

# THE LIVING CITY

Migration of the Garden City Movement



Drawing set P5

09/14/2021

Hannah J. Baghuis



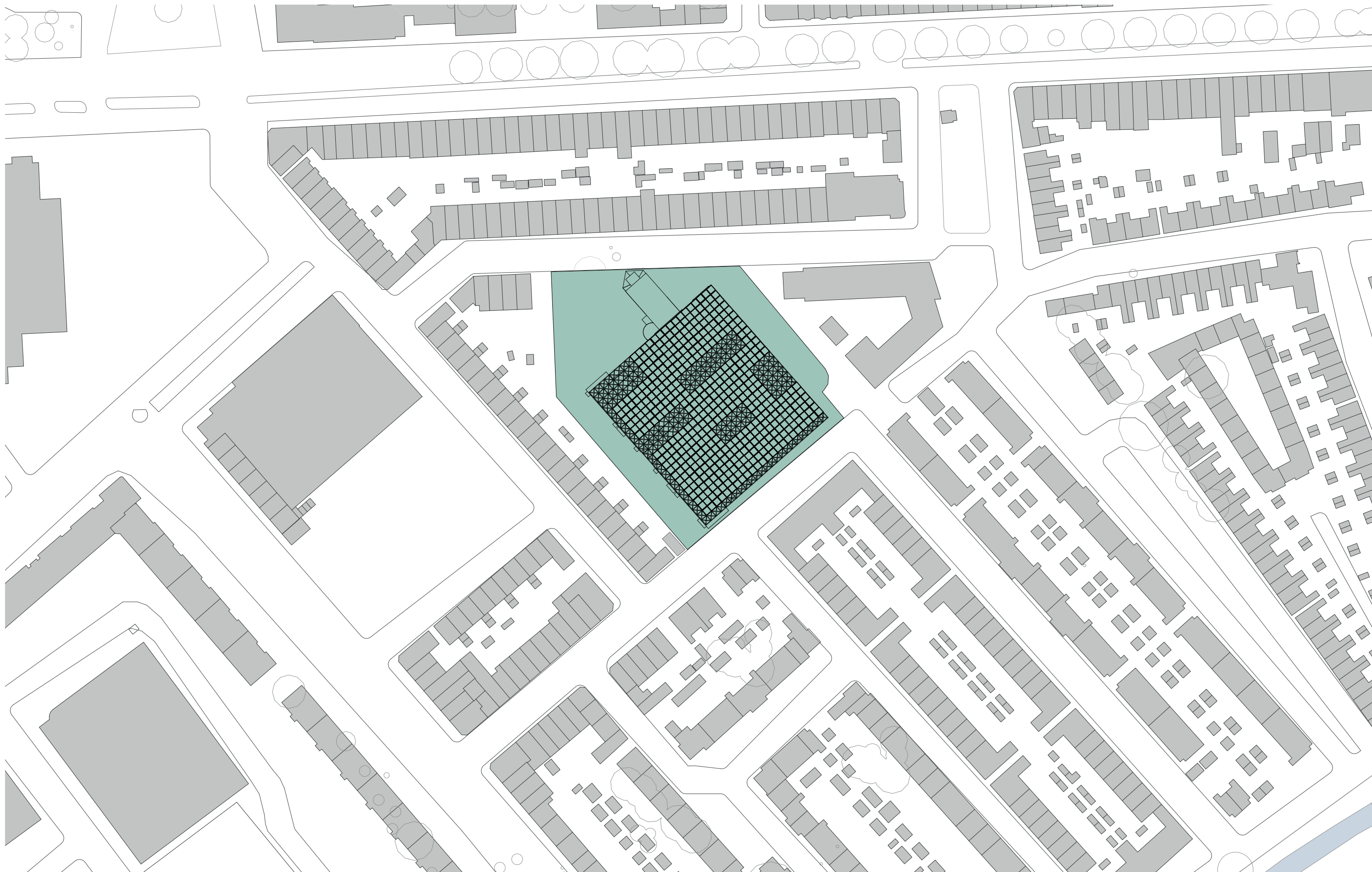
Site plan

Group site plan 1:10.000





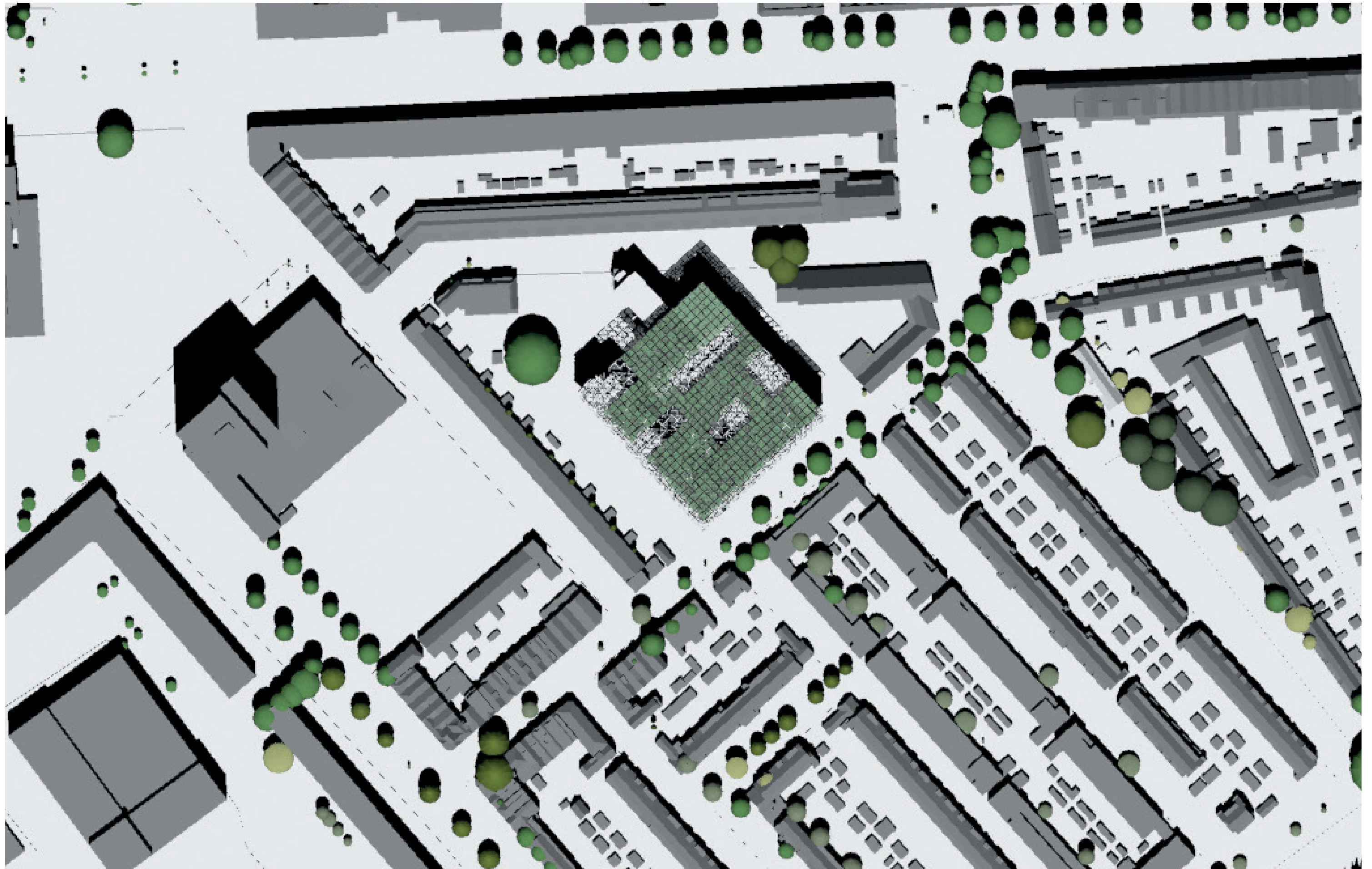
Site plan  
Site plan drawing 1:1000





Site plan

Site plan top view 1:1000



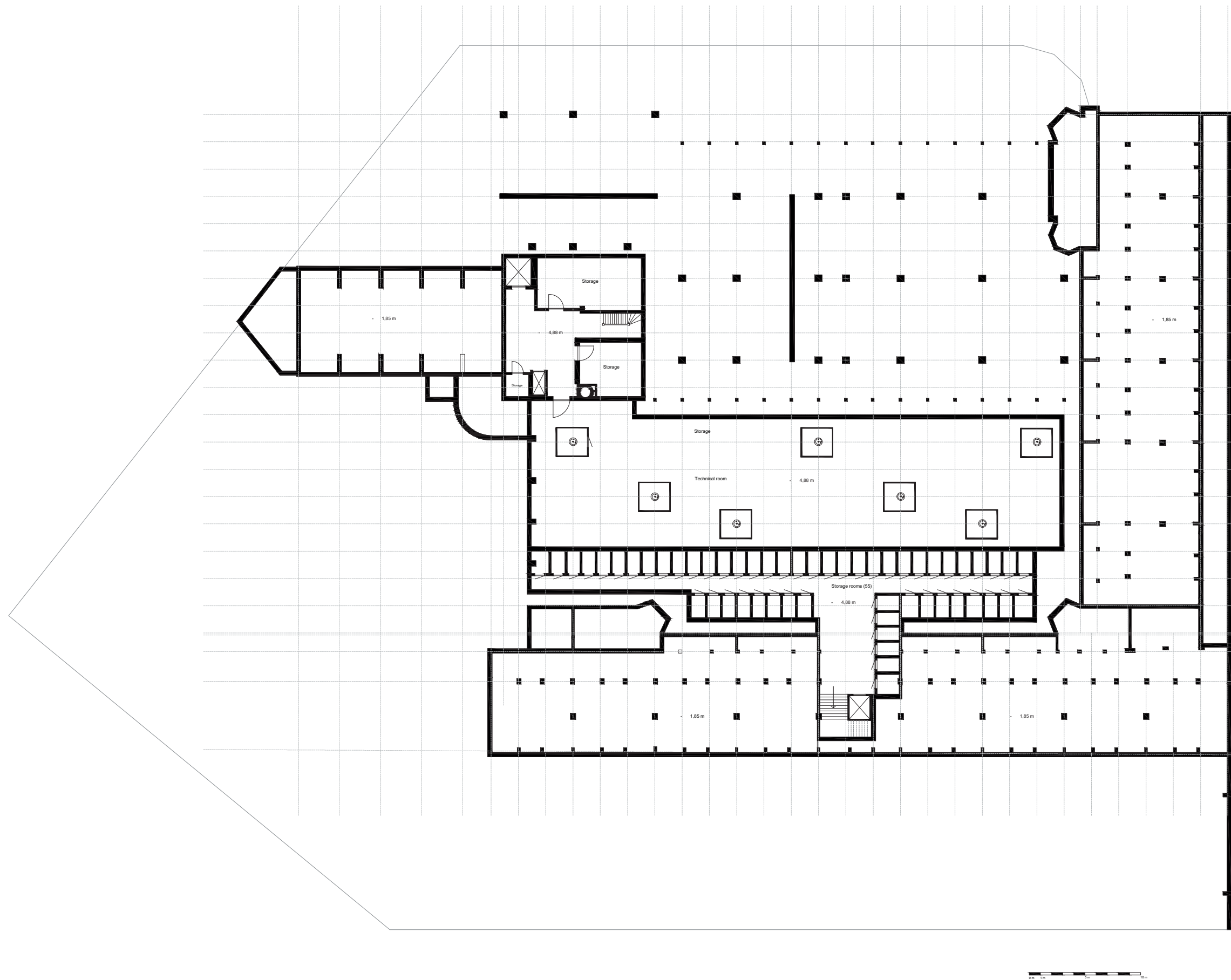


Urban implementation 1:500 - routing through park



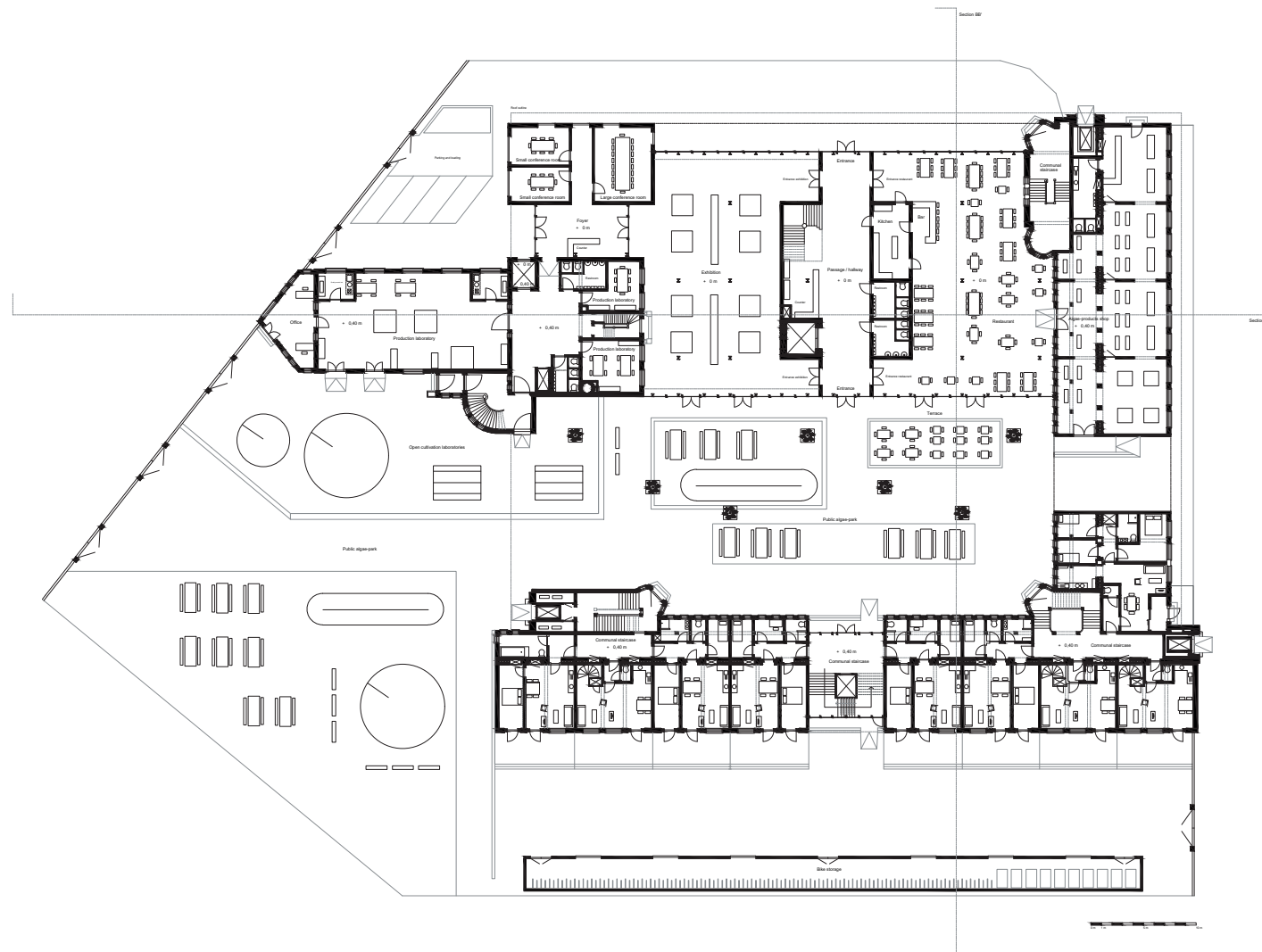


Foundation and underground space plan



Floor plans

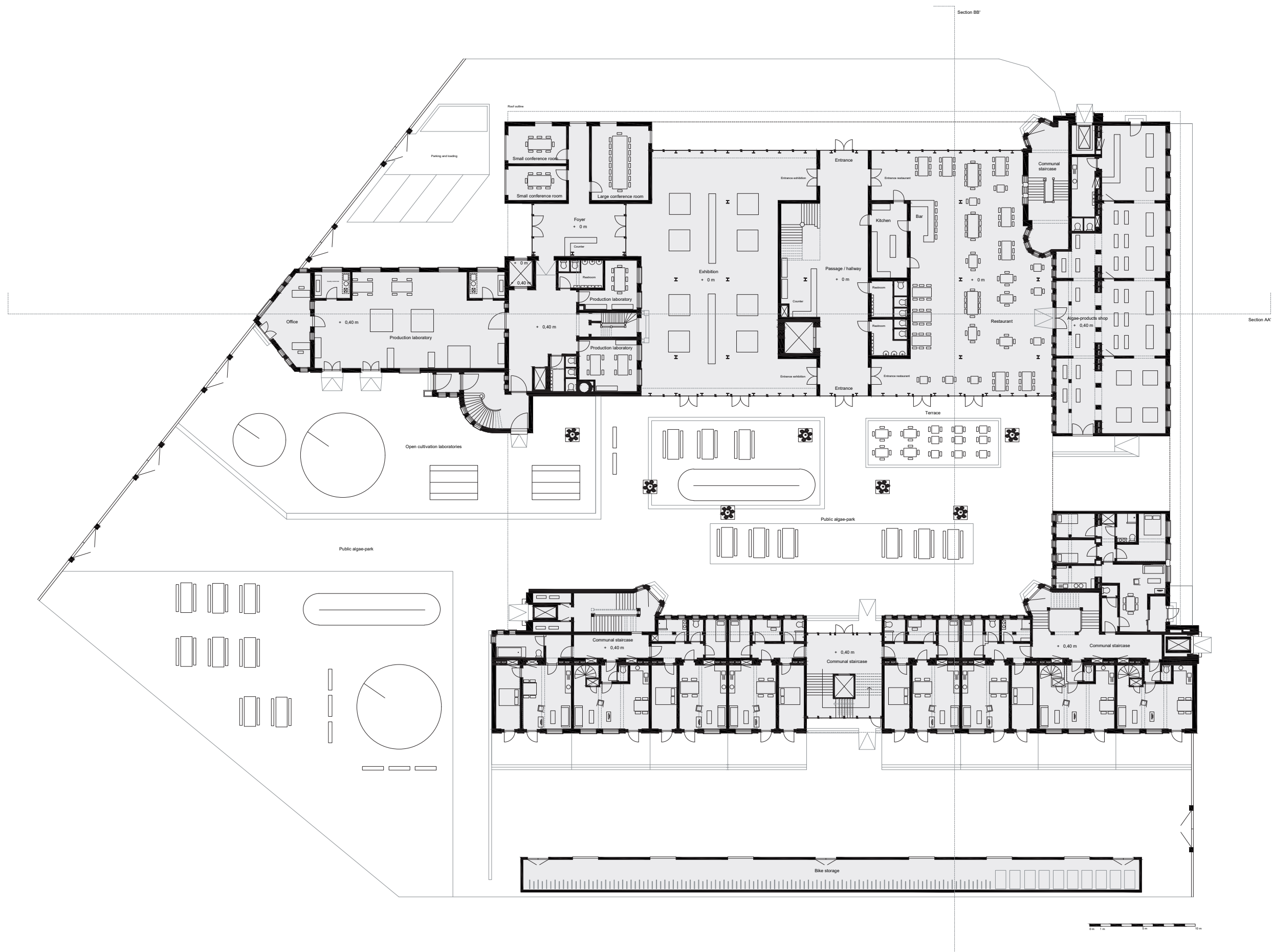
Ground floor plan 1:500





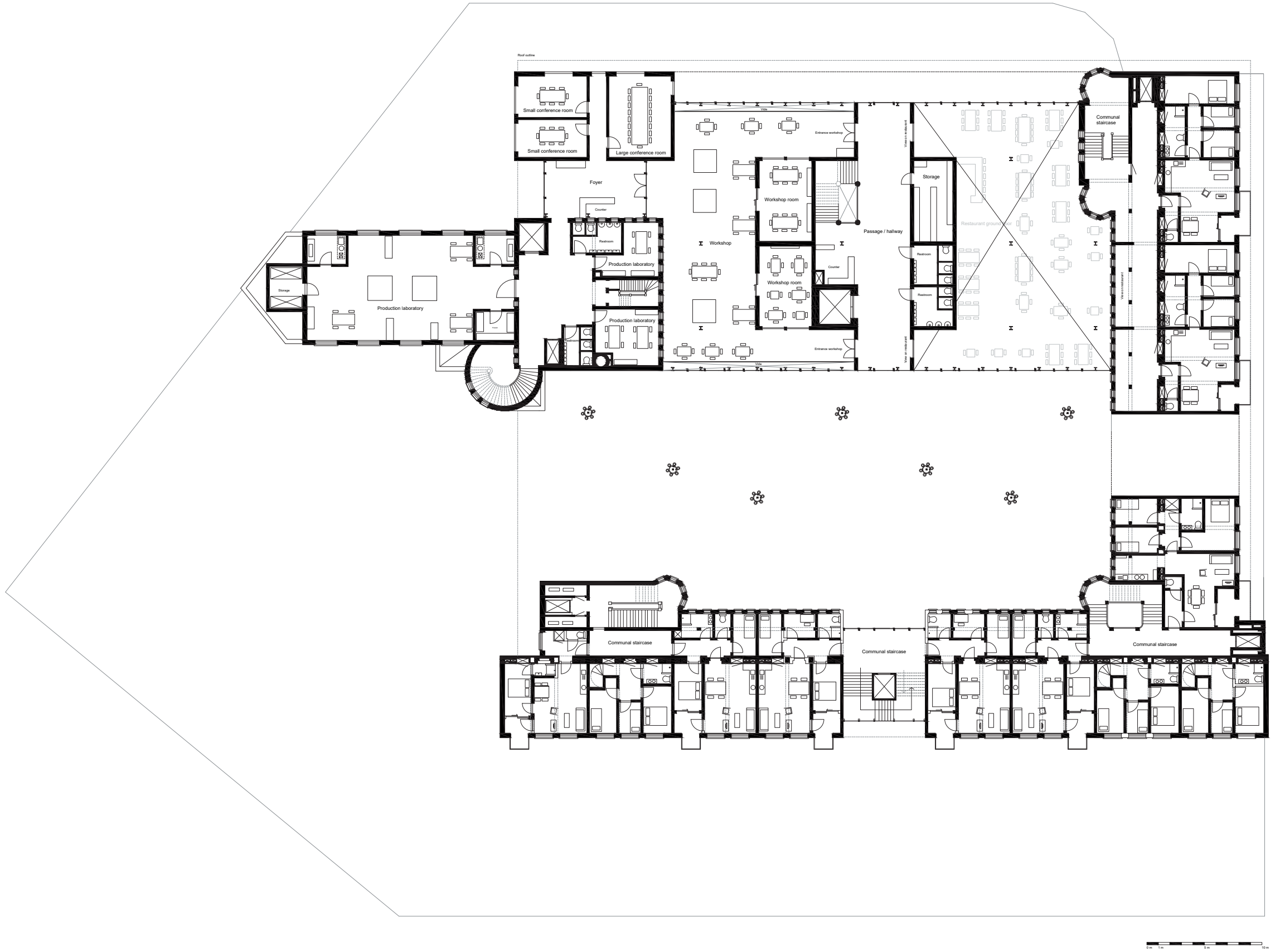
Floor plans

Ground floor plan



Floor plans

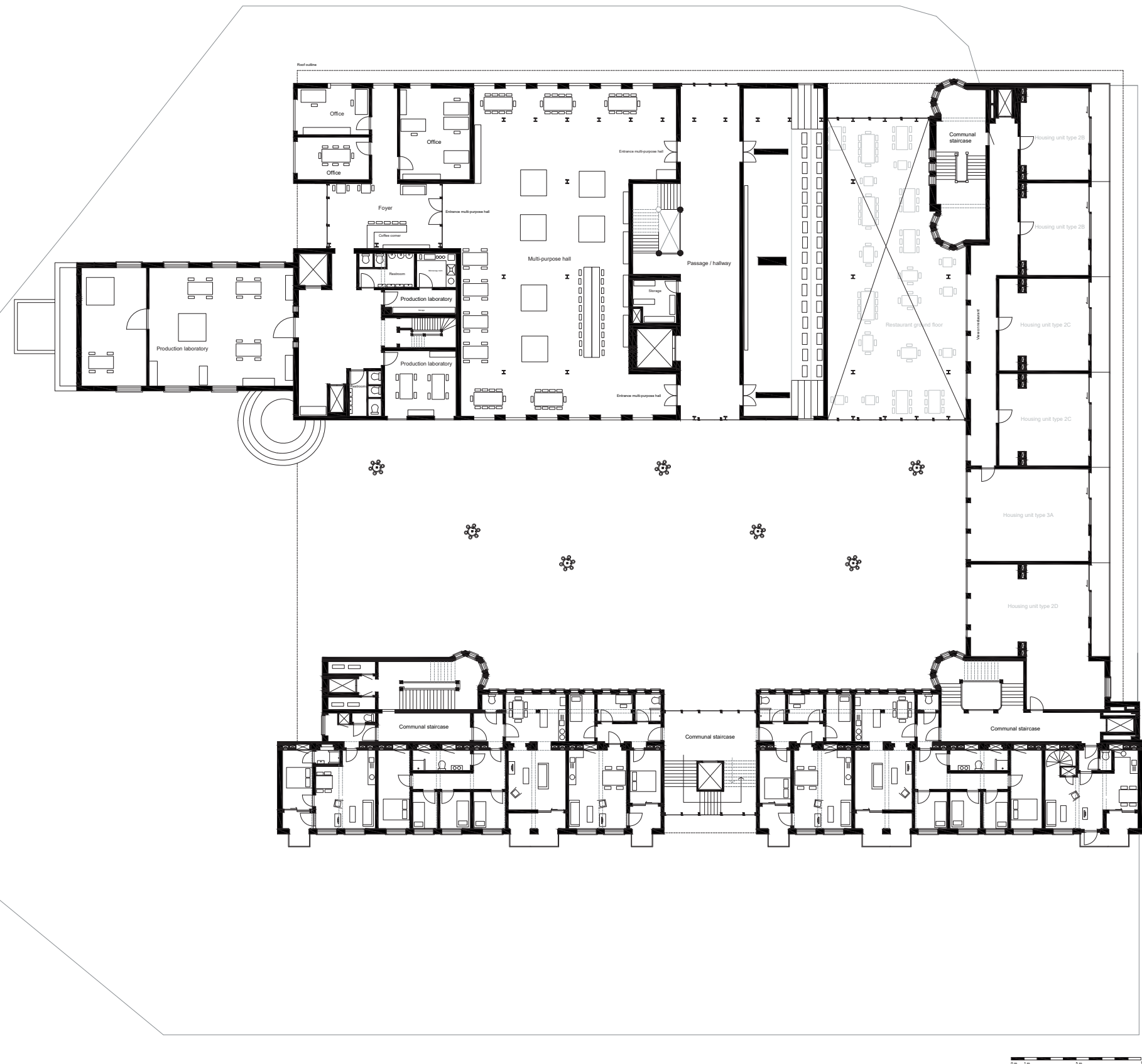
First floor plan





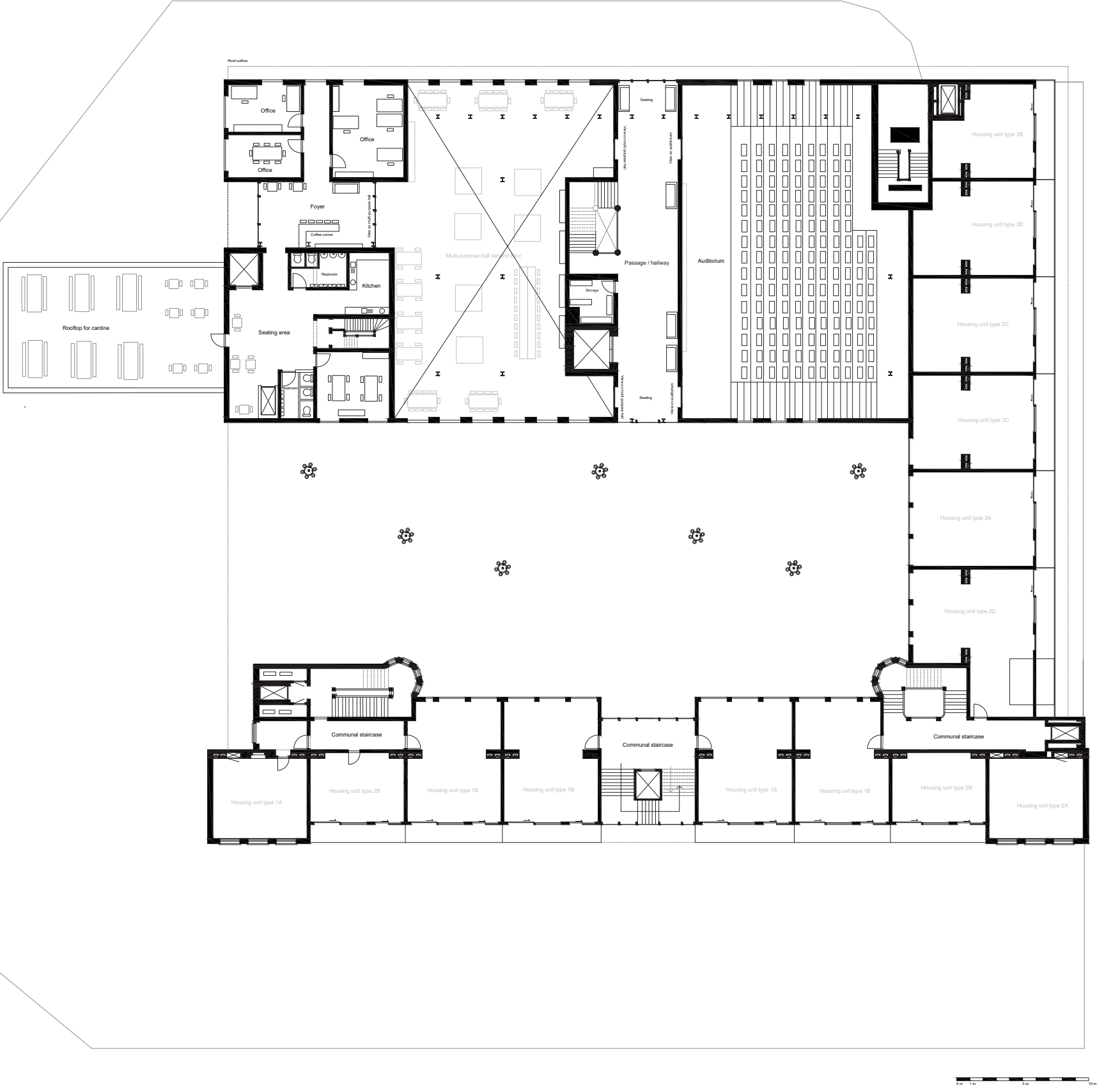
Floor plans

Second floor plan



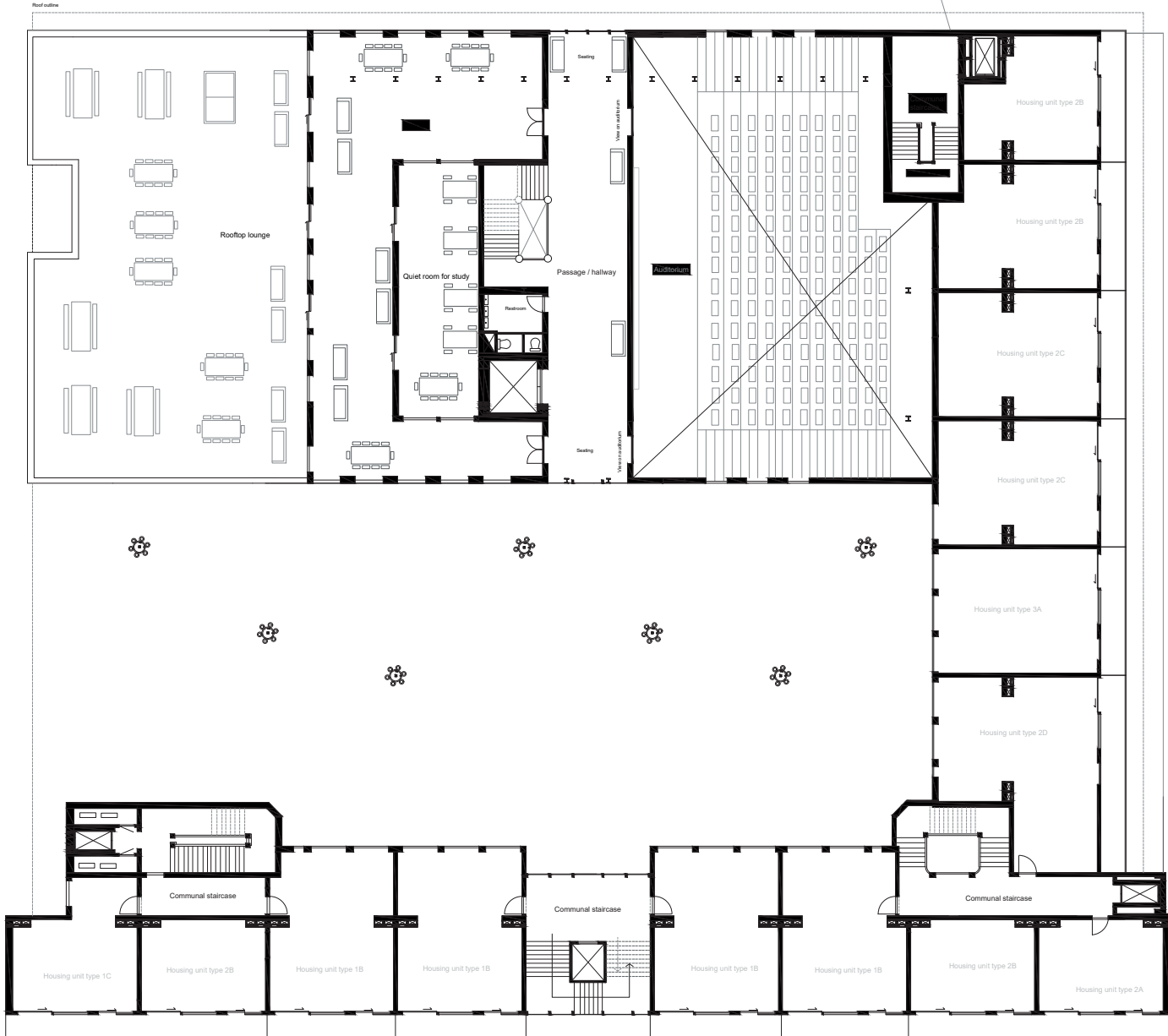
Floor plans

Third floor plan



Floor plans

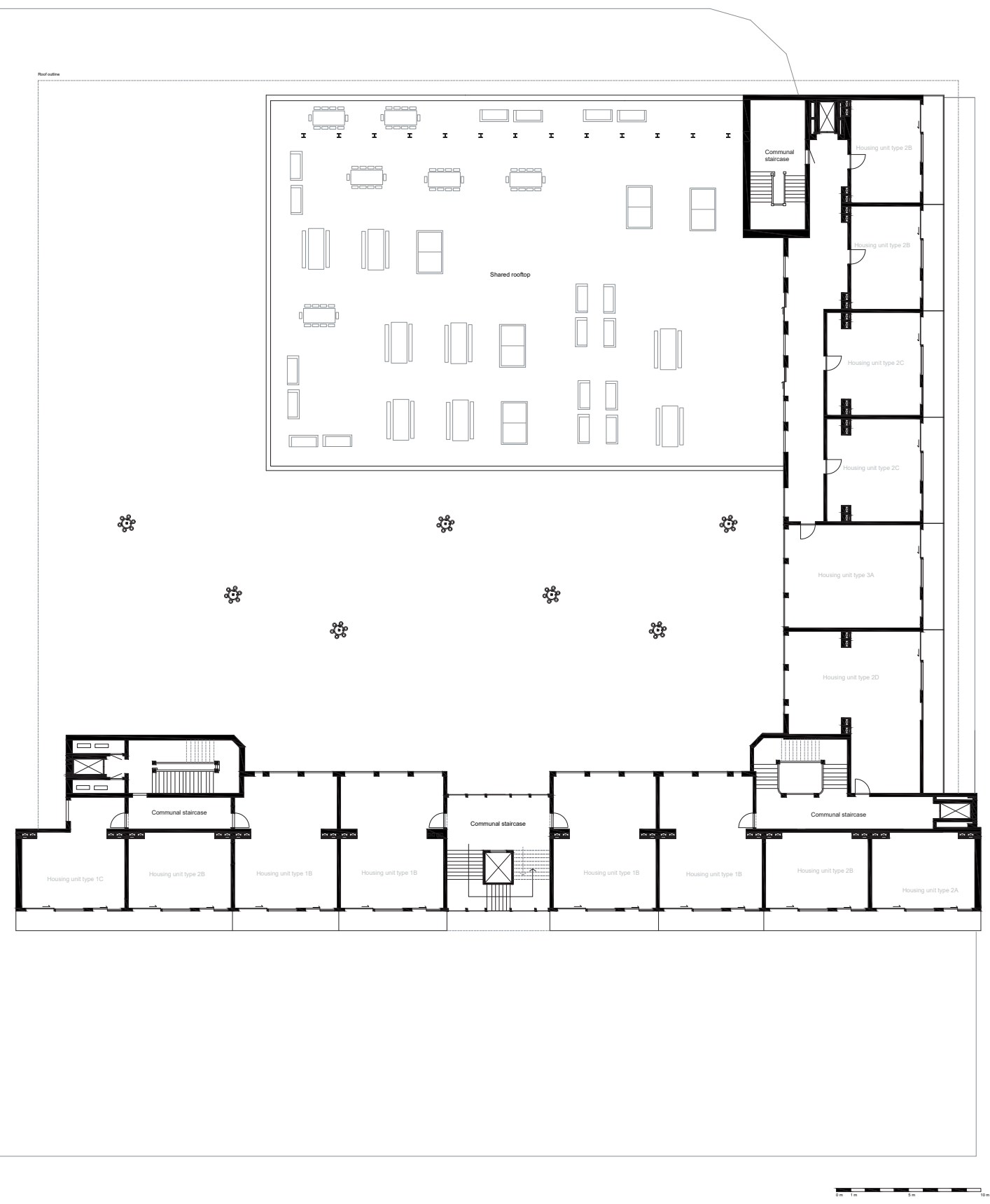
Fourth floor plan





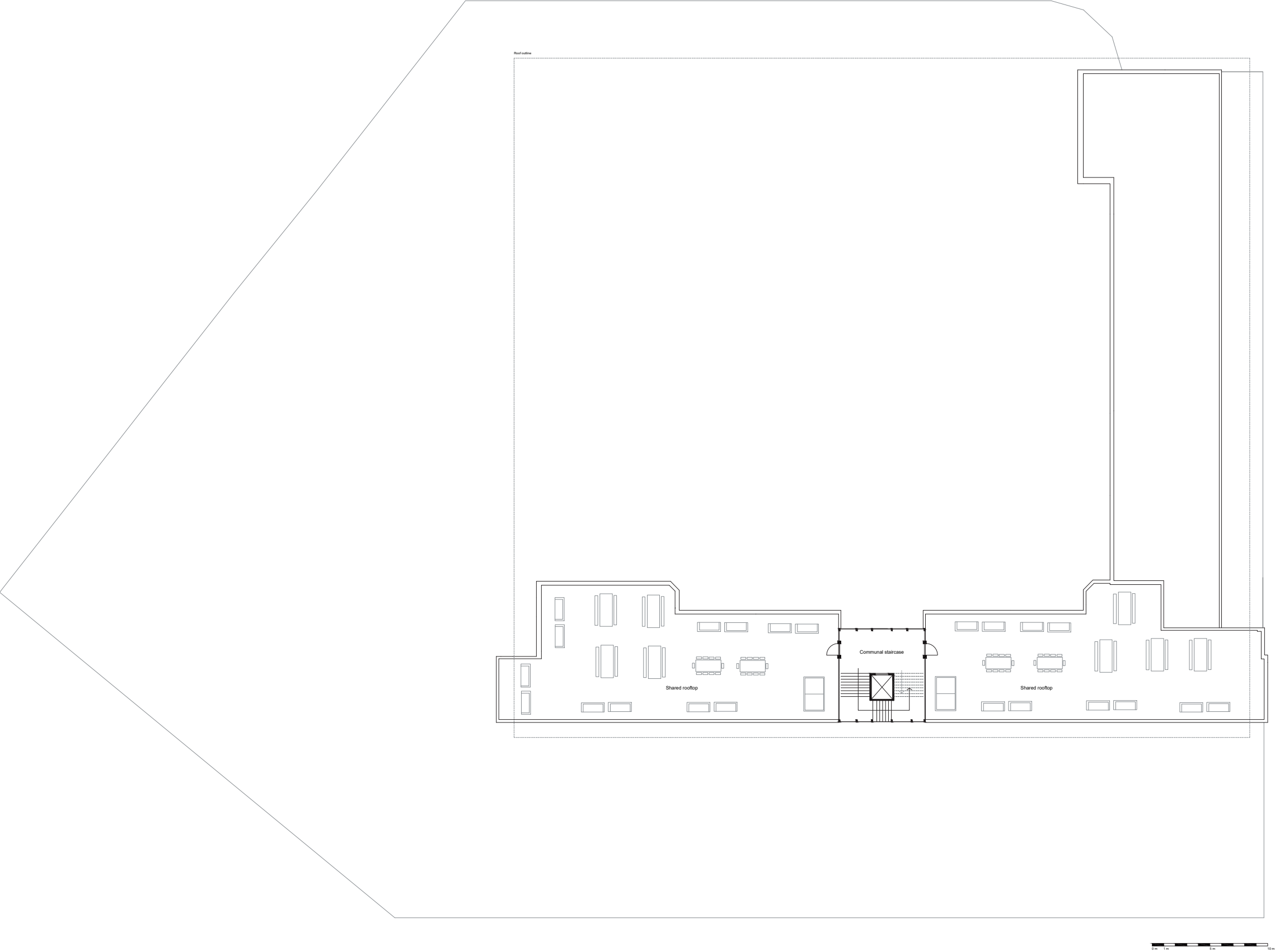
Floor plans

Fifth floor plan



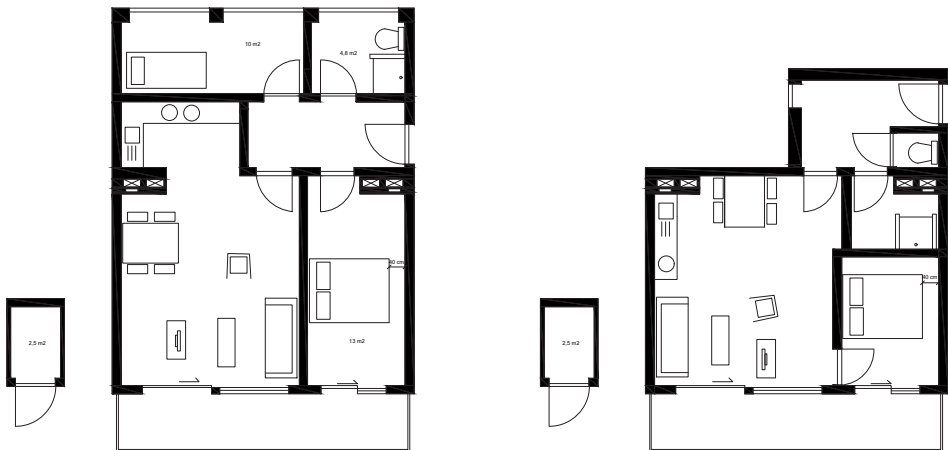
Floor plans

Sixth floor plan

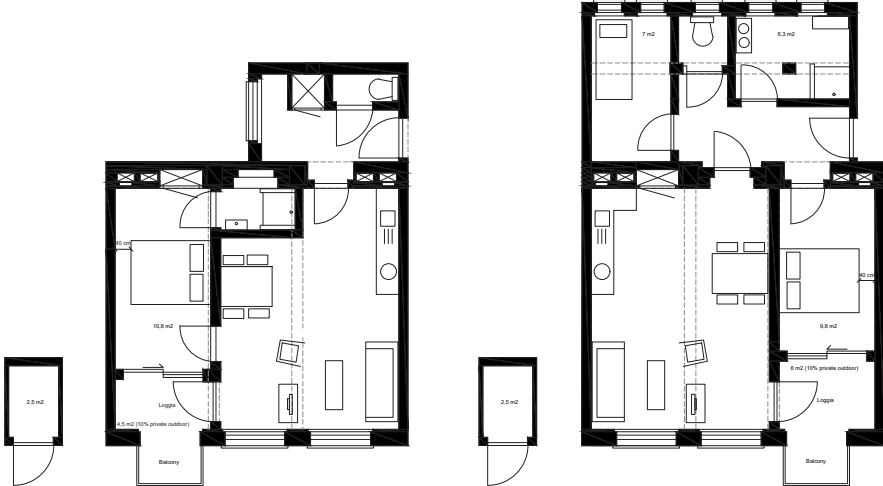


Floor plans  
Housing unit variants - Type 1

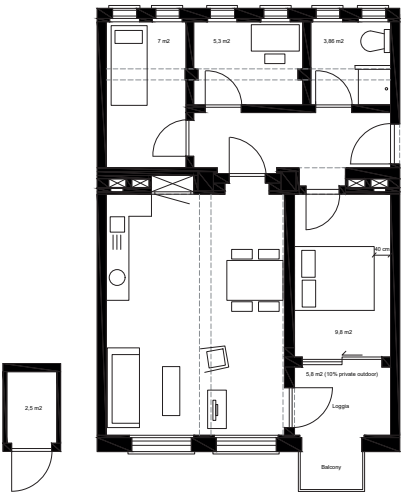
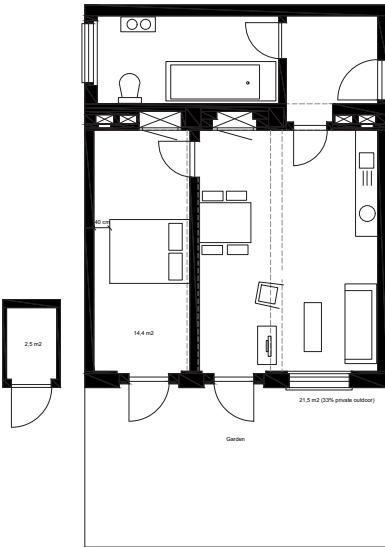
Type 1A



Type 1B



Type 1C





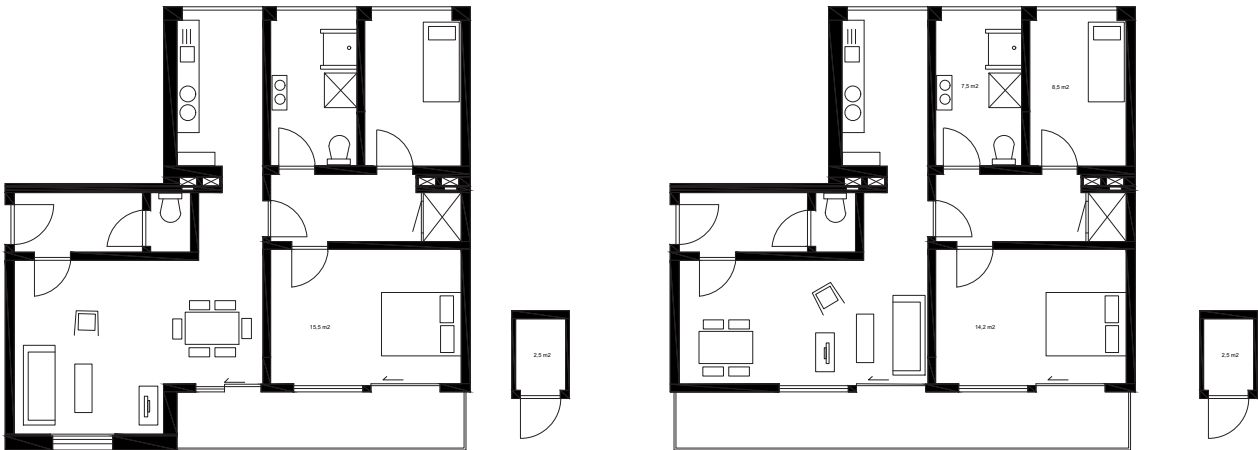
Floor plans

Housing unit variants - Type 2

Type 2A



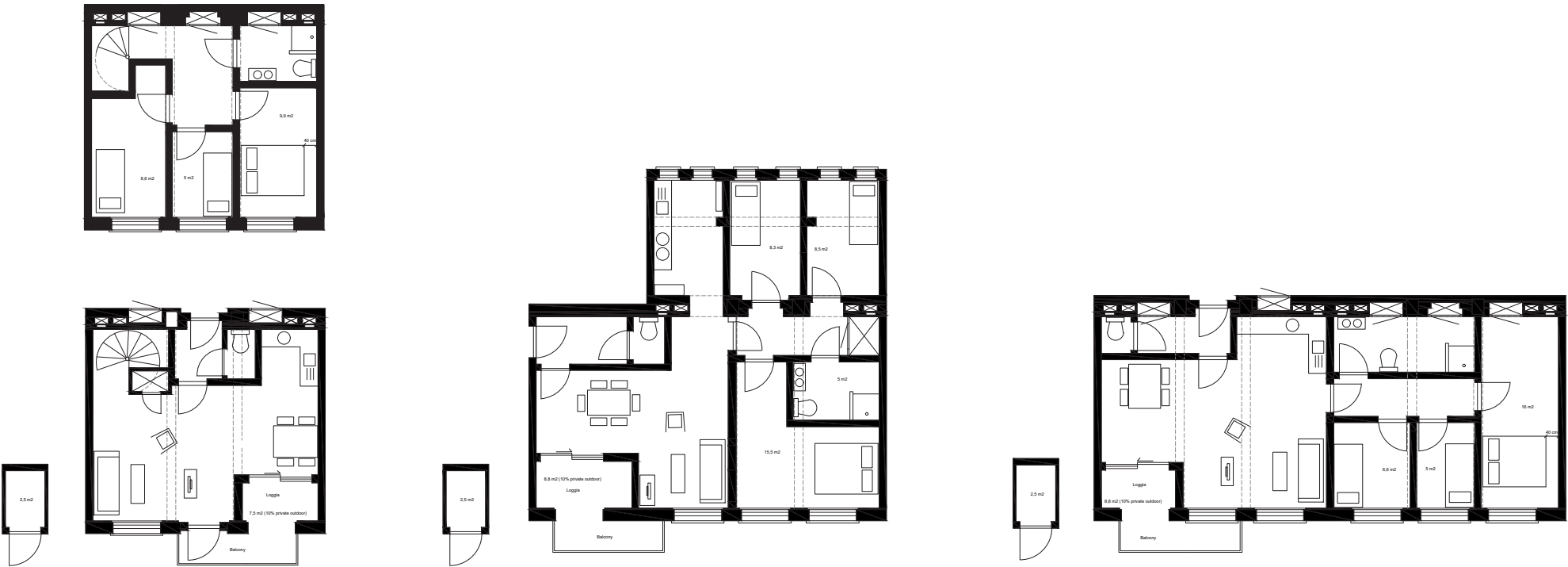
Type 2B



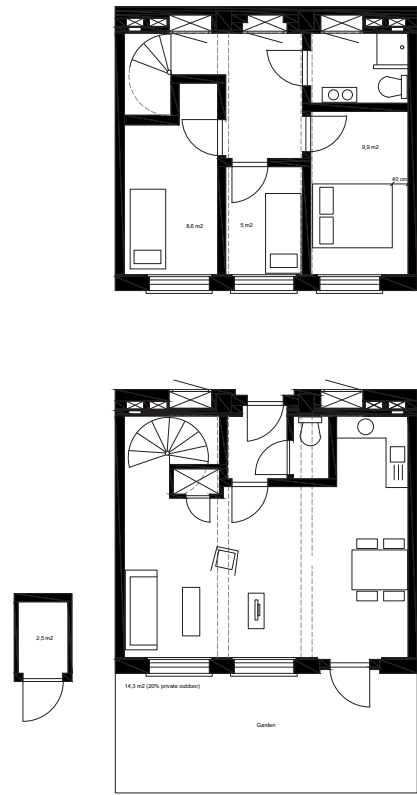
Floor plans

Housing unit variants - Type 2

Type 2C



Type 2D



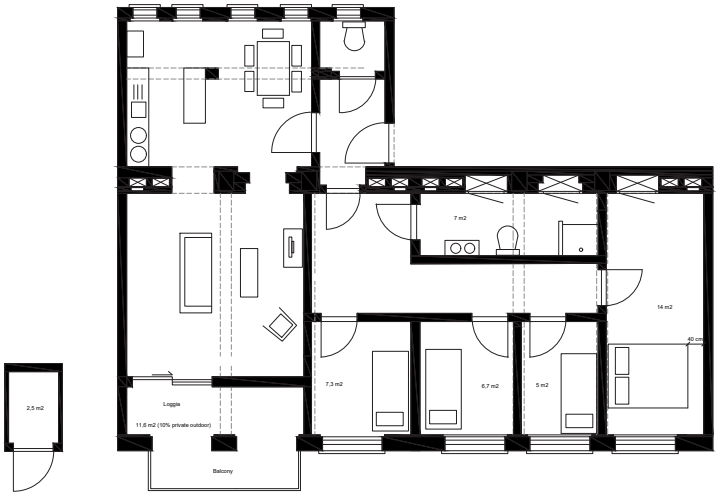
Floor plans

Housing unit variants - Type 3

Type 3A



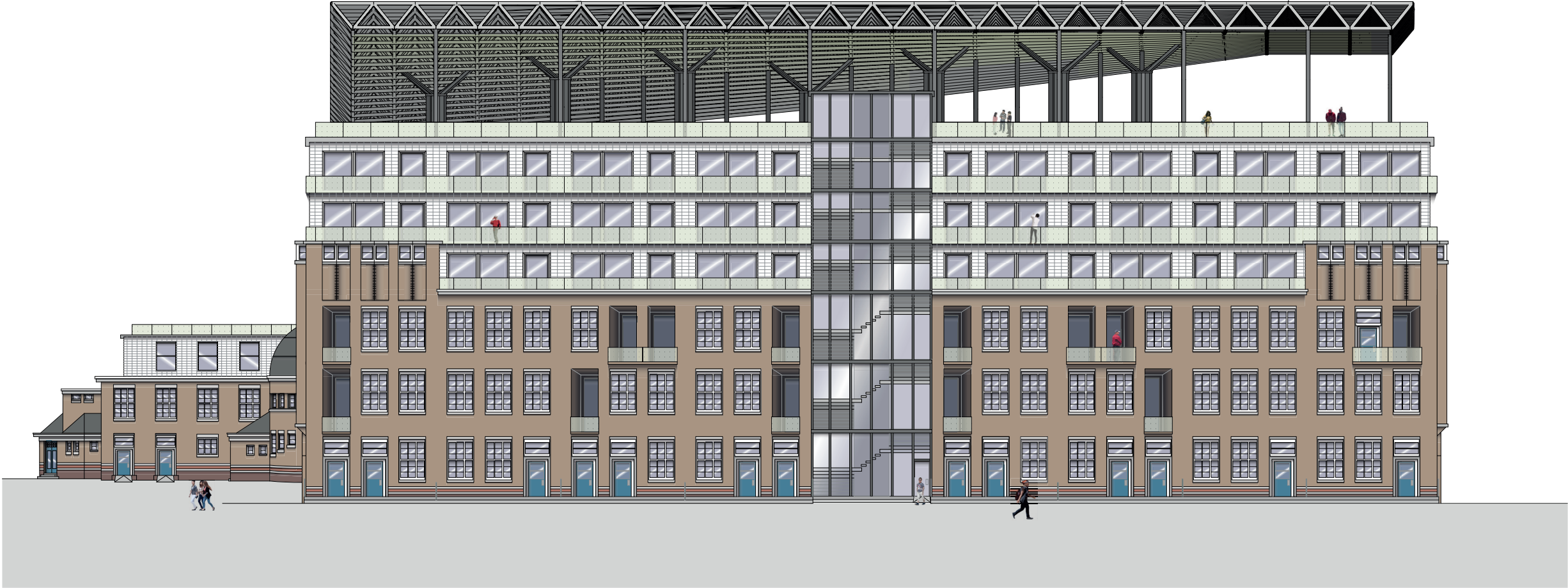
Type 3B



Type 3C



Facades  
Facade SE

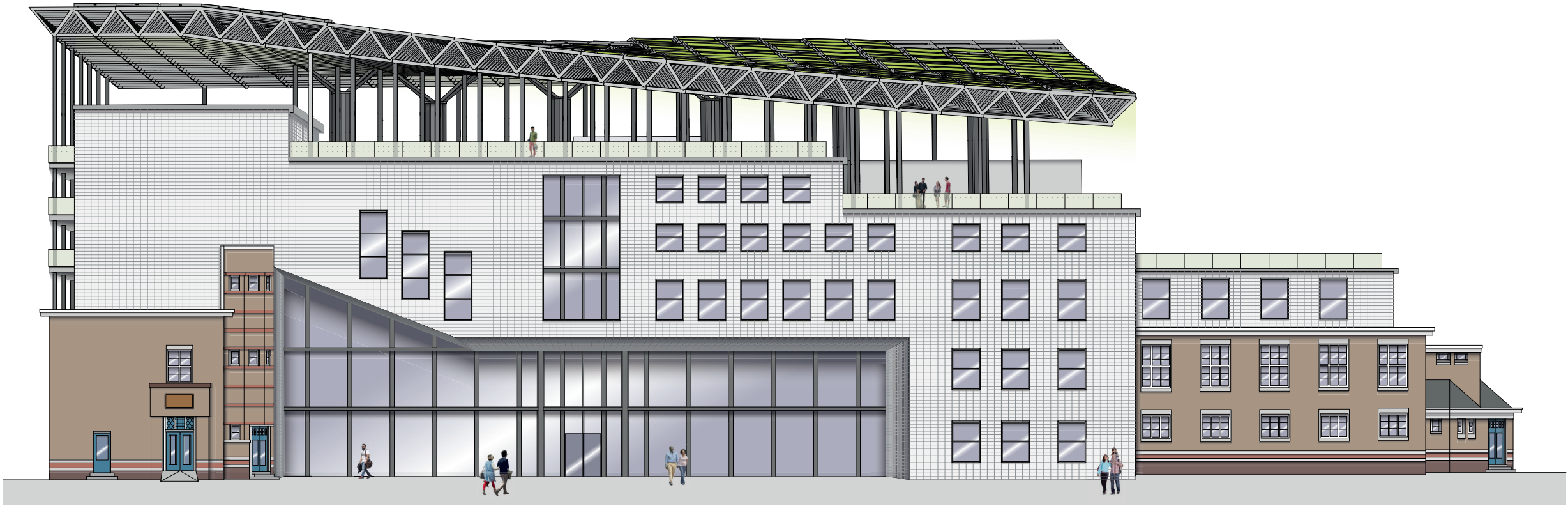




Facades

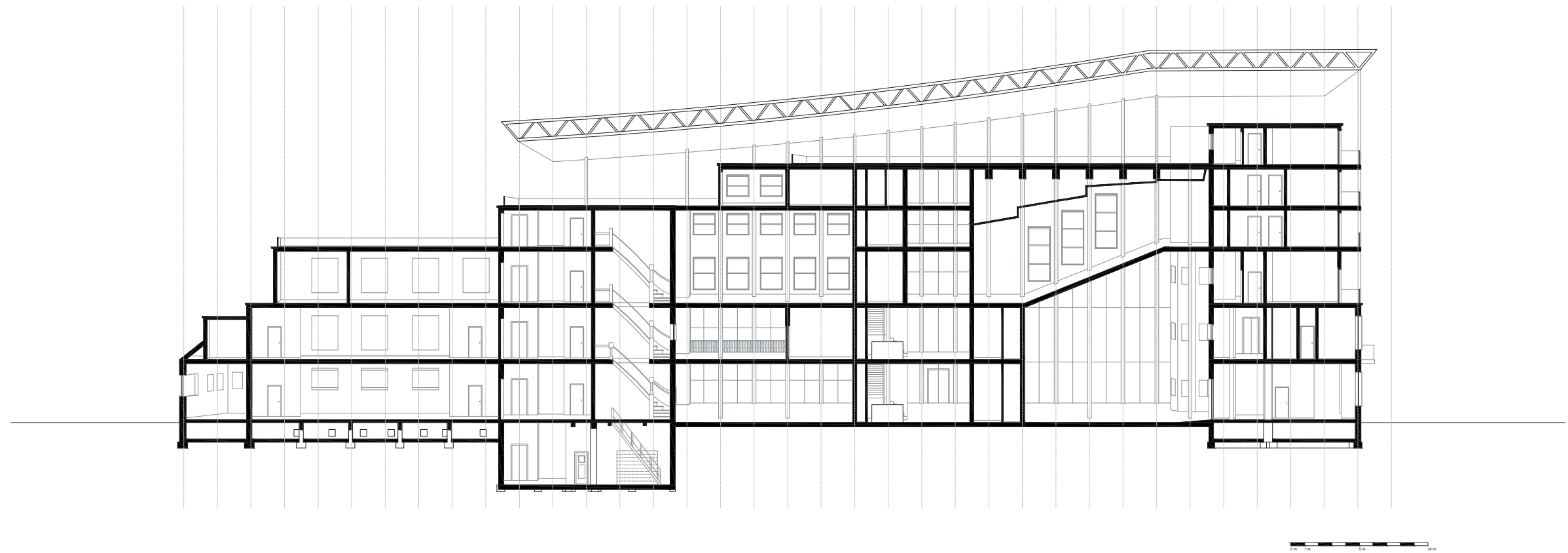
Facade SW





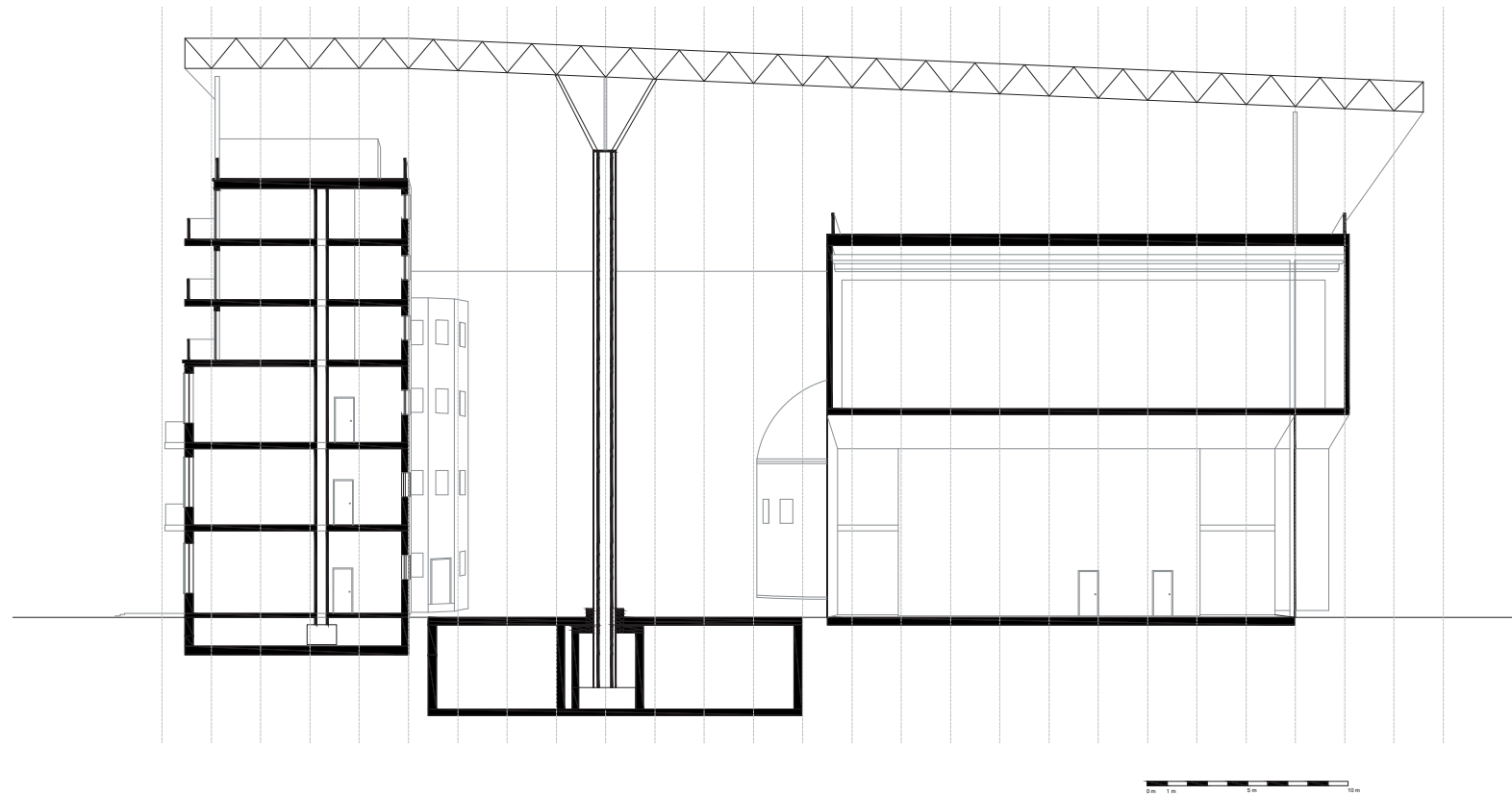
Sections

Section AA'



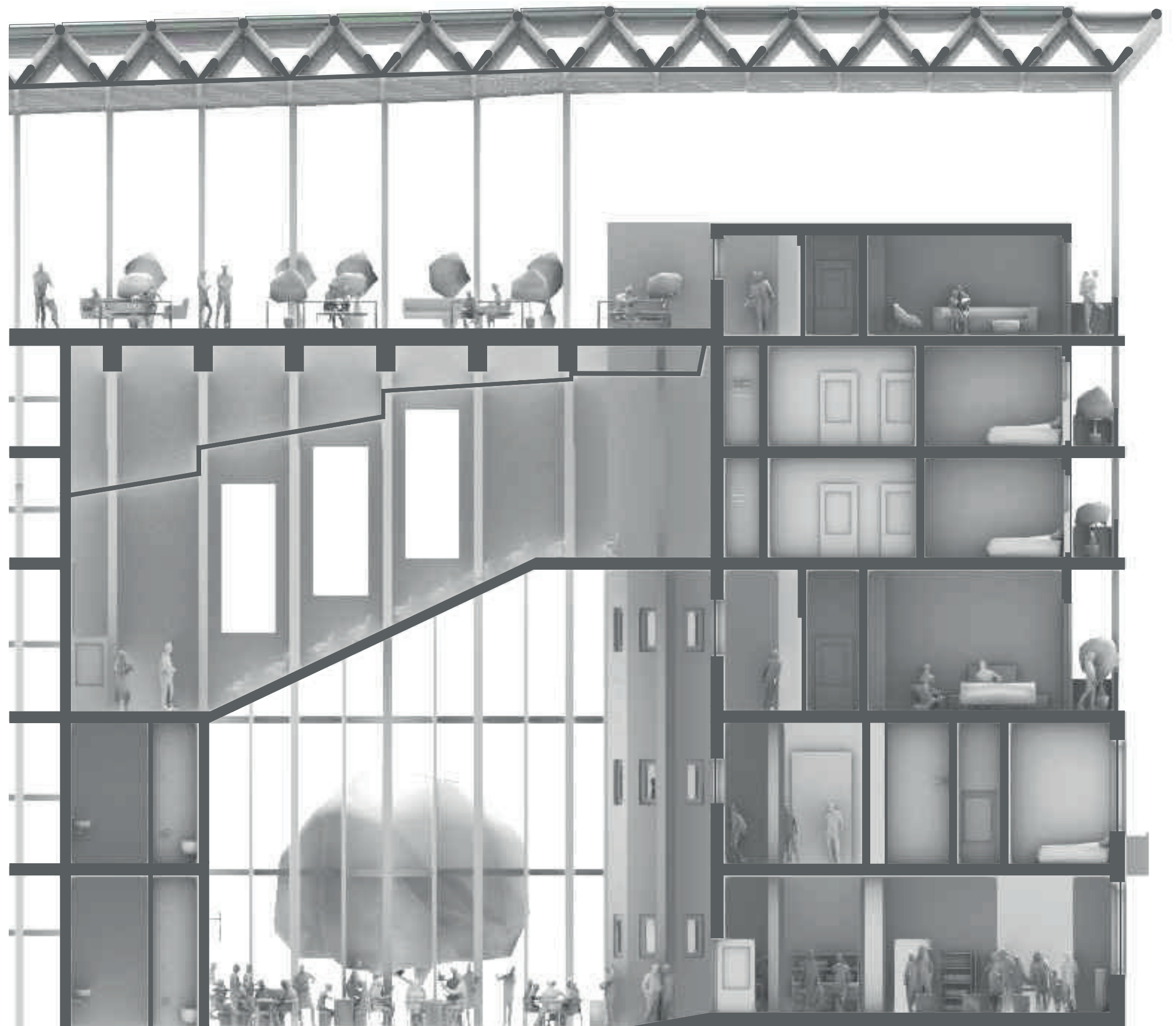
Sections

Section BB'



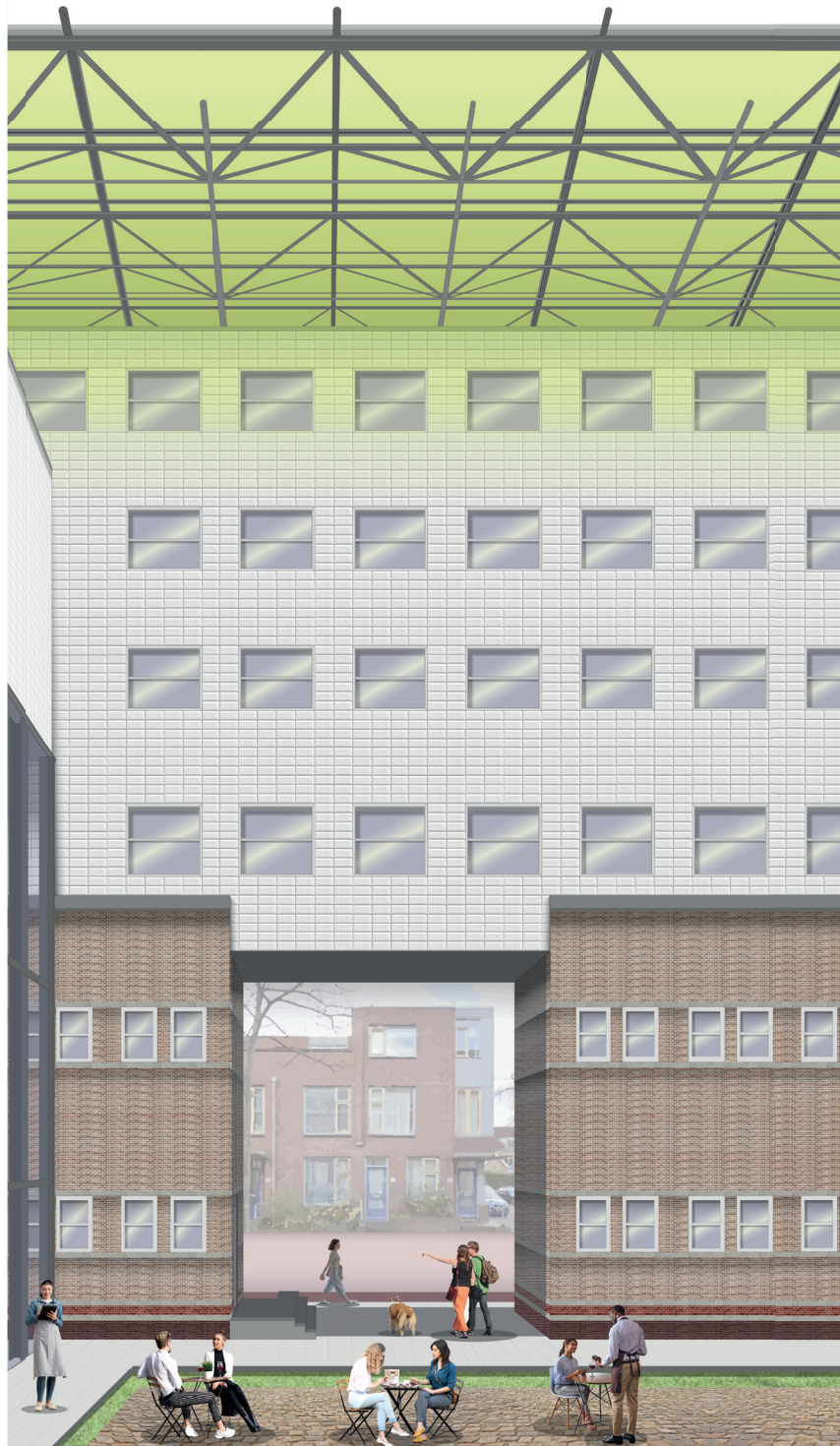


Interior  
Interior fragment



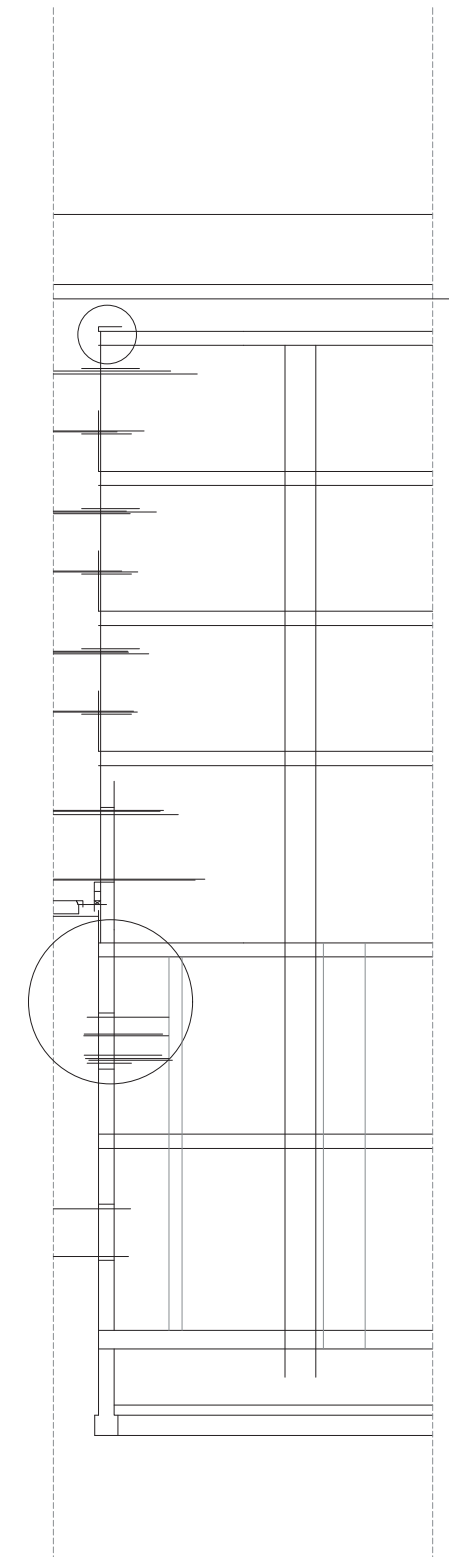
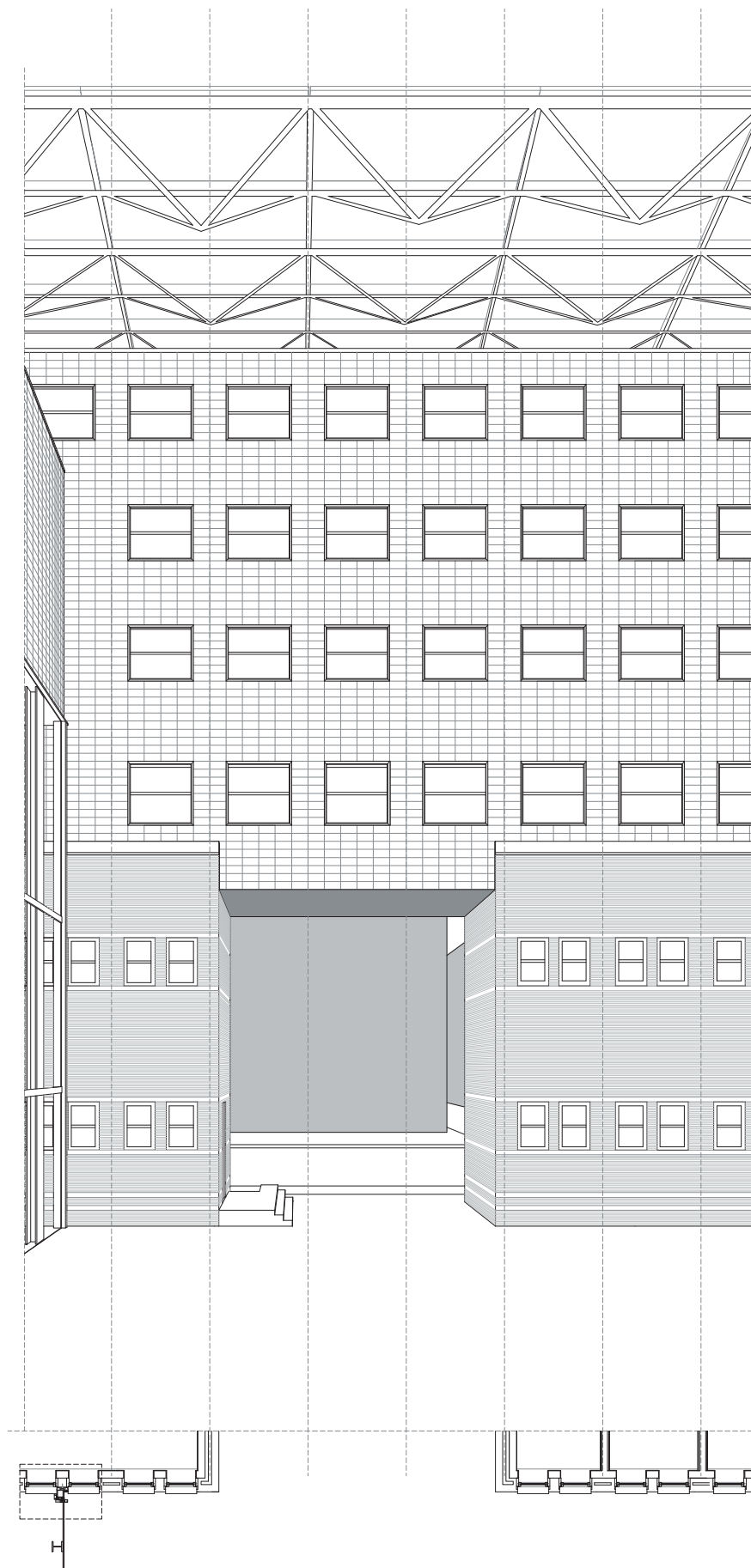
0 m 1 m 5 m 10 m

Facade  
Envelope fragment colored



Facade

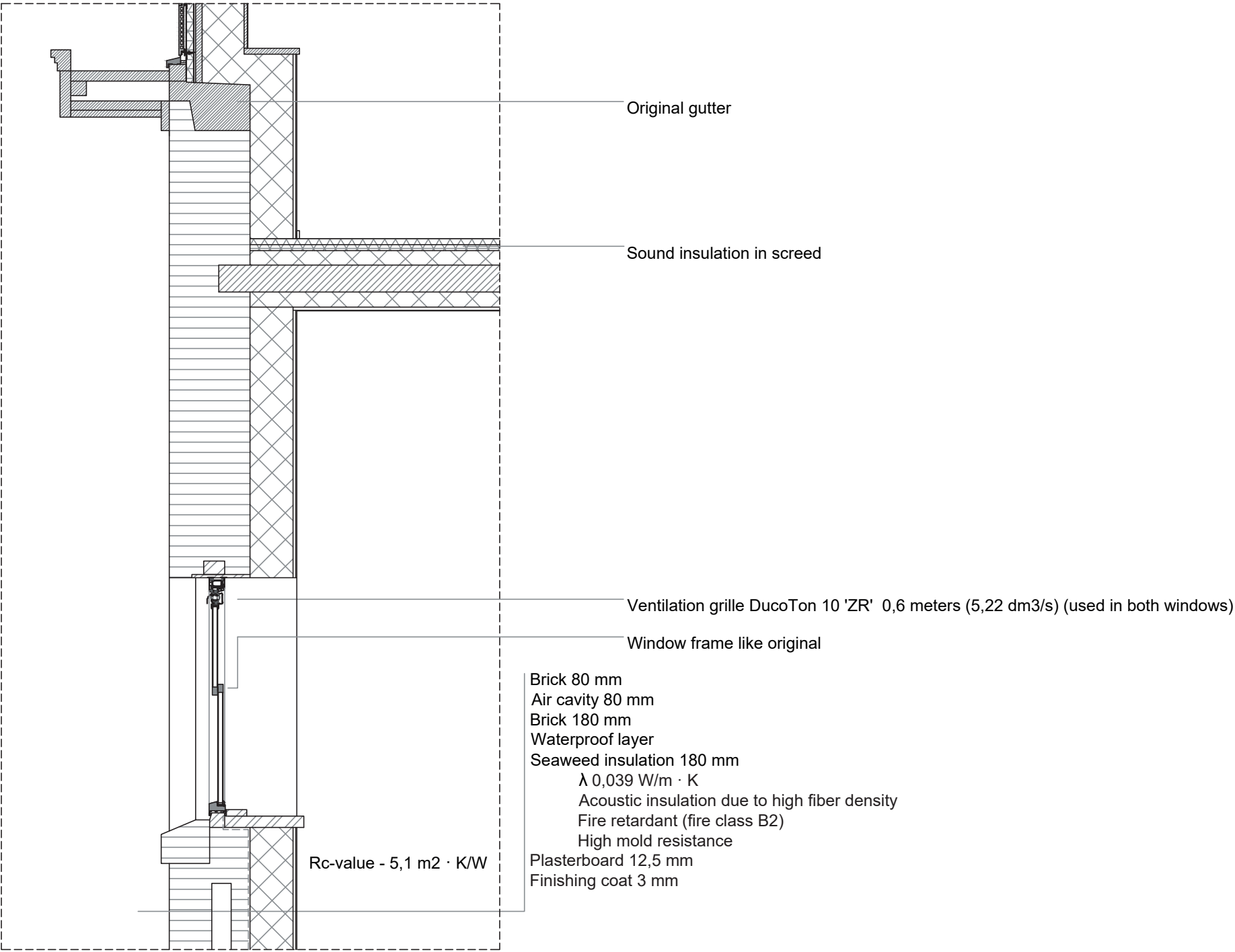
Envelope fragment with grid



0 m 1 m 5 m 10 m

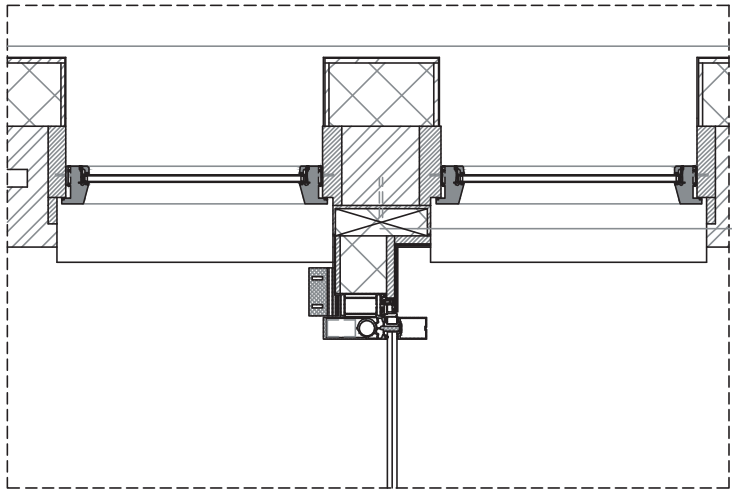
Details

Details 1:5

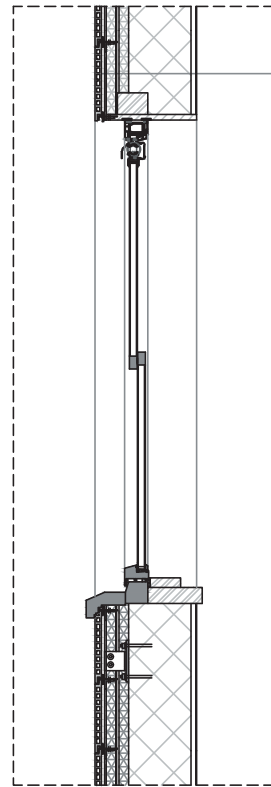


Details

Details 1:5



Load bearing masonry replaced by steel frame with insulation  
Strengthen if necessary

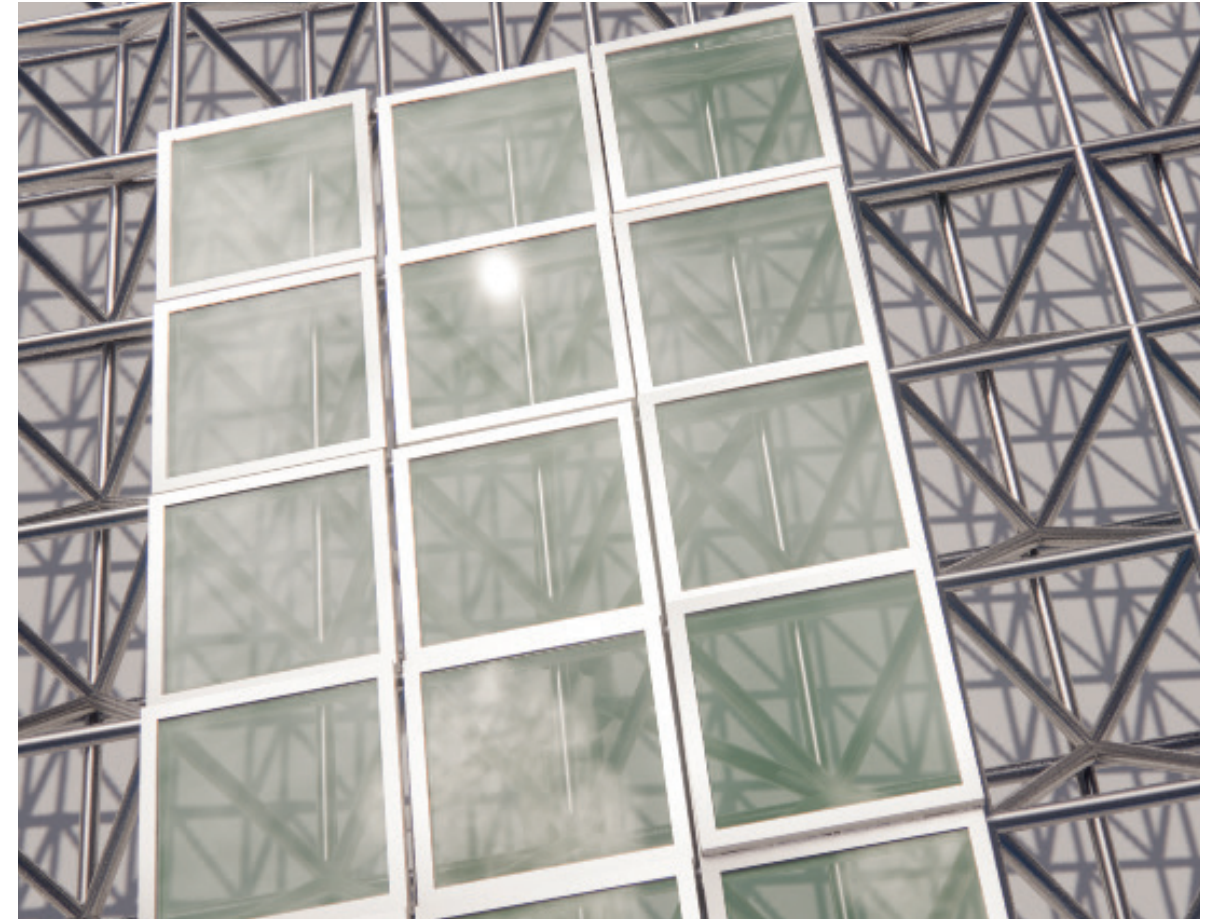


White reflective ceramic tile  
408 mm x 200 mm



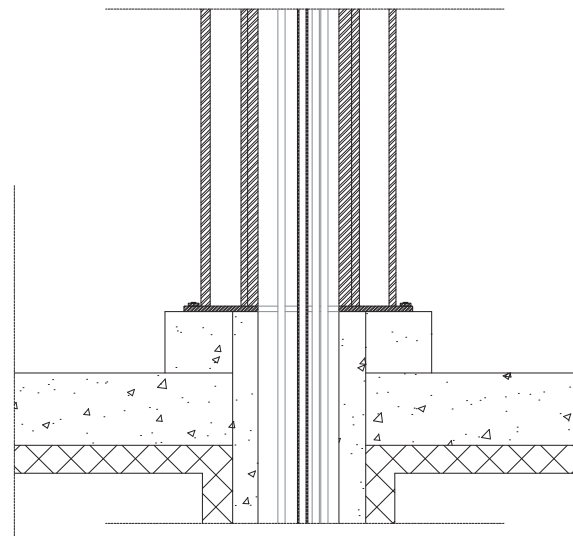
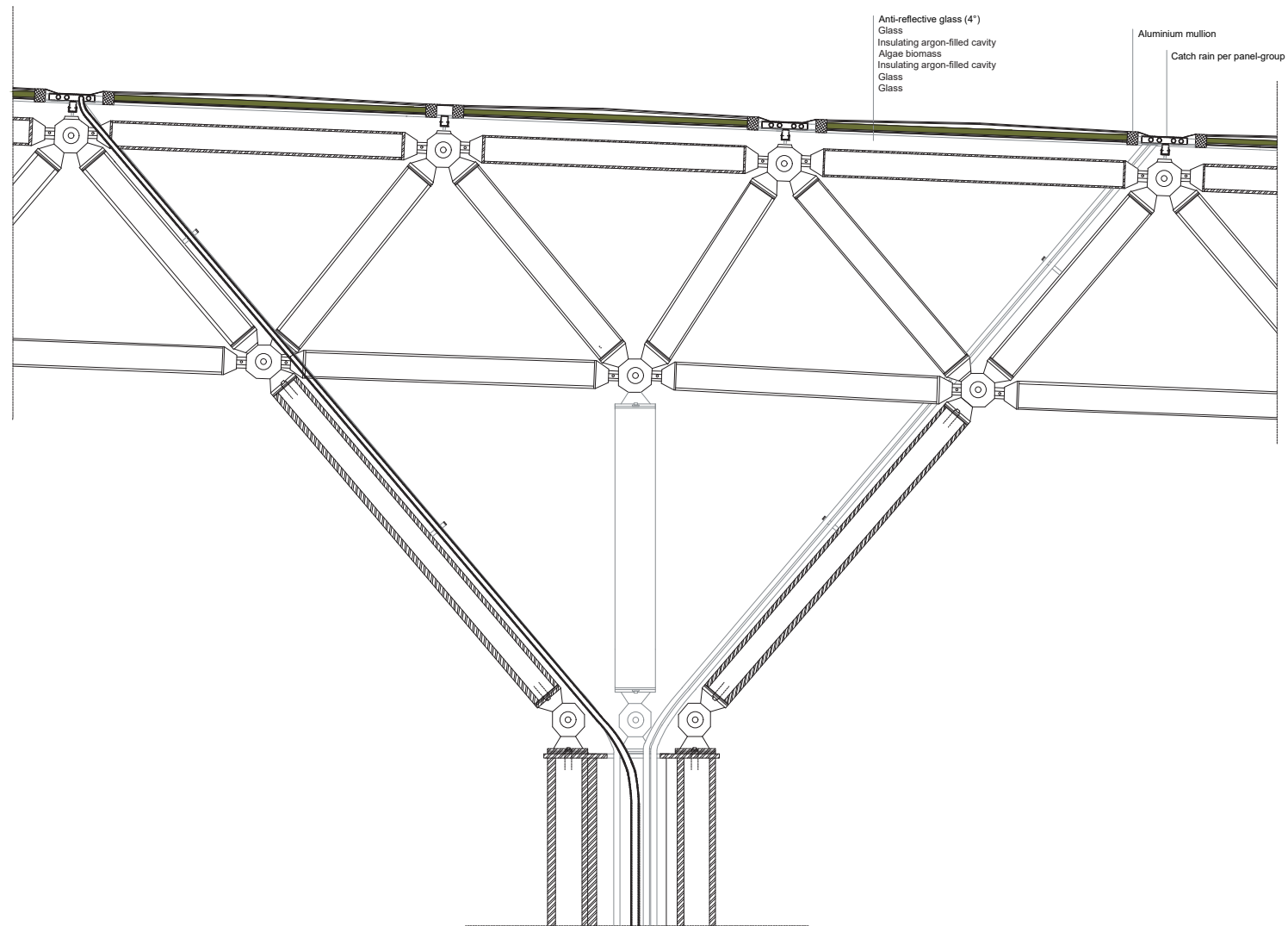
Details

## Algae panel roof structure



Details

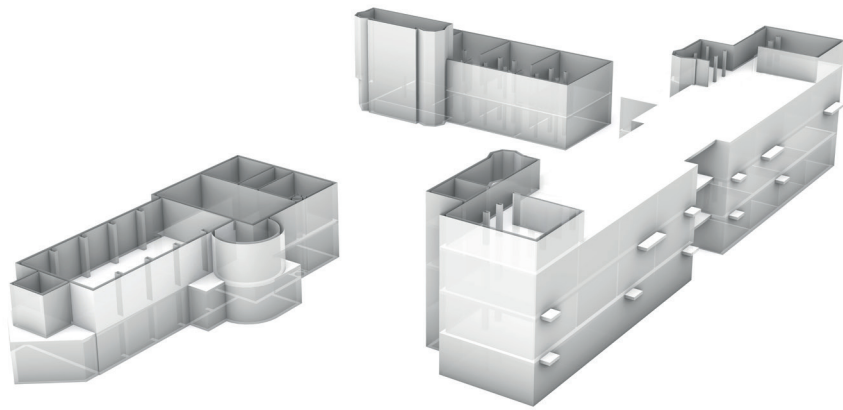
Algae panel roof structure details



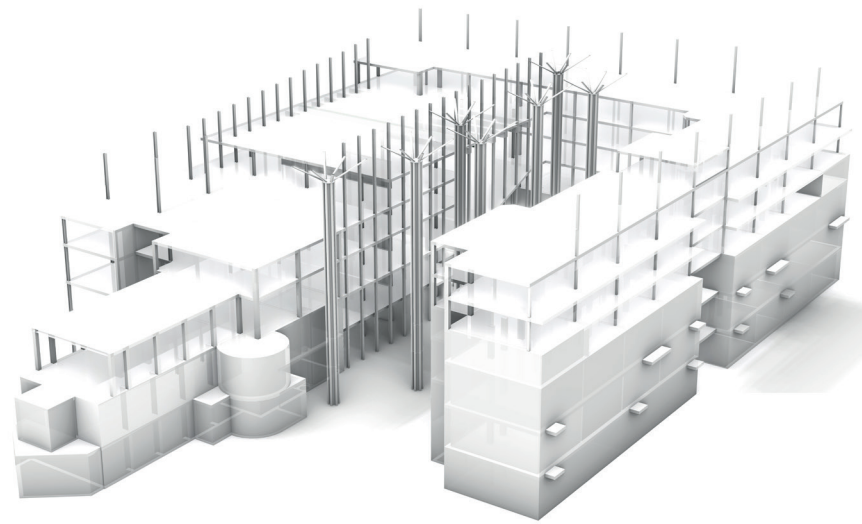


Construction

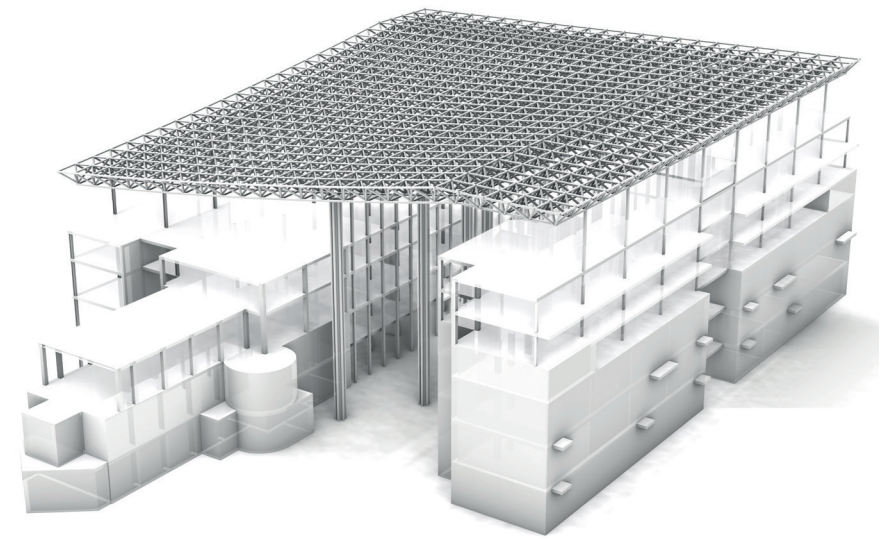
## Construction model 3D - build up



Existing building



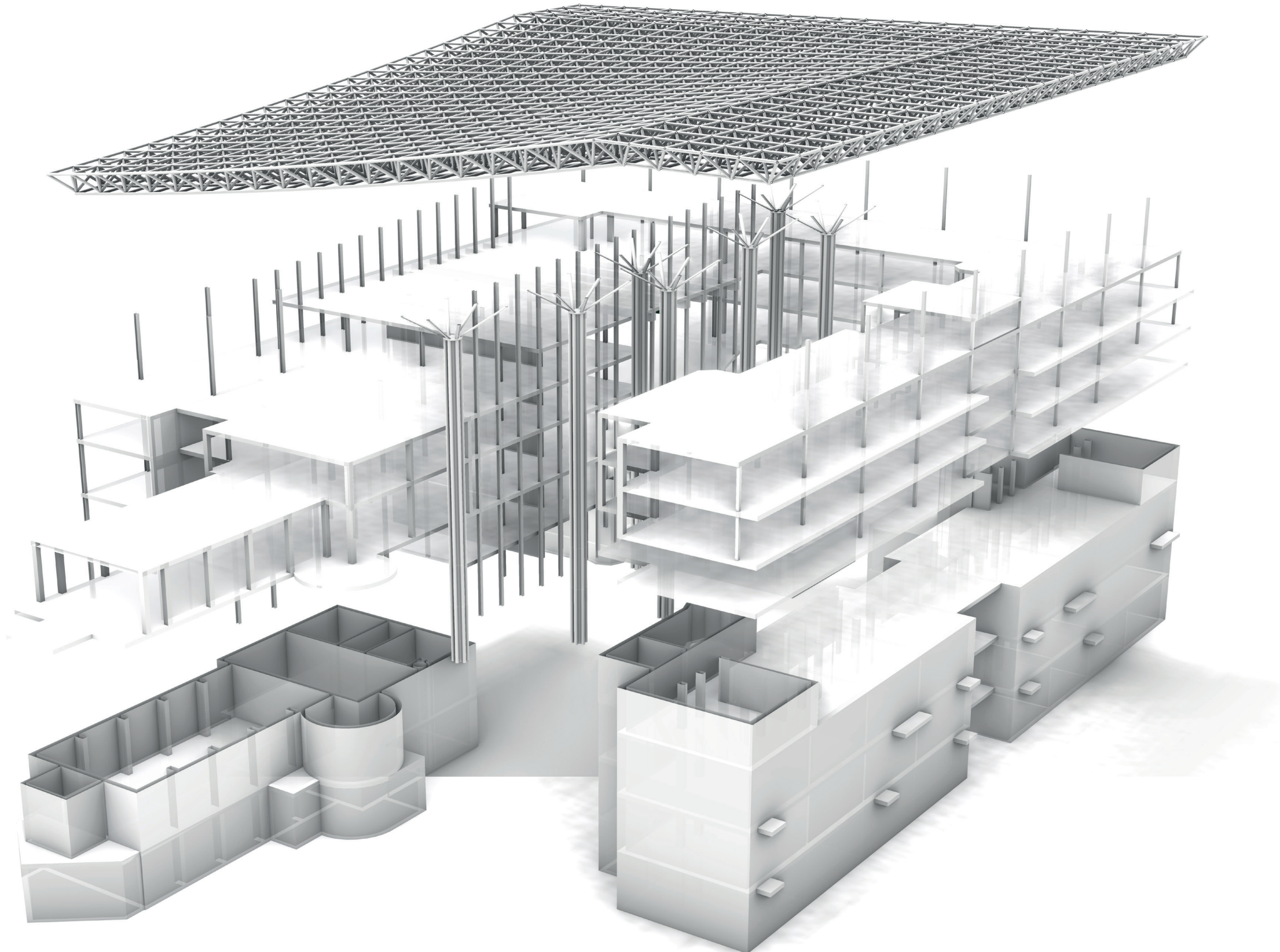
Additional building



Roof structure

Construction

Construction model 3D - axo



# VISUALIZATION



Visualization

3D view public park





Visualization

Park from elevator entrance





Visualization

Park from inner square





Visualization

South-West facade





Visualization

South-East / North-East facade corner





Visualization

Shared rooftop afternoon





Visualization

Shared rooftop morning





Visualization

## Shared rooftop evening





Visualization

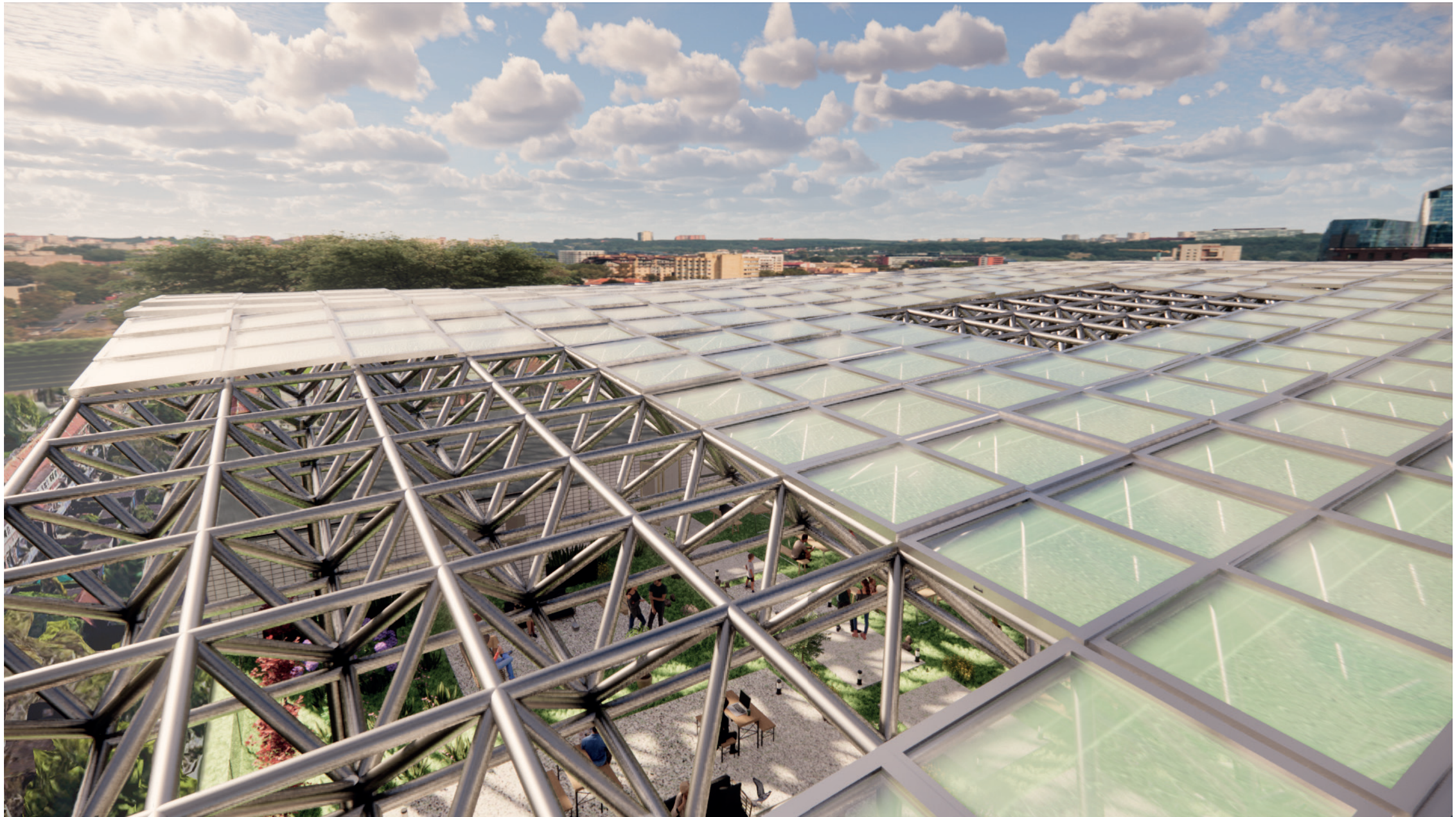
## Shared rooftop night





Visualization

Algae panel construction from above





Visualization

Classroom transformed to apartment





Visualization

Research park outdoor view from staircase





Visualization  
Research laboratory





Visualization

Restaurant interior view





Visualization

View from staircase into restaurant





## APPENDIX

Drawings of the original building

# Ground floor plan

GEMEENTE ROTTERDAM  
1923

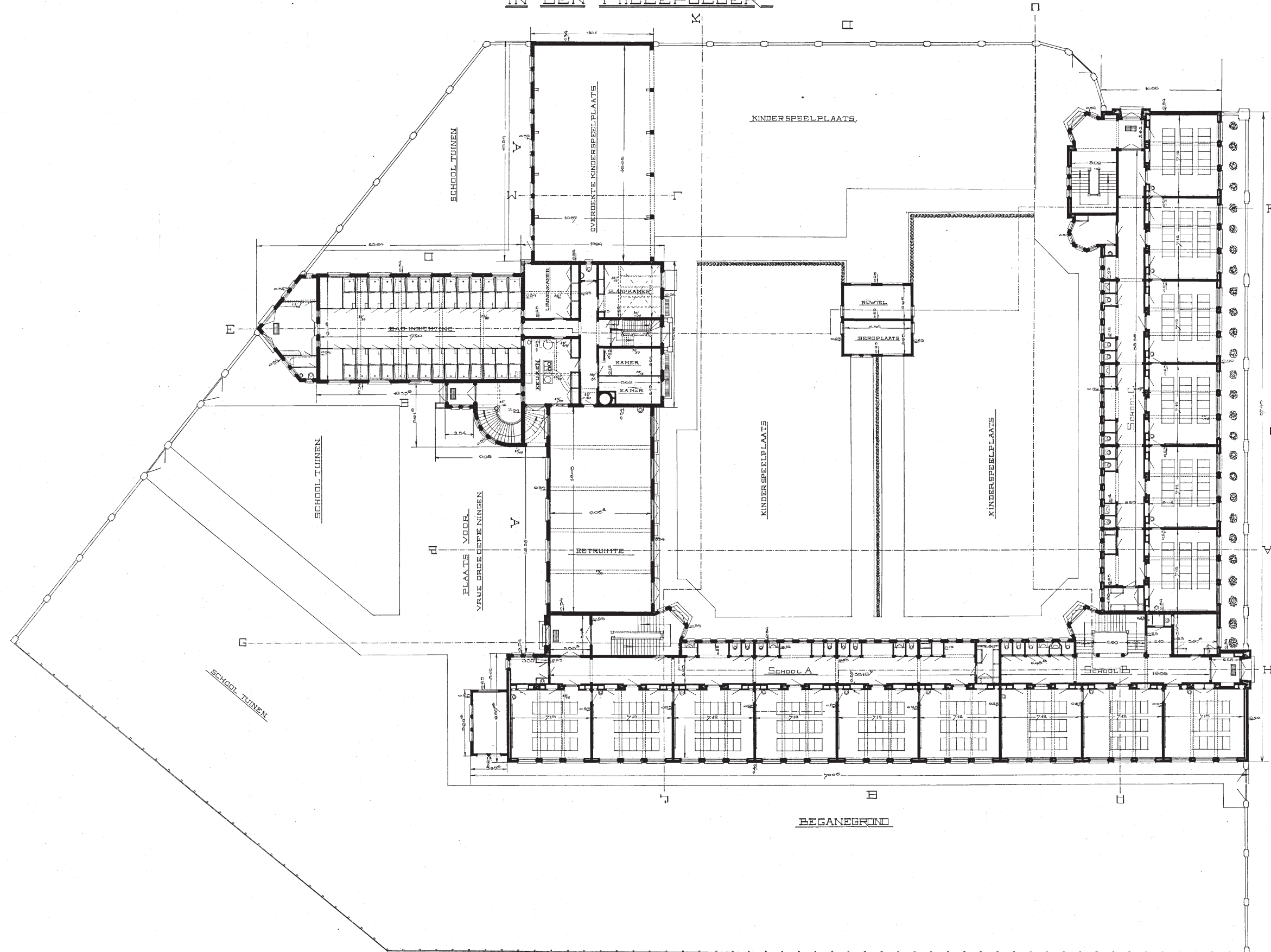
BEHOORT BIJ BESTEK N° 573

DRIE SCHOLEN, WAARVAN TWEE VOOR G.L.O. EN ÉÉN VOOR U.L.O.

TEKENING IN 11 BLADEN  
BLAD N° 3

MET GYMNASIEK-EN TEEKENZALEN, EETRUIMTE, BADHUIS, CONCIERGEWONING, OVERDEKTE KINDERSPEELPLAATS, RIJWIELBERG-PLAATSEN EN TUINMUREN

IN DEN HILLEPOLDER





Drawings of the original building

Elevations



LEVEL C

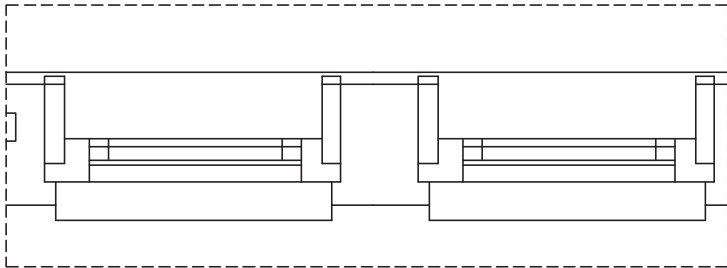


LEVEL B

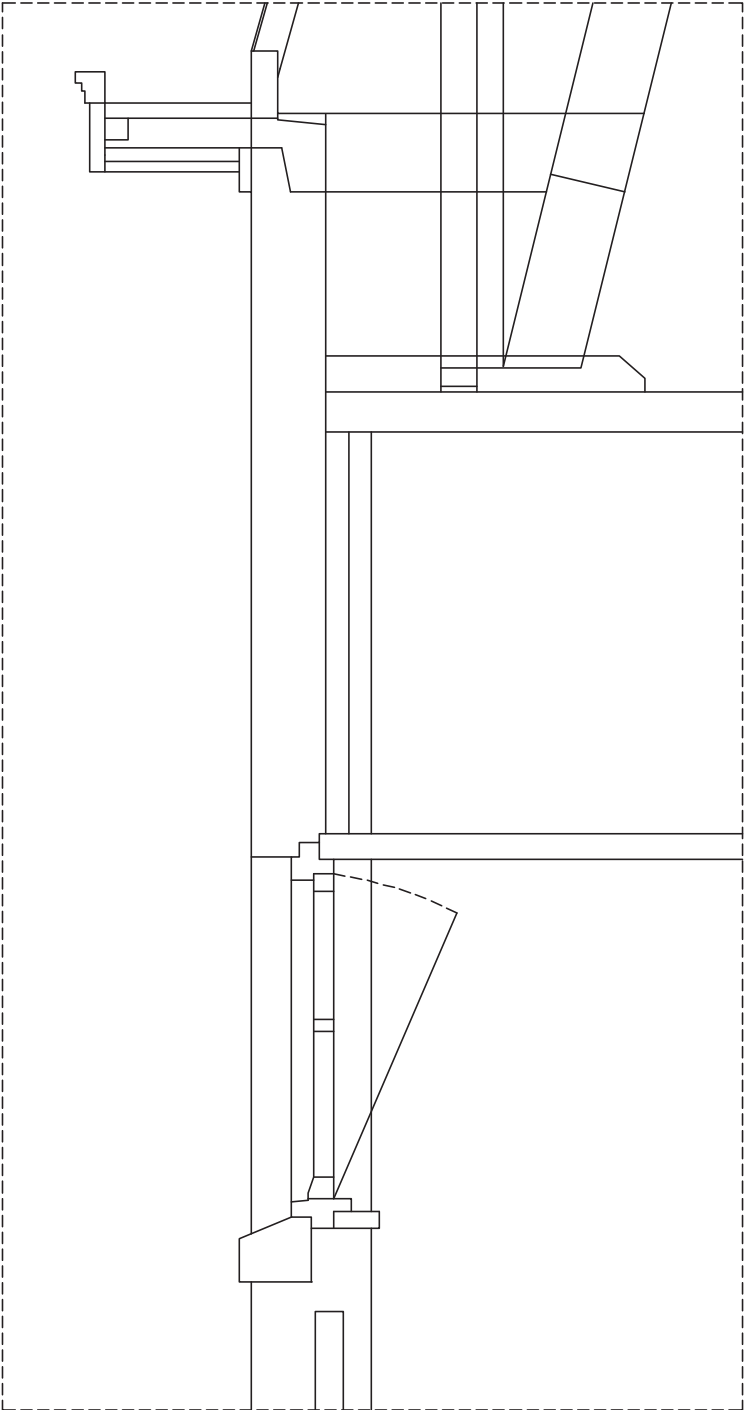


LEVEL A

Original details 1:5



Horizontal window frame



Vertical window frame