



# FOUR FOR REST

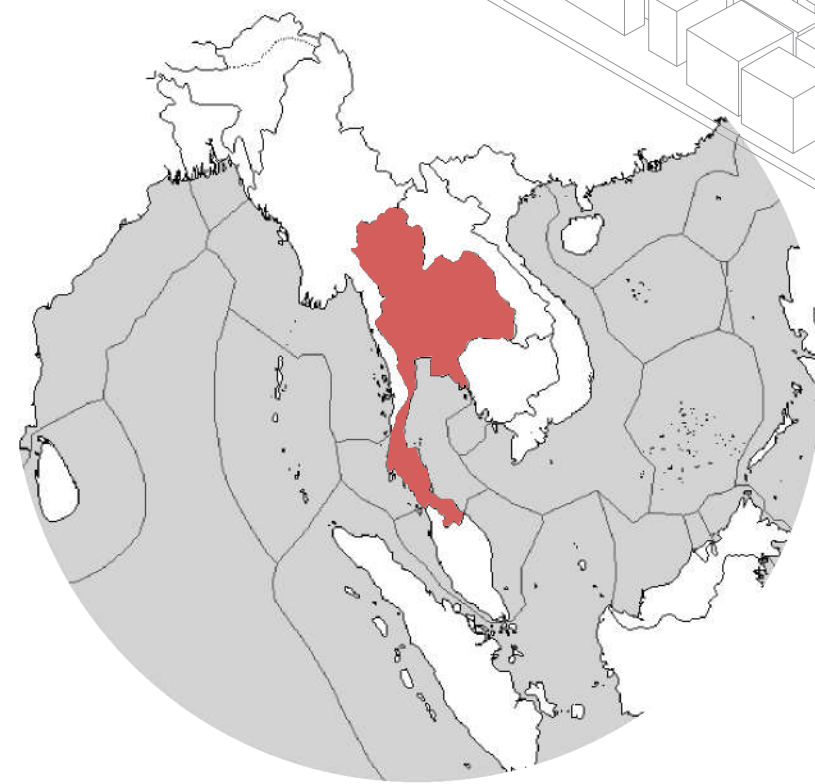
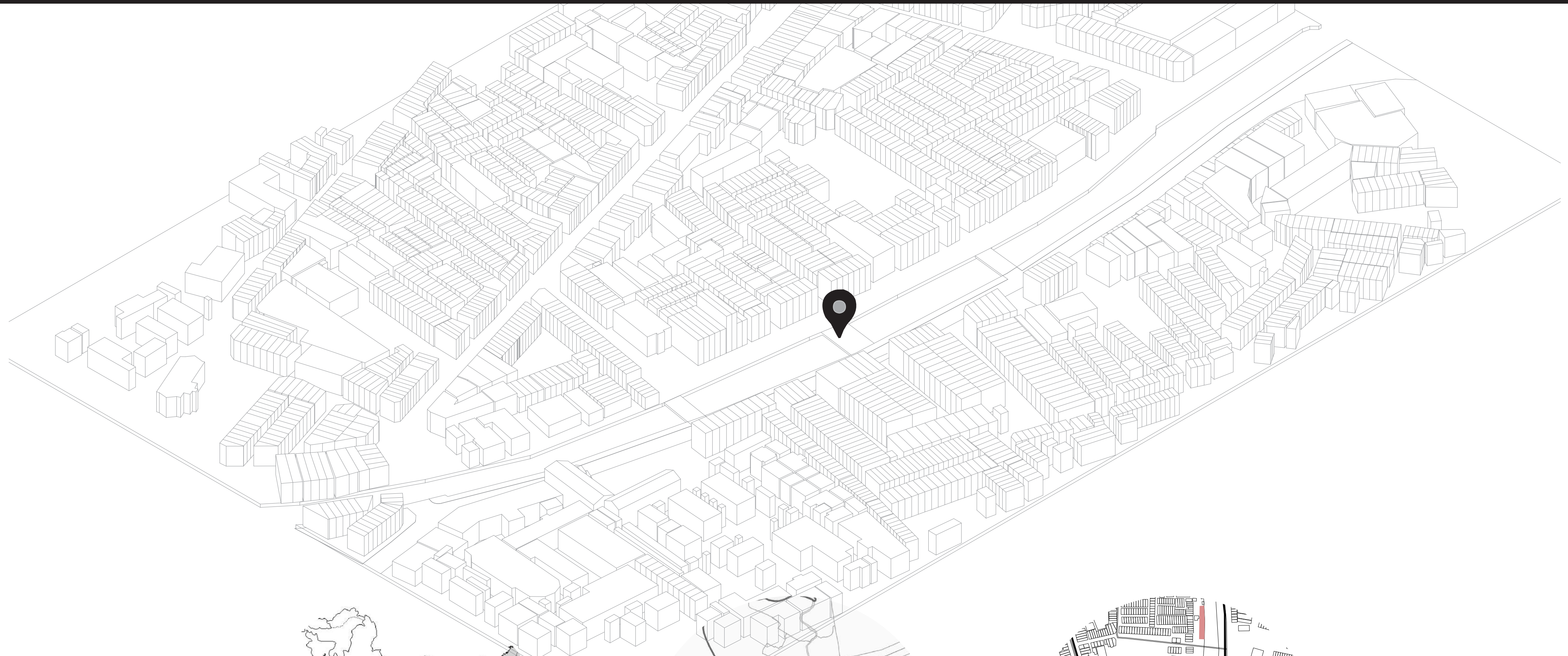
TALAD NOI CANEL PARK



## PROJECT BACKGROUND



# SITE LOCATION



Thailand



Bangkok  
Samphanthawong



Talad noi  
Charoen Krung Rd, Khwaeng Talat Noi,  
Khet Samphanthawong, Bangkok 10100



# SITE ISSUE

## SITE IDENTITY ISSUE



### UNUSED CANEL

This part of canel are unallowable for any kind of activities.



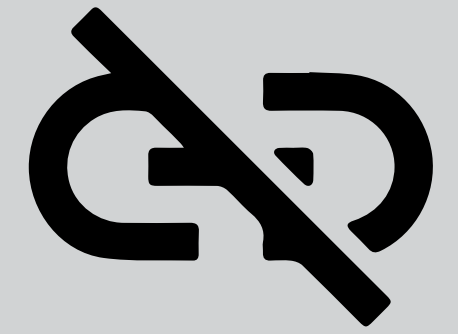
### LACK OF GREEN SPACE

Public and green space ratio are very low compared to housing and population.



### QUALITY OF SPACE

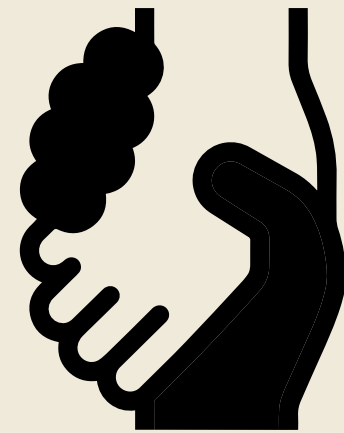
Talad noi have potential to be better place for people to live and **continue to making it better.**



### TRANSPORT HIDDEN NETWORK

Two important part of city district which is hualamphong and si phraya can be connect by good link design.

## COVID PEDEMIC IMPACT



### COMMUNITY COPERATE

During the covid-19 epidemic, there's a group of people formed to help people who need to do home isolation by giving them a meal and necessary goods.



### UNSUSE PUBLIC SPACE

Many places had been closed due to covid situation, so people were stuck in a little boxes in their apartments.



### UNEMPLOYMENT

When covid-19 directly effect to the economy, people who have a few skill are precarious of being unemployed.



### STRESSED

When covid-19 situation limits plenty of healthy activity people usually like to do, while both physical and mental problems are become inexorable.



SITE DISCOVERY

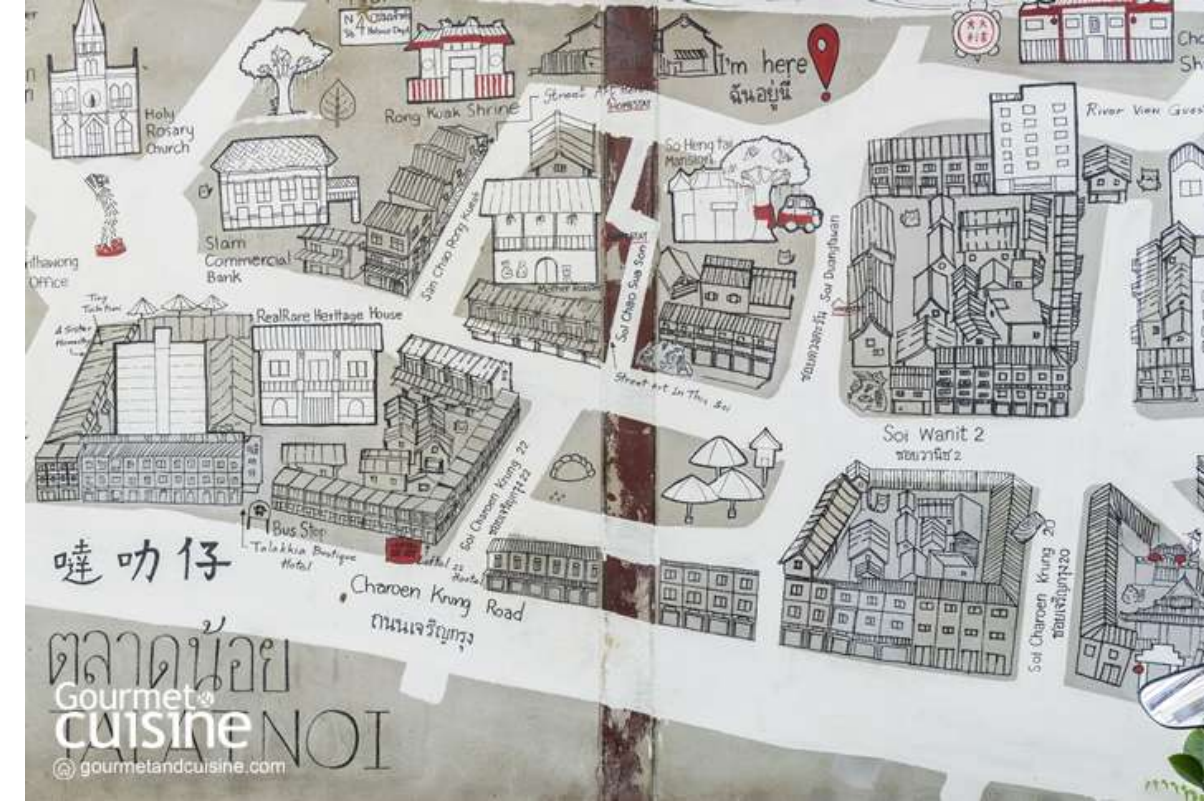


# TALAD NOI BRIEF HISTORY



2311 B.E.

Bangkok expanding from the center of the city which is the grand palace spread out widely, because Bangkok also main trading central, created variety of culture. the relationship with china brought first group of chinese before the imigrants



2352 B.E.

Because of the expanding of the city Talad noi starting to have people moving in Which mostly is imigrated chinese and create com-munity as new market that expand from samp-eng marke that closer to the Palace.



The present

Today talad noi become one of the most valuable place in bangkok in term of history and culture, many people around the world came to visit talad noi to sense old town atmosphere.



Fruit seller

Talad noi in the past also known as a wild fruit market that import fruit especially from china,



Blacksmith

Many kind of iron works for machine and vihecle are brought to renew and fix here because of local skill and distance from the center of the city



Sack weaver

Becasue Talad noi was an big trade market so the product need container and sack often use for trading process.



Wooden barreller

In the old day, one way to preserving fresh food is to keep it in wooden barrel, so there is an wooden maker in talad noi.



Chinese newspaper

Talad noi population are mostly imigrant from china so the the news are about what happend in china also wrote in chinese is very iconic.

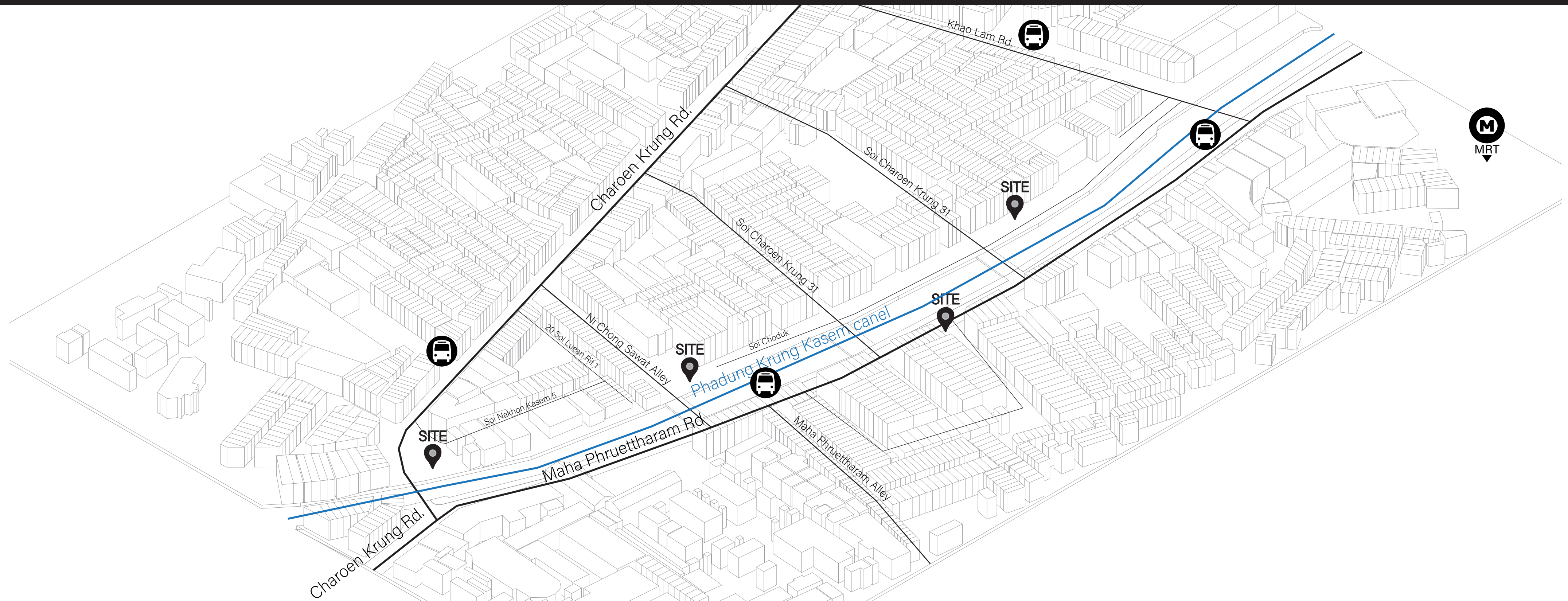


Paper works

Small product need pack-aging, There alot of people in talad noi fold paper for extra income until for living.



# SITE MOBILITY



## Water transportation

Up to the north there are Electrical public boat drove between Hua Lamphong station and Thewes but any kind water transportation are not cannot access the talad noi area because of the bottom height of the cross bridge are not reach the minimiun safety.



## Public transportation (Street)

There are 5 Bus station around the site, like wise the accessibility to bus stop at this site is facile, the the distance between bus is not more than 400 meters. To travel to the other part of bangkok, take the bus here is good and inexpensive.



## Personal transportation

Site area are difficult to find hard traffic, however, Talad noi are not proper to have personal vehicle because there are massive lacking of parking space in this area.

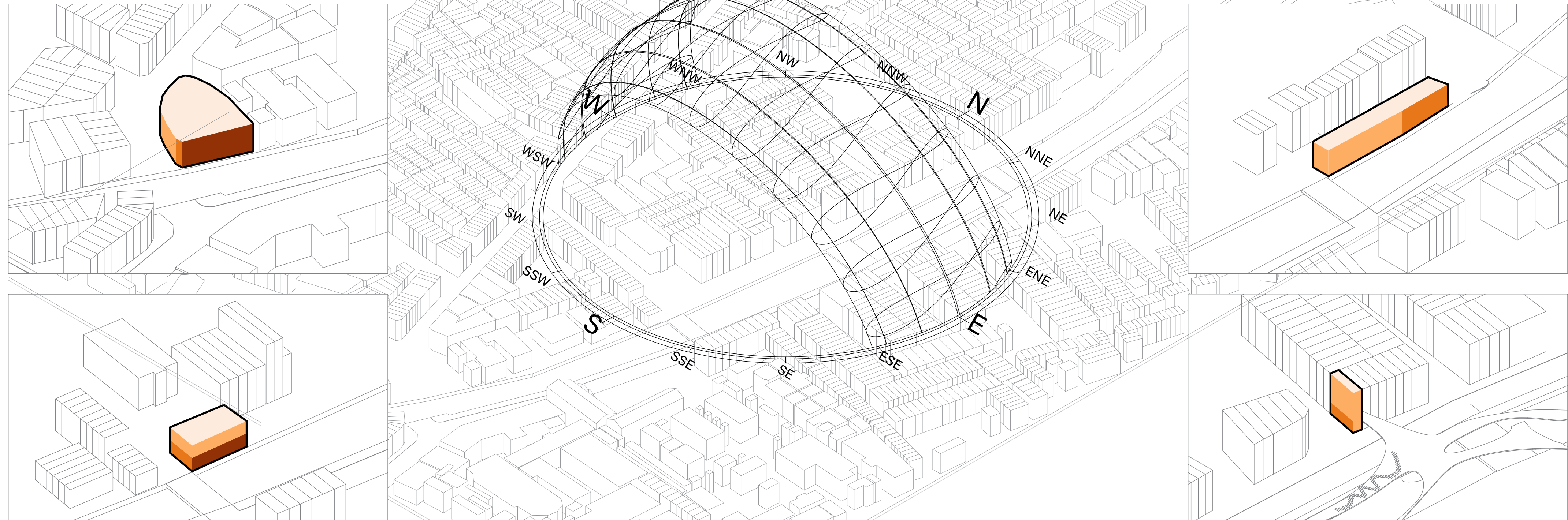


## Public transportation

There are Hua Lamphong Railway Station to travel to outside of bangkok and The Metropolitan Rapid Transit or Mrt to go to every part of the bangkok, the distance is 250 meters from the site.



# SITE ENVIRONMENTAL ANALYSIS



The South face receive most of the sun light and radiation energy during the day, this area need a facade or shading devices.

Energy receive : 1600 kWh/m<sup>2</sup>

Sun hours: 12Hr./day.

the sloped side on the South face receive most of the sun light and radiation energy during the day, this area need a facade or shading devices.

Energy receive :1400 kWh/m<sup>2</sup>

Sun hours: 11 a day.

Receive fewer light and energy than the south. this side will receive noon light so face should install light shelves to protect in direct Horizontal light.

Energy receive : 1200 kWh/m<sup>2</sup>

Sun hours: 8 Hr./day.

This north side of the building is very dark and humid It's will receive sun just only around 1 month in the summer

Energy receive : 700 kWh/m<sup>2</sup>

Sun hours: 4 a day.



# SWOT ANALYSIS



Rich mix-culture  
Old town atmosphere  
SME opportunities

S  
Strengths

Lack of green space  
Nature of canal

W  
Weaknesses

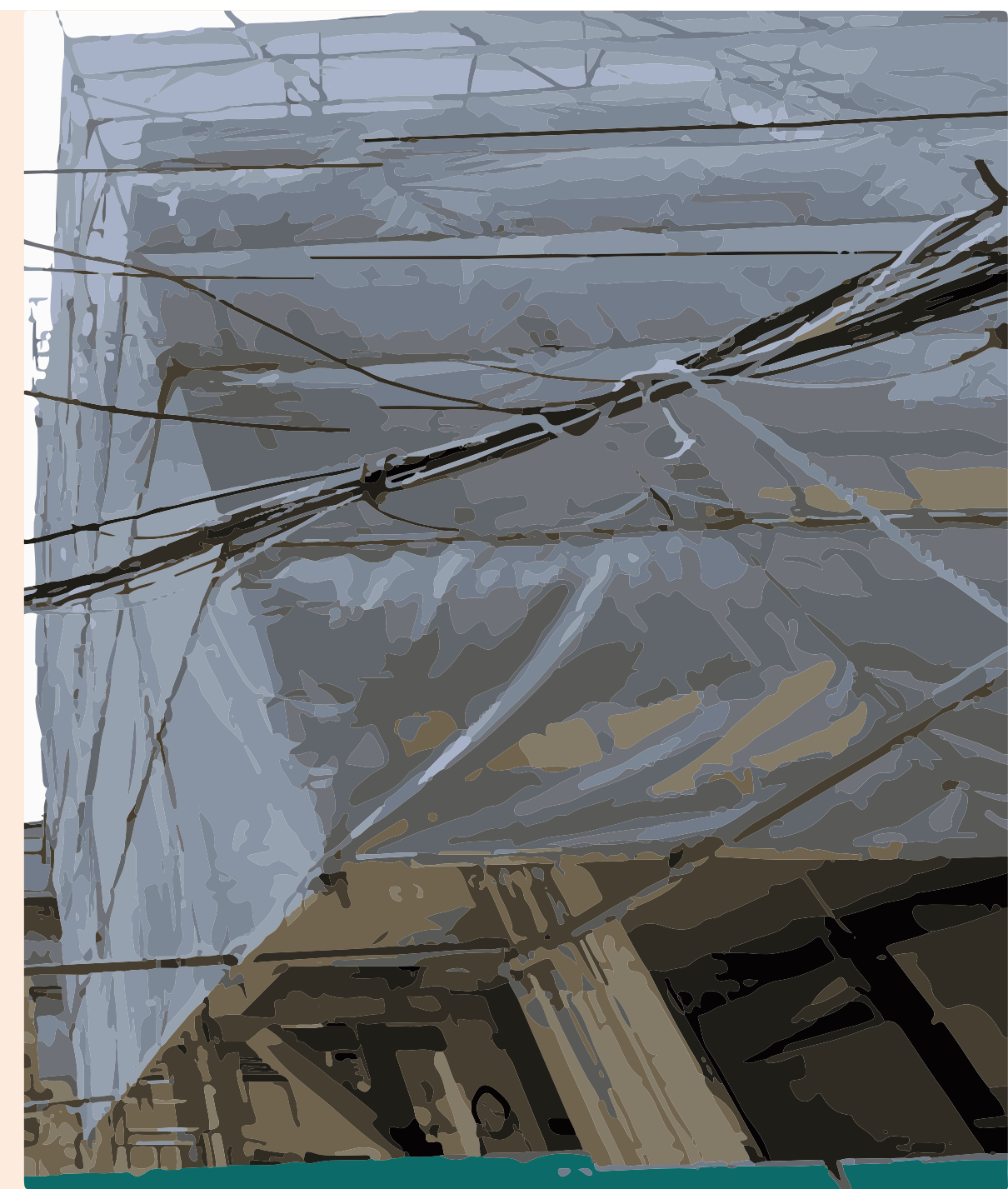


Network opportunity  
Social network

O  
Opportunities

T  
Threats

Homeless  
Gentrification





DESIGN SOLUTION

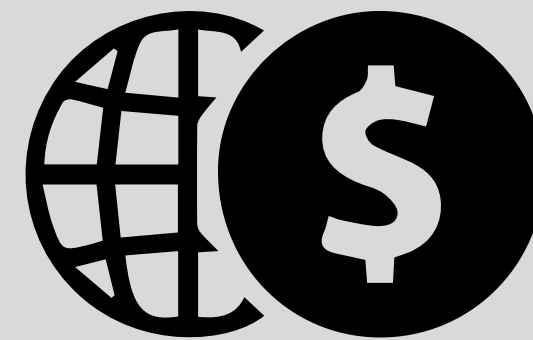


## DESIGN SOLUTION

DESIGN SOLUTION  
URBAN ENVIRONMENT



DESIGN SOLUTION  
URBAN ECONOMY



DESIGN SOLUTION  
URBAN LEARNING





# NETWORK PUBLIC PARK FOR ENVIRONMENT AND COMMUNITY

สวนสาธารณะที่เชื่อมต่อผู้คนกับธรรมชาติเพื่อสนับสนุนความรู้ด้านสิ่งแวดล้อมและเศรษฐกิจชุมชน



DESIGN SOLUTION  
URBAN ENVIRONMENT







FORREST 1

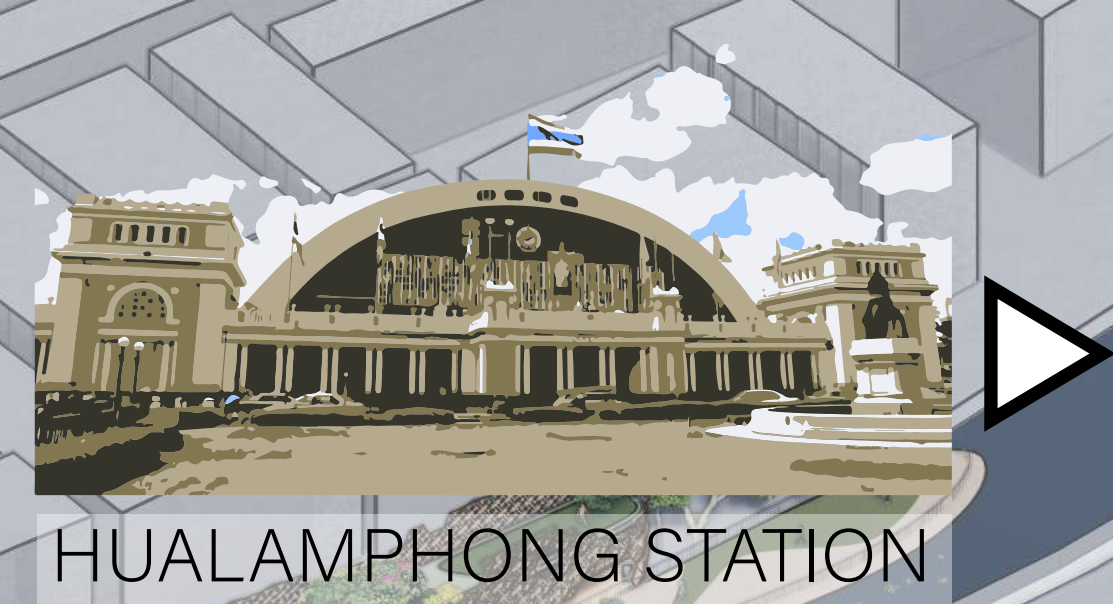
FORREST 2

CANEL PARK

FORREST 3

FORREST 4





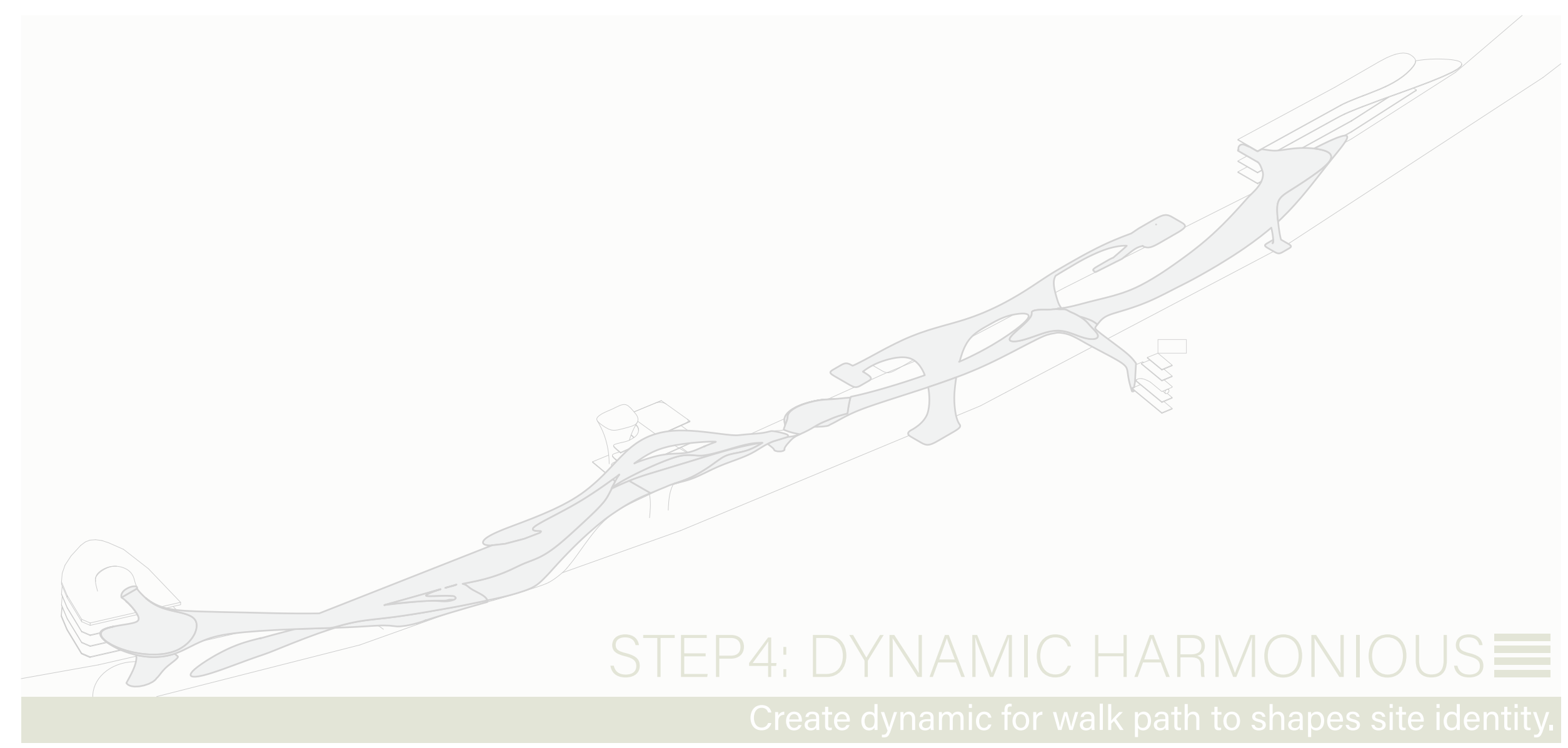
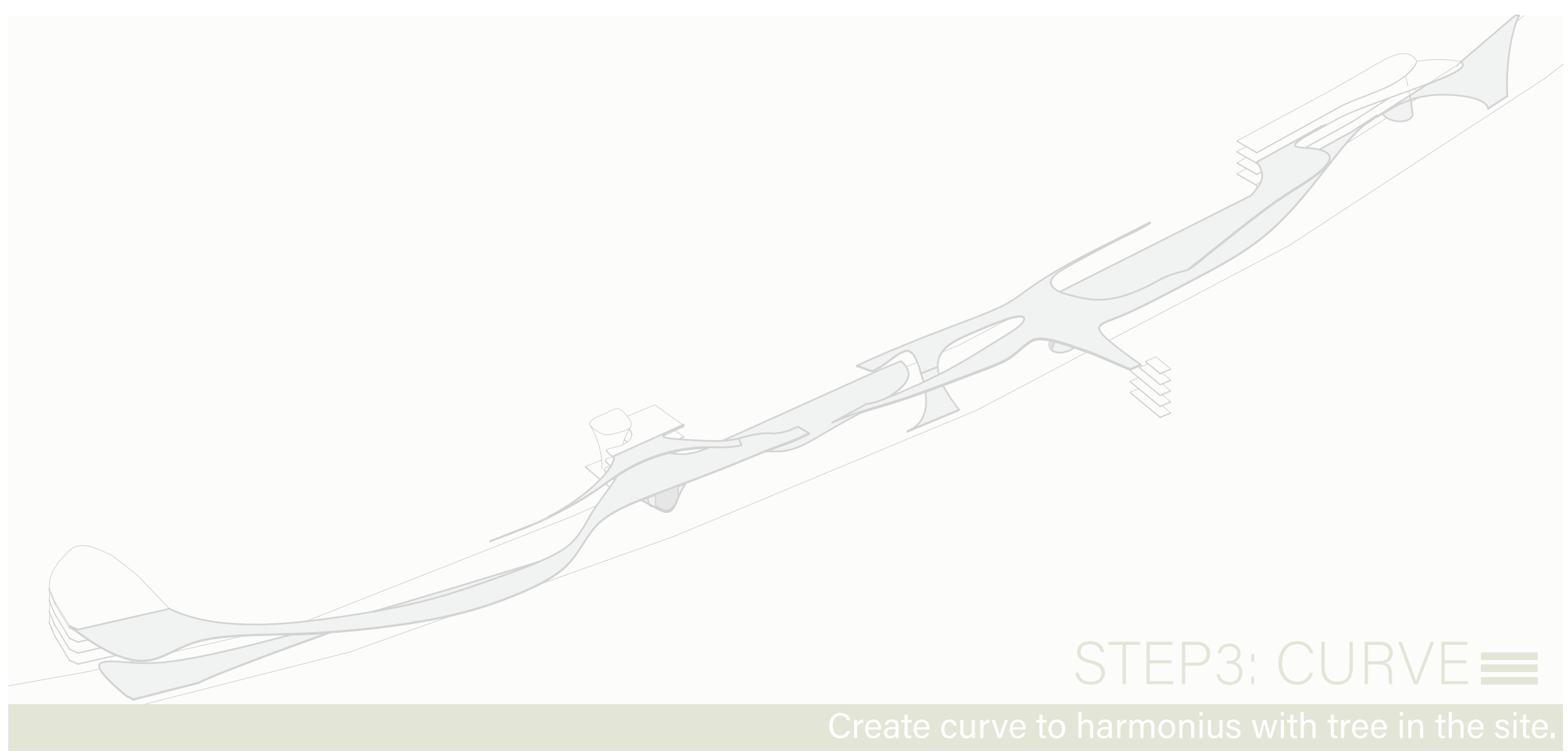
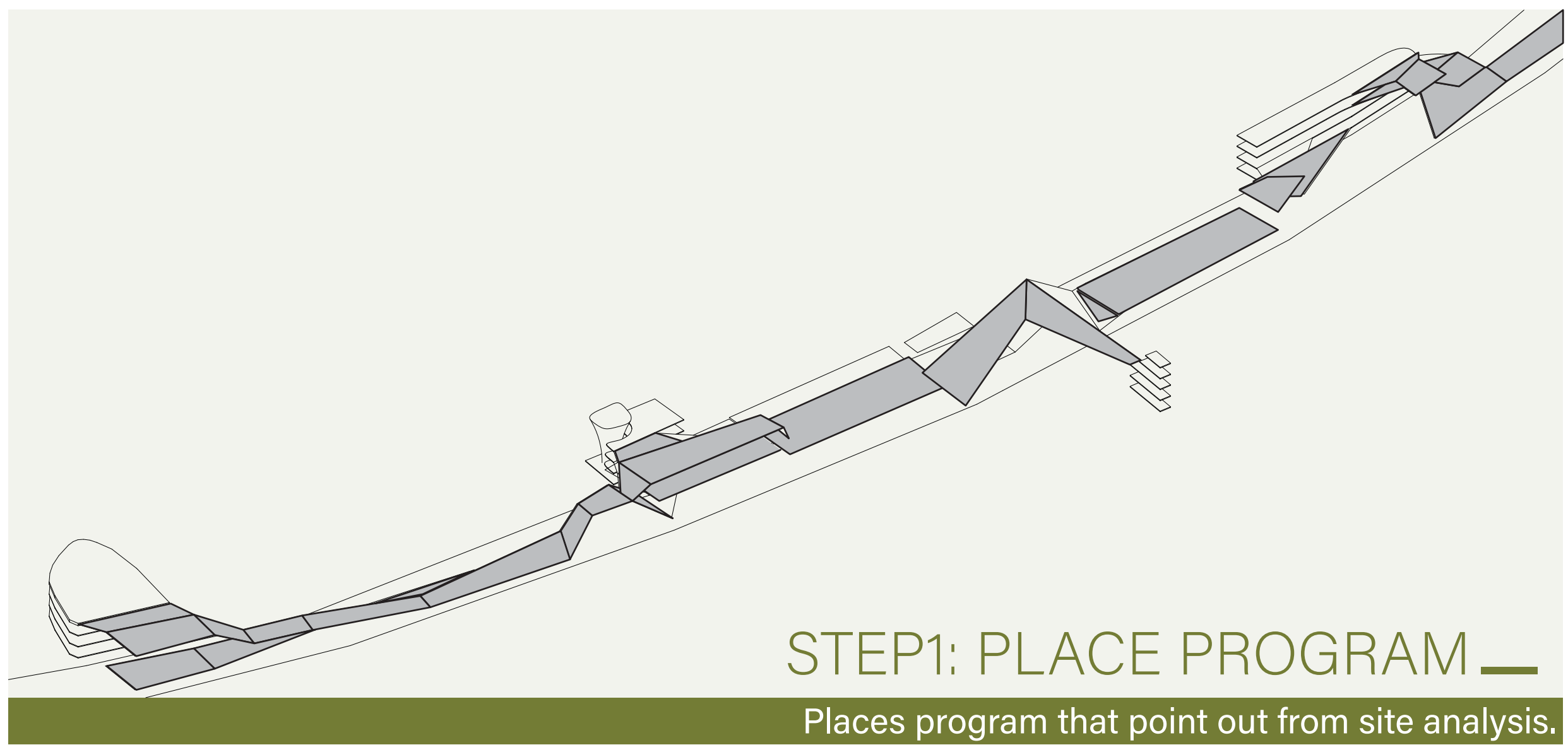
HUALAMPHONG STATION



SI PHRAYA - PIER

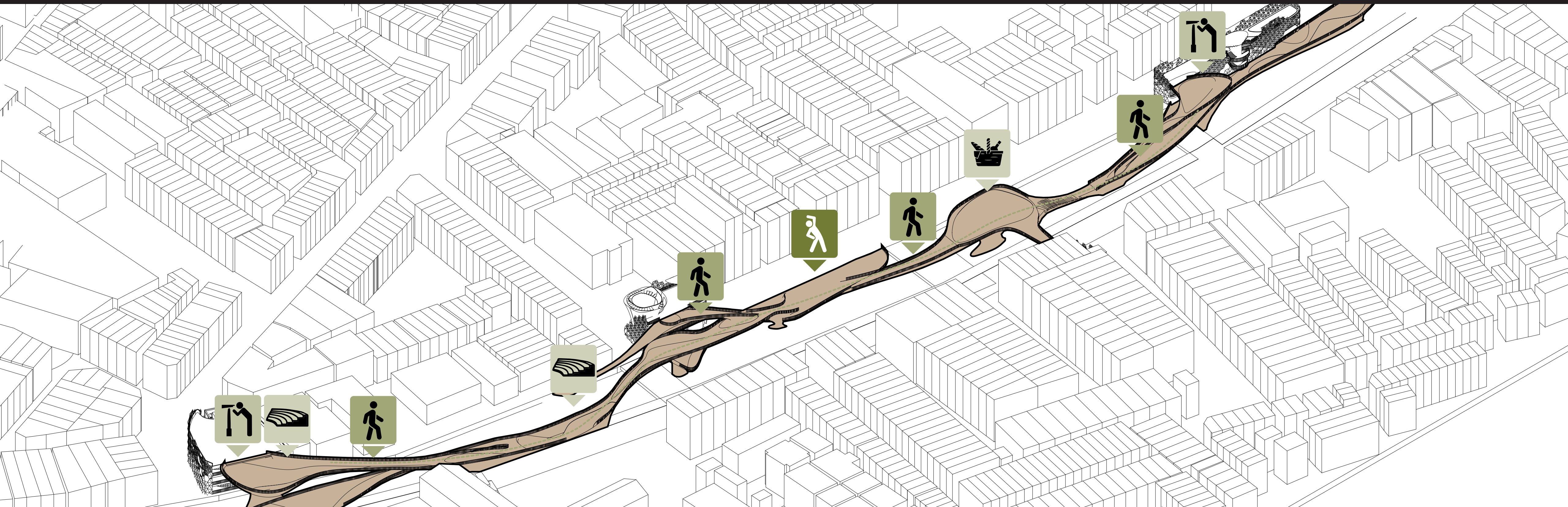


# DESIGN CONCEPT AND FORM DEVELOPMENT





# URBAN ENVIRONMENT PROGRAM



## COMMUNITY EXERCISE SPACE

The programs are close to the community purpose for locals to come out and stretch out their bodies in the grass field with friends and family.



## RUNNING PATHS

The program will prepare a path for people who would like to do heavy exercise such as running and jogging.



## WALKING HILLS

The program will prepare a path for people who would like to do soft exercises such as walking and step exercises.



## VIEW POINT

For those who found interest in taking pictures and photo shots of Talad Noi landmarks and community from a bird's eye view.



## MINI AMPHITHEATER

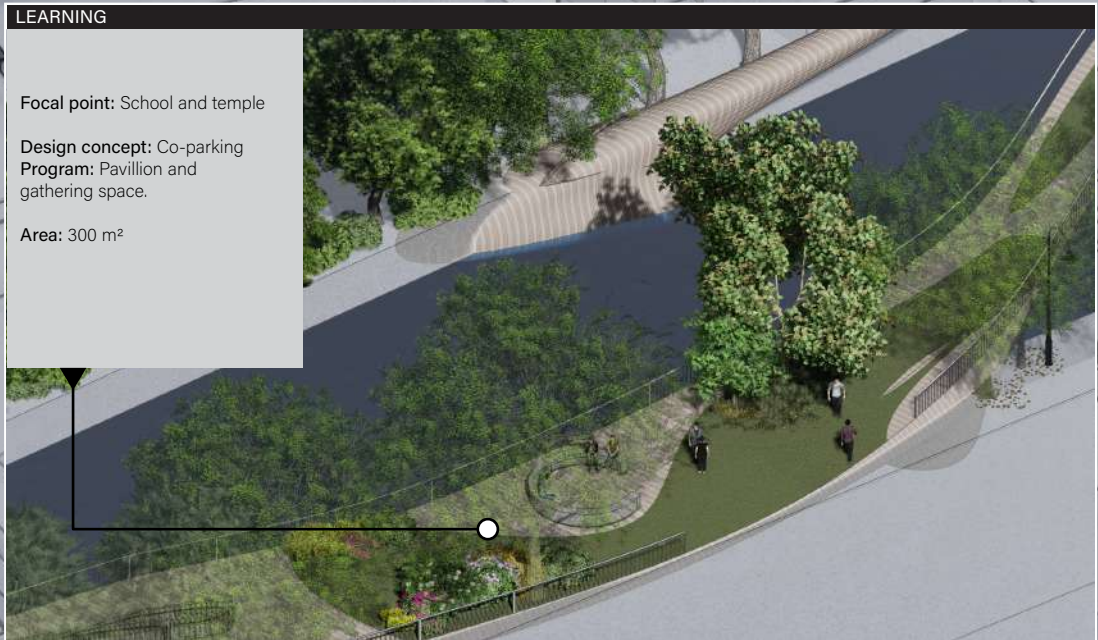
Because the site also has a school nearby, a small space for students to perform and entertain to support youth communication and performance skill.



## PINIC

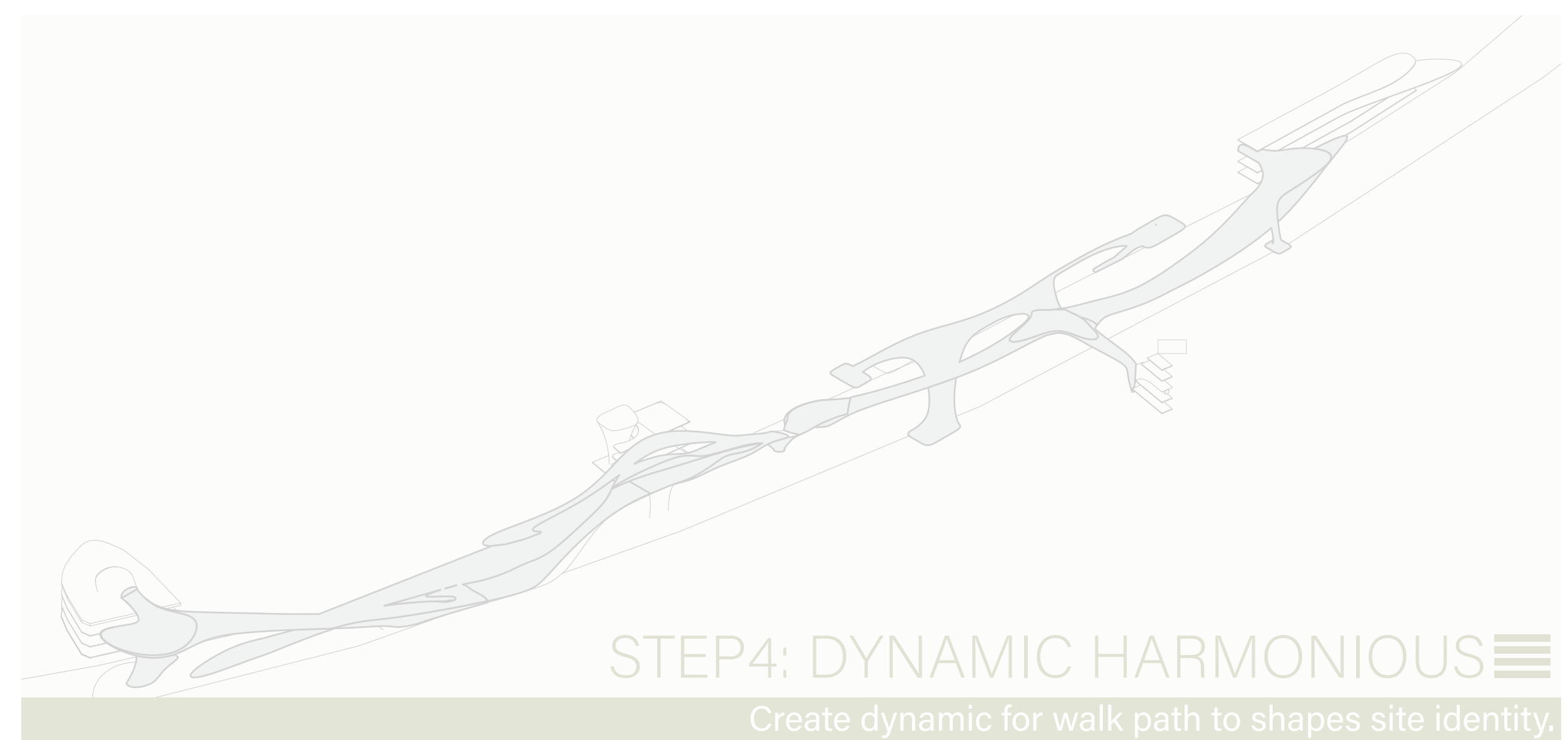
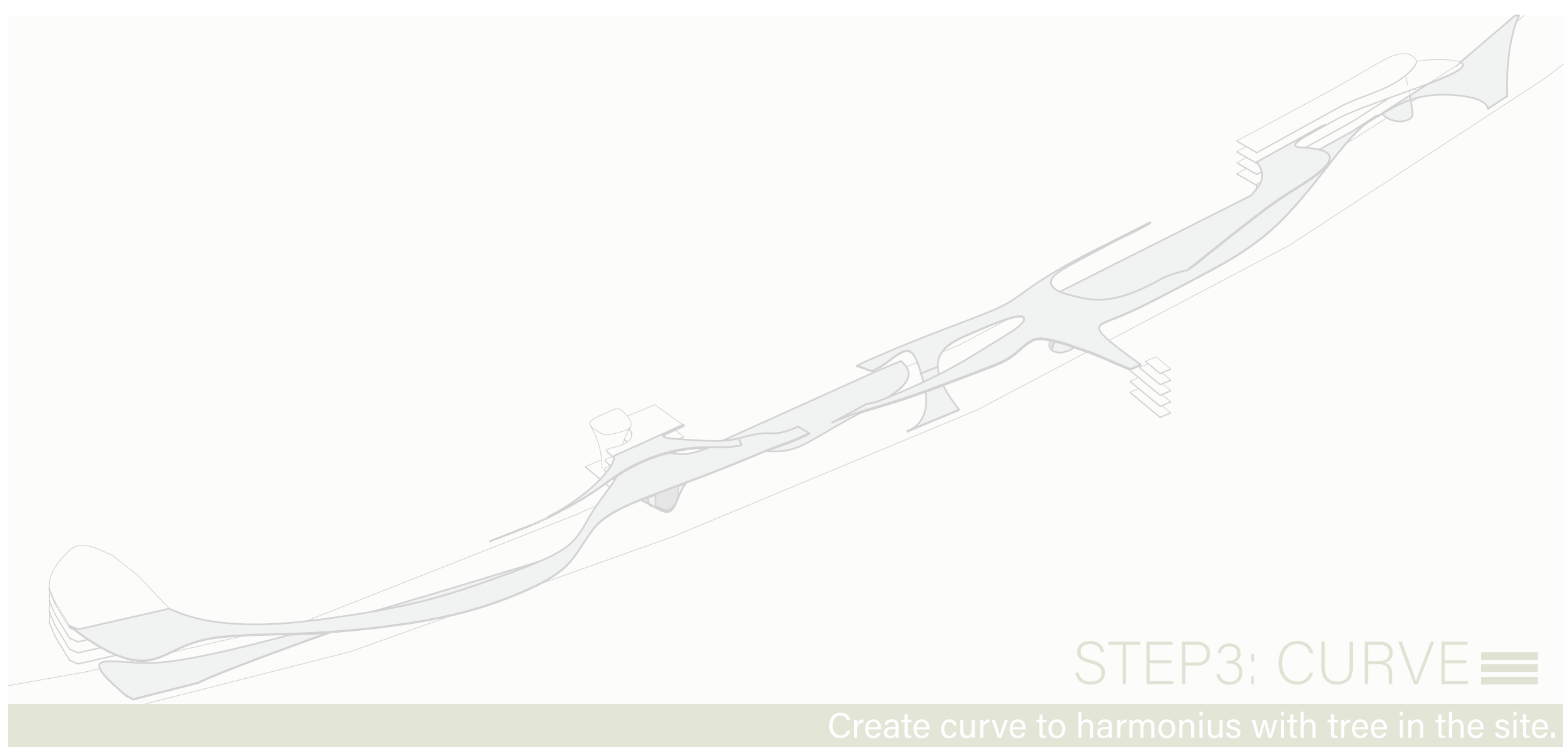
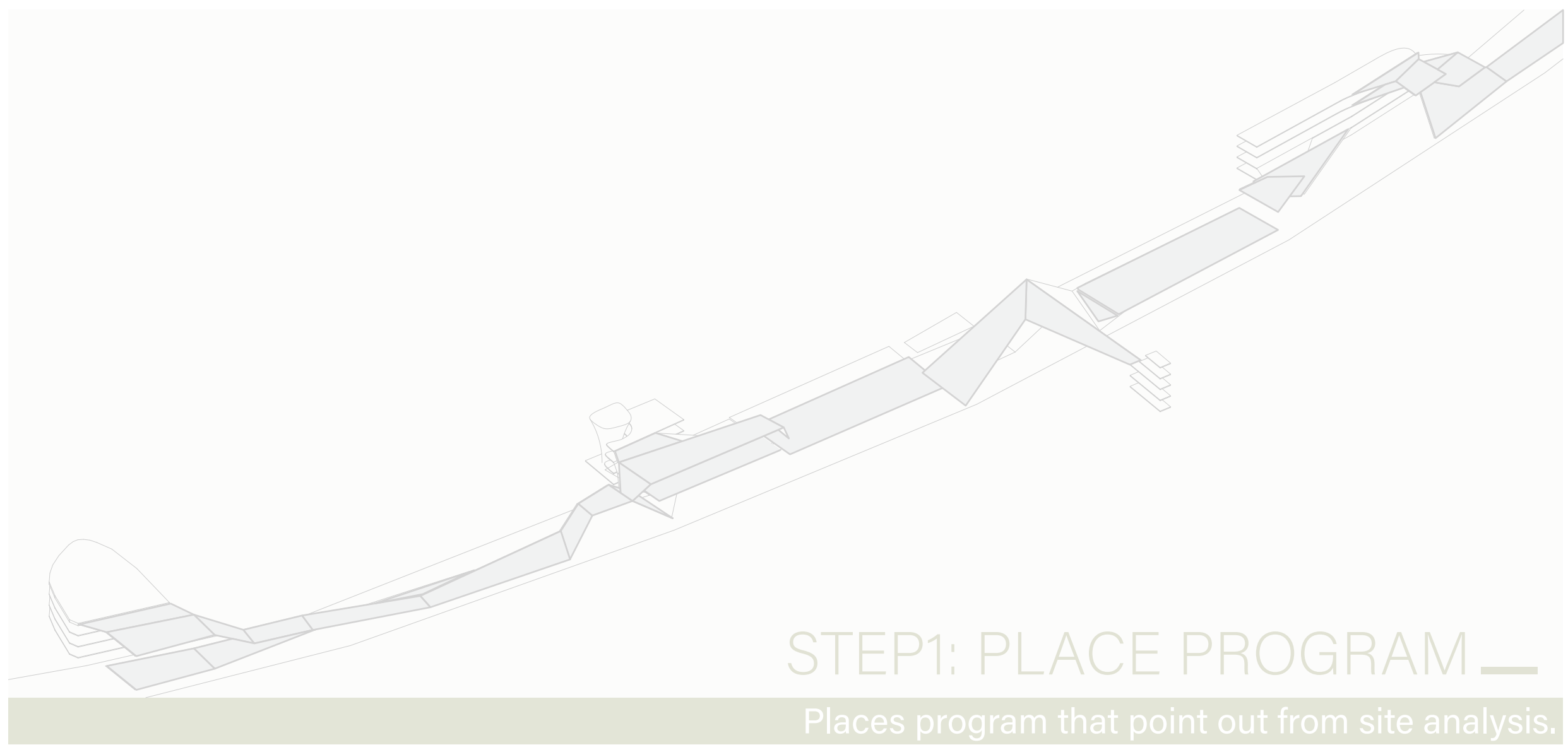
The park provides a space for people to sit down and have snacks with their friends and family surrounded by trees and grass fields.





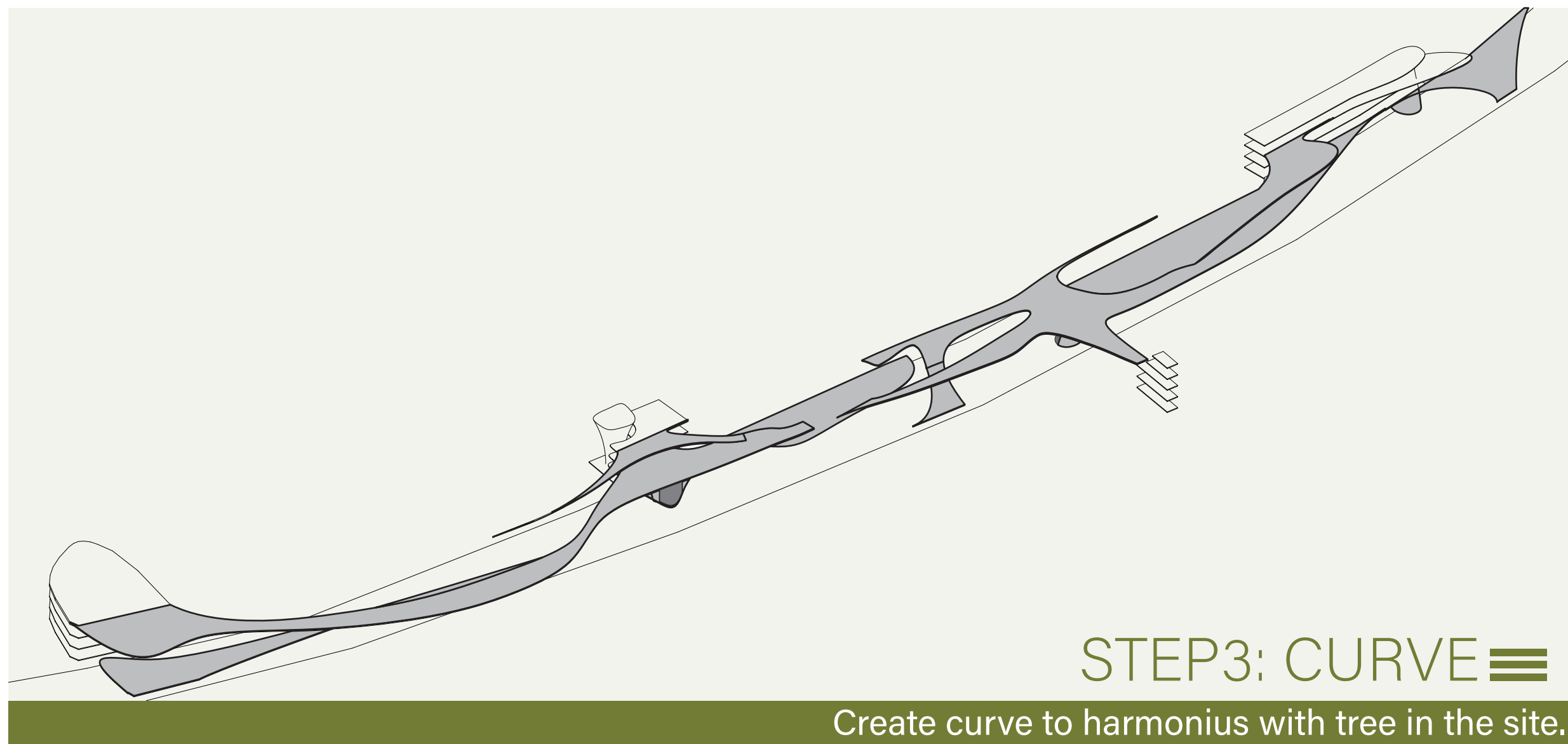


# DESIGN CONCEPT AND FORM DEVELOPMENT



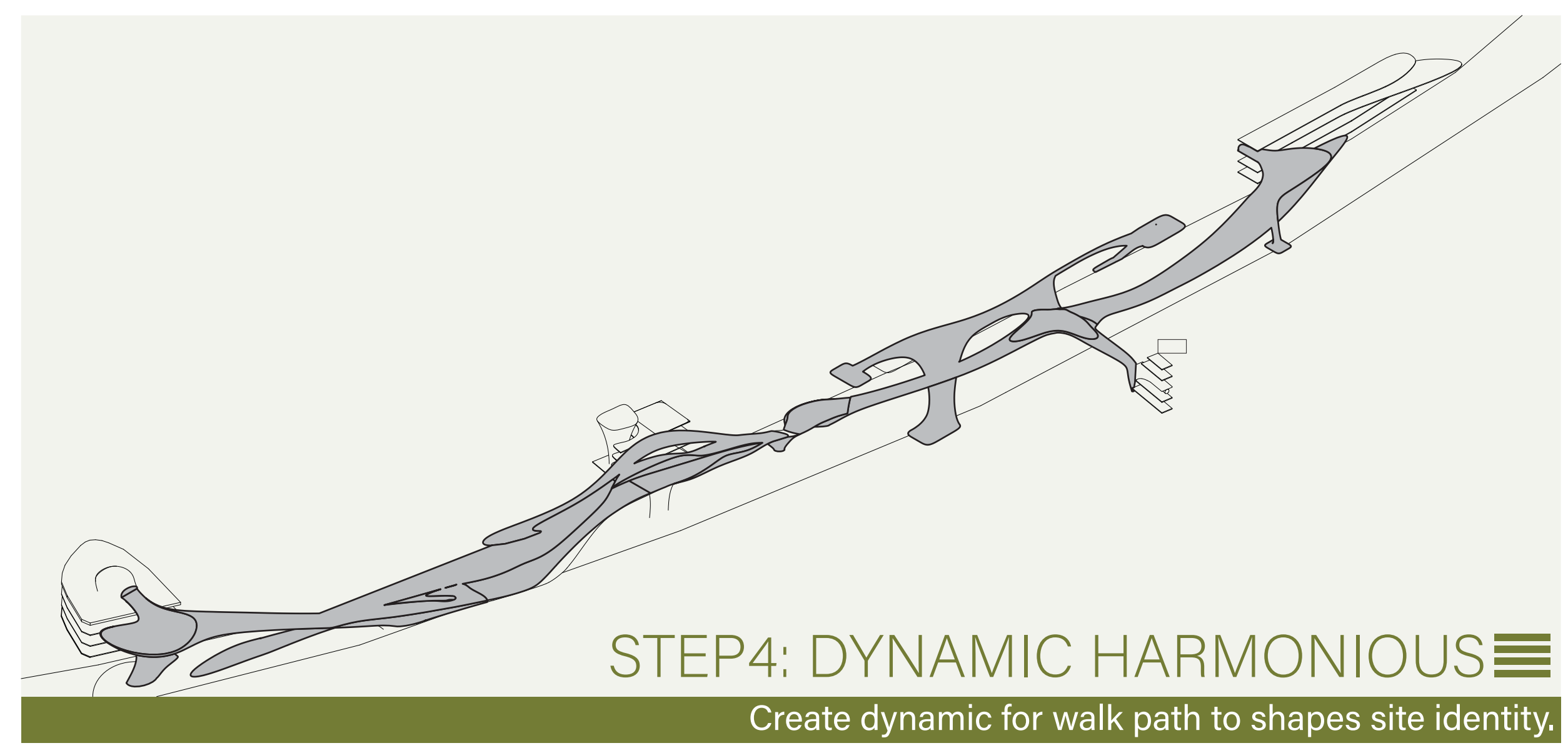
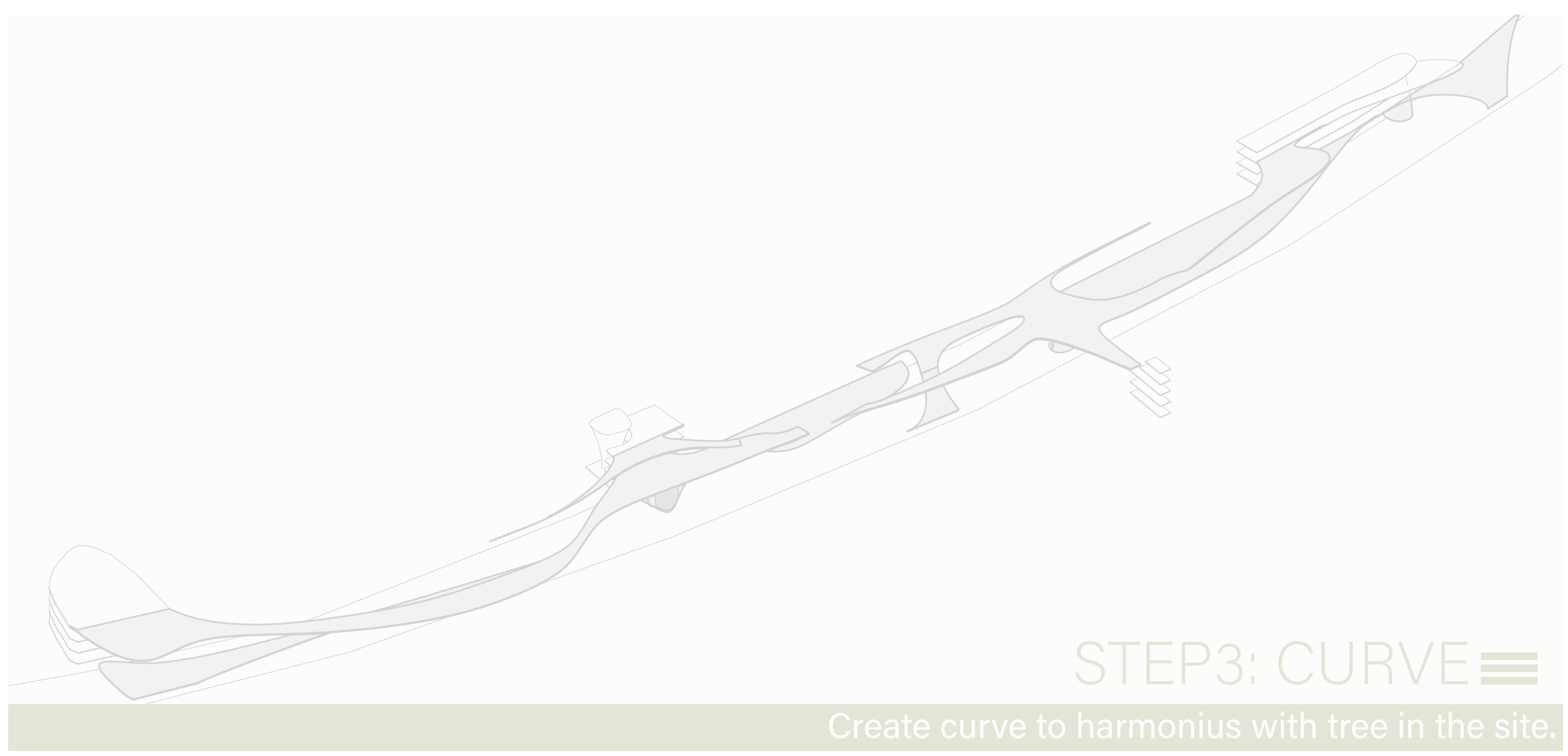
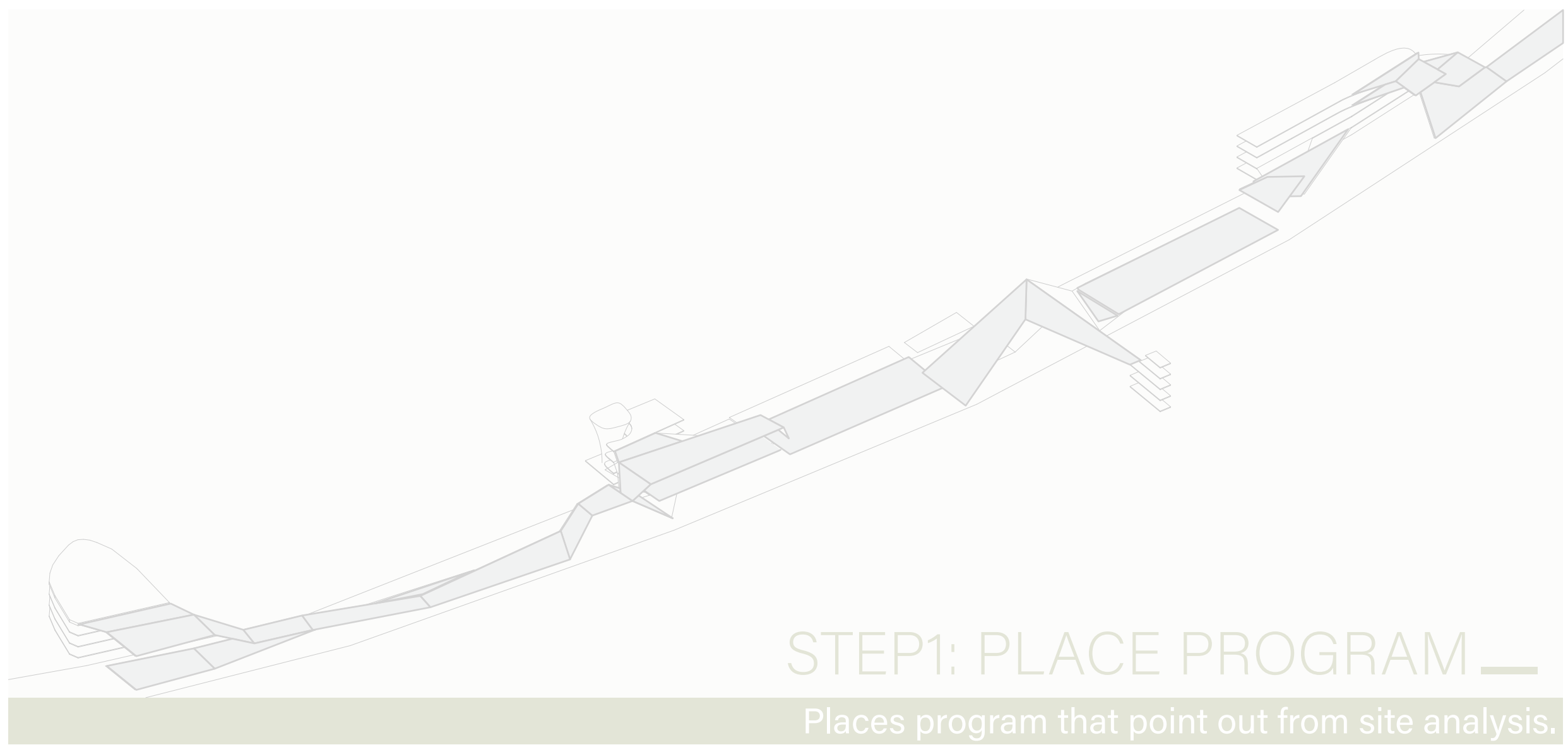


# DESIGN CONCEPT AND FORM DEVELOPMENT



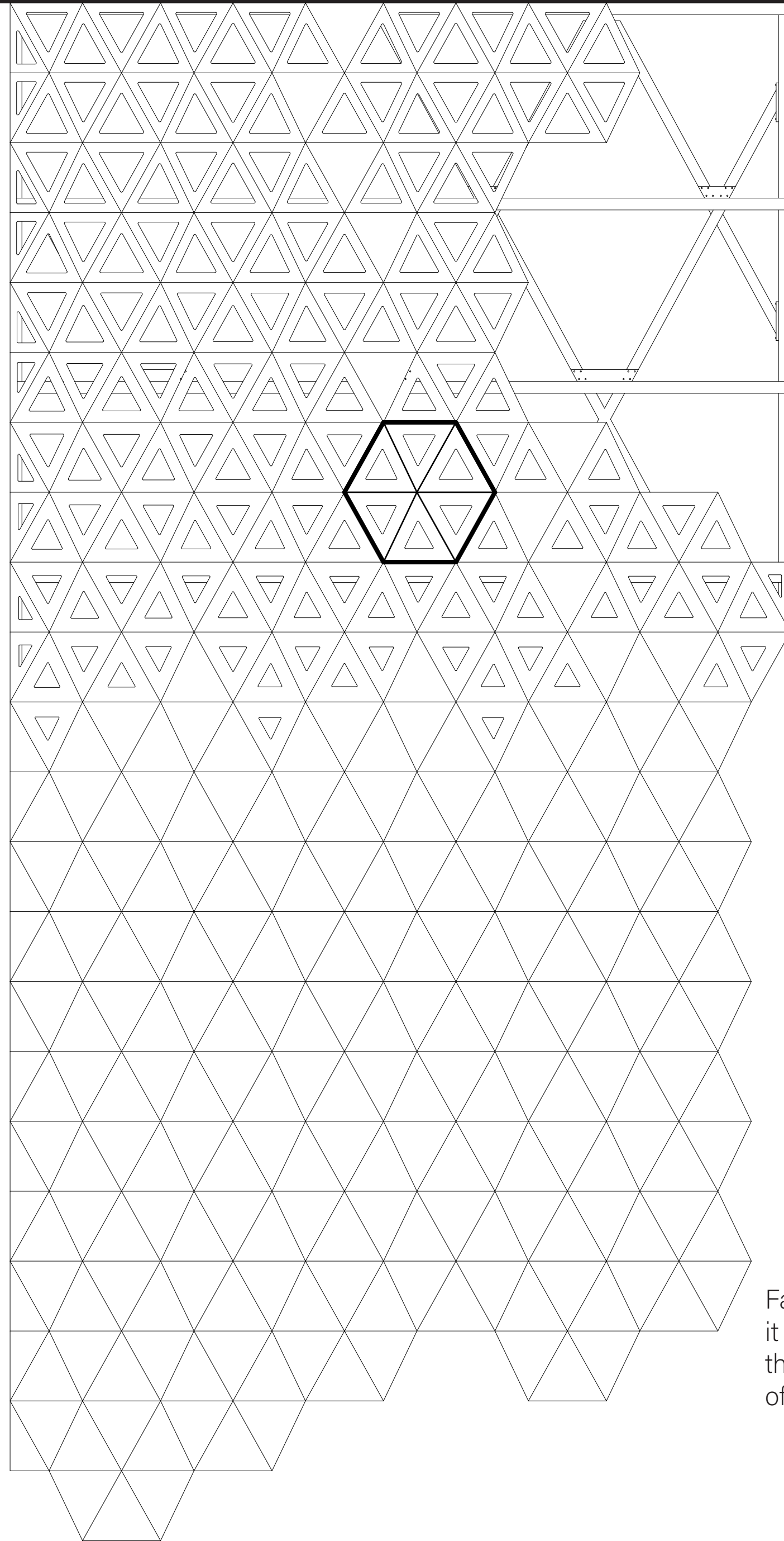


# DESIGN CONCEPT AND FORM DEVELOPMENT





# DESIGN CONCEPT AND FORM DEVELOPMENT



Four Forrest Talad Noi Canal park is a community project located in Talad Noi objective is to bring back unused canal to design a friendly environment as long not destroy the good nature in the area for a new standard of learning city for the community.

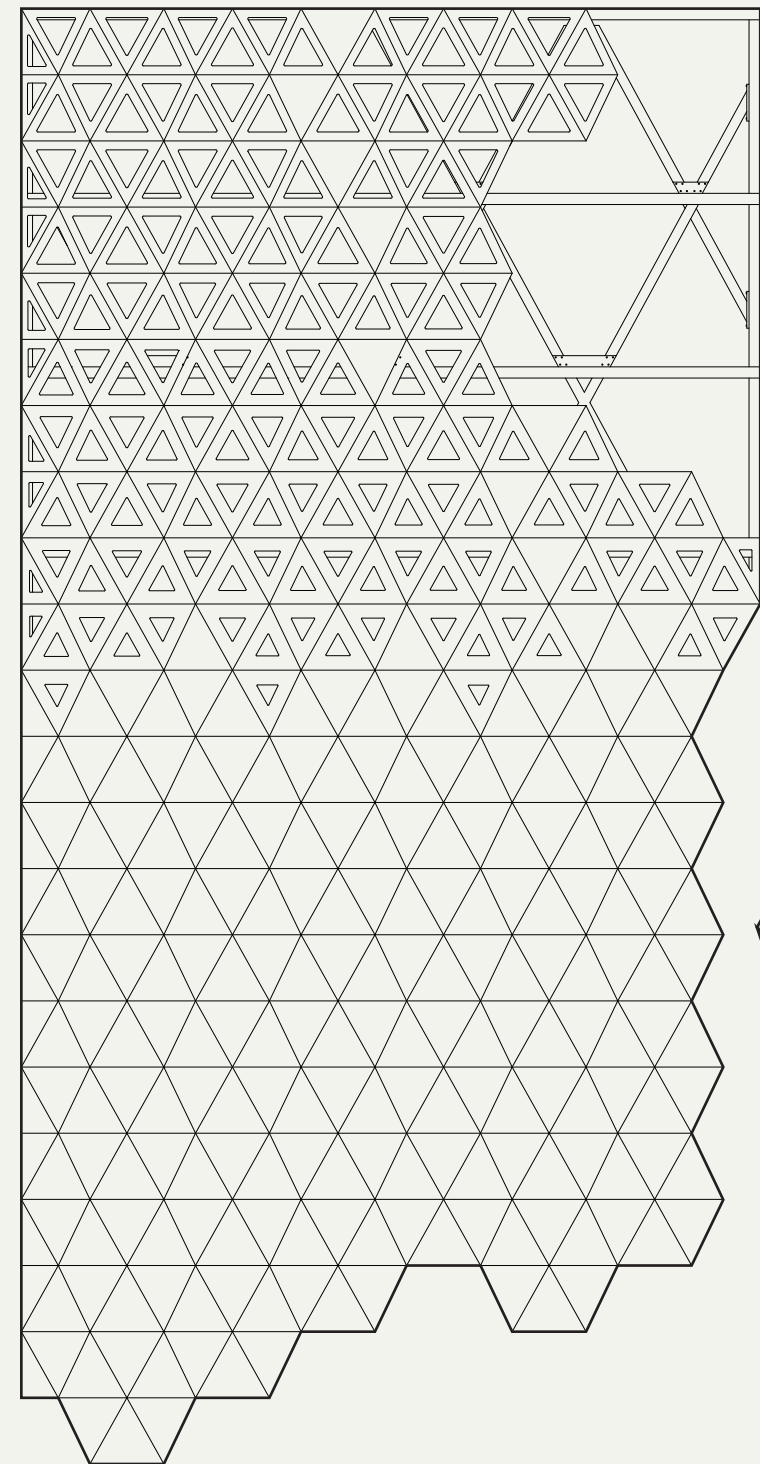
In this project, four buildings from different locations around the site were selected, these four buildings are the existing building. The objective is to find the proper along with a most efficient zone for the program. Four buildings will link together with one enormous platform above the canal to create a network of learning and playing space. Five parts constitute to be one for all people.

Facade design purpose to raise value of site itself which it have very good atmosphere because of the tree so the pattern of facade are inspired from leaves and tree of the site.

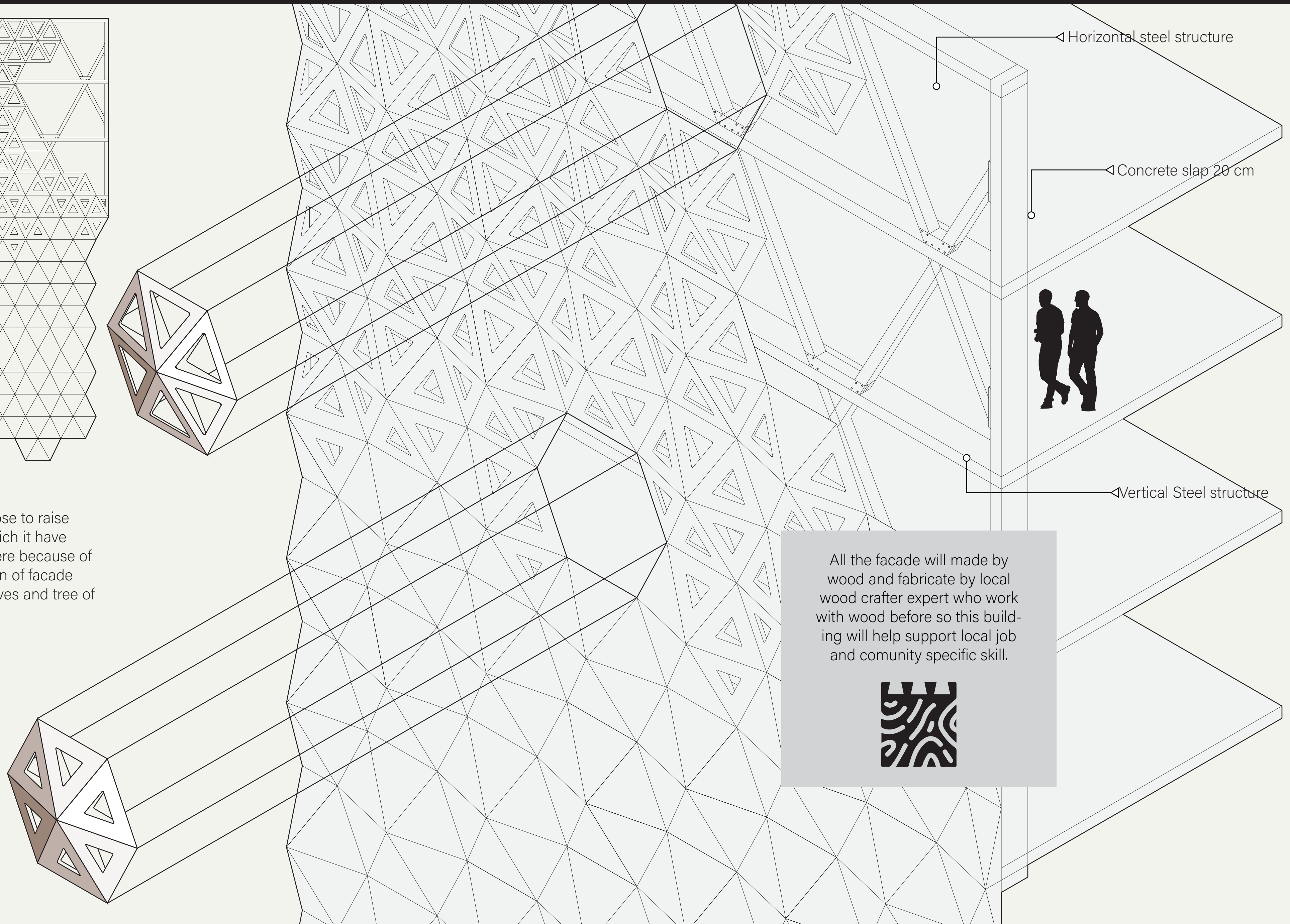




# Facade details



Facade design purpose to raise value of site itself which it have very good atmosphere because of the tree so the pattern of facade are inspired from leaves and tree of the site.



Horizontal steel structure

Concrete slab 20 cm

Vertical Steel structure

All the facade will made by wood and fabricate by local wood crafter expert who work with wood before so this building will help support local job and comunity specific skill.





DESIGN SOLUTION  
URBAN ECONOMY





# BUSINESS MODEL CANVAS

Key Partners


Key Activities

- Running, Walking
- Gathering
- Out door activity
- Yoga, Aerobic
- Craftsmanship
- SME Business support
- Community Meeting
- Retail

Key Resources

- Handcraft skill.
- Canel.
- Nature atmostphere.
- Air ququality.

Value Propositions

- To find solution of lack of public space for Talad noi community.
- To support local business.
- To reactivate inaccessible canel space.
- Upgrade value of space.

Customer Relationships

- To find solution of lack of public space for community.
- To support local business.
- To reactivate inaccessible canel space.

Channels

- Conversation
- Recomendation
- transportation
- Social media

Customer Segment

- Teenager who finds interest in Handcraft.
- Elder who has skill to modify and develop.
- Tourist.
- Local.
- Student.
- Workers.

Cost Structure

- Architecture.
- Canel park platform.
- Landscape.
- Renovation.
- Canel dredge.
- Maintenance and Management.

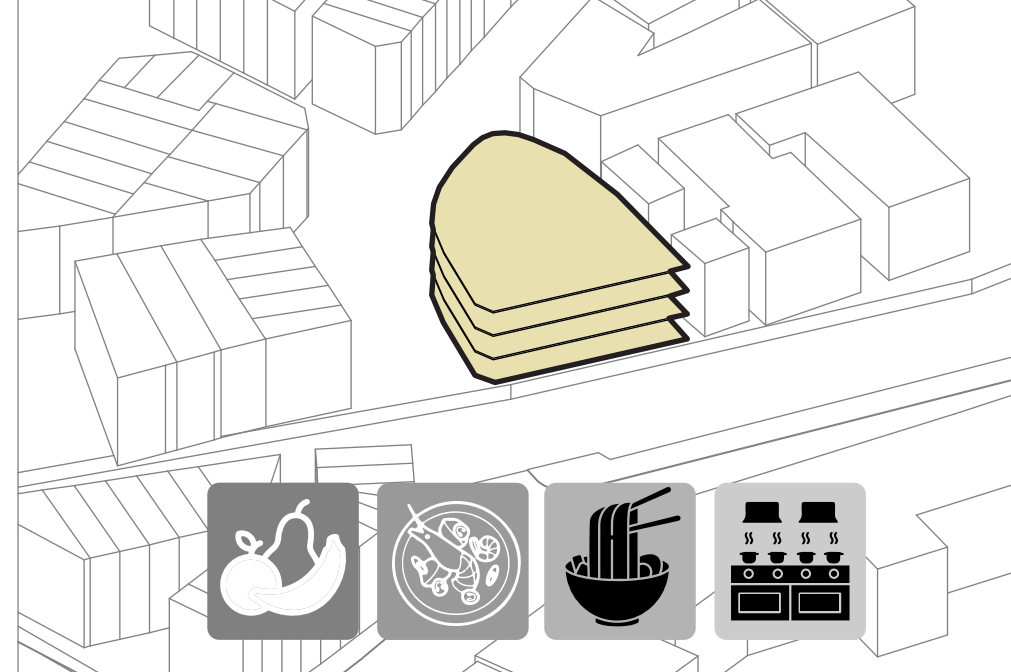
Revenue Streams

- Government support.
- Retail.
- Donate.
- SME business support

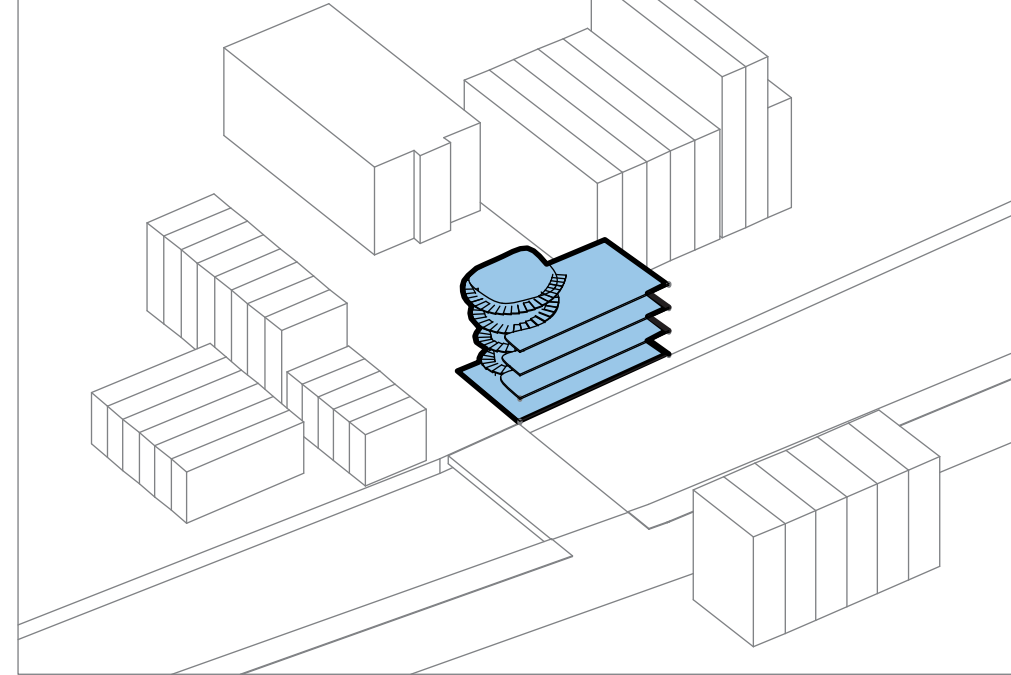


# URBAN ECONOMY PROGRAM

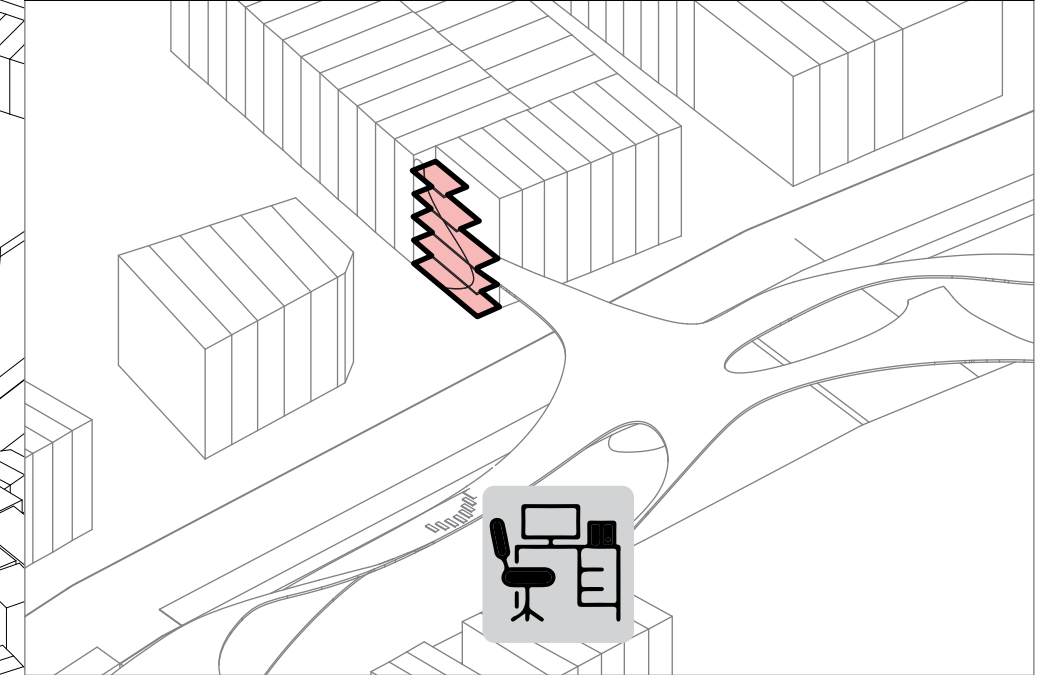
Forest 1 - Sky Garden



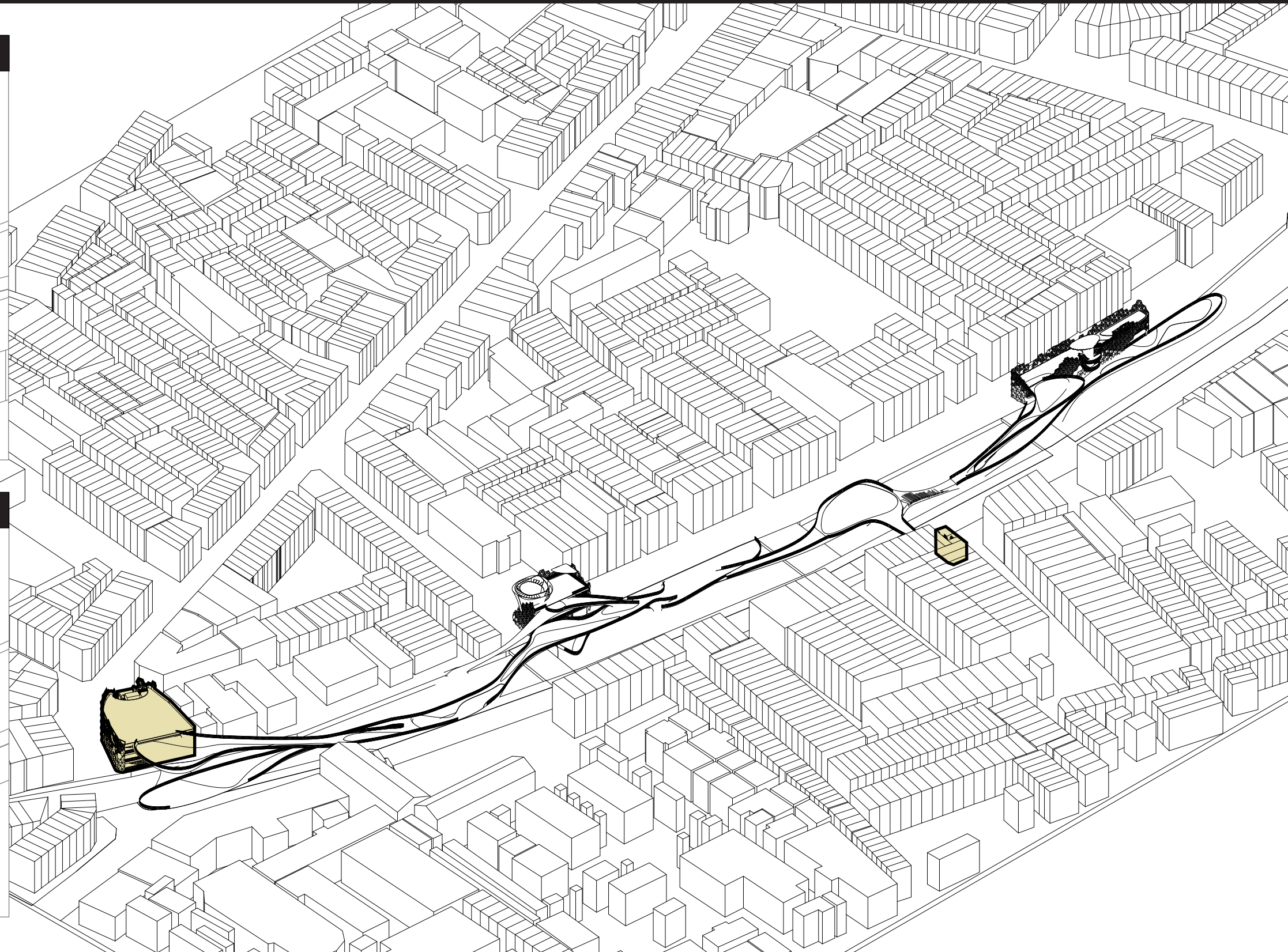
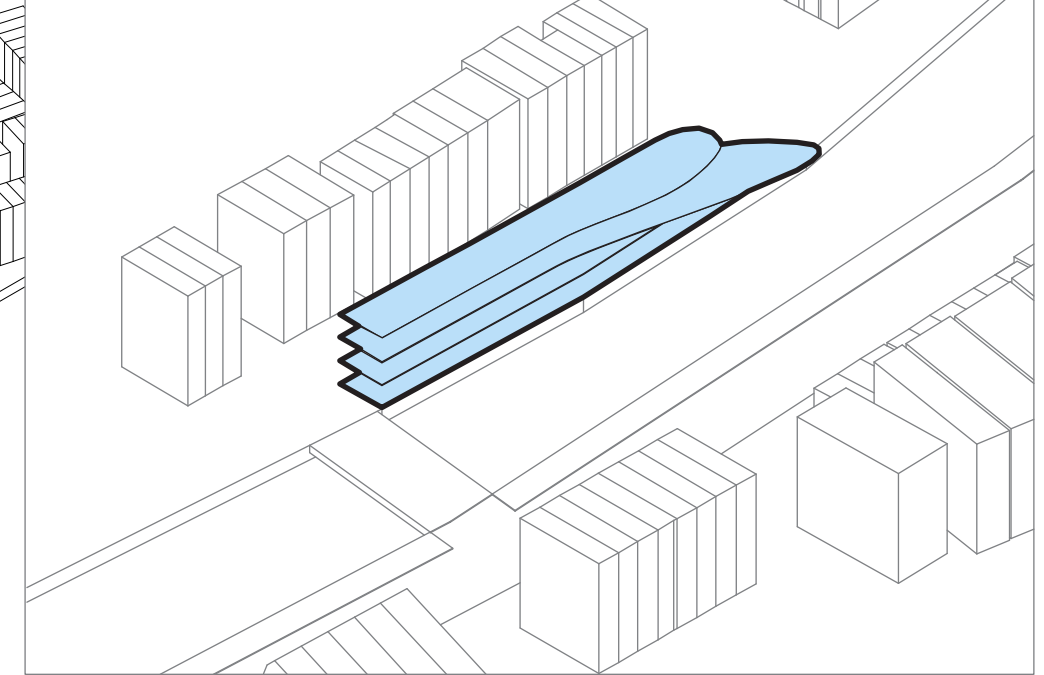
Forest 2 - Vertical garden



Forest 3 - Town home garden



Forest 4 - Float garden



## FOUR SEASON FRUIT MARKET

Talad Noi was one known of the biggest fruit markets in Thailand, many types of imported fruit were sold here. The purpose of program is to use the site's reputation as a landmark to re-create local businesses.



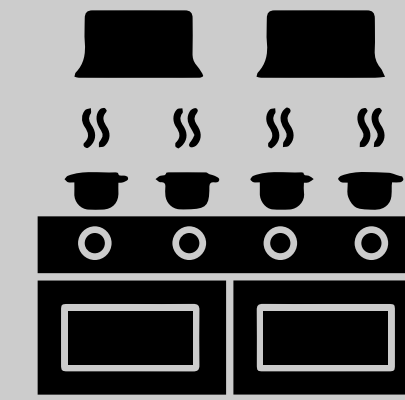
## THAI CUISINE

Locals who have cooking skills can participate in the kitchen, the purpose to create a unique food park for tourists.



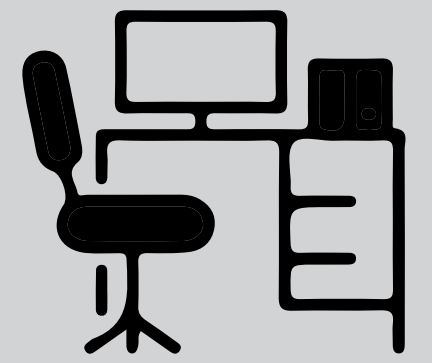
## CHINESE CUISINE

Talad Noi Chinese food is also notable brought this program to the project will help support local culture.



## COMMUNITY KITCHEN

Because during the covid outbreak government cannot cover it thoroughly, Locals have to help those who do home isolated and cannot find meals and fundamentals.



## MINI OFFICE

Program for those staff who work to run all over the park, again for those who are interested to organize an event in the project area to contact staff.



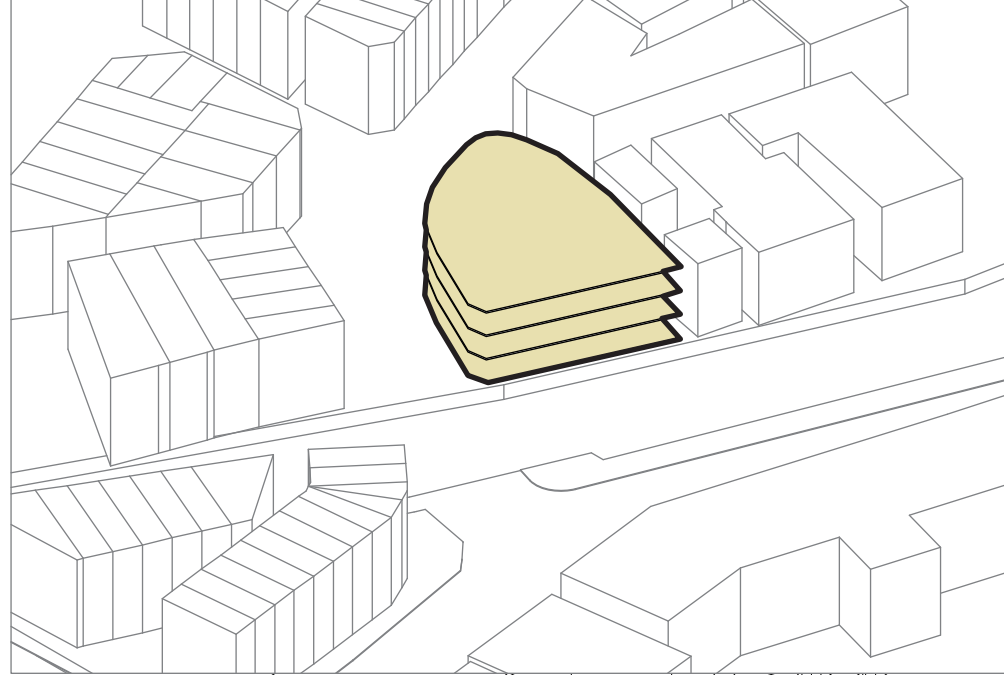
DESIGN SOLUTION  
URBAN LEARNING



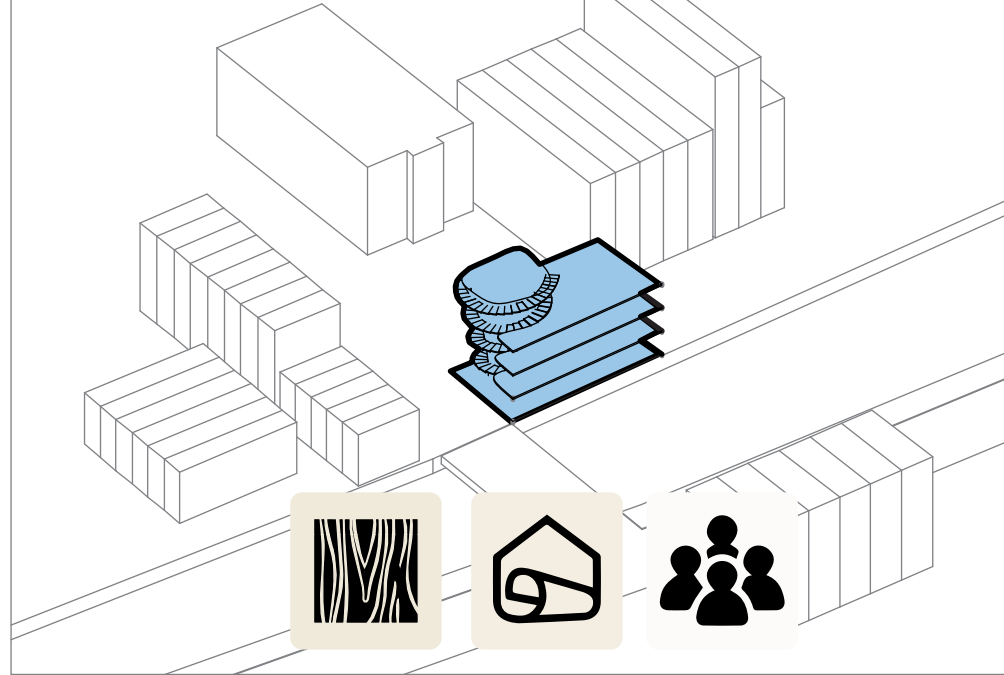


# URBAN LEARNING PROGRAM

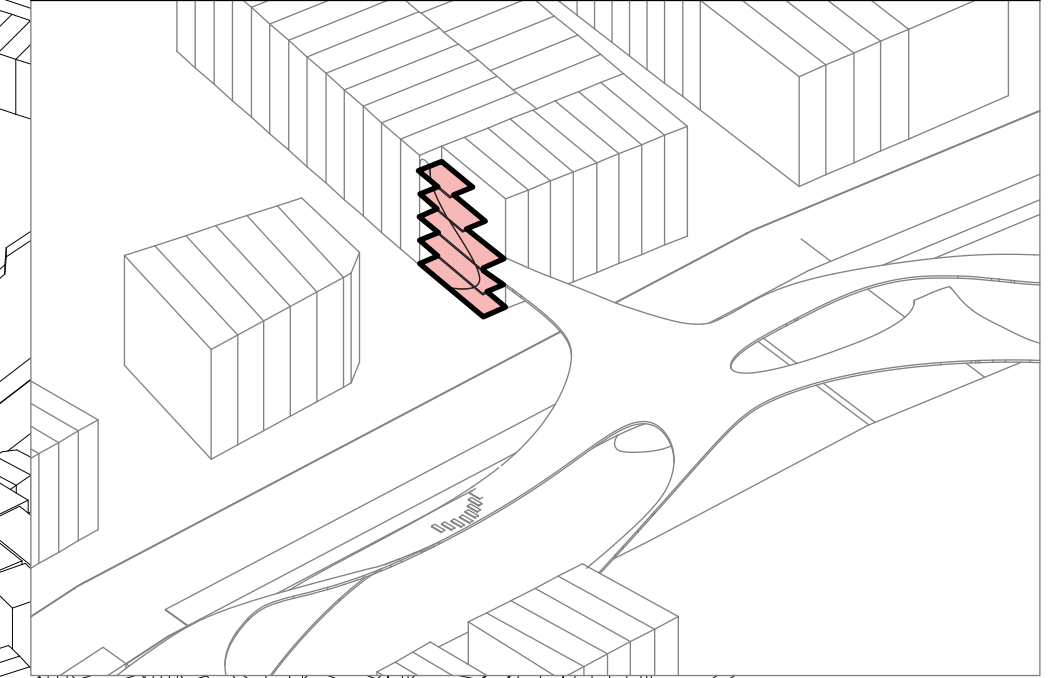
Forest 1 - Sky Garden



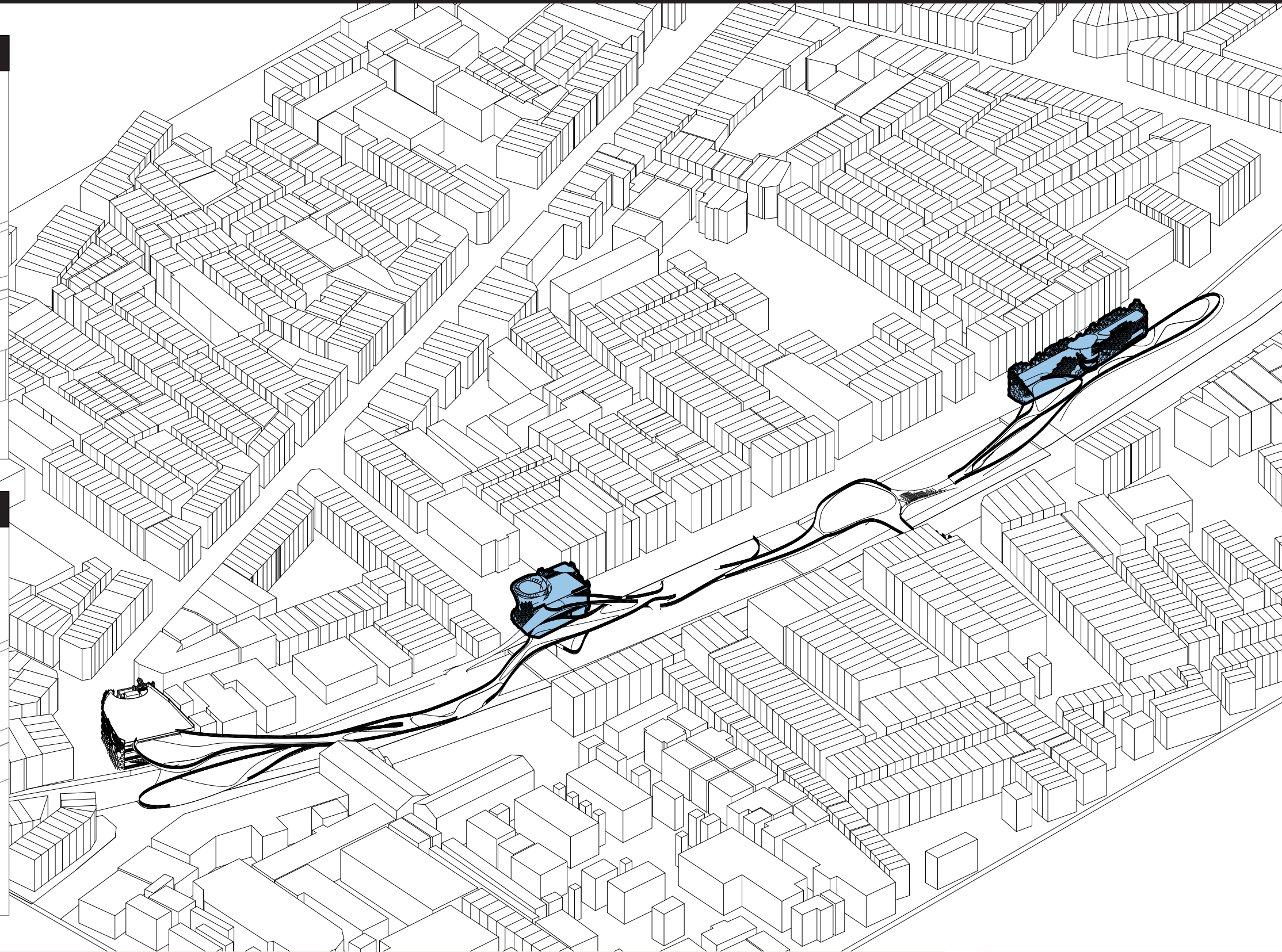
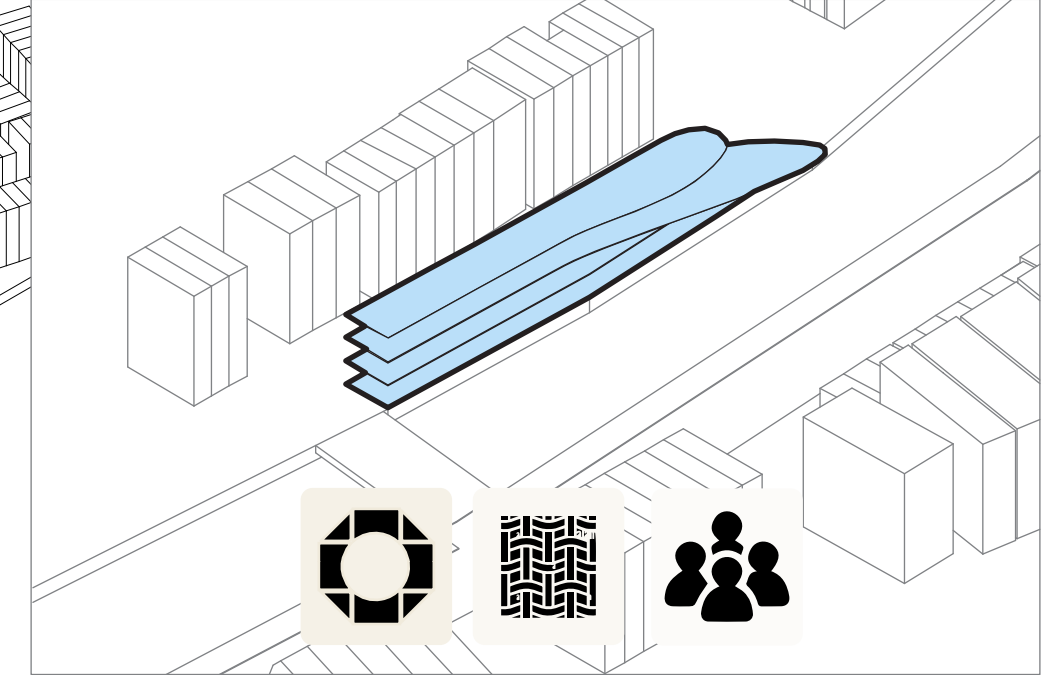
Forest 2 - Vertical garden



Forest 3 - Town home garden

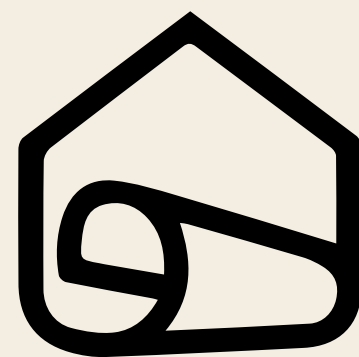


Forest 4 - Float garden



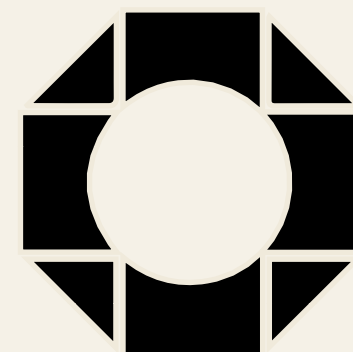
## WOOD WORKSHOP

Programs purpose for those who are interested in woodcraft and want to learn to be a career or sub-career by local who still have skills in woodcraft for decades..



## PAPER WORKSHOP

Programs purpose for those who are interested in paperwork and want to learn to be a career or sub-career by local who still have skills in paperwork and folding.



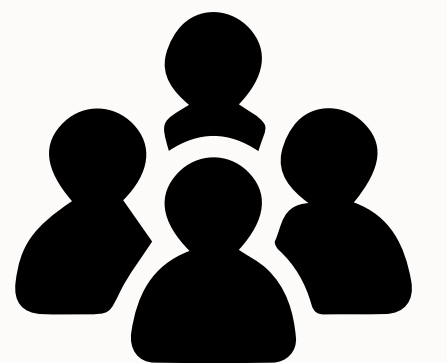
## STEEL WORKSHOP

Programs purpose is for those who are interested in blacksmith and want to learn to be a career or sub-career by locals who live here and work as a real blacksmith for decades in the Talad Noi community.



## FABRIC WORKSHOP

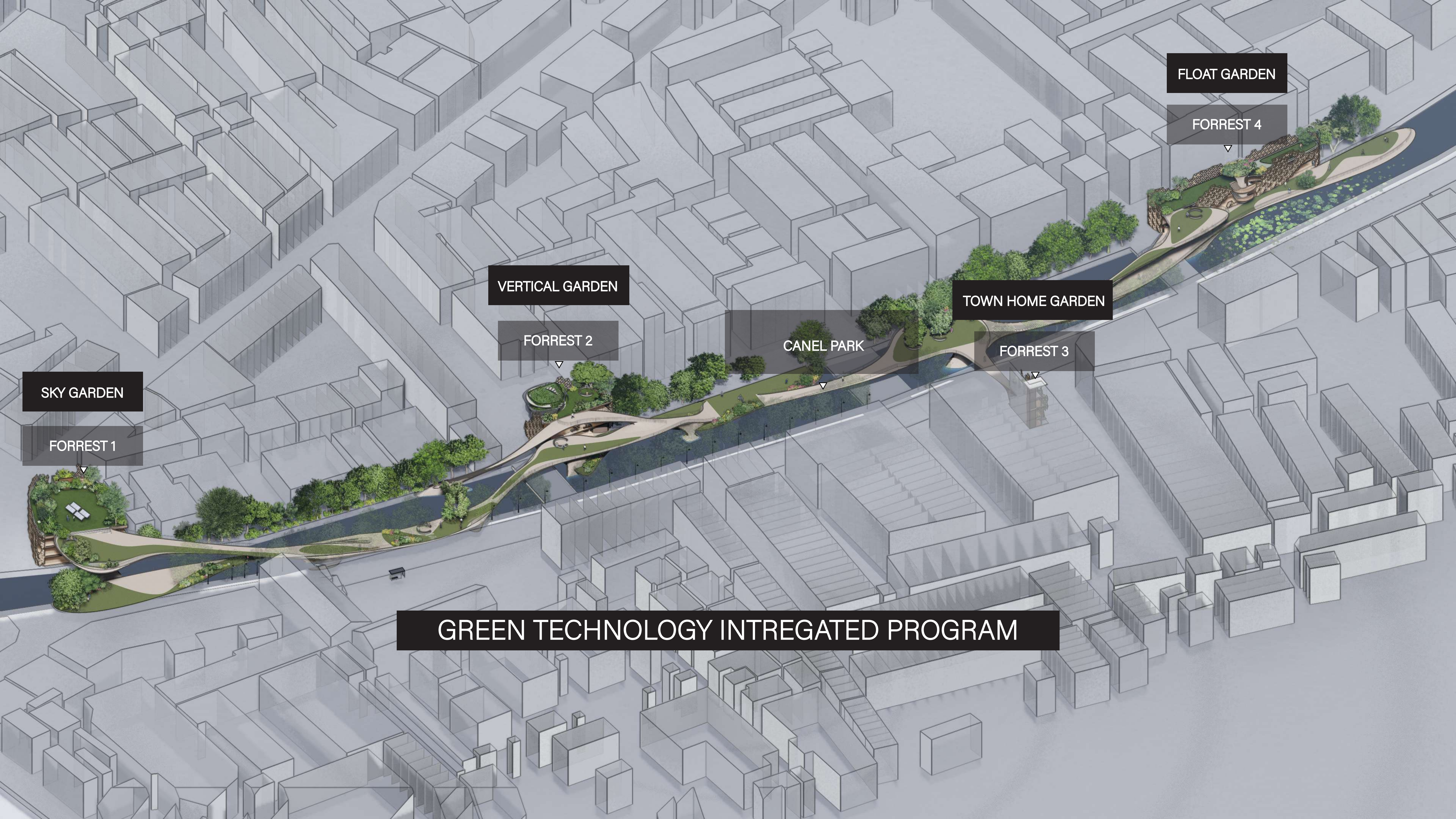
Programs purpose for those who are interested in Fabric weaving and want to learn to be a career or sub-career by local who works as a weaver.



## COMMUNITY HUB

For community members to have a conversation or agreement to have the main space to process the activity.





FLOAT GARDEN

FORREST 4

VERTICAL GARDEN

FORREST 2

TOWN HOME GARDEN

FORREST 3

CANEL PARK

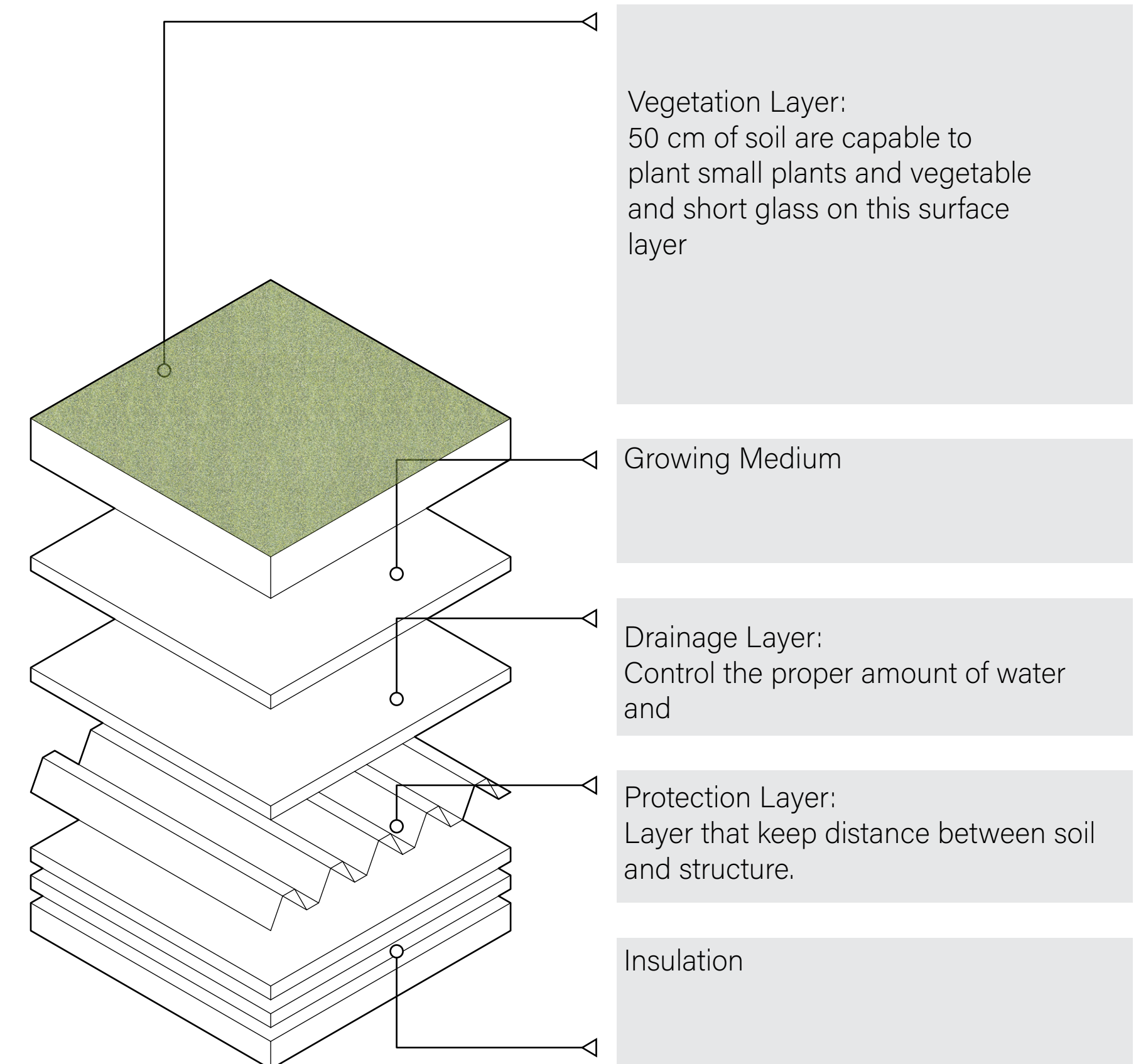
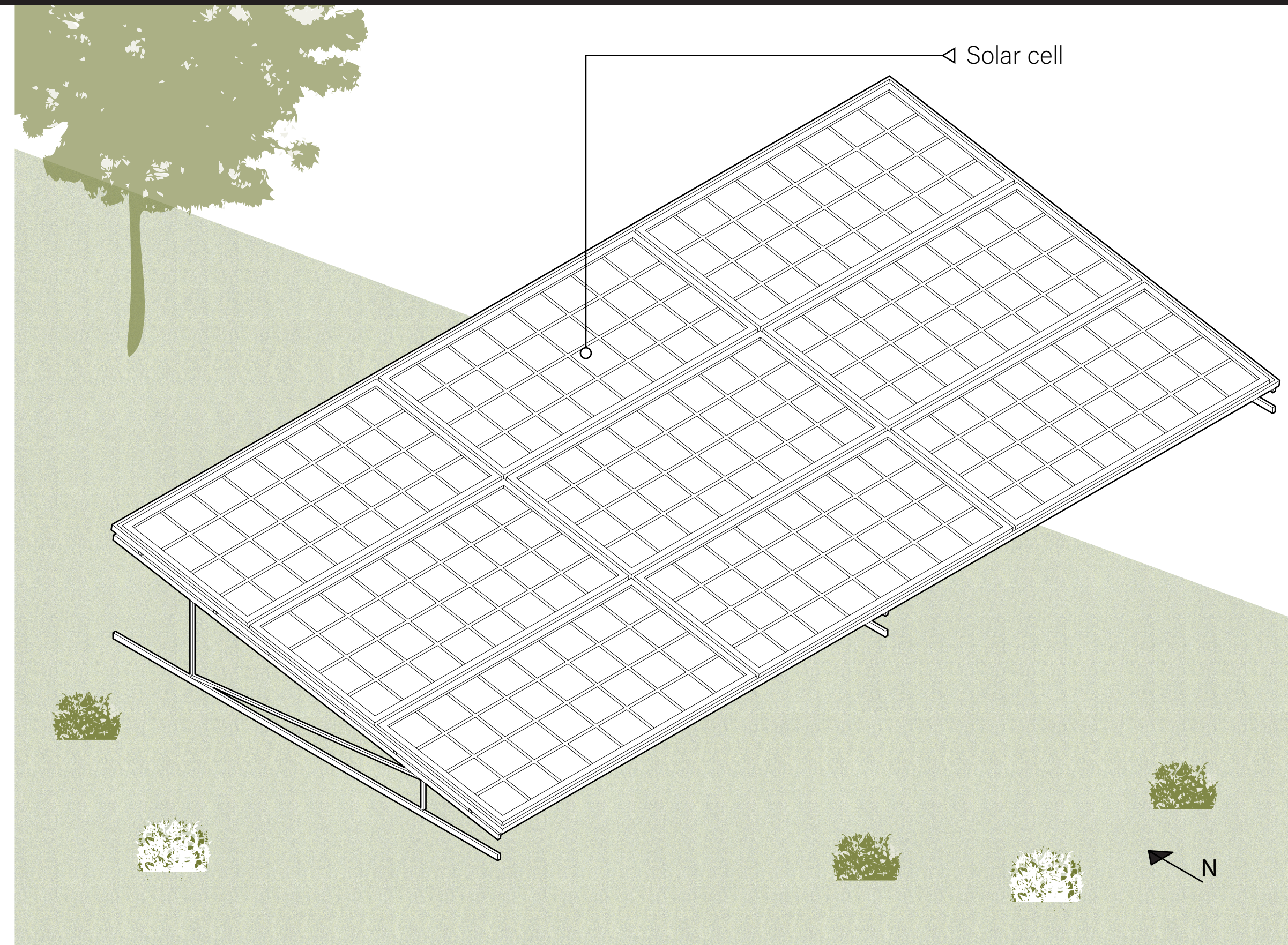
SKY GARDEN

FORREST 1

GREEN TECHNOLOGY INTREGATED PROGRAM



# FOREST 1 - SKY GARDEN



Become a learning space for children and scholar to visit and study how Solar cell able to create clean community and urban heat island mitigation.



Thailand located close to the middle of equator, Green roof is one of the best Thermal insulation with come many advantage such as, reduced building energy and maintainace costs for long term.



Because thailand have humid temperature and often rain in every season Green roof is also a example of using rain in an efficient way for trees and grass instead of left it drain to the sewer.

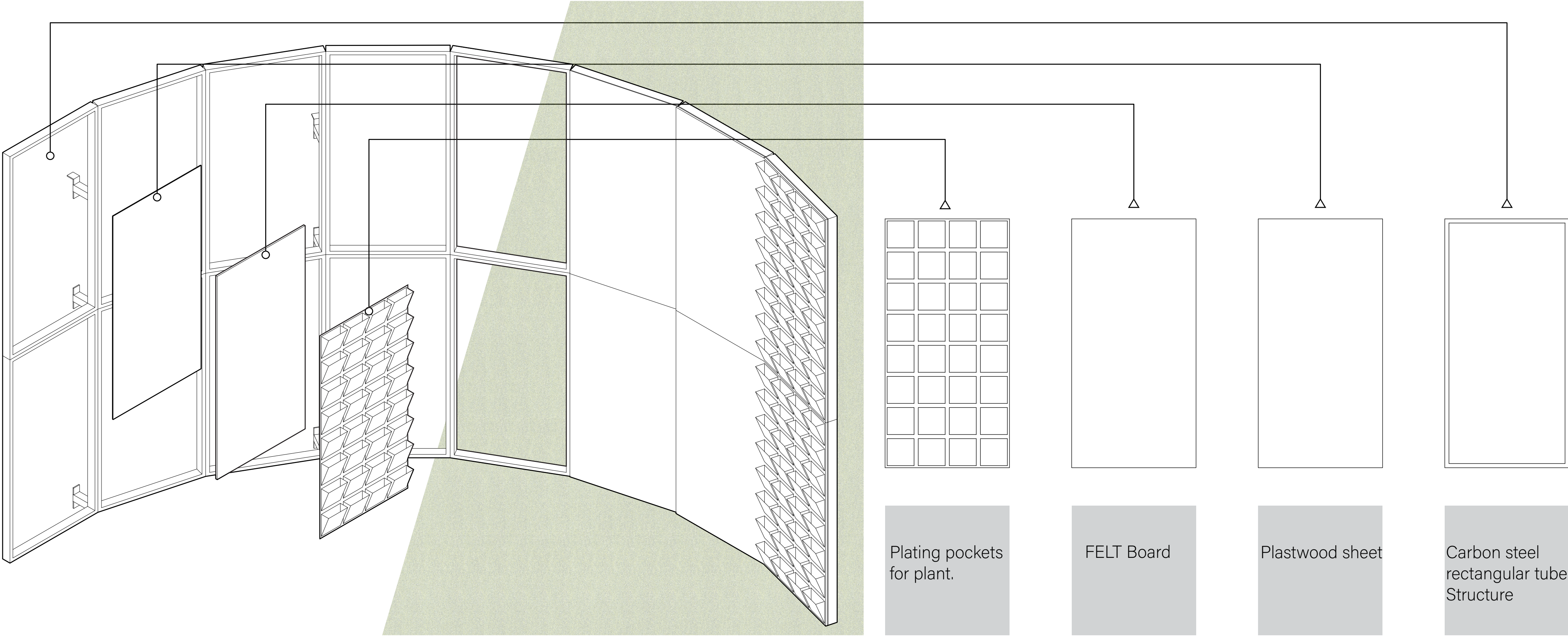


Green roof have potential to produce space for Biodiversity and ecosystem restoration which really lack in big city especially bangkok.

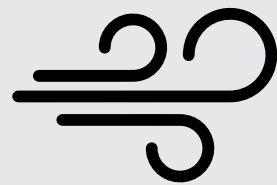




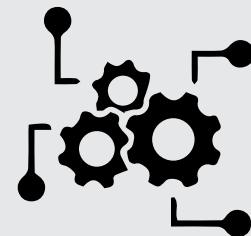
# FOREST 2 - VERTICAL GARDEN



Improve air quality  
The plants in a living significantly improve air condition. The wall filters particulate matter from the air, converting CO<sub>2</sub> into oxygen. Only one m<sup>2</sup> of living wall extracts 2.3 kg of CO<sub>2</sub> per annum from the air and produces 1.7 kg of oxygen.



Green wall does not as expensive as the past, It is now accessible and easy to installed also watering atomation system helps maintain and keep the plant fresh all the time.



For the big city stress and anxiety is unpreventable, Many research shown that green wall the way people can aviod harmful thought and improve clam and meditation.

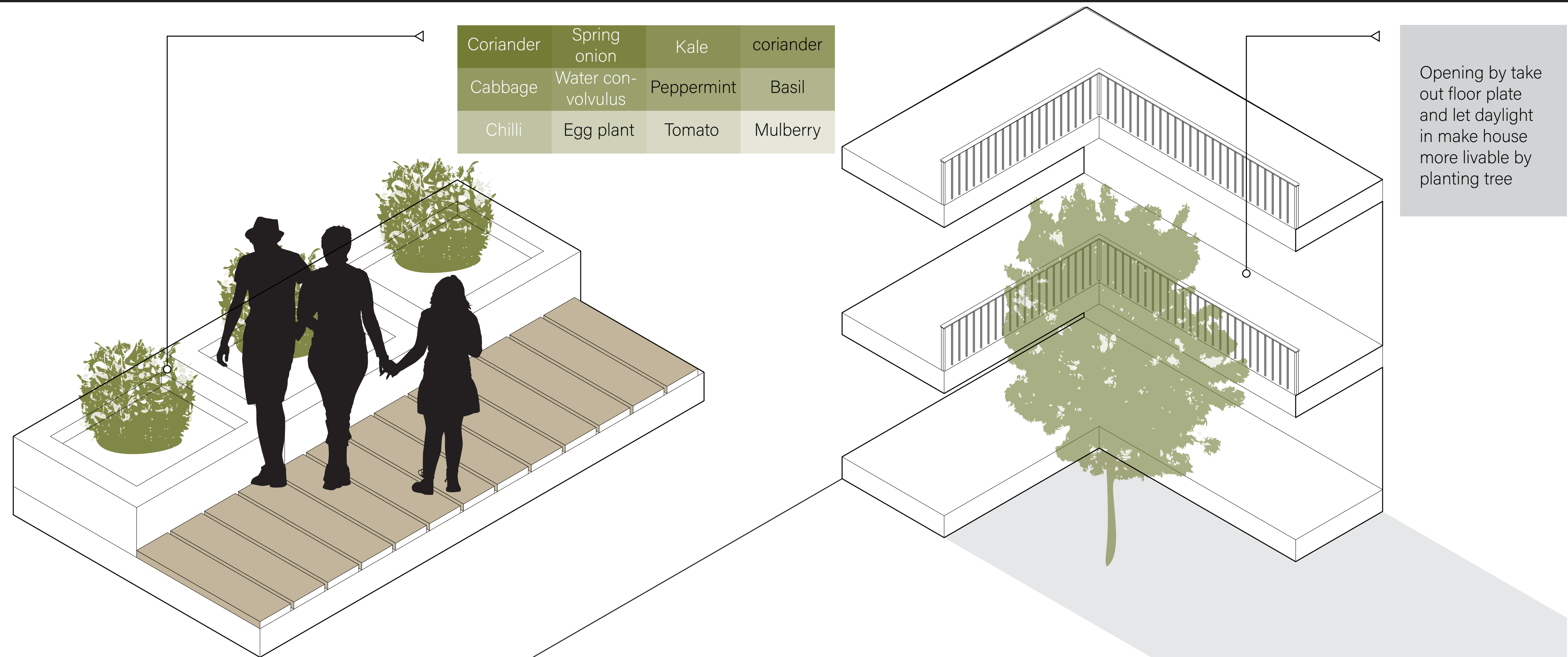


Increasing of High-rise building especially in megalopolitan, Which came with the problem that livign bulding cannot afford proper green area on the ground or horizontal, Vertical green is one of the best way to keep good green space ratio.





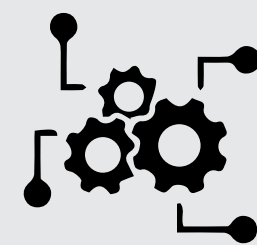
# FOREST 3 - HOME TOWN GARDEN



Town home garden will become learning space for the community of how to plant home vegetable for consume to all kinds of people who found interest of a small organic farm.



Town home garden is not as hard as you thought. There are nenerious technology that help people to easily grow their own little farm for consume which help reduce consumption cost in the family.



It will be the example of how plant effect user, take care of plant help user to have activity in house which directly improve their minds. town home that have at least have one little tree tend to have better life quality than none.

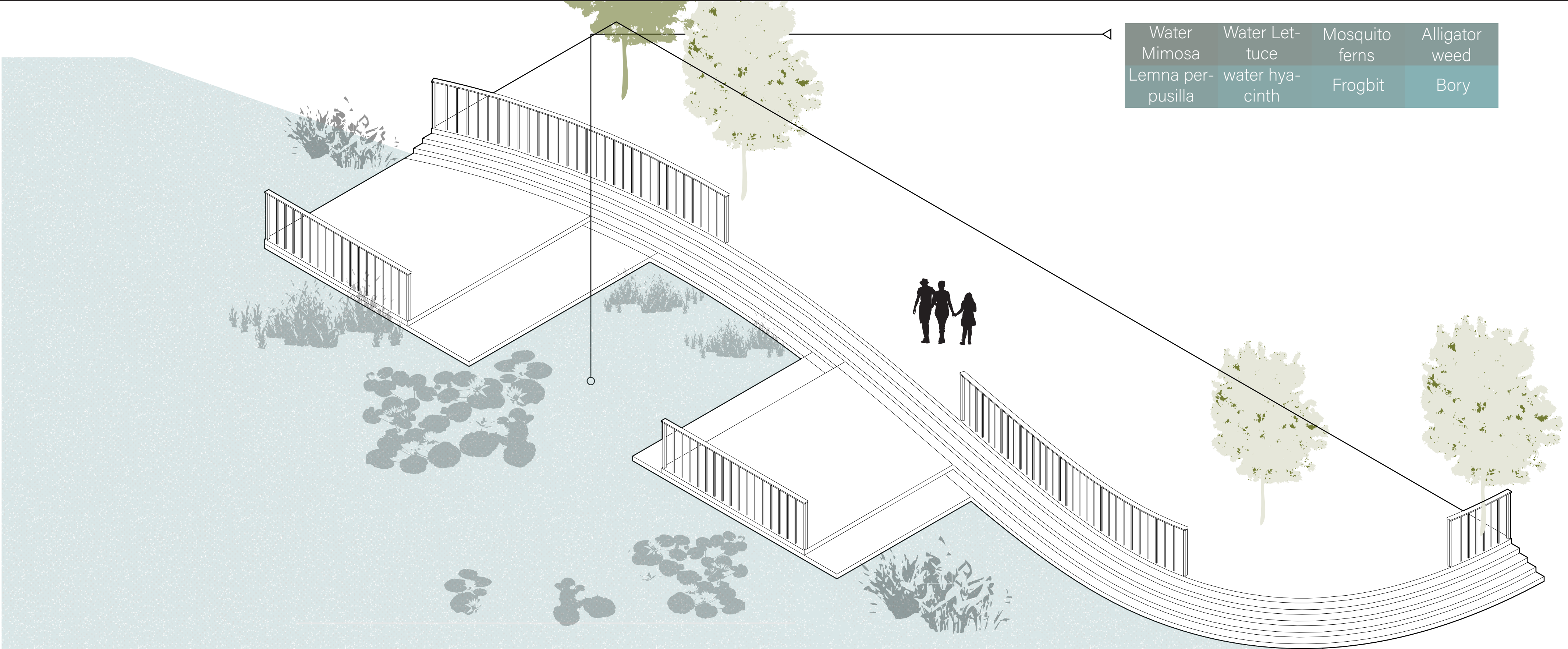


Sky light or opening can improve interi-or quality by create interaction between indoor and outdoor sense of light re-cieving as well as producing air flow which help. all these benefit will help prevent unpleasent smell and mosqui-toes.





# FOREST 4 - FLOAT GARDEN



Water Mimosa	Water Let-tuce	Mosquito ferns	Alligator weed
Lemna per-pusilla	water hya-cinth	Frogbit	Bory

Because the Phadung Krung Kasem in present have unpleasant smell from old drainage system along with the water quality that is not good for aquatic, Float garden are able to Helps eliminate water pollution, such as reducing BOD.



From local and traveler perspective will see canal as a dirty and contaminated because it was left behind and lack of taking good care, Float garden will change the aspect into a lot positive way as well as turn it into a distinctive point of Talad noi.



Some type of water plant are capable to consume or make a value from it so float garden will also become a great food source

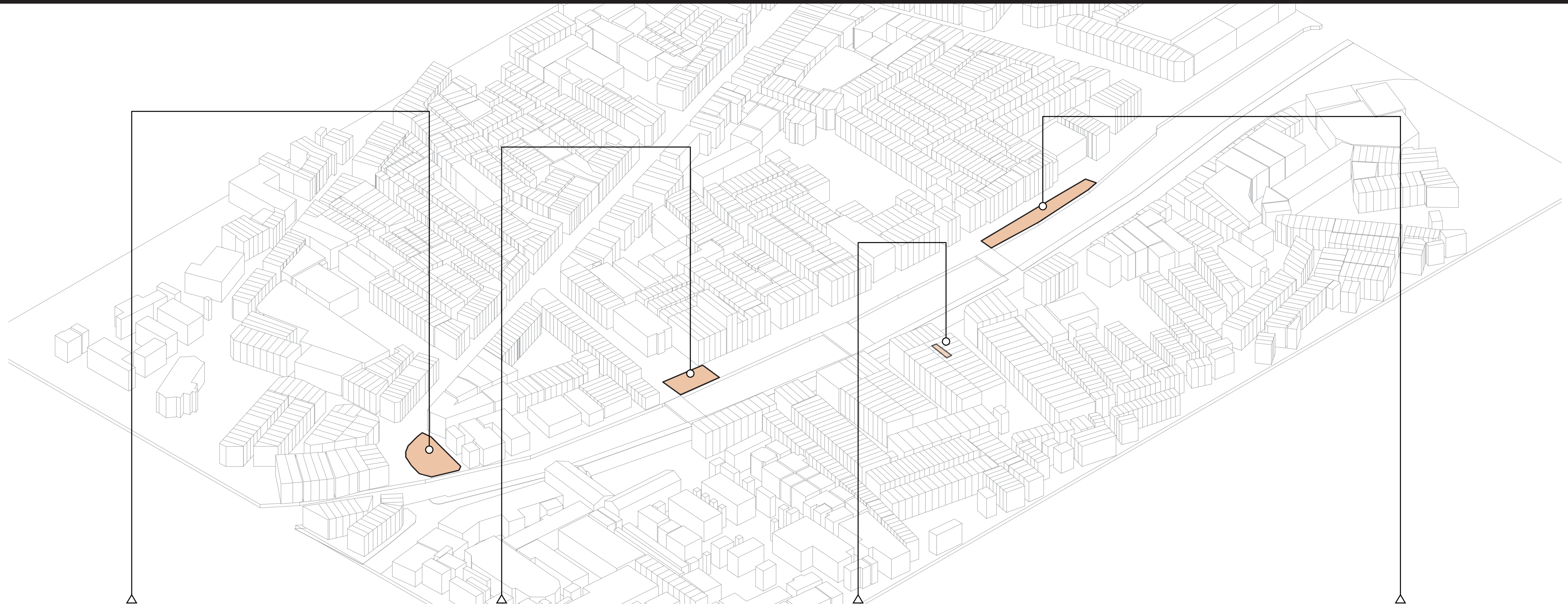


To educated that plant are not only live on the ground, water plant have plenty of benefit both direct and indirectly to water and aquatic such as improve water quality as well as produce food for fish and other aqua animal.





# SITE SELECTION



Area: 830 m<sup>2</sup>  
Existing: Chai phatthanasilpbuilding  
Status: Active  
Owner: The Crown Property Bureau.  
Strength: Distinctive point of Talad noi.  
Active program: skateboard and office



Area: 280 m<sup>2</sup>  
Existing: land encroachment  
Status: Active  
Owner: The Crown Property Bureau.  
Strength: Close to the community.  
Active program: Living home.



Area: 280 m<sup>2</sup>  
Existing: Private house  
Status: Active  
Owner: Private  
Ownership  
Strength: Close to many transporatation.  
Active program: Living home.



Area: 280 m<sup>2</sup>  
Existing: land encroachment  
Status: Active  
Owner: The Crown Property Bureau.  
Strength: Close to Hualampong station  
Active program: Car parking






FORREST 1






FORREST 2



CANEL PARK



FORREST 3



FORREST 4

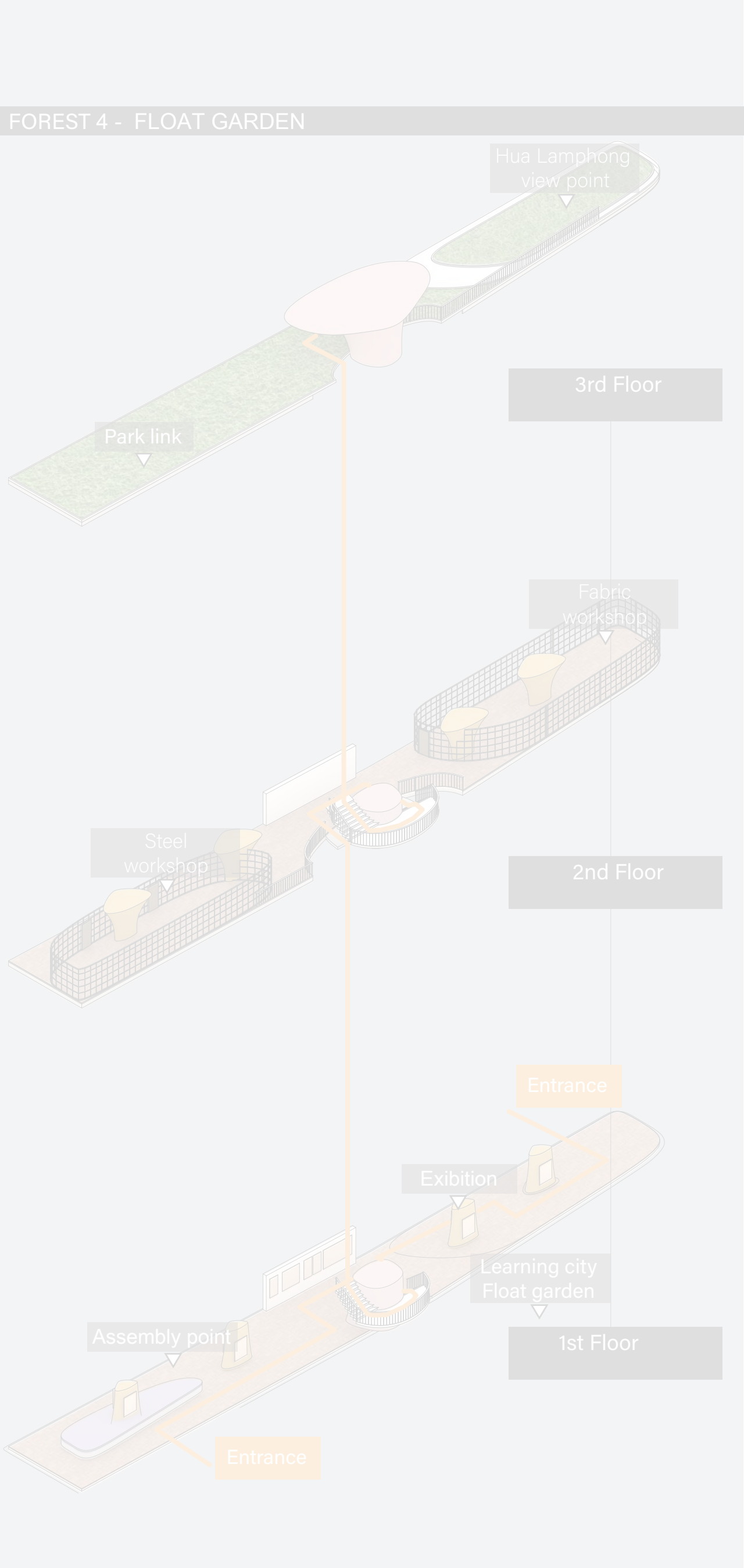
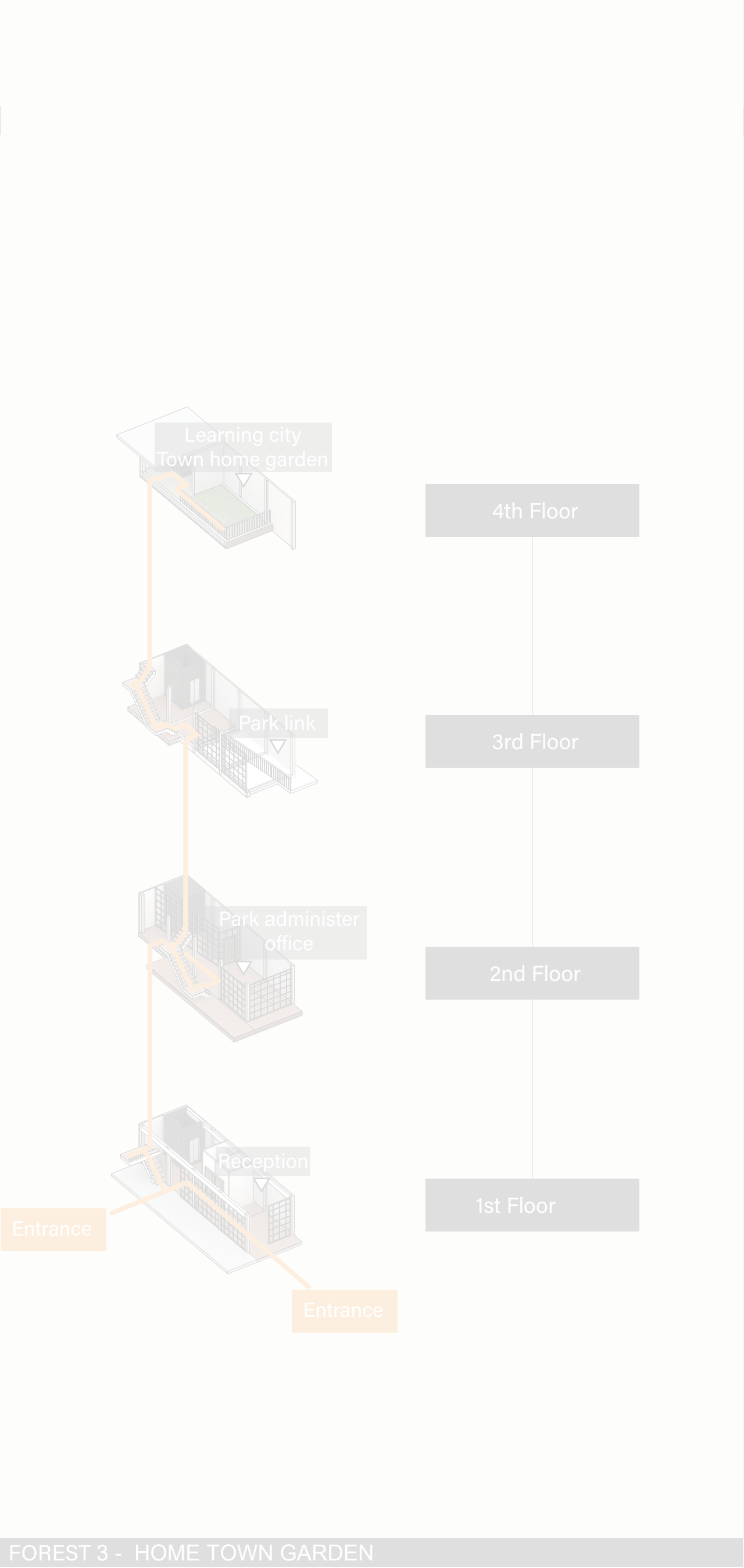
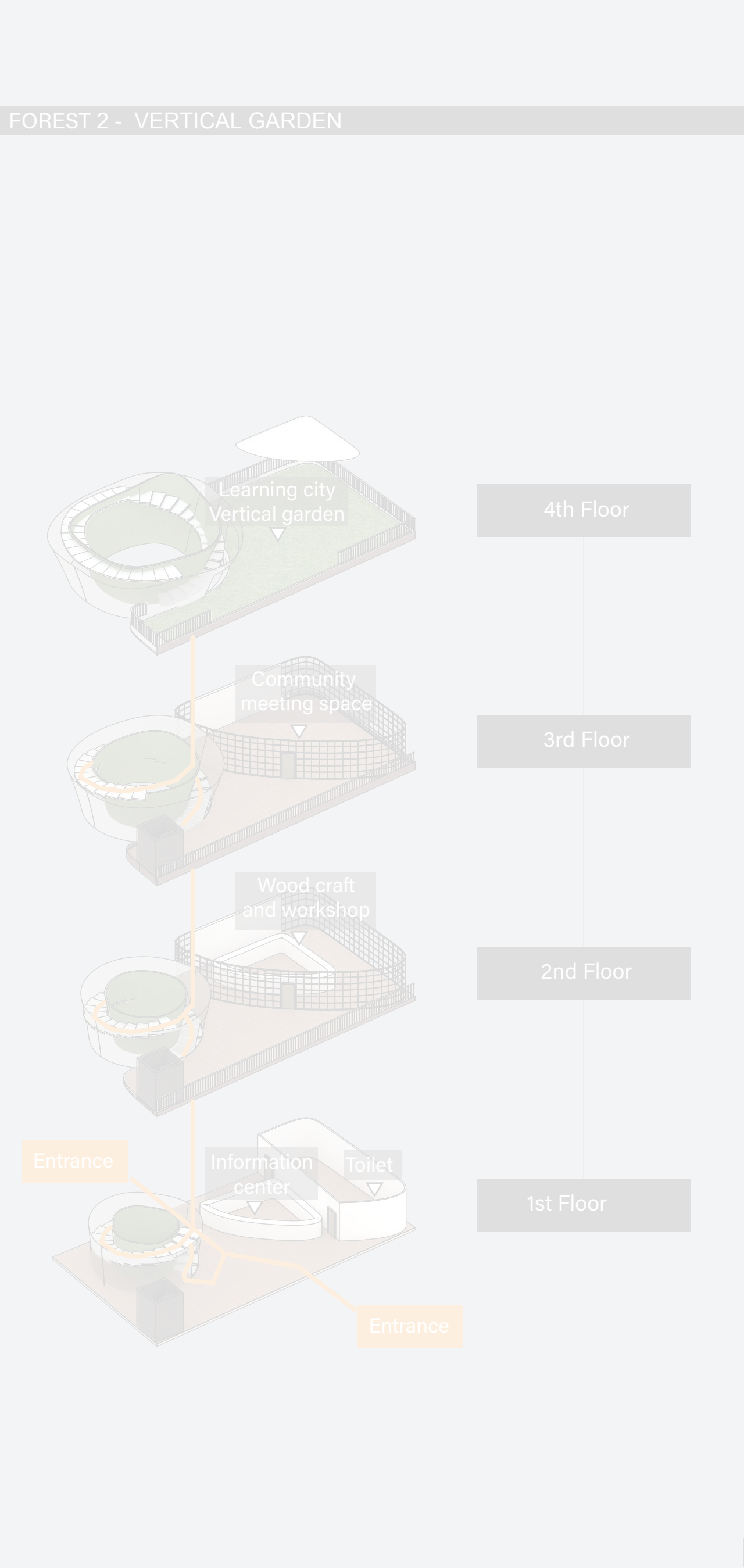
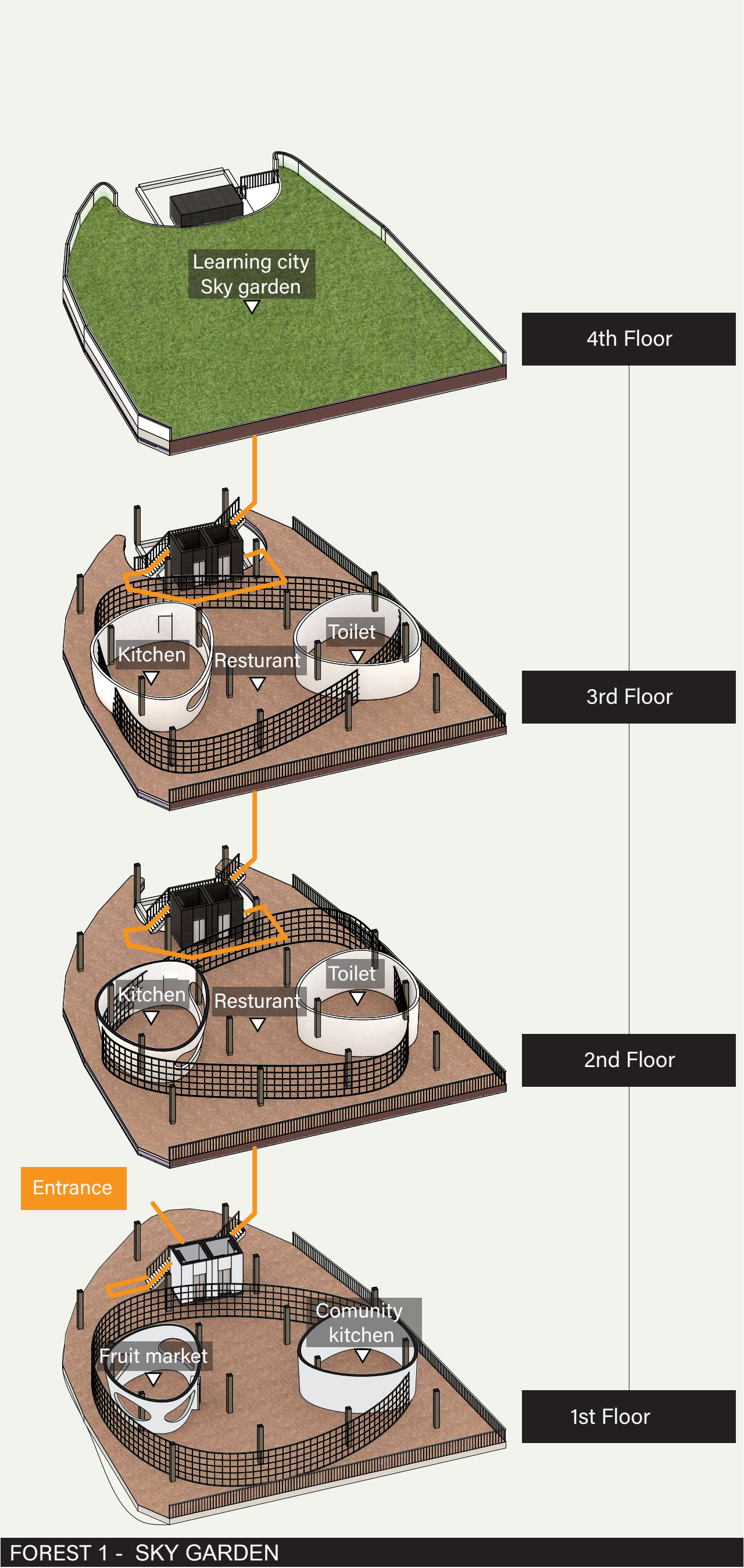
BUILDING ARRANGE PROGRAM



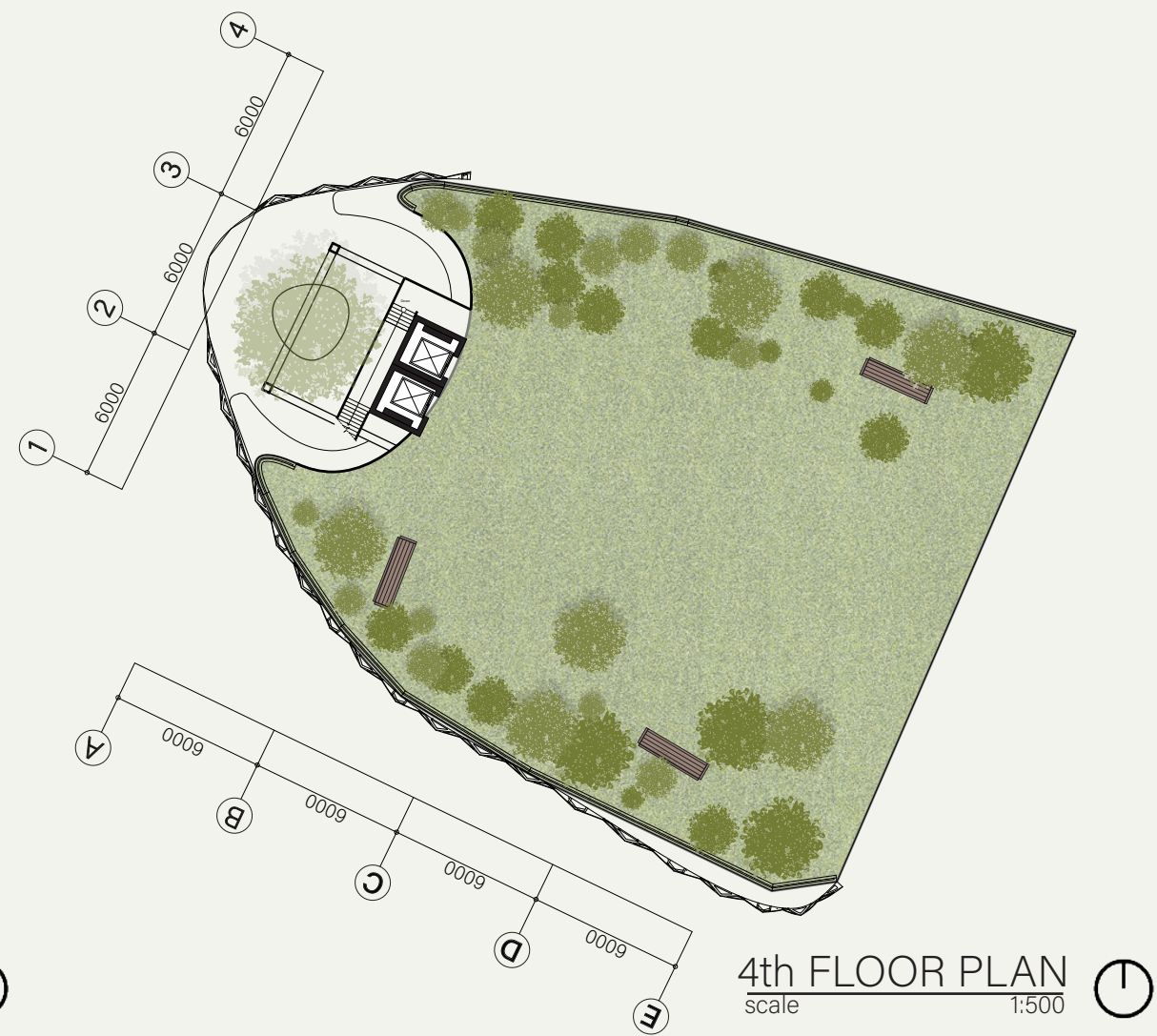
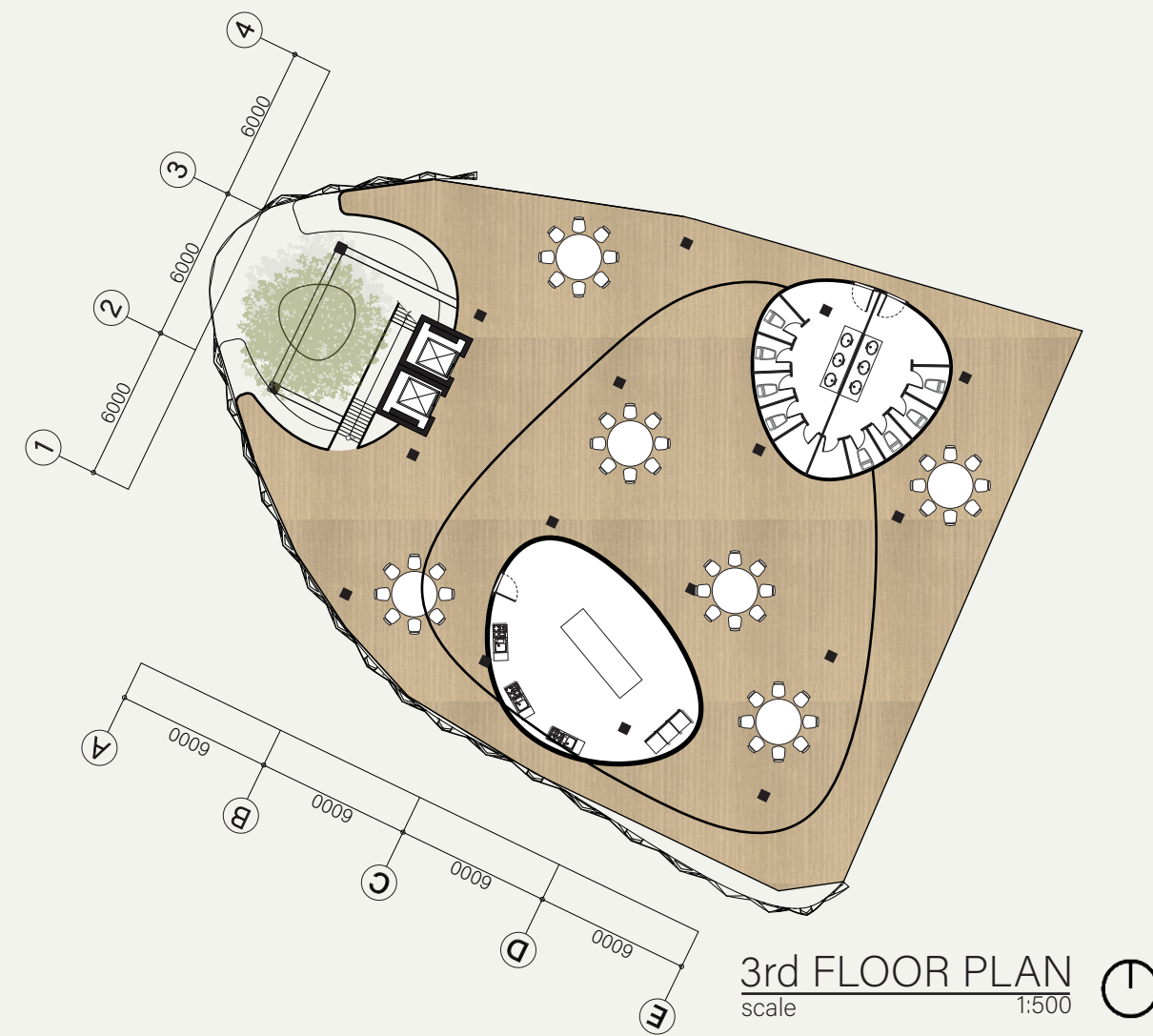
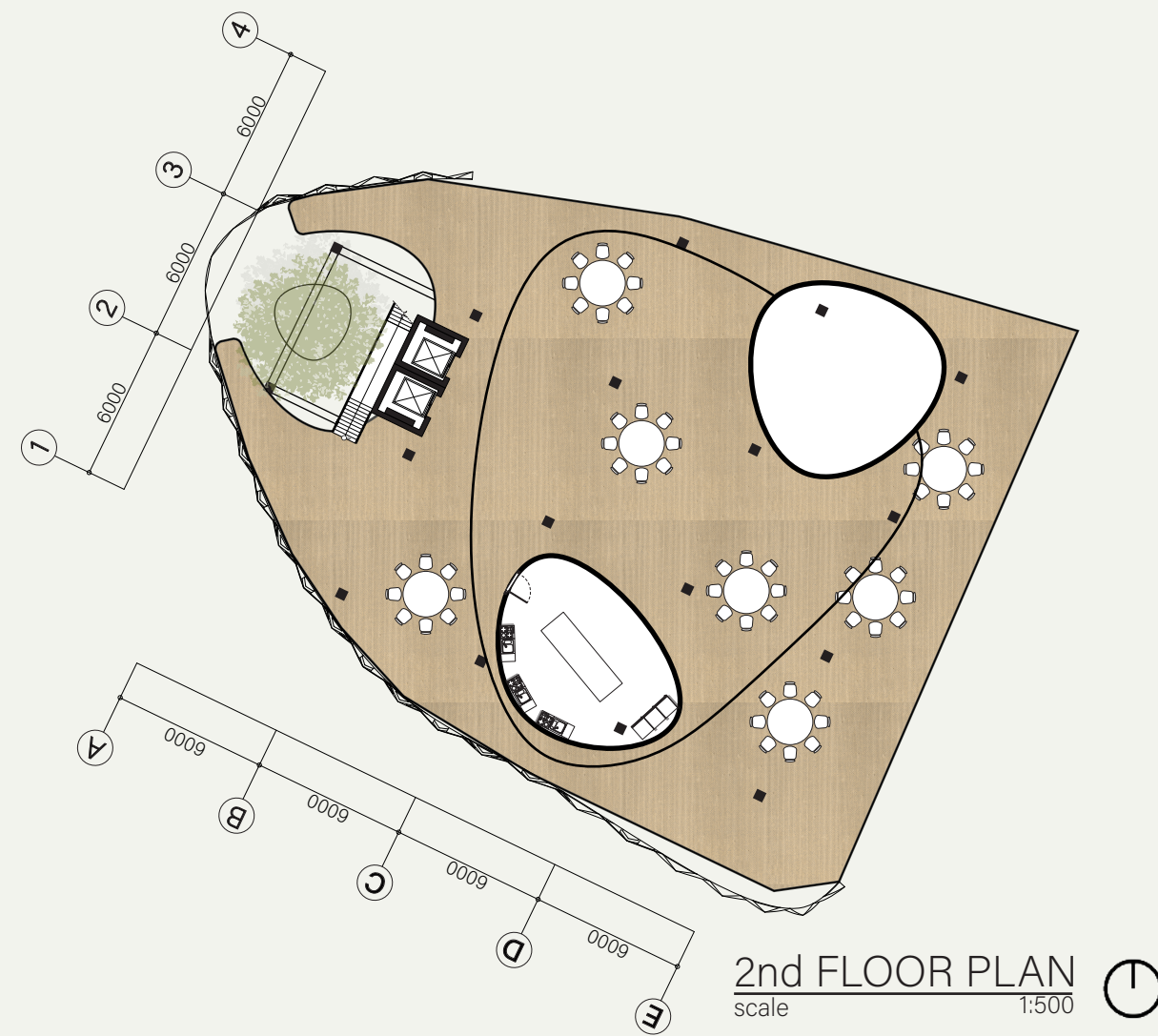
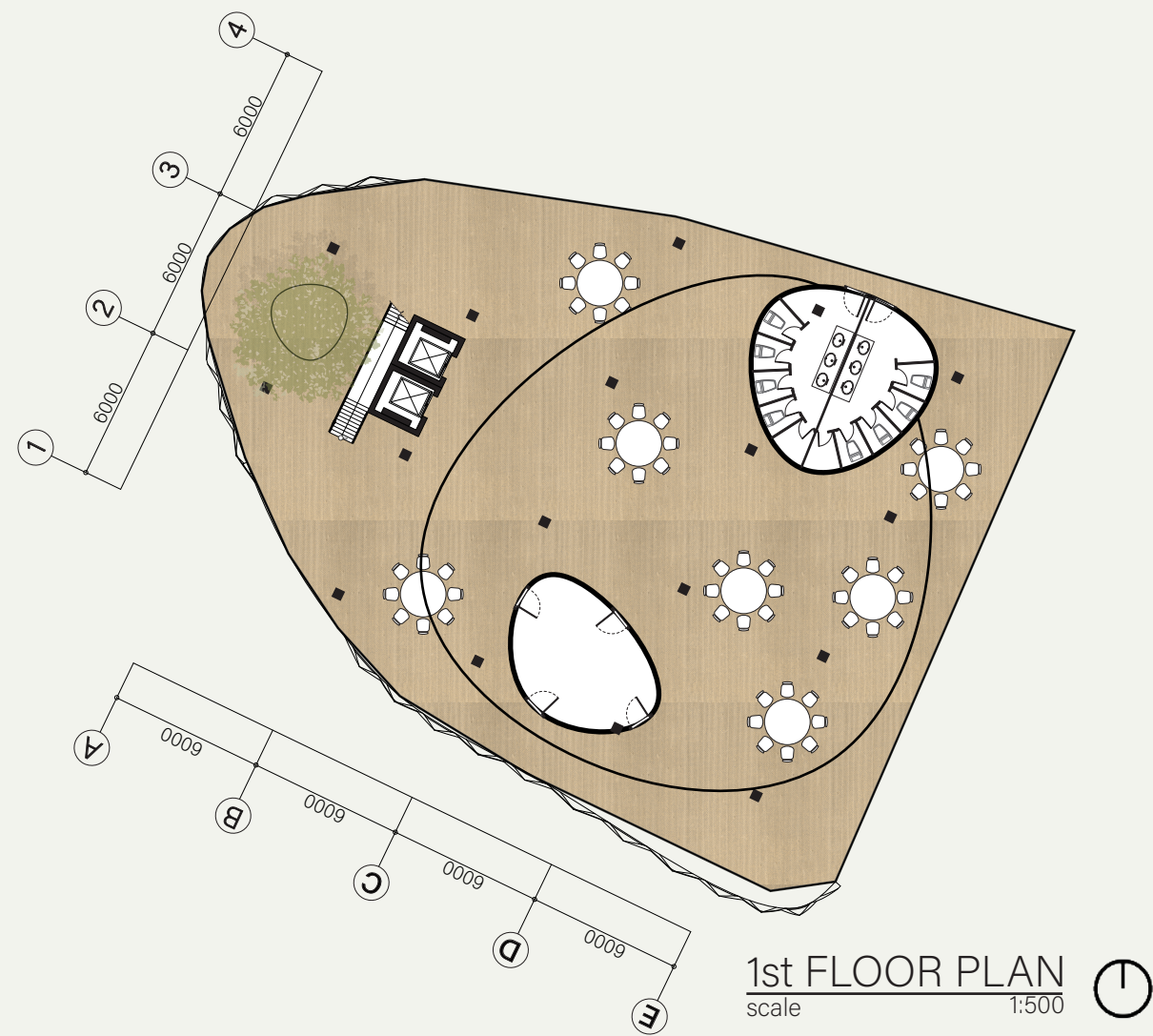
# FOREST 1 - SKY GARDEN



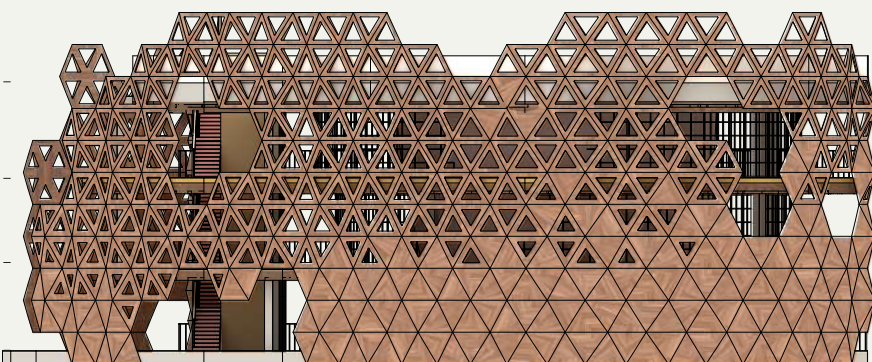








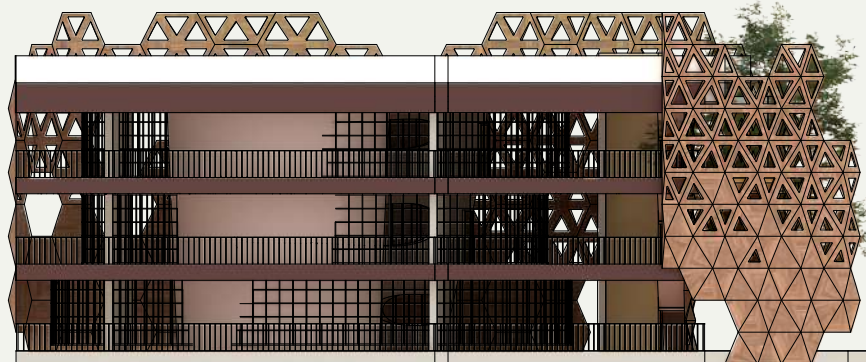
▼Roof Fl. level +13.4 m. \_ \_ \_  
▼4th Fl. level +10.1 m. \_ \_ \_  
▼3rd Fl. level +6.8 m. \_ \_ \_  
▼2nd Fl. level +3.5 m. \_ \_ \_  
▼1st Fl. level +0.2 m. \_ \_ \_



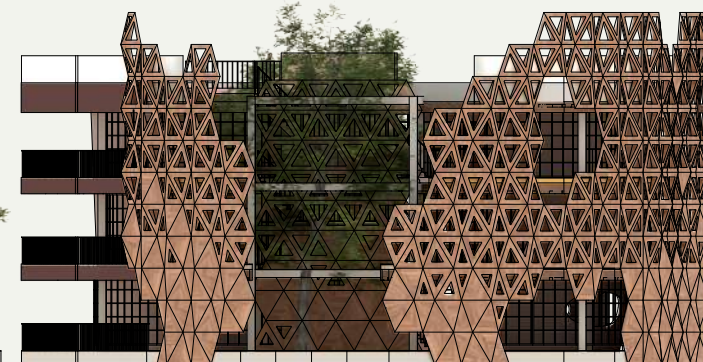
ELEVATION A  
Scale 1:500



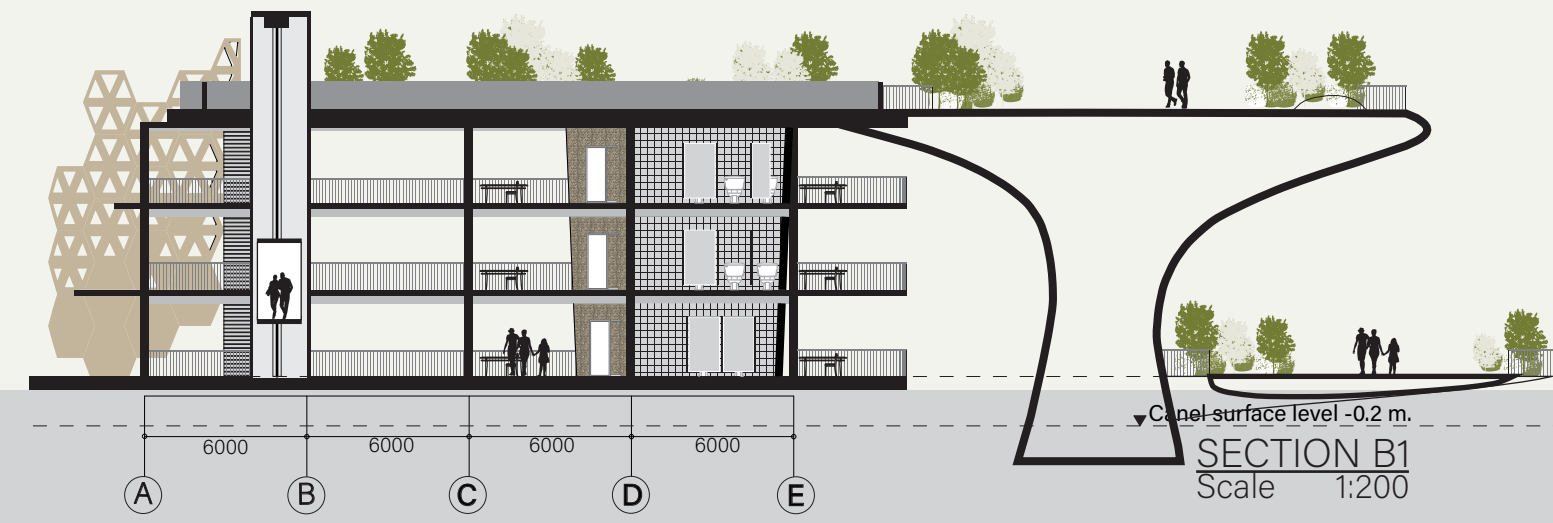
ELEVATION B  
Scale 1:500



ELEVATION C  
Scale 1:500



ELEVATION D  
Scale 1:500

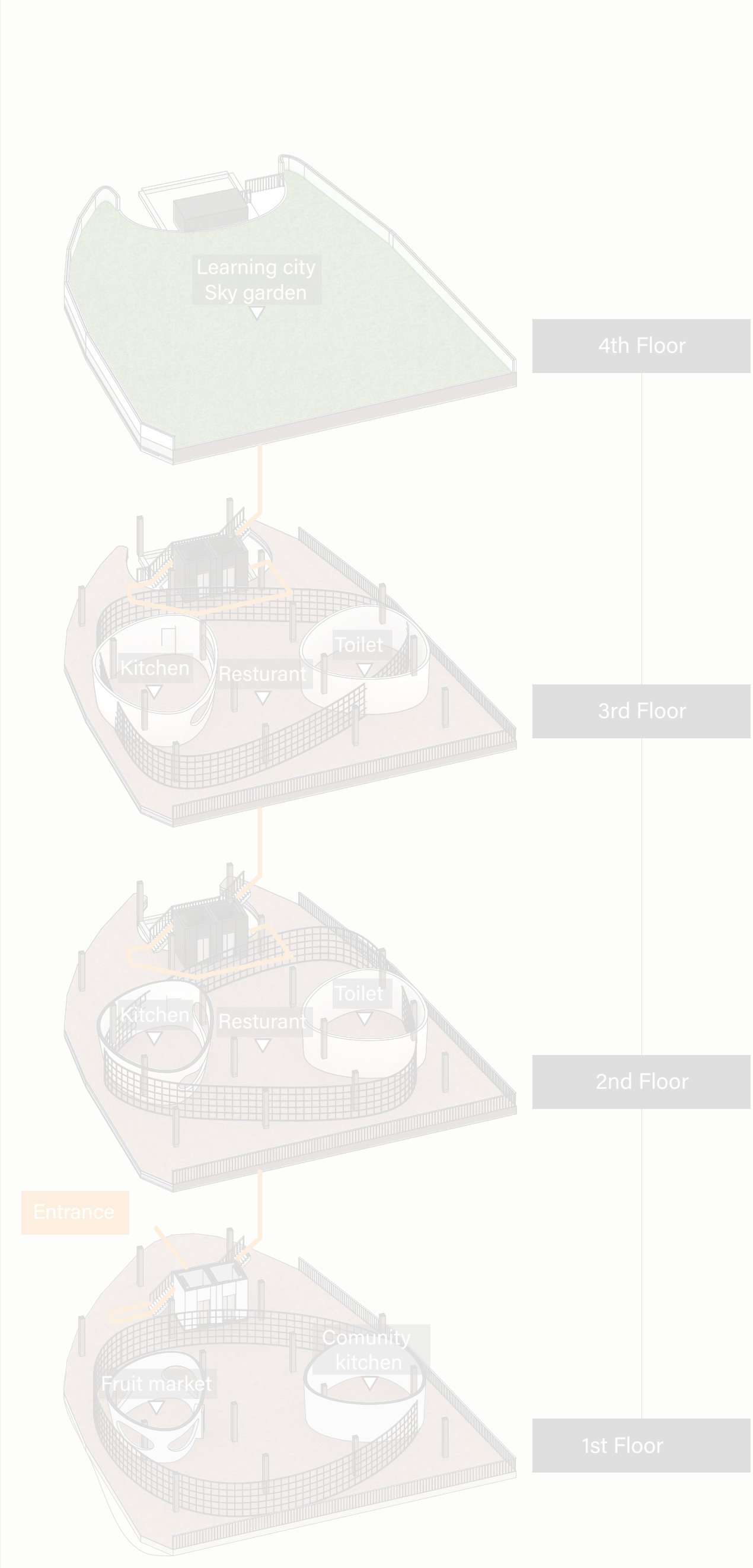




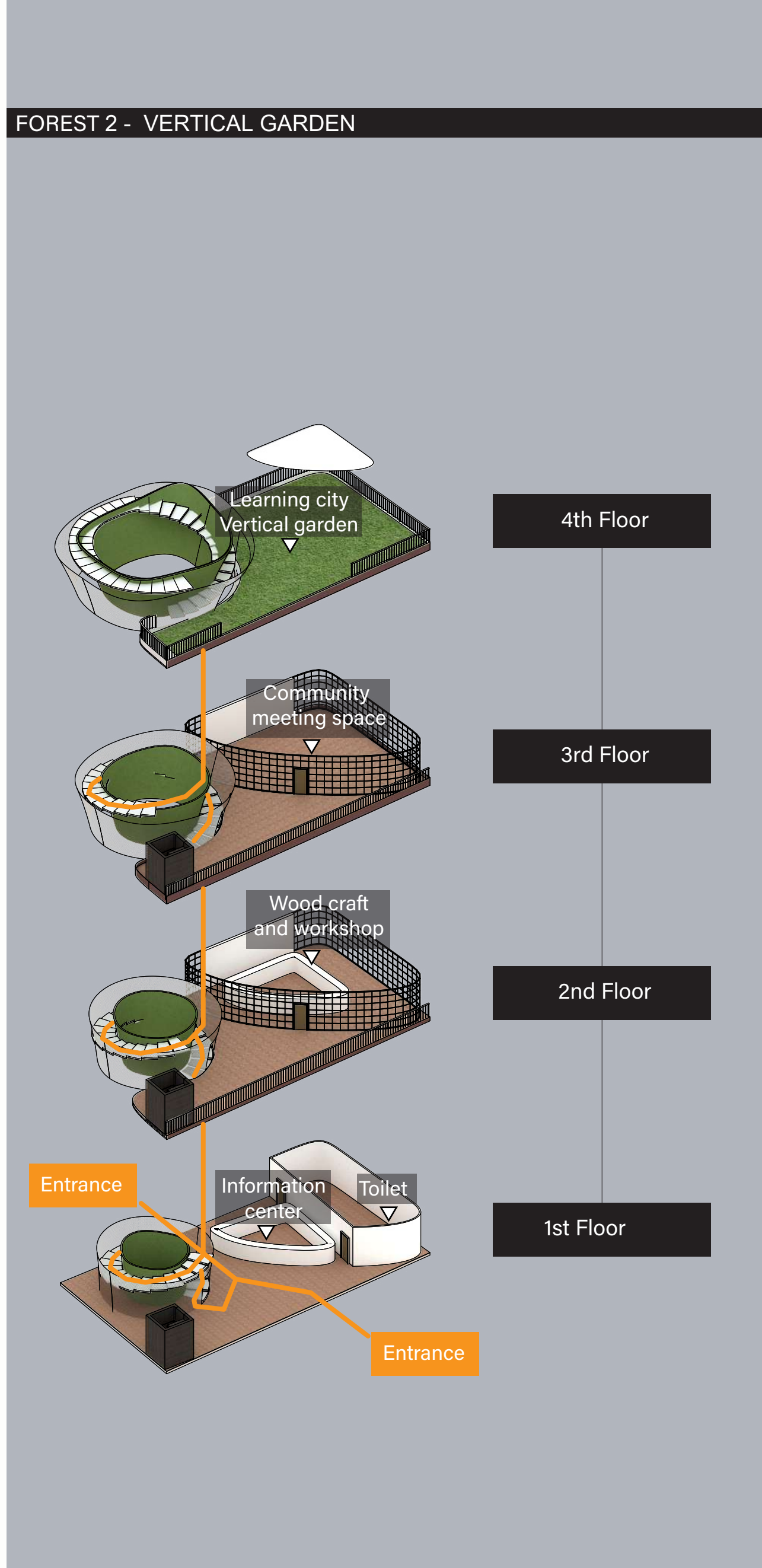
# FOREST 2 - VERTICAL GARDEN



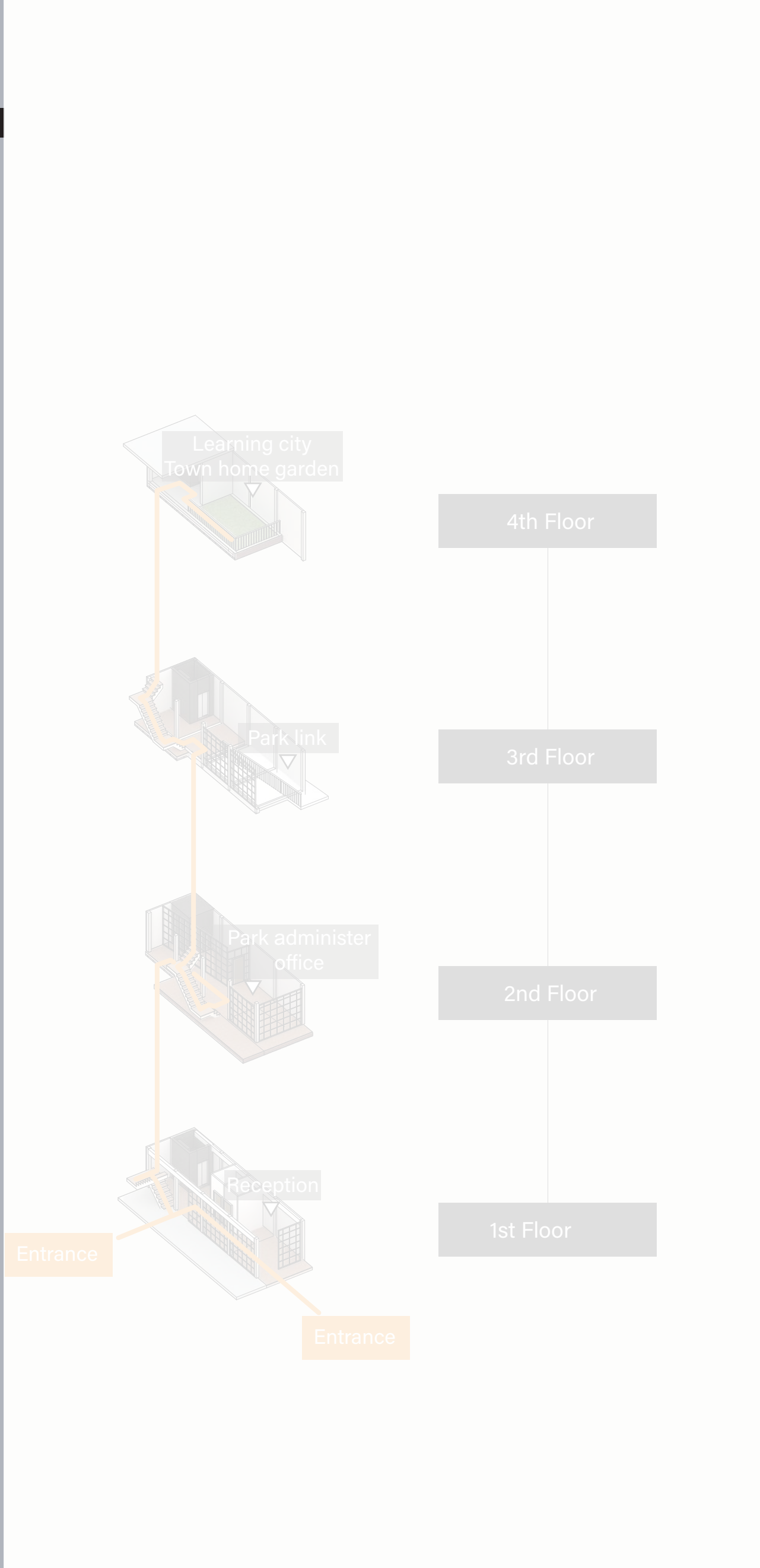




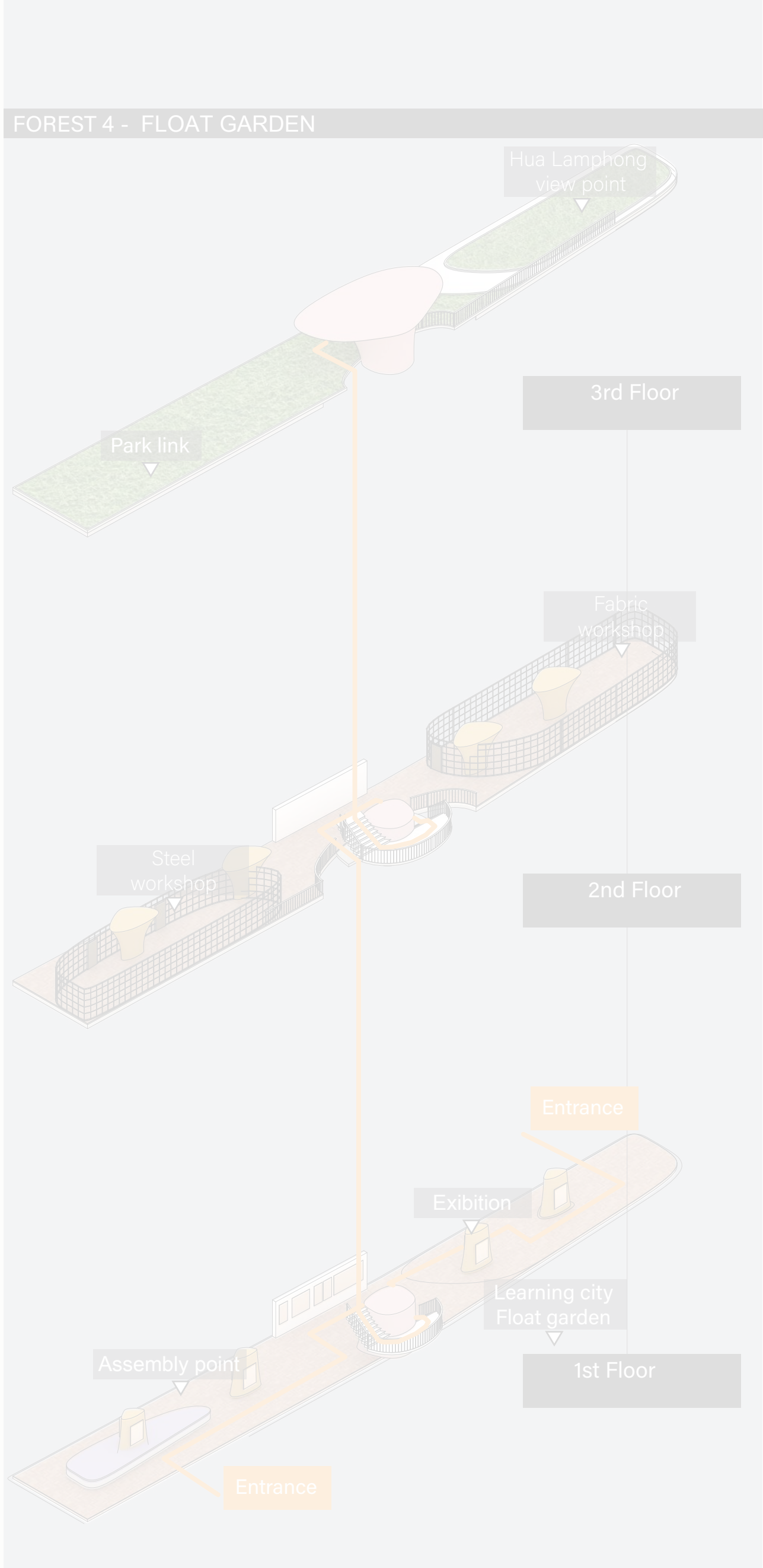
FOREST 1 - SKY GARDEN



FOREST 2 - VERTICAL GARDEN

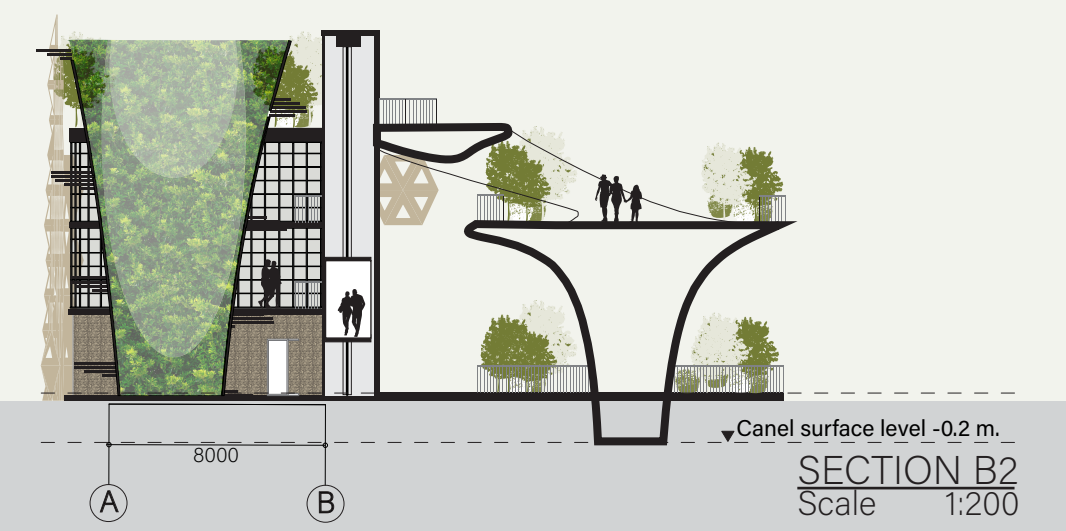
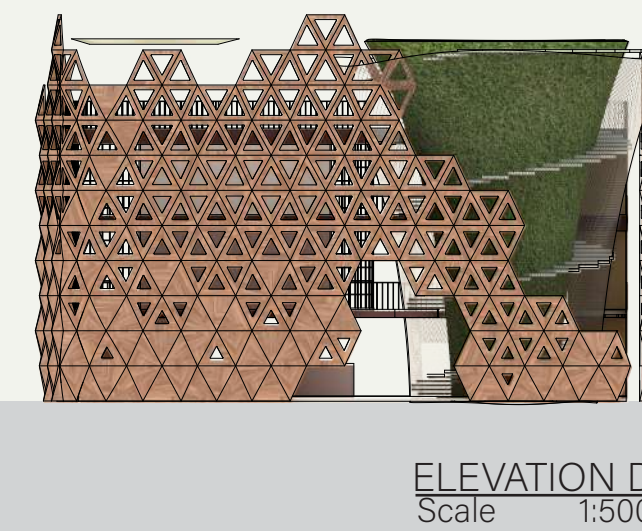
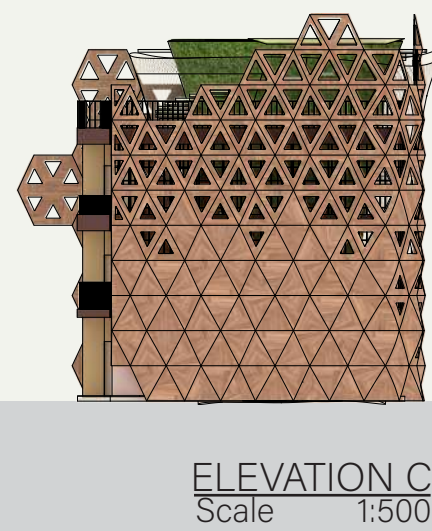
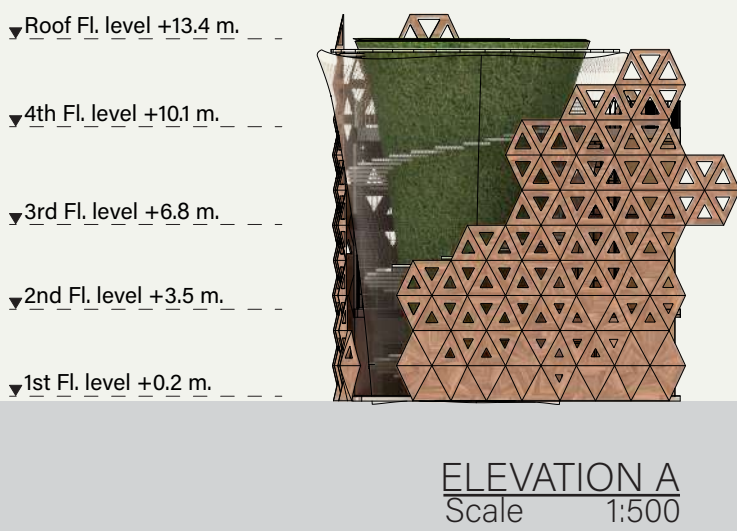
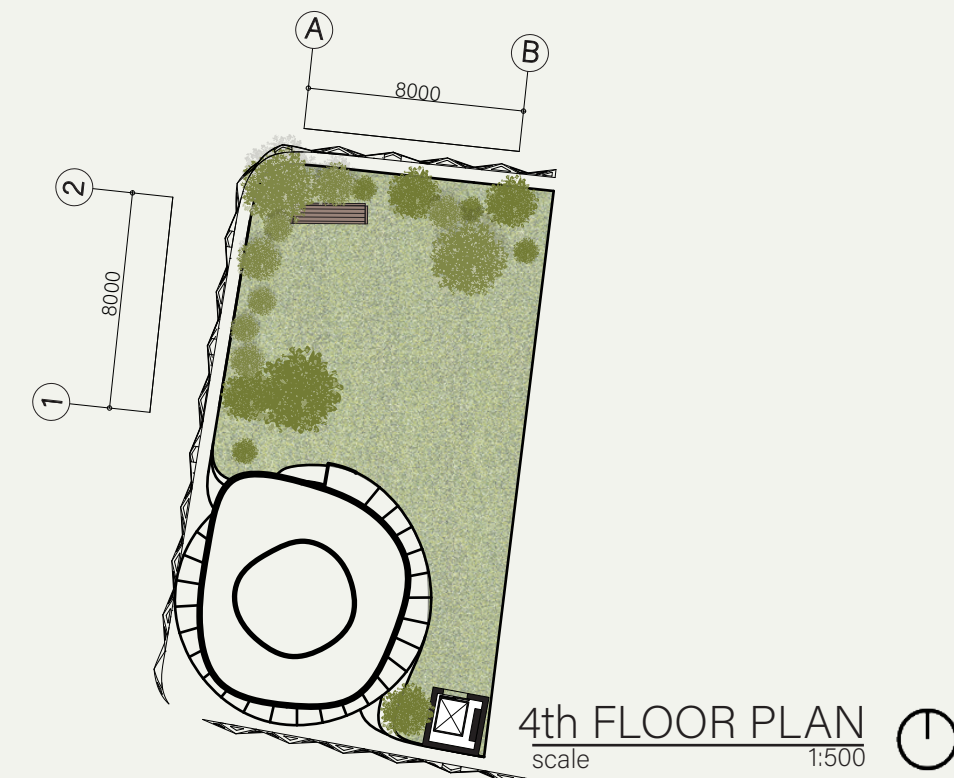
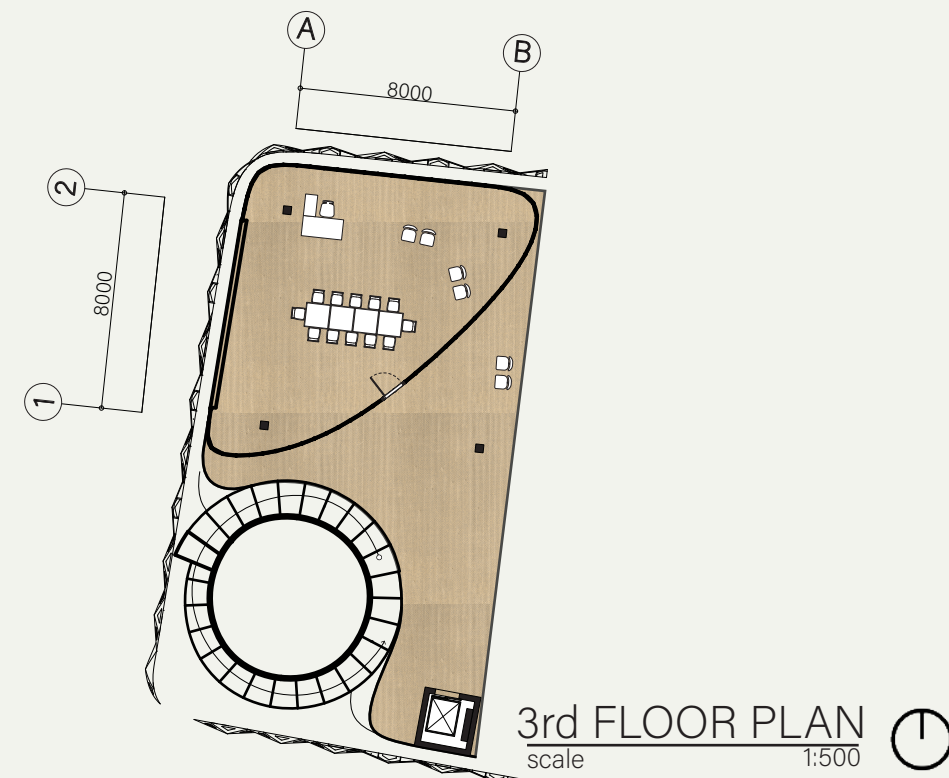
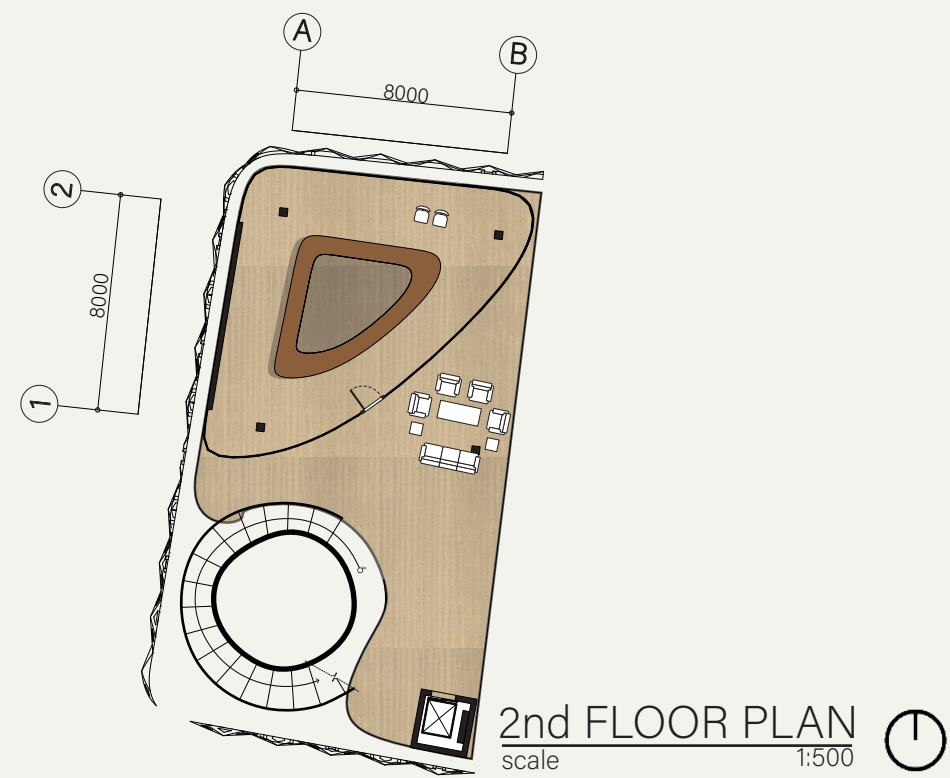
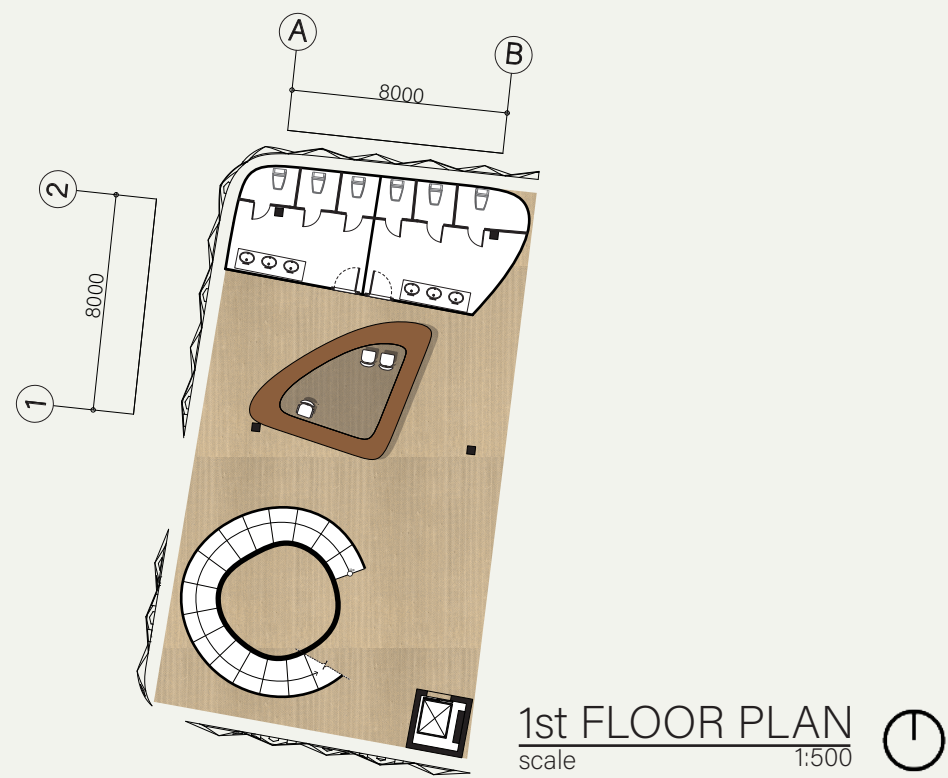


FOREST 3 - HOME TOWN GARDEN



FOREST 4 - FLOAT GARDEN





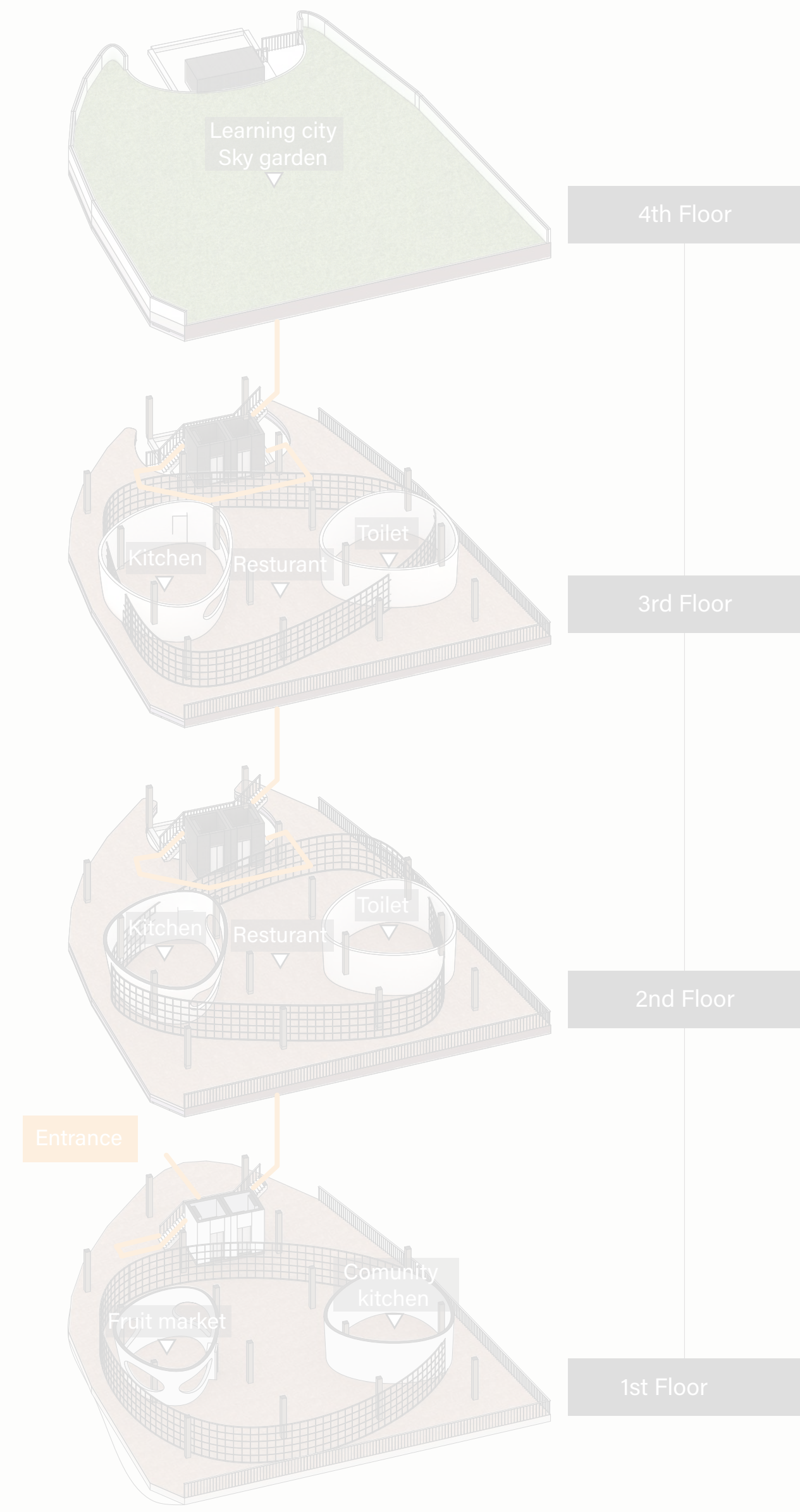


# FOREST 3 - HOME TOWN GARDEN

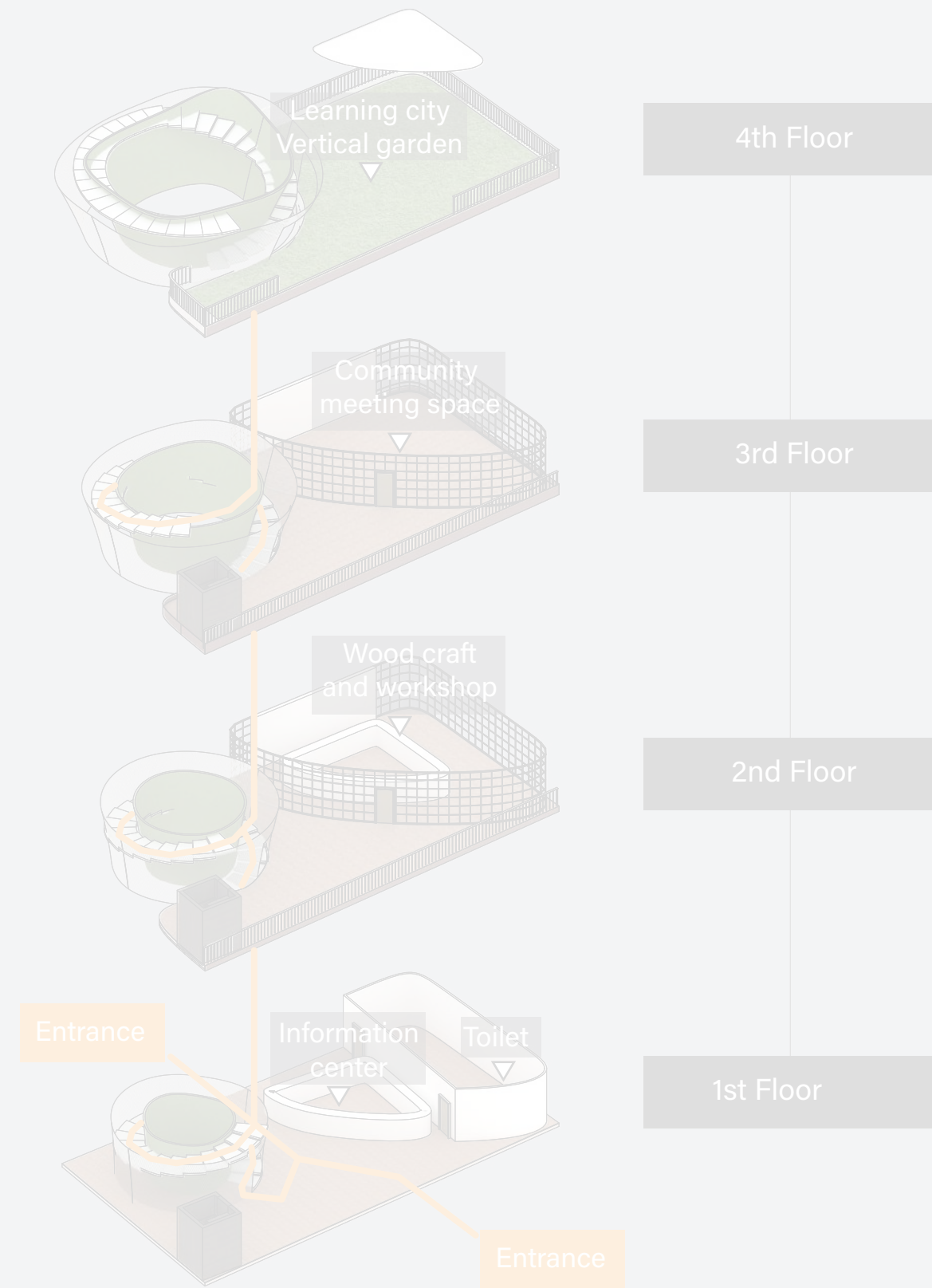




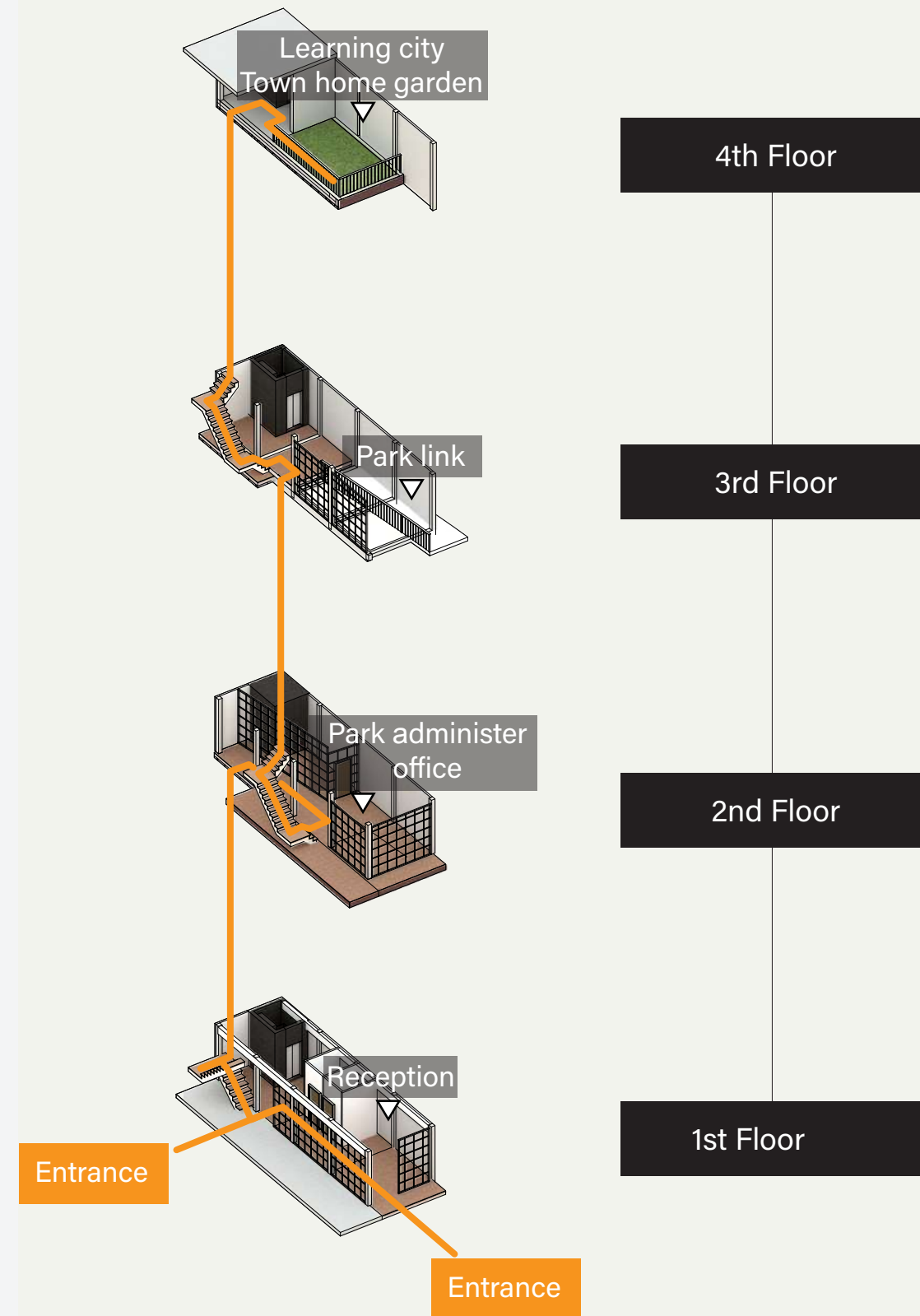
FOREST 1 - SKY GARDEN



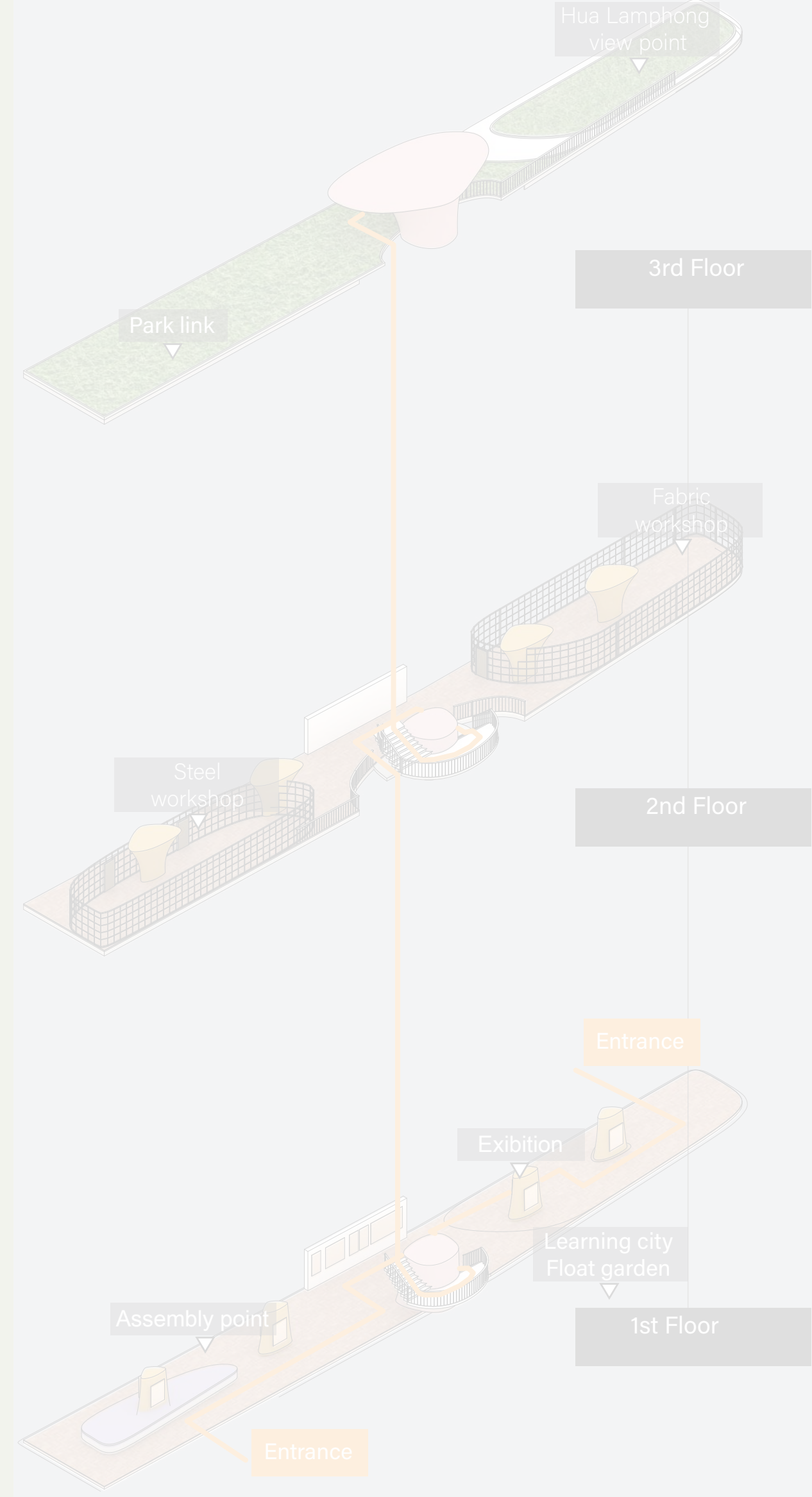
FOREST 2 - VERTICAL GARDEN



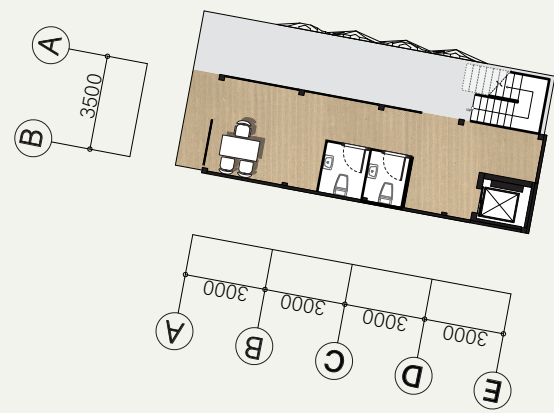
FOREST 3 - HOME TOWN GARDEN



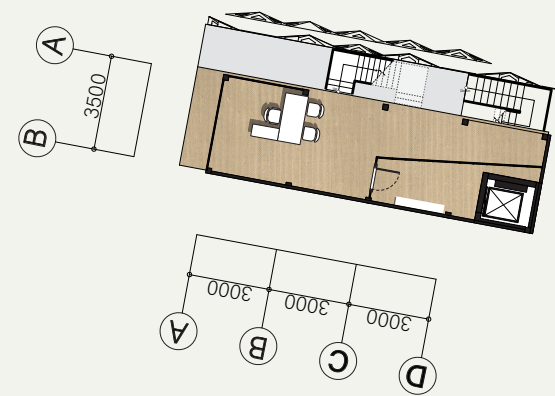
FOREST 4 - FLOAT GARDEN



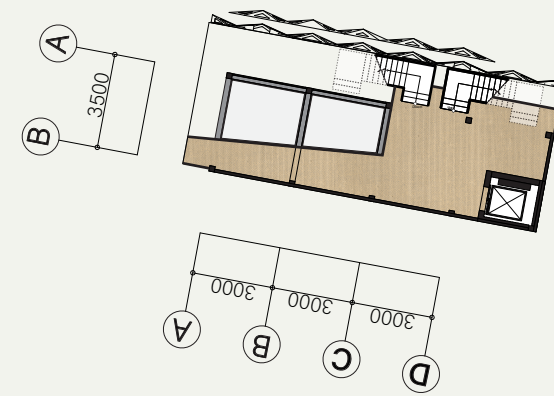




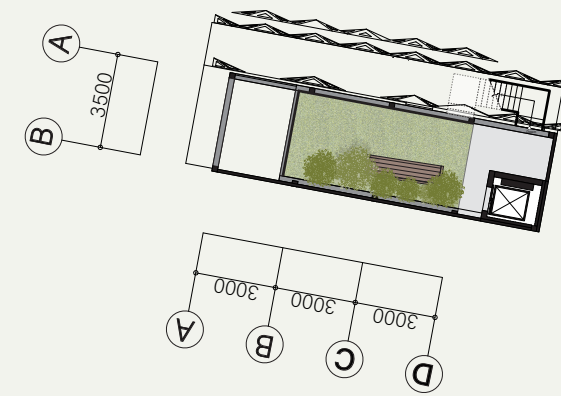
1st FLOOR PLAN  
scale 1:500



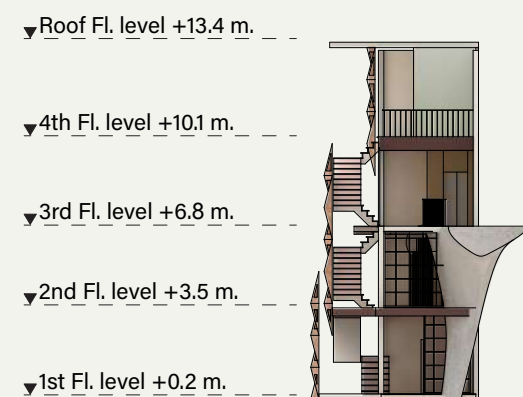
2nd FLOOR PLAN  
scale 1:500



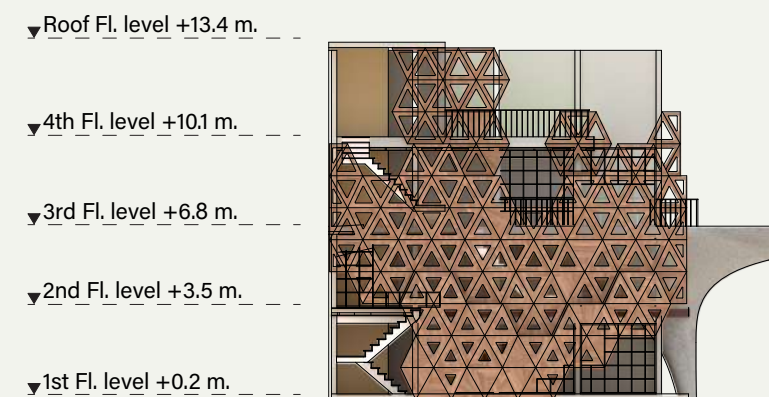
1st FLOOR PLAN  
scale 1:500



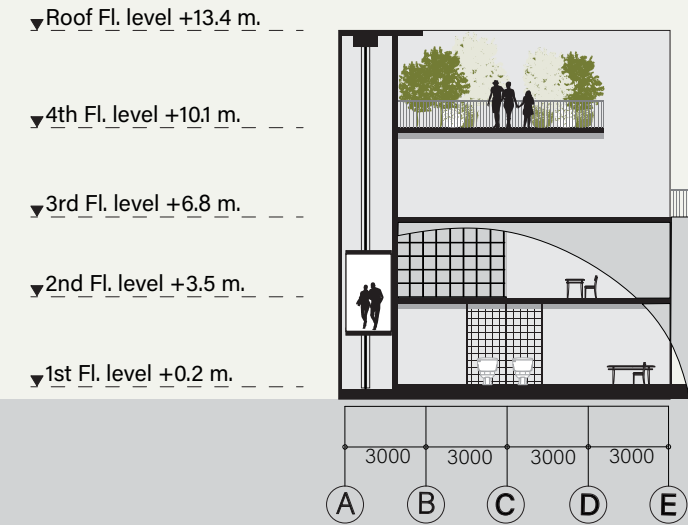
1st FLOOR PLAN  
scale 1:500



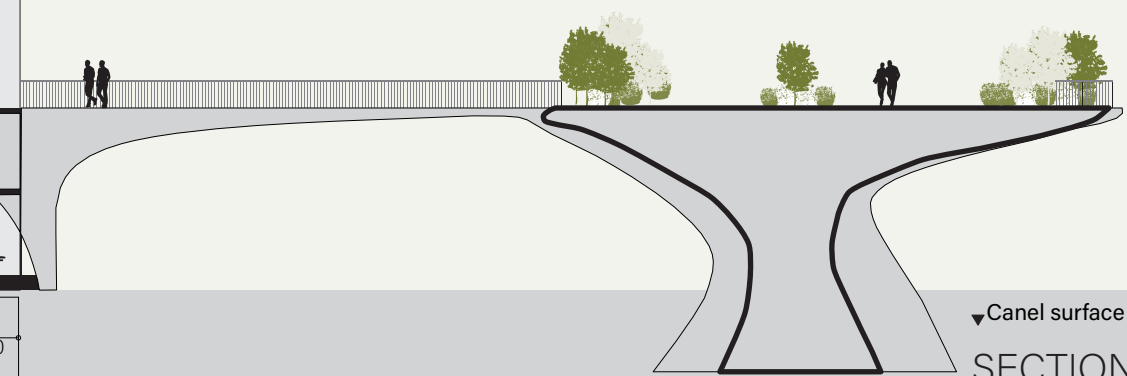
ELEVATION A  
Scale 1:500



ELEVATION B  
Scale 1:500



SECTION B3  
Scale 1:200



SECTION B3  
Scale 1:200

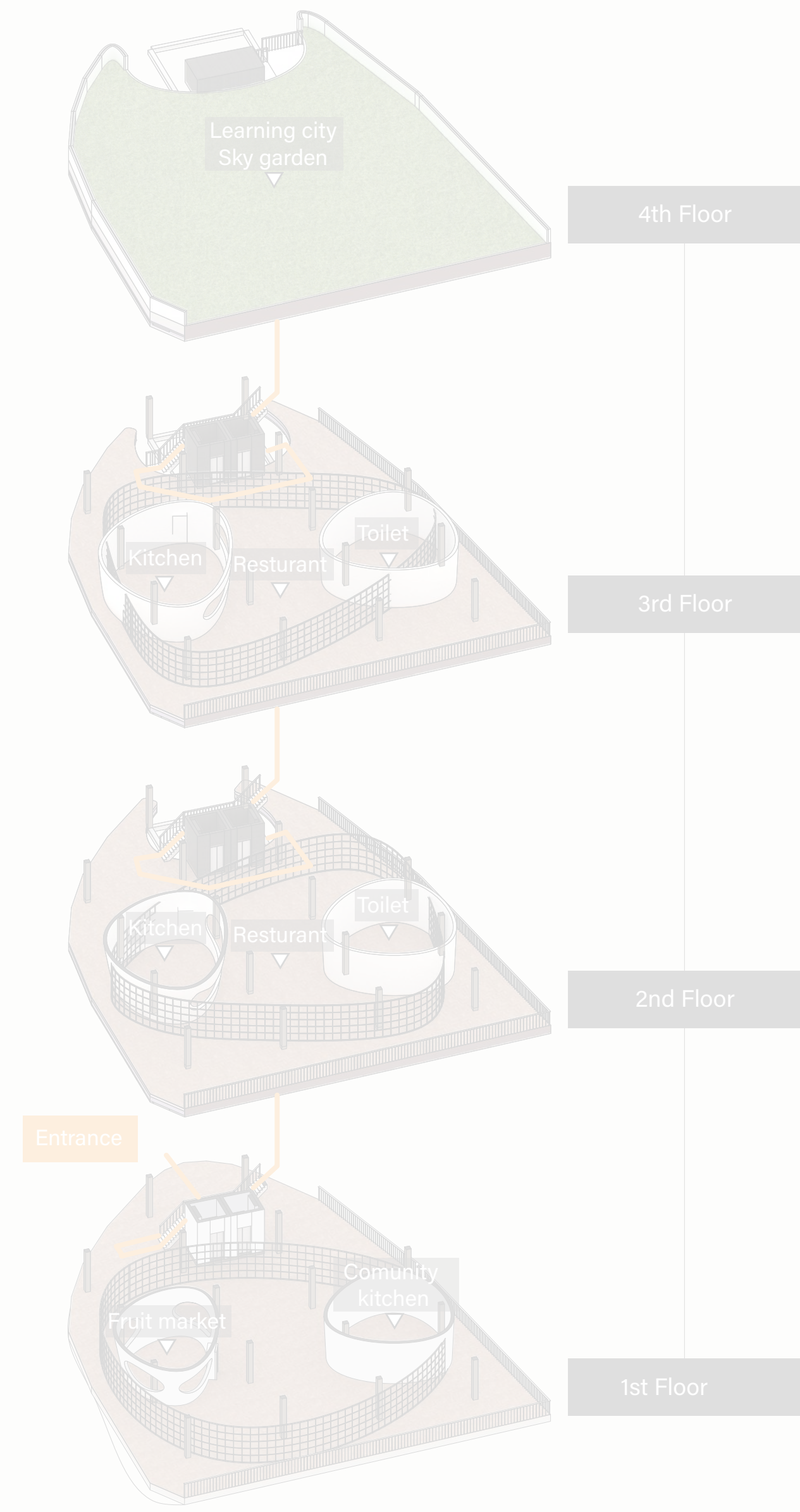


# FOREST 4 - FLOAT GARDEN

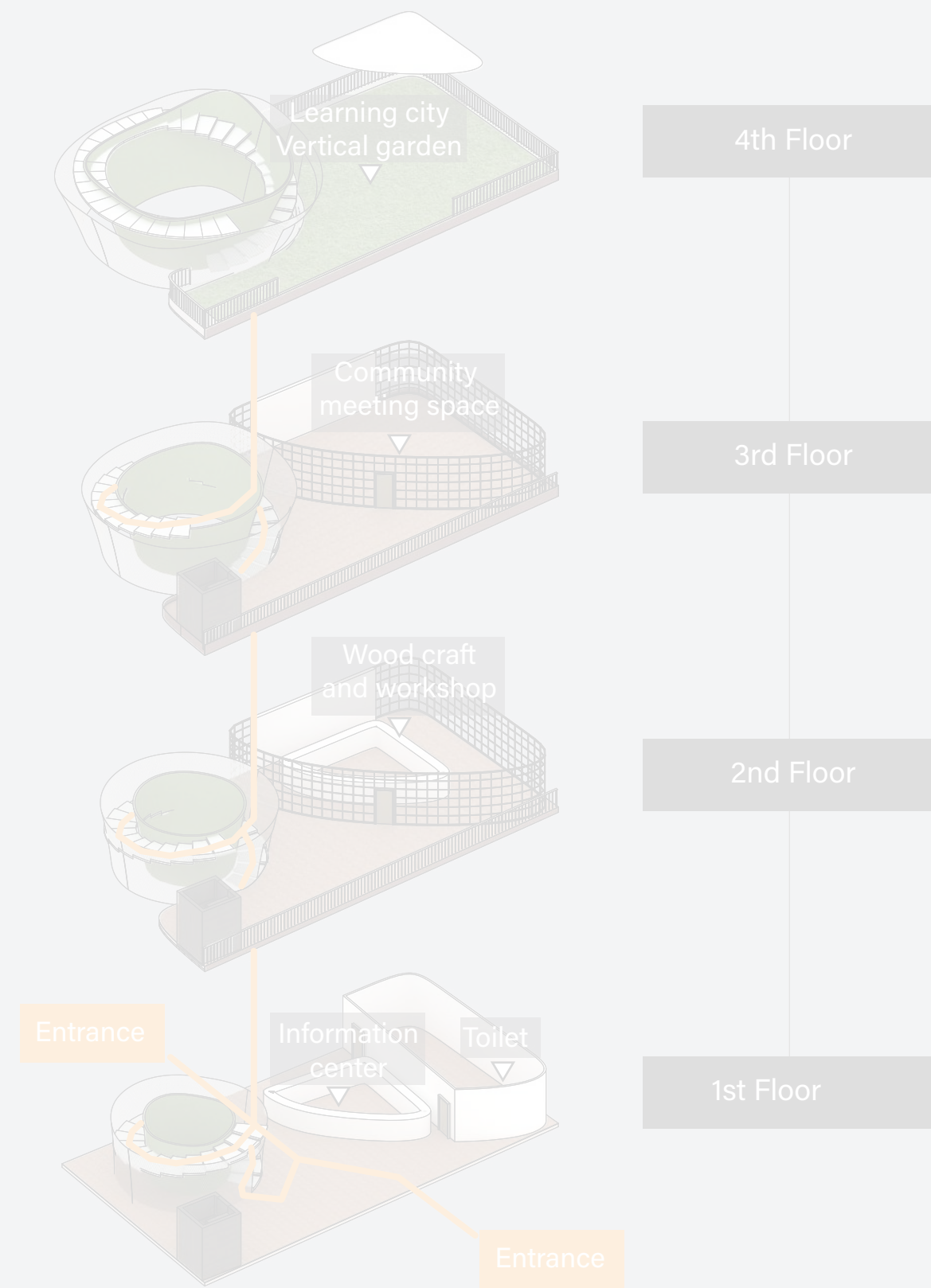




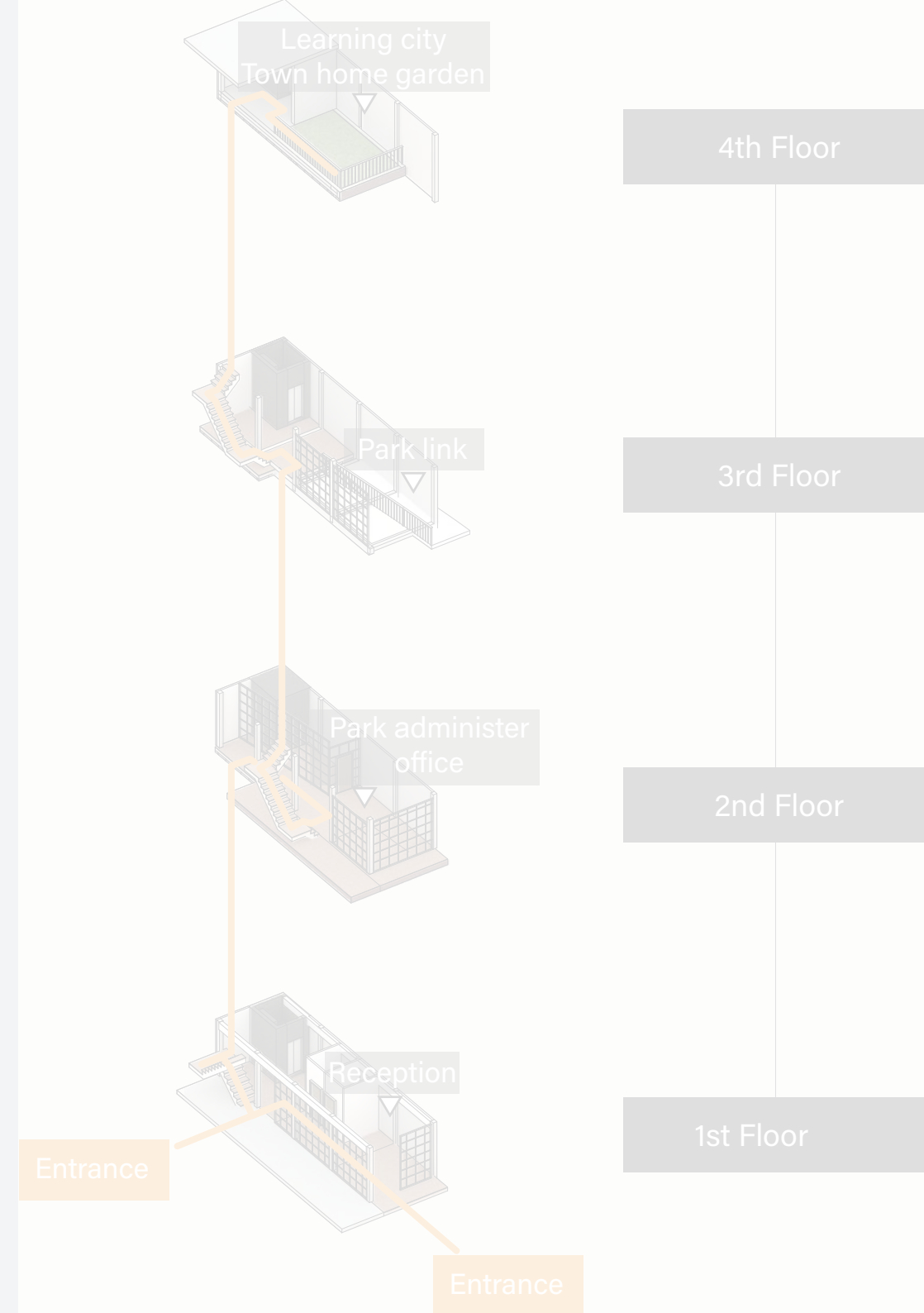
FOREST 1 - SKY GARDEN



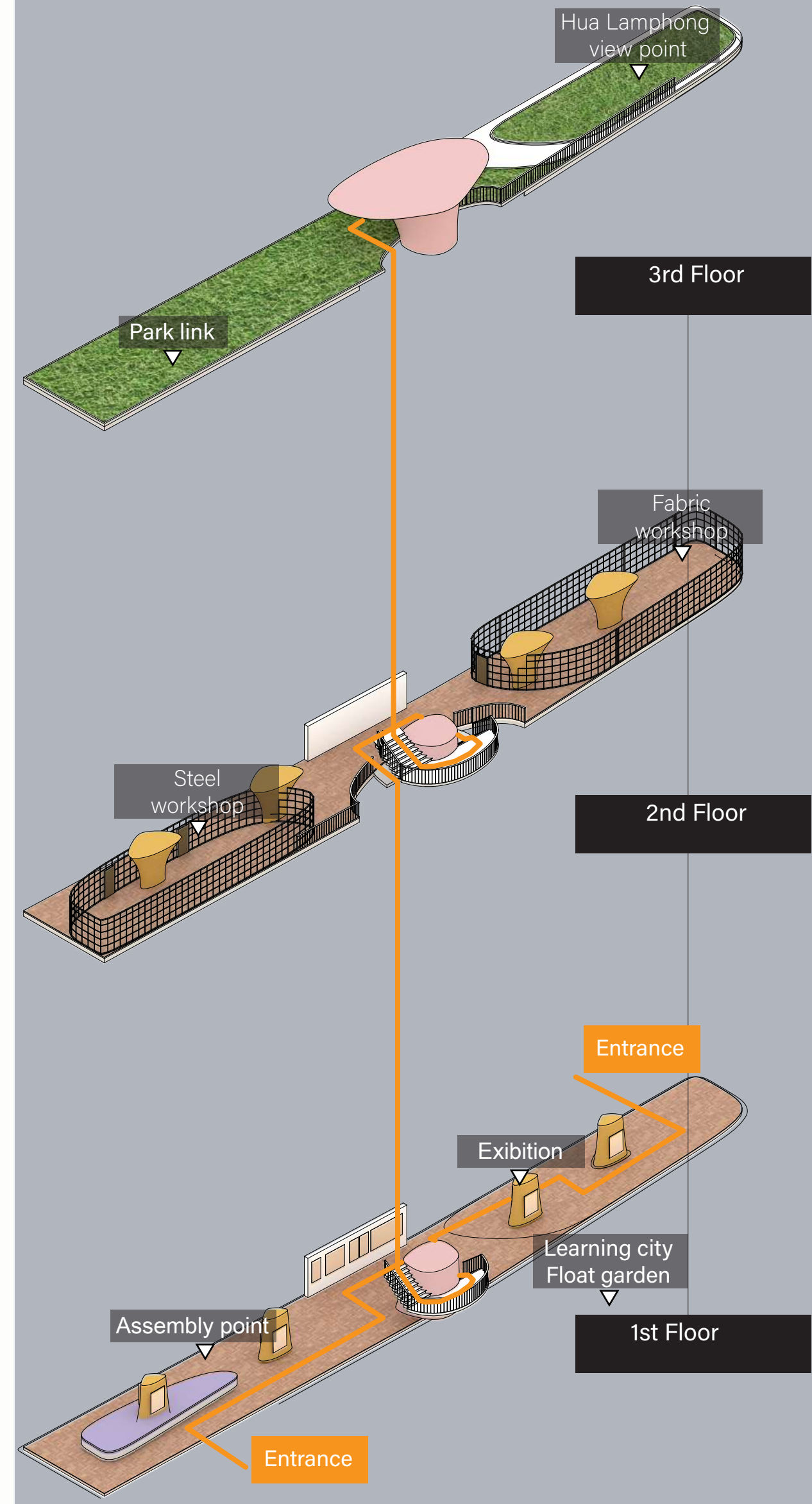
FOREST 2 - VERTICAL GARDEN



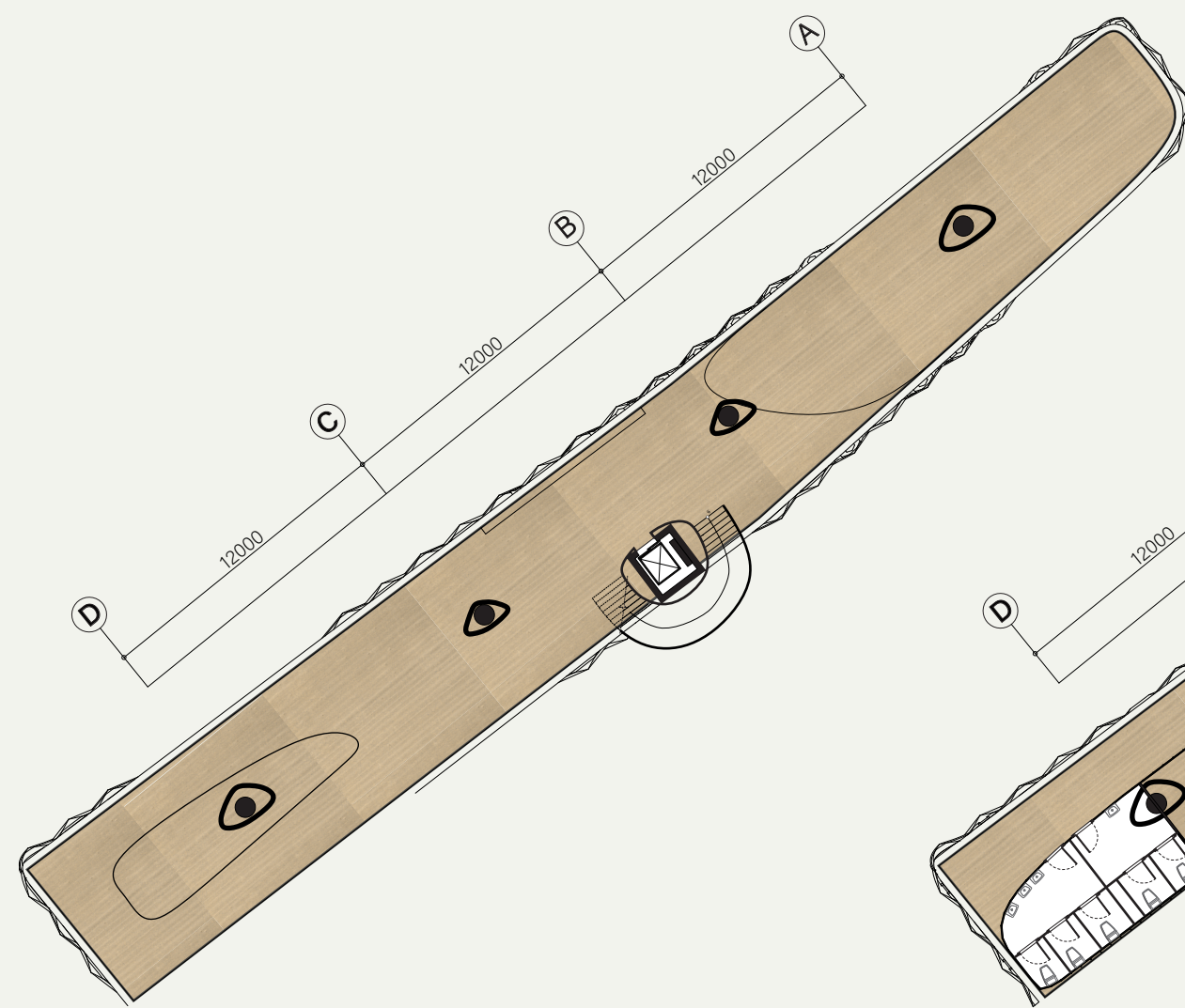
FOREST 3 - HOME TOWN GARDEN



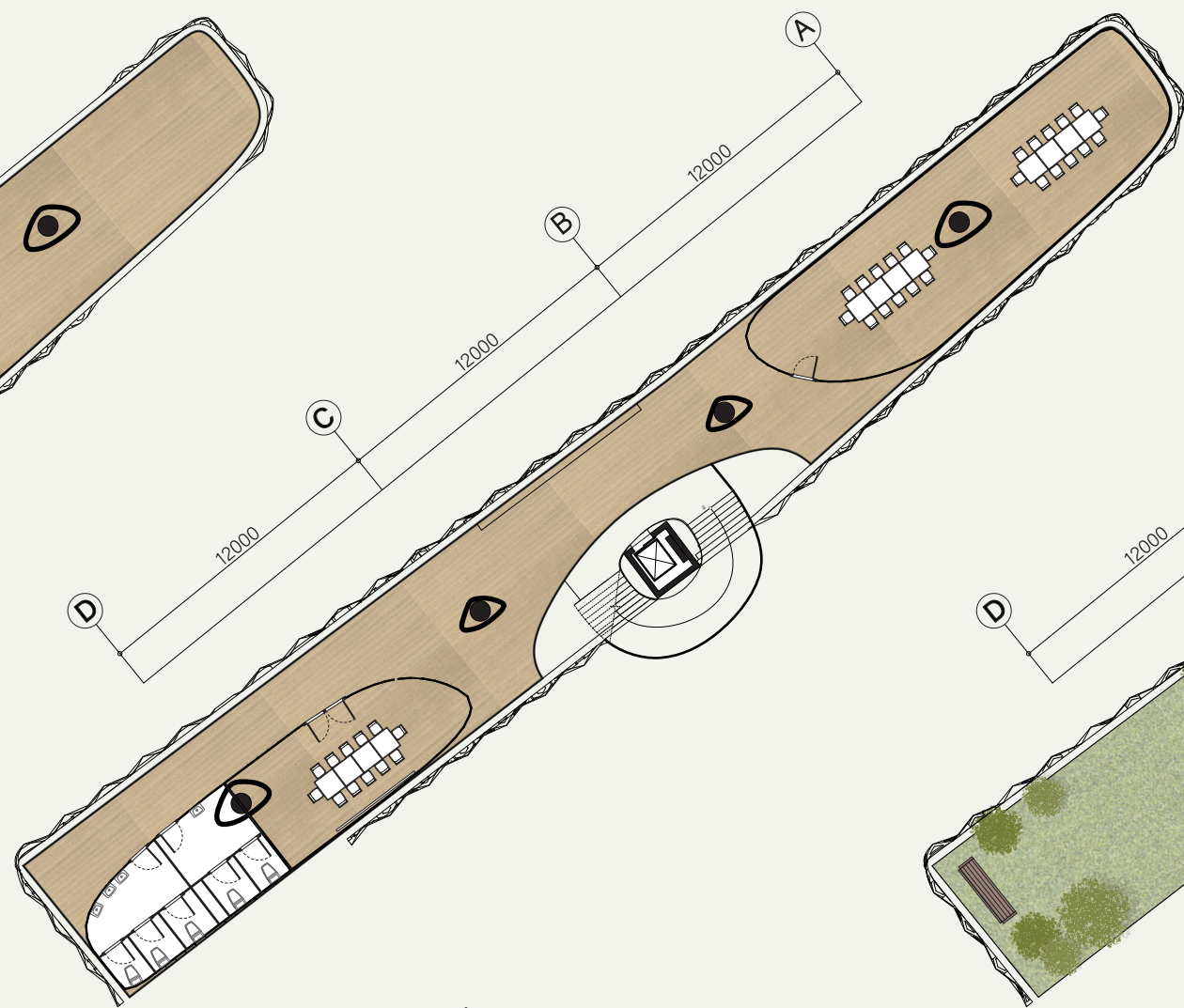
FOREST 4 - FLOAT GARDEN



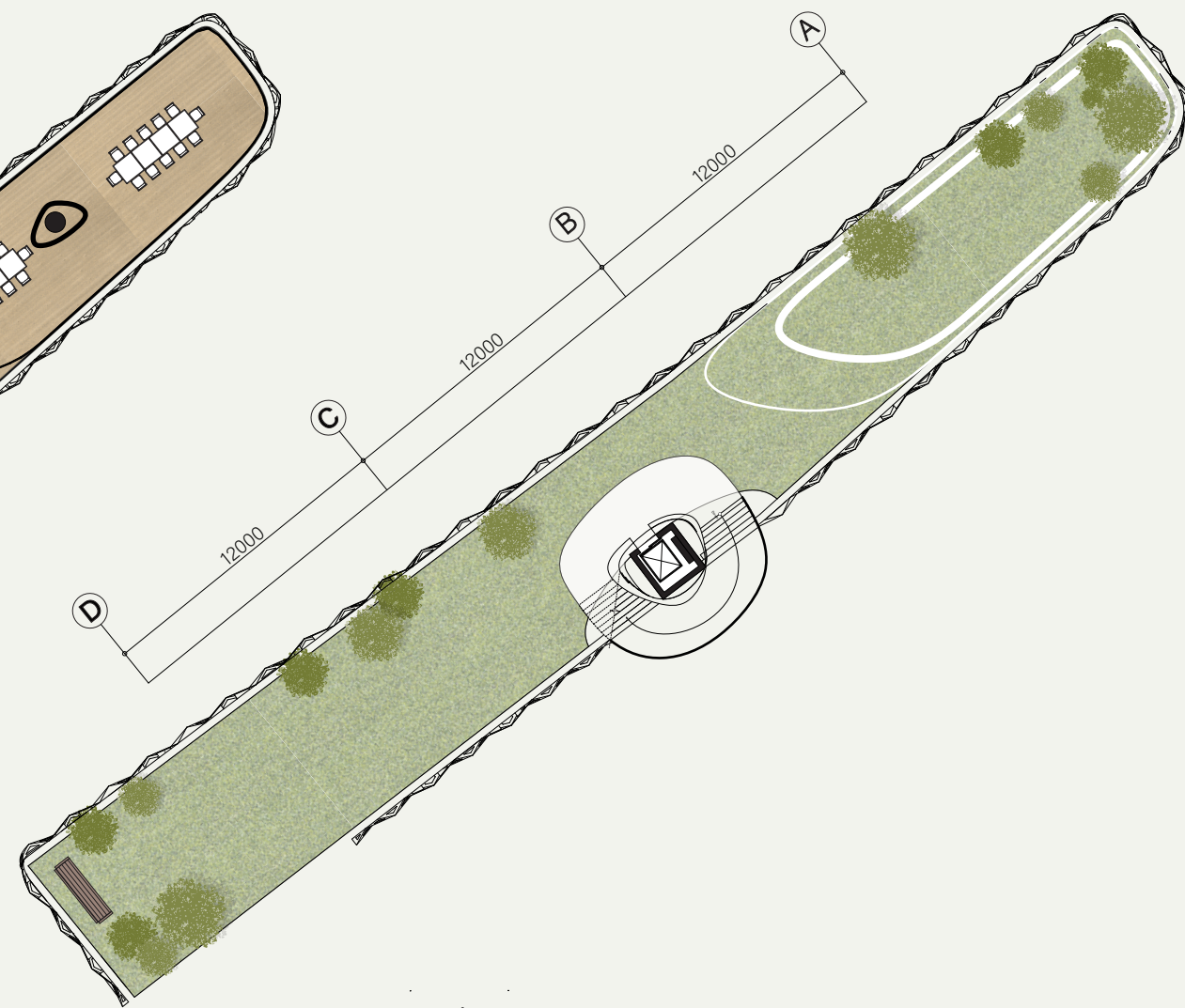




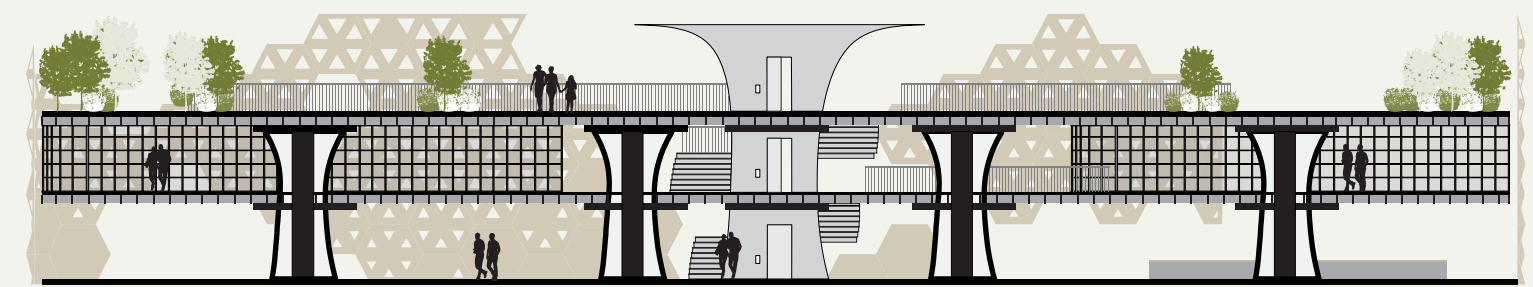
1st FLOOR PLAN  
scale 1:500



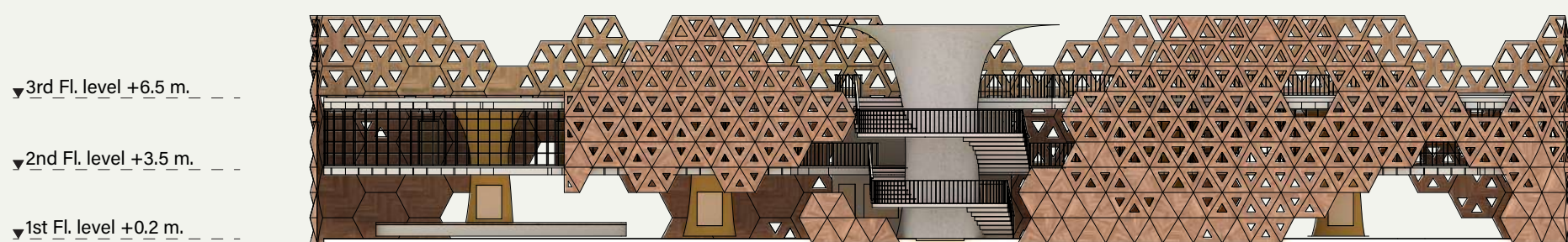
2nd FLOOR PLAN  
scale 1:500



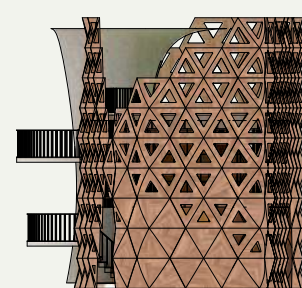
3rd FLOOR PLAN  
scale 1:500



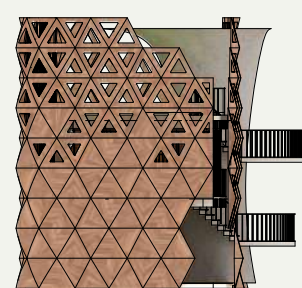
SECTION B4  
Scale 1:200



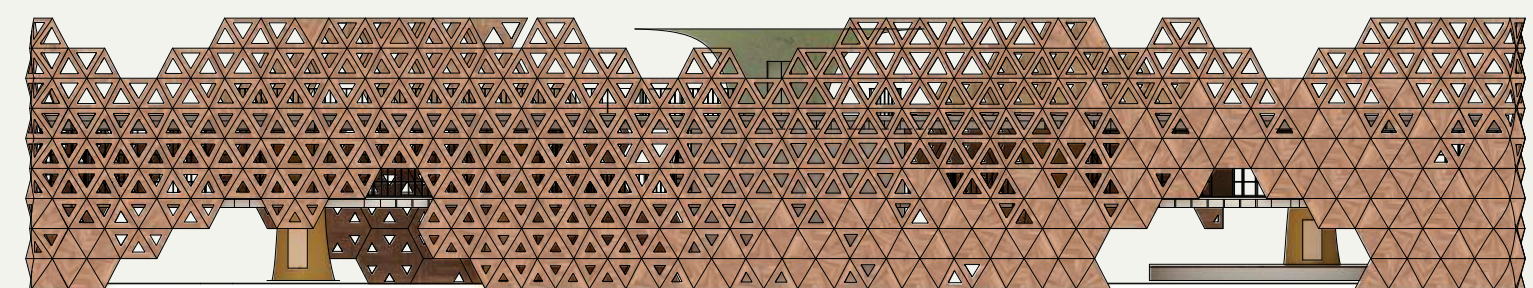
ELEVATION A  
Scale 1:500



ELEVATION B  
Scale 1:500



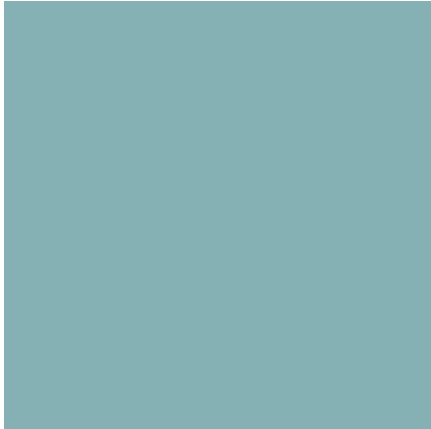
ELEVATION C  
Scale 1:500



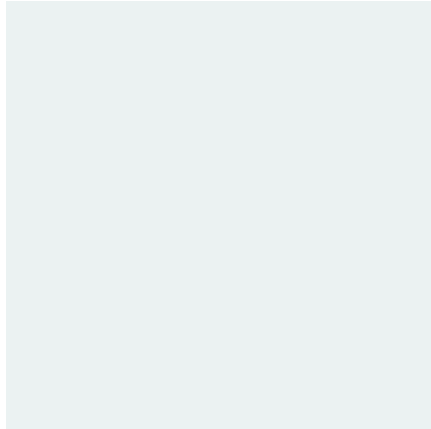
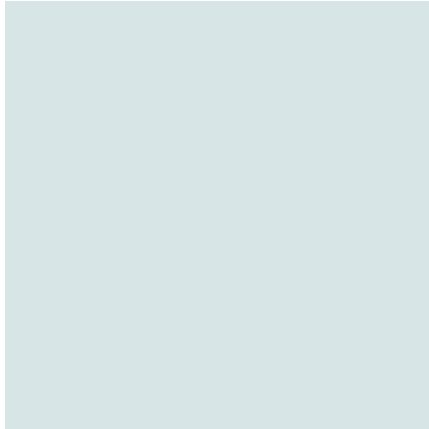
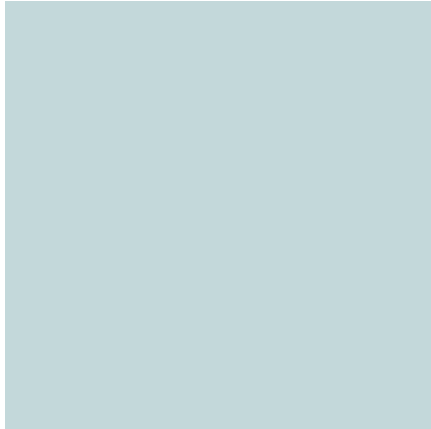
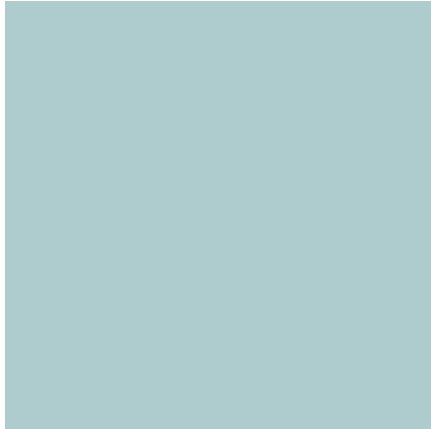
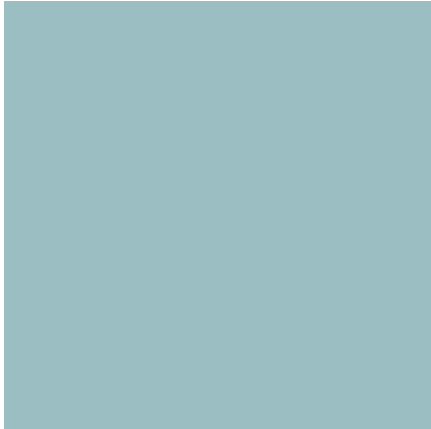
ELEVATION D  
Scale 1:500



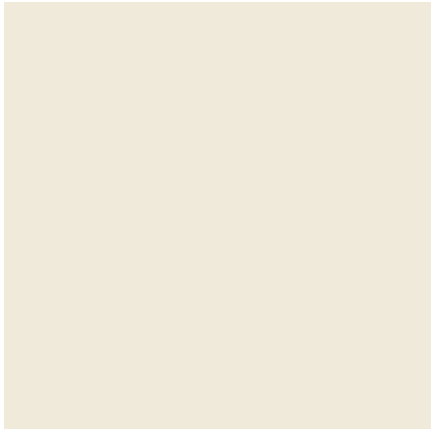
Nippon paint colour



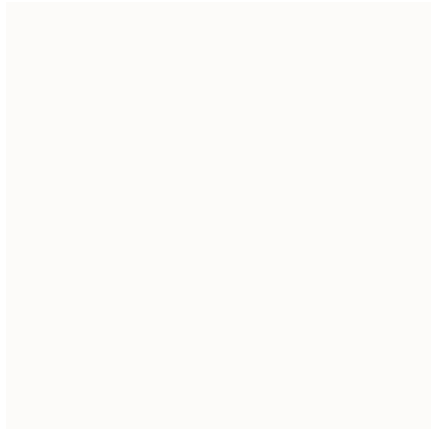
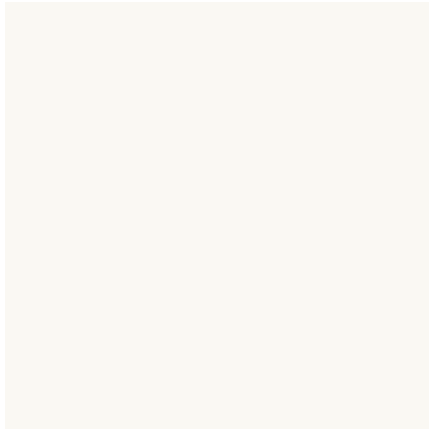
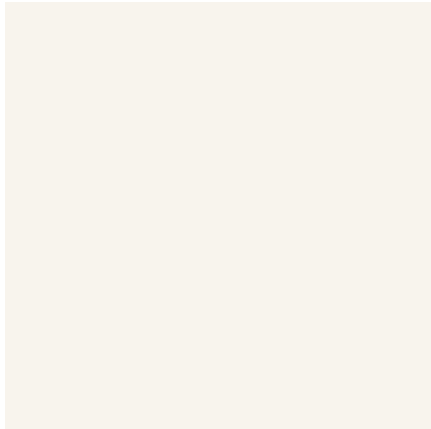
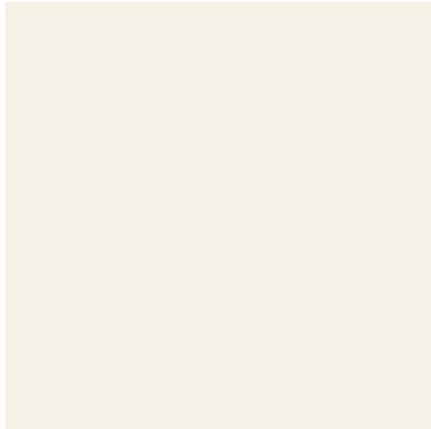
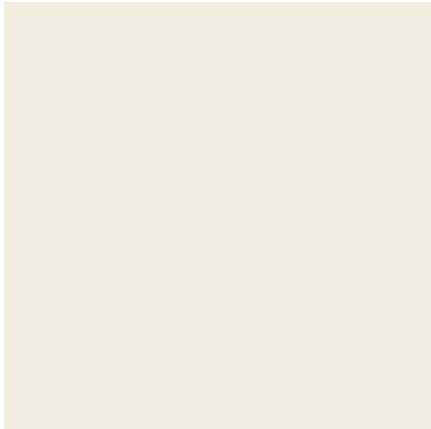
Georgia Fields  
BGG 1763T



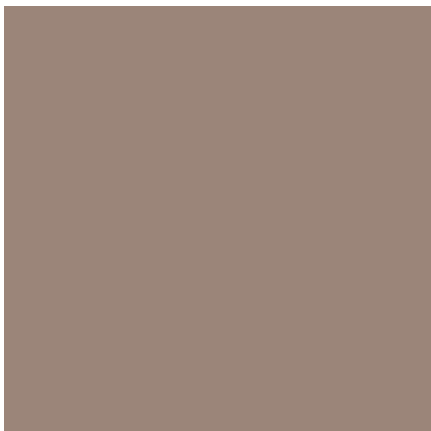
White  
145



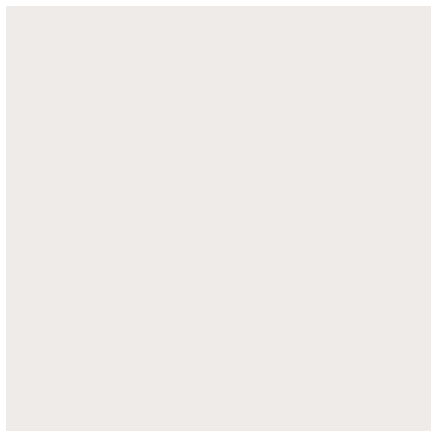
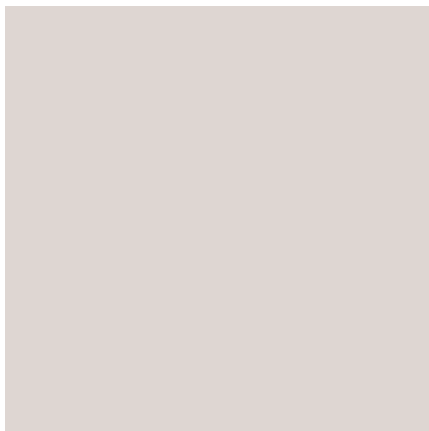
Intimate White  
OW 1007P



White  
145



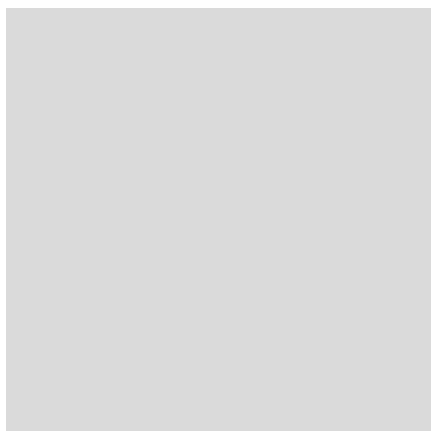
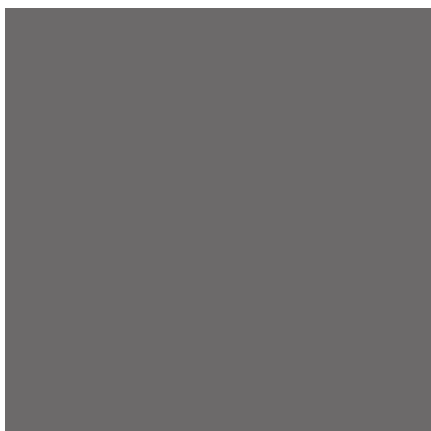
MORSELS  
N 1863 D



White  
145



Black  
144



White  
145











FOUR FORREST  
CLEAR, BUT CAN'T FIND

HERE





  
**FOUR FORREST**  
TALAD NOI CANEI PARK















THANK YOU

FOUR FOR REST

TALAD NOI CANEL PARK