



MSAAD

2019-2020

Lu Xu

Content

04 234 Park Ave.

30 Coexist on NET

70 Staircase Narrative

234 Park Ave.

GSAPP Studio, Summer 2019

Site: Park Avenue, New York, US

Instructor: Nahyun Hwang

David Eugin Moon

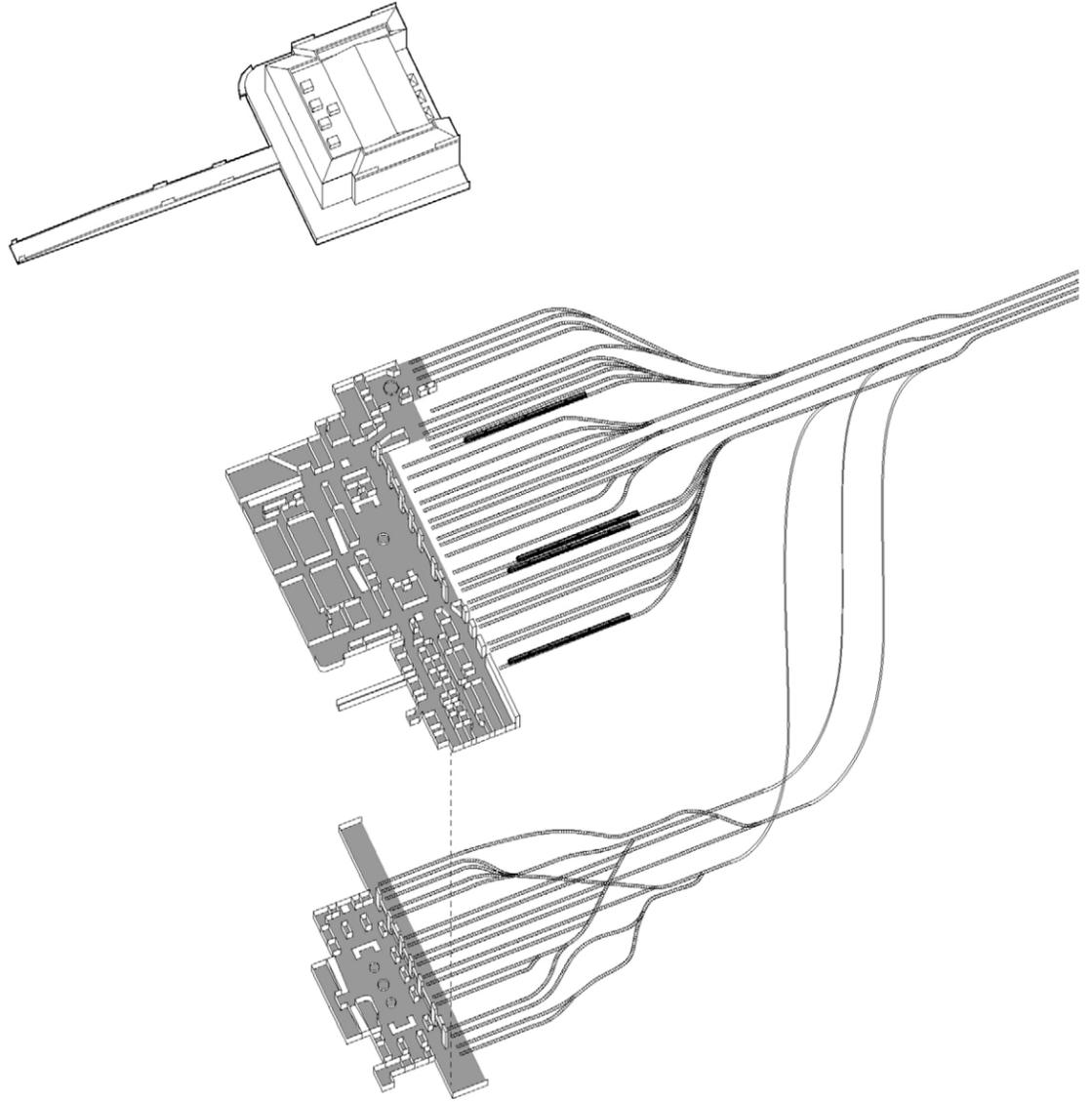
Partner: Mengzhe Zhang

The project proposes an inverted version of 432 Park Avenue which has been largely criticized for its luxury prices and low occupancy rate.

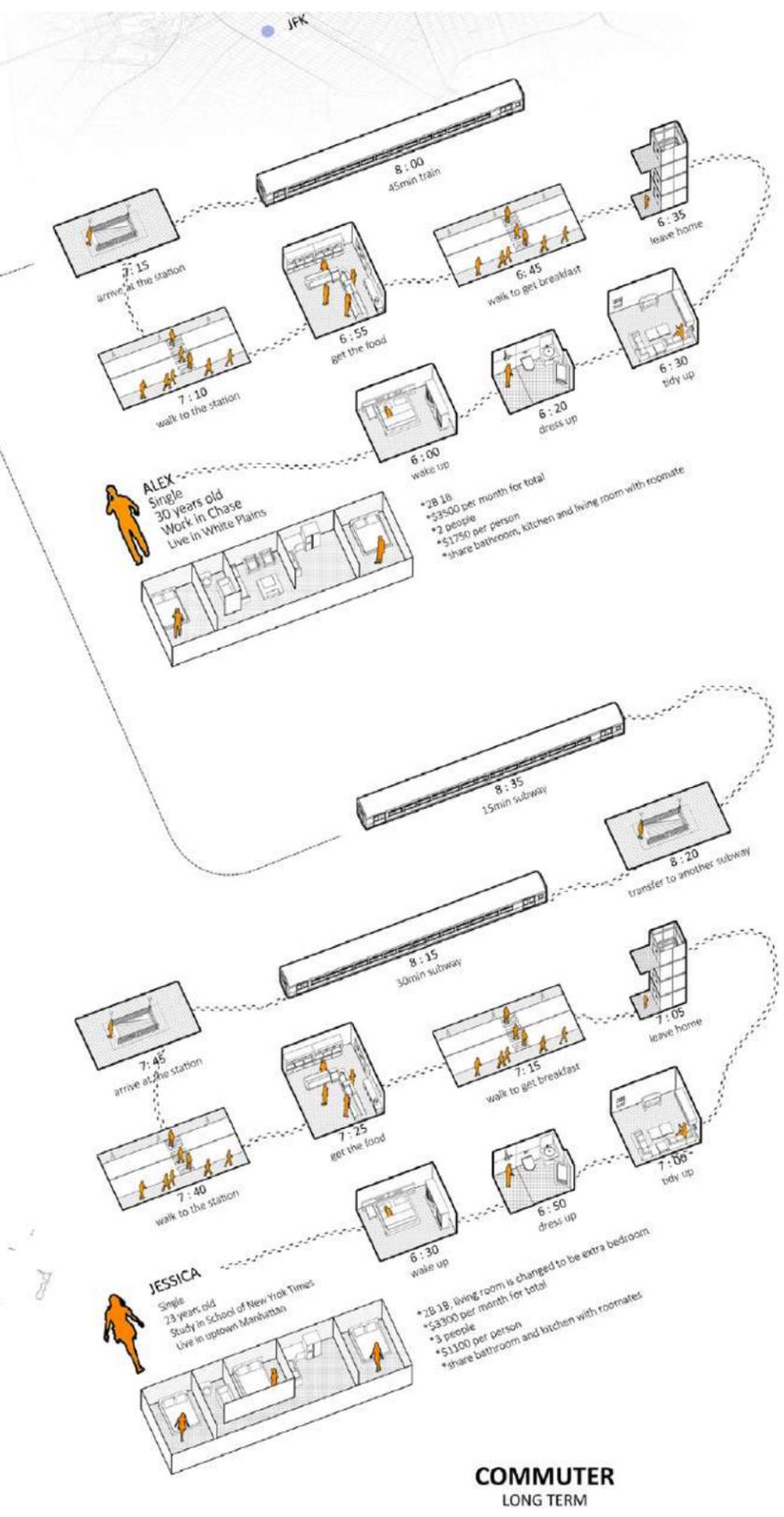
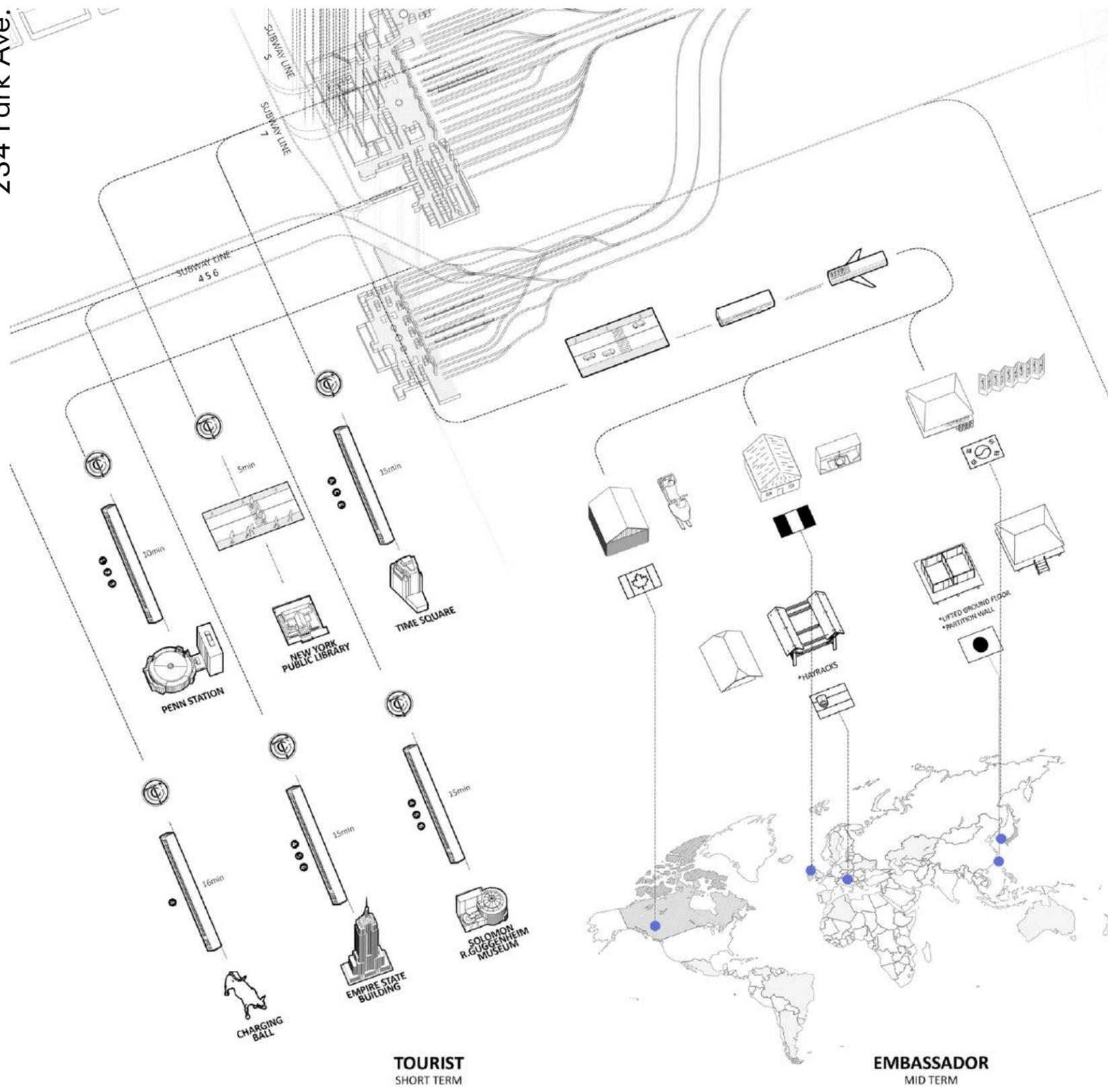
Focusing on Park Avenue from 51st to 56th Streets as the site, we “flipped” the pencil tower 90 degrees and placed it in the middle of the Avenue; this space formerly served as open-cut space for steam engine trains but has since been redesigned with green infrastructure. This long-distance horizontal space spanning five blocks expresses our desire to create more open space for the public.

The pencil tower’s existing programs were relocated at ground level, asserting public access for all. The upper residential portion is redesigned so units share communal kitchen spaces. Four unit types offer flexibility for different household compositions and low-income housing.

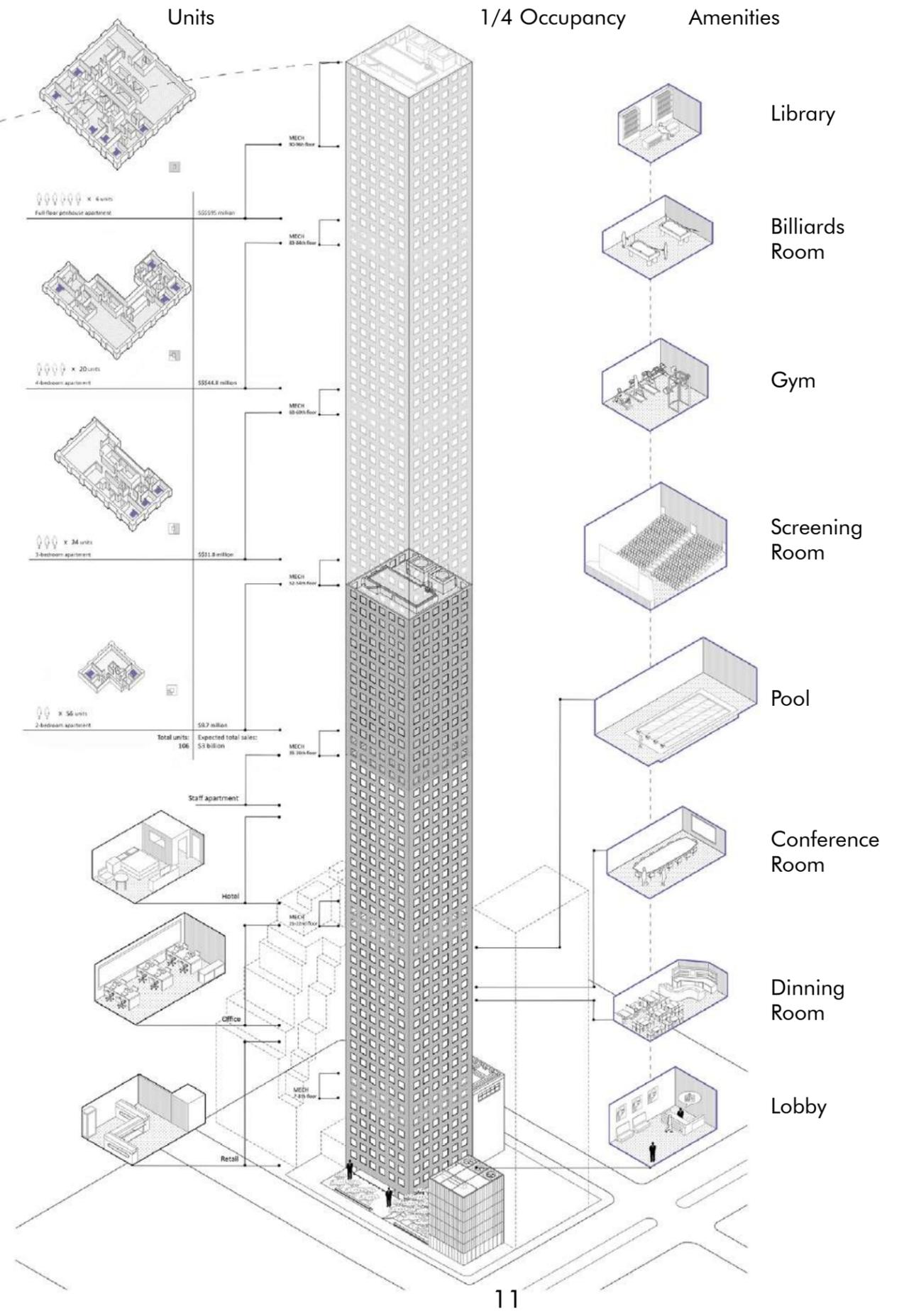
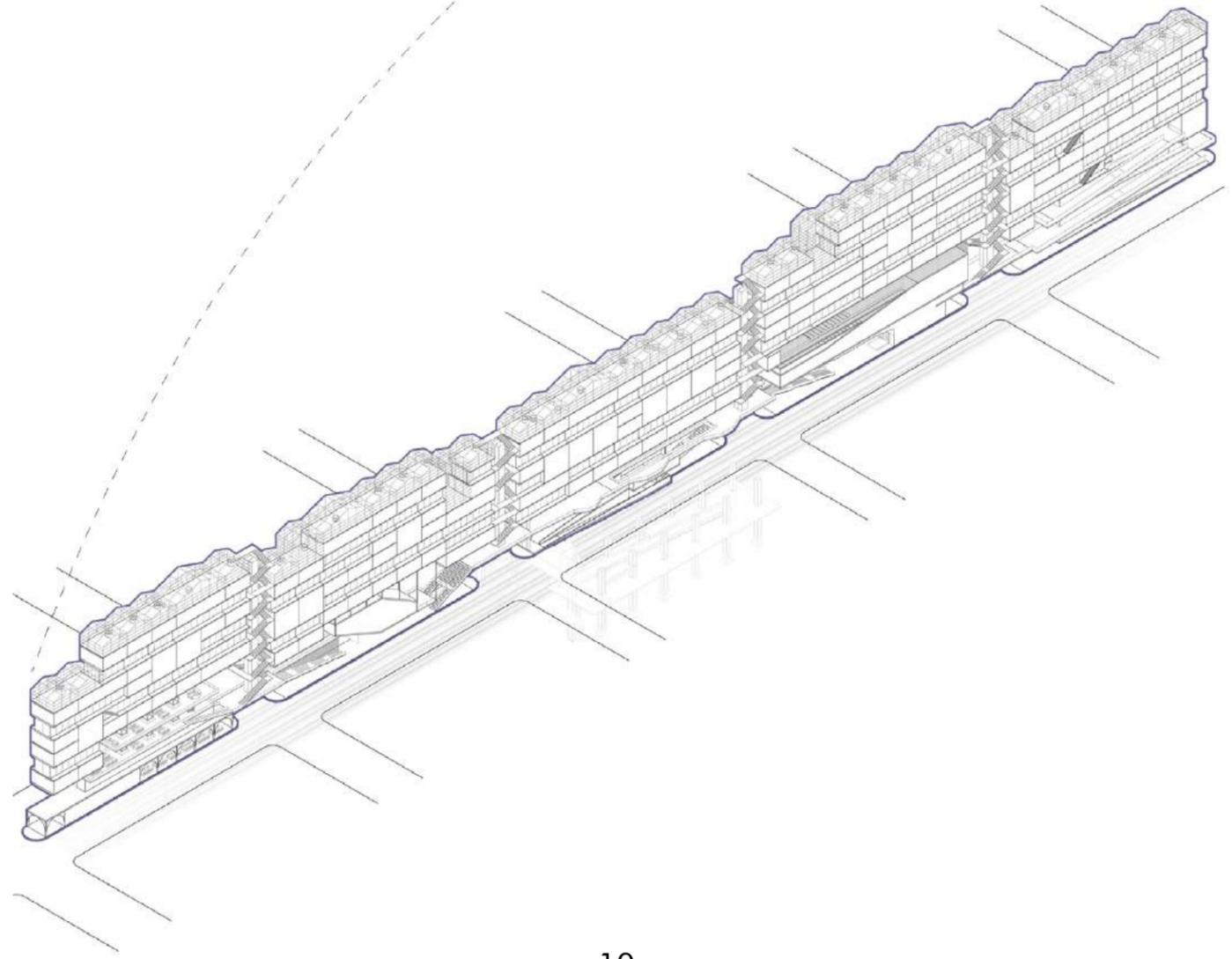
234 Park Ave.

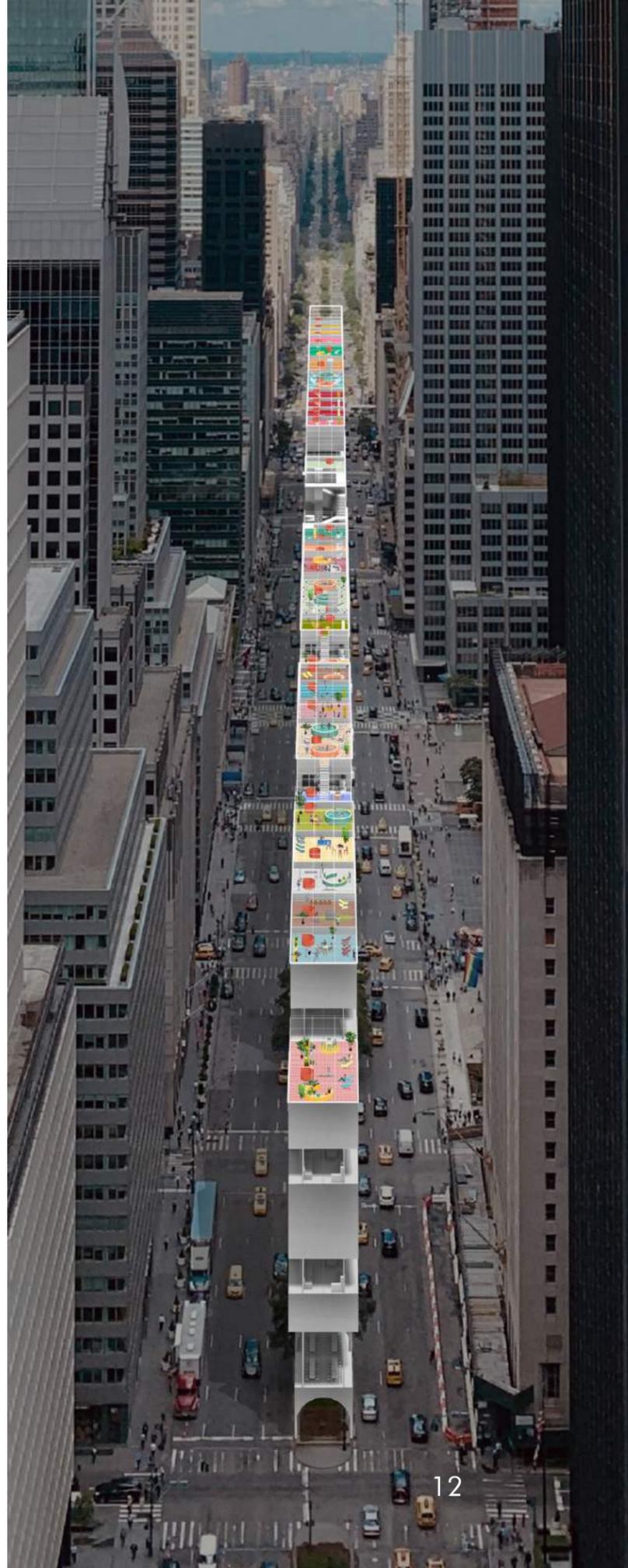


Grand Central



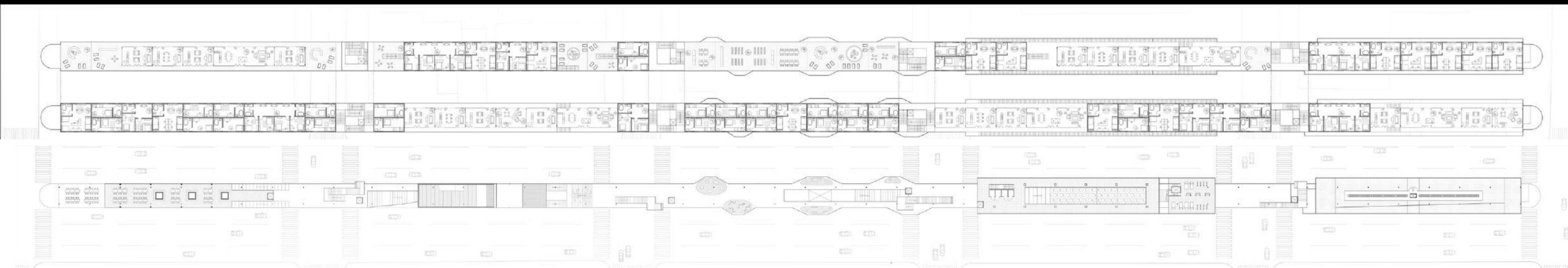
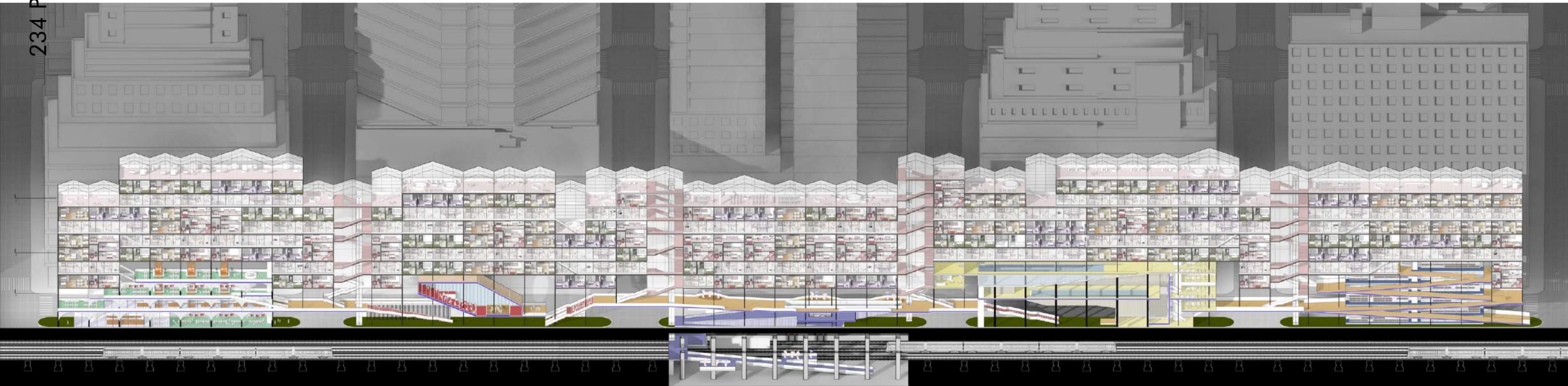
FLIP



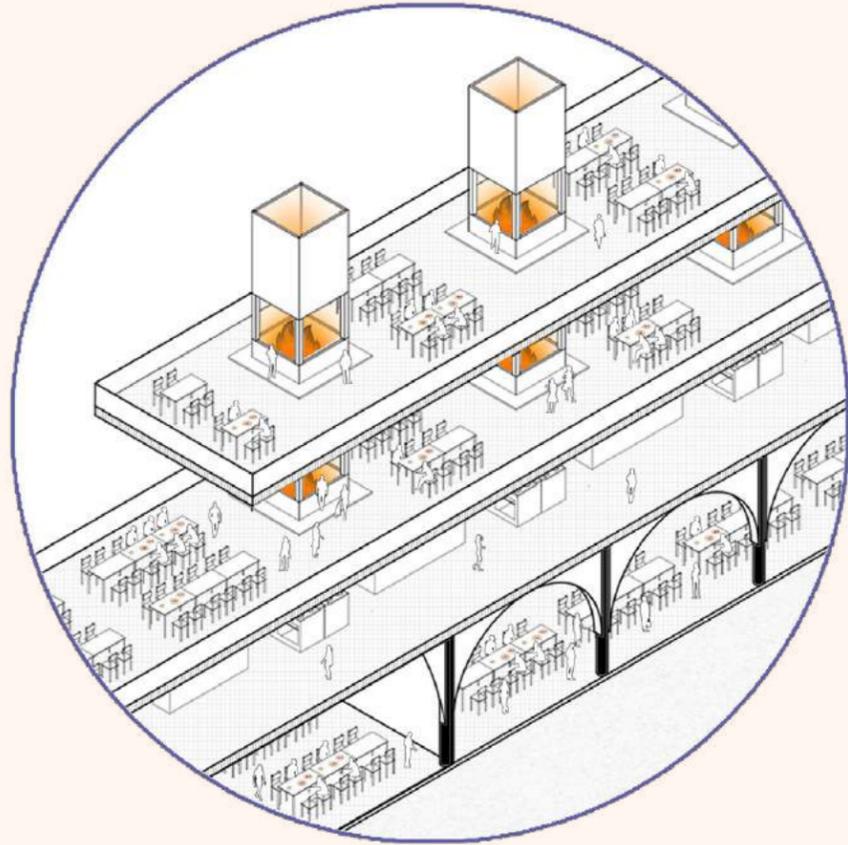


Roof Garden

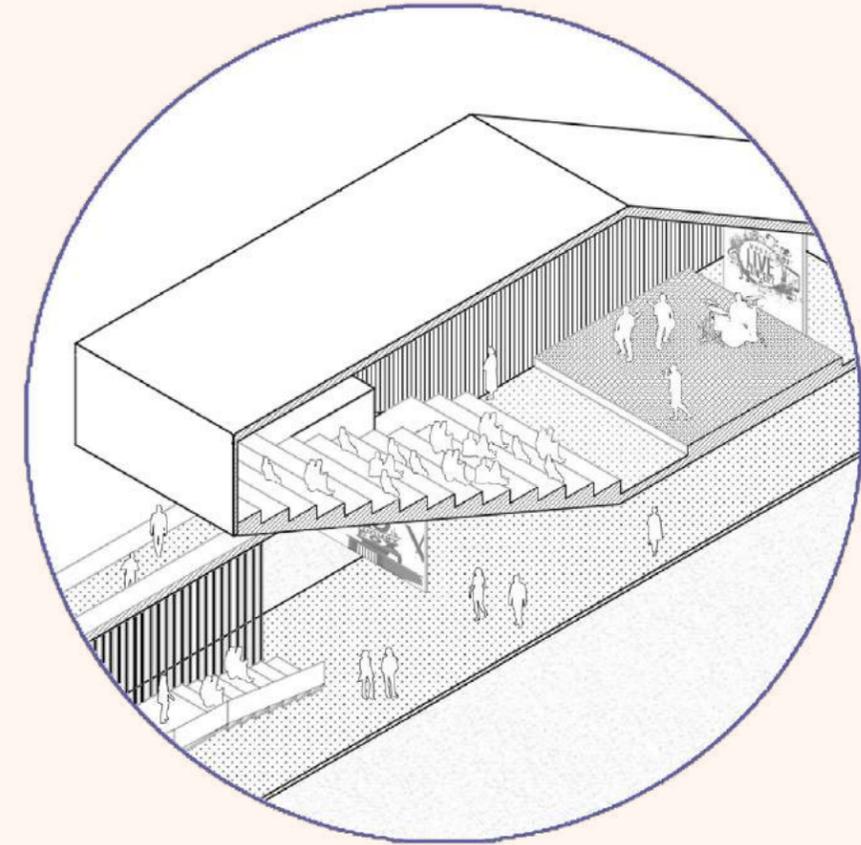




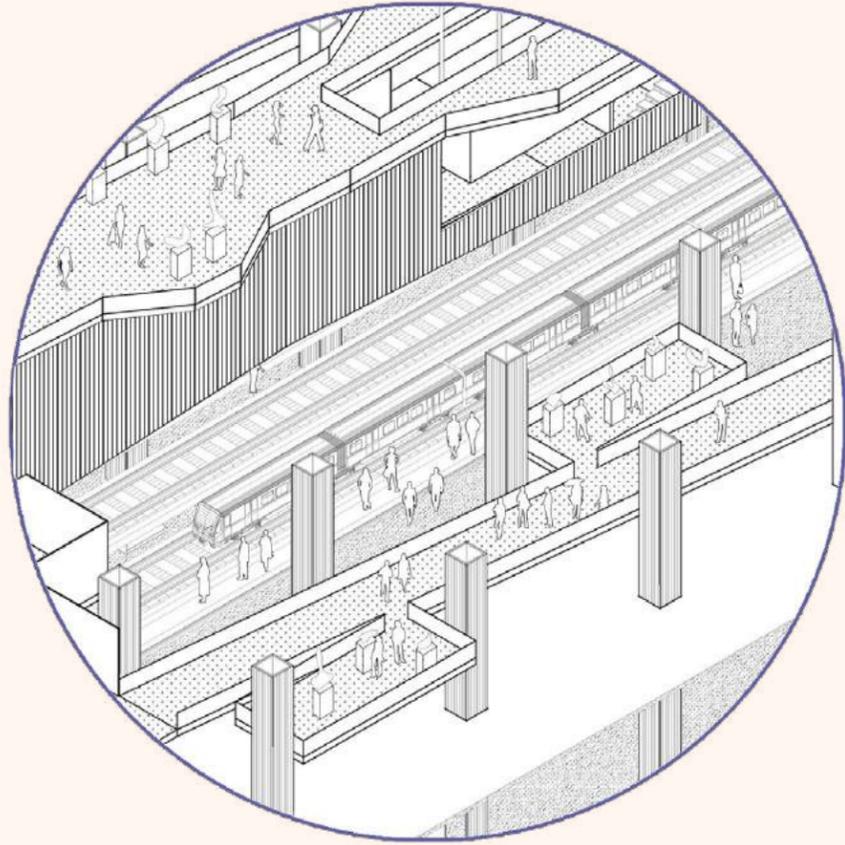
Shared Kitchen



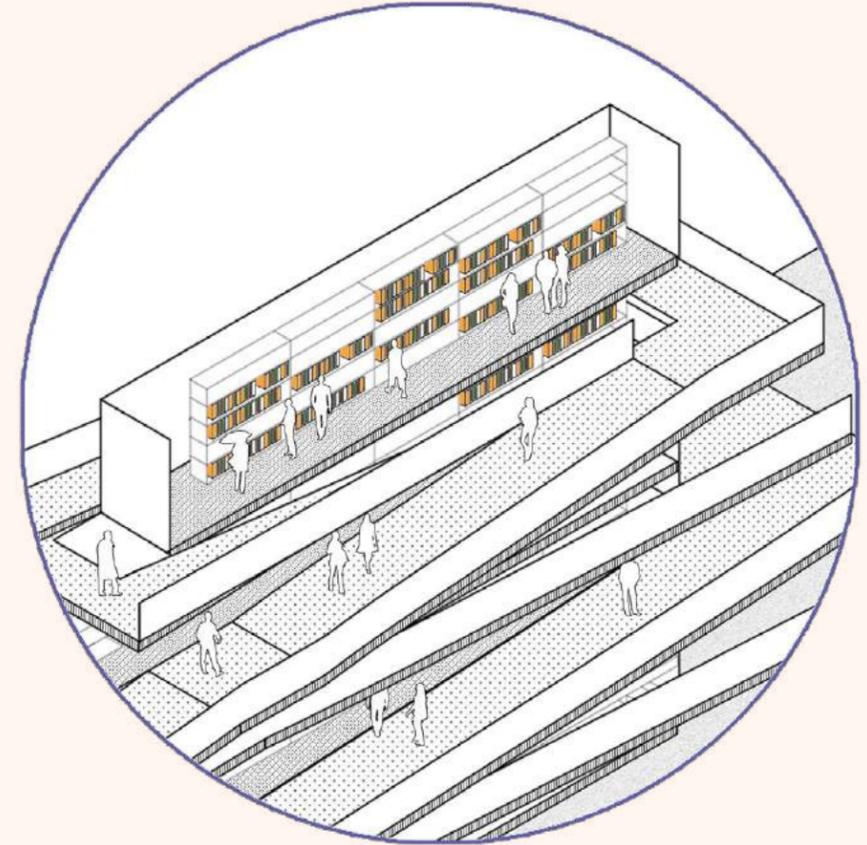
Theater and Outside Performance



Transportation Station

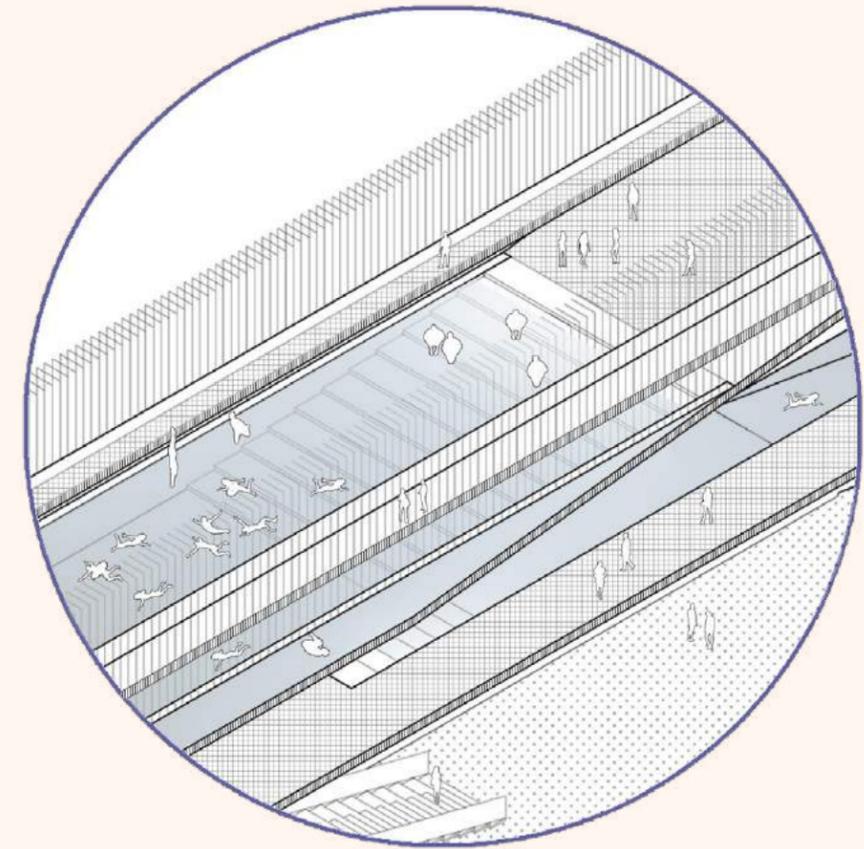


Open Library



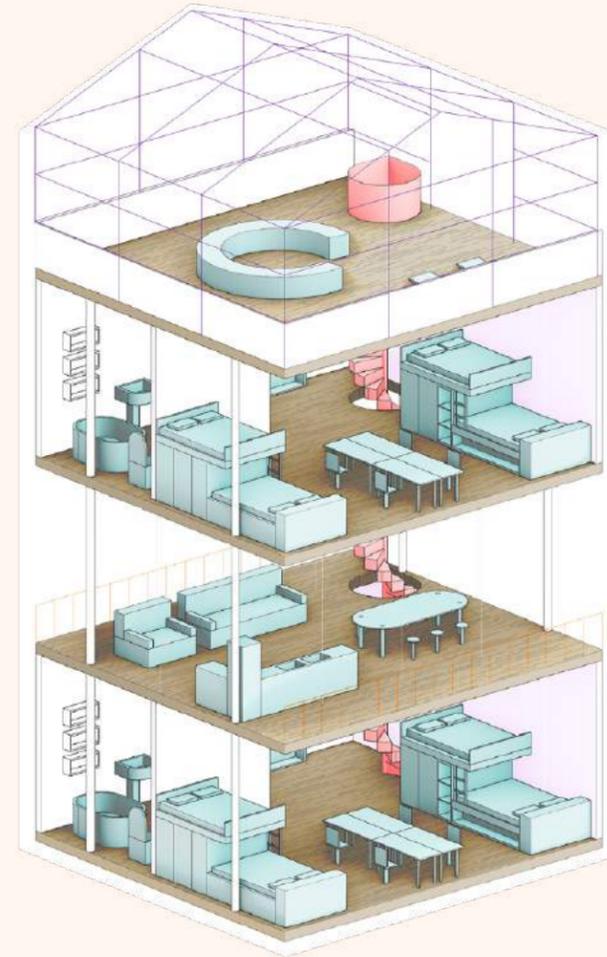


Theater and Outside Performance



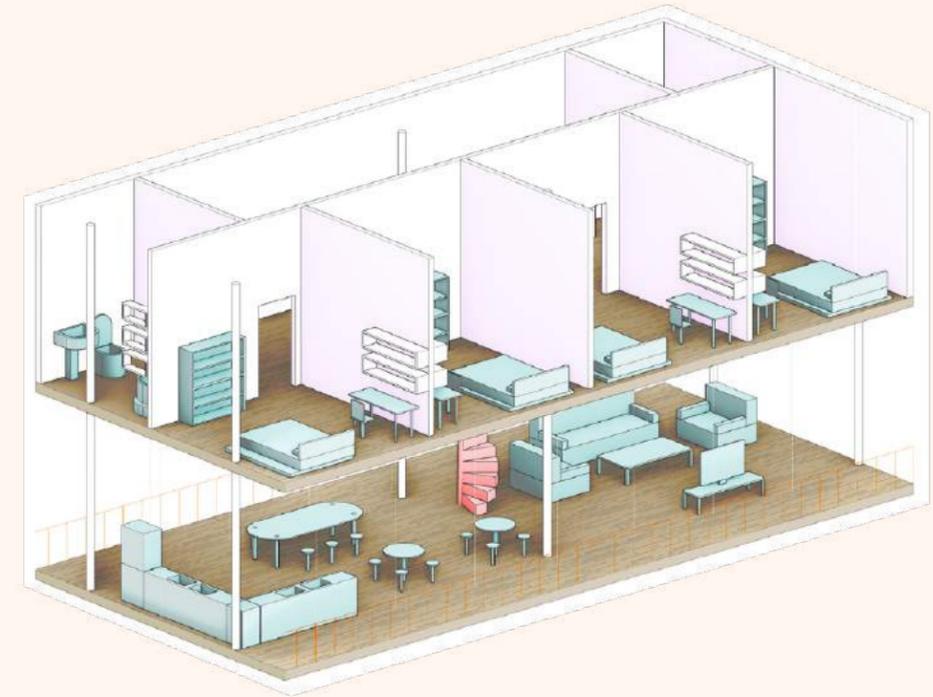


Unit Type 1 and Roof Occupancy



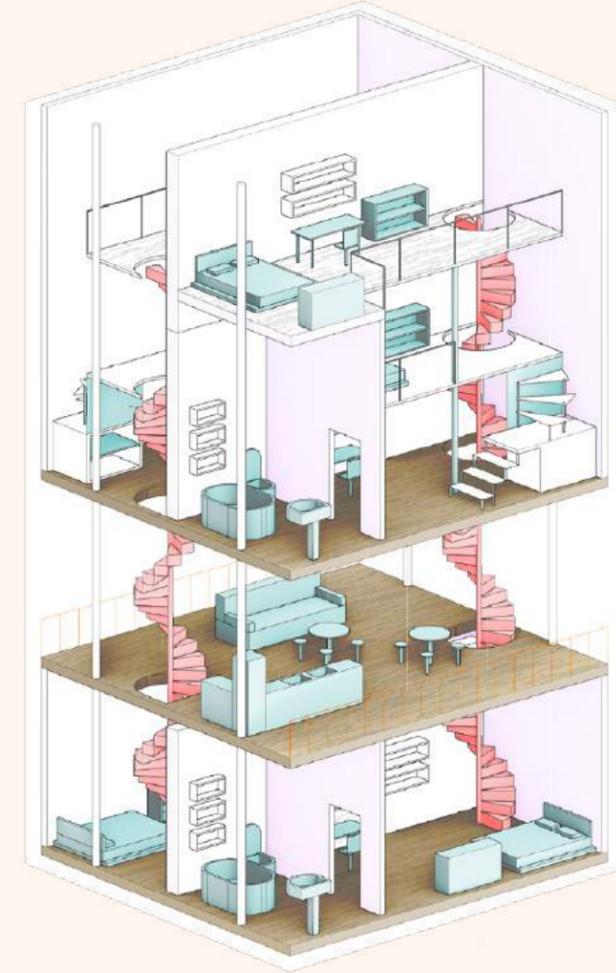


Unit Type 2 and Shared Living





Unit Type 3 and Private Living





Coexist on NET

In the Coastal Louisiana, sea level rise as a severe situation will force some of the southern towns that are protected by the levee system become the last dryland. The floods will force both animals and residents into these towns.

Hence it is necessary to create a new strategy for multiple species coexisting by using a vertical netting system and a safe haven for them to survive by using sustainable programs such as salinity farming and solar energy.

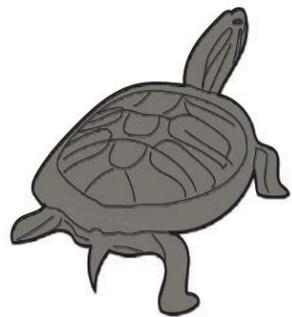
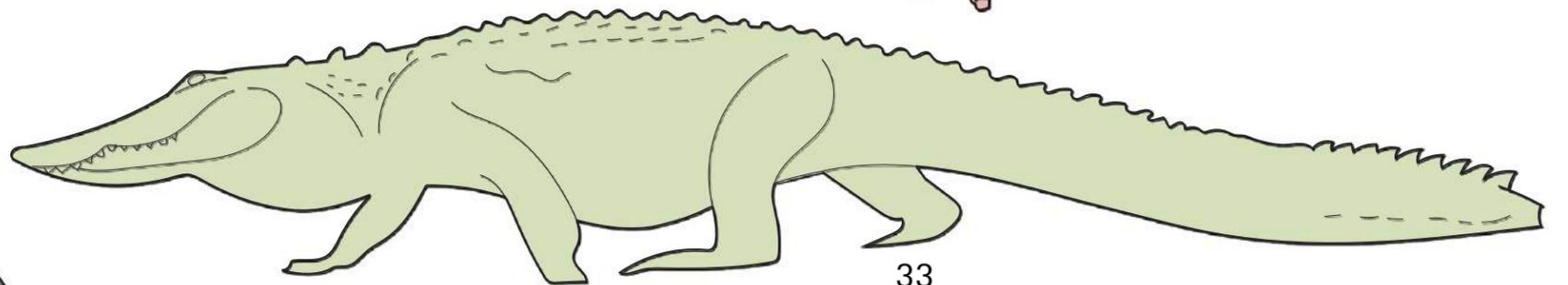
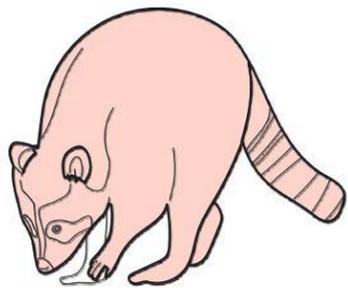
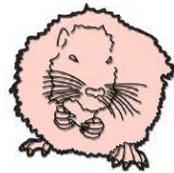
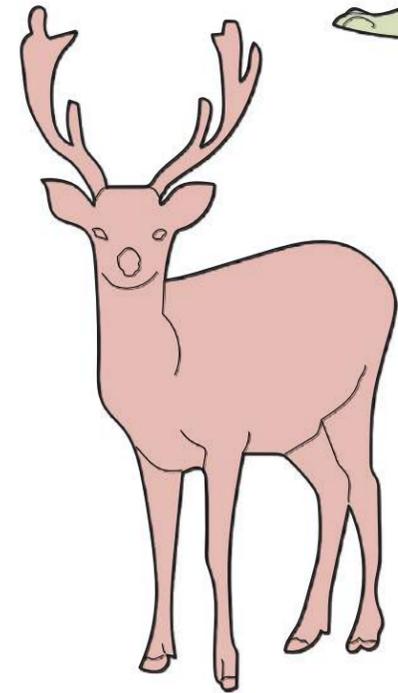
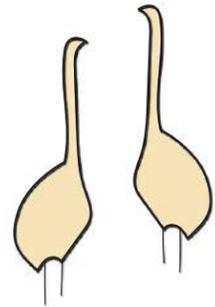
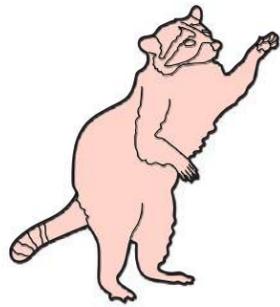
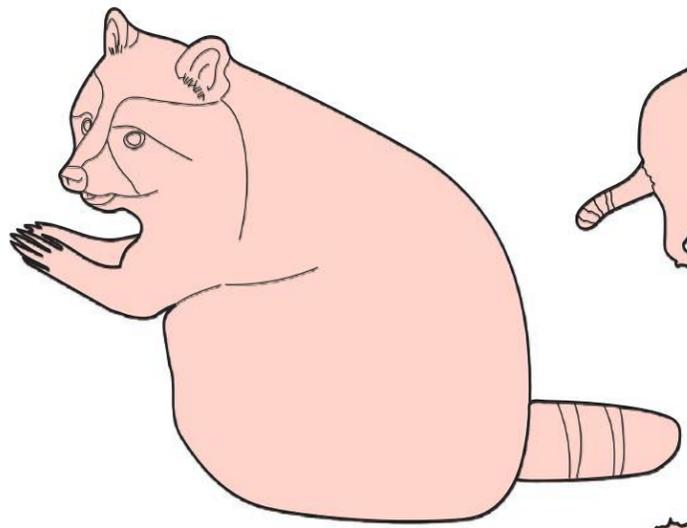
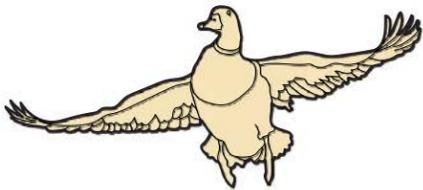
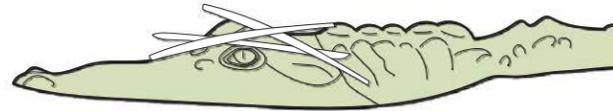
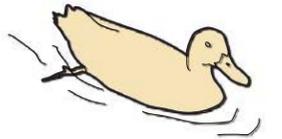
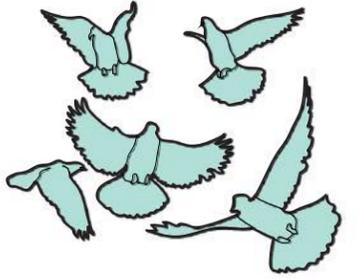
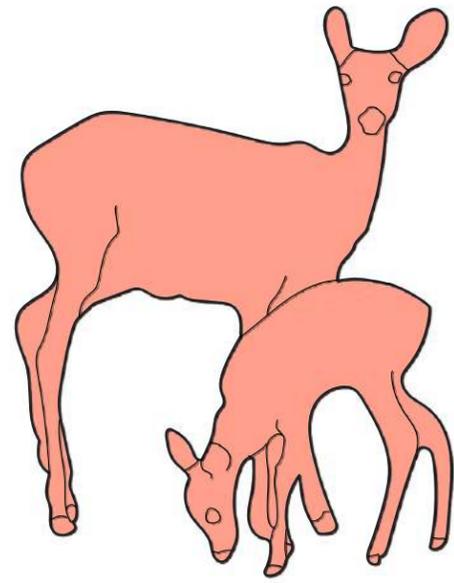
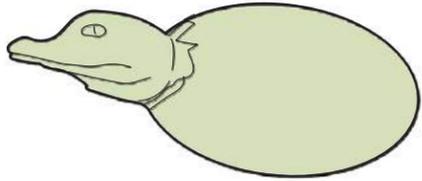
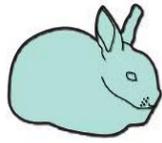
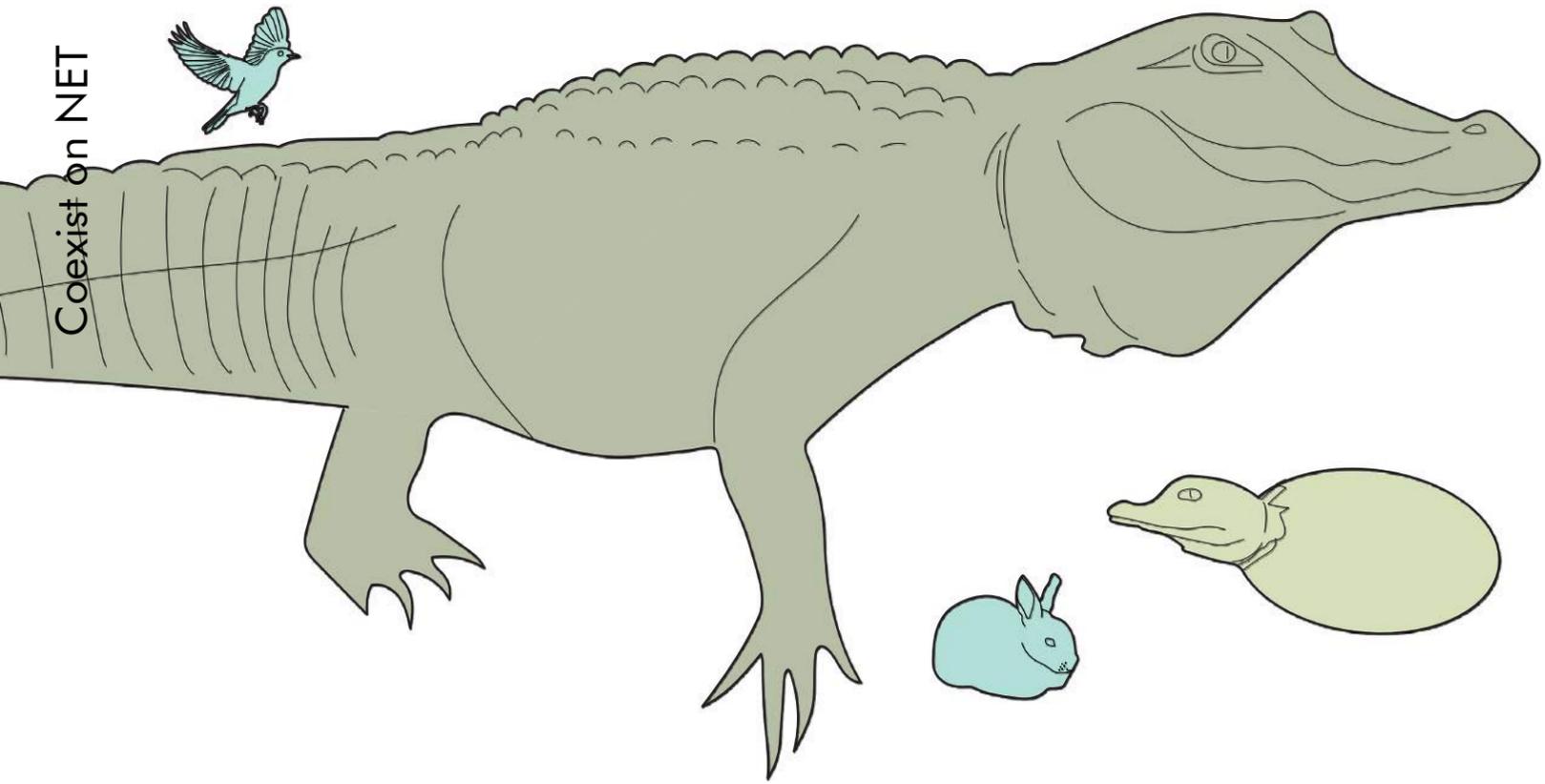
The project discusses new relationships between fiercely animals, friendly animals as well as humans, and the town Theriot would be an example of how we develop the design

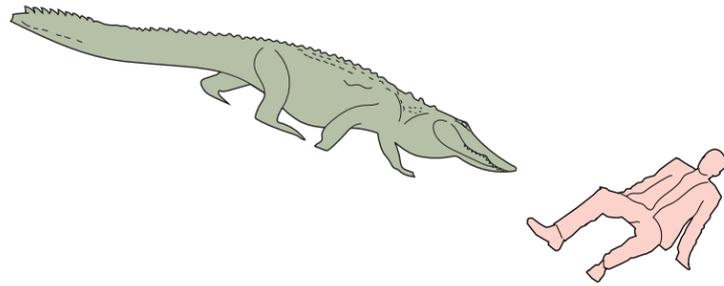
GSAPP Studio, Fall 2019

Site: Theriot, Louisiana, US

Instructor: Phu Hoang

Partner: Vincent Pan



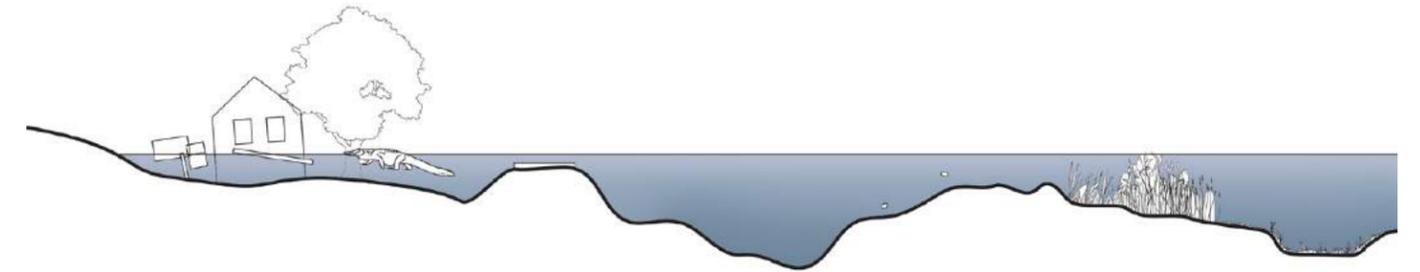


Flood Phase 1

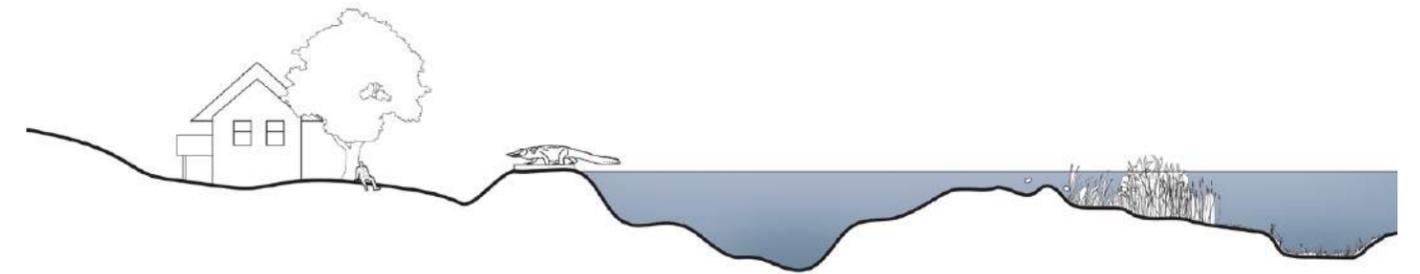
Flooding is not only destroying wild animals' habitat but also humans'. Humans are forced to leave their houses. The abandoned houses then possibly would turn into new habitat for wild animals.

Flood Phase 2

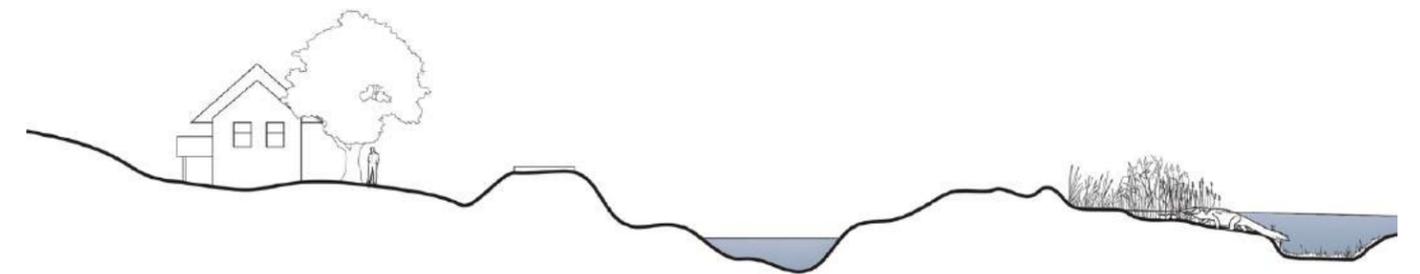
Alligator habitat is flooded and the harsh situation forces the alligators migrate to the human world.



Flood Phase 2



Flood Phase 1



Wetland





2030

2030

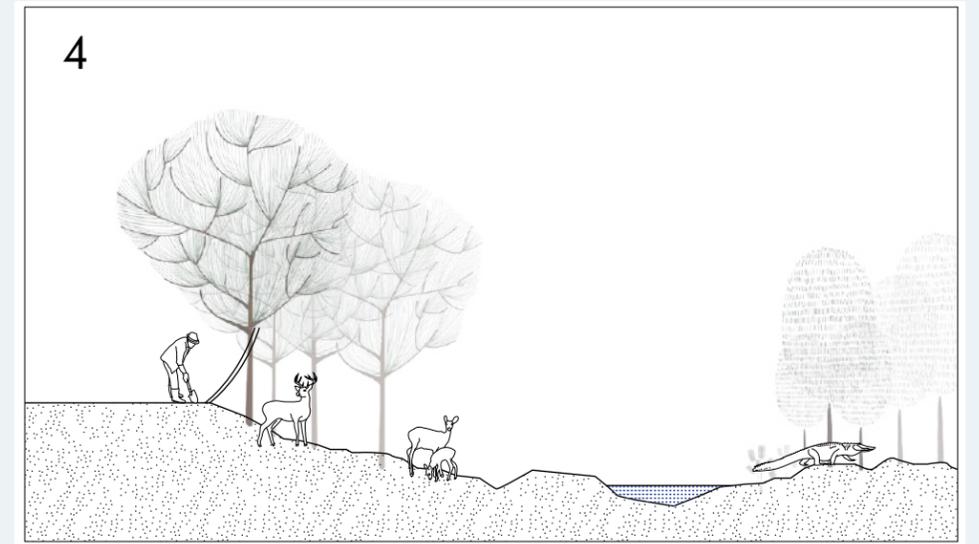
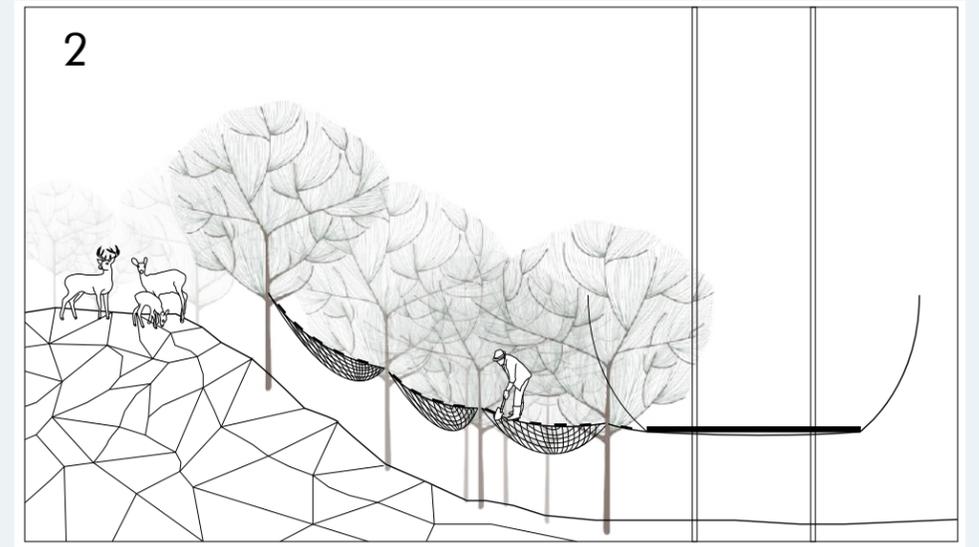
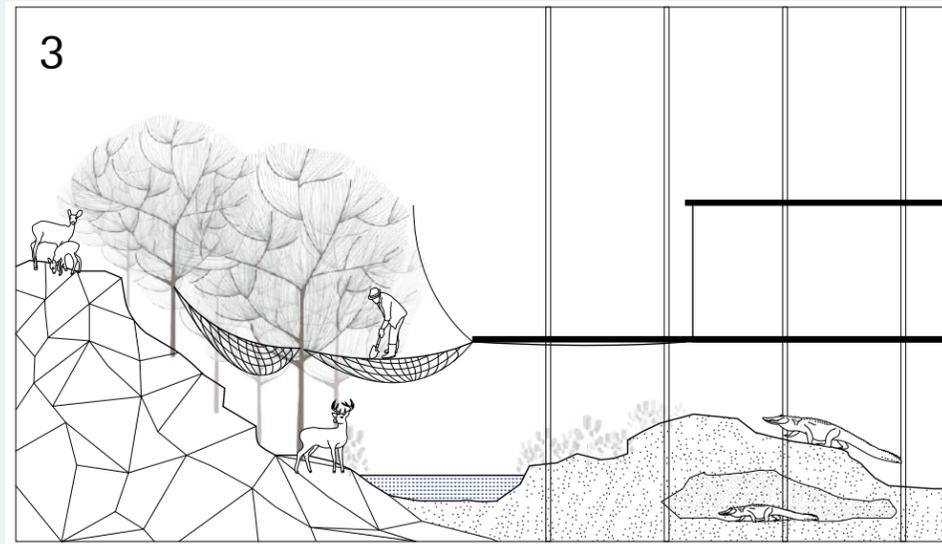
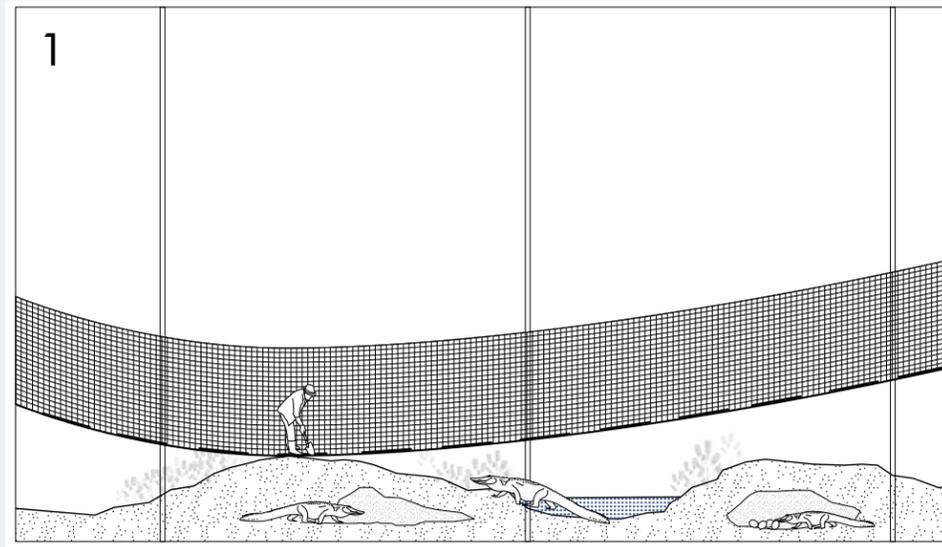
2030

2030

2030

2030

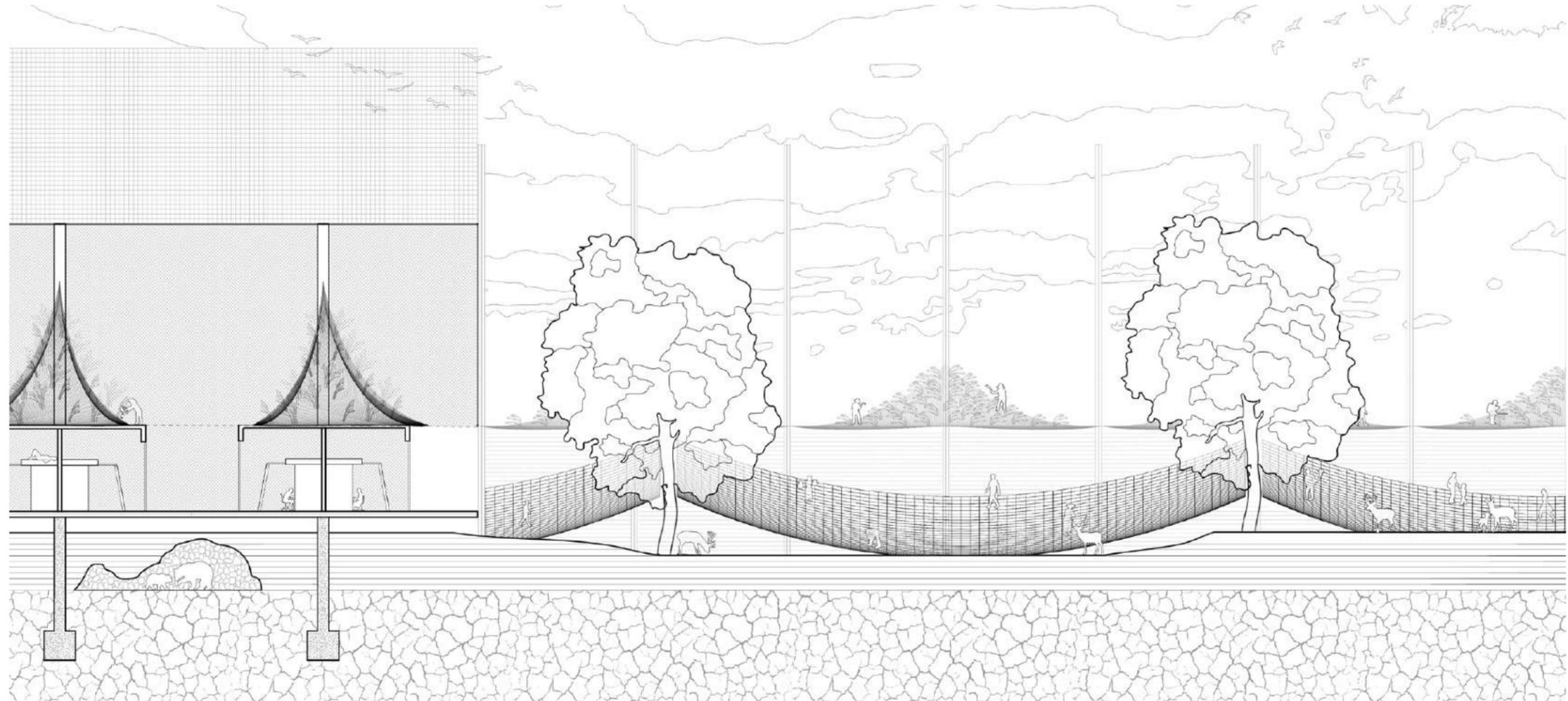
2080



Type of Coexist

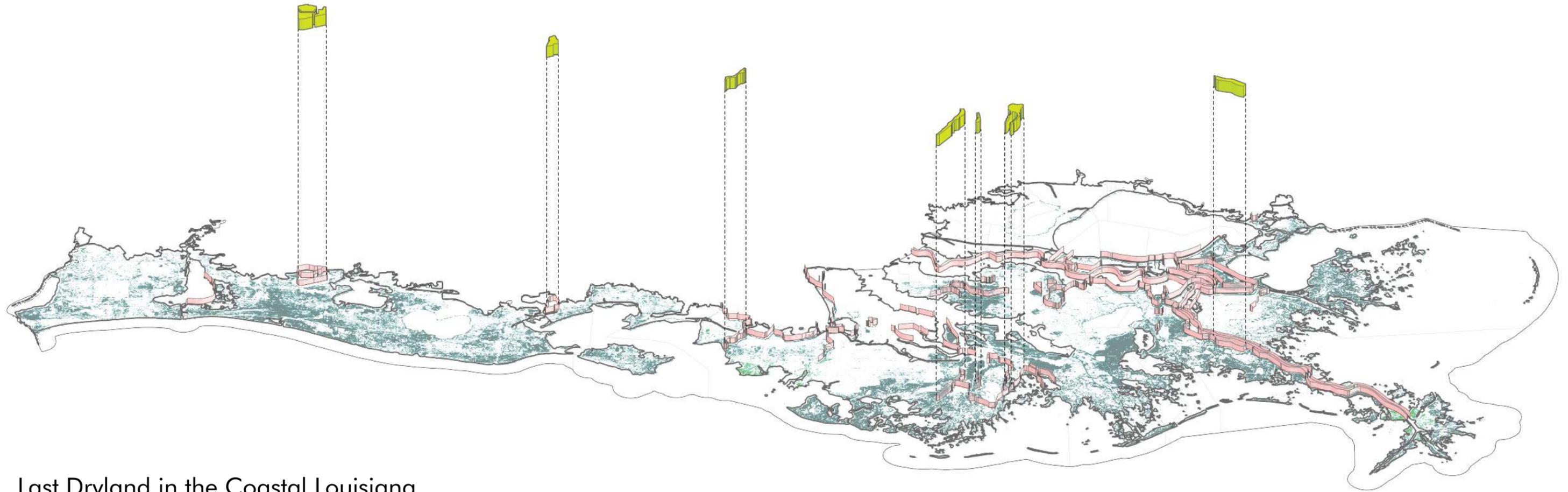
- 1 - Alligator and Human
- 2 - Deer and Human
- 3 - Deer, Alligator and Human
- 4 - Alligator, Deer and Human

Without breaking the balance of the biosphere, the new net system will not dominate any wild animal.

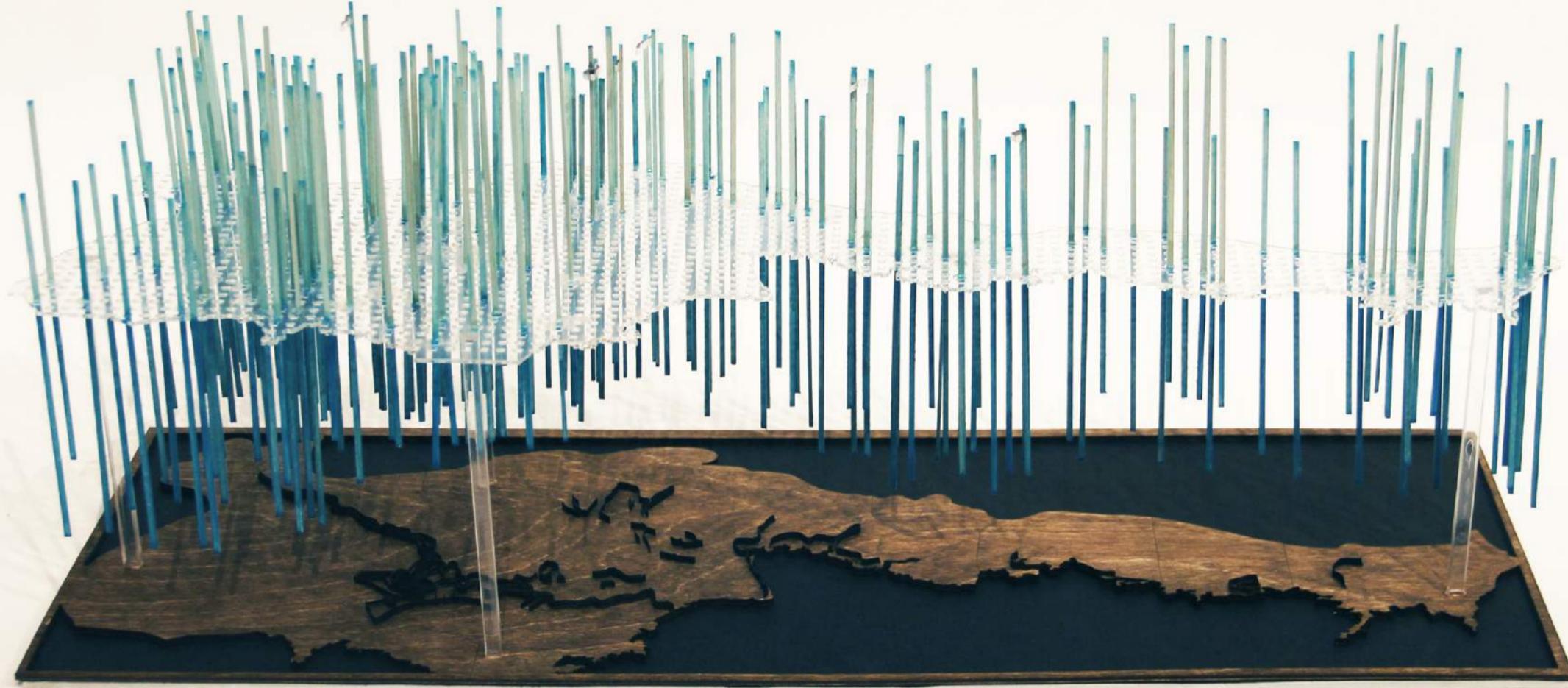


Coexist on NET



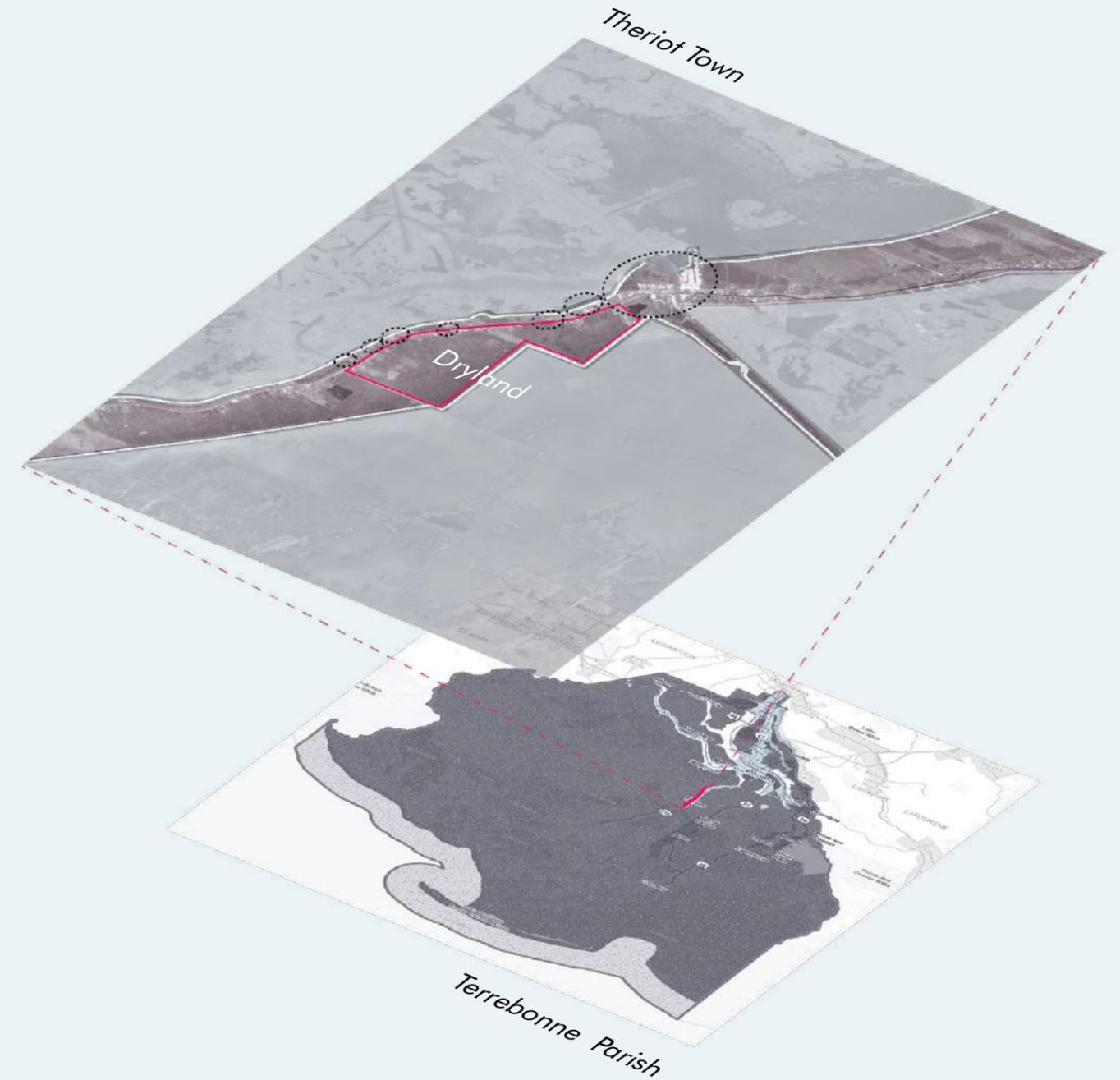


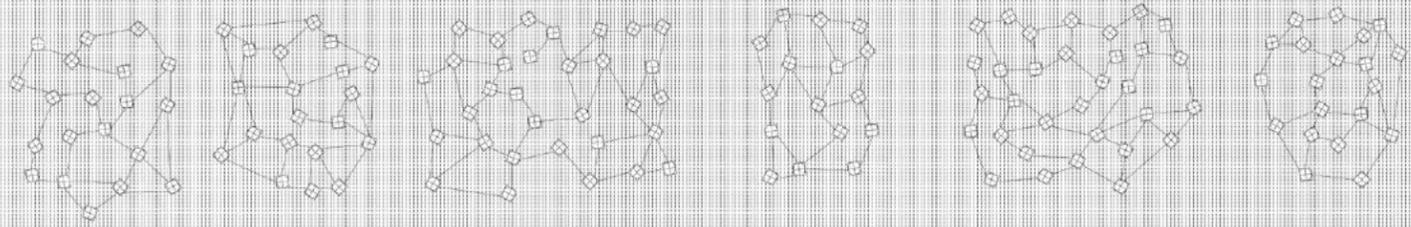
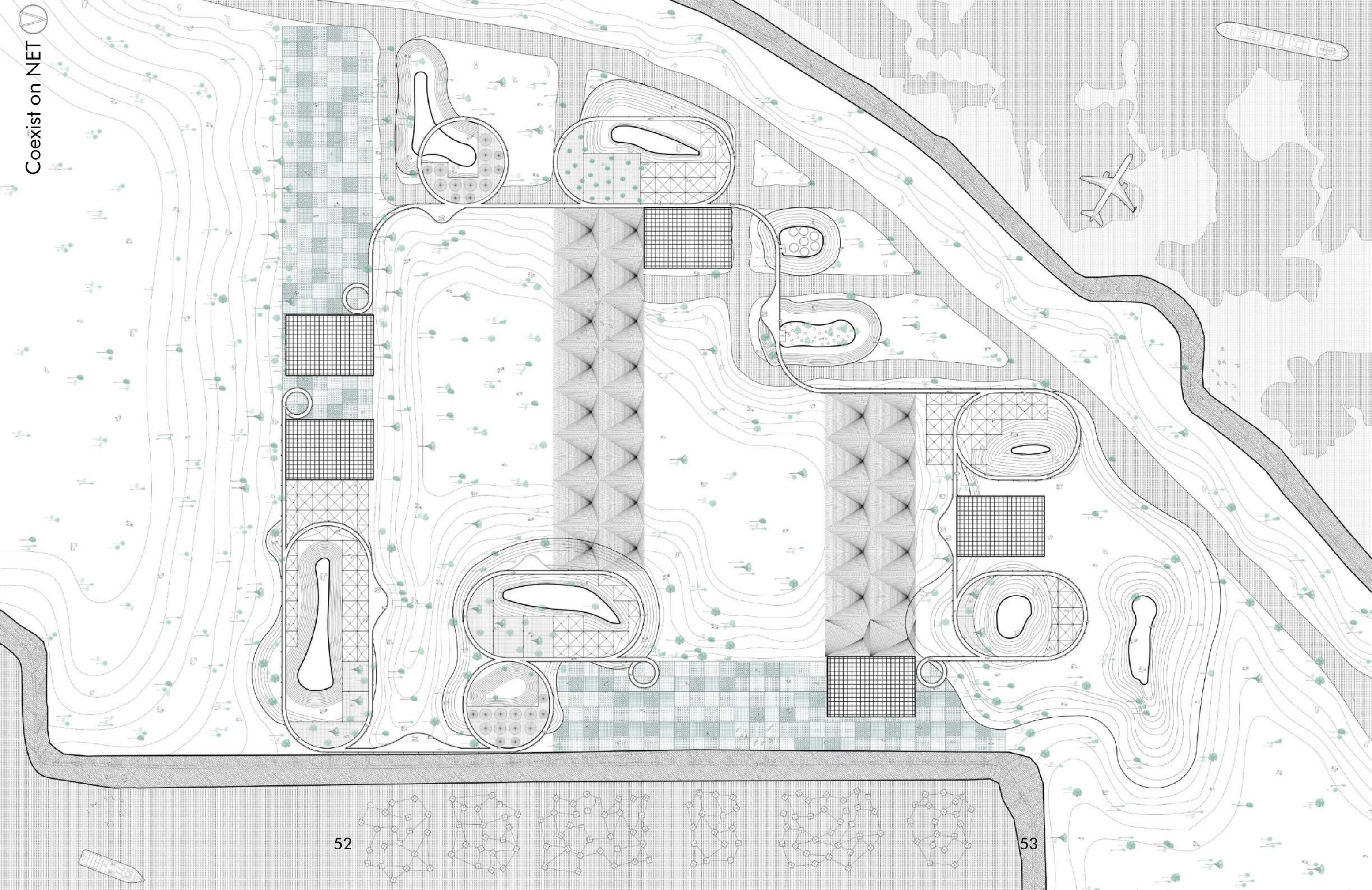
Last Dryland in the Coastal Louisiana

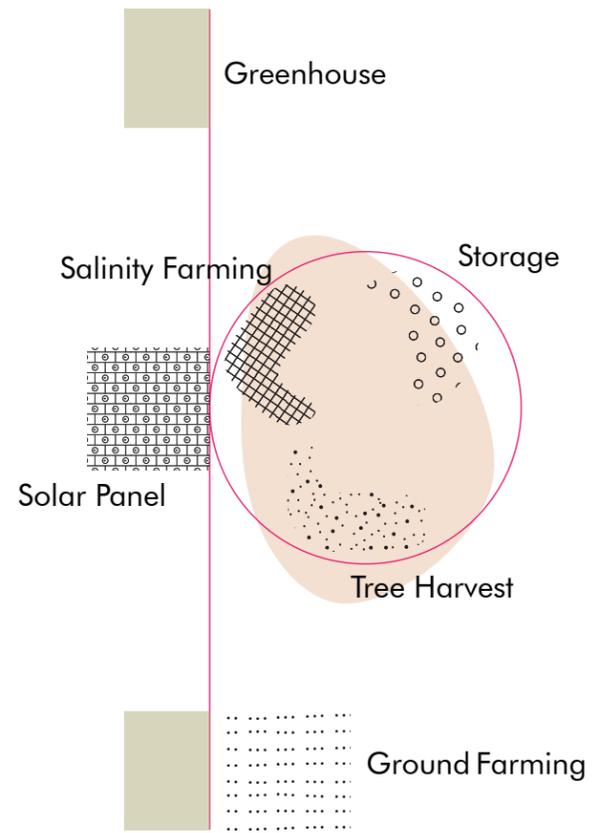


Terrebonne is one of the most southern Parish in Coastal Louisiana. According to the 50 year flood map, most of the land will be flooded and many residents and wild animals will be forced to migrate north.

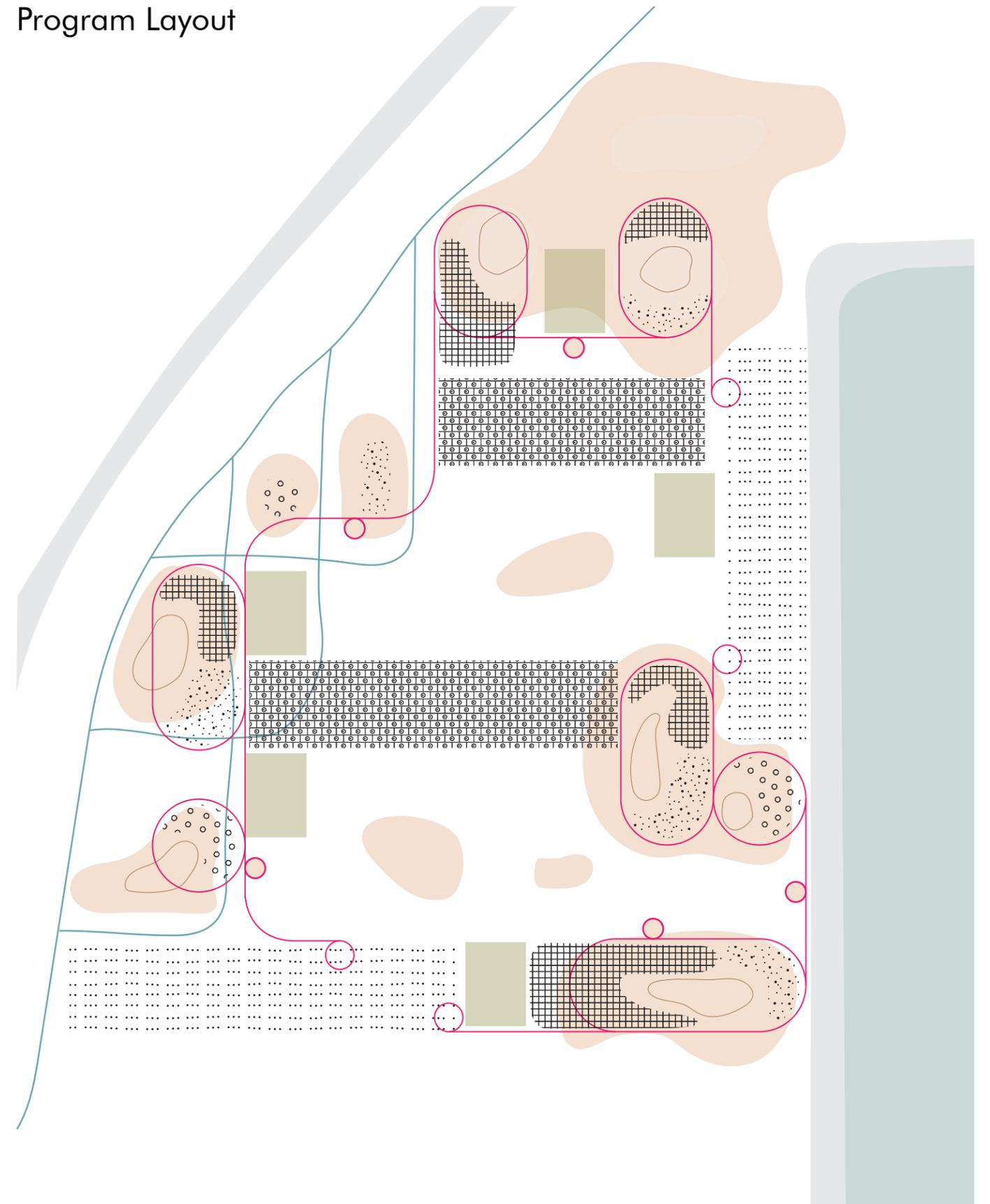
Protected by the levee system, town Theriot will be the last dry land. In order to protect the local wild animals and better support fishermen, it is necessary to develop the net system here.



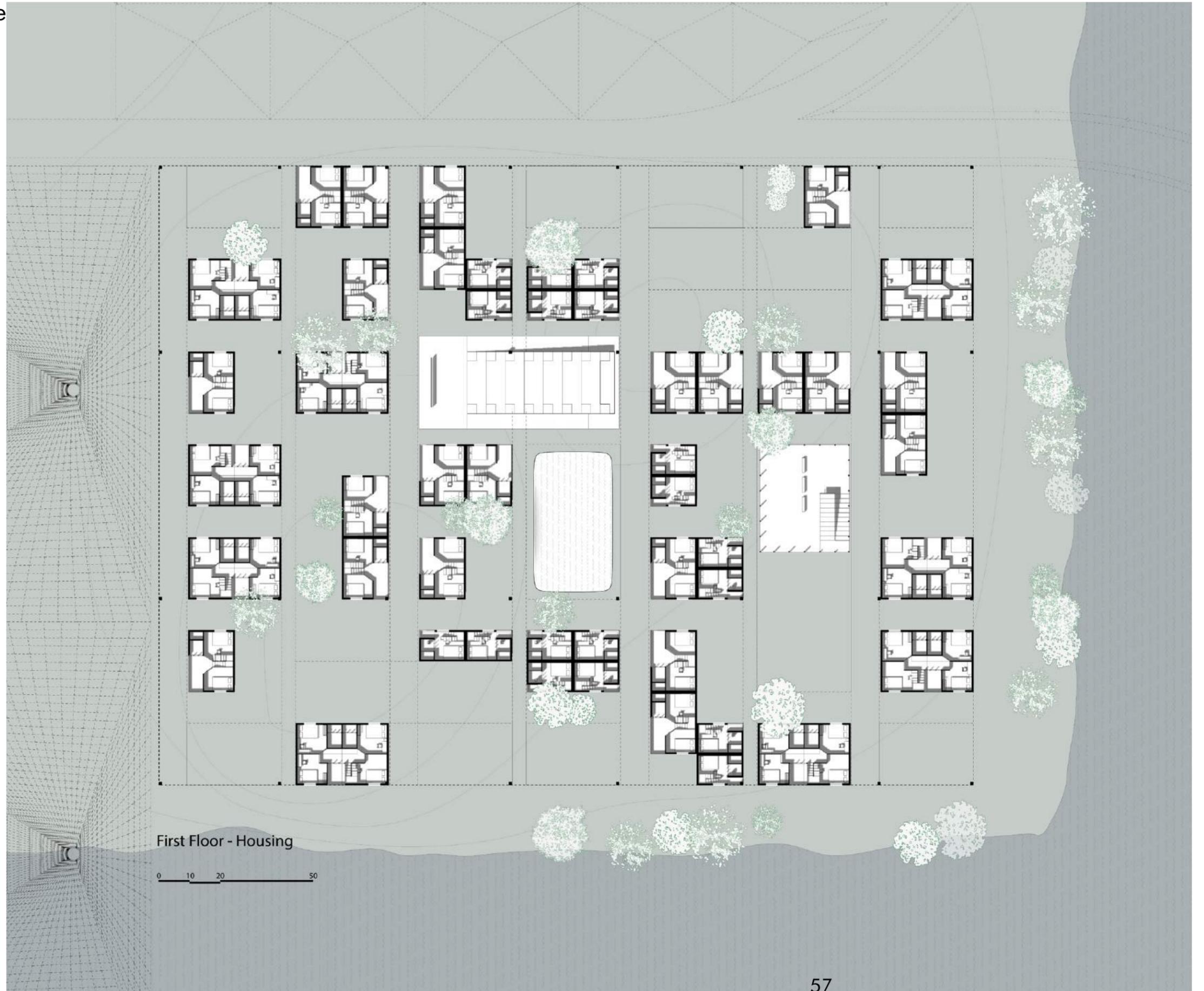




Program Layout



Greenhouse

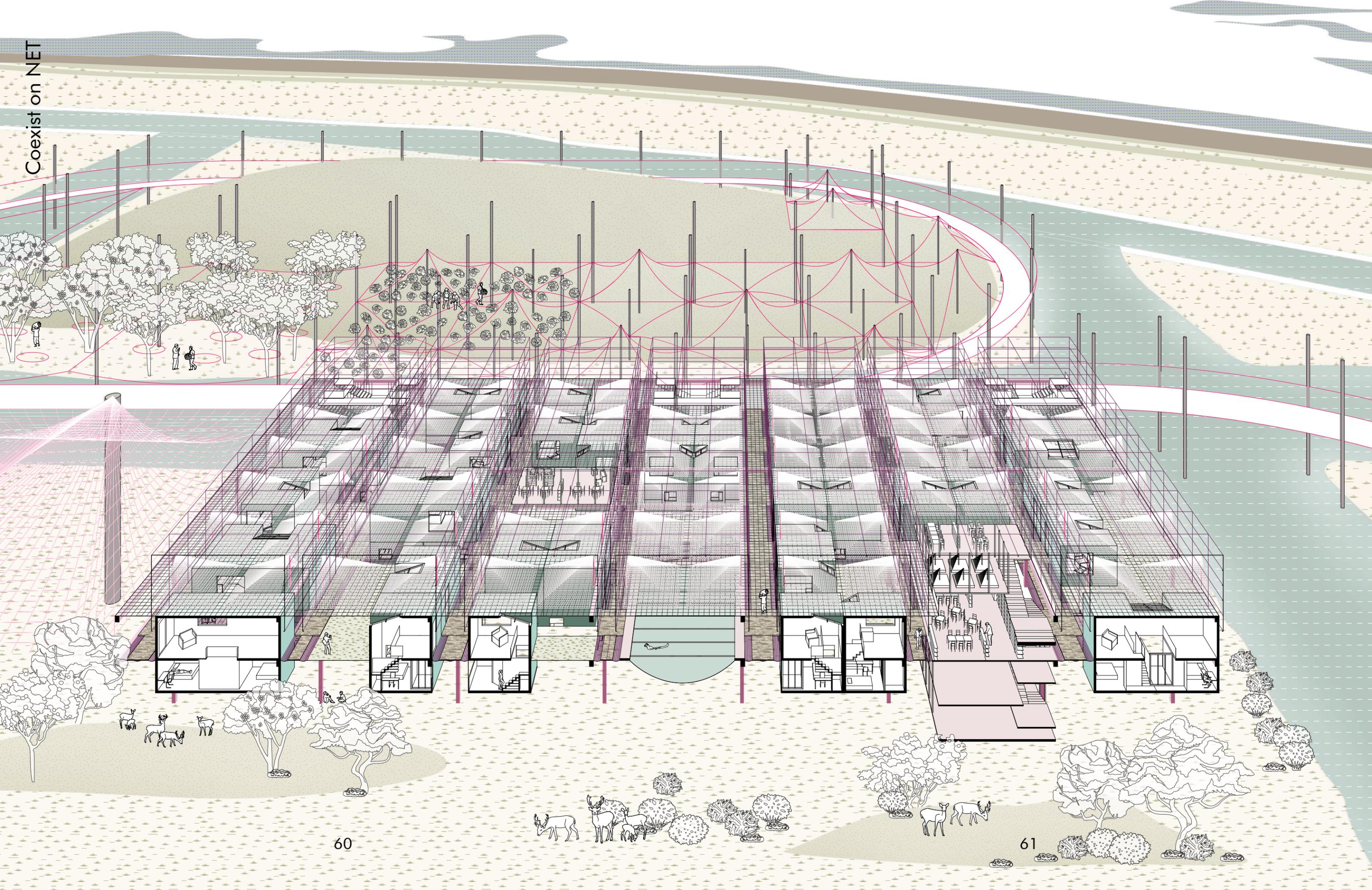


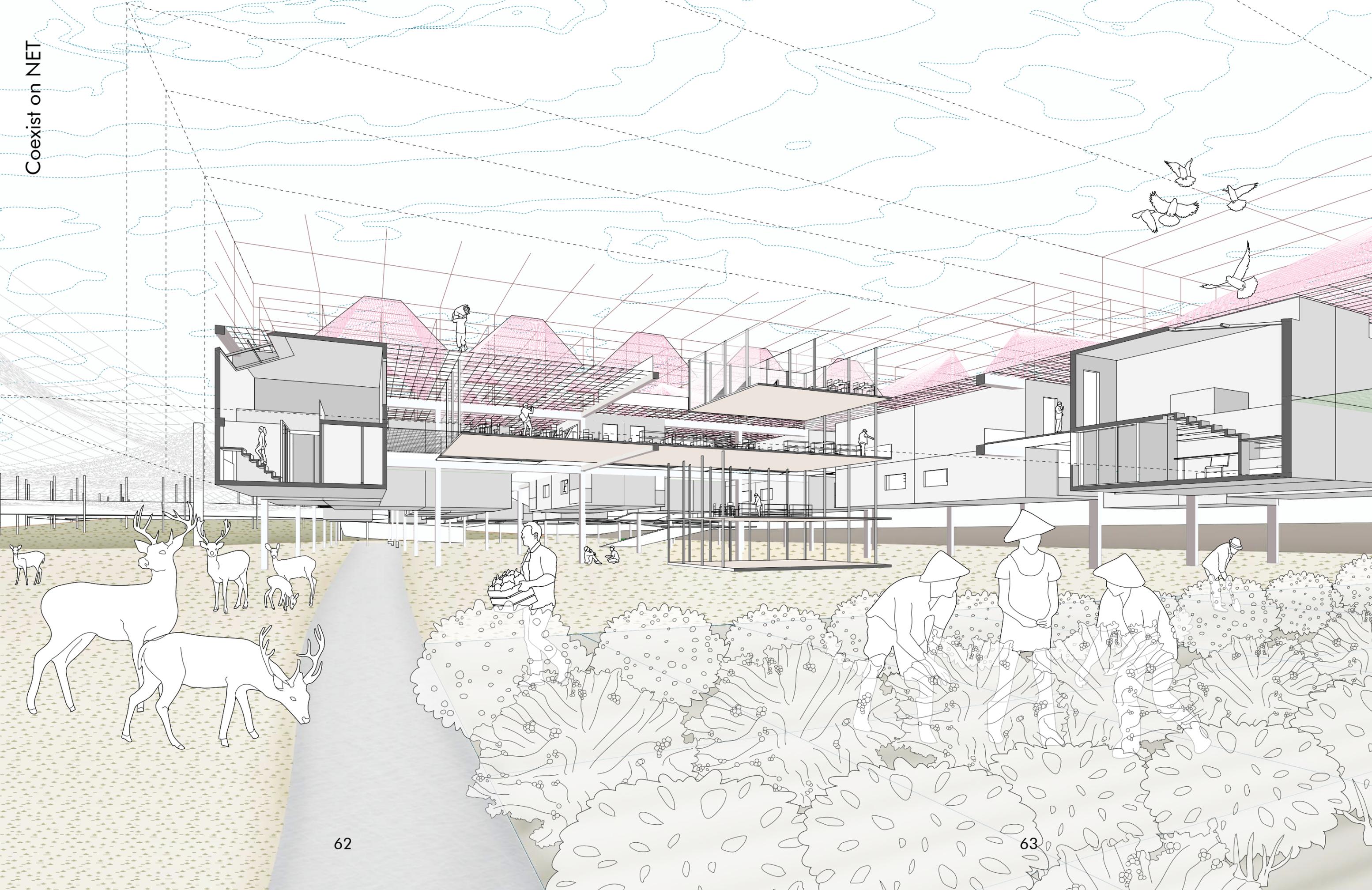
First Floor - Housing

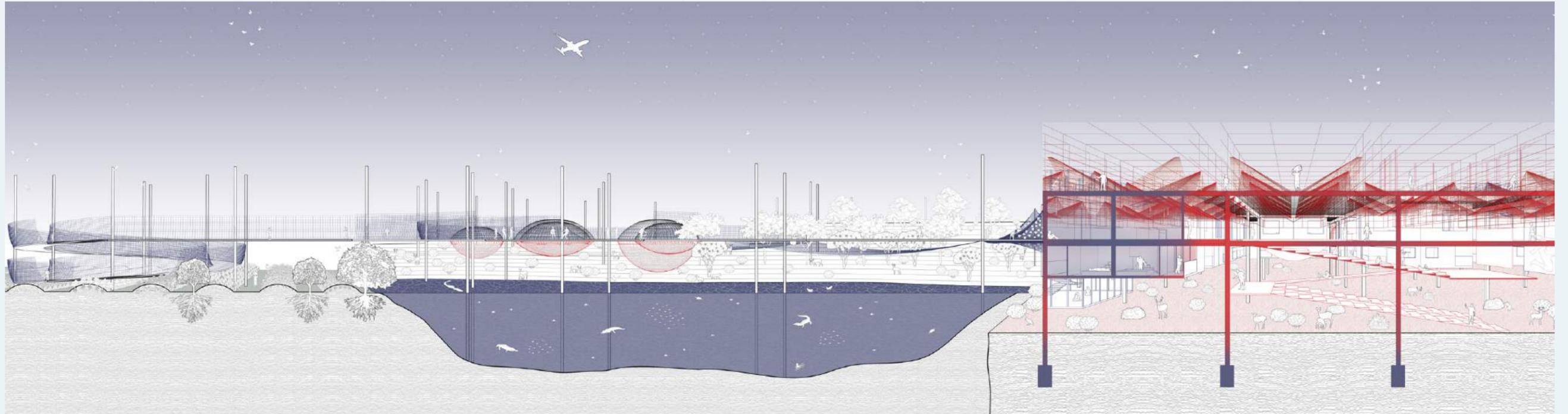
0 10 20 50

Greenhouse













Staircase Narrative

Washington DC could be humid and hot in summer, and as a prevalent place for travelers, the city needs a public place for visitors and also citizens. The place should have both architectural and natural elements to render a more leisure atmosphere and be considered as a cooling center especially during summer. The place should have mixed use spaces with a minimum interior walls, so that programs can be changed over seasons and years to satisfy the public needs.

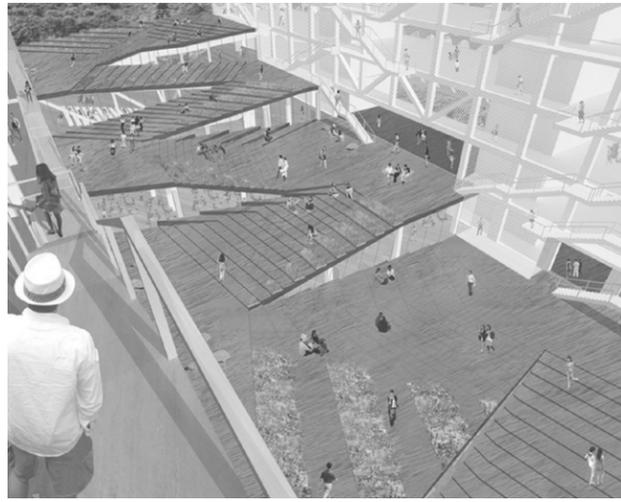
As the design is considering both architecture and natural environment, it is important to define the boundary of interior and exterior in the building. Staircases are essential elements that are needed in each floor and in this case can be the boundary to distinguish the inside and outside.

Staircases are also links that integrate spaces together; pathways that people walk on to experience the architecture and outside nature; dynamic social spaces where people take rest and hang out. Furthermore, by changing the property of the staircase itself they are even able to manipulate the speed of users while they are walking along.

GSAPP Studio, Spring 2020

Site: Washington DC, US

Instructor: Hillary Sample



1



2



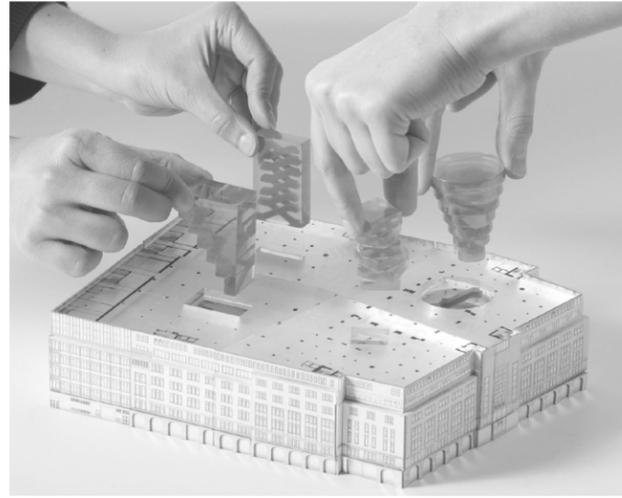
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6



3



4



7



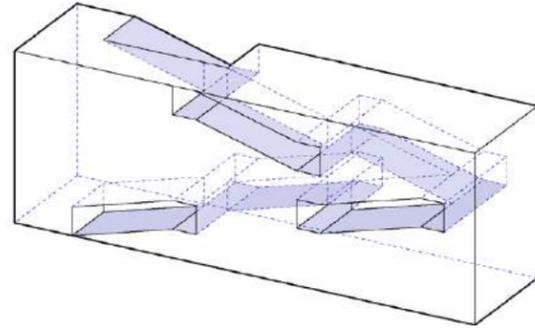
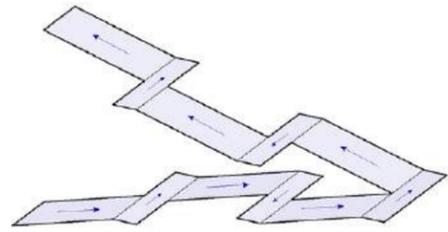
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Reference

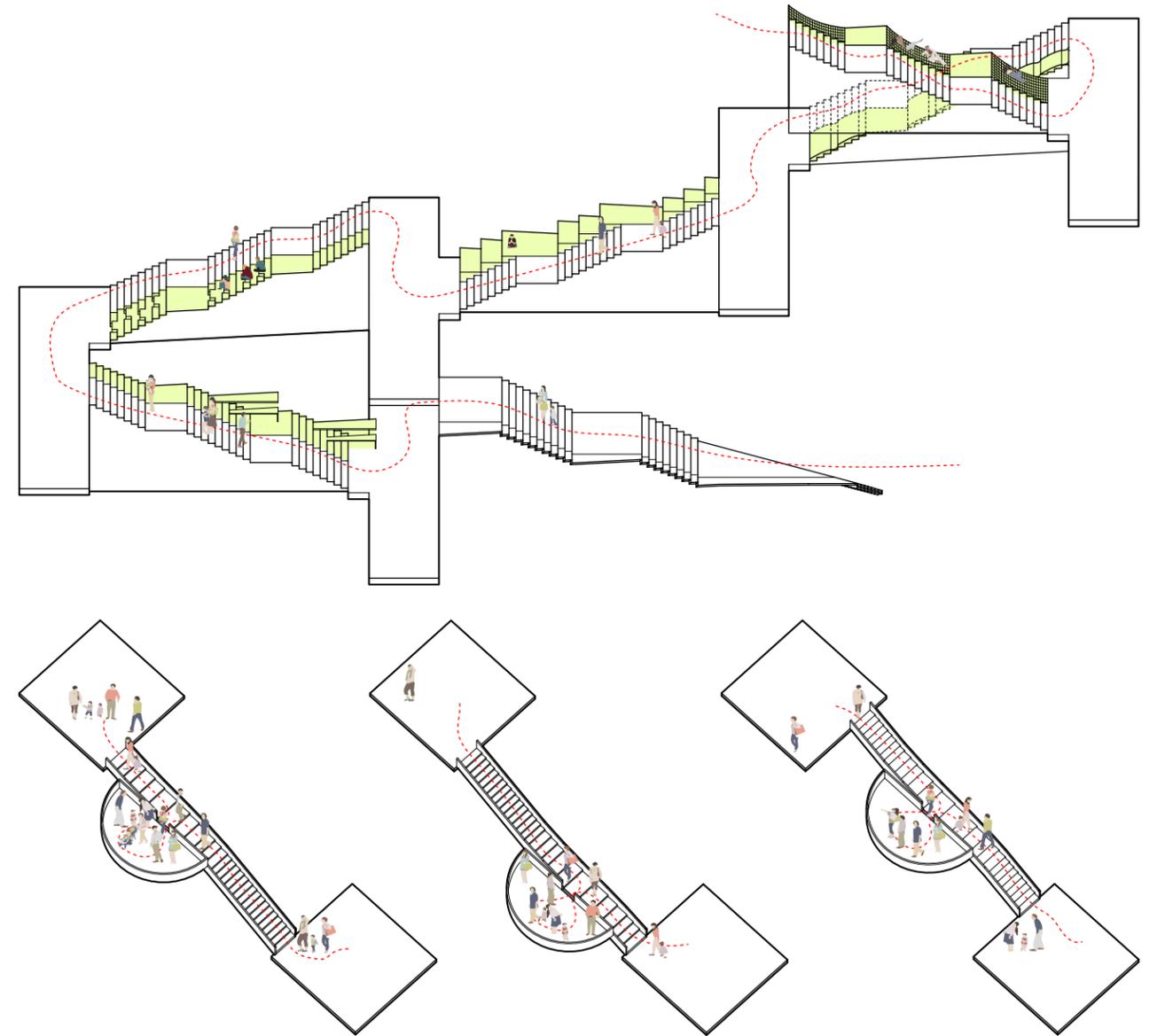
- 1 Chu Hai College, OMA
- 2 IIT student center, OMA
- 3 2017 Prada Show, OMA
- 4 KaDeWe, OMA
- 5 Botanical Garden, DC
- 6 Spy Museum, DC
- 7 National African American History Museum, DC

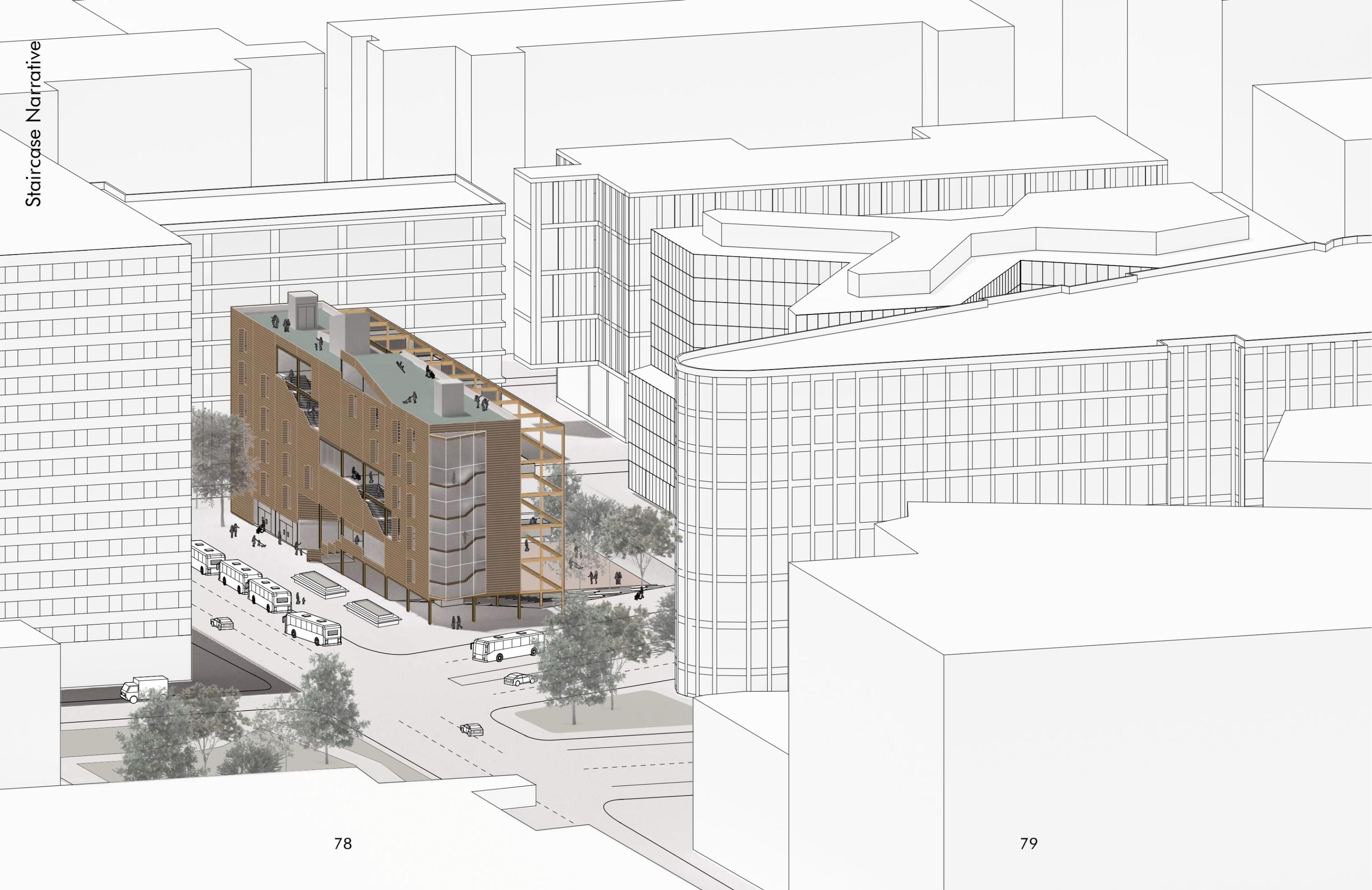


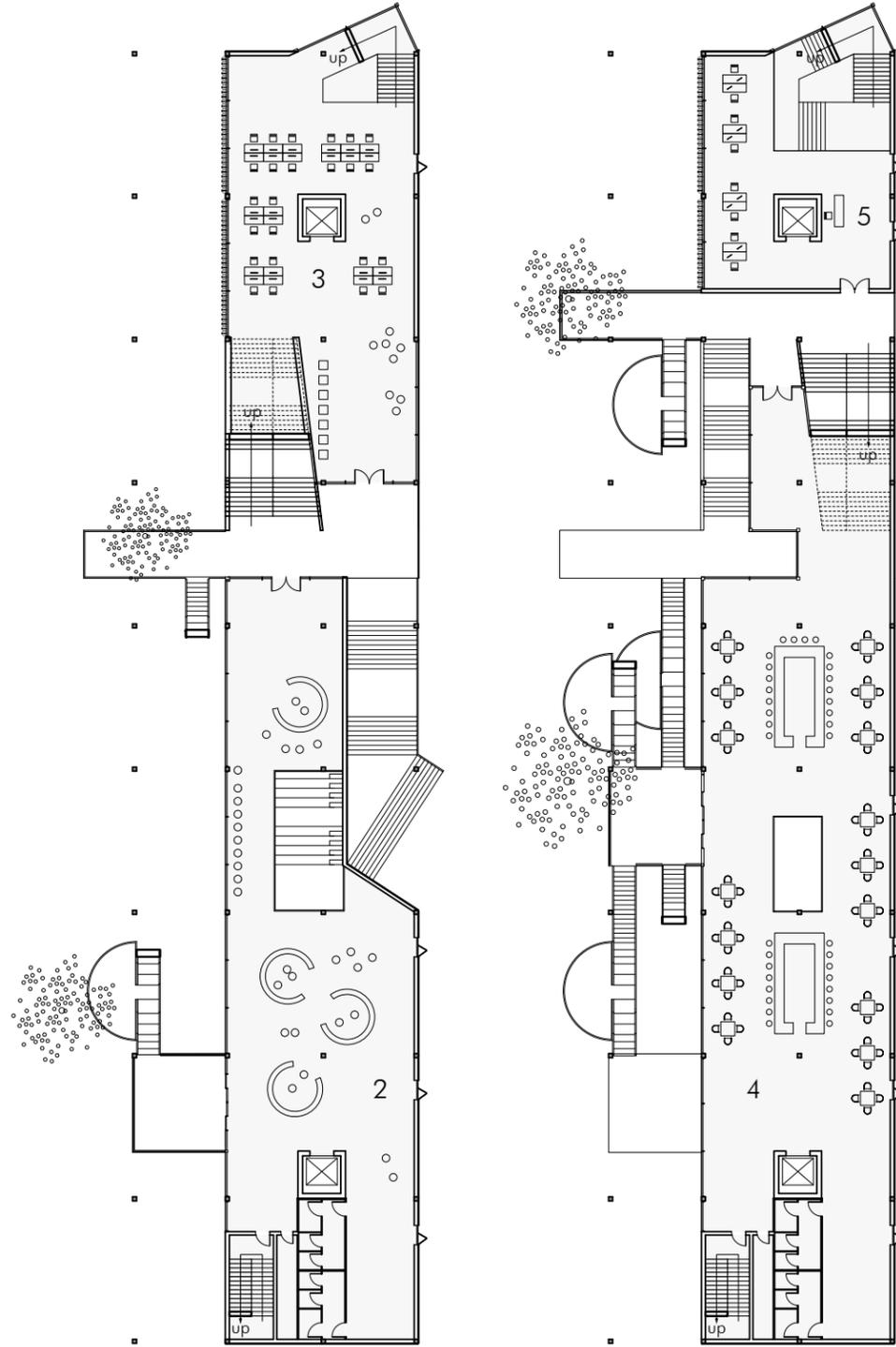
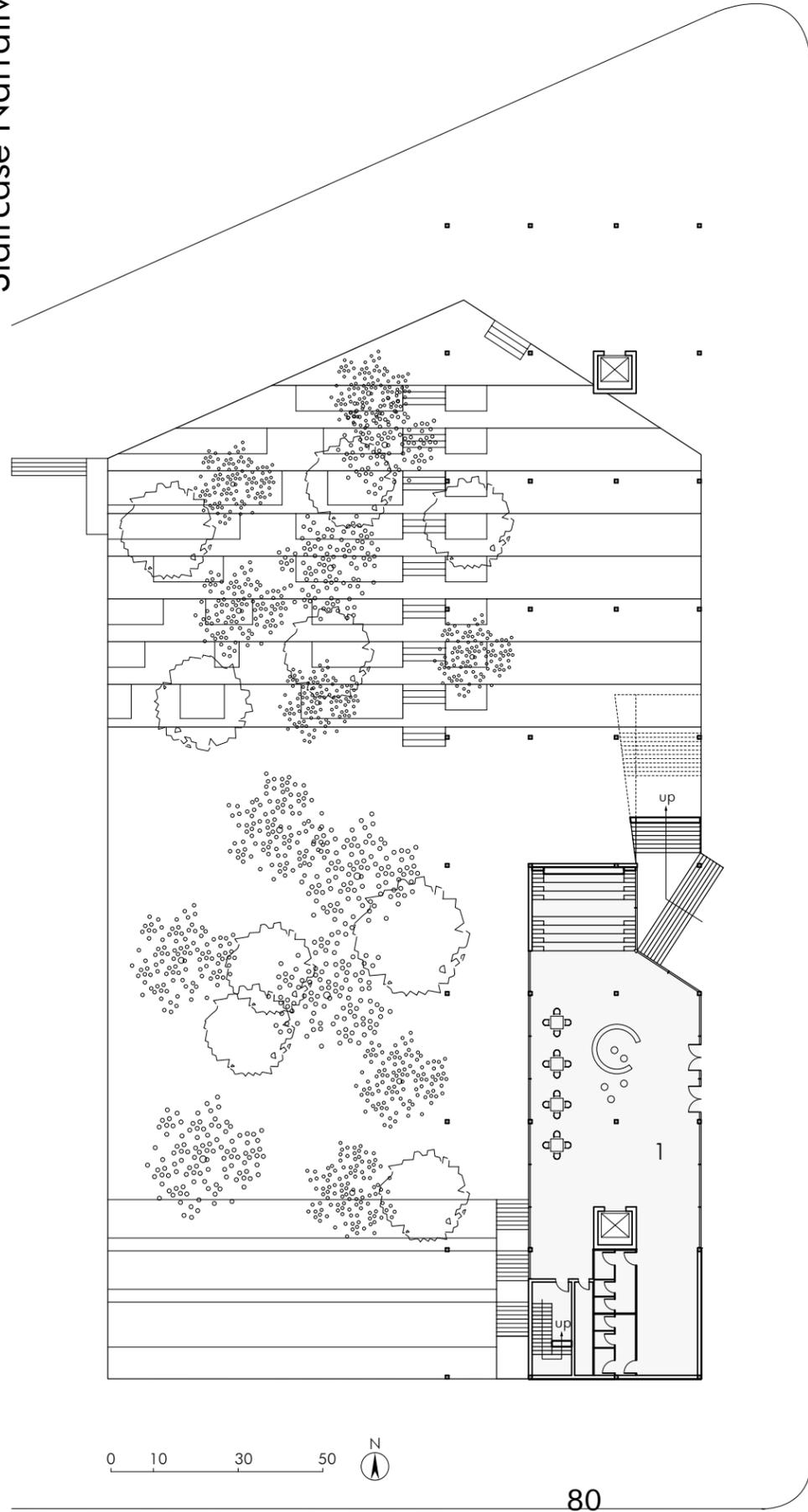
- Attraction
- Transportation
- Mall/Food
- Hotel
- Site



Staircases are also links that integrate spaces together; pathways that people walk on to experience the architecture and outside nature; dynamic social spaces where people take rest and hang out. Furthermore, by changing the property of the staircase itself they are even able

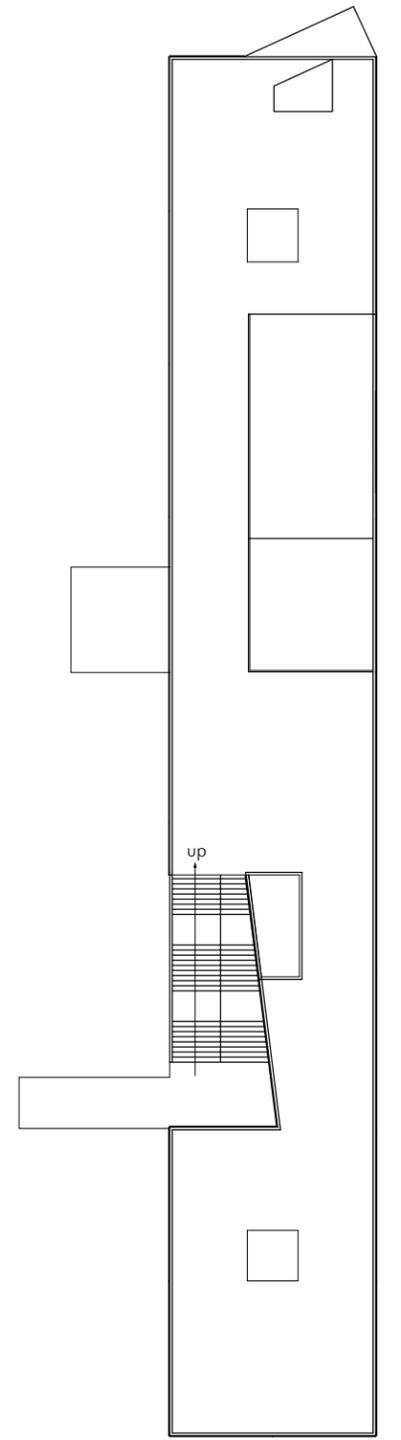
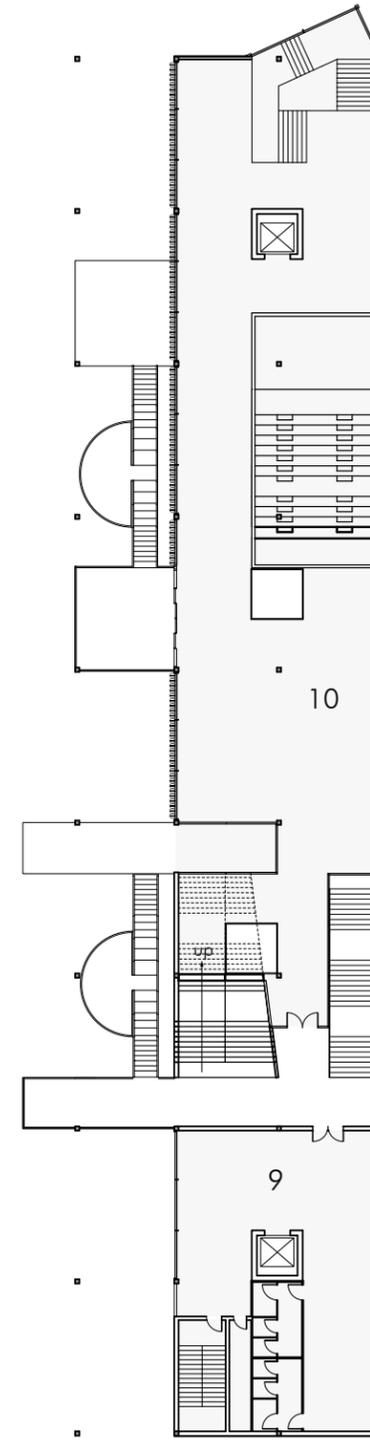
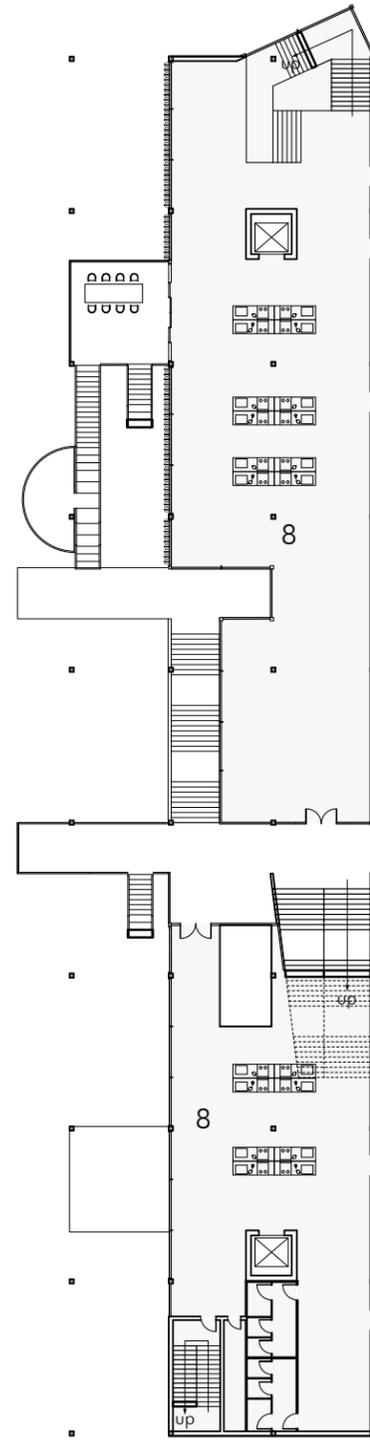
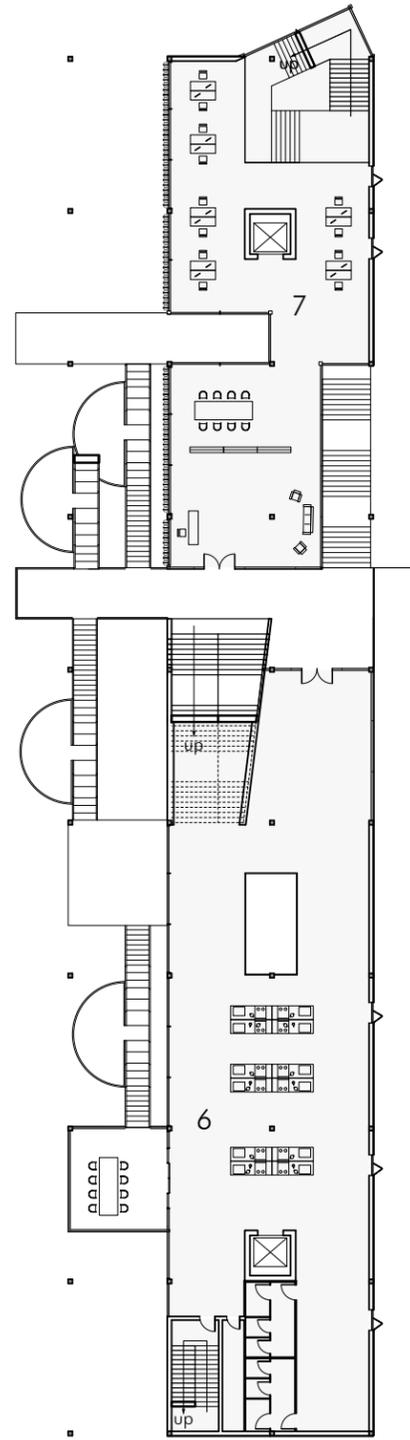






- 1. Bus Information
- 2. Tourist Library
- 3. Tourist Digital Lab
- 4. Food Retail Dining
- 5. Office

- 6. Shared Kitchen
- 7. Office
- 8. Kitchen and Classroom
- 9. Dressing Room
- 10. Event Space

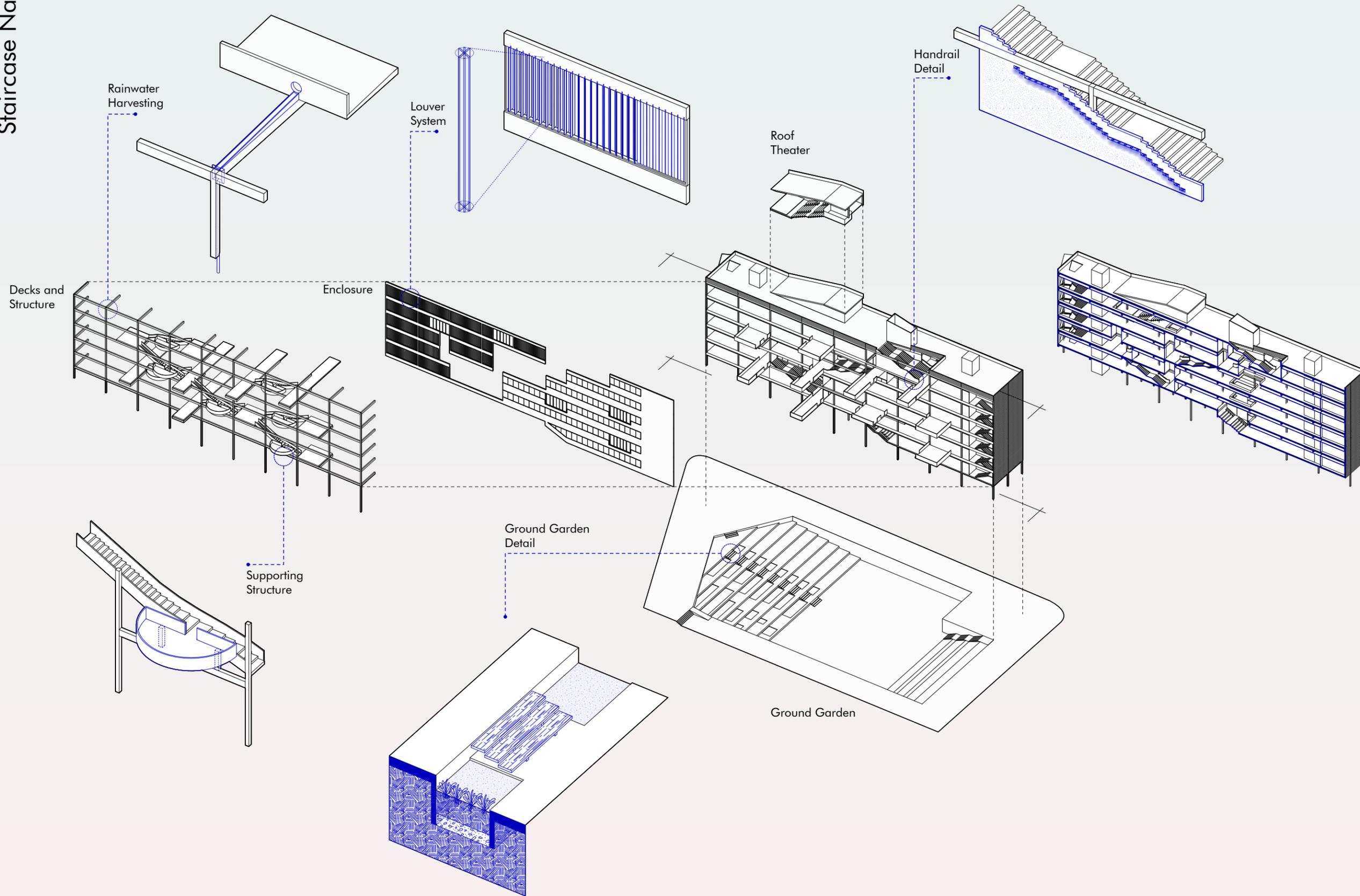




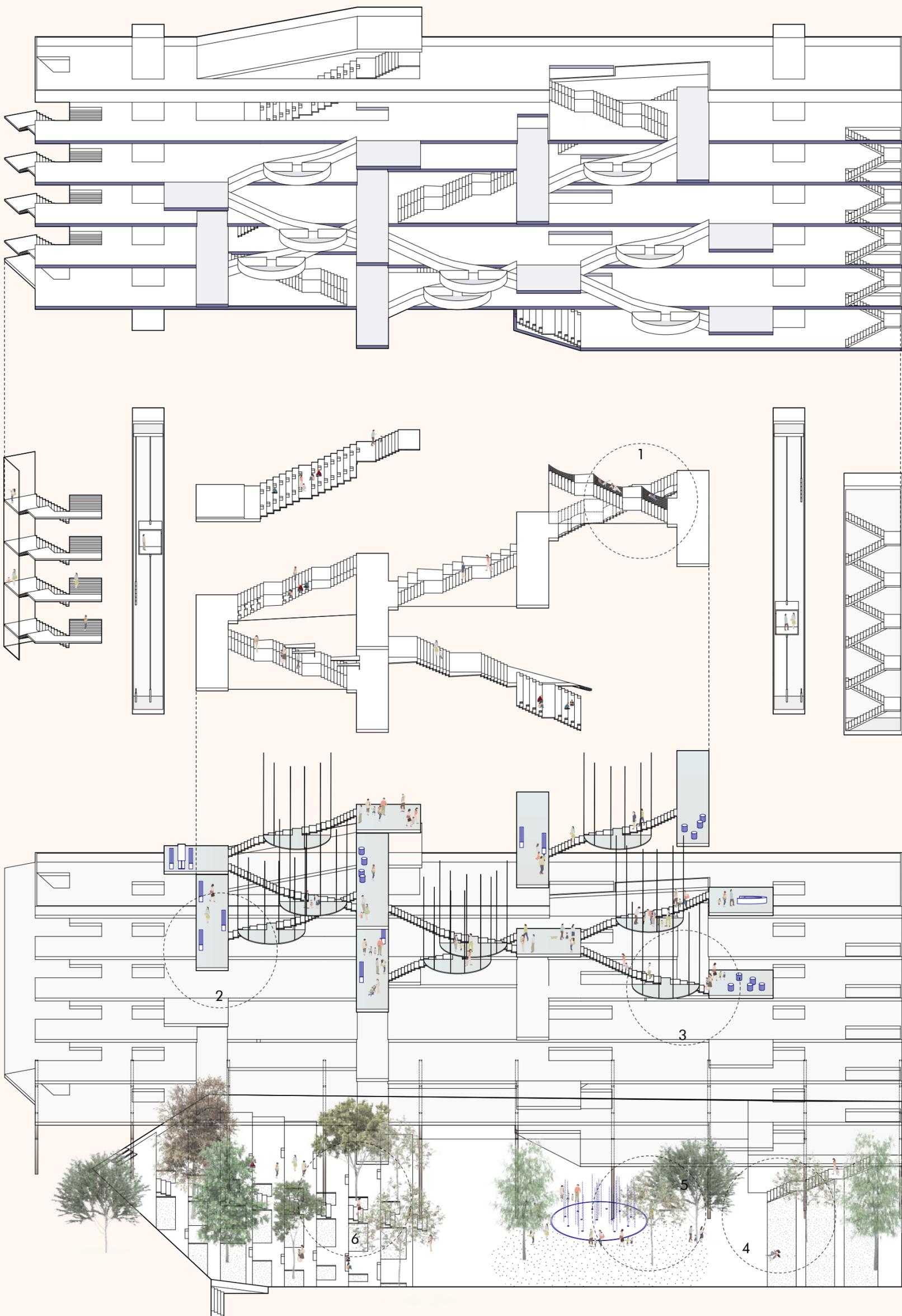
84

85

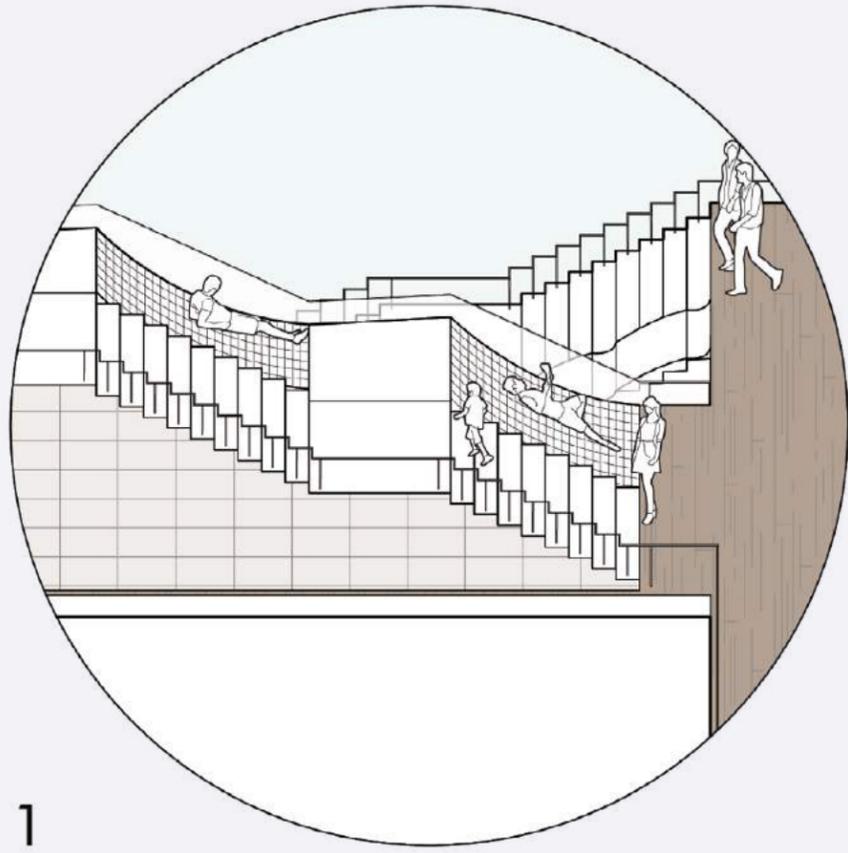
Ground Garden



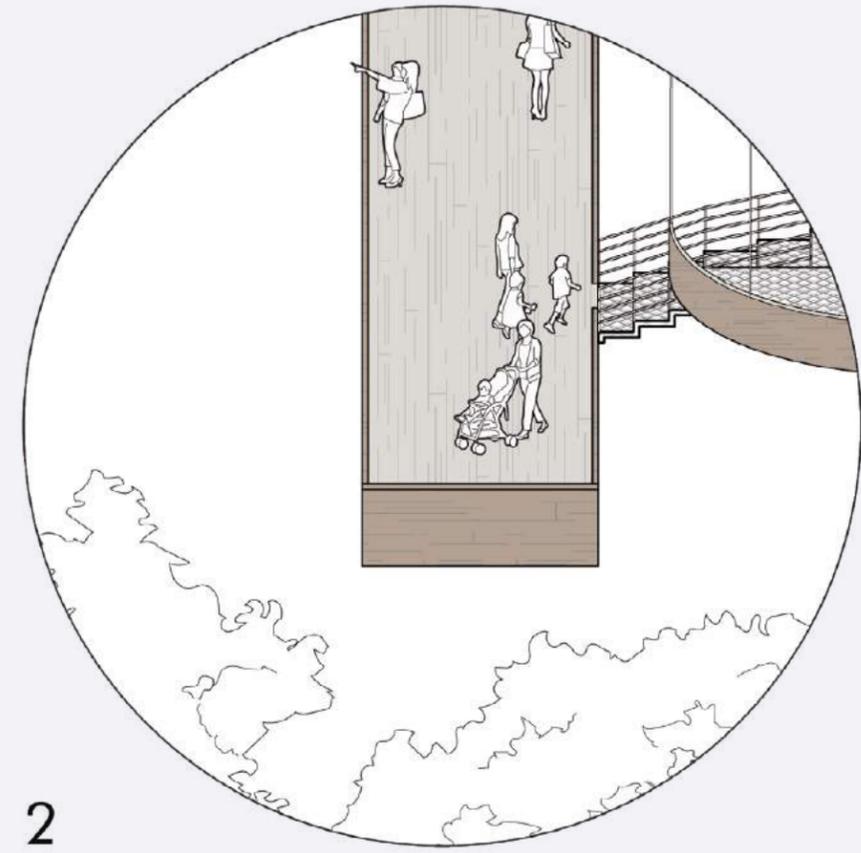
Staircase Narrative



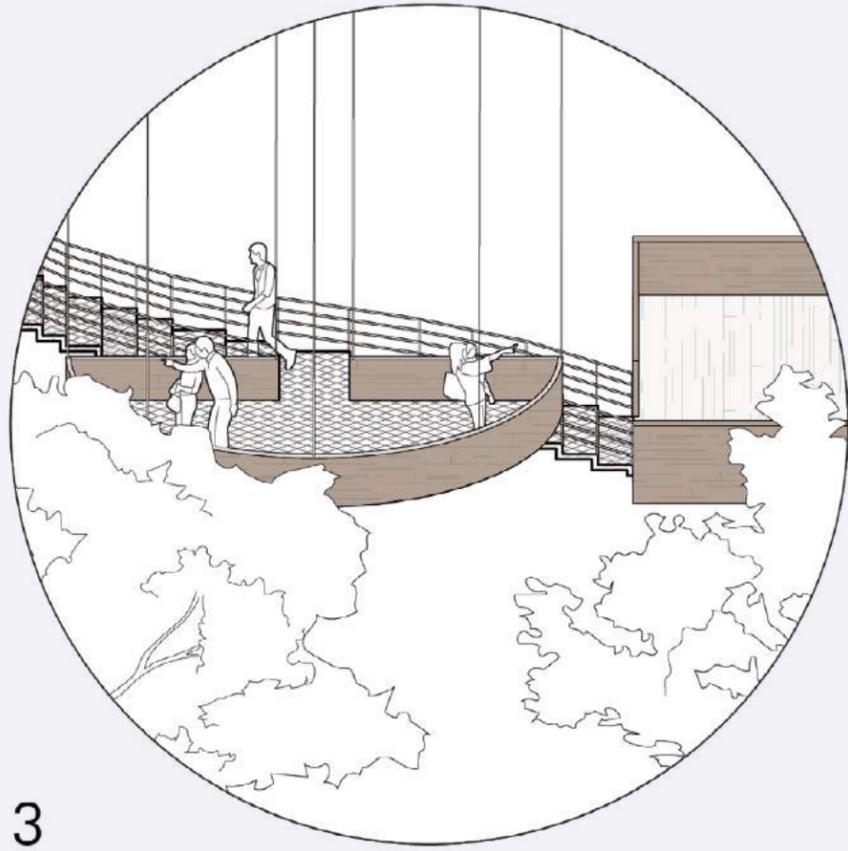
Mix-used Staircase



Observation Deck

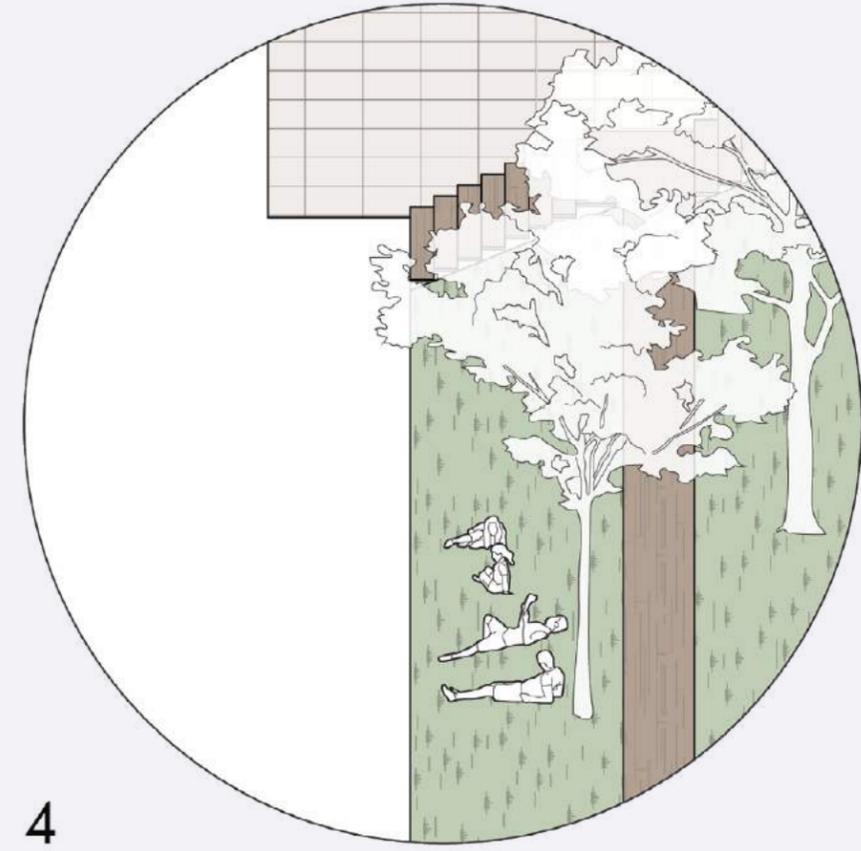


Landing Deck



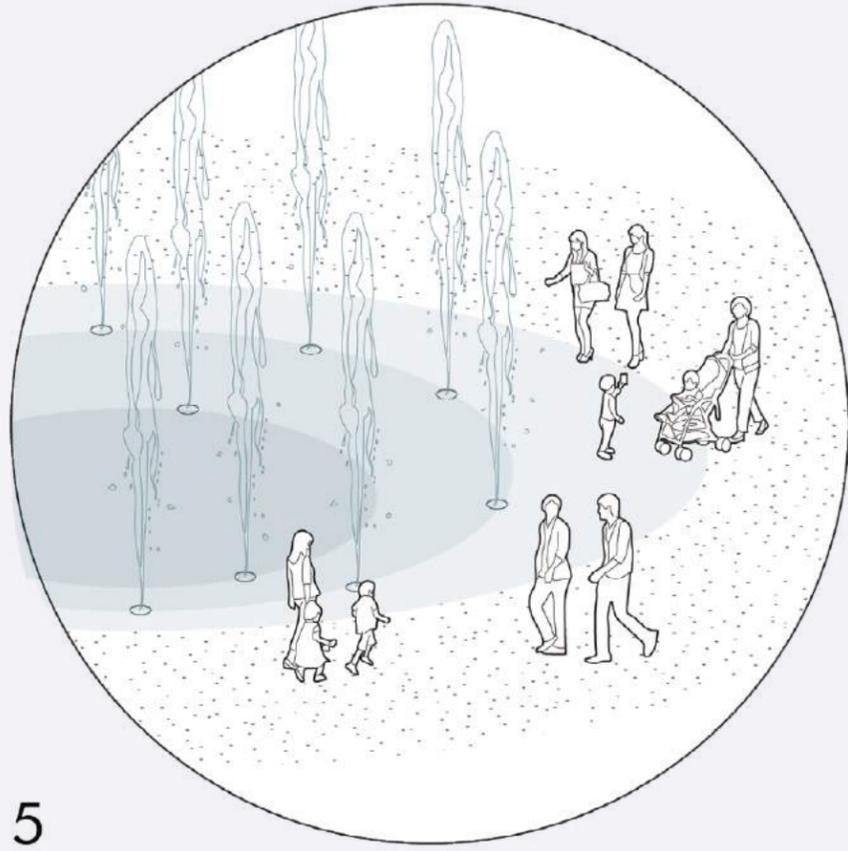
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Ground Garden



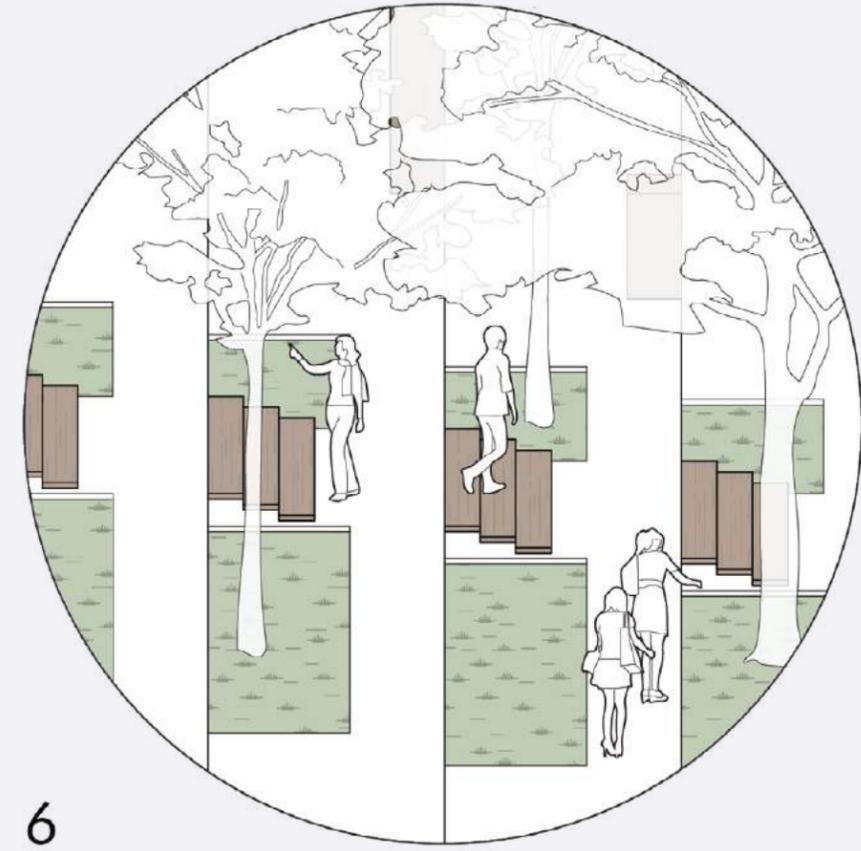
4

Ground Garden



5

Ground Access and Garden



6



Exterior
Main Staircase



Observation
Deck
Secondary
Deck Staircase



Observation Deck
Ground Garden



Ground Garden
Steps

Ground Garden
Fountain

Ground Garden
Slope

