

ARCHITECTURE  
DESIGN

# PORTFOLIO

PIYATIDA SANGSAKUL

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**PIYATIDA SANGSAKUL**

03/02/1995

A graduate in architecture from Rangsit University. Has completed internships with reputable companies here in Thailand. Passionate about design, construction, innovation, technology and continued learning and self development. Highly focused, responsible, and delights in exceeding expectations.

+666-1954-9351   piyatida.sangs@gmail.com   Nonthaburi, Thailand

Responsible, reliable, diligent, honest, positive and trustworthy, a good team player who can work well under pressure or under own initiative also, easy going, flexible, friendly and confident, focused and enjoys challenges.

**LANGUAGE**

Thai - Native Speaker  
English - Basic Level

**AWARD**

2019  
Thesis The Best of ENO Studio

**EDACATION**

2007-2012  
Nawamintharachinuthid Horwang Nonthaburi school  
Majored in Business Technology (3.47)

2014-2019  
Rangsit University, Pathumthani Thailand  
Bachelor of Architecture (B.Arch 3.55)

**INTERNSHIP PROGRAM**

2018  
Internship [1 Aug - 30 Nov]  
Palmer & Turner (Thailand) LTD.

**COMPUTER SKILL**

Autodesk AutoCAD (Proficient)  
Adobe Photoshop (Proficient)  
Lumion (Expert)  
SketchUp (Expert)  
ArchiCAD (Proficient)  
Microsoft Office (Proficient)

**HOBBIES & INTERESTS**

Photograph / Music / Traveling / Film Camera / Innovation Building / Technology / Plant





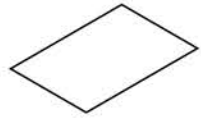
# 1 HIGH RISE BUILDING

*Wireless Road Bangkok, Thailand*

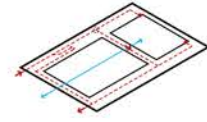
The Elegant design concept was born with strength in mind. The Podium design forms the roots and trunk of the building, the core and lifeblood of the overall construction. The building is aerodynamic in design, as is demonstrated by the curvature of the tower. Occupants of the building can also enjoy splendid views of the city and Lumpini Park.



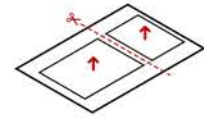
Diagram  
+  
Plan



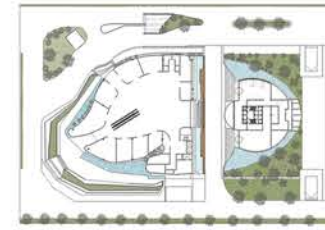
Site  
 Far = 17,600 x 7  
 = 123,200  
 OSR = 4.5/100 x 123,200  
 = 5,544  
 BRC = 17,600 - 5,544  
 = 12,056  
 = 10 L



Access  
 - - - car  
 ——— people



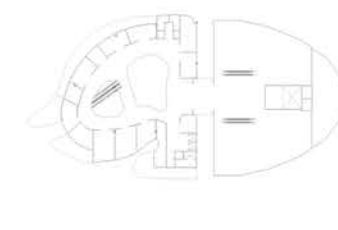
Building  
 Divide the area  
 into 2 parts which are  
 low rise and high rise



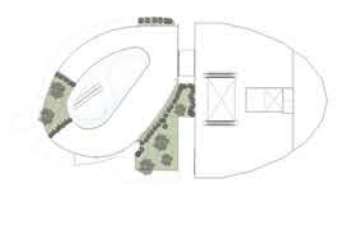
1 Floor Plan



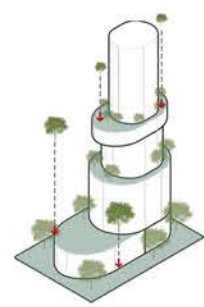
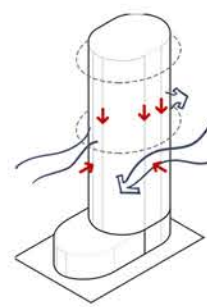
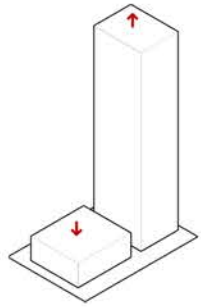
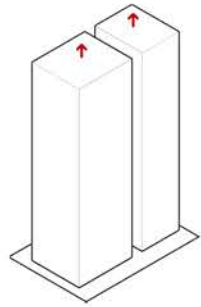
Commercial | 2 Floor Plan



Commercial | 3 Floor Plan



Commercial | 4 Floor Plan



Commercial | 5 Floor Plan



Office | 6 Floor Plan



Facility Hotel | 27 Floor Plan



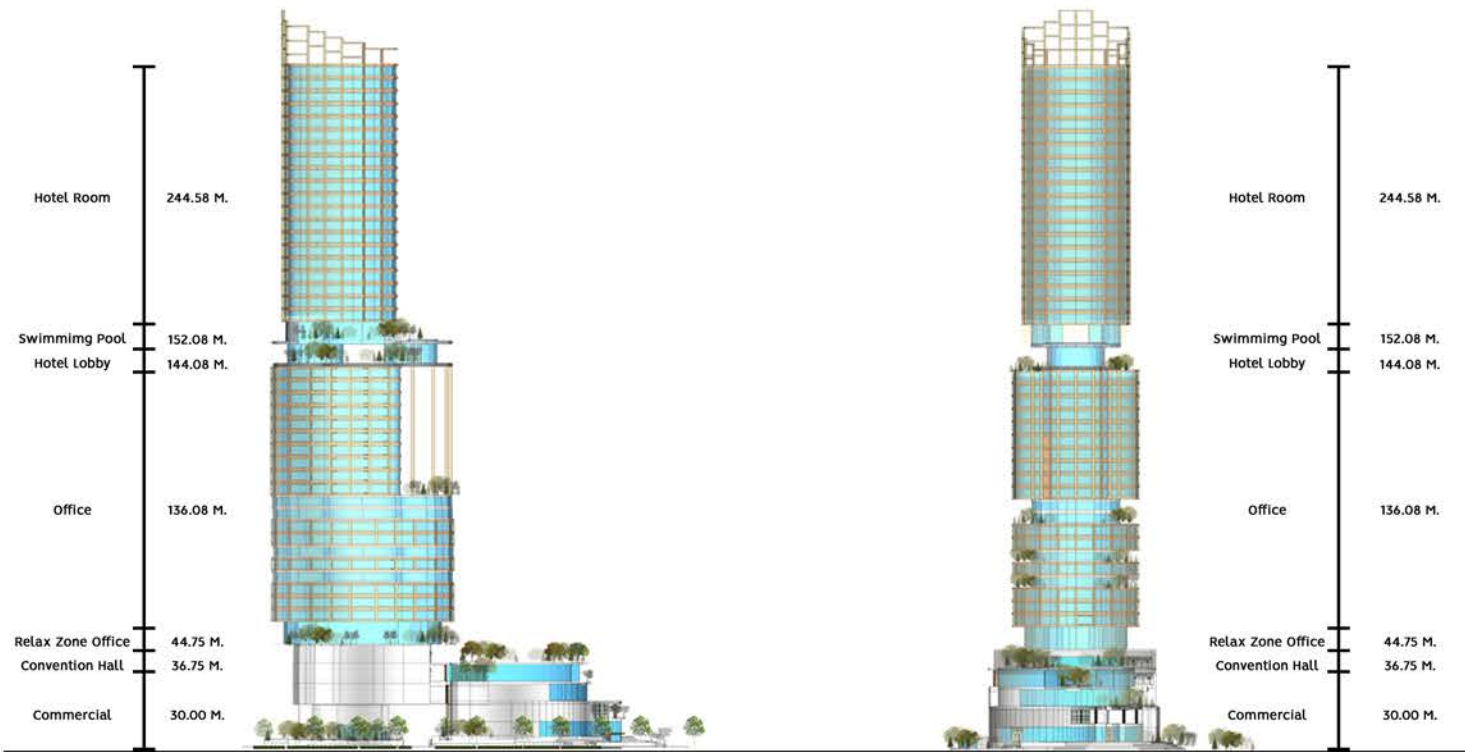
Facility Hotel | 28 Floor Plan

South Elevation

West Elevation

East Elevation

North Elevation





## 2 INDIA PAVILION

*Asean Expo 2020 Singapore*

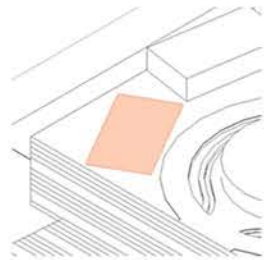
This conceptual design has a taste of India which is generally not one that is instantly recognizable as being from the country or culture. This design originates from the habitat of the world-renowned Ganges River. The design is entitled "Gaumukh" which refers to a large white glacier located in the Northern part of India. The sloping exterior structure gives the impression of melting glaciers flowing from the north down to the south of the country.



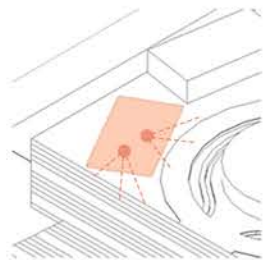


# India Pavilion

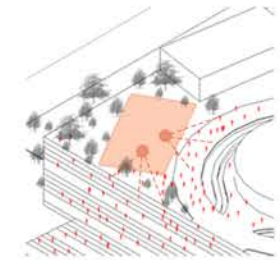
ASEAN X Pro 2020, Singapore hosting this event. The design presents the potential of India in a different perspective. When talking about India, we will think of the sari cloth, the river Ganges, the beliefs of the gods and the chaos of the state. But another corner, India has the potential in technology medical devices, many innovations that are very high, so we combine two differences together to see the potential for national development and global development.



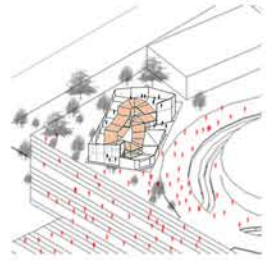
Indian Pavilion is next to the New Zealand Pavilion. There is a children's pavilion in the middle.



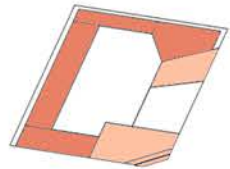
View from the building location



Position of entrance to the pavilion



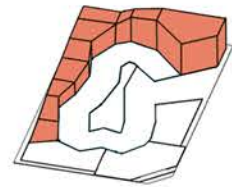
The number of people visiting the pavilion is 10-15 people per round.



Entrance and exhibition walkways



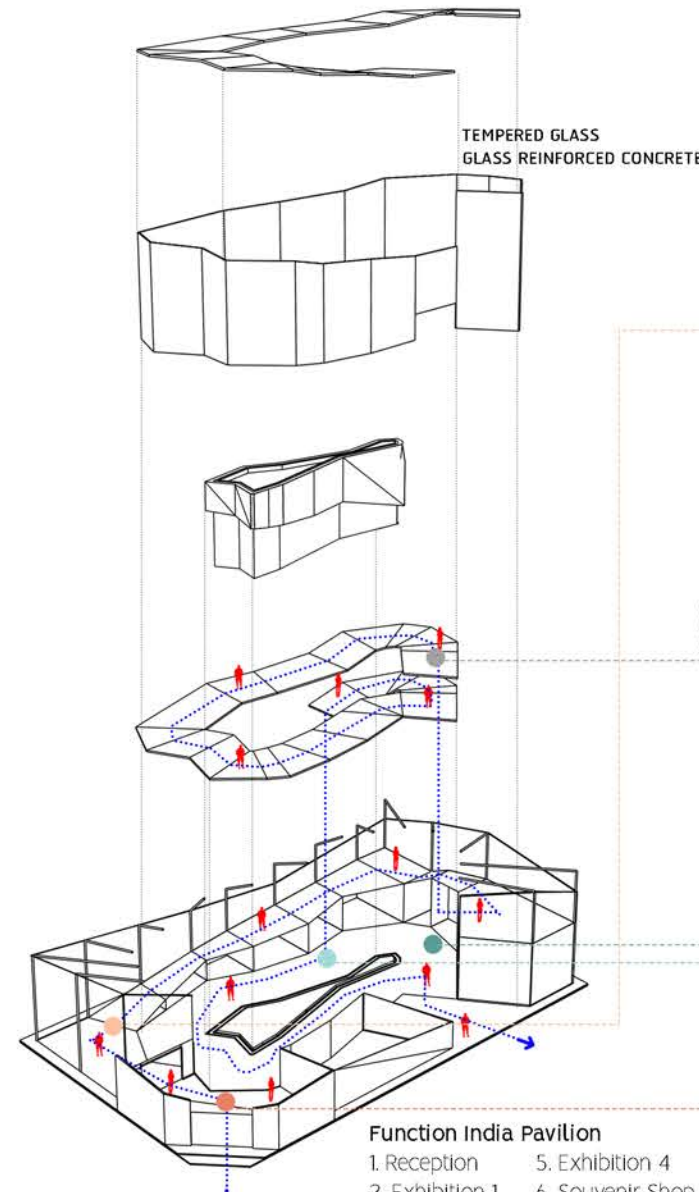
In the center is an exhibition showing the potential of the country.



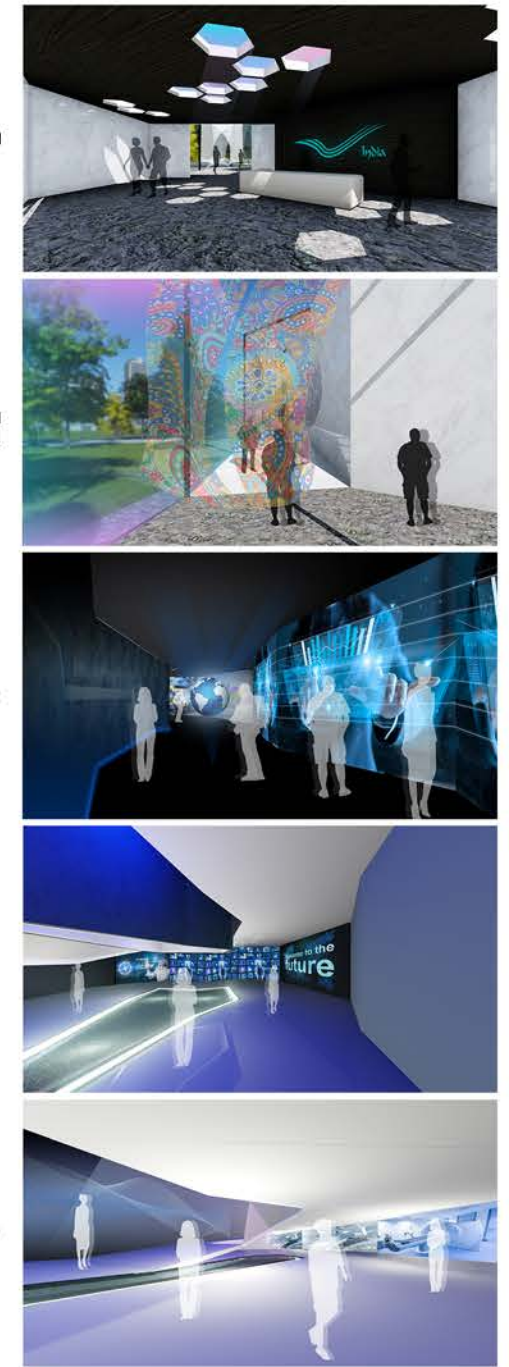
An exhibition showing the identity of India with saree fabrics.



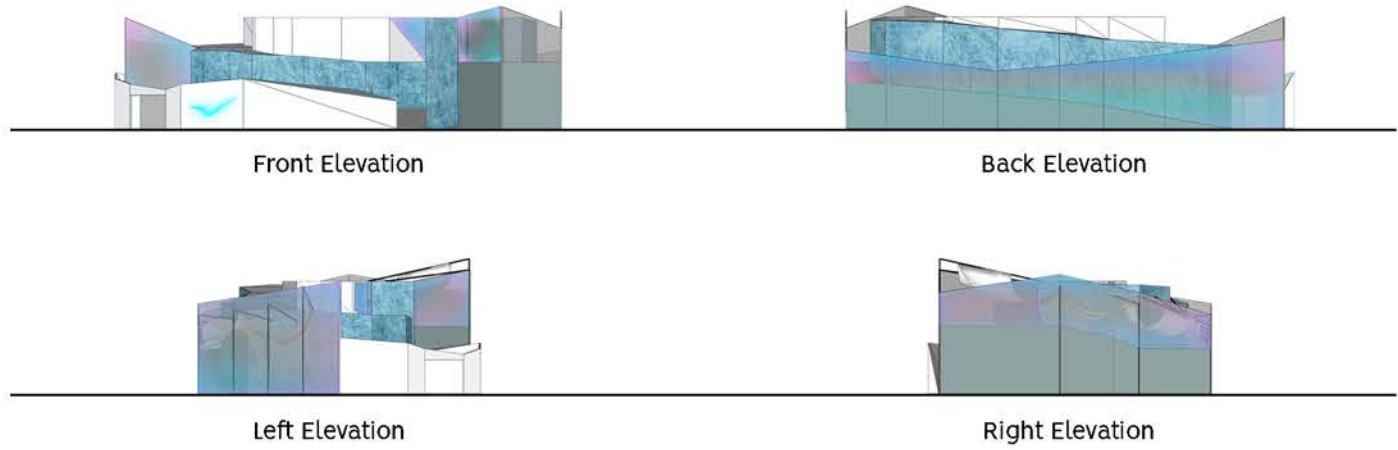
It is designed to feel like walking up to the mountain where the Ganges originated.



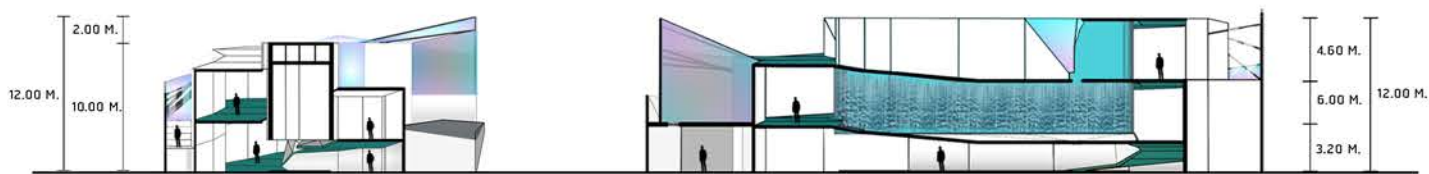
- Function India Pavilion**
- 1. Reception
  - 2. Exhibition 1
  - 3. Exhibition 2
  - 4. Exhibition 3
  - 5. Exhibition 4
  - 6. Souvenir Shop
  - 7. Office
  - 8. Service Zone



## Elevation



## Section





# 3 VEGETABLE LEARNING CENTER

*Project 4+1 Tha Ranae Trat, Thailand*

This conceptual design is in vernacular architecture form. The design and ambience is one which represents local lifestyles. An interesting fact is that local materials have been utilized during construction and the buildings fit in well with the natural surroundings. The building has been located within a pond, and as such the pond can also be used in the assistance of vegetation and irrigation.

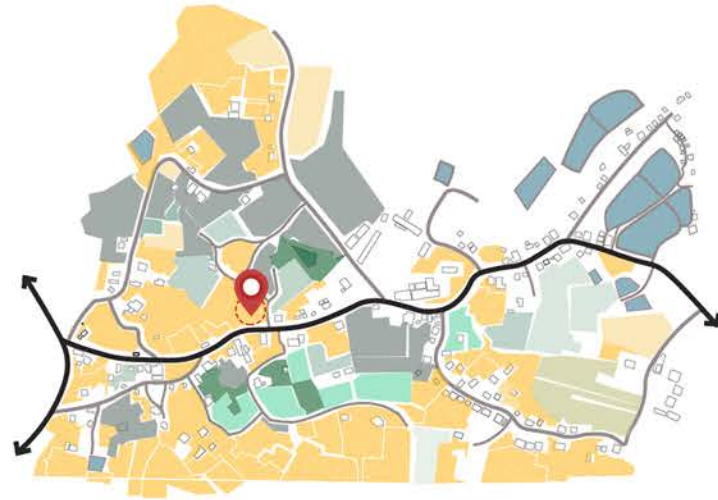




# VEGETABLE LEARNING CENTER

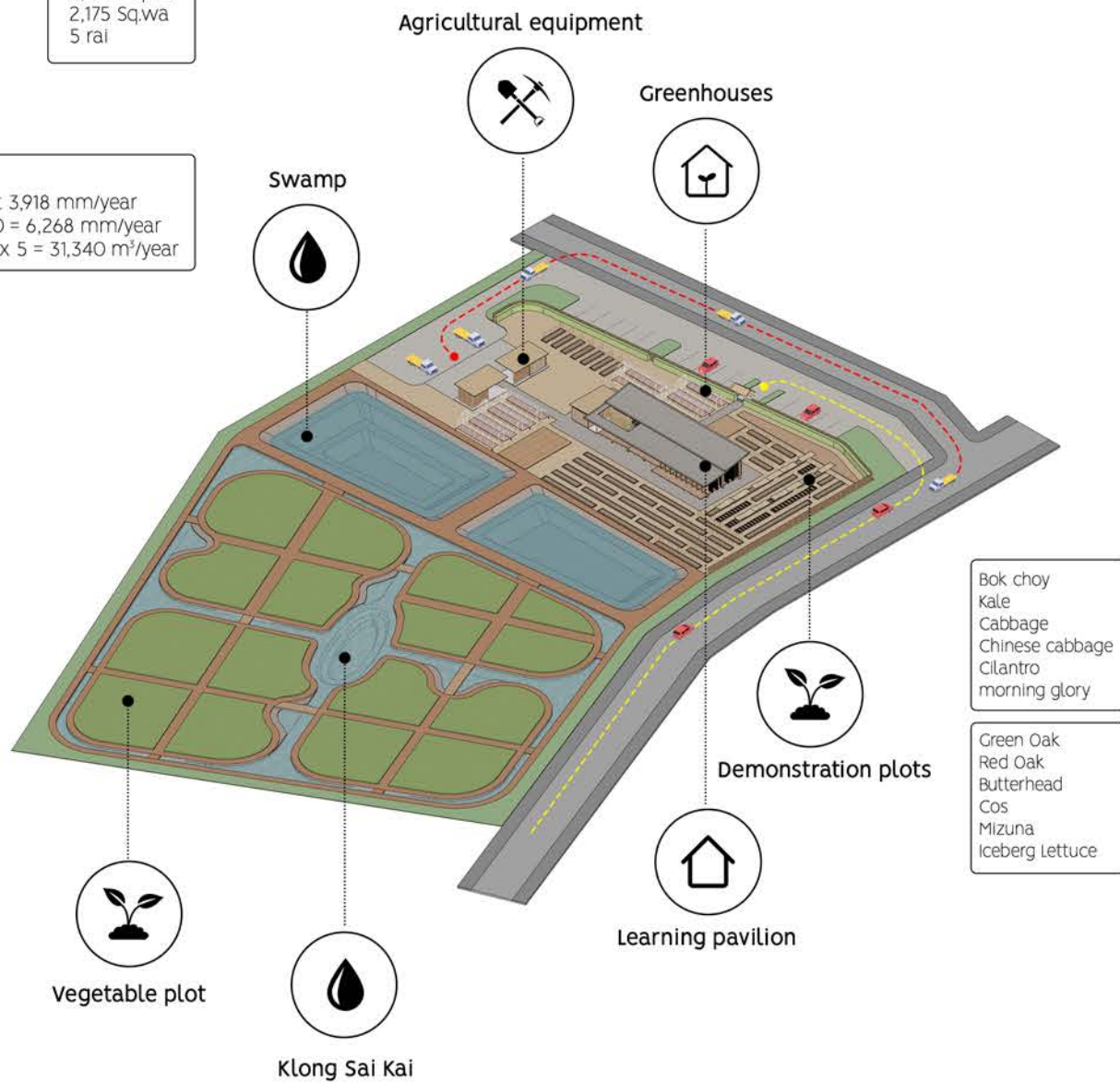
Project 4+1 Tha Ranae Trat, Thailand

Tha Rana community is divided into land and seashore. Which most villagers who do not have fish farming Therefore lacking the main income during the spawning season for approximately 5-6 months. The community itself has 9 existing learning groups. Therefore, the idea of bringing 9 existing villagers to create knowledge and income for the community and villagers.



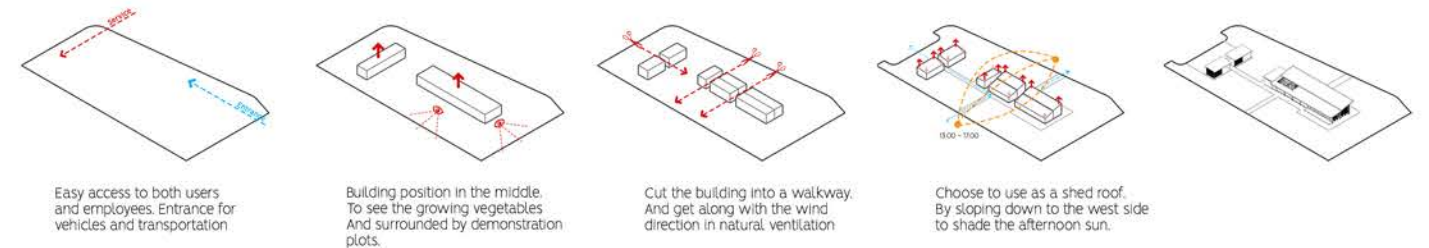
**Total Area**  
8,700 Sq.m.  
2,175 Sq.wa  
5 rai

**Swamp**  
Rainfall Trat 3,918 mm/year  
3,918 x 1,600 = 6,268 mm/year  
Total 6,268 x 5 = 31,340 m<sup>3</sup>/year



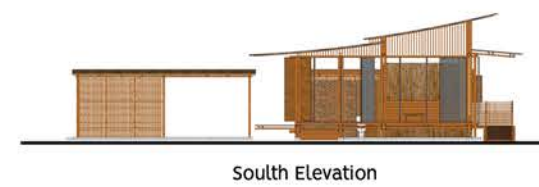
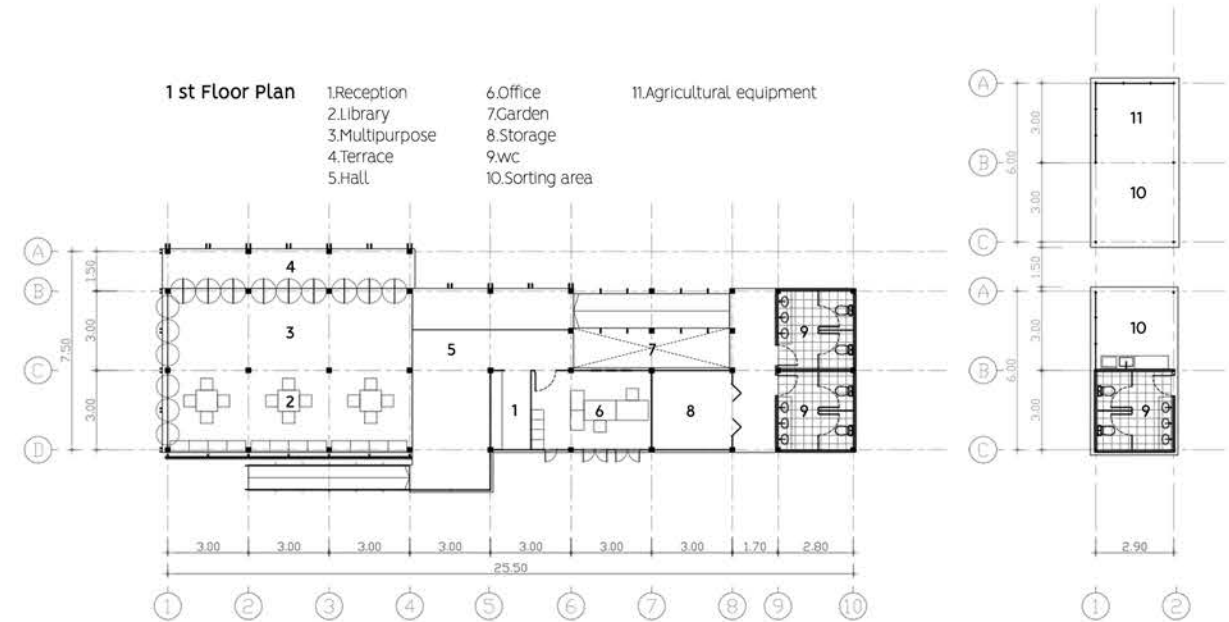
## Design Process

The elderly | Natural Ventilation | Young

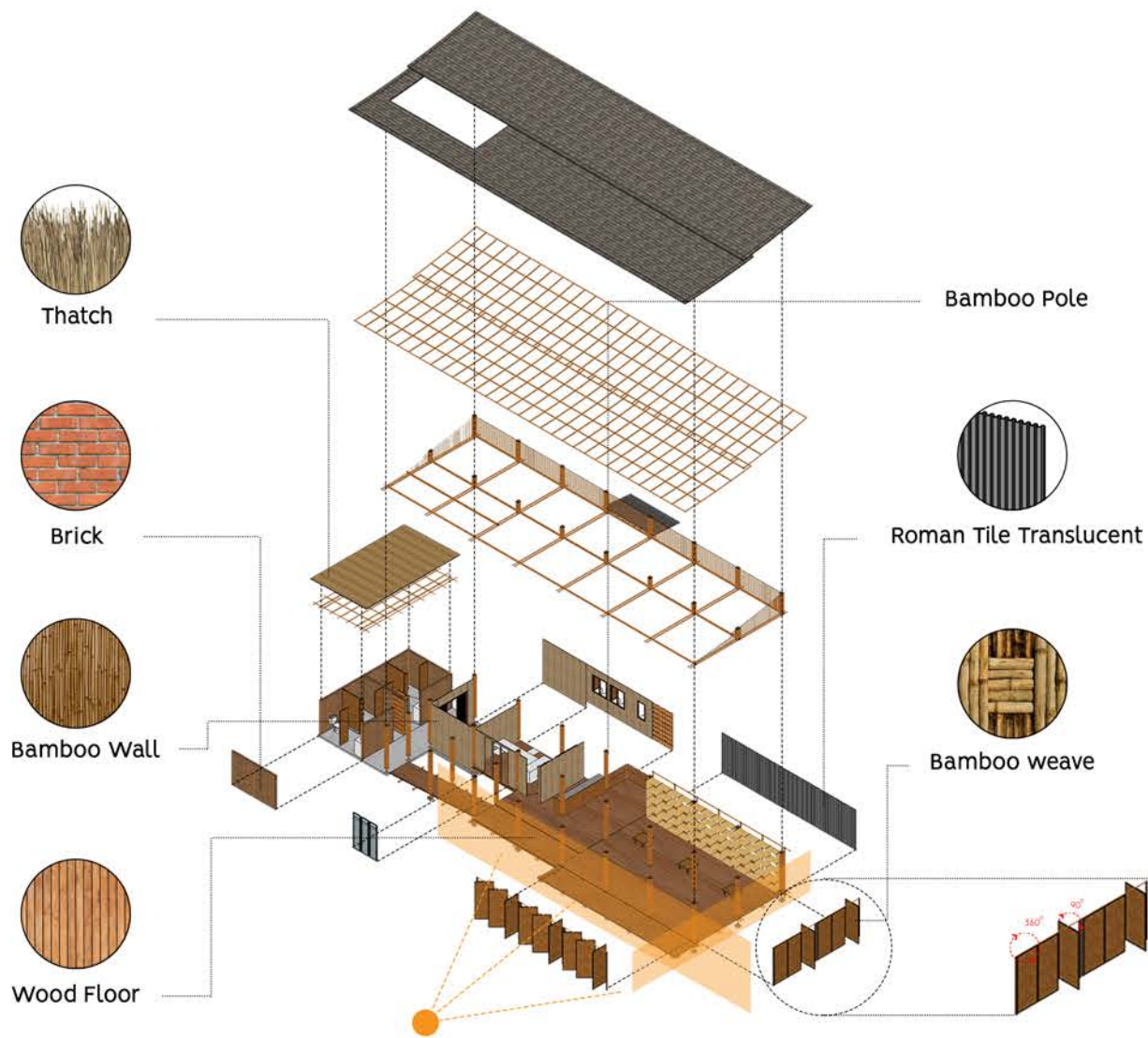


## 1st Floor Plan

- 1.Reception
- 2.Library
- 3.Multipurpose
- 4.Terrace
- 5.Hall
- 6.Office
- 7.Garden
- 8.Storage
- 9.WC
- 10.Sorting area
- 11.Agricultural equipment











## 4 THE FLEX | Intelligent Parking

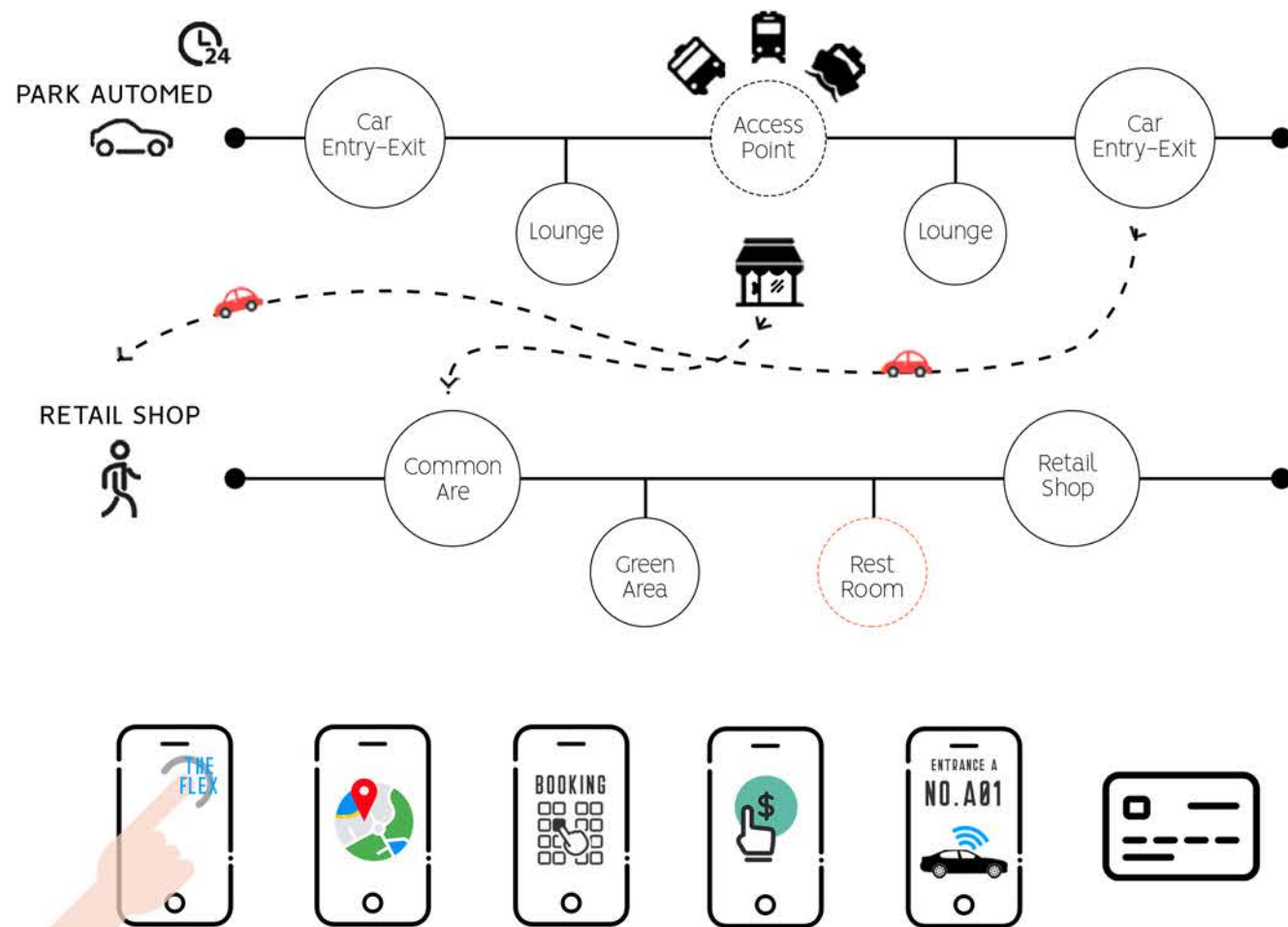
*Bangwa Interchange, Bangkok Thailand*

This project emphasize in mixed innovation Mechanical Parking design make it help in allocate area to parking. That help to reduce time to find the parking and help reduce road space but increase parking space. And design space in a limited space to be able to use effectively. Besides it can used with application for increase efficiency and convenient. This project able to make a value in the abandoned area by design a building with a large structure to look beautiful, combined with the art of drawing, lining and beautiful colors. In addition, it also adds a variety of space rental styles combined with architecture and technology and create new experiences for service users.



# THE FLEX | intelligent Parking

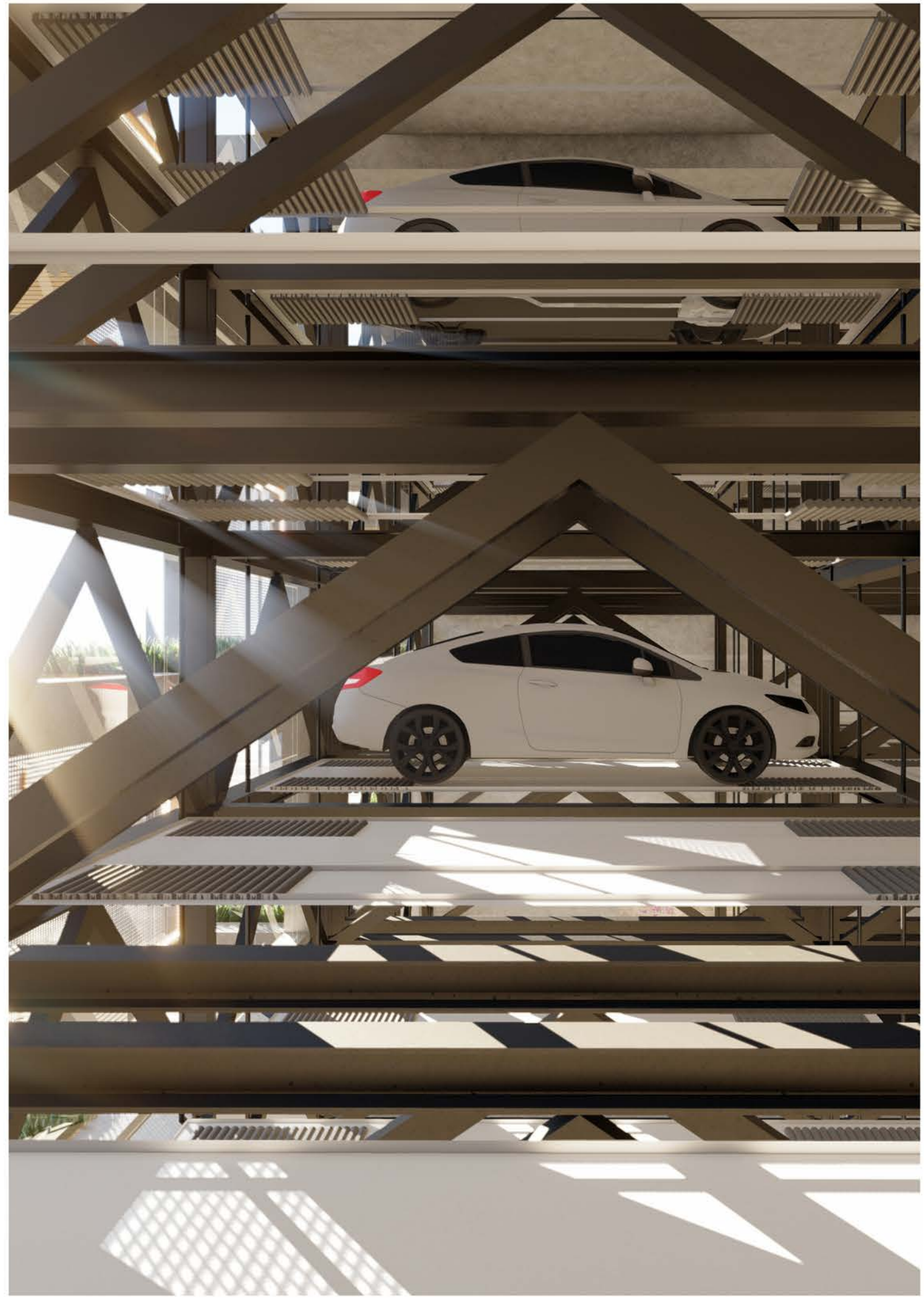
- Bring technology help to park+ in order to make parking more efficient.
- Solve problems for areas with insufficient parking spaces And areas with limited space.
- Propose guidelines for car park development to achieve maximum efficiency.



**SITE CRITERIA**

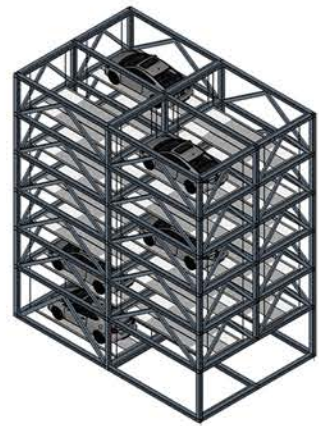
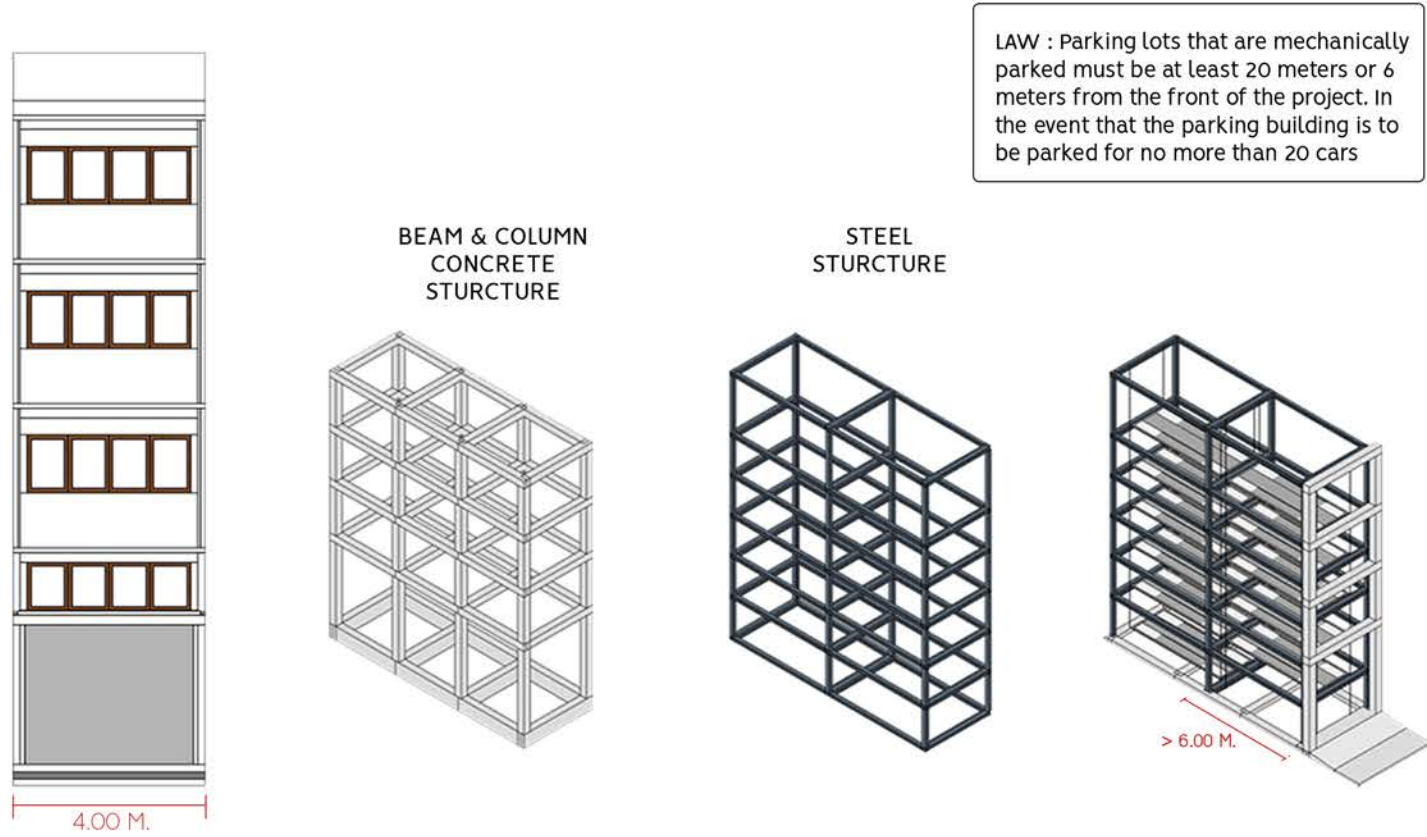
- Areas with insufficient parking problems
- In areas with heavy traffic
- Can connect to public transport
- Near the expanding residential community.
- Stay in the source of economic development

- Phasicharoen INTERCHANGE  
BTS Bangwa – MRT Bangwa
- Brown Area .9–21  
Price 11,250 /SQ.M.
- Size Area 2,150 SQ.M.



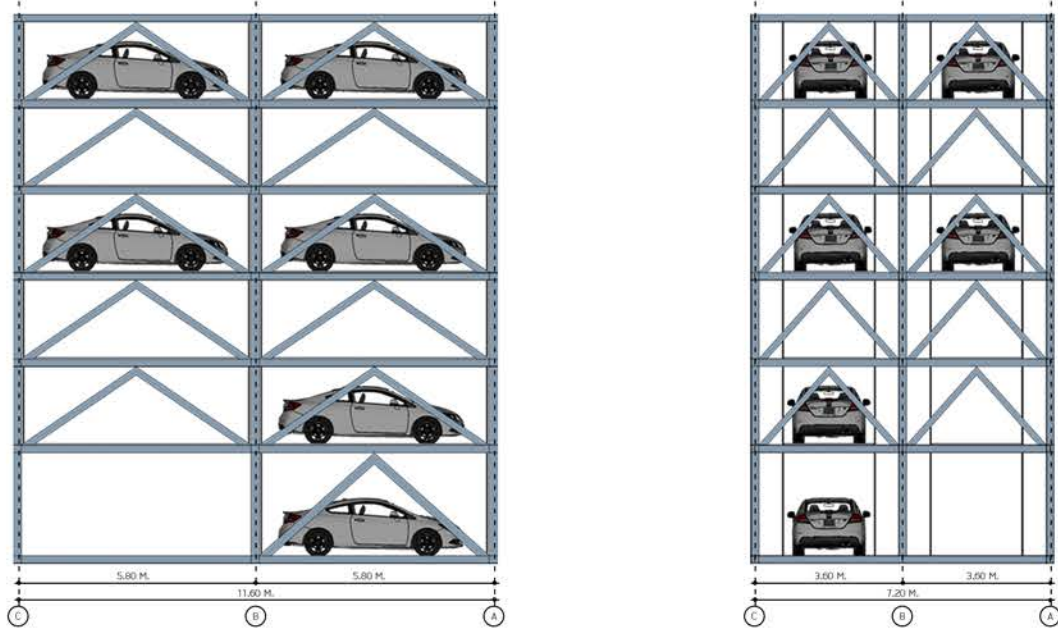


# DESIGN PROCESS | Auto Parking Machine

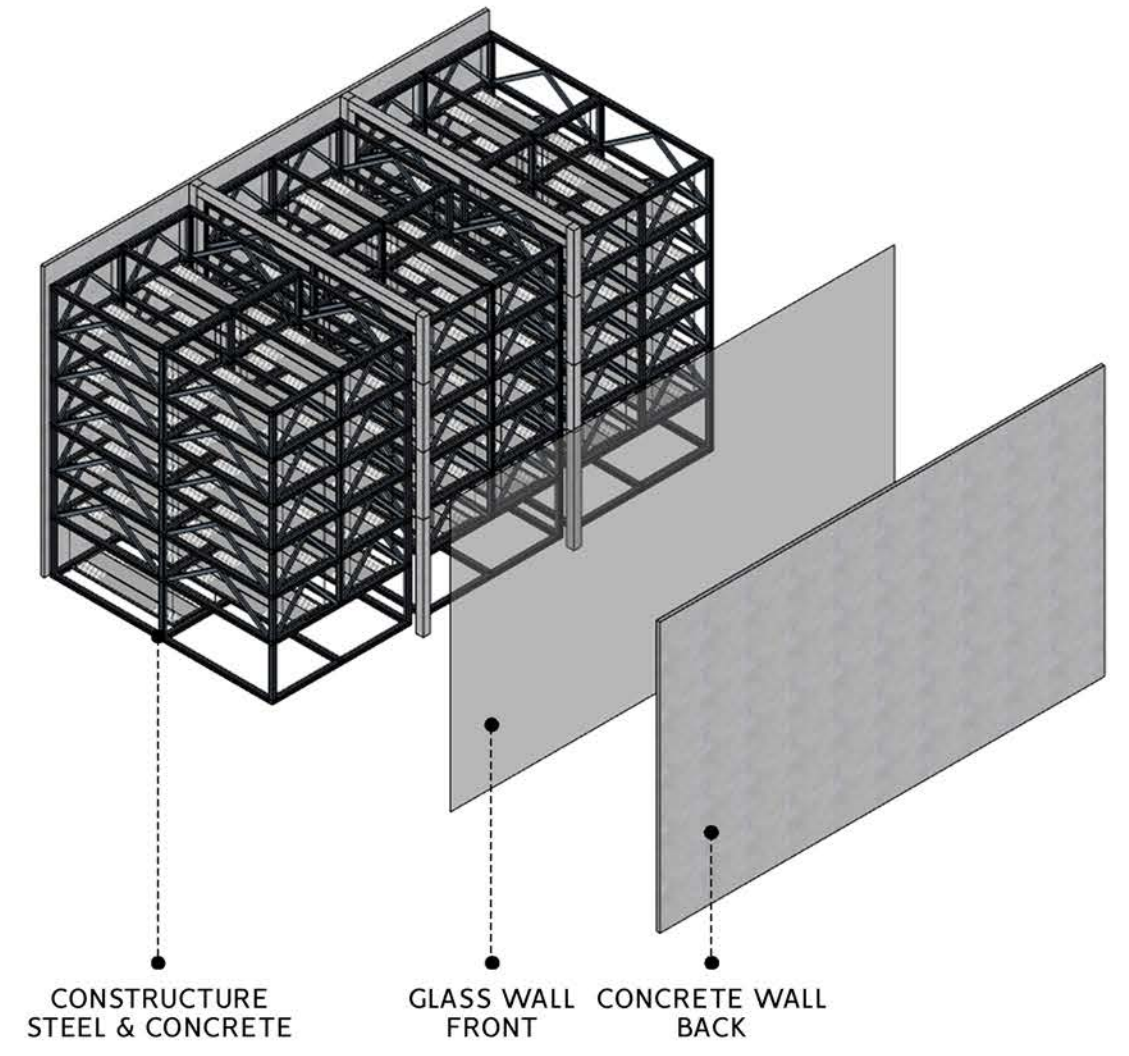
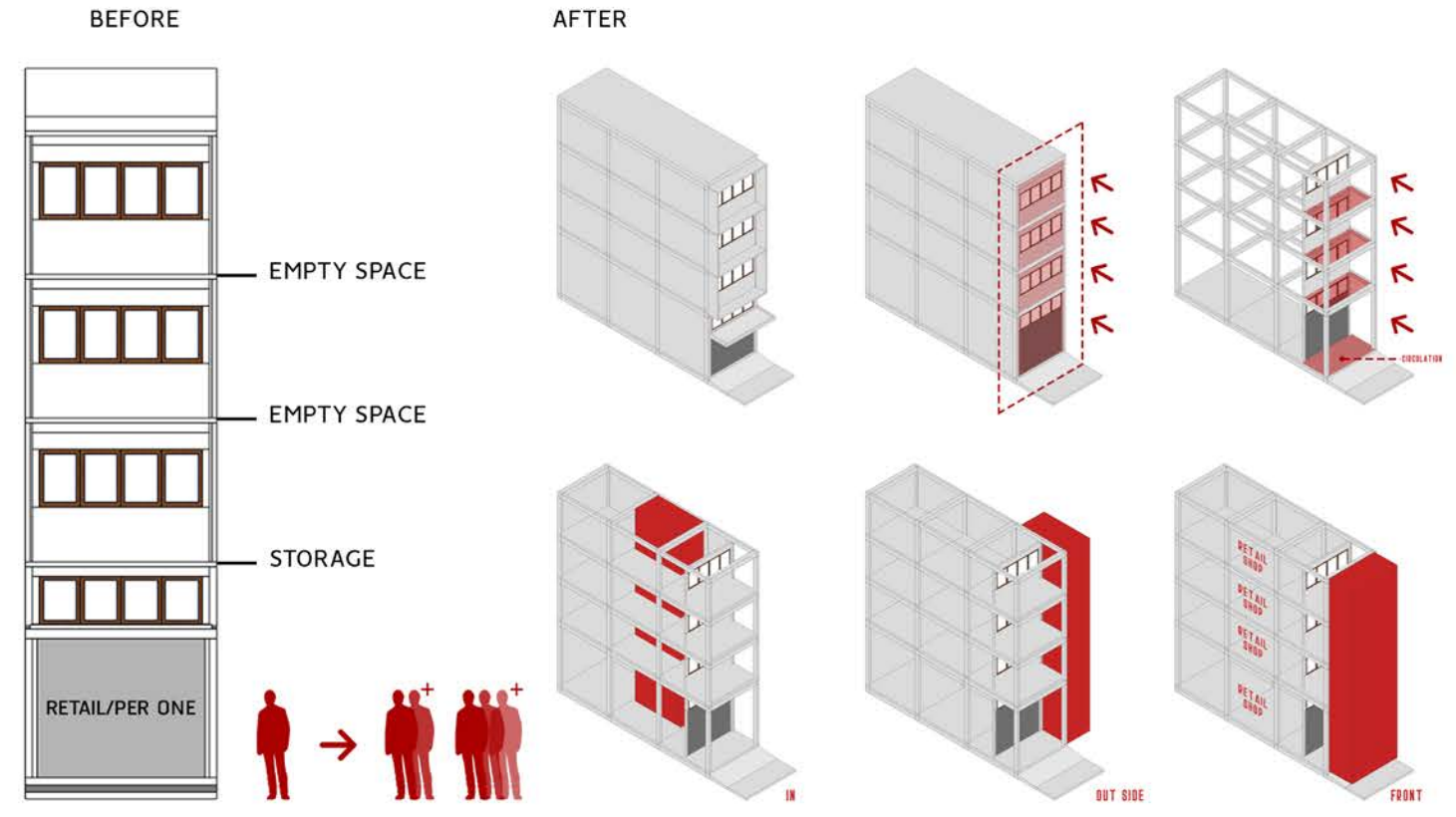


1 MACHINE / 20 CAR  
 2 MACHINE / 40 CAR  
 3 MACHINE / 60 CAR  
 WC = 2 SET  
 WC = 16, Sink = 6, Urinals = 4

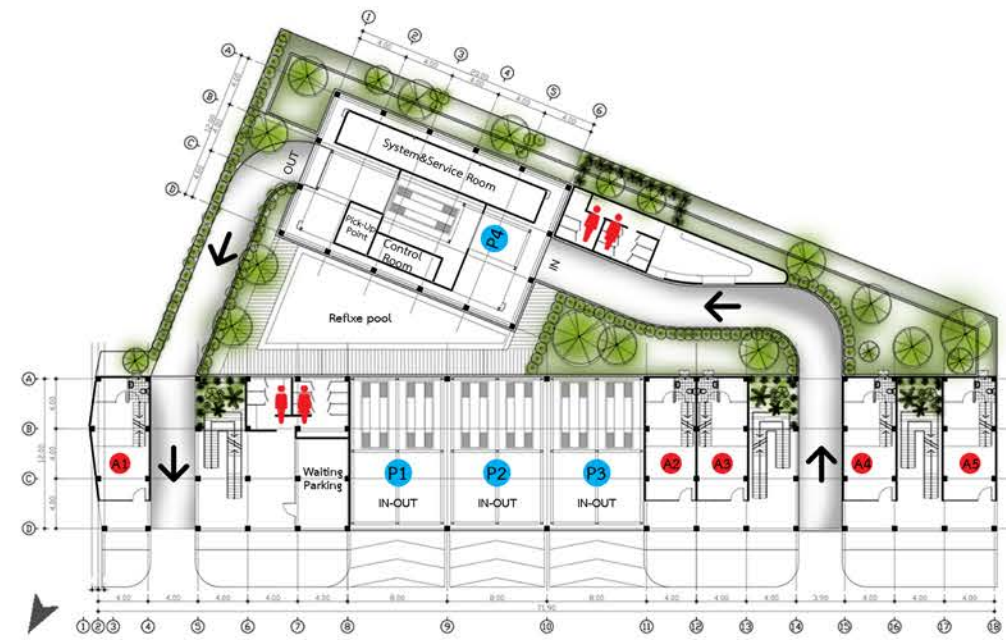
Elevation Machine



# DESIGN PROCESS | Retail Shop

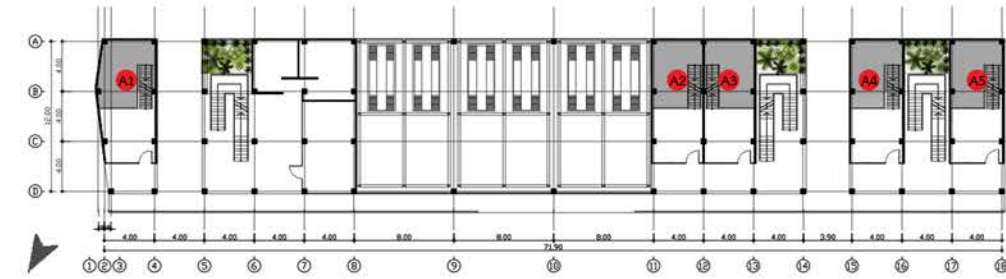




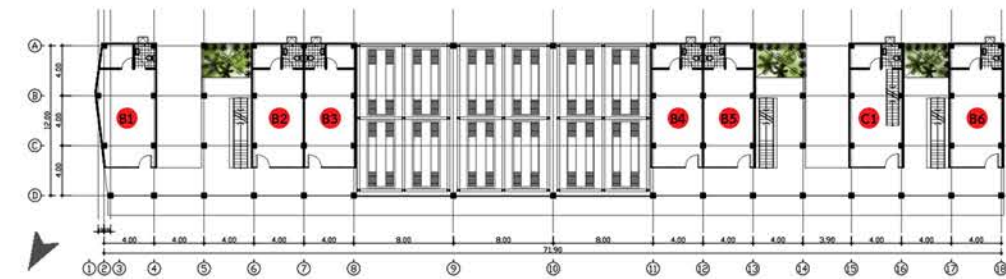


Parking B 180 SQ.M.  
 WC B 36 SQ.M.  
 Reflex pool 75 SQ.M.  
 Green 392 SQ.M.

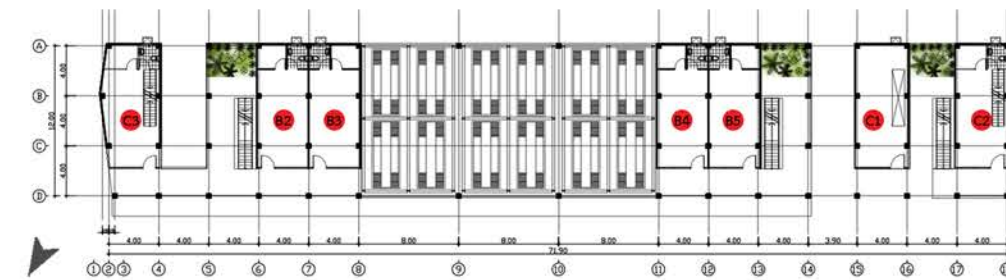
Parking A 262 SQ.M.  
 Retail Type A 296 SQ.M.  
 WC A 34 SQ.M.  
 Garden 48 SQ.M.  
 Waiting Area 30 SQ.M.



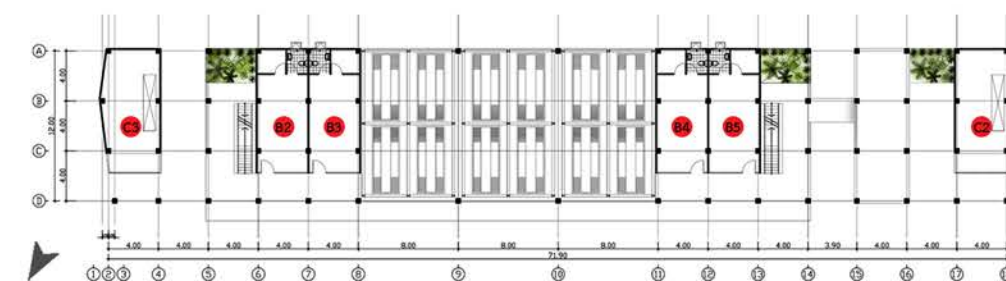
Floor Plan L1A  
 Retail Type A 296 SQ.M.



Floor Plan L2  
 Retail Type B 300 SQ.M.  
 B1 43 SQ.M  
 B2-B6 40 SQ.M.  
 C1 77 SQ.M.  
 WC 3 SQ.M.  
 Storage 5 SQ.M.



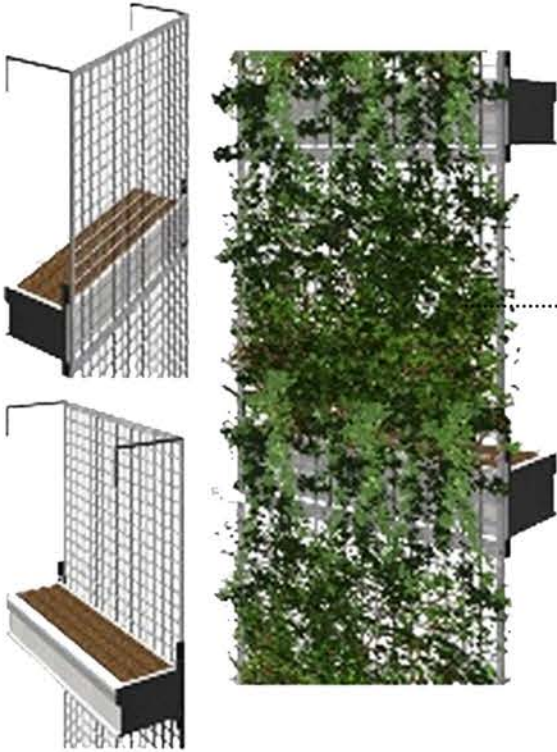
Floor Plan L3  
 Retail Type B-C 300 SQ.M.  
 B2-B5 40 SQ.M.  
 C1 77 SQ.M.  
 C2 82 SQ.M.  
 WC 3 SQ.M.  
 Storage 5 SQ.M.



Floor Plan L4  
 Retail Type B-C 300 SQ.M.  
 B2-B5 40 SQ.M.  
 WC 3 SQ.M.  
 Storage 5 SQ.M.  
 Garden 48 SQ.M.



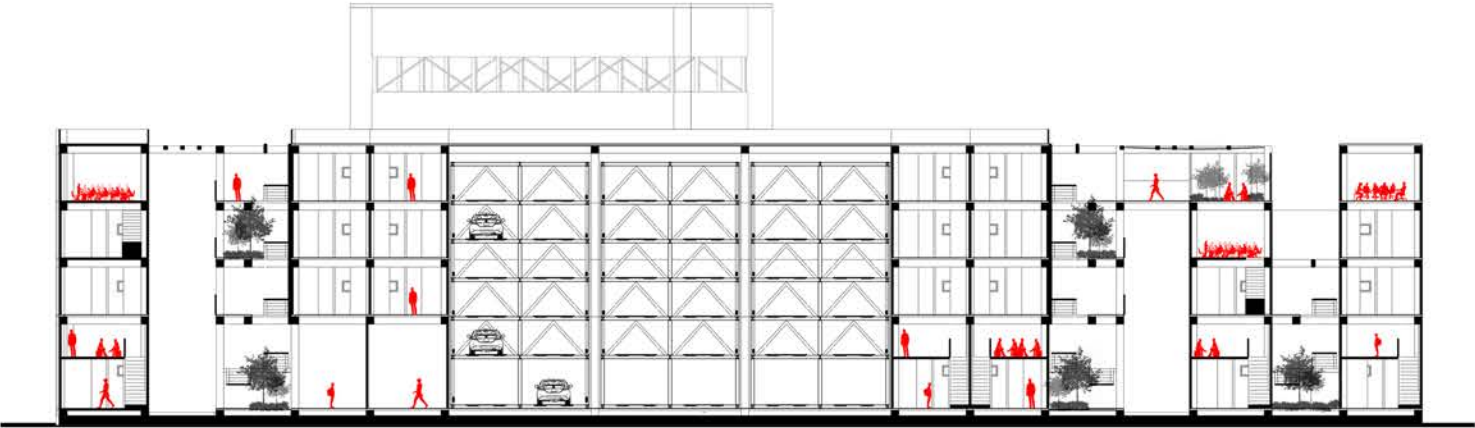
DETAIL | Green Wall



Creeping Fig

Important to grow is that it takes at least 3-5 years to fill the area. The velocraptor should be planted to the wall or what we would like the wiggle.

SECTION A

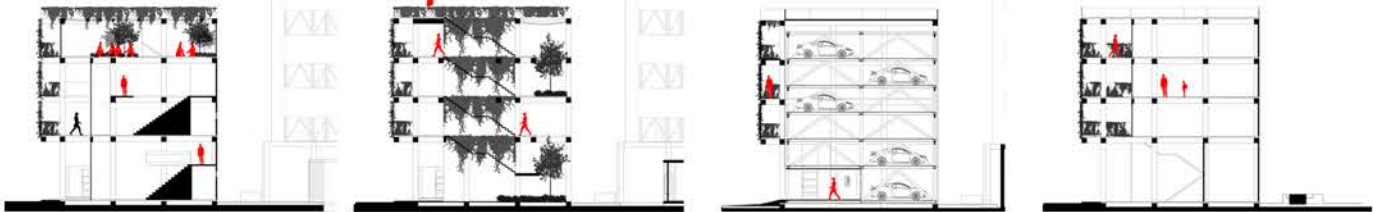


SECTION B

SECTION C

SECTION D

SECTION E







## 5 H.i.T INNOVATION CENTER

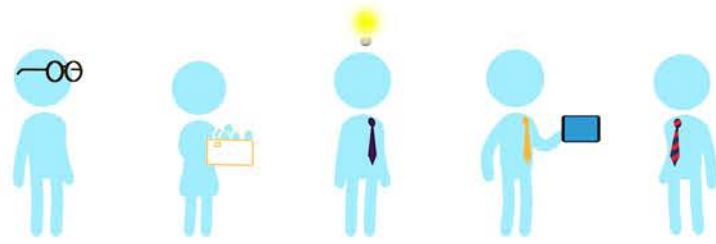
*Nonthaburi, Thailand*

Hit Innovation Center is a space for people working in IT, and anyone with an interest in innovation. People have the idea and the practice actually works. And can showcase various works to the public It is an area for new innovations. Develop innovation and It is an area for people to exhibit their work until it becomes a business of exchanging things.



# H.i.T Innovation Center

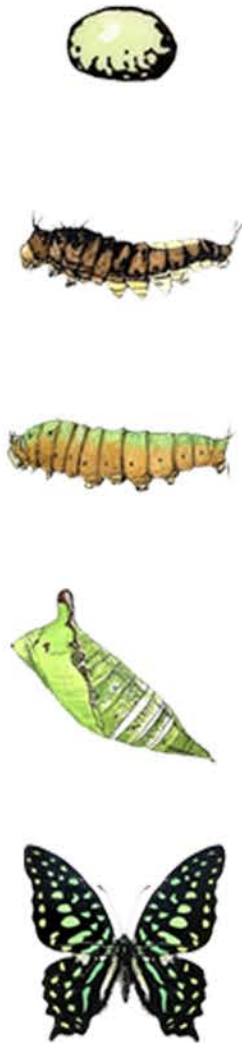
The design idea was to design all areas to be experimental. By applying the concept of green building in the design to create an environment in the area and inside the building. Inside there will be a function to support Workshop Library Exhibition Hall Meeting Room Creative Thinking Experimental Area.



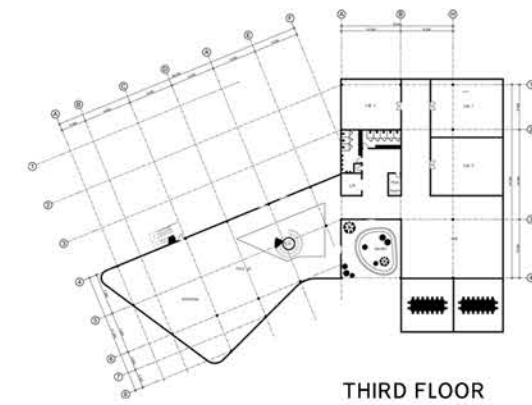
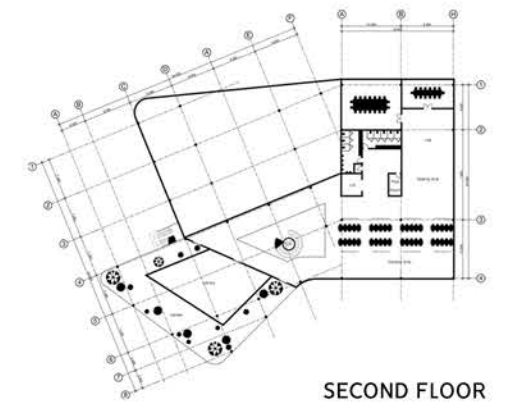
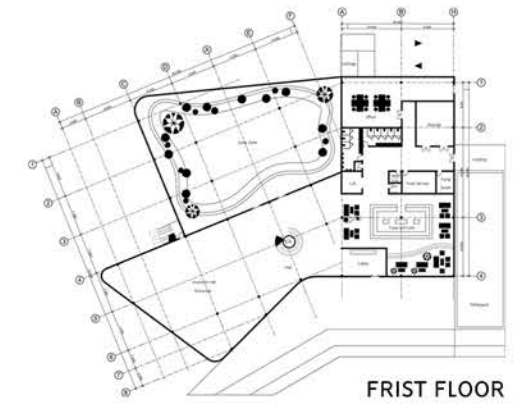
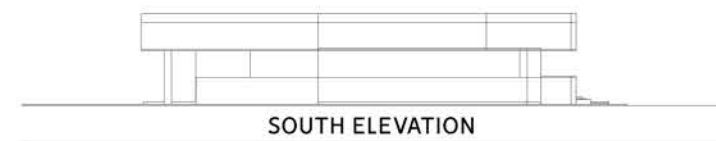
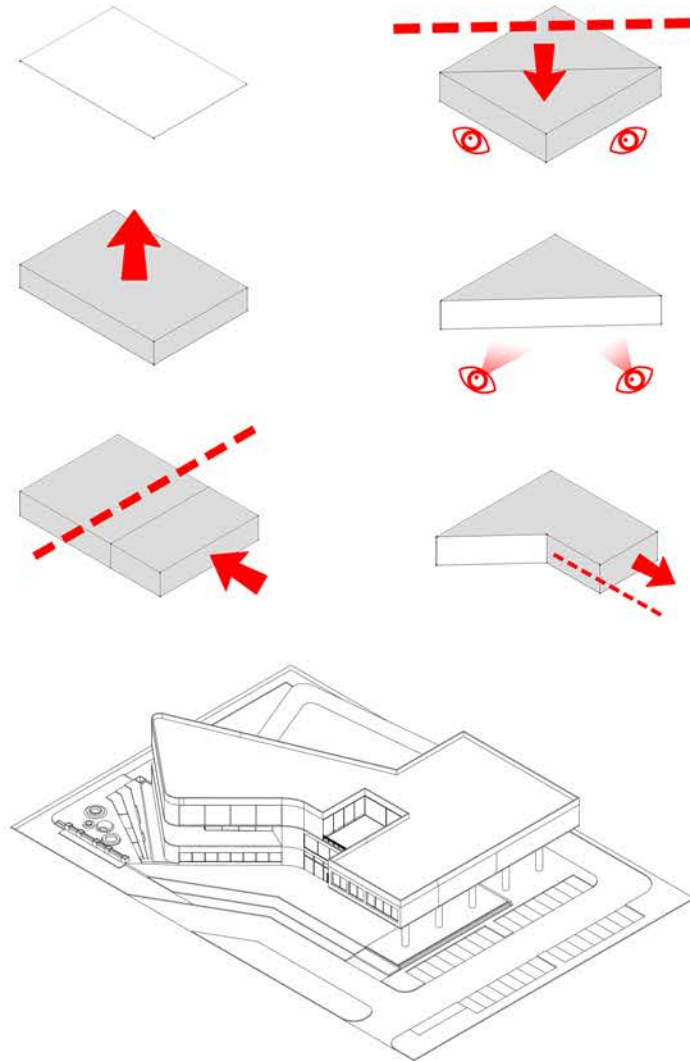
## USER



## INSIPARATION



## DESIGN PROCESS





• DESIGN

• 3D VISUALIZATION



# DESIGN + 3D VISUALIZATION

Project : Tiwanon House  
Location : Tiwanon 25/31 Nonthaburi, Thailand





