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## ***Intro***

*Nice to meet you. My name is Phatraphong.K (Max).  
I'm an Architect currently based in Bangkok*

*I've been working as an Architect in renowned  
architectural firm for a while now and I'm now ready for a  
change. I'm looking to join the team of creatives which would  
give me the chance to fully utilise my skills to learn and grow.*

*So here's a little package that gives you a sense of who  
I am and the type of works in all time practice.*



## I\_ **personal details**

**name :**

Mr. Phatraphong Kumthongmak

**name (Thai) :**

นายภัทรพงษ์ คุ้มทองมาก

**nickname :** Max

**dob :** May 23, 1994

**a :** 416 Sukhumvit79  
Bangkok THAILAND

**t :** +66 90 416 4443

**m :** mail2mxk@gmail.com

## II\_ **experience**

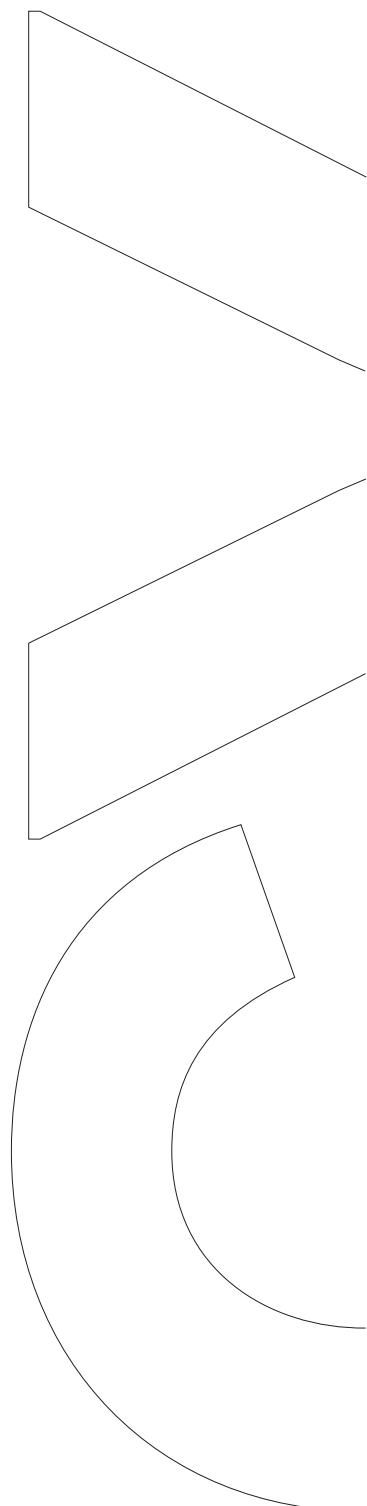
**2019 - Present**

Team Leader Architect at CC  
Creative Crews Ltd, Bangkok  
2018

Architect at CC  
Creative Crews Ltd, Bangkok

2016

Architecture Internship at A49  
Architect 49 Limited, Bangkok (8 Weeks)



### **III\_ academic education**

2012 - 2017 :

**Bachelor of Architecture**

**1st class honor**

School of Architecture

Bangkok University

2006 - 2011 :

High school at

The Demonstration School of

Ramkhamheang University

### **IV\_ academic award / showcase**

2015 : Volunteerism (SoA,BU)

2014 - 2016 : Best new designer (SoA,BU)

2013 - 2017 : Scholarship award (BU)

2013 : Best new junior designer (SoA,BU)

2012 : Winner sputnik architect project scholarship (BU)

2015: Winner + Popular vote Architectural Vertical Project 2015 (SoA, BU)

2014: Winner + Popular vote Architectural Vertical Project 2014 (SoA, BU)

2016 : Woodwork bench (at HomeFair'16)

2015 : Tree house model (BU booth at Architect'15 ASA : Next I Thainess)

### **v\_ language**

Thai : Native

English : Intermediate

### **vi\_ skills**

Adobe Illustrator

Adobe InDesign

Adobe Photoshop

AutoCAD

Lumion

Revit Architecture

SketchUp + 3D Rendering

MacOS Office

MS Office

Sketch

Physical Model

Woodwork



## **table of content**

**I\_ archetype flexible farming for future city**  
*thesis*

**II\_ mx sport complex**  
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**III\_ wildlife**  
*3th year design project / competitions (submitted)*

**IV\_ centrepont prr**  
*competitions (submitted)*

**v\_ the collection 16**  
*cc professional practice*

**vi\_ the canal**  
*cc professional practice*

**vii\_ pks 54 house**  
*cc professional practice*

**A 4 F C****ARCHETYPE FLEXIBLE FARMING FOR FUTURE CITY**

**Typology :** *Mix-used / Vertical farming*

**Location :** *Phraakanong District, Bangkok*

**Area :** *30,000 sqm*

**Project year :** *2017, Thesis*

**Introduction**

*This project was not created for today, but also looking to the future. In the age of problems such as, The population increased. Consequently, there is a shortage of consumption, especially in Bangkok, which can not produce its own consumption. And other cities in the same way, or the current problems in the green space, but they are still being pushed up from buildings that irrespective these issues. This makes it necessary to build this building. To answer the problem and model the city in the future.*



**Problem**

**Phase 1 PAST PLOBLEM**

Green Area Ploblem

Green area/person - **3 sqm./person**

(Average green area around the world is not less than 9.81 sqm./person)

The green area accounted for 21.66%

Total of 7,182 parks in Bangkok.

**Is the lowest average in Asia.**

**Phase 2 FUTURE PLOBLEM**

Green space problems to diminish in the future from various problems.

Like disaster The population increases.

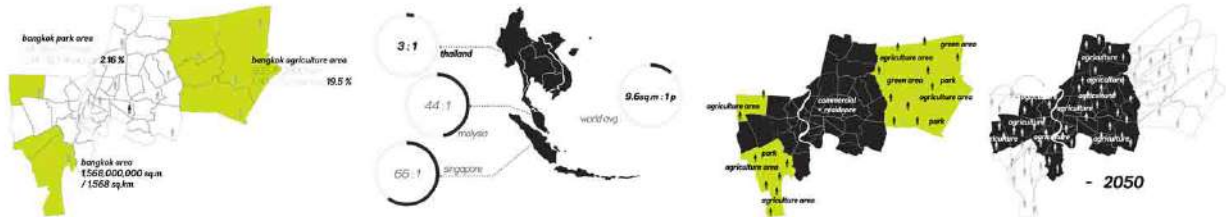
Cause more shortage. The food is more desirable.

And the available output is not enough.

Or situation in Bangkok

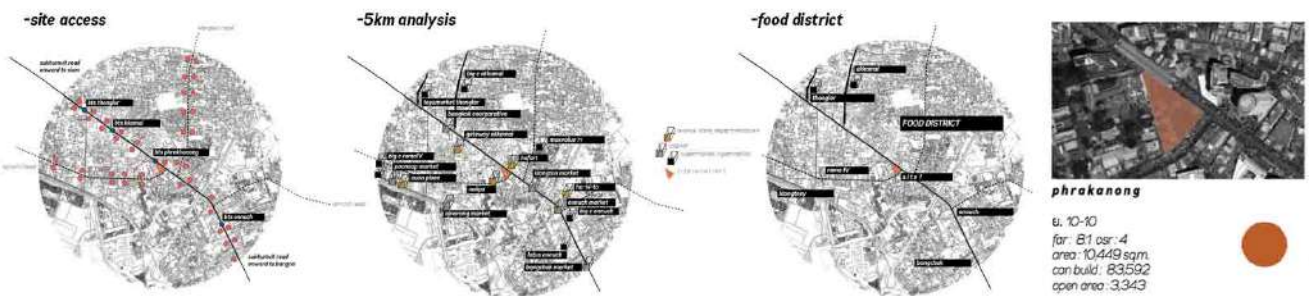
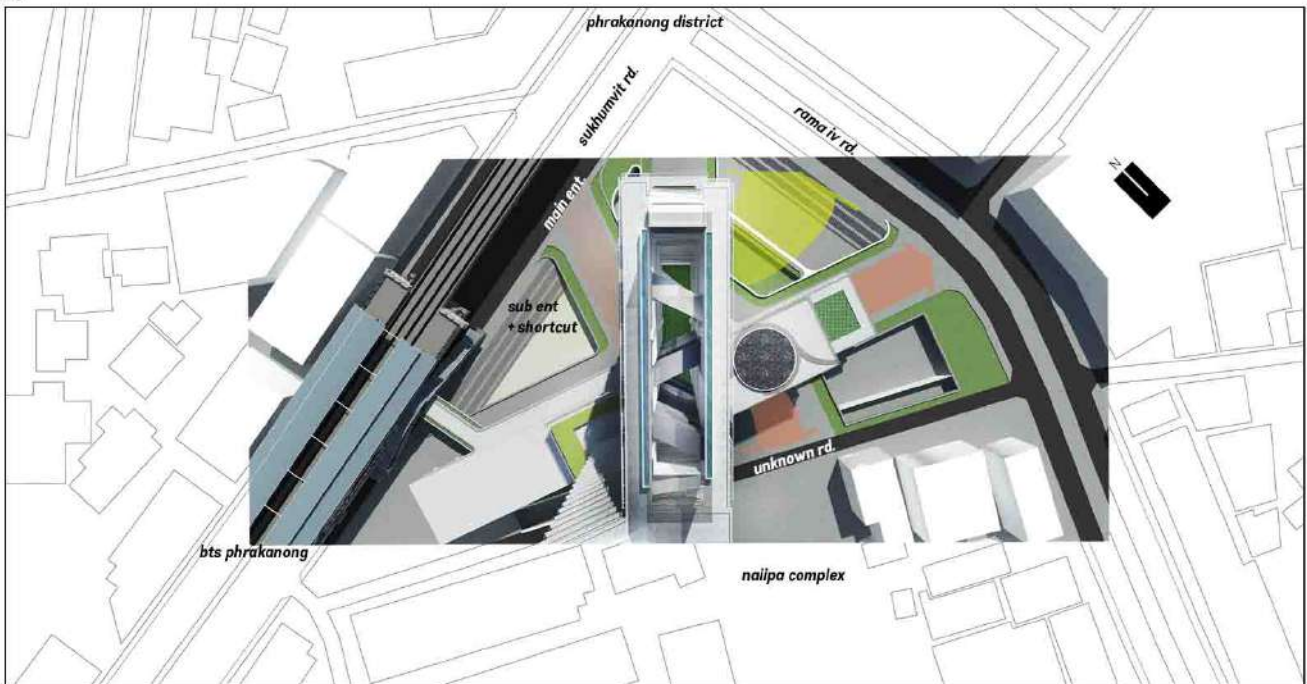
Fall into disasters This will make it impossible to import.

Output from other areas. It also has to produce by itself.



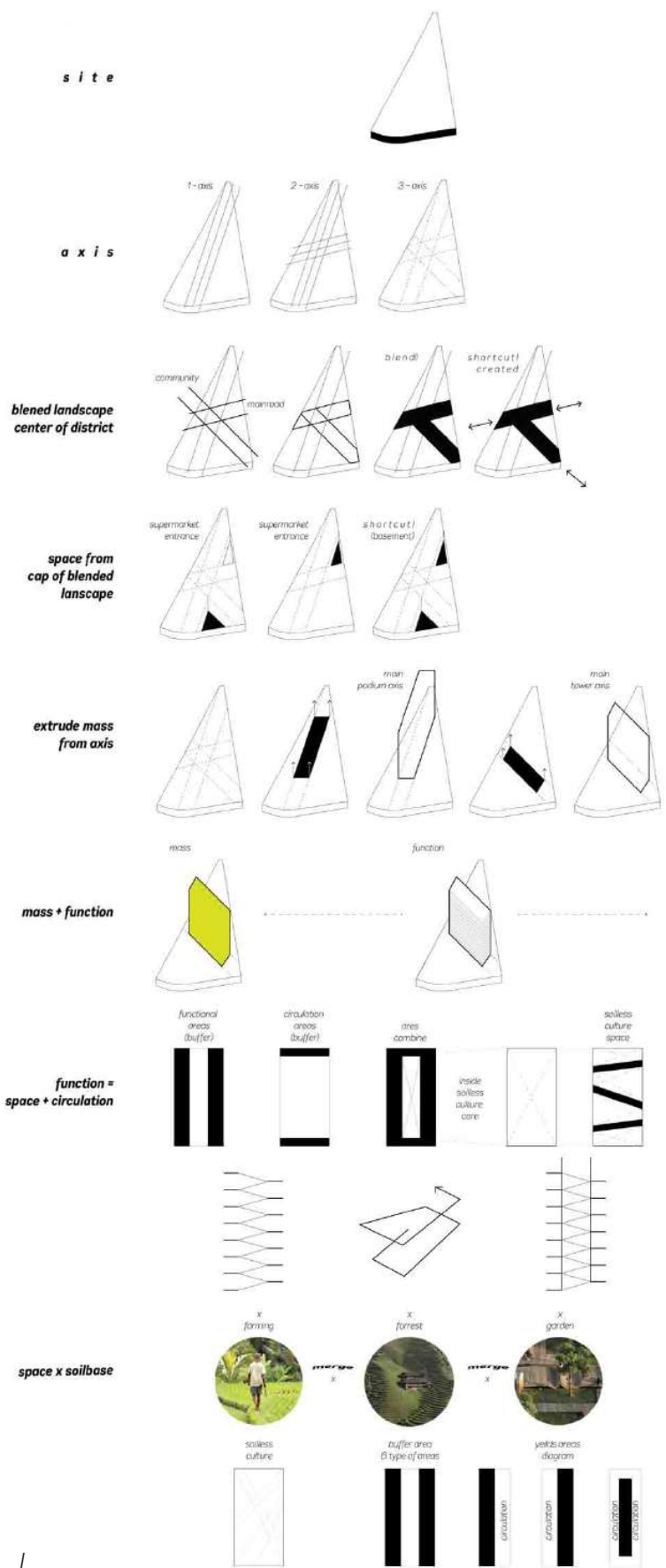
**SITE LOCATION**

**Phra Khanong District BKK, THAILAND (13°42'51.4"N 100°35'30.4"E)**: In the past, Phra Khanong was a farming district. Nowadays, it has evolved and is a growing area. Because of the distribution of growth in the cluster just in the city (Siam Silom Sathorn) spread out around it. This is the beginning of a new neighborhood in the future, with the government recognizing this district to be the Innovation District, thus making this area a viable option for the project. The project will restore the area of agricultural land by creating new space as a vertical agricultural area instead of traditional agriculture. In order to achieve maximum efficiency in the current land use and distribution in the future.



### Concept

The inclusion of Landscape in vertical axis. The landscape is not just a garden area to add a green space to a project. But it also includes a many of crops. In order to adequately accommodate consumption in the near future. This will solve the problem and develop the type of building in simultaneously - (present to future).

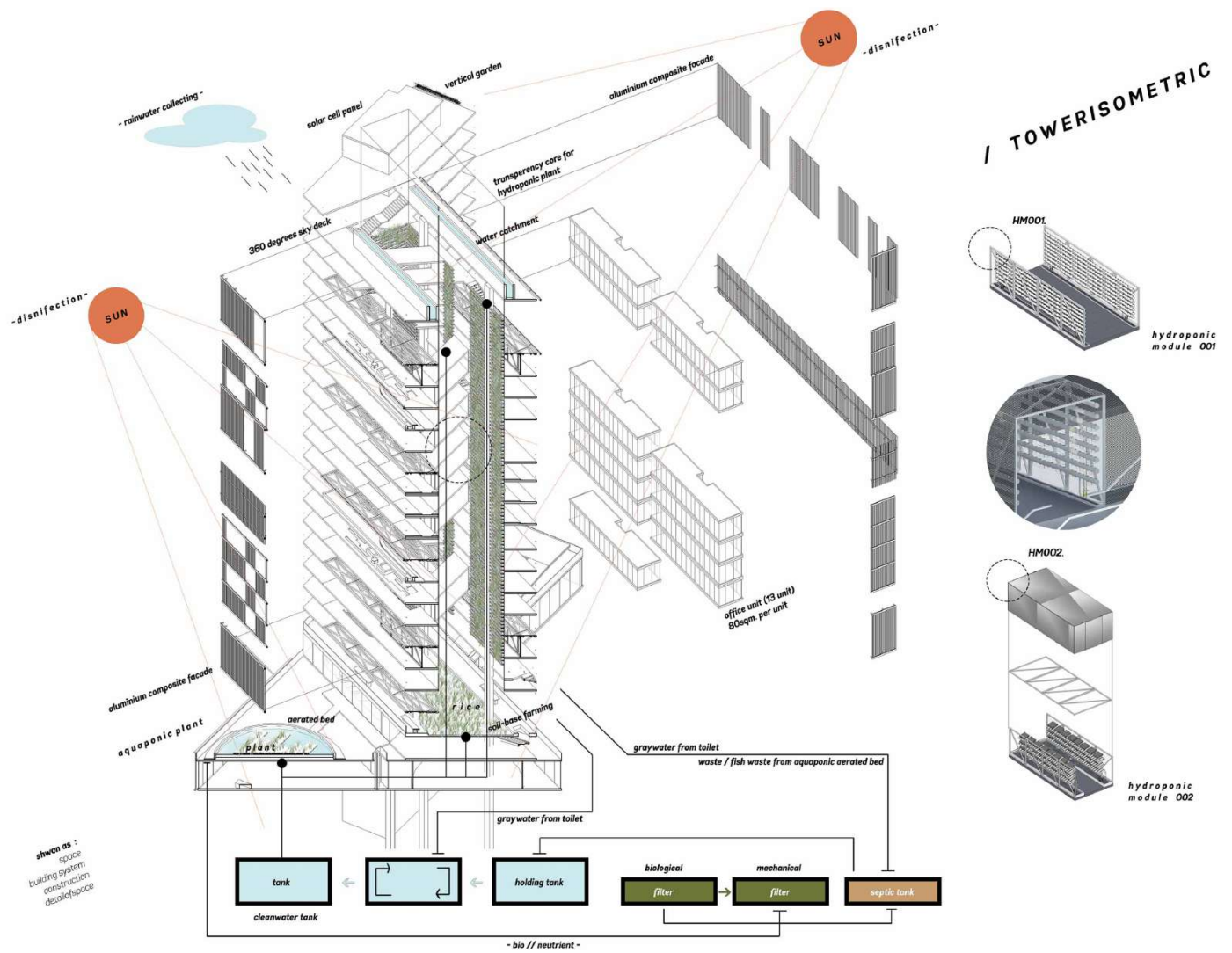




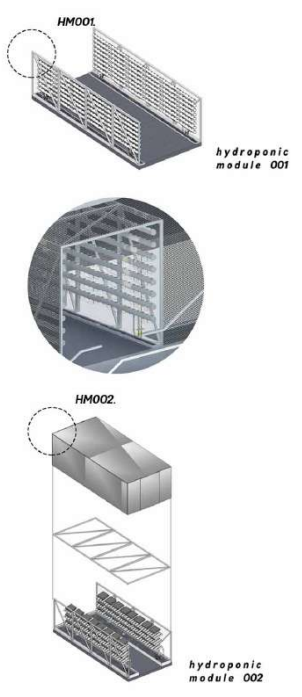
*By combining the two types of areas (gardening and plantation), a garden area was set up as a buffer zone with a circulation area to enclose the planted area with trees. The trees will allow natural light to reach the planted area and protect wind and pollution from the outside of the building for ineffective the vegetation and also creates more space in the enclosed area, which can vary from floor to floor such as the forest area, garden area, office and retail to give a different feeling from other buildings.*

*I\_ conceptual diagram*

*II\_ overall perspective*



# TOWER ISOMETRIC



- bio // nutrient -

I



II

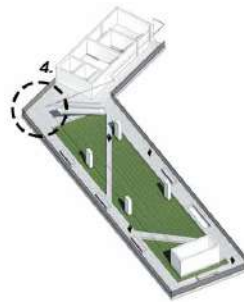


III

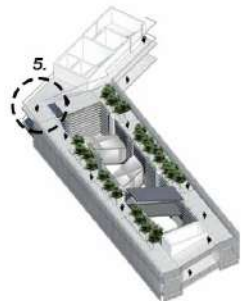


### Perspective \_ Diagram

soil-base farming space

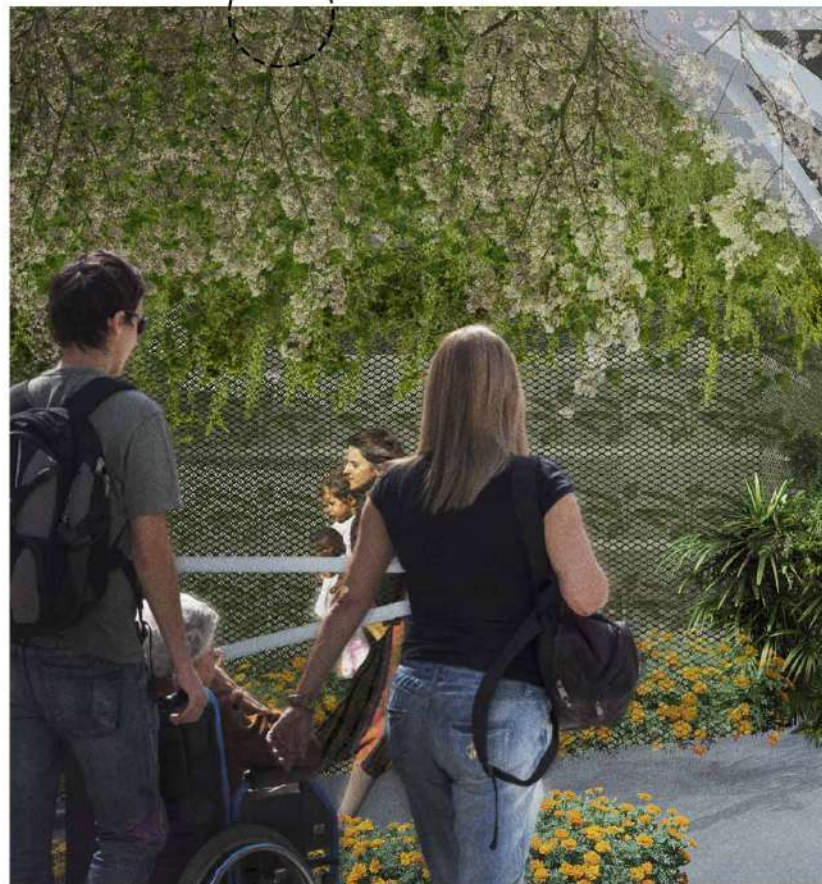


forest zone perspective



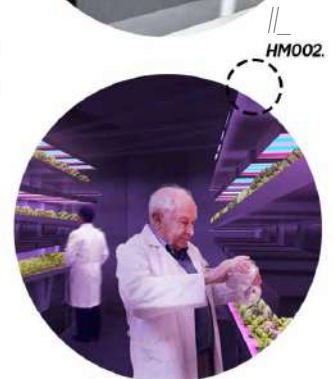
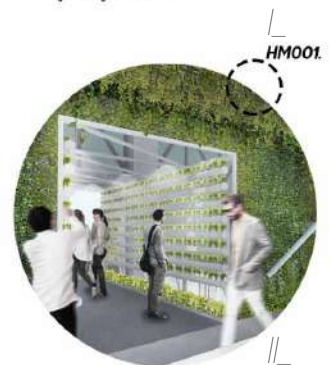
I\_ outdoor hydroponic module  
II\_ indoor hydroponic module  
for 24/7 productivity

The aim of this project is this building being a prototype of future building in smart city around the world for productivity a crop and spread to market, store, house or even slum in surrounding area (around 5km). Including a module of hydroponics will design to be parasite on old building and space that hard to reach or paste on blank space to create another form from module for the same target.





hydroponic module perspective



## **MX SPORT COMPLEX**

**Typology :** Sport Complex

**Location :** Ramkhamheang rd, Min-Buri, Bangkok

**Area :** 17,000 sqm

**Project year :** 2016, 4th year design project

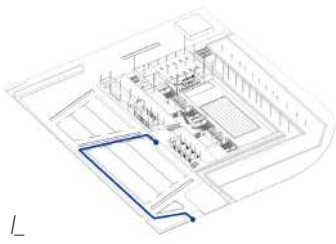
### **Introduction**

*Coordinate Space*

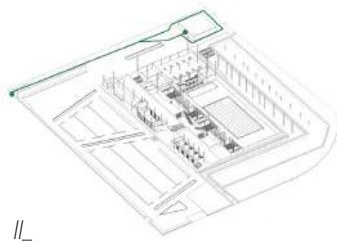
*Why are we playing sports then we can't look at other activities! Our concept is made to meet this point. We differentiate sports areas from before Adding features to the space of the sport. to see the perception of one area to another. Which we have started from the outside From people walking on the streets that can seeing activities from outside makes us know what our area is. And what activities Including the interior space that can be connected*

*Can all be created to create a COMMUNITY  
Within the sports center more easily.*

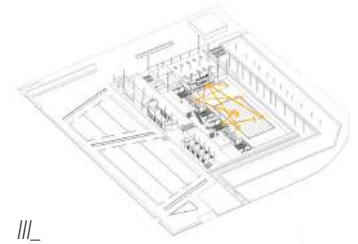




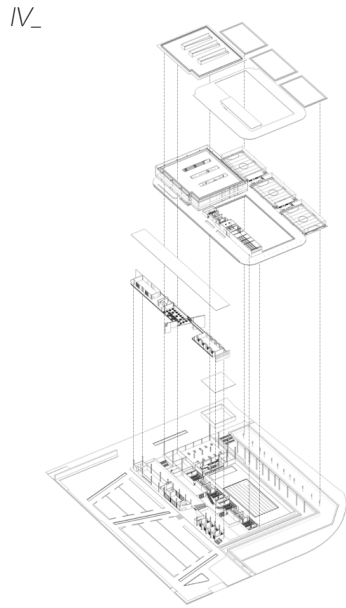
L



II\_

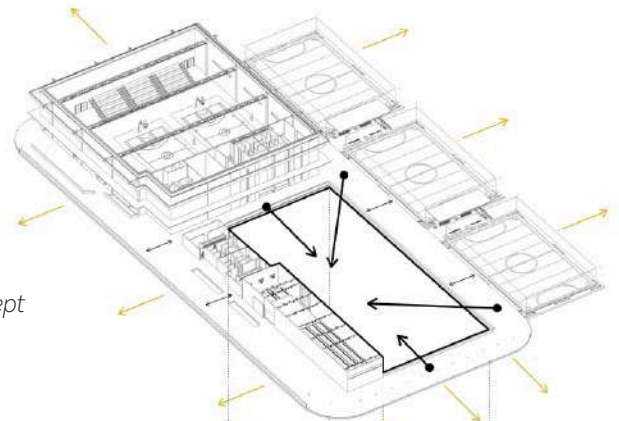


III\_

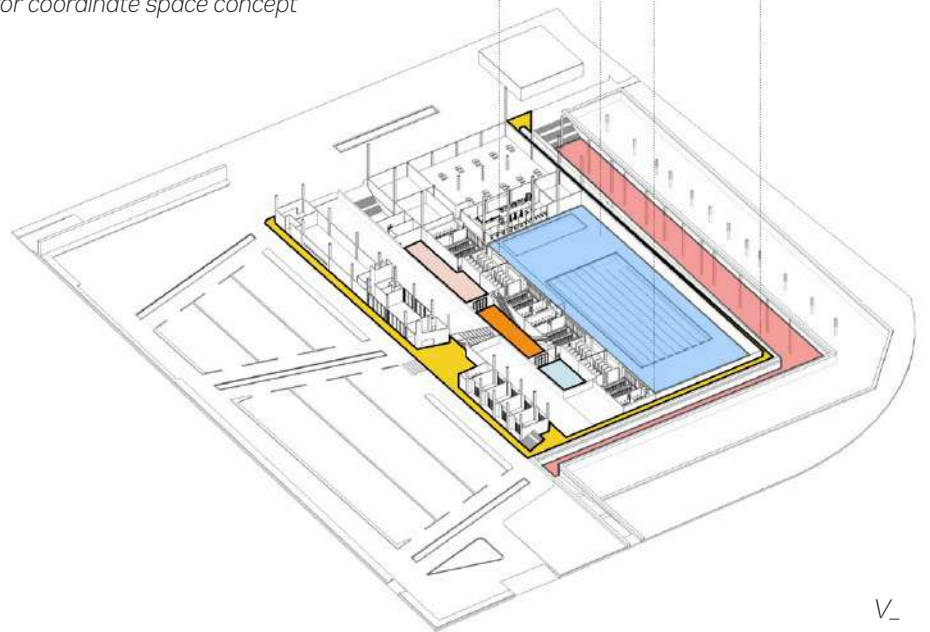


IV\_

viewpoint diagram  
from 2nd floor  
for coordinate space concept

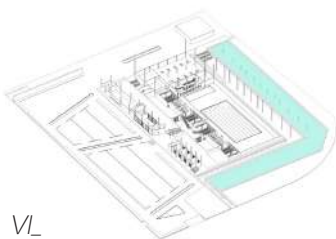


multi-level diagram  
for coordinate space concept

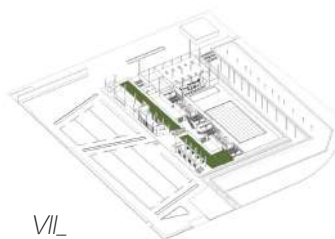


V\_

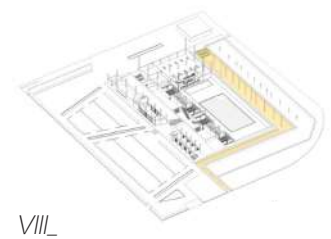
- L\_ main entrance
- II\_ service route
- III\_ viewpoint from other activities
- IV\_ overall isometric drawings
- V\_ conceptual diagram
- VI\_ reflecting pool
- VII\_ garden
- VIII\_ pedestrians fitness and street sports



VI\_



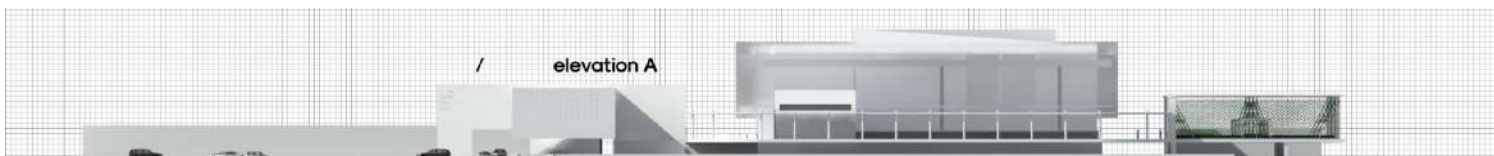
VII\_

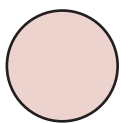
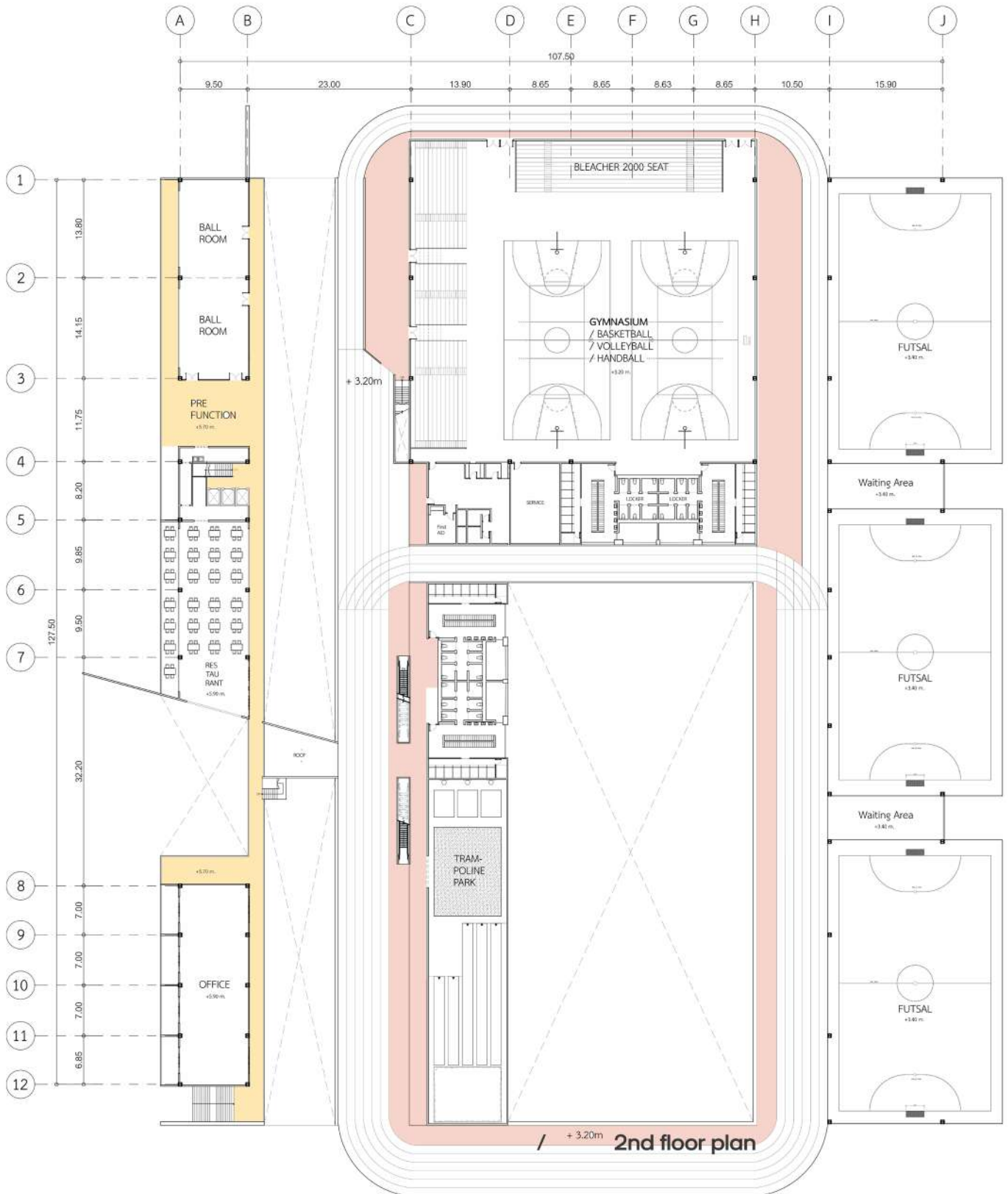


VIII\_



/ 1st floor plan





IV\_ordinary zone



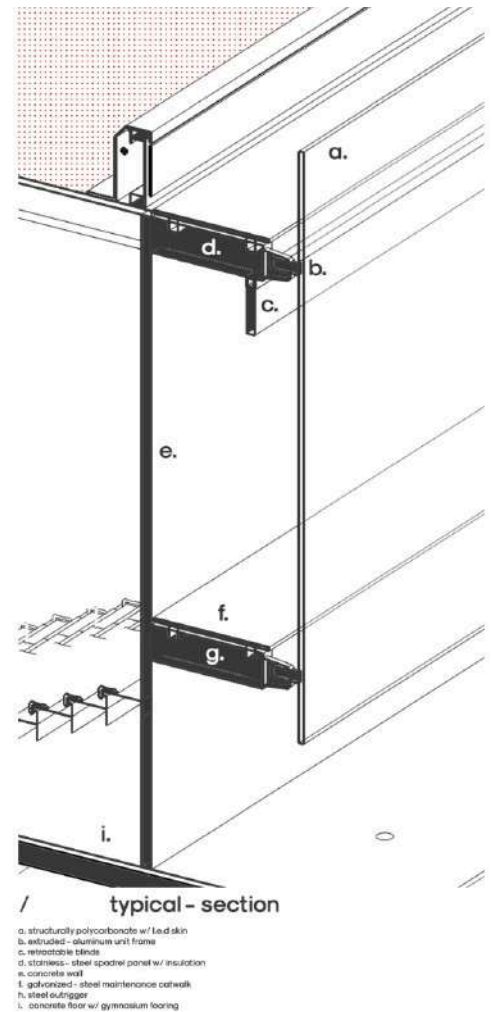




I\_ entrance perspective  
 II\_ overall perspective

III\_ trampoline park interior perspective  
 IV\_ swimming pool x  
 upper level running track perspective

V\_ typical section diagram



## **WILDLIFE**

**Typology :** Urban Design, Community

**Location :** Bangkok

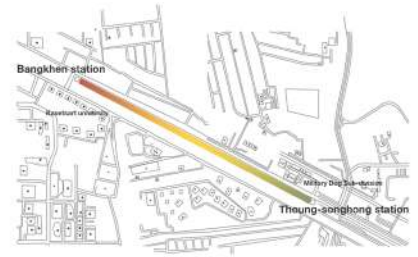
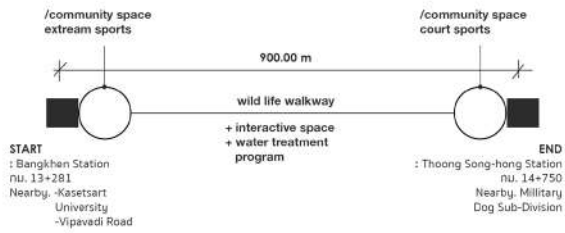
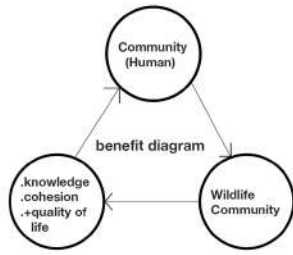
**Area :** 1 km Unproductive Hopewell

**Project year :** 2015, 3rd year design project x competitions (submitted)

### **Introduction**

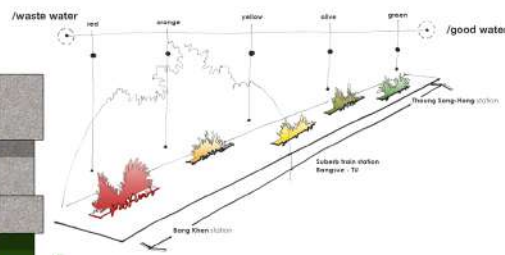
*Because in the near future will have a red line on the site. We think that will take space from the area to be developed for benefit to the surrounding community, also known as TOD (Transit Oriented Development), we thought to create a place that promotes the development of areas along the railway in front of community (Gap between the new red-line train pillar) for a safer walkway along the desolate road and for assembly or meeting people from both inside and outside the community is easier. Enhancing the outdoor activities by semi-outdoor space for all including pets and naturally animals. To live together with the plants and water are important for life, which is essential to the life of the organism to communicate about awareness of the coexistence of creatures including the conserve of water, which transmits them to the wastewater through natural solution to get to see each other. To be role models for other communities. That's bring about to foundation of sustainable life.*

\_conceptual diagram



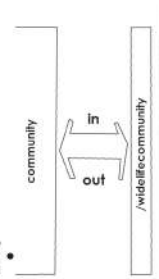
/walkway and activities zone diagram

/SITE ANALYSIS

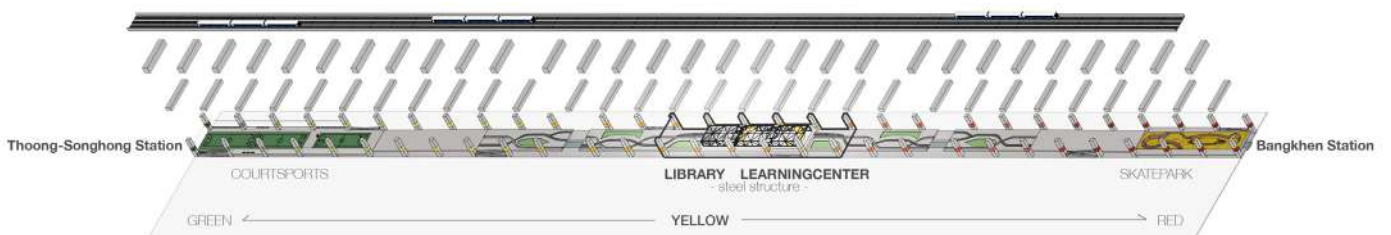
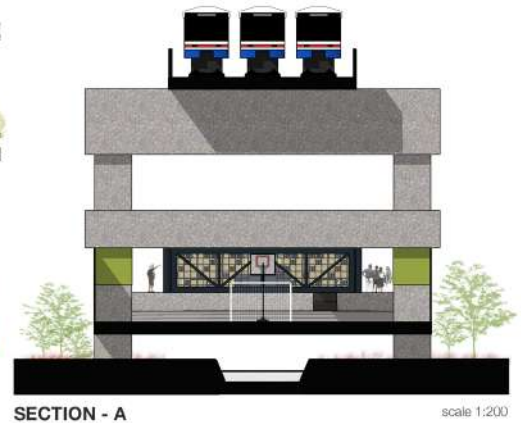
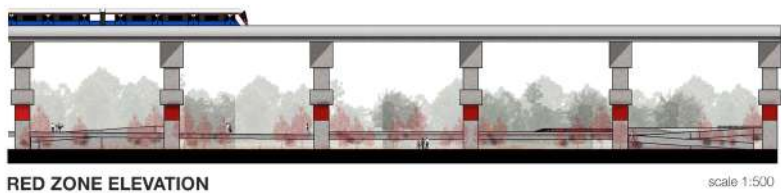
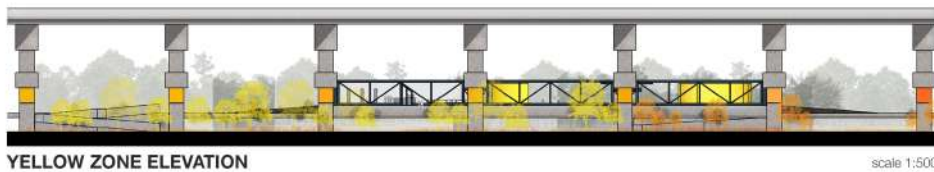


/zoning diagram colour by water treatment program

/community & widelifecommunity linkage + connection



/Site At  
Suberb train station  
Bangsue -  
Thamasat University  
**PERIOD**  
Kasetsart Station -  
Thoung Song-Hong  
Station



I\_ wildlife pedestrains walkway perspec-  
tive



green as clean water zone

III\_ water treatment learning center



II\_ court sport zone perspective



IV\_ library perspective



V\_ skatepark perspective



red as grey water zone



VL\_ red zone walkway perspective

# CENTREPOINT

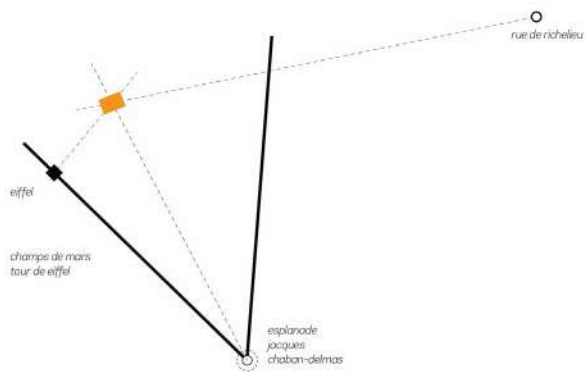
**Typology :** Restaurant

**Location :** San River, Paris, FRANCE

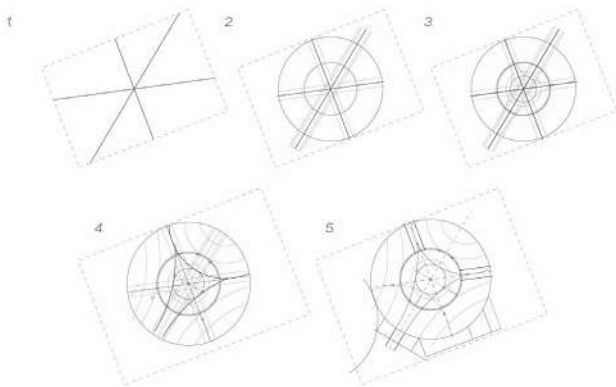
**Area :** 495 sqm

**Project year :** 2017, Competitions (Submitted)

I\_ conceptual diagram

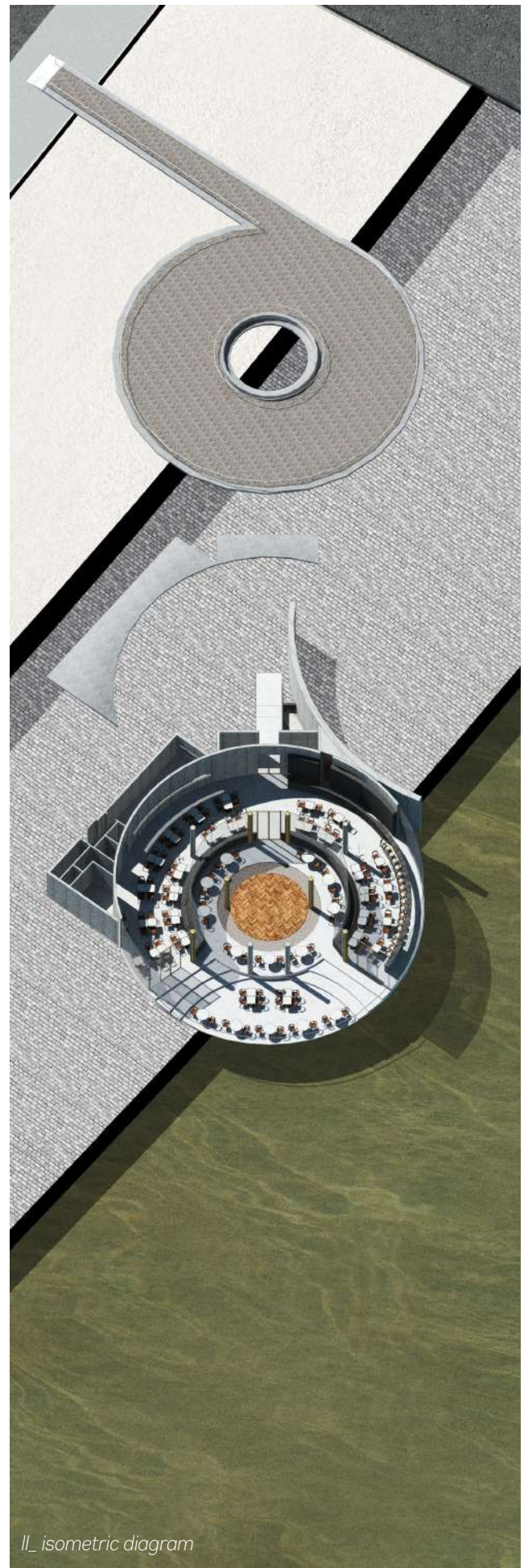
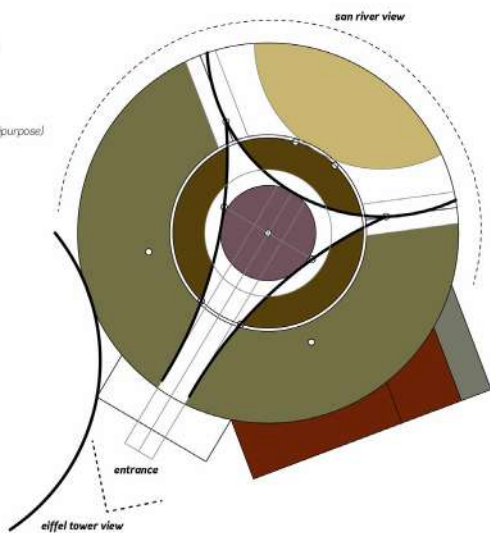


axis development for viewpoint+function



function

- waterfront
- indoor
- outdoor
- centre (multipurpose)
- wc zone
- service

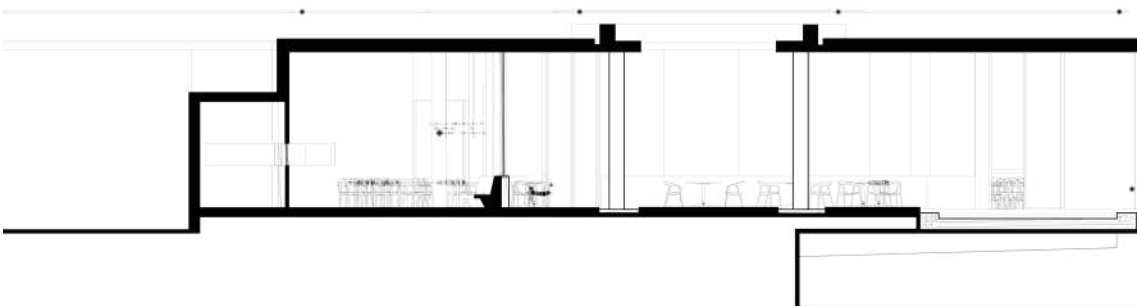


II\_ isometric diagram



III\_ san river perspective

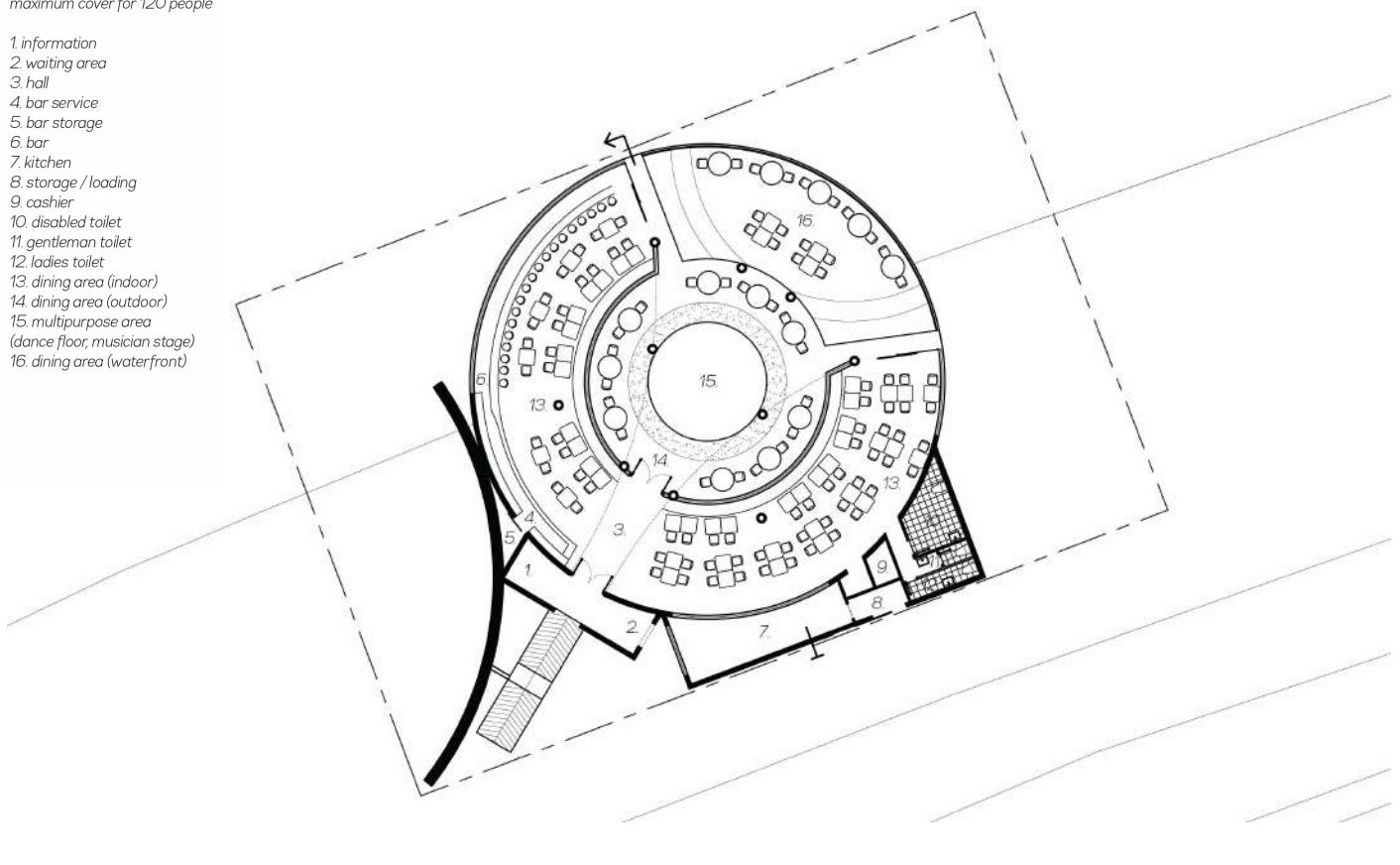
IV\_ section a-a



V\_ master plan

gross floor area : 495 sqm.  
maximum cover for 120 people

- 1. information
- 2. waiting area
- 3. hall
- 4. bar service
- 5. bar storage
- 6. bar
- 7. kitchen
- 8. storage / loading
- 9. cashier
- 10. disabled toilet
- 11. gentleman toilet
- 12. ladies toilet
- 13. dining area (indoor)
- 14. dining area (outdoor)
- 15. multipurpose area (dance floor, musician stage)
- 16. dining area (waterfront)



## **THE COLLECTION 16**

**Typology :** *Housing / Hospitality / Mixed use / Retail*

**Location :** *Soi Sukhumvit 16, Bangkok, THAILAND*

**Area :** *37,700 sqm*

**Project year :** *2017 - Present*

**Team :** *CC Team*

**Scope of Work :** *Main Building*  
*- EIA Drawing*  
*- Design Development*

*Sales Gallery*  
*- Schematic Design*  
*- BMA Drawing*

### **Introduction**

*The Collection 16 is a mixed development property comprising of two buildings; the seven-storey hotel building to the front, and the 150 meters high rise residential building to the back. A retail passage passes through the hotel on the ground floor and connects pedestrians to the residential tower behind.*

*The project is adjacent to the Ratchadapisek road with a prime view overlooking the large lake of Benchakiti Park. Fully glaze façade is selected for the project to allow full height windows, thus maximise views out to the lake and city. To maximise saleable area, the building envelope is pushed out to the fullest extent allowed by the site. Which meant that there is no depth for brise soleil. So instead depth and solar shading is achieved through varying the room depth which is dictated by the desire to accommodate multiple preferences, incorporating choices of balcony and full lengths unit.*



*L overall perspective*

## **THE CANAL**

**Typology :** Hotel (72 units) / Renovation

**Location :** Soi Sukhumvit 13, Bangkok, THAILAND

**Area :** 7,500 sqm

**Project year :** 2018

**Team :** CC Team

**Scope of Work : Project Architect**

- Schematic Design (Architecture + Interior)
- Design Development (Architecture + Interior)
- BMA Drawing + Submission

### **Introduction**

*We believe that a city is in a never ending process of development. Construction sites are the constancy of an urban fabric. However, it is not always necessary to erase the old and replaces it by building new. 'Live with what we have' is a rather more environmentally friendly, sustainable and historically sensitive approach.*

*Using the existing structure and floor plate is not without its challenges however. Narrow external windows and deep units are not desirable when compared to today's apartment development standard. It was a major challenge to allocate higher amount of units whilst ensuring everyone enjoys the limited façade area. Our solution was to turn away from convention, and orientate each unit's balcony towards the inside of the building. This freed up precious external surface area, thus allowing the residents access to more natural light as well as providing the entire project with cross ventilation. Each unit is designed as if they are a single detached house with open space around them. Trees are also planted along the perimeter of the floor plates on alternate floors to further enhance the residents' living experience.*



I\_ perspective from klong-saen-sab

II\_ ground floor lobby entrance  
the thai landmark along river combined with  
glitering and artworks with thai roots

III\_ main entrance



II\_

III\_



**river and canal life  
celebrating the thainess**

*L\_ reception area perspective*

*II\_ swimming pool perspective*



*II\_*





III\_

III, IV\_ night and day restaurant perspective

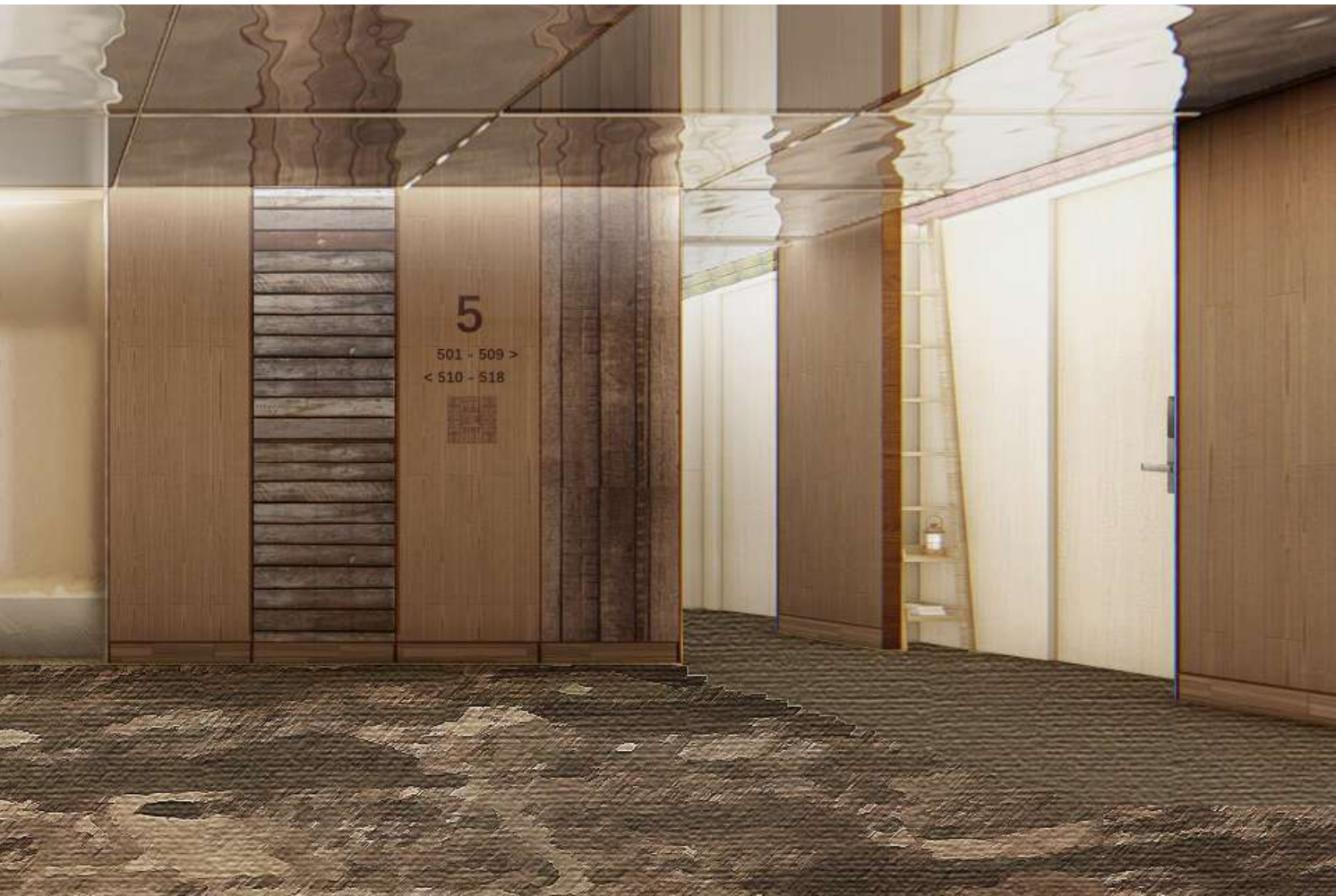


IV\_



L\_ entering from canal  
feel likes going up into the terrace and seeking for the water surface below





*II\_ unit 1 scheme*

*lacquer craft and reflection of  
water in thai culture*

*III\_ unit 2 scheme*

*folk craft work + canal life*

## **PKS 54 HOUSE**

**Typology :** House

**Location :** Soi Phetkasem 54, Bangkok, THAILAND

**Area :** 700 sqm

**Project year :** 2019 - Present

**Team :** CC Team

**Scope of Work : Project Architect**

- Schematic Design (Architecture + Interior)
- Design Development (Architecture + Interior)
- BMA Drawing + Submission
- Tender

### **Introduction**

-



L\_ overall perspective    II\_ outdoor shower  
III\_ master bedroom    IV\_ living room



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**THANK YOU FOR YOUR  
ATTENTION**

**IF YOU ENJOYED MY WORKS  
AND WOULD LIKE TO HAVE A CHAT**

**PLEASE FEEL FREE  
TO CONTACT ME**

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(+66)904164443*

*instagram:  
@mxmax*

