

*Associations & Assemblages*  
A Pattern-based Housing Group Form in Istanbul

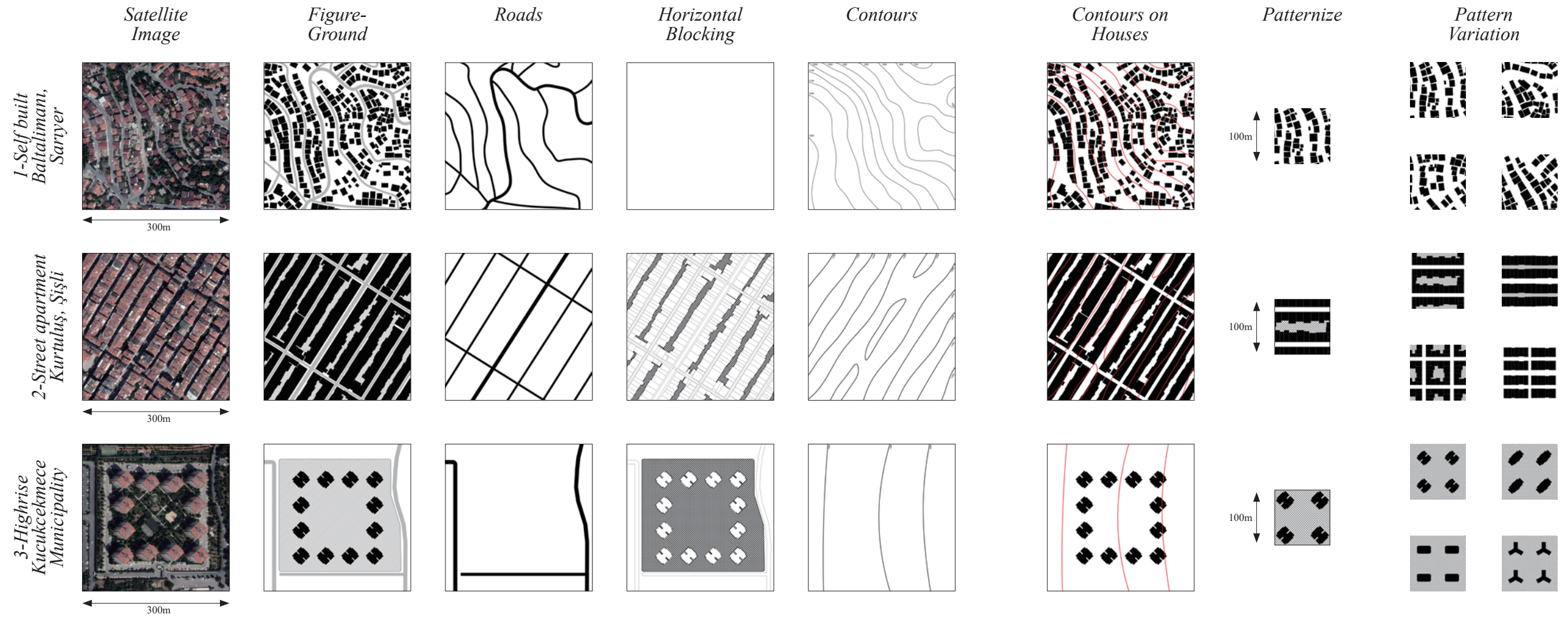
**Research** \_ Current housing patterns of Istanbul

**Experiment I/ II/ III** \_ Association and assemblages in plan/elevation

**Volume on Site** \_ Group form/Program/Structure/Circulation

**Experiment IV** \_ Facade patterning

**Corner Model** \_ Detailed structure/Material/Circularity/Climate



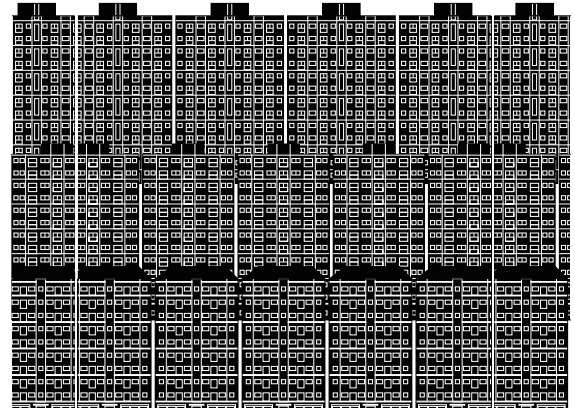
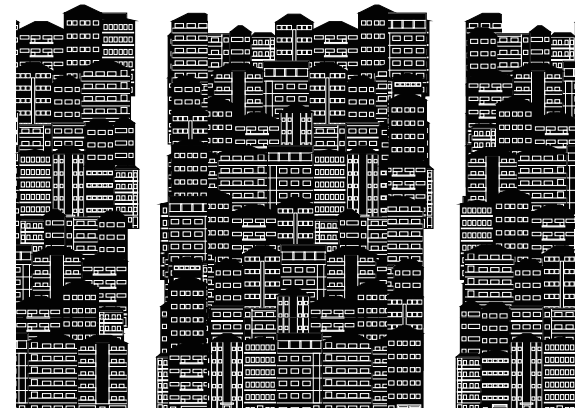
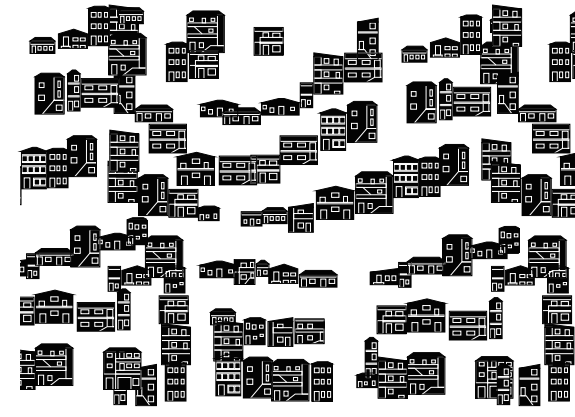
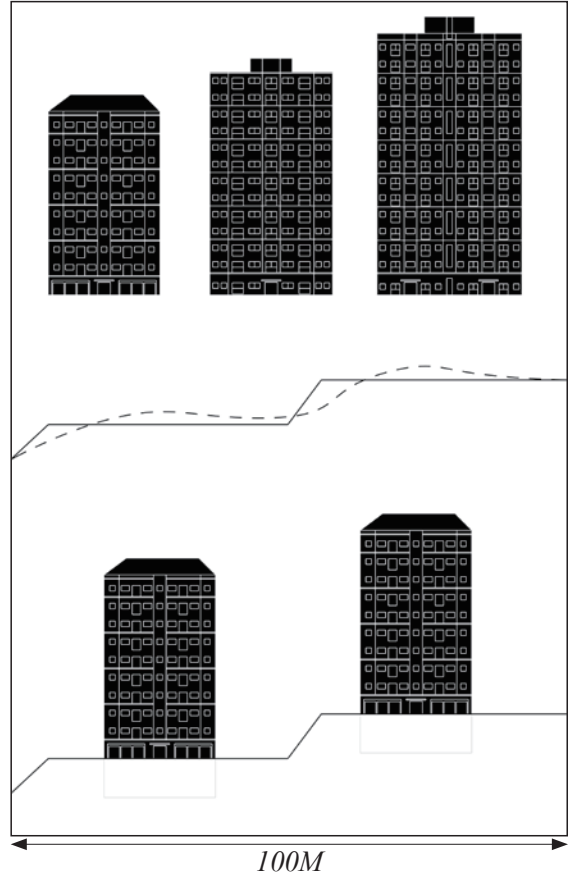
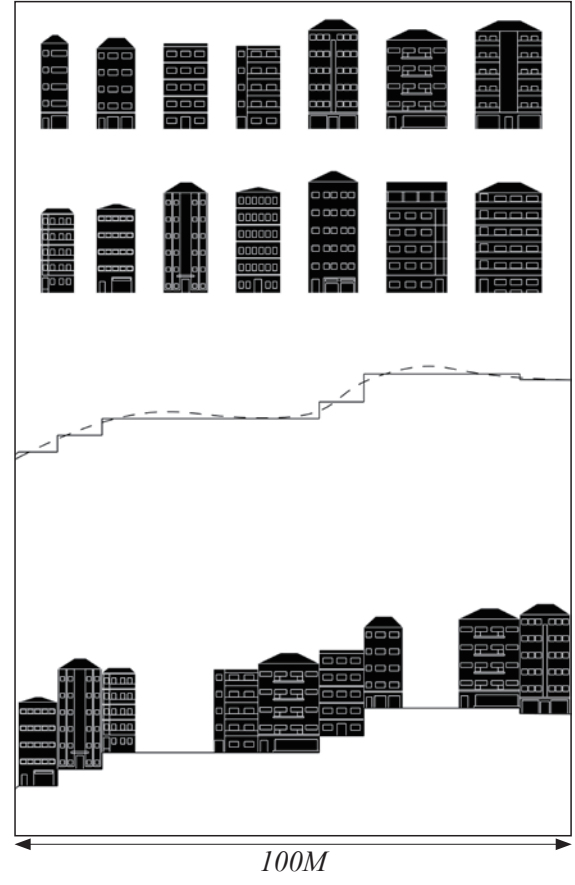
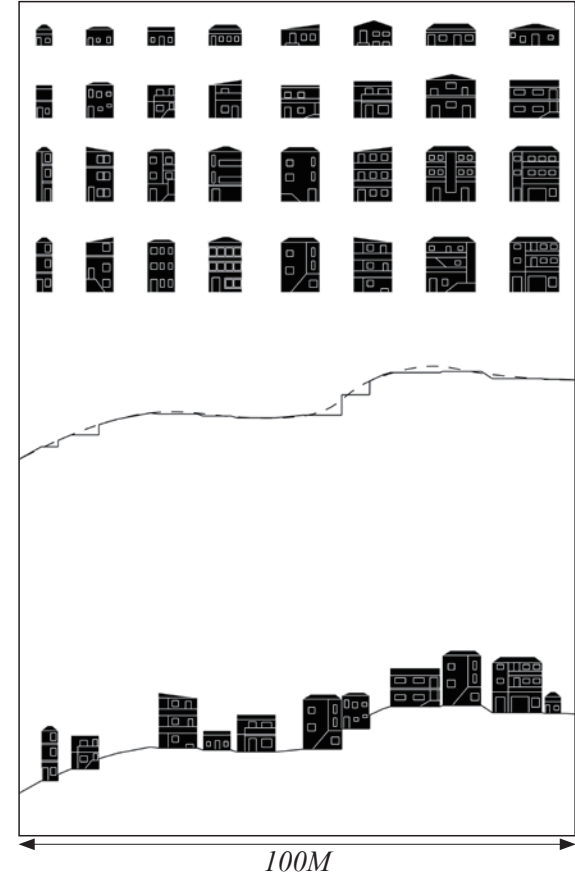
## Research\_ Current housing patterns of Istanbul

House Facade

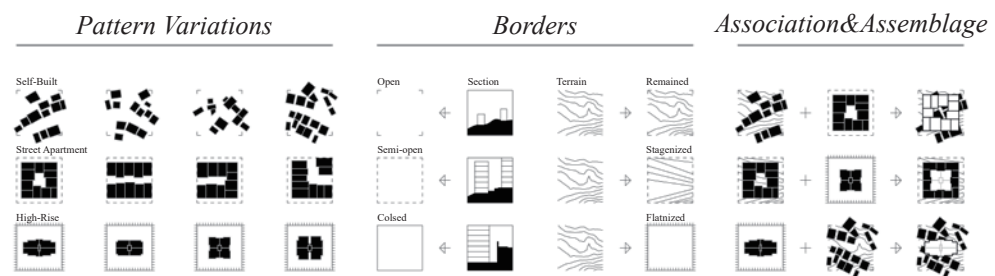
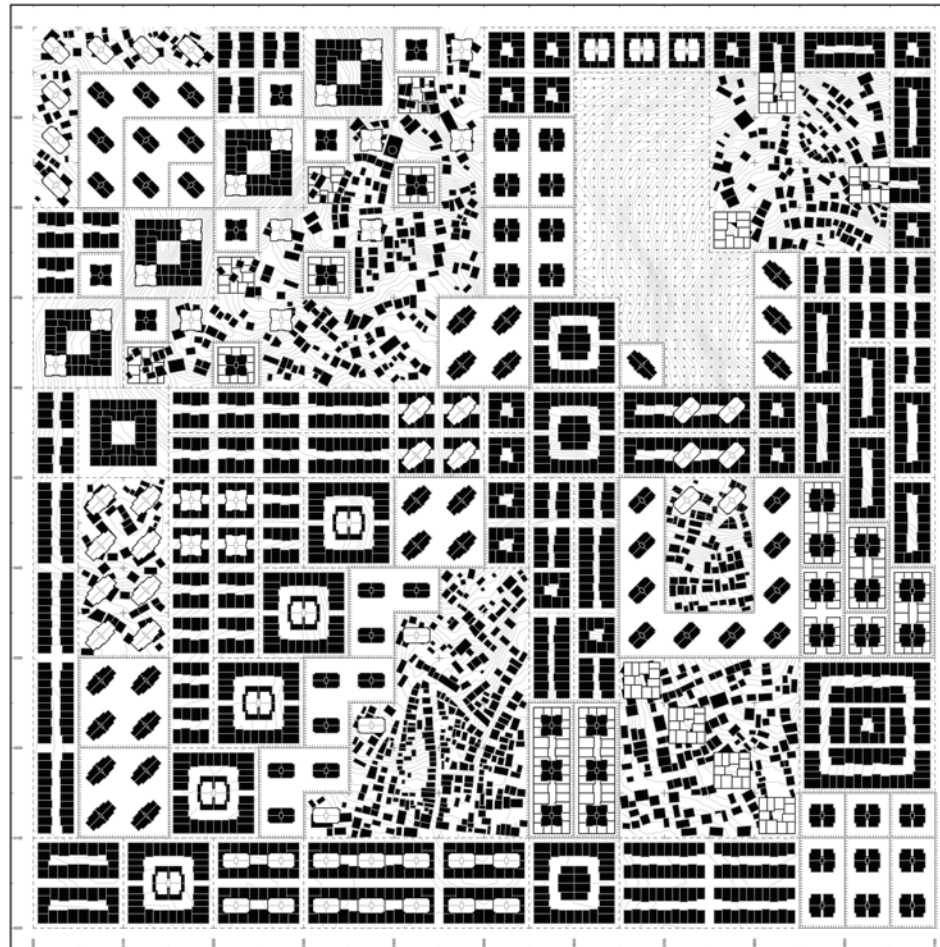
Topography section

Street Elevation

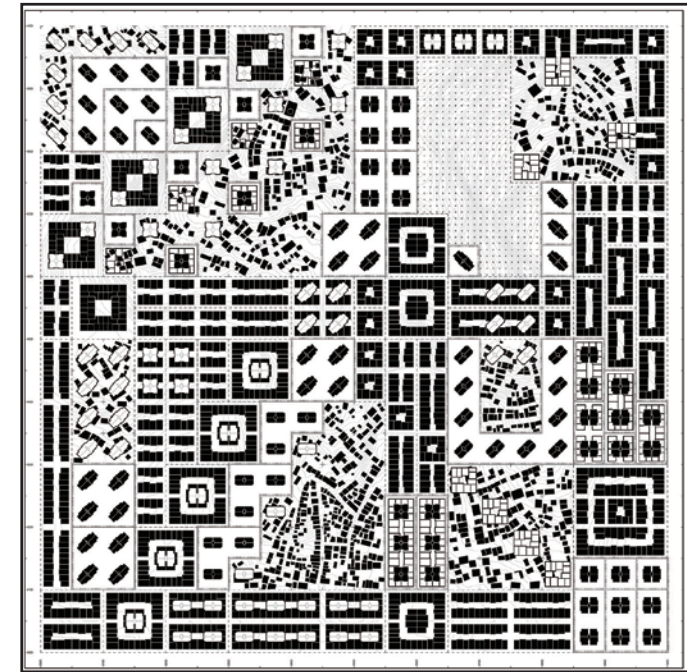
Vertical Elevation Pattern



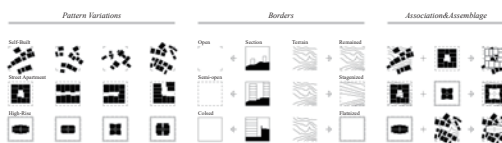
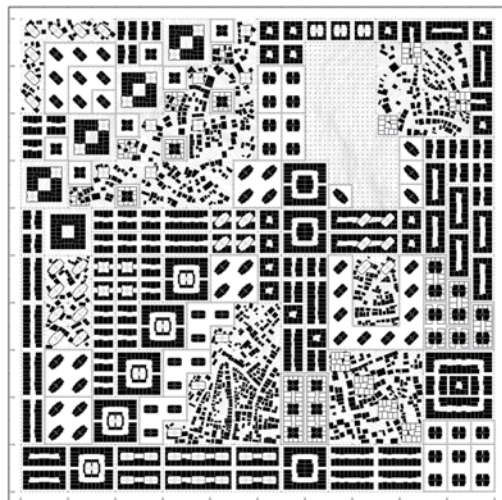
# Research\_ Current housing patterns of Istanbul



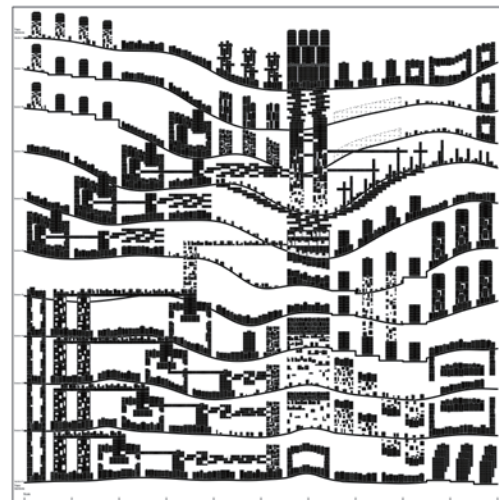
# Experiment I \_ Association and assemblages in plan



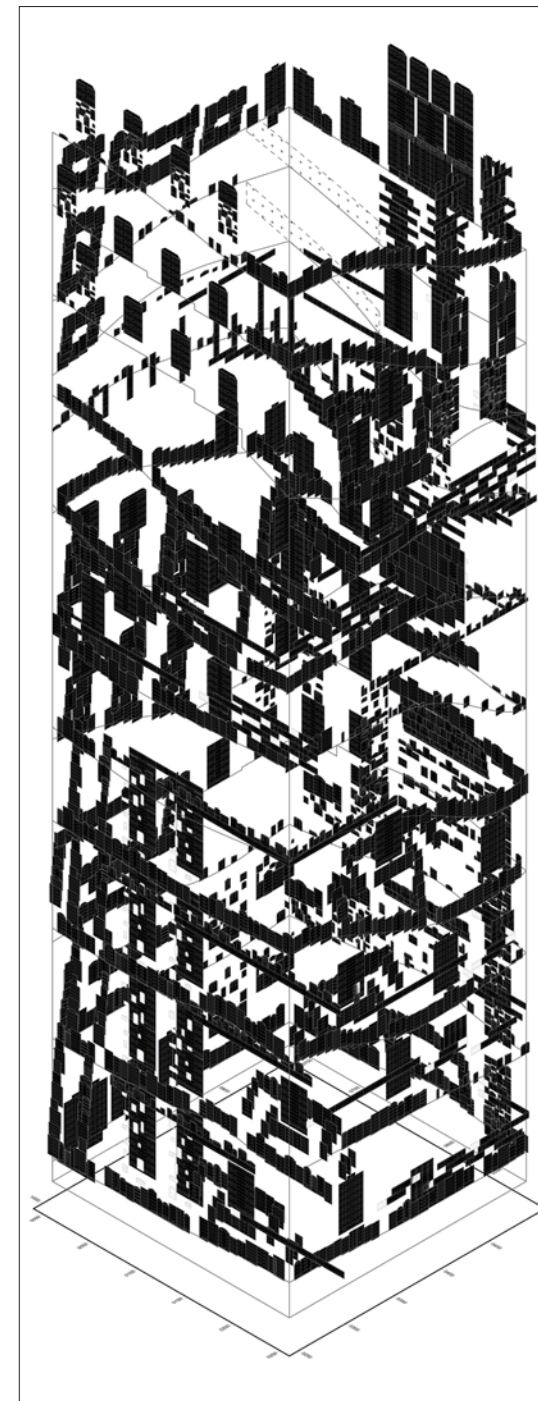
**Experiment I** \_Association and assemblages in plan



*Housing Pattern Experiment I*  
Association & Assemblages in Plan

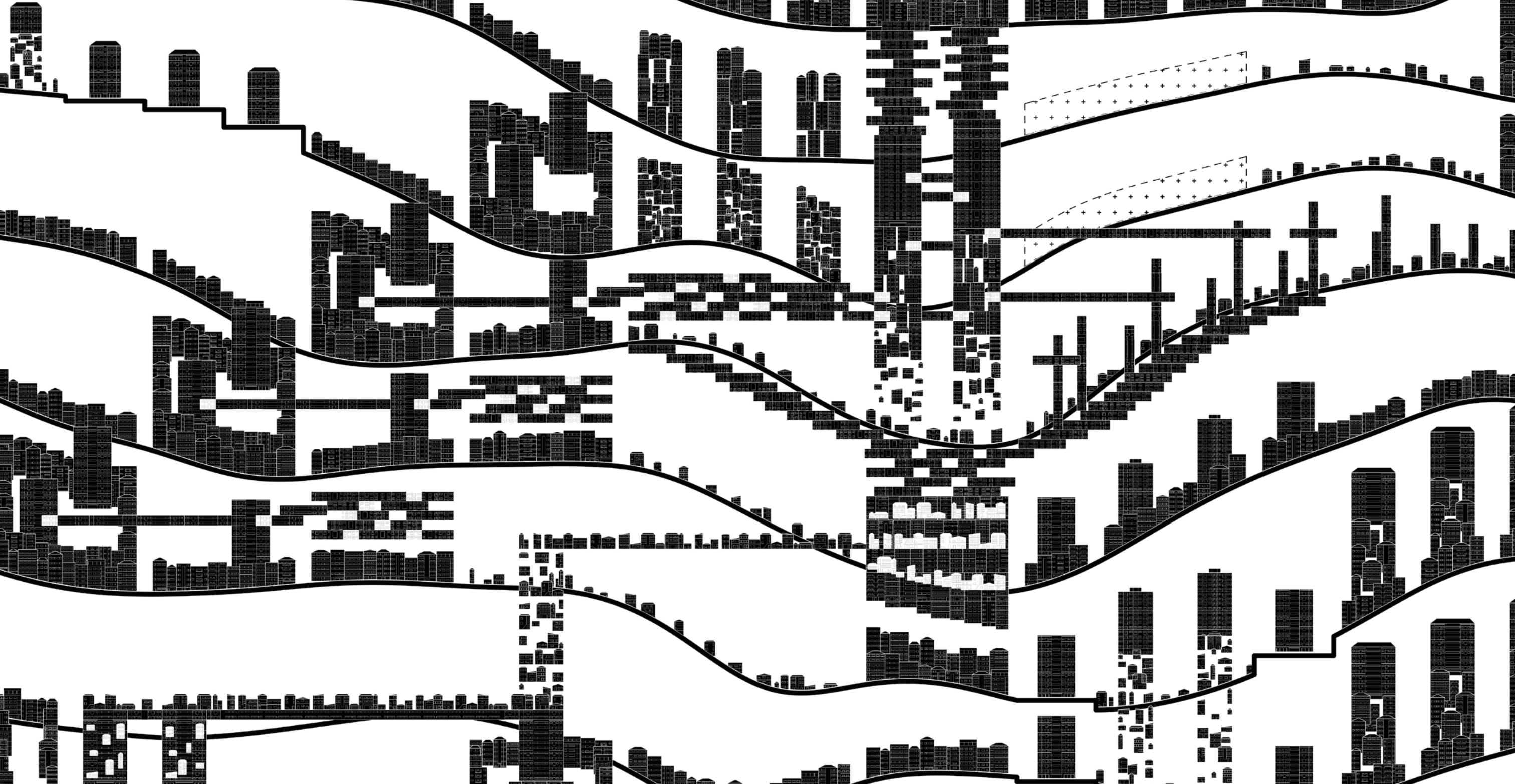


*Housing Pattern Experiment II*  
Association & Assemblages in Elevation



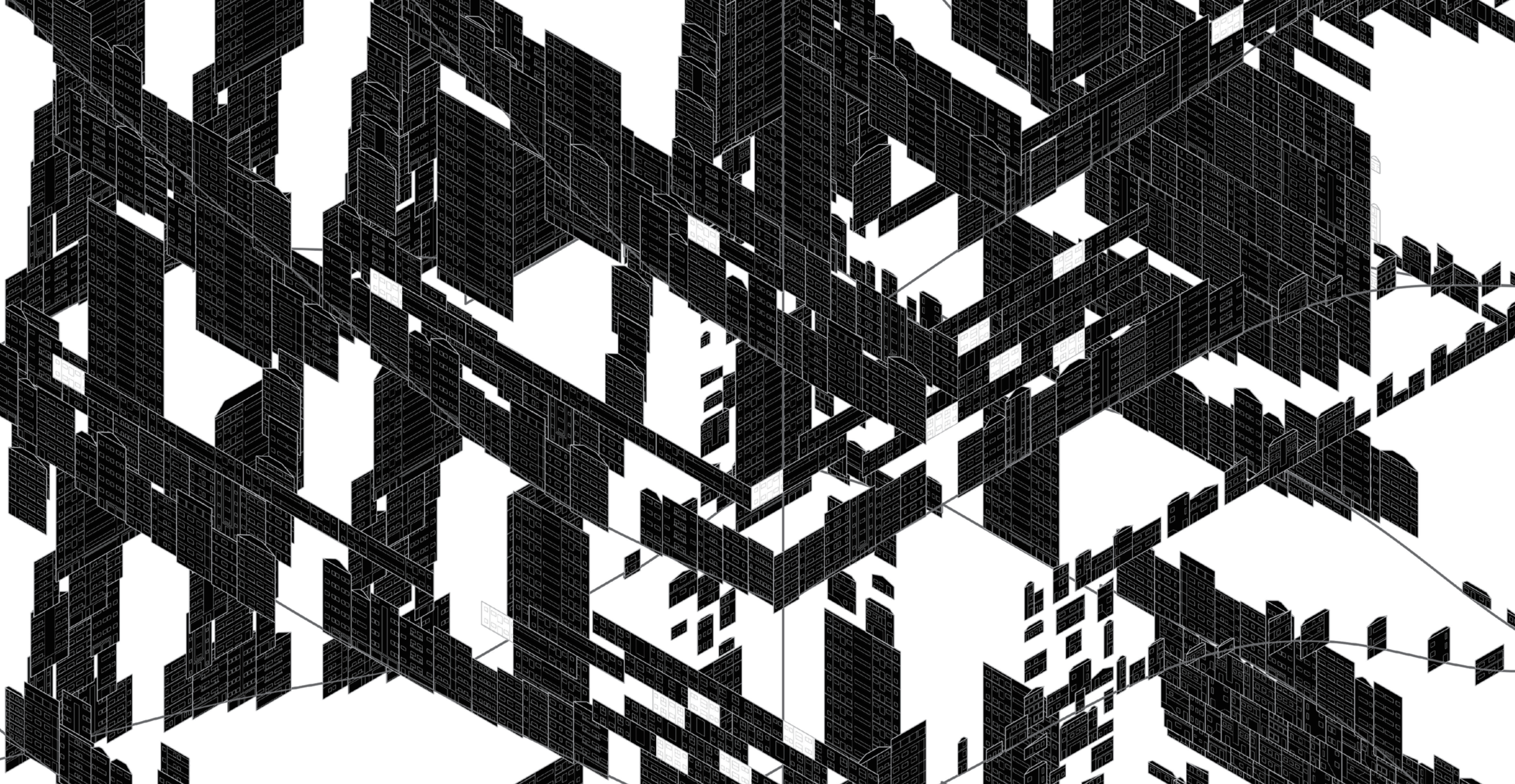
*Housing Pattern Experiment III*  
Association & Assemblages in Elevation

# Experiment I/ II/ III \_ Association and assemblages in plan/elevation

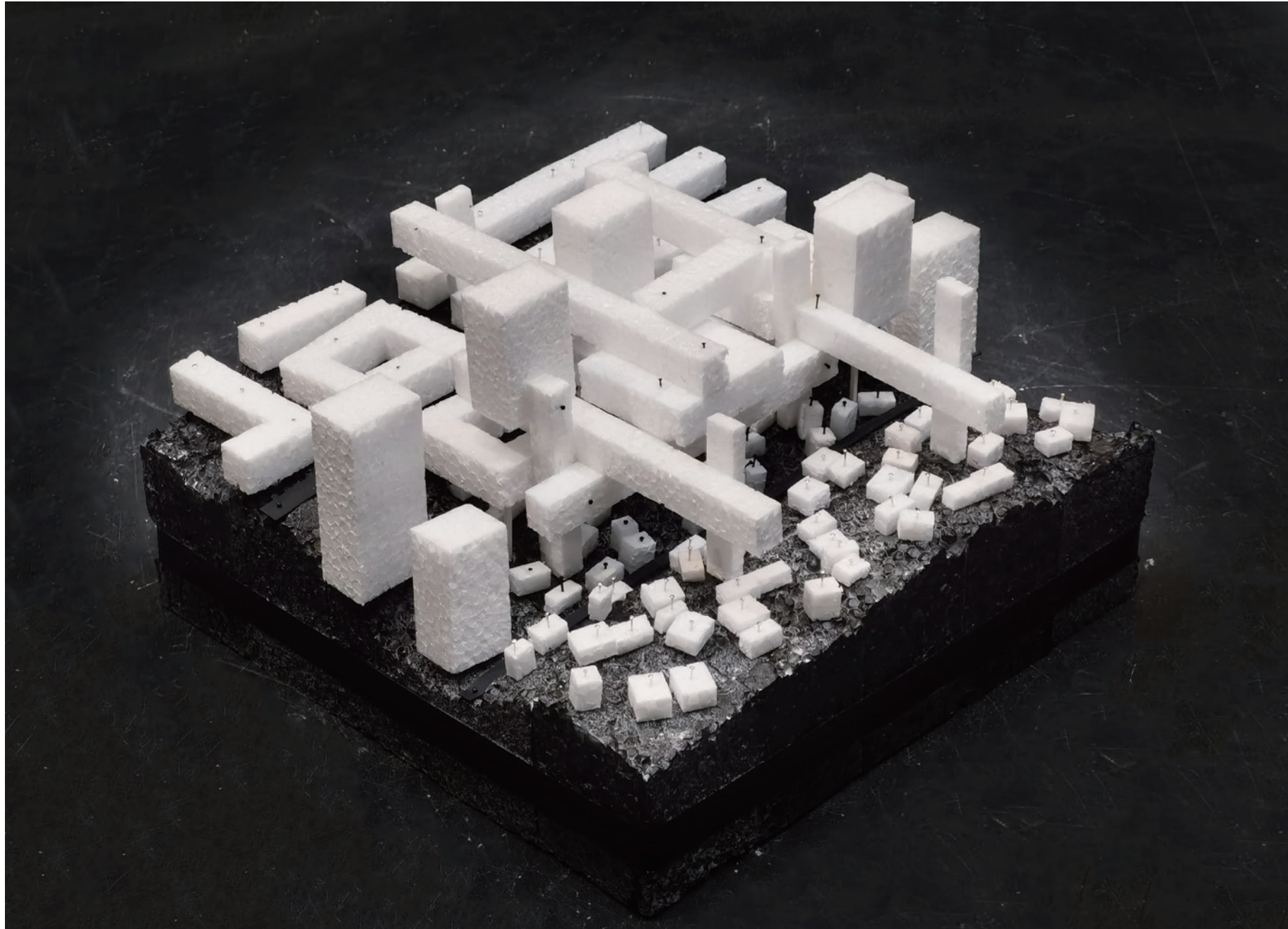


Experiment II Association and assemblages in elevation





**Experiment III** Association and assemblages in elevation



**Volume on Site\_\_Group form**



**Volume on Site\_\_Site plan**

Street Apartments

Site

Self-builts



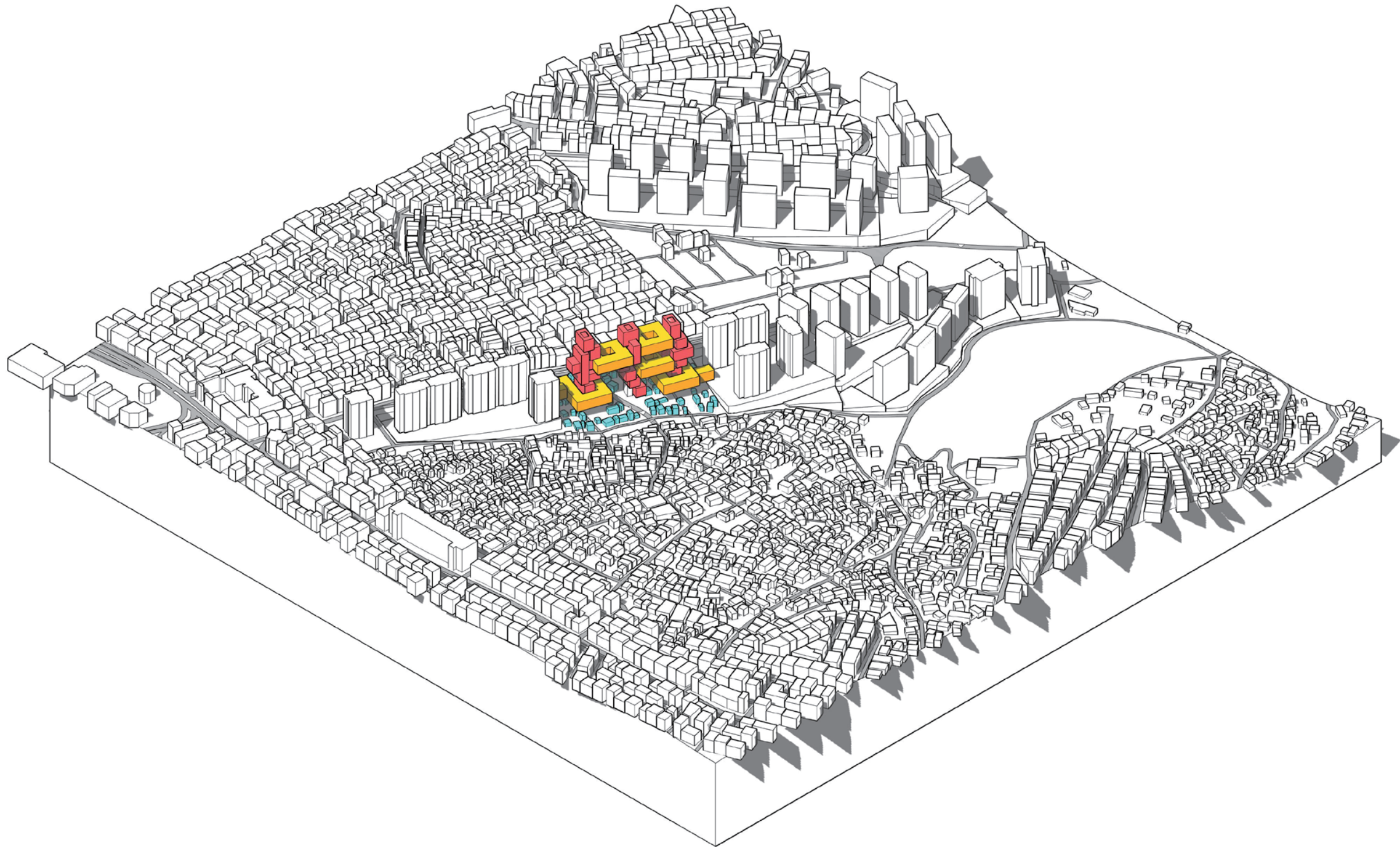
High-rises

Site

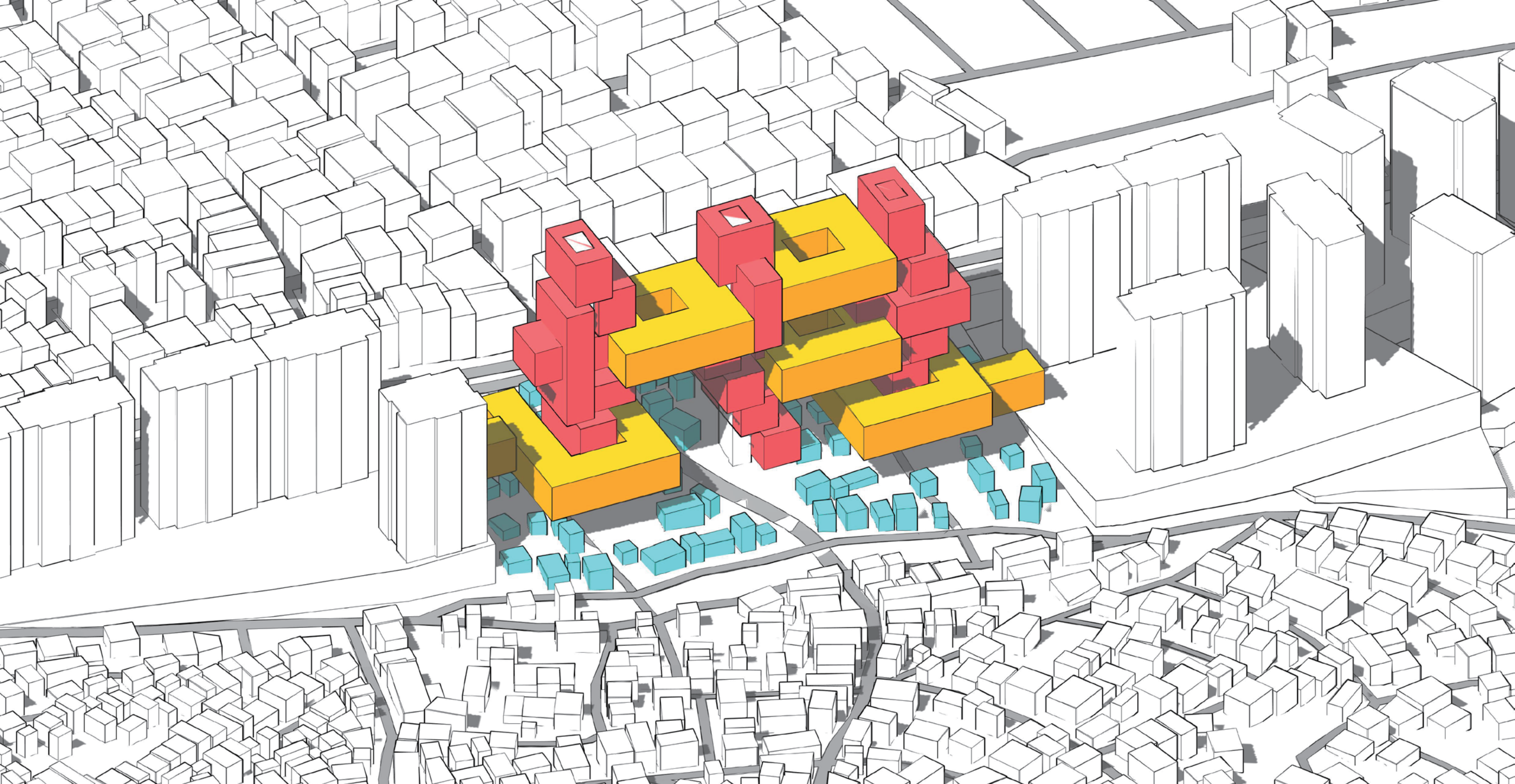
High-rises



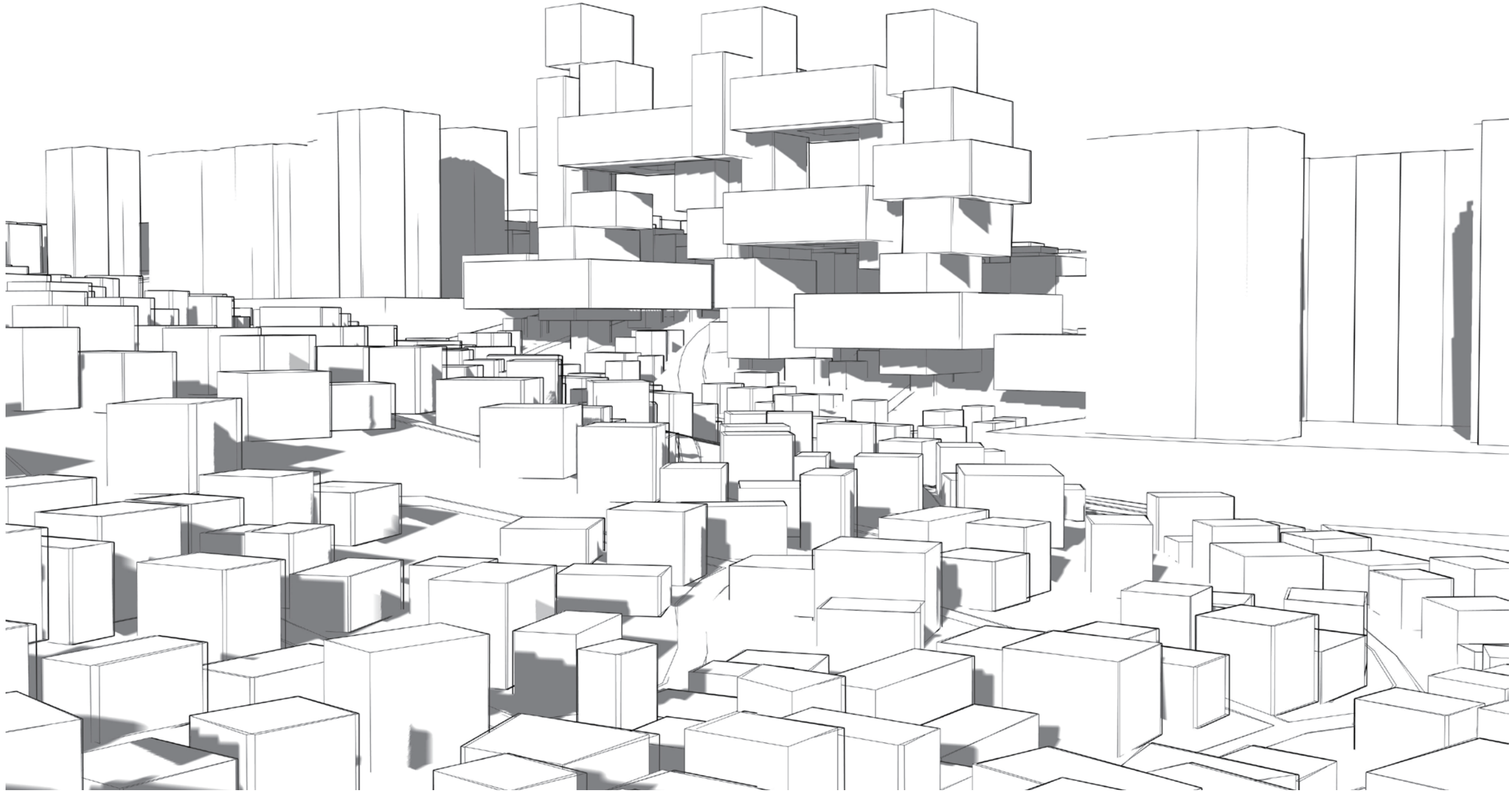
**Volume on Site\_\_Site section**



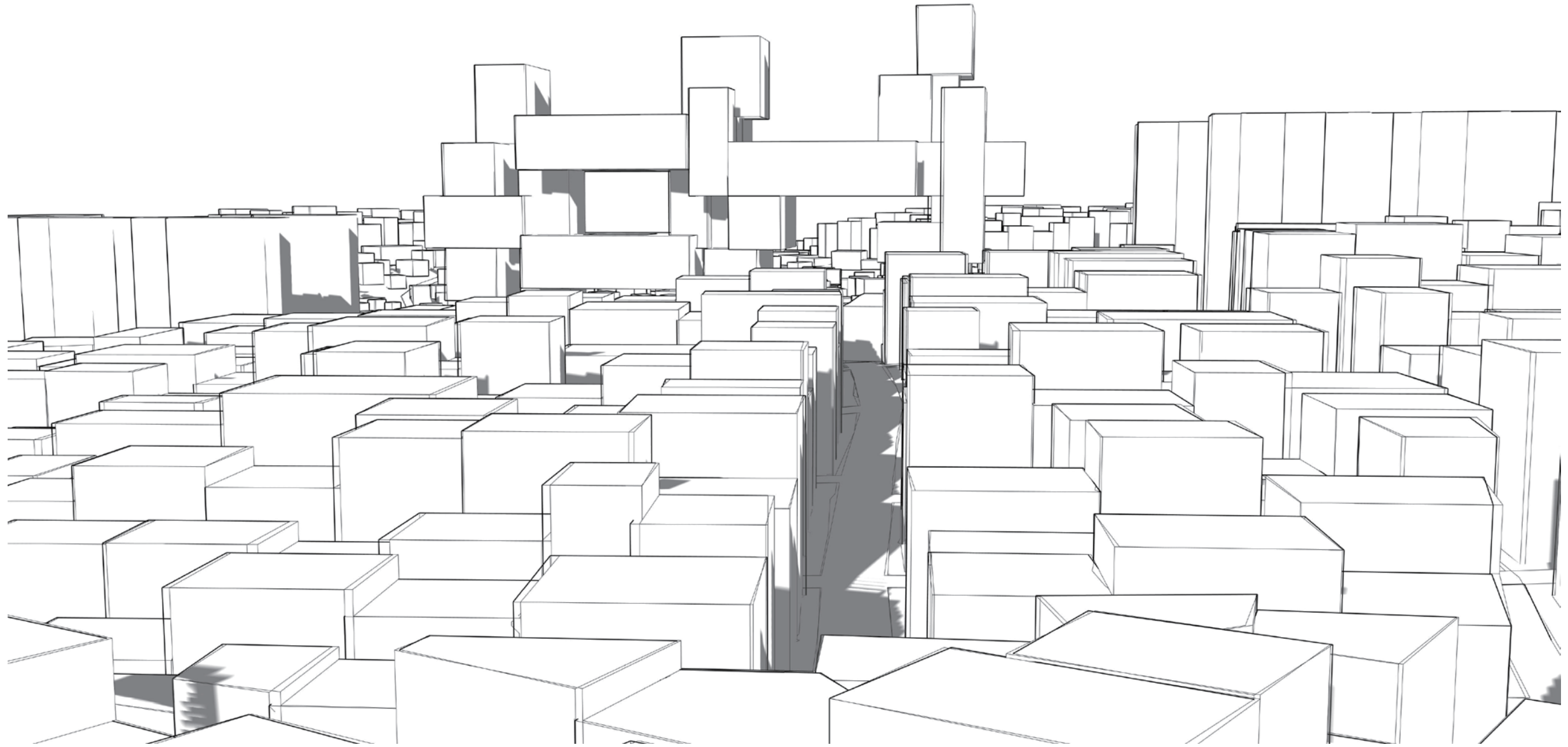
**Volume on Site\_\_Perspective**



**Volume on Site Perspective**

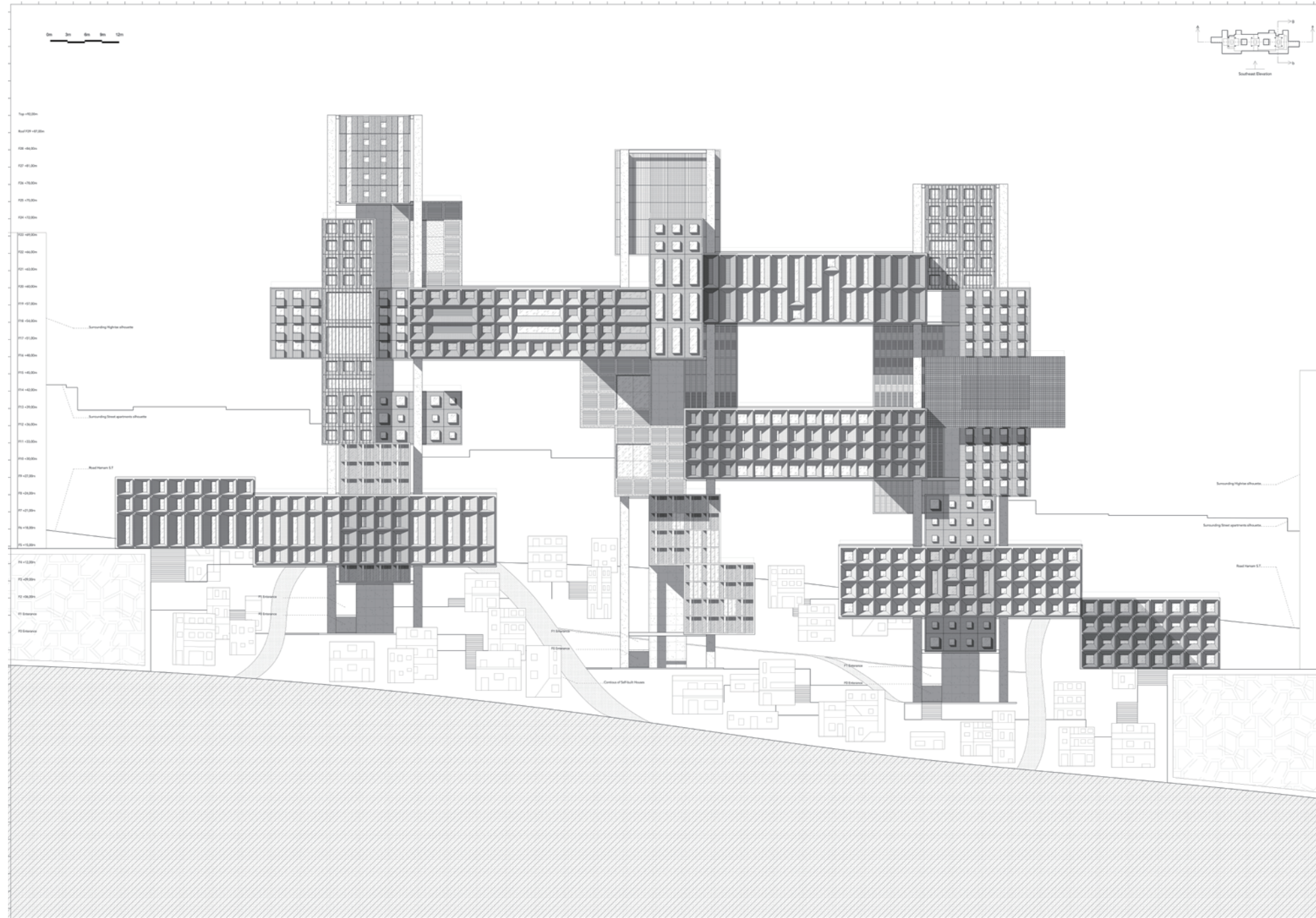


**Volume on Site\_\_Perspective**



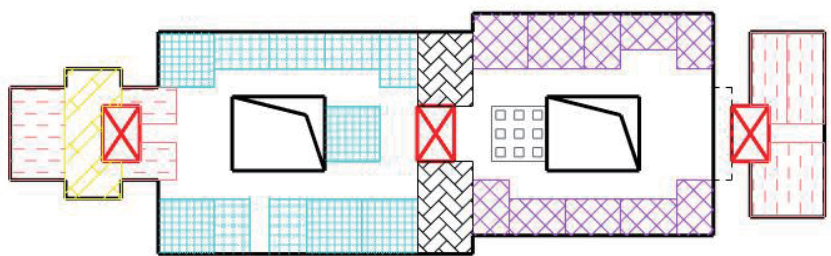
**Volume on Site\_\_Perspective**



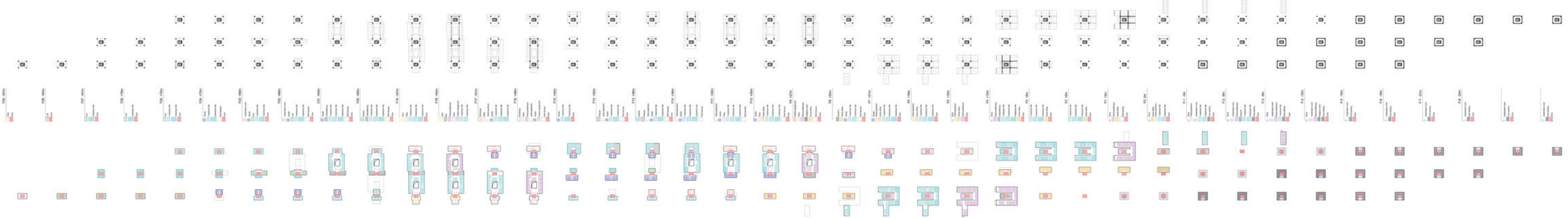
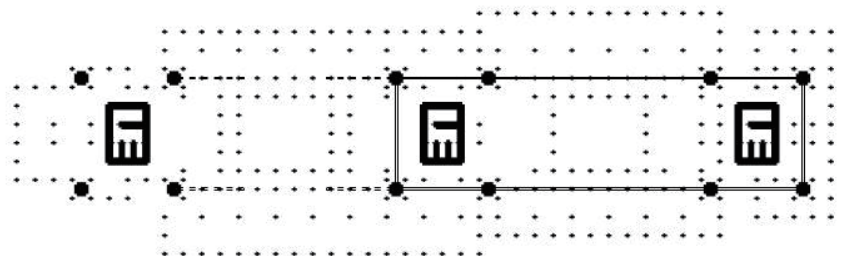


**Volume on Site\_\_Eelvation**

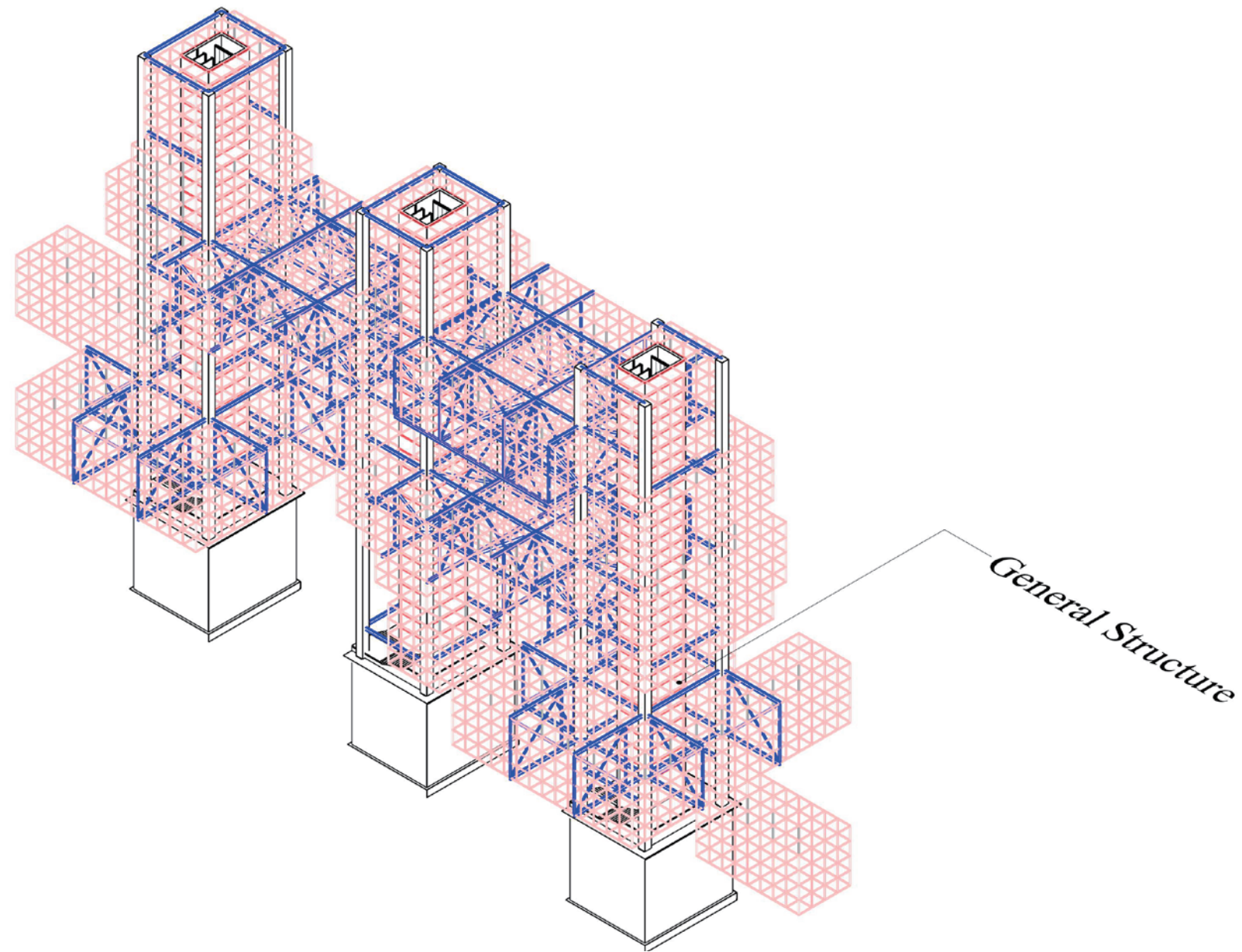
F18 +54m



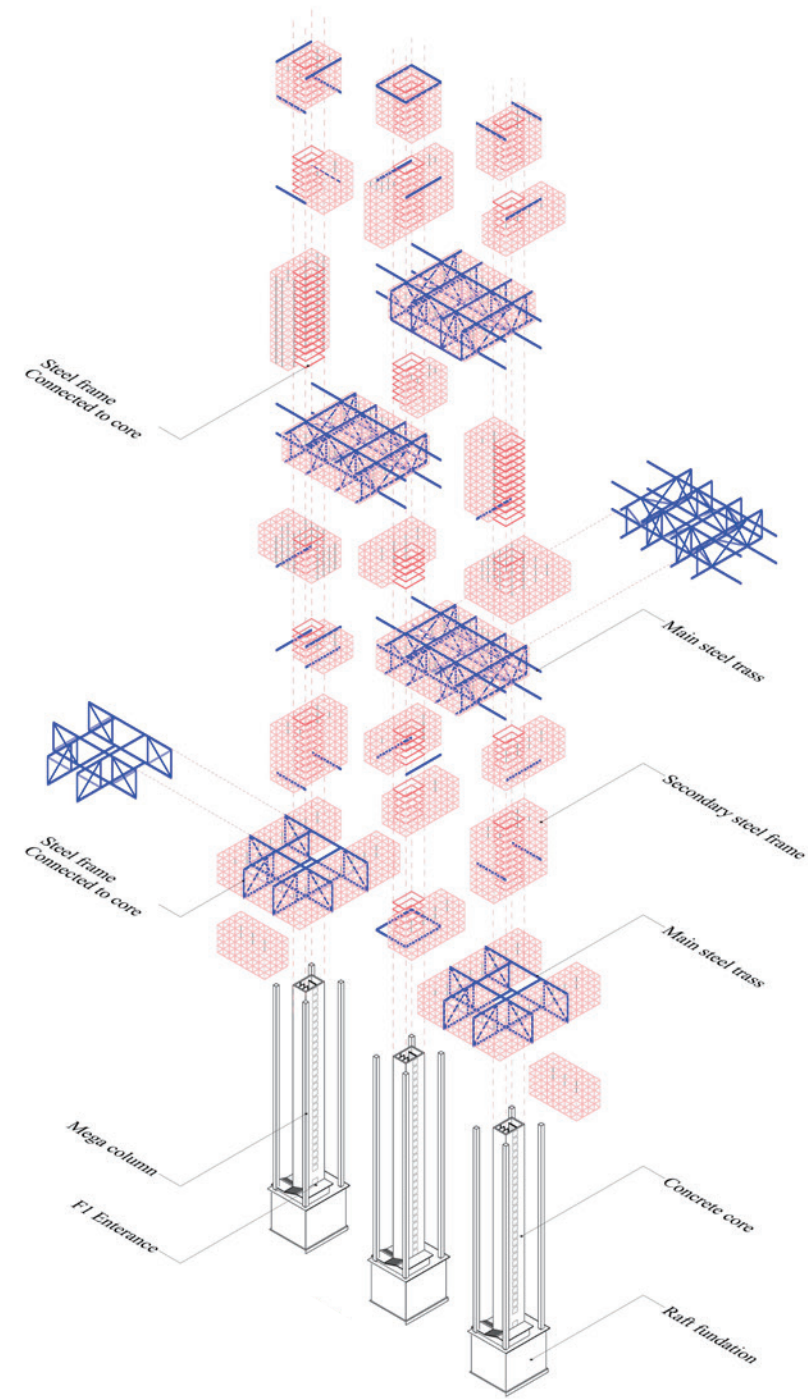
-  Gym
-  Bar
-  Restruant&shops
-  Patio
-  Inddors playground
-  1-bedroom flat
-  2-bedroom flat



Volume on Site\_\_Program in plan

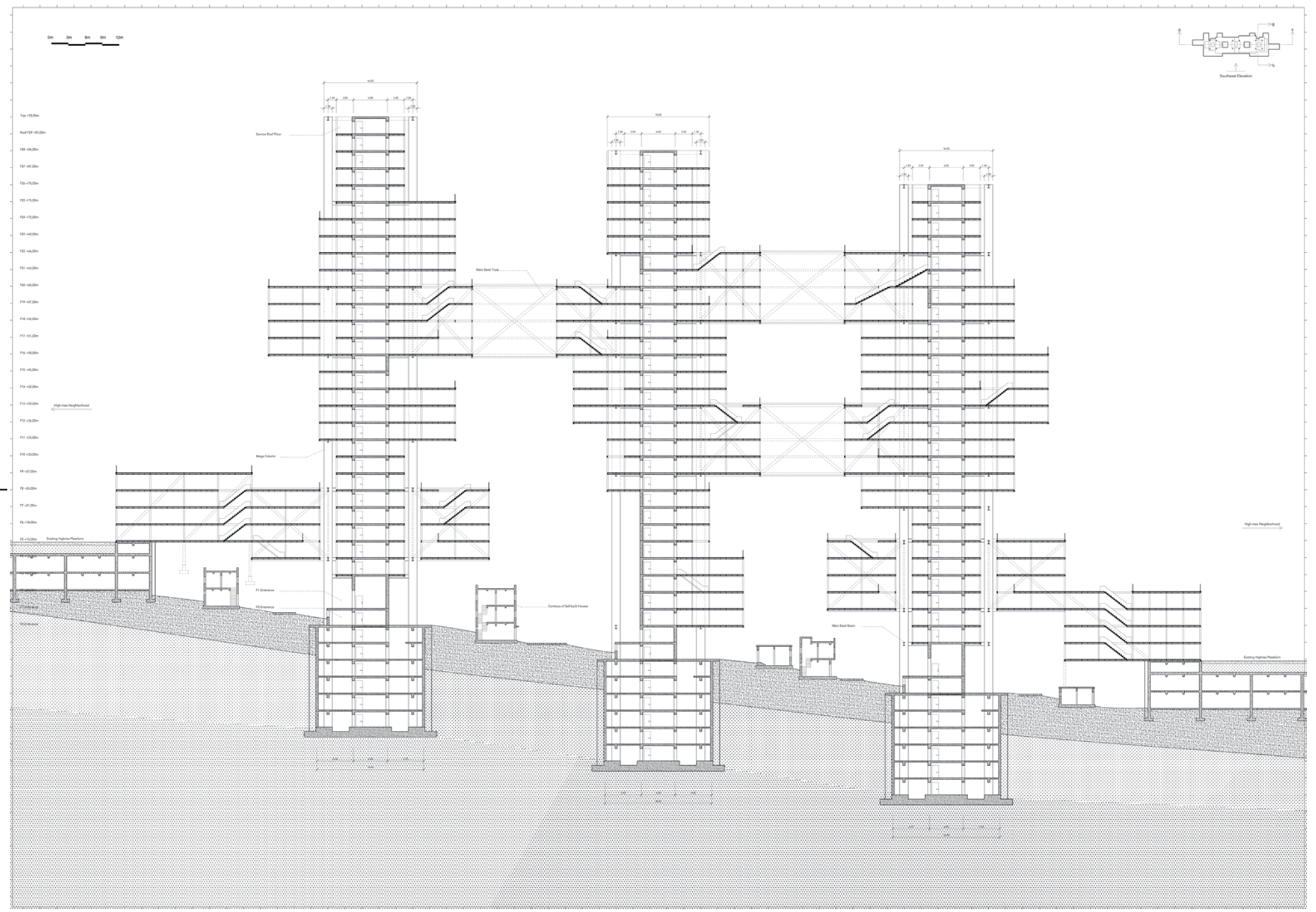


**Volume Assemblage\_\_Structure**



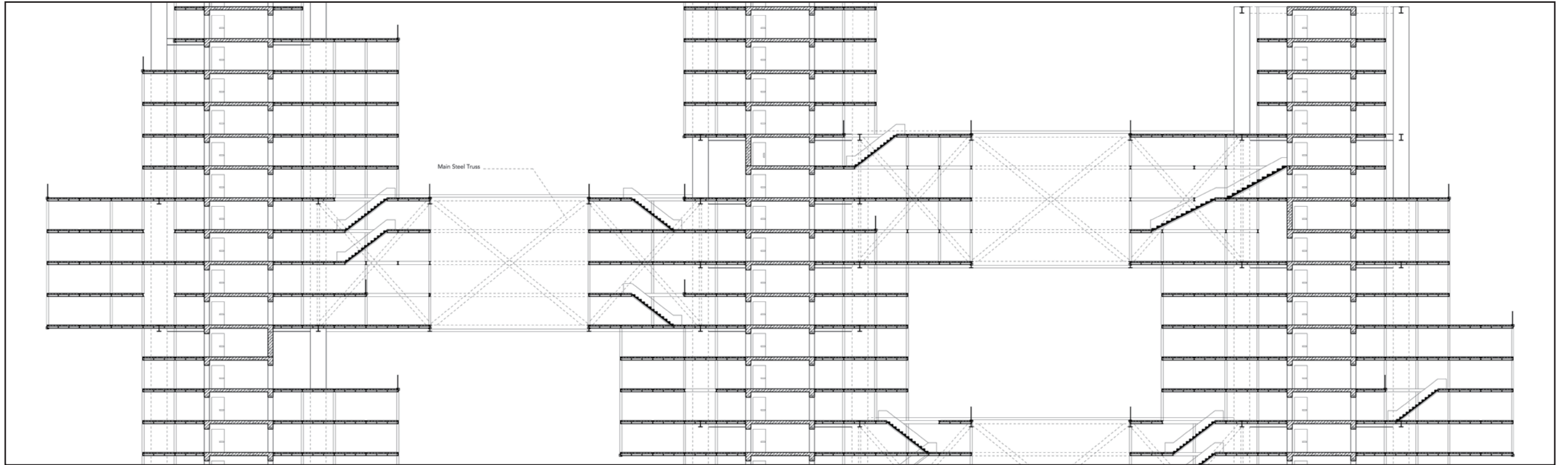
**Volume Assemblage\_\_Structure**

Hise-rises ←

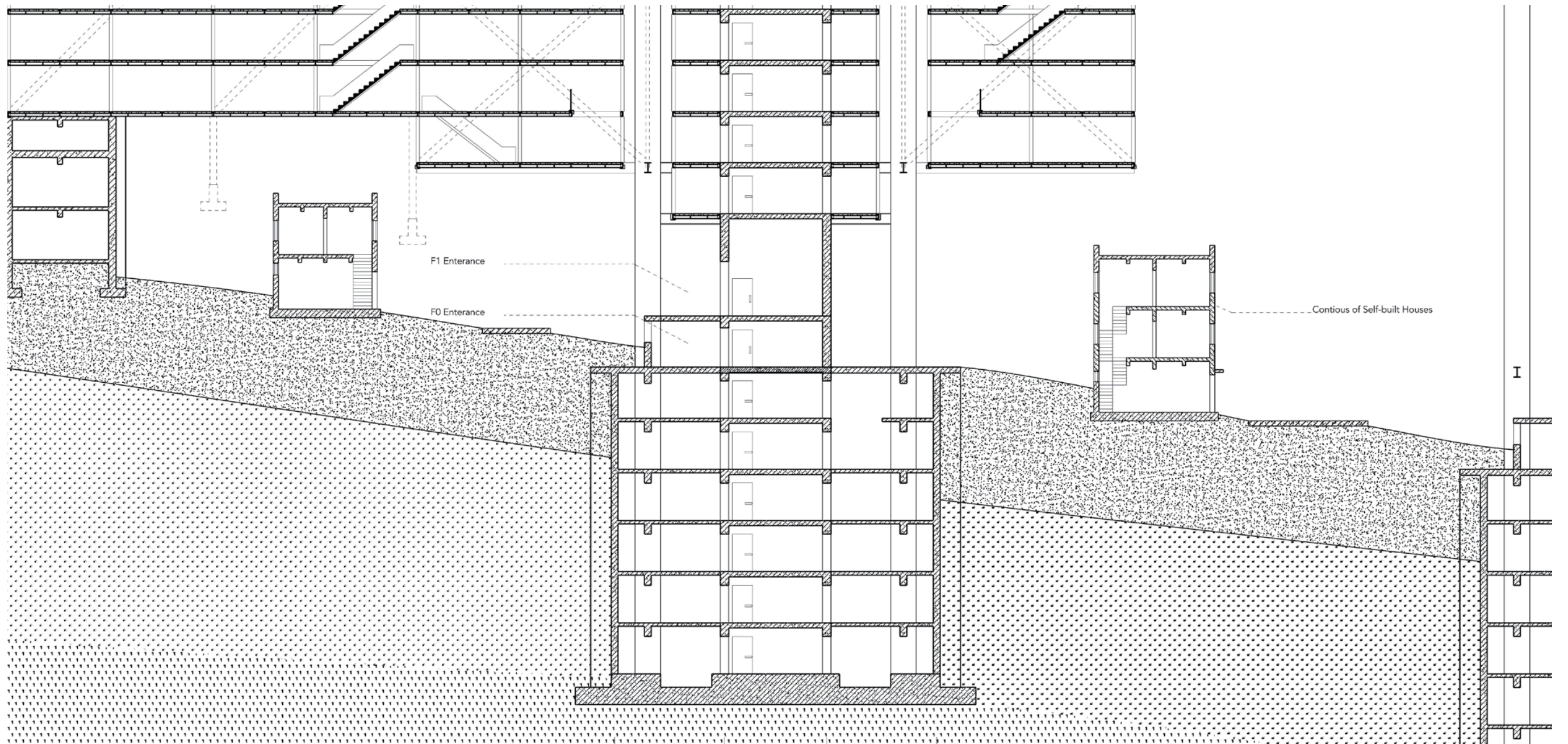


→ High-rises

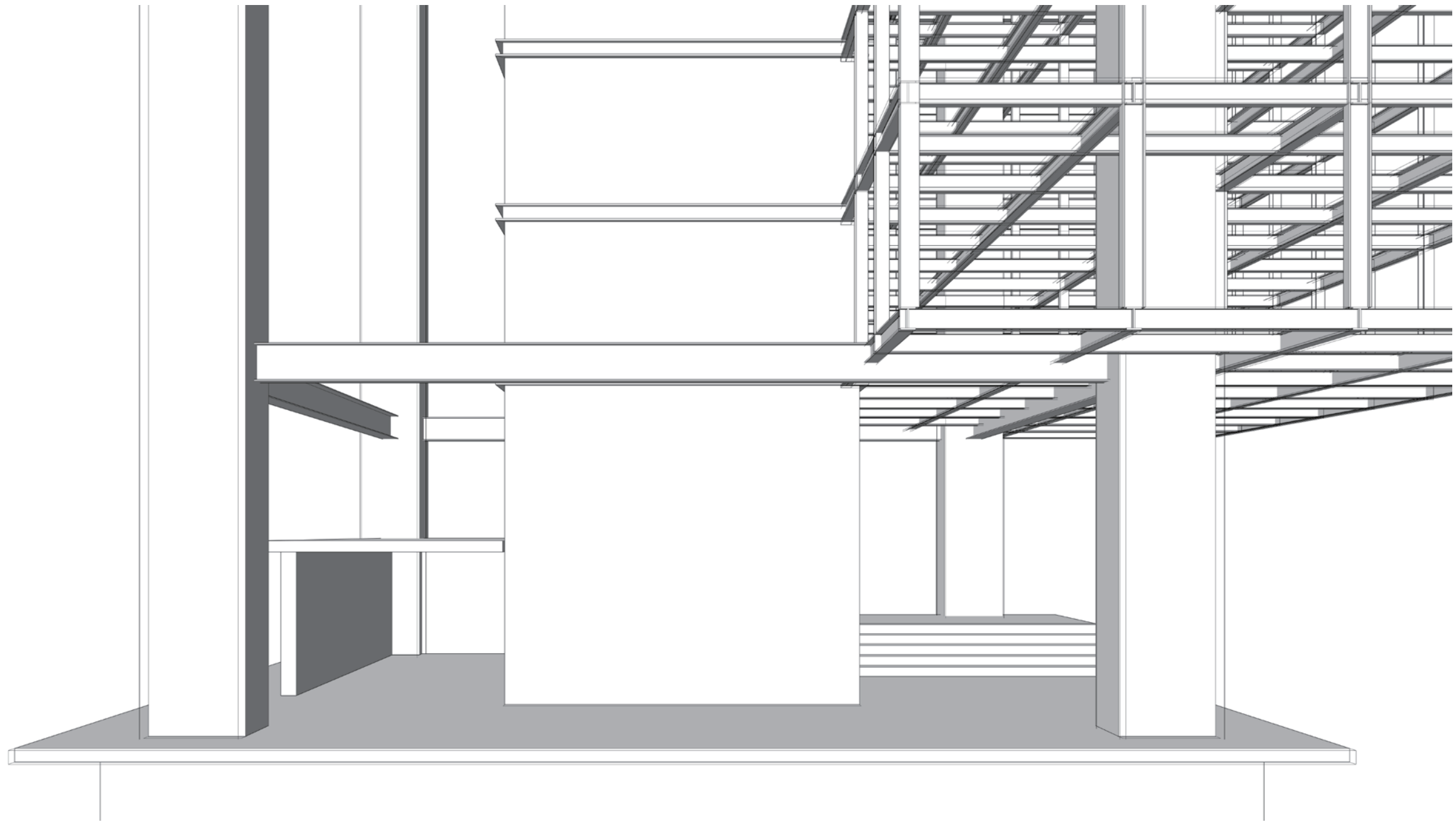
**Structural section**



**Structural section\_Zoom in**



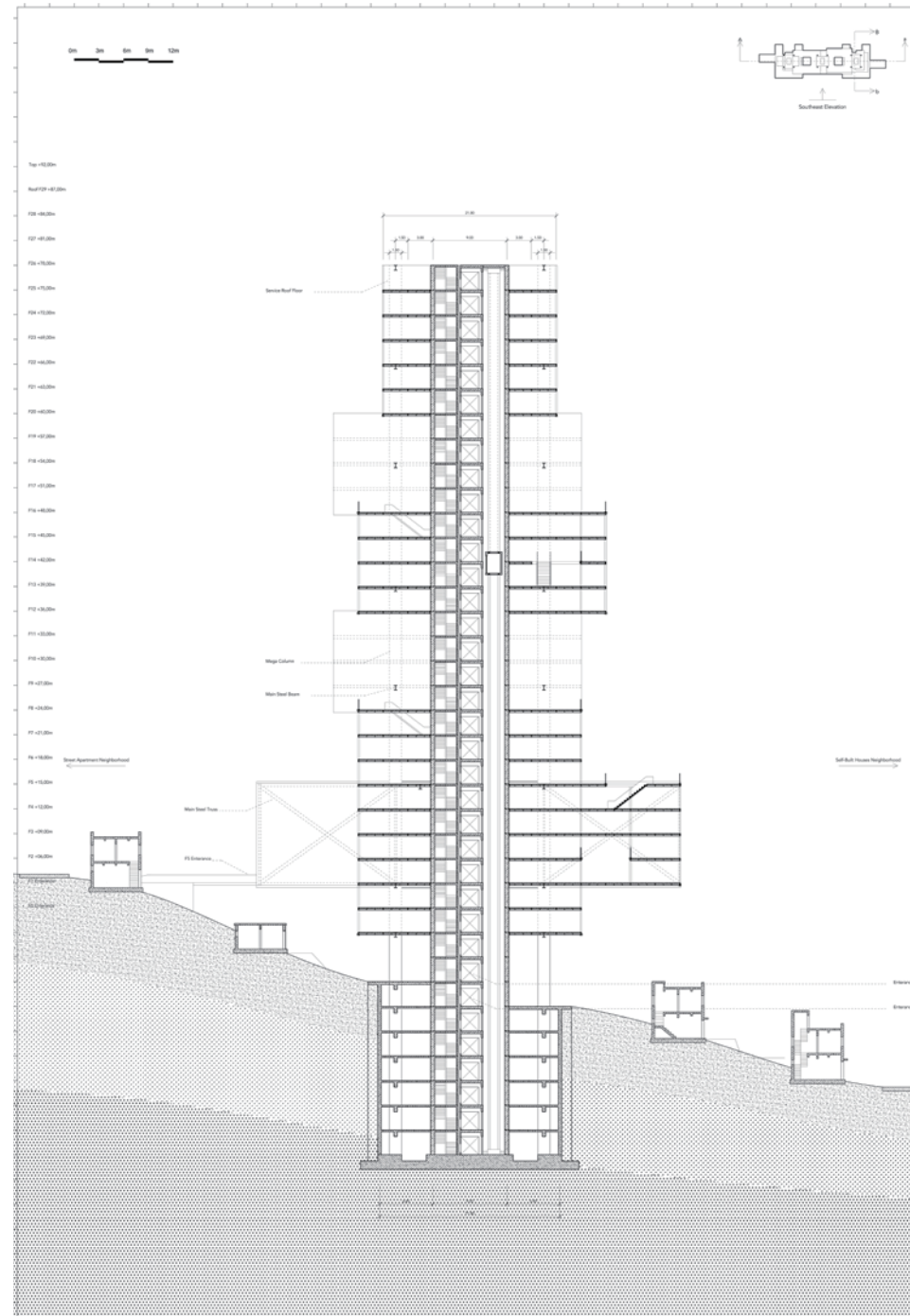
Structural section\_Zoom in



**Perspective\_Enterance**

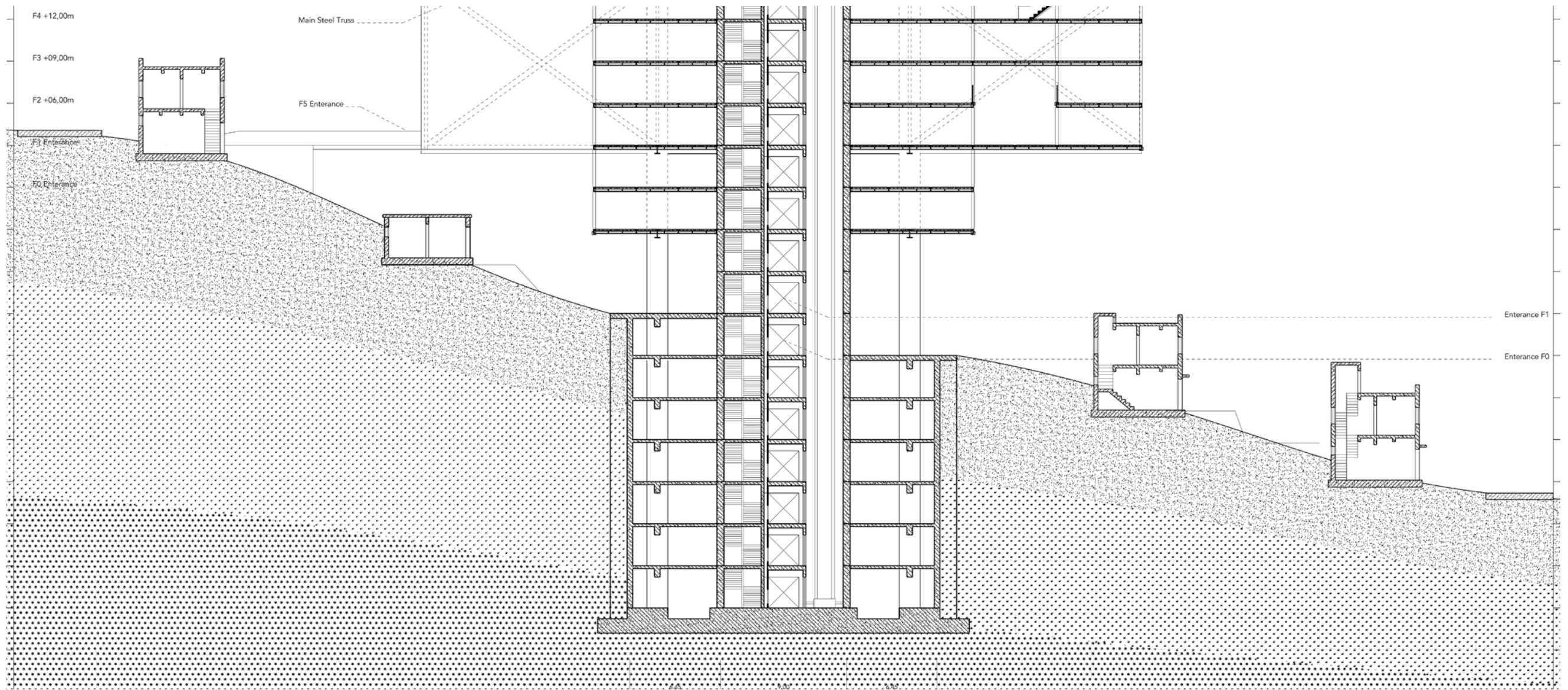


Street Apartments ←

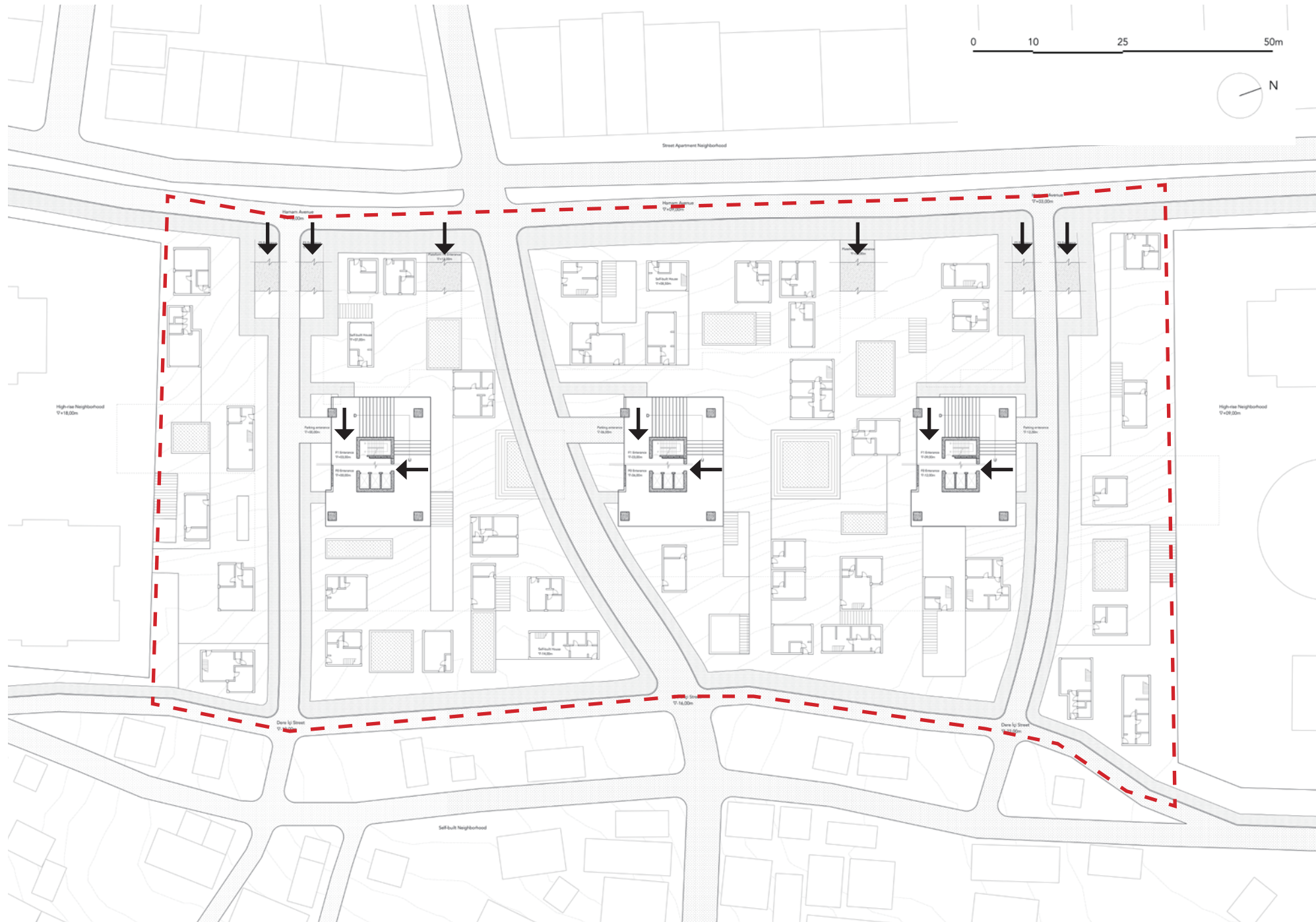


→ Self-builts

**Structural section**



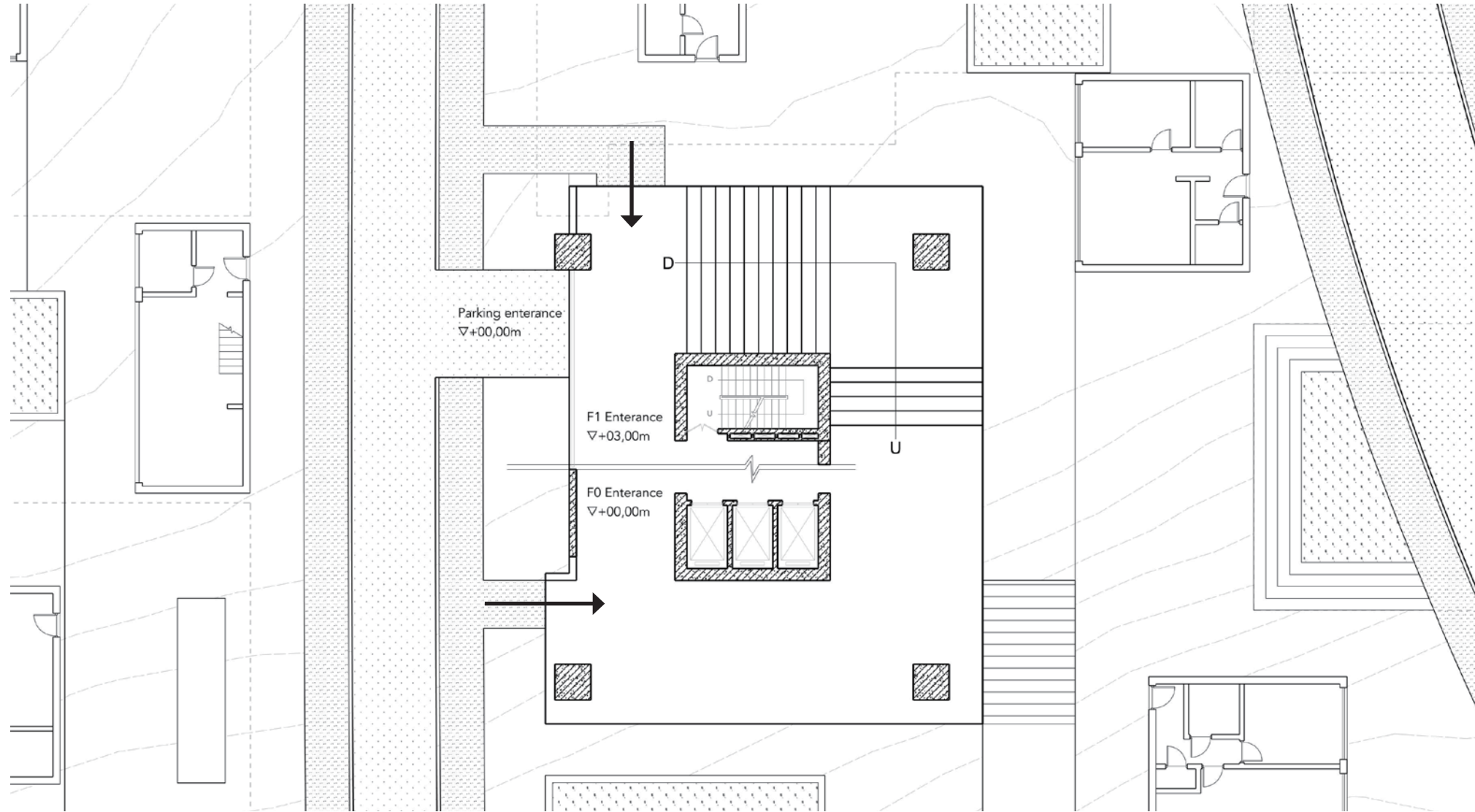
**Structural section** Zoom in



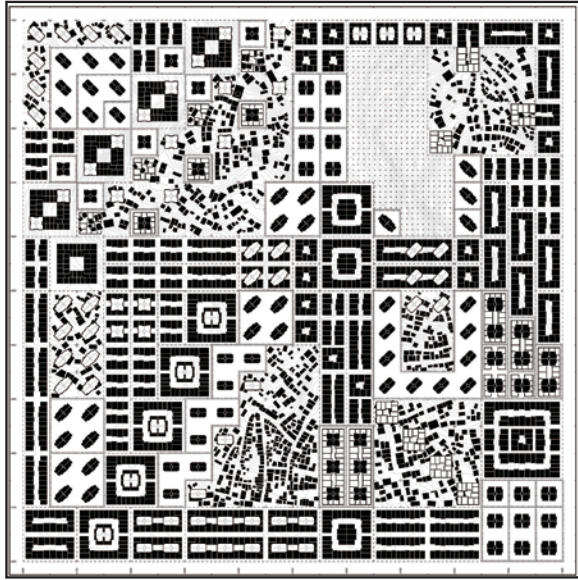
# Ground plan

## Design Indexs

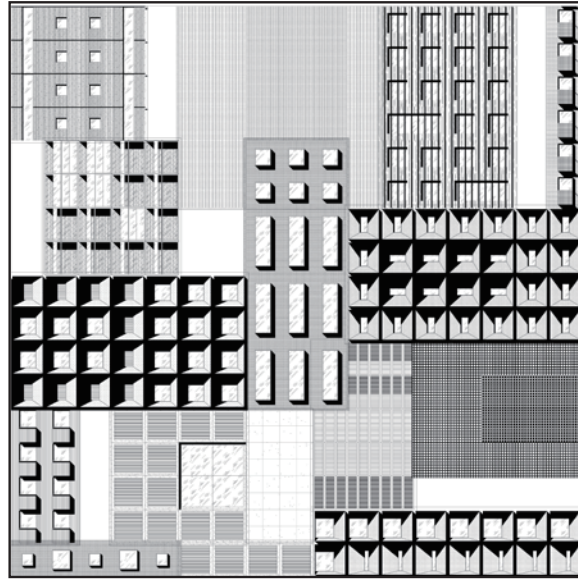
- Site area: 15500sqm
- Total floor area: 60800sqm
- Built up area: 3800sqm
- Major building number: 3
- Floor level: 32
- Height: 96m
- Plot ratio: 4,0
- Total residential area: 27043sqm
- Total service area: 23200sqm
  
- Residential unit number: 457
- Total service unit: 126
  
- Studio: 54units-36sqm/ 6units-54sqm
- Loft: 24units-90sqm
- Patio: 24units-81sqm/ 12units-108sqm
- Homeoffice: 14units-72sqm/ 14units-108sqm
- Hotel apartment: 24units-18sqm/ 40units-27sqm
- 1-bedroom flat: 100units-54sqm/ 56units-64sqm
- 2-bedroom flat: 54units-81sqm
- 3-bedroom flat: 24units-108sqm/ 20units-135sqm



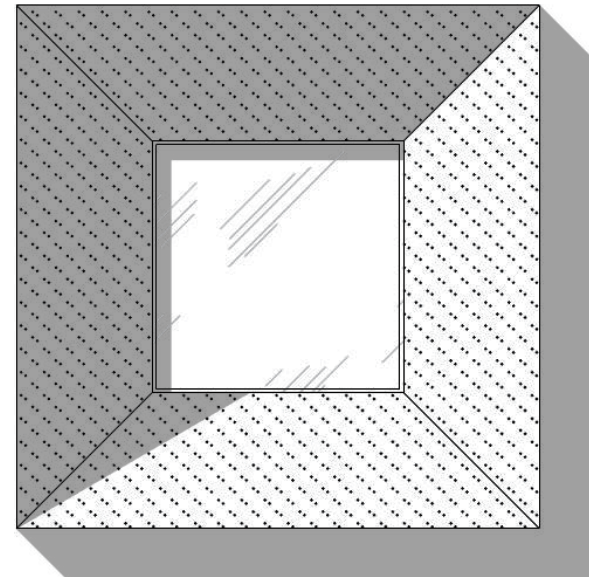
**Ground Plan**\_Zoom in



**URBAN**  
**1000M**

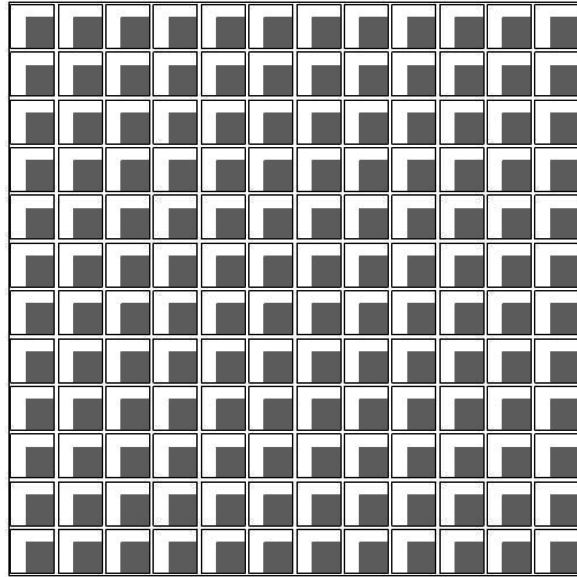


**ARCITECTURAL**  
**50M**

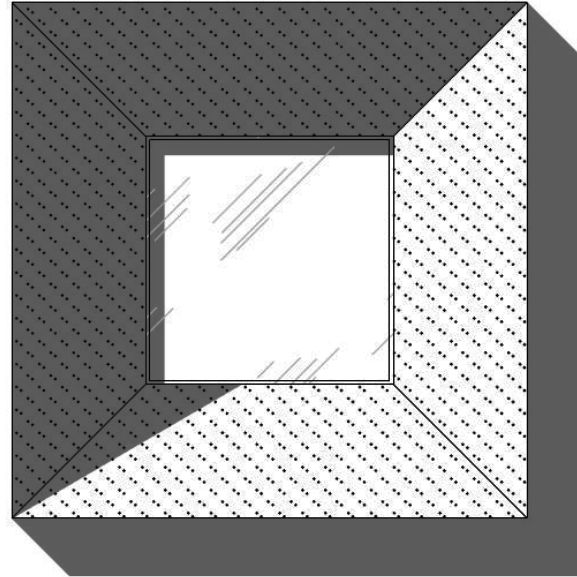


**FACADE&INTERIOR**  
**3M**

**Experiment IV\_\_Facade patterning**



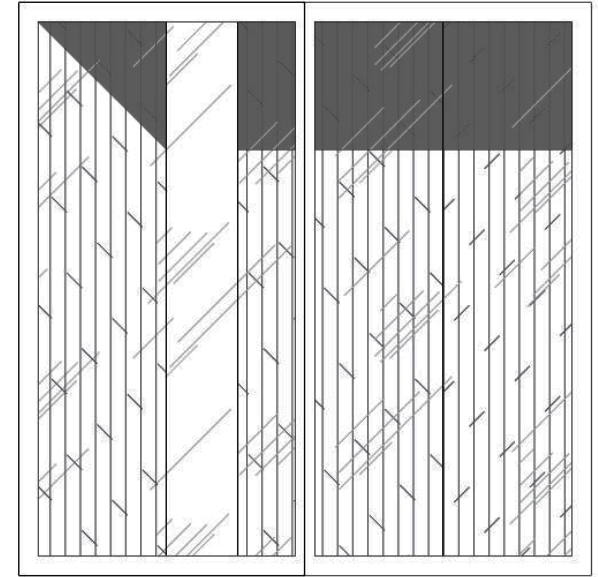
*Enclosed-Flat*



*Sculptural*

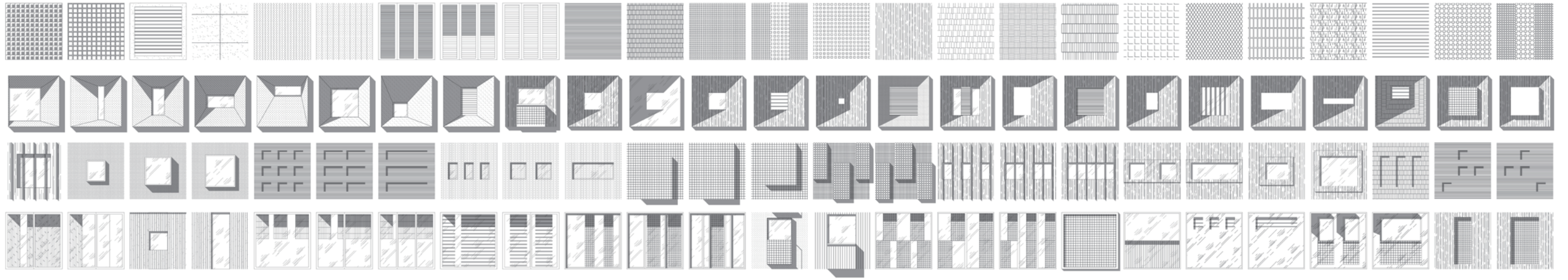


*Sculptural-Flat*

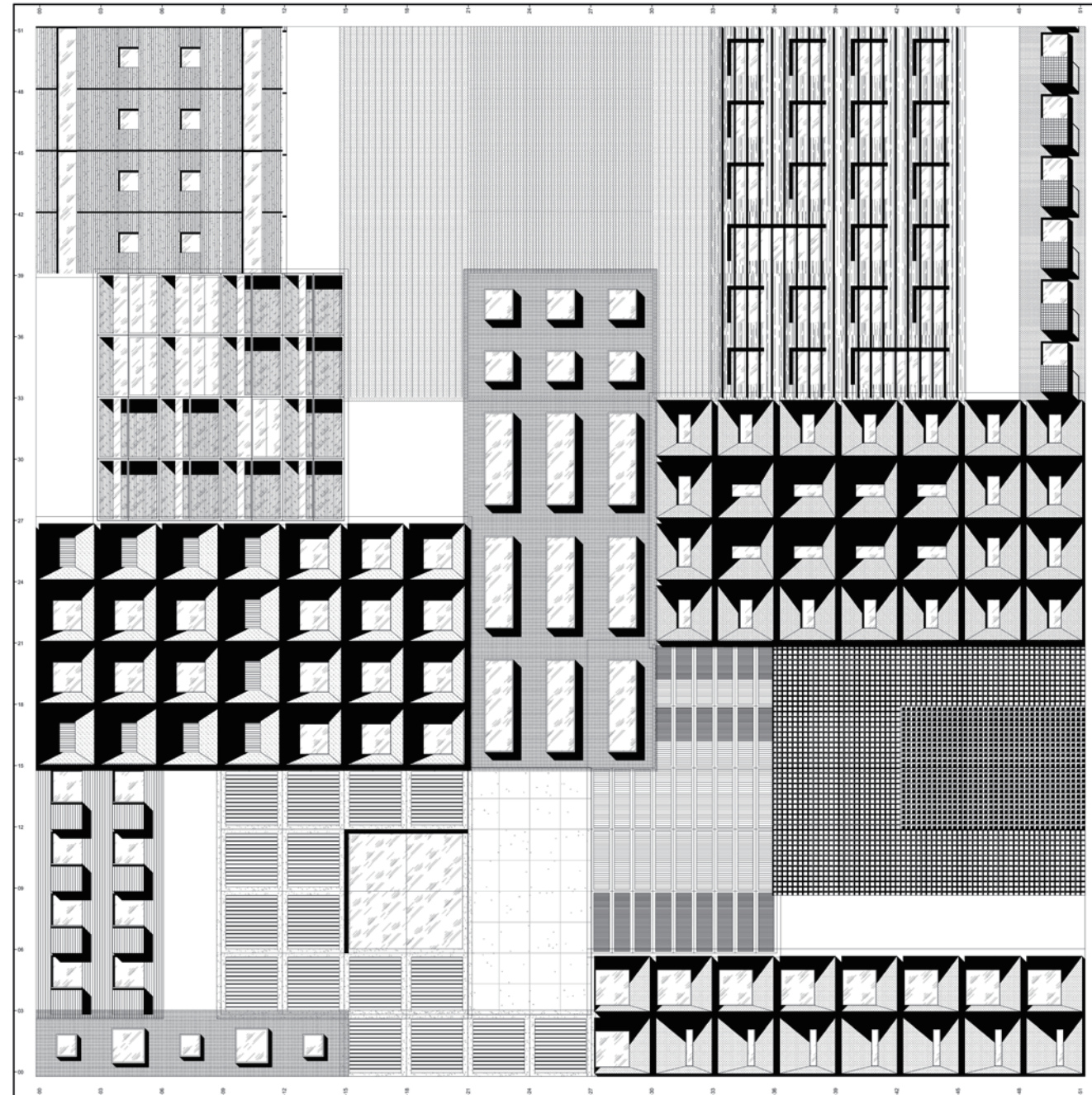


*Open-Flat*

**Experiment IV\_\_Prototypes**

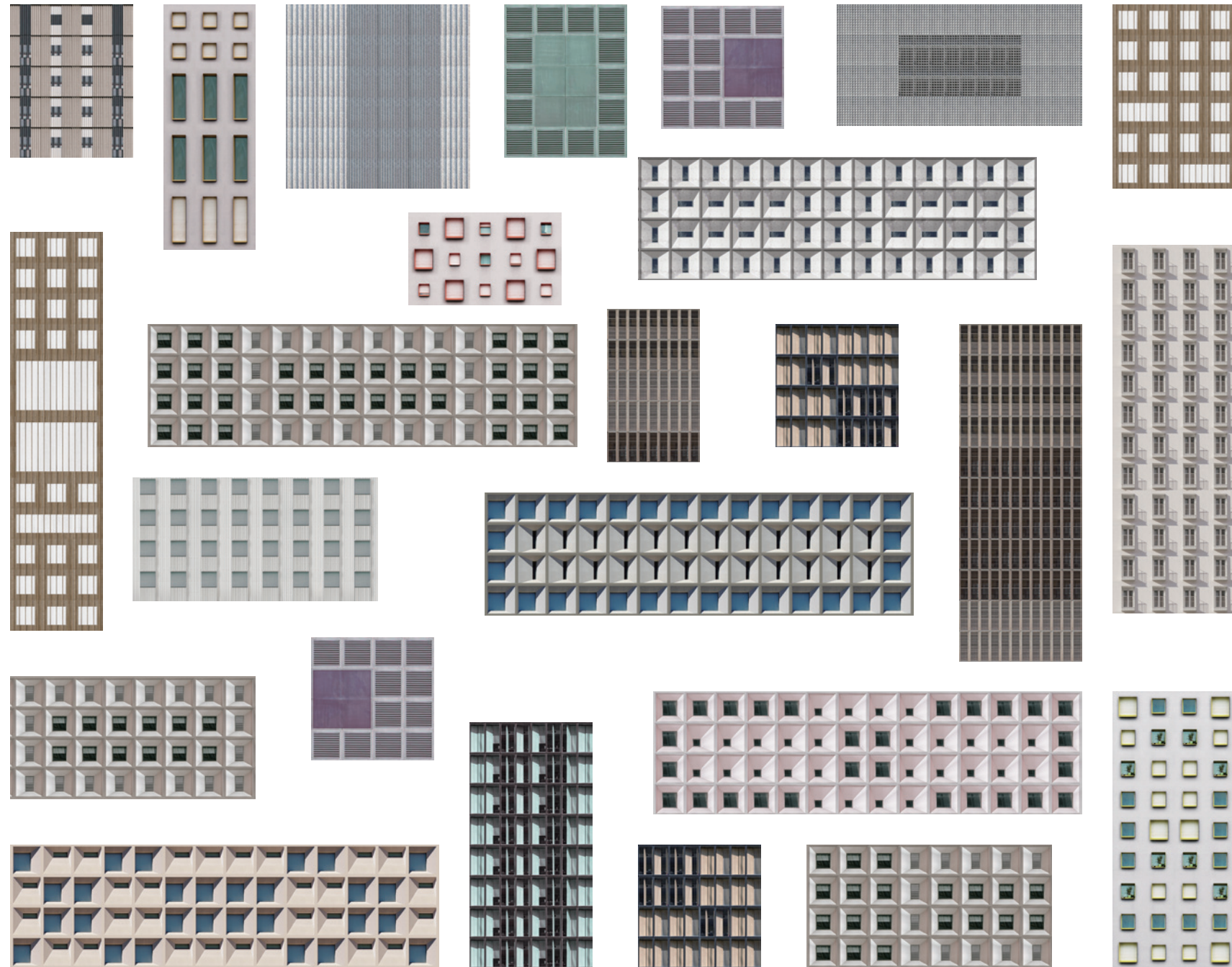


**Experiment IV\_\_Toolbox**

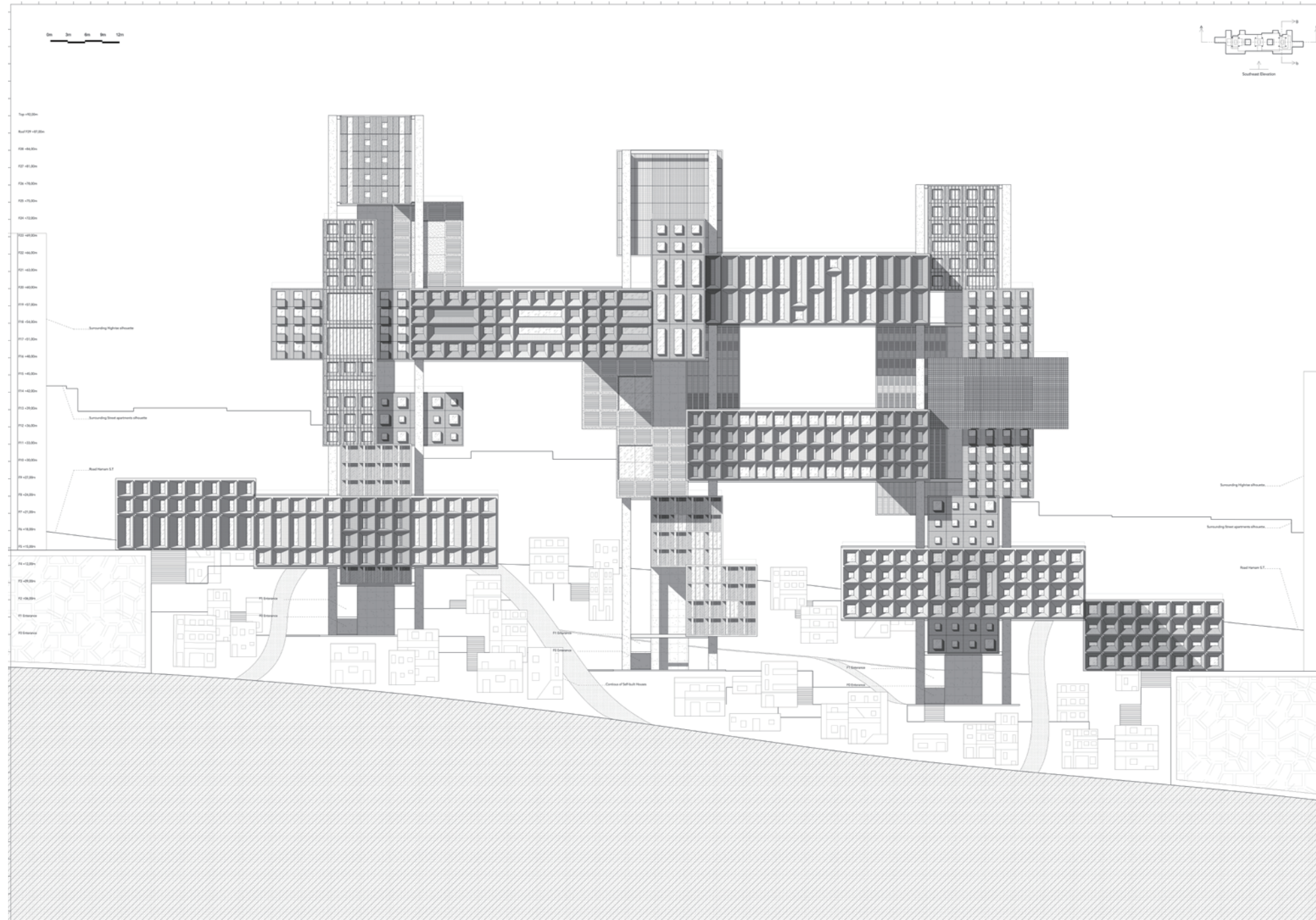


**Experiment IV\_\_Facade pattering**

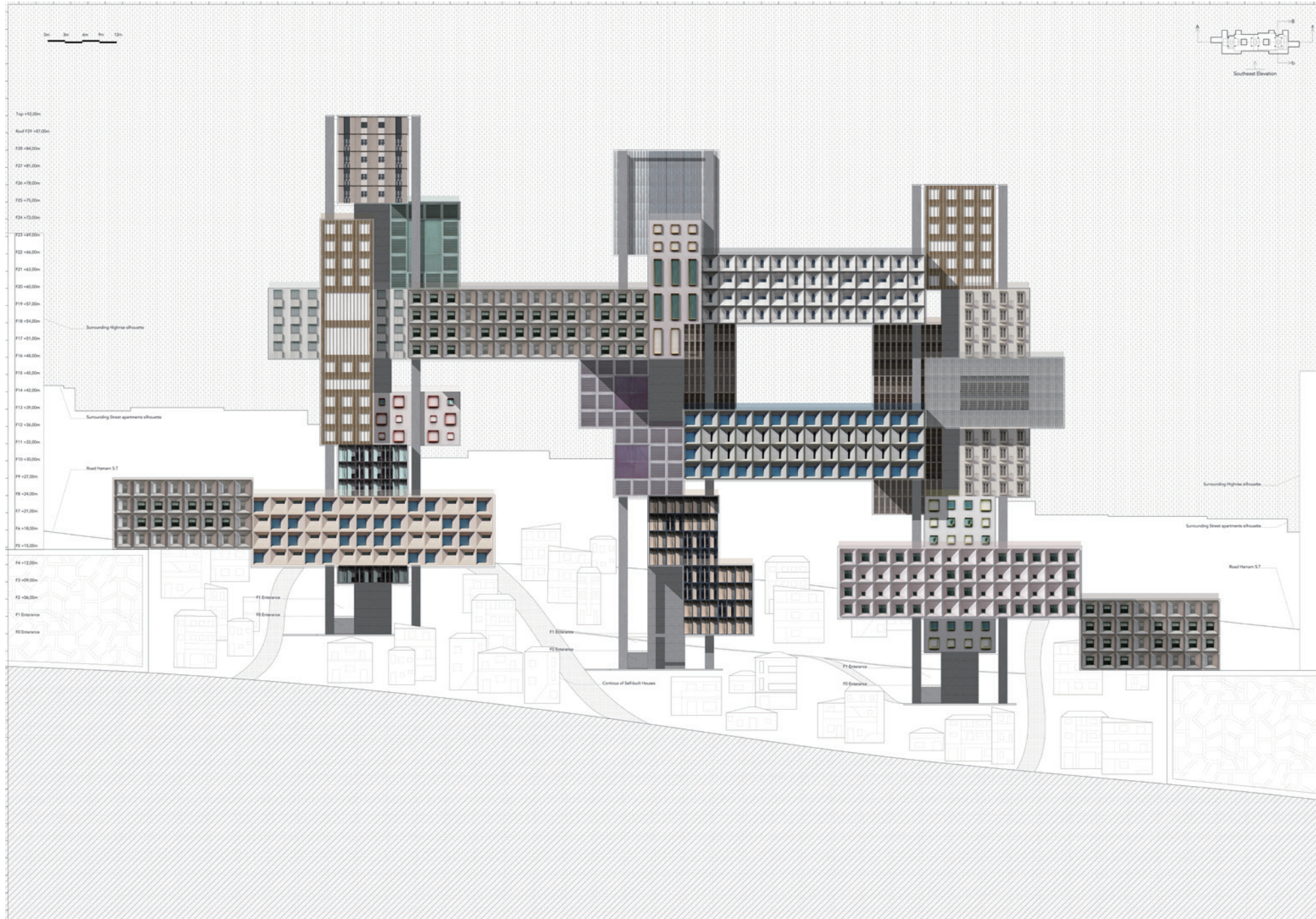




**Experiment IV\_\_Facade patterning**

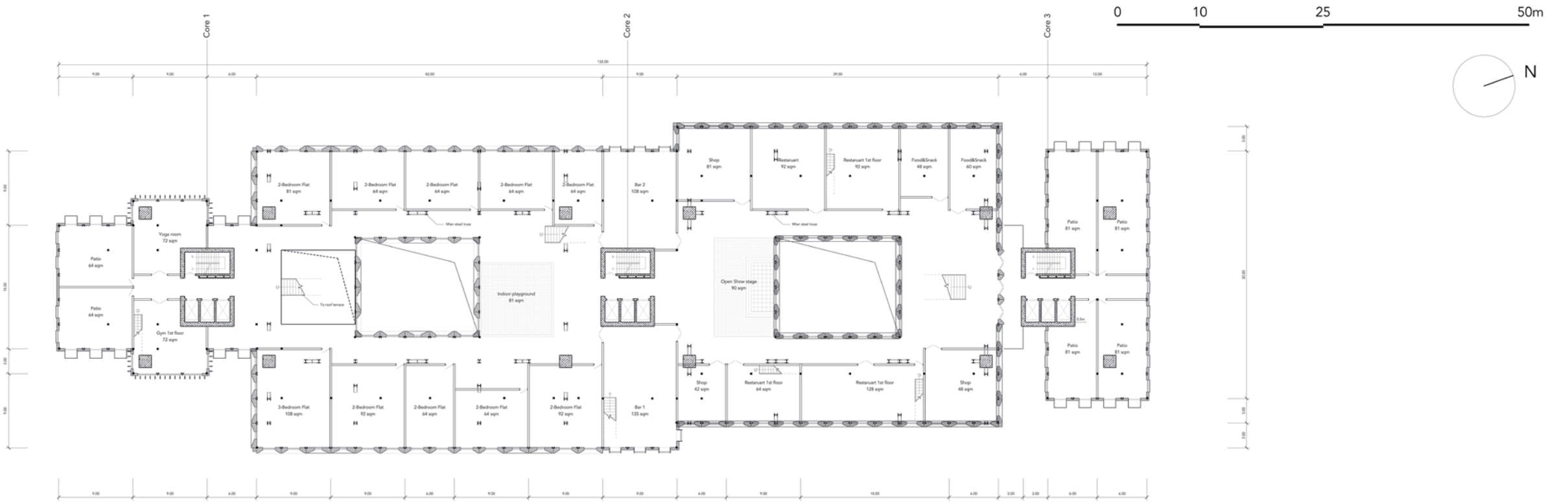


**Experiment IV\_\_Eelvation**

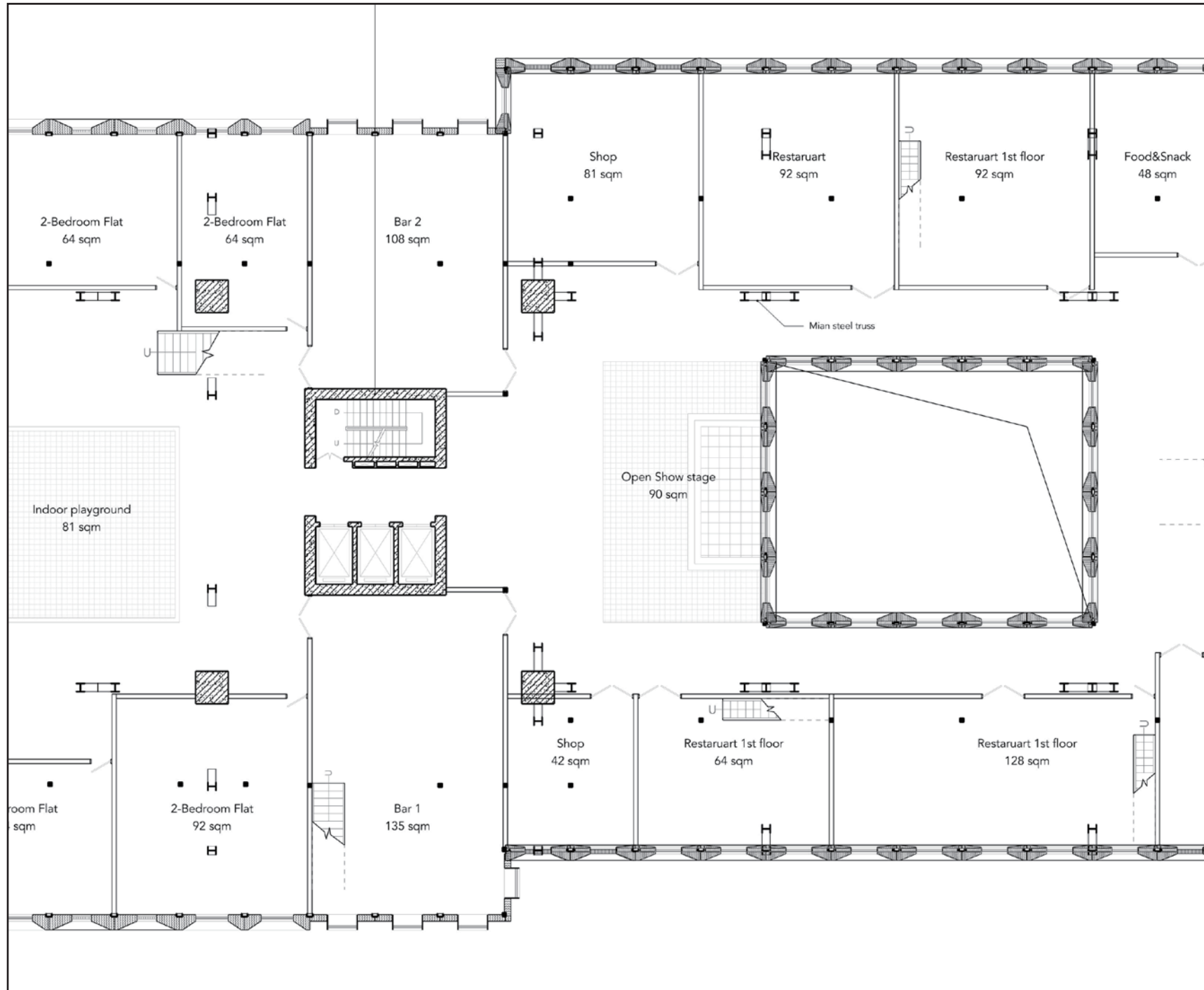


Experiment IV\_\_Elevation

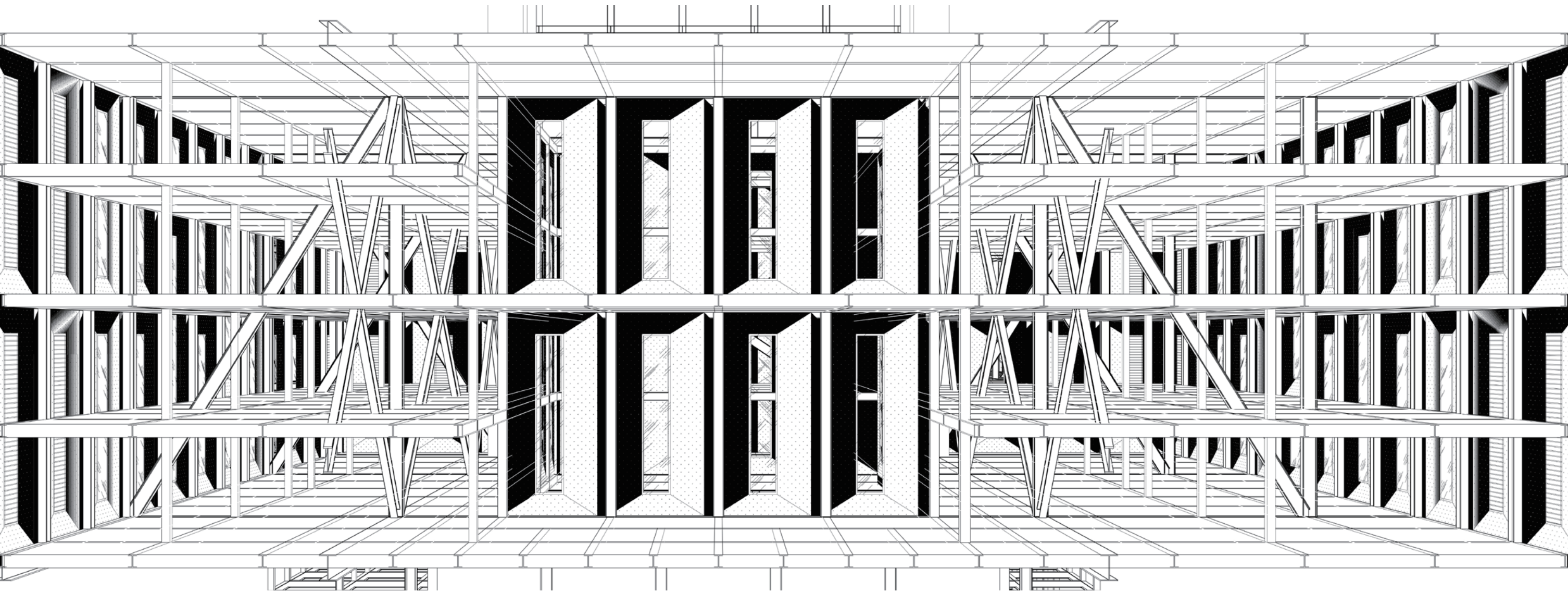
Floor area  
3681sqm



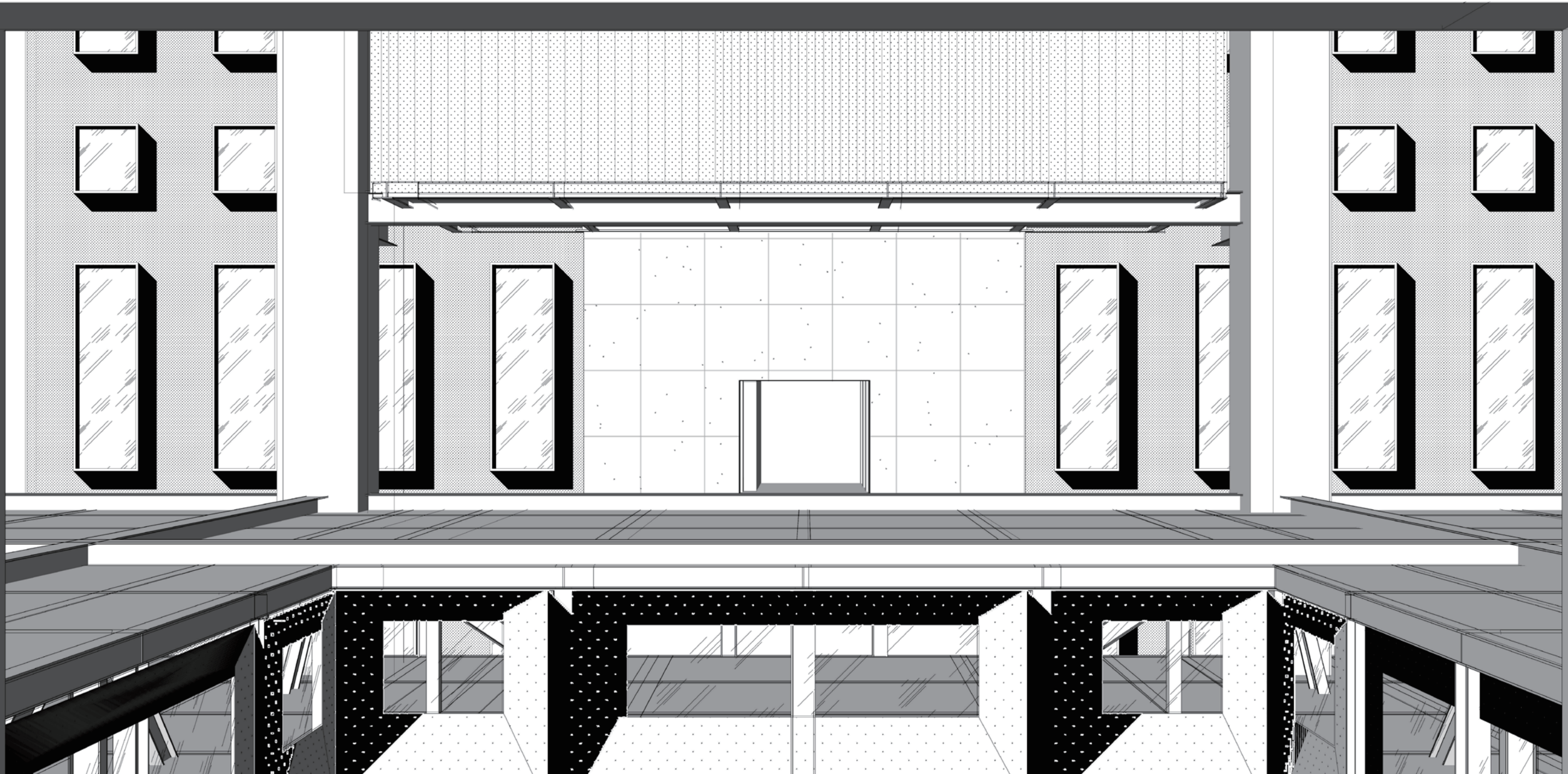
Floor Plan 18th



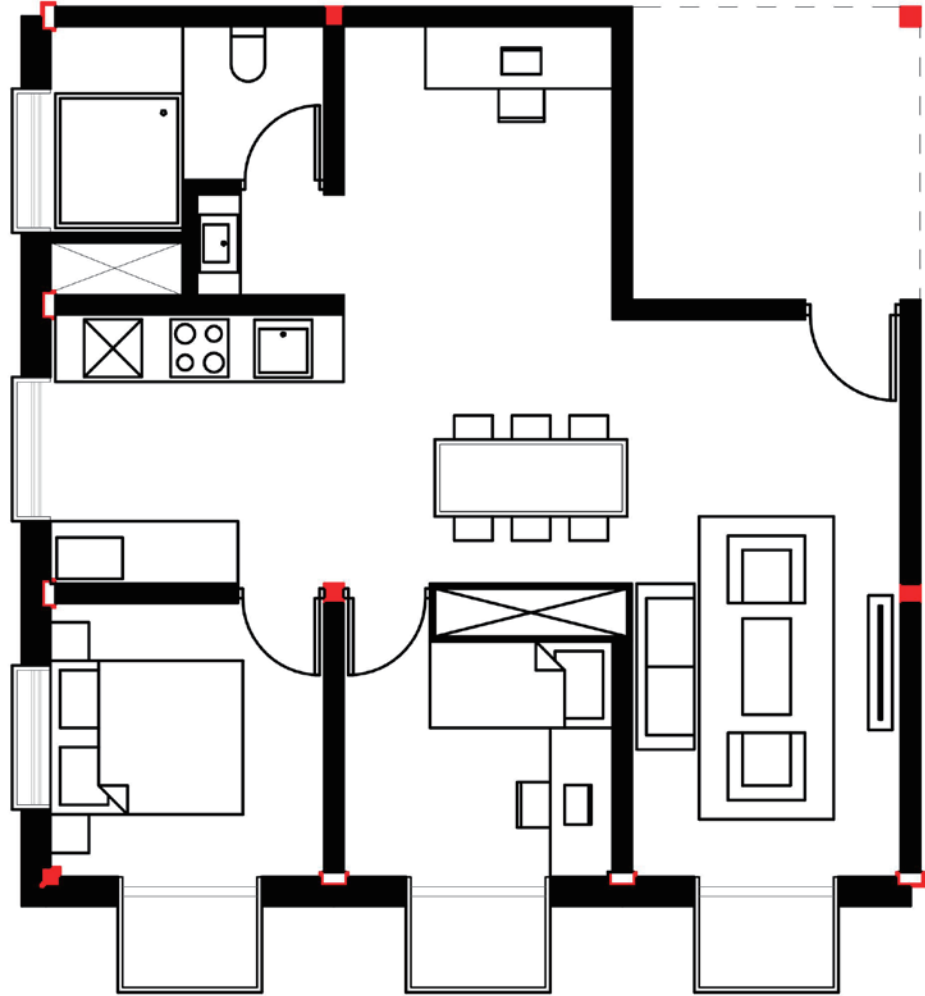
**Floor Plan 18th\_Zoom in**



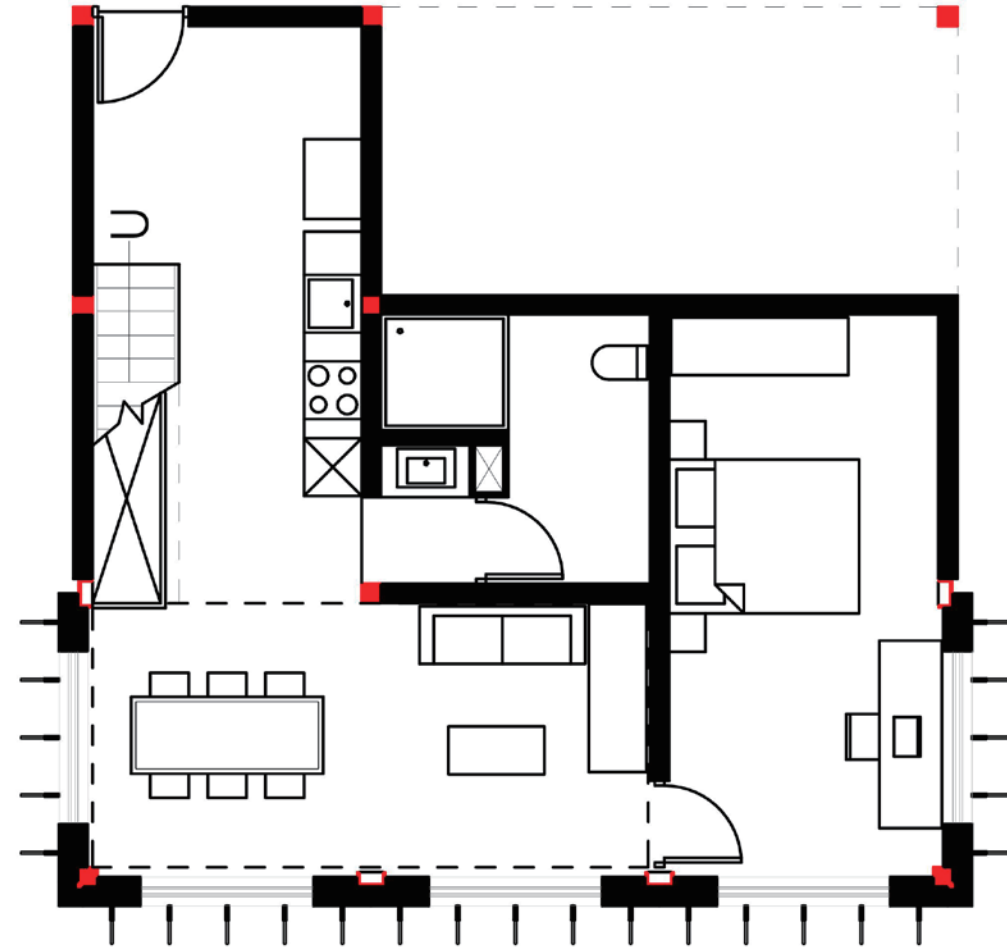
Perspective\_collective space



Perspective\_Roof terrace



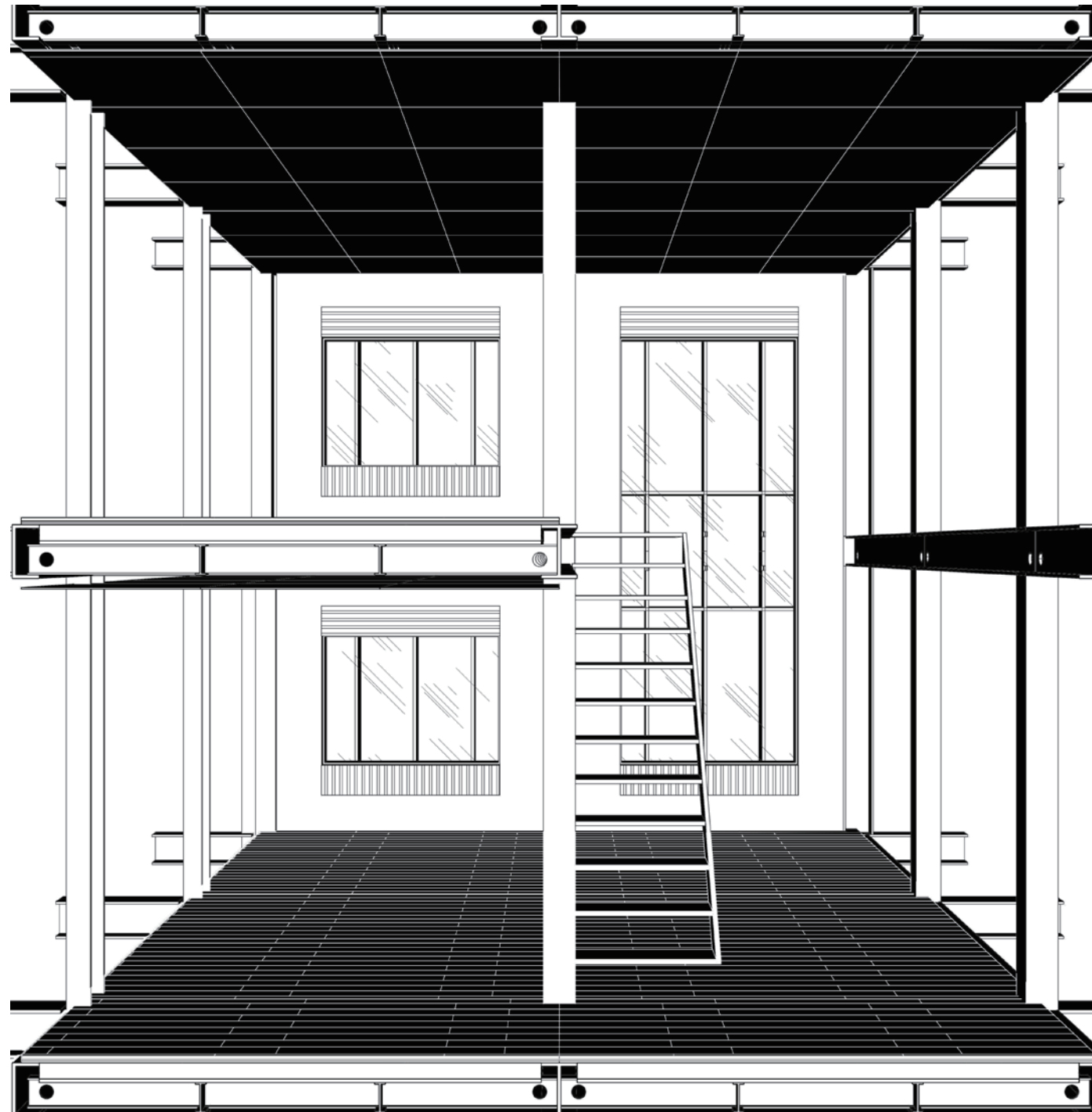
Patio 72sqm



Loft 63+45sqm

### Interior Plan\_Variations

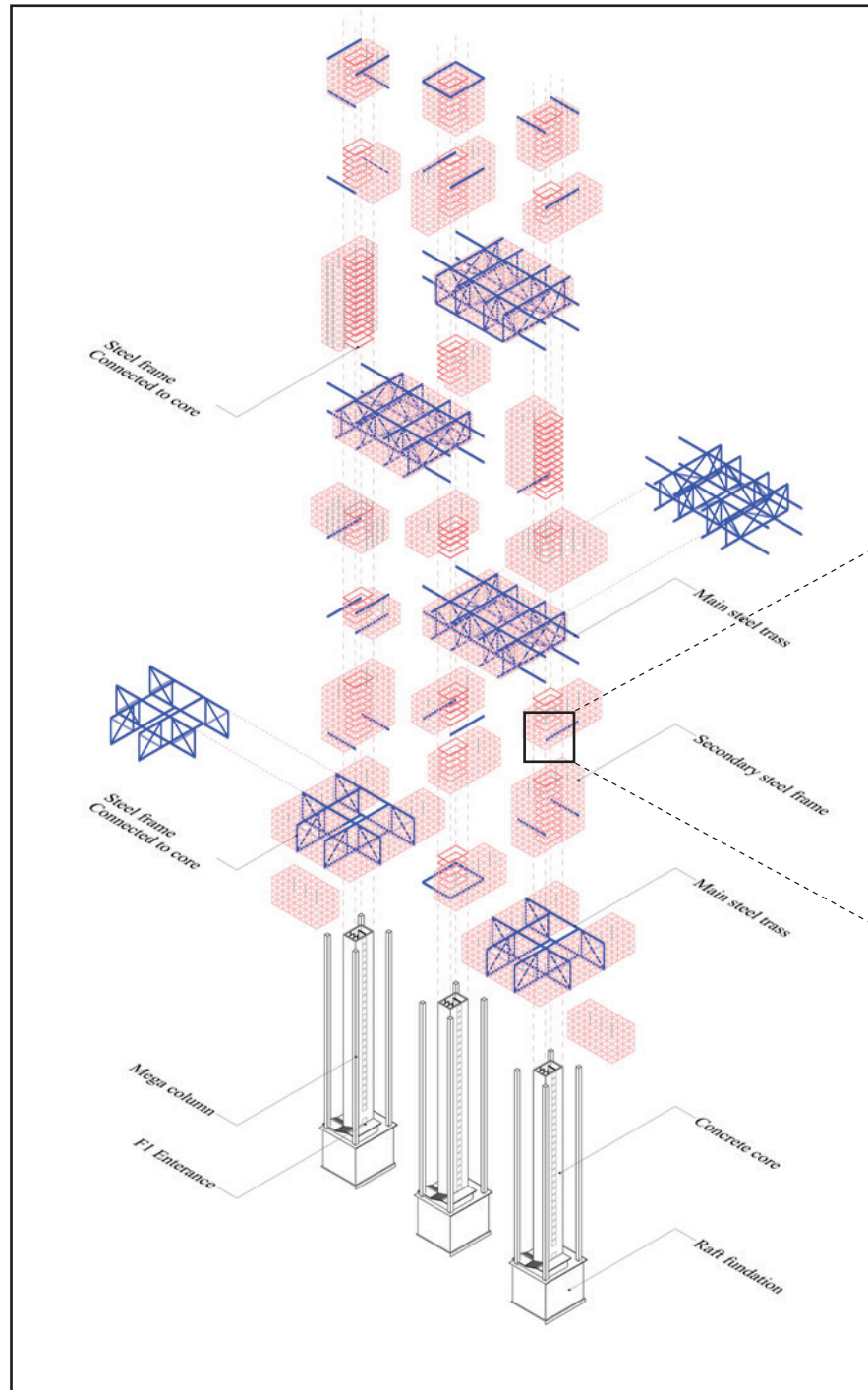




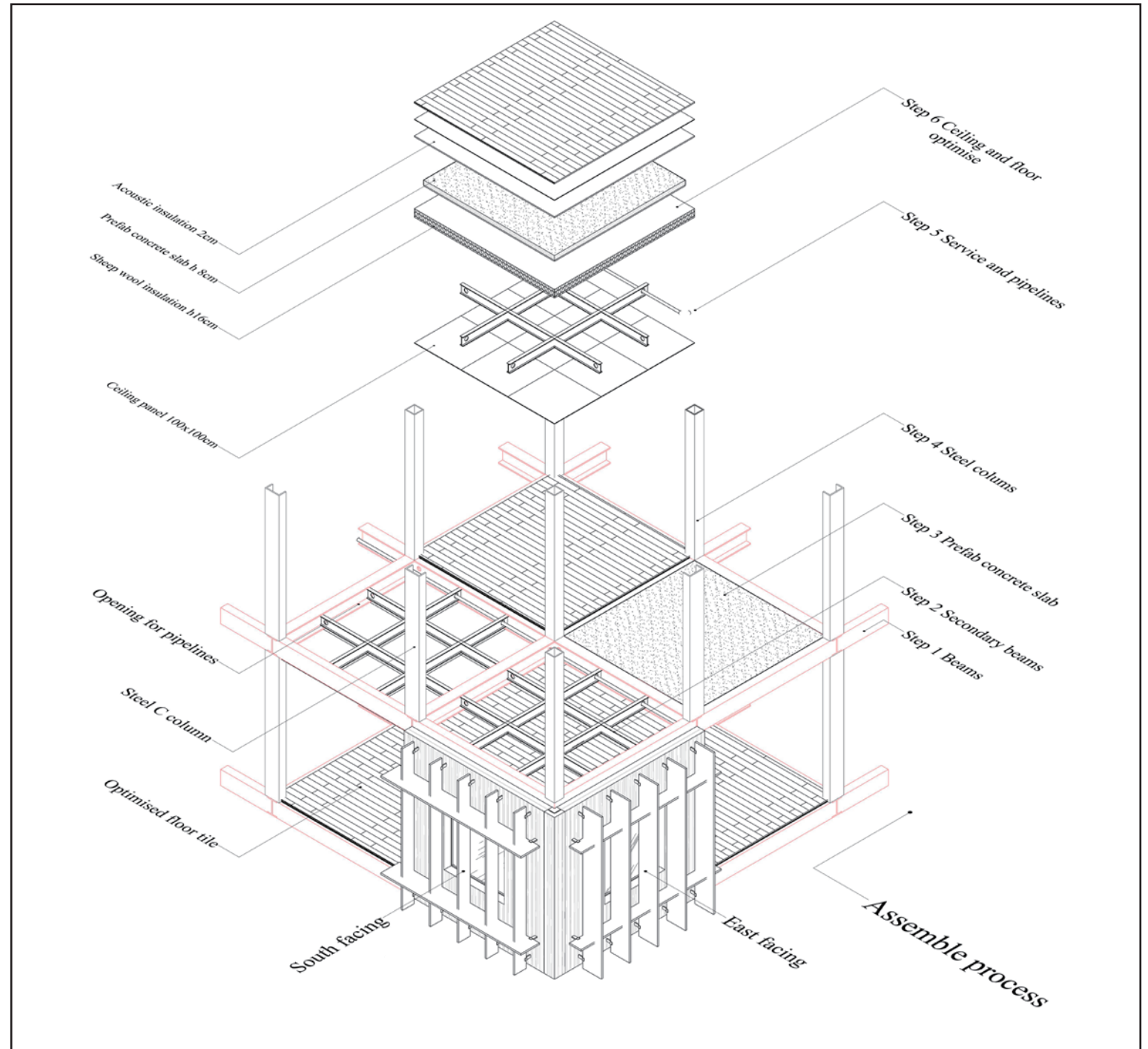
**Interior Plan\_Air/Water/Electric**



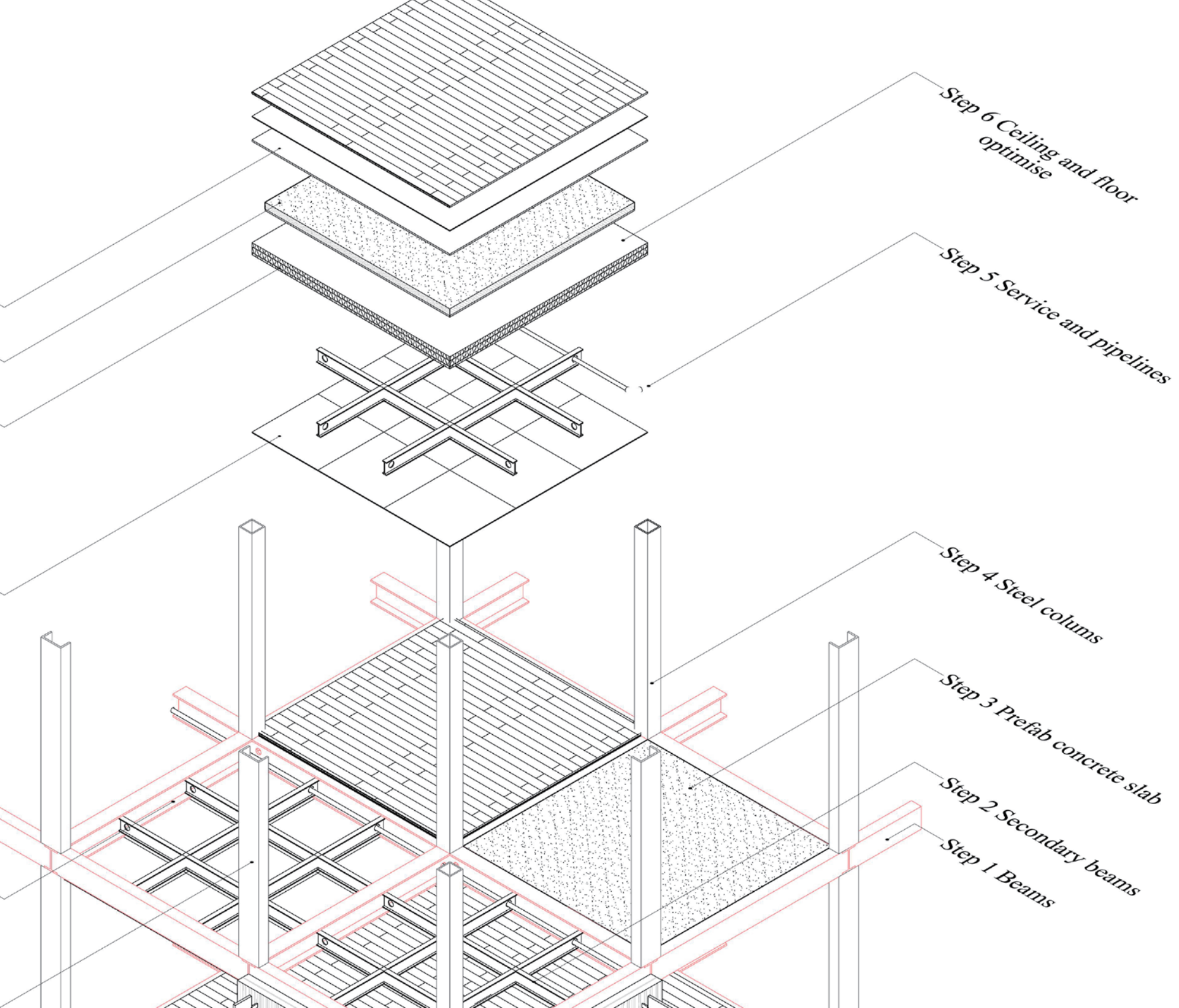
**Corner model\_\_Facade**



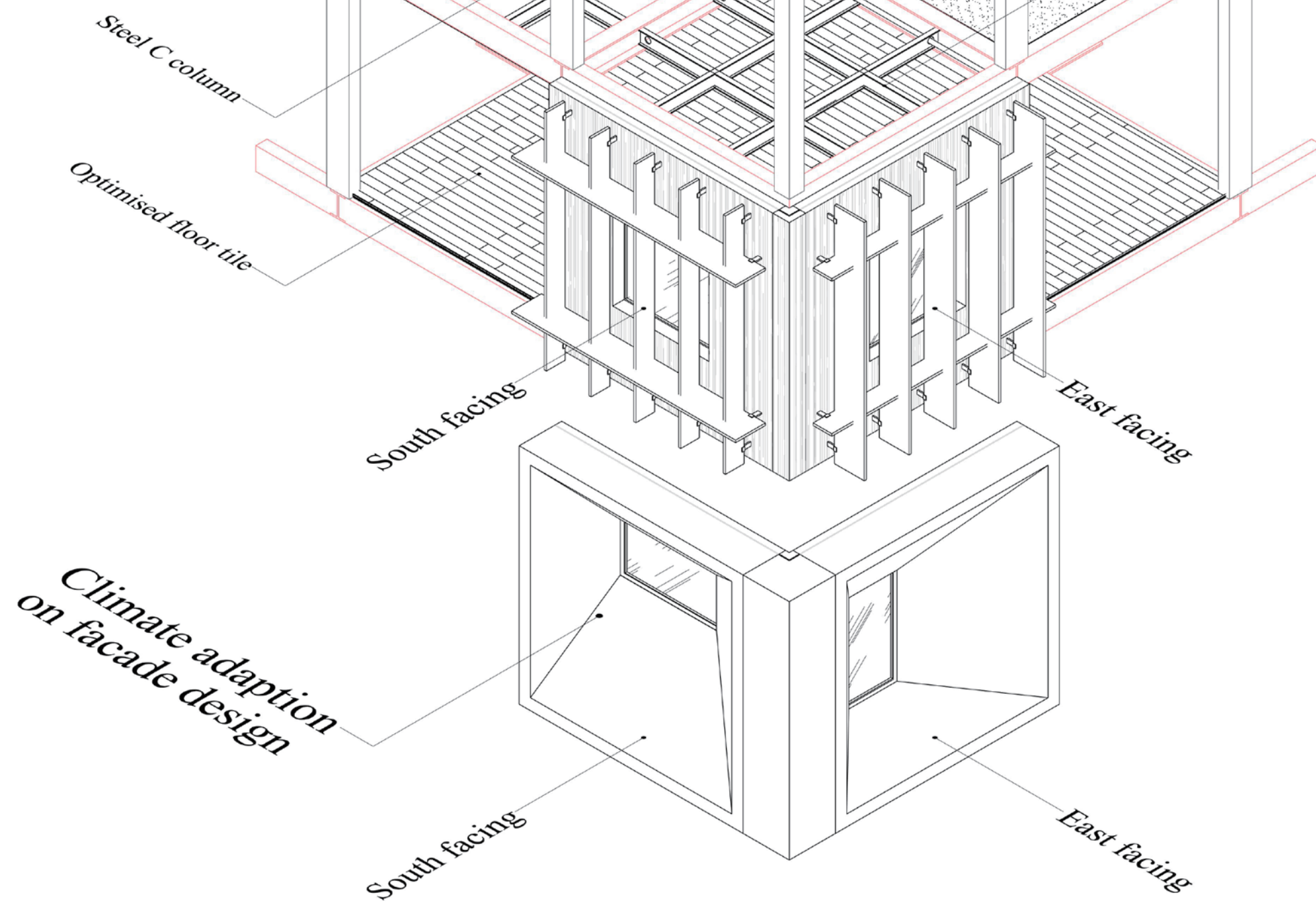
General structure



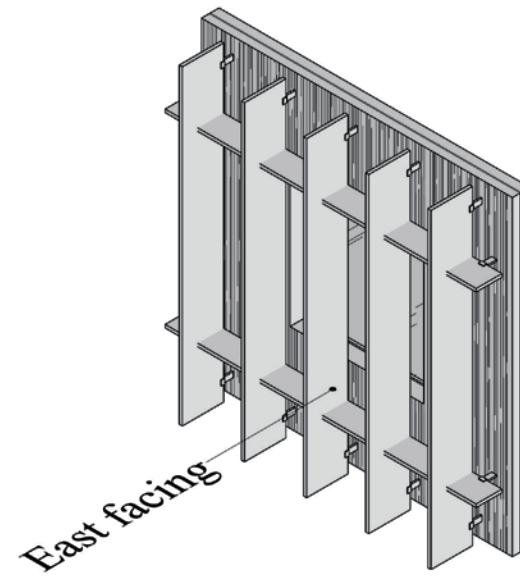
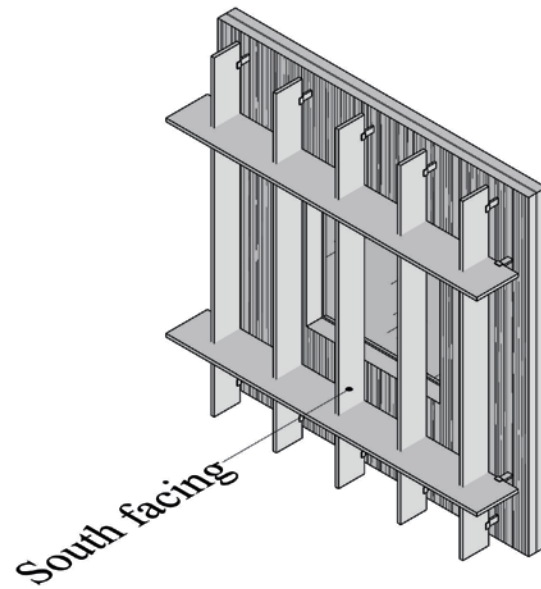
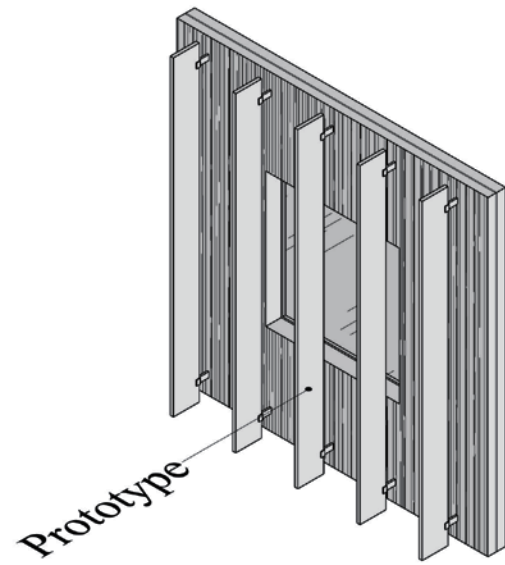
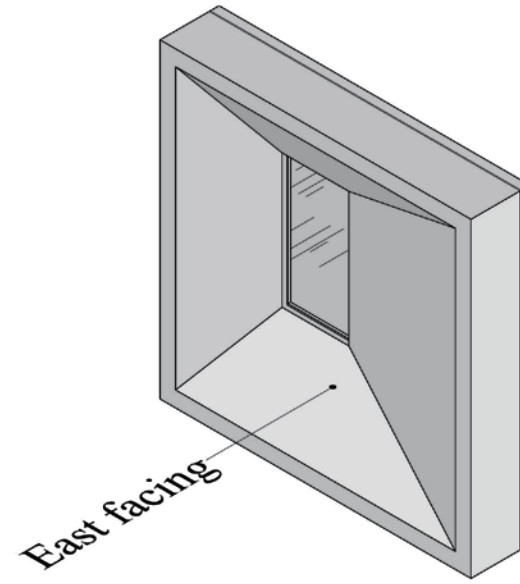
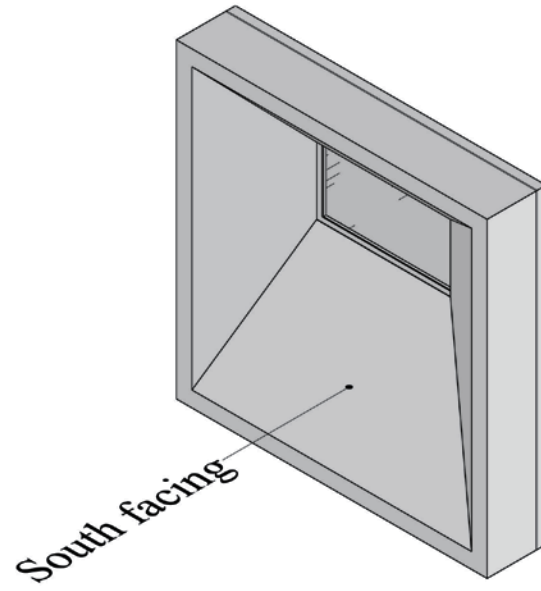
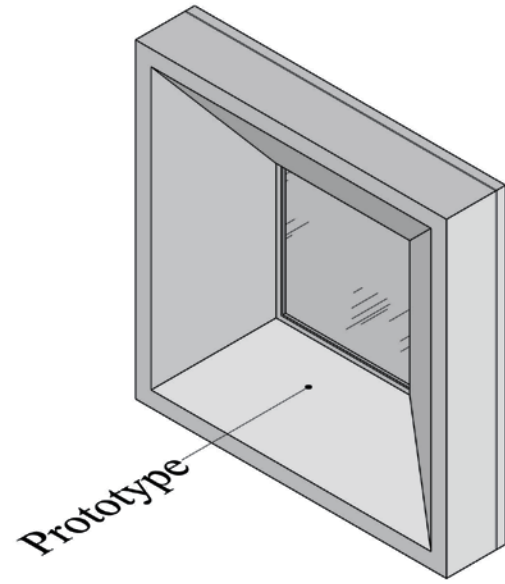
Detailed structure



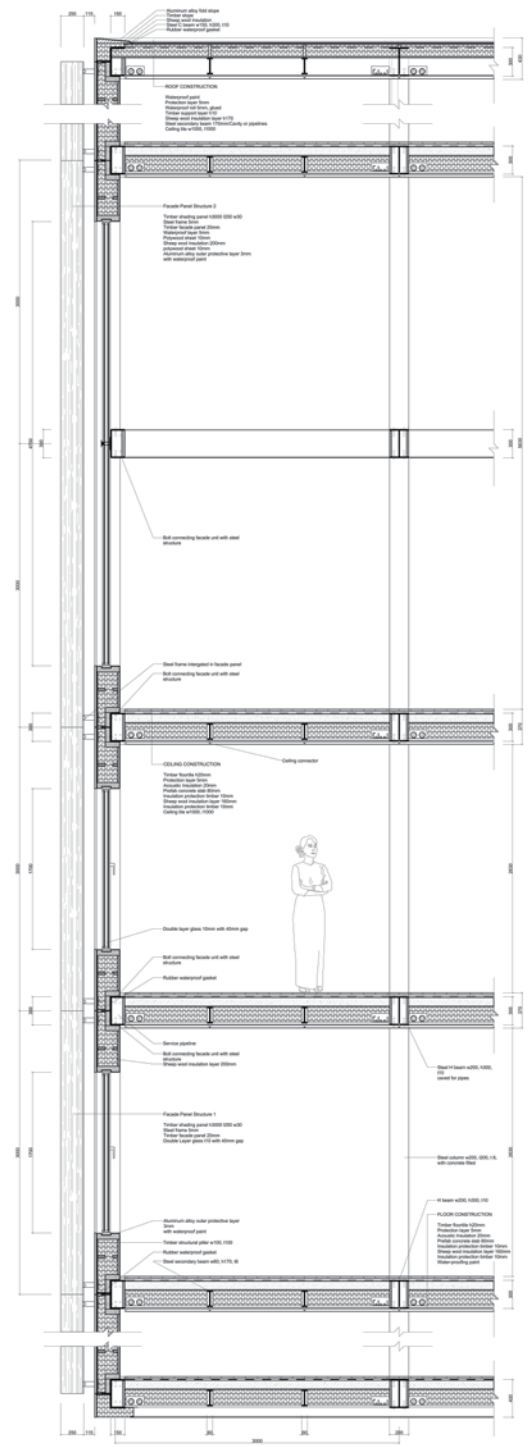
**Assemble/Circularity**



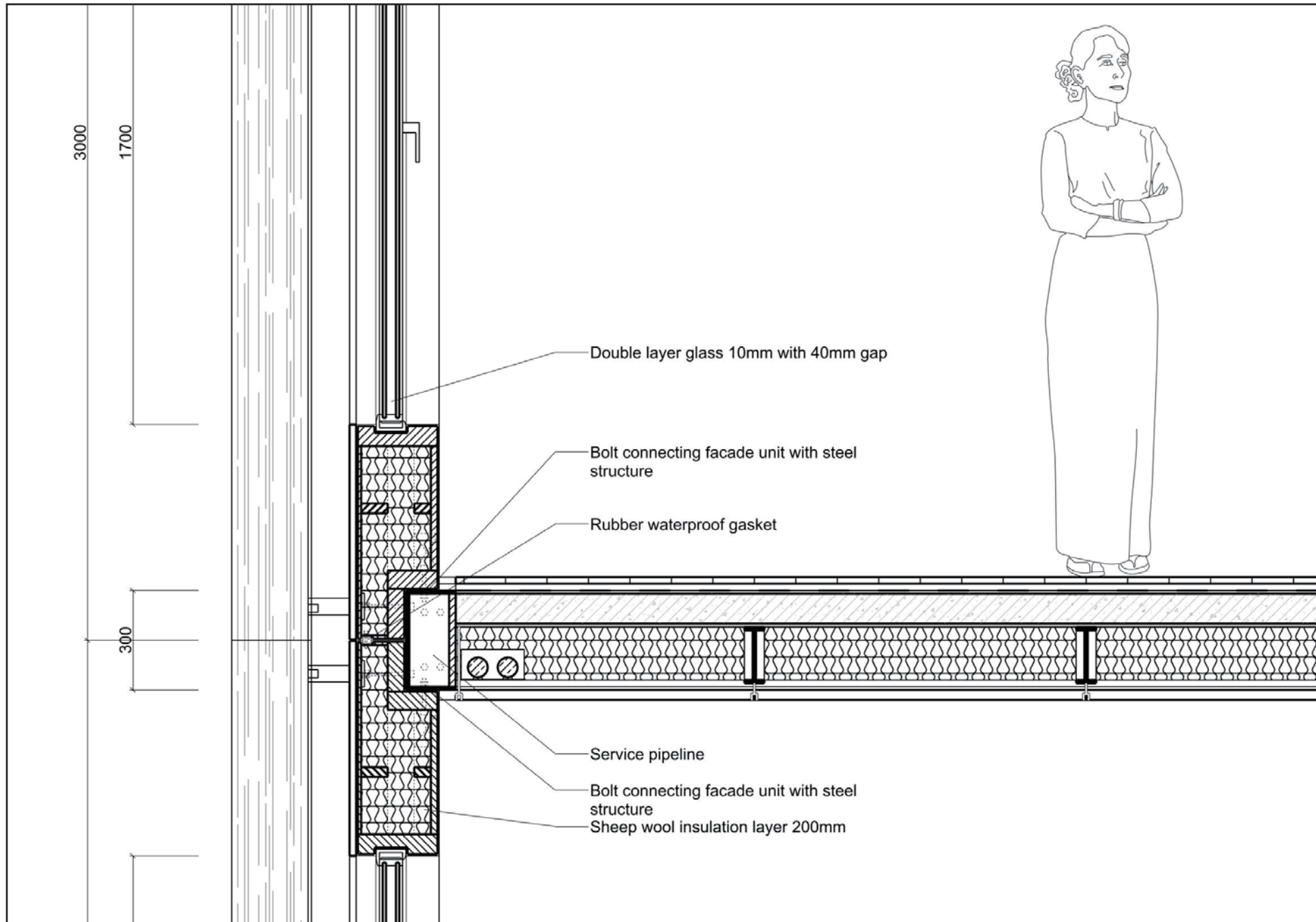
**Corner model\_Facade/Climate**



**Corner model\_\_Facade/Climate**

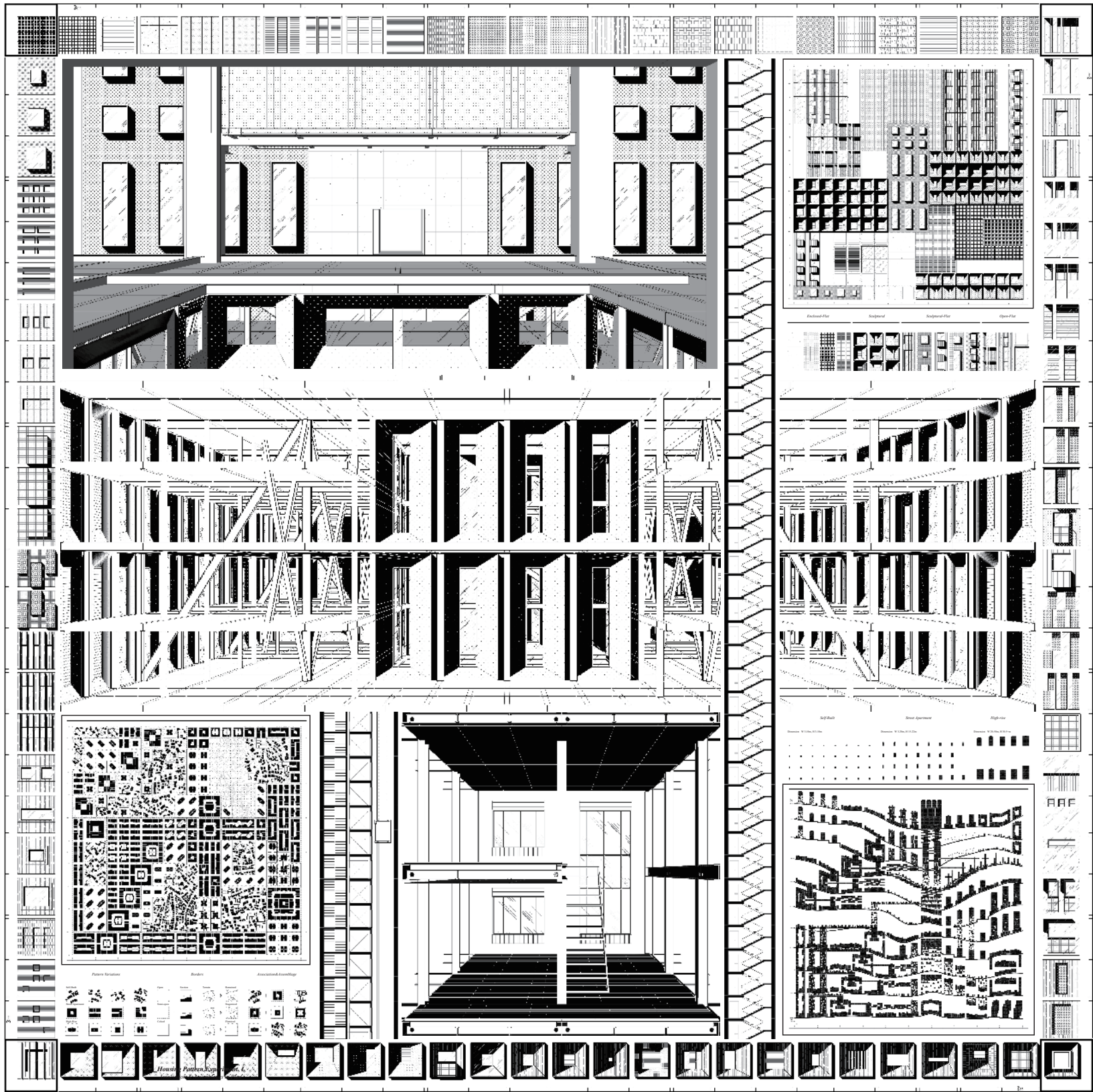


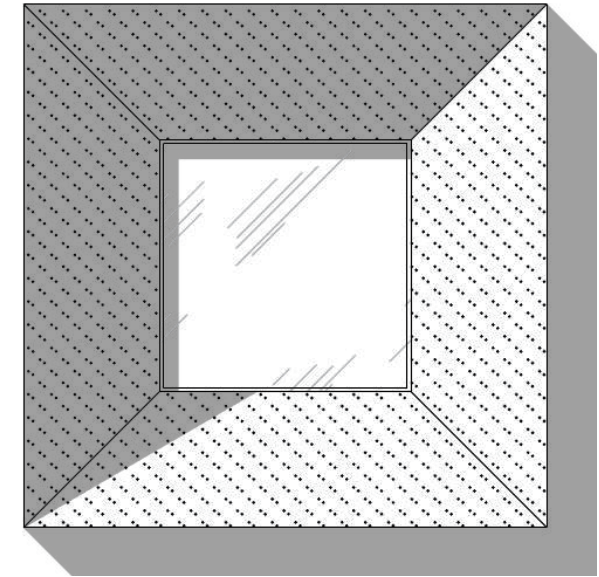
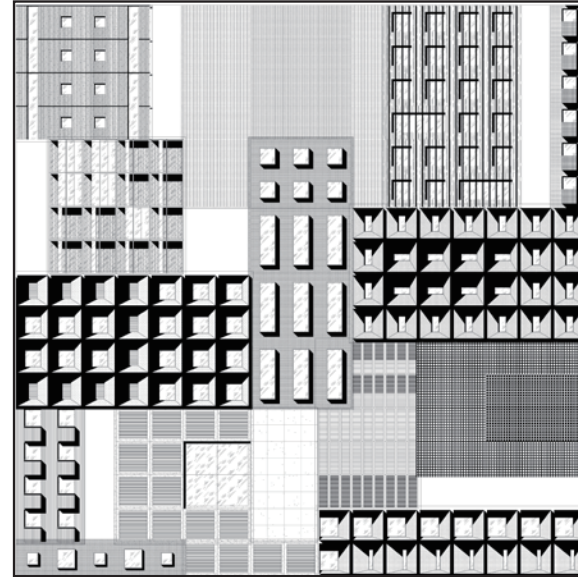
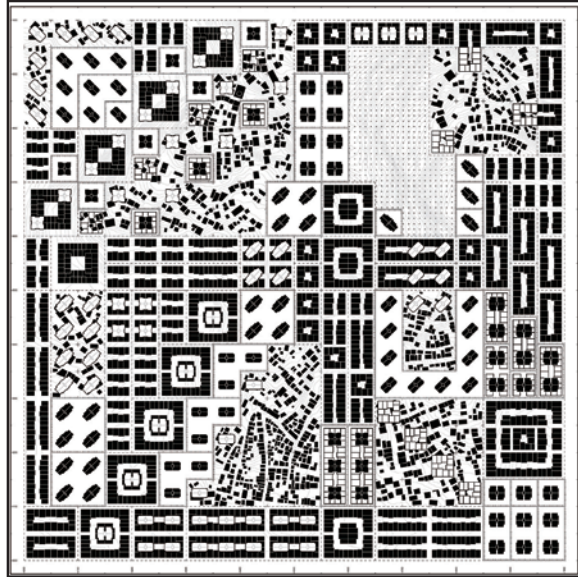
**Detailed Section\_\_Facade/Climate**



**Detailed Section\_\_Facade/Climate**







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A Pattern-based Housing Group Form in Istanbul