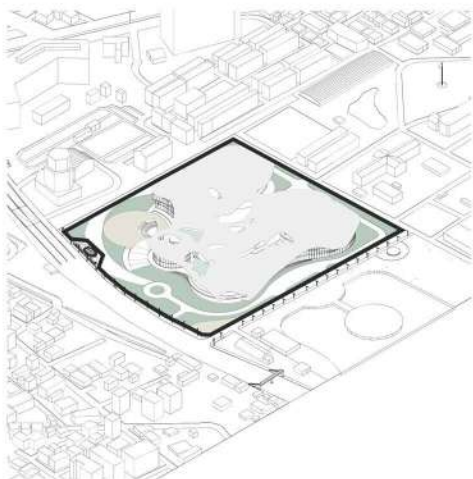
Project design (4th year)

Location: 60 Ratchadaphisek Rd, Khlong Toei, Bangkok 10110

Area : 58,000 sq.m.

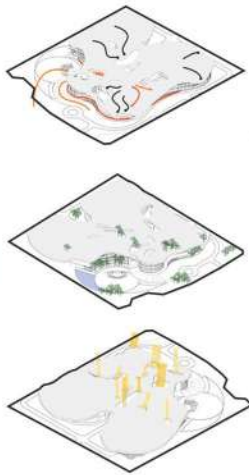
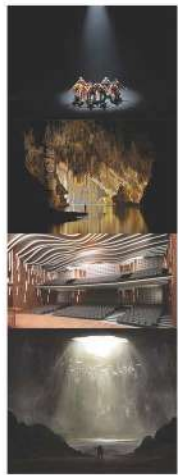
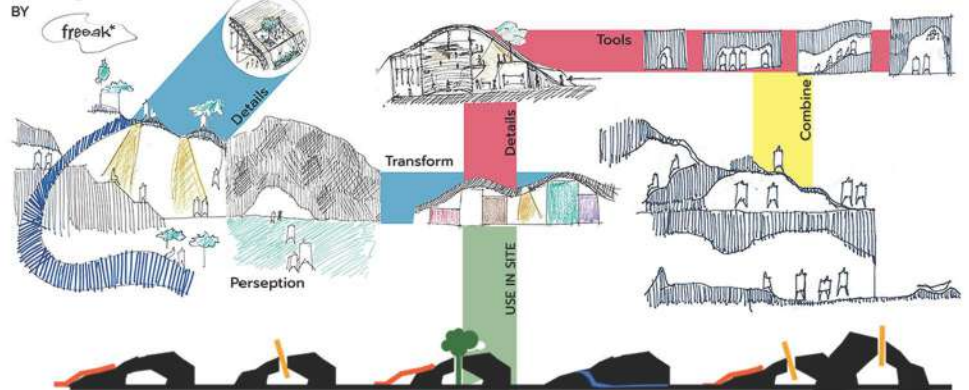
Partner : Thunwarat Pisutpittayakul

Bangkok Performing Arts & Convention Center was created to be a center for supporting performing arts activities and a rotating exhibition as well as international conferences.

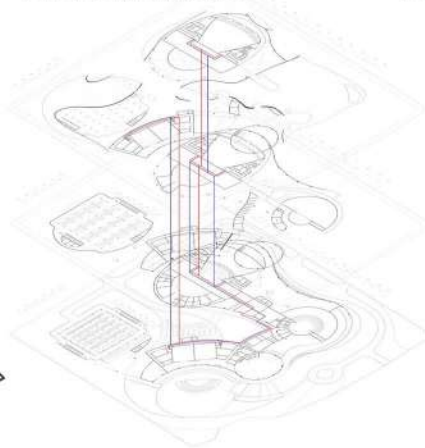


### Intention diagram

#### THE CAVE



### Air condition system



### Planning

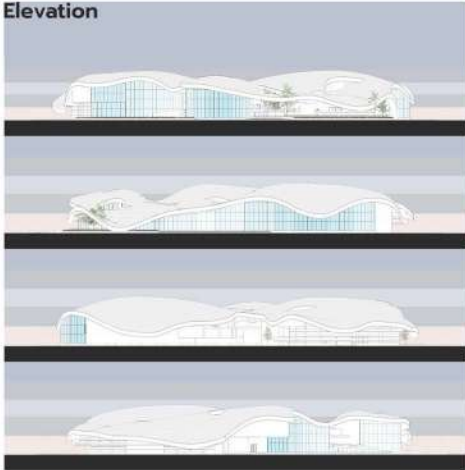


The first thing that comes to mind in being a theater is perception of going to see a play with darkness as the beginning and opening the scene with a light shining at one key point, plus the need for the height of each function that is not the same thus making us think of a cave and it's the origin of our project "The cave".

When we think of the cave Let's take a look at the physical characteristics. To find out what we will develop in our project, we can say that when we have the volume of each function is not equal. We are interested in using one large surface that will cover the whole building where the surface has an opening to allow natural light to shine through and also has a function on top that people can still use to see the scenery of Benjakitti Park.



## Elevation



## Section



We develop the overall shape of the building including the building shell and analyzing the openings to correlate them with the functions below, and use retail on top of the admin office as a link between the grand hall and chamber hall and the amphitheater convention hall, with a ramp rooted from the page. The amphitheater caters to MRT people, whereas the ramp will be able to see the convention hall's foyer for visual interaction with the events taking place.

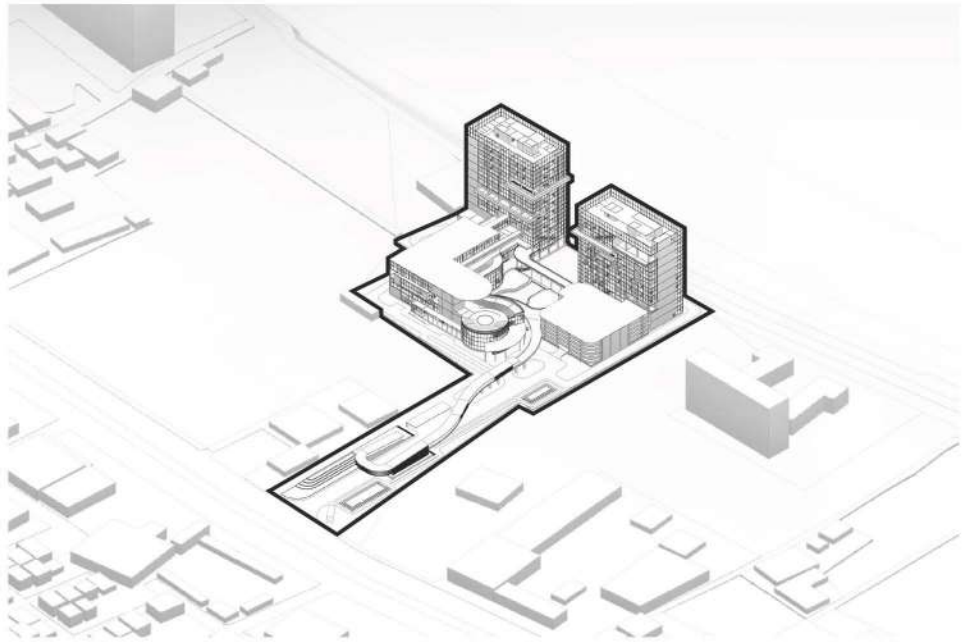


# Greenroom Hospital

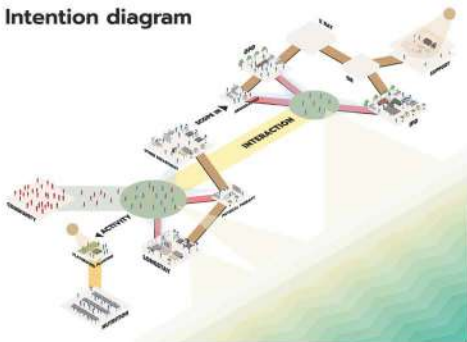
health care and long-stay  
Project design (4th year)

Location: Pattaya, Naklua , Bang Lamung ,  
Chonburi 20150  
Area : 27,000 sq.m.  
Partner : Chawin Somnimitr

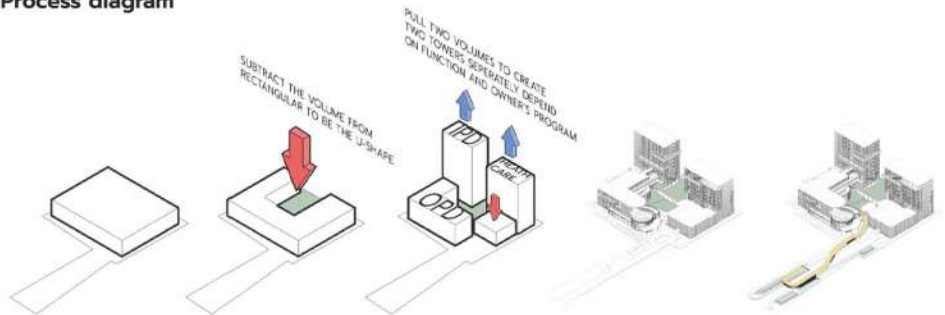
We are trying to think of a new type of hospital management. Bringing people in the community to heal patients in the hospital, both in the form of long-term patients, and tremors through vision and activities together will allow the community to still use this place as before as the hospital while the patients benefit from the community.



### Intention diagram

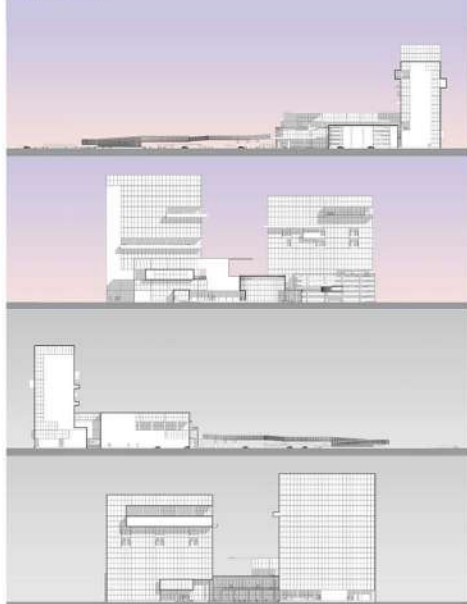


### Process diagram



### Accessibility

### Elevation



### Planning



### Path Elevation





We developed a curve in the project to make it more inviting for the community and patients. We inserted an intermediate vegetable growing area between the 2 towers to open up a view of the sea, then connected the corridors to each building and enclosed the vegetable growing area while also looking out to the sea.



# Twist Tower

Mixed use hotel

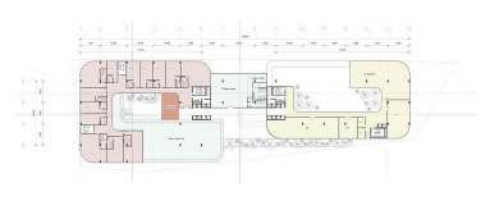
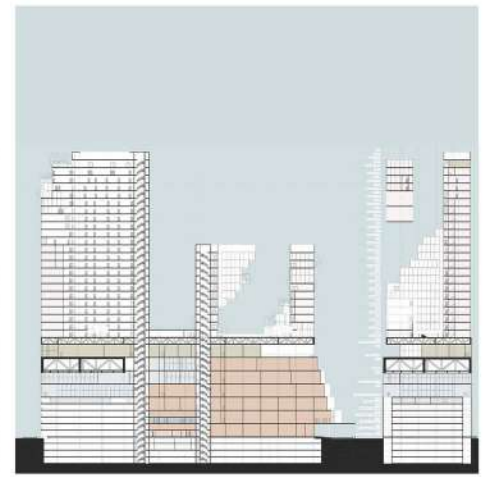
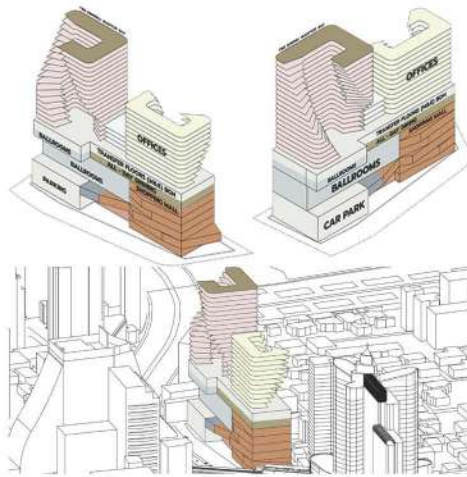
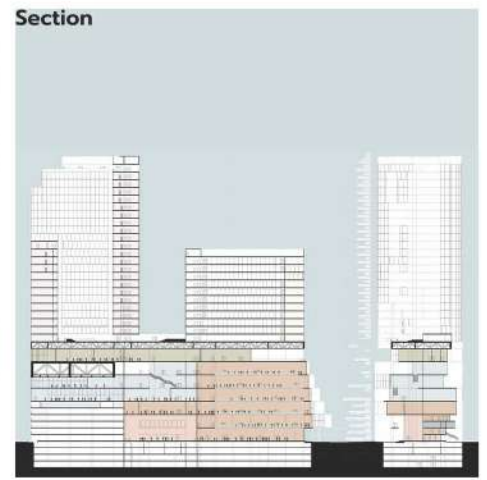
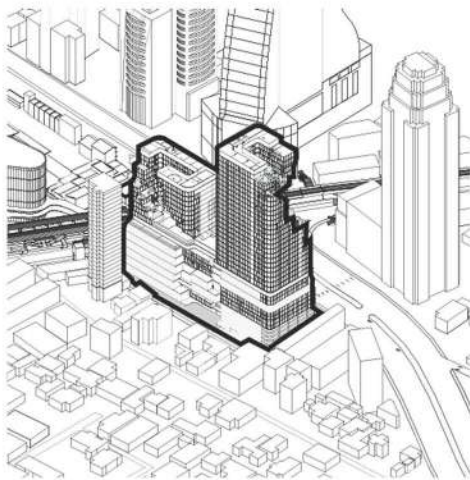
Project design (4th year)

Location: Sukhumvit Rd, Khlong Toei, Bangkok 10110

Area : 69,000 sq.m.

Partner : Alisa Sharma

The first thing that comes to mind about tall buildings is the twist of the building. This gave us an objective to twist the building to support the visualization of each room. in the Asoke area we will try to cut the model to see In what kind of twists can be to open up our ideas to bring out the building form. Which can be seen from the picture on the left. After that, let's analyze the surrounding visibility of the site to see which views are suitable for what functions.





We divide Hotel and Office into different towers and separate dining from each other. All-day dining is on the same floor as some ballrooms and fine dining and rooftop bar is on top of the Hotel section where Hotel and Office Rental are available. The garden area and relax space are caused by the boring of the building. At the same time, the room at the end of the twist will have a special view than the other rooms.

Twist tower mixed use hotel



# Sampran Resort

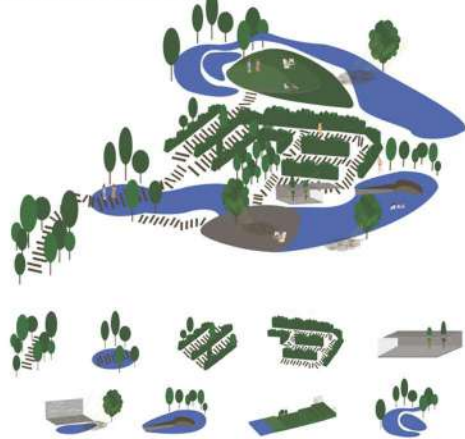
Leisure and resort  
Project design (4th year)

Location: Kaeng Sian, Muang Kanchanaburi, Kanchanaburi, 71000

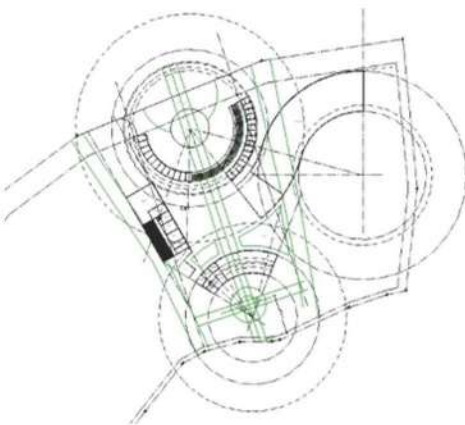
Area : 60,500 sq.m.

Design team : Thunwarat Pisutpittayakul  
Prapatsorn Nijpakornkul  
Pronpat Vongbeasaj  
Supachai Leelertkij  
Sunharutai Panichnantho  
Sippakorn Hongpakmanoon

## Concept and tools

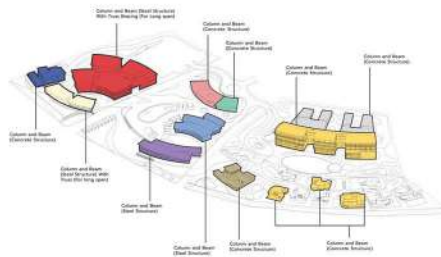


## Planning system



MASTER PLAN  
SCALE 1:500

## Villa type and unit type



We endeavor to manage the layout system while maintaining the canals in the site and arrange the appropriate site analysis and conceptualization of the project layout.

We improved the position of some functions and moved functions that should be able to get a view of the river eg. various restaurants and an activity area that has been moved but still has the beauty of the river and is used as a connection point to other functions.



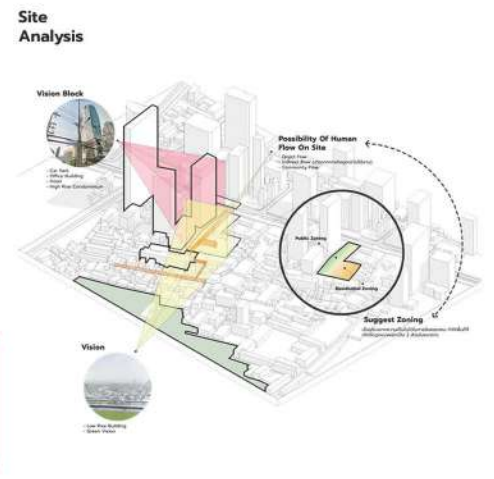
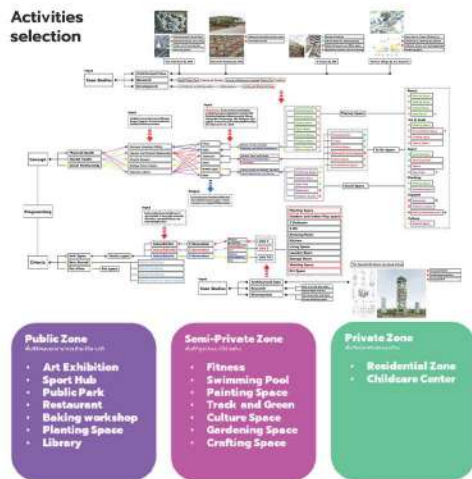
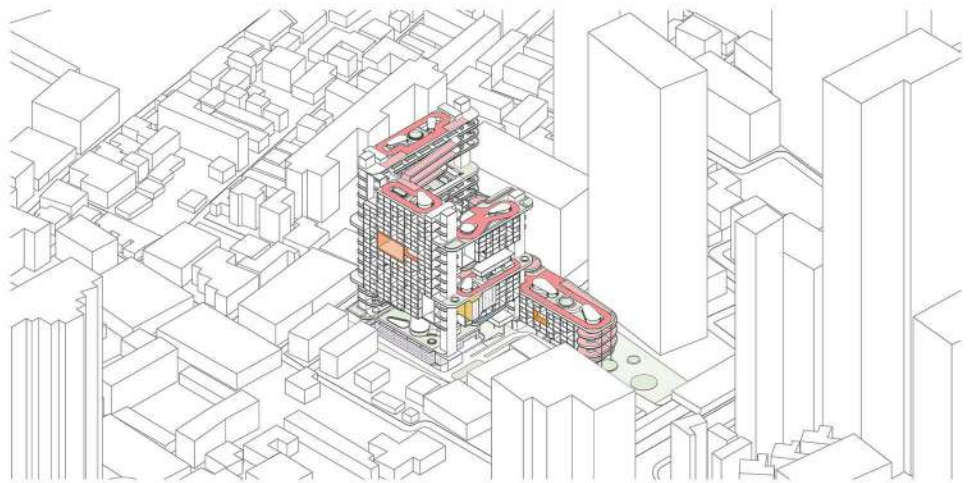
# Parallel dwelling

vertical living  
Thesis project

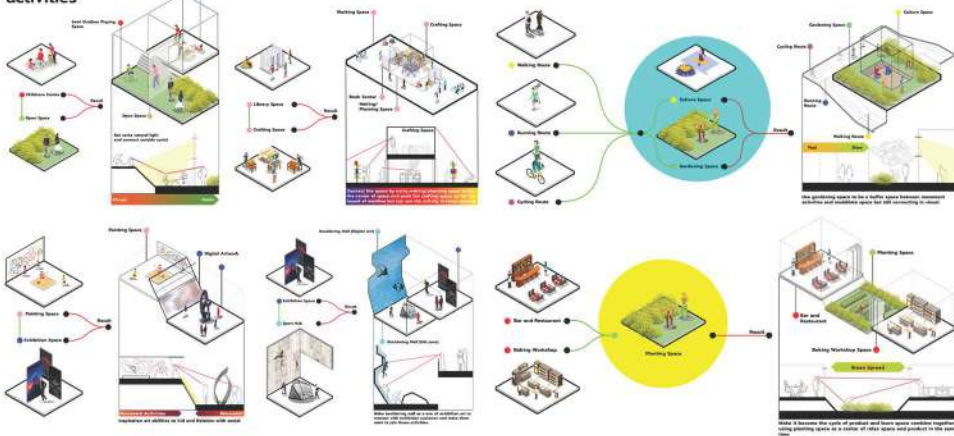
Location: South Sathorn Rd., Yannawa, Sathorn, Bangkok 10120  
 Area : 71,235 sq.m.  
 Adviser: Asst.prof. Jeerasak Kueasombut,Ph.D.

## Rethinking of vertical living typology

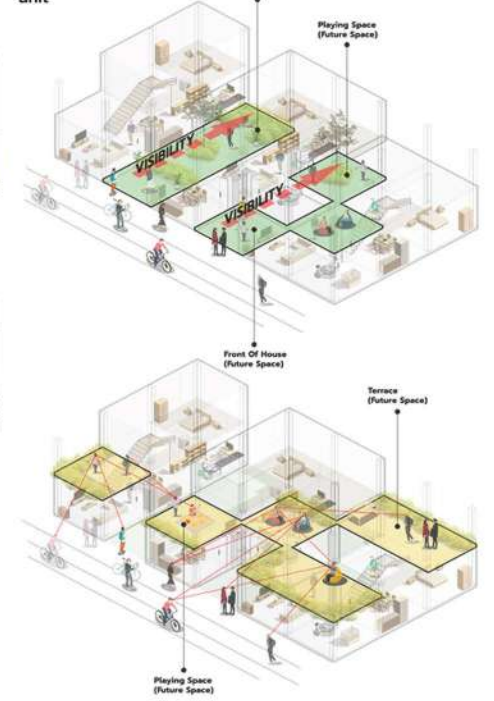
In this thesis, the area of activities occurring within the project will be considered. which were selected based on the needs of each age range It also promotes a space for relationships between residents of all ages and different ages. There was also an experimental system. Accommodation suitable for all 3 family types in Thailand uses the concept of future space, the Bareshell room system and the area in front of the house Including the experimental building system that promotes the relationship between residents and residents. and between residents and outsiders To make the residents in the building not cut off from the outside society where the building system will classify the area for the residents and outsiders were not mixed but the resident has the right to access the area of the third party and equal access to the common areas of the residents including a thoroughfare that connects every floor All of this is an experiment that improves the quality of life of vertical residents, both physically and mentally.



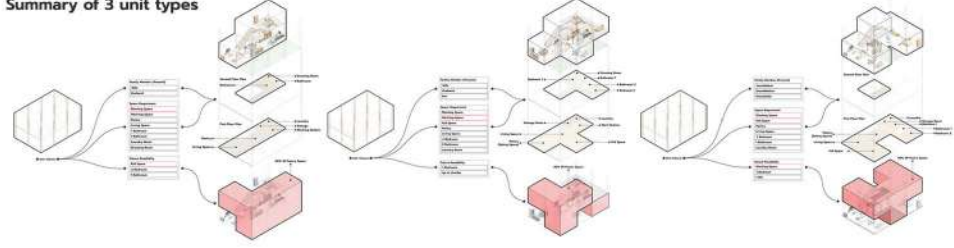
## Relationship between activities



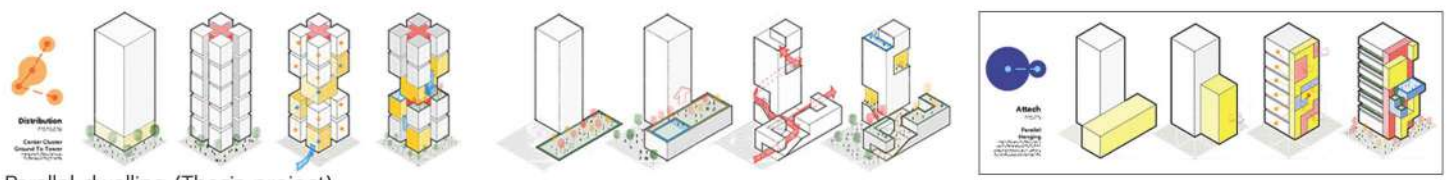
## Relationship between unit



## Summary of 3 unit types



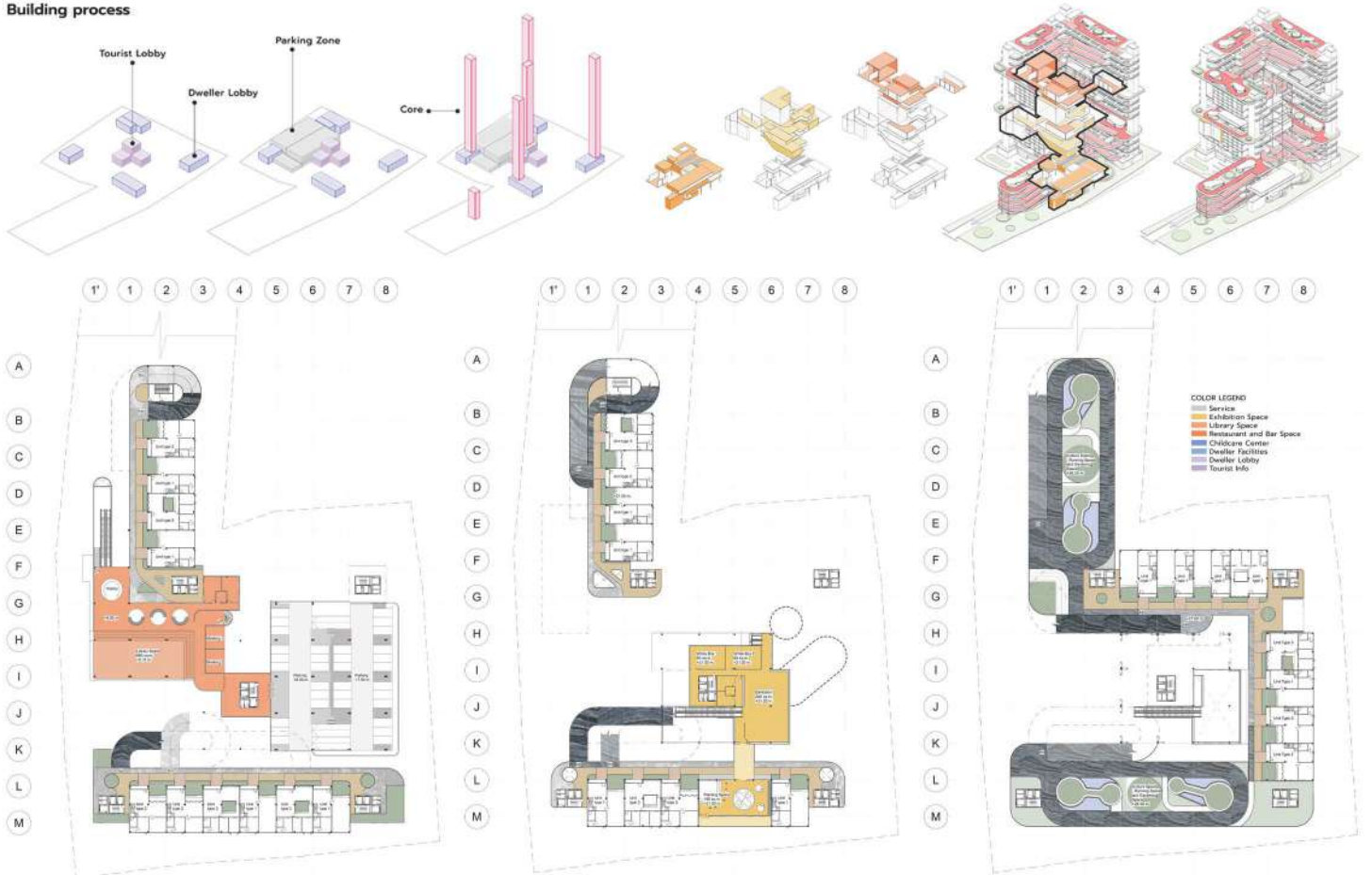
## Tool selection



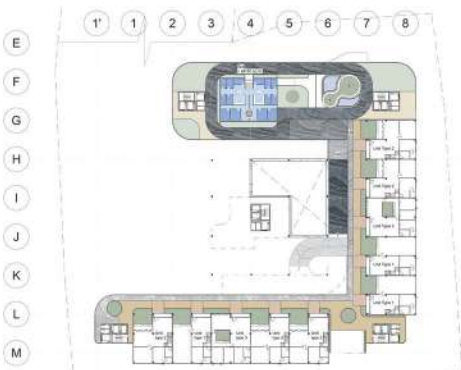
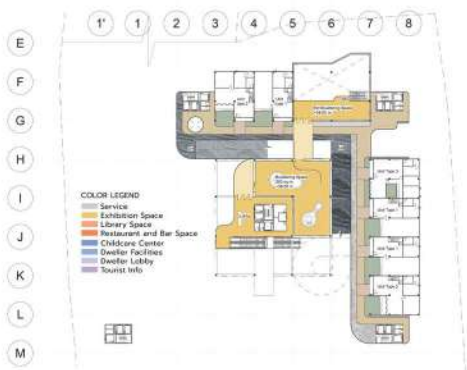
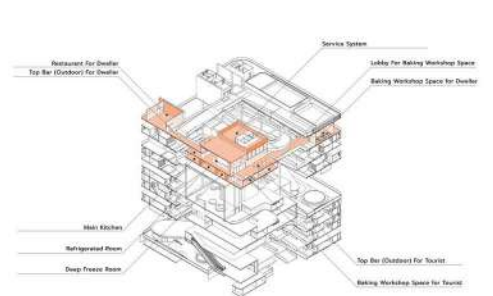
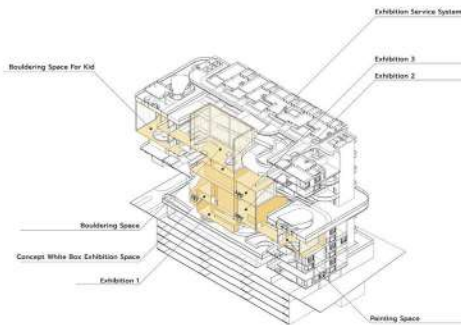
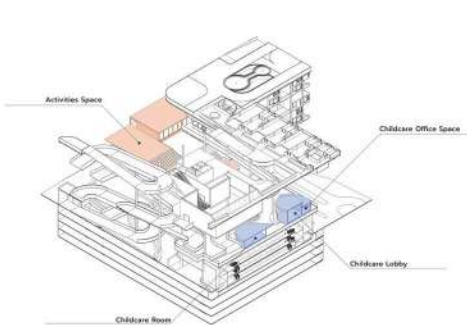


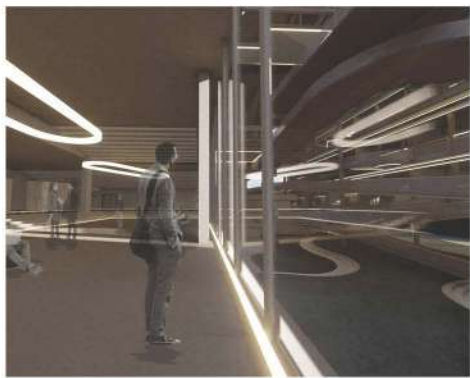


Building process



Parallel dwelling (Thesis project)





# **PRACTICE EXPERIENCE**

## Community architecture

### hide and seed

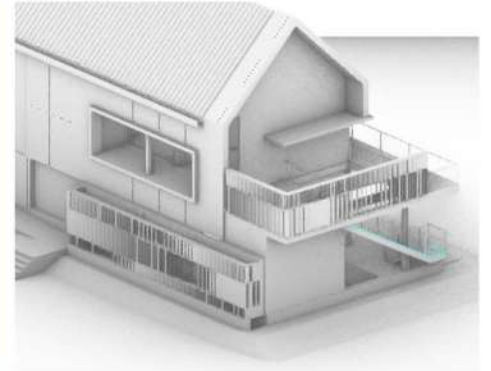
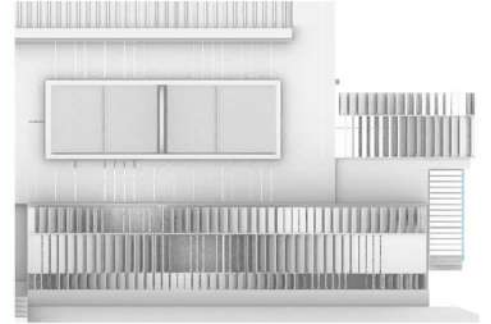
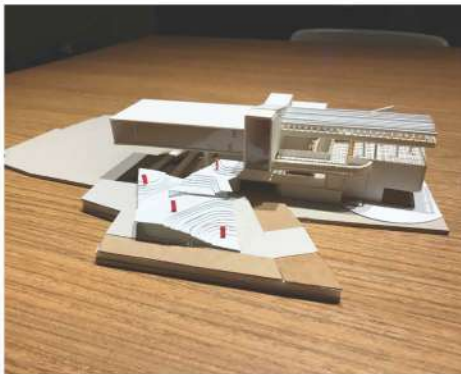
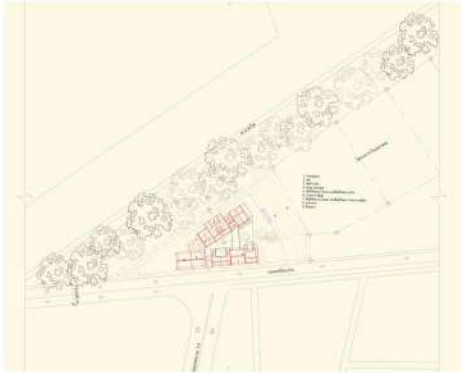
- Boat dock design team  
(2019)



## Architectural intern

### fattstudio\_architect

- Facade design for TTT cafe  
- Wedding avenue (schematic design)  
- Sketching and cutting model





**THANK YOU**