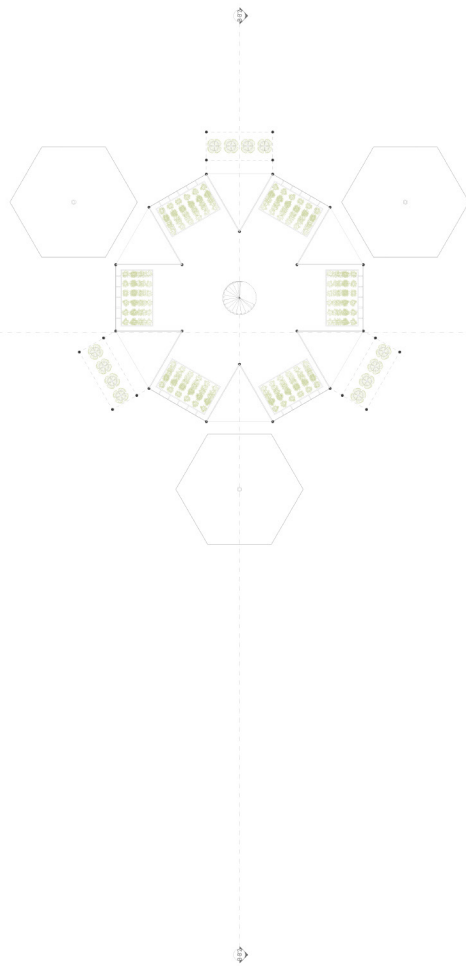


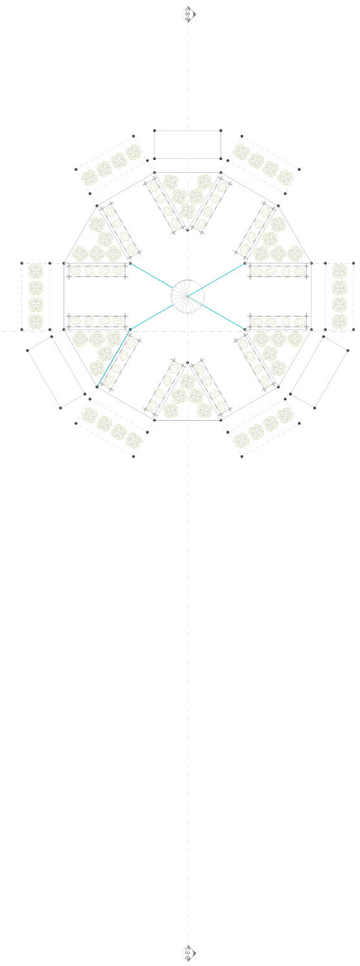
Second Floor Plan
Building 2: Part 2

First Floor Plan

Building 2: Part 2



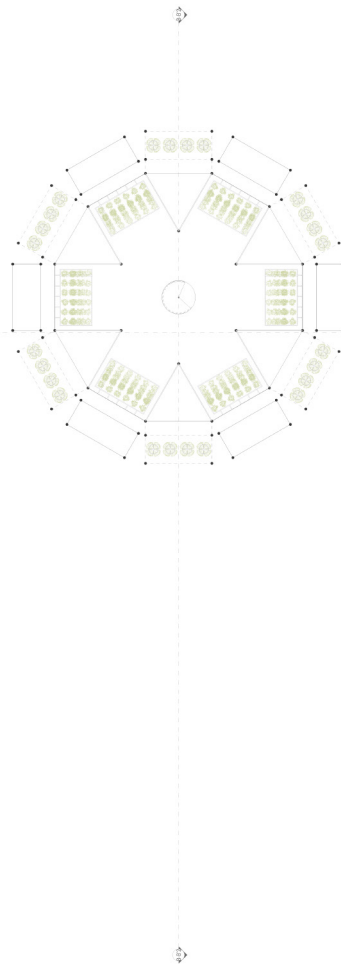
Second Floor Plan
Building 2: Part 1



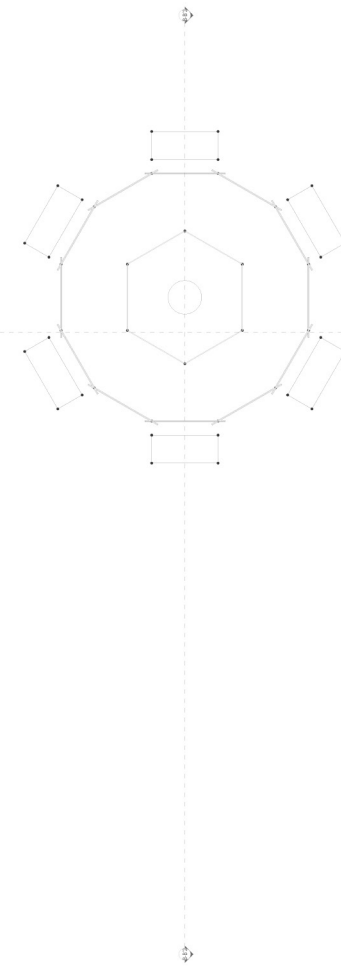
Third Floor Plan
Building 2: Part 1

Second & Third Floor Plan

Building 2: Part 1



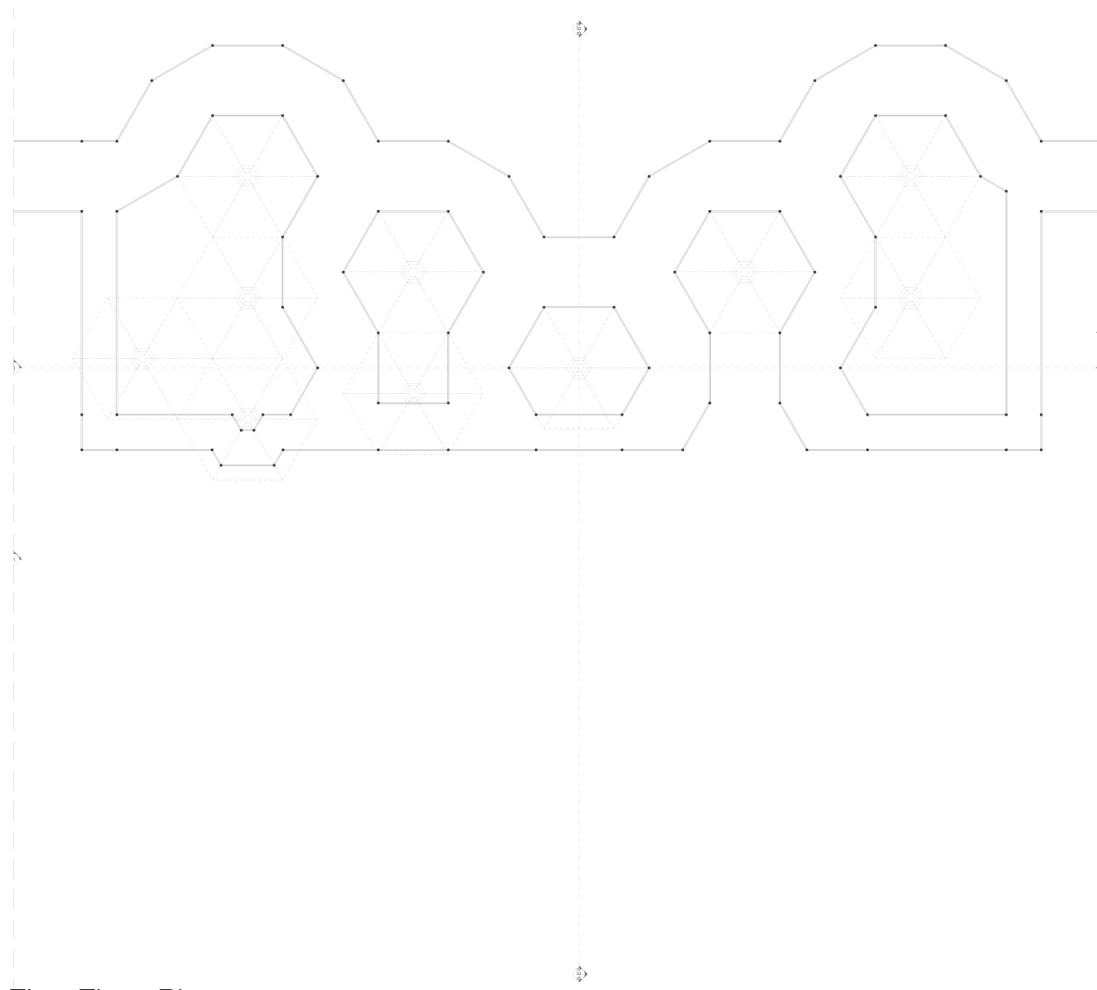
Fourth Floor Plan
Building 2: Part 1



Fifth Floor Plan
Building 2: Part 1

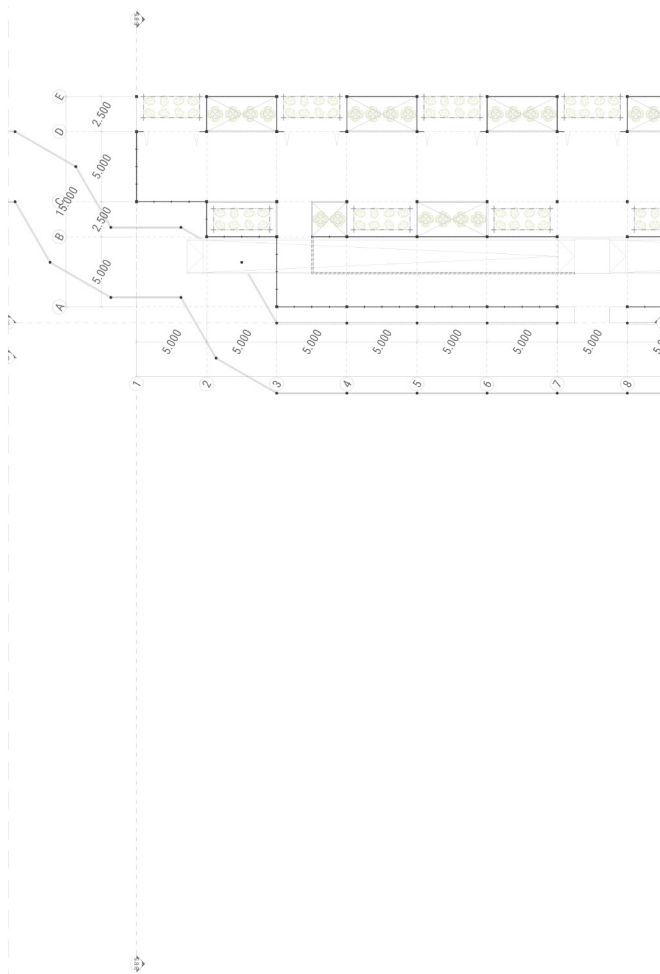
Fourth & Fifth Floor Plan

Building 2: Part 1

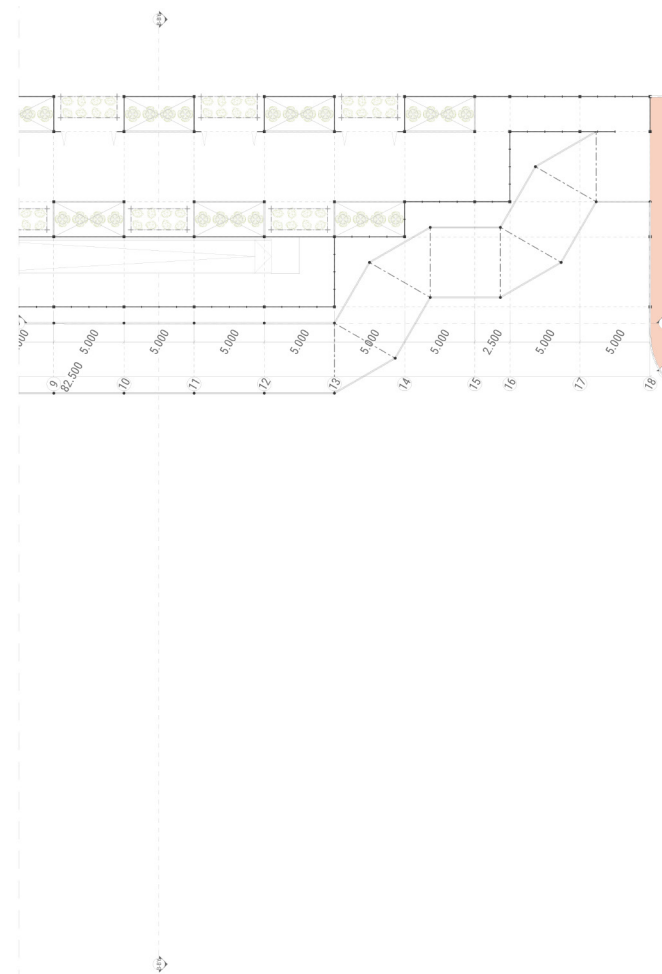


First Floor Plan
Building 3

First Floor Plan Building 3

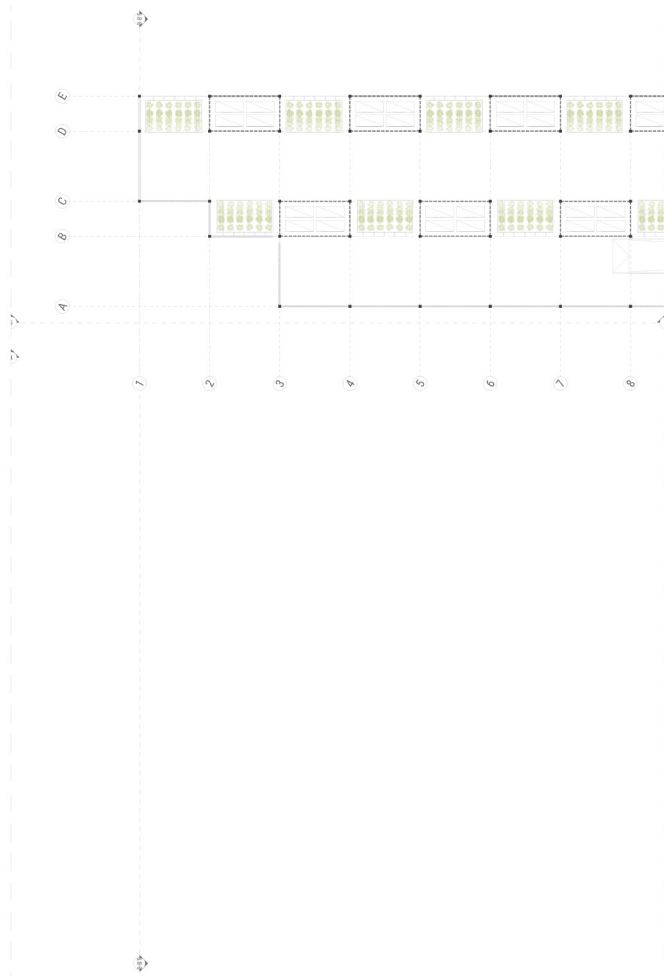


First Floor Plan
Building 4: Part 1

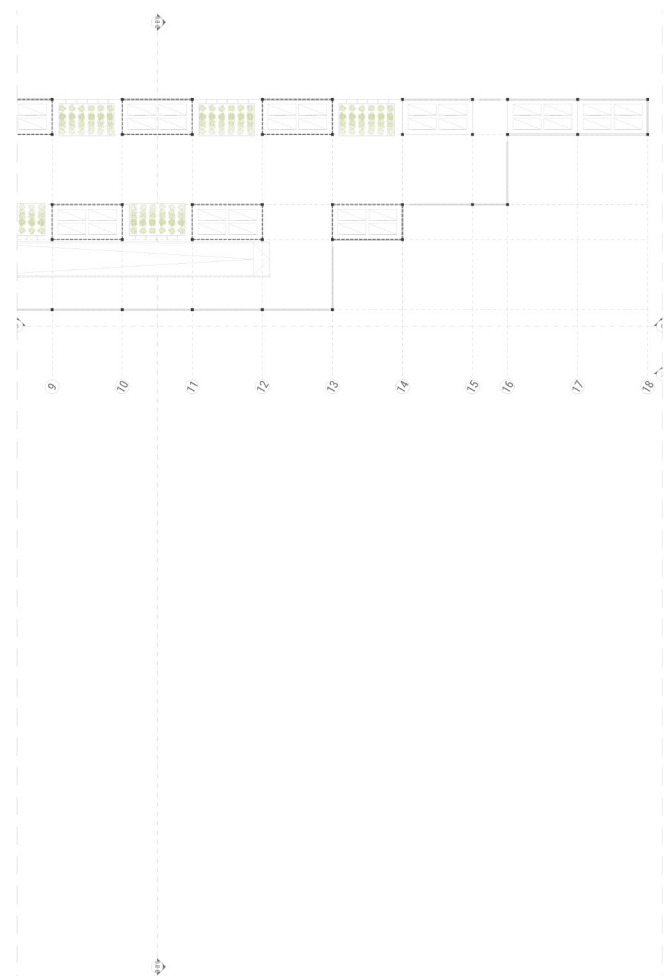


First Floor Plan
Building 4: Part 2

First Floor Plan Building 4: Part 1&2

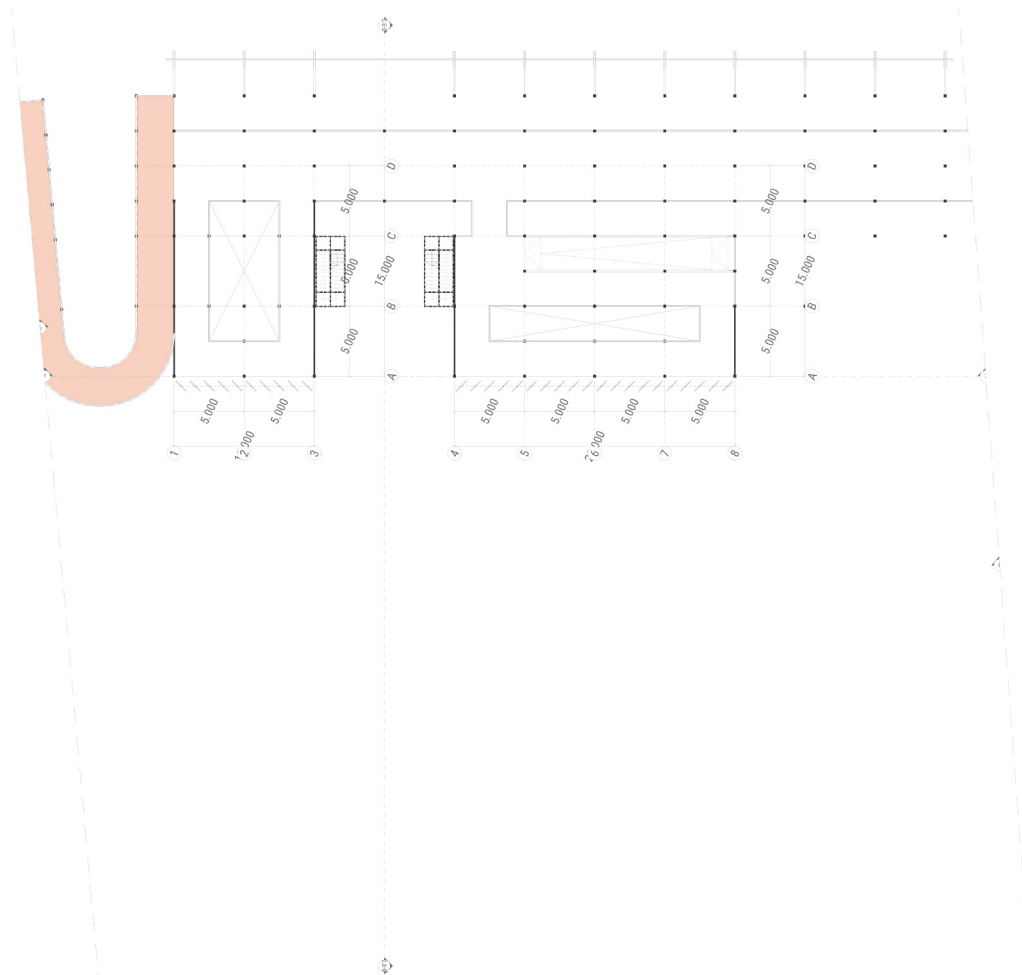


Second Floor Plan (Vertical Farming Deck)
Building 4: Part 1



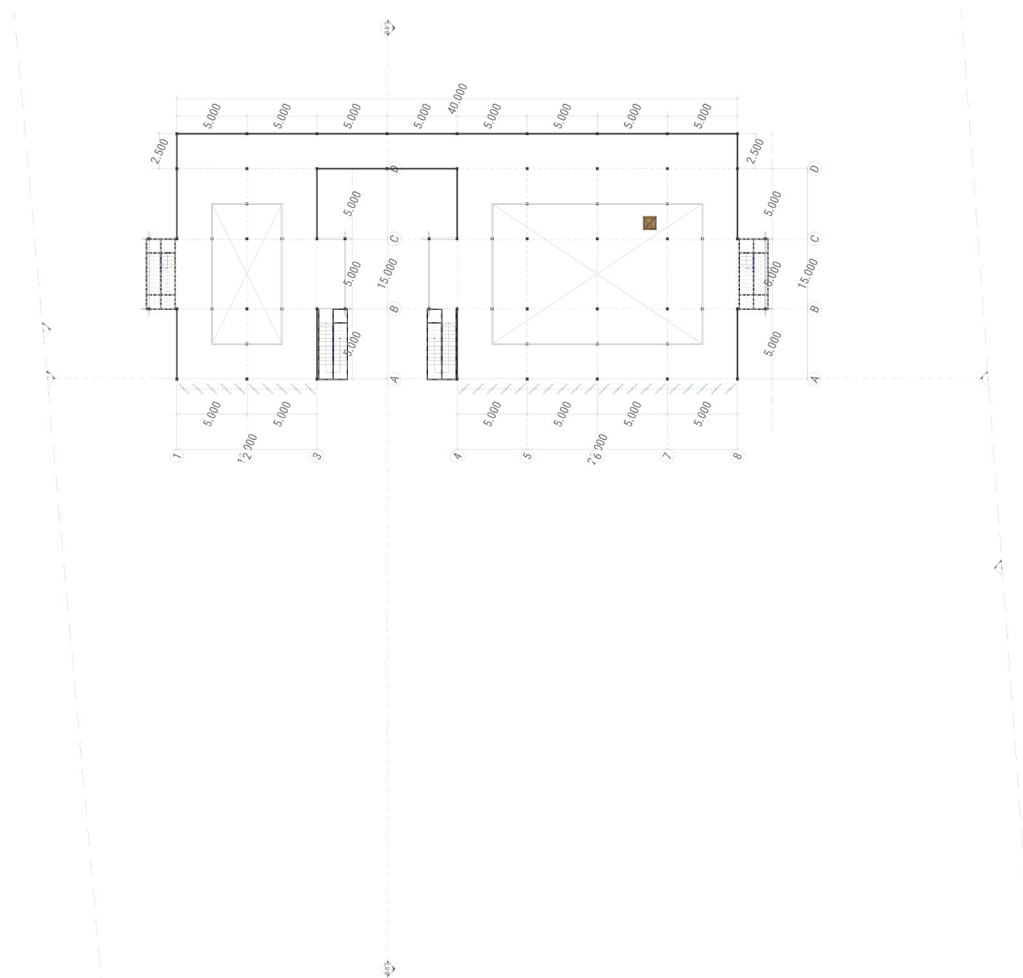
Second Floor Plan (Vertical Farming Deck)
Building 4: Part 2

Second Floor Plan (Vertical Farming Deck) Building 4: Part 1&2



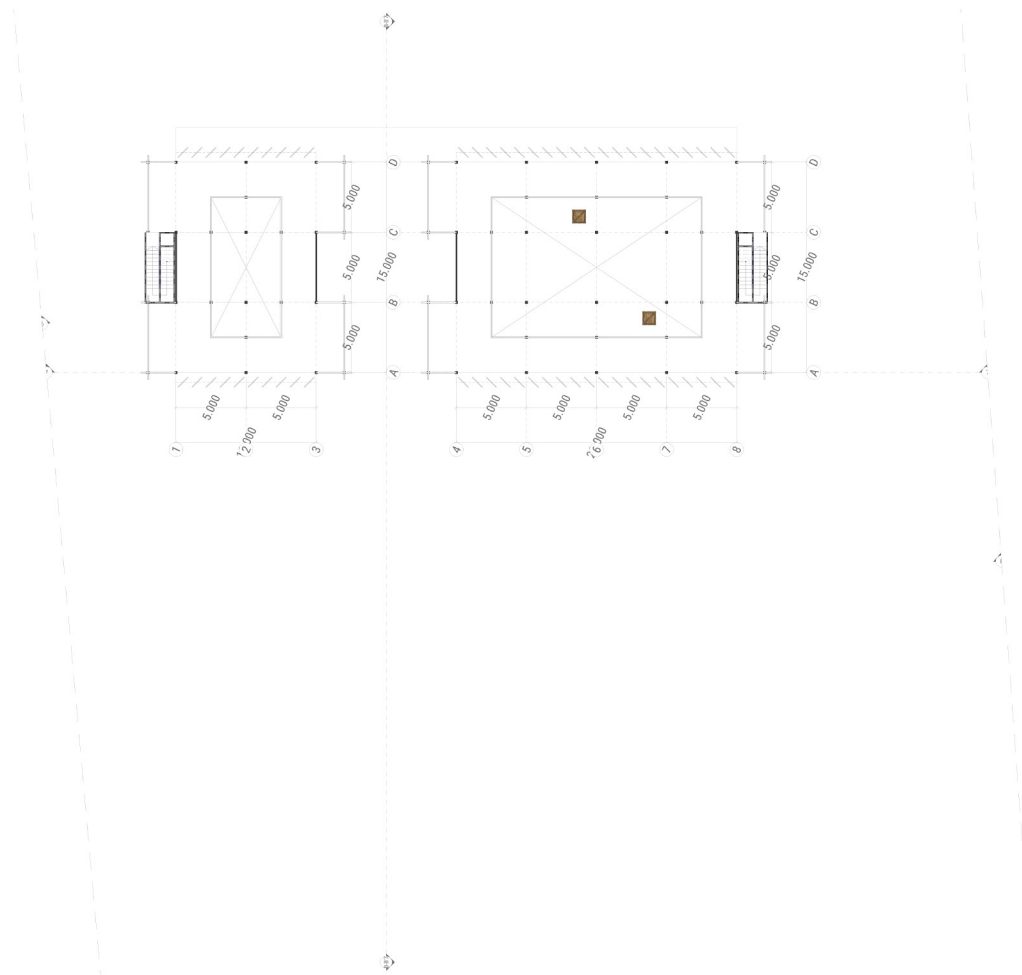
First Floor Plan
Building 5

First Floor Plan Building 5



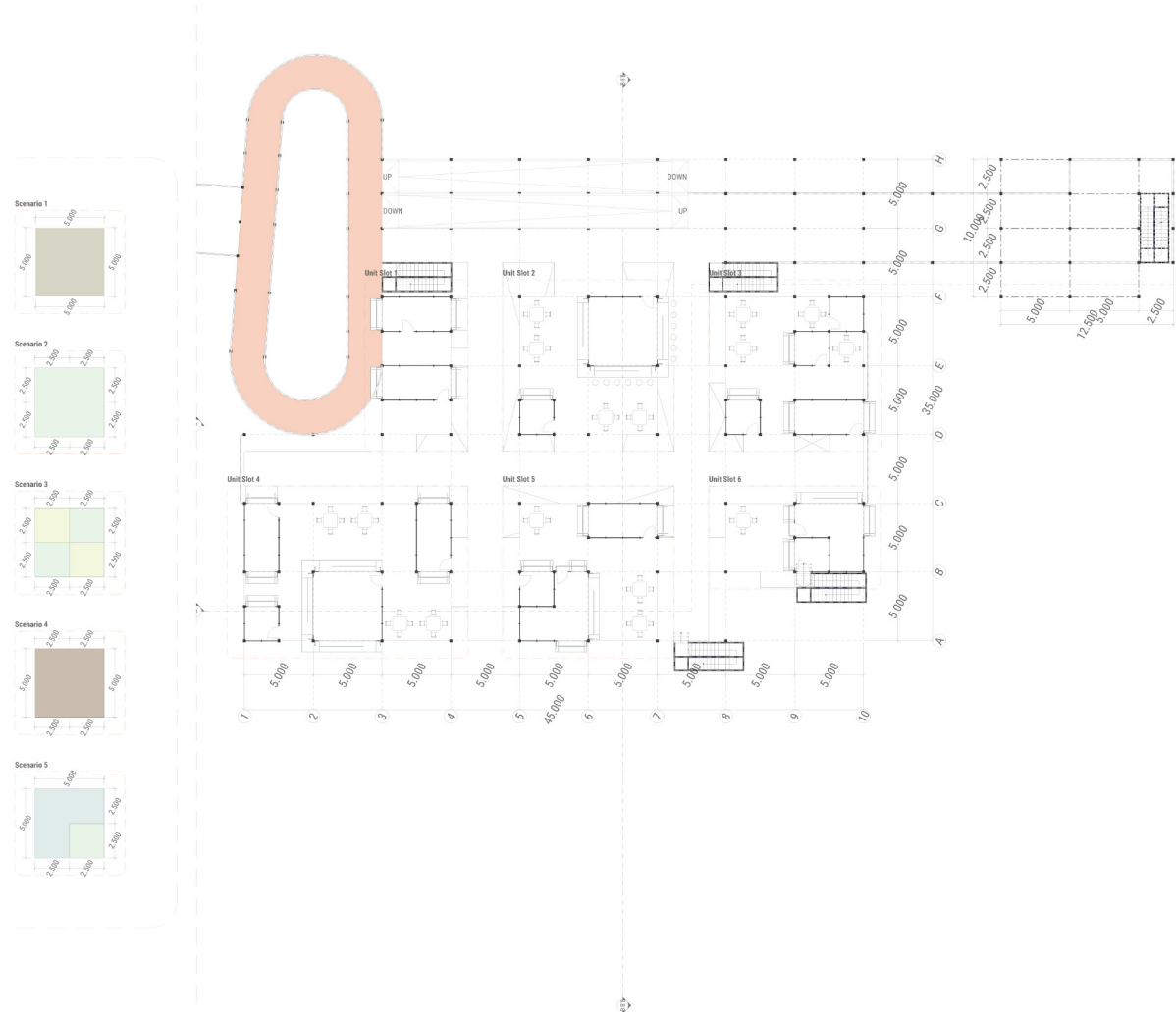
Third Floor Plan
Building 5

Third Floor Plan Building 5



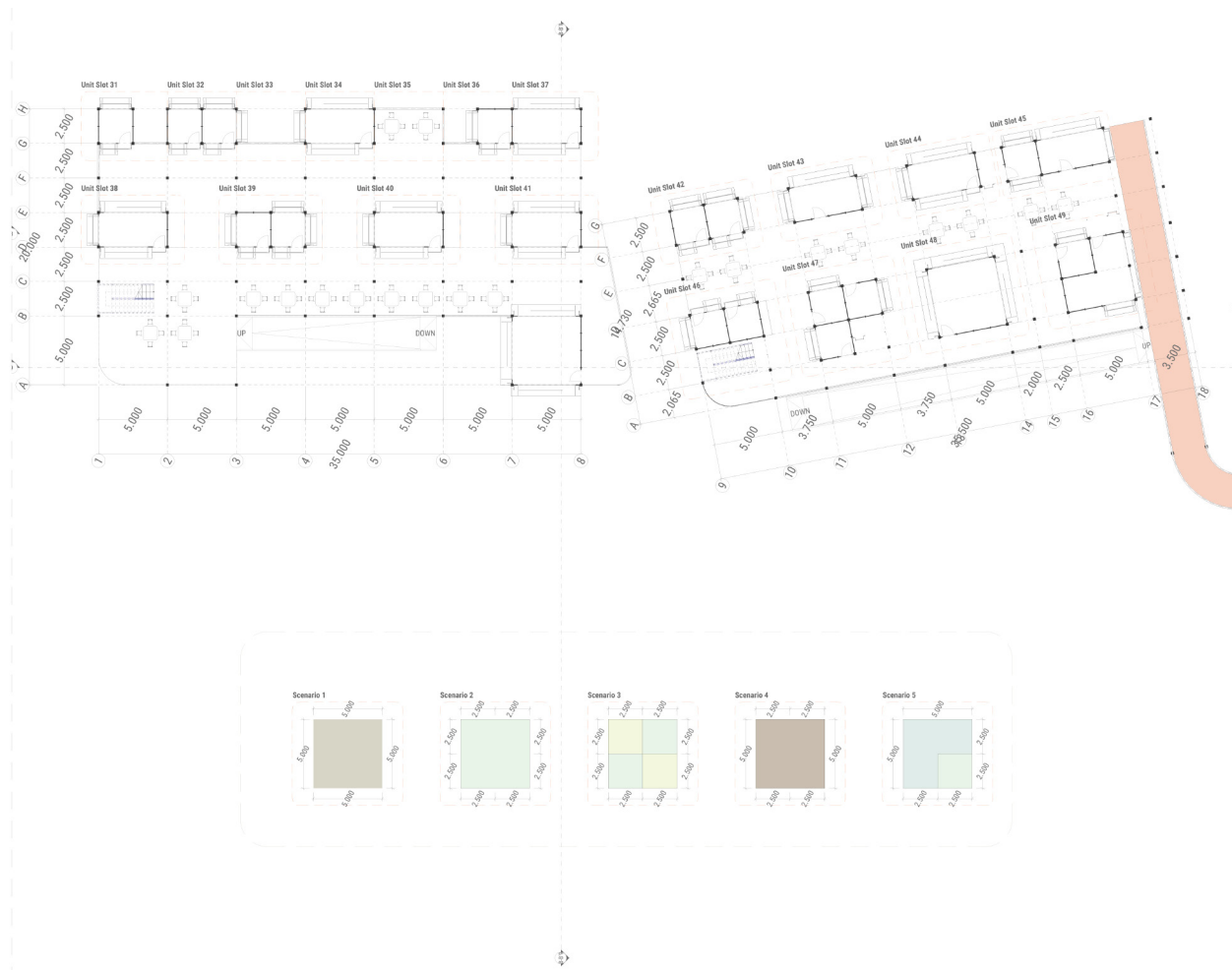
Fourth Floor Plan
Building 5

Fourth Floor Plan Building 5



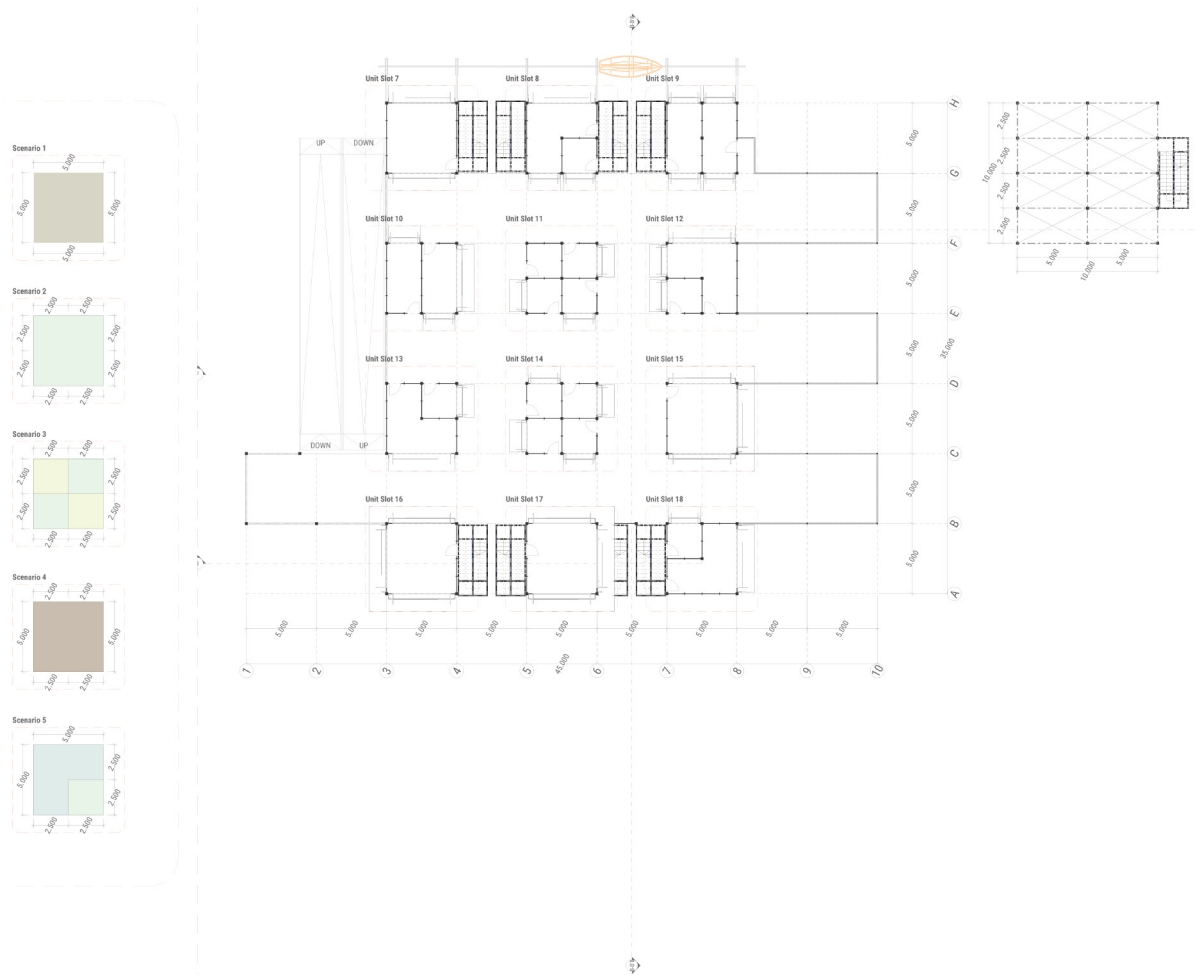
First Floor Plan
Building 6: Part 1

First Floor Plan Building 6: Part 1



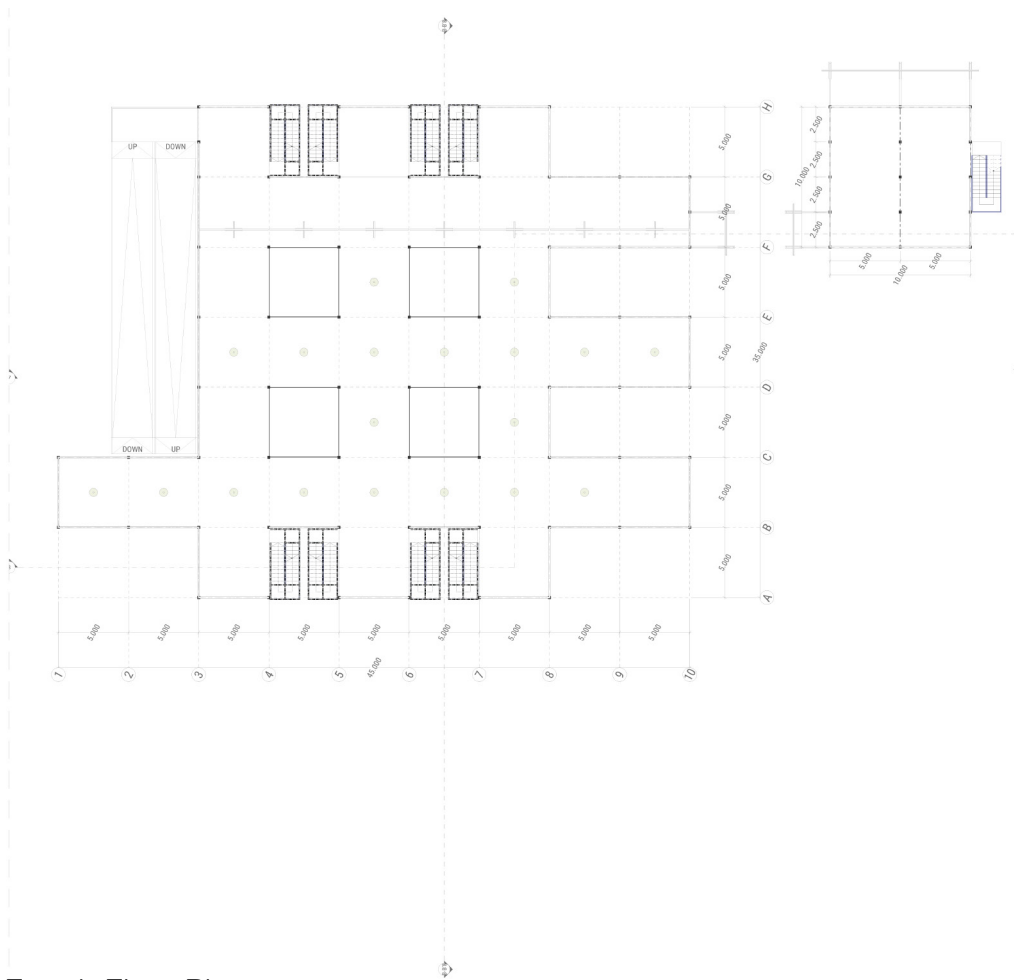
First Floor Plan
Building 6: Part 2

First Floor Plan Building 6: Part 2



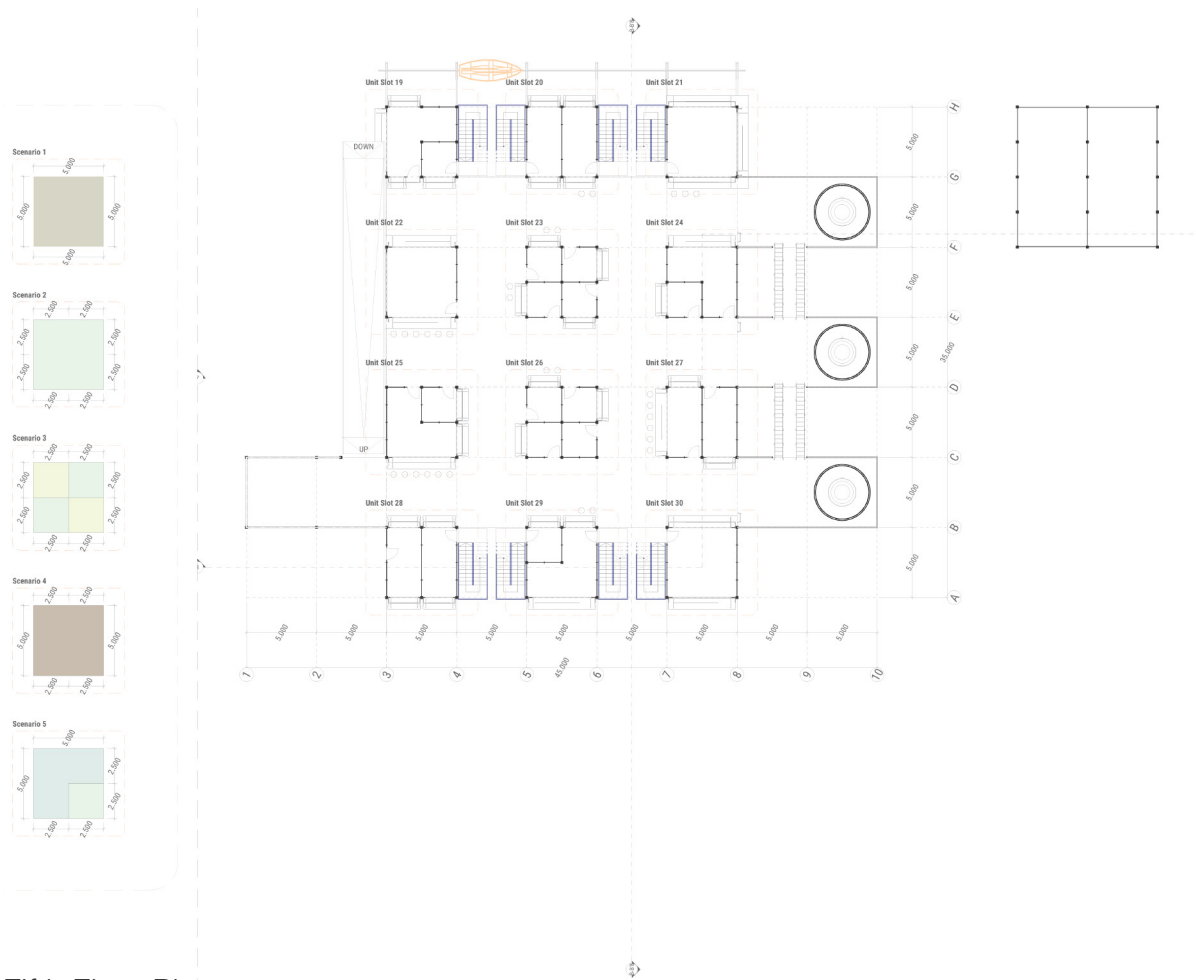
Third Floor Plan
Building 6: Part 1

Third Floor Plan Building 6: Part 1



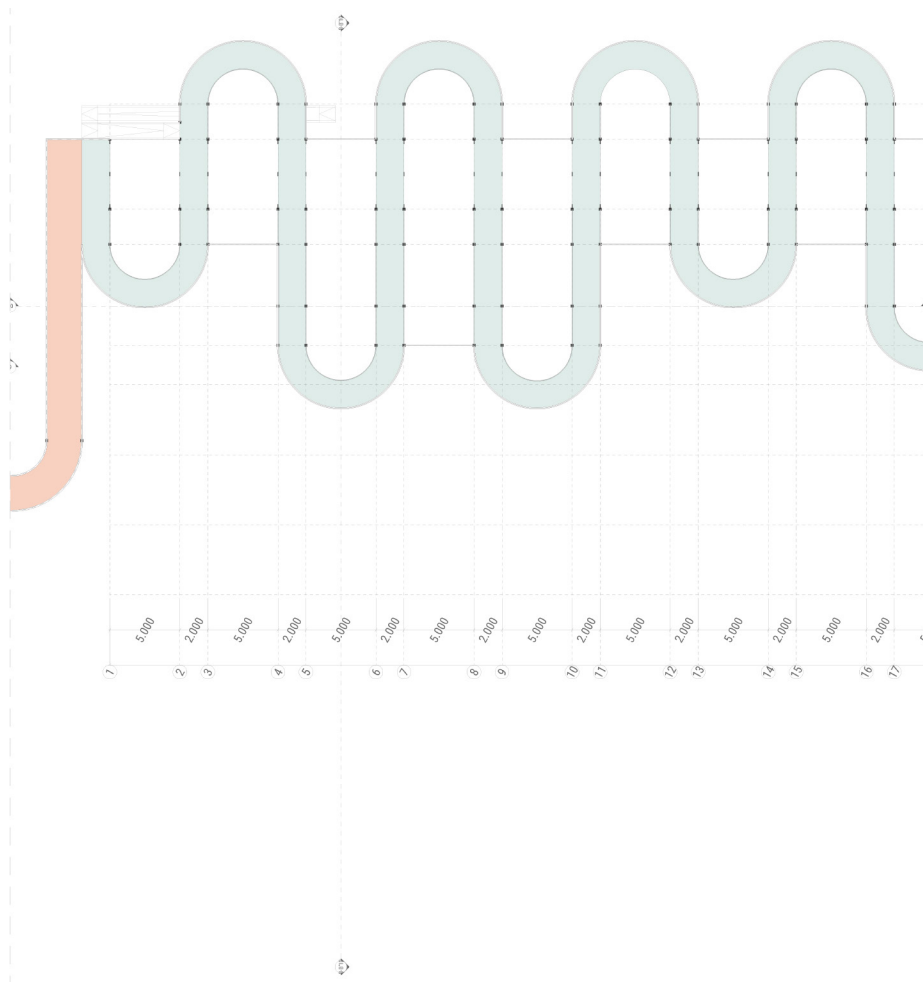
Fourth Floor Plan
Building 6: Part 1

Fourth Floor Plan Building 6: Part 1



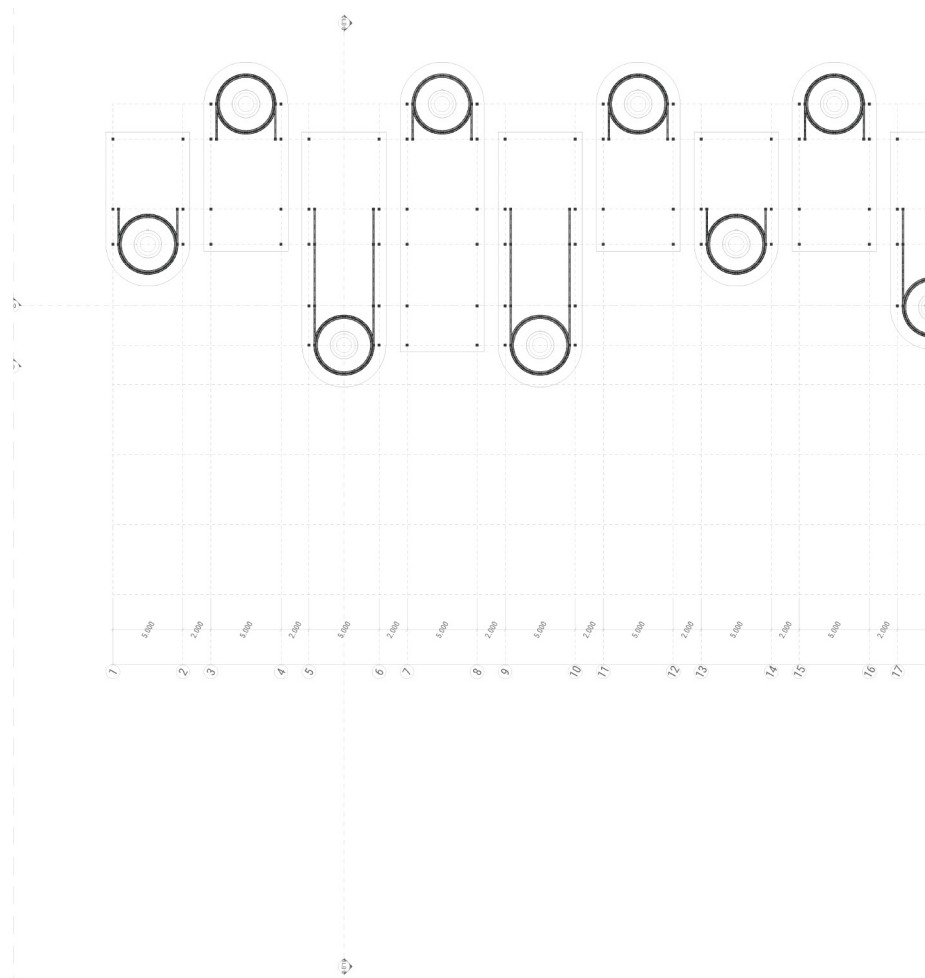
Fifth Floor Plan
Building 6: Part 1

Fifth Floor Plan Building 6: Part 1



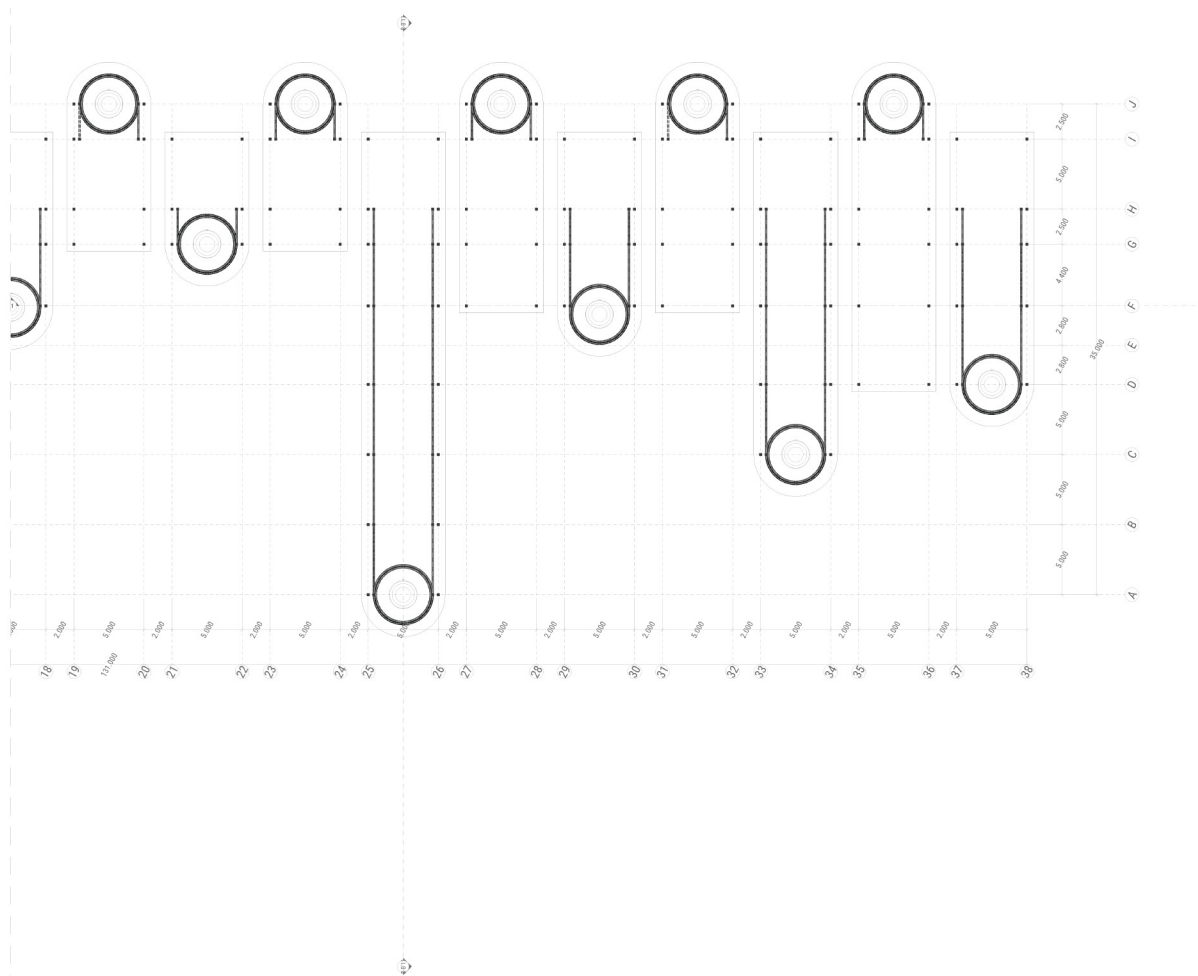
First Floor Plan
Building 7: Part 1

First Floor Plan Building 7: Part 1



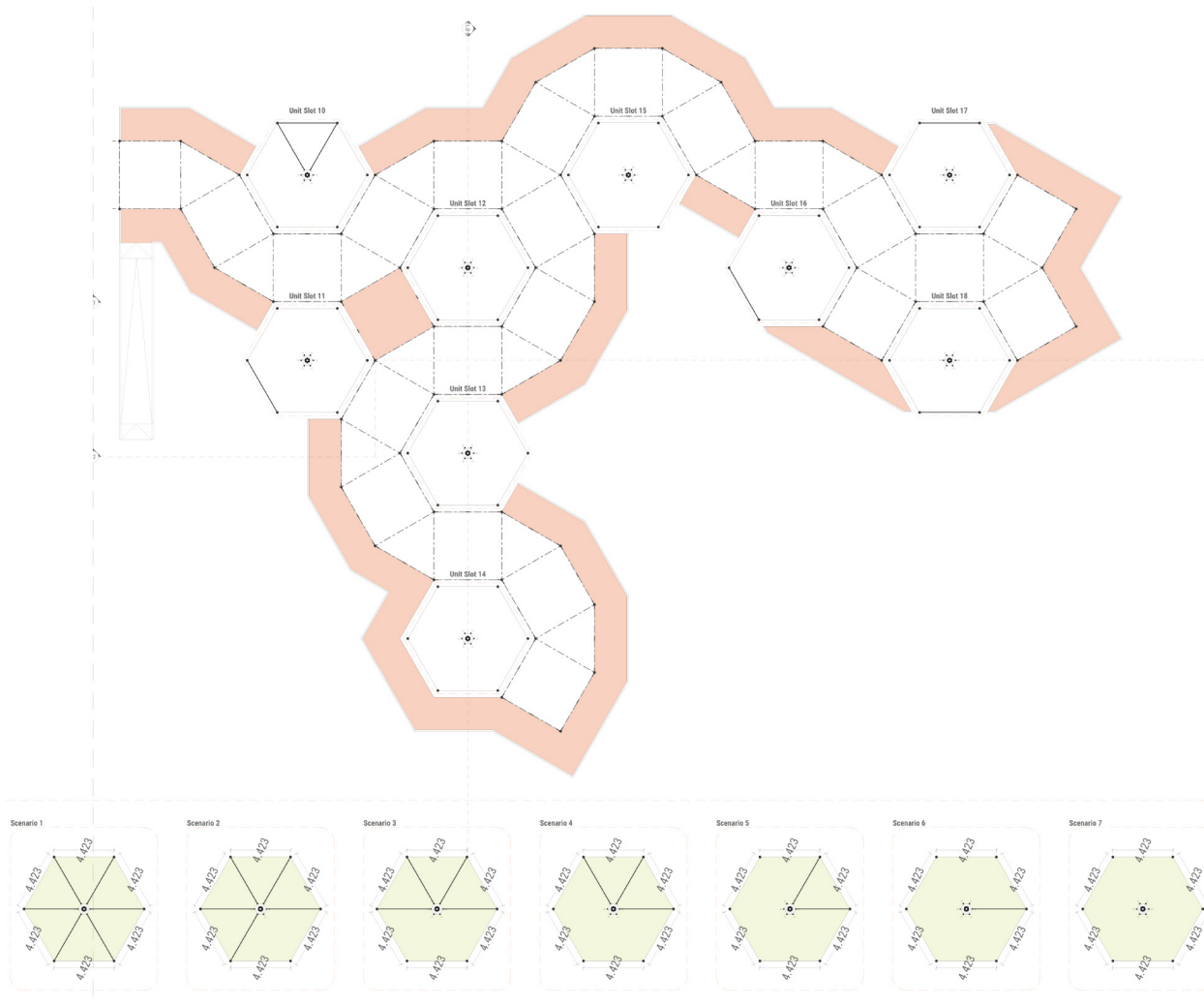
SecondFloor Plan
Building 7: Part 1

Second Floor Plan Building 7: Part 1



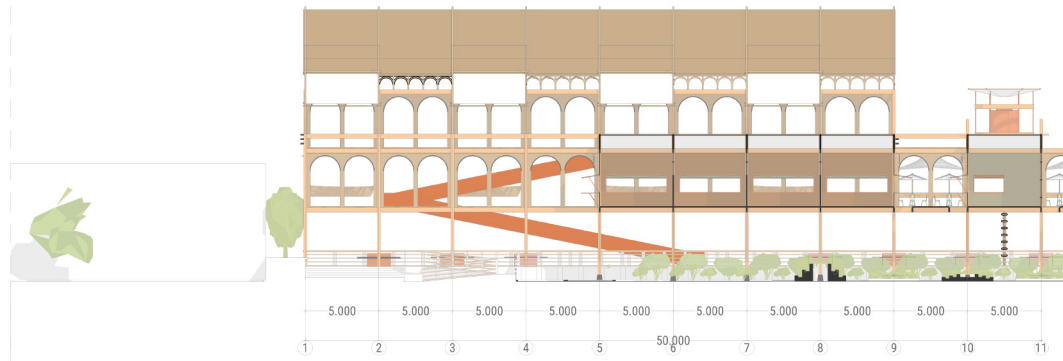
Second Floor Plan
Building 7: Part 2

Second Floor Plan Building 7: Part 1

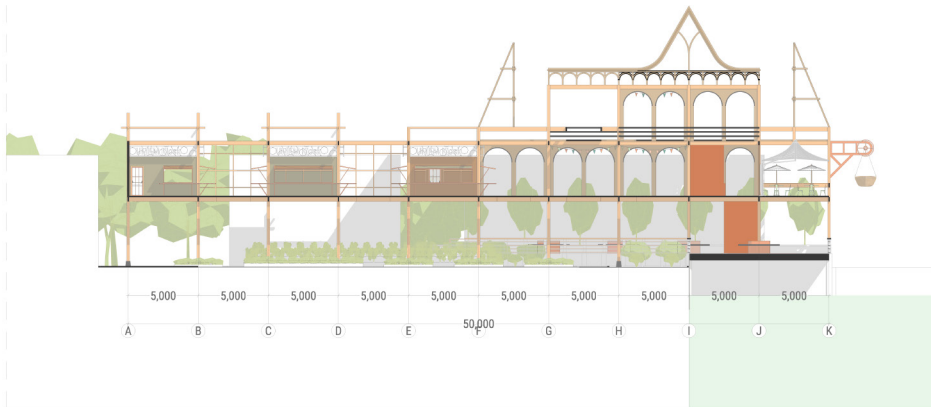


First Floor Plan
Building 8

First Floor Plan Building 8



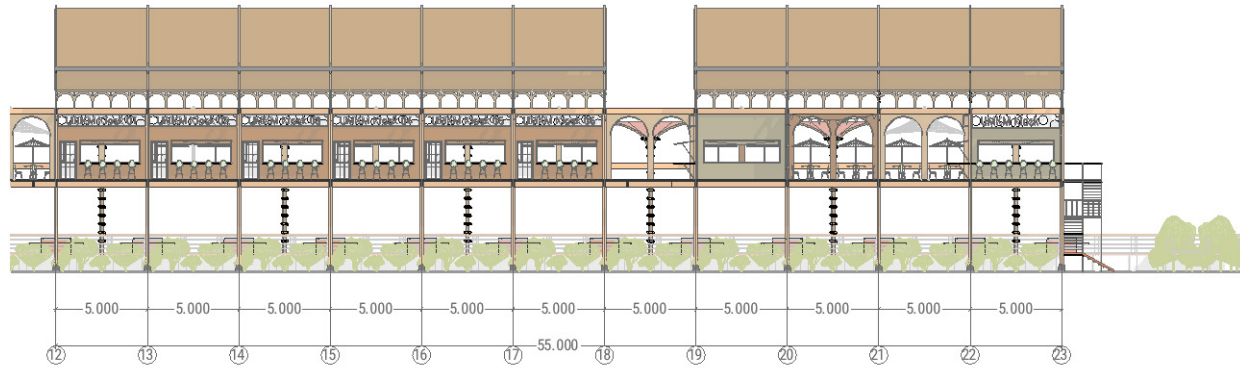
Section A-A'
Building 1: Part 1



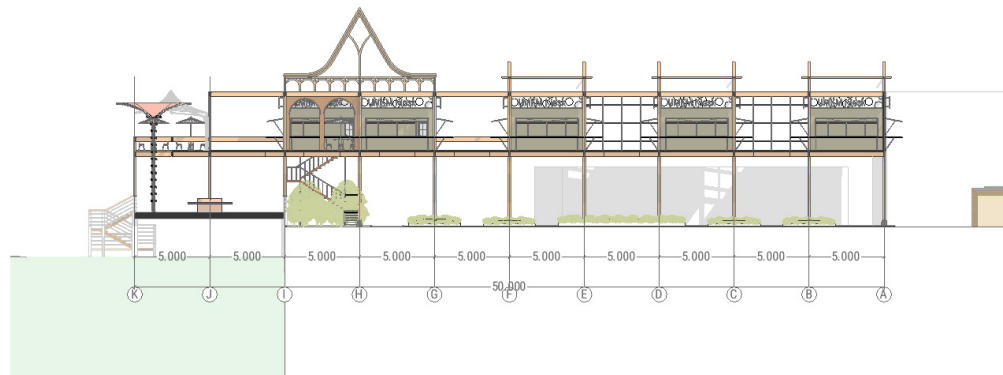
Section B-B'
Building 1: Part 1

Section A-A' & Section B-B'

Building 1: Part 1



Section A-A'
Building 1: Part 2



Section B-B'
Building 1: Part 2

Section A-A' & Section B-B'

Building 1: Part 2



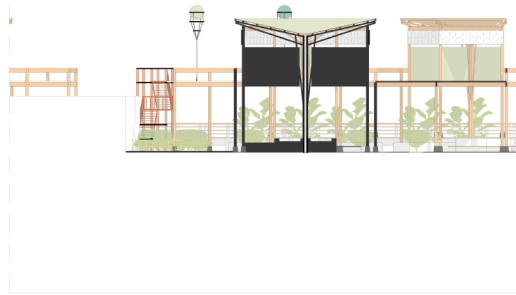
Section A-A'
Building 2: Part 1



Section B-B'
Building 2: Part 1

Section A-A' & Section B-B'

Building 2: Part 1



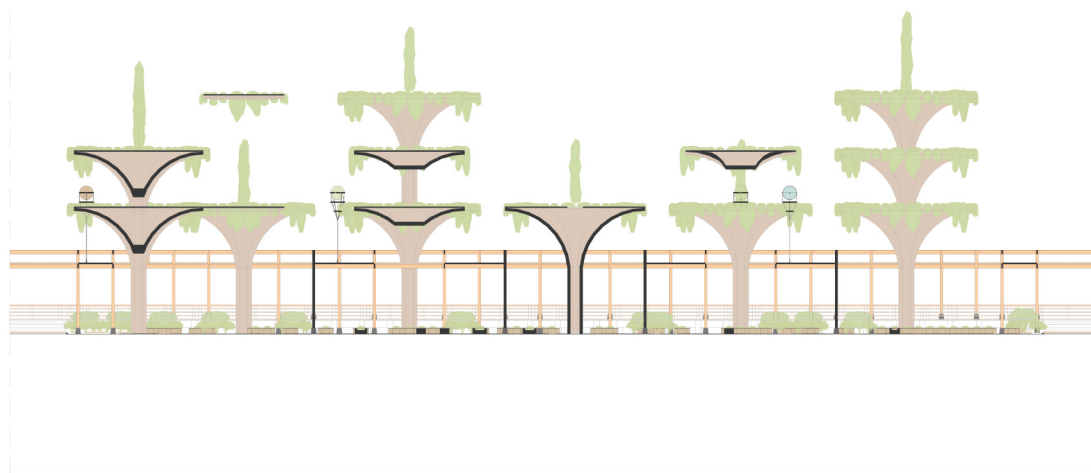
Section A-A'
Building 2: Part 2



Section B-B'
Building 2: Part 2

Section A-A' & Section B-B'

Building 2: Part 2



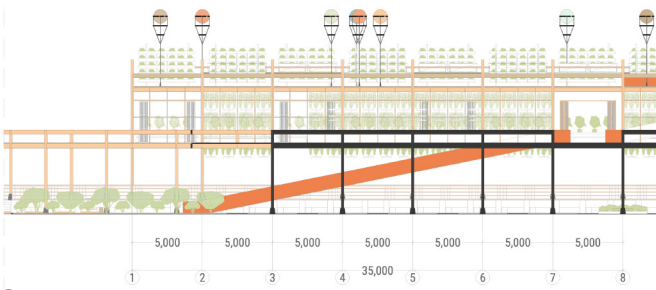
Section A-A'
Building 3



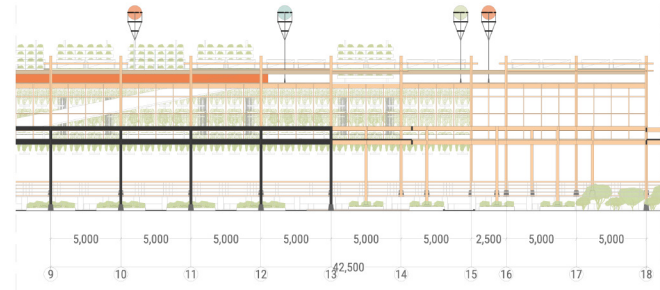
Section B-B'
Building 3

Section A-A' & Section B-B'

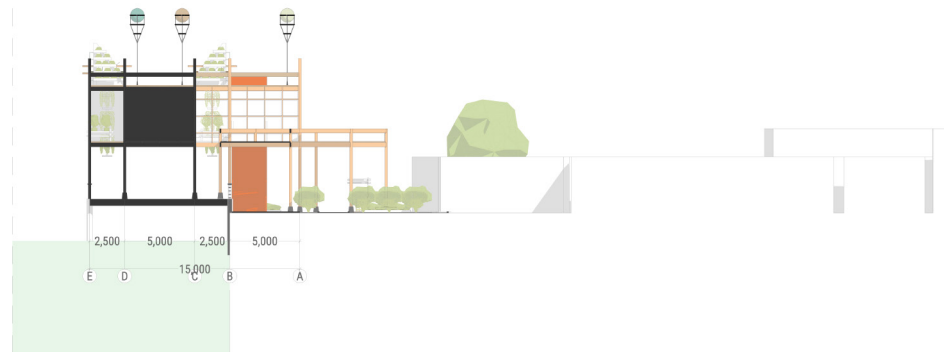
Building 3



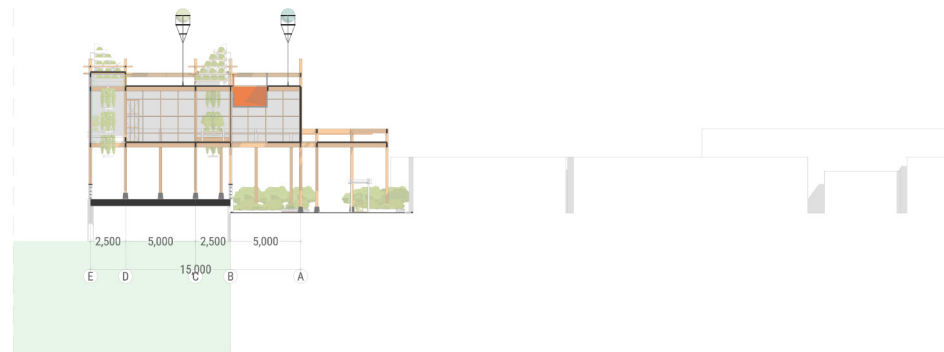
Section A-A'
Building 4: Part 1



Section A-A'
Building 4: Part 2



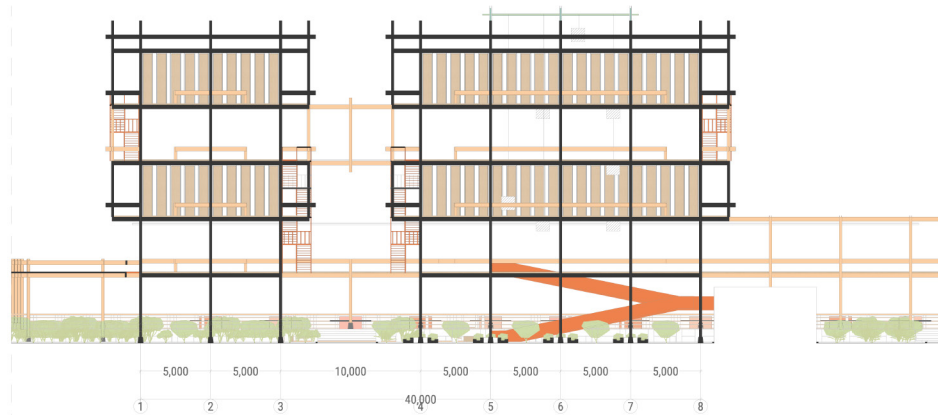
Section B-B'
Building 4: Part 1



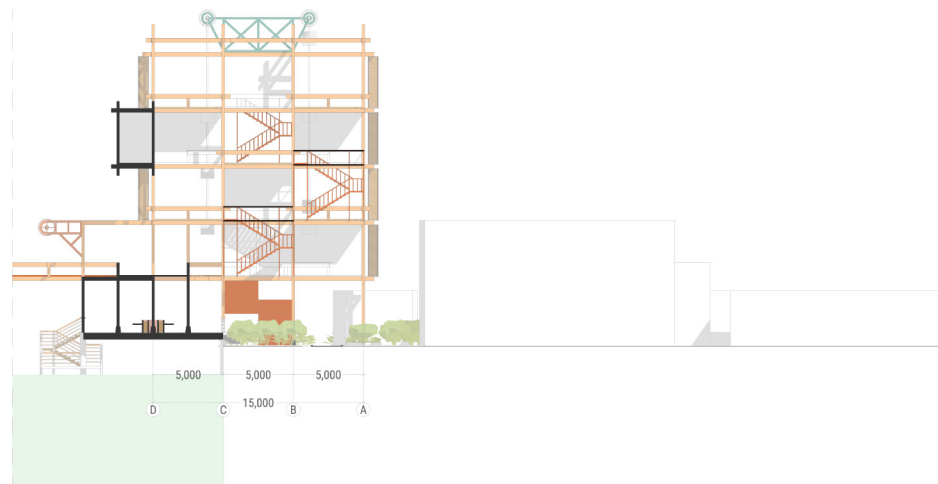
Section B-B'
Building 4: Part 2

Section A-A' & Section B-B'

Building 4: Part 1&2



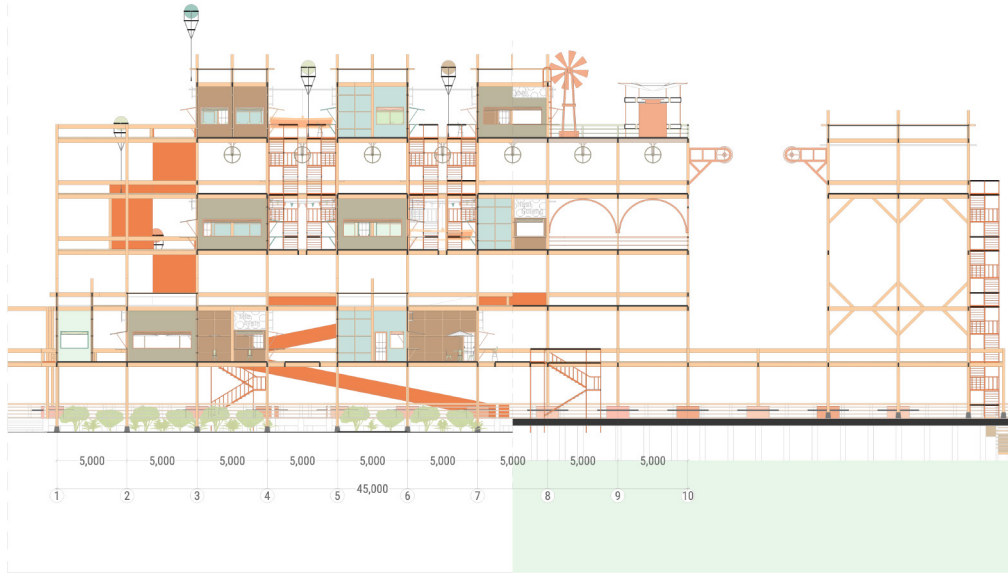
Section A-A'
Building 5



Section B-B'
Building 5

Section A-A' & Section B-B'

Building 5



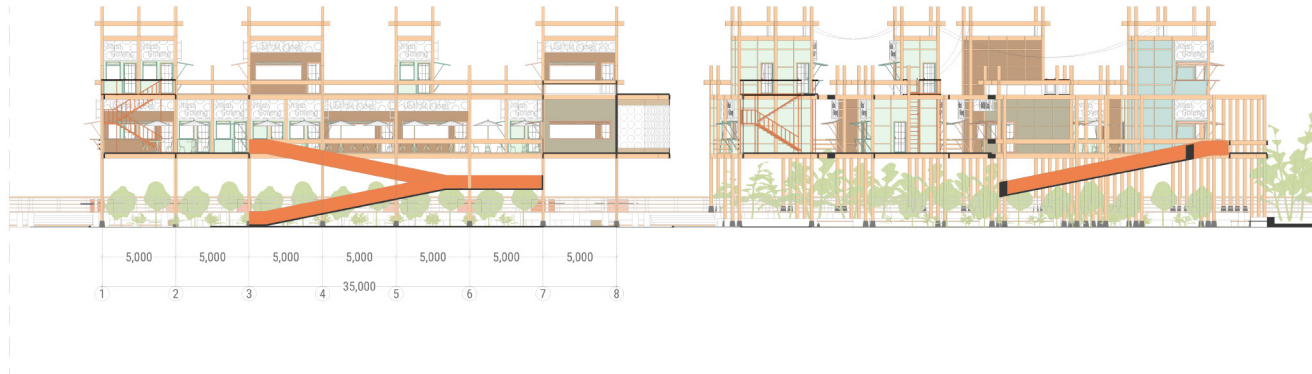
Section A-A'
Building 6: Part 1



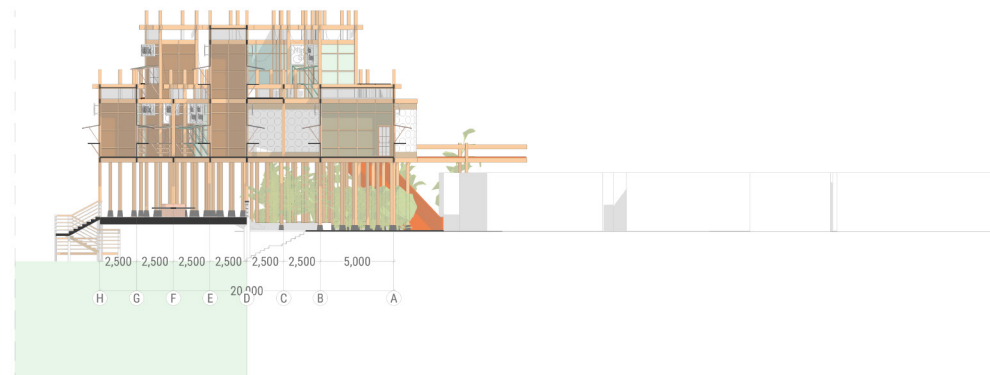
Section B-B'
Building 6: Part 1

Section A-A' & Section B-B'

Building 6: Part 1



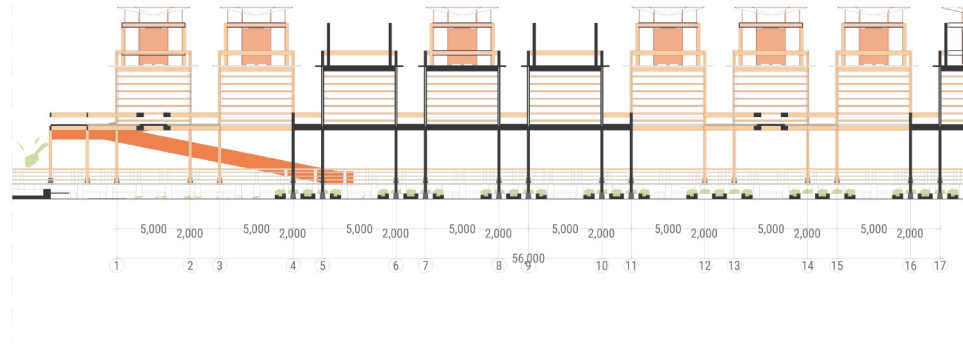
Section A-A'
Building 6: Part 2



Section B-B'
Building 6: Part 2

Section A-A' & Section B-B'

Building 6: Part 2



Section A-A'
Building 7: Part 1



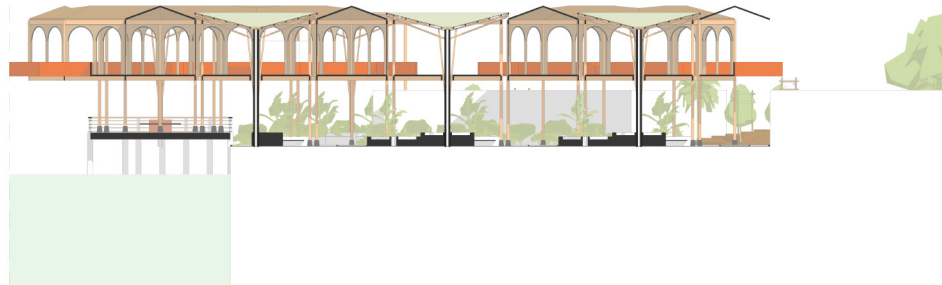
Section B-B'
Building 7: Part 1

Section A-A' & Section B-B'

Building 7: Part 1

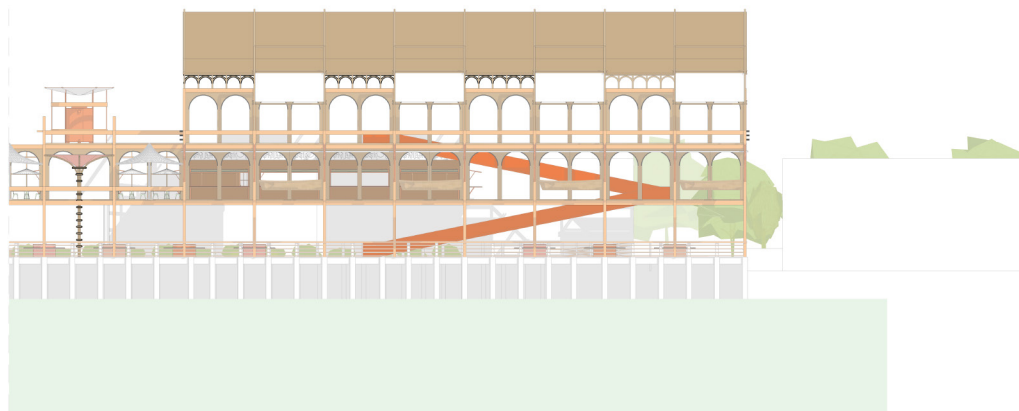


Section A-A'
Building 8

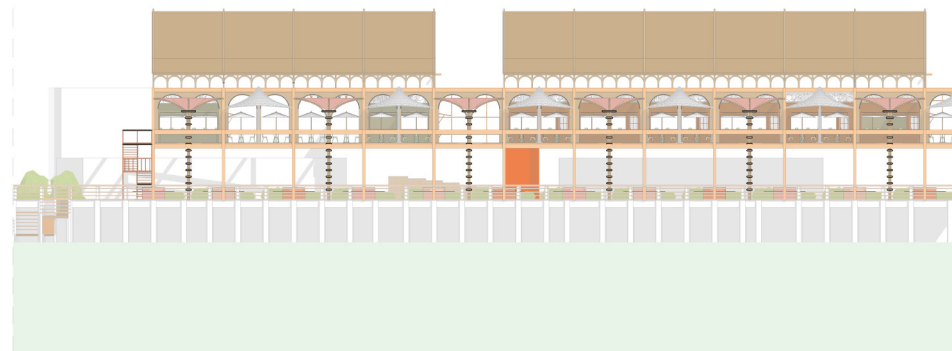


Section B-B'
Building 8

Section A-A' & Section B-B' Building 8

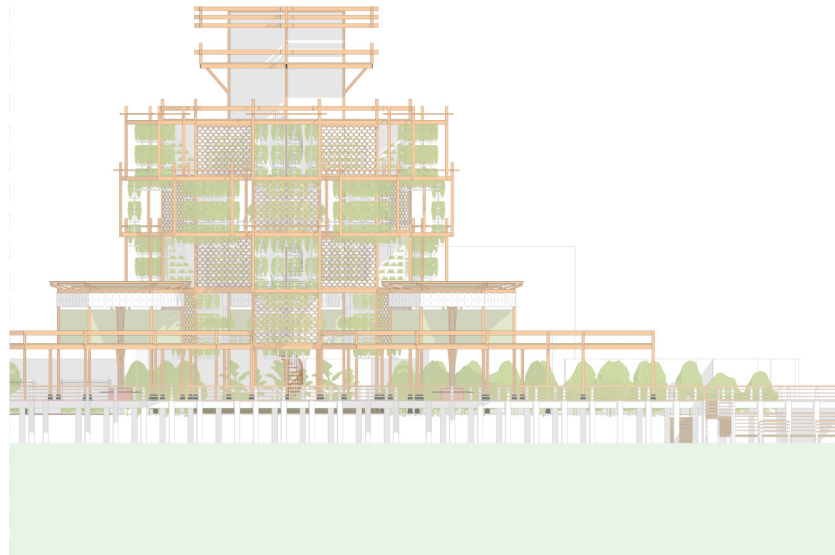


Elevation: View from Kapuas River
Building 1: Part 1



Elevation: View from Kapuas River
Building 1: Part 2

Elevation: View from Kapuas River Building 1: Part 1&2

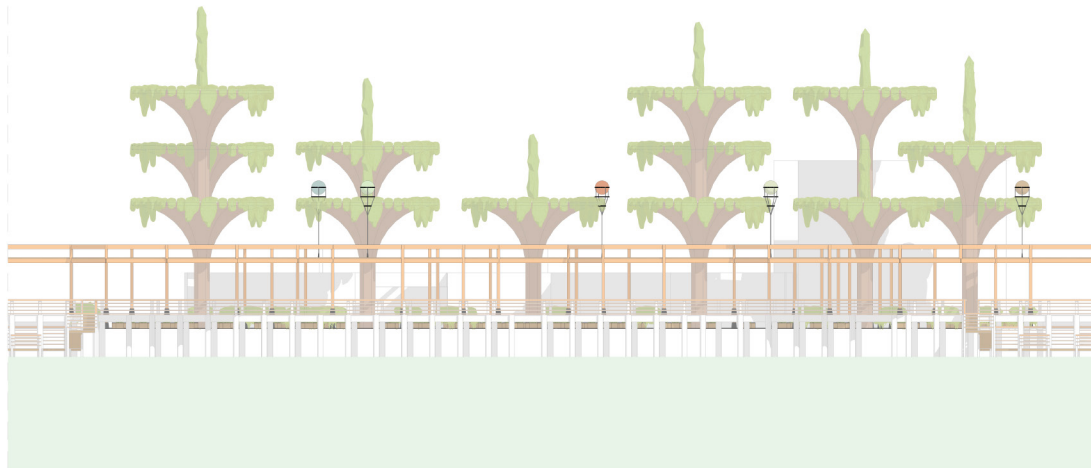


Elevation: View from Kapuas River
Building 2: Part 1



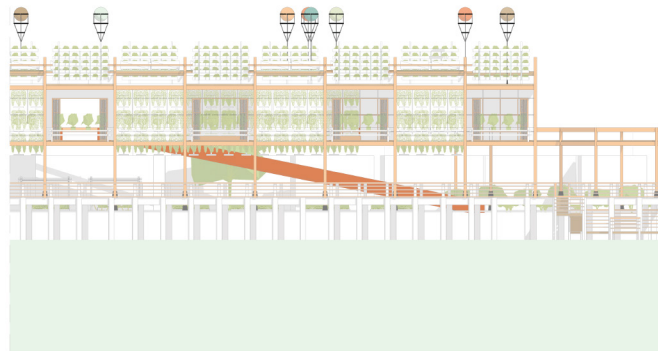
Elevation: View from Kapuas River
Building 2: Part 2

Elevation: View from Kapuas River Building 2: Part 1&2

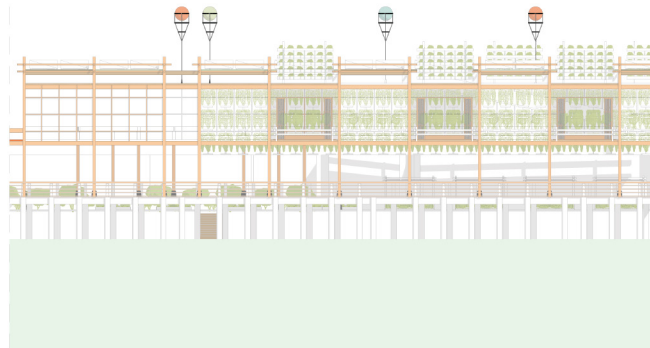


Elevation: View from Kapuas River
Building 3

Elevation: View from Kapuas River Building 3

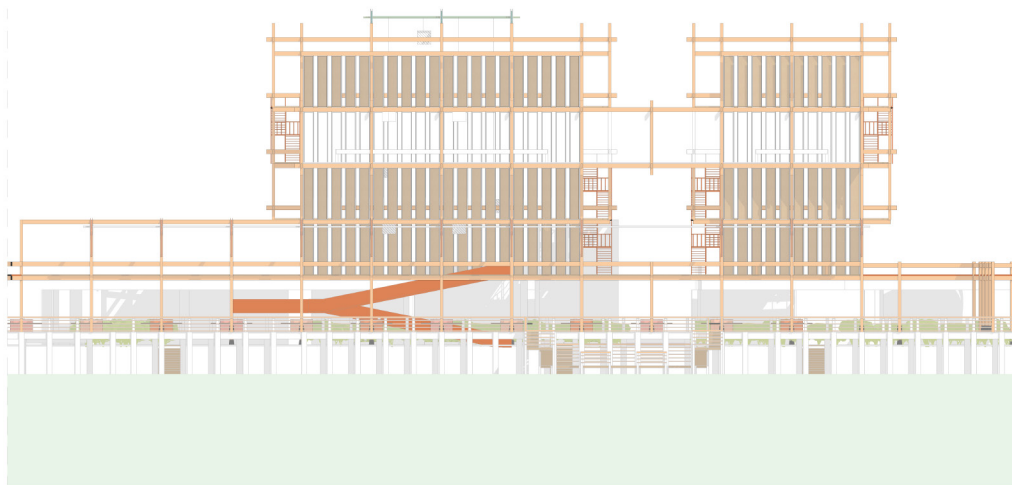


Elevation: View from Kapuas River
Building 4: Part 1



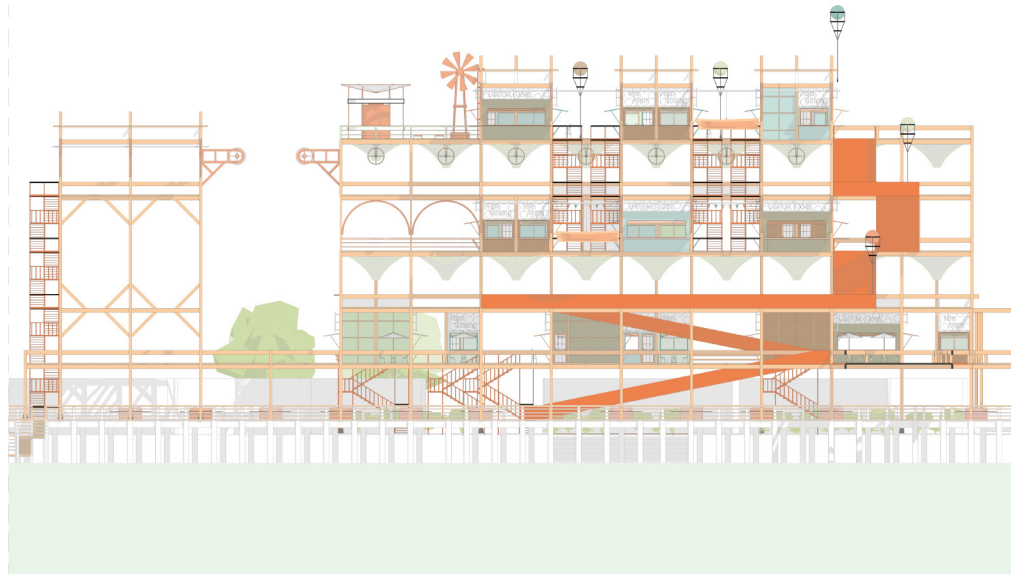
Elevation: View from Kapuas River
Building 4: Part 2

Elevation: View from Kapuas River Building 4: Part 1&2

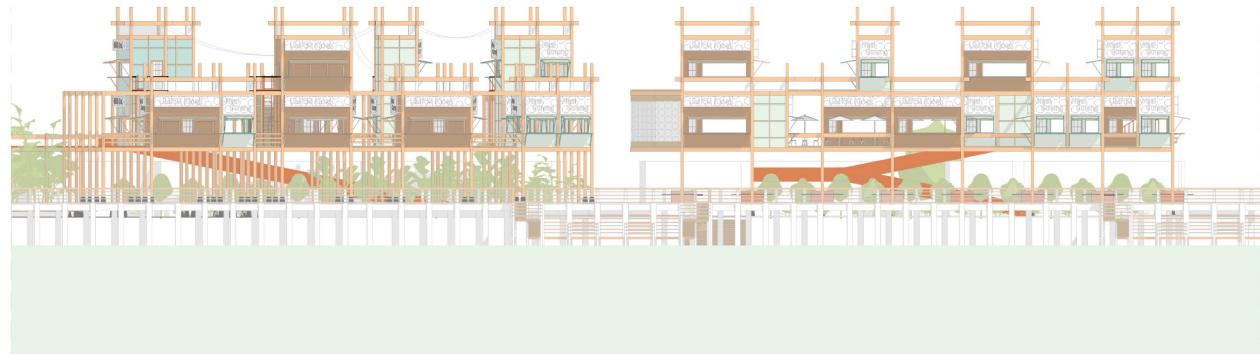


Elevation: View from Kapuas River
Building 5

Elevation: View from Kapuas River Building 5



Elevation: View from Kapuas River
Building 6: Part 1

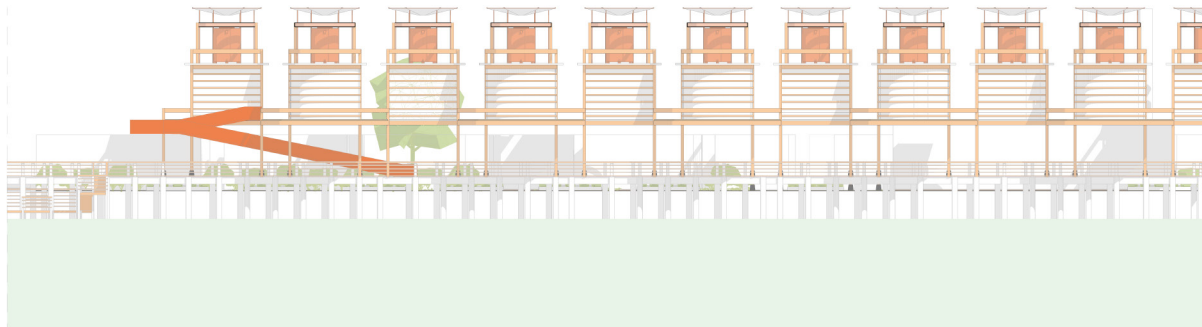


Elevation: View from Kapuas River
Building 6: Part 2

Elevation: View from Kapuas River Building 6: Part 1&2



Elevation: View from Kapuas River
Building 1: Part 1



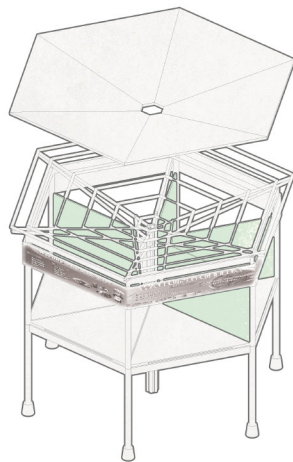
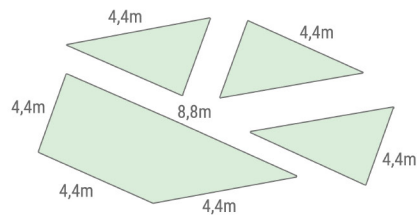
Elevation: View from Kapuas River
Building 1: Part 2

Elevation: View from Kapuas River Building 7: Part 1&2



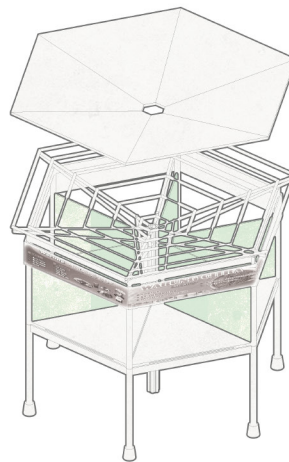
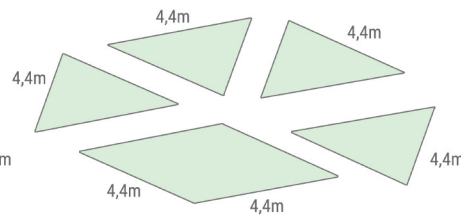
Elevation: View from Kapuas River
Building 8

Elevation: View from Kapuas River Building 8



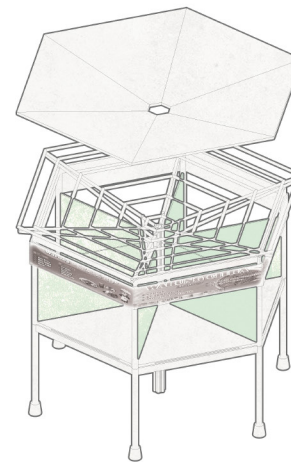
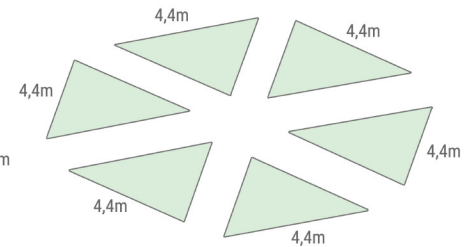
Scenario 5

Rentable Area
 25,4 square meter
 8,47 square meter
 8,47 square meter
 8,47 square meter



Scenario 6

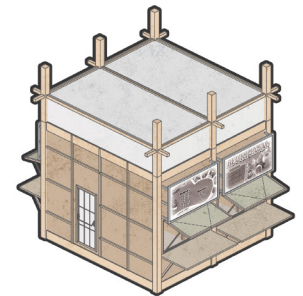
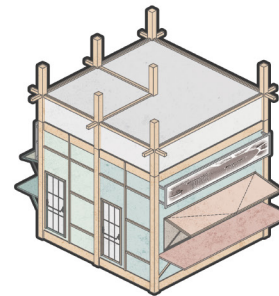
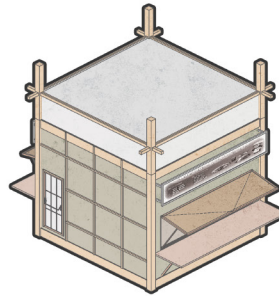
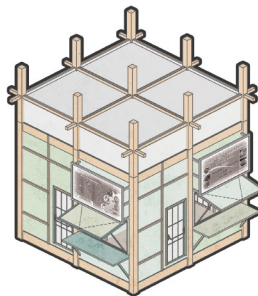
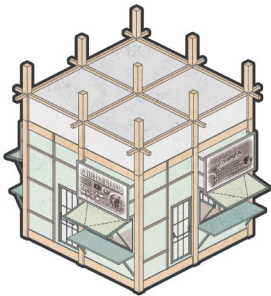
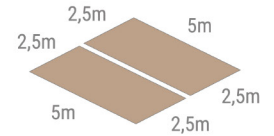
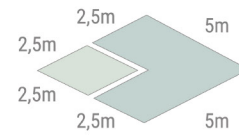
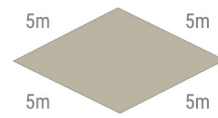
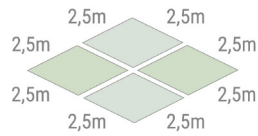
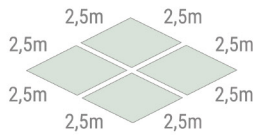
Rentable Area
 16,95 square meter
 8,47 square meter
 8,47 square meter
 8,47 square meter
 8,47 square meter



Scenario 7

Rentable Area
 8,47 square meter
 8,47 square meter
 8,47 square meter
 8,47 square meter
 8,47 square meter
 8,47 square meter

Rentable Module Units



Scenario 1

Rentable Area
 6,25 square meter
 6,25 square meter
 6,25 square meter
 6,25 square meter



Scenario 2

Rentable Area
 6,25 square meter
 6,25 square meter
 12,5 square meter



Scenario 3

Rentable Area
 25 square meter



Scenario 4

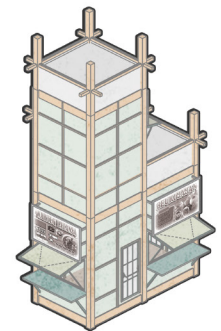
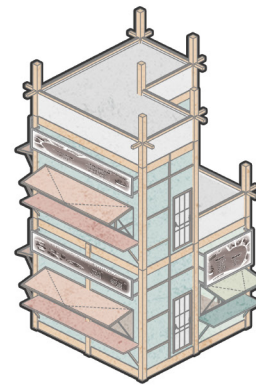
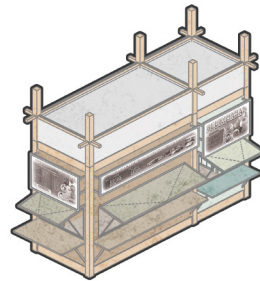
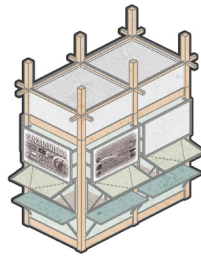
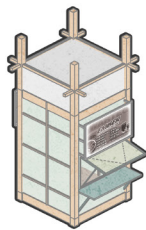
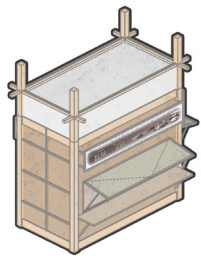
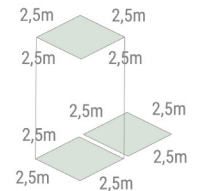
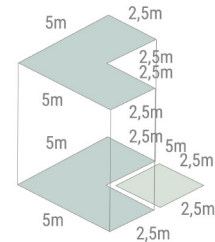
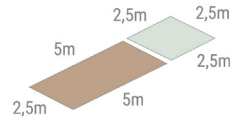
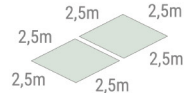
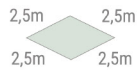
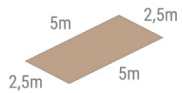
Rentable Area
 6,25 square meter
 18,75 square meter



Scenario 5

Rentable Area
 12,5 square meter
 12,5 square meter

Rentable Module Units



Scenario 6

Rentable Area
12,5 square meter



Scenario 7

Rentable Area
6,25 square meter



Scenario 8

Rentable Area
6,25 square meter
6,25 square meter



Scenario 9

Rentable Area
12,5 square meter
6,25 square meter



Scenario 10

Rentable Area
18,75 square meter
+
18,75 square meter
6,25 square meter

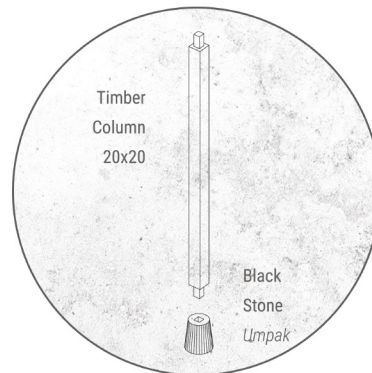
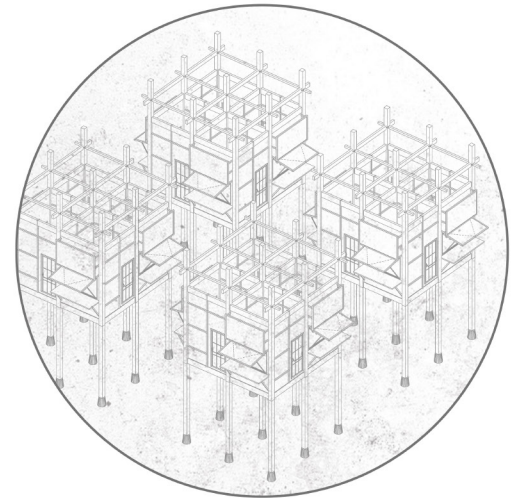
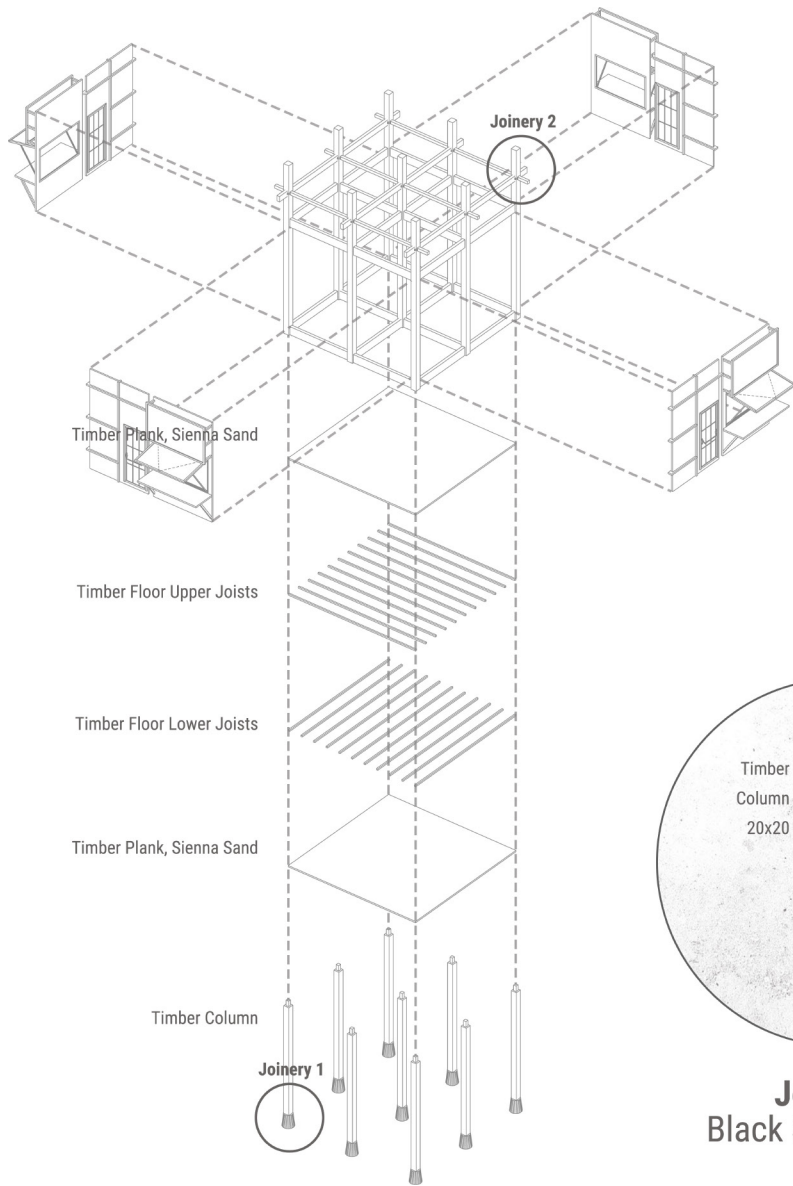


Scenario 11

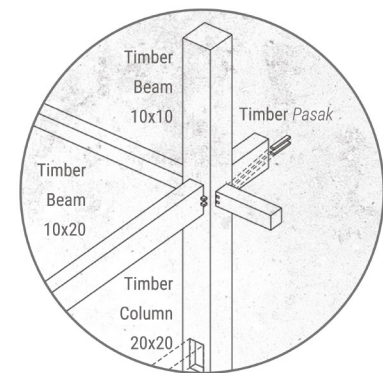
Rentable Area
6,25 square meter
+
6,25 square meter
6,25 square meter

and many more possibilities...

Rentable Module Units

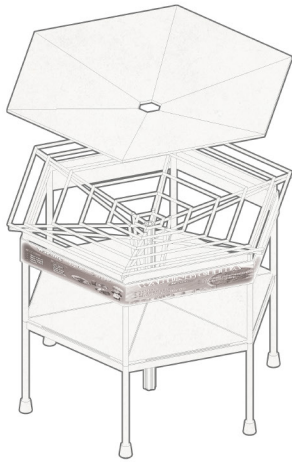
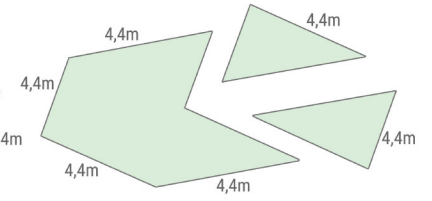
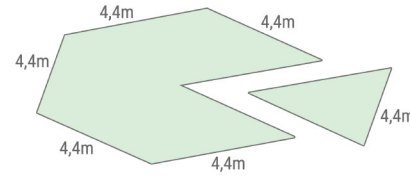
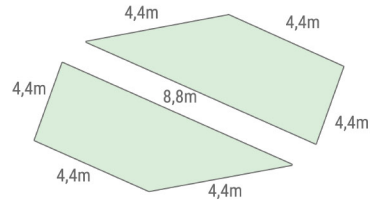
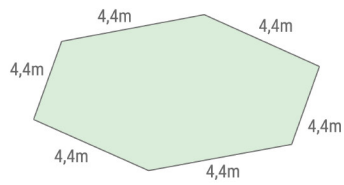


Joinery 1
Black Stone *Umpak*



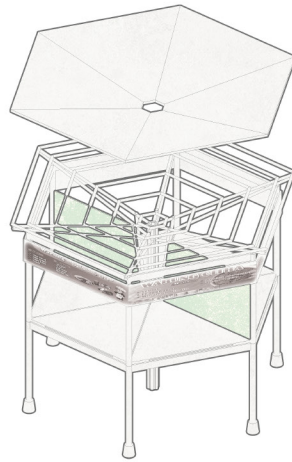
Joinery 2
Timber *Pasak*

Module Set - Structure Detail



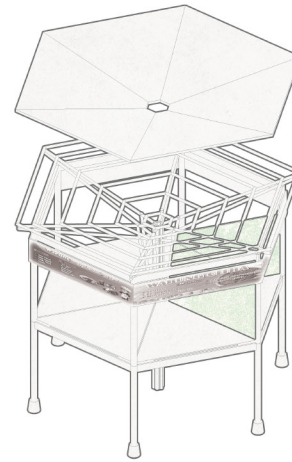
Scenario 1

Rentable Area
50,8 square meter



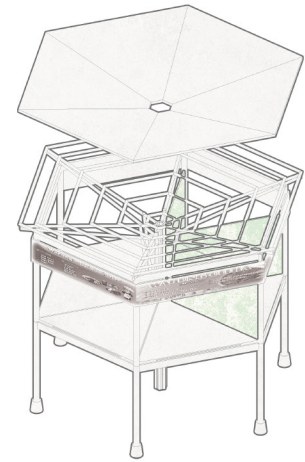
Scenario 2

Rentable Area
25,4 square meter
25,4 square meter



Scenario 3

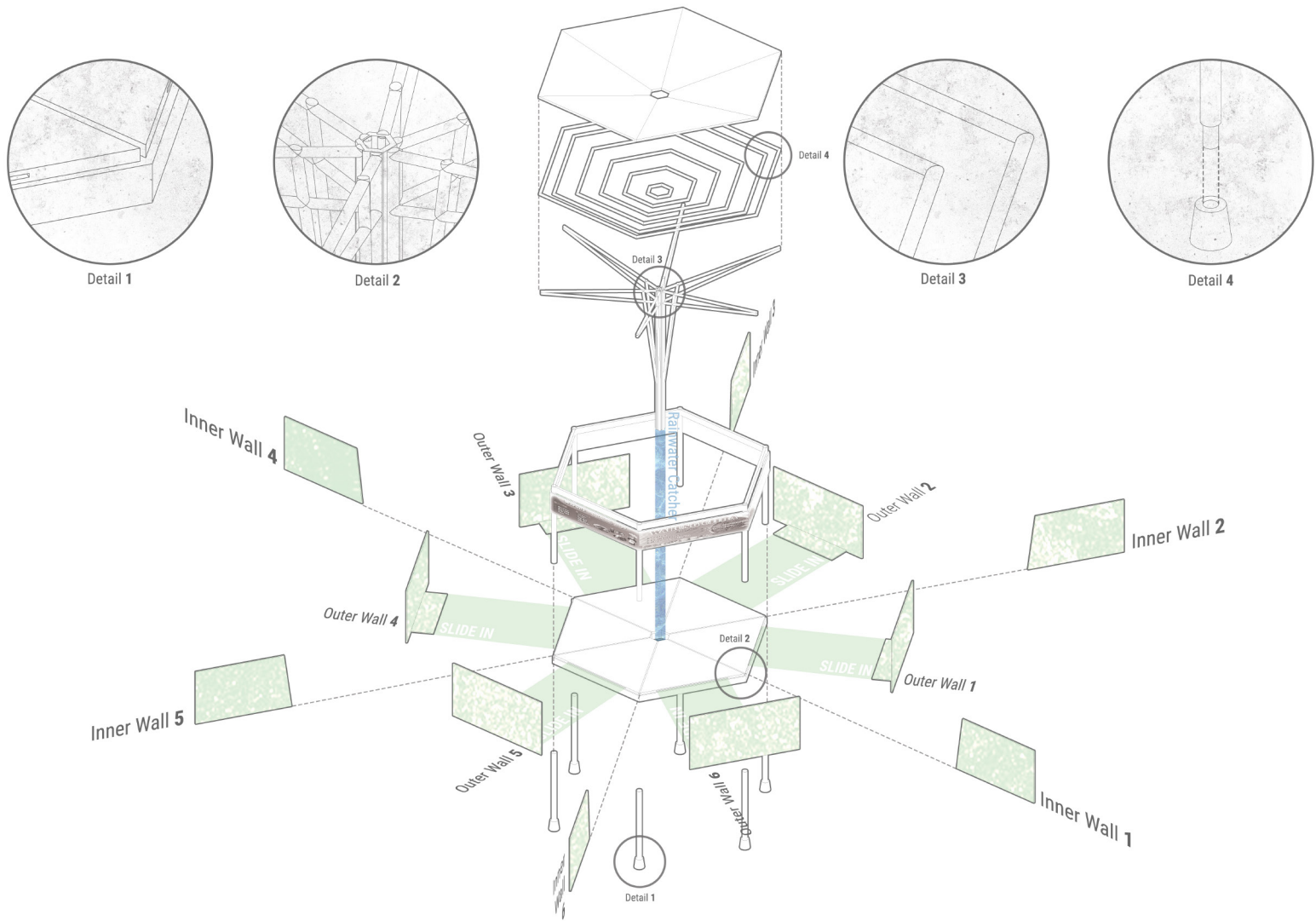
Rentable Area
42,35 square meter
8,47 square meter



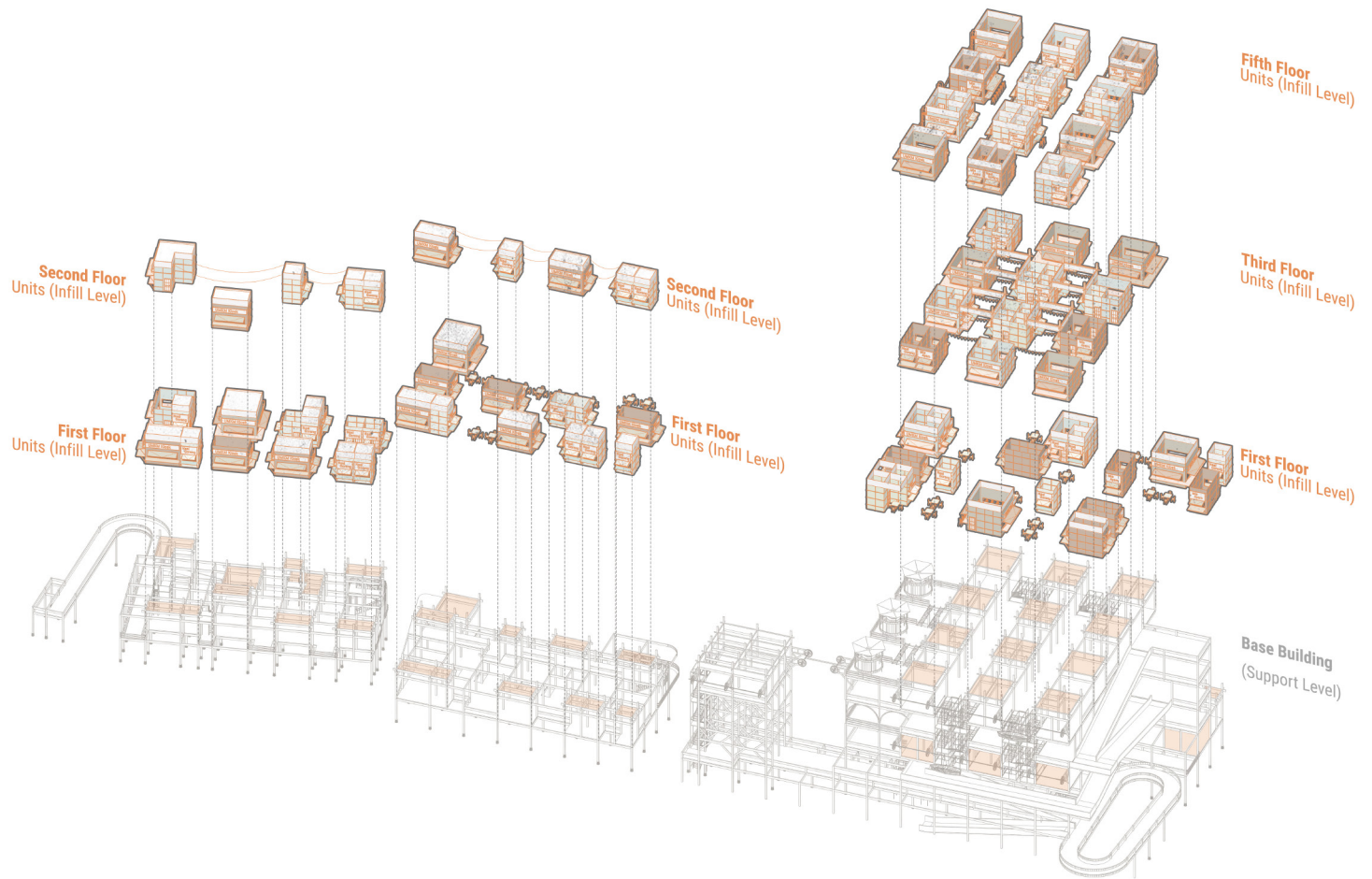
Scenario 4

Rentable Area
33,88 square meter
8,47 square meter
8,47 square meter

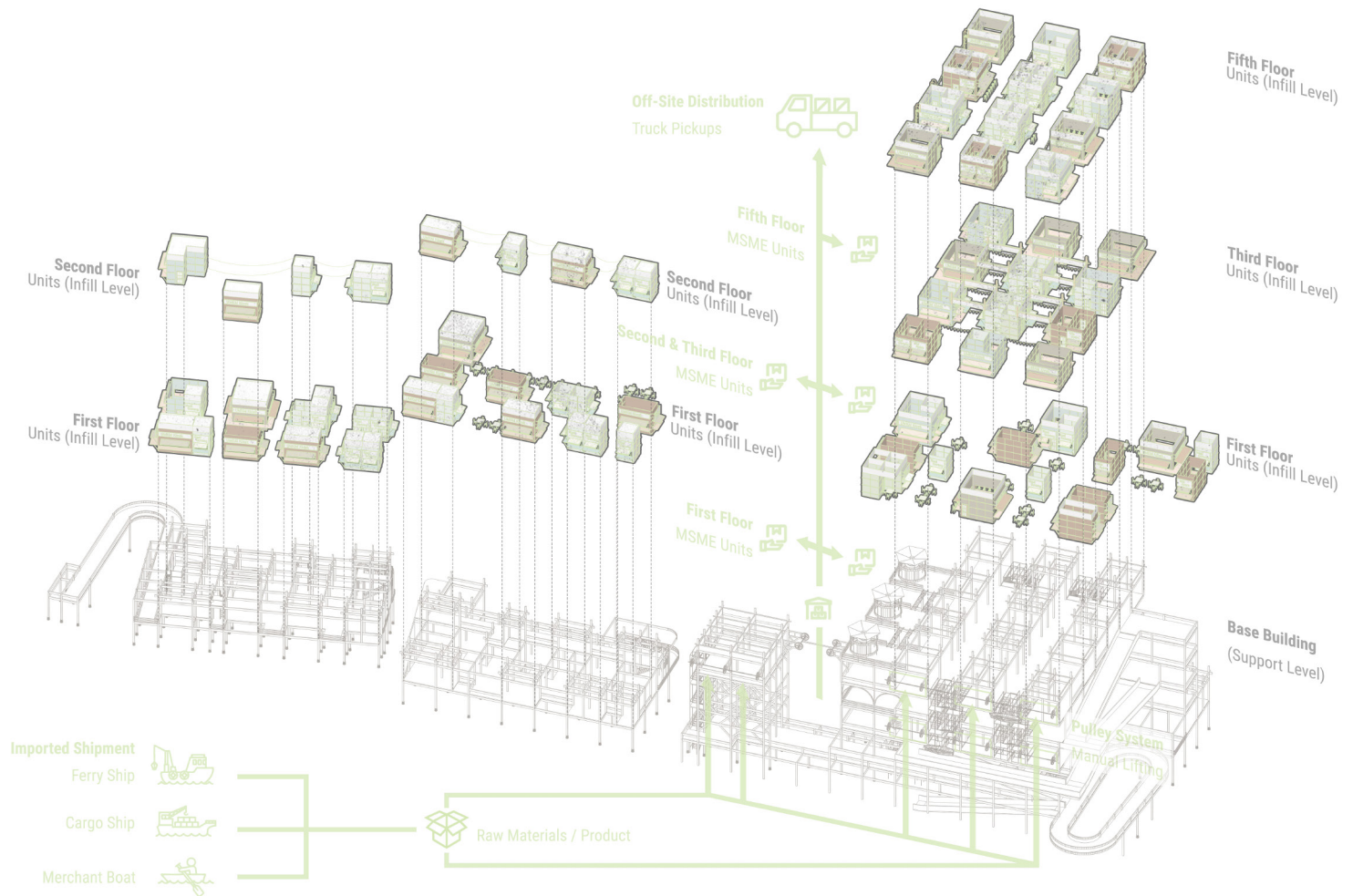
Rentable Module Units



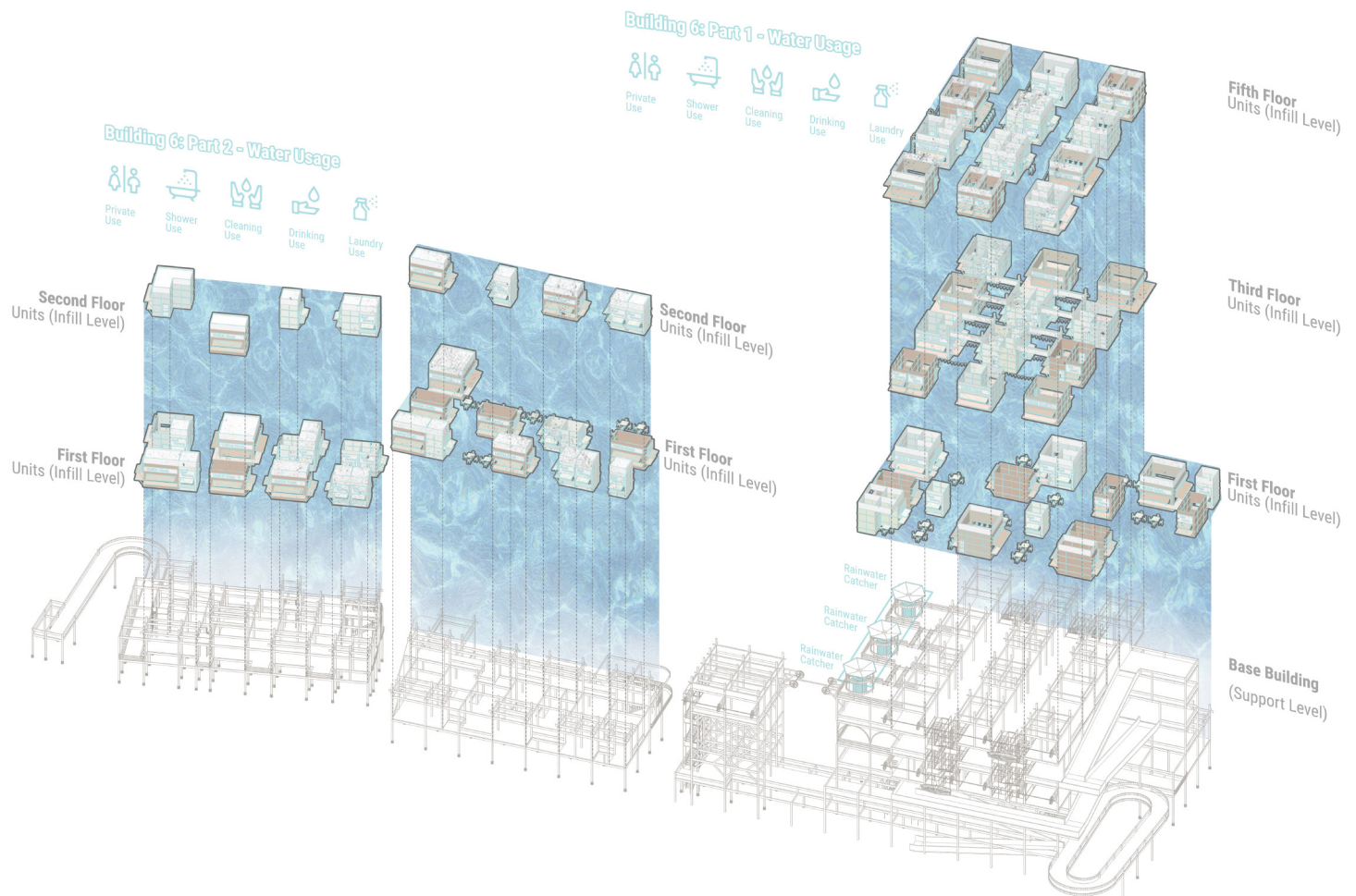
Module Set - Structure Detail



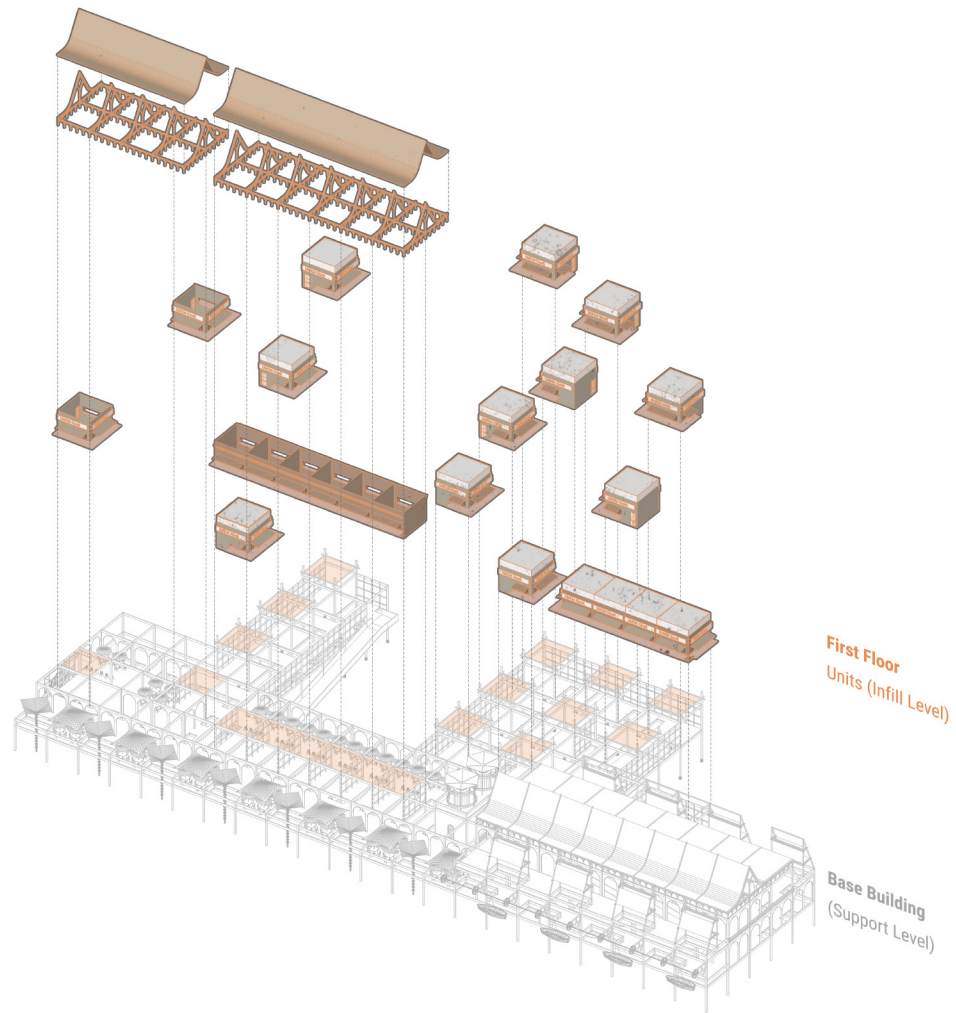
Module Scheme - Building 6: Part 1&2



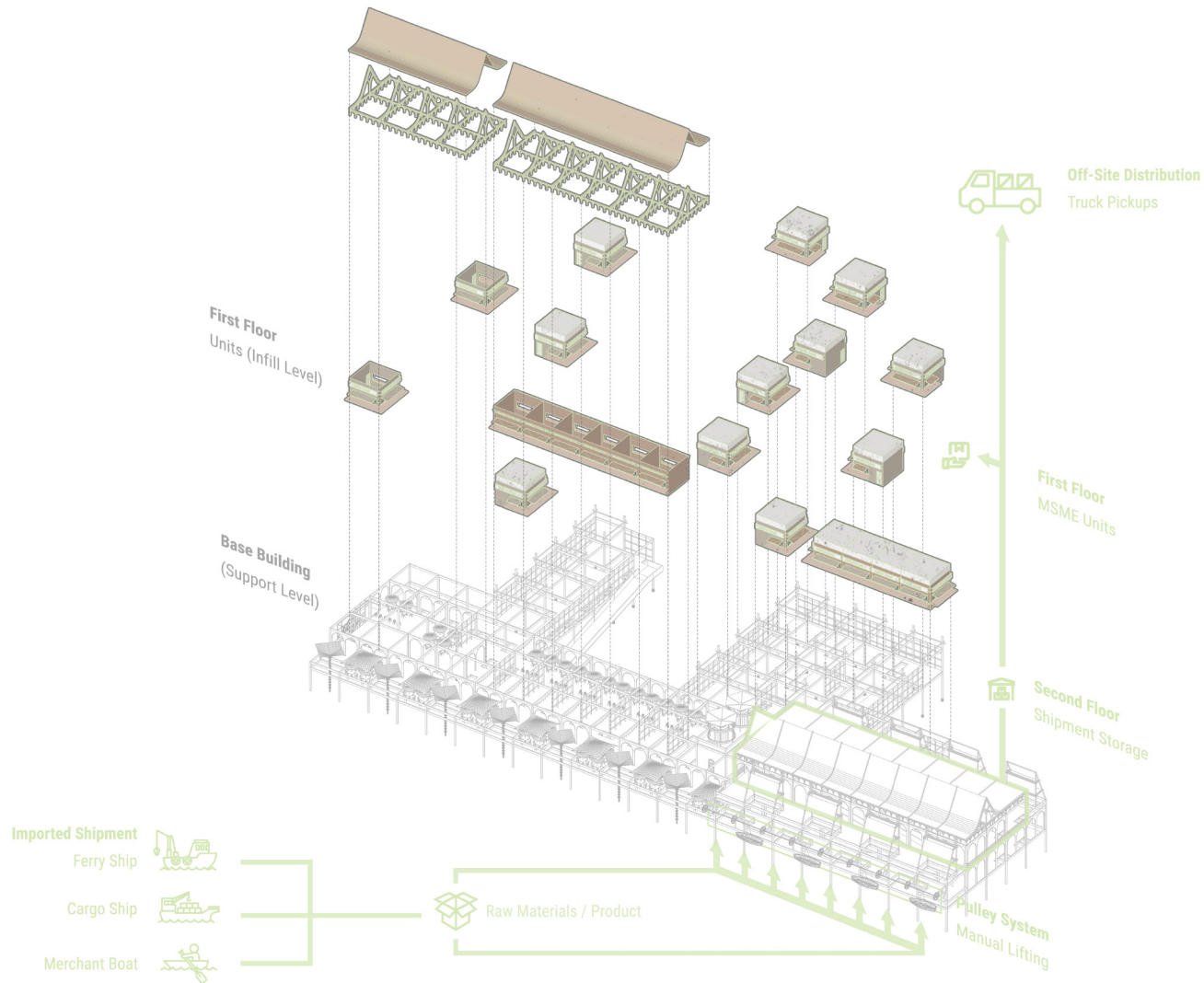
Product Shipment Distribution Scheme - Building 6: Part 1&2



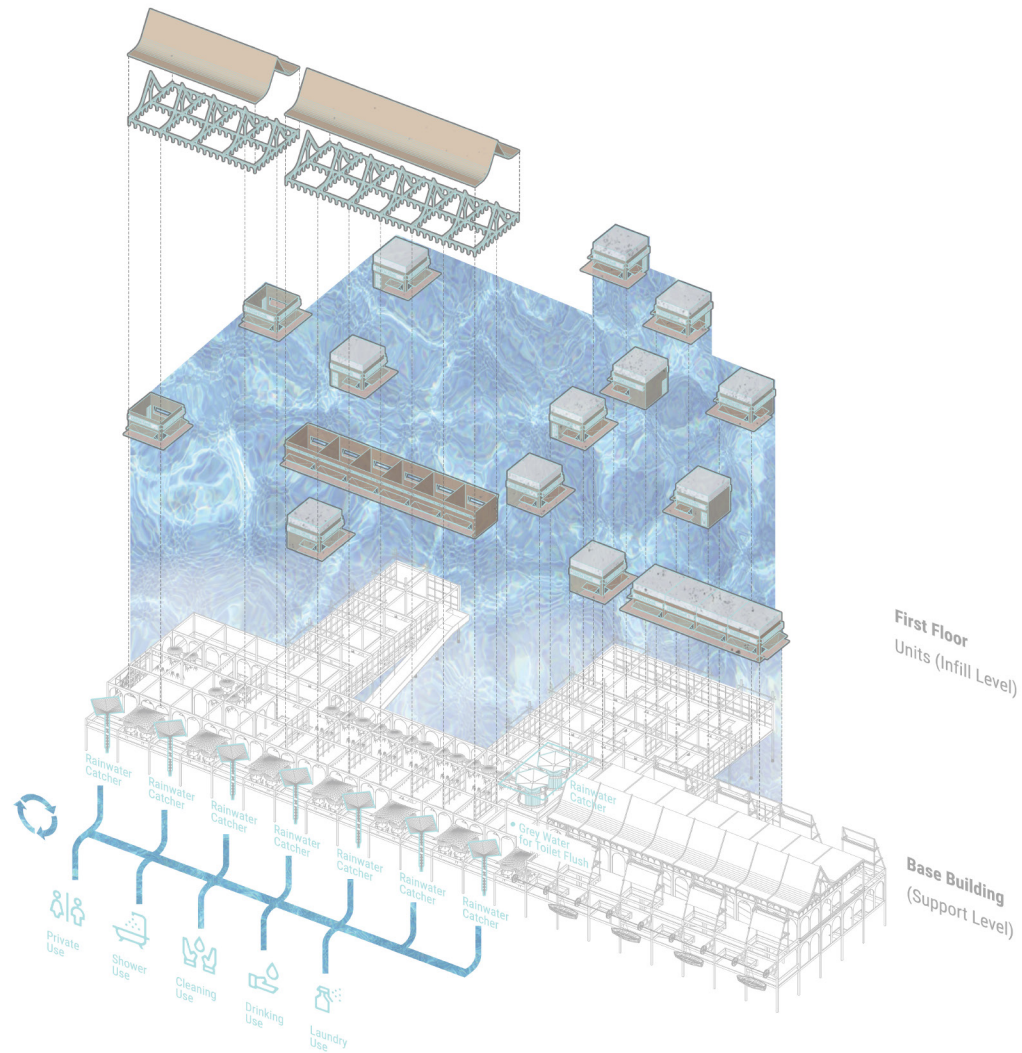
Water System Scheme - Building 6: Part 1&2



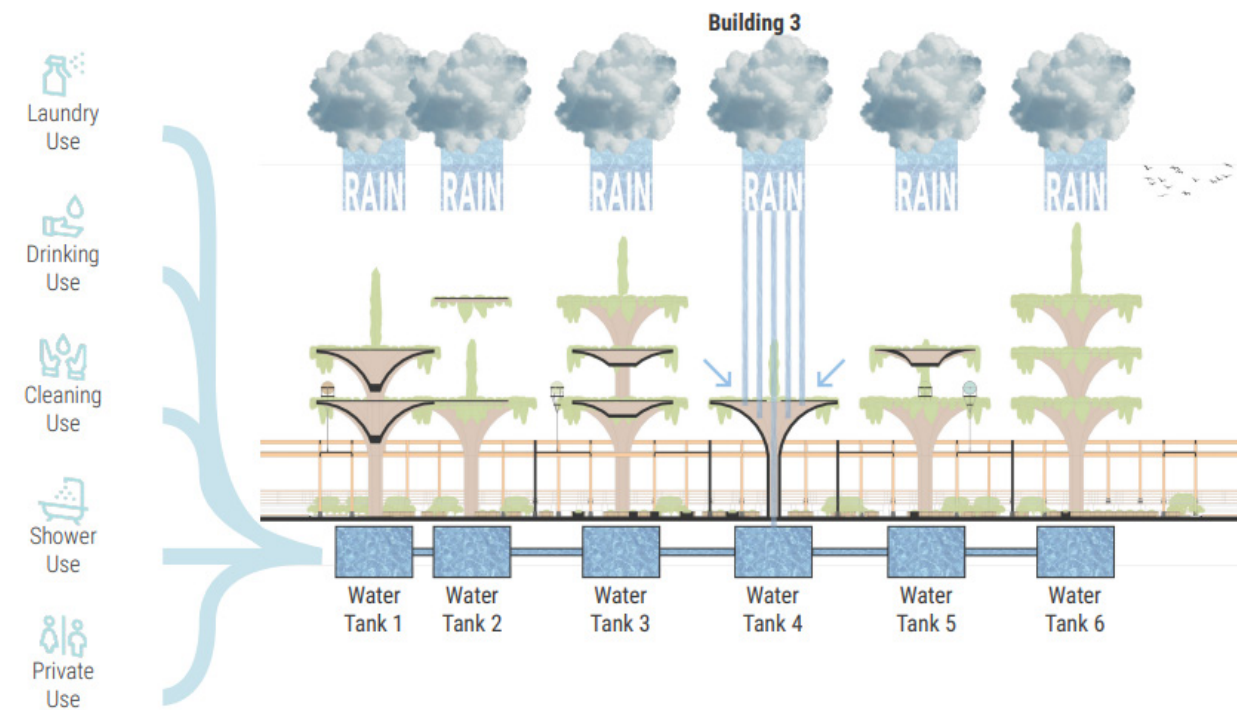
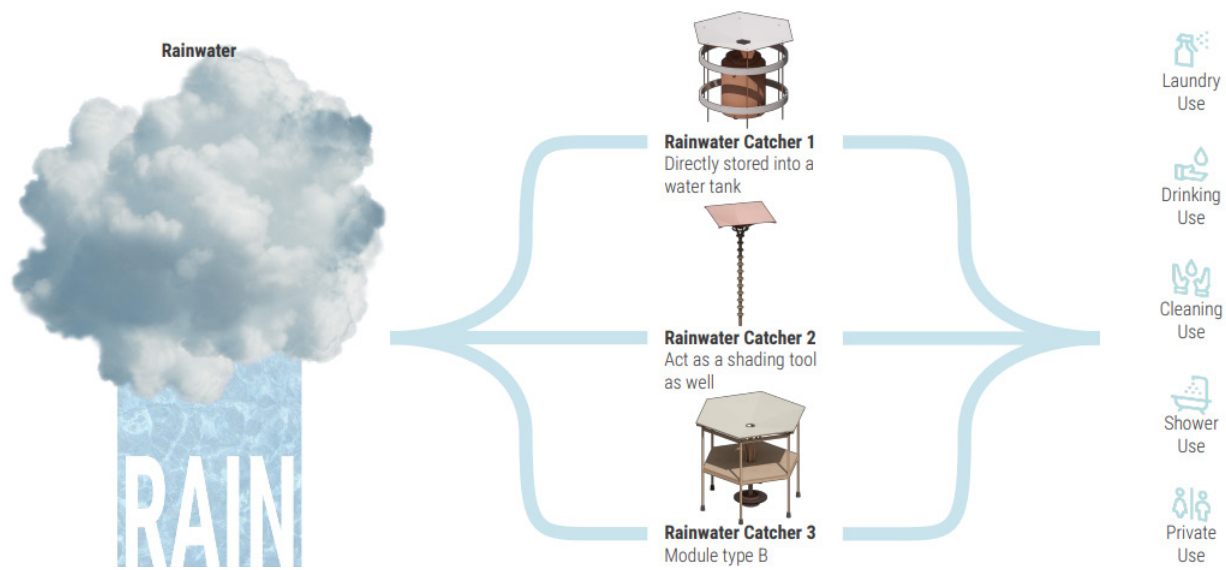
Module Scheme - Building 1: Part 1&2



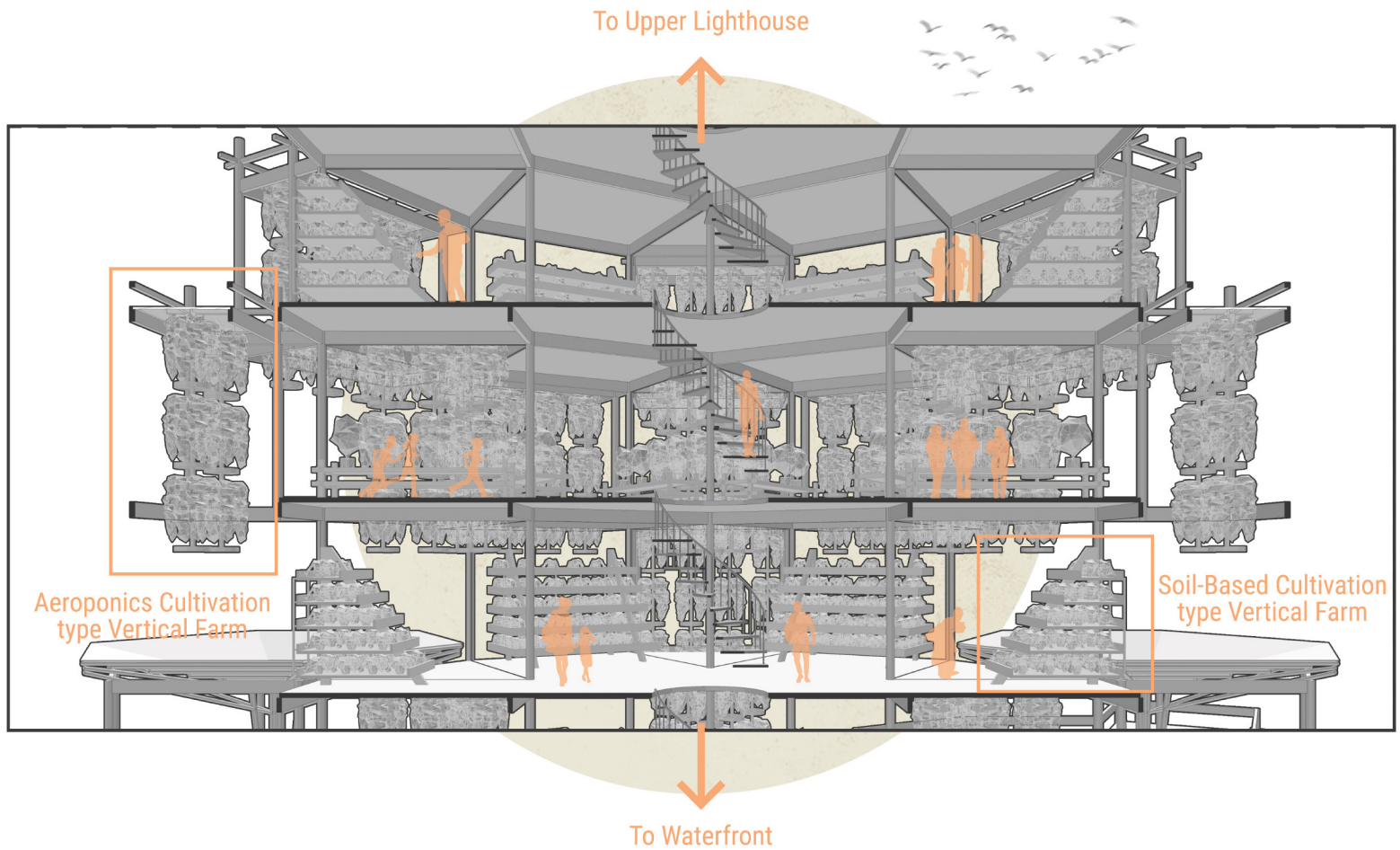
Product Shipment Distribution Scheme - Building 1: Part 1&2



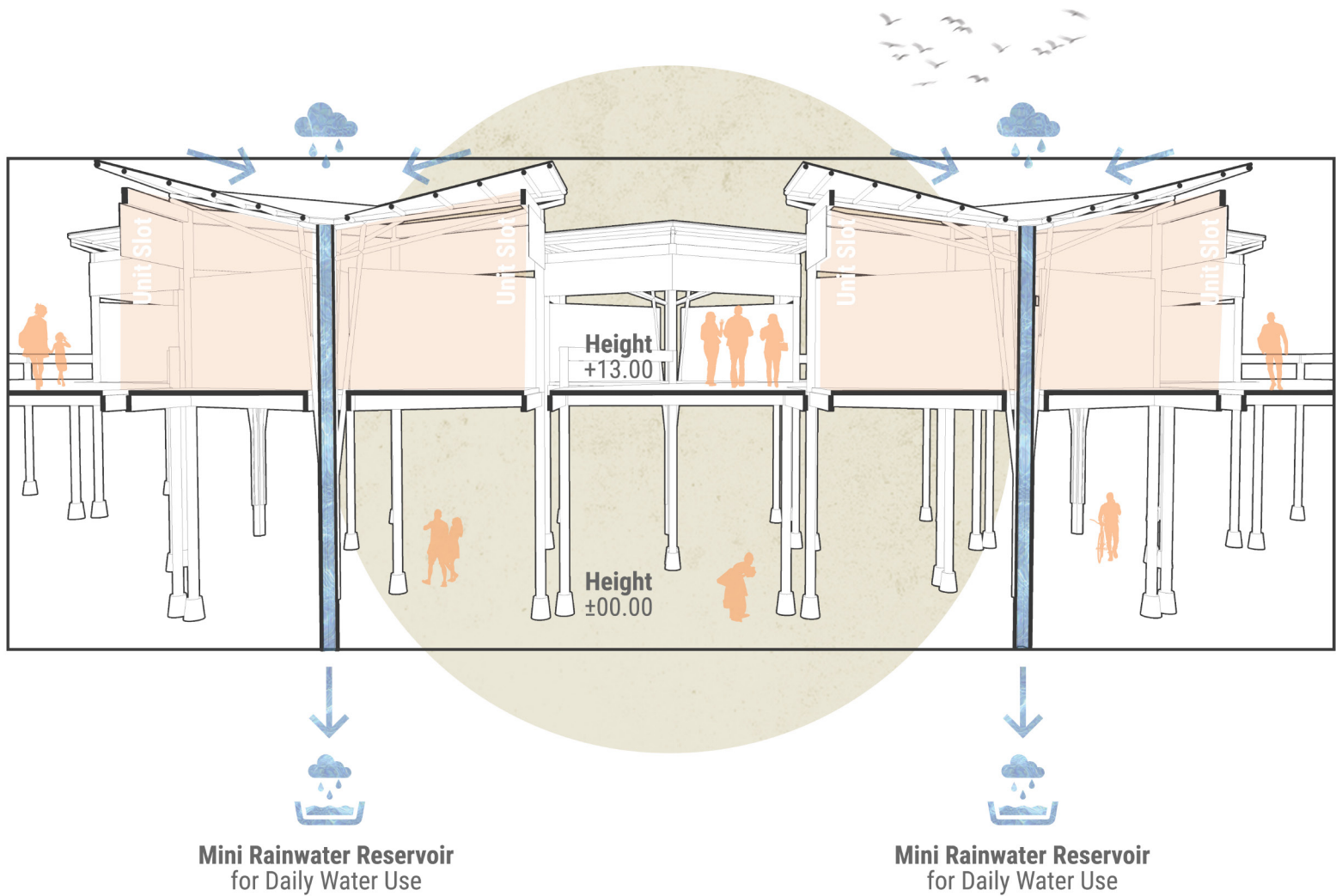
Water System Scheme - Building 1: Part 1&2



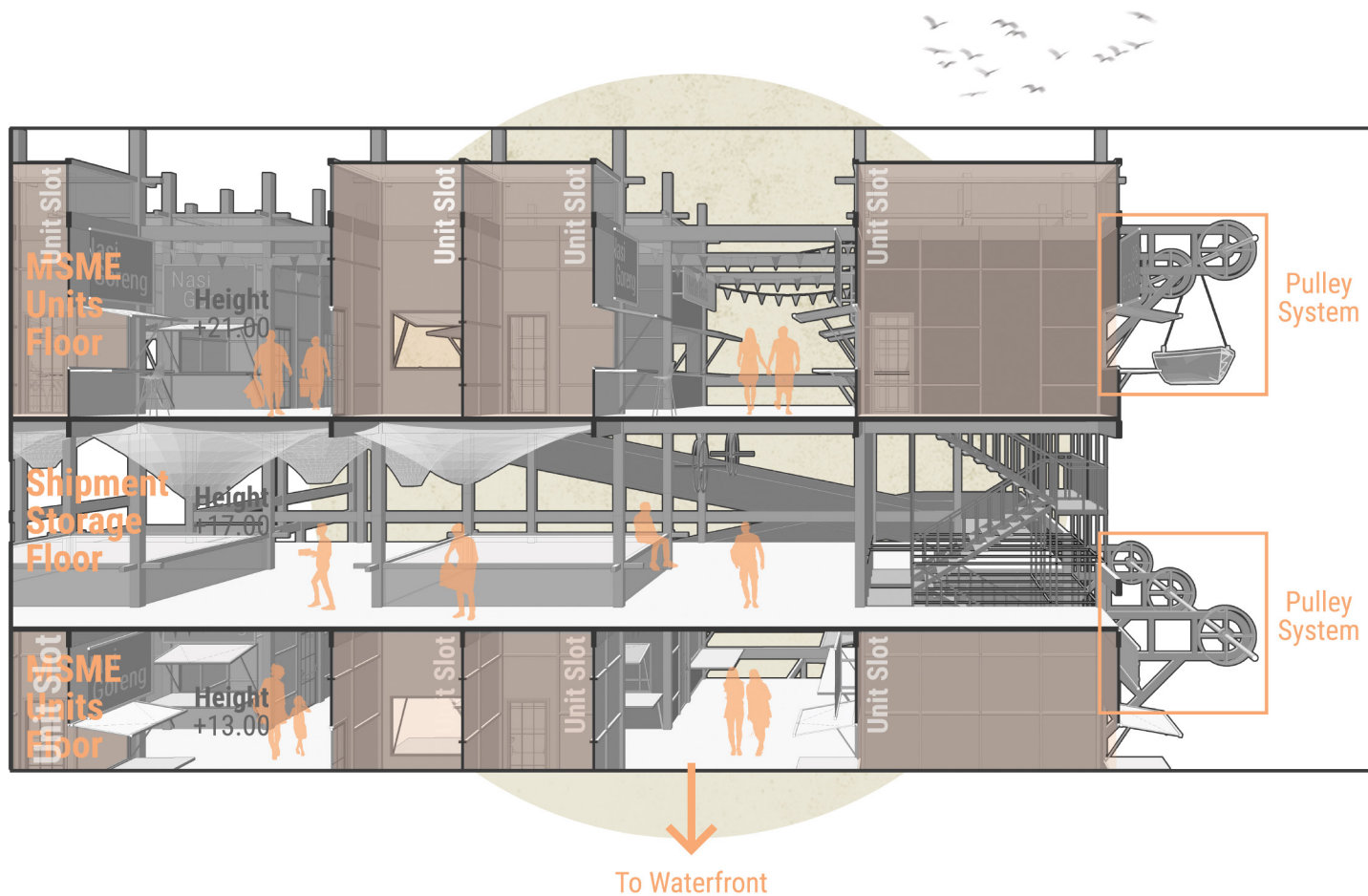
Rainwater Catcher Scheme



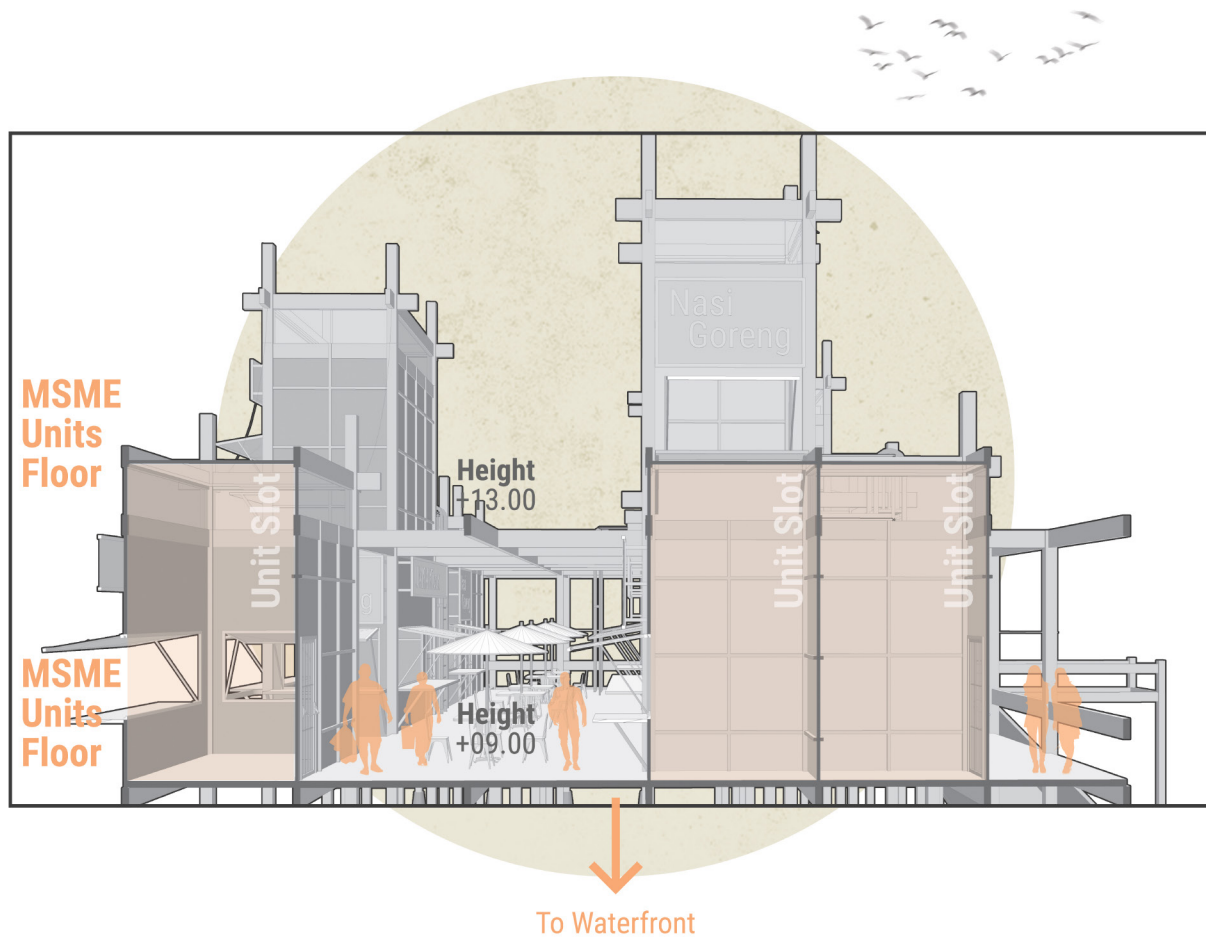
Building 2: Part 1 - Envelope Detail



Building 2: Part 2 - Envelope Detail



Building 6: Part 1 - Envelope Detail

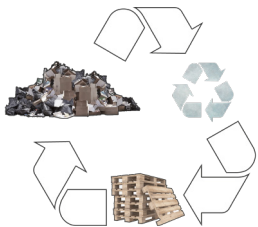


Building 6: Part 2 - Envelope Detail



North Recycled Park
Axonometric

Surprisingly, the settlements in Pontianak Waterfront is able to be perceived as slums. This is due to the high level of area density along with the activities that are occurred around the area. The poor waste management caused the excess waste from food production and consumption leads to heaps clumps of trash, including plastics. Even though this matter is overlooked, these wastes is able to be seen even from the waterfront itself, making the visitors perceive bad notion to the locals. Not only that, in several parts of the waterfront are odor-polluted due to the wastes. Furthermore, with the high density and closely-placed houses, especially houses with panggung foundation, the under hollow foundation is the perfect spot for wastes to get together.



Slum Waste

Waste from local neighborhood disposal and human disposal

Recycle Process

Waste from local neighborhood and human disposal are recycled to be rebuild as wooden palettes

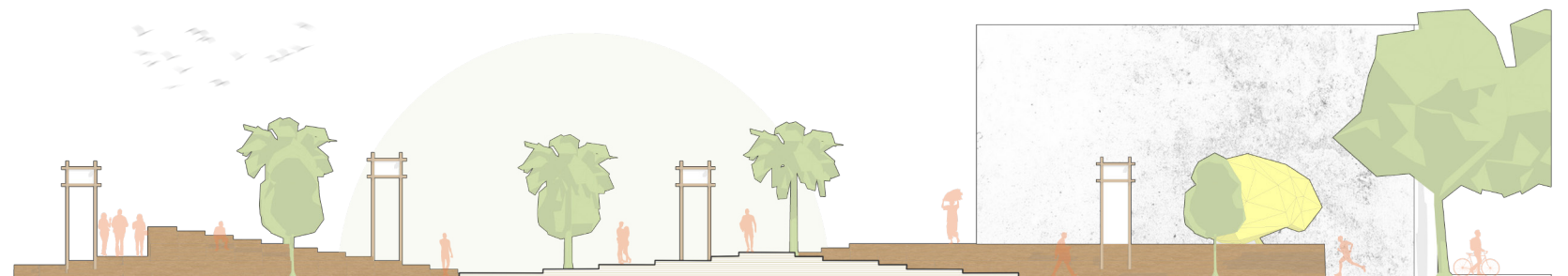
Wooden Palette

Slum waste is recycled into wooden palette to be used as the park platform



North Recycled Park

North Recycled Park is the northern recycled park that is integrated with the waterfront and Building One on the ground floor. The park itself have seven entrances with two of them are connected to the site, which are Building One and the Pontianak Waterfront. The park is surrounded by various use of buildings, such as retail stores, bank, hotel or motel, and Senghie Port across the Barito Road.

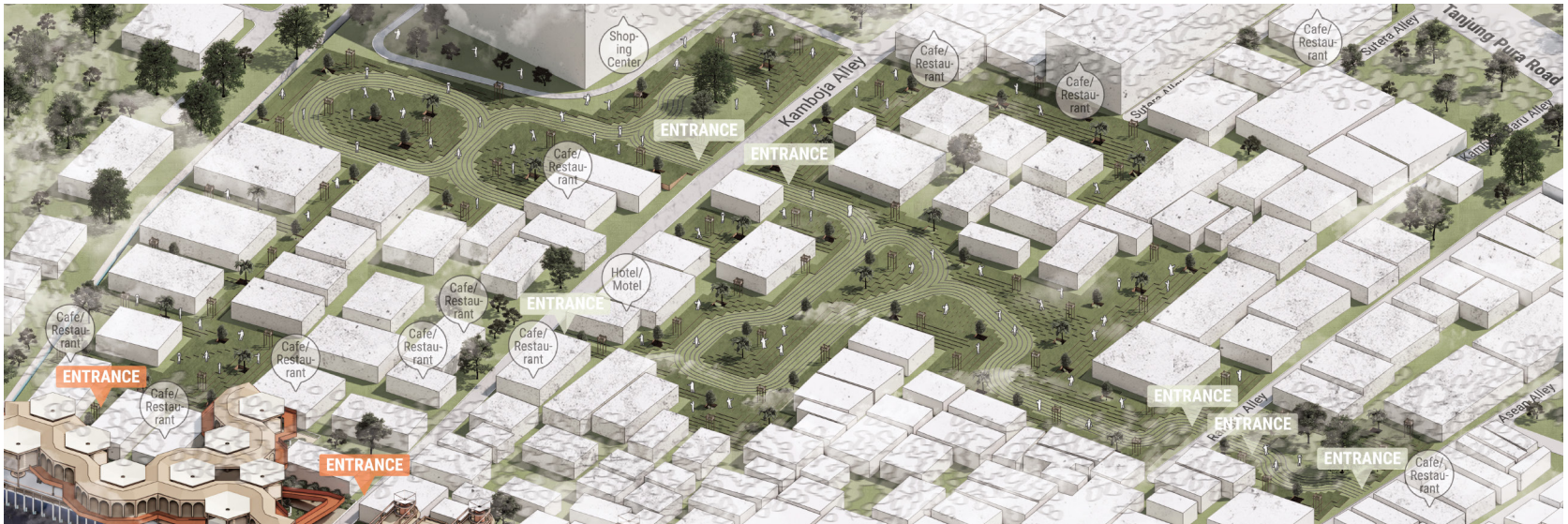


North Recycled Park
Section

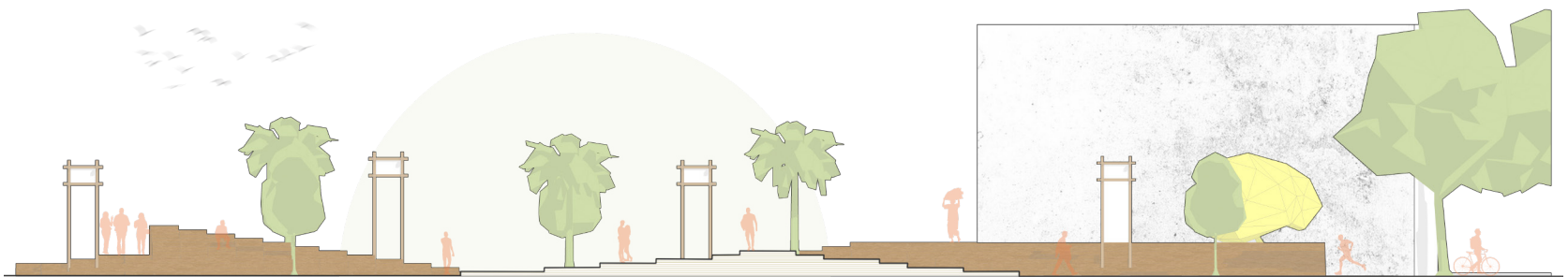
North Recycled Park

South Recycled Park

South Recycled Park is the southern recycled park that is integrated with the waterfront and Building Eight on the ground floor. The park itself have eight entrances with two of them are connected to the site, which are Building Eight and the Pontianak Waterfront. The park is surrounded by various use of buildings with mostly cafe and restaurant, the other being hotel and motel, and Ramayana Shopping Center.

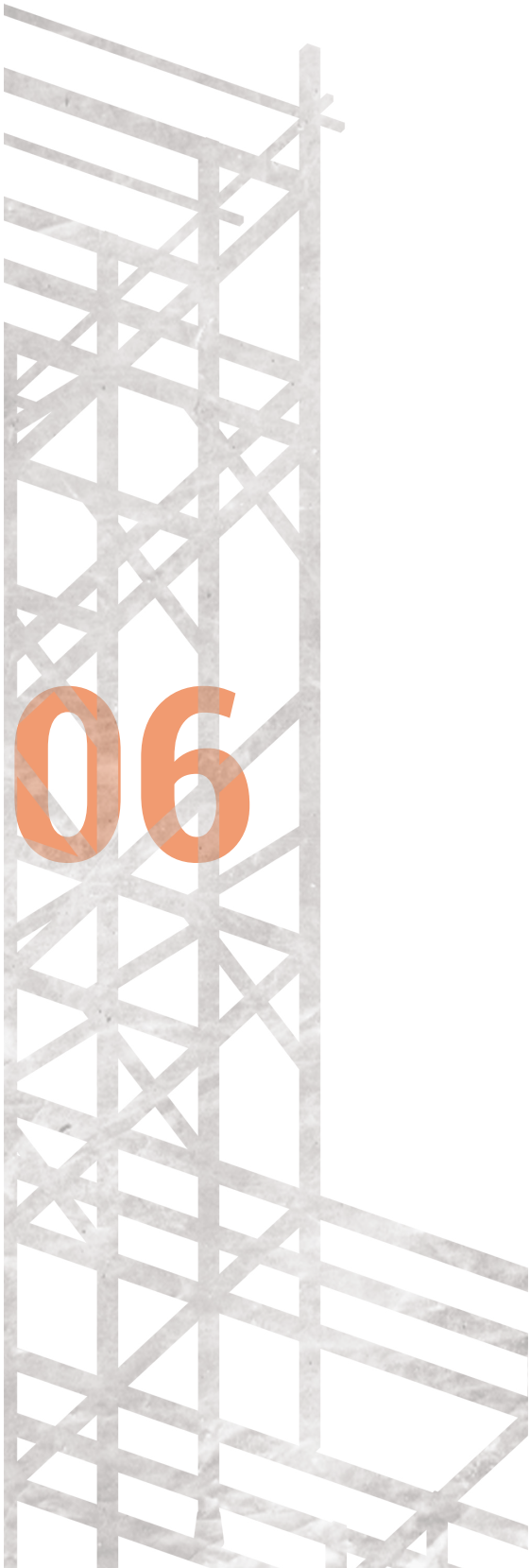


South Recycled Park
Axonometric



South Recycled Park
Section

South Recycled Park



06



Jury Feedback and Response

6.1 Jury 1 Feedback and Response: Wiryono Raharjo, Ir., M.Arch., Ph.D.

6.2 Jury 2 Feedback and Response: Revianto Budi Santosa, Dr., Ir., M.Arch. IAI.

6.1 Jury 1 Feedback and Response: Wiryono Raharjo, Ir., M.Arch., Ph.D.
Response to Rainwater and Possible Flood

Rainwater on the Waterfront Pontianak area is responded by constructing permeable structures (Building 3) and integrating several infrastructures that contributes to the water recycle scheme (Mini Rainwater Reservoir attached to Module Type B, Rainwater Catcher 1 (Water Tank), and Rainwater Catcher 2 (Tensile)). Furthermore, the application of “second layer” is responsive to the flood in case the ground level of 0 m is flooded and the ground level of 1m is flooded as well, which is the waterfront itself. For more details please kindly look at page 206, 209, 210, and 212.

6.2 Jury 2 Feedback and Response: Revianto Budi Santosa, Dr., Ir., M.Arch., IAI.
Response to Shipment Distribution

Shipment distribution is mainly distributed from Kapuas River (water transport) to the building and waterfront (land transport) by pulley system to be delivered to upper floors. Furthermore, the goods are “filtered” and managed on Building 5 and Building 6 on Second and Fourth floor by both parties: enterprises who rent the space and individuals who work exclusively for the shipment sortation and management. This way the desired outcome of the goods is able to be met much easily. The products then is able to be distributed to the city by truck, delivered from the upper floor to the lower floor easily by pulley system, reducing the energy needed to distribute and reduce the risk of work danger. For more details please kindly look at page 119, 123, 124, 205, 208, and 213.



Attachments



Direktorat Perpustakaan Universitas Islam Indonesia
Gedung Moh. Hatta
Jl. Kaliurang Km 14,5 Yogyakarta 55584
T. (0274) 898444 ext.2301
F. (0274) 898444 psw.2091
E. perpustakaan@uii.ac.id
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SURAT KETERANGAN HASIL CEK PLAGIASI

Nomor: 1866391114/Perpus./10/Dir.Perpus/IV/2022

Bismillaahirrahmaanirrahiim

Assalamualaikum Wr. Wb.

Dengan ini, menerangkan Bahwa:

Nama : MUHAMMAD DAFFA FADHIL UTAMA
Nomor Mahasiswa : 18512195
Pembimbing : DR.Ing Ir. Ilya Fadjar Maharika M.A, IAI
Fakultas / Prodi : Teknik Sipil dan Perencanaan/ Arsitektur
Judul Karya Ilmiah : Designing Riverside Communal Hub Space Accommodation for
Micro, Small, and Medium Enterprises in Pontianak Waterfront Area

Karya ilmiah yang bersangkutan di atas telah melalui proses cek plagiasi menggunakan **Turnitin** dengan hasil kemiripan (*similarity*) sebesar **5 (Lima) %**.

Demikian Surat Keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Wassalamualaikum Wr. Wb.

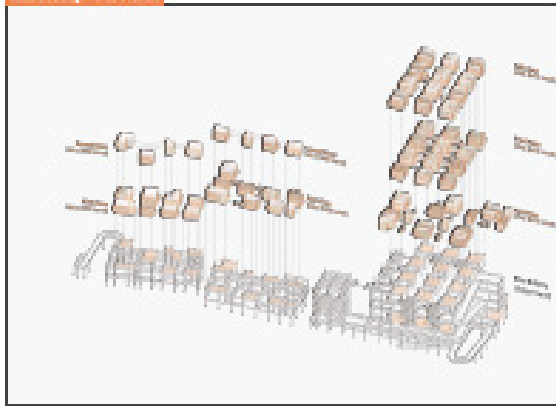
Yogyakarta, 7/4/2022

Direktur

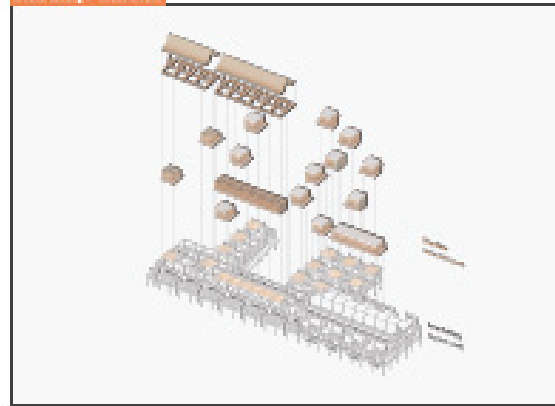


Joko S. Prianto, SIP., M.Hum

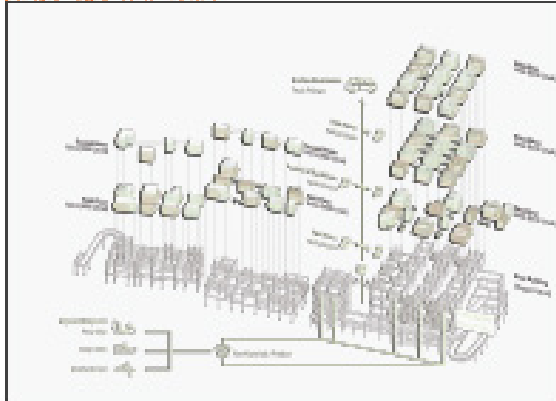
Exterior Elevation 01 - Rainy Season



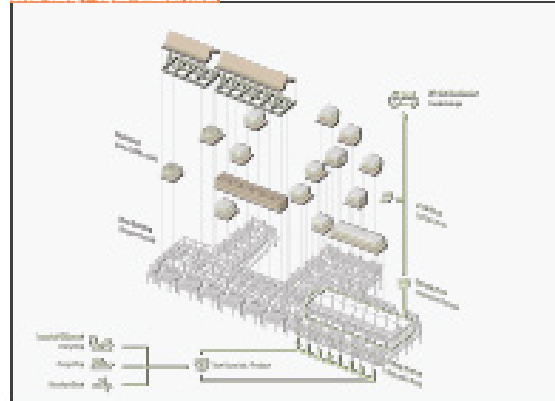
Exterior Elevation 01 - Rainy Season



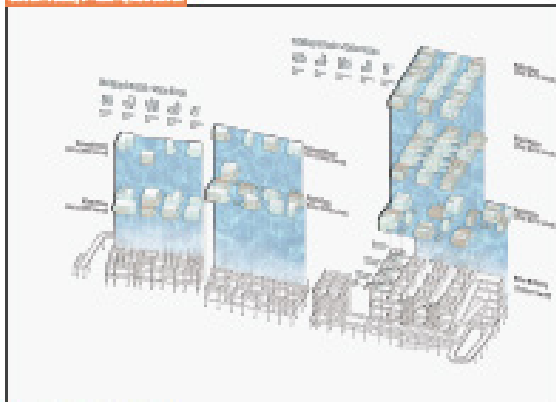
Exterior Elevation 02 - Rainy Season



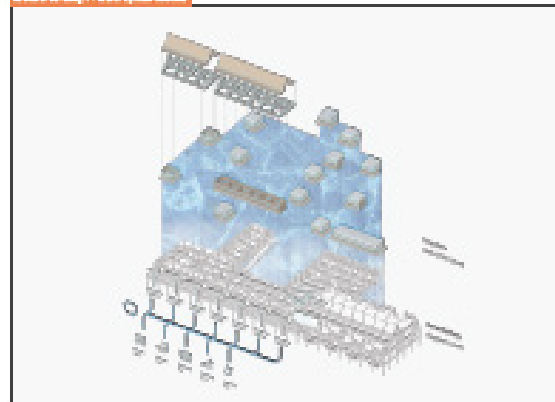
Exterior Elevation 02 - Rainy Season



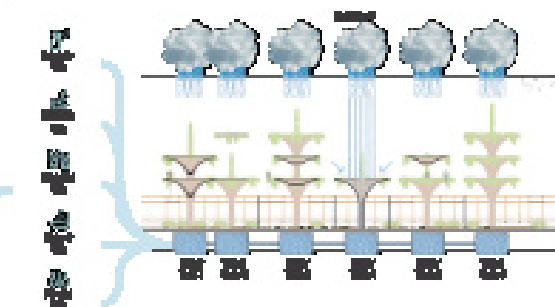
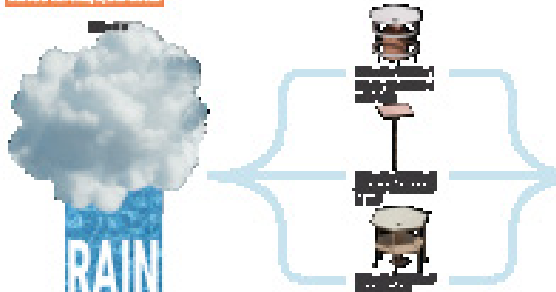
Exterior Elevation 03 - Rainy Season

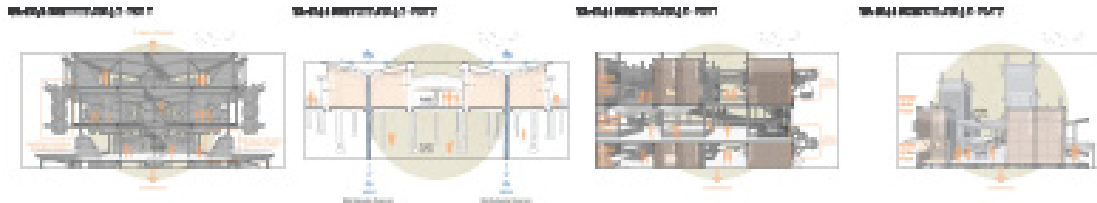


Exterior Elevation 03 - Rainy Season



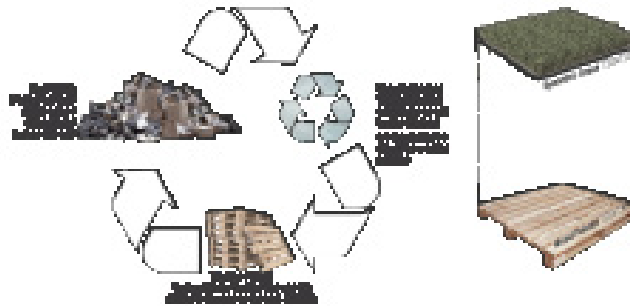
Exterior Elevation 04 - Rainy Season





Concept 01: Sustainable Urban Design

The concept of sustainable urban design is a holistic approach to urban planning and development that seeks to create a more resilient, equitable, and livable city. It encompasses a wide range of factors, including environmental, social, and economic sustainability. The goal is to create a city that can meet the needs of the present without compromising the ability of future generations to meet their own needs.



Concept 02: Active People (Health & Well-being)



The concept of active people (health & well-being) is a key component of sustainable urban design. It focuses on creating a city that encourages physical activity and promotes mental and emotional well-being. This can be achieved through a variety of means, including providing safe and accessible walking and cycling paths, creating green spaces and parks, and designing buildings and public spaces that are inviting and comfortable.



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