

Un-Fragmented Nostalgia:
Public Condenser, Copenhagen

AR3AP100 Public Building
Graduation Studio 2024/25



Yichen Li (Richard)
5992346

1.De-fragmentation: Concept Model



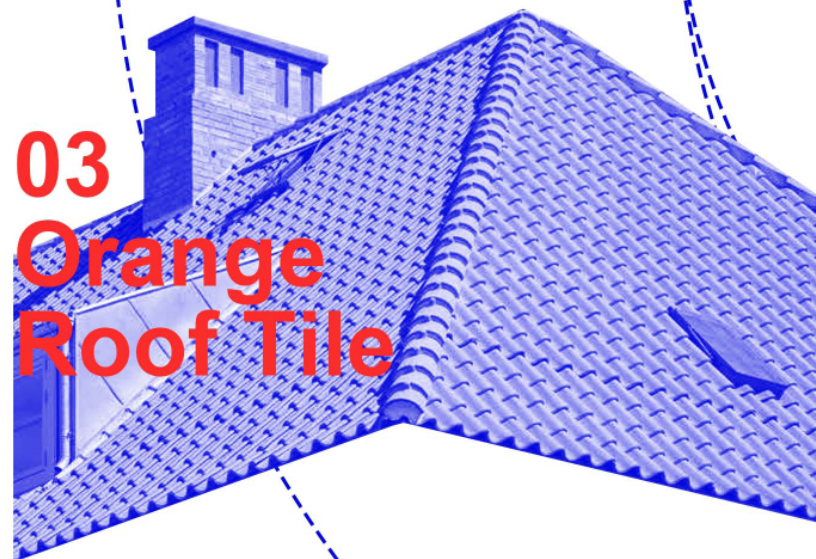
1.De-fragmentation: Urban Mining

02
Remanufactured
Wood



Individual Size: 400x600mm²
Reuse Area: 195m²
Reuse Amount: 812

03
Orange
Roof Tile

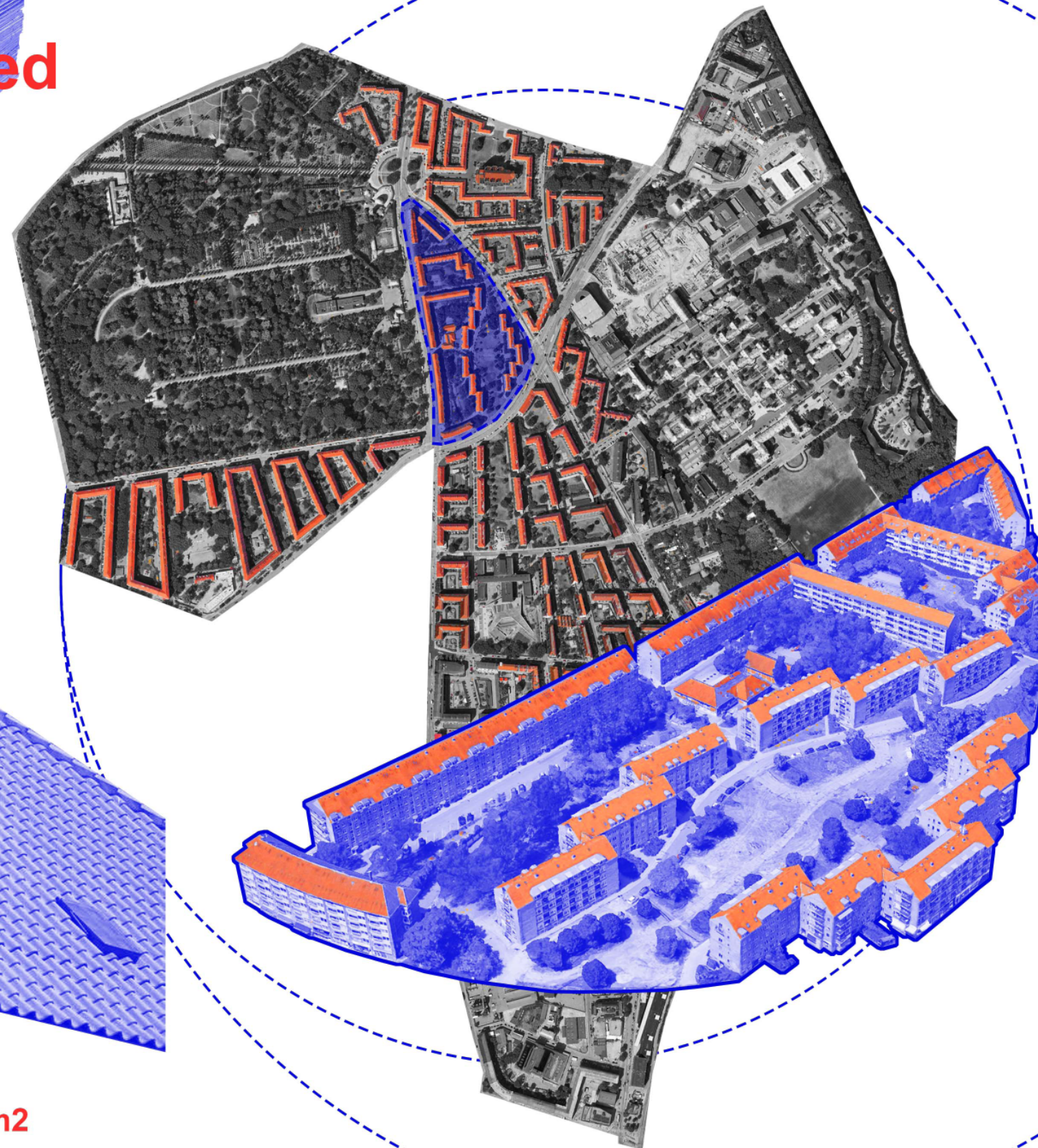


Individual Size: 265x165mm²
Reuse Area: 91.5m²
Reuse Amount: 2092

01
Danish
Yellow Brick



Individual Size: 228x54mm²
Reuse Area: 545.75m²
Reuse Amount: 44326



1.De-fragmentation: Urban Mining

05
Facade
Prefabrication

Brickwork, Roof Tile,
Wood Shingle

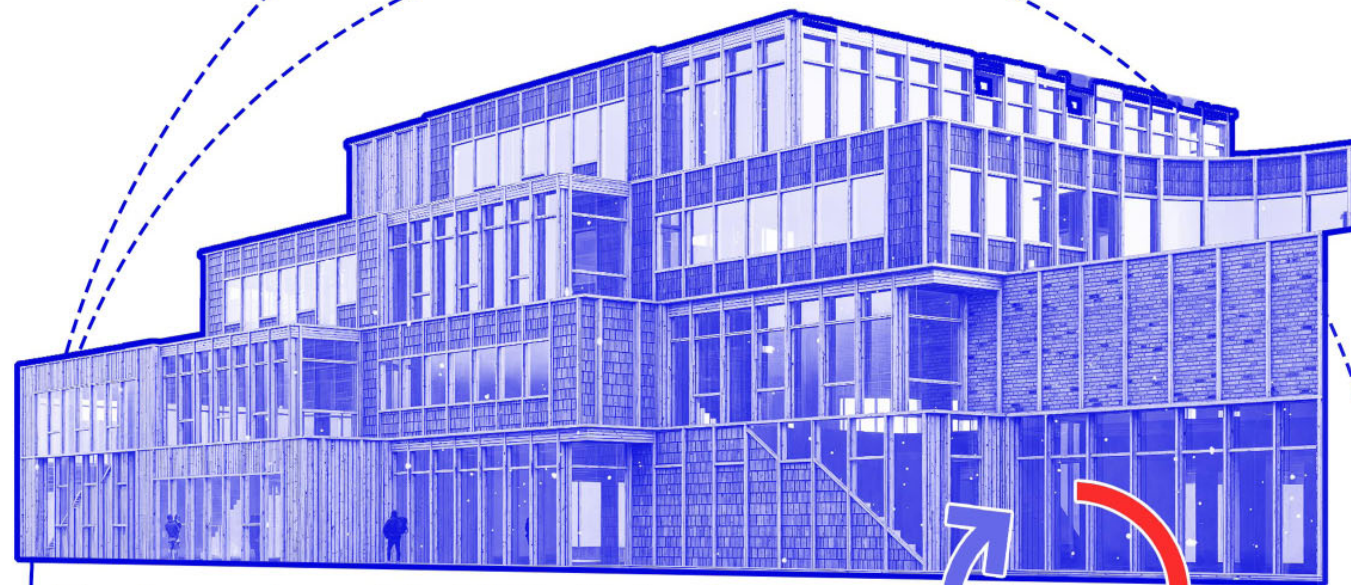
04
Assembled
Method

Brickwork
+ Steel Frame
+ CLT Wall

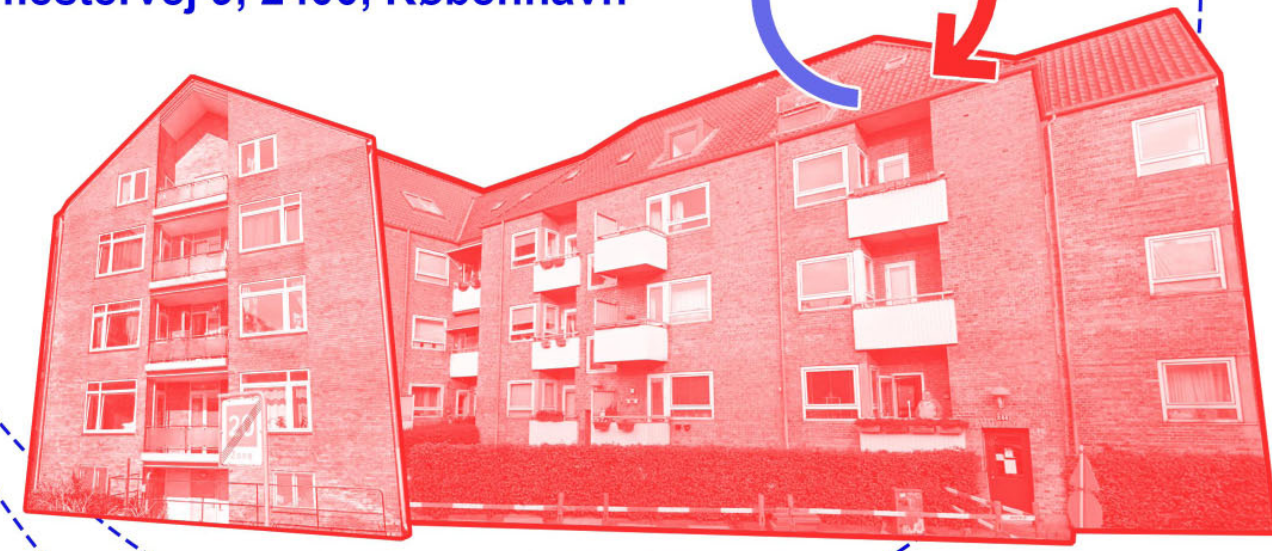
Roof Tiles
+ Timber Battens
+ CLT Wall

06
Construction
Units

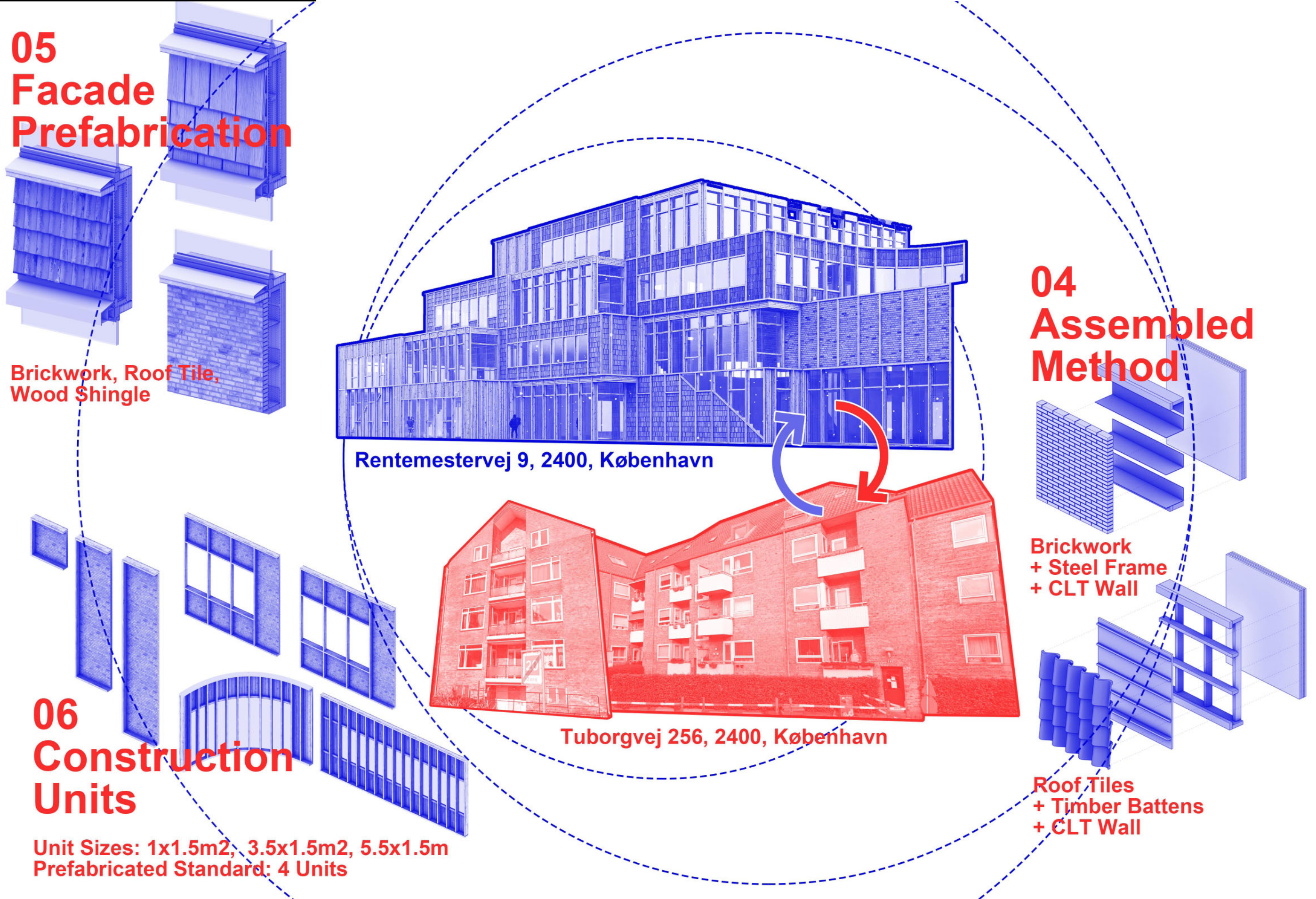
Unit Sizes: 1x1.5m2, 3.5x1.5m2, 5.5x1.5m
Prefabricated Standard: 4 Units



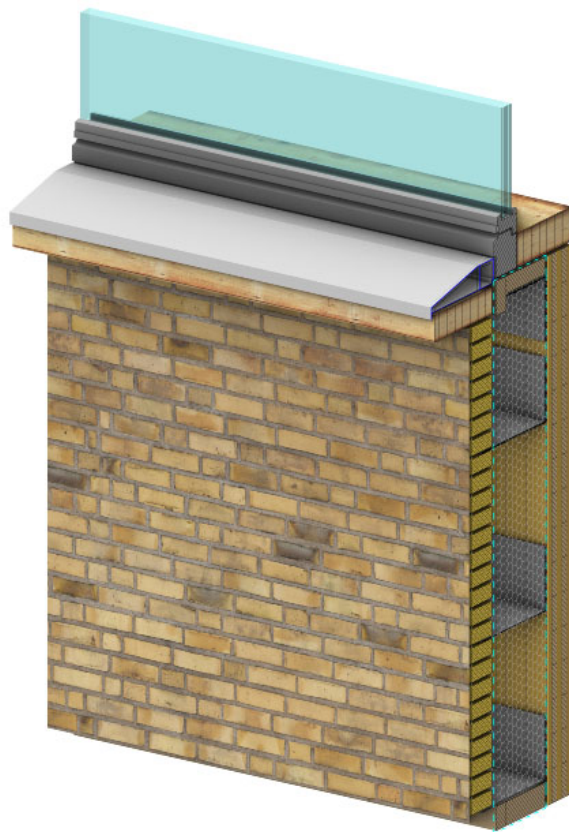
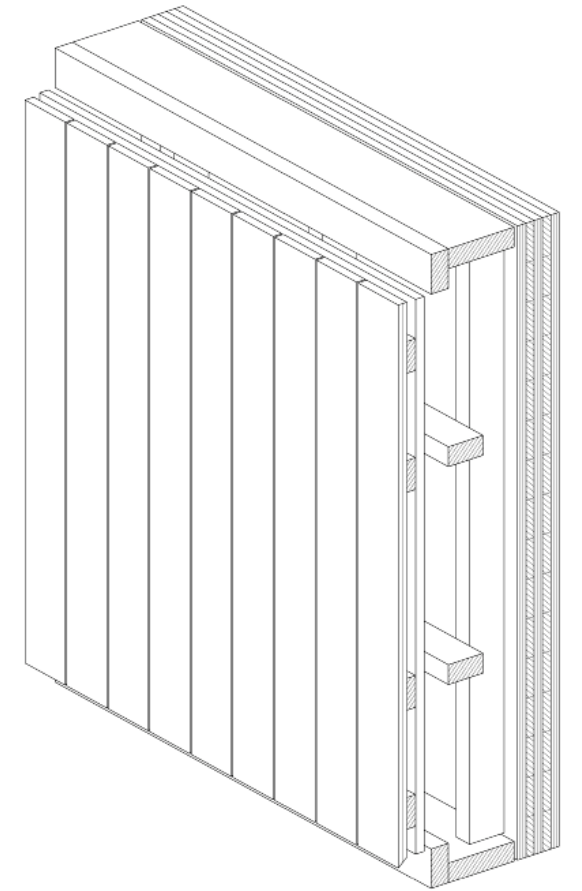
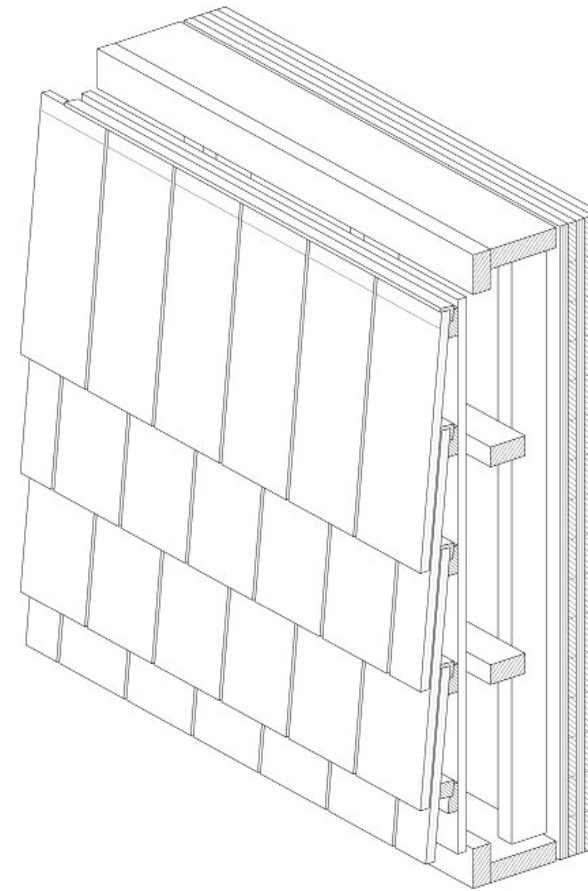
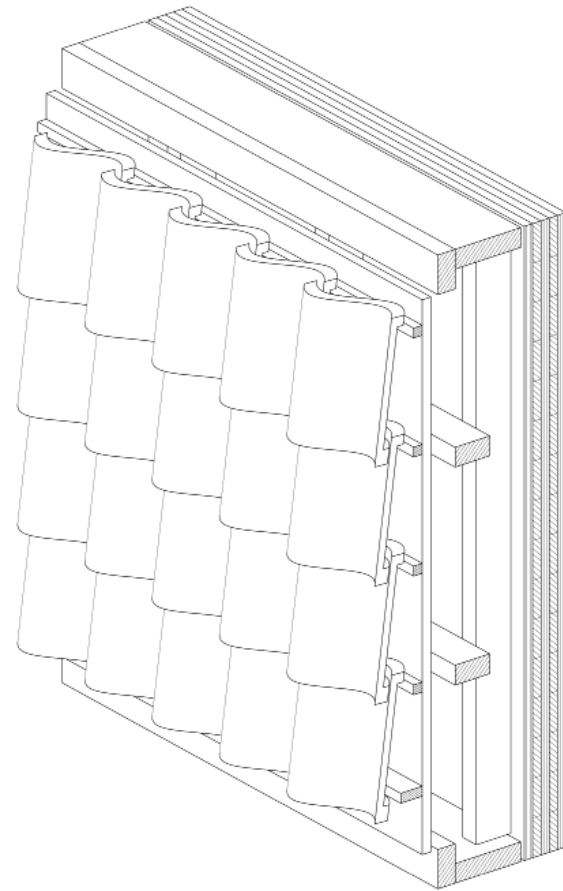
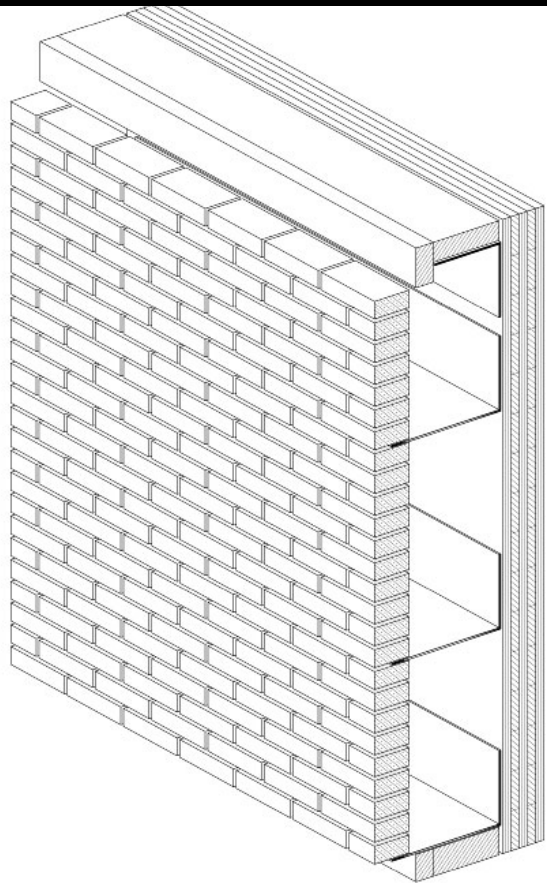
Rentemestervej 9, 2400, København



Tuborgvej 256, 2400, København



1.De-fragmentation: Urban Mining



Brickwork

Roof Tiles

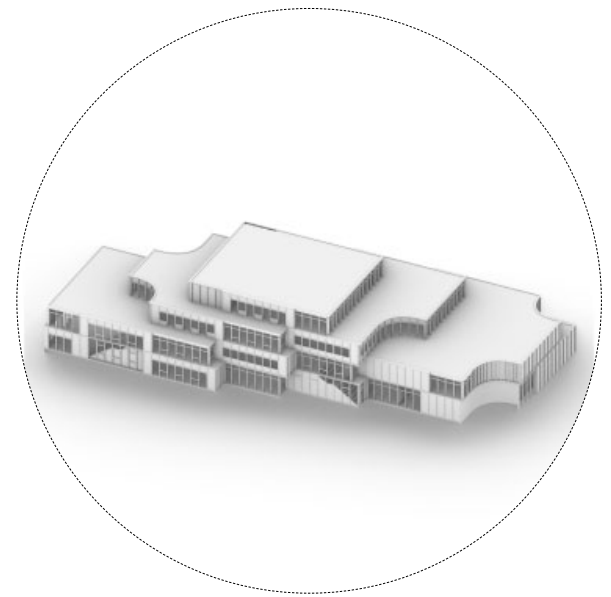
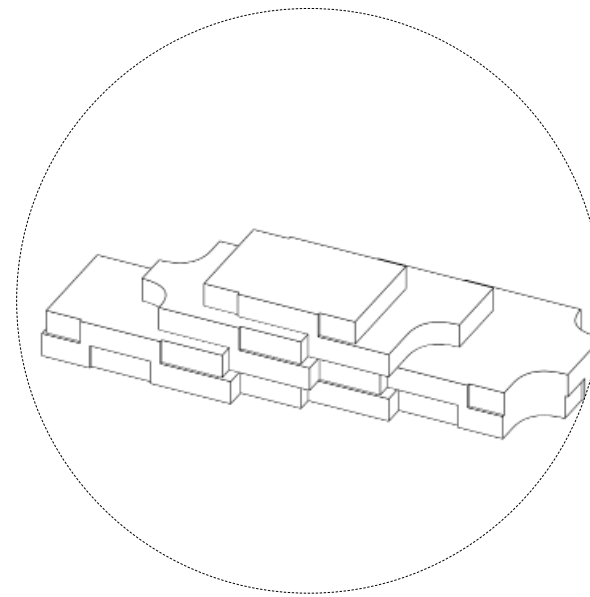
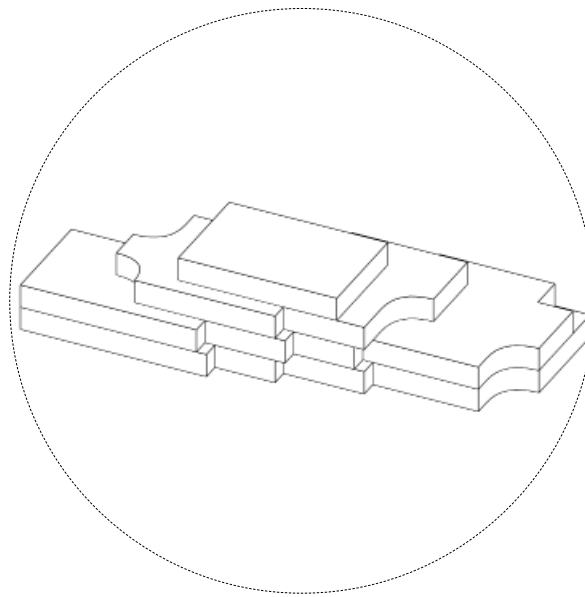
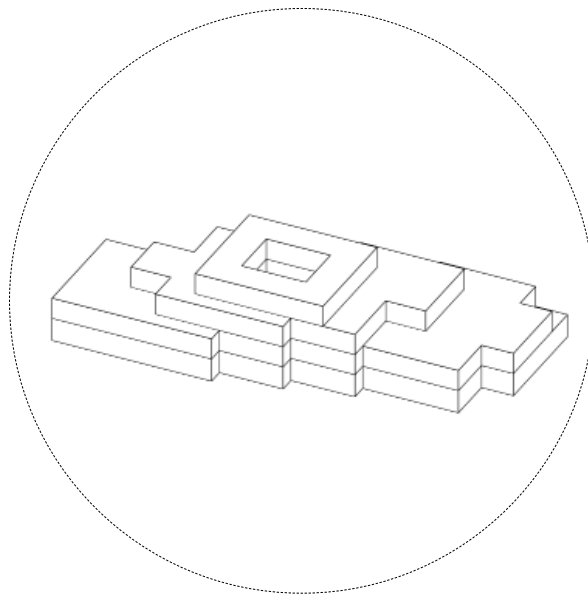
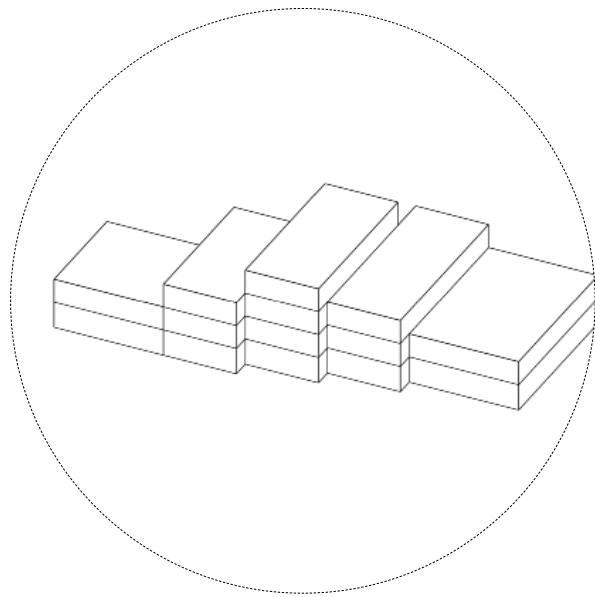
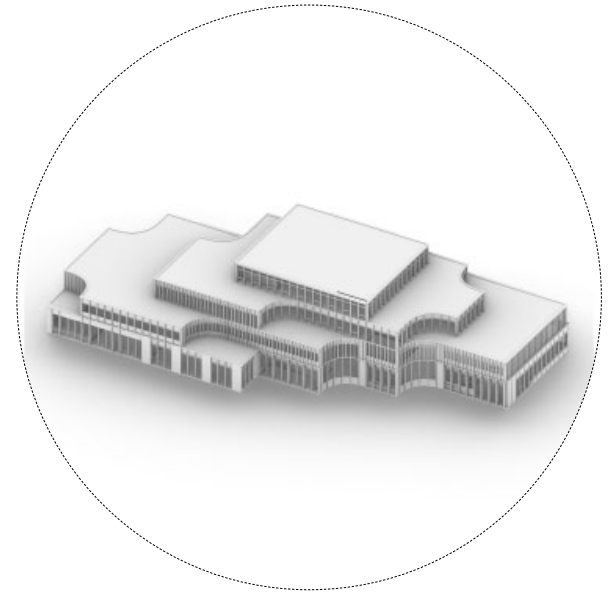
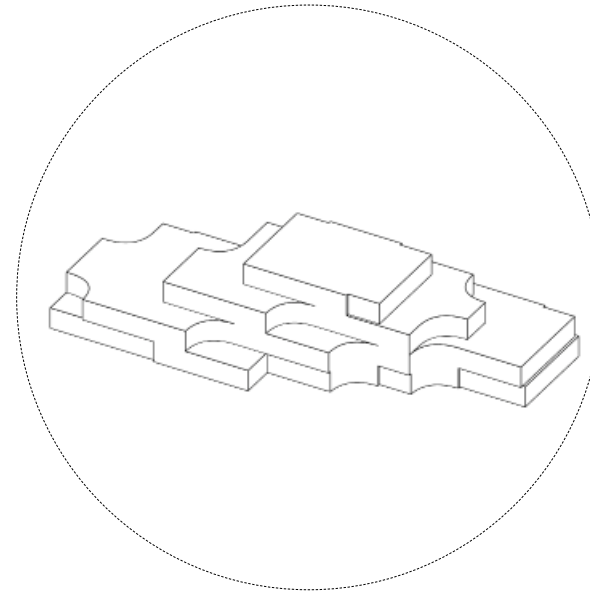
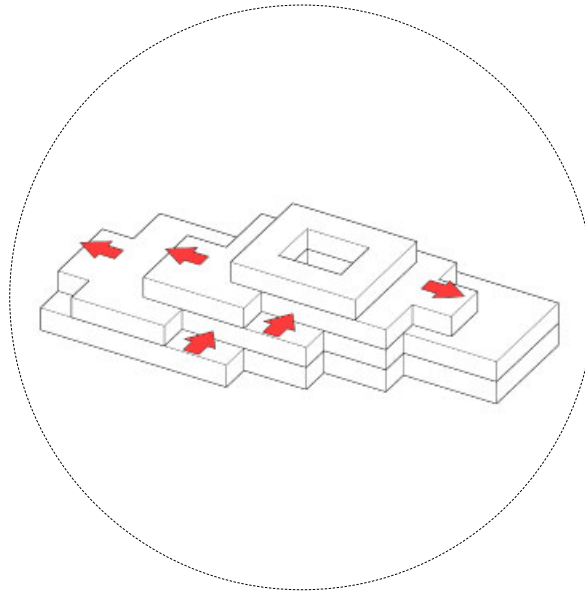
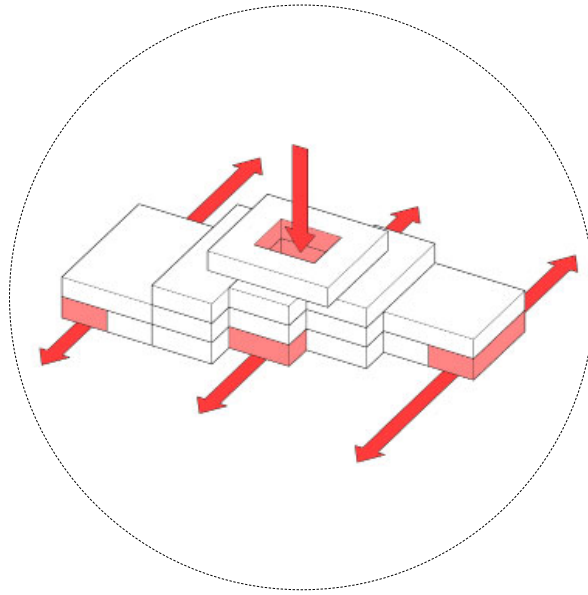
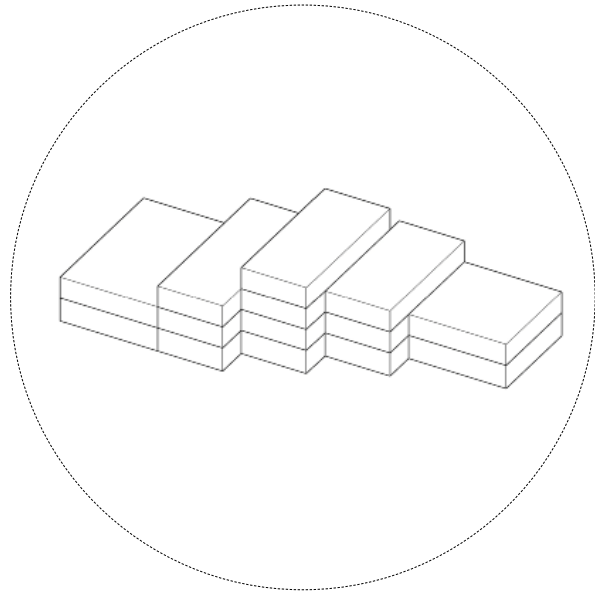
Wood Shingles

Wood Batten

1.De-fragmentation: Urban Mining



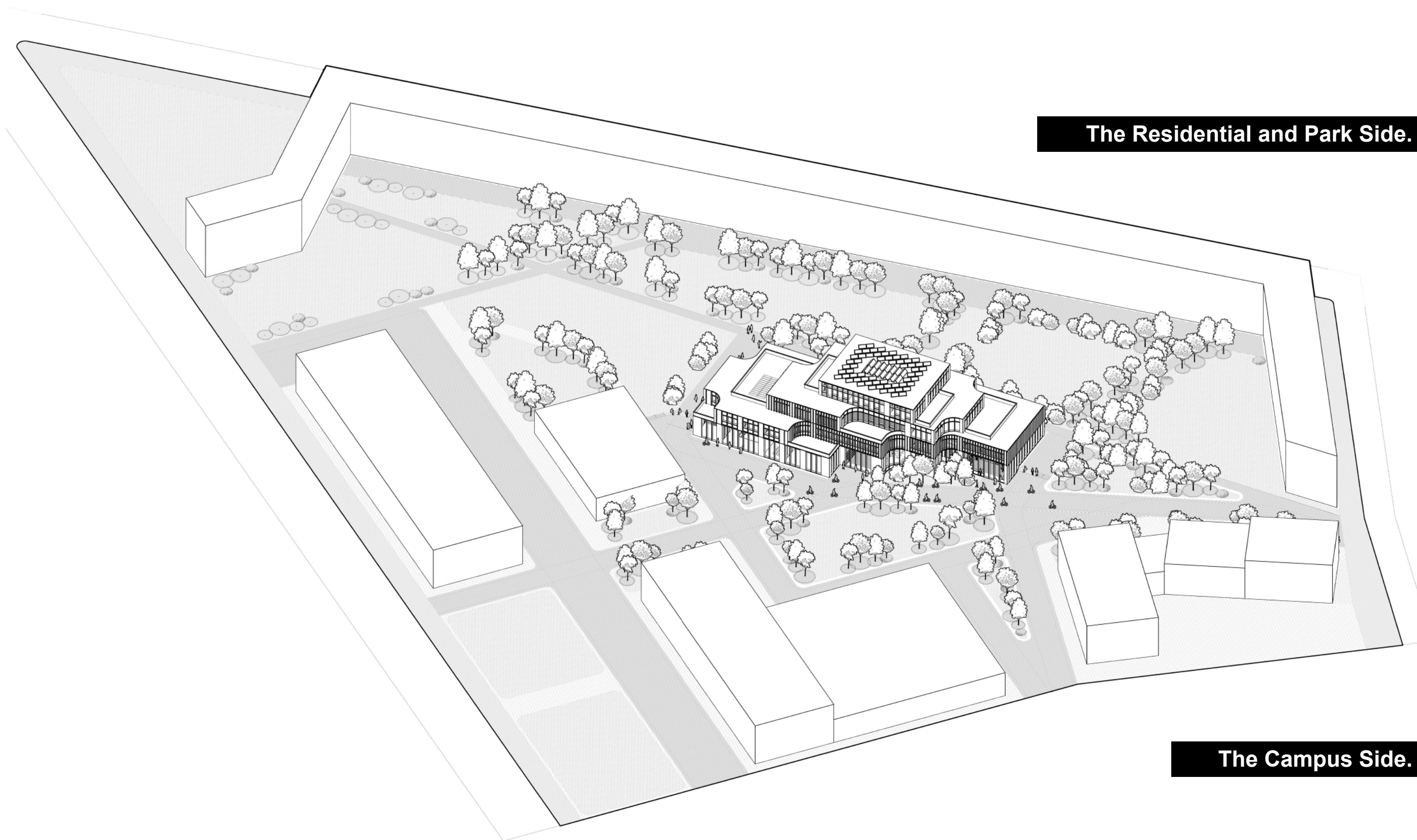
2. Form Giving:



2.Site:

The Residential and Park Side.

The Campus Side.



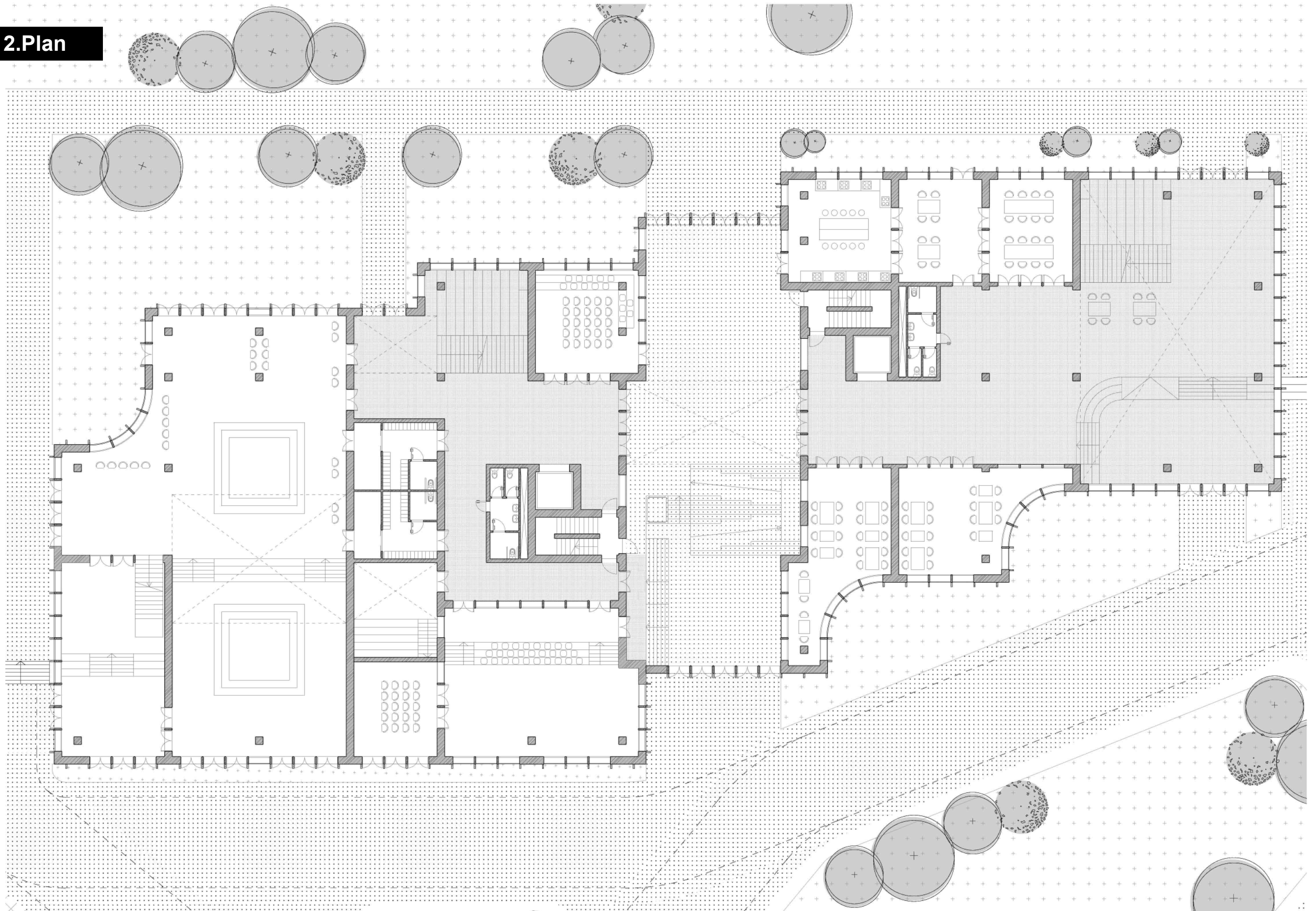
2.Ground Floor Plan in Site:

The Residential and Park Side.

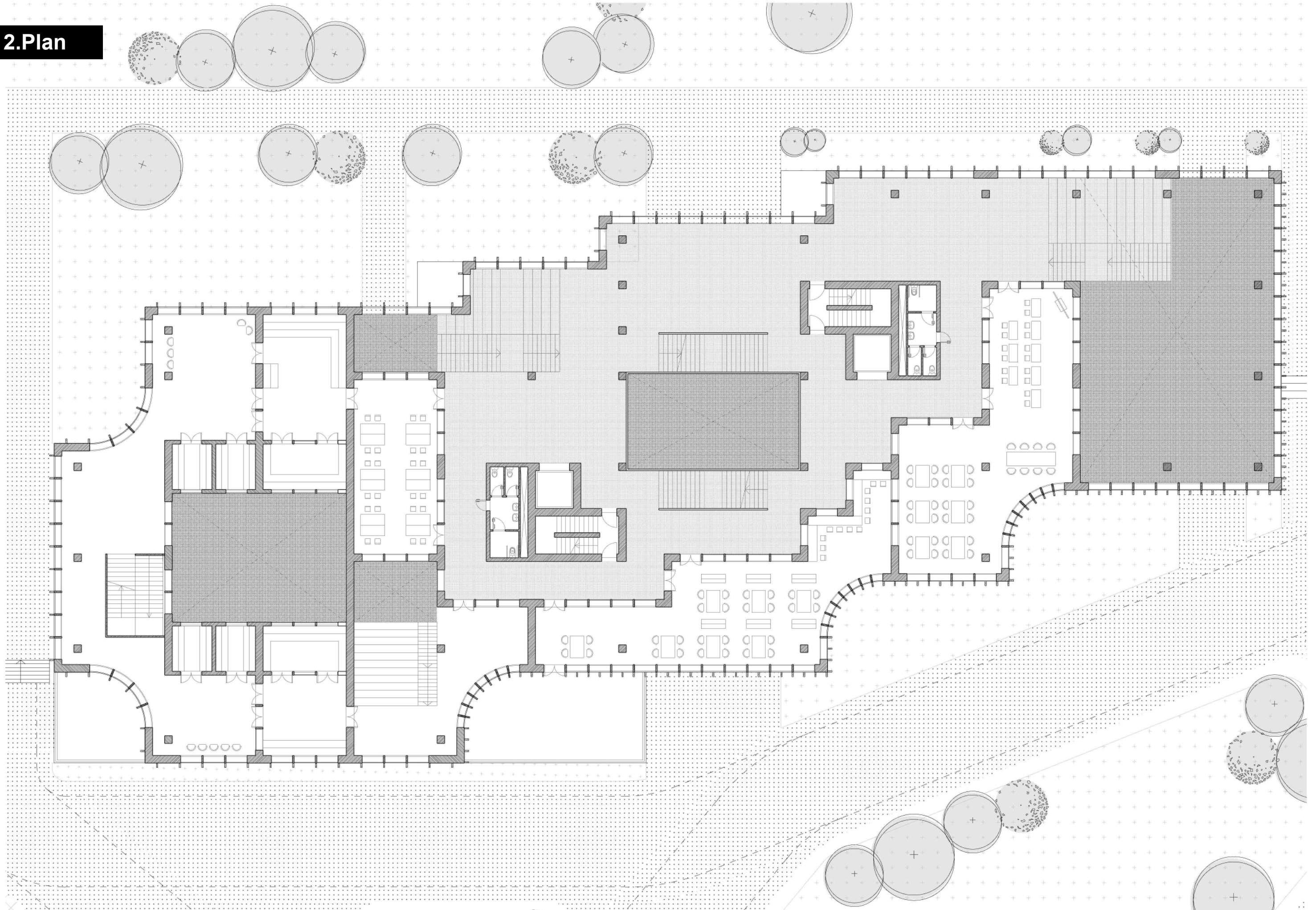
The Campus Side.



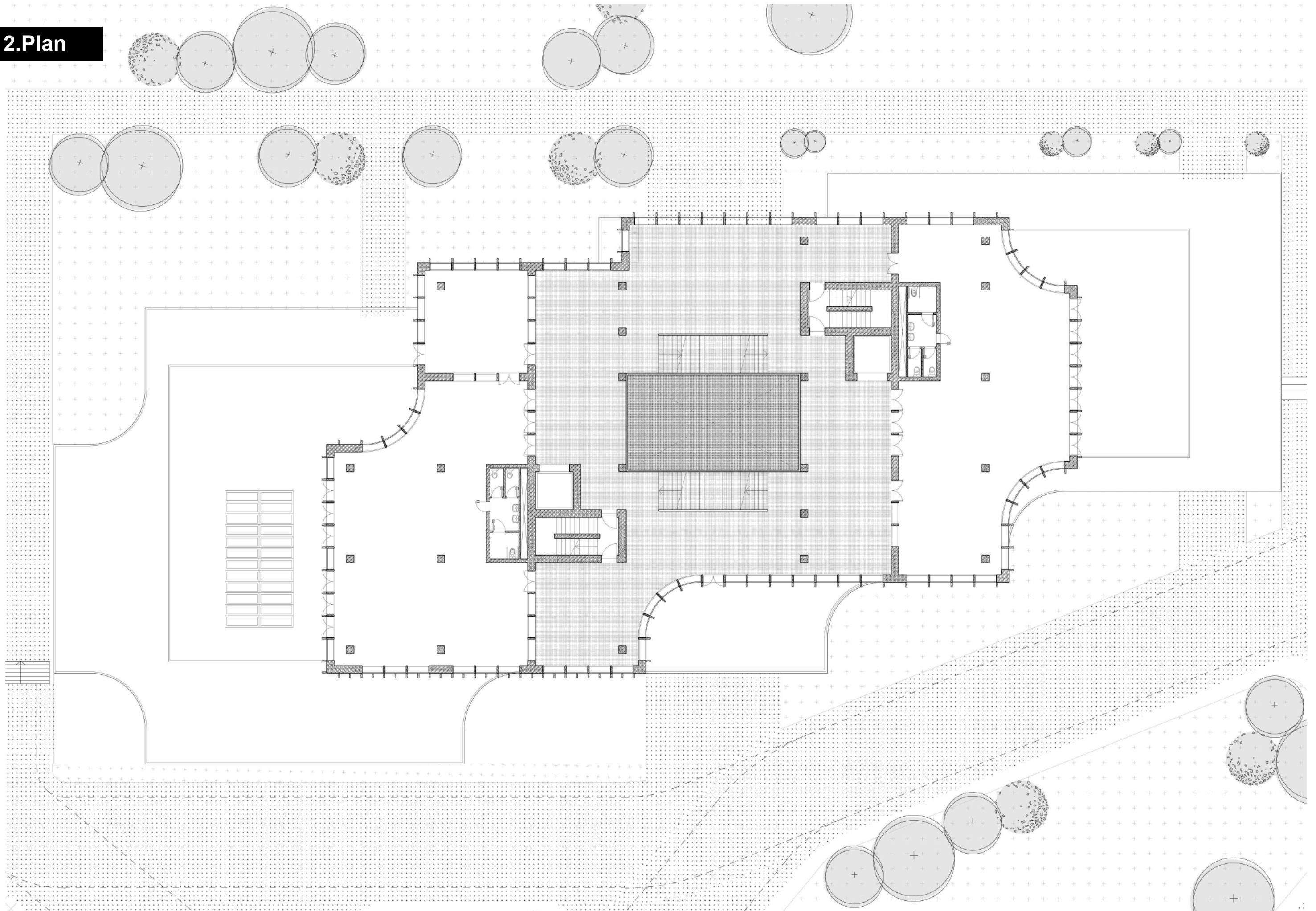
2. Plan



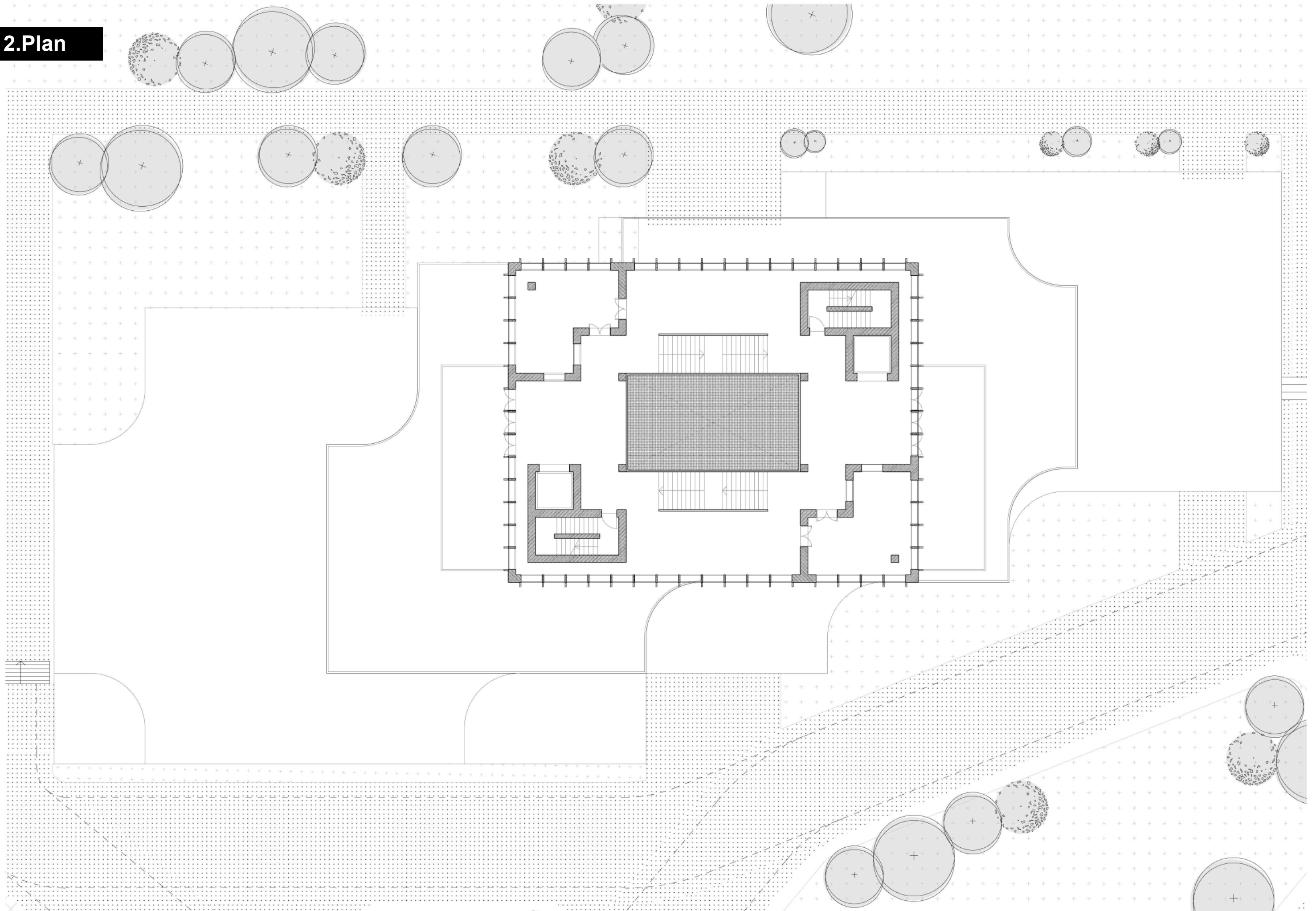
2. Plan



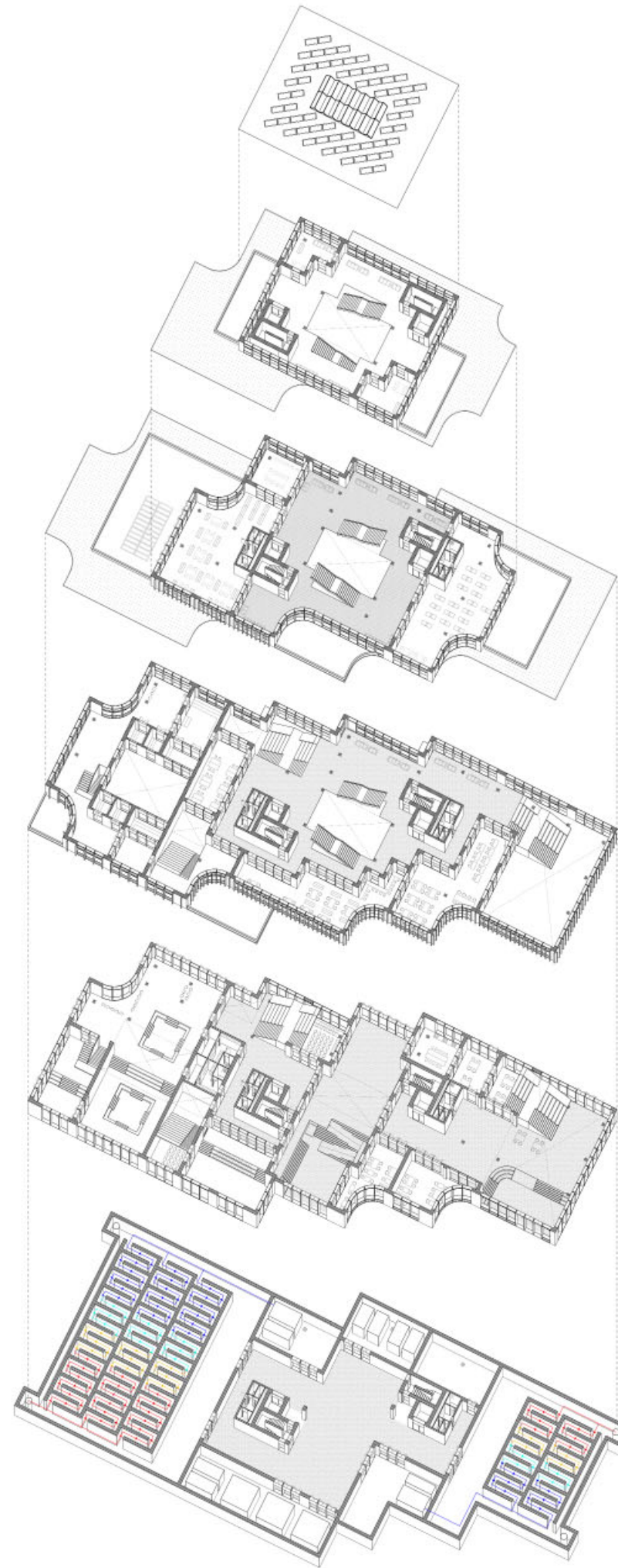
2. Plan



2. Plan



3.Exploded View:

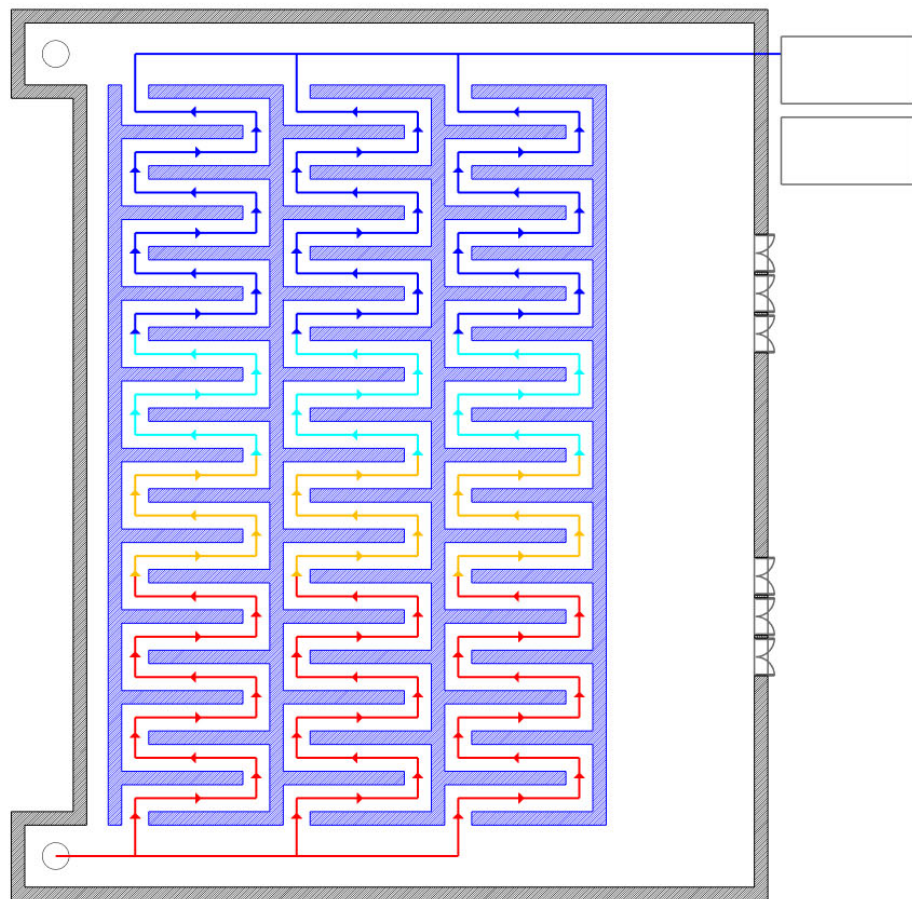


3. Building Climate: Thermal Labyrinth

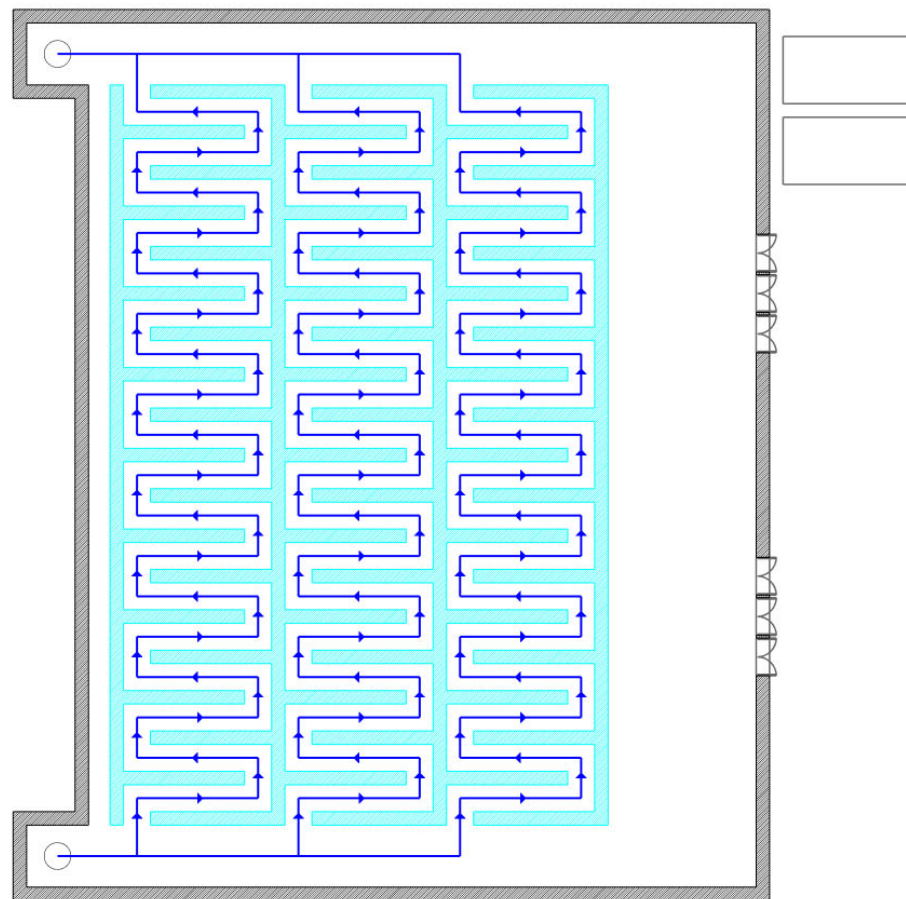


3.Building Climate: Thermal Labyrinth

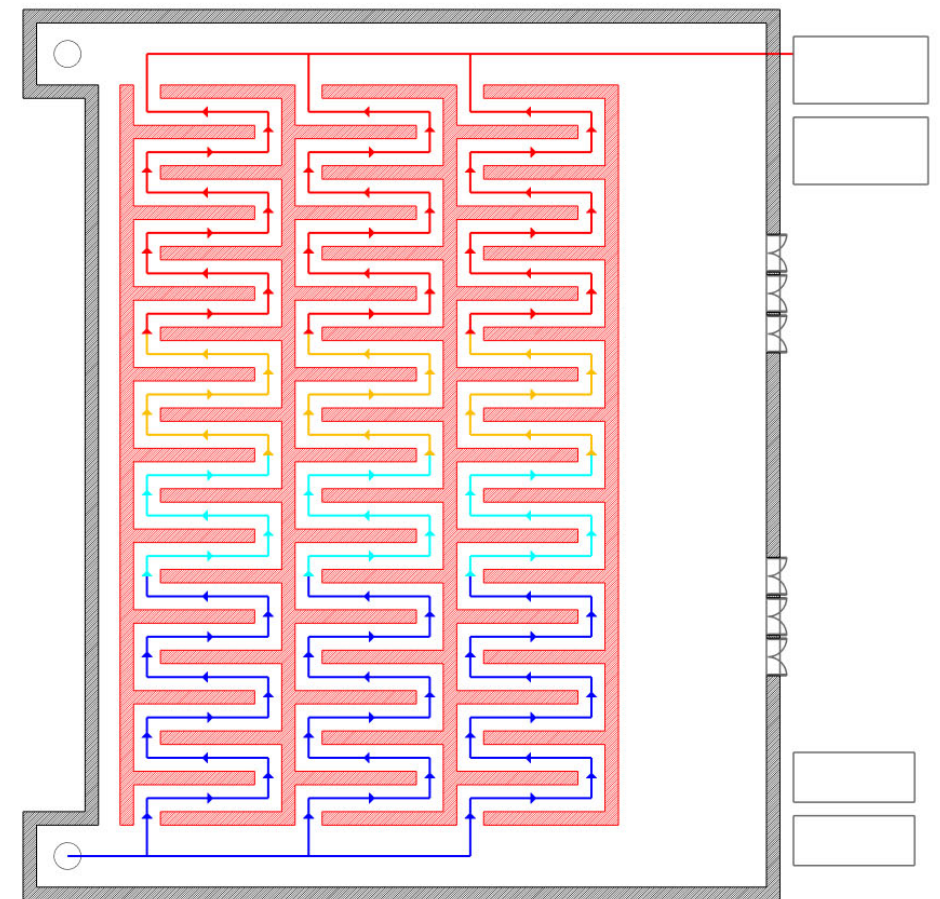
Summer - Daytime



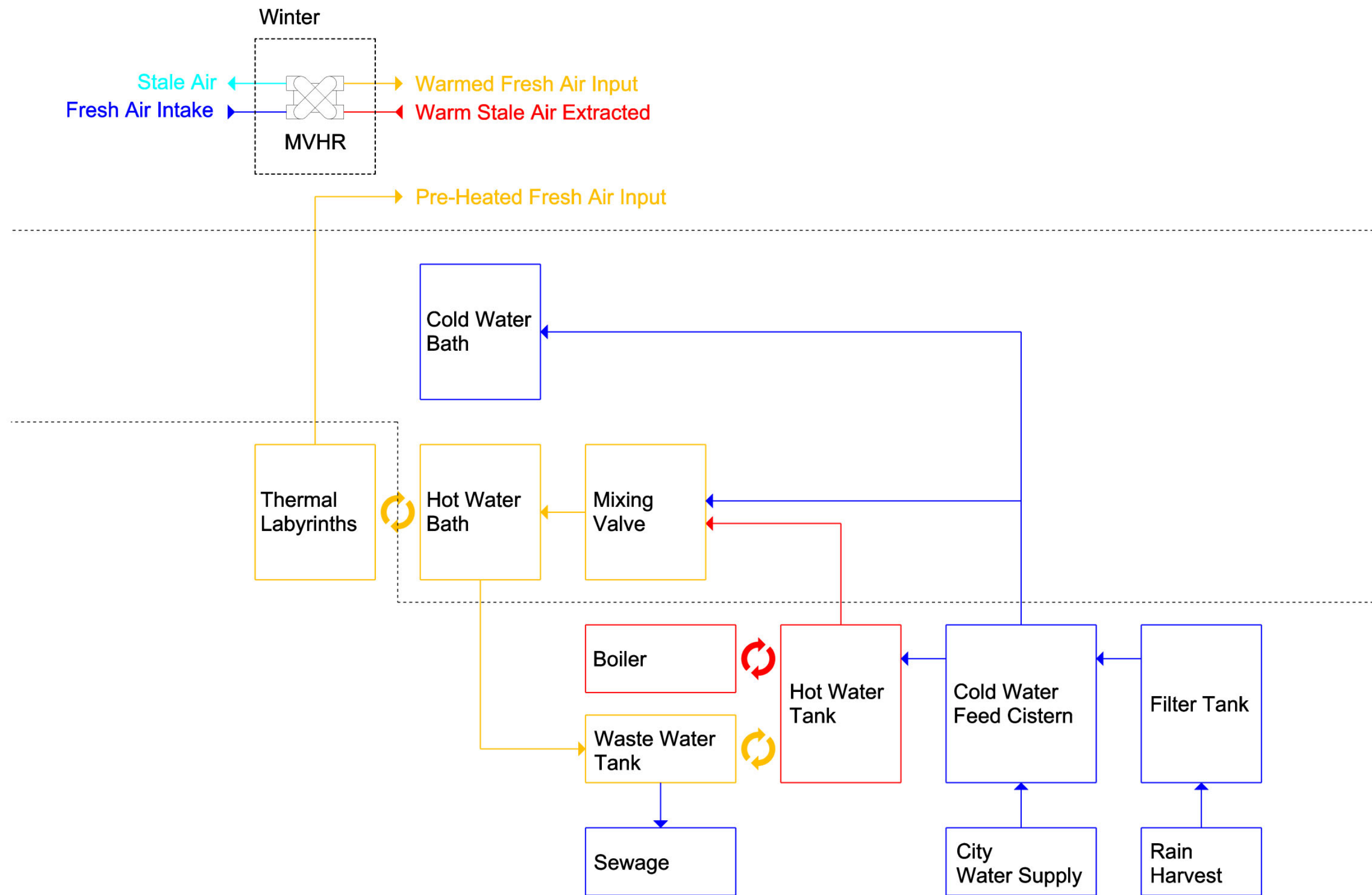
Summer - Night



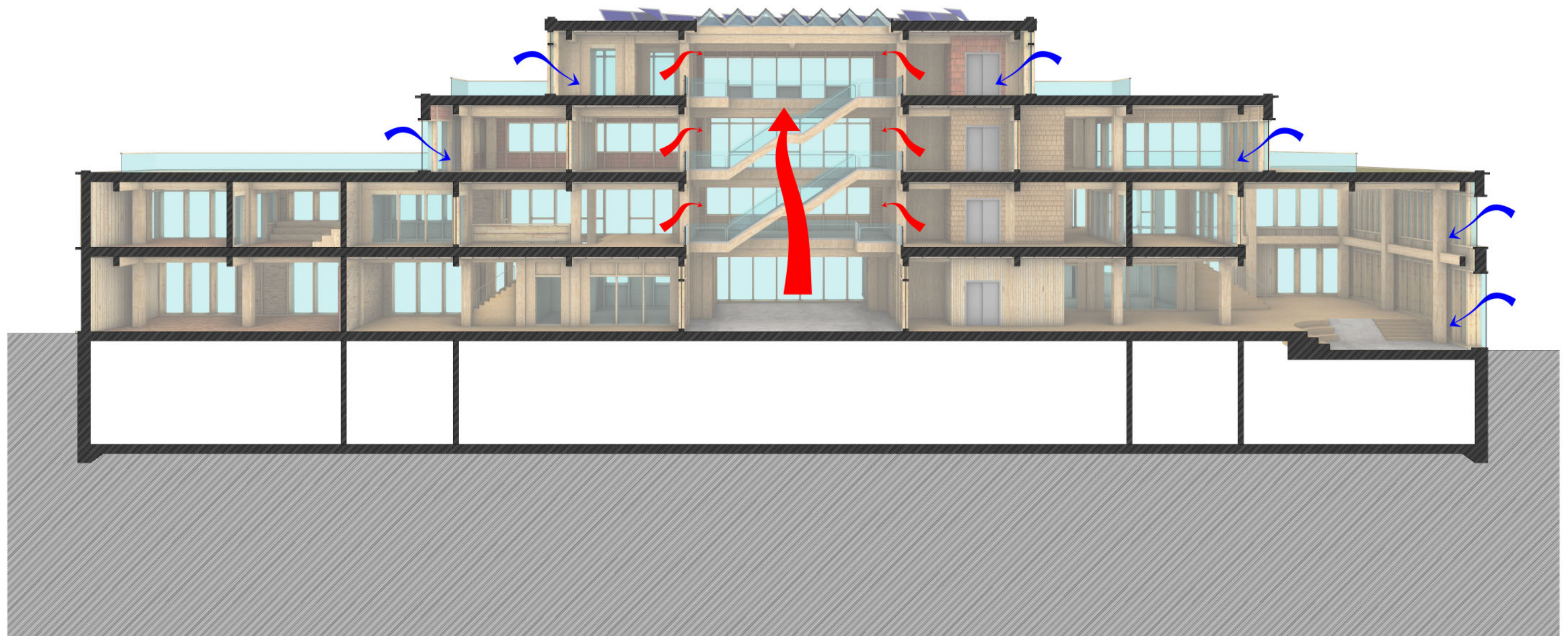
Winter



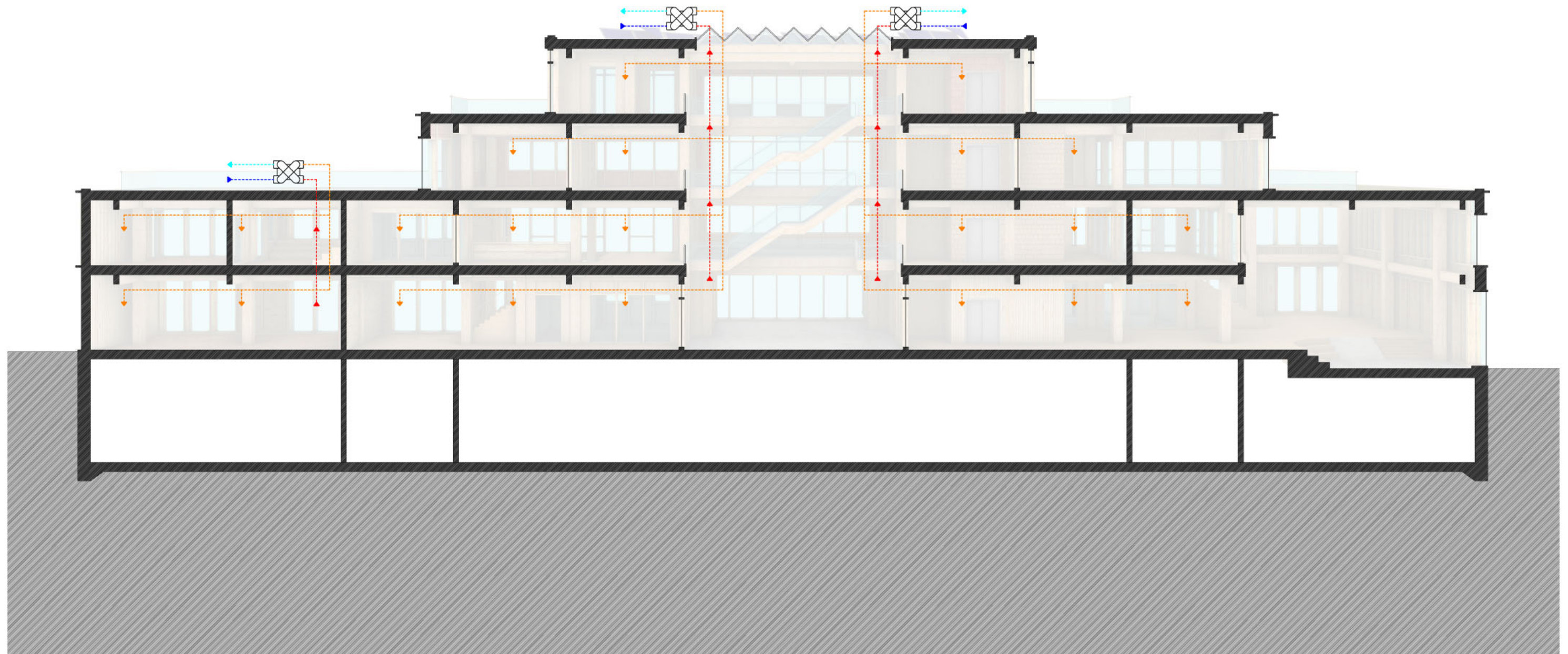
3.Building Climate: Overall Strategy



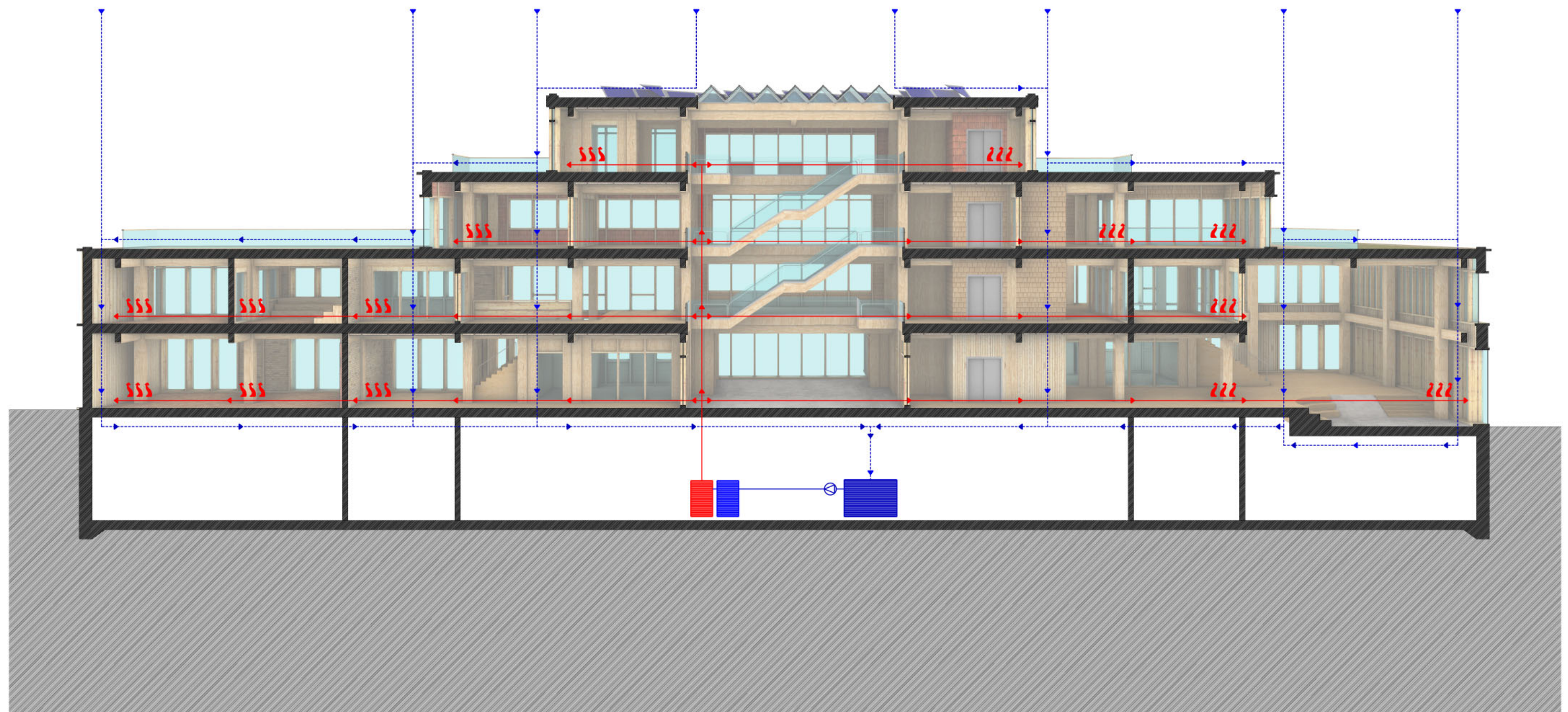
3. Building Climate: Natural Ventilation



3. Building Climate: MVHR



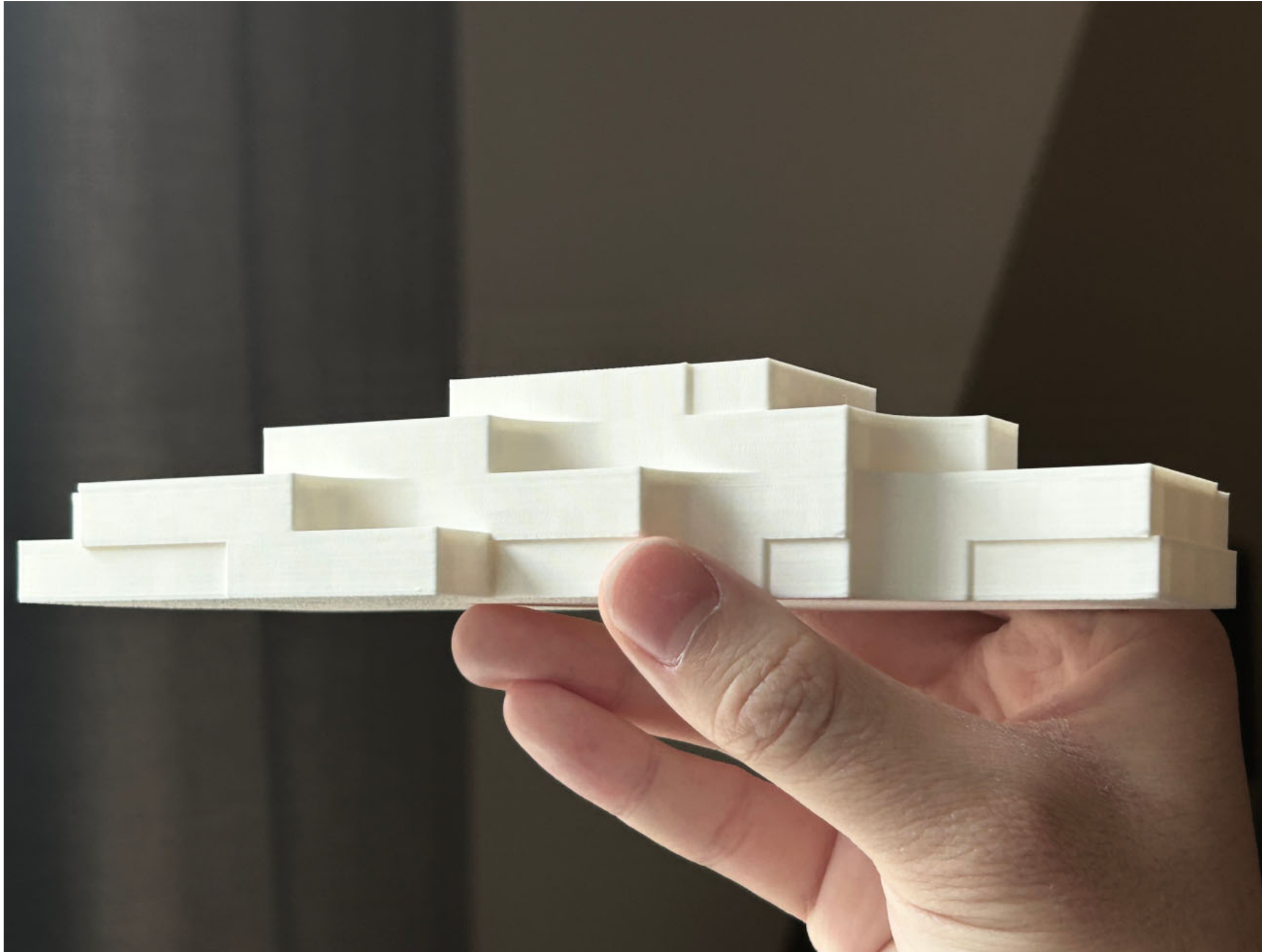
3. Building Climate: Water



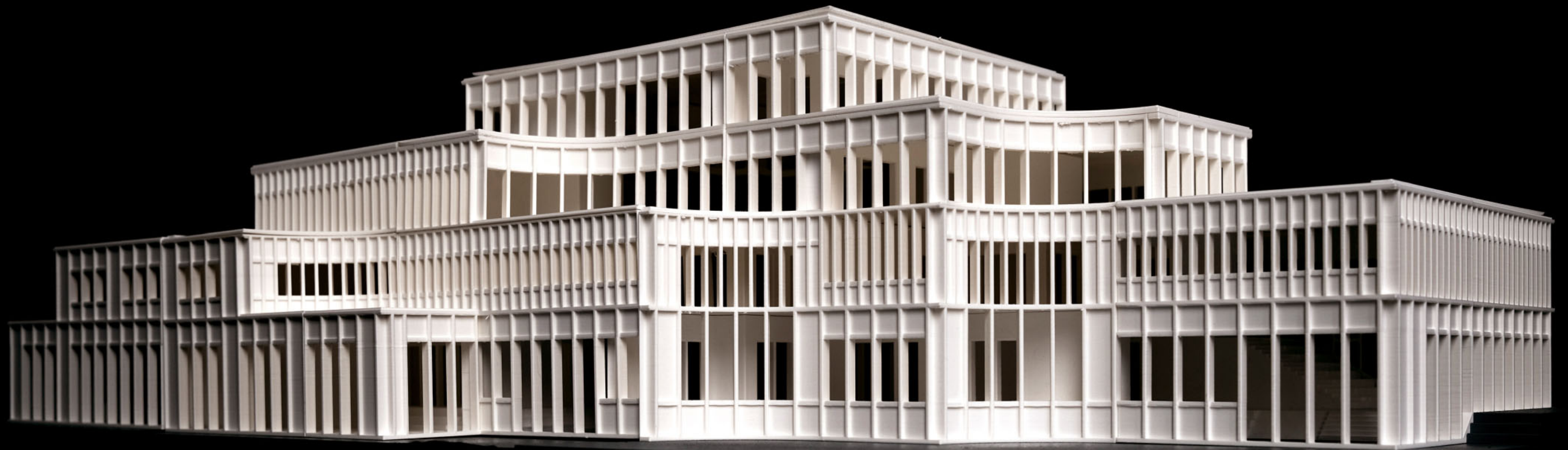
3.Cross Section:



4.Perspective View from Campus:



4.Perspective View from Campus:



4.Perspective View from Campus:



4.Perspective View from Campus:



4.Perspective View from Campus:



4.Perspective View from Campus:



4.Perspective View from West Street:



4.Perspective View from East Street:



4.Perspective View from Park:



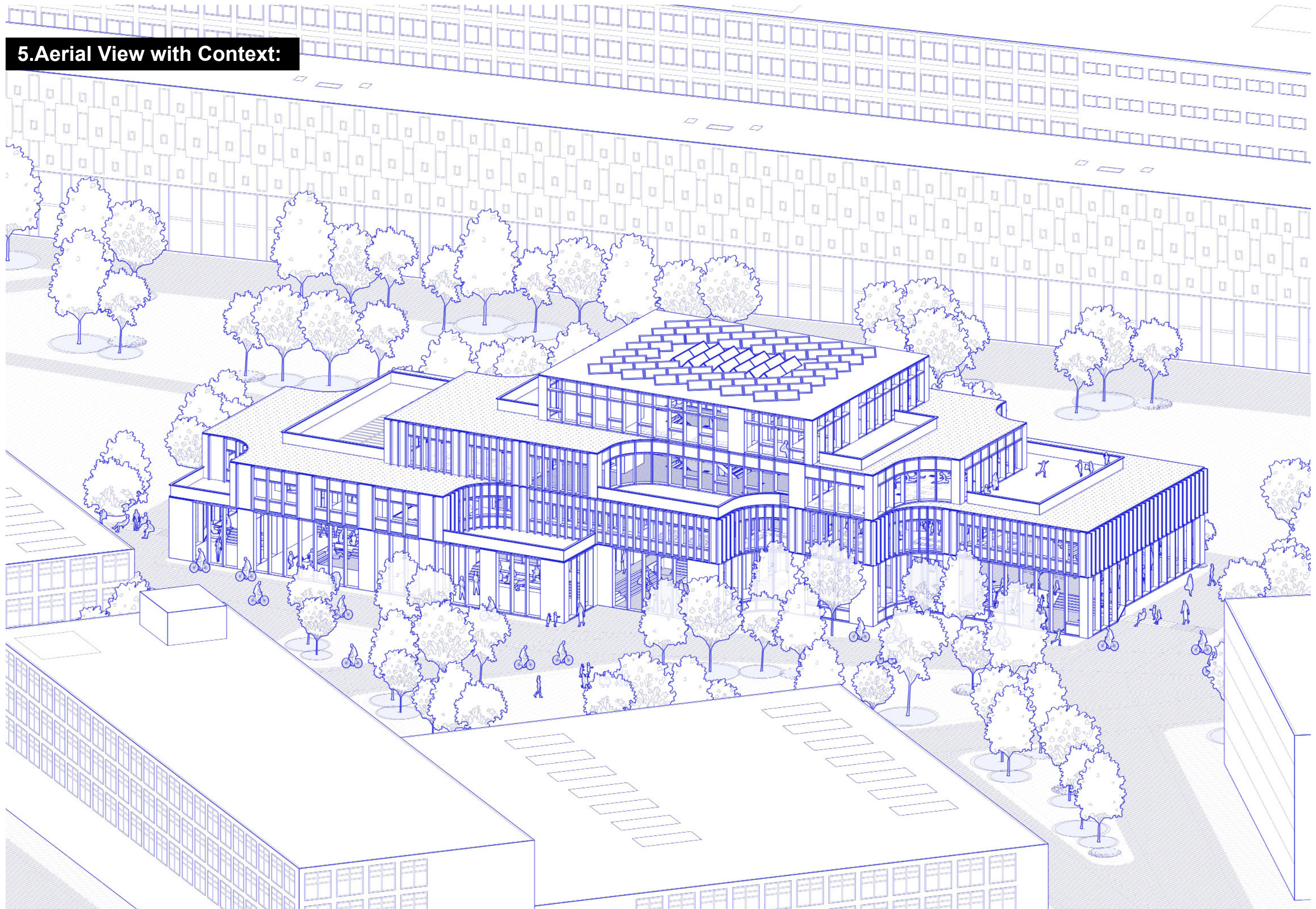
4.Perspective View from Park:



4.Perspective View from Park:



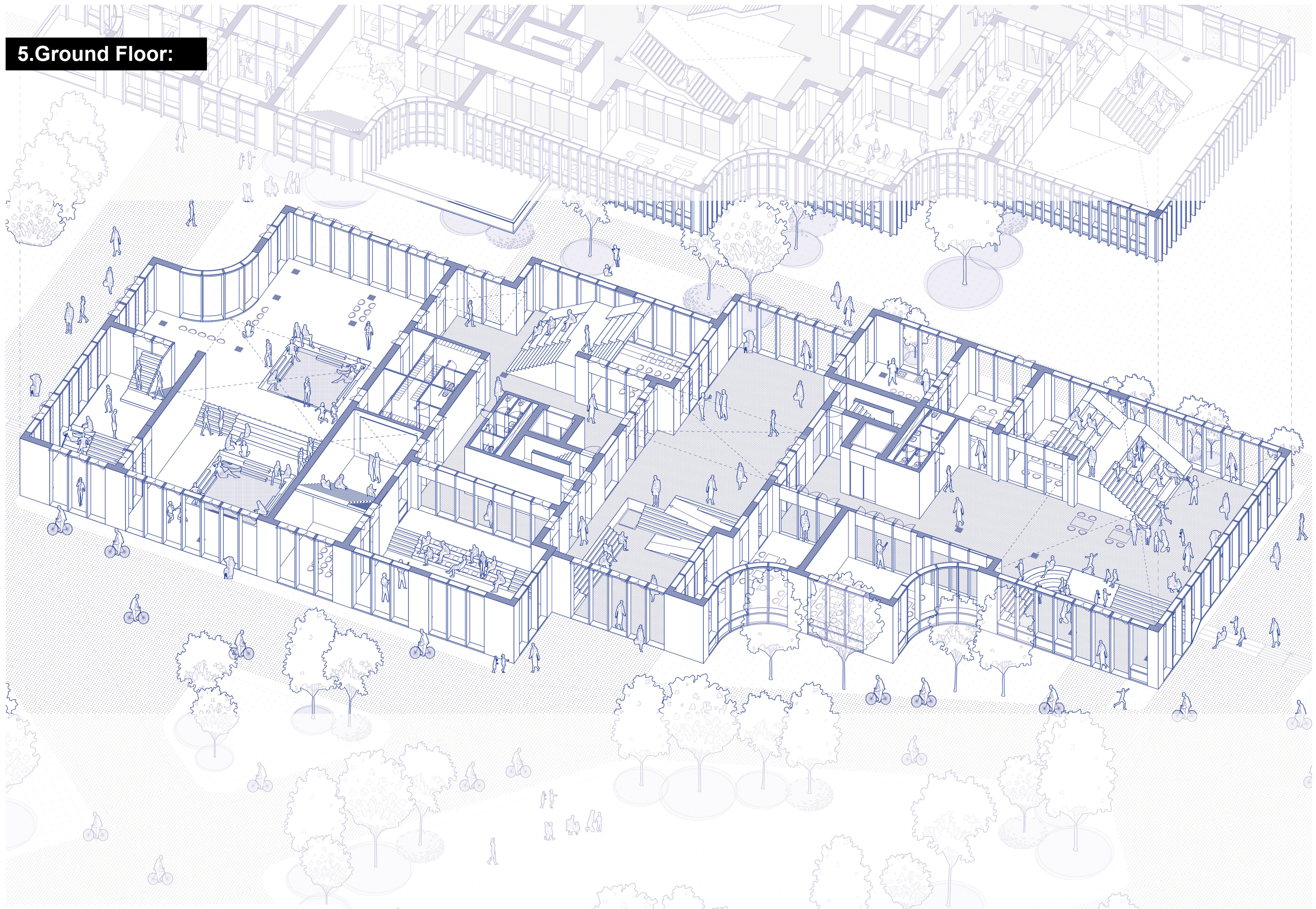
5.Aerial View with Context:



5.Exploded View:



5. Ground Floor:



5. Ground Floor: Bath House



5. Ground Floor: Bath House



5. Ground Floor: Bath House



5. Passage:



5. Passage:



5.Lobby (East Wing):



5.Lobby (East Wing):



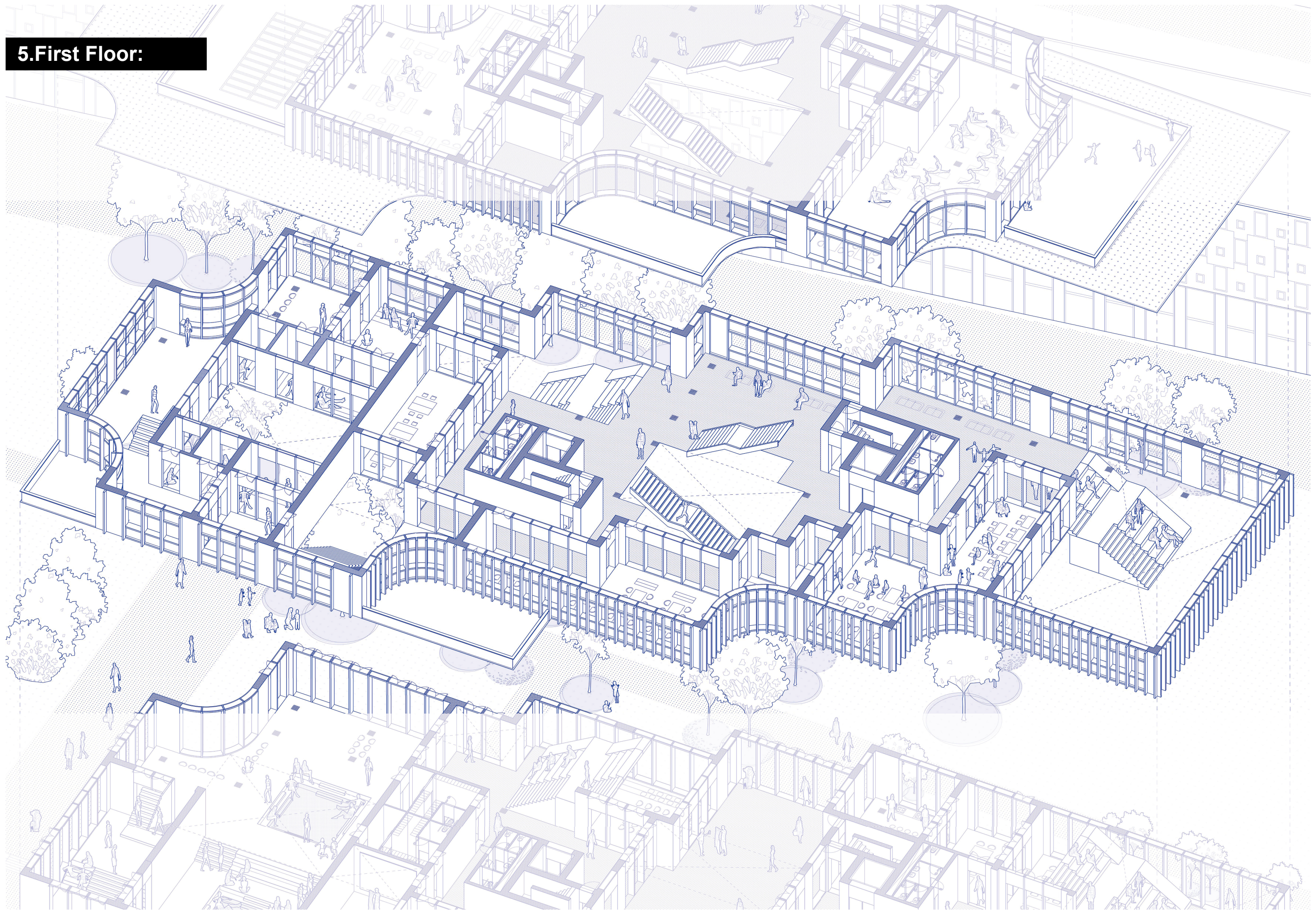
5.Lobby (East Wing):



5.Lobby (East Wing):



5.First Floor:



5.Atrium:



5.Atrium:



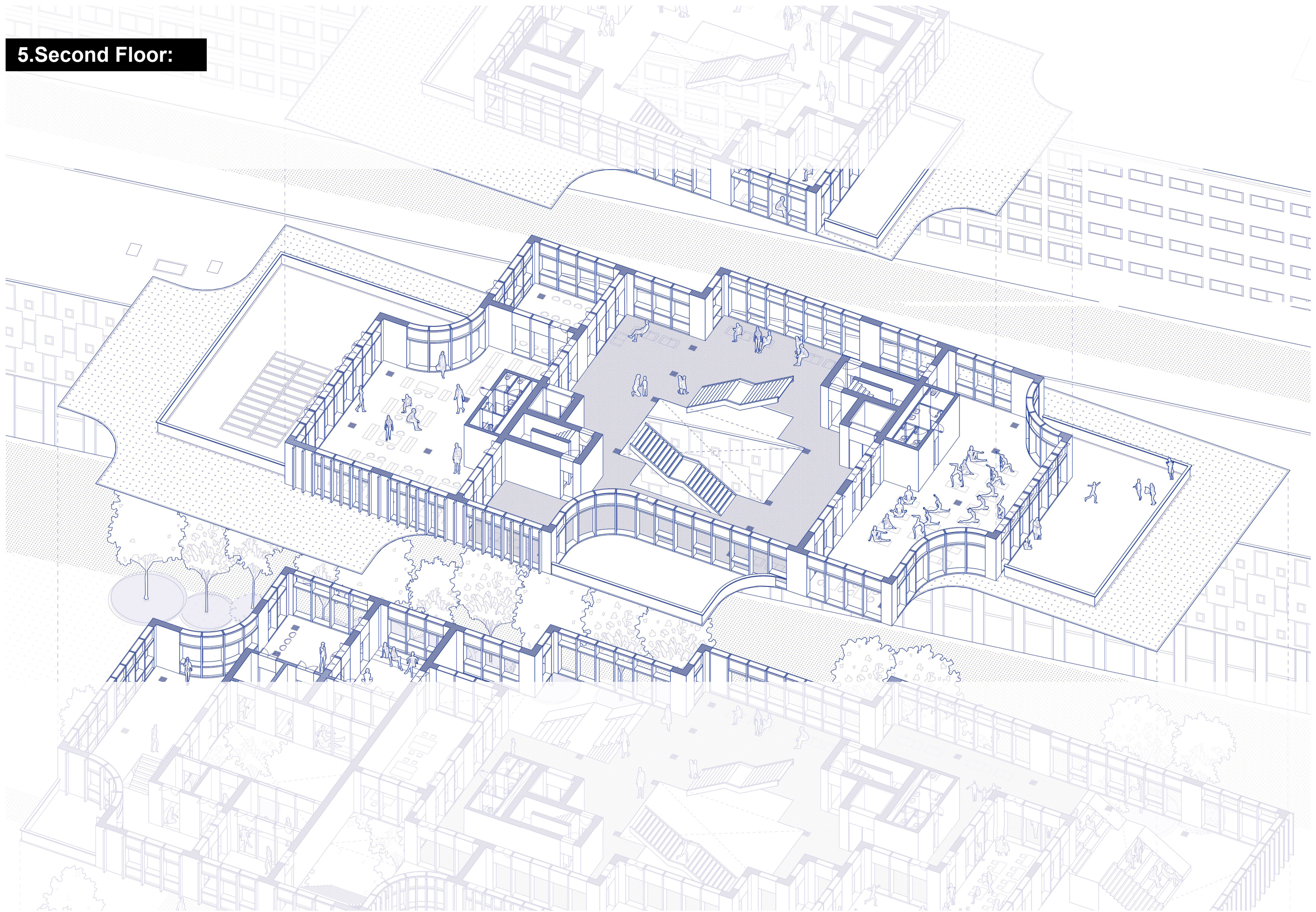
5.Atrium:



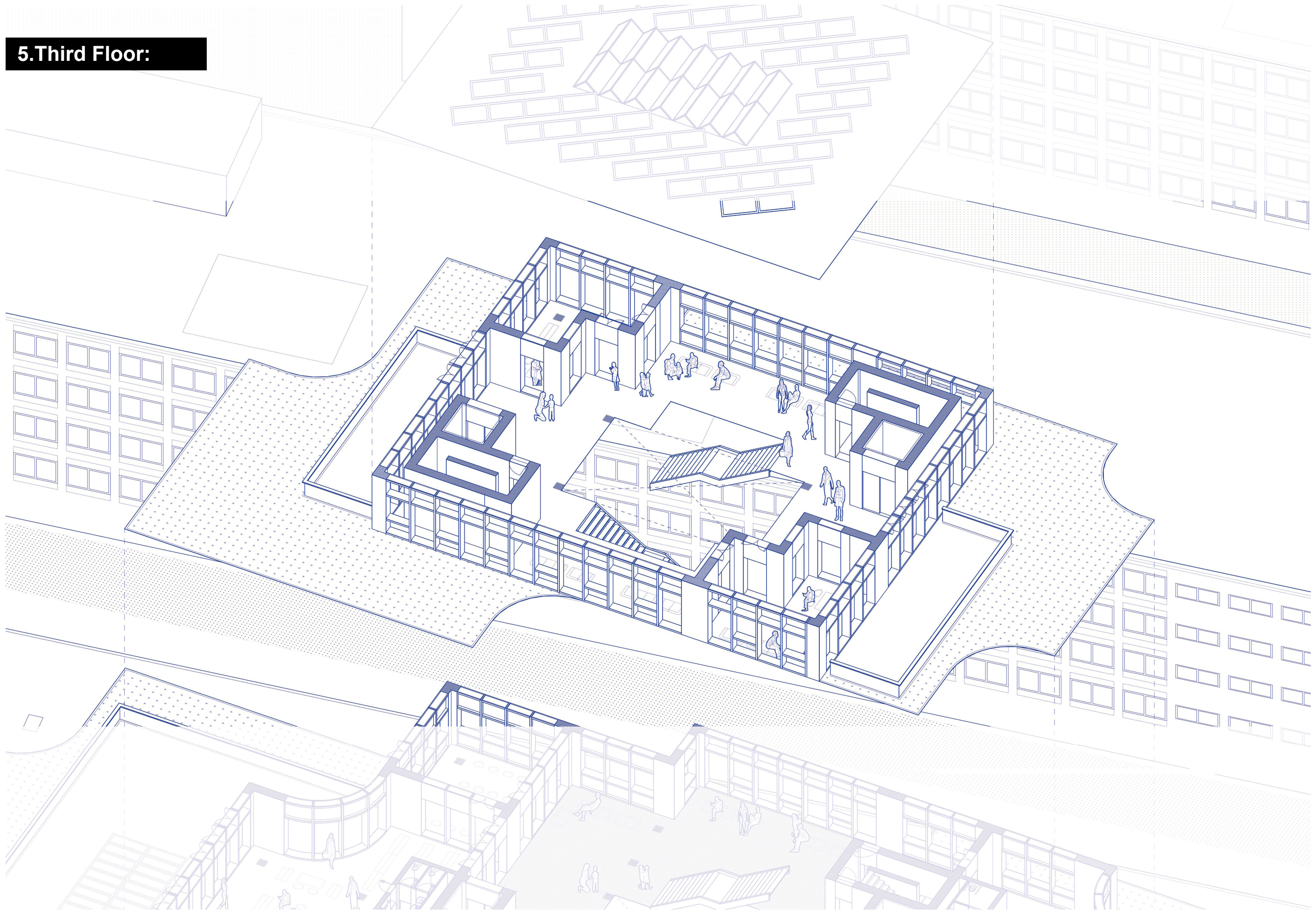
5.Atrium:



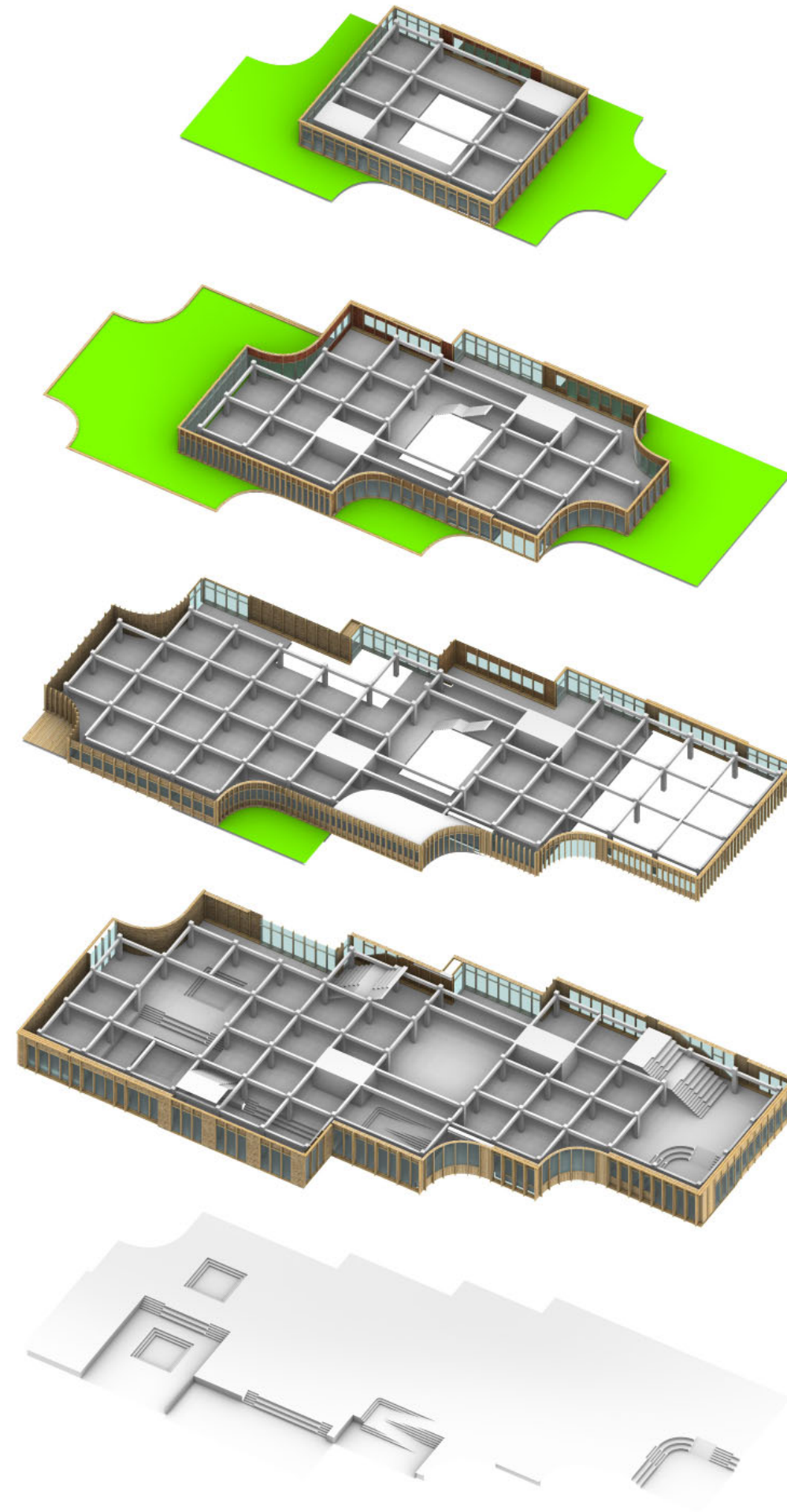
5.Second Floor:



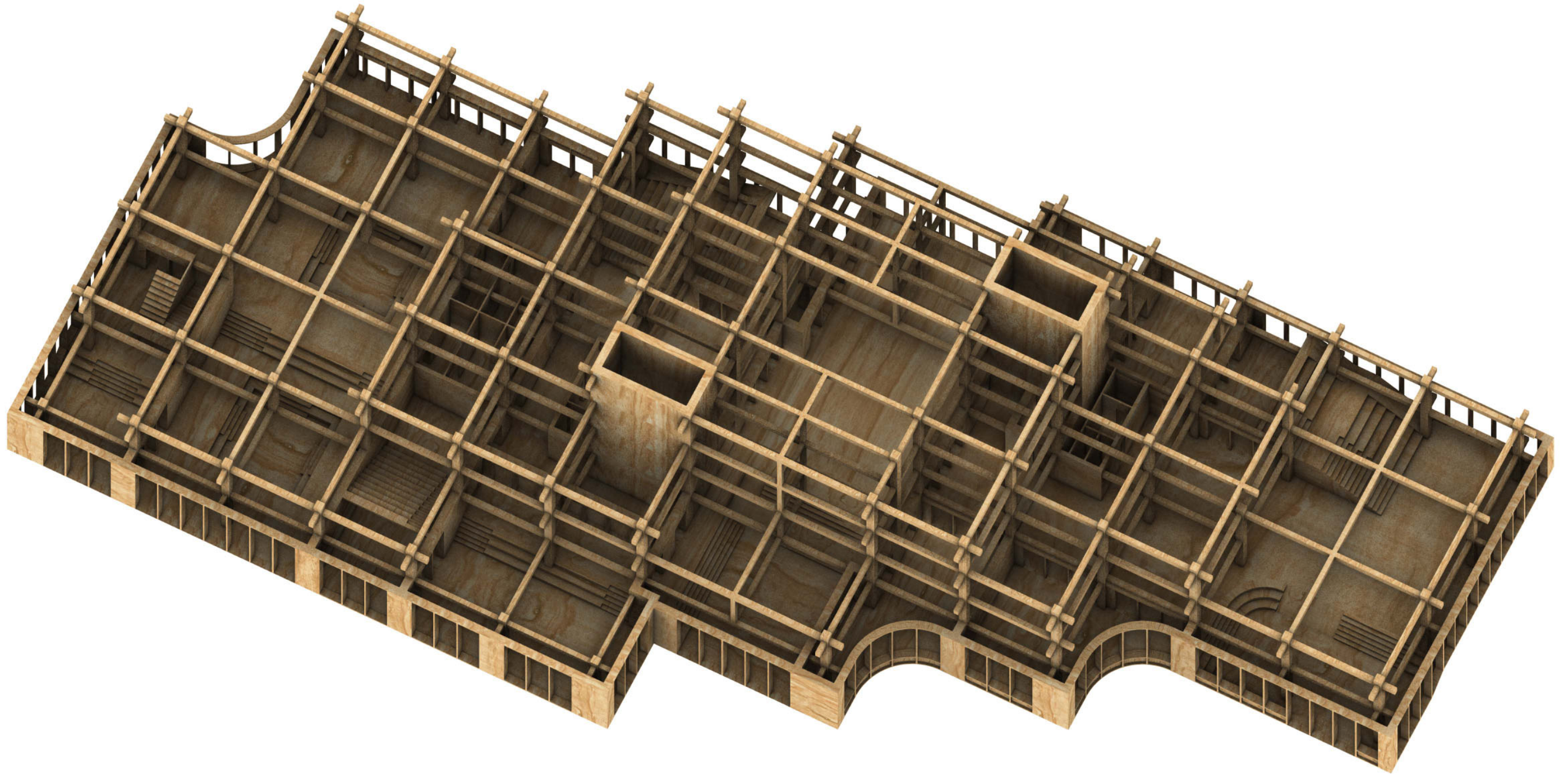
5.Third Floor:



6. Structure System:

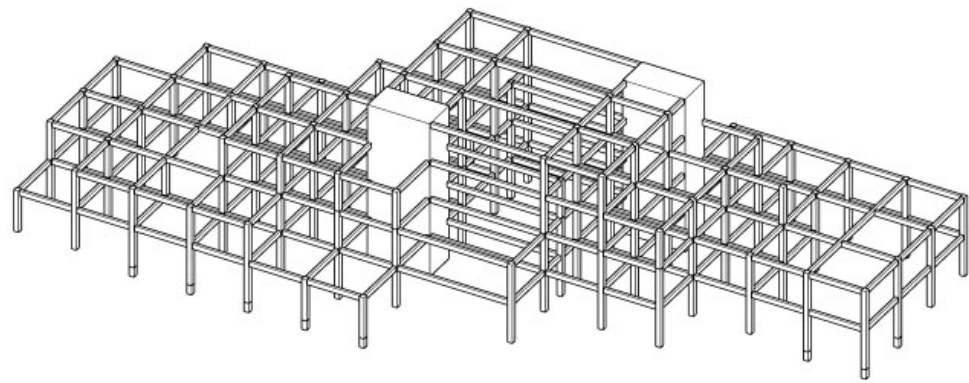


6. Structure System:

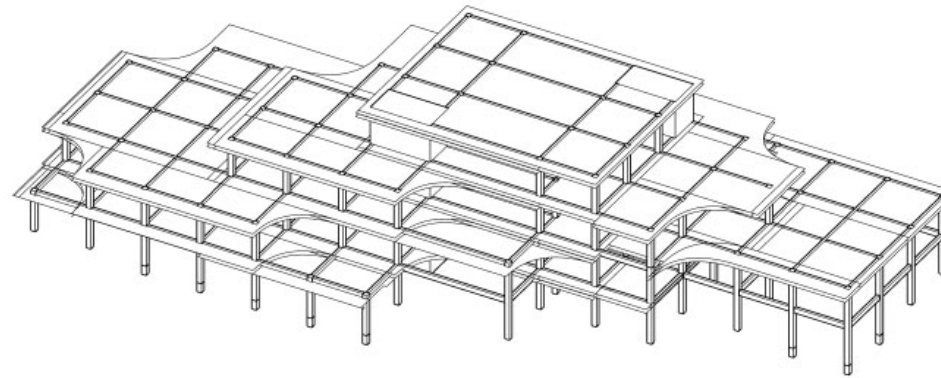


Glulam Column-Beam.

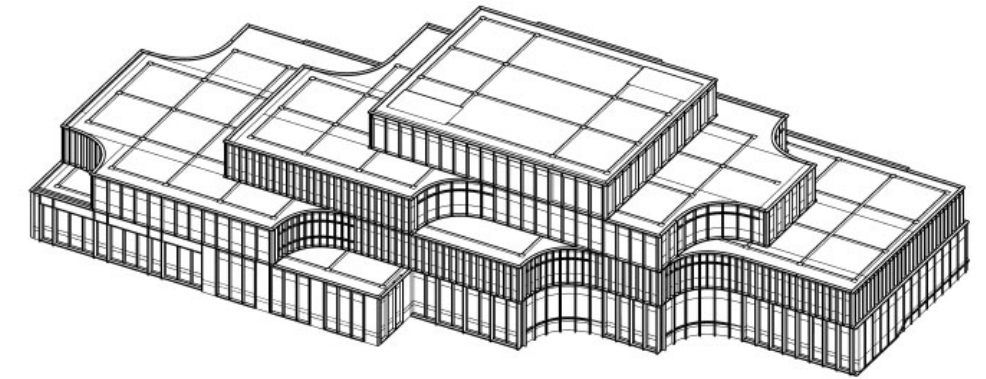
6. Structure System:



- Glulam Structure Grid with CLT Cores.

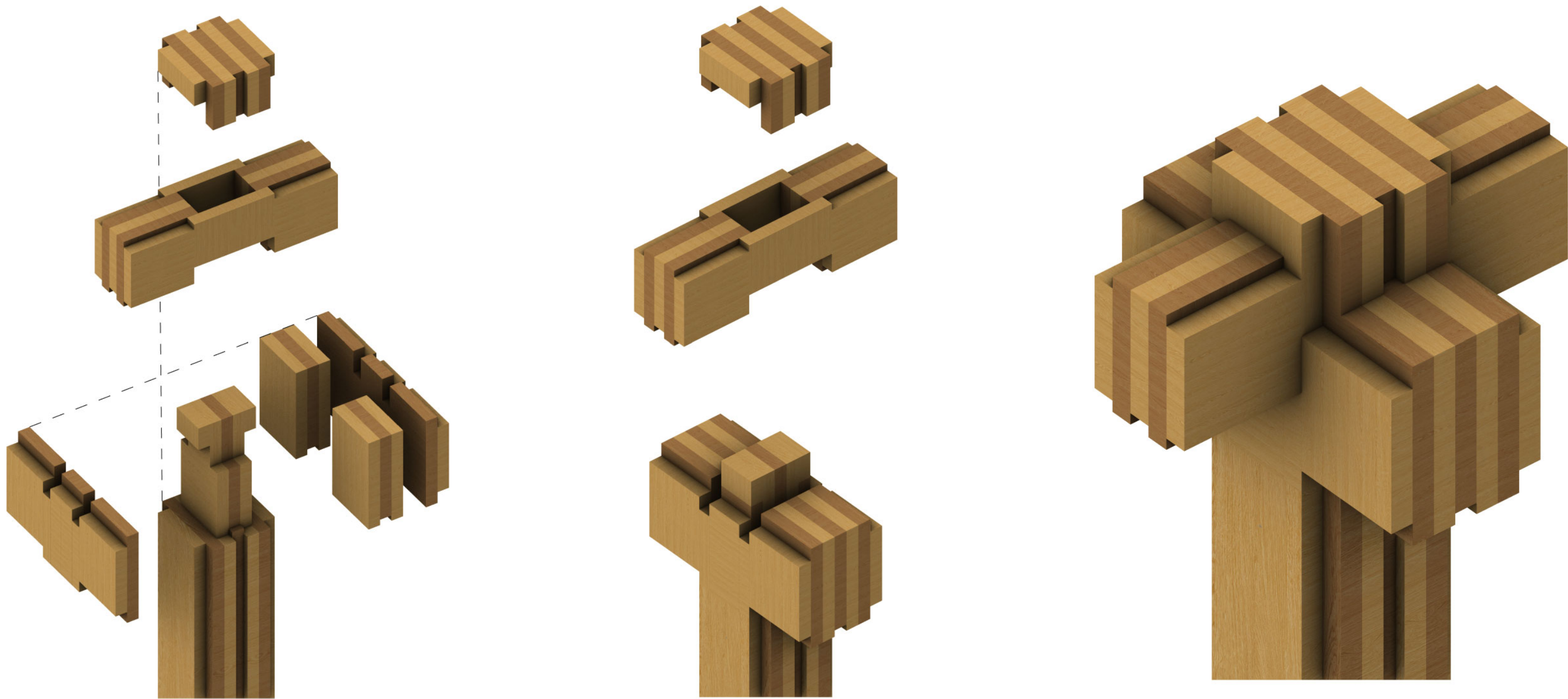


- CLT Floor System.



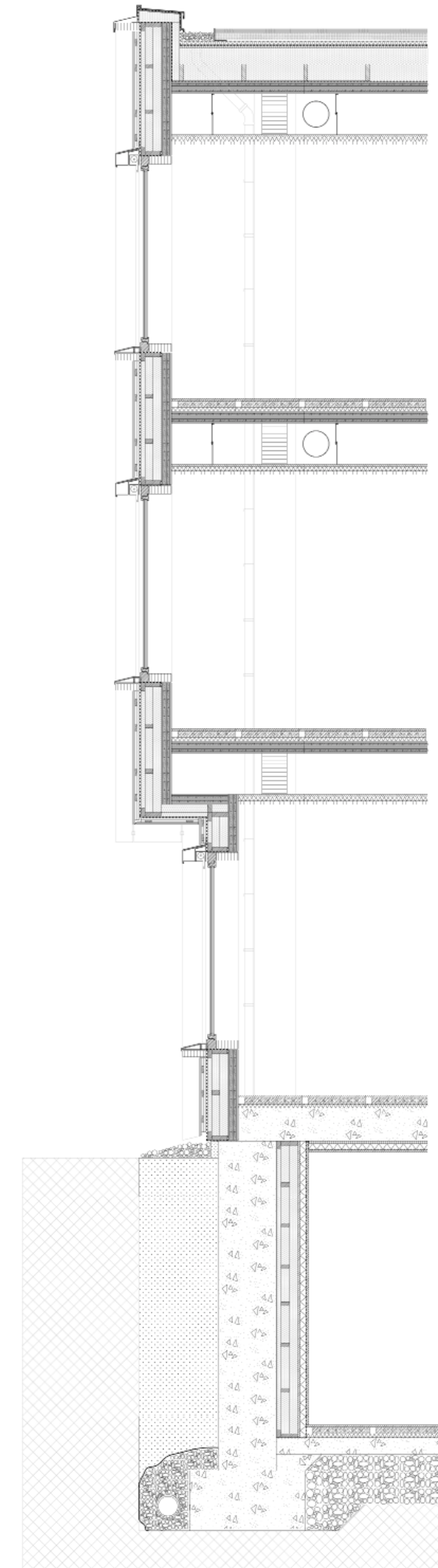
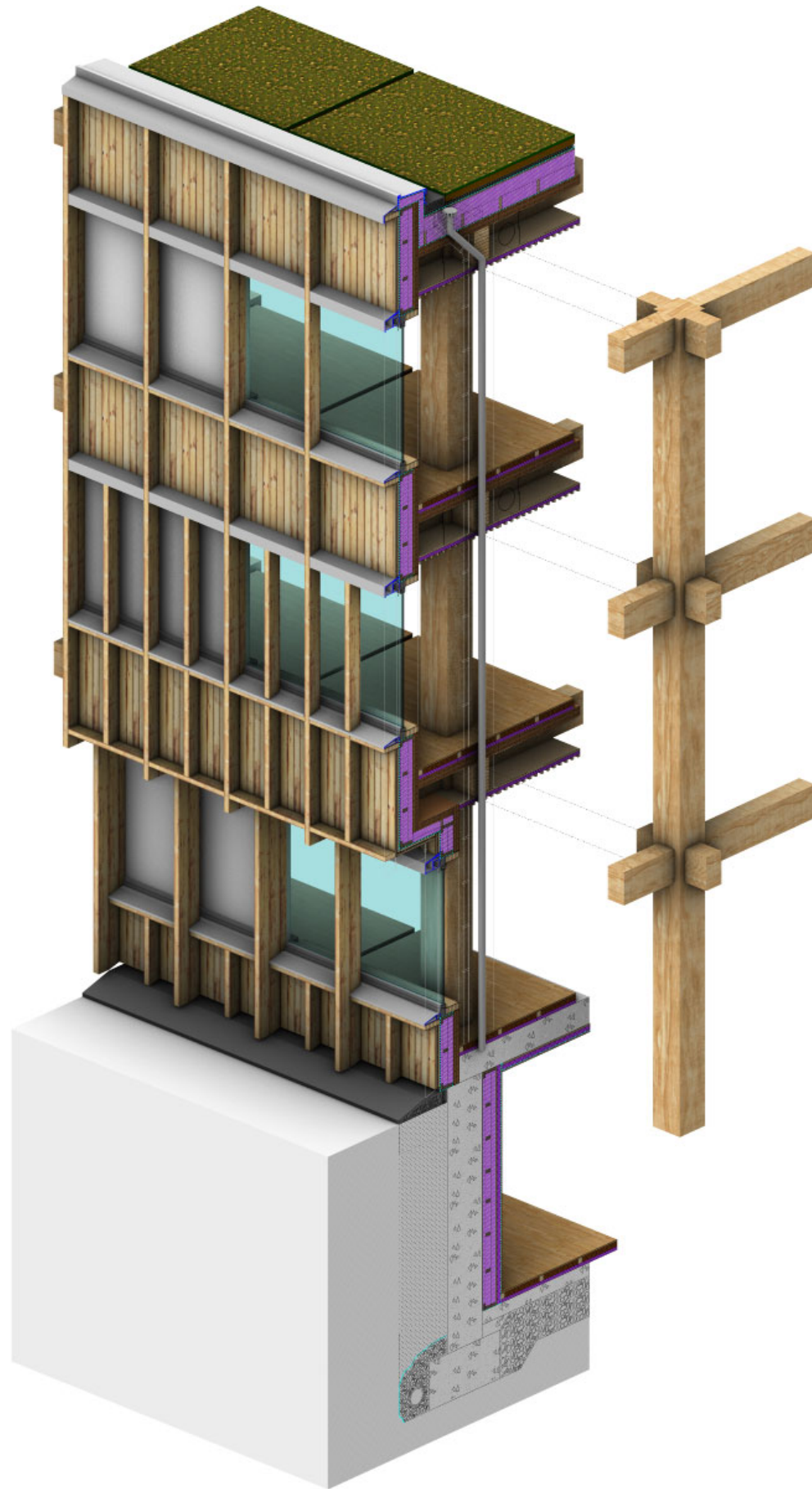
- Wood Cladding system.

6. Structure Joint:

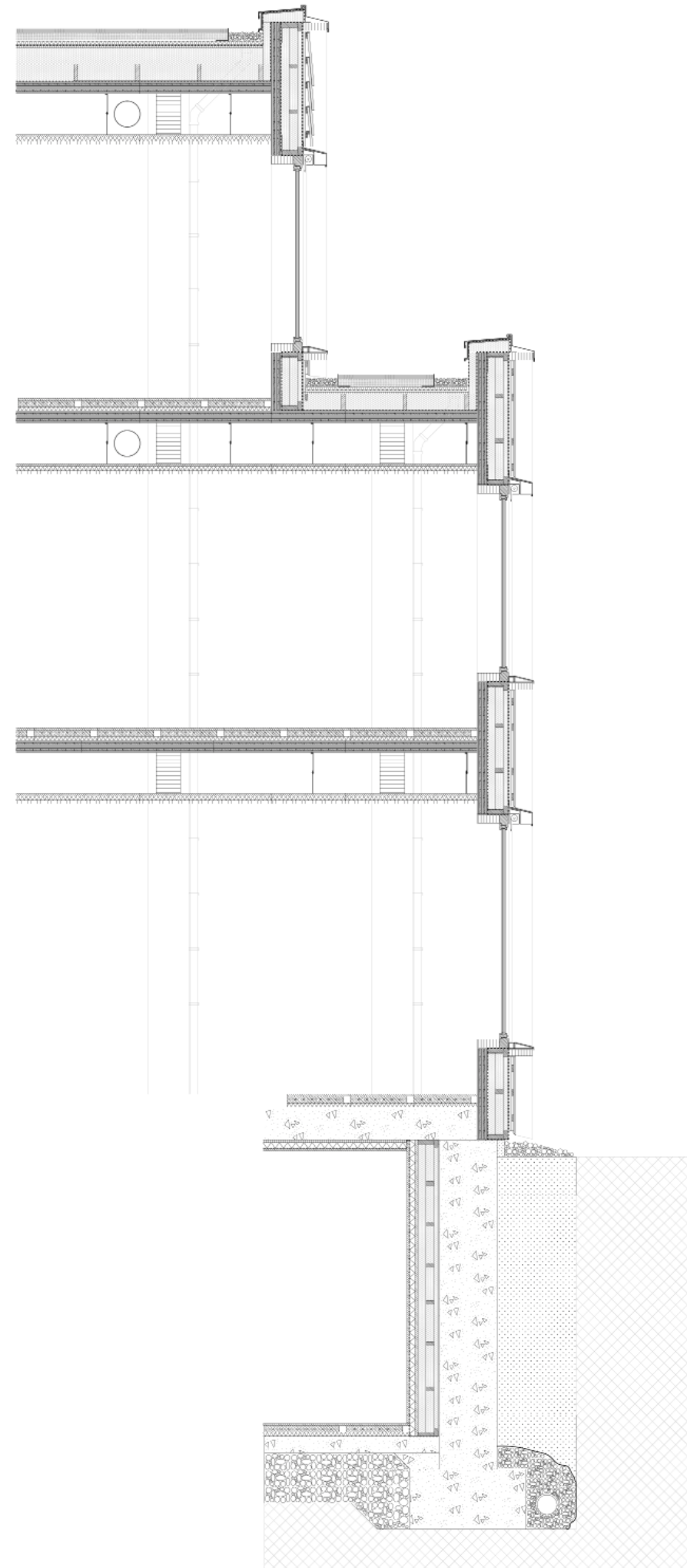
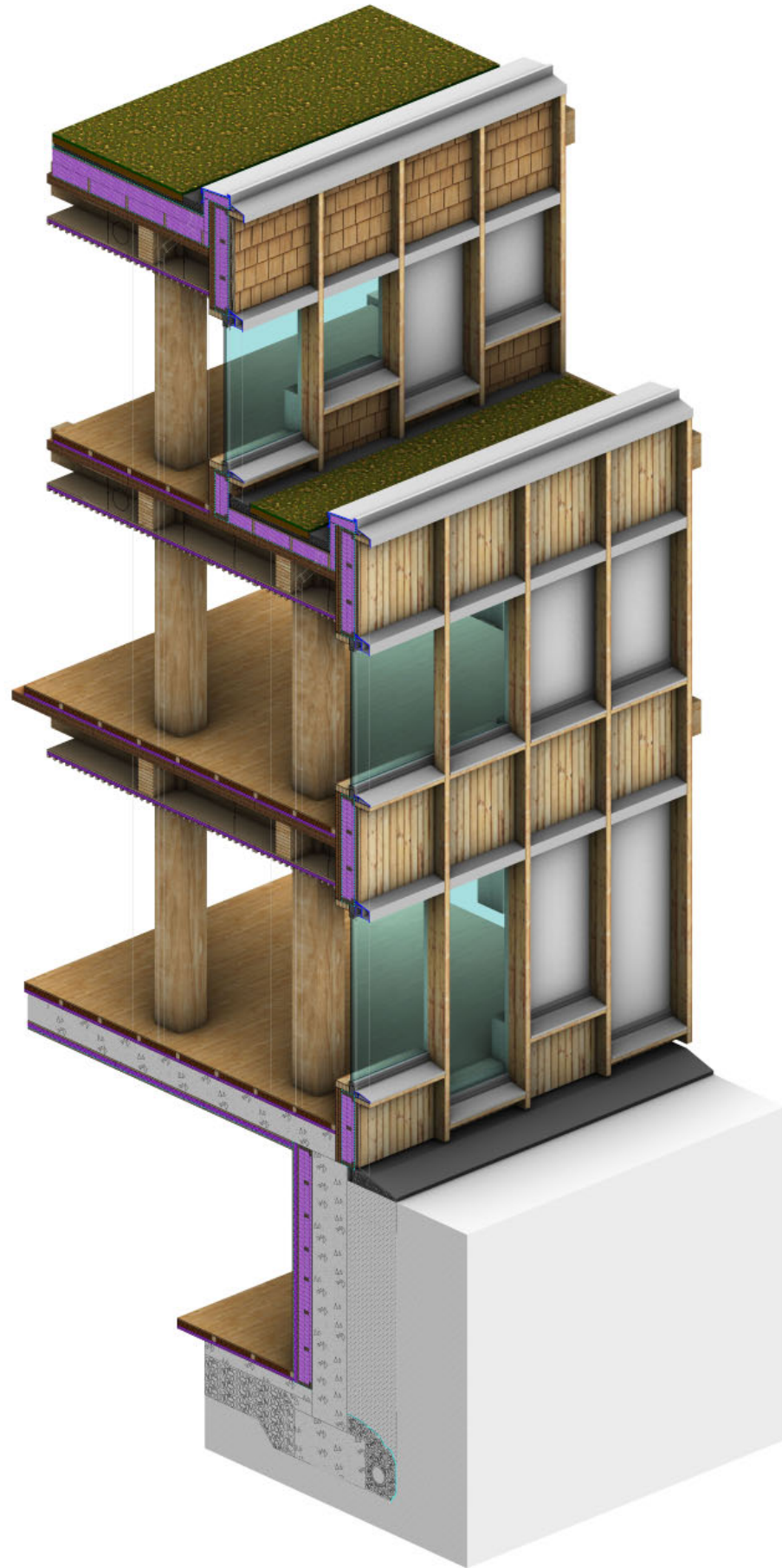


- 7-Layer Glulam Column and Primary Beam + 5-Layer Glulam Secondary Beam.

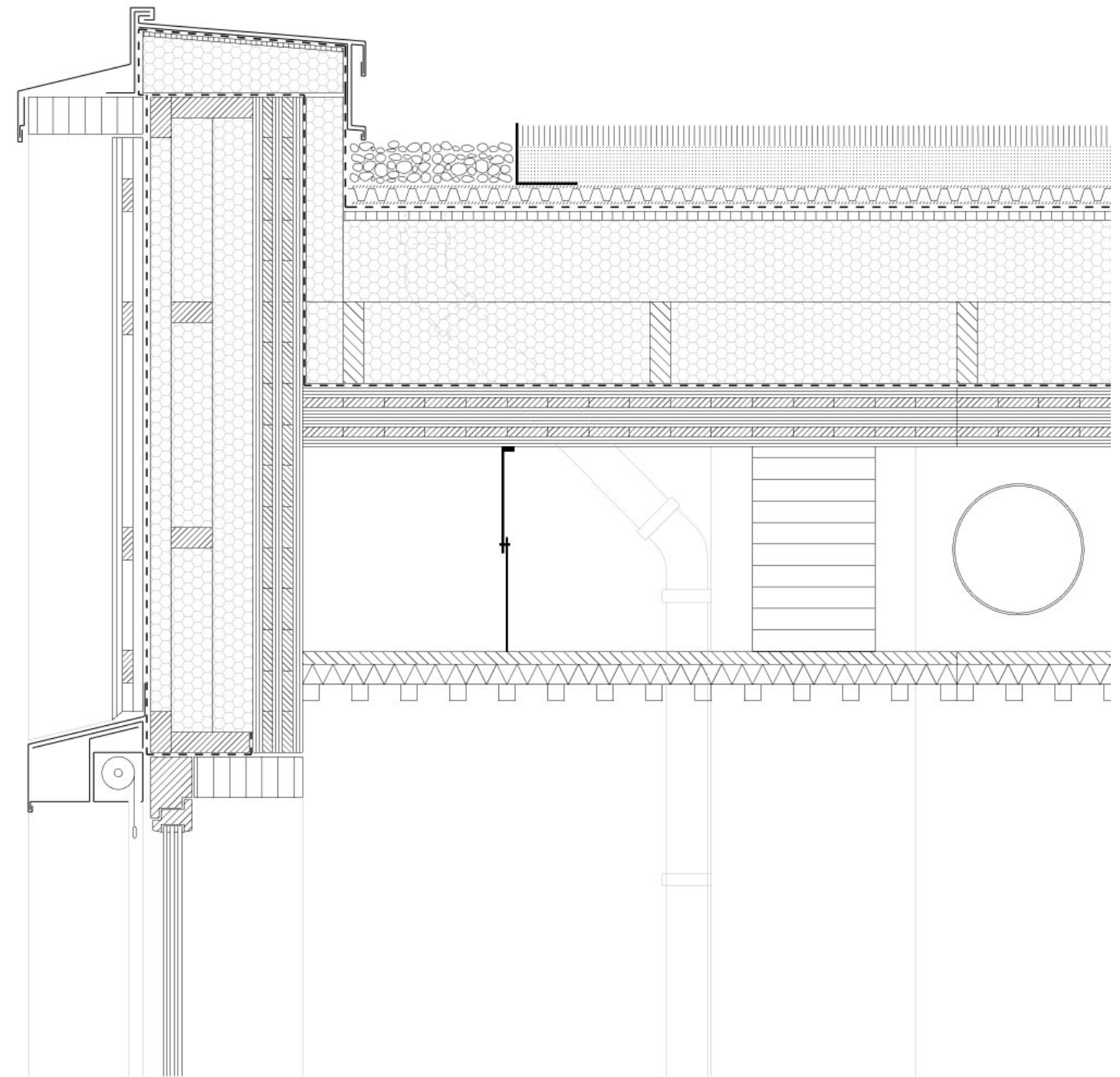
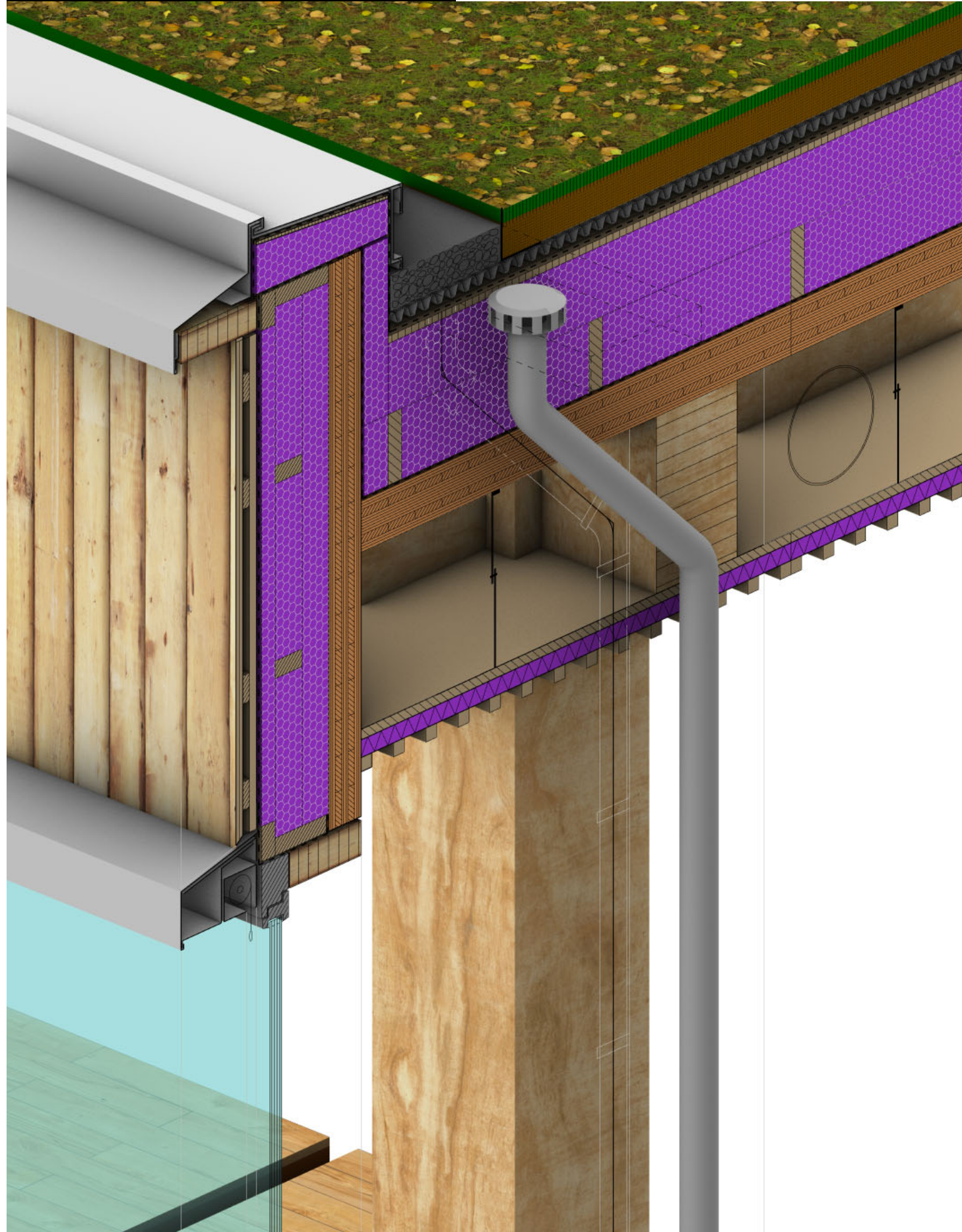
6.Details and 3D Fragment:



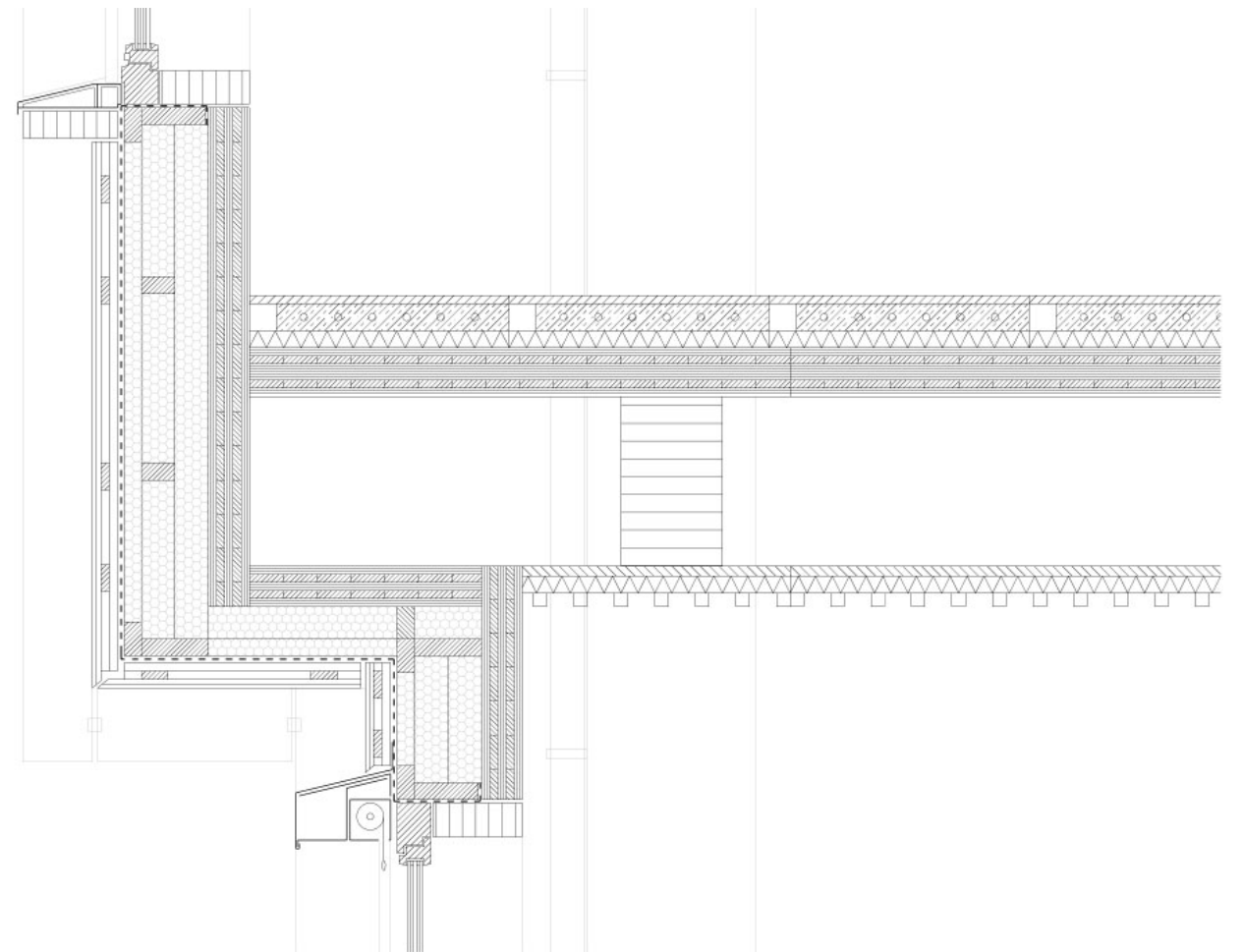
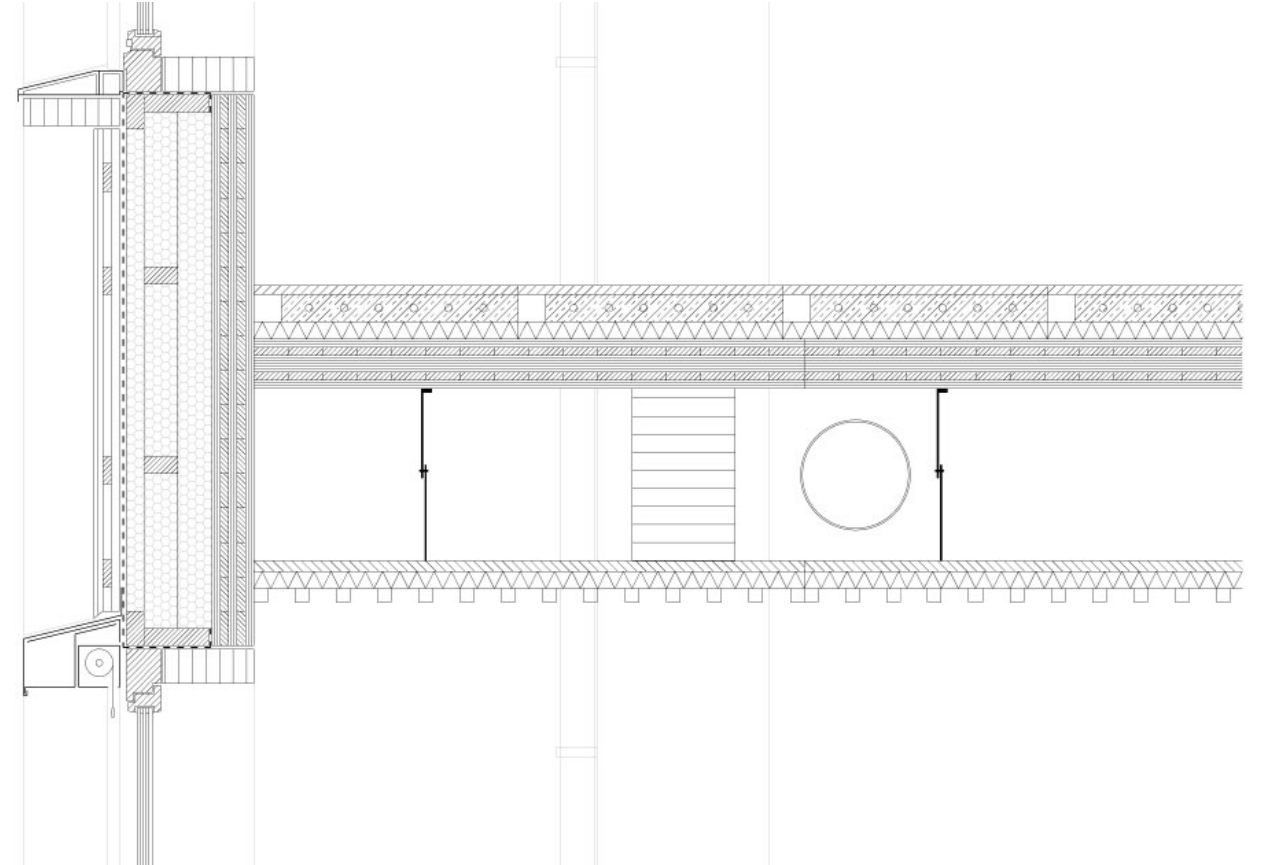
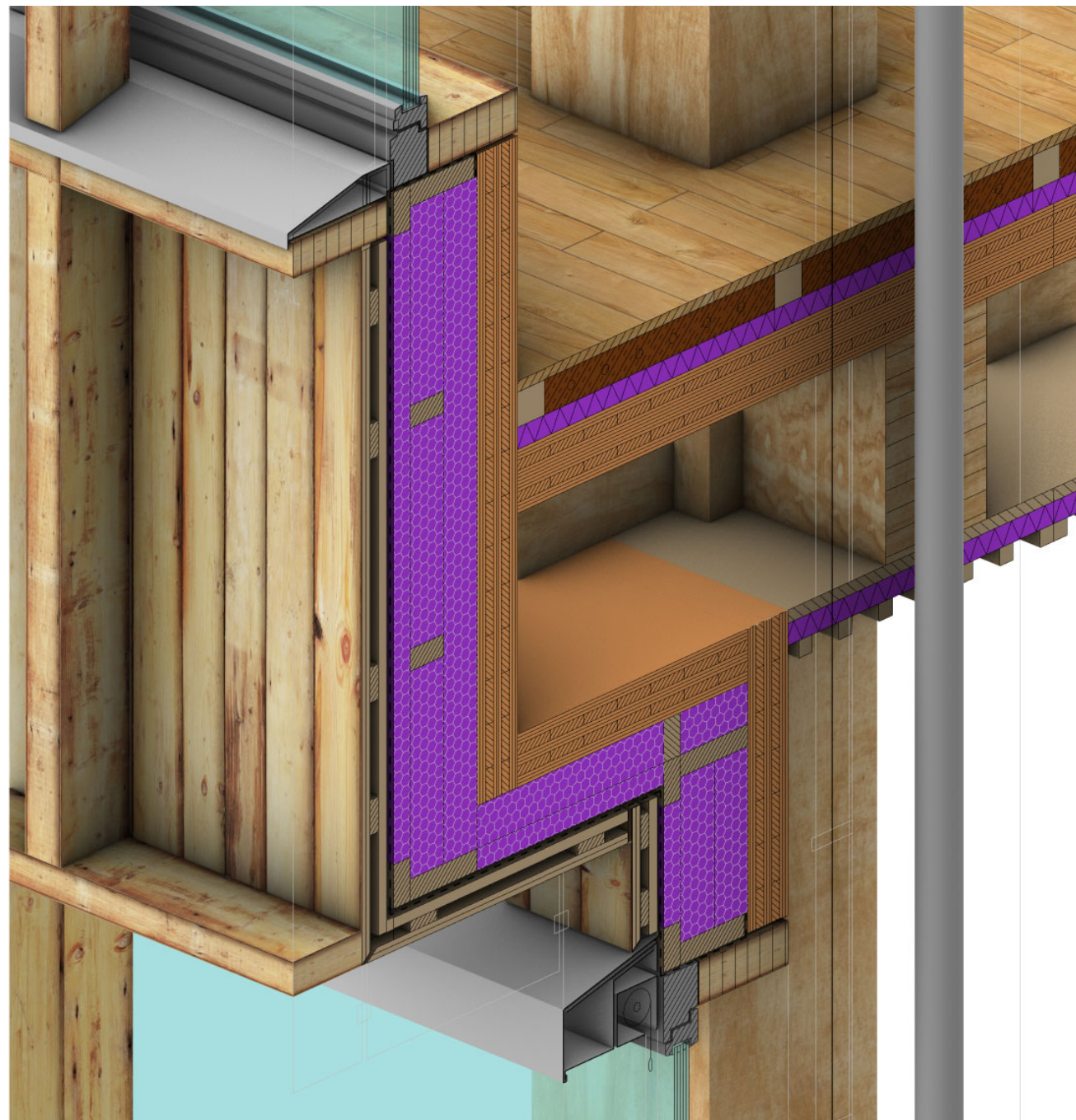
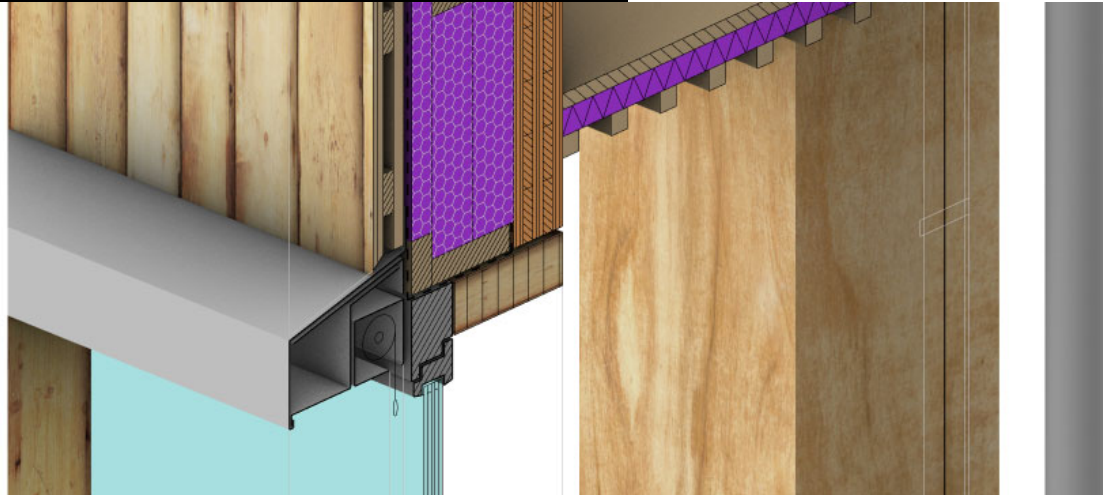
6.Details and 3D Fragment:



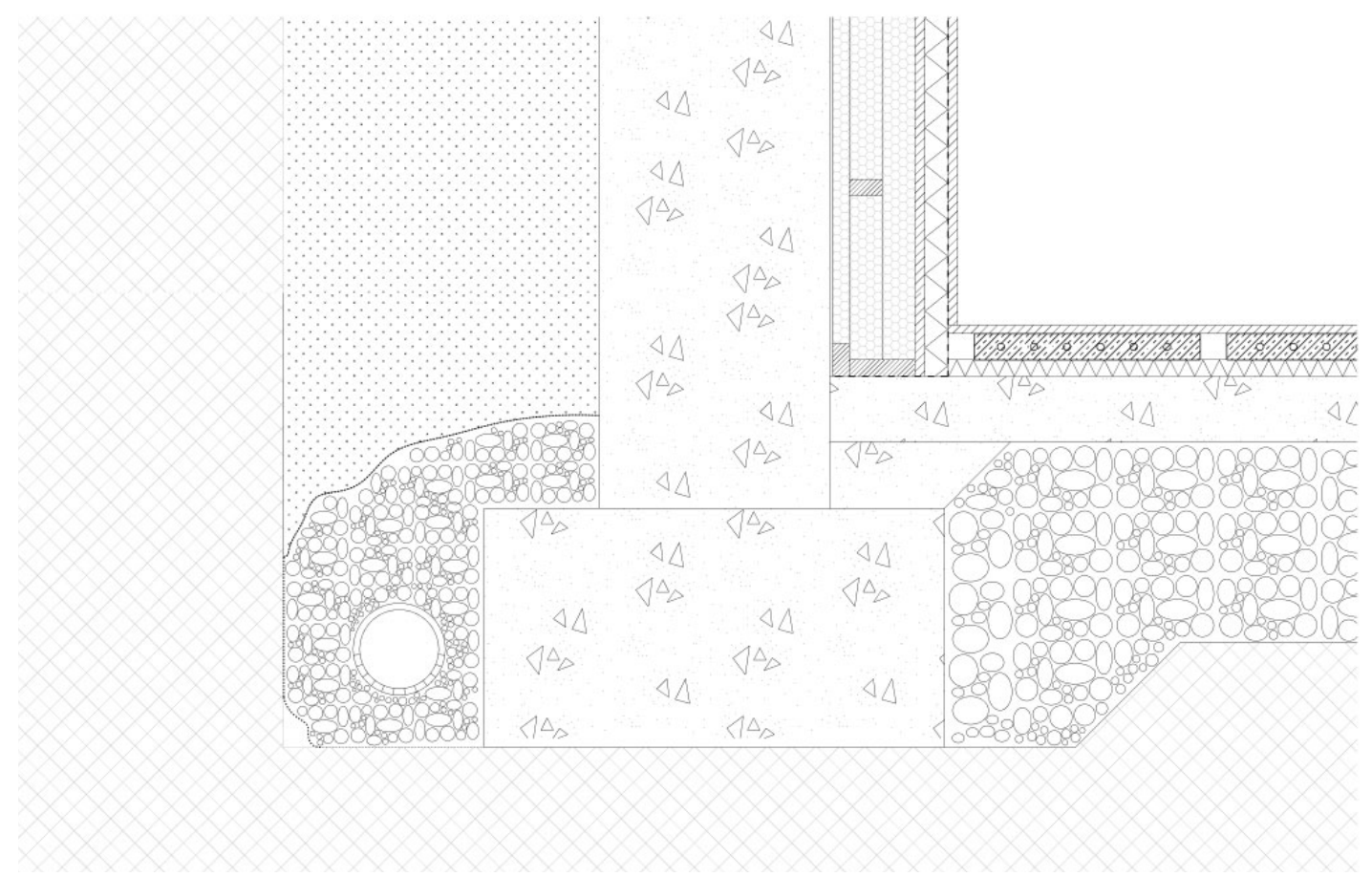
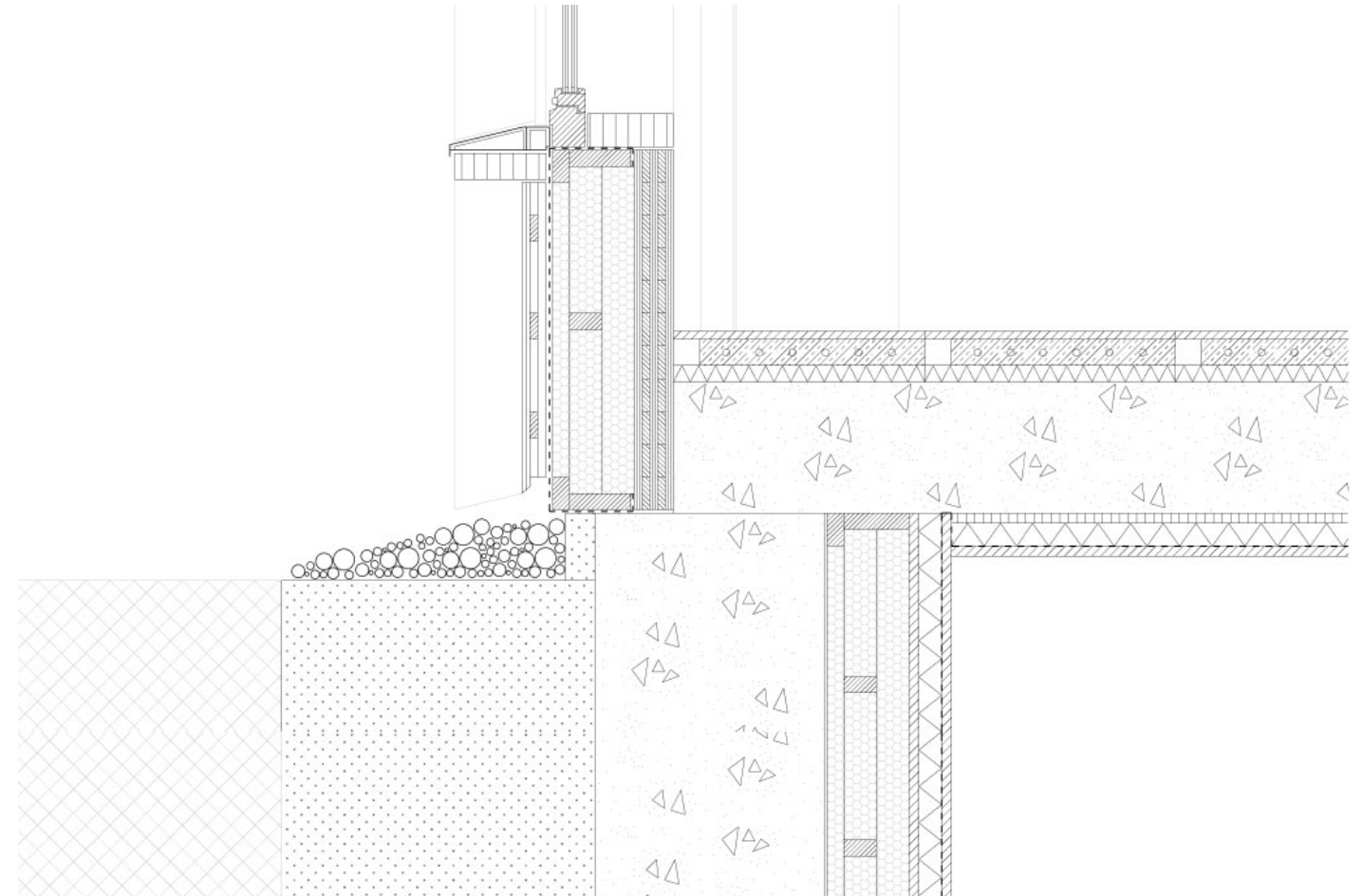
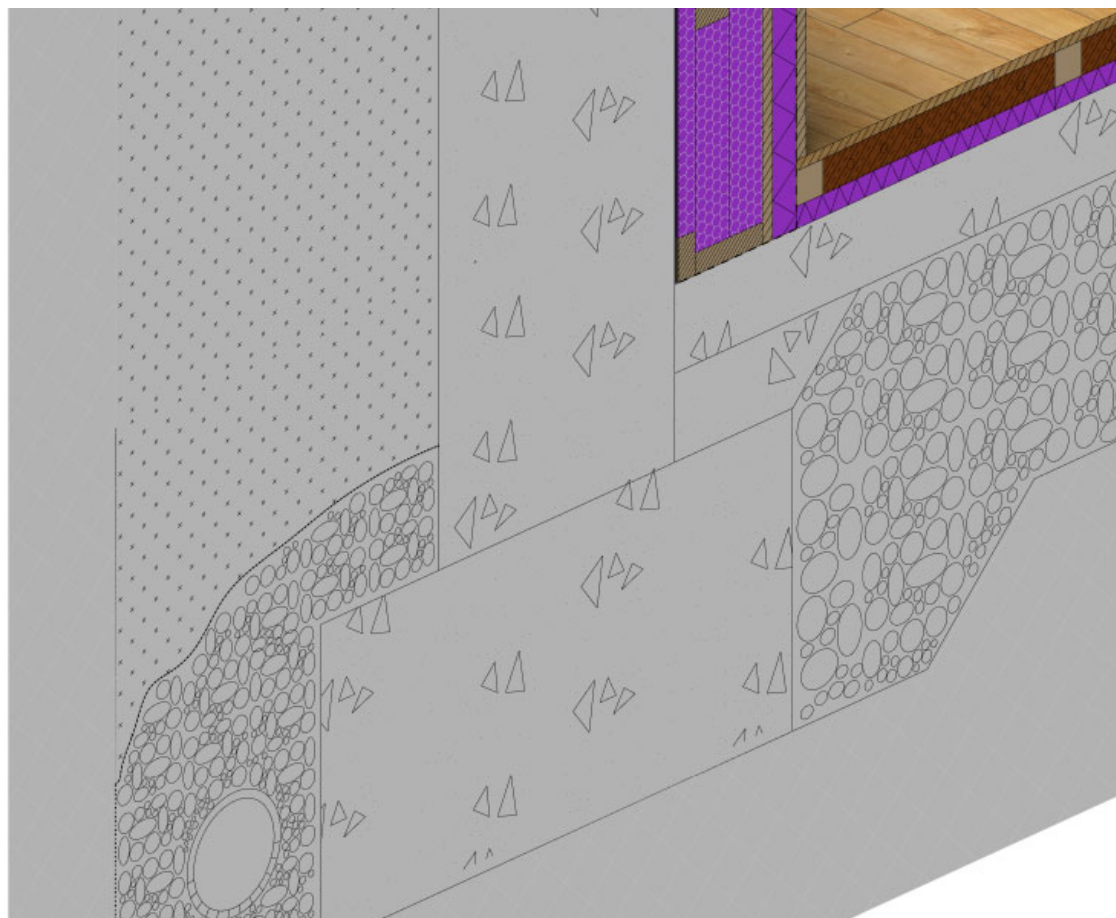
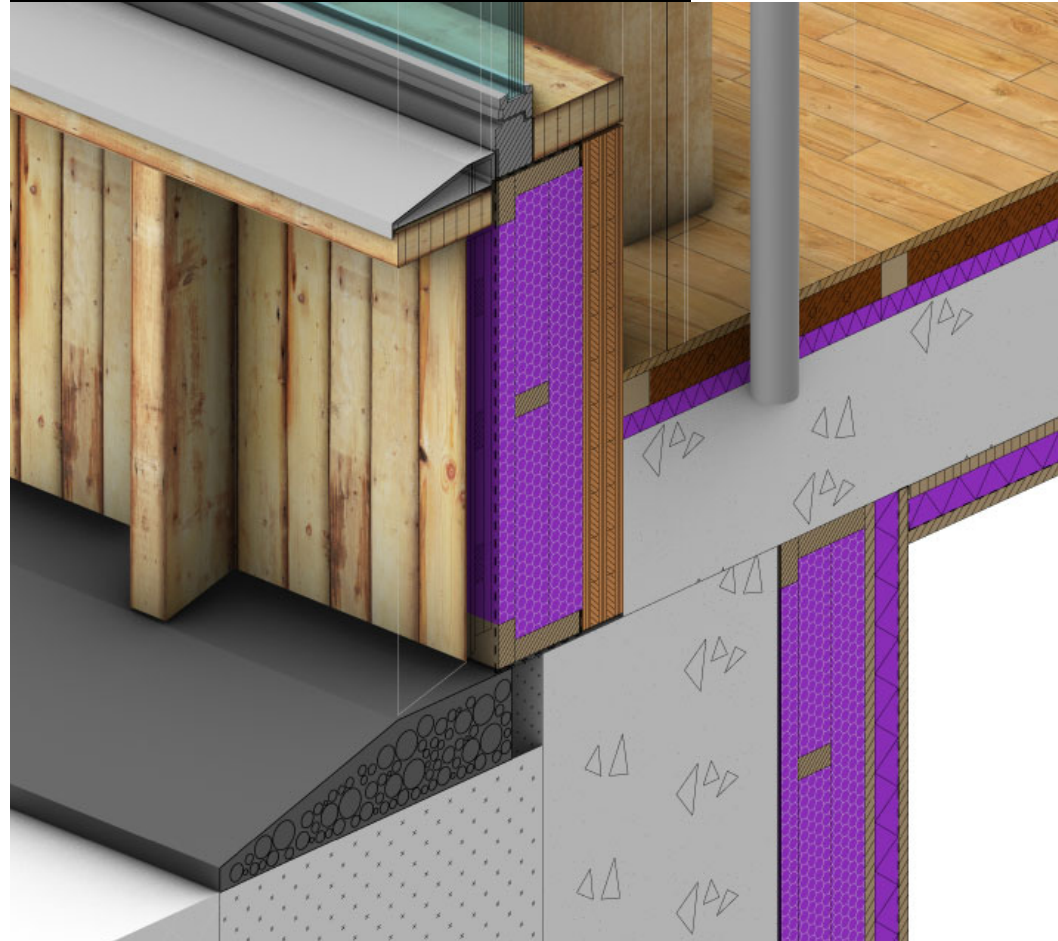
6.Details and 3D Fragment:



6.Details and 3D Fragment:

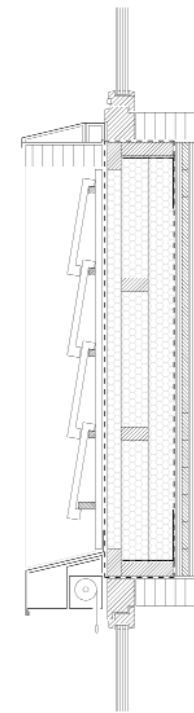


6.Details and 3D Fragment:

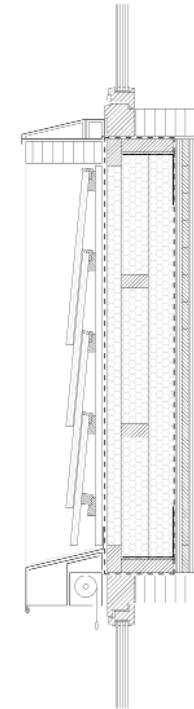
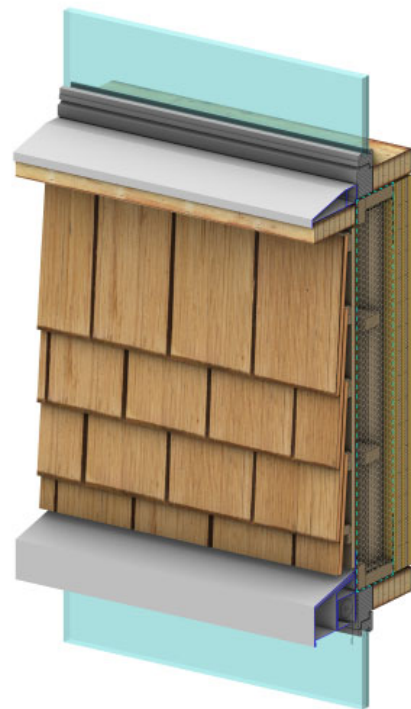


6.Details and 3D Fragment:

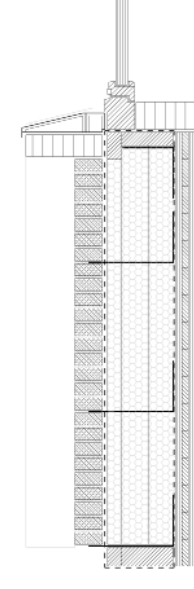
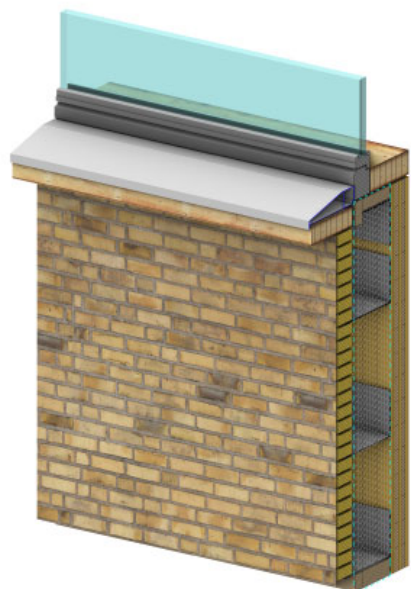
Roof Tiles



Wood Shingles



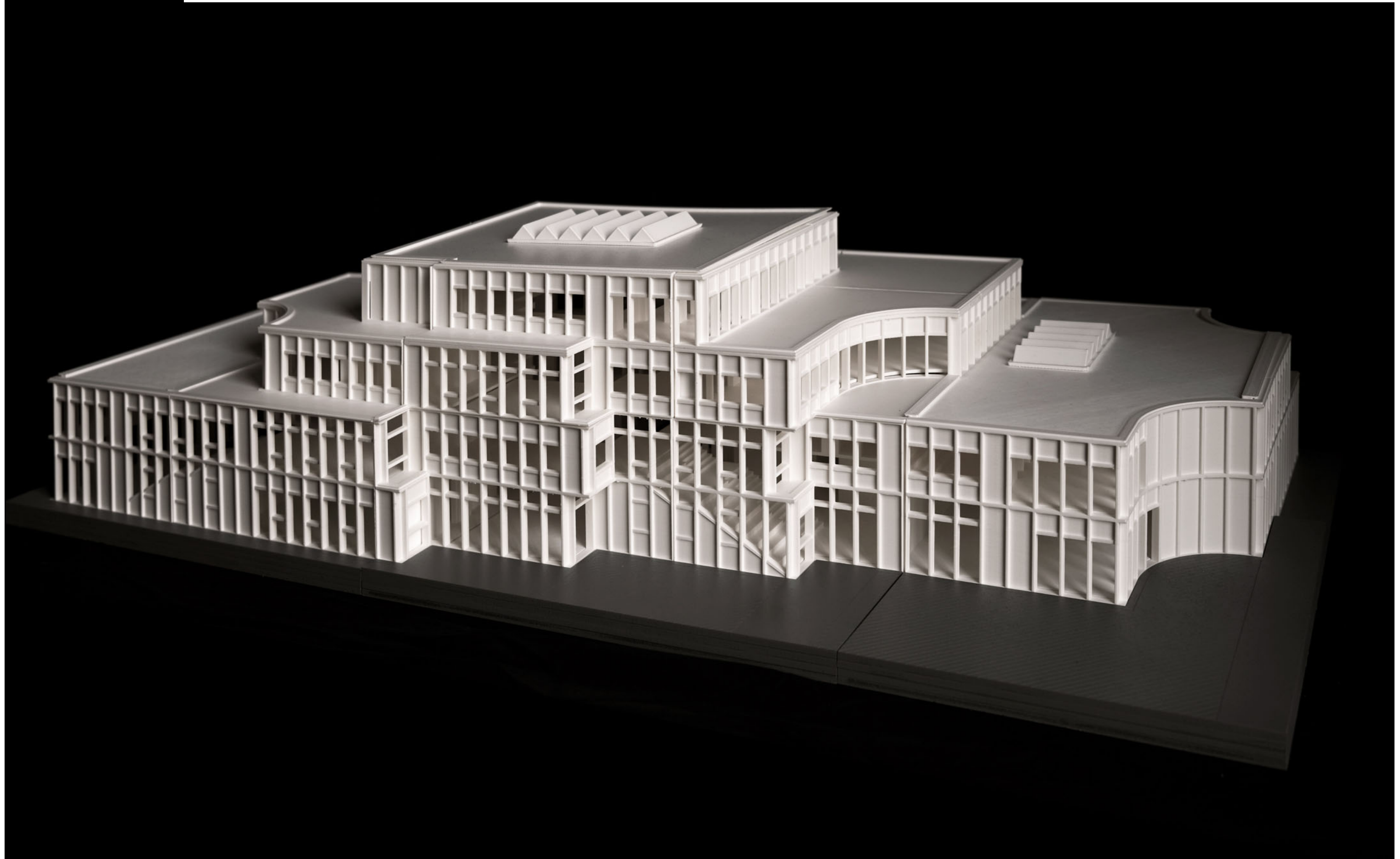
Brickwork



7.Model 1:100:



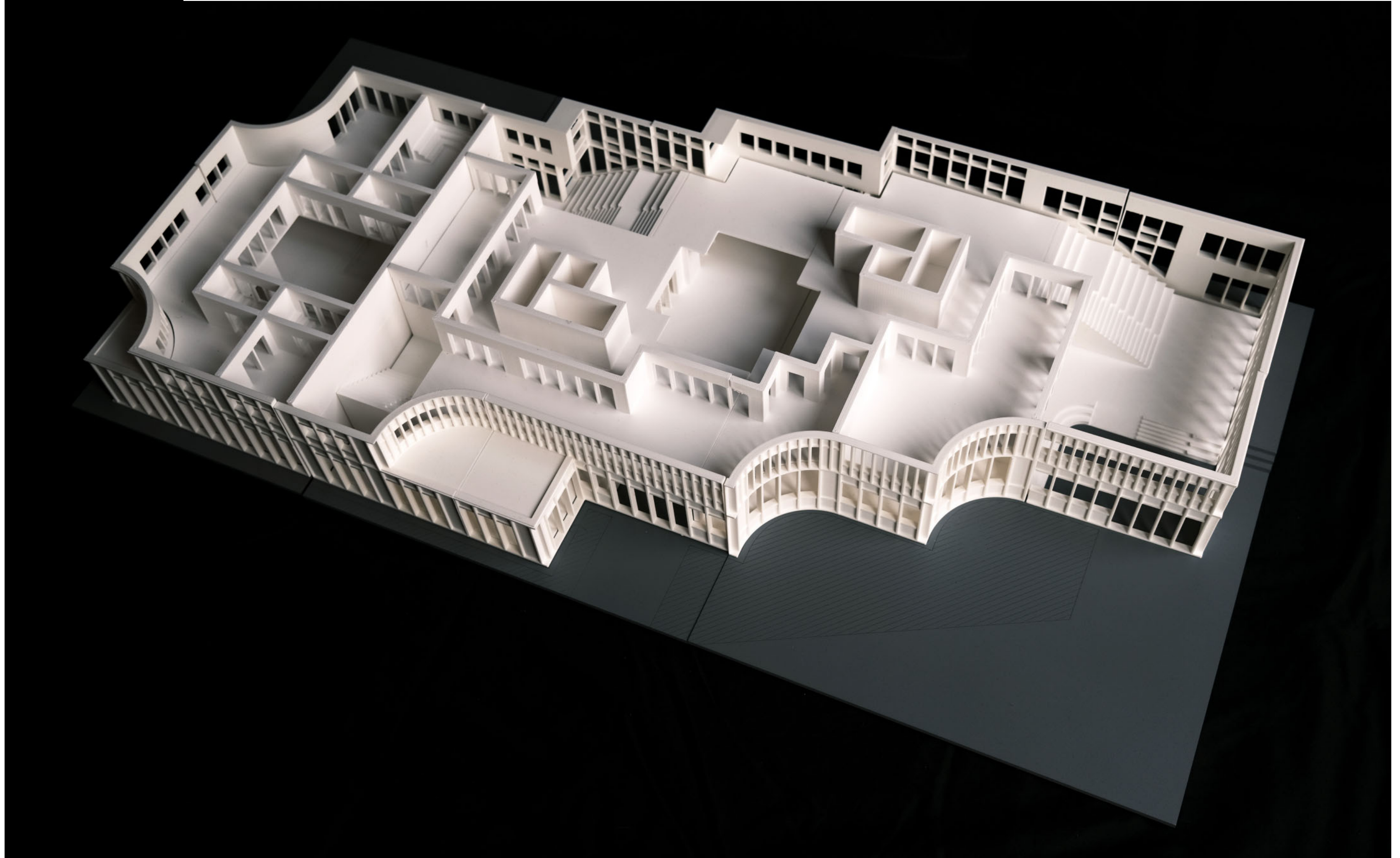
7. Model 1:100:

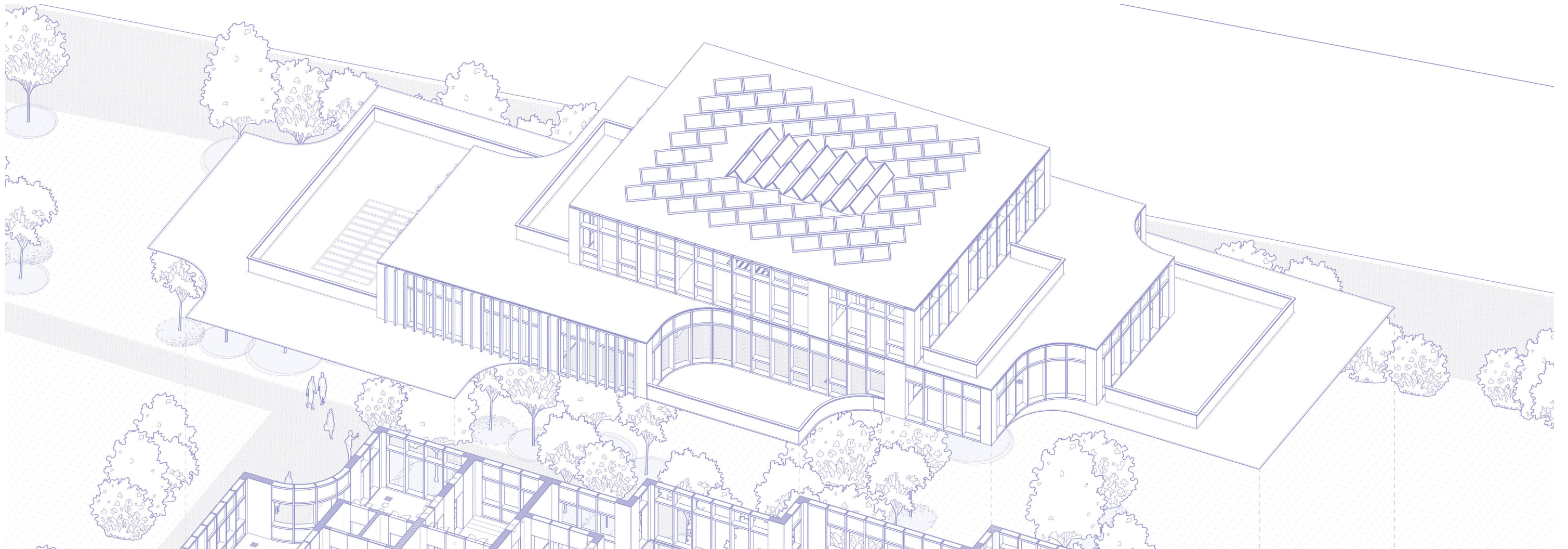


7. Model 1:100:

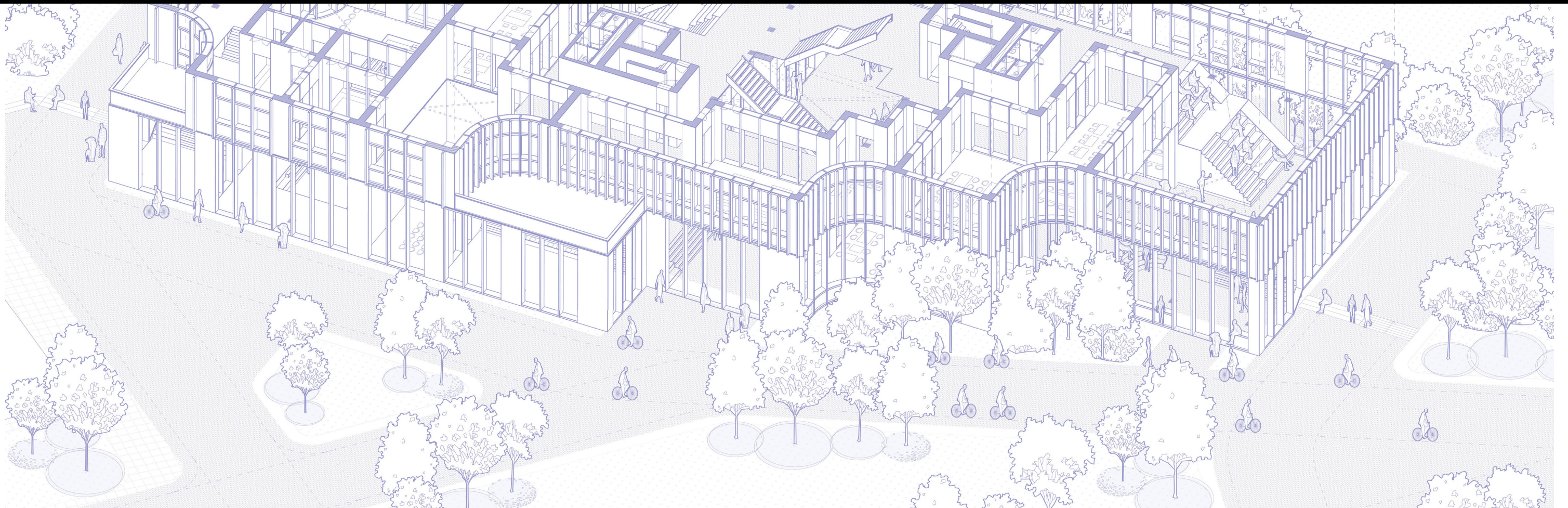


7. Model 1:100:





-How could a community-centered public condenser as a catalyst to heal depression?





-Materialise the Nostalgic Emotion into the Reuse of Architectural Elements Embedded with Community Memories.

-Coexist Various Social Activities among Different Social Groups.

-(Re-)Construct Emotional Bond between the Public and Community.



Un-Fragmented Nostalgia