



By Amina Nursaitova  
Location: Sharjah Art Foundation, Sharjah, UAE  
Project developed in 2025  
Site Area: 632 SQM  
Total Floor Area: 1100 SQM  
User Capacity: 100 visitors

# Social Roof

A R T L I B R A R Y



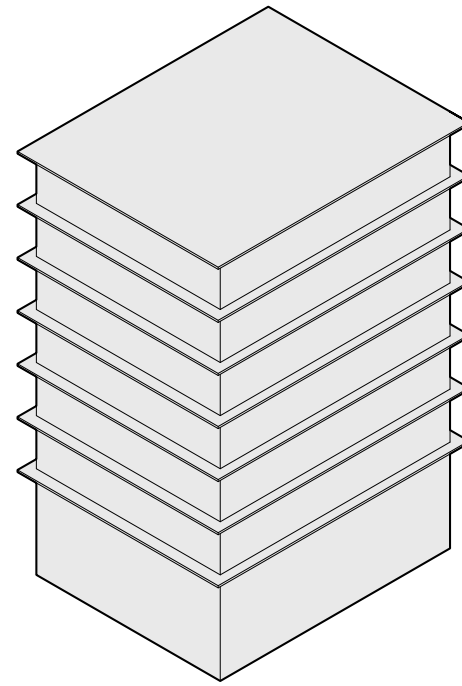
**Approaching the project from the West**



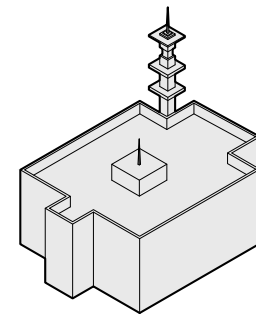
**Section Perspective  
A-A**

# Morphological City Scale Analysis

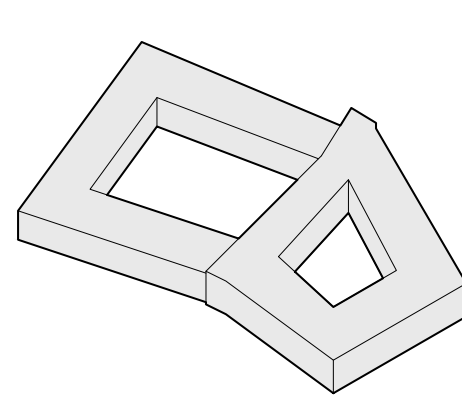
- Industrial
- Institutions
- Residential
- Commercial
- Art Galleries
- Theatres



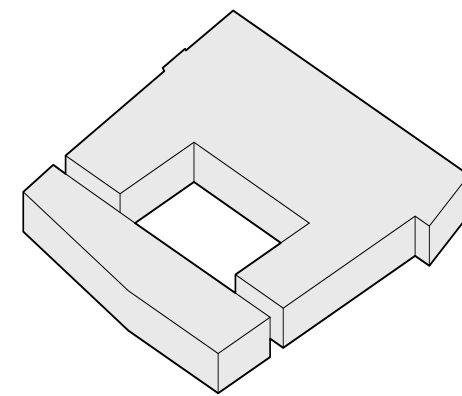
Residential



Mosques



Historical



SAF Galleries

**Microscale** | Site Typologies



**Macroscale** | City Functions

# Site Analysis

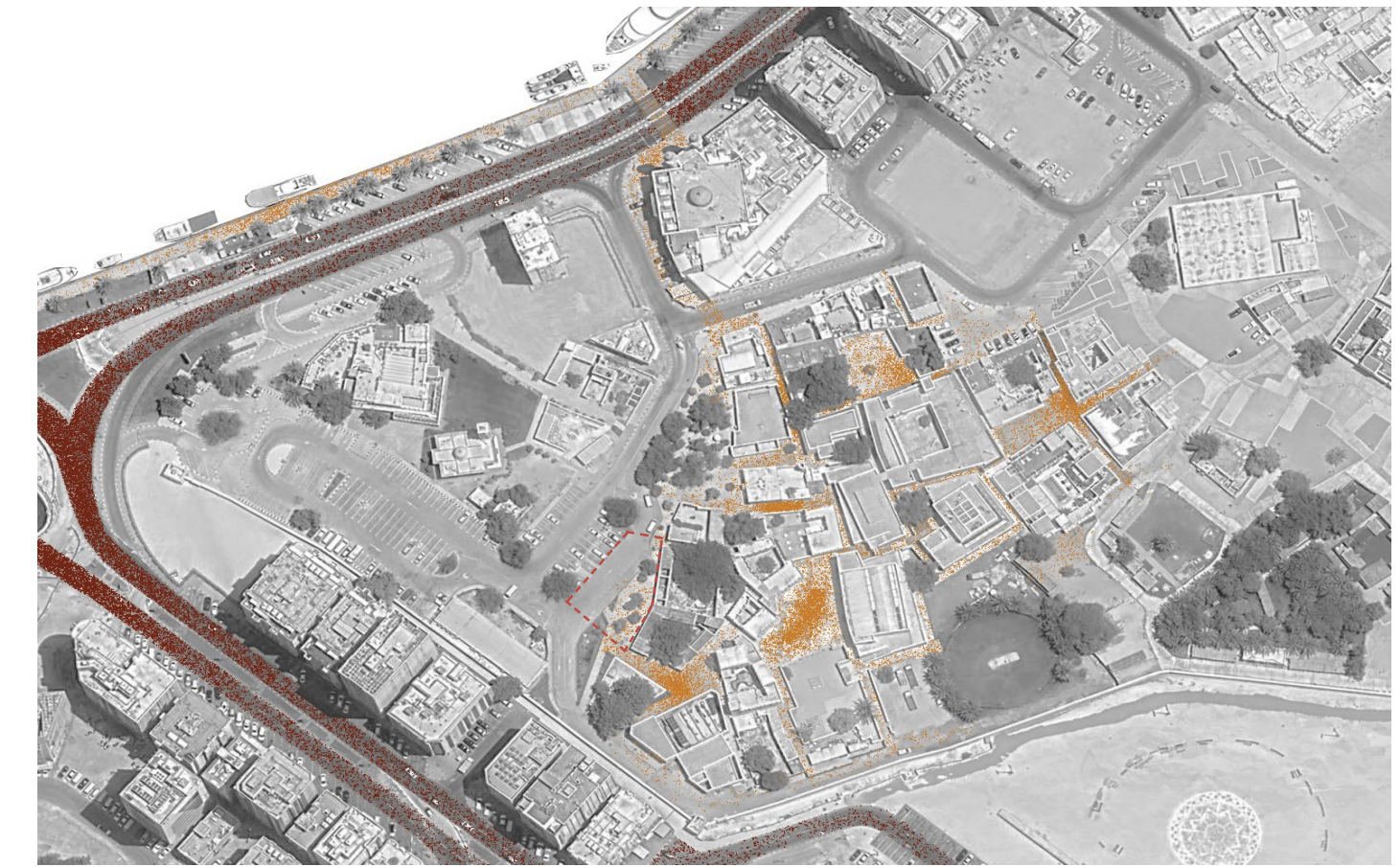
Partial Credit to:  
Amna Alsuwaidi | Amina Nursaitova | Rida Khan

# Morphological

Paths and Activity



Macroscale | Vehicular Paths



Microscale | Activity Diagram

Pedestrian activity is concentrated around key nodes such as intersections, shaded rest points, and entrances to community spaces like galleries, cafés, and public plazas. affected by sikkah width, where narrow paths encourage slower movement and wider paths allow easier flow.

- Primary Roads
- Secondary Roads
- Pedestrian Paths
- Nodes

# Site Analysis

Partial Credit to:  
Amna Alsuwaidi | Amina Nursaitova | Rida Khan



Narrow Sikkah



Wide Sikkah



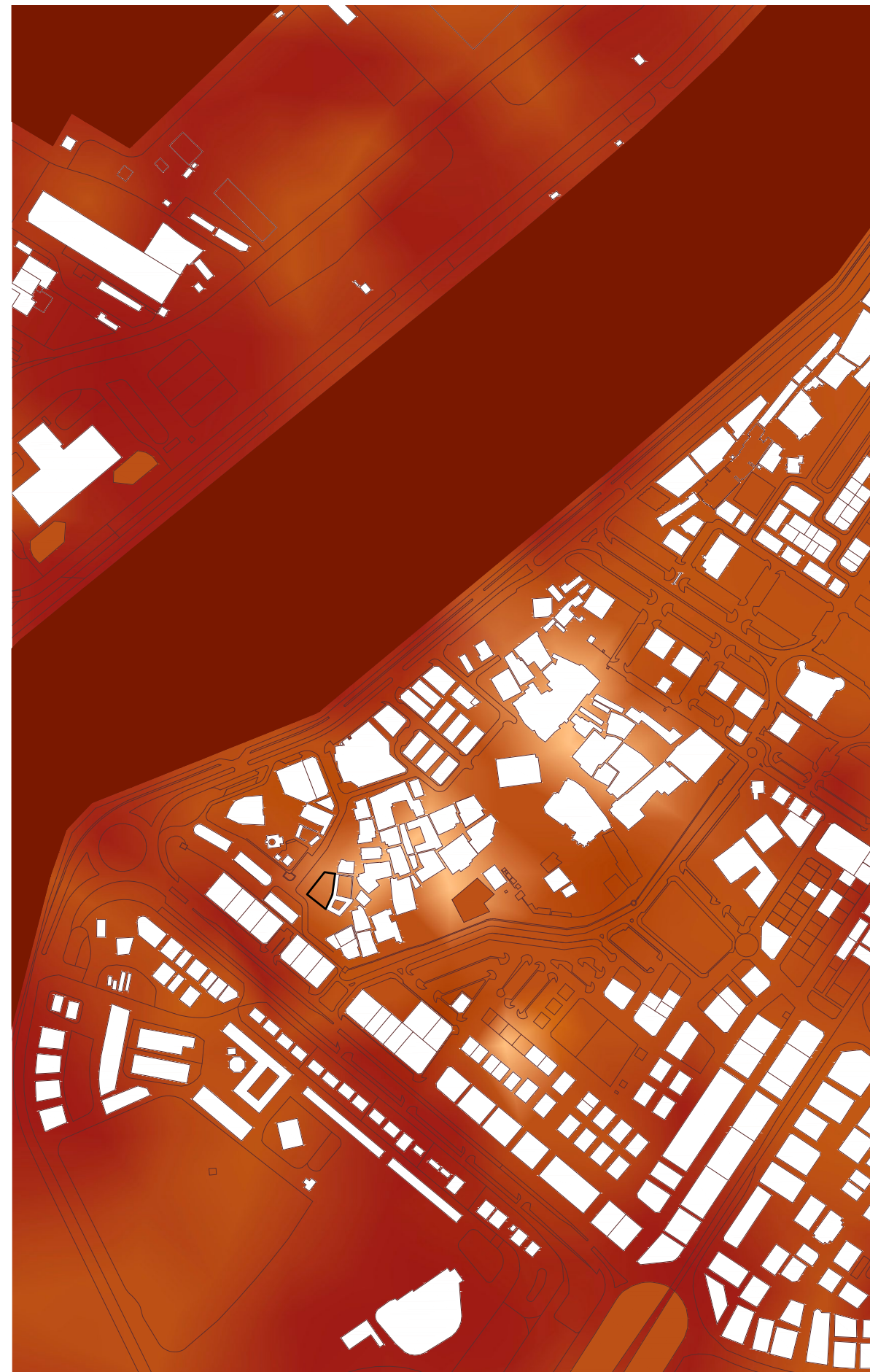
Sikkah Shaded by Vegetation



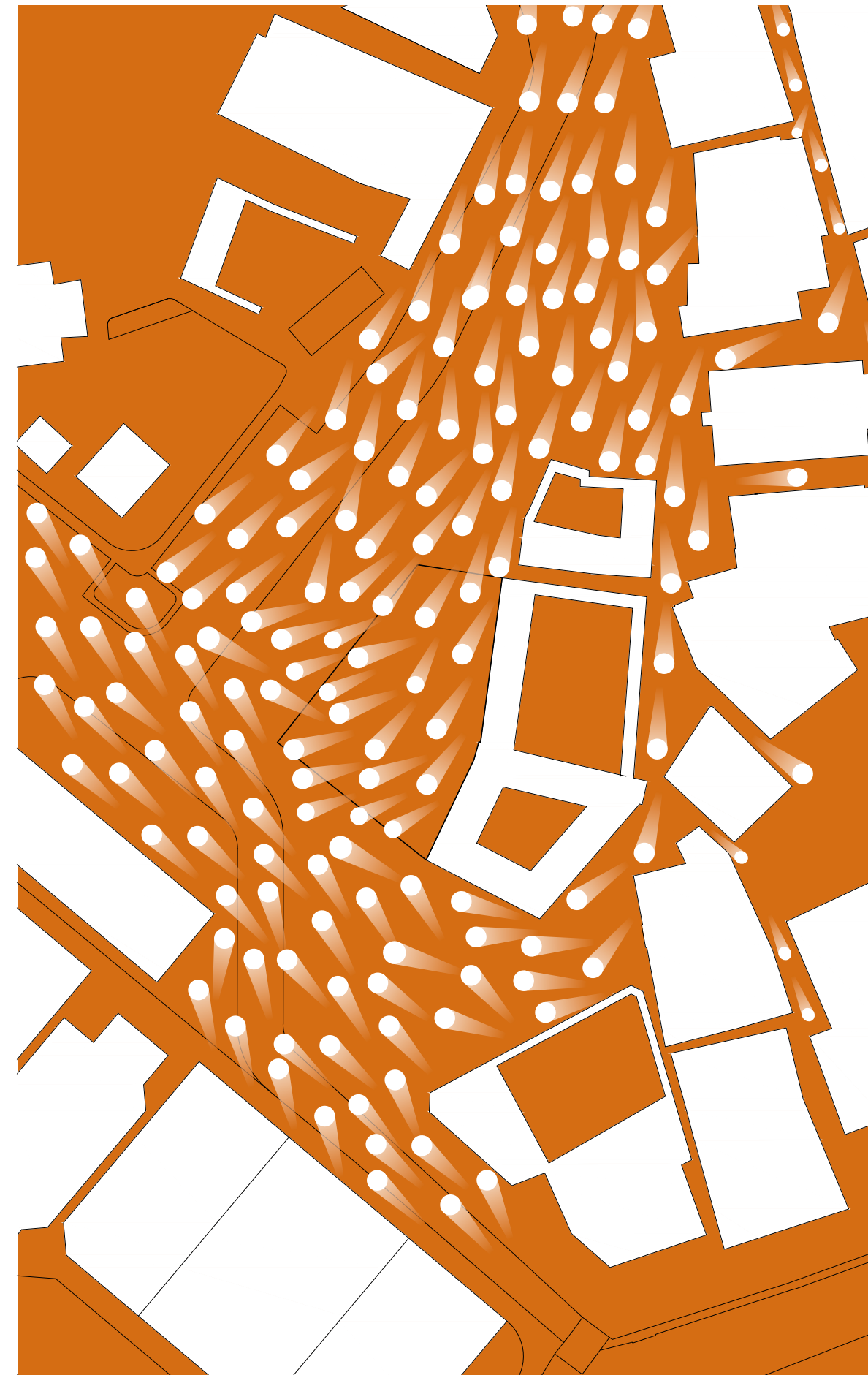
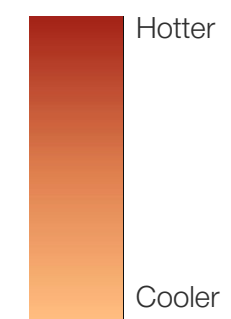
Vehicular Approach to Site

# Environmental

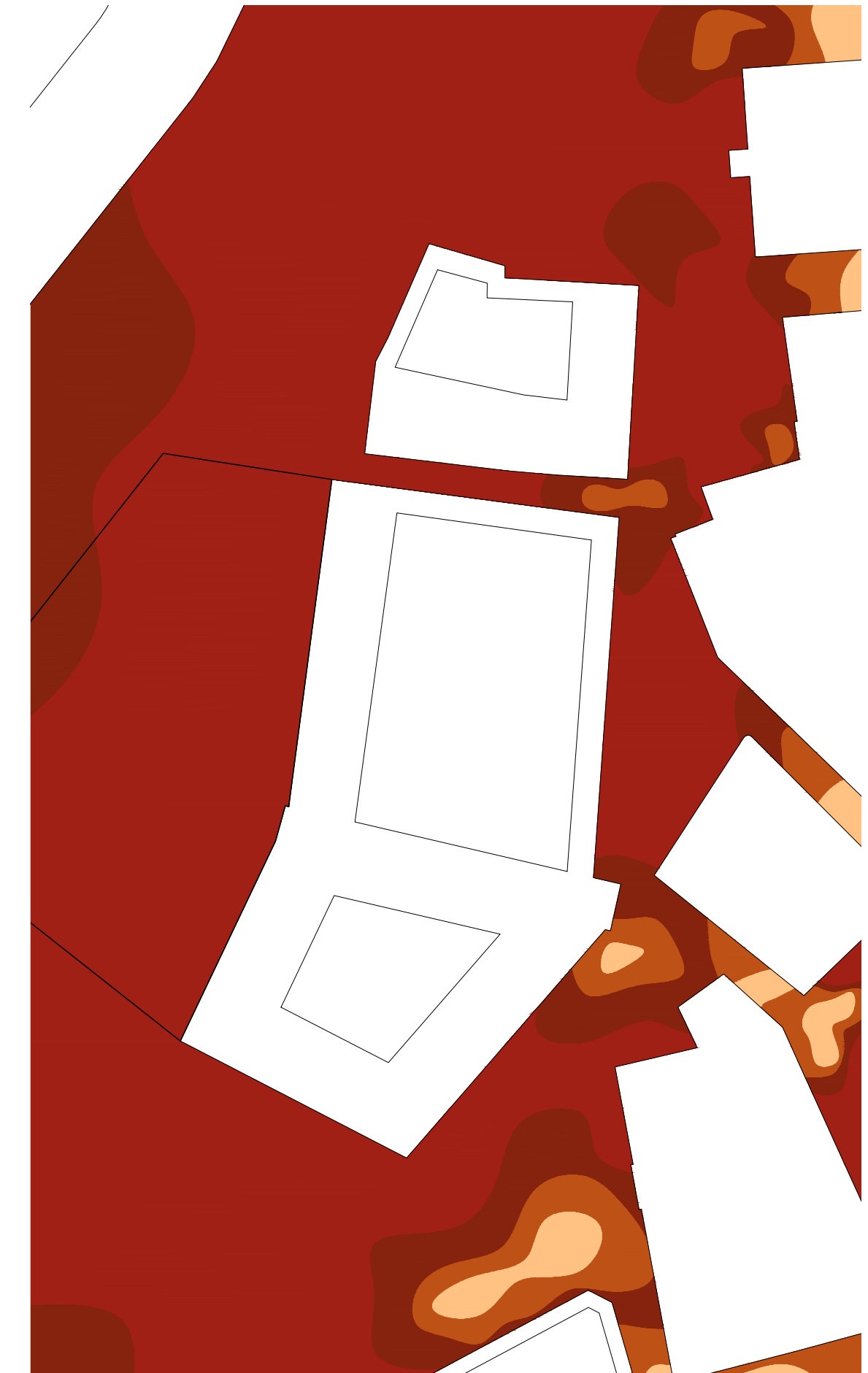
## Wind Tunneling in Sikkahs



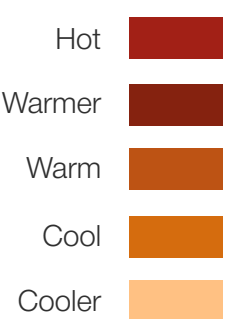
Macroscale | City Temperatures



Microscale | Wind Tunneling in Sikkahs



Microscale | Effect of Wind Tunneling on Temperature

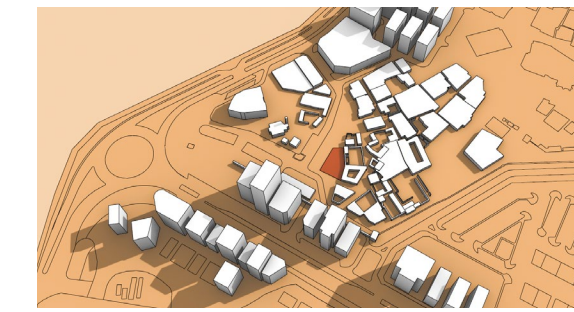


Observational data shows that wind tunneling through narrow sikkah channels accelerates airflow, lowering the felt temperature and creating a cooler environment that encourages pedestrian activity.

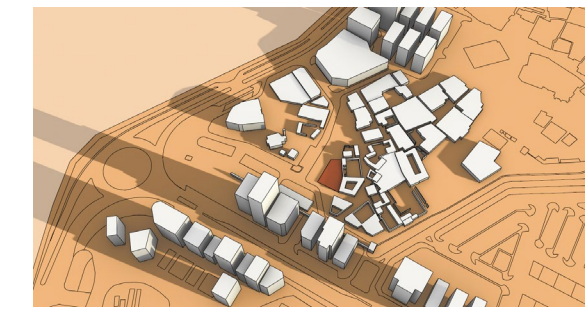
# Site Analysis

Partial Credit to:  
Amna Alsuwaidi | Amina Nursaitova | Rida Khan

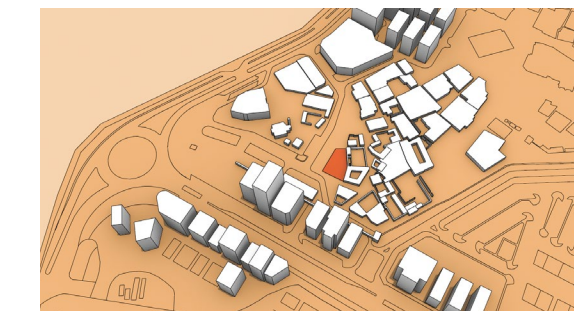
# Enviromental Climatic Analysis



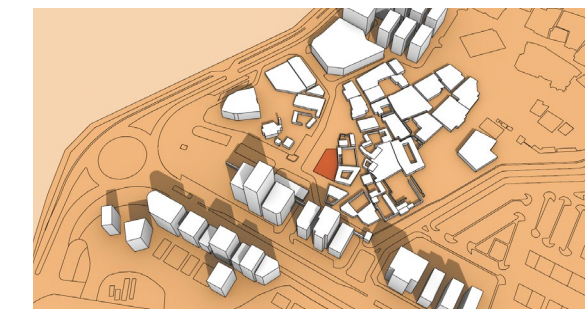
Summer | 8 am



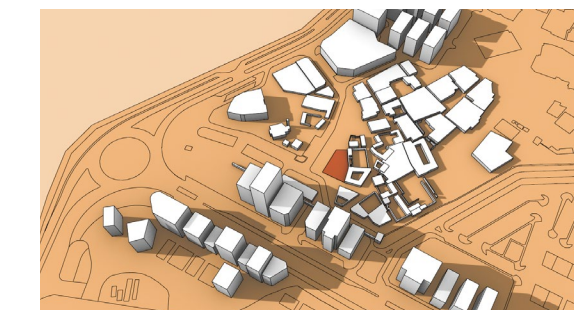
Winter | 8 am



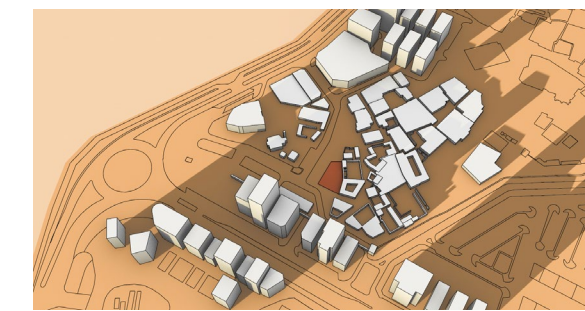
Summer | 12 pm



Winter | 12 pm



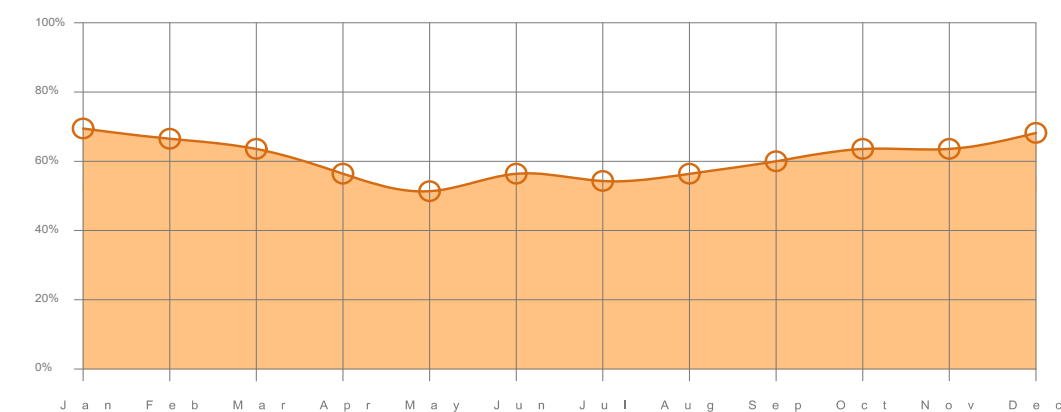
Summer | 5 pm



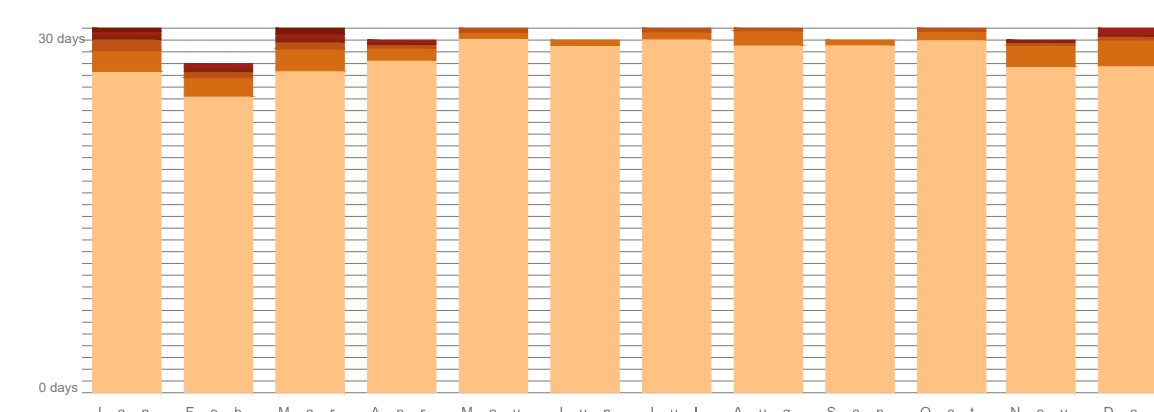
Winter | 5 pm

# Site Analysis

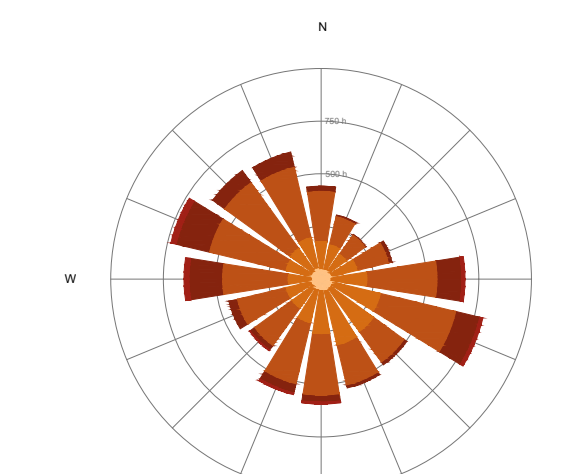
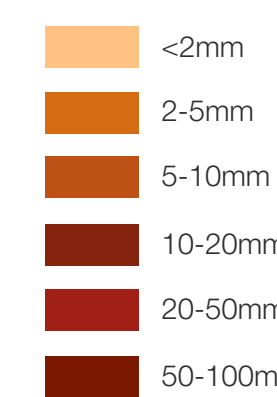
Partial Credit to:  
Amna Alsuwaidi | Amina Nursaitova | Rida Khan



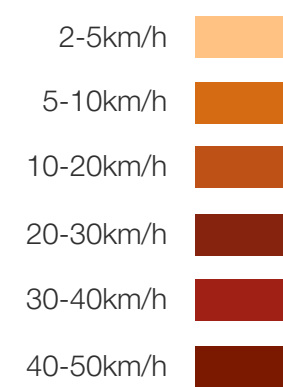
Humidity



Precipitation

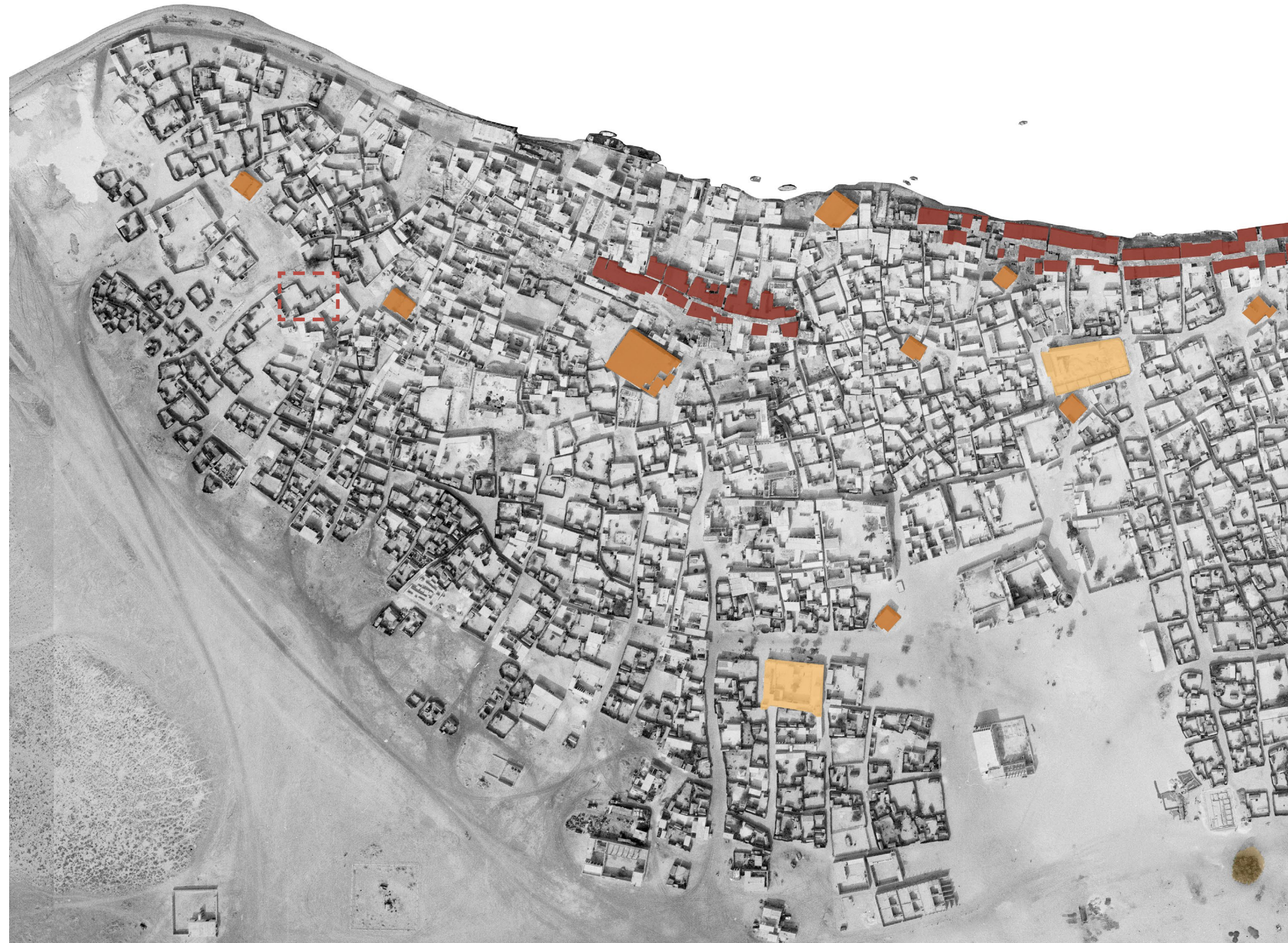


Windrose



# Social Spaces

A Historic Overview



1960 | Clustered Formation



2025 | Irregular Grided Formation

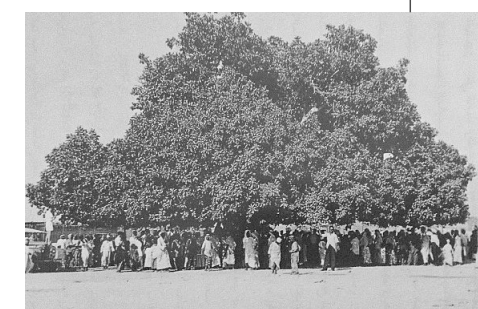
- Souqs ■
- Mosques ■
- Schools ■
- Rolla Tree ■



1948 | Seaside Market



1950 | Market Sikkah



1972 | Roula Tree Gathering



1973 | Destruction of Hisn



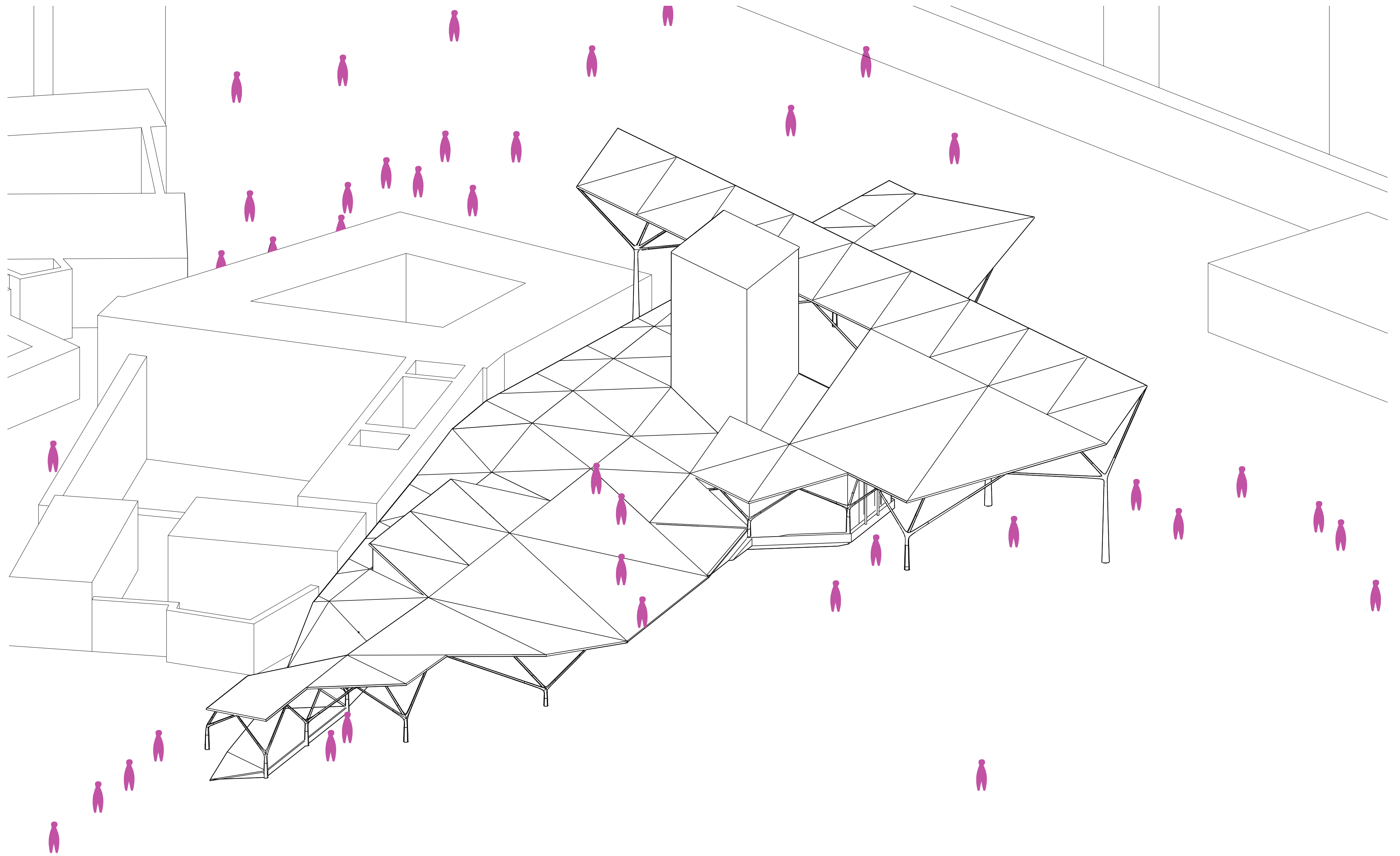
1978 | Construction of the Bank Street New Buildings



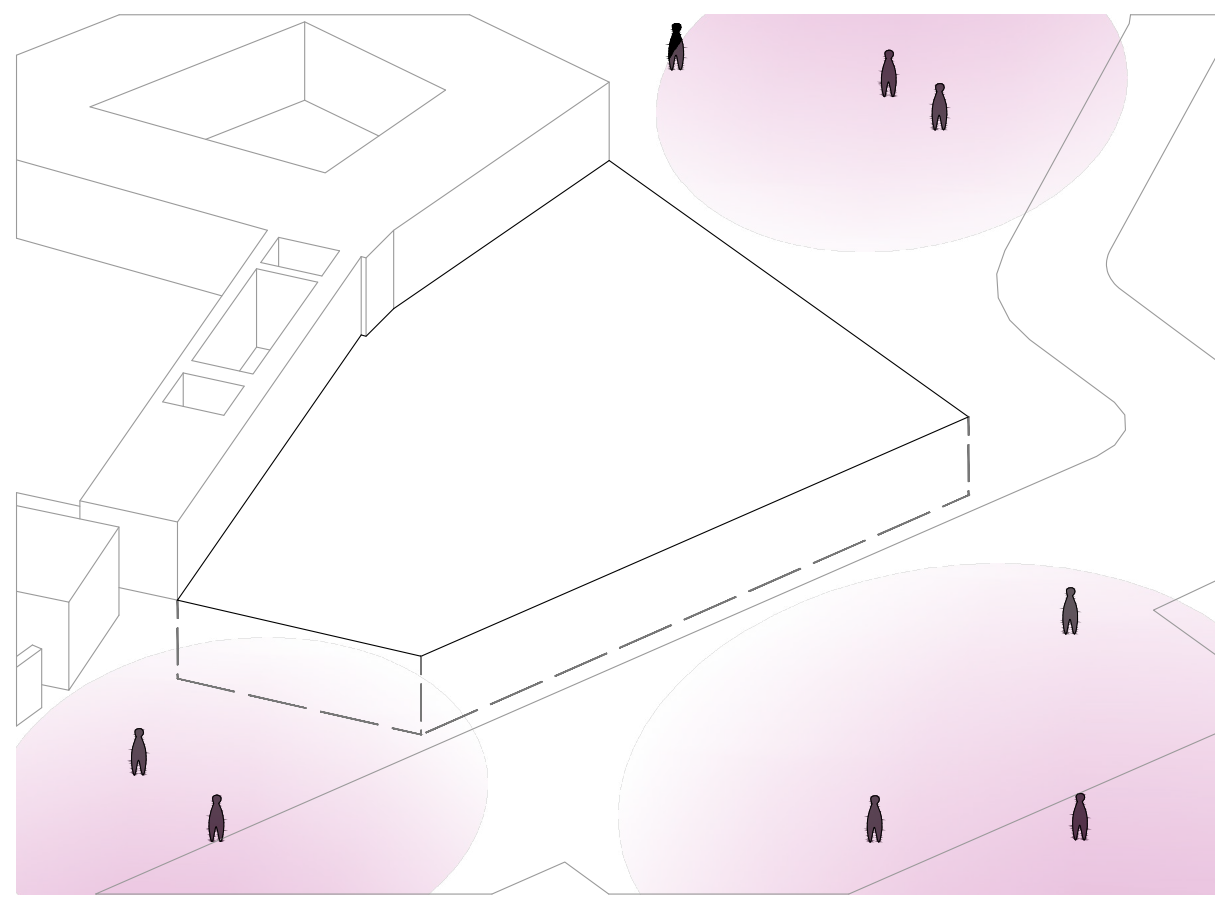
2025 | Destruction of Bank street buildings

# Site Analysis

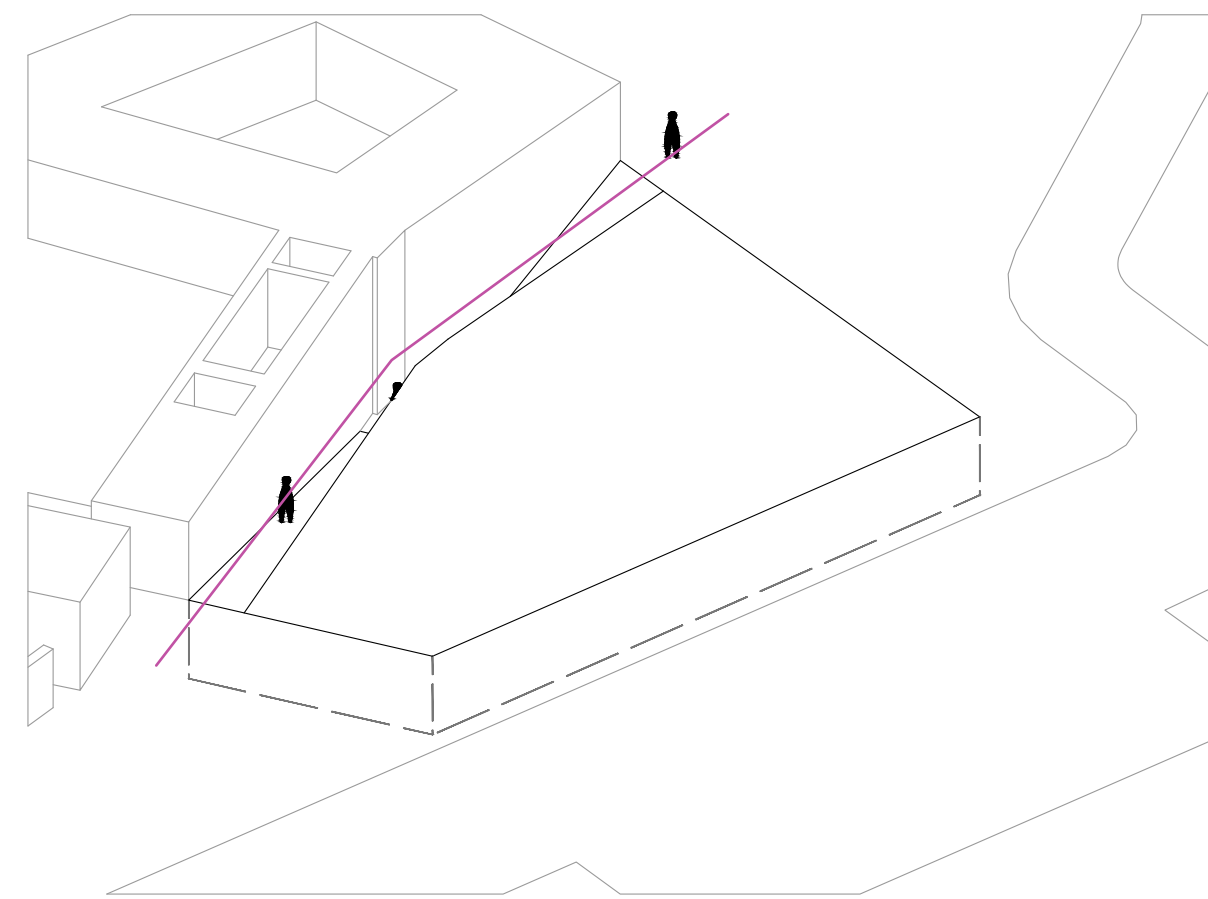
Partial Credit to:  
Amna Alsuwaidi | Amina Nursaitova | Rida Khan



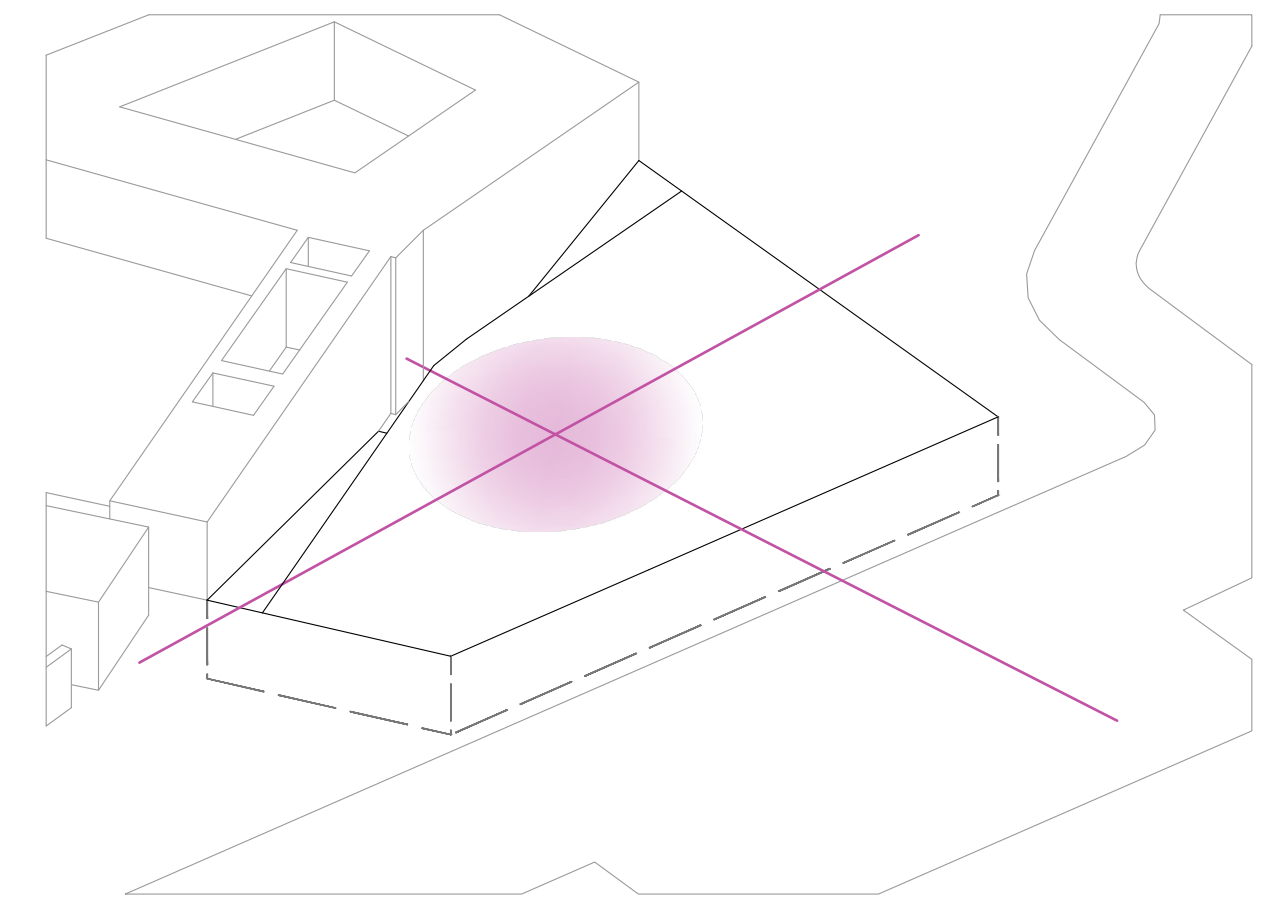
# Design Strategy



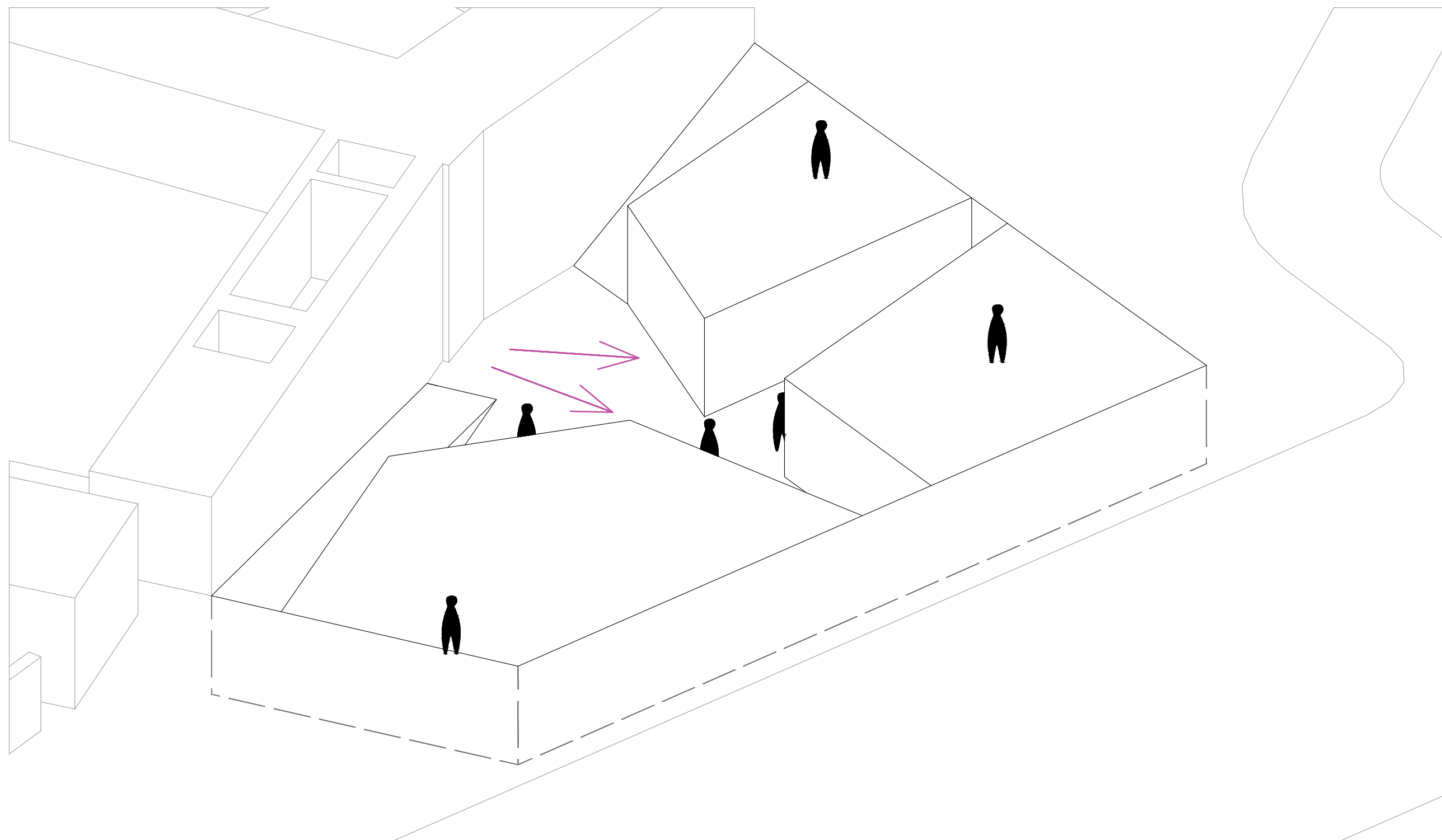
Main Public Spaces Around the Site



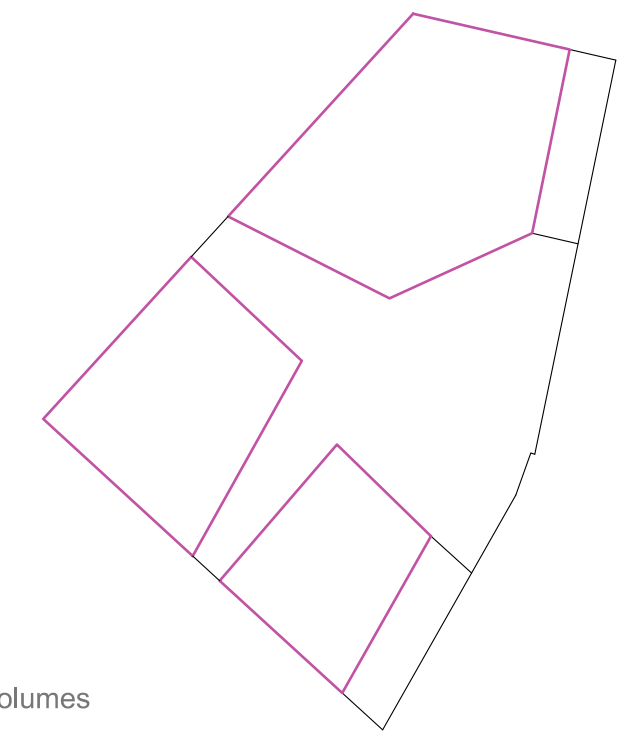
Main Axis



Potential Public Space and Access



Volumes Forming Public Space

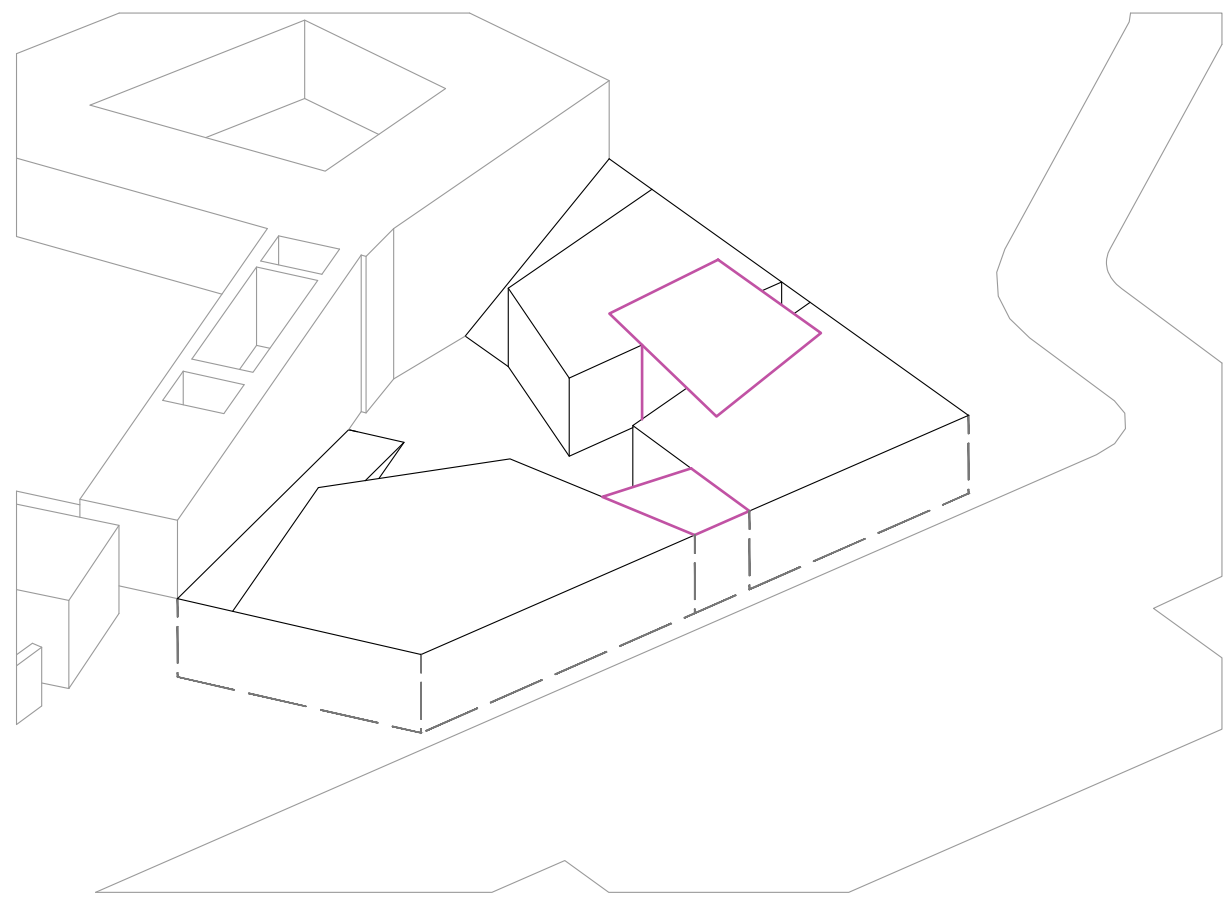


Parti Diagram - Volumes

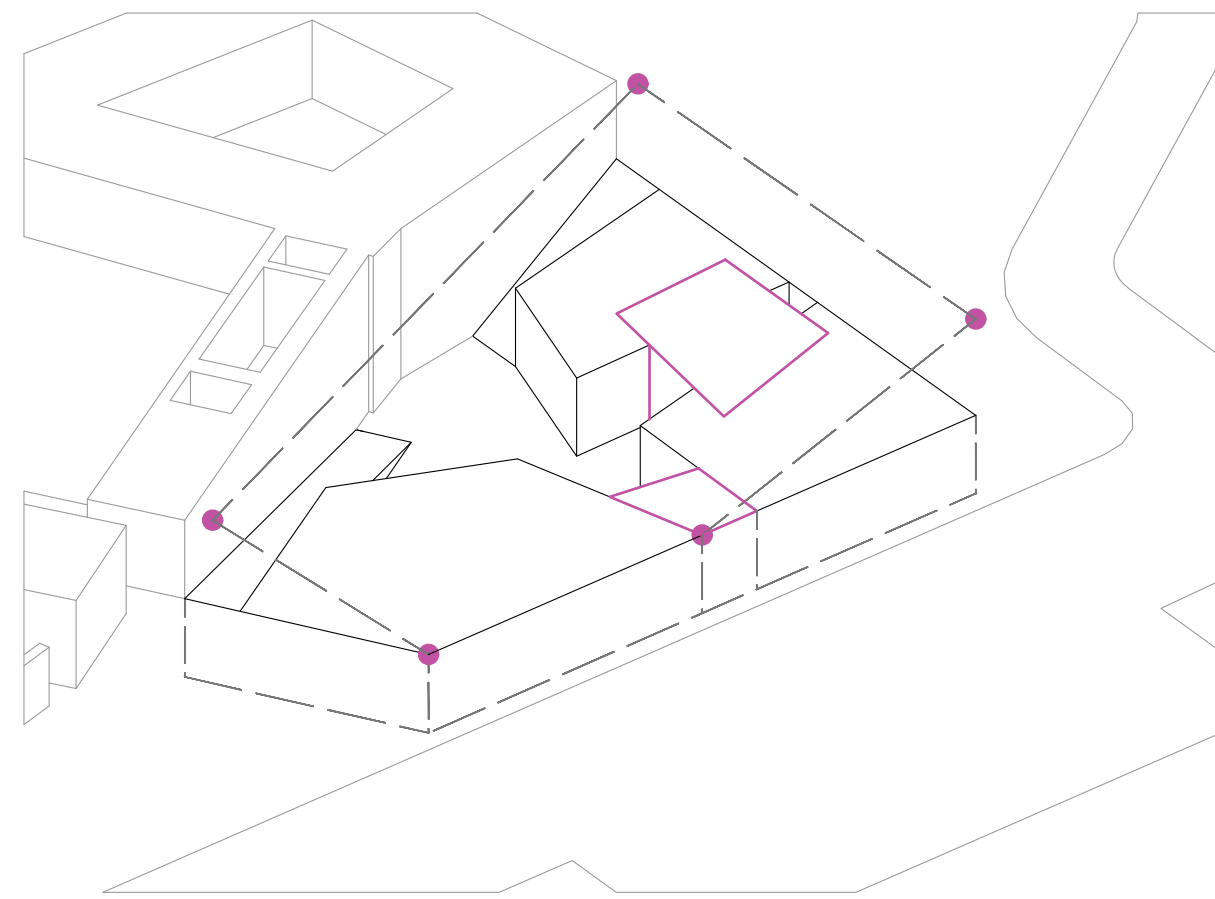


Precedent Study - Piazza Signoria

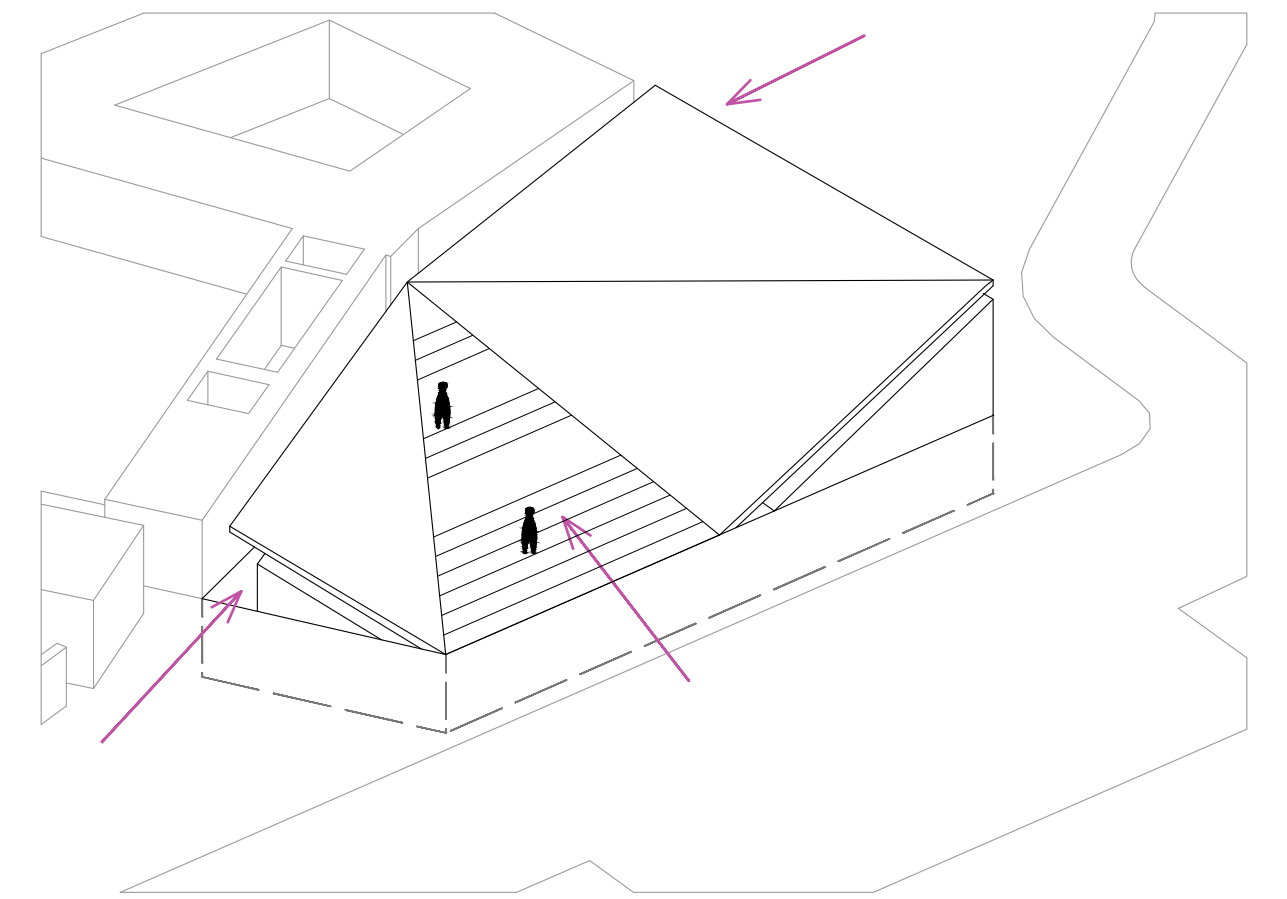
# Design Strategy



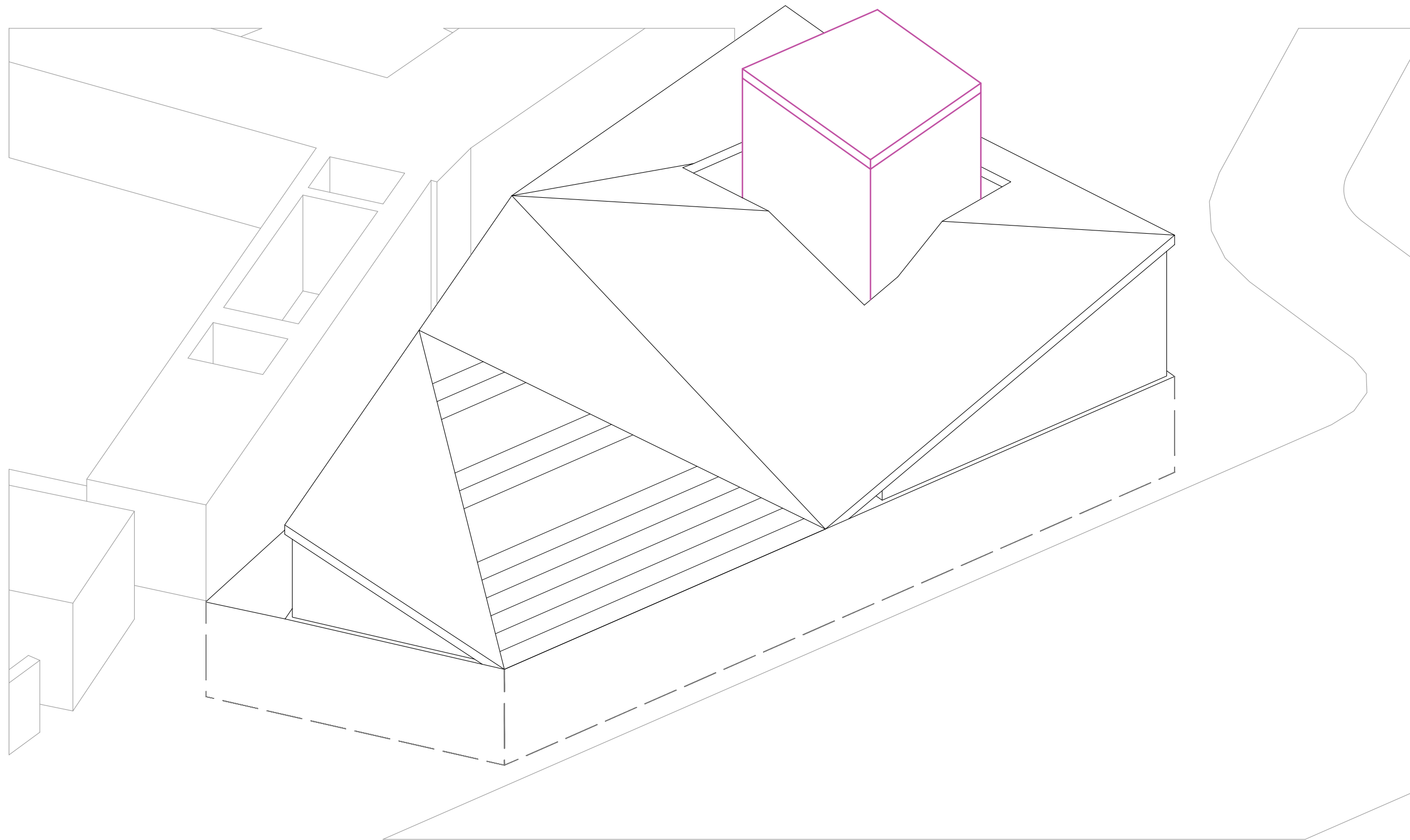
Connecting Volumes



Points of Cover

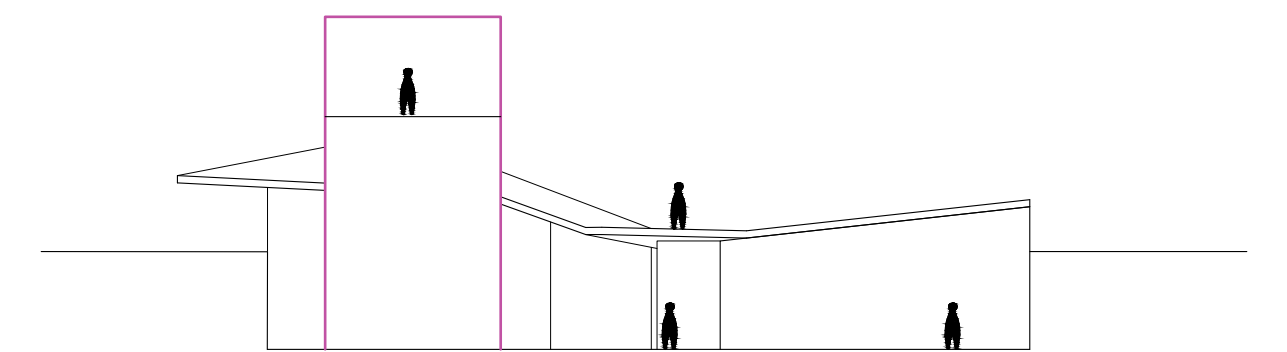


Accessible Shell

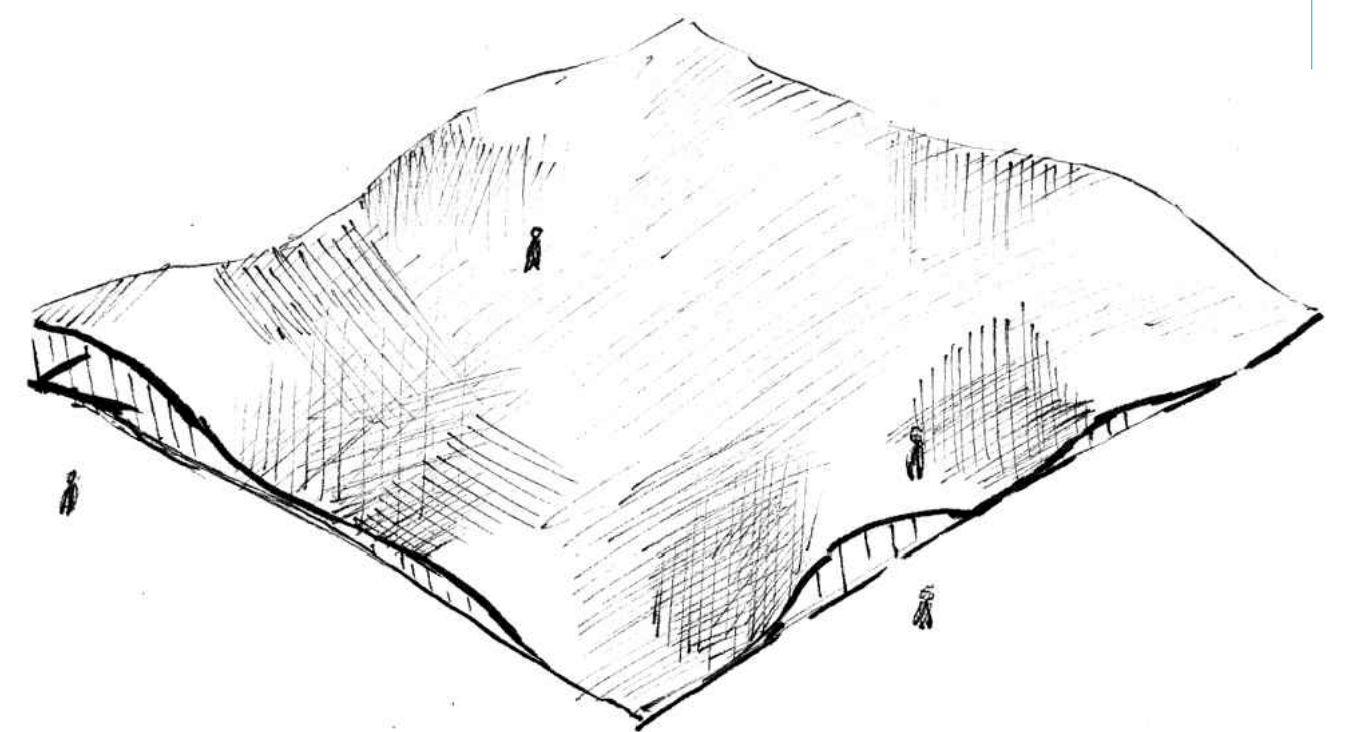


Tower Breaking the Shell

Generative Diagram 1

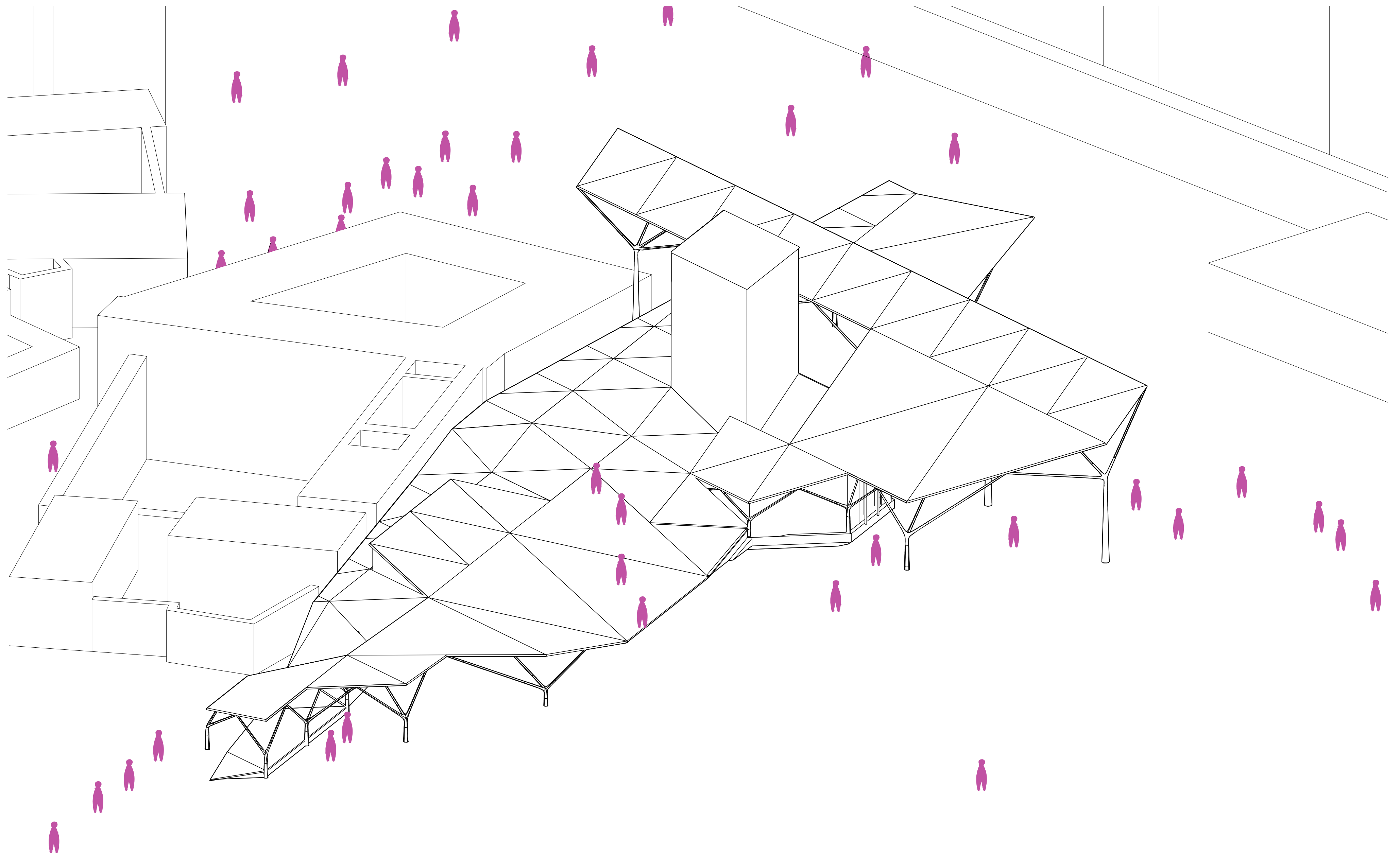


Parti Diagram - Tower-Shell-Volumes Relationship

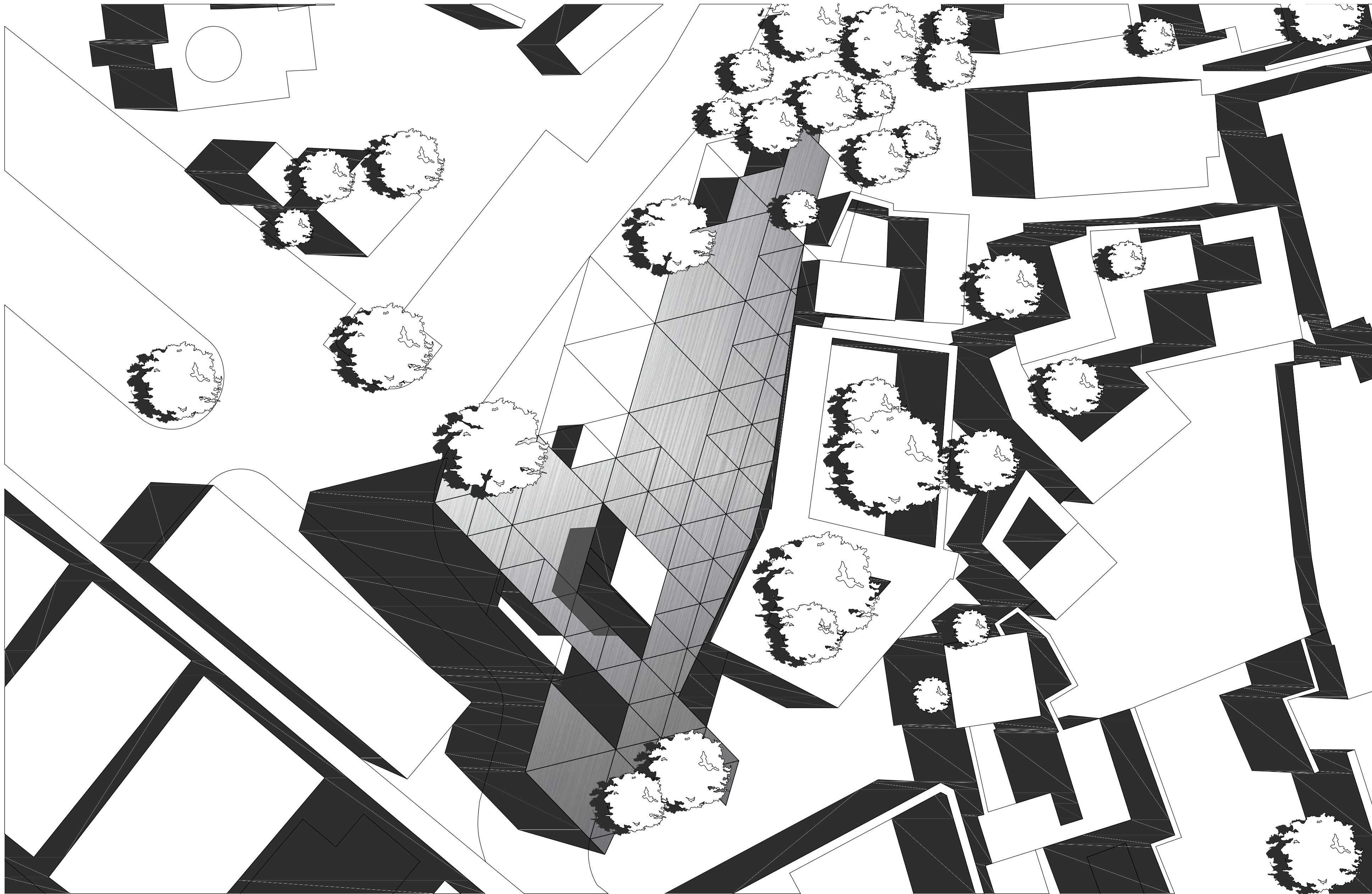


Precedent Study - Saul Kim Architecture Anomaly 194

# Design Strategy

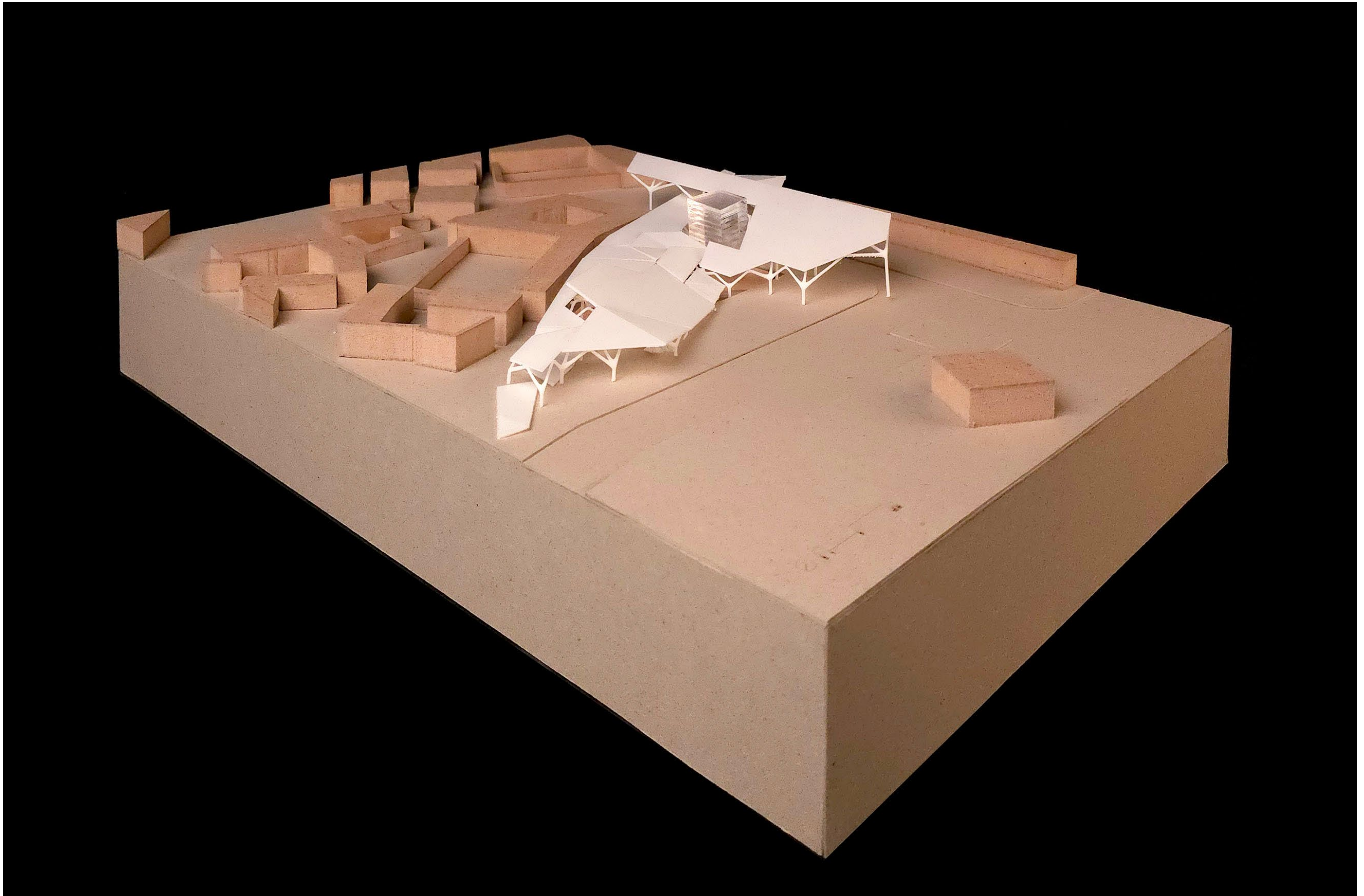


# Design Strategy



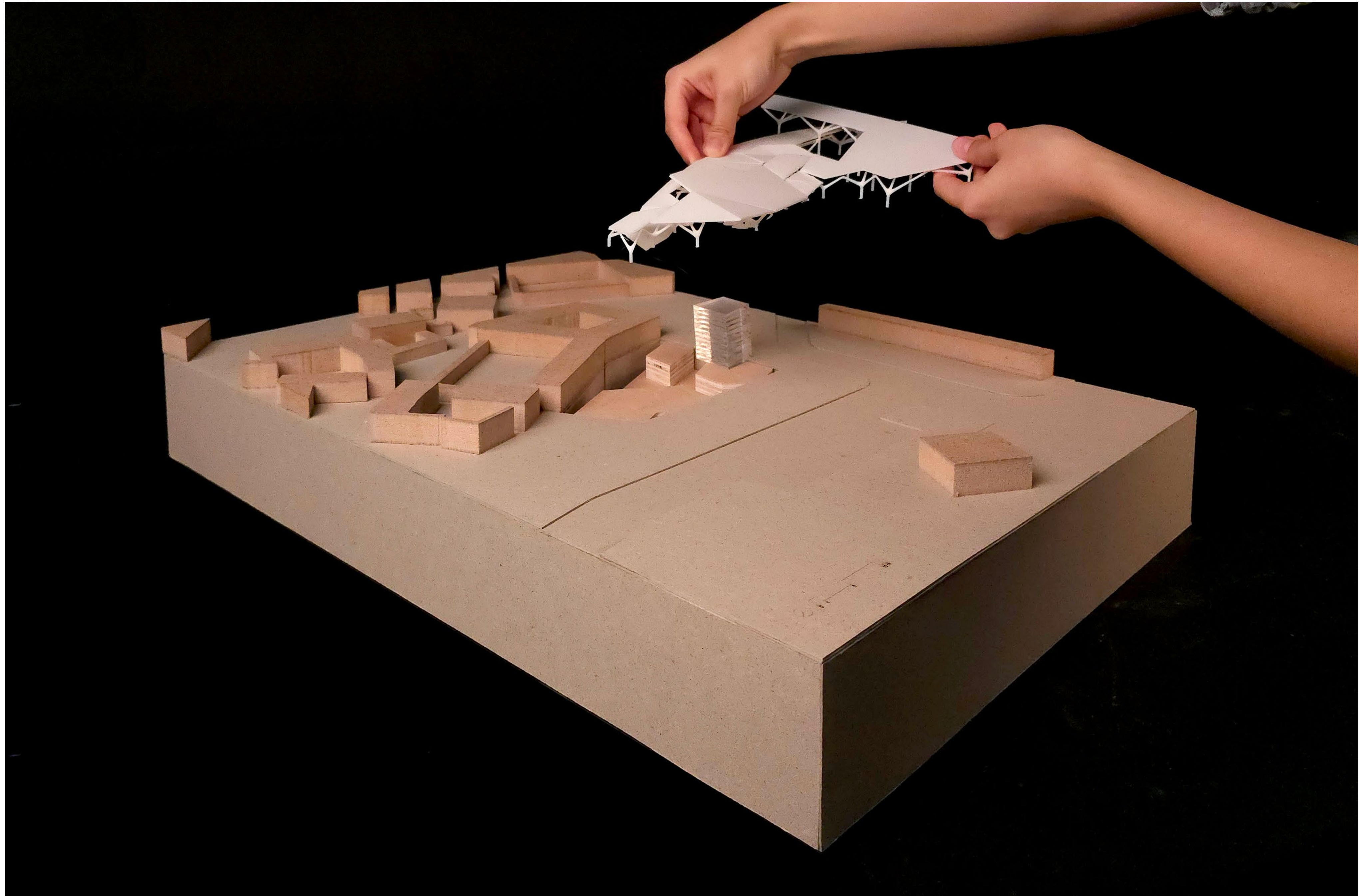
# Site Plan

Site Plan  
Scale: 1:200 @A3  
0 5 10 20M



# Project in the context

Massing Model



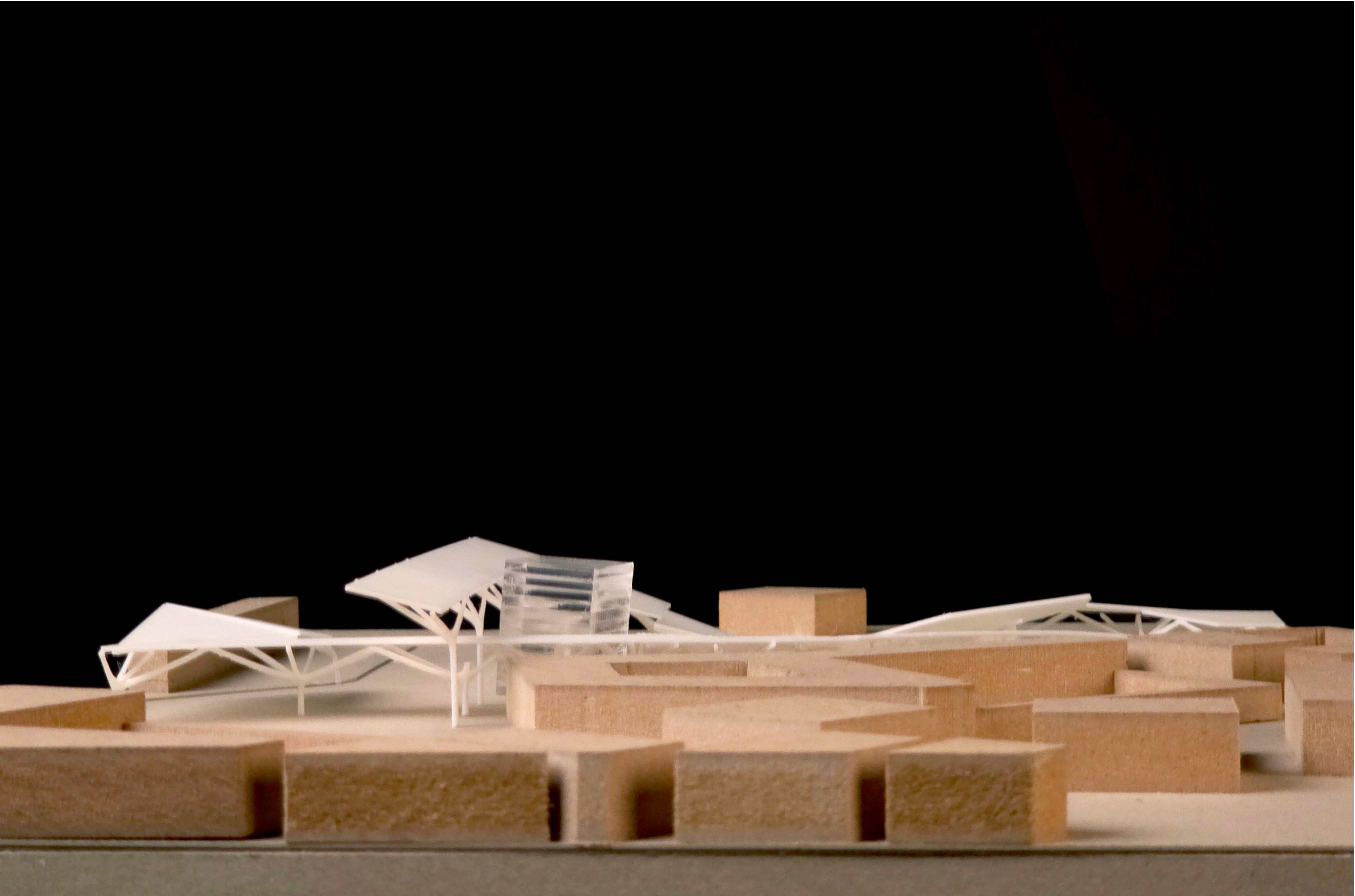
# Project in the context

Massing Model



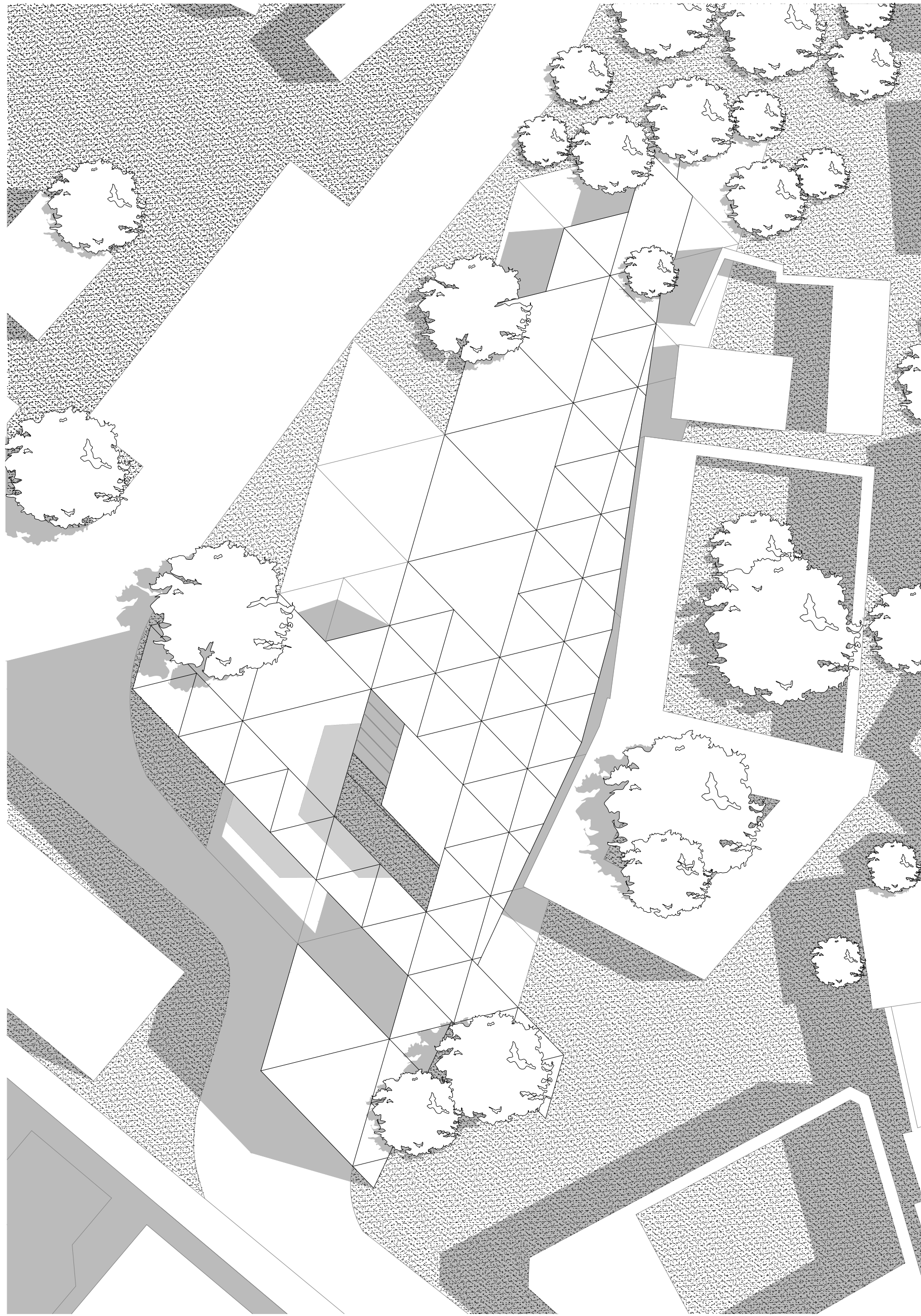
## Elevations

Massing Model



# Elevation

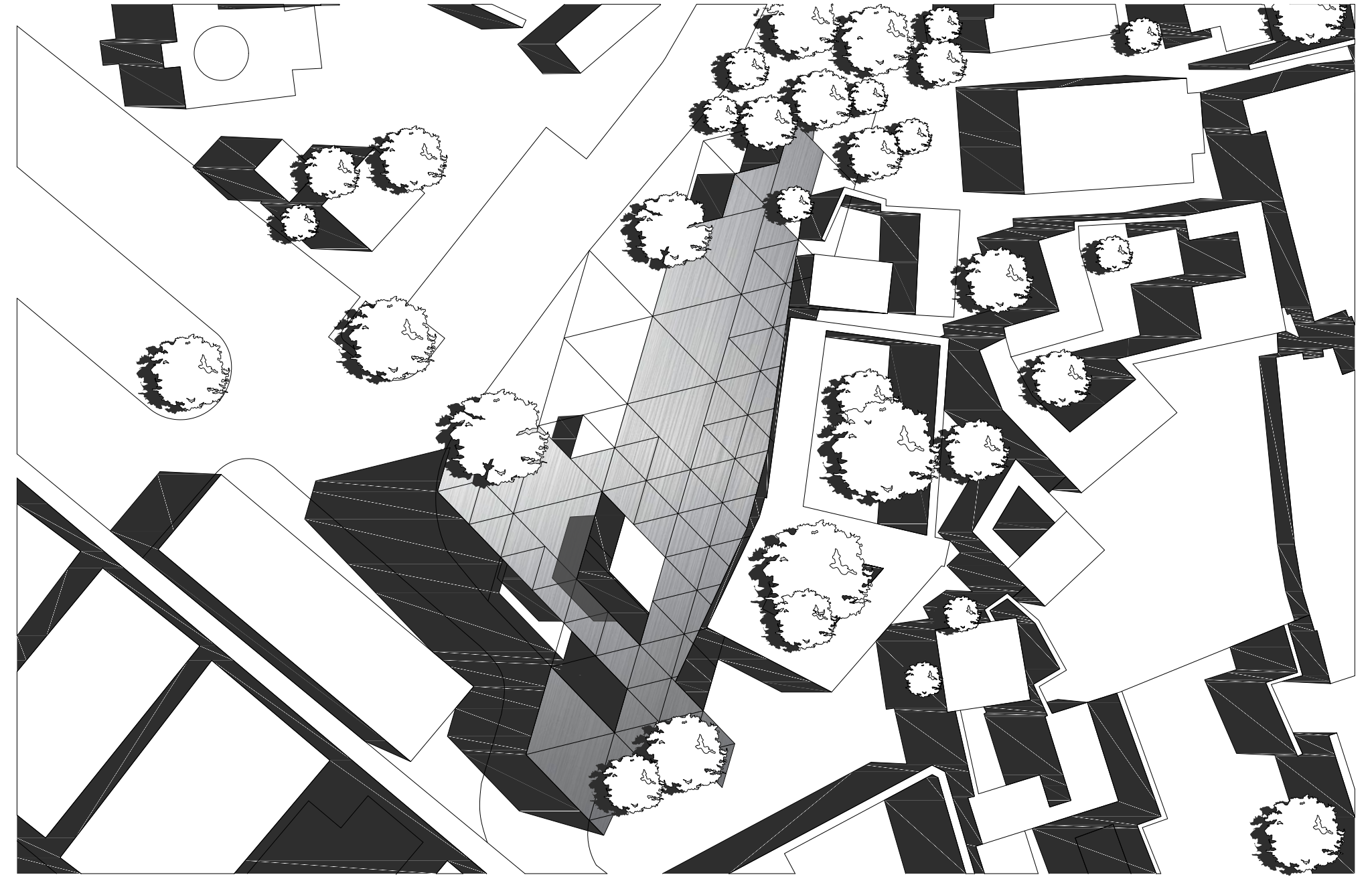
Massing Model



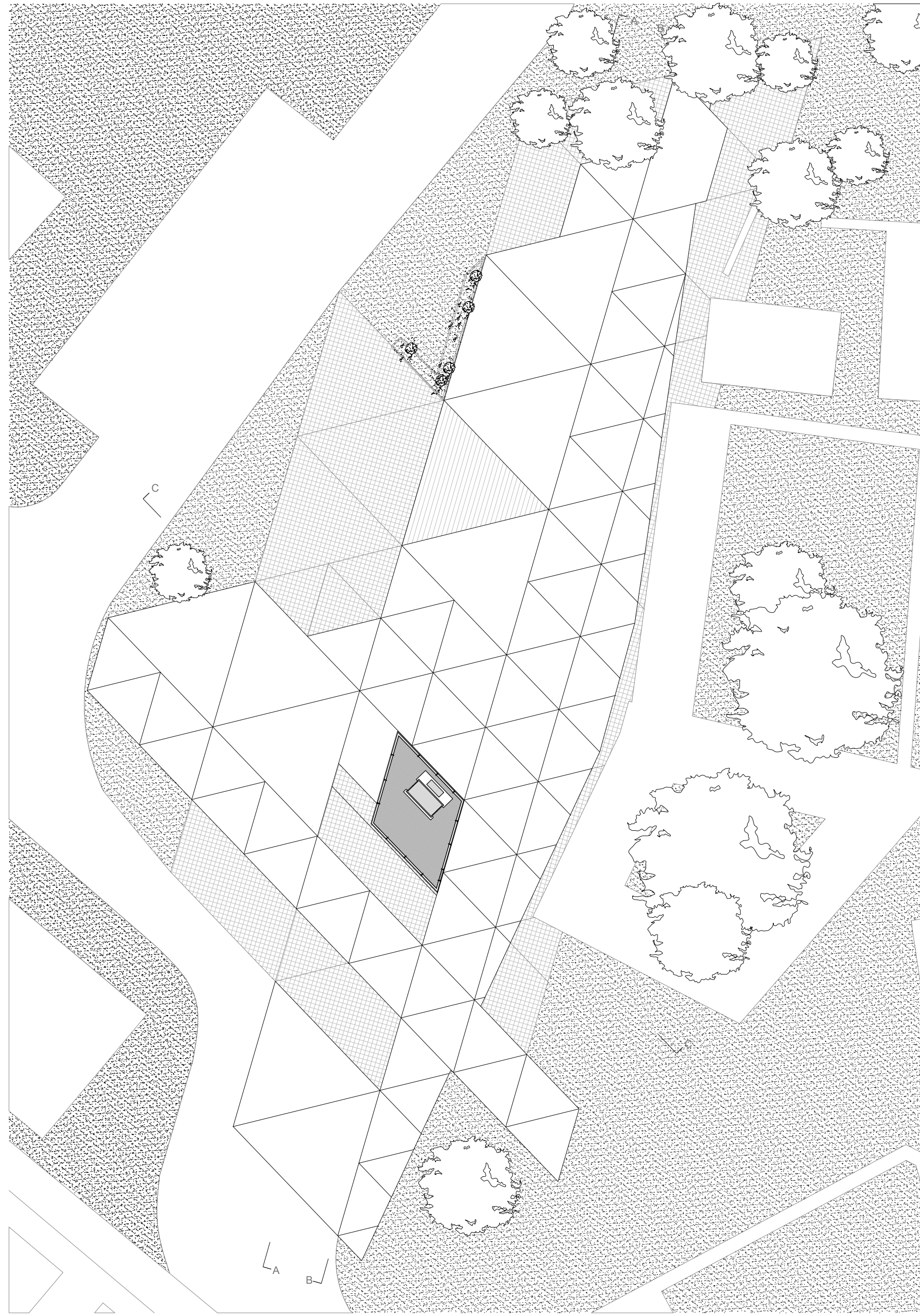
Roof Plan (+12M)  
Scale: 1:200 (8m)

## Plan +12m

The design bleeds into the context, creating seamless transition



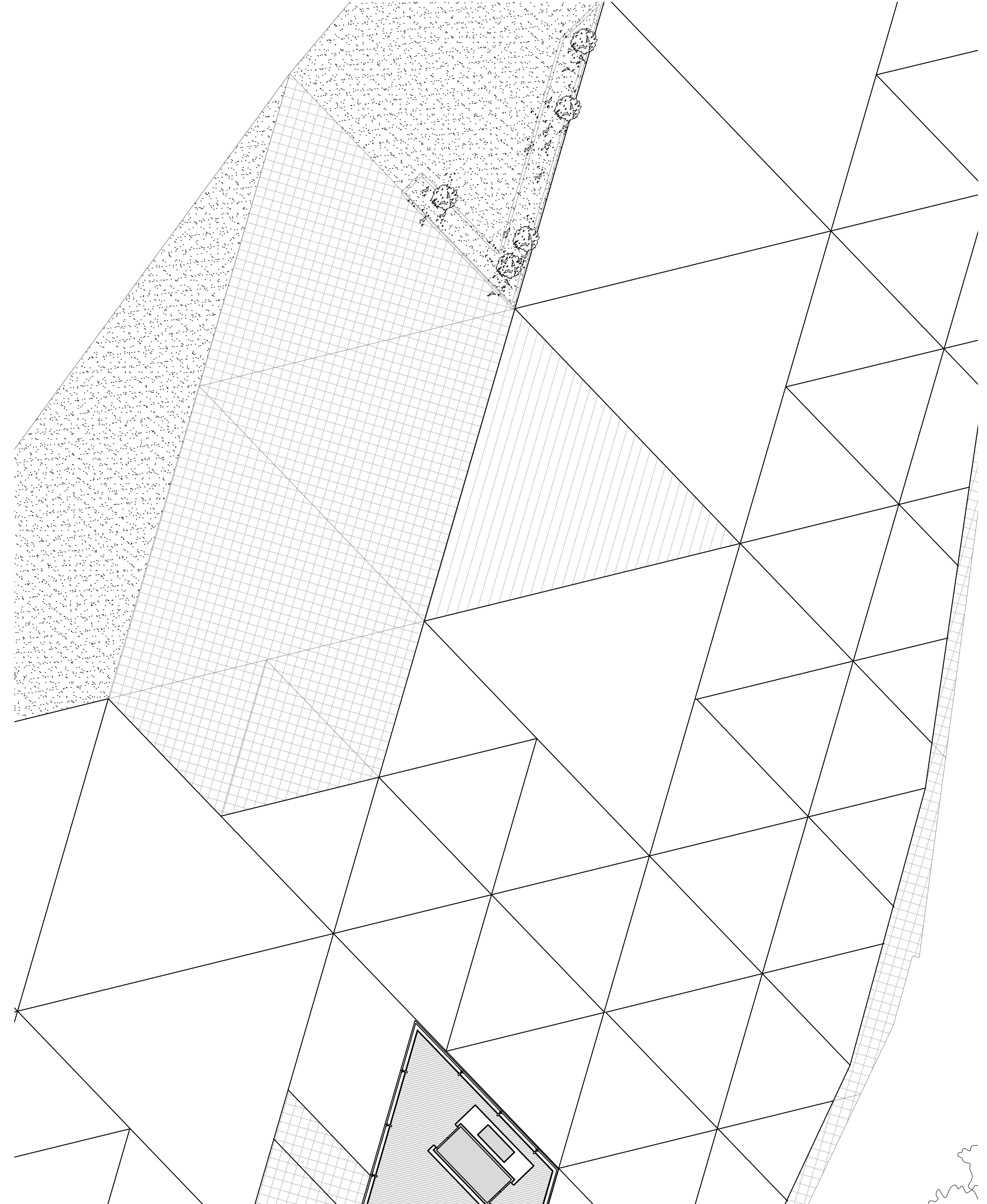
Site Plan  
Scale: 1:200 (8m)

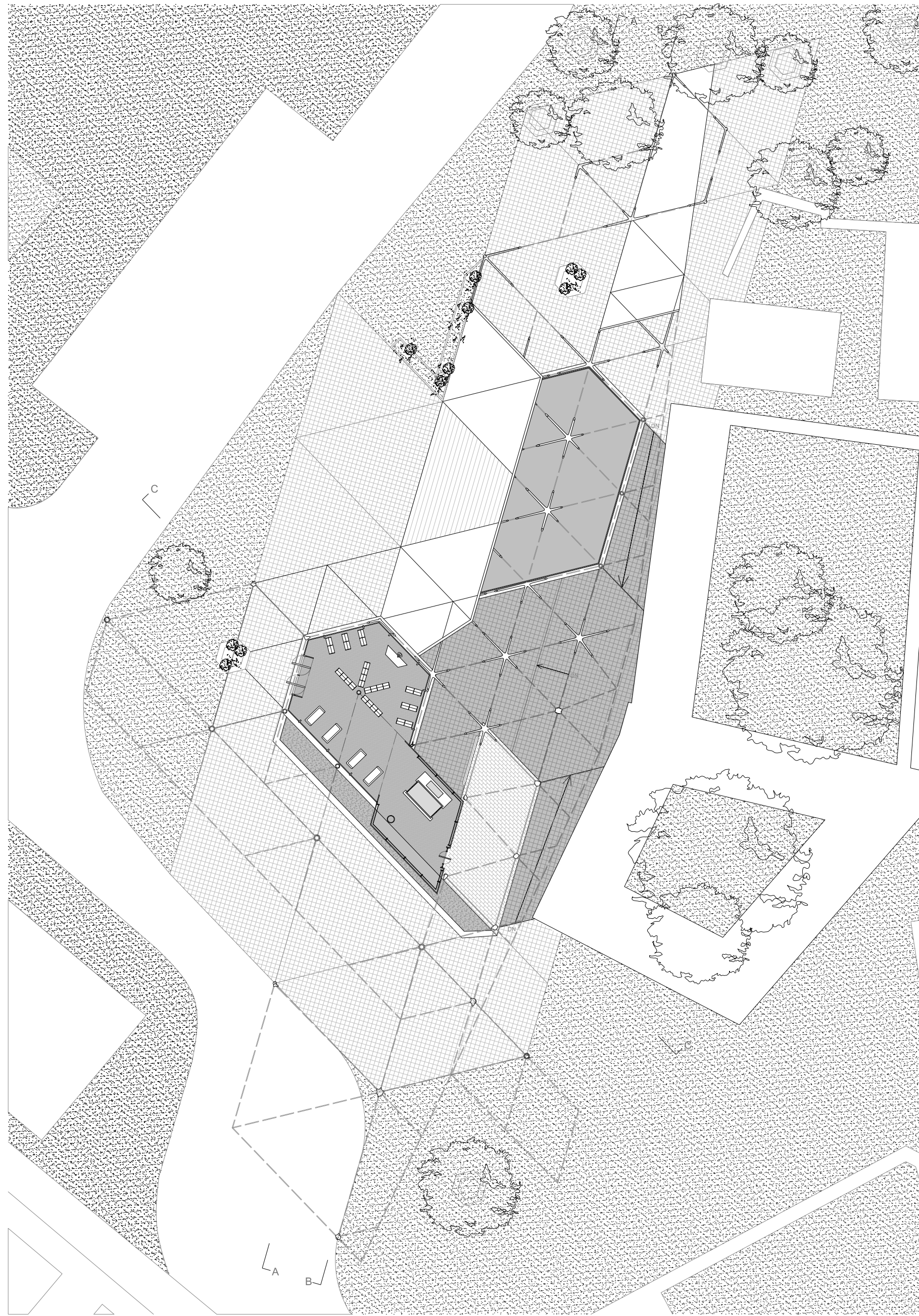


Above Ground Level Plan (+6M)  
Scale: 1:1000

# Plan +6m

The Tower rises higher up than both the rest of the project and vernacular architecture

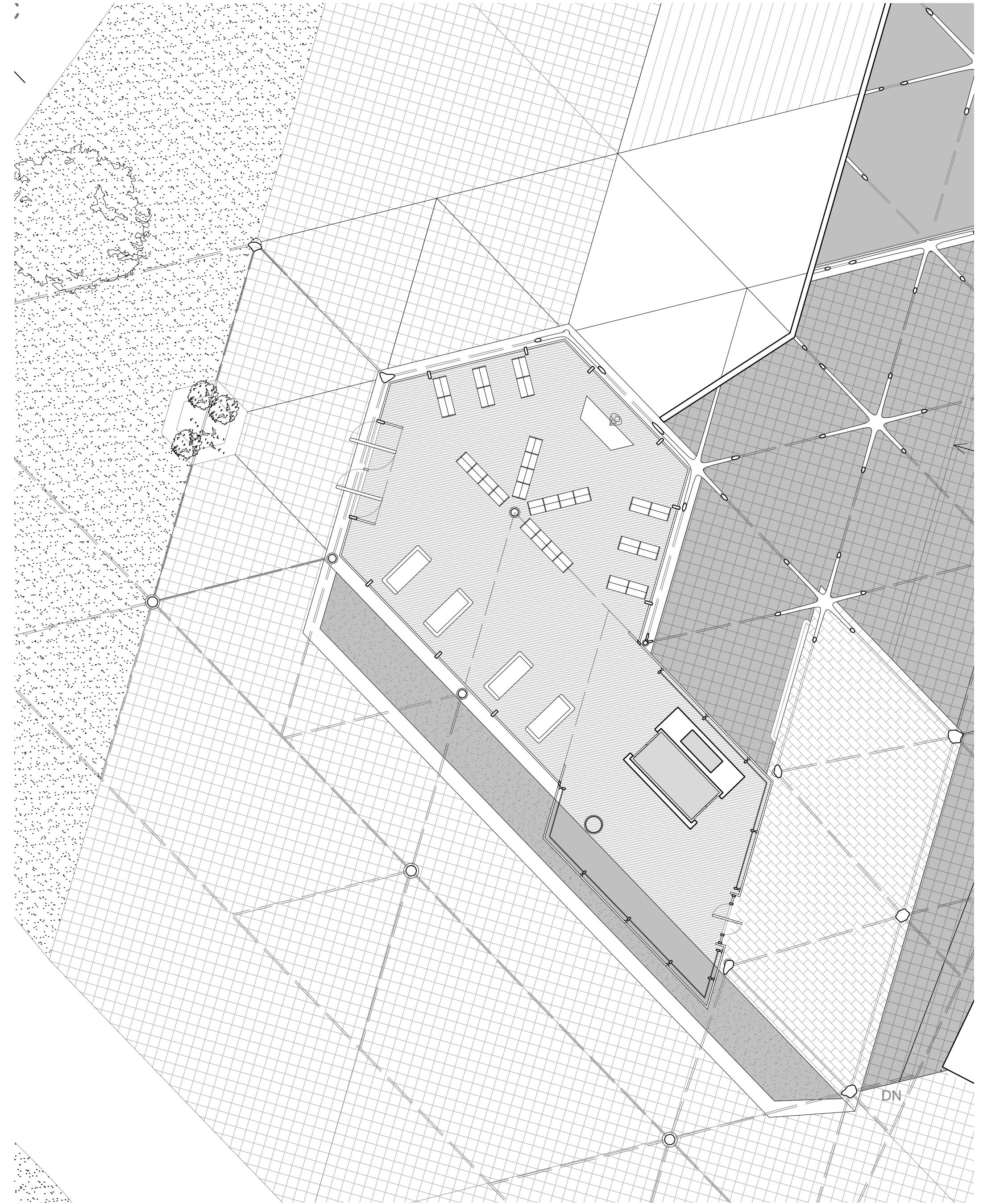


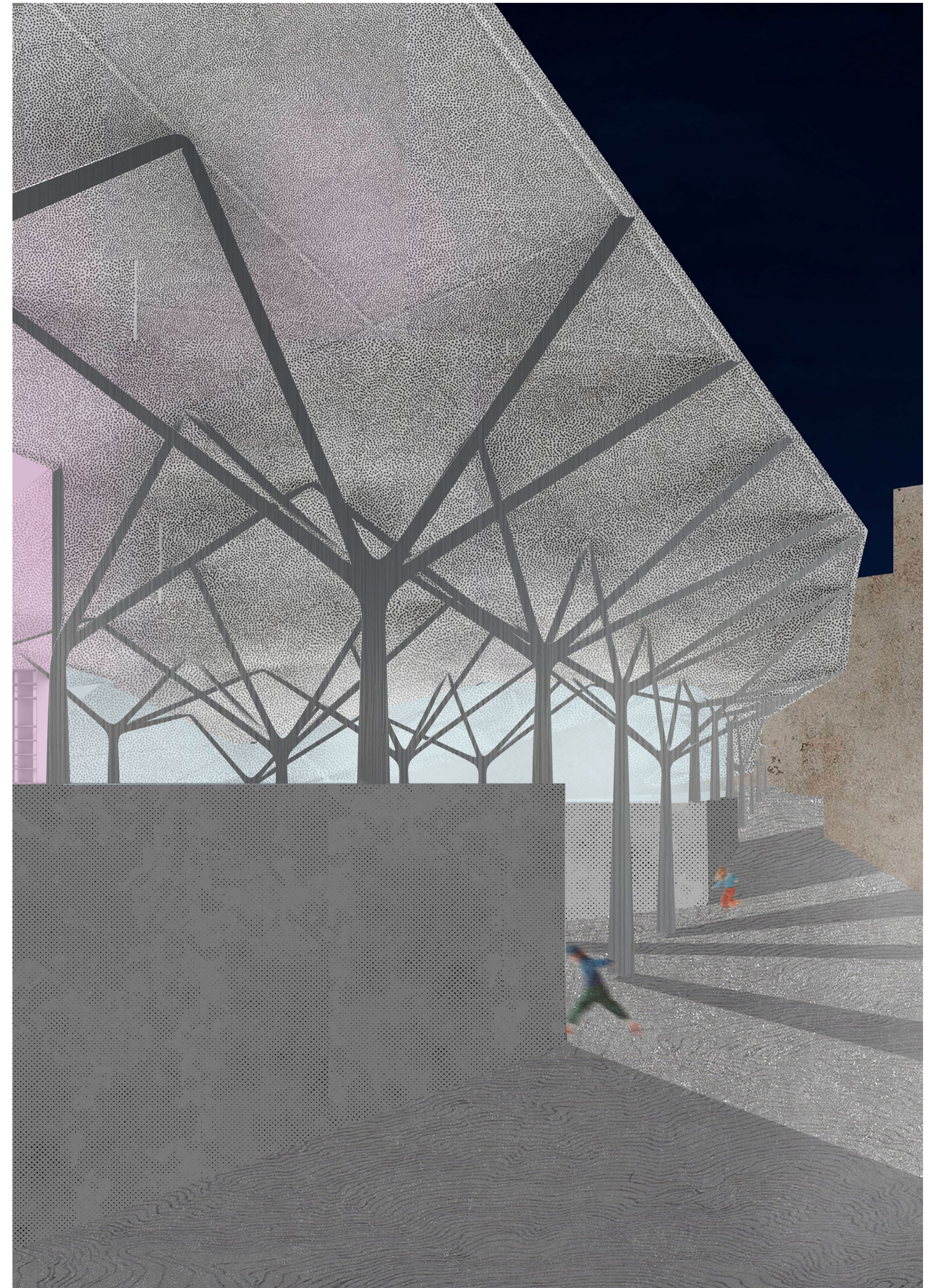
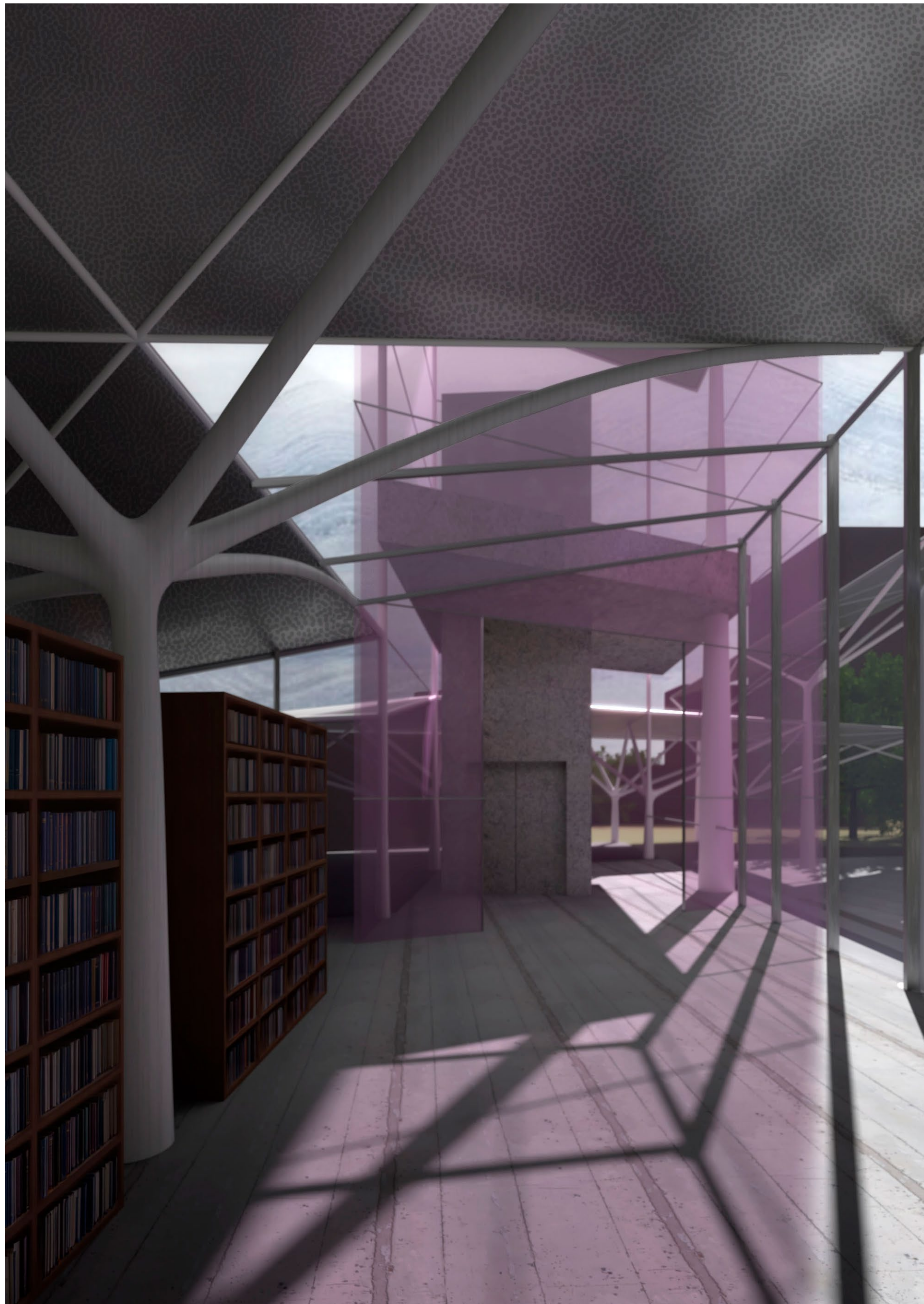


Ground Level Plan (+2M)  
Scale: 1:100

# Plan +2m

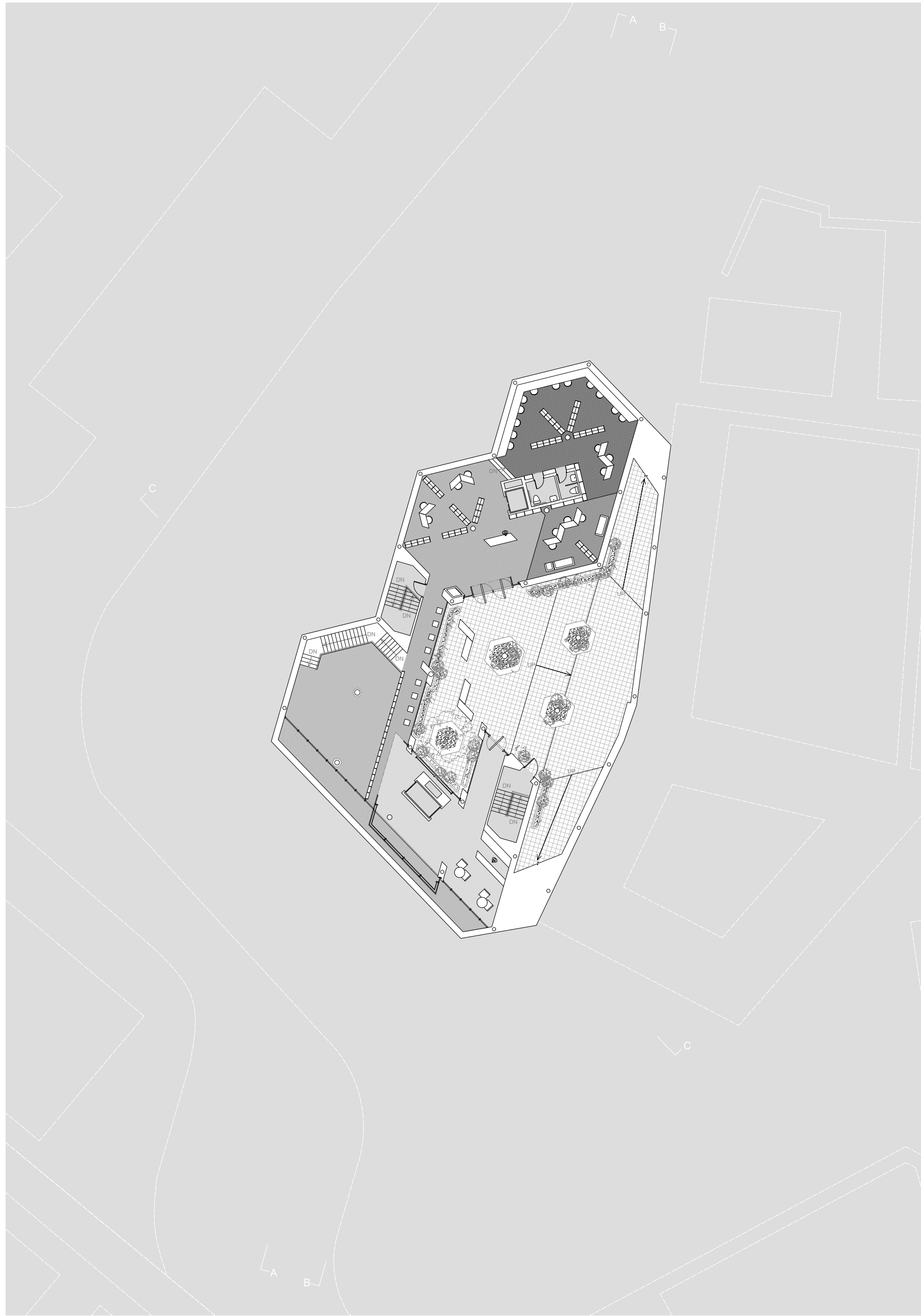
Ground level contains a book store, while the slopes lead to the first underground level





## Renderings

From Left to Right:  
1. Inside of the Bookstore  
2. Coming down the slope  
towards the Main Entrance

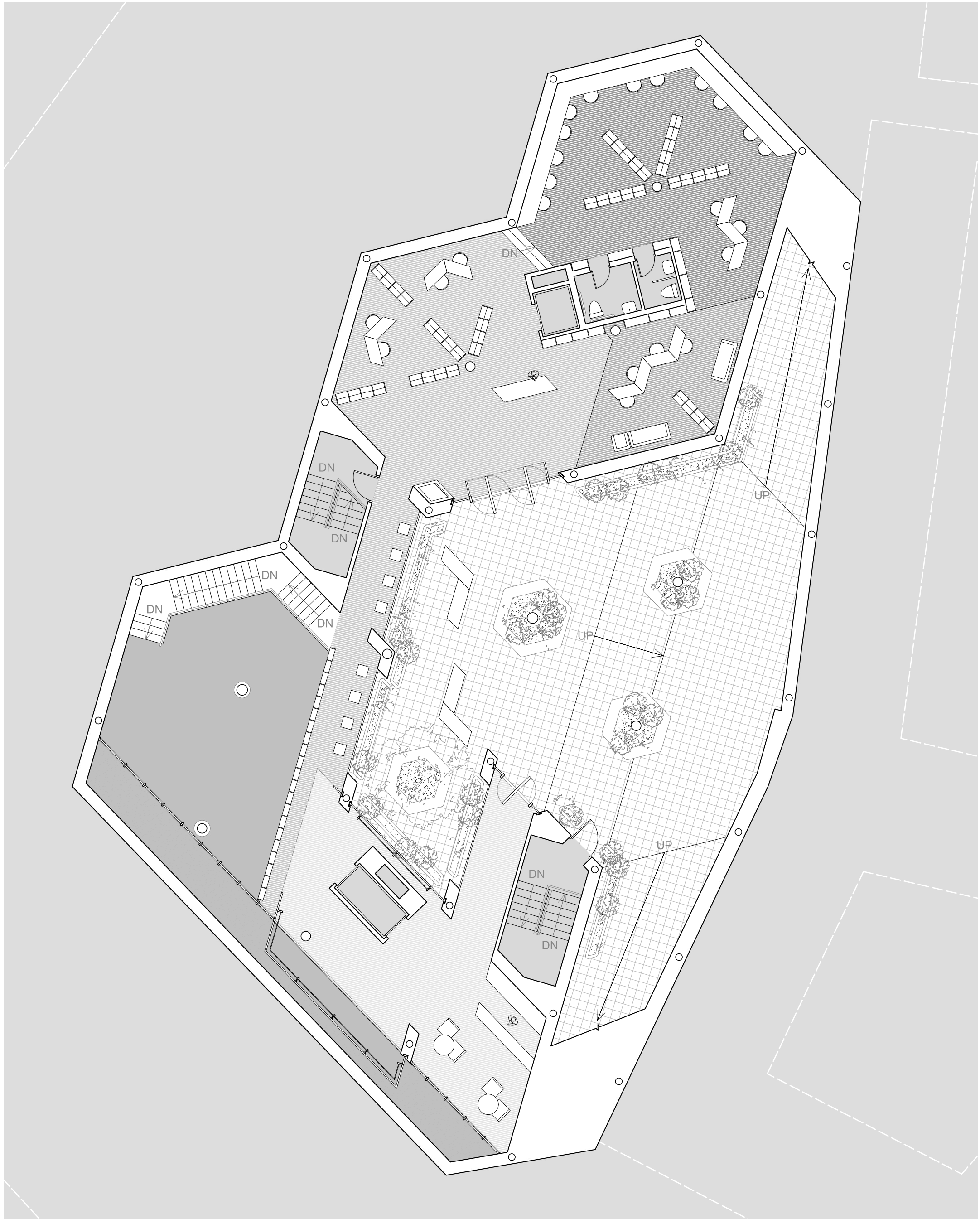


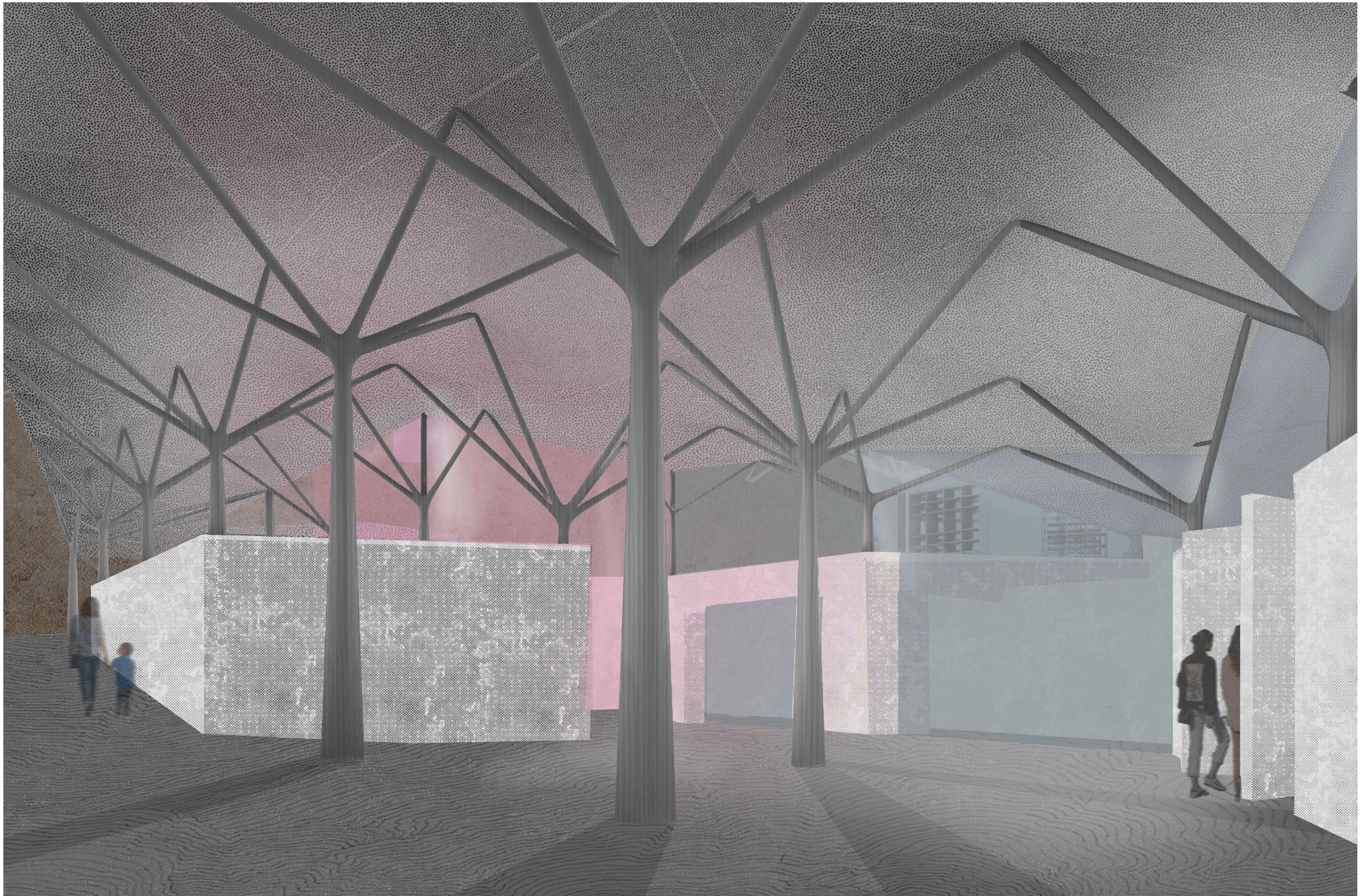
Underground Level Plan (-2M)  
Scale: 1:125 (A2)

Amina Nursaitova | ARC301 | Prof. Saad Boujane

# Plan -2m

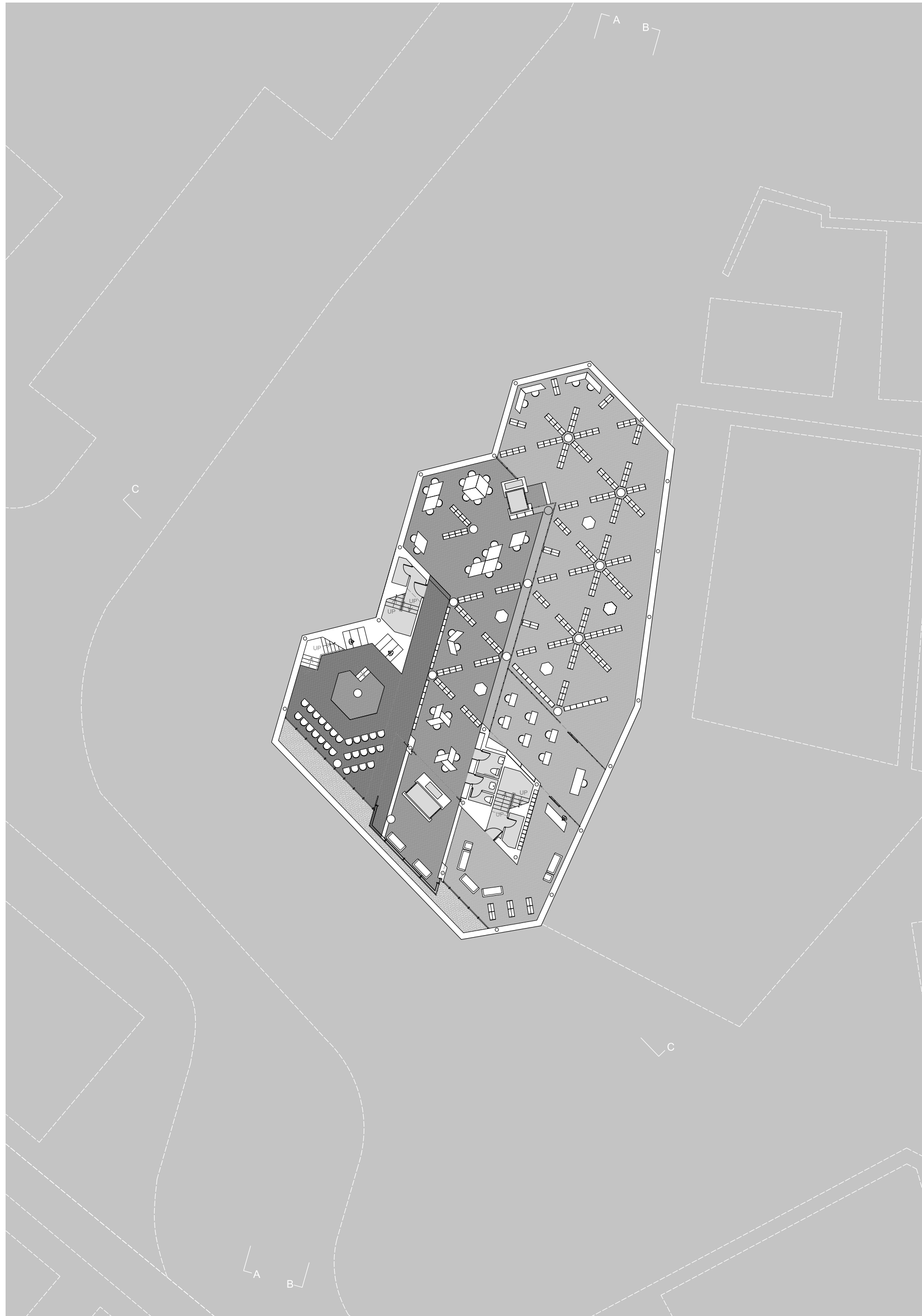
Public Space in front of the Main Entrance





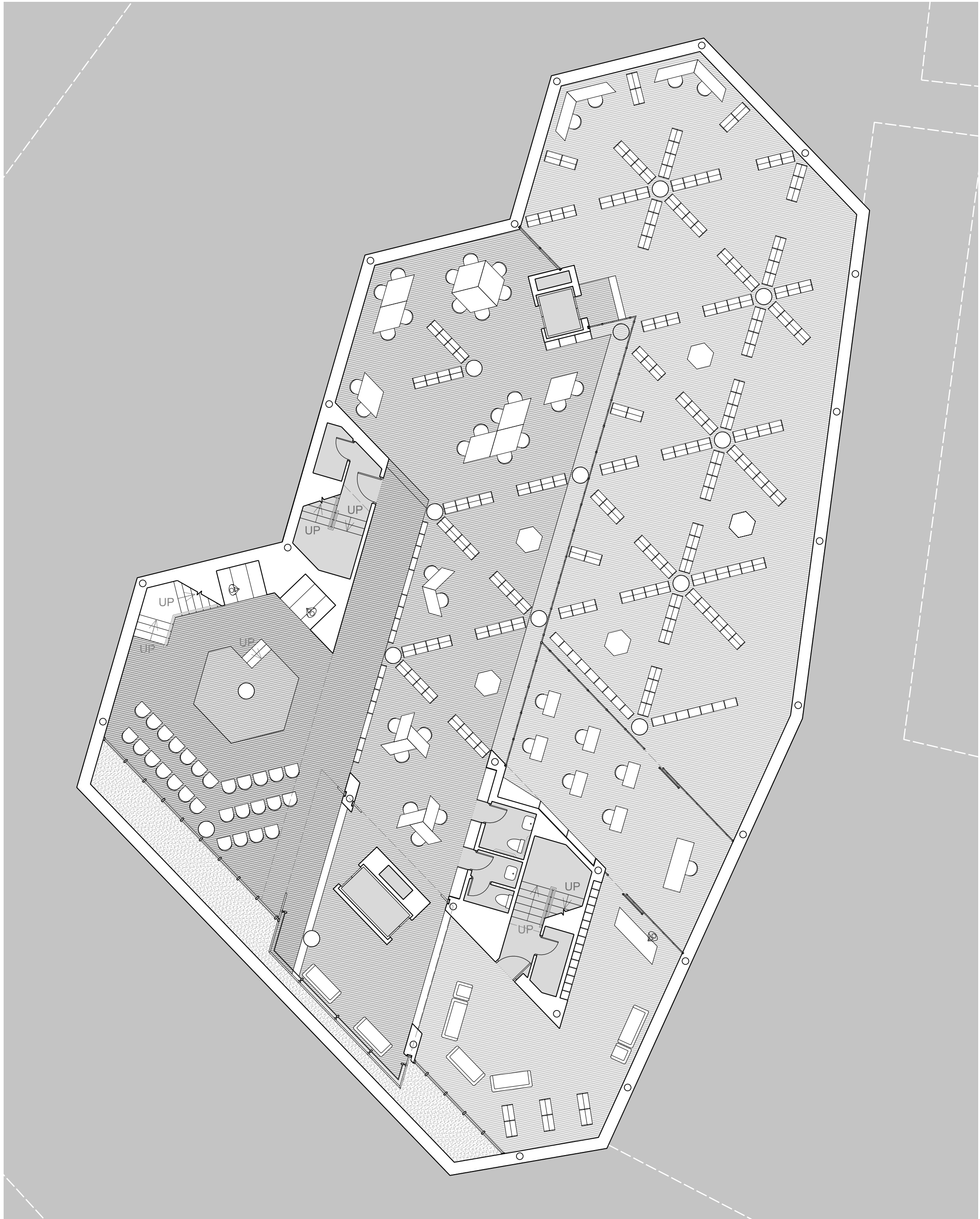
# Rendering

Public Space in front of the Main Entrance



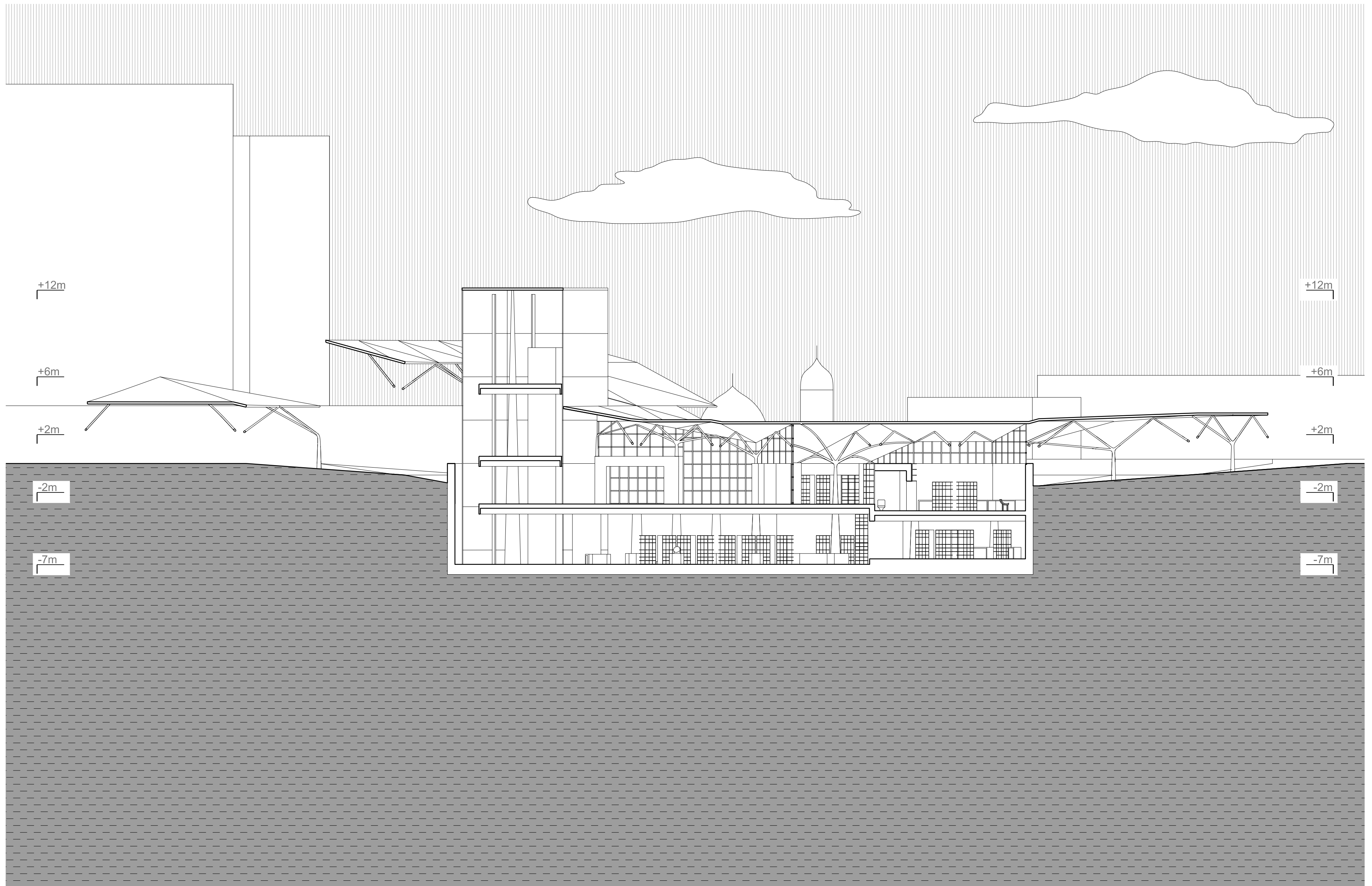
Basement Floor Plan (-7M)  
Scale: 1:125 @A2

Amina Nursaitova | ARC301 | Prof. Saad Boujane



# Plan -7m

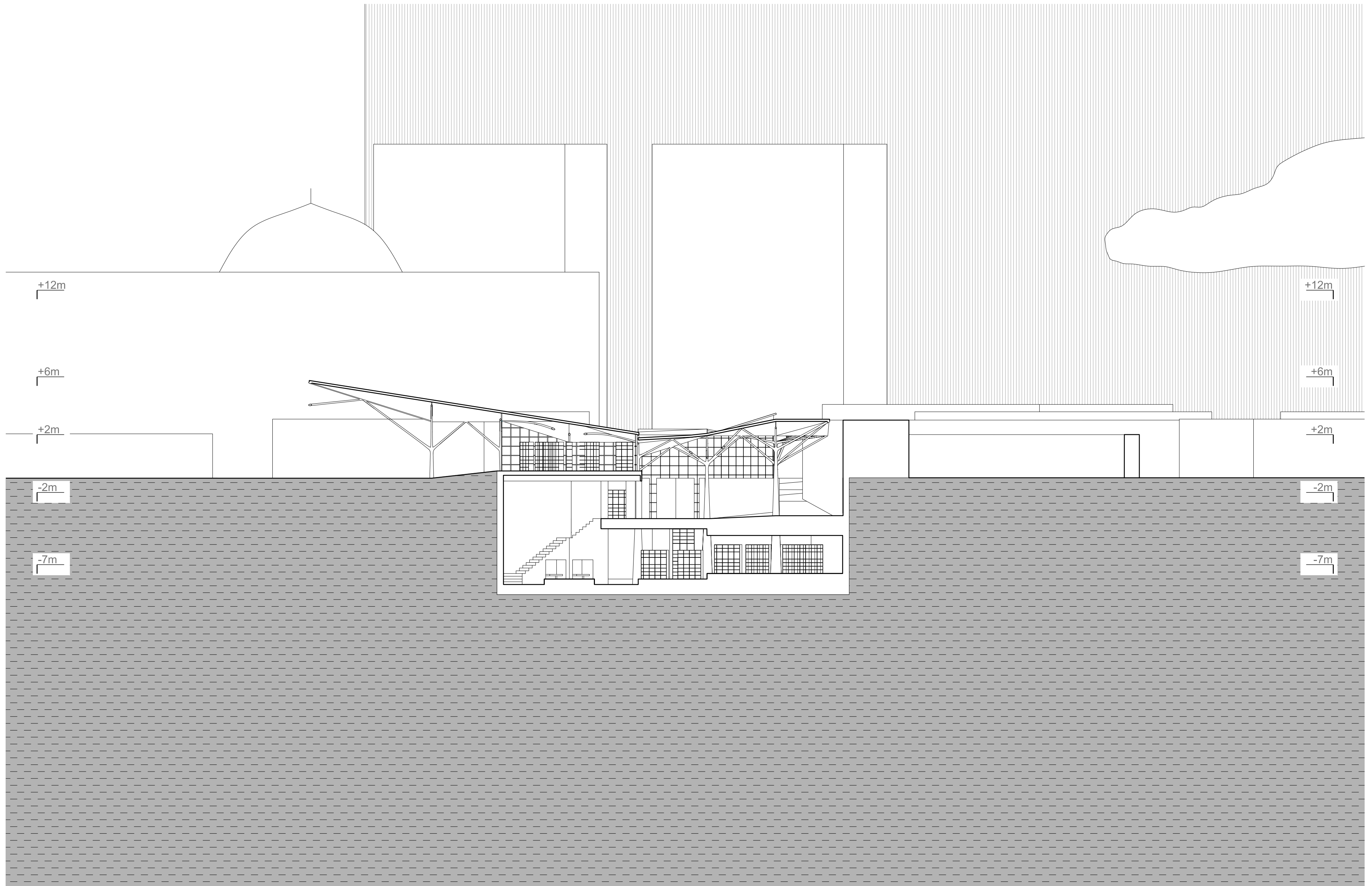
Terraced zones



# Section B-B

Sectional Variation: Tower stands out from the rest of the project

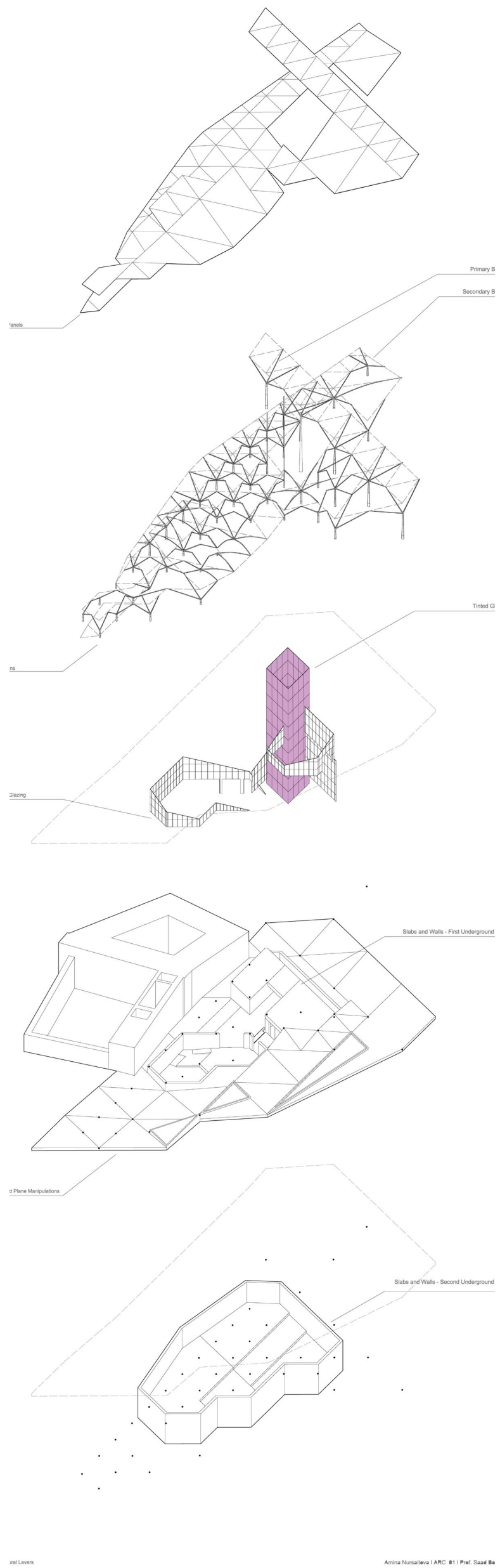
Section B-B  
Scale: 1:175 @A2  
0 1 2 5 10M



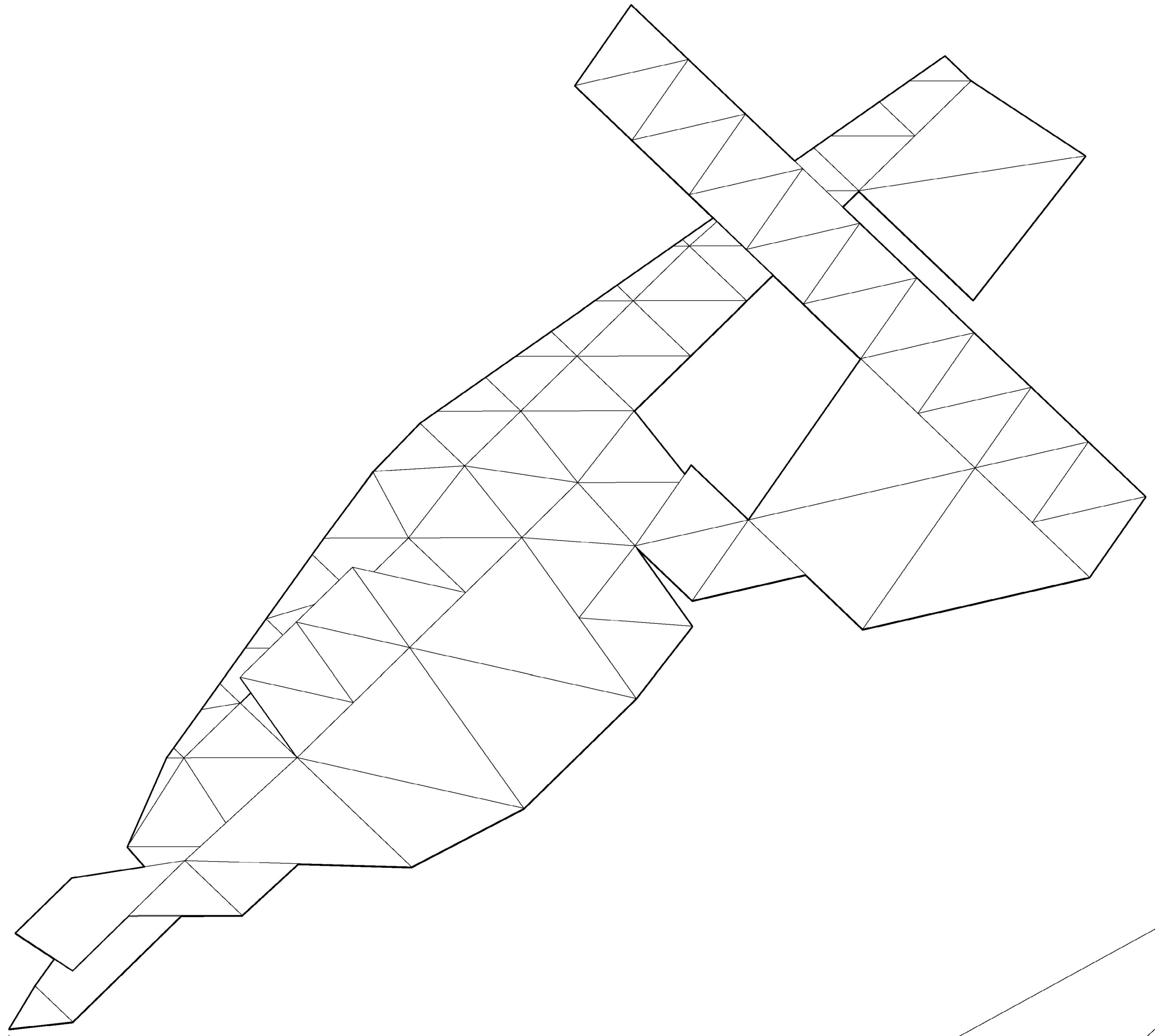
## Section C-C

The relationship with the site context

Section C-C  
Scale: 1:175 @A2  
0 1 2 5 10M

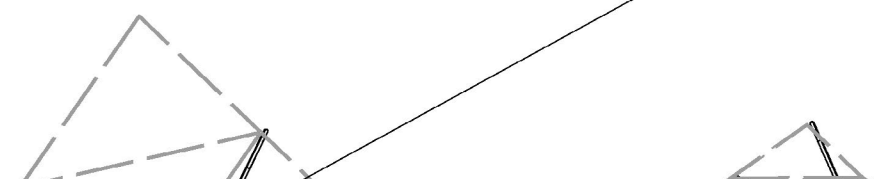


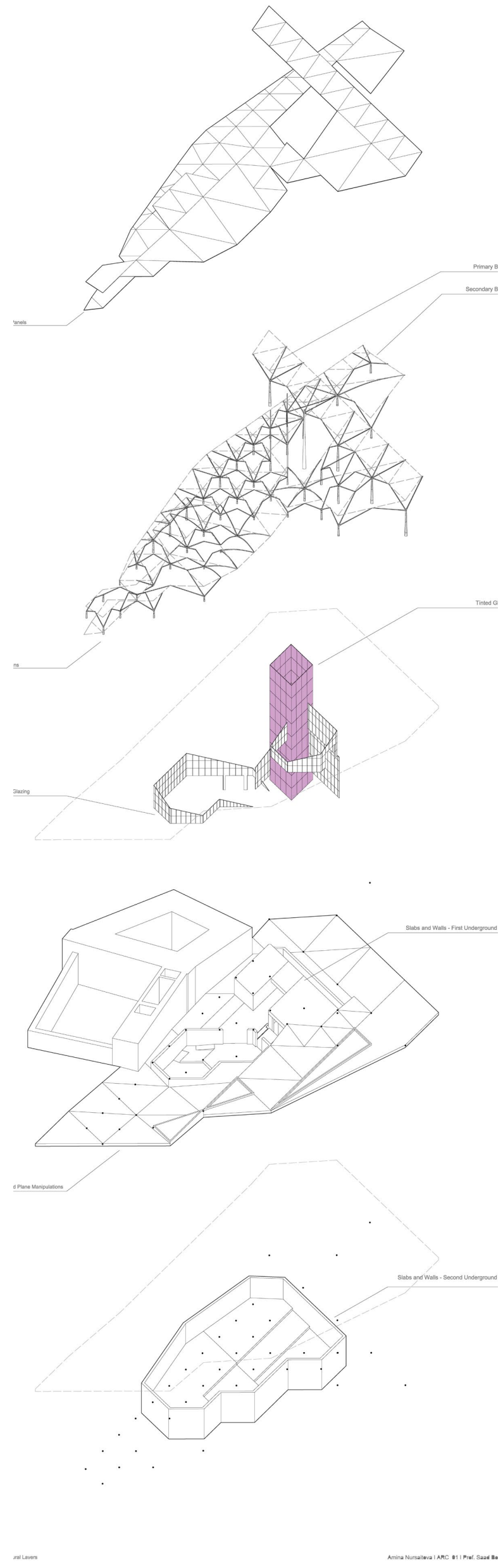
Roof Panels



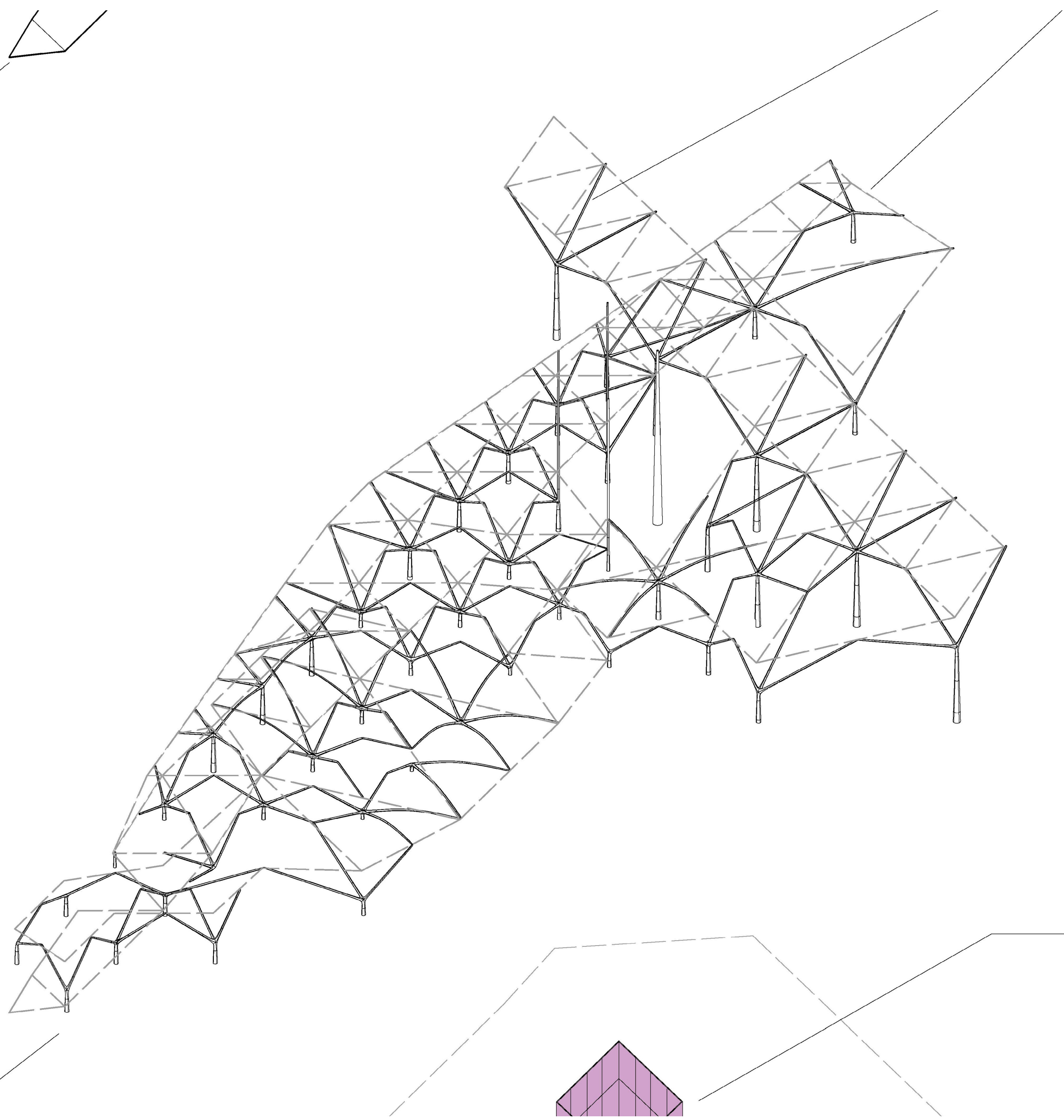
Primary Beams

Secondary Beams



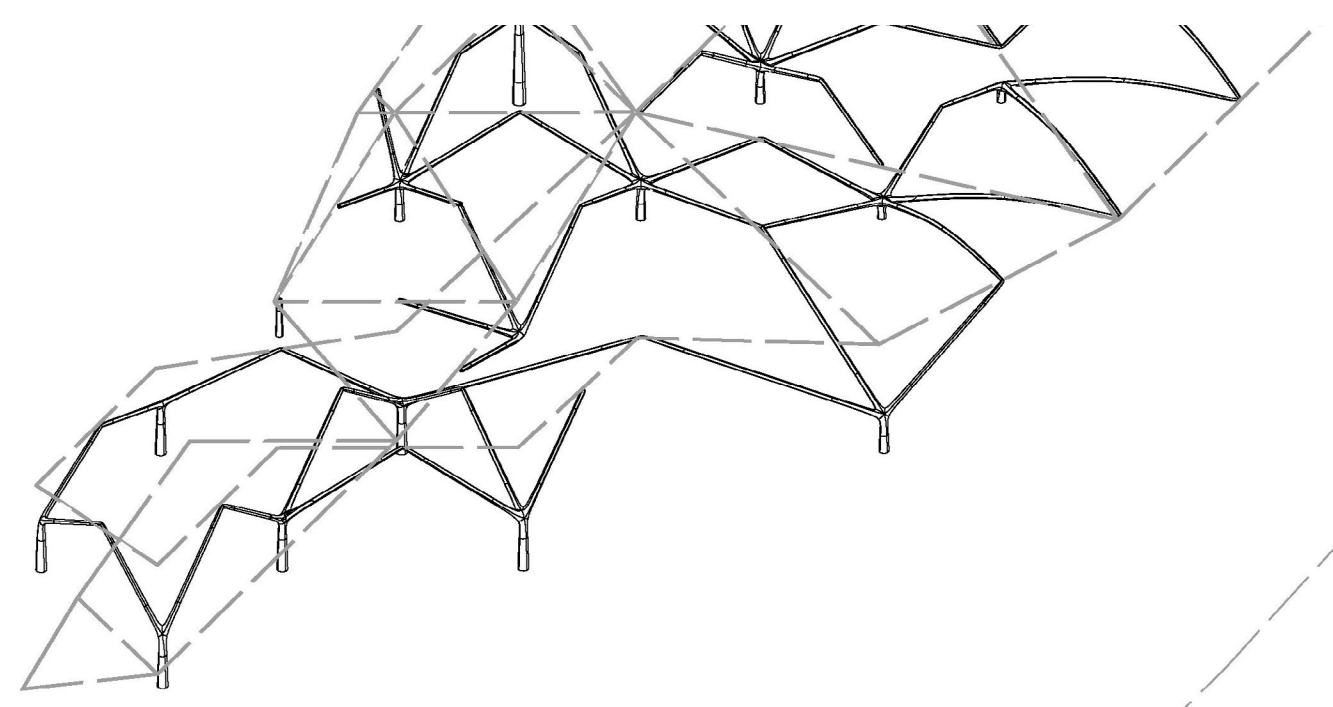
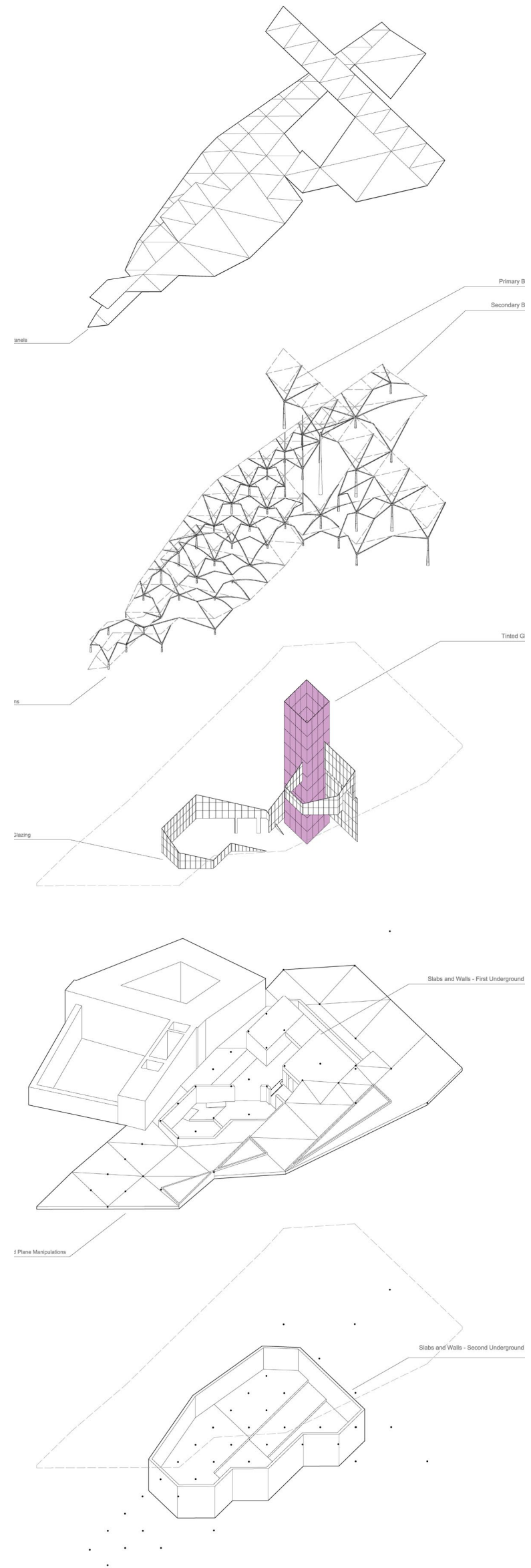


Roof Panels



Columns

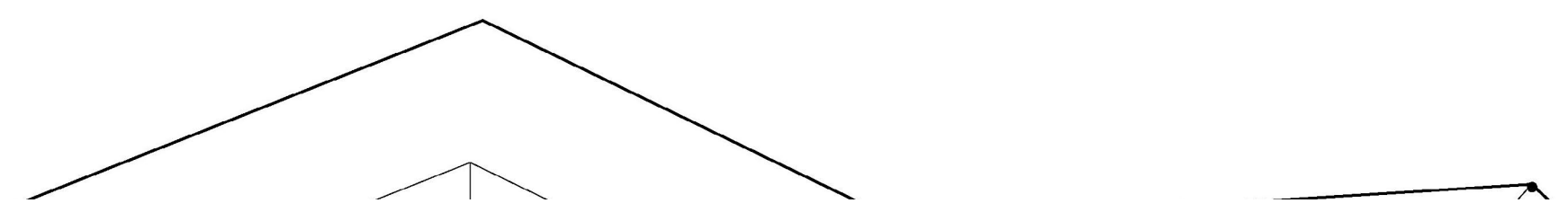
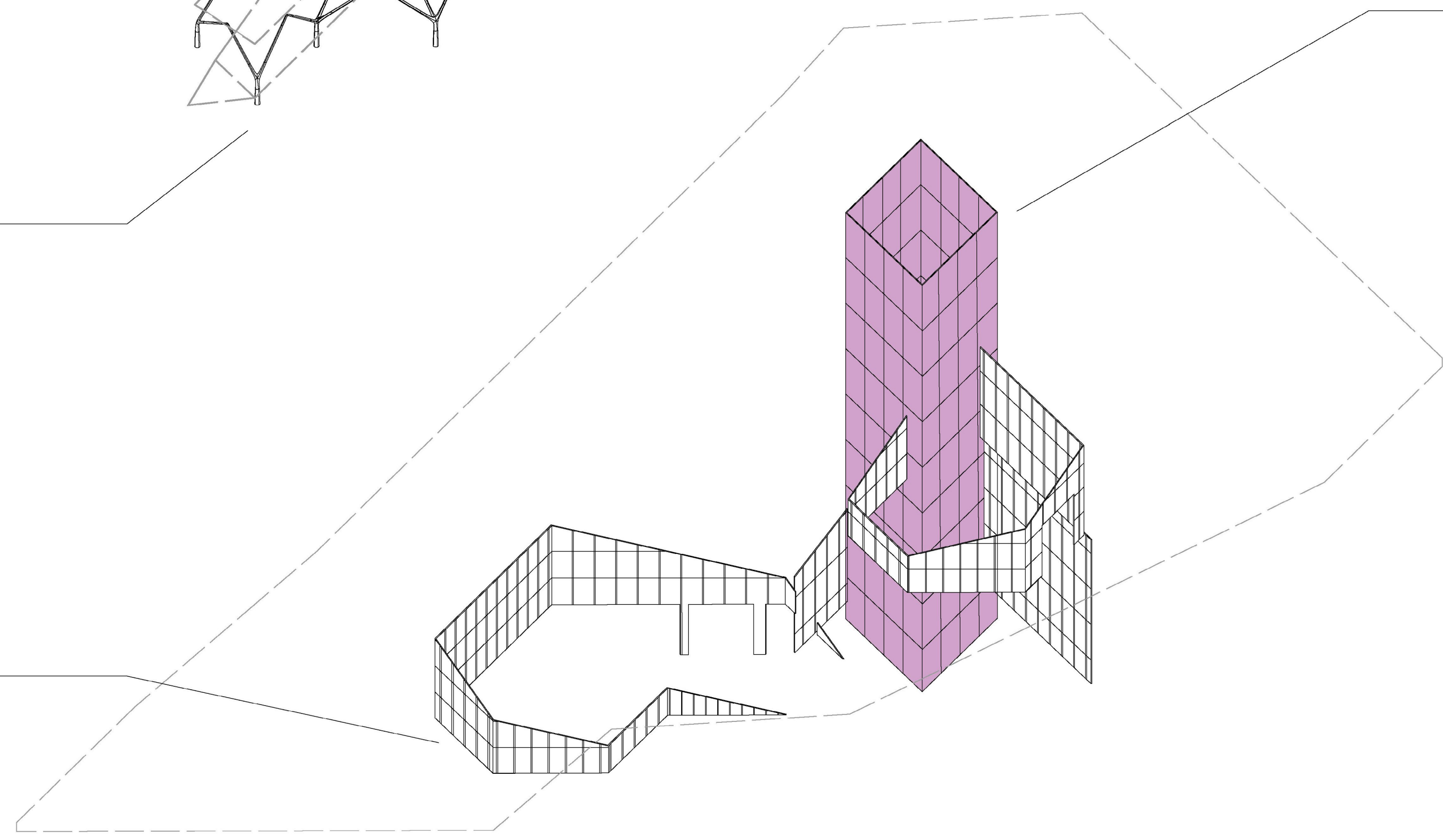
Tinted Glazing

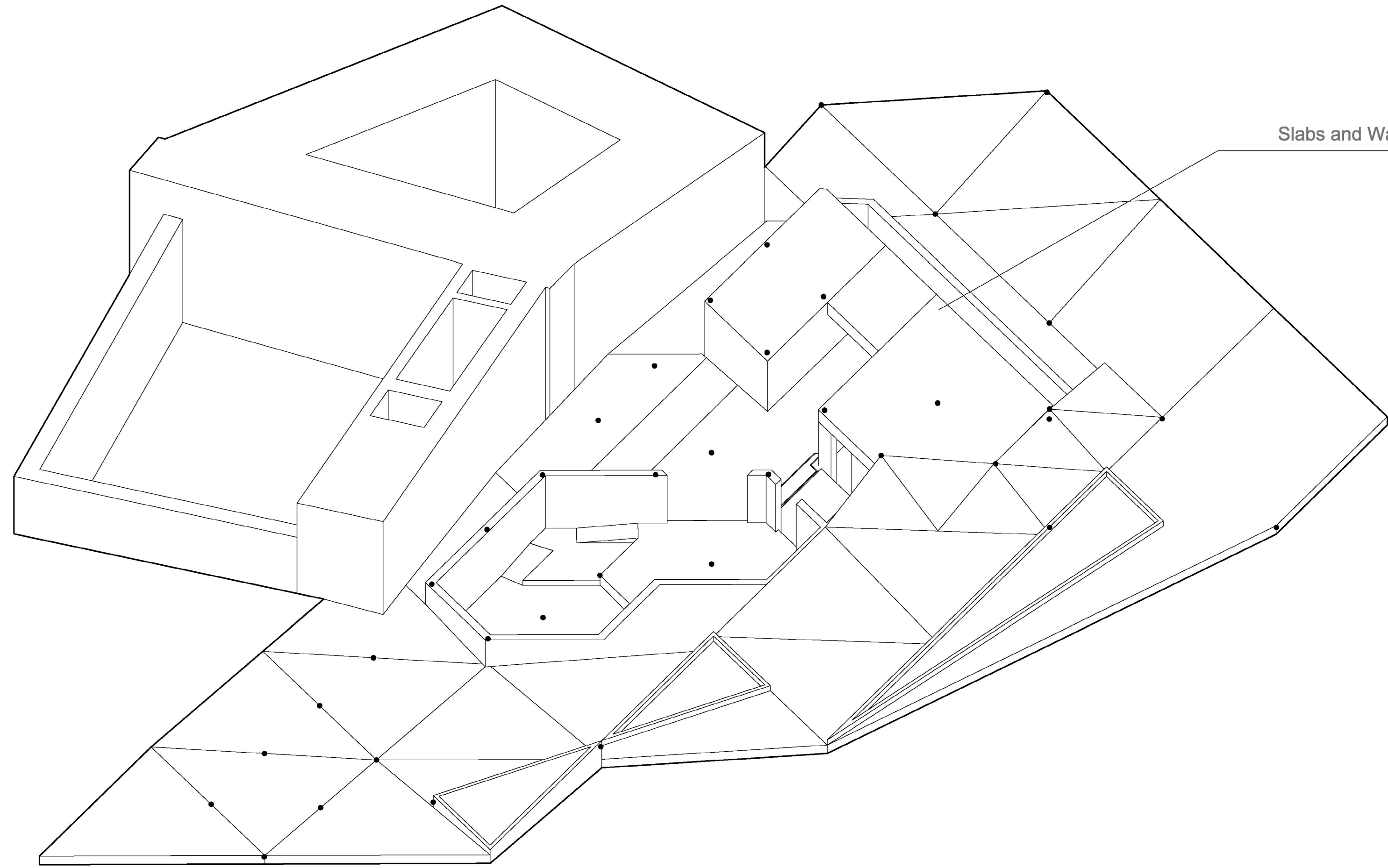
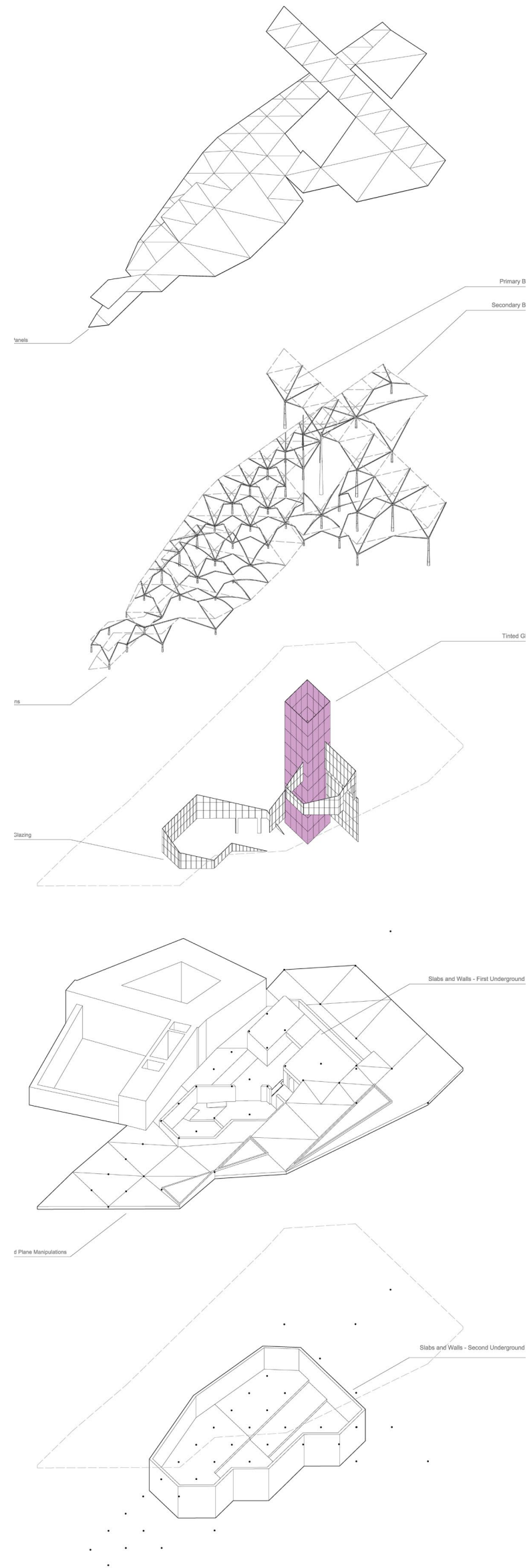


Columns

Tinted Glazing

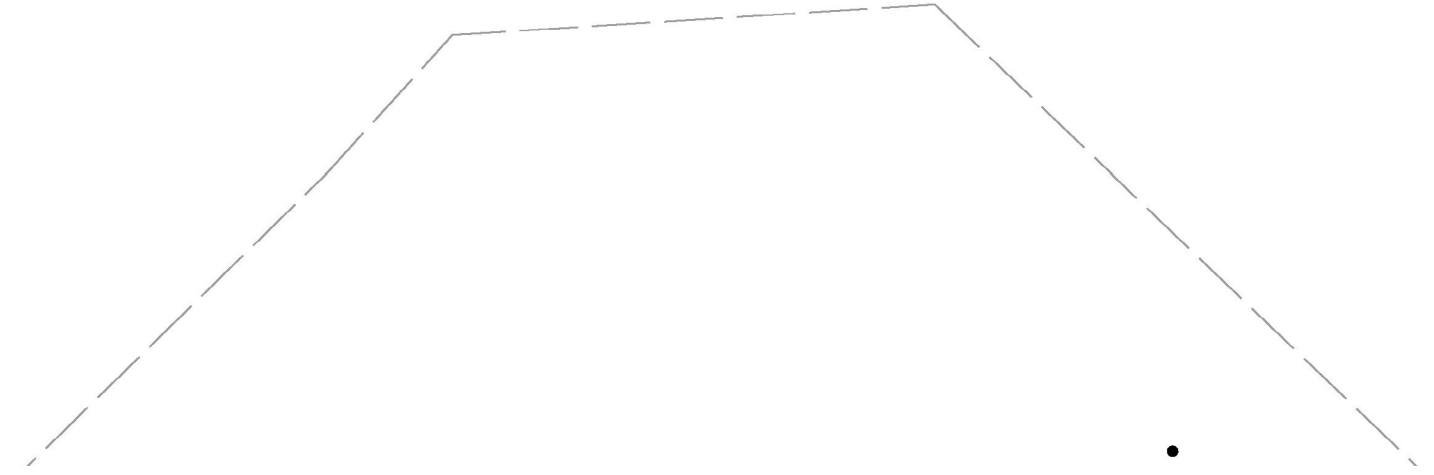
Clear Glazing

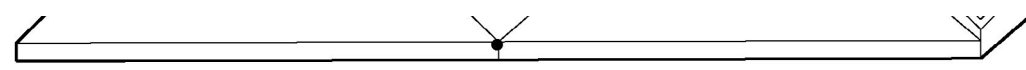




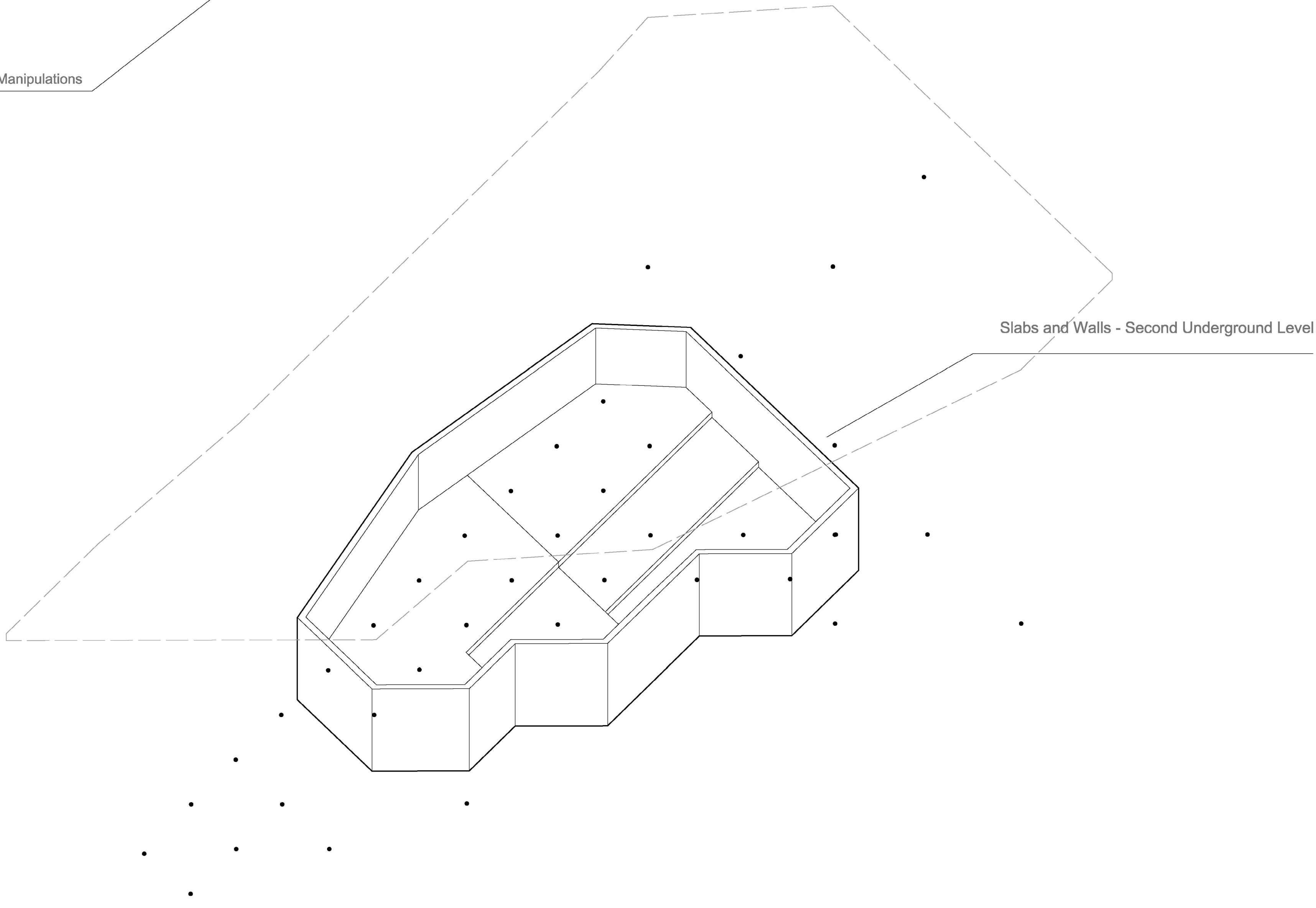
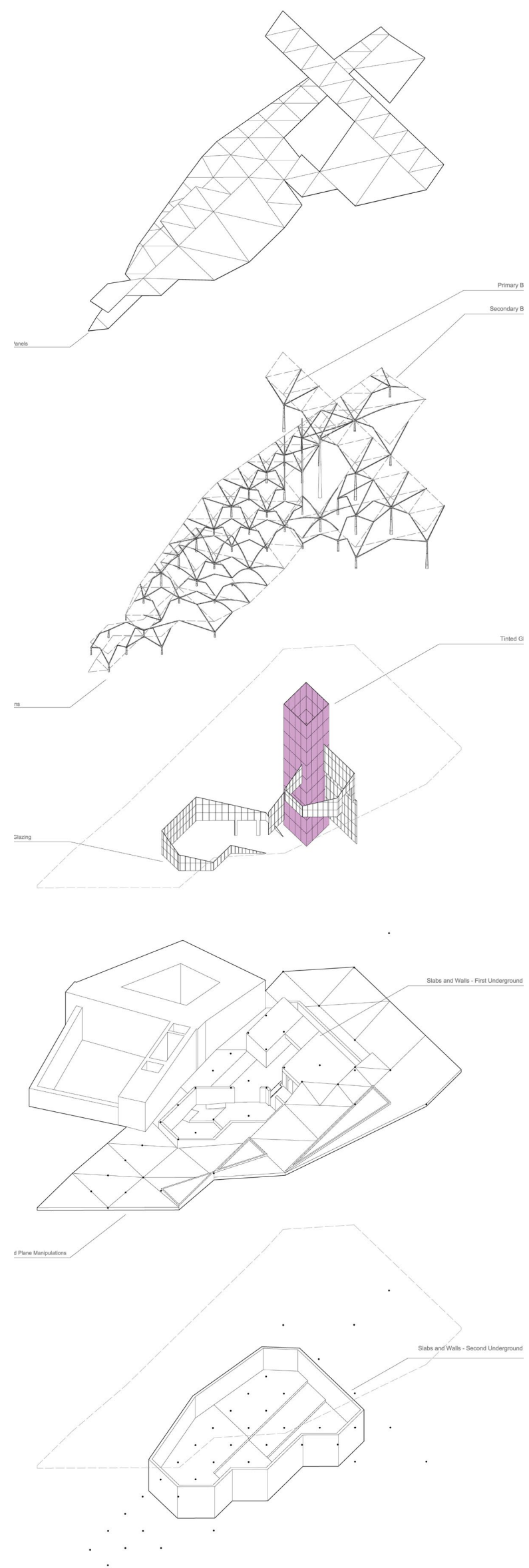
Slabs and Walls - First Underground Level

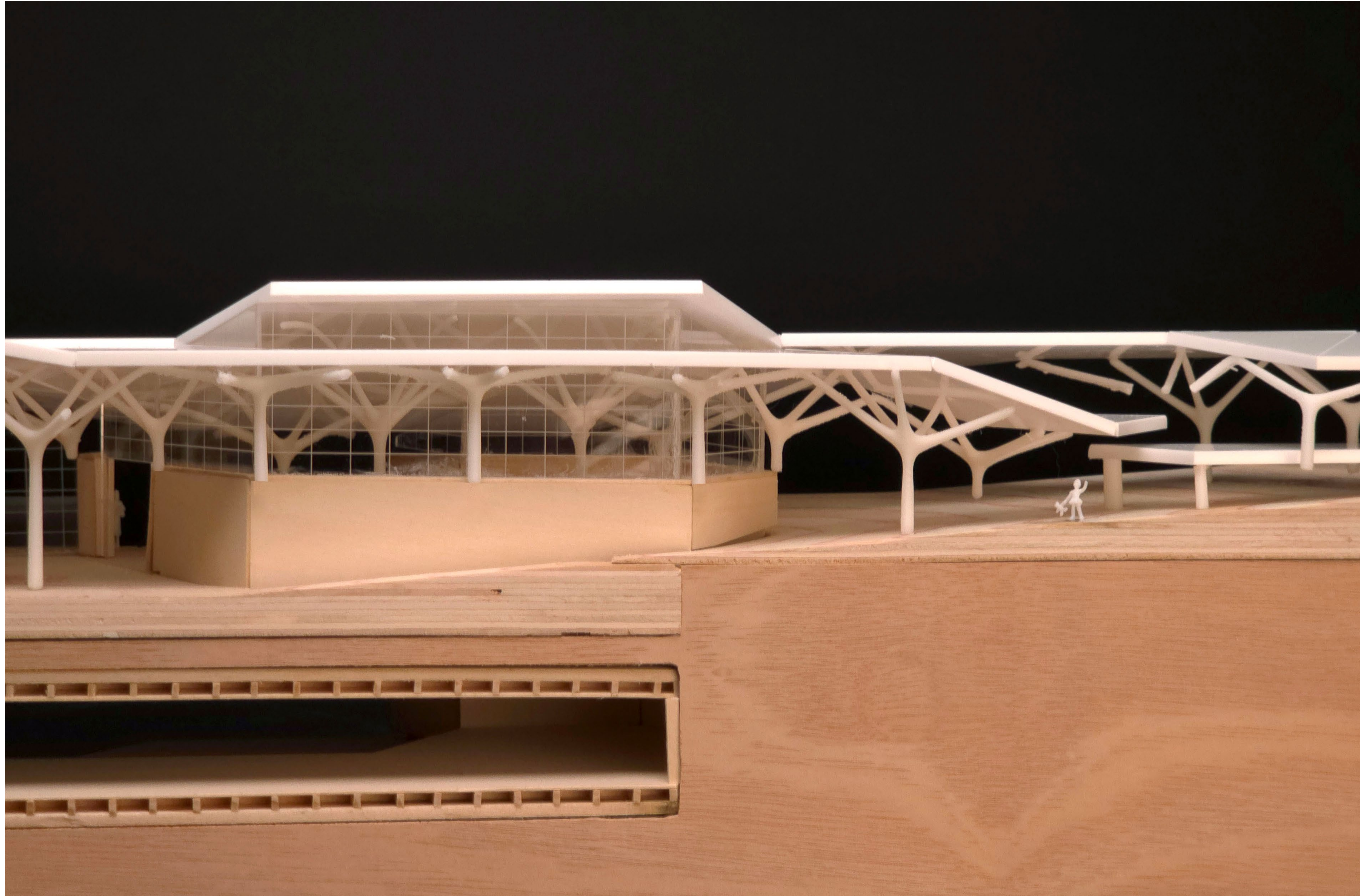
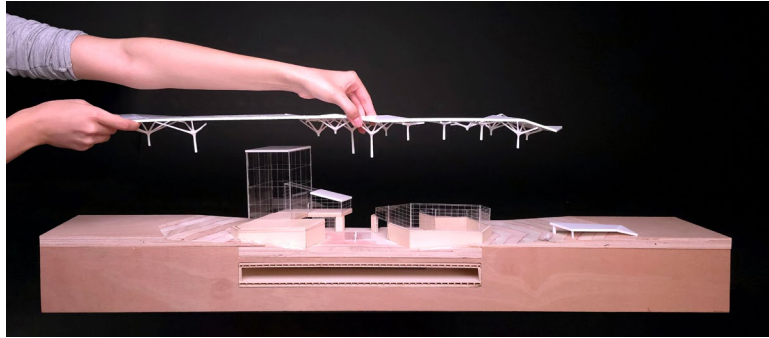
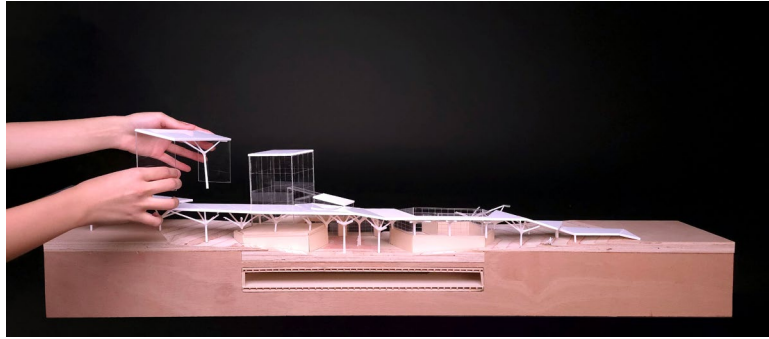
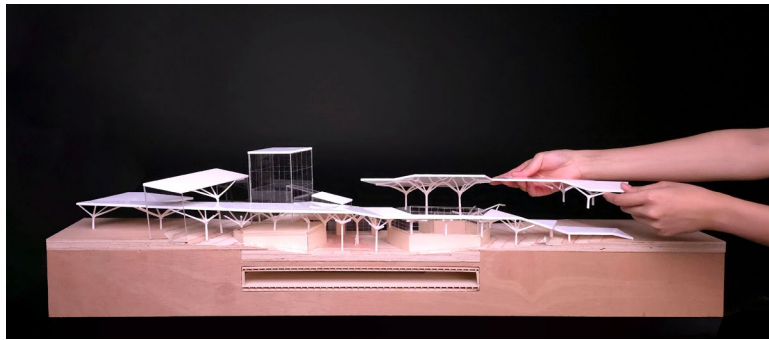
Ground Plane Manipulations





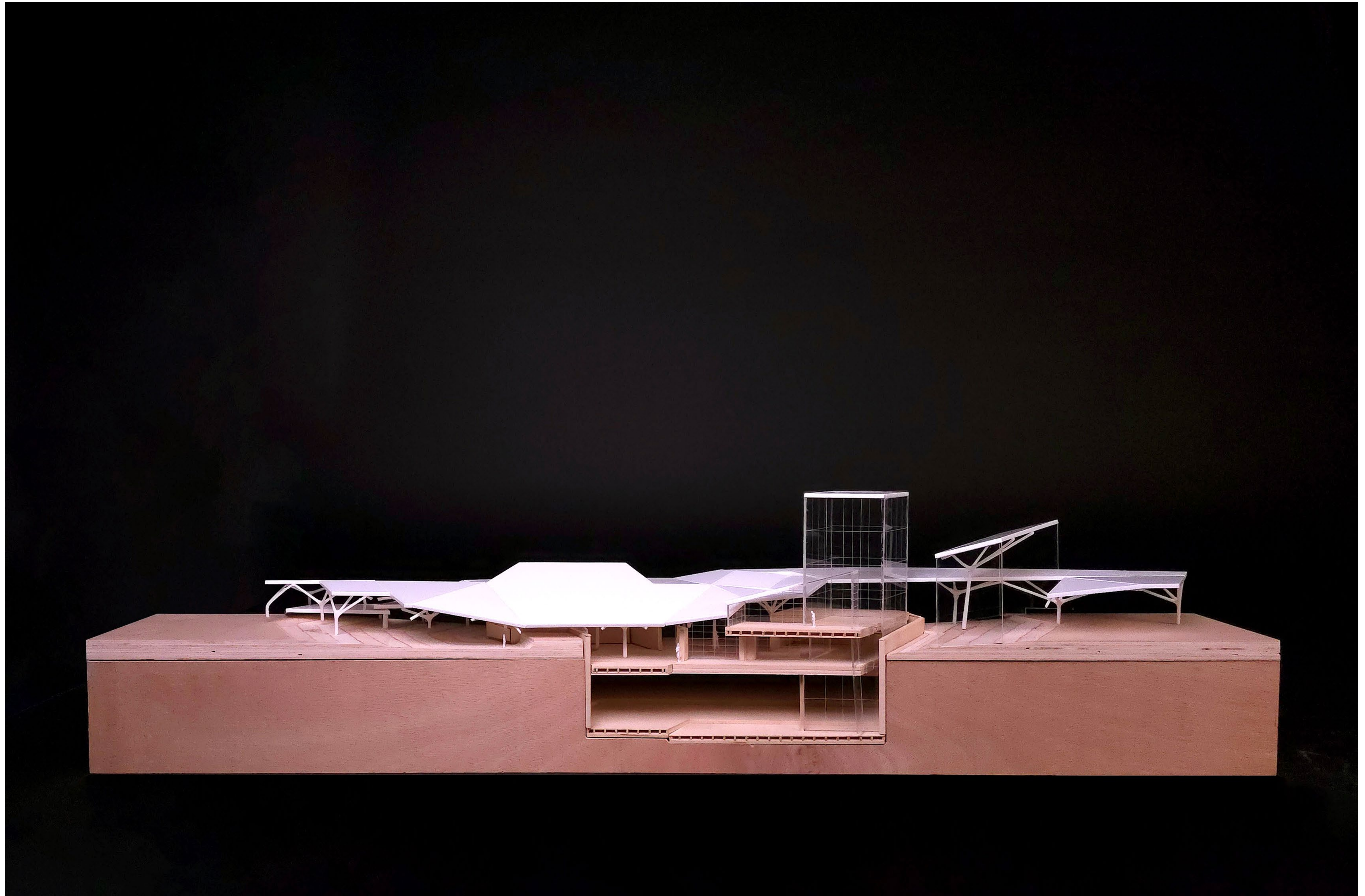
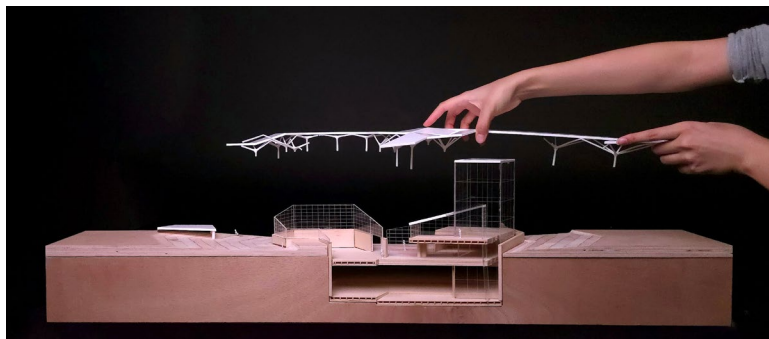
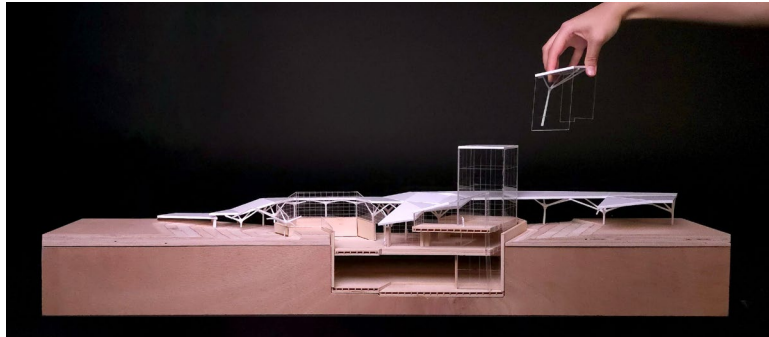
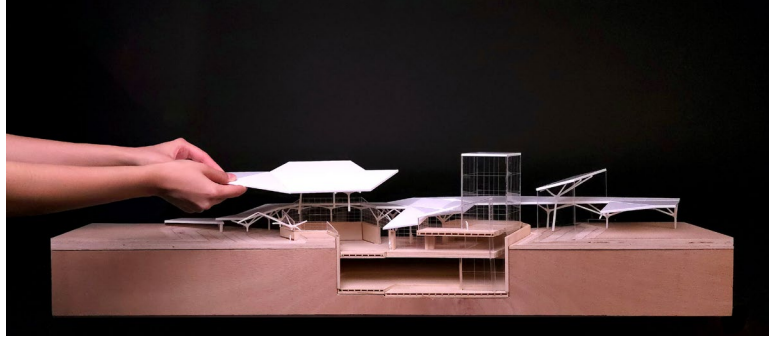
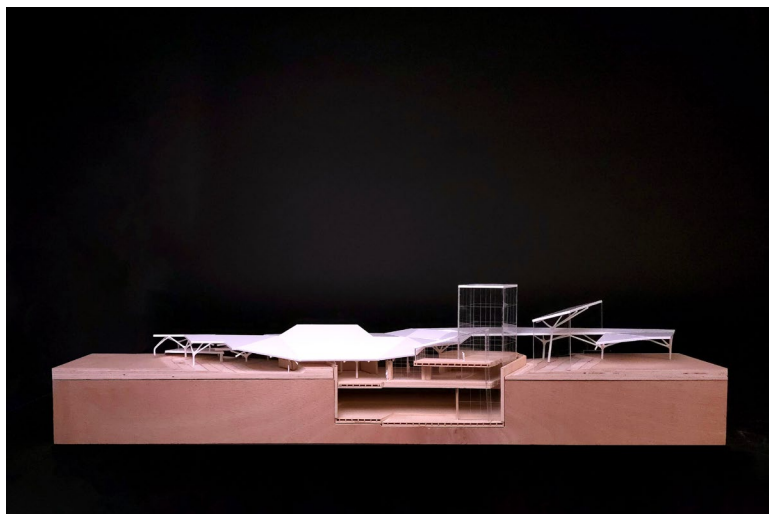
Ground Plane Manipulations





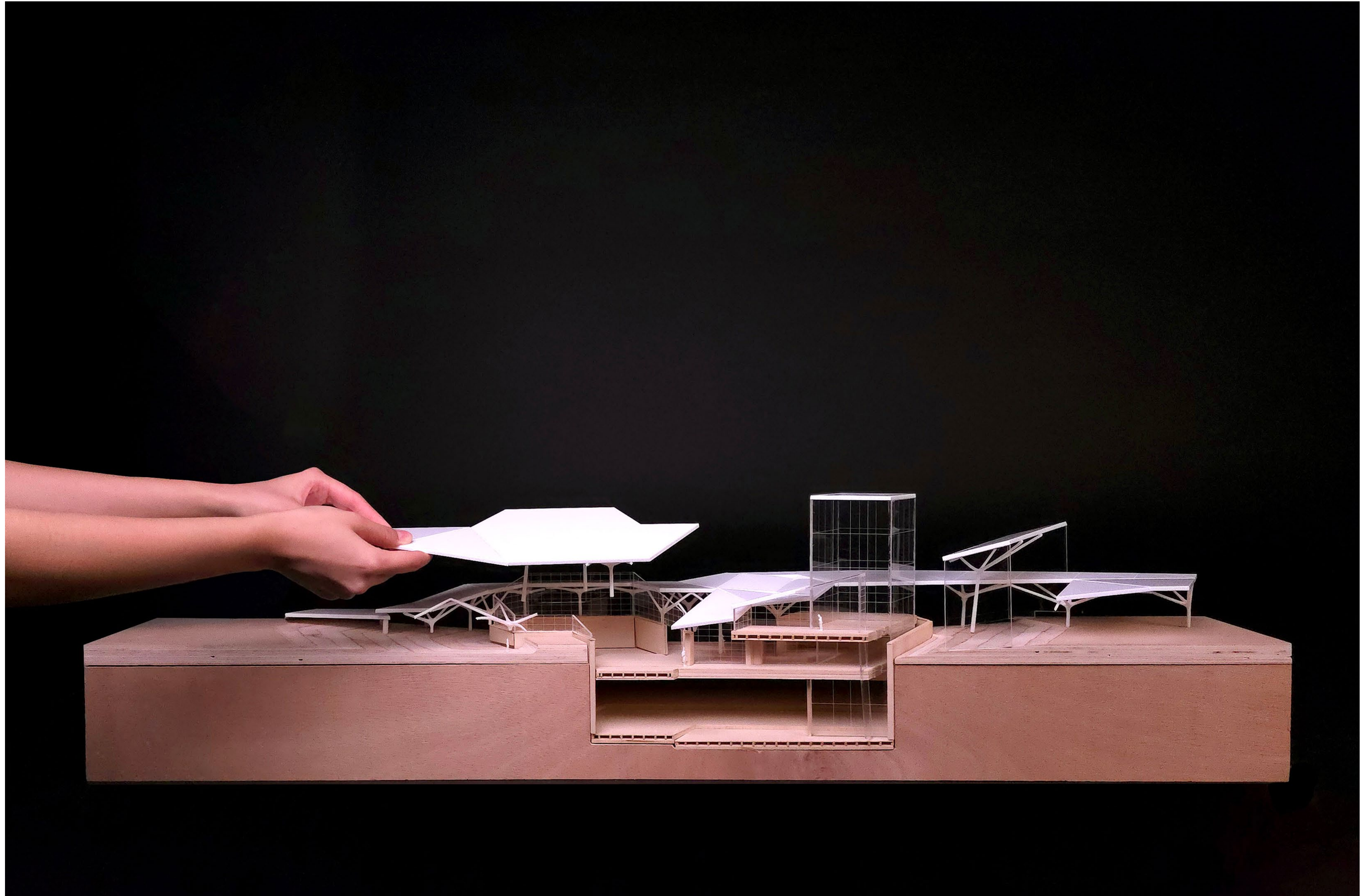
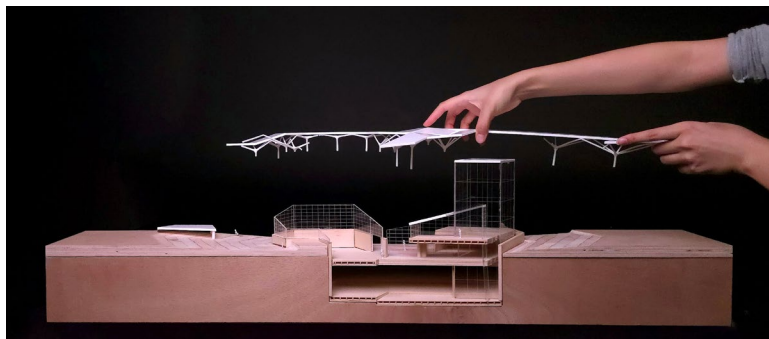
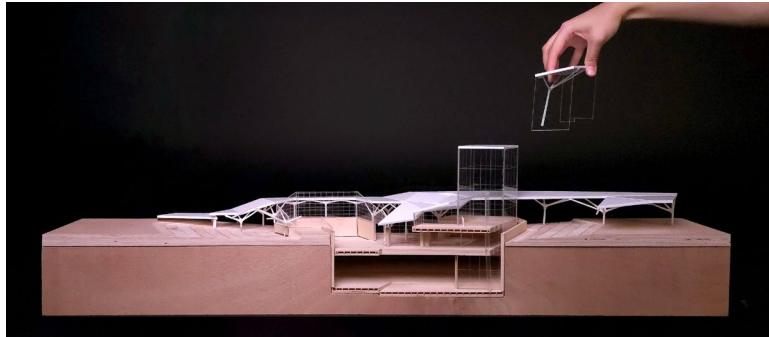
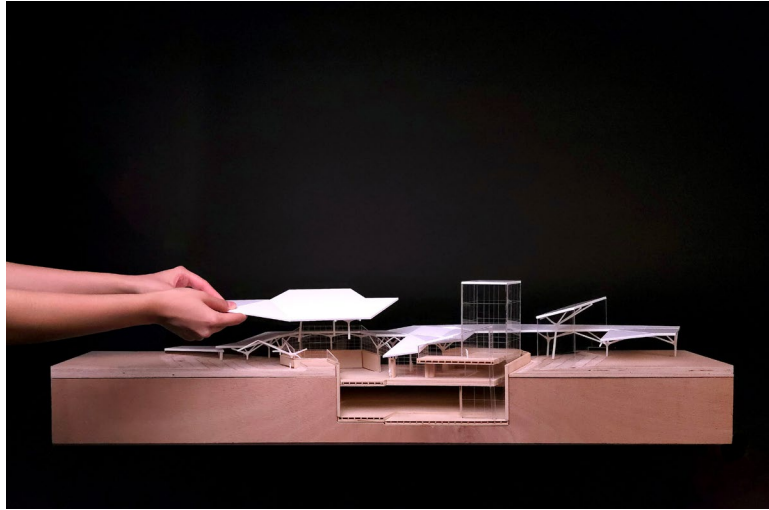
# Sectional Model

Procession



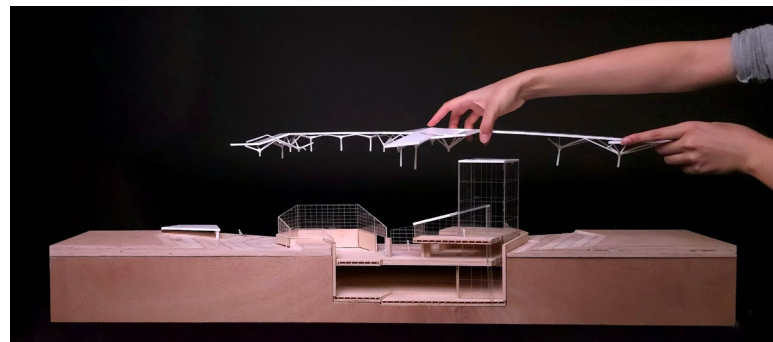
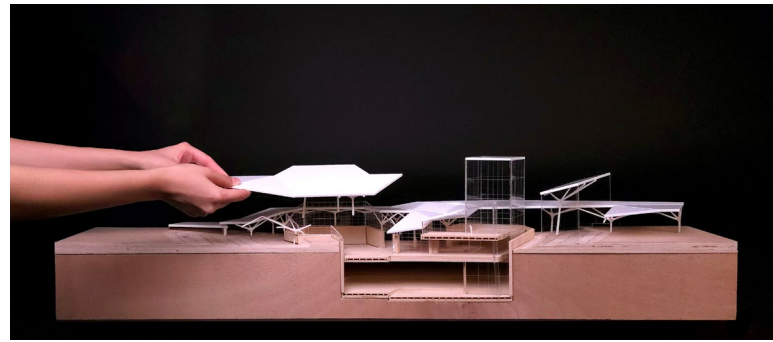
## Sectional Model

Taking apart the roof



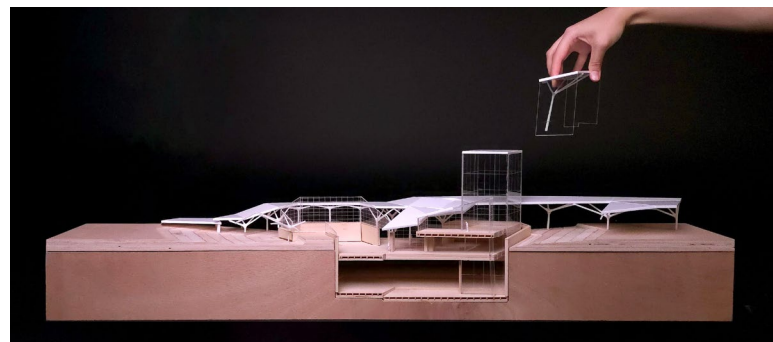
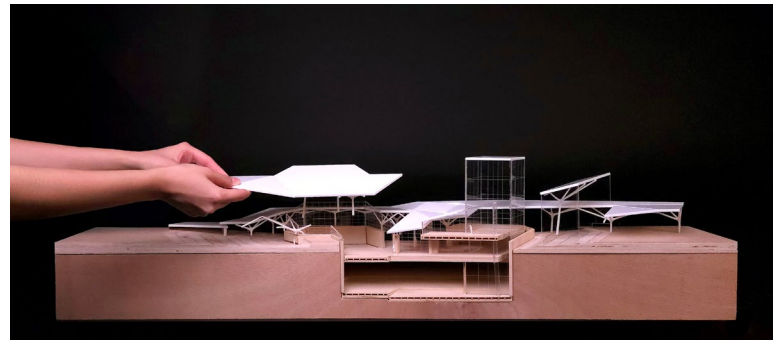
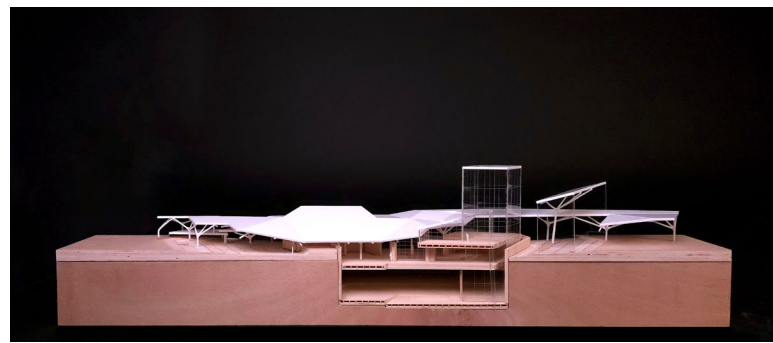
## Sectional Model

Taking apart the roof



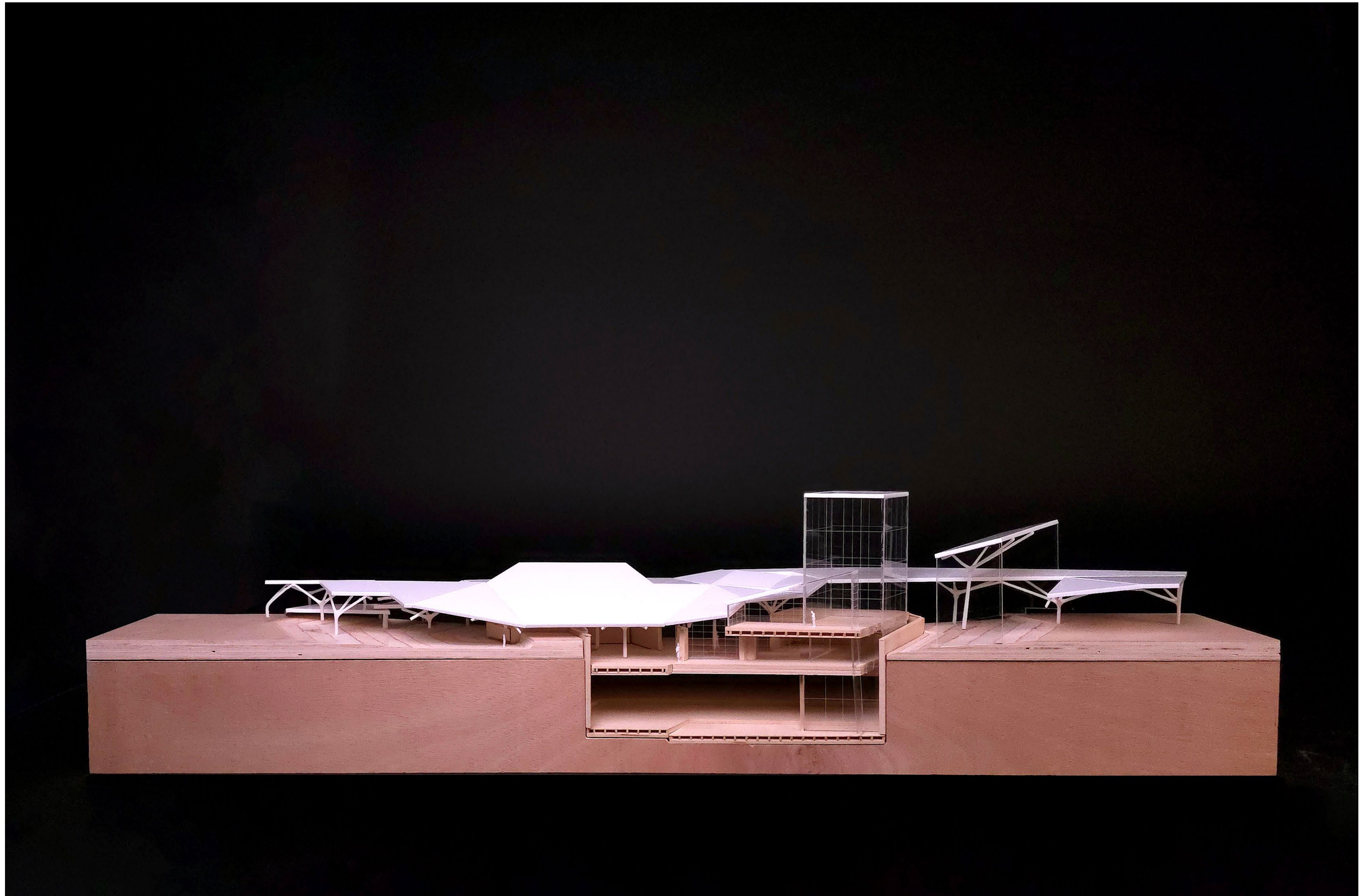
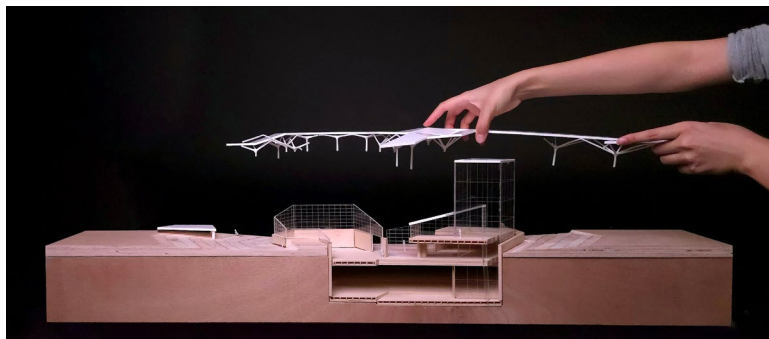
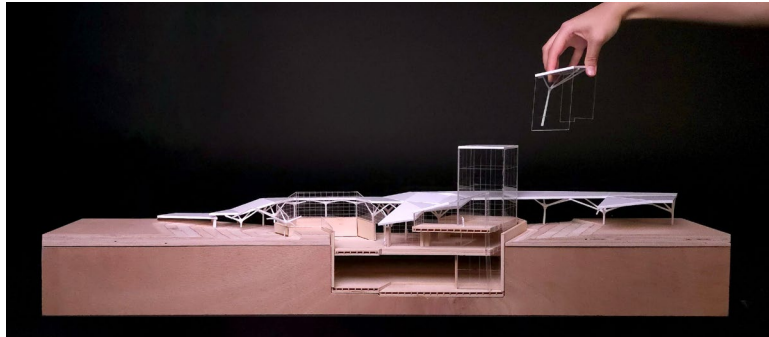
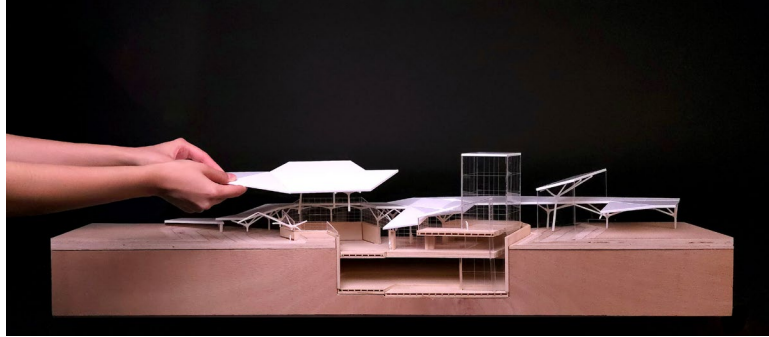
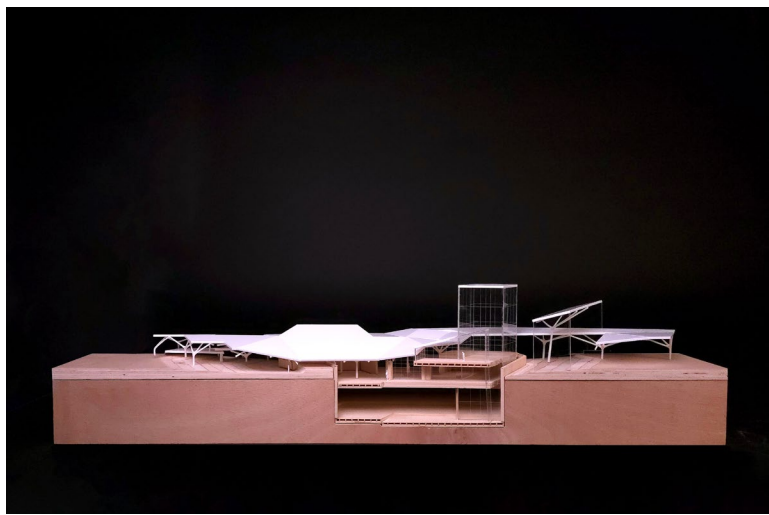
## Sectional Model

Taking apart the roof



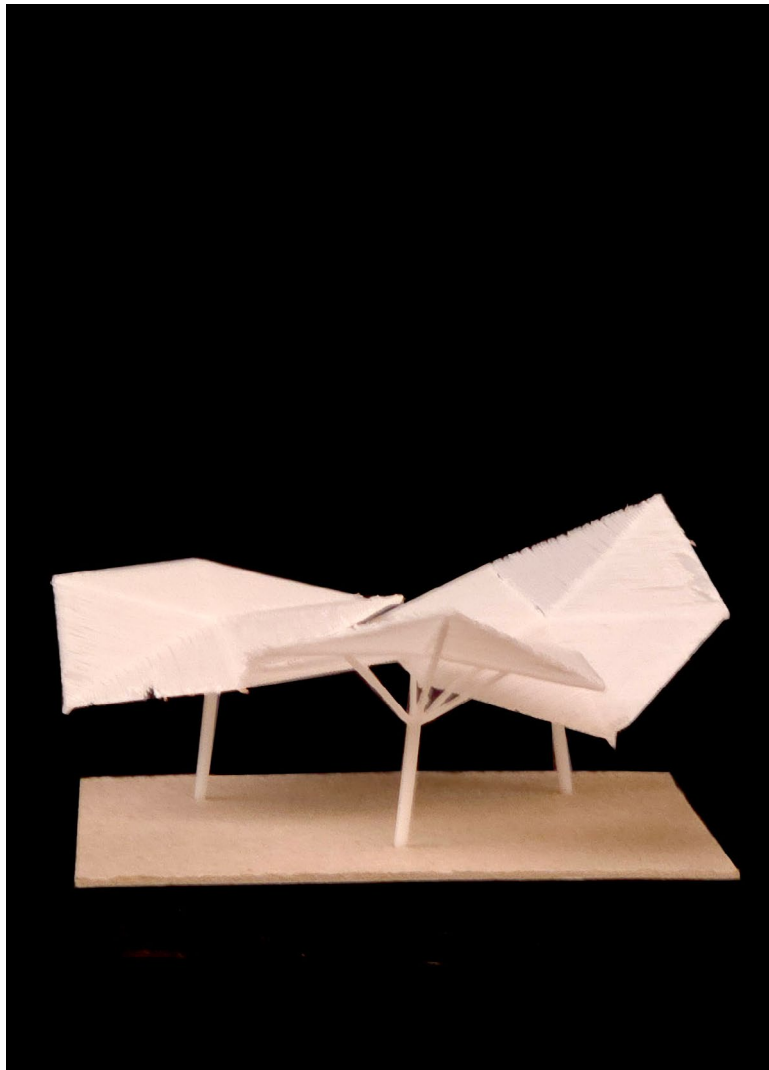
## Sectional Model

Taking apart the roof



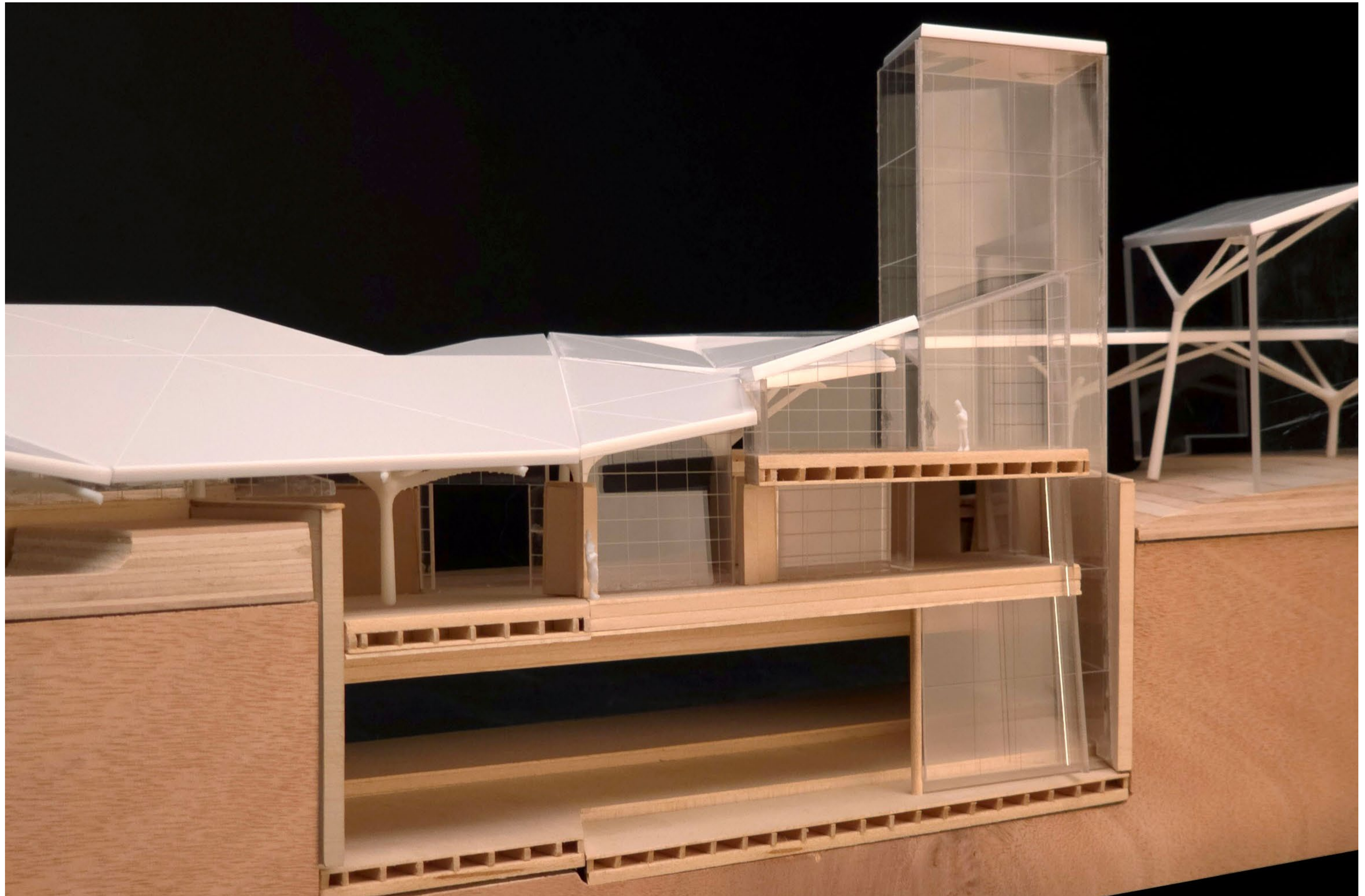
## Sectional Model

Taking apart the roof



## Sectional Model

Column design process





**Approaching the project from the West**