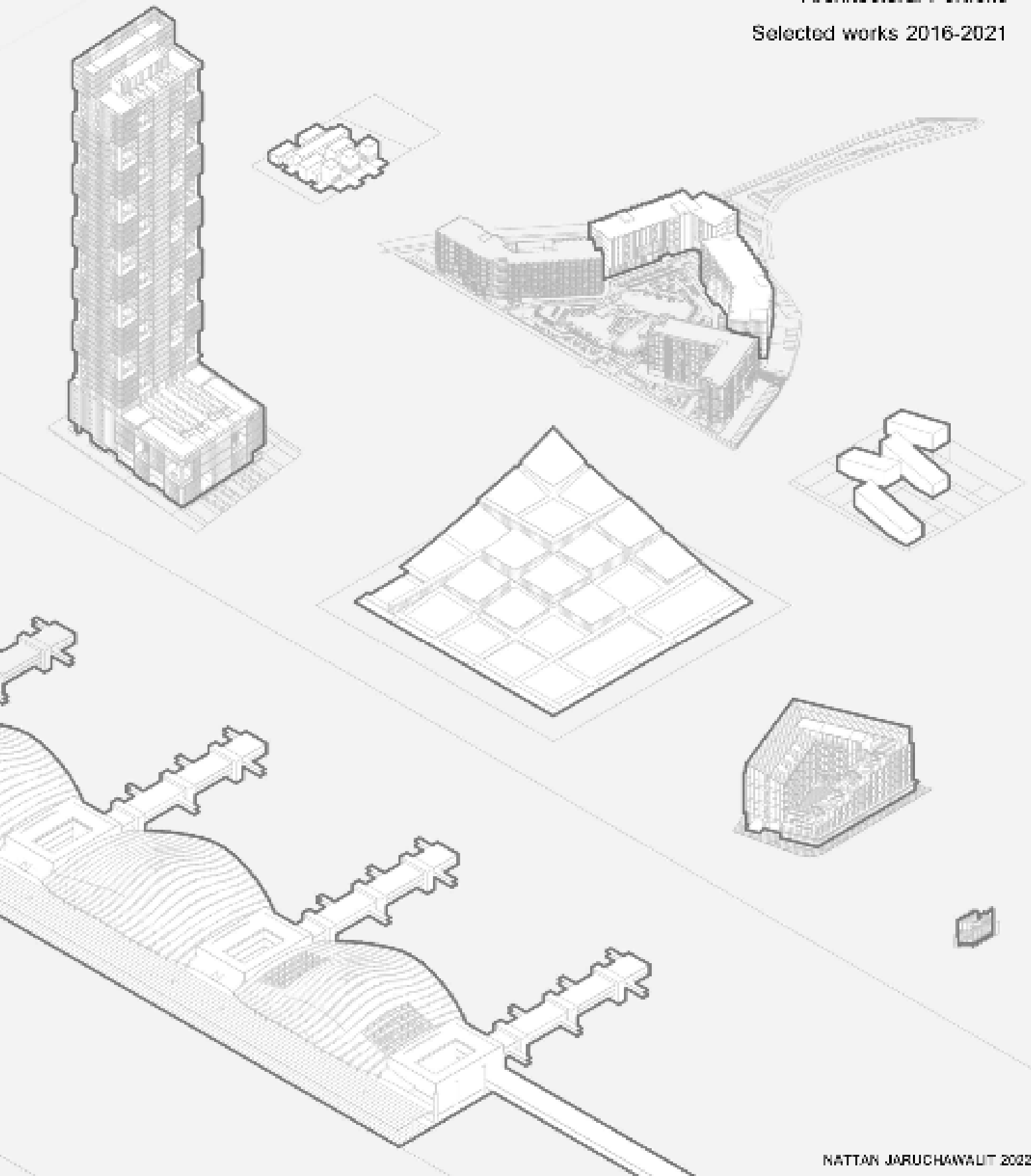


NATTAN[®] JARUCHAWALIT

Architectural Portfolio
Selected works 2016-2021





Nattan Jaruchawalit

Work experience in high-rise and residential buildings, including hospitality. Skilled in BIM documentation (Revit), Sketchup, AutoCAD, Lumion, Photoshop, Microsoft Offices, presentation, communication, sketching. Interested in the simple architecture but hides concept that has been through careful thought.

Personal information

Date of Birth	20 December 1995
Nationality	Thai
Current Location	Bangkok Thailand
E-Mail	Taipuck@Gmail.com
Phone	+66 85 563 8666

Education

2004-2013
2014-2019

Vajiravudh College
Chulalongkorn University, Bachelor of Architecture

Experience

2018 Bangkok project studio

Internship Architect. Designer and support
Worked in Artisans Ayuttaya

2019-Present Somdoon Architects

Architect. Firms Focus on commercial and hospitality. Designer in charge of the Architecture department and working with interior, landscape department. Also communicating and performing with client.
Worked in Wish Signature II
Laguna Dhawa
SC Yahn Pattaya
The MUVE Kaset
The MUVE Ram 22
Khaolam Villa
PTT Innovation center (Competition)
Kaohsiung circular residence (Competition)

Competition

2017 Lift UP Your Imagination
(Mitsubishi Competition)
2018 VEX (ASA Competition)
2021 Uniquely Thai
(MQDC Competition)

Honorable Mention (Top 5 Finallist)

Long list (TOP 8 Finallist show case at ASA EXPO 63)

Bronze (Top 3 Finallist)

Proficiency

Revit SketchUp
AutoCAD Lumion
Microsoft Offices
Adobe (Acrobat/Photoshop/Lightroom)

Language

Thai Native
English Fluent
Chinese Fluent

Academic works**Page**

Look up Artgallery (2nd Year Academic works)

01

Ascott Serviced Apartment (Thesis)

07

Personal works

Lan-La-Len (MQDC Competition)

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Works at Somdoon architects

Bangsaen Pool Villa

27

Workshop

Taro Pavilion

37

LOOK-UP ART GALLERY

Academic works (2nd year)

Program

Art gallery

Location

Sukumvit 66, Bangkok, Thailand

Area

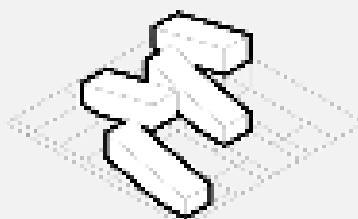
1000 sq.m.

Year

2015

Description

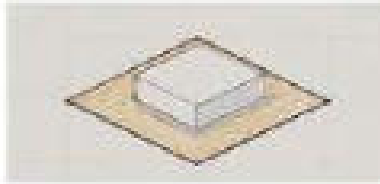
Lookup art gallery is located on the end of Soi Sukhumvit 66, Bangna, behind a small canal. It is a relatively peaceful place. The Project consists of three art galleries, souvenir shops, offices, restrooms, storage, and underground parking. The architecture was inspired by looking up at the artwork. The diagonal lines within the architecture act as ramps leading visitors to different areas. Moreover, in the story of massing, it likes the architecture gradually looking up.



Concept diagram



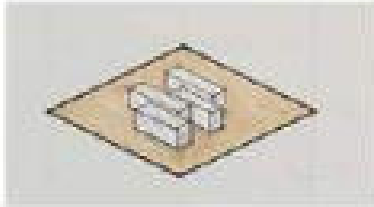
1. Site



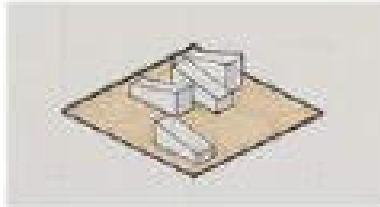
2. Put the function on site to study massing



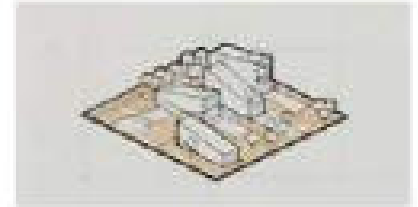
3. Divide the mass into four buildings so that the building does not become opaque.



4. Move the building to create space.

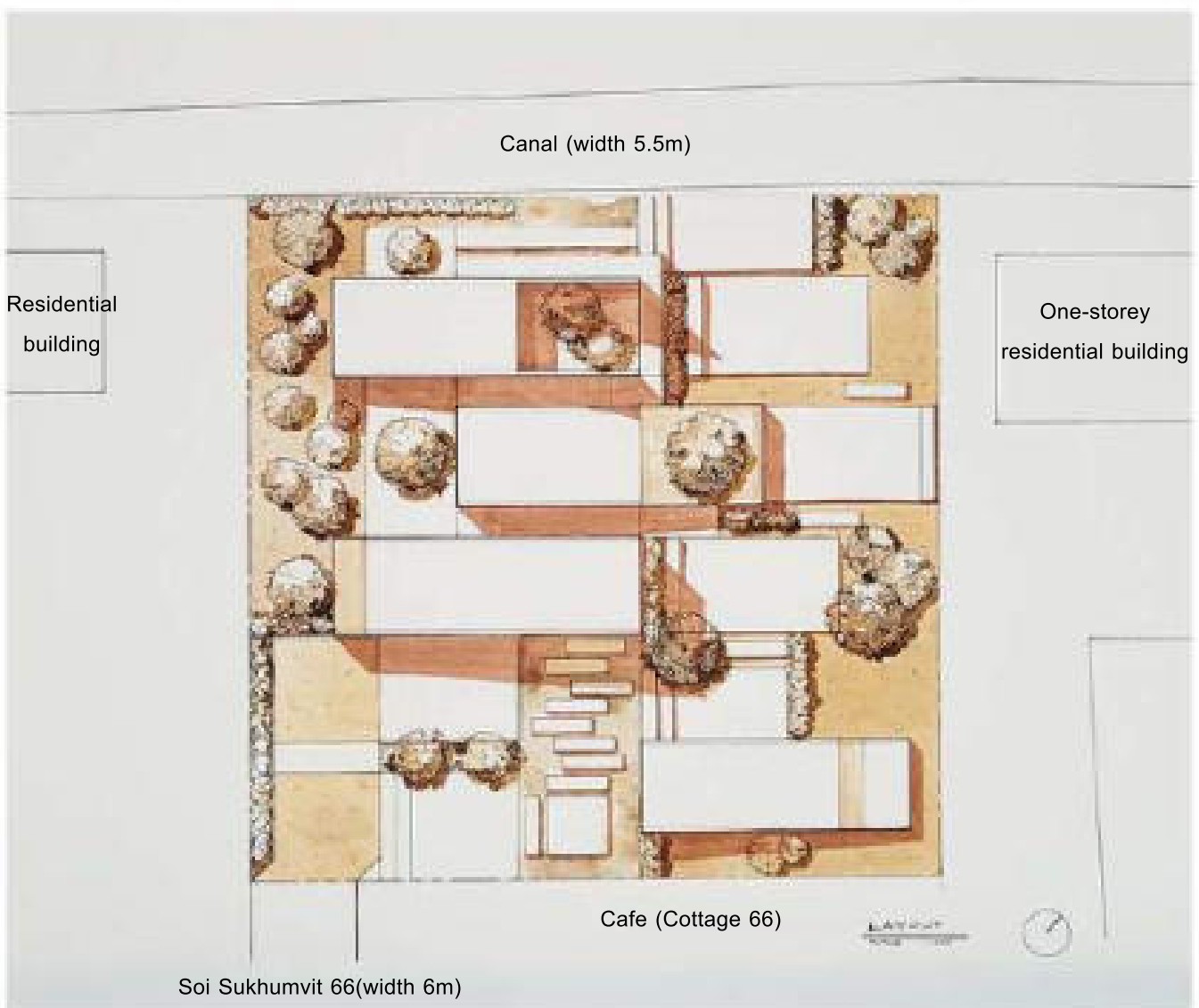


5. Create an interesting approach to the entrance and adjust the form to have direction.



6. The landscape is also integrated with the architecture, both indoor and outdoor areas, and encourage both artwork and architecture to stand out more

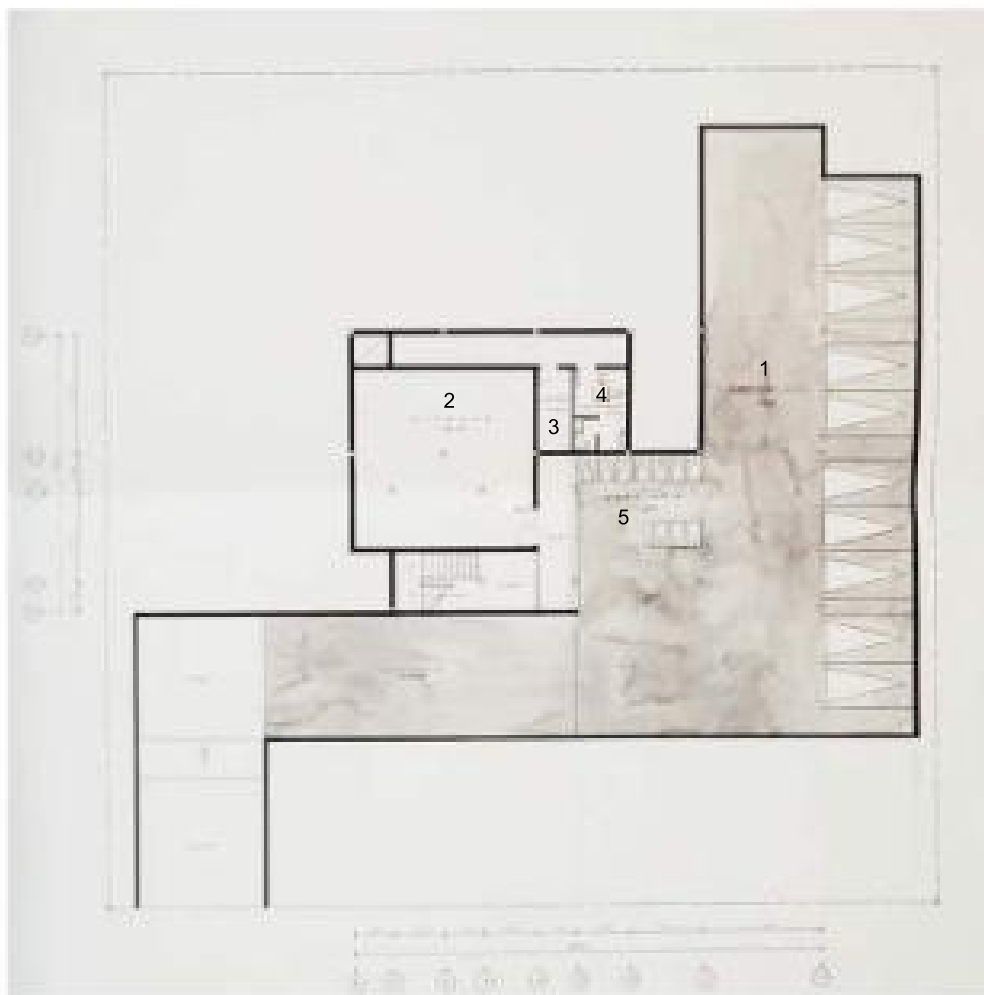
Layout





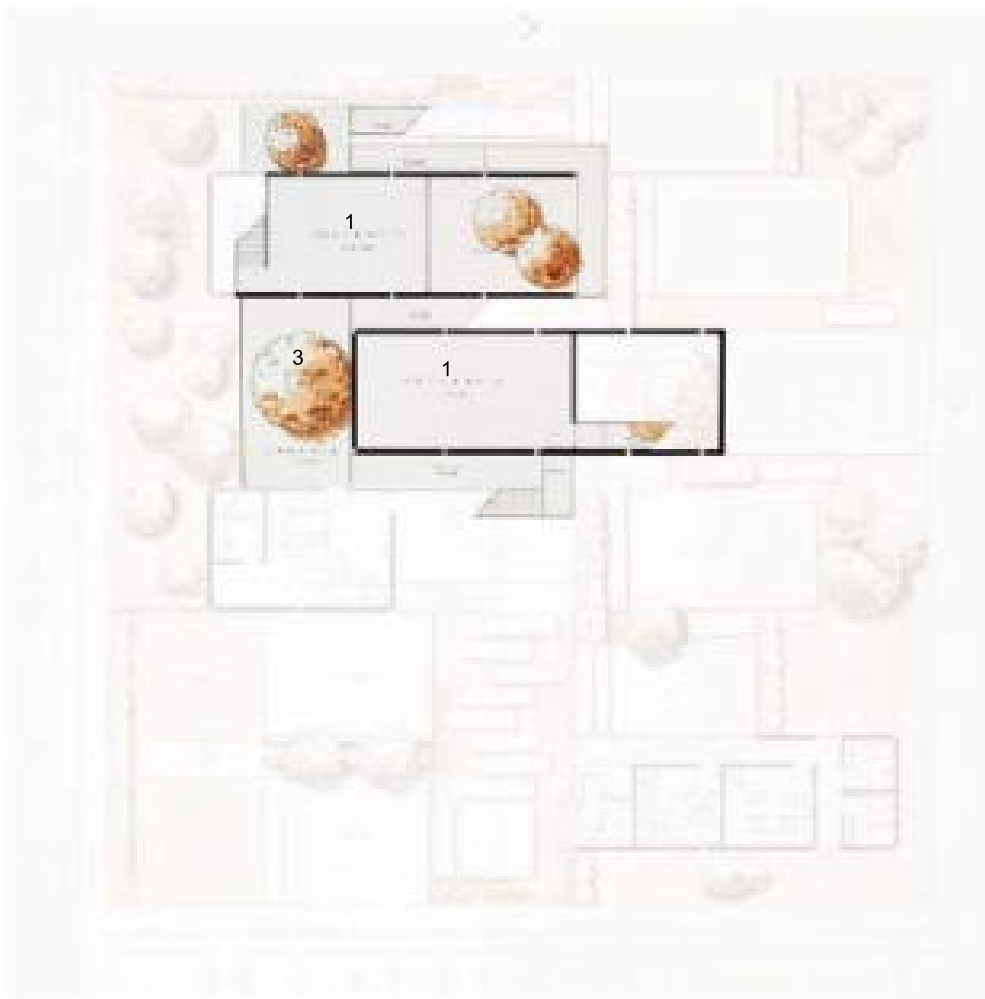
1st Floor Plan

- 1. Gallery
- 2. Shop&School
- 3. Outdoor Gallery
- 4. Lobby
- 5. Office
- 6. Restroom
- 7. Road



Basement Plan

- 1. Parking
- 2. Storage
- 3. Sanitary room
- 4. Maid's room
- 5. Loading area



2nd Floor Plan

- 1. Gallery
- 2. Shop&School
- 3. Outdoor Gallery
- 4. Lobby
- 5. Office
- 6. Restroom
- 7. Road

Section B

- 1. Gallery
- 2. Outdoor Gallery
- 3. Restroom
- 4. Storage
- 5. Service
- 6. Parking

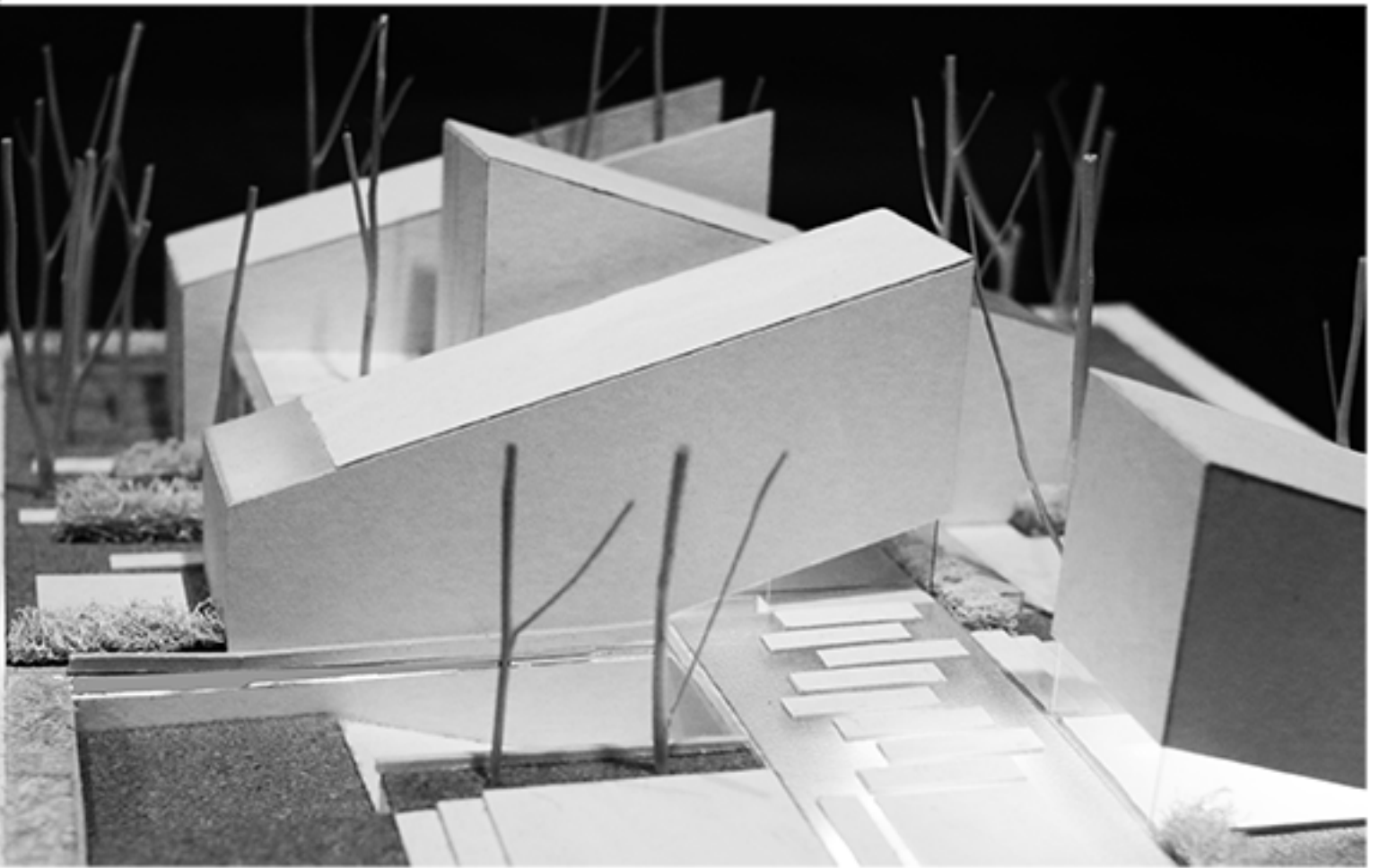




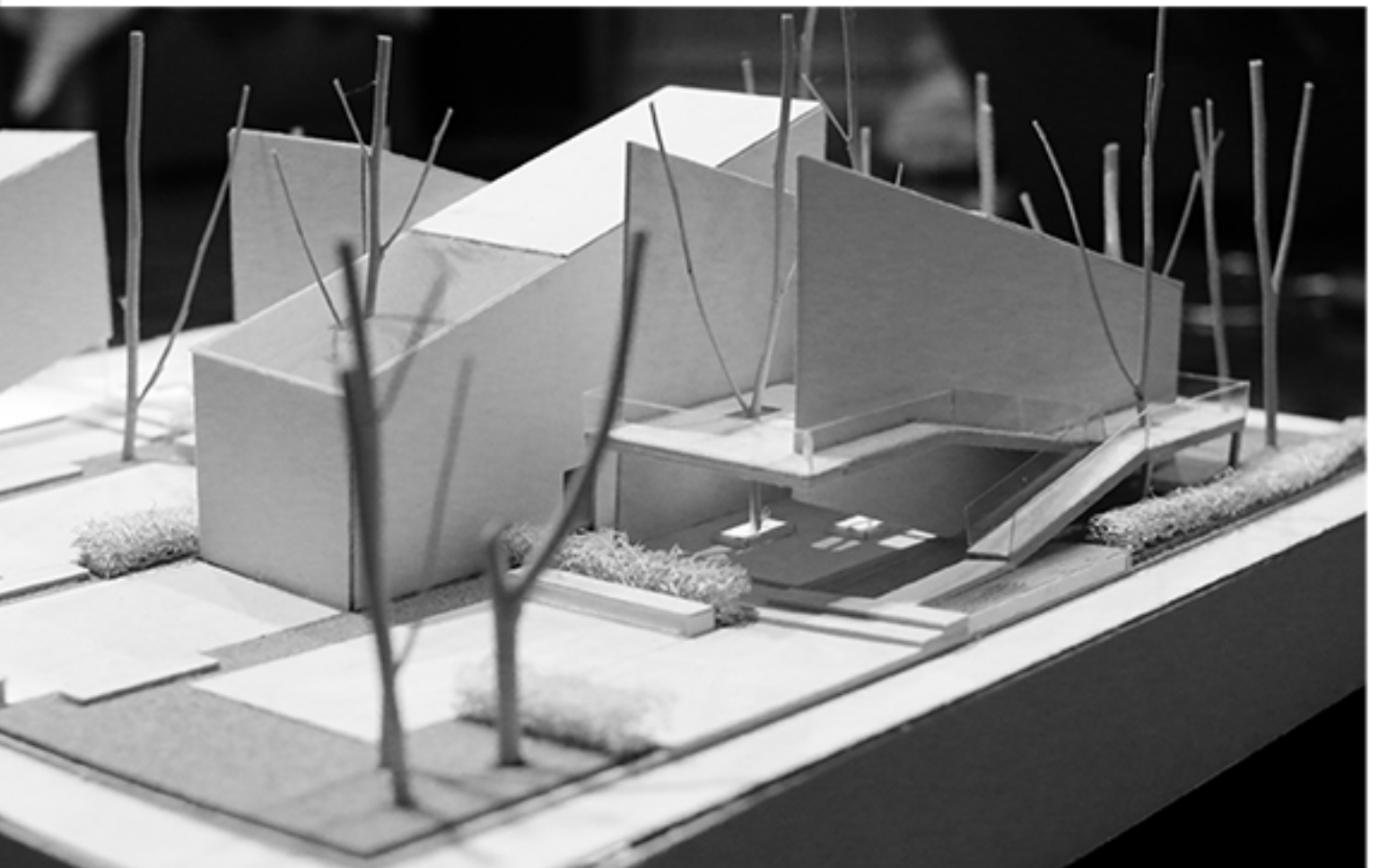
Interior perspective from gallery no.2.



Exterior perspective from the main entrance.



Model photo from the main entrance. The road is separated from the user platform.



Model photo from the back of gallery no.3. The ramp serves to connect the 1st and 2nd floor areas together.

ASCOTT SERVICED APARTMENT

Academic works (Thesis)

Program

Serviced apartment

Location

South Sathorn rd. Bangkok, Thailand

Area

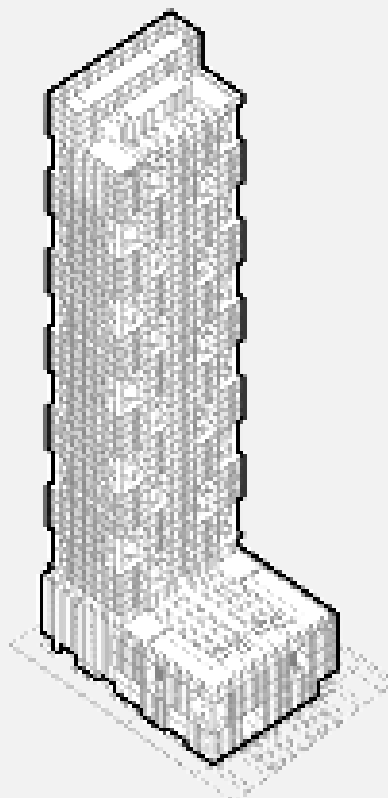
56000 sq.m.

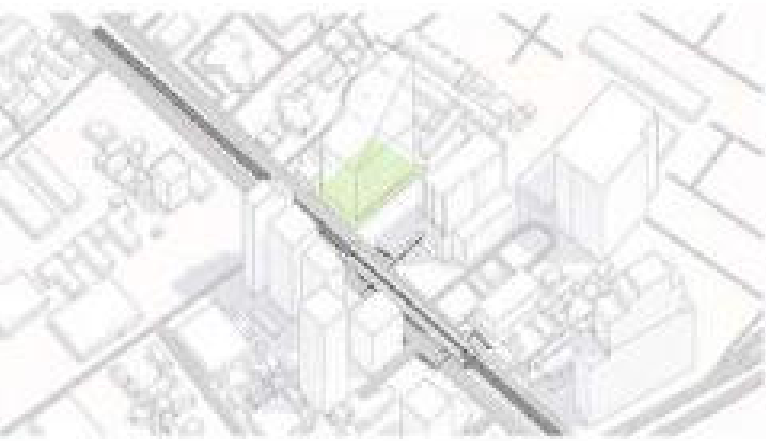
Year

2018

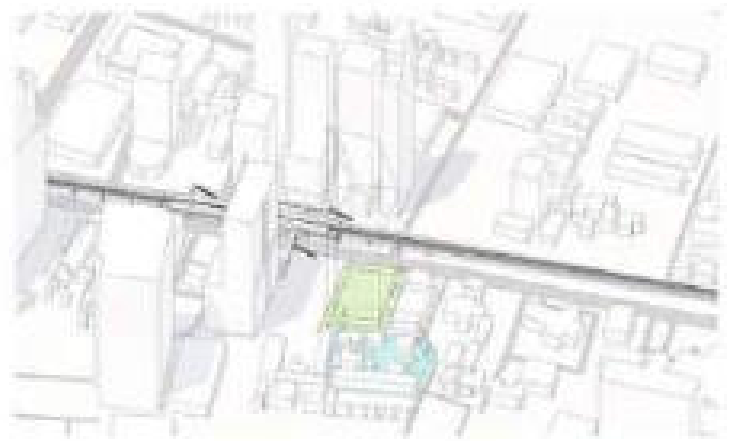
Description

Ascott Serviced Apartment is a project design of residential + commercial buildings that takes into account the application of the 2h setback to create double volume for the room. The project's customers are foreign businessmen who want a room with a large balcony and feel like home rather than ordinary rooms.

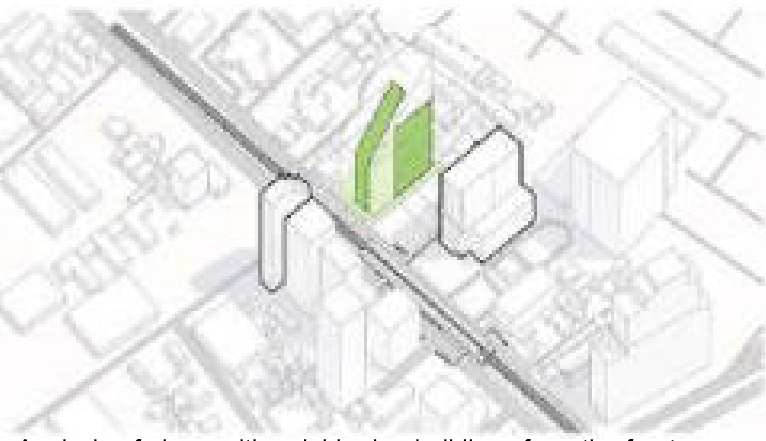




Site and context from the front.



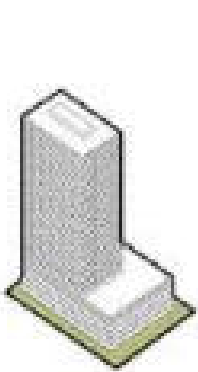
Site and context from the back.



Analysis of views with neighboring buildings from the front.

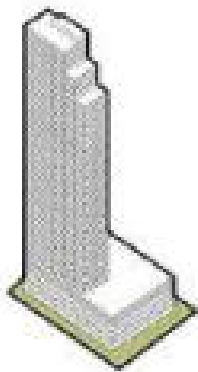


Analysis of views with neighboring buildings from the back.



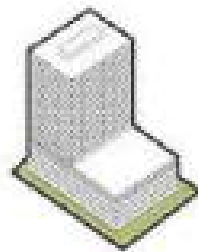
Schematic 1

residential floors	27 floor
height	115 m
residential floor area	1150 sq.m
residential circulation	27.40%
unit	378 unit
good orientation	14.29%
bad orientation	85.71%
good view	71.43%
bad view	28.57%
residential efficiency	40.20%
project efficiency	47.30%



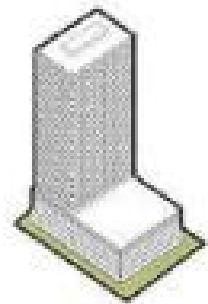
Schematic 2

residential floors	46 floor
height	175 m
residential floor area	725, sq.m
residential circulation	35.17%
unit	348 unit
good orientation	0%
bad orientation	100%
good view	100%
bad view	0%
residential efficiency	36.30%
project efficiency	43.40%



Schematic 3

residential floors	15 floor
height	80 m
residential floor area	2120 sq.m
residential circulation	20%
unit	210 unit
good orientation	57.14%
bad orientation	42.86%
good view	71.43%
bad view	28.57%
residential efficiency	44.79%
project efficiency	51.89%



Schematic 4

residential floors	27 floor
height	115 m
residential floor area	1150 sq.m
residential circulation	27.40%
unit	378 unit
good orientation	57.14%
bad orientation	42.86%
good view	71.43%
bad view	28.57%
residential efficiency	40.20%
project efficiency	47.30%



From the study, Choose Schematic 4 to develop.



This project has space between building and 2h line.



Bring the space into the building.



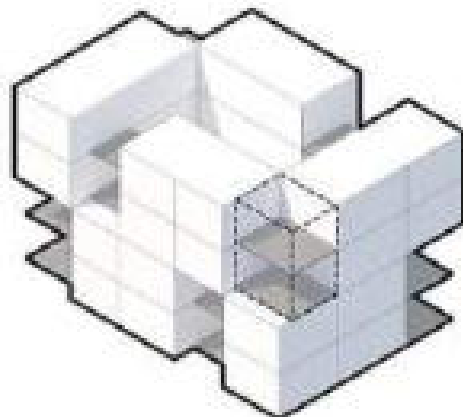
Causing the building to gradually rise.



Develop massing.



The final design pushes the building rise until it almost touches the 2H line and makes the room benefit as double volume



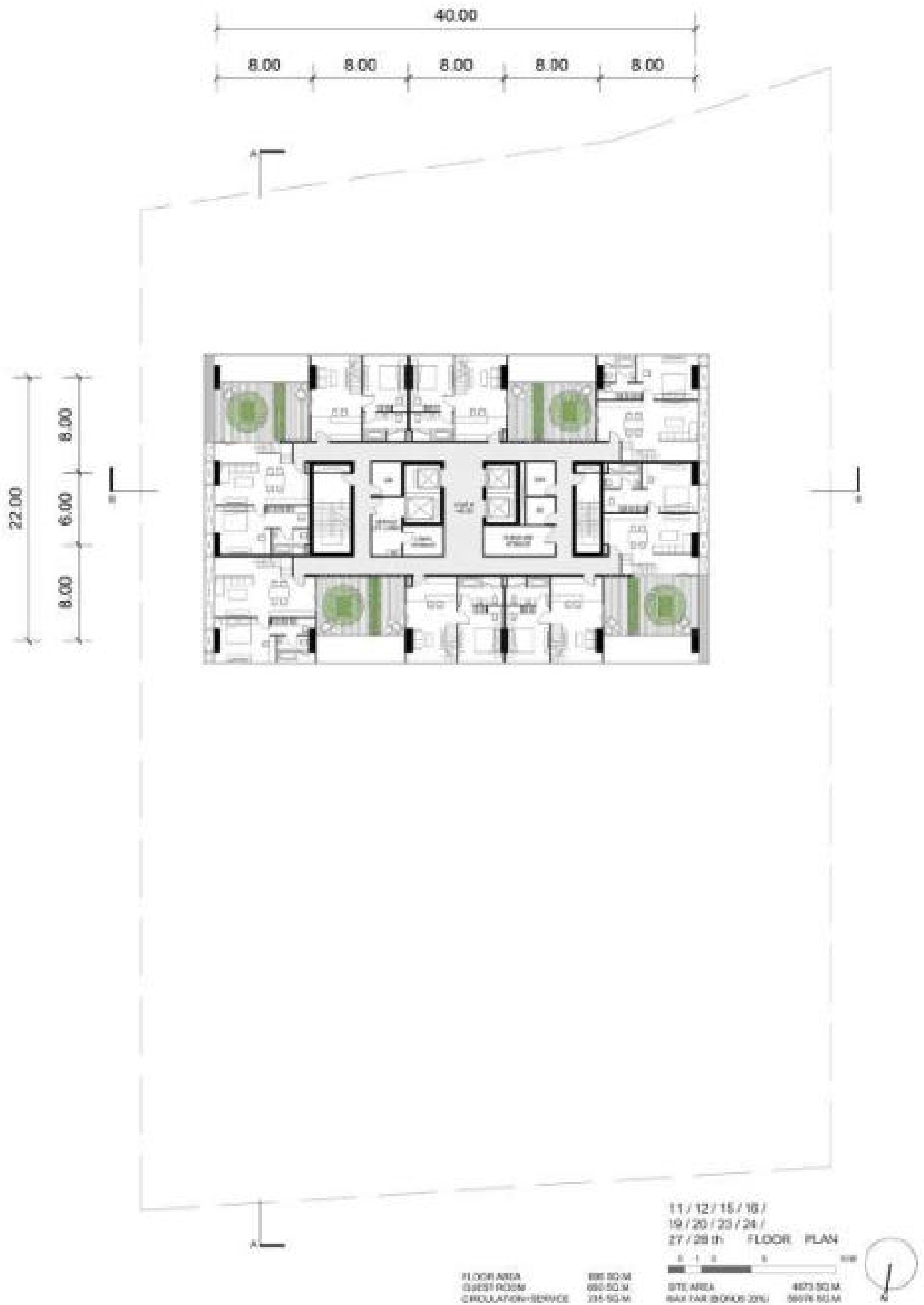
The Double volume that is formed will be an outdoor terrace area for every room. It is also natural ventilation for circulation.

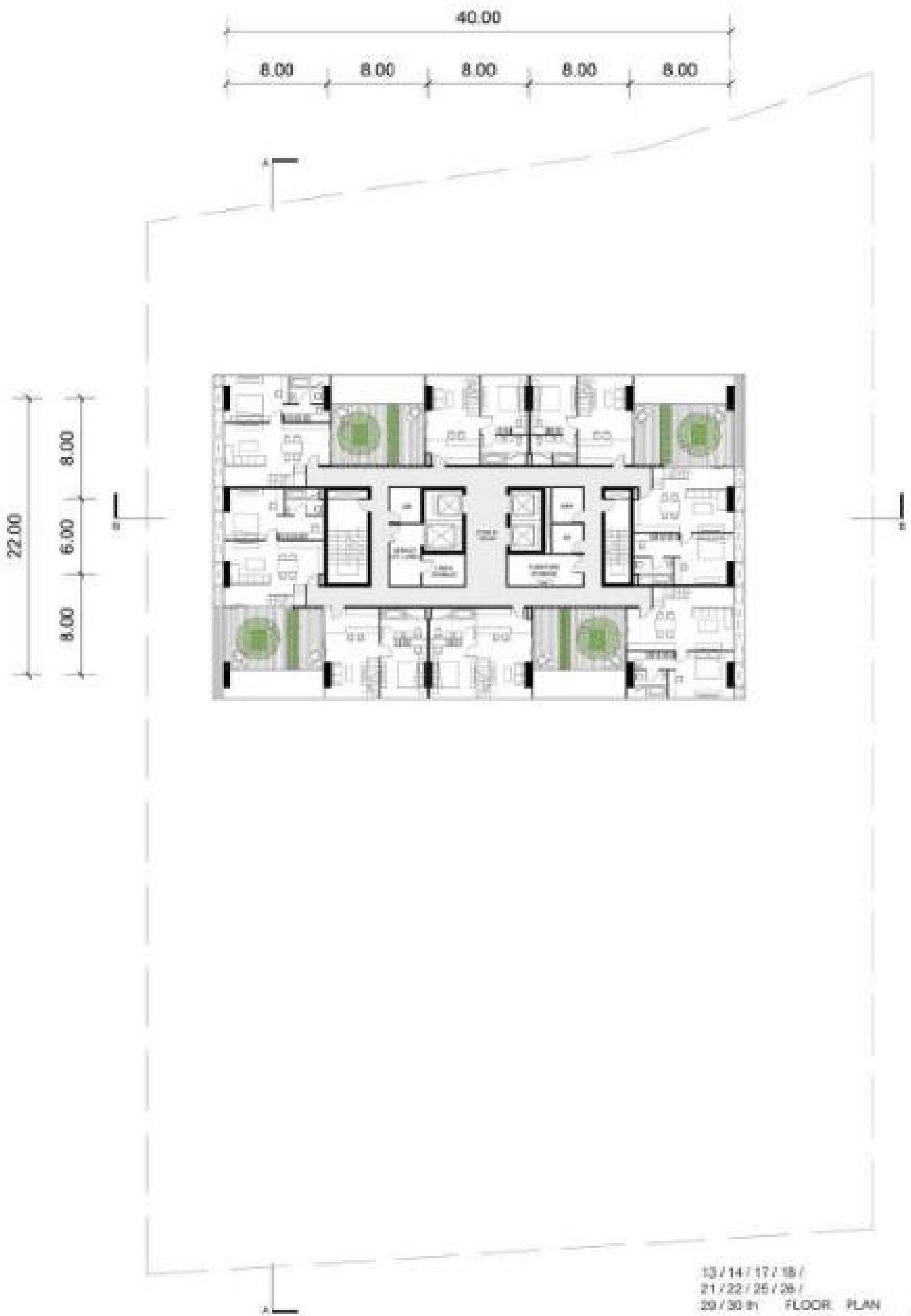


8th FLOOR PLAN

FLOOR AREA FACILITY	7056 SQ.M 2750 SQ.M	SITE AREA MAX FLOOR BUILDING 05A1	4873 SQ.M 18676 SQ.M
---------------------	------------------------	--------------------------------------	-------------------------







13 / 14 / 17 / 18 /
 21 / 22 / 25 / 26 /
 29 / 30 B1 FLOOR PLAN

FLOOR AREA	191 SQ.M	1:100	1:100
GUEST ROOM	600 SQ.M	SITE AREA	1873 SQ.M
CIRCULATION+TERACE	328 SQ.M	RAU FAR (BONALD) 2011	1873 SQ.M



1st FLOOR
60 SQ.M.



UNIT TYPE C1
1 BEDROOM

PLAN
60 SQ.M.



1st FLOOR

60 SQ.M.

1st FLOOR
70 SQ.M.



UNIT TYPE C2
1 BEDROOM

PLAN
70 SQ.M.



1st FLOOR

70 SQ.M.





Exterior perspective (community mall) from South Sathorn road.



Exterior perspective (swimming pool and facilities area) from this point of view guests can see a 360-degree view of South Sathorn Road.



Exterior perspective (guest room balcony) from bird's eyes view.



Interior perspective (guest room balcony) from this point of view guests can hangout, smoke, take in the breeze and enjoy the view, with trees at the center of the space.



Interior perspective (guest room living room).



Exterior perspective (penhouse guest room).



LAN-LA-LEN

Personal works (Competition)

Program

Civic center

Location

North is adjacent to the green area **East**, next to the road 10-meters wide and business areas **West**, next to the government building area and cultural district **South**, next to a 17-meter wide road Railway tracks, community areas and business district.

Area

18,900 sq.m.

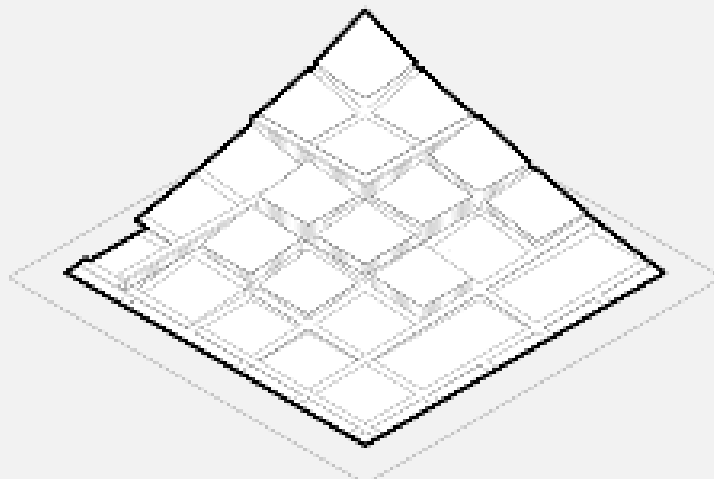
Year

2021

Description

Design challenges

- 1.It is an area that reflects the identity and pride of being a new destination for Thailand.
- 2.It is a space that meets the needs of the urban population and is a space for interaction with the concept of flexibility in mind.(Resilient Concept) that can adapt to changes It is an area that can cope with the risk factors that may arise in future or promote adaptability and flexibility, including a focus on areas that foster Paying attention to the art of urban living.
- 3.It is an area that communicates and connects every region and every dimension of Thailand. both in terms of content and assets.
- 4.It is the area that connects the region with the world. from showcasing innovation and being a new tourist attraction.
- 5.Architecture must reflect the environment and climate of Thailand. Consider energy saving can respond Climate change and various environmental and quality of life situations that may occur in the future.

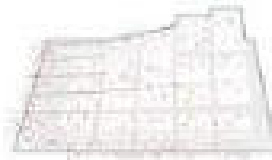




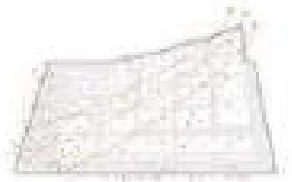
The courtyard and building are designed from a modular system to make it easy to modify and support the upcoming activities.



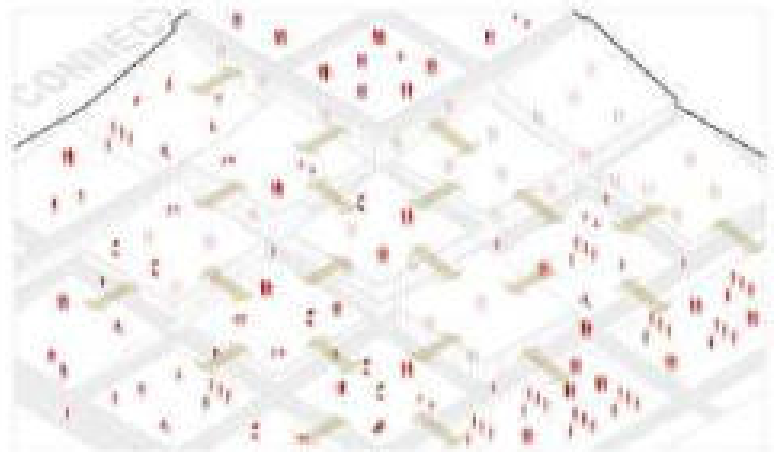
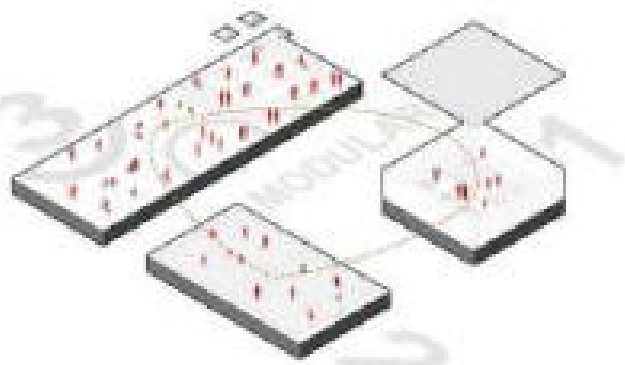
Hide the building under the courtyard to achieve continuity of space. There was no sense of separation between the building and the courtyard.



Multiple entrances and passages were made to the upper courtyard for the continuation of the forecourt with the upper courtyard and indoor space.

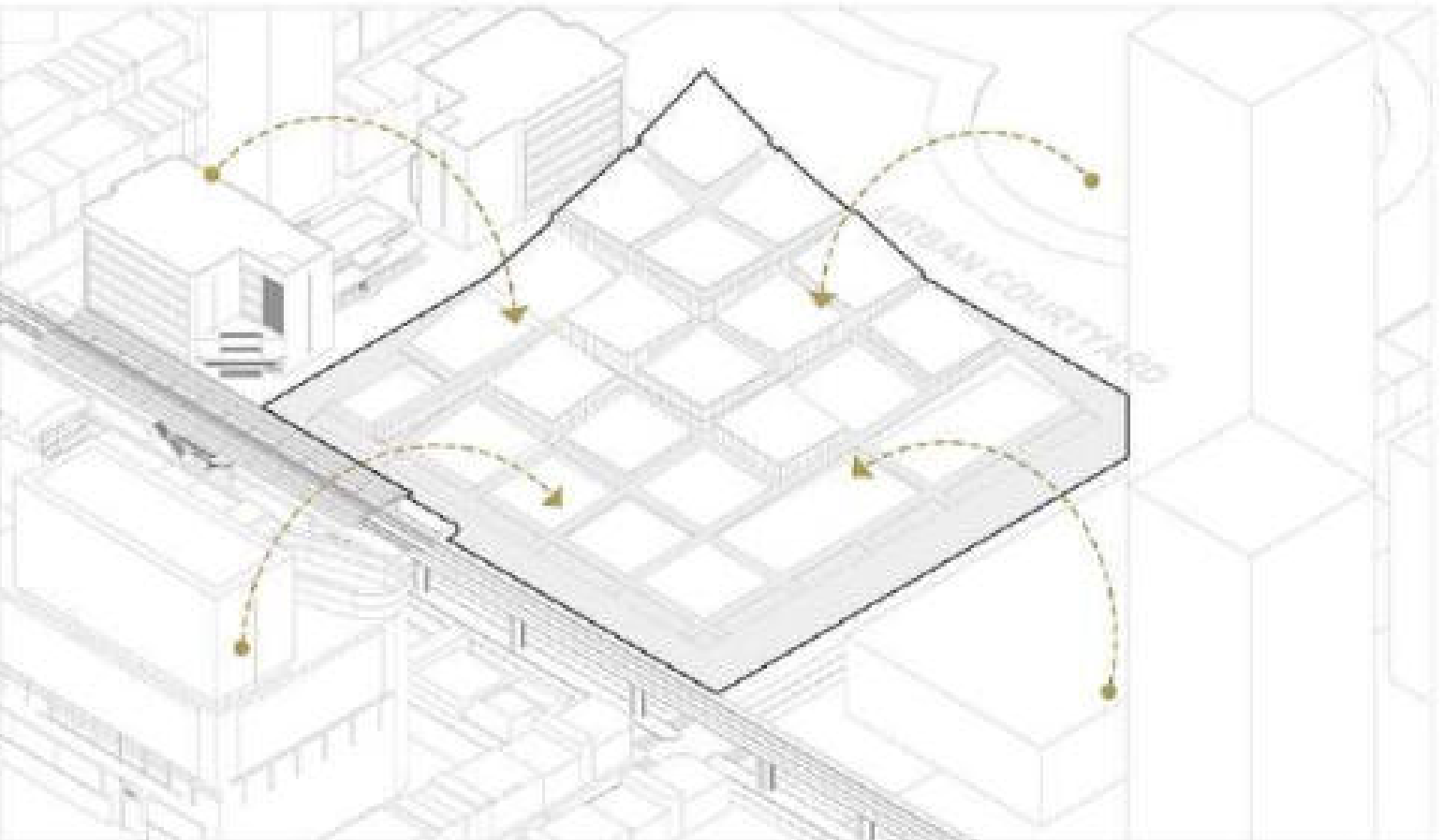


adjusted the form of the building to be continuous from the front yard to connect vision, traffic and usability.



"Lan" is designed to accommodate various activities that can be adjusted. By using a modular system.

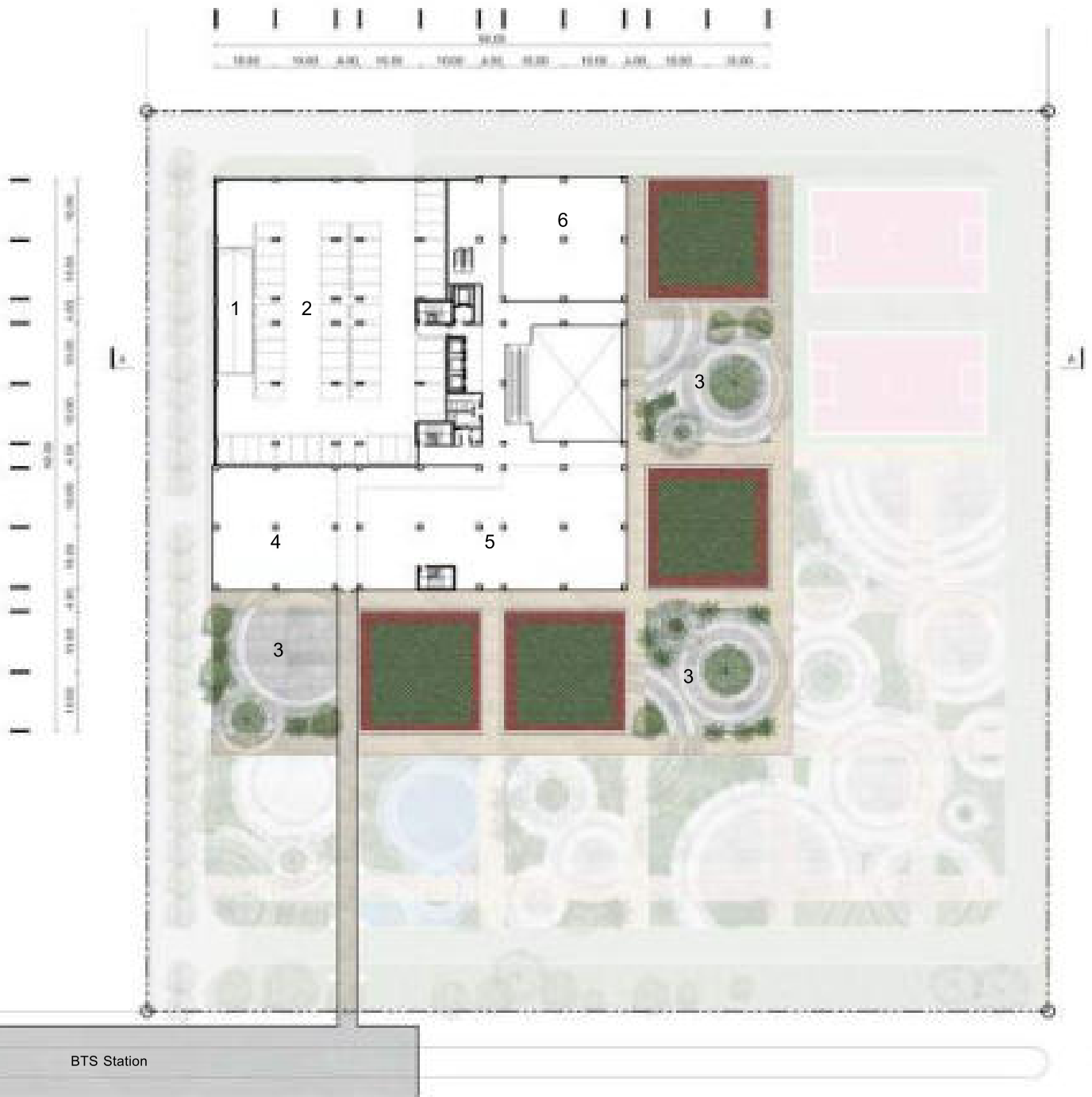
Each area can be connected to each other endlessly.



The building is designed to connecting with urban context by ground floor and roof yard.

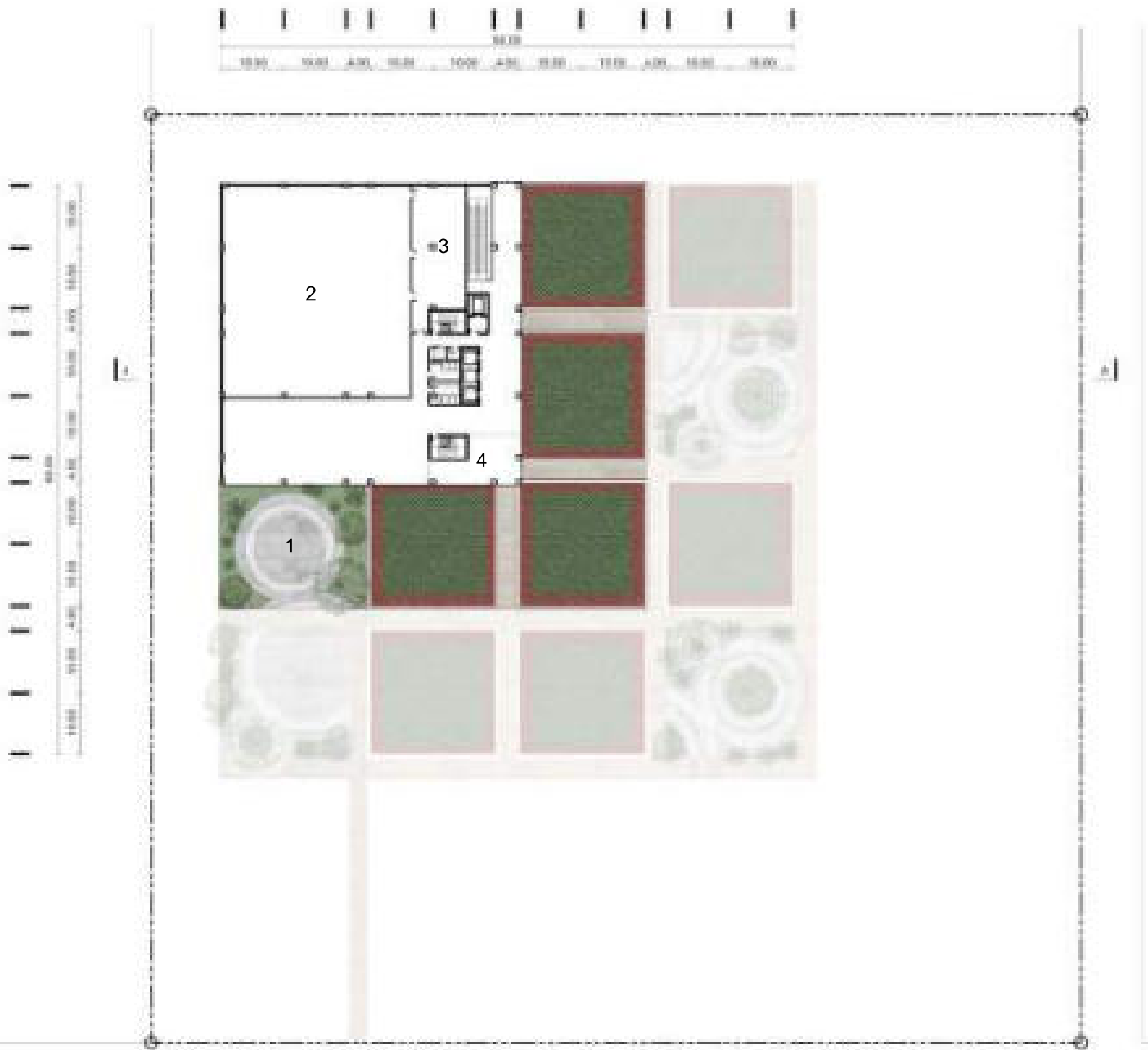


- | | |
|-------------------------------|---------------------------------------|
| 1.Drop-off | 13.Garbage room |
| 2.Retail | 14.Loading platform |
| 3.Post office | 15.Ramp |
| 4.District office | 16.Parking |
| 5.Indoor multi-proposed space | 17.Motocycle parking |
| 6.Exhibition space | 18.Sport court |
| 7.Food court | 19.Event space / Multi-proposed space |
| 8.Generator & Tranformer | |
| 9.Serviced room | |
| 10.Pump room | |
| 11.Water tank room | |
| 12.Juristic room | |



BTS Station

- 1.Ramp
- 2.Parking
- 3.Event space / Multi-proposed space
- 4.Game center
- 5.Co-working space & library
- 6.Gym



- 1.Event space / Multi-proposed
- 2.Mini-concert hall
- 3.Pre-function
- 4.Reception



Exterior perspective from the surrounding (high-rise buildings).



Exterior perspective from from the opposite side.

BANGSAEN POOL VILLA

Works at Somdoon Architects

Program

Hotel

Location

Khao lam rd. Chonburi, Thailand

Area

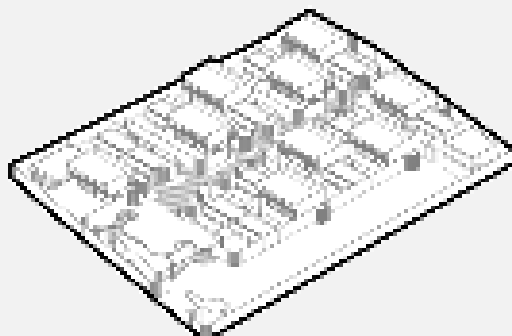
5300 sq.m.

Year

2021

Description

Khao lam Pool Villa is located on Khao Lam Road Chonburi nearby the famous Bangsaen Beach. The project consists of Pool Villas with one bedroom, two bedrooms, and four bedrooms, with a Lobby area and a café as a common area. The architecture was inspired by “sandy beaches” which applied in the main walkway design to the landscape design.





Sand



Wood



Water

The materials within the project are Inspired by three elements from nature, conveying softness, warmth, movement.

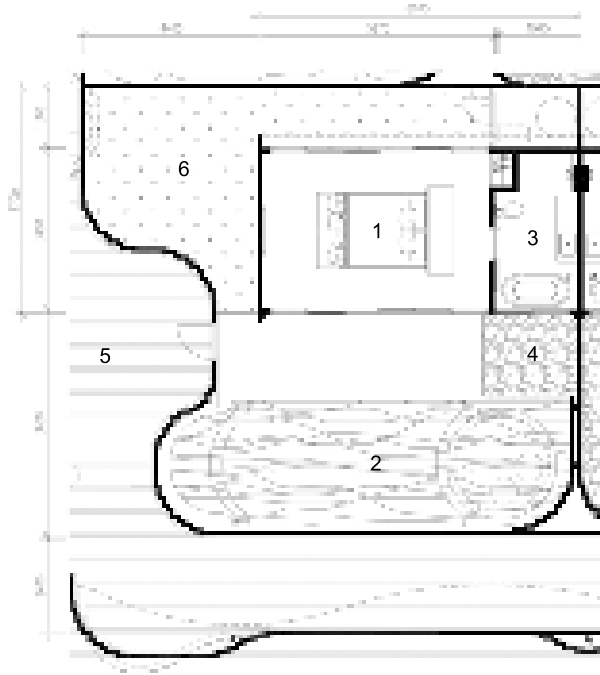
The concrete blocks with curved ridges stacked over in a curved form, create the vertical layers of the wall representing the layers of sand. The wall wrapped along the walkway as a boundary that divided the space, creating a sense of privacy for both the one-bedroom Villa and the living area of the two-bedroom Villa. As a picture of white house laid on the dunes, the 2nd-floor area is designed to stand out using the design of concave volume, open up to the ground floor



One bedroom = 12 Units, two bedroom = 8 Units, four bedroom= 1Unit, total = 21Units

One bedroom

- 1. Bedroom
- 2. Pool
- 3. Restroom
- 4. Outdoor shower
- 5. Main walkway
- 6. Garden

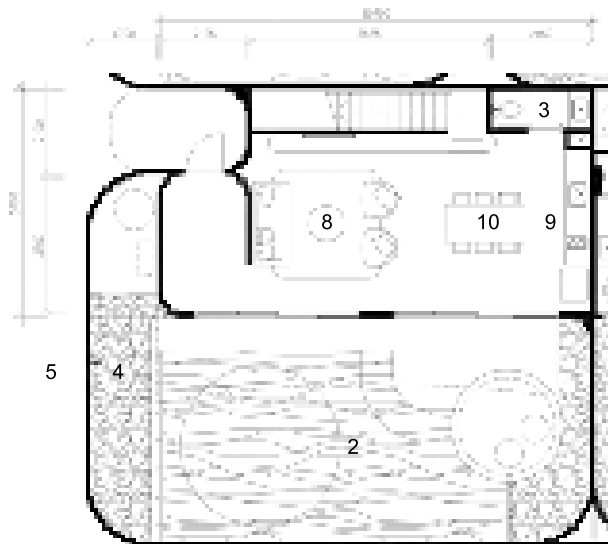


1st Floor Plan

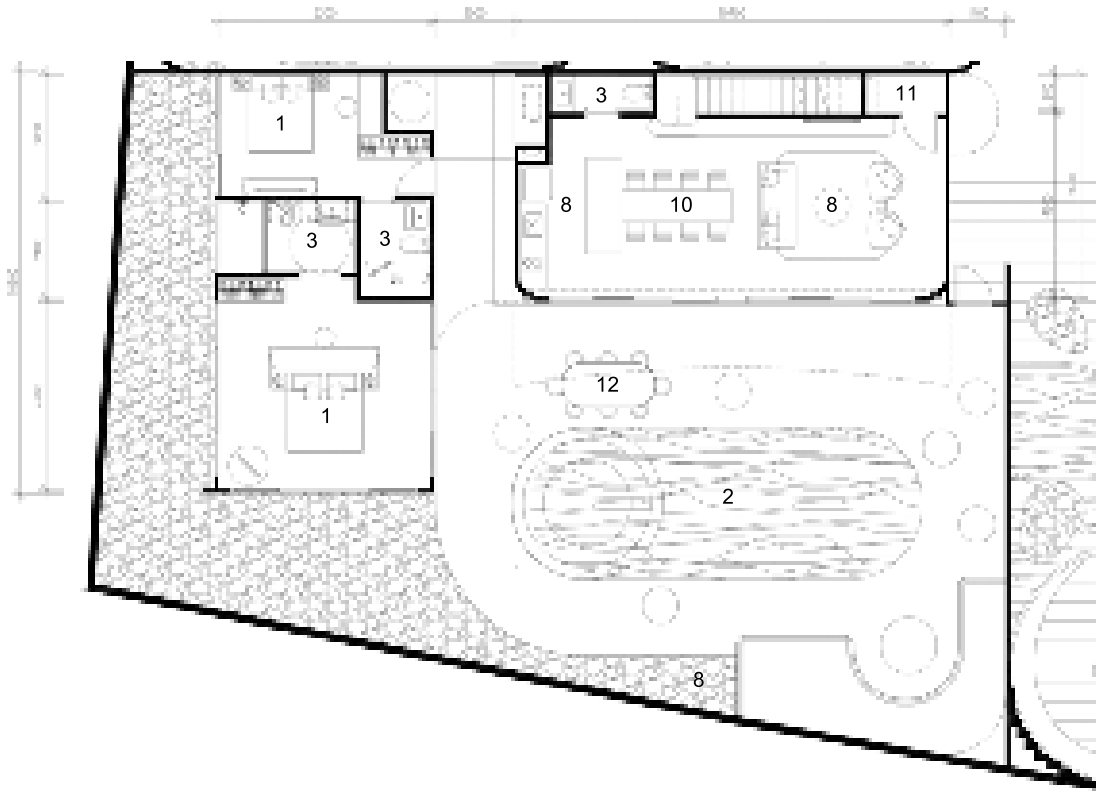
2nd Floor Plan

Two bedroom

- 1. Bedroom
- 2. Pool
- 3. Restroom
- 4. Outdoor shower
- 5. Main walkway
- 6. Garden
- 7. Balcony
- 8. Living area
- 9. Kitchen
- 10. Dining area



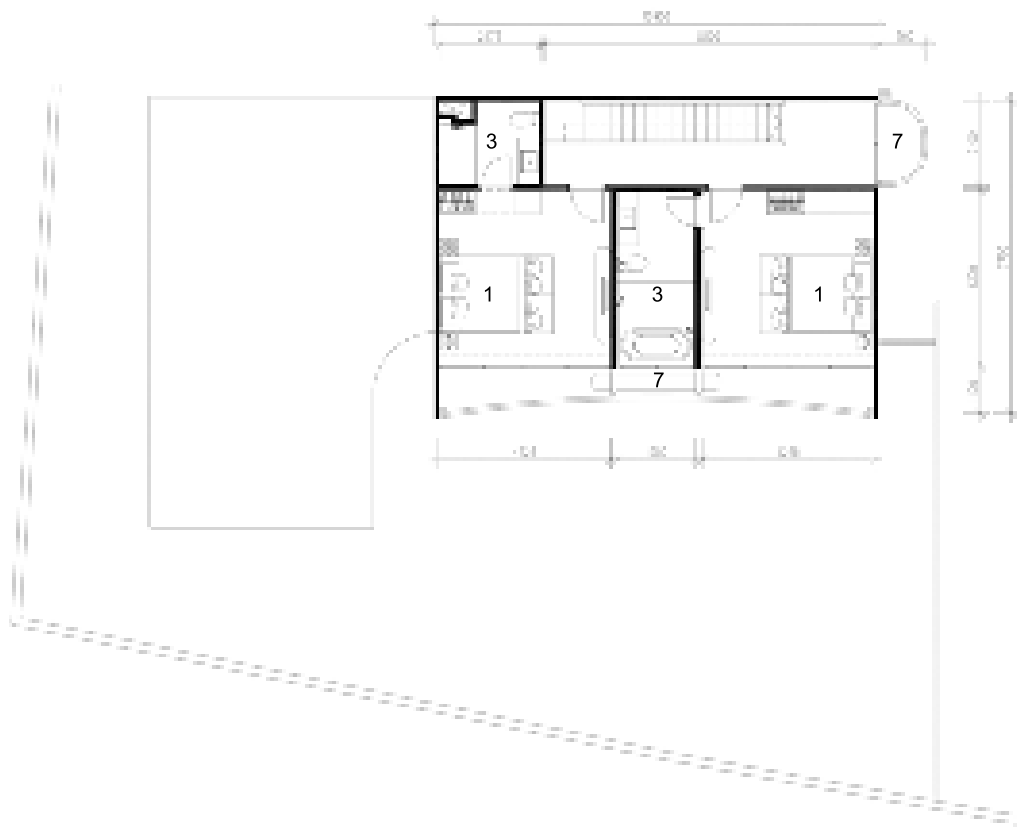
1st Floor Plan



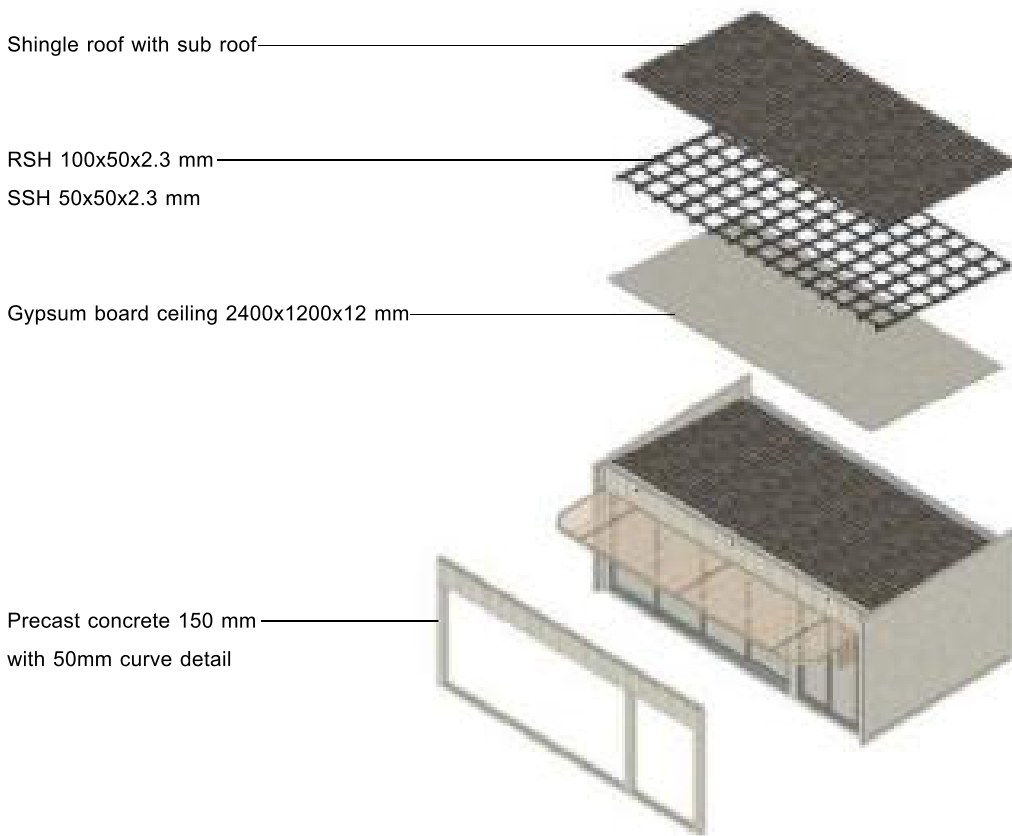
Two bedroom

- 1. Bedroom
- 2. Pool
- 3. Restroom
- 4. Outdoor shower
- 5. Main walkway
- 6. Garden
- 7. Balcony
- 8. Living area
- 9. Kitchen
- 10. Dining area
- 11. Storage
- 12. Outdoor dining area

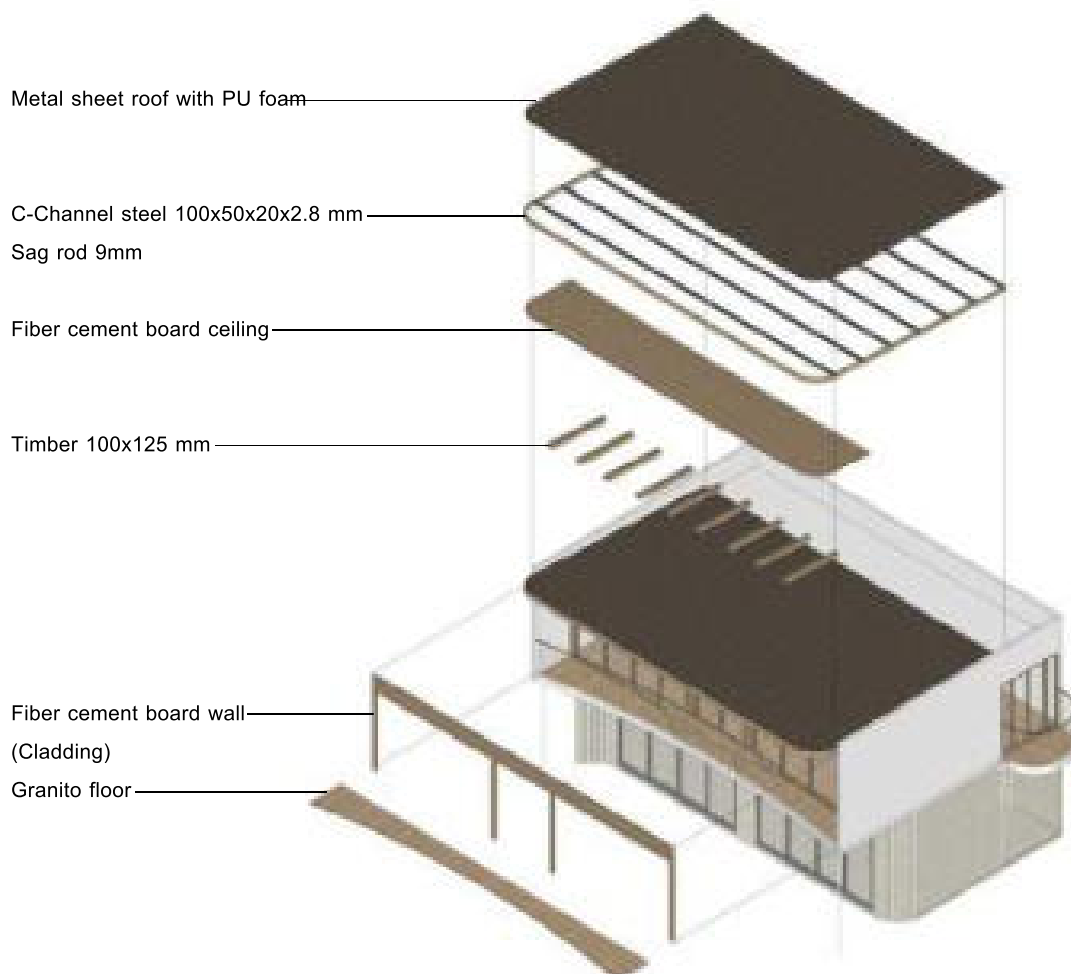
2nd Floor Plan



One bedroom



Two bedroom





The small balcony detail (two bedroom).

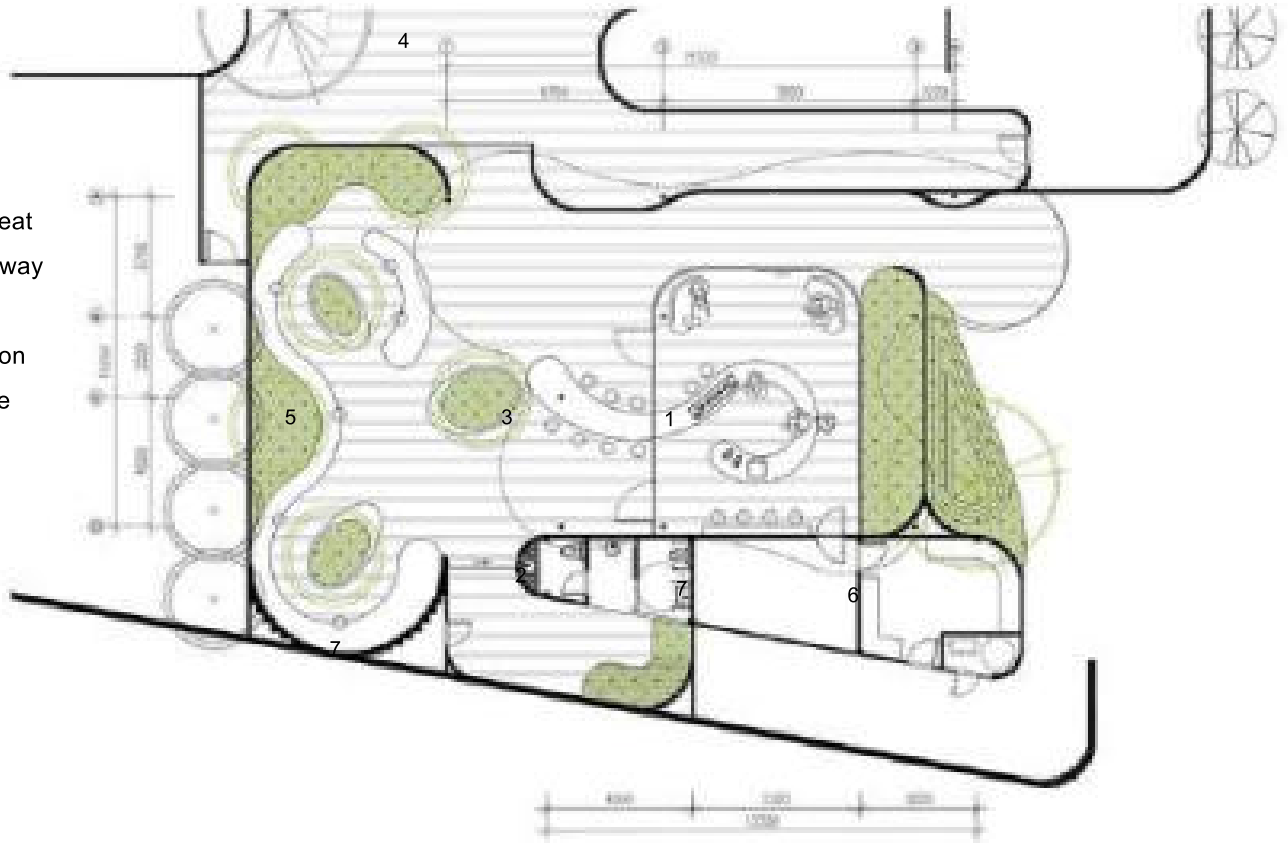


The long balcony detail (two bedroom).

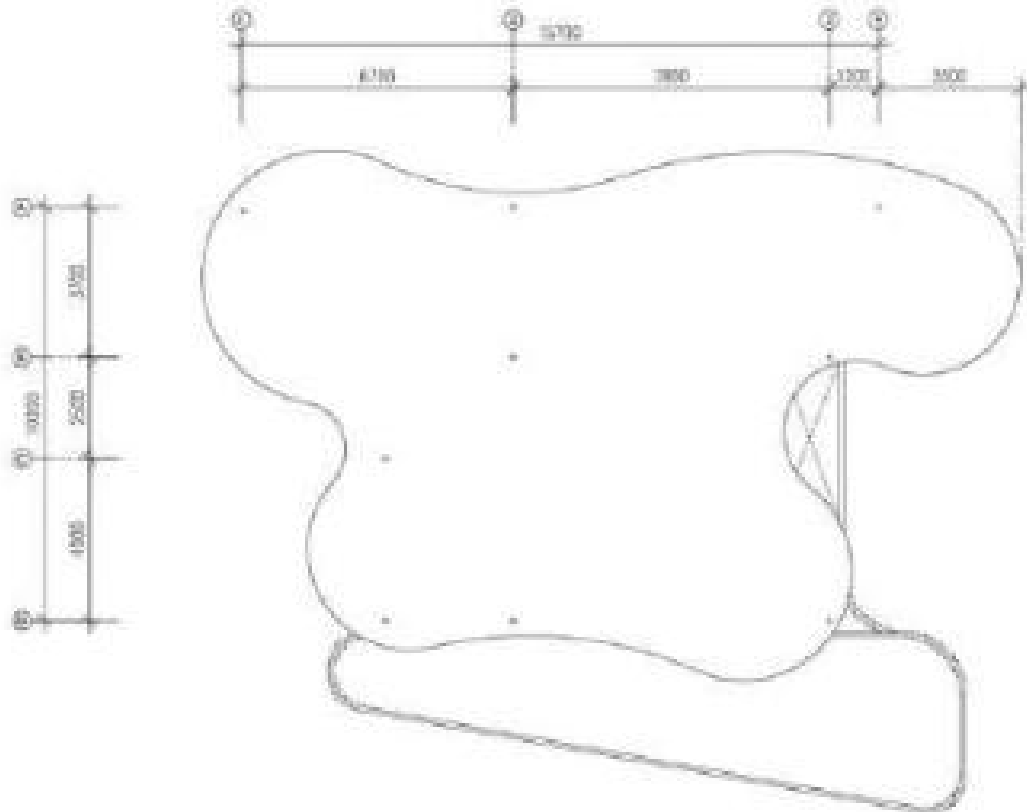
1st Floor Plan

Lobby

1. Cafe
2. Restroom
3. Outdoor seat
4. Main walkway
5. Garden
6. Food station
7. Back office
8. Storage



Roof Plan





Interior perspective from the cafe.



Exterior perspective from the garden.



Exterior perspective from 2nd floor (two bedroom).



Exterior perspective from the alley.



Exterior perspective from the alley.



Exterior perspective (bird's eye view).

TARO PAVILLION

Workshop

Program

Pavilion

Location

Kaengkhroi, Saraburi, Thailand

Area

25 sq.m.

Year

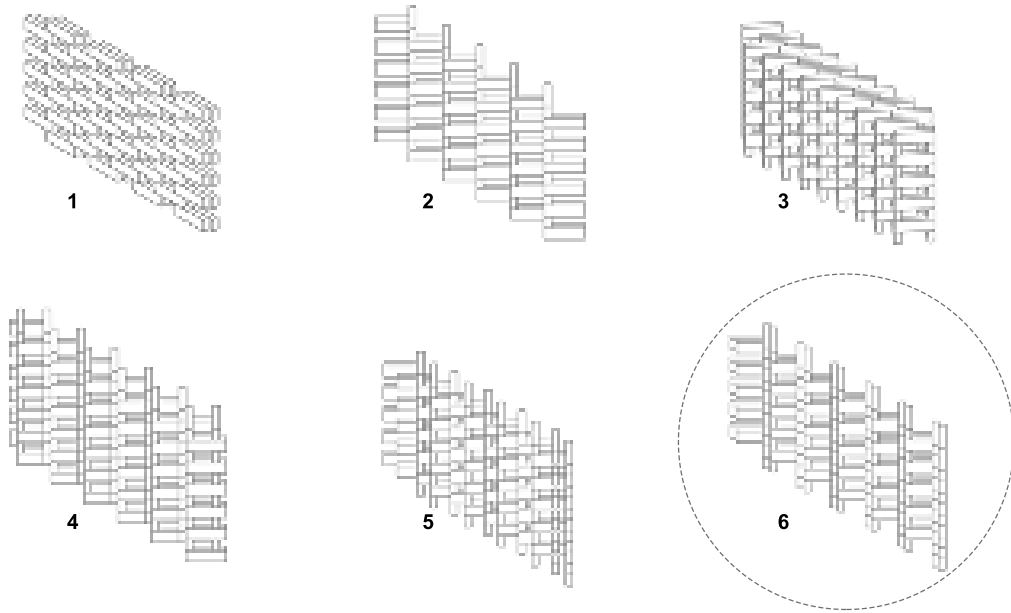
2016

Description

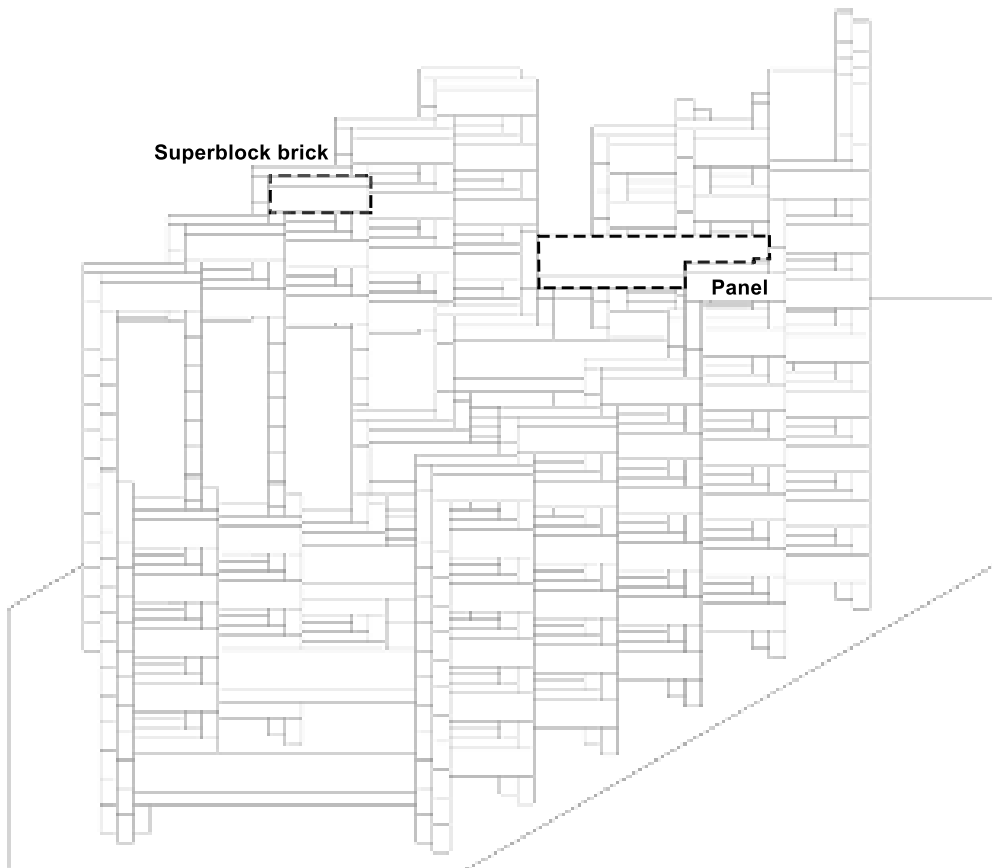
The small pavilion was built by nine students of the Faculty of Architecture, Chulalongkorn. Made from material constraints that can only be used for two types. The only thing is the superblock and panel. Designed to be able to walk Step up to see the birds at the top with a height of approximately 2.30 meters, and between the steps is also used as a resting place and a place for telescopes to Bird watching too The two walls act as a bunker that hides us.



We have tried bricklaying in more than 20 ways and chose only the one that is strong and able to withstand the weight well.

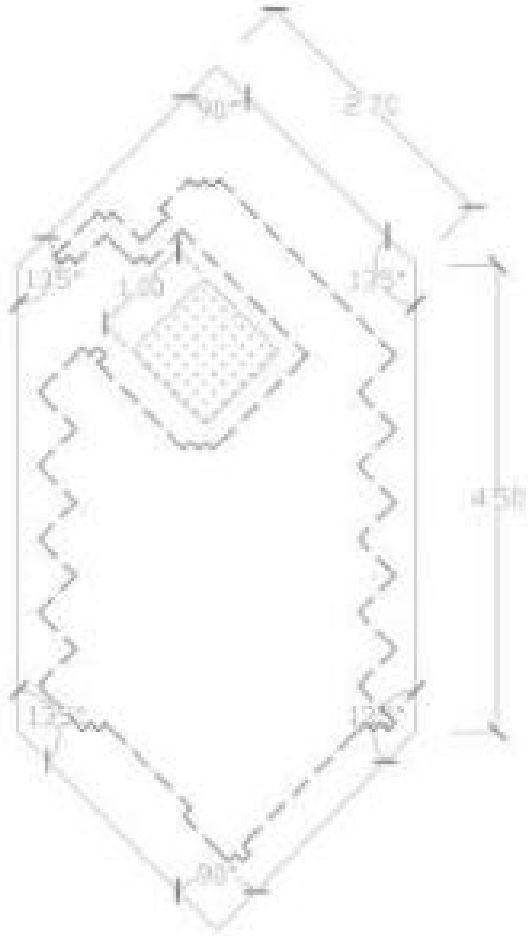


From the experiment, six interesting options were obtained, and chose option 6 for further development. Material constraints that can only be used for two types, the only thing is the superblock and panel.



Superblock brick = 408 units, Panel=12 units

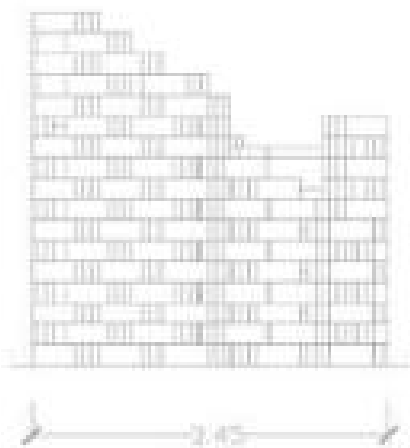
Layout



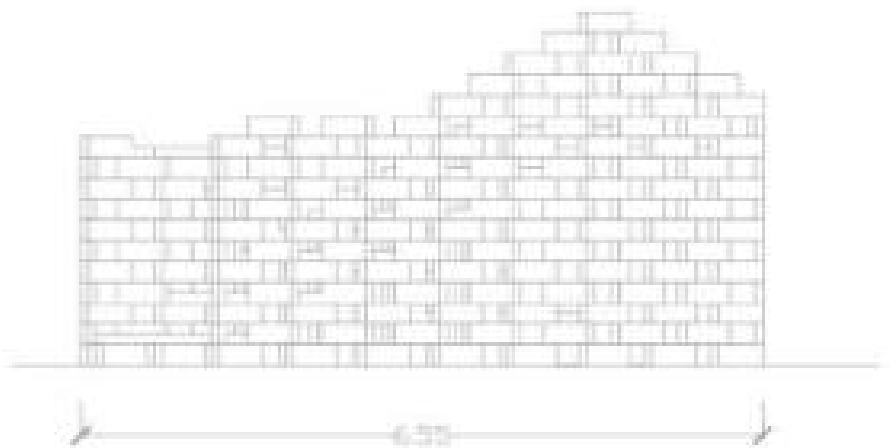
Plan



Front elevation



Side elevation





During the pre-development period, we visited the superbloc concrete factory. The staff explained how to cut the material.



Nine of us tested the panel's weight.



Construction process.



Construction process.



The facade serves as a bunker that Allows us to hide and study nature.



The steps leading up to the top of the Pavilion.

