

Transformation of De Singel

- incorporating the VAI archive into the existing cultural complex

overview

- VAi archive
- Archive and Public Life
- Context
- Strategy
- Intervention

A new home for the VAI archive

Vlaams

Architectuur

instituut



Photo: VAI





Archive and Public Life



The drawing office in Sir John Soane's Museum



Drawing Matter in Shatwell farm



Photographic archive vault in CCA



Museum Boijmans - MDRDV



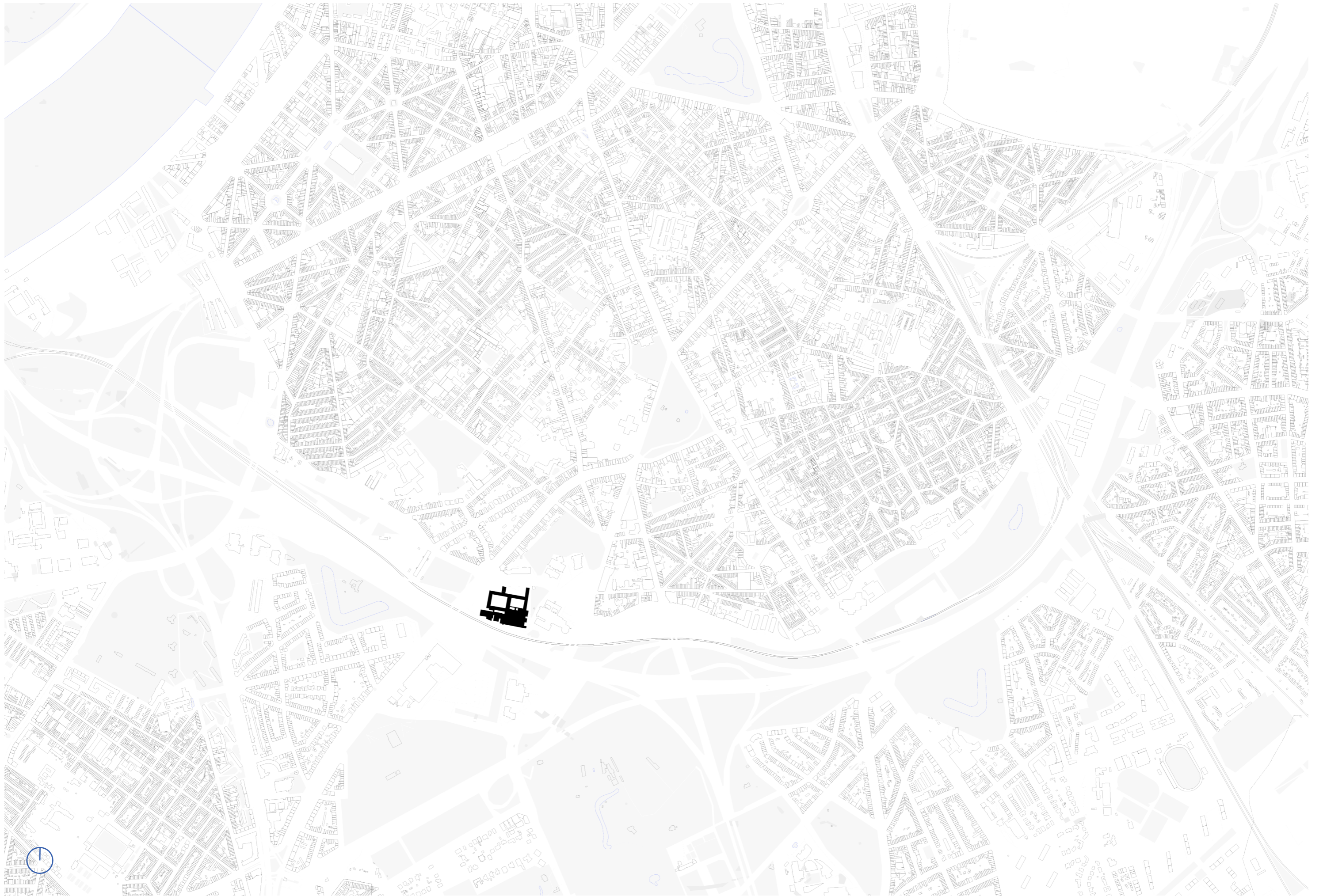
'...what might be the role of the extensive historical material and technically defined conditions of the archive, as an integral component of the wider public mission of the organisation.'

The Brief

Context - De Single as a developing complex



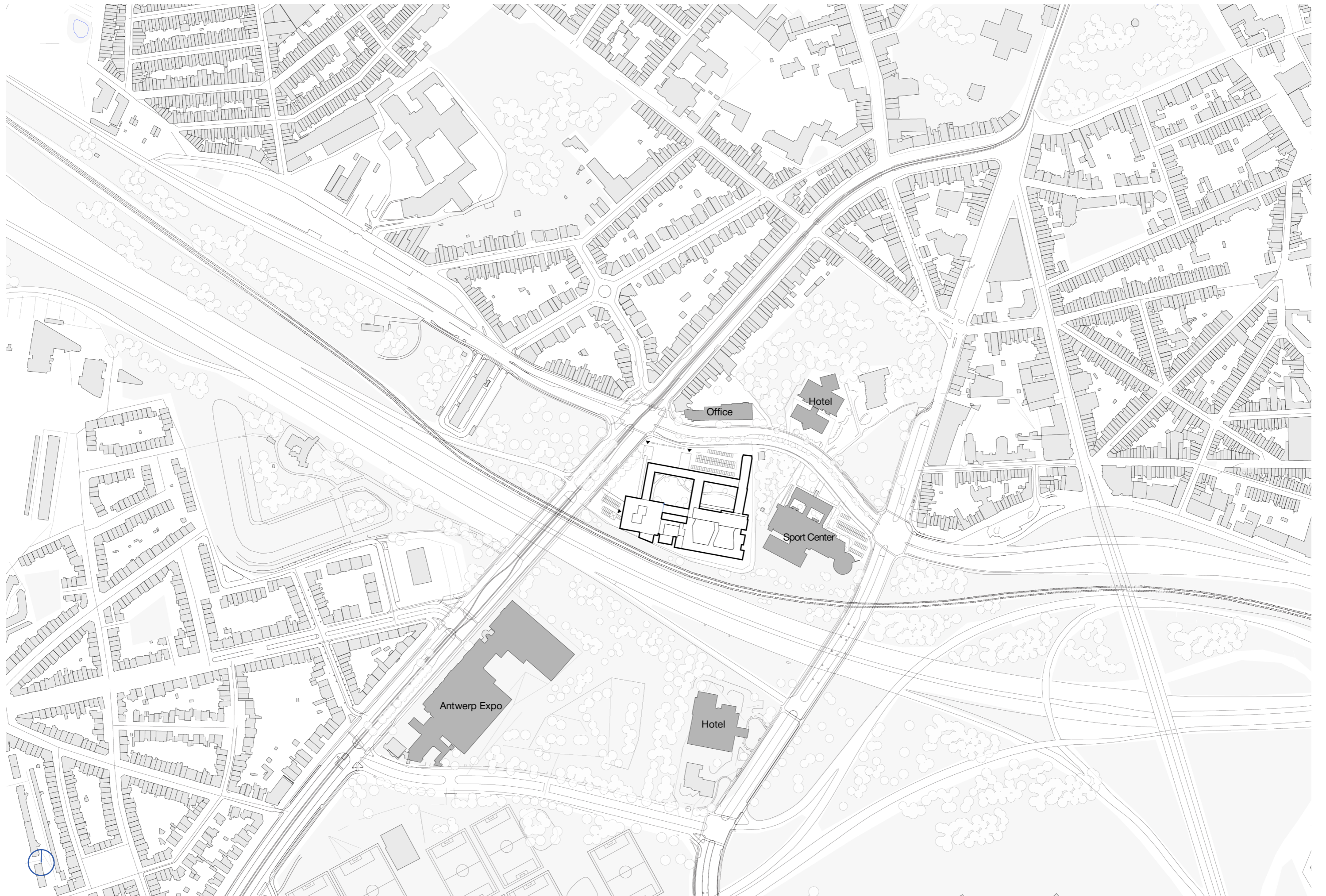
Photo: Jan Kempenaers



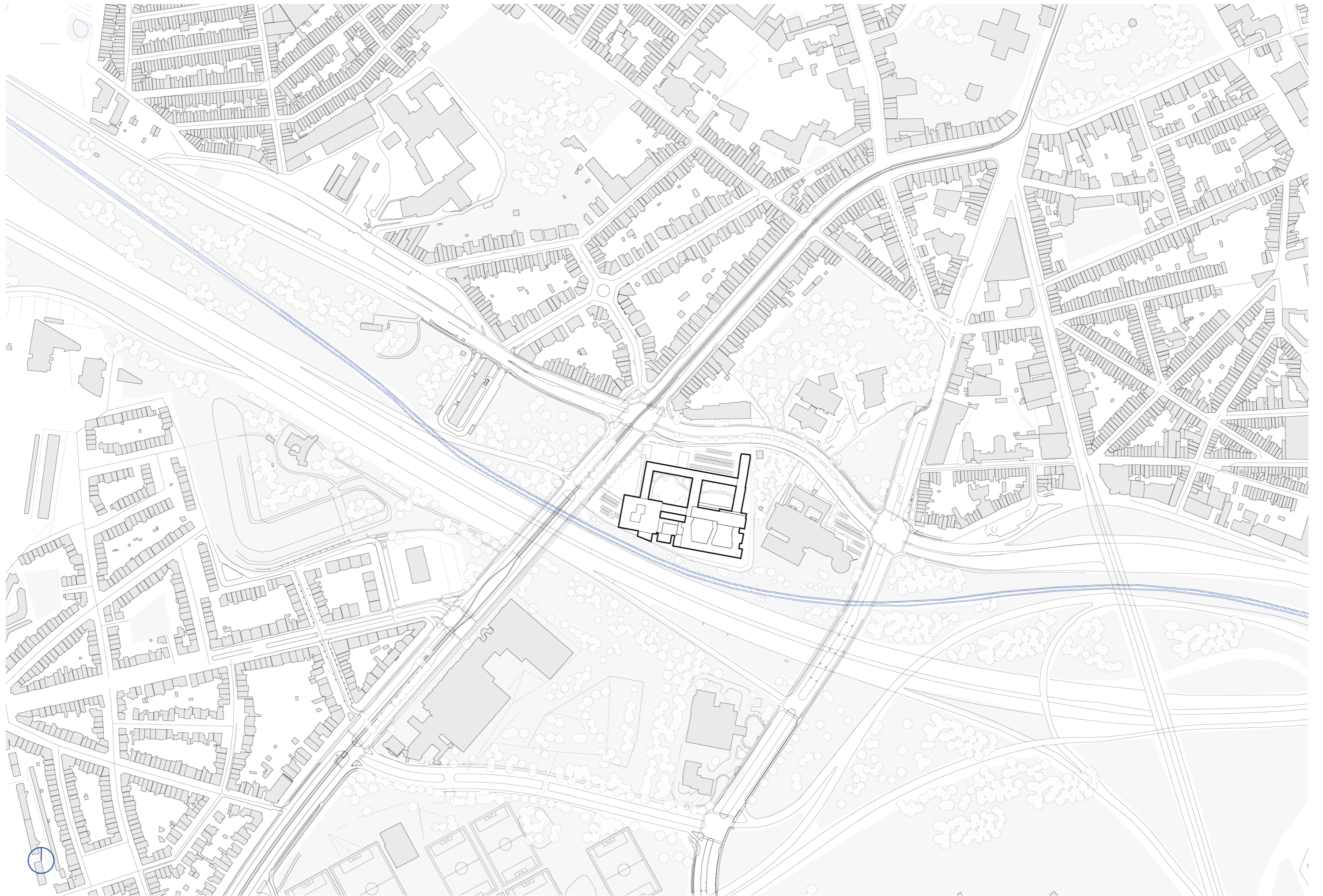
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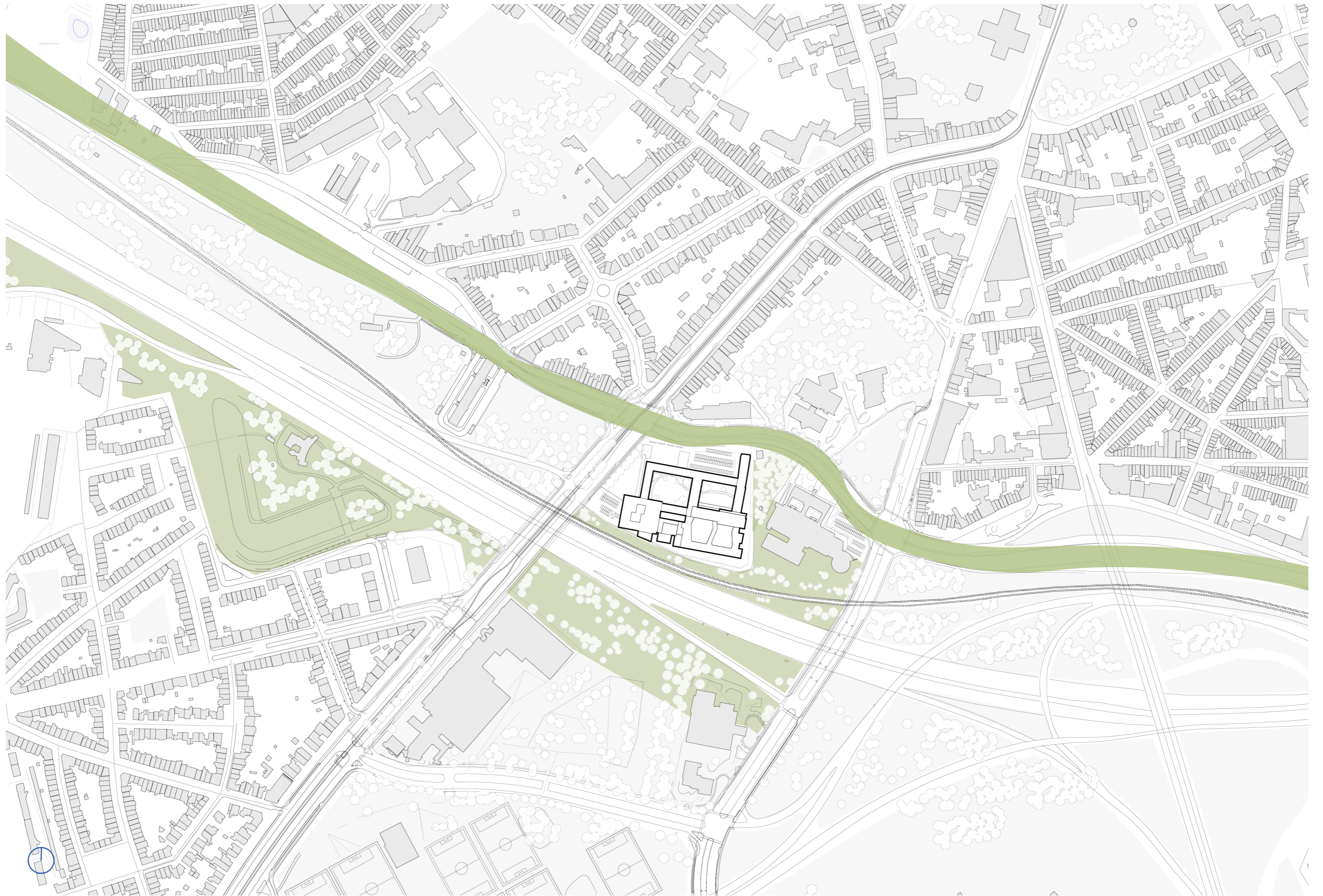


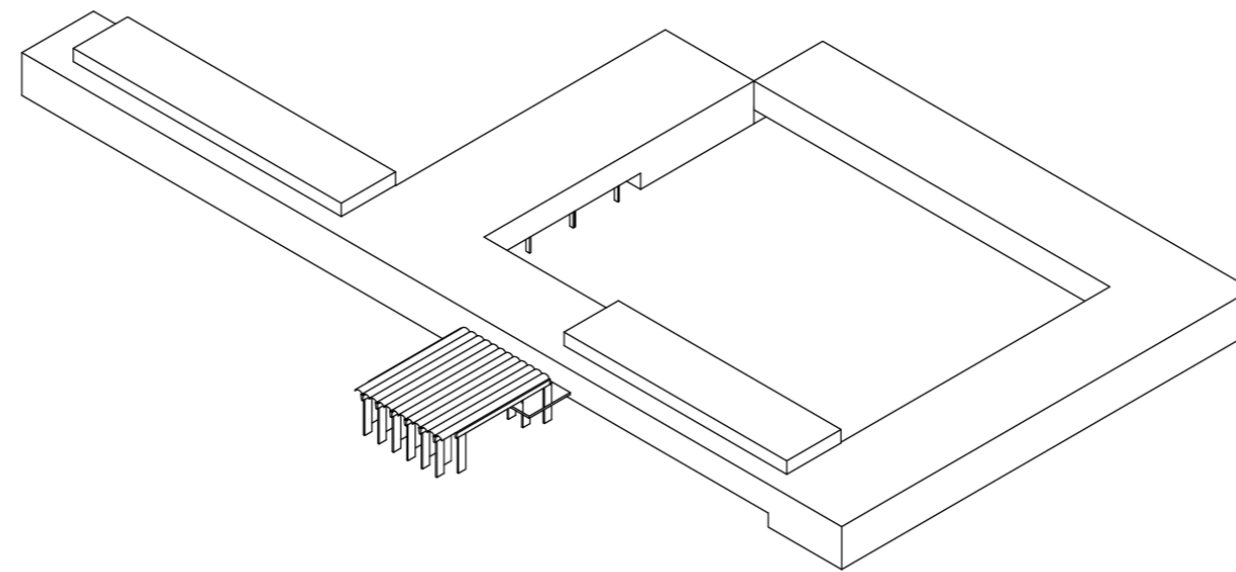






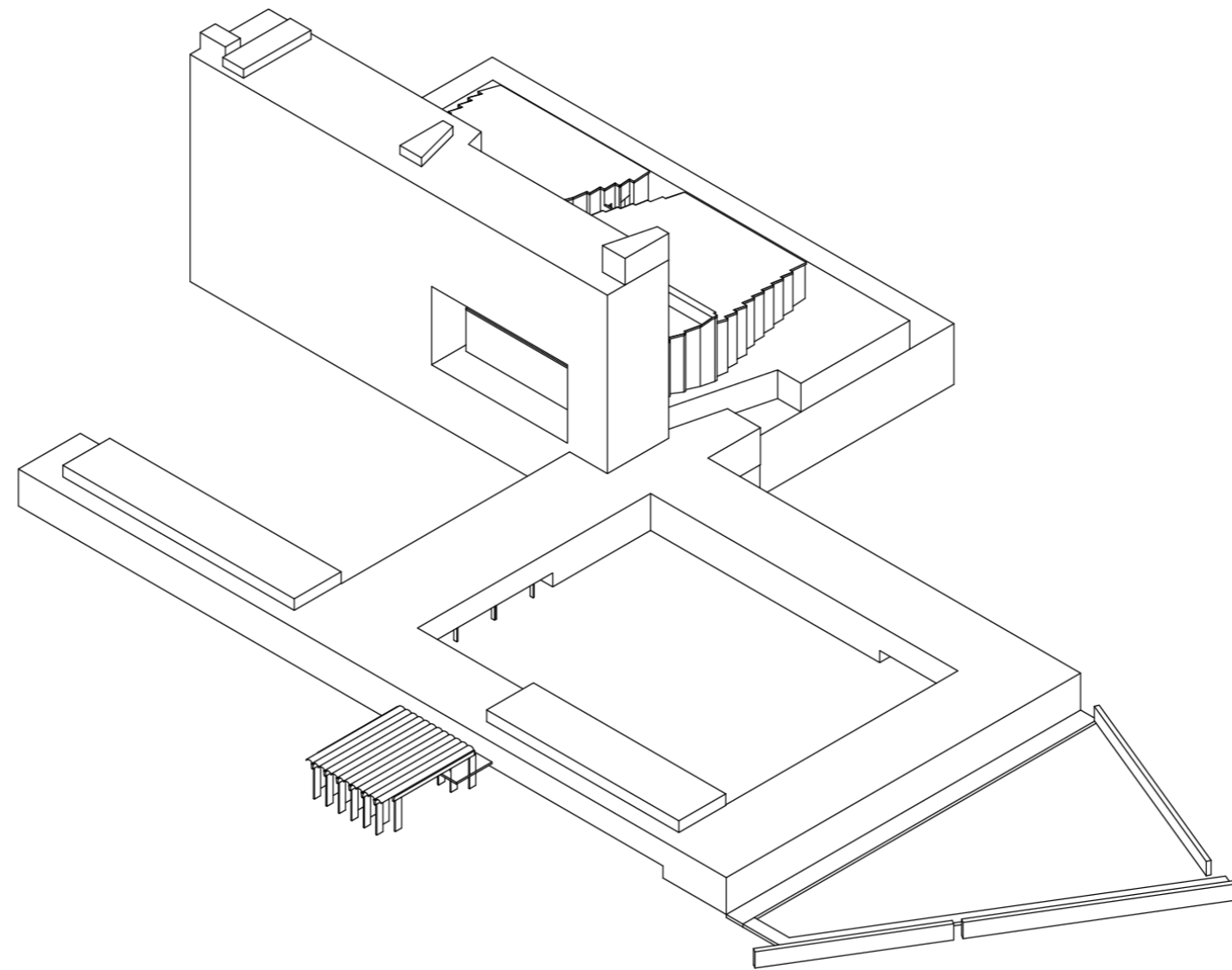






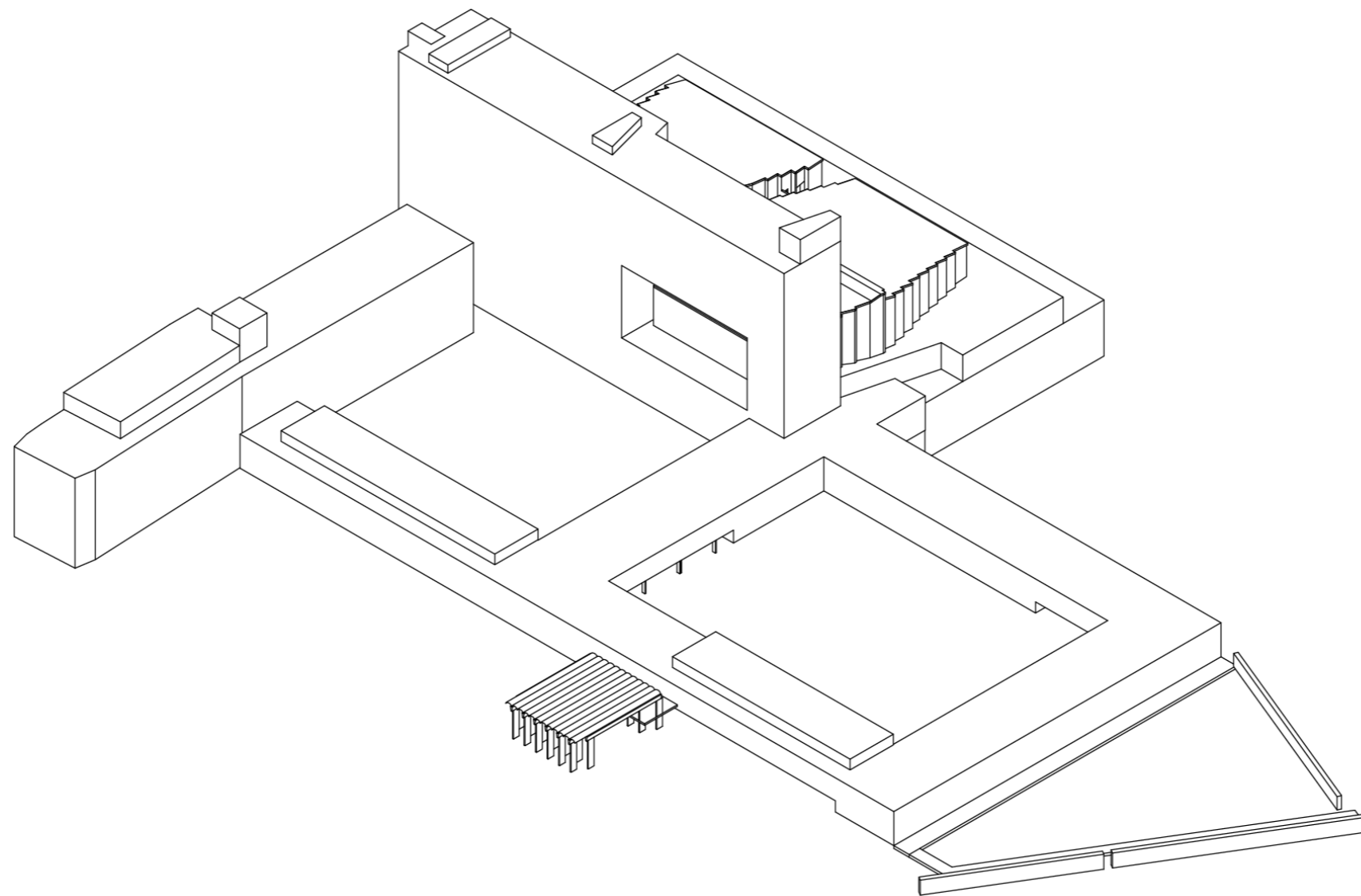
1963-1967

Léon Stynen and Paul De Meyer



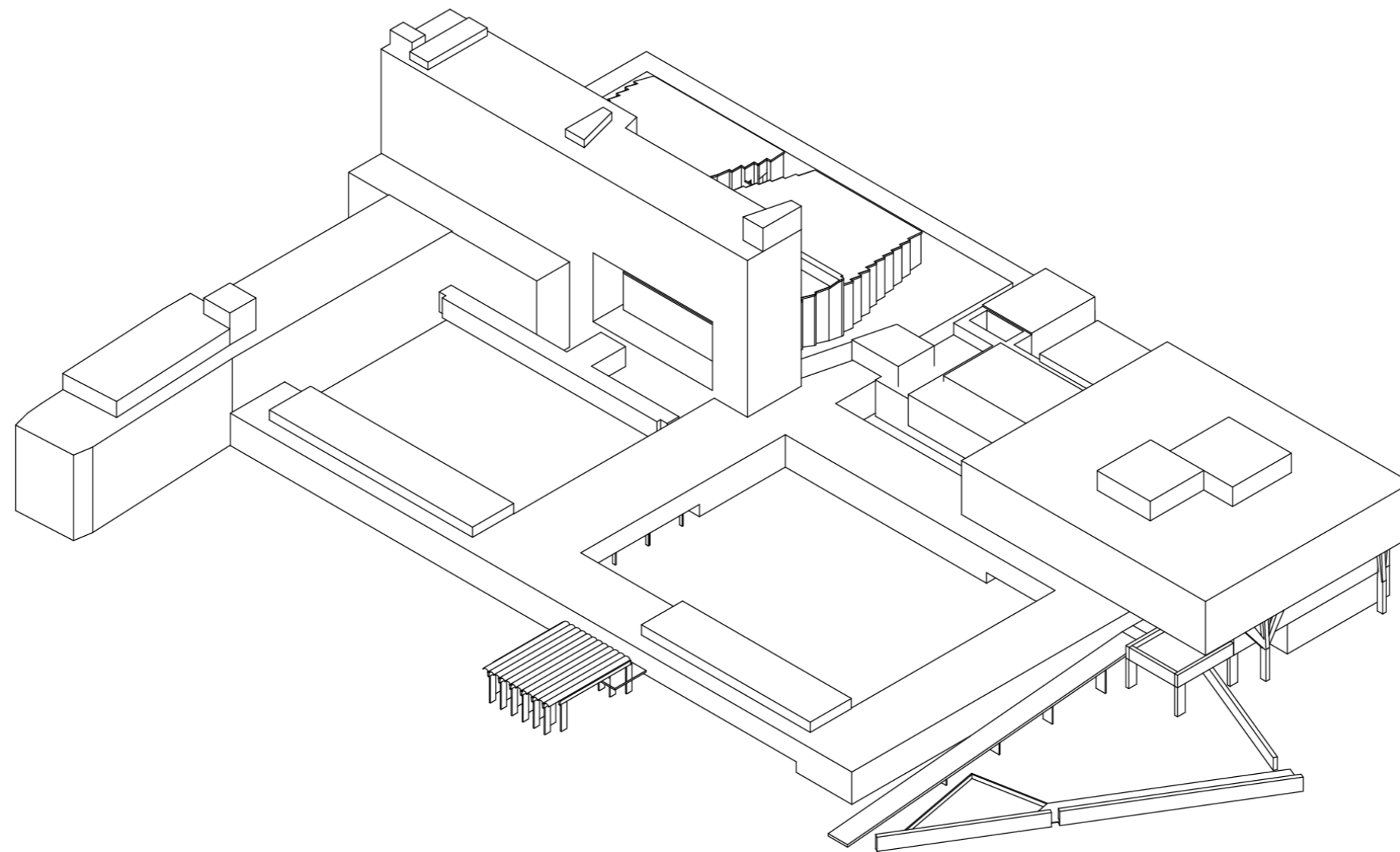
1973-1980

Léon Stynen and Paul De Meyer



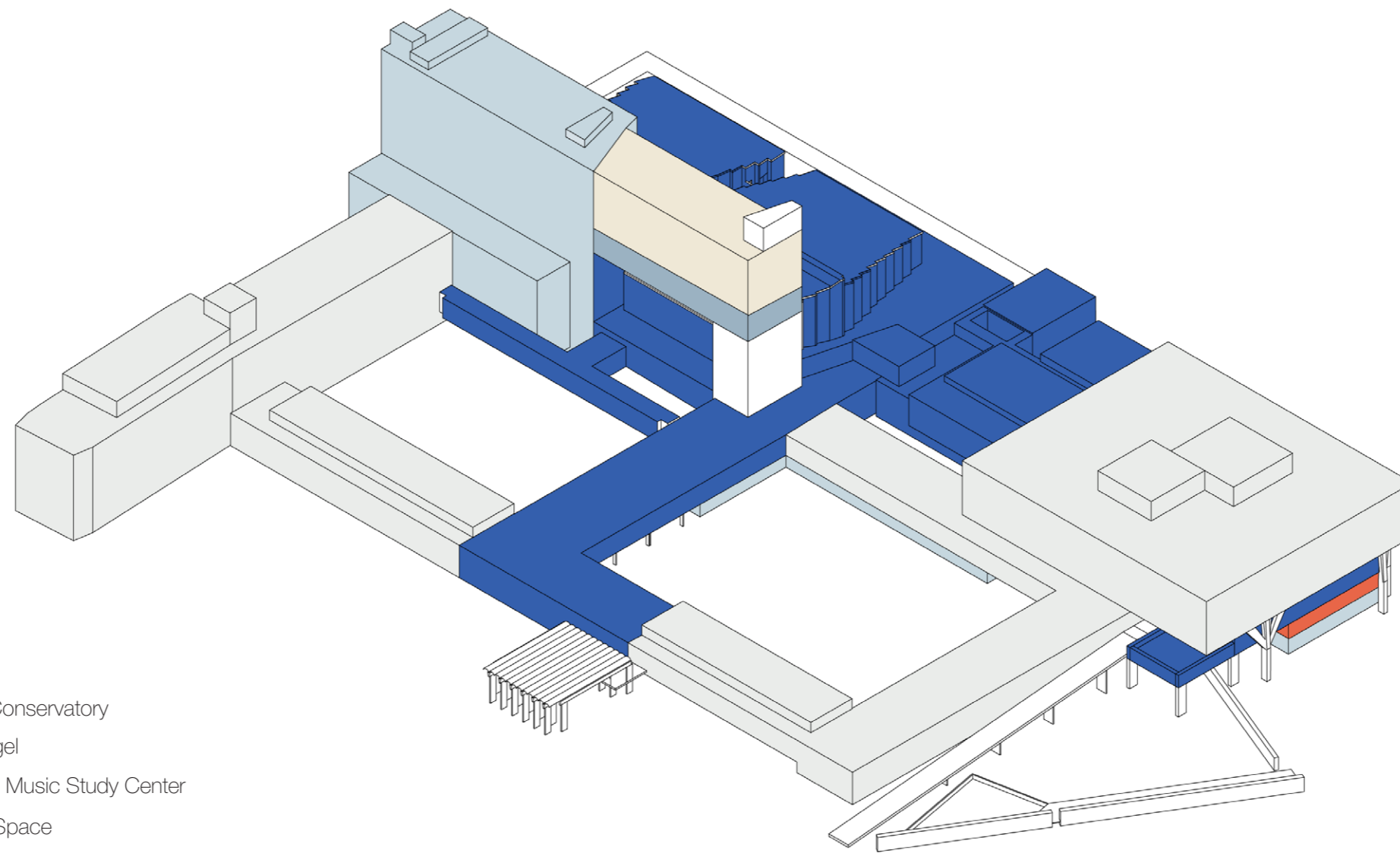
1985-1987

Paul De Meyer



2000-2010

Stéphane Beel



- VAi
- Royal Conservatory
- De Singel
- Flemish Music Study Center
- Public Space

Main Residents

' To make themselves more available, to find ways of opening themselves and their contents up to wider scrutiny and greater interest, to become relevant to people.'

The Brief

Opportunities

- connect different fields of audience in the same place
- become an active cultural hub that is welcoming to all
- a new entrance of de Singel that is part of the city

Strategy- Redefine Urban Conditions



Photo: Library Royal Conservatory Antwerp



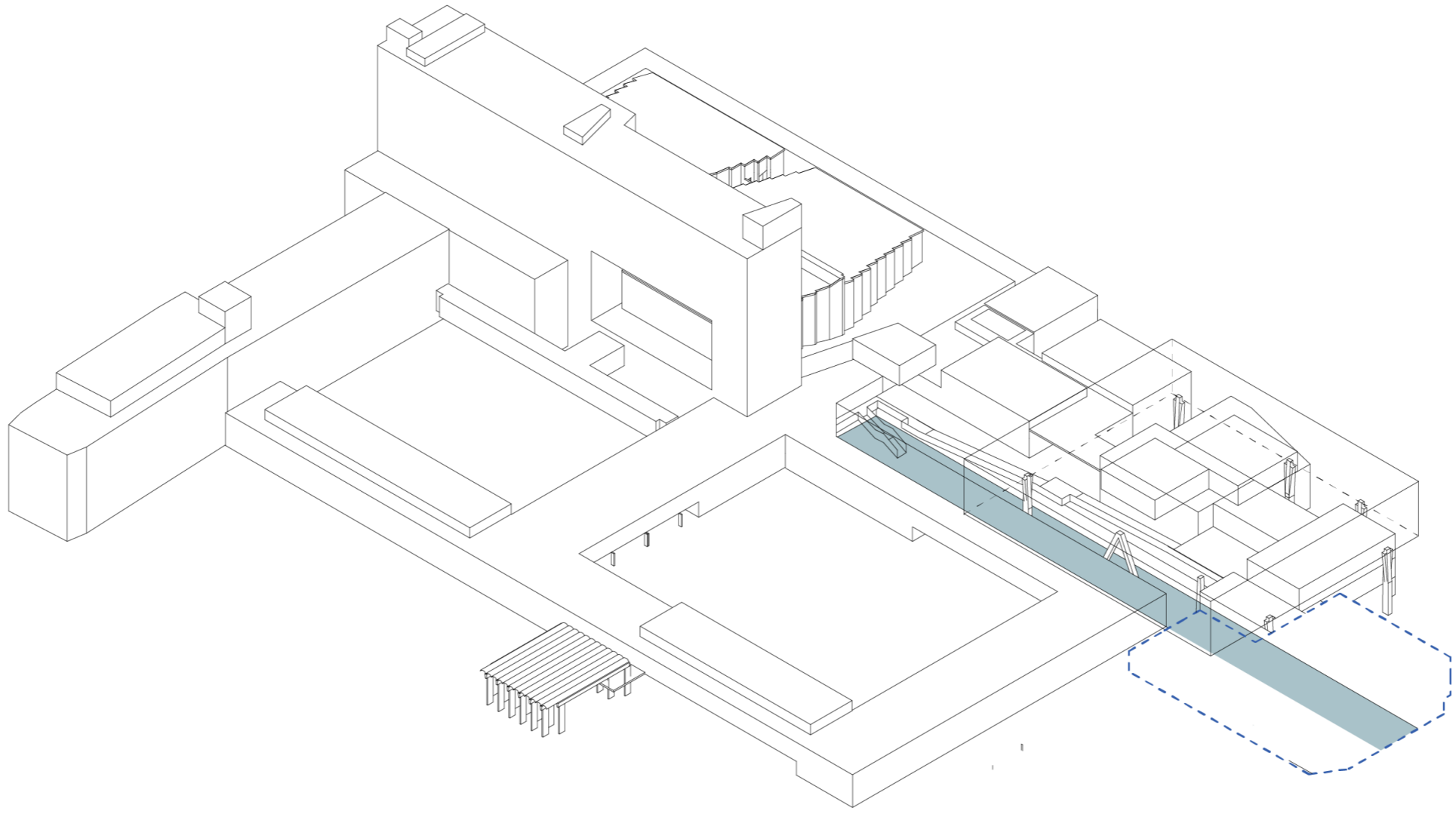


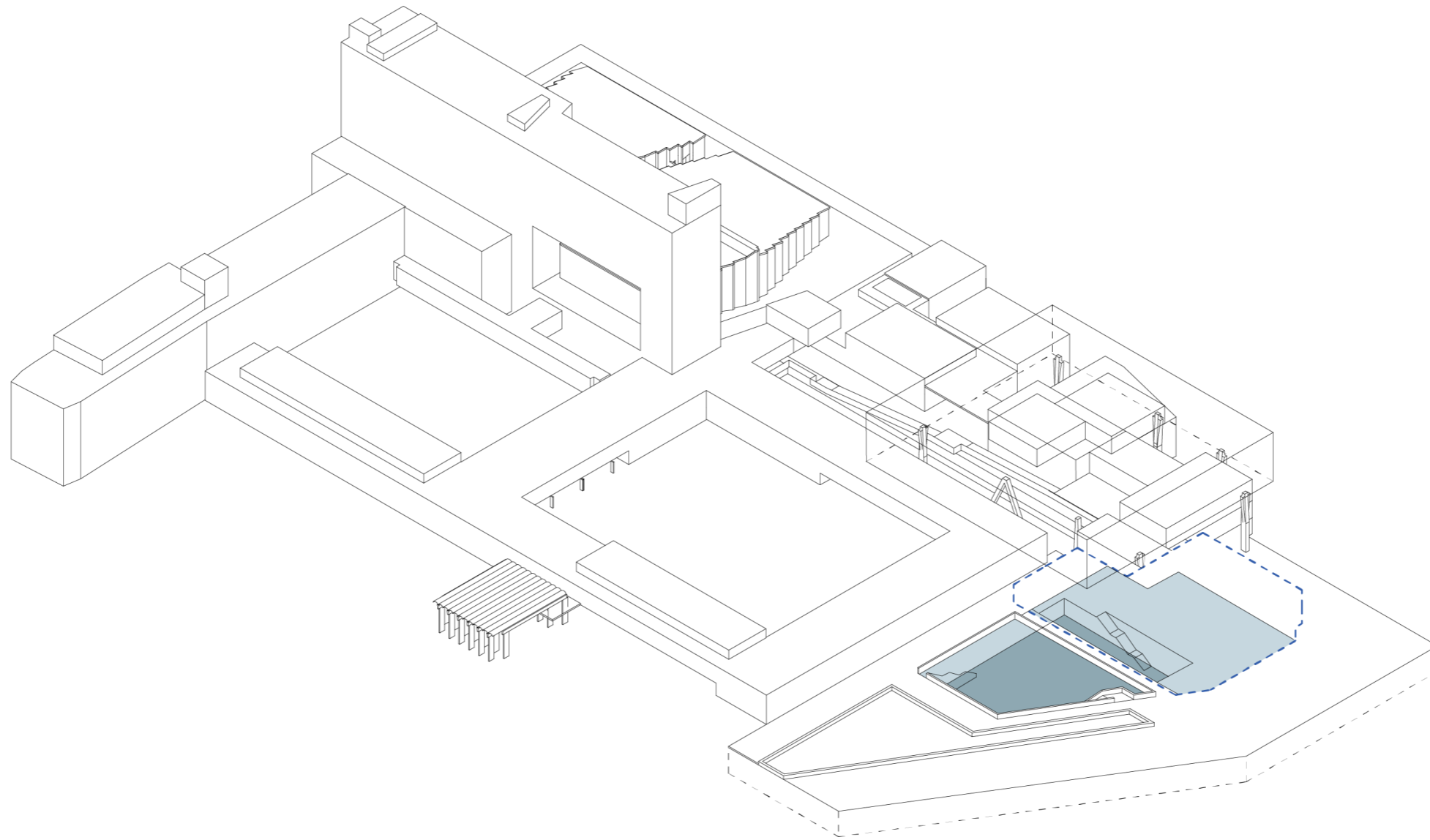
Photo: Google Earth

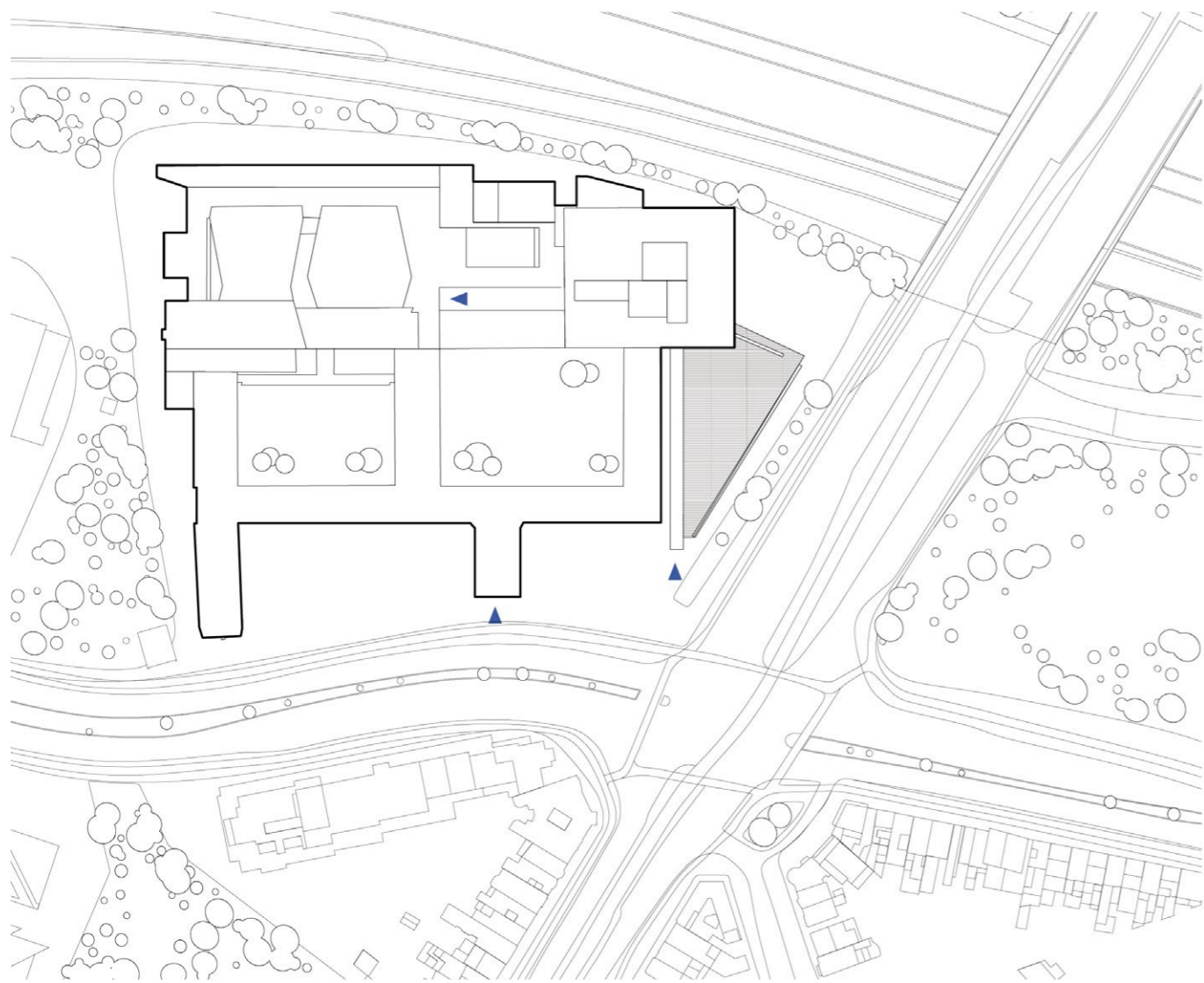




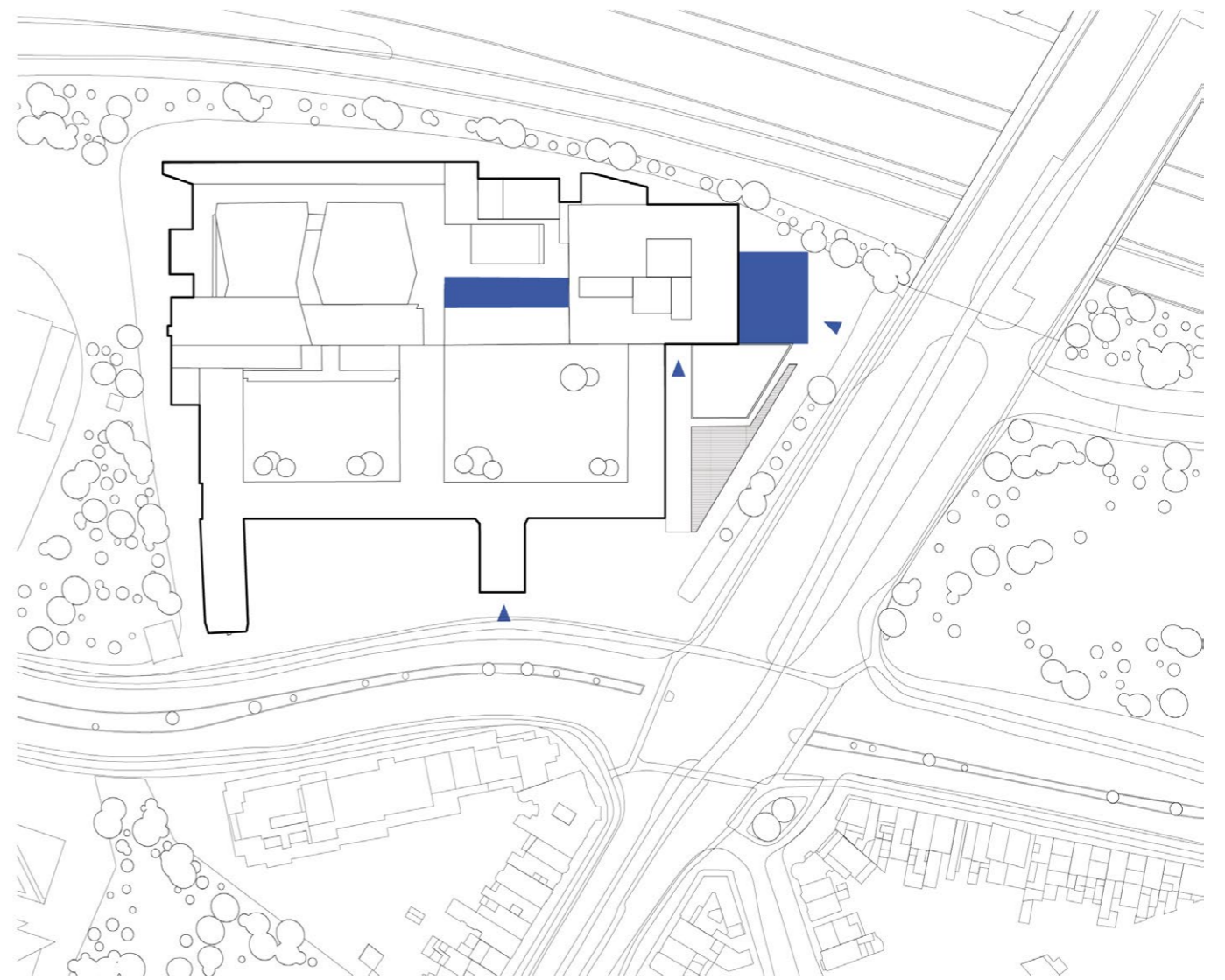




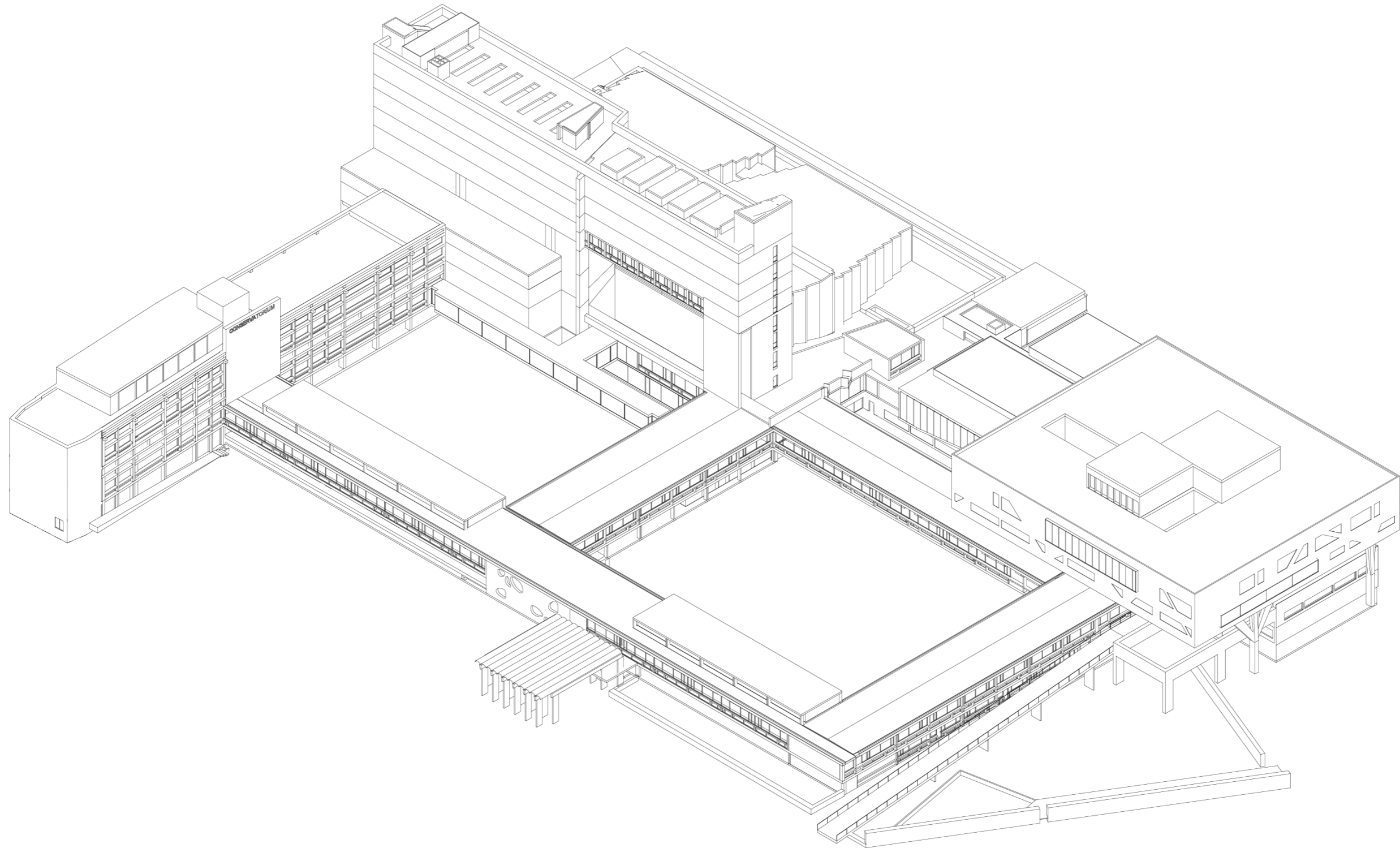




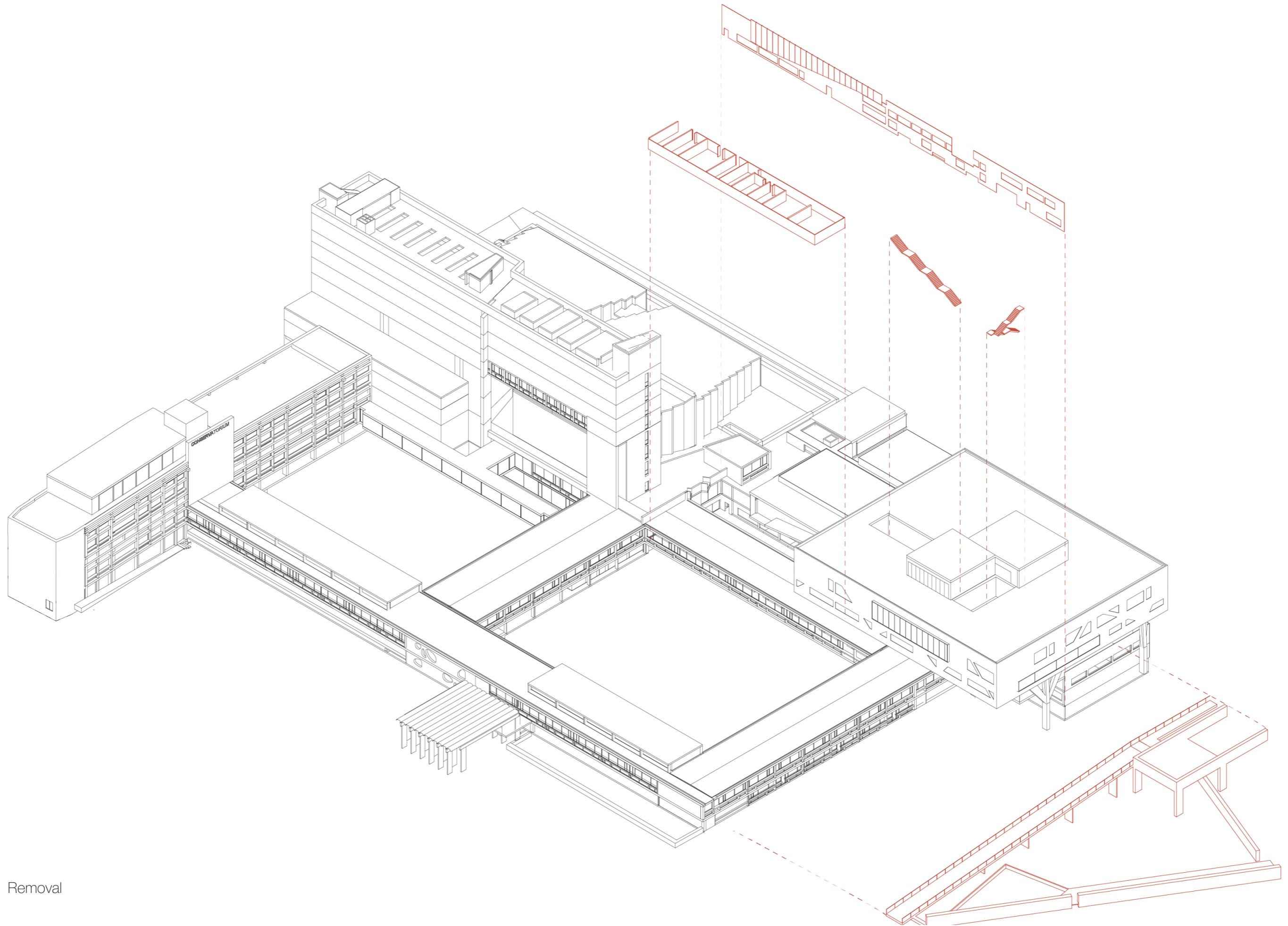
Before



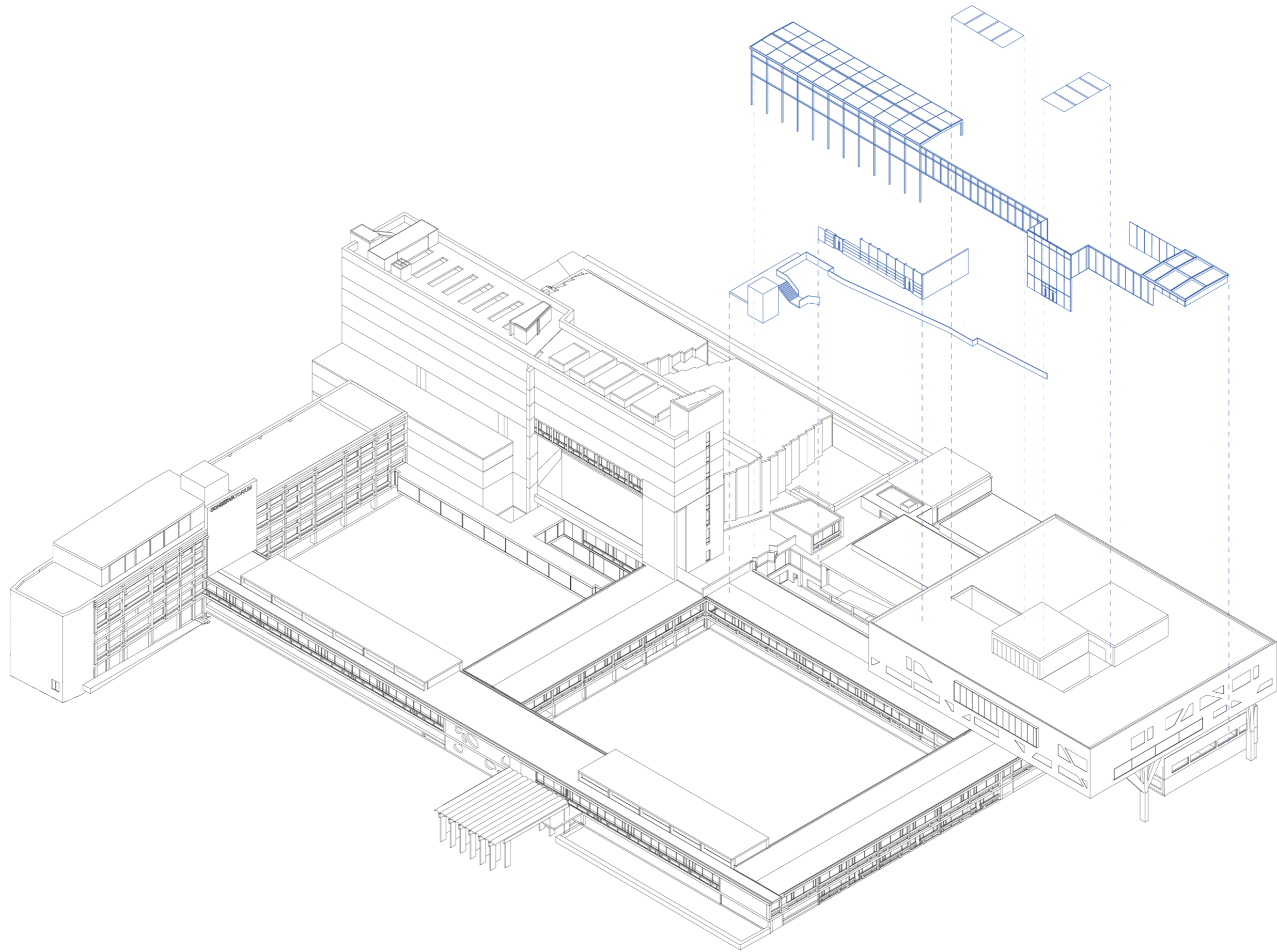
After



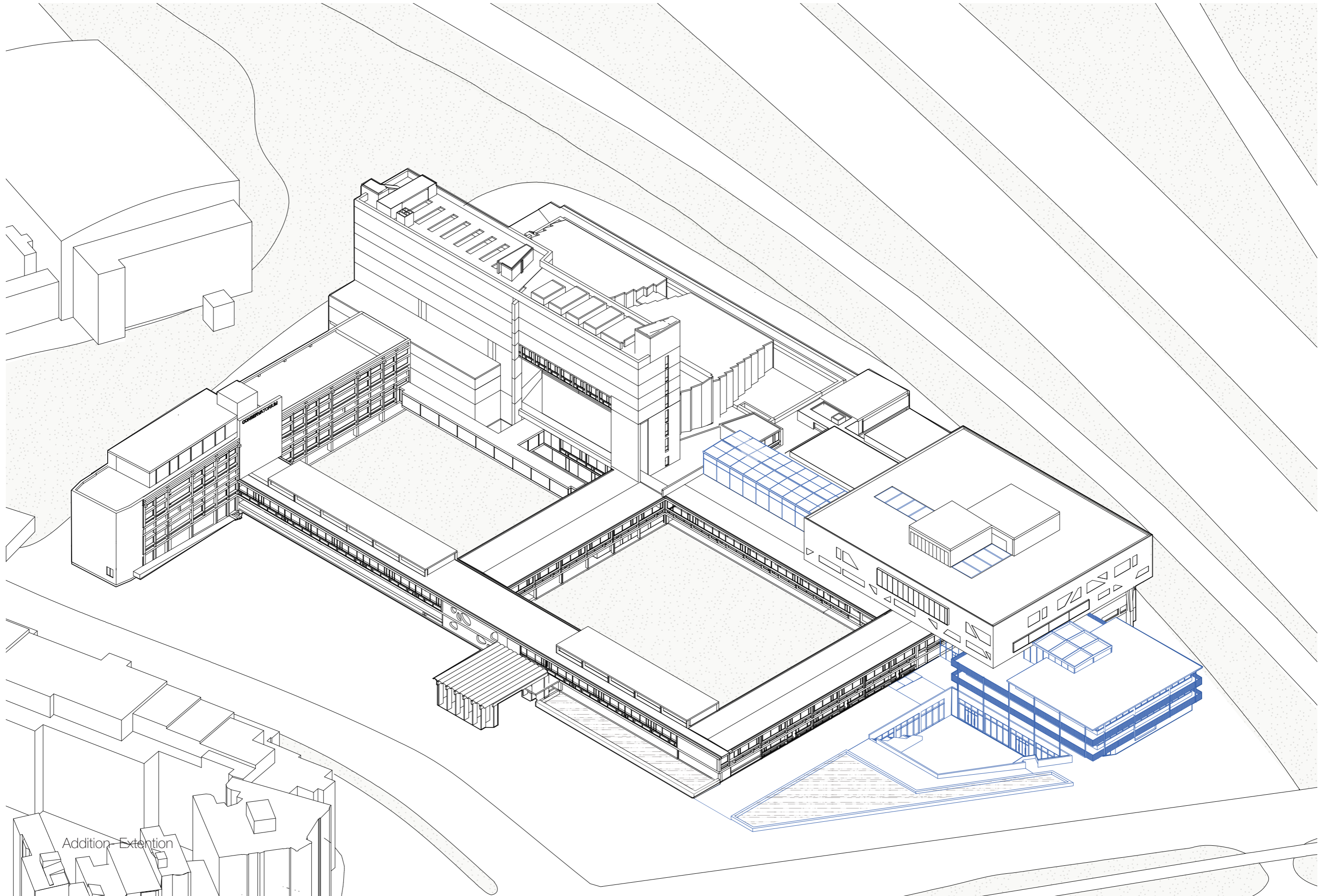
Existing



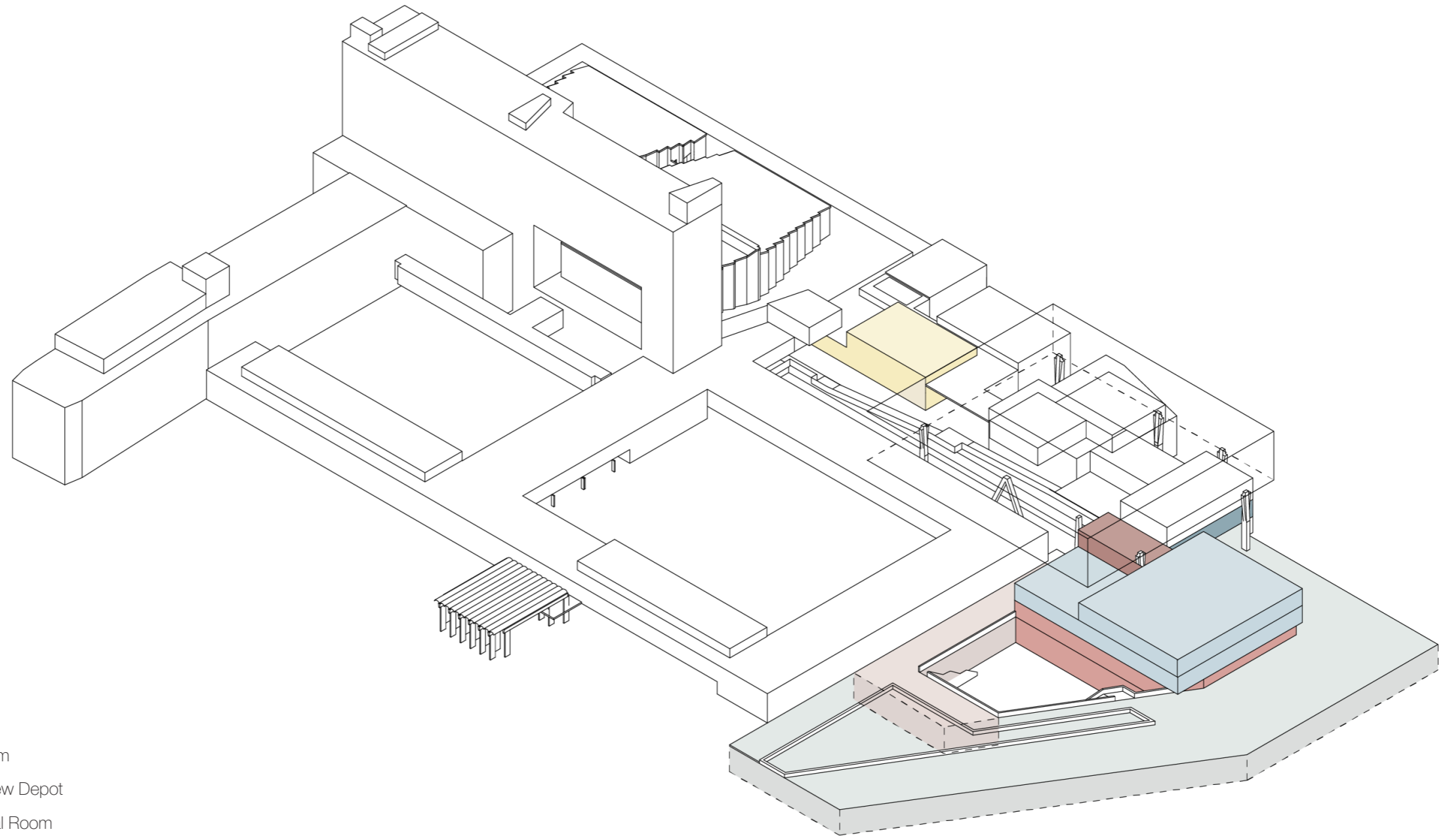
Removal



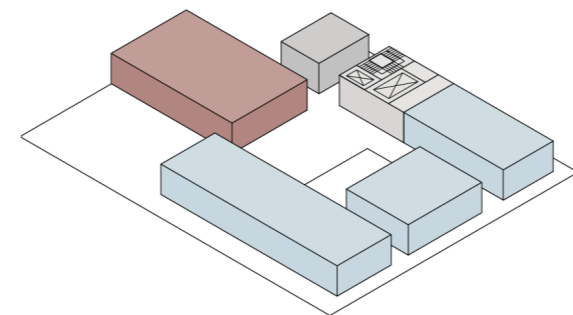
Addition- Atrium



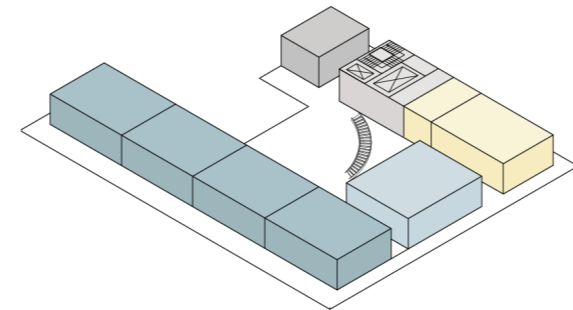
Addition - Extension



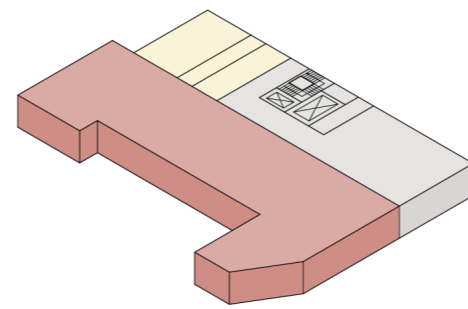
- Depot
- New Office
- Old Office
- Library
- Reading Room
- Exhibition+View Depot
- Multifunctional Room



+1 Office and multifunctiona space

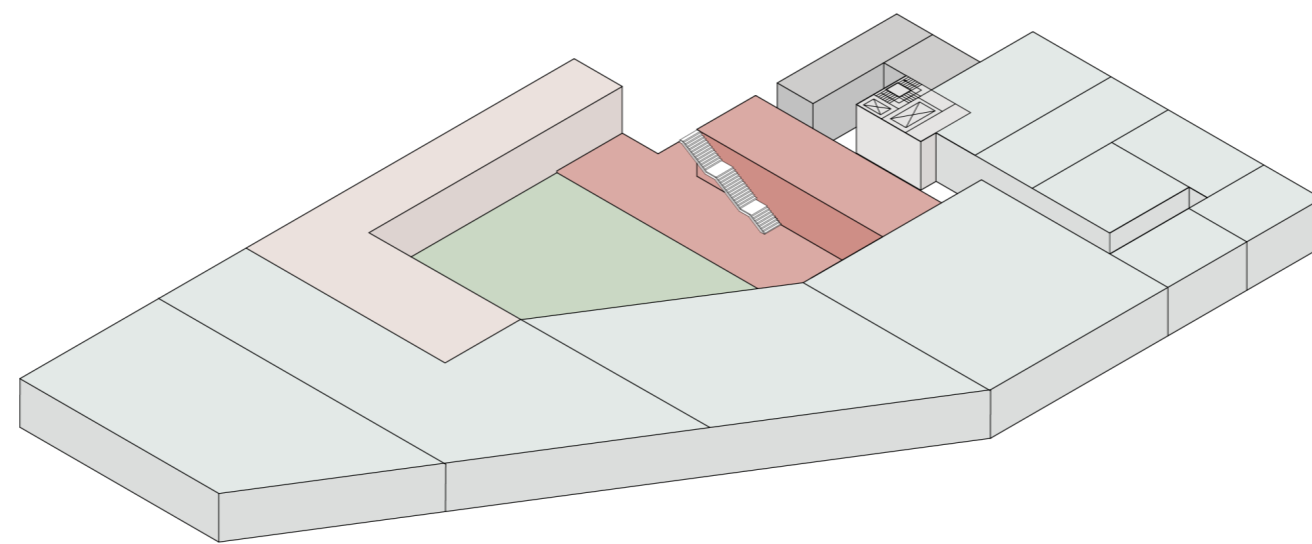


+1 Office



GF Entrance and exhibition

- Sunken Garden
- Depot
- New Office
- Studio
- Facilities
- Reading Room
- Exhibition+View Depot
- Multifunctional Room
- Circulation
- Technical Room



B Sunken garden and depot

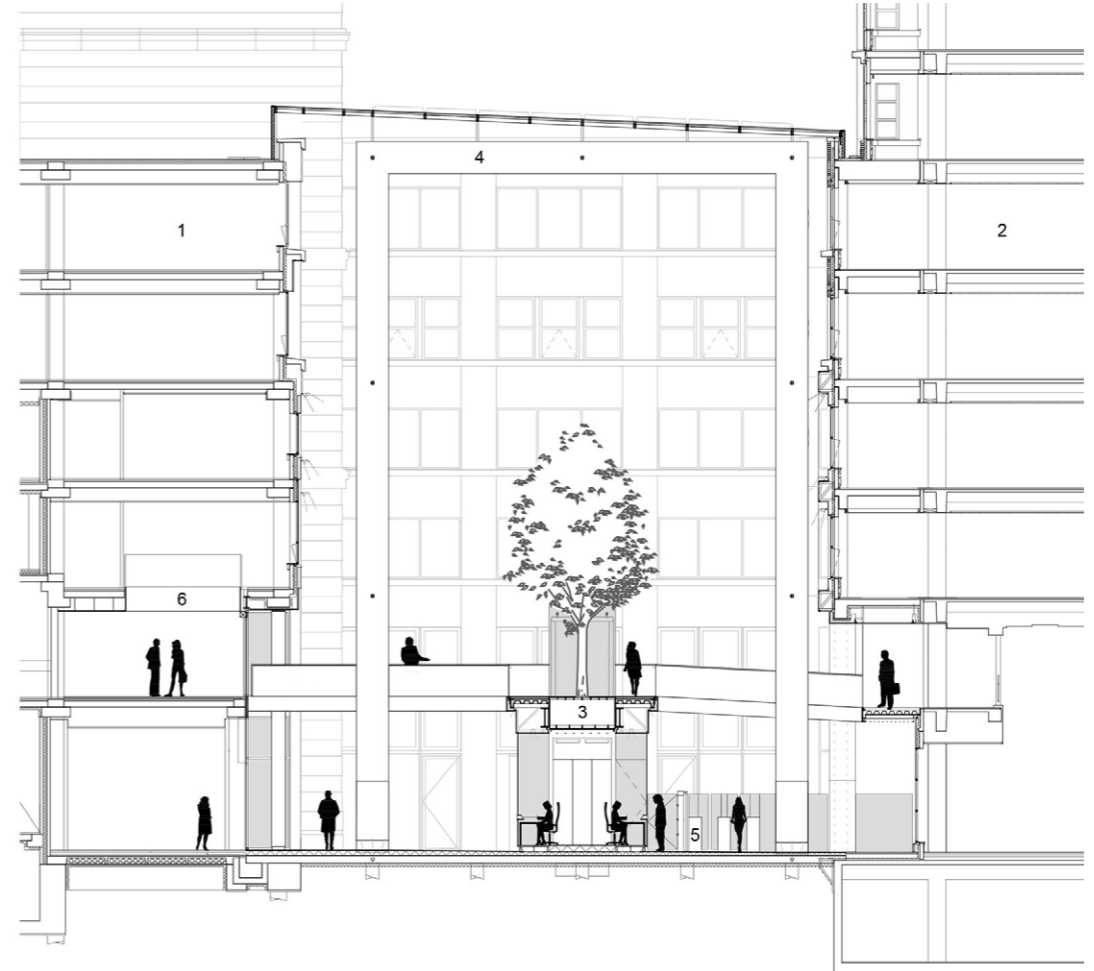




Intervention - Connecting de Singel

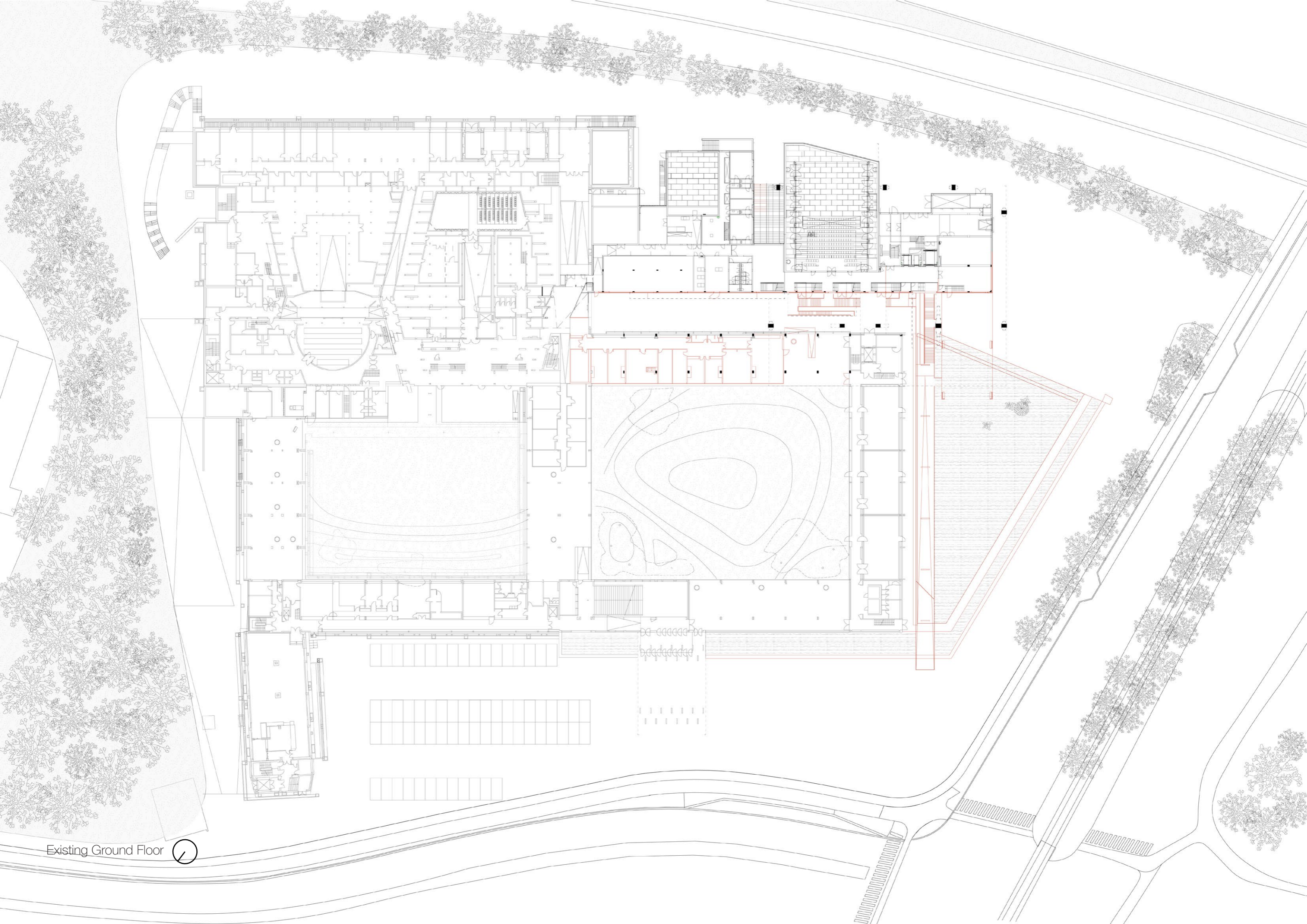


Renovation and expansion of the Morgan Library -Renzo Piano



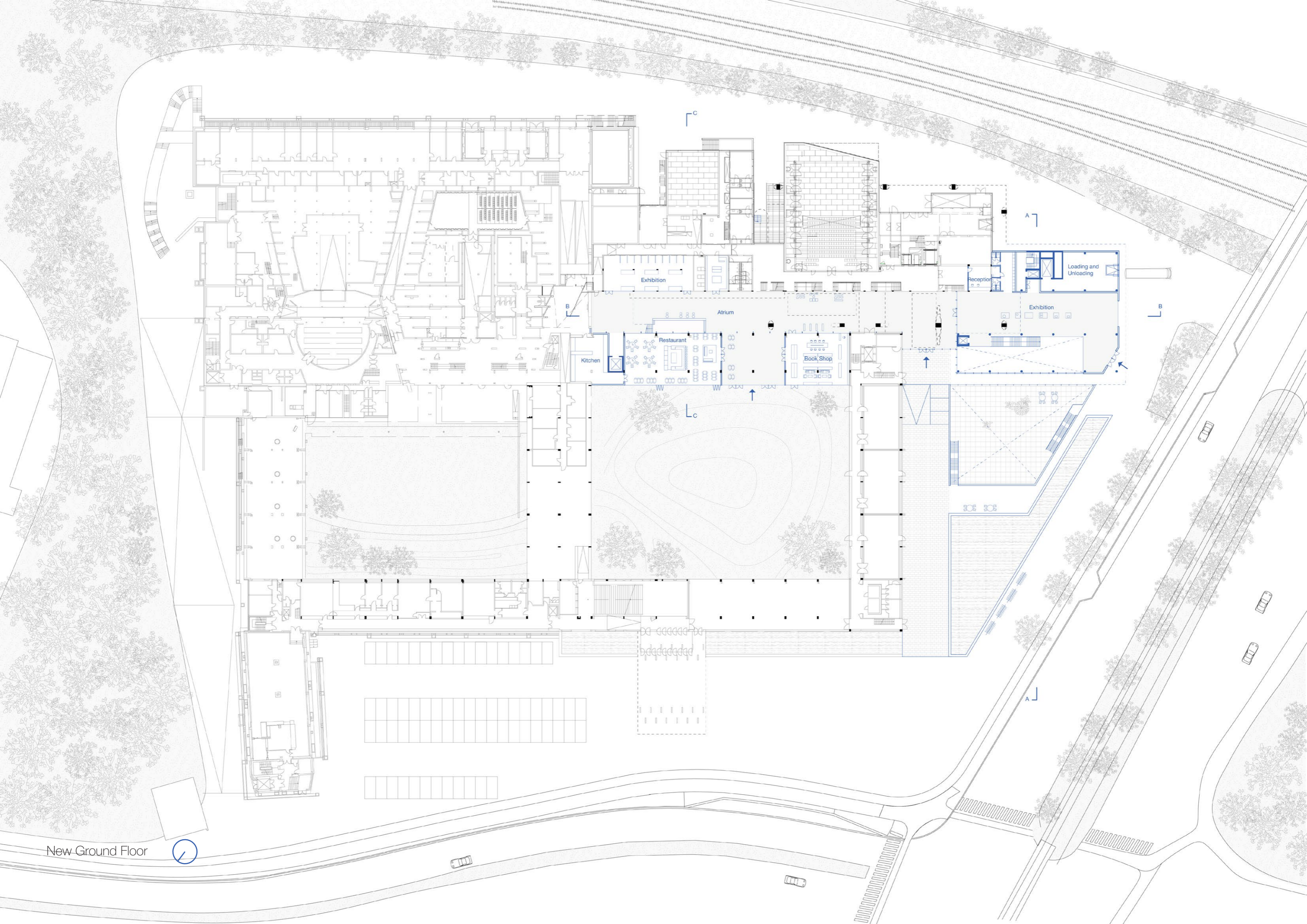
De Resident / Cepezed Architects





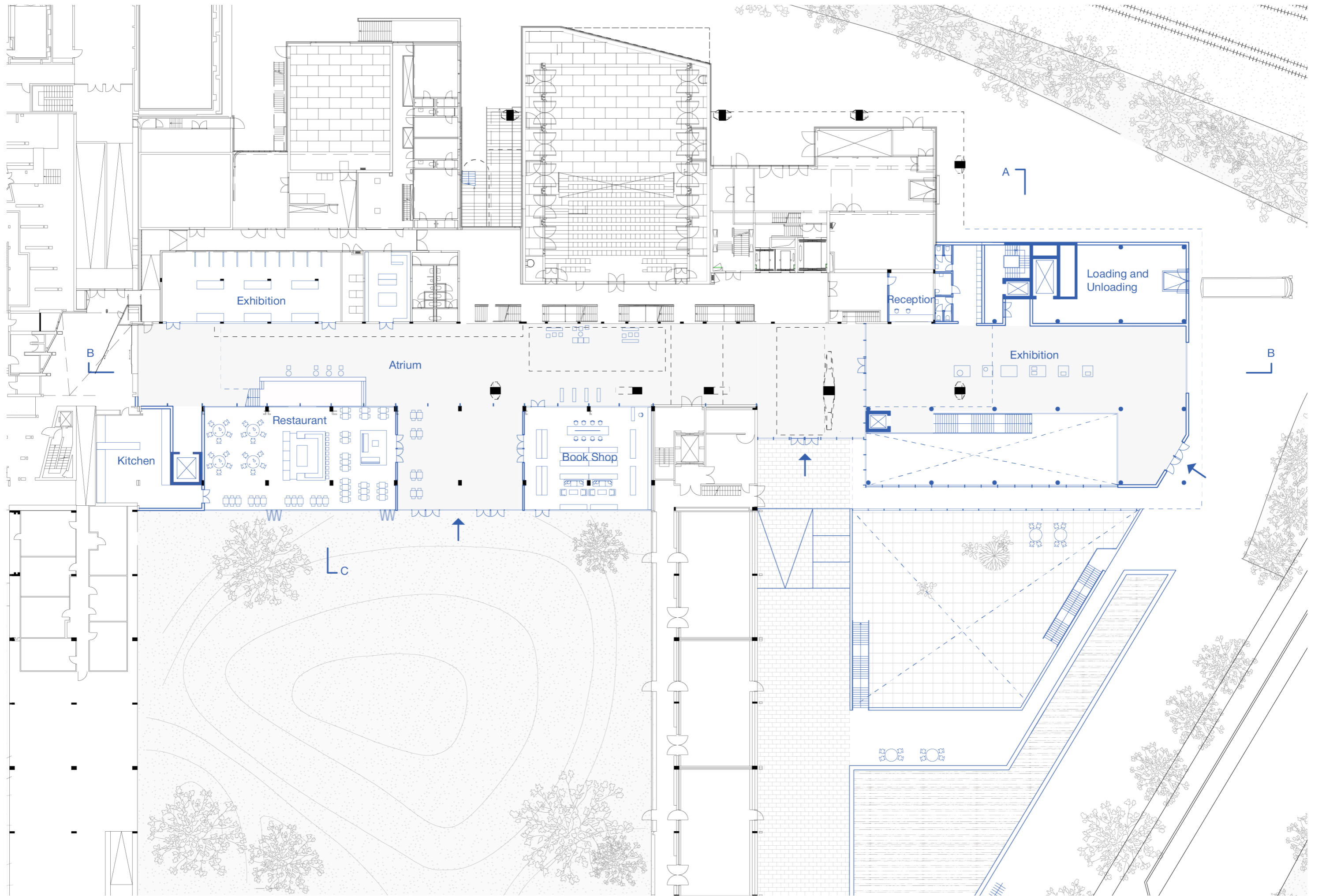
Existing Ground Floor

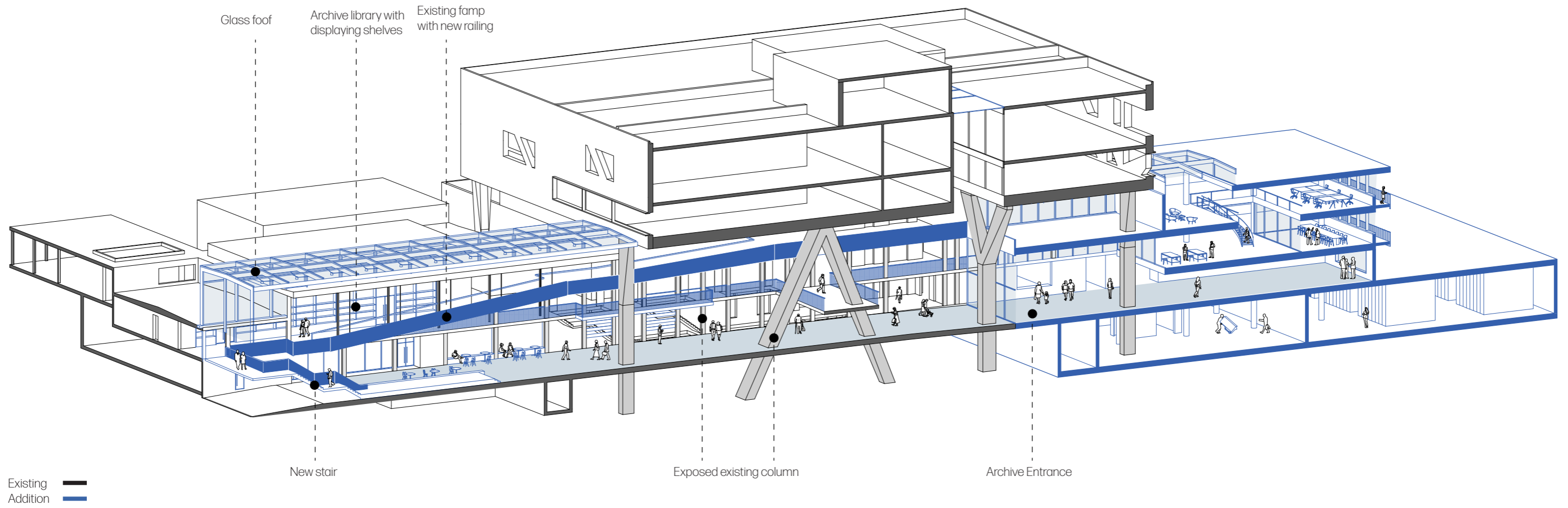




New Ground Floor







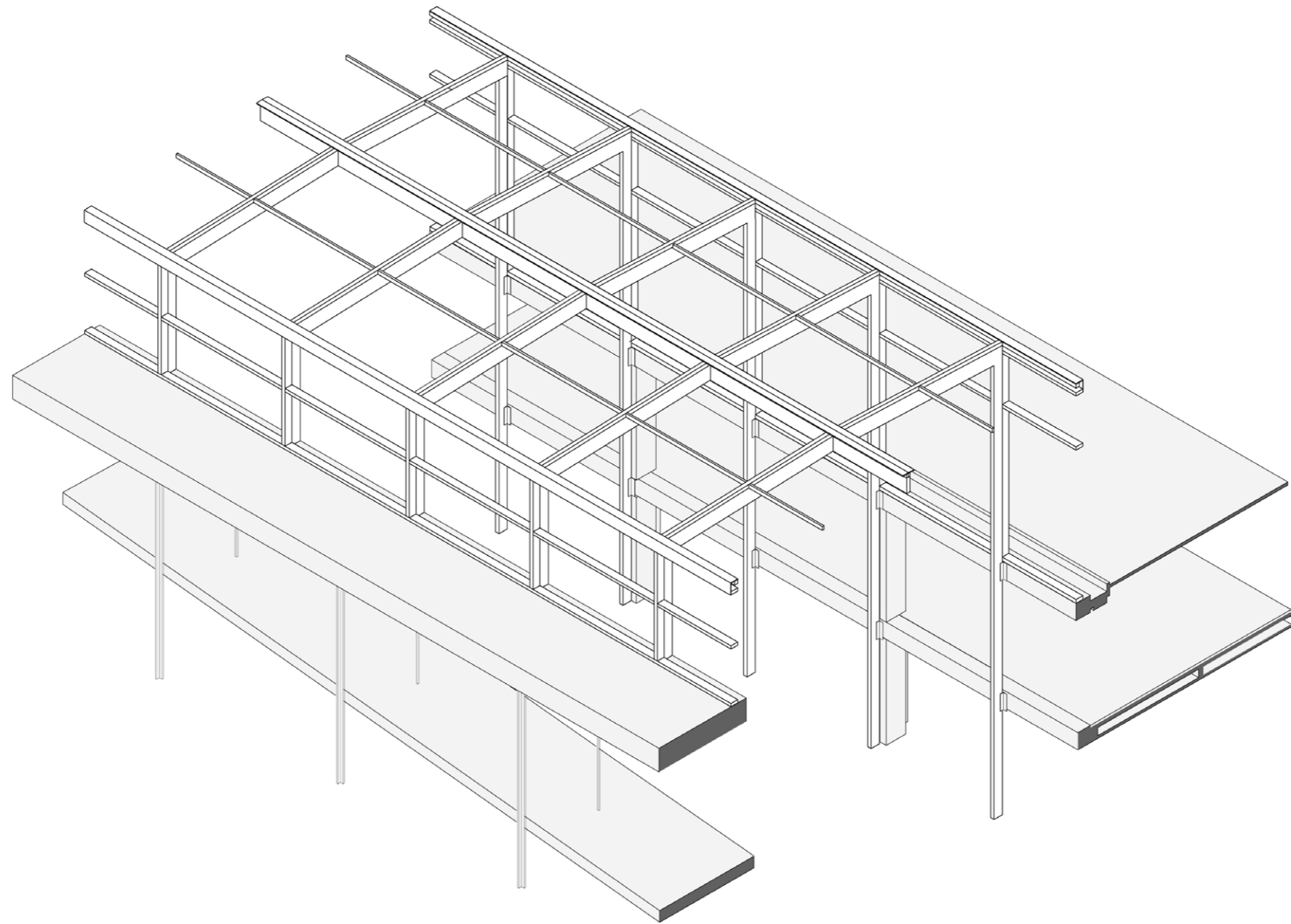






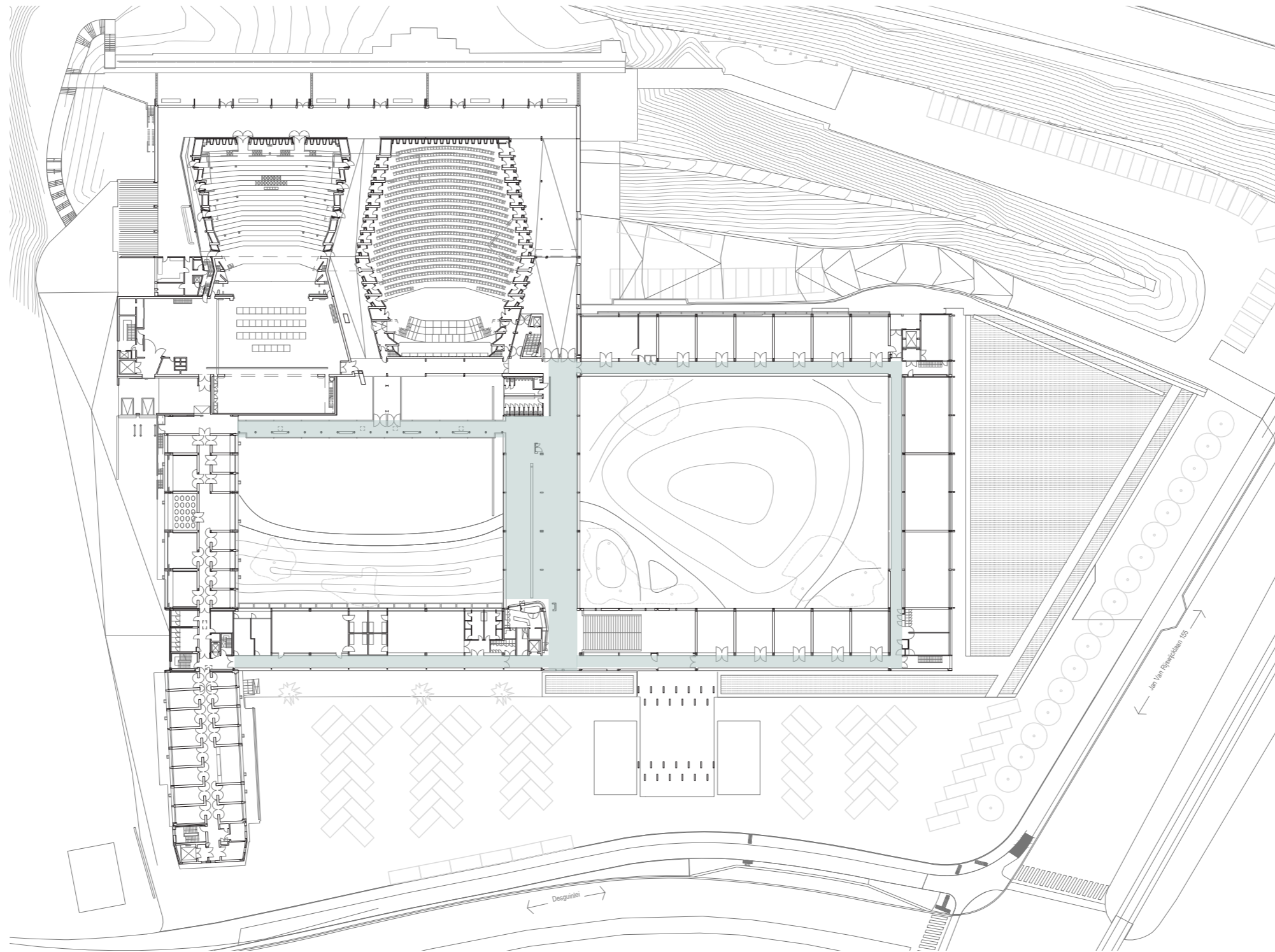




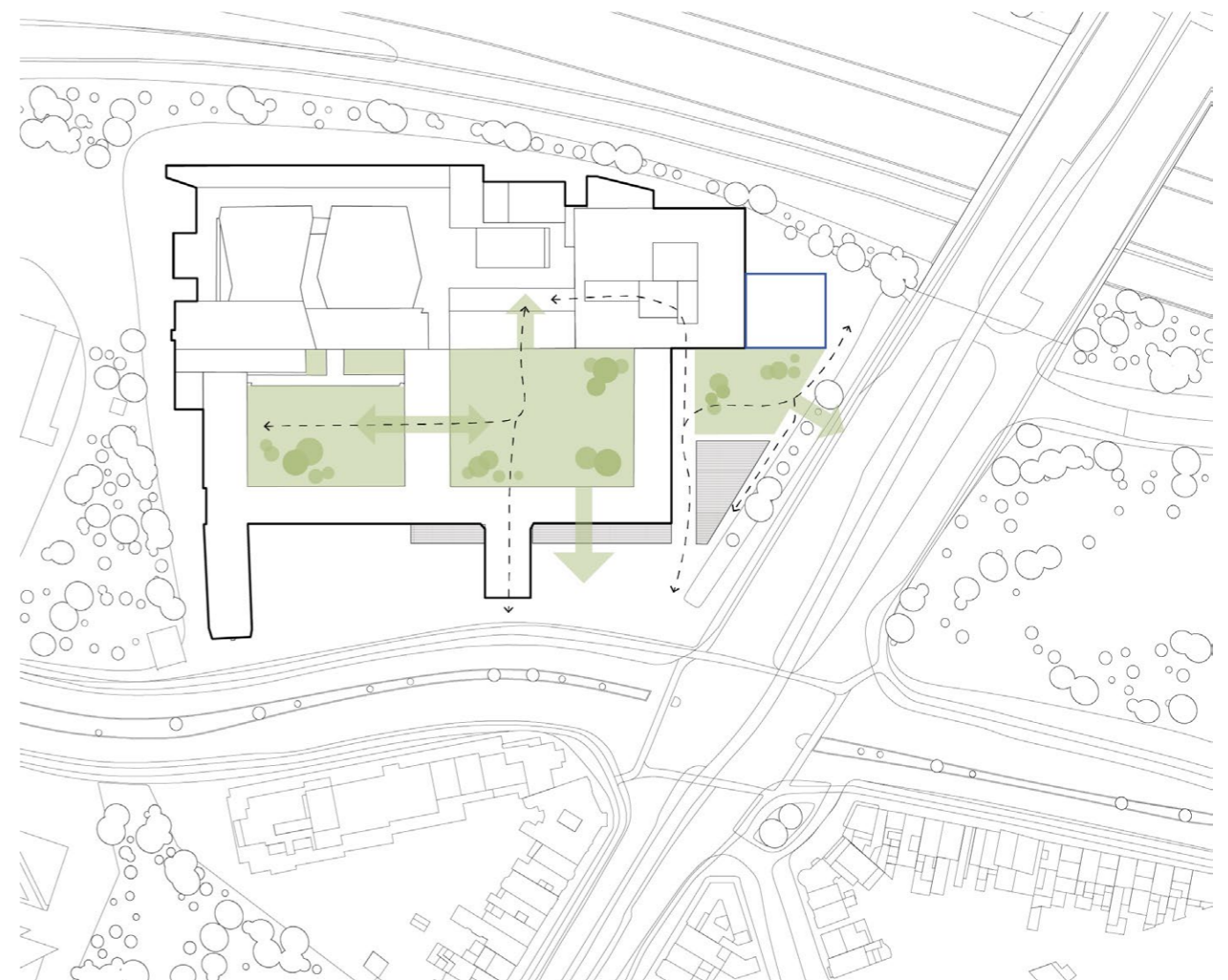
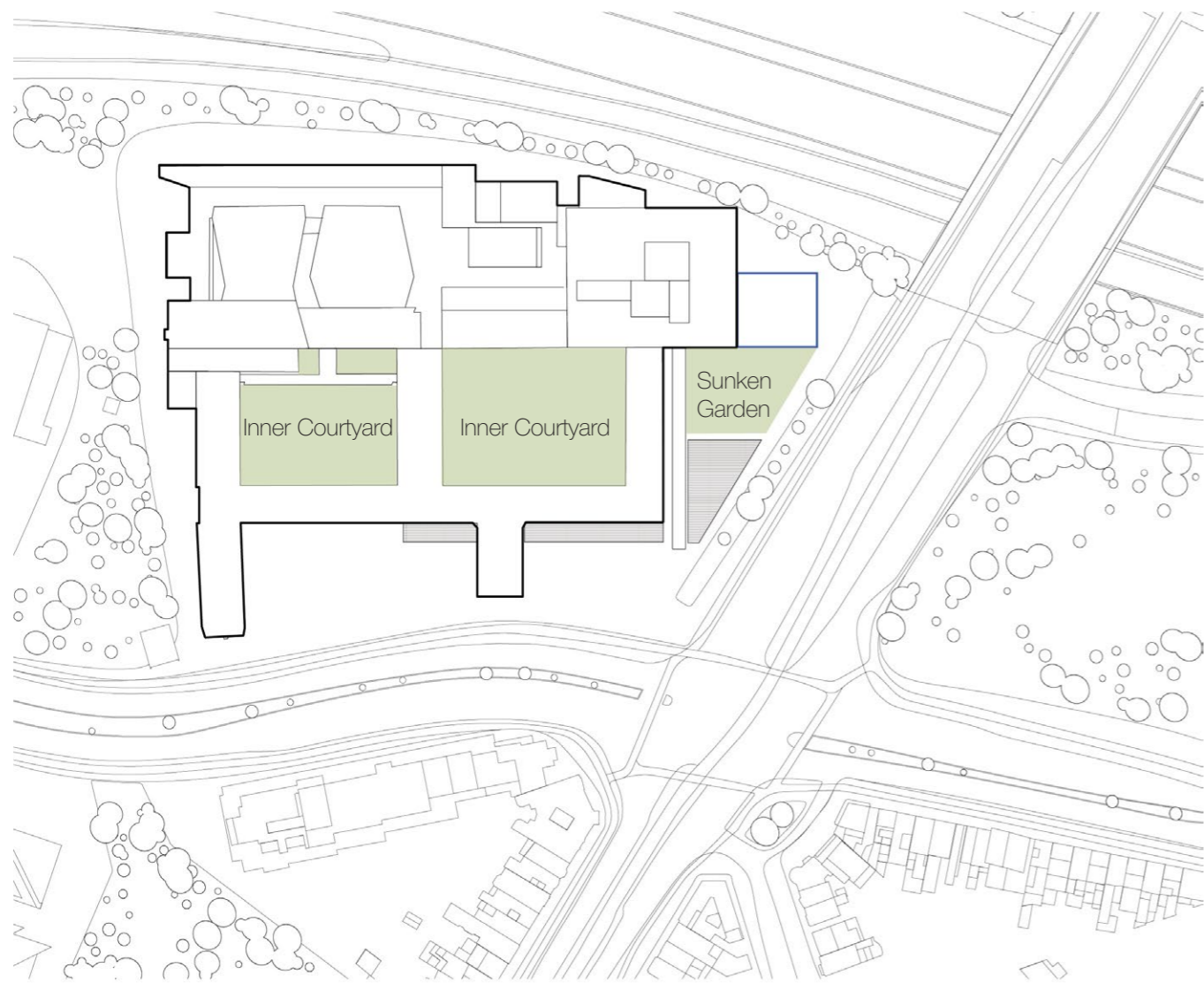


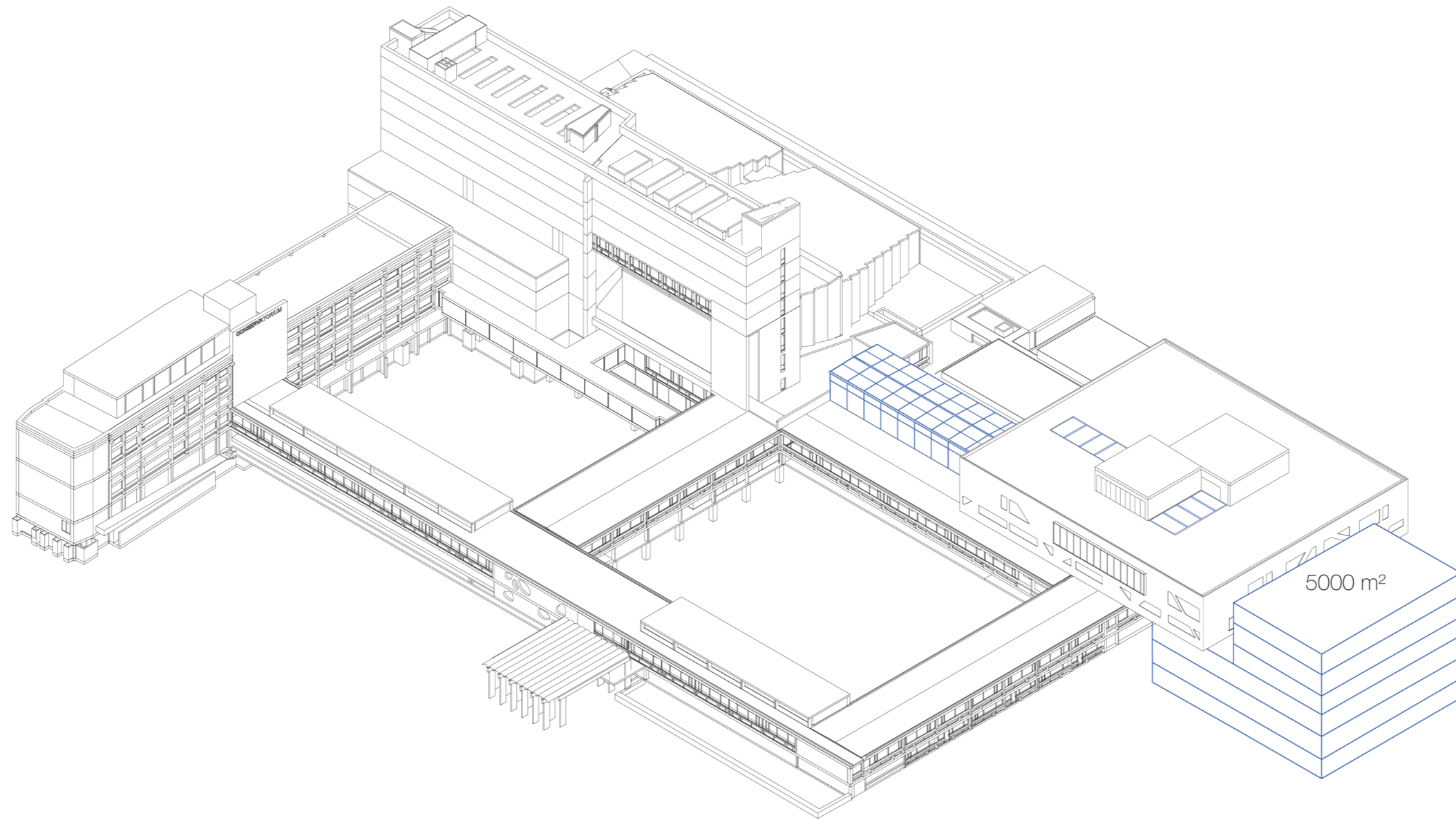
Glass Roof Structure

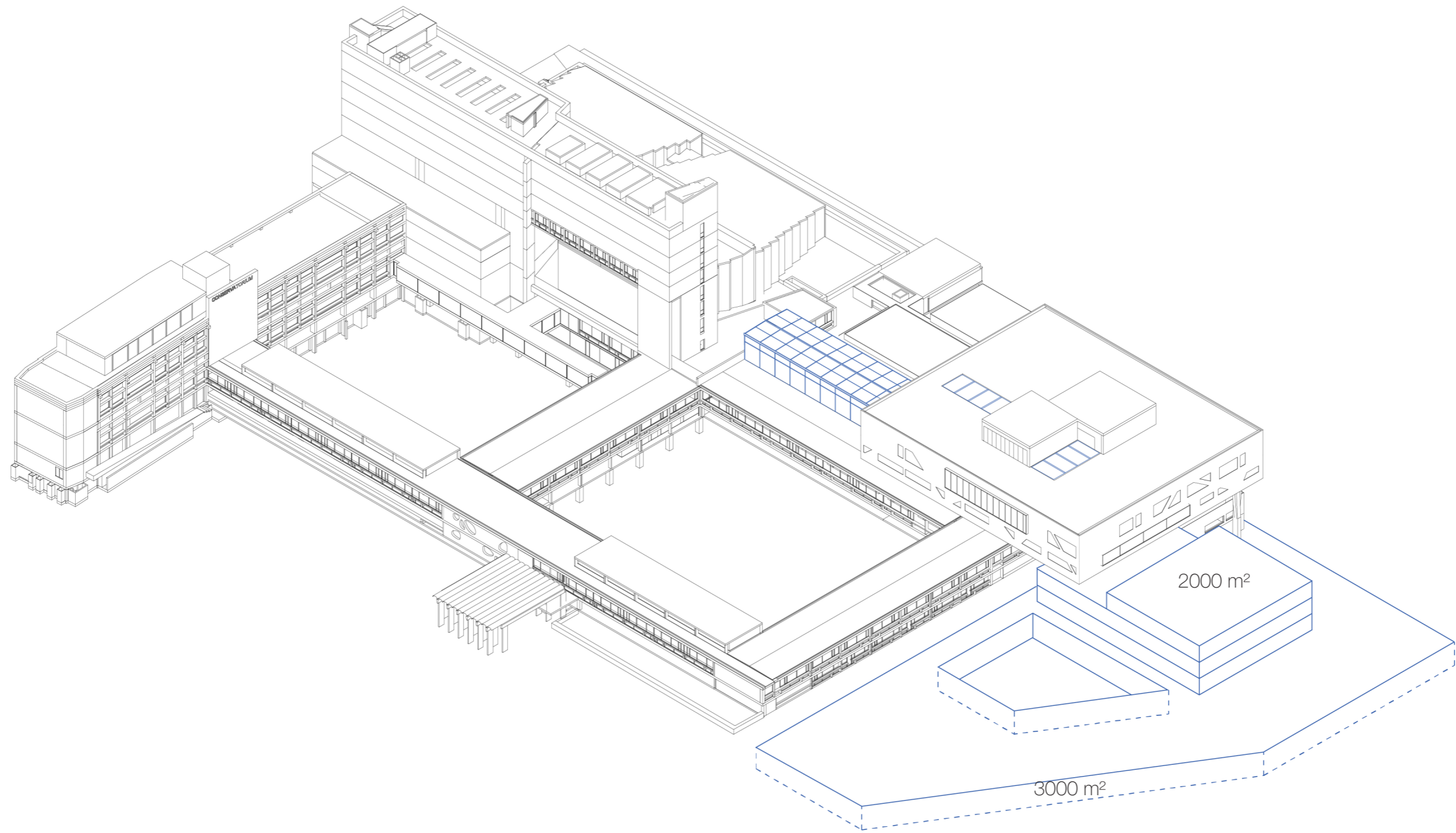
Intervention - An Open Figure

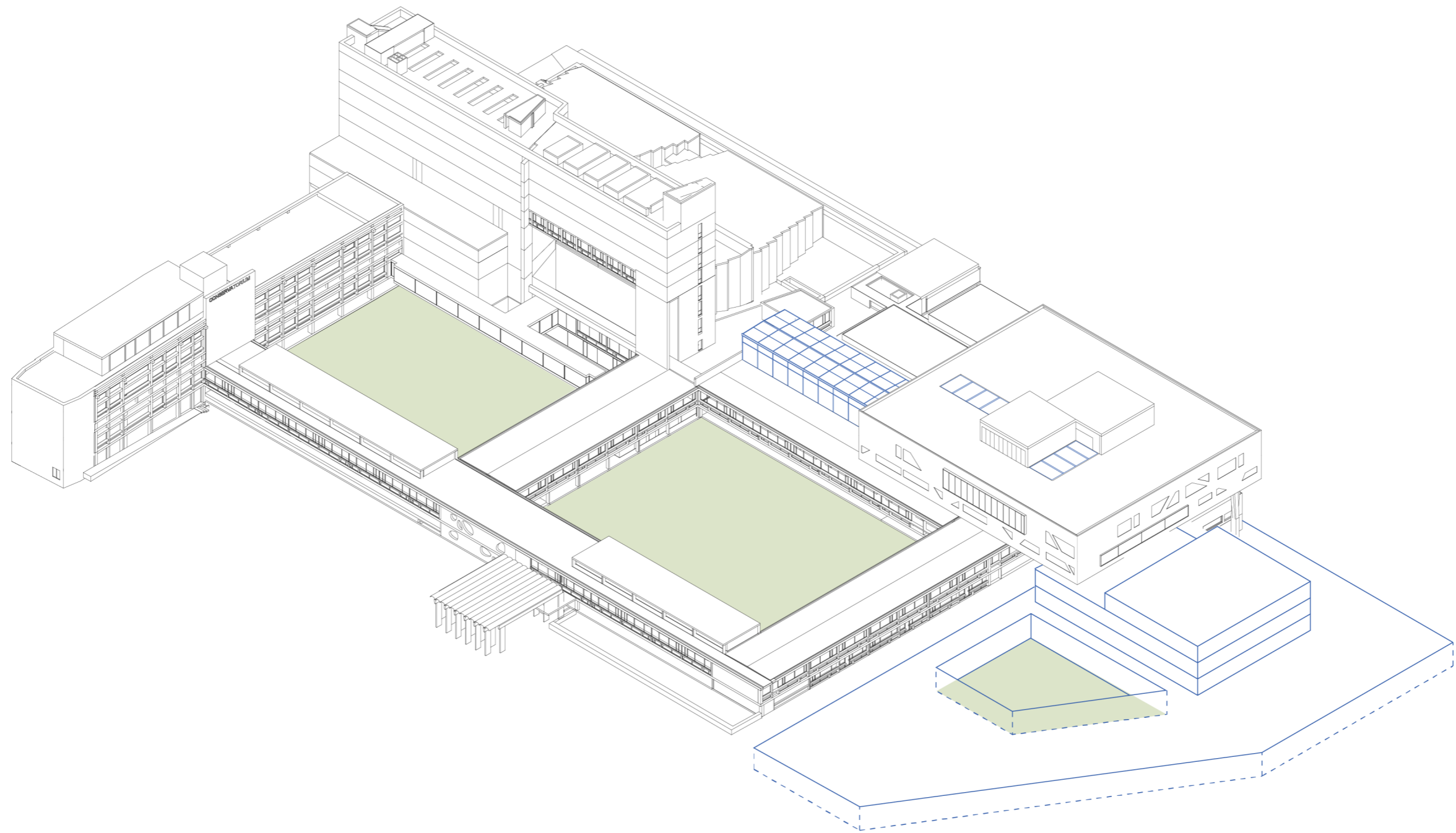




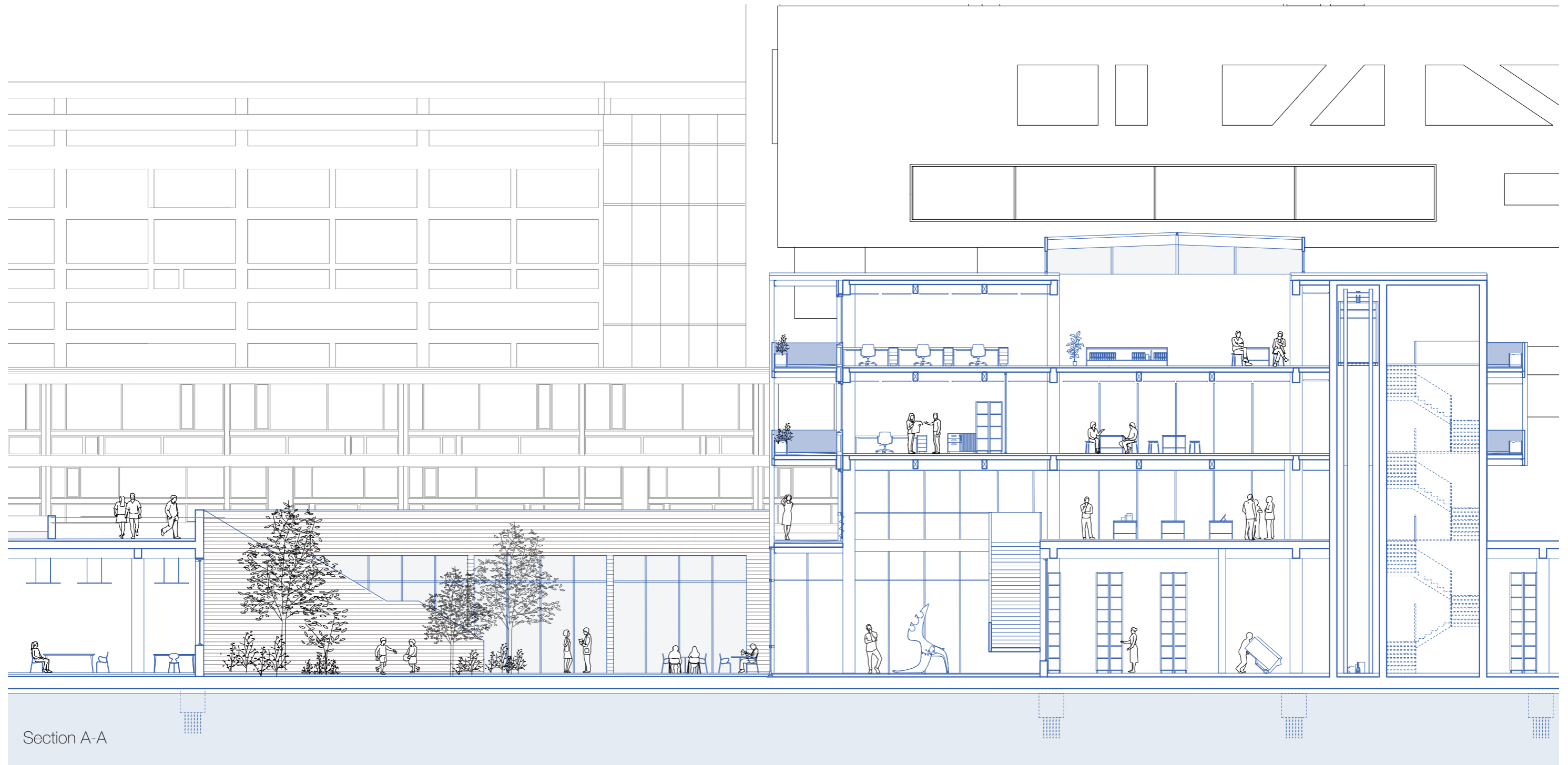








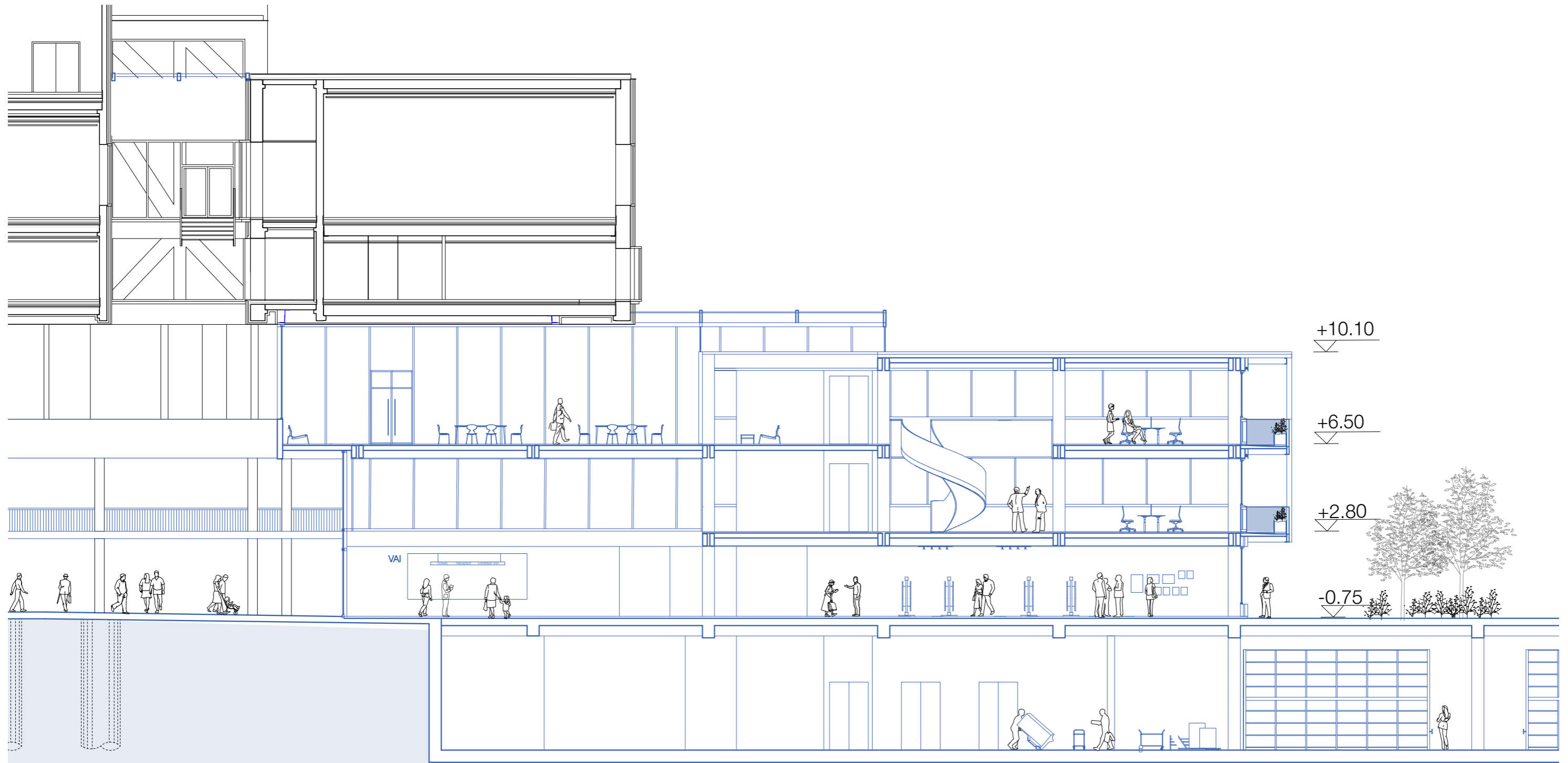




Section A-A

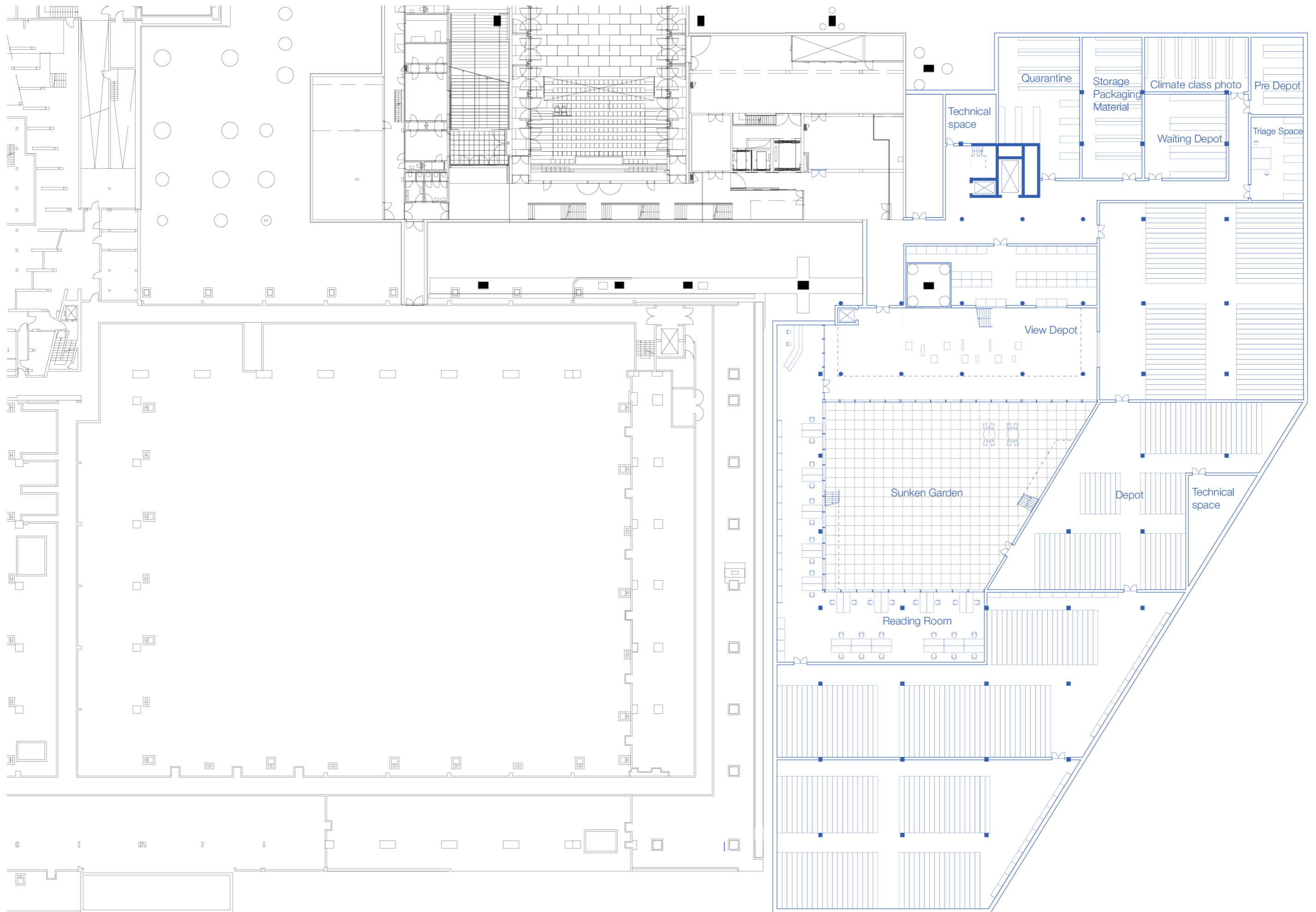






Section B-B



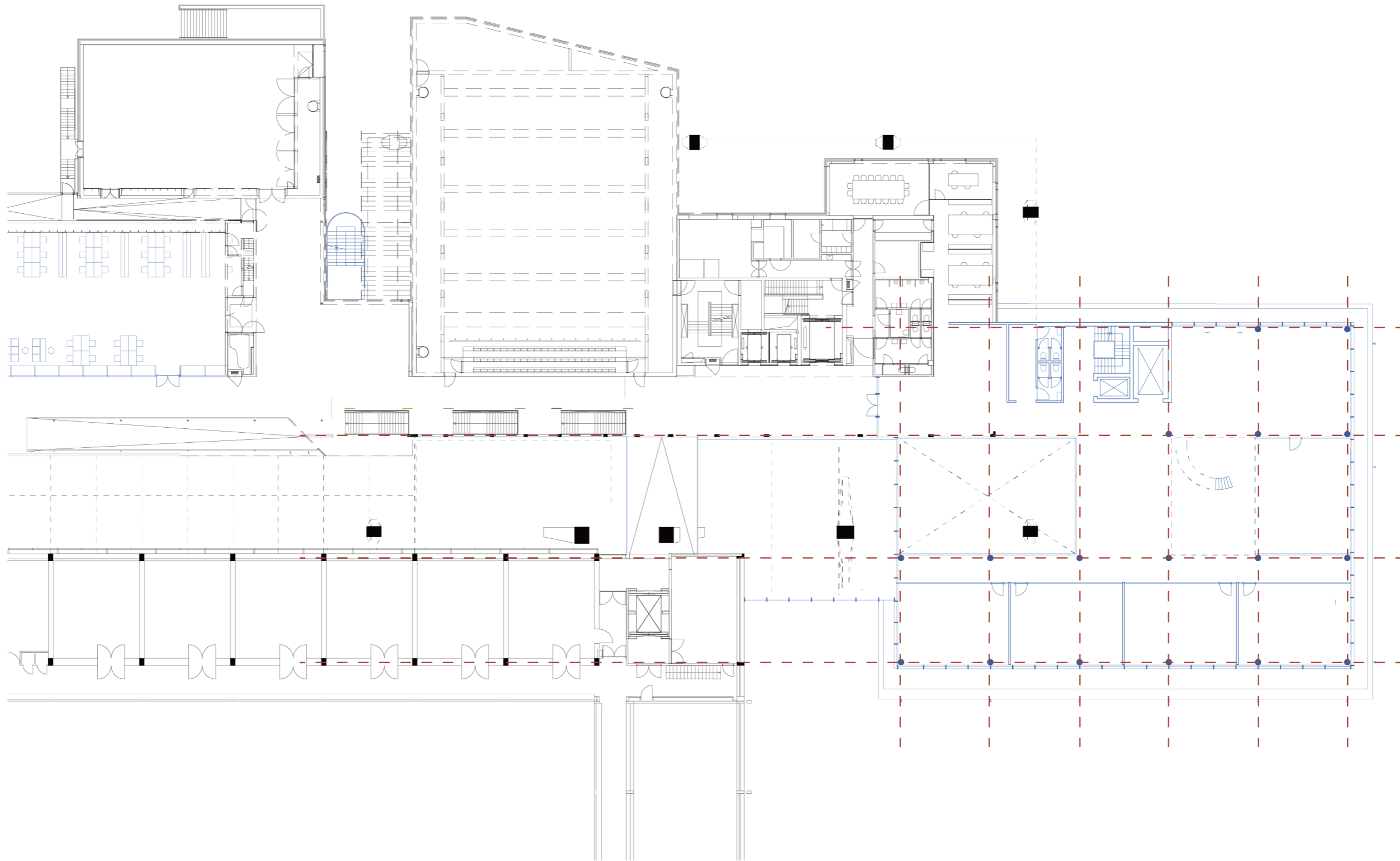


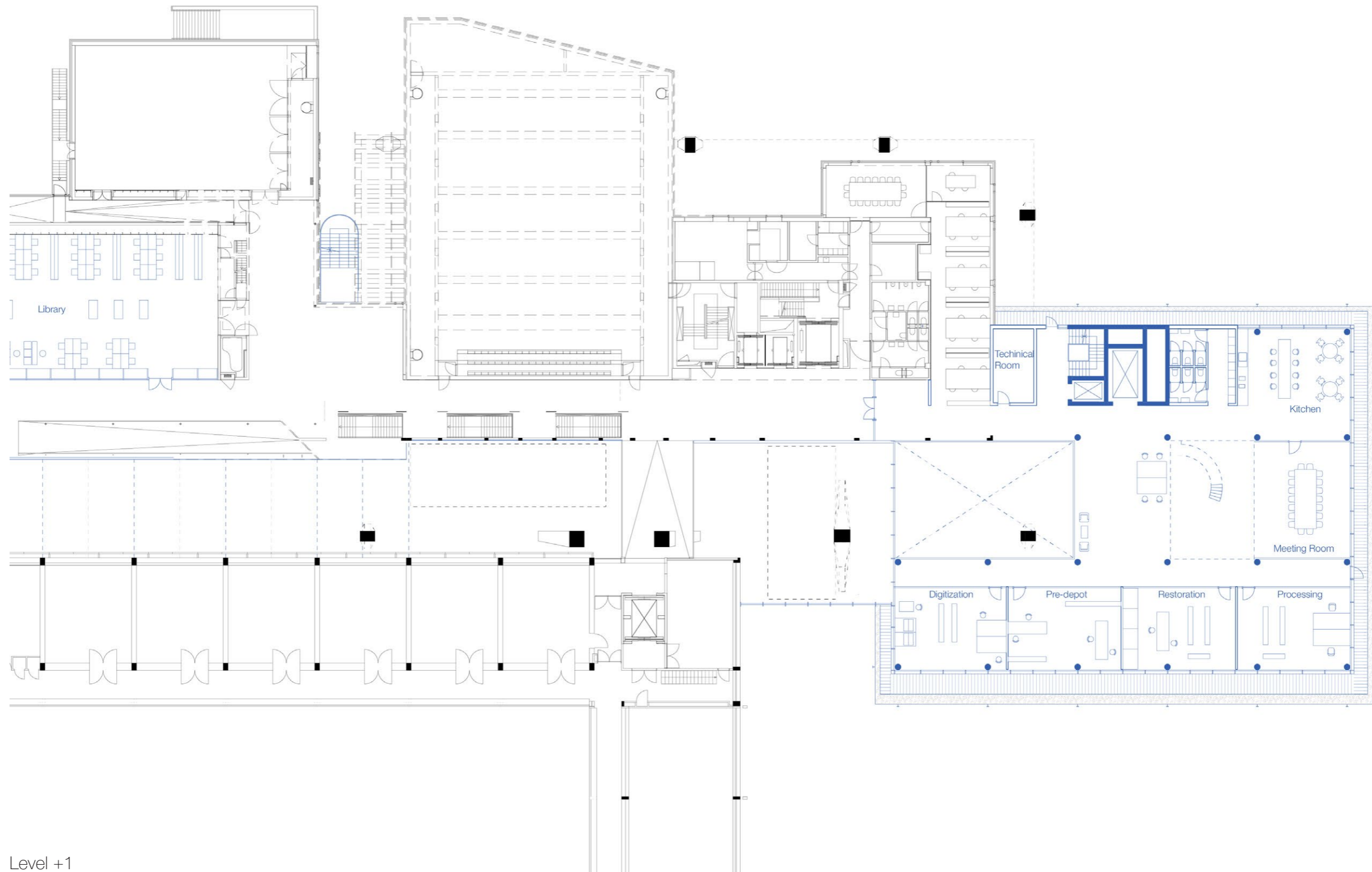
Level -1

Yueyi Liang

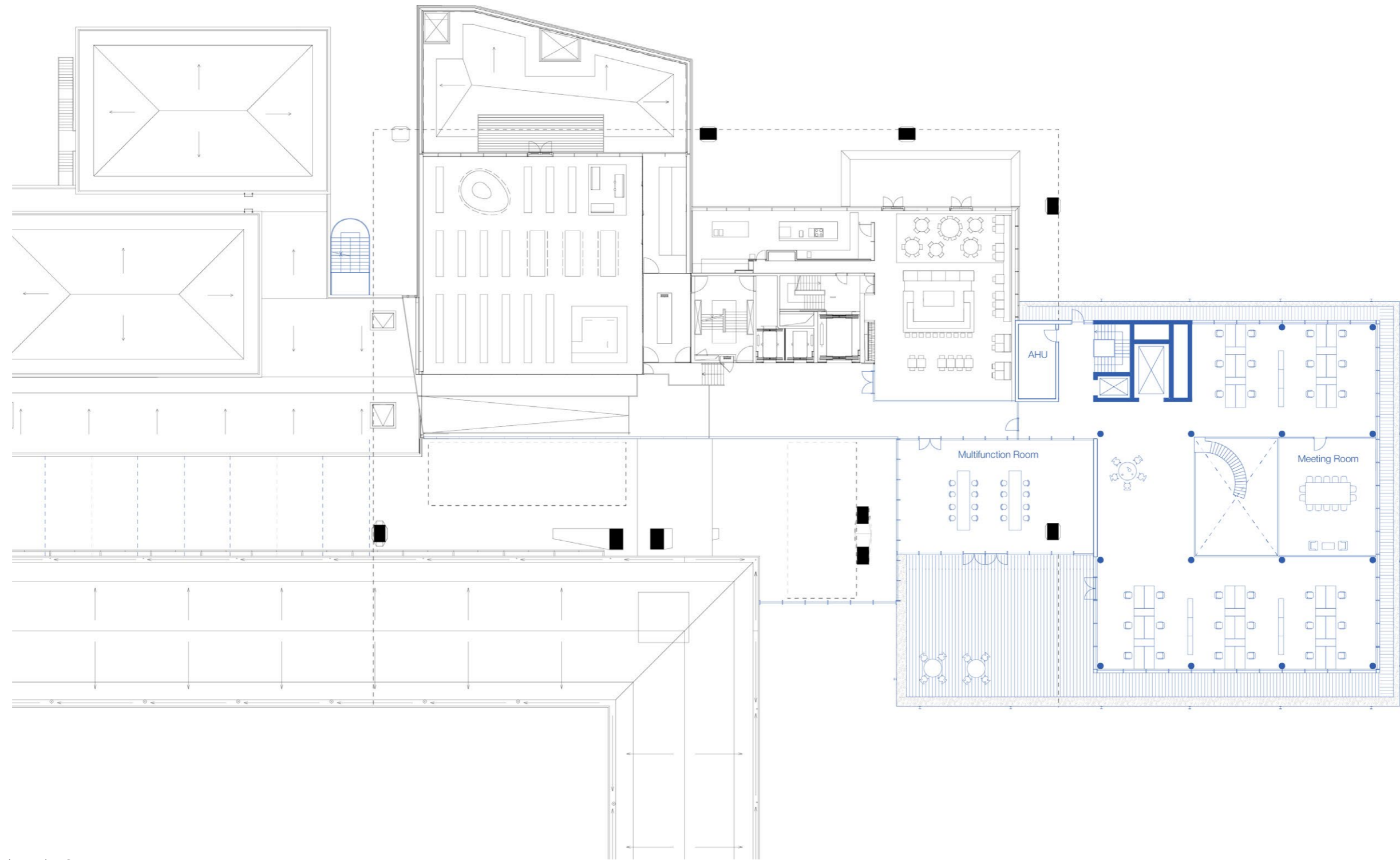
Interiors Buildings Cities P5





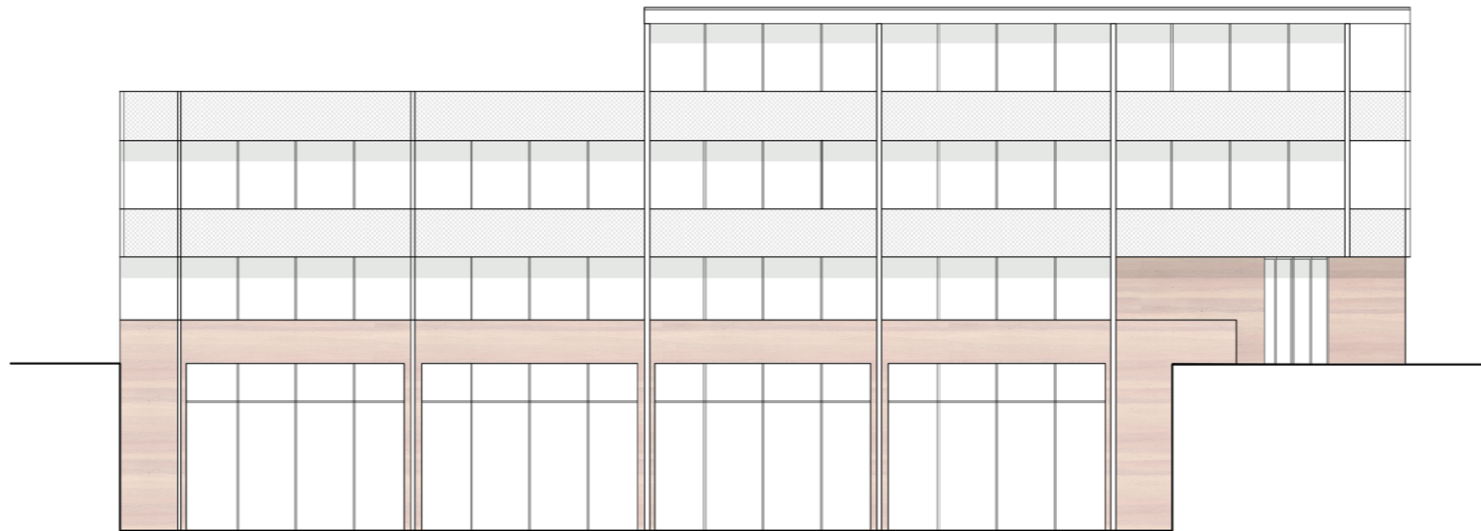
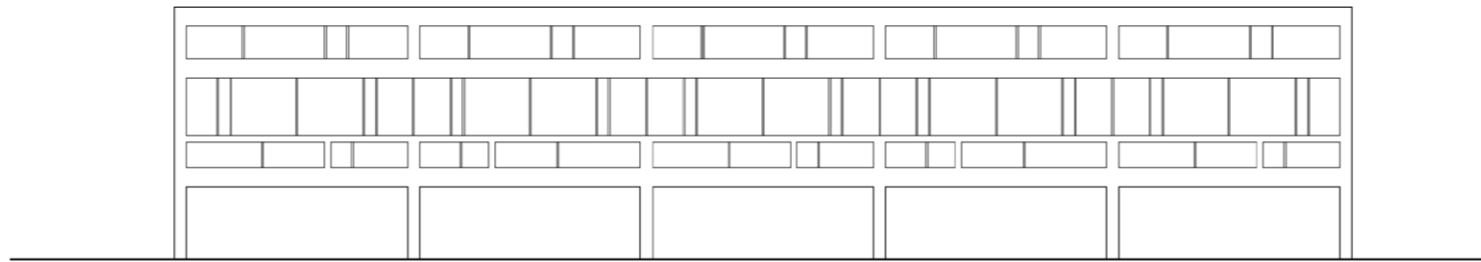
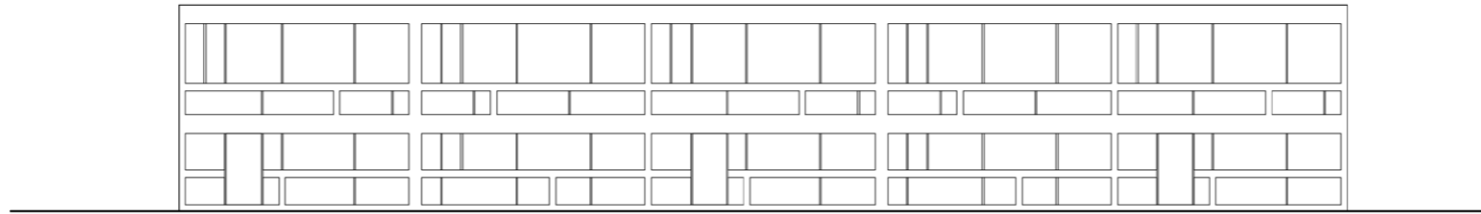


Level +1



Level +2







Roof
 -Corrugated sheet 15 mm
 -Supporting profile(Ventilation gap)
 -Waterproofing layer (Damp open)
 -OSB 10mm
 -Thermal nsulation 100mm
 -Vapour barrier
 -CLT 200mm

Balcony floor
 -Wood decking
 -Pedestal
 -Waterproofing layer
 -Filter and drainage layer
 -CLT 120mm

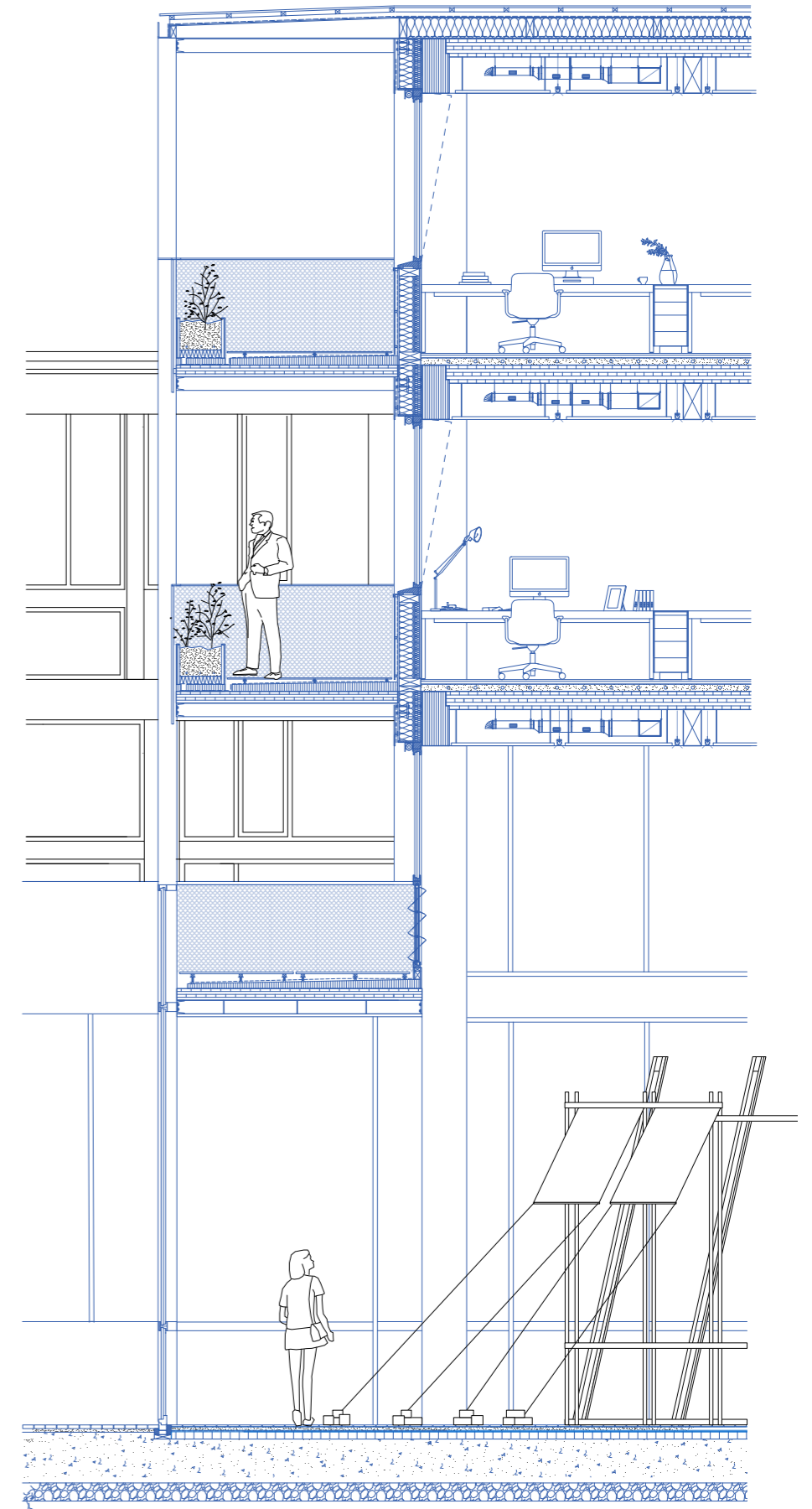
Office floor
 -Epoxy coating
 -Screed 25mm
 -Impact insulation 20mm
 -Washed gravel 80mm
 -CLT floor slab 200mm

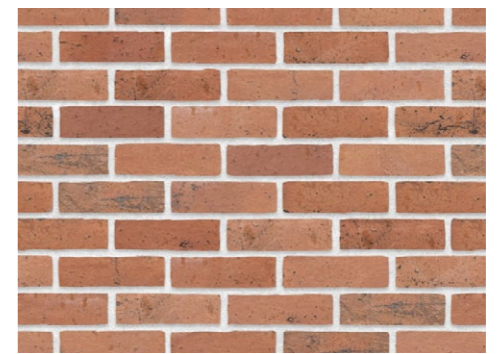
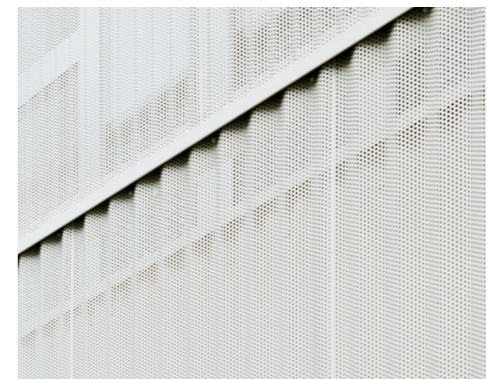
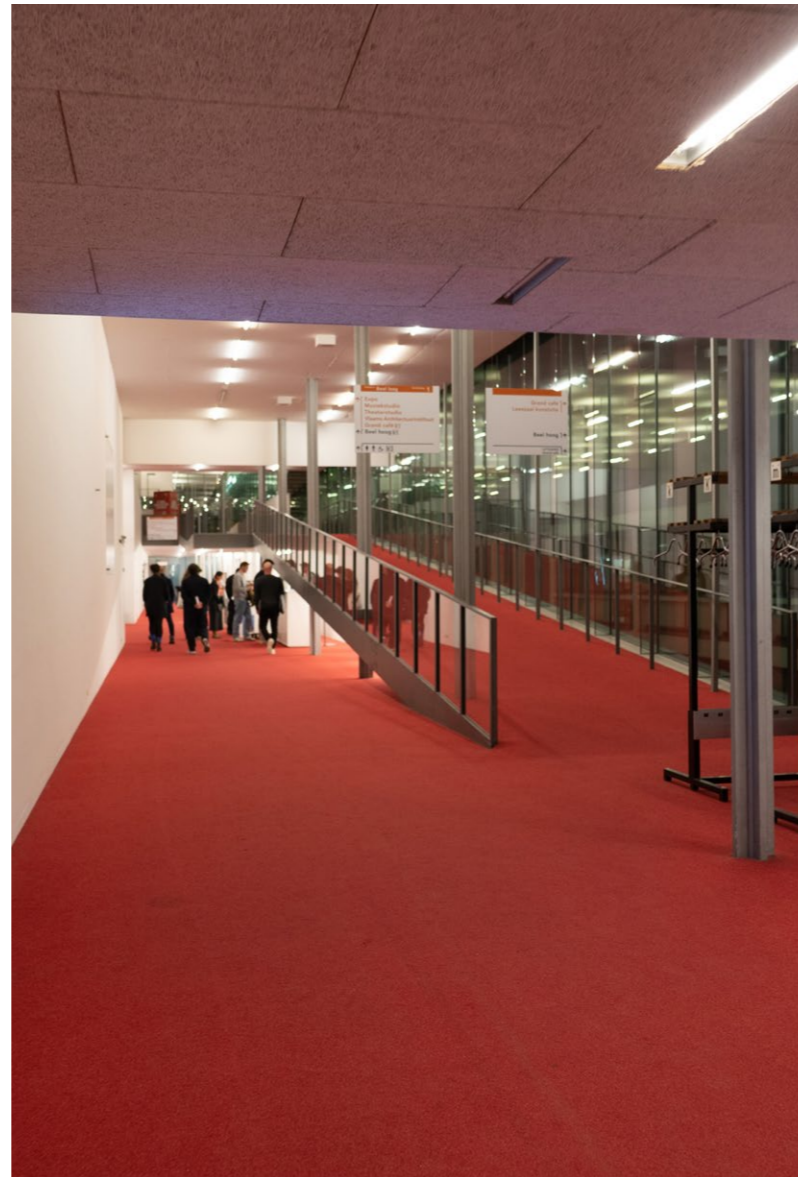
Wall
 -GRC 8mm
 -Vertical ventilation
 -Vapour barrier
 -Waterproofing layer
 -OSB 15mm
 -Thermal Insulation 220mm
 -OSB 15mm
 -Plaster board 10mm

Walkway
 -Natural stone 18mm
 -Raised floor pedestal
 -Waterproofing layer
 -Thermal insulation
 -CLT 120mm

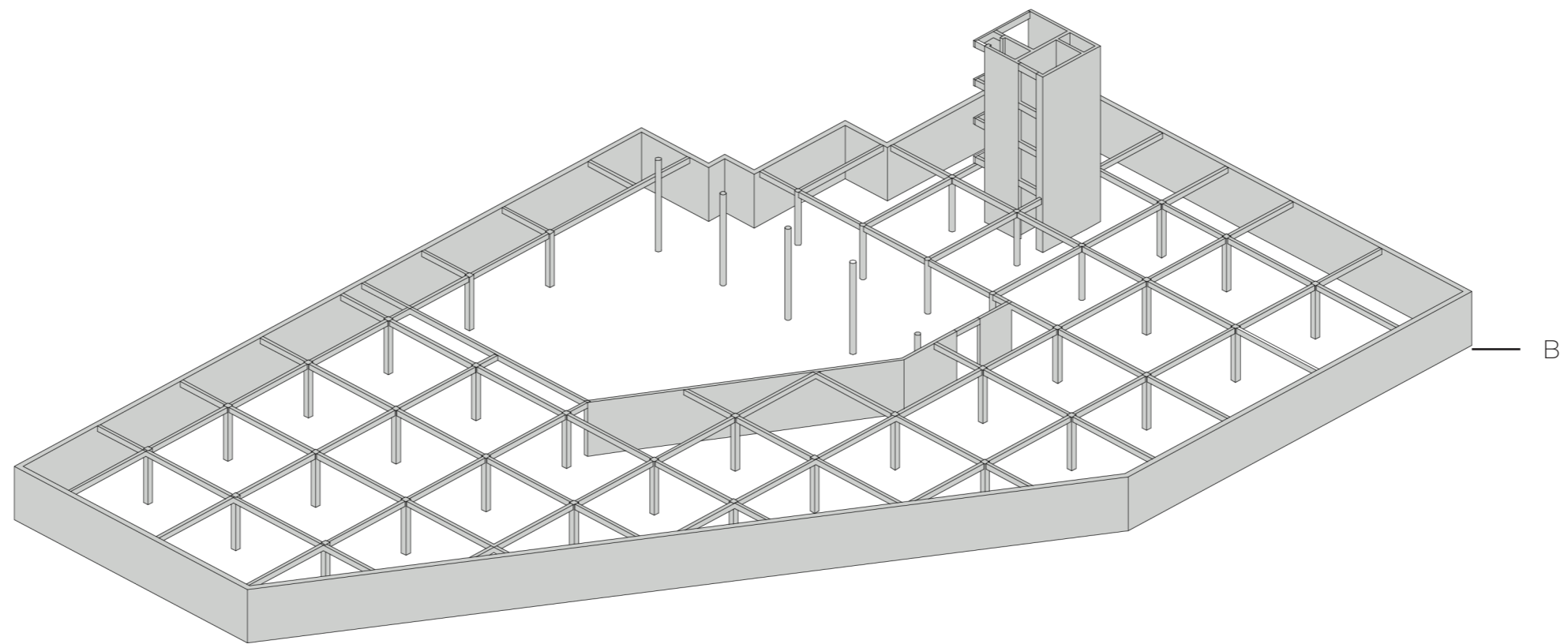
View depot floor
 -Thin brick
 -Mortar bed
 -Waterproofing Layer
 -Thermal insulation 80mm
 -Vapour Barrier
 -Reinforced concrete slab
 -Gravel bed

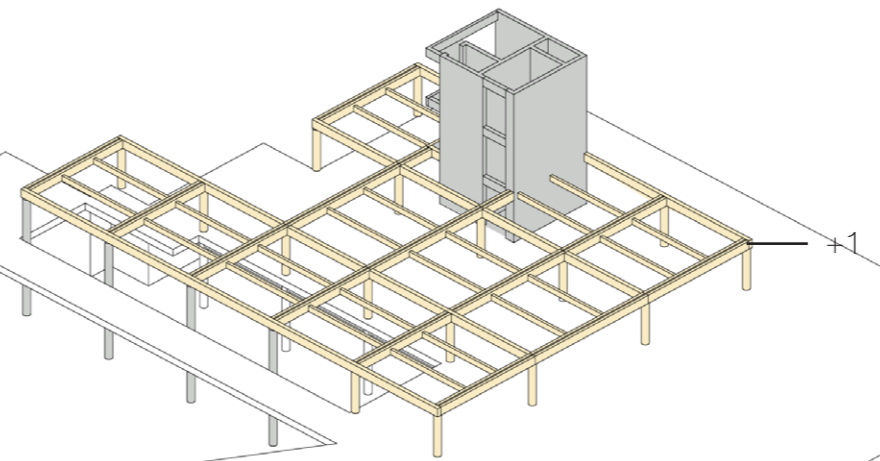
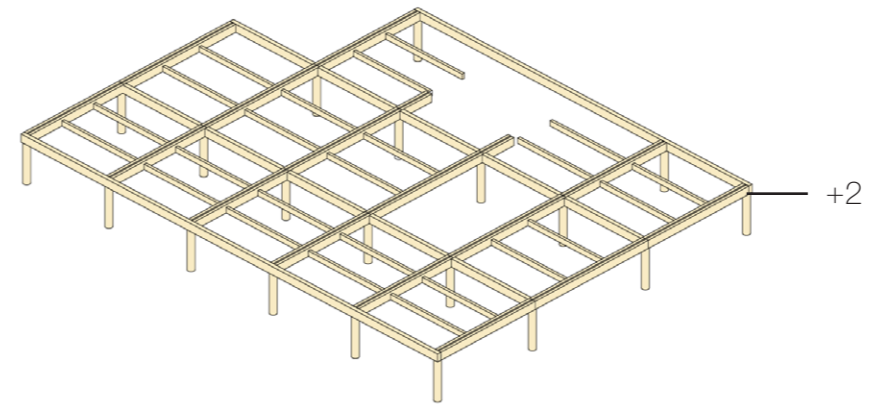
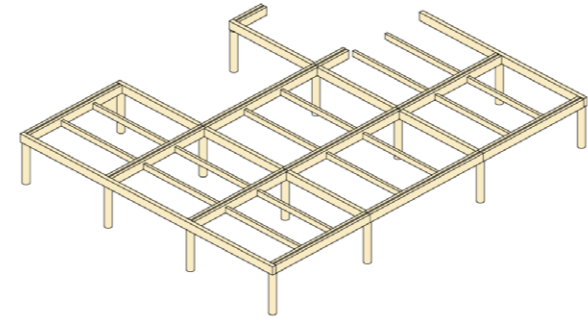
Sunken garden floor
 -Permeable brick, loose-fill joints
 -Mortar
 -Reinforced concrete slab
 -Gravel bed





Concrete Structure



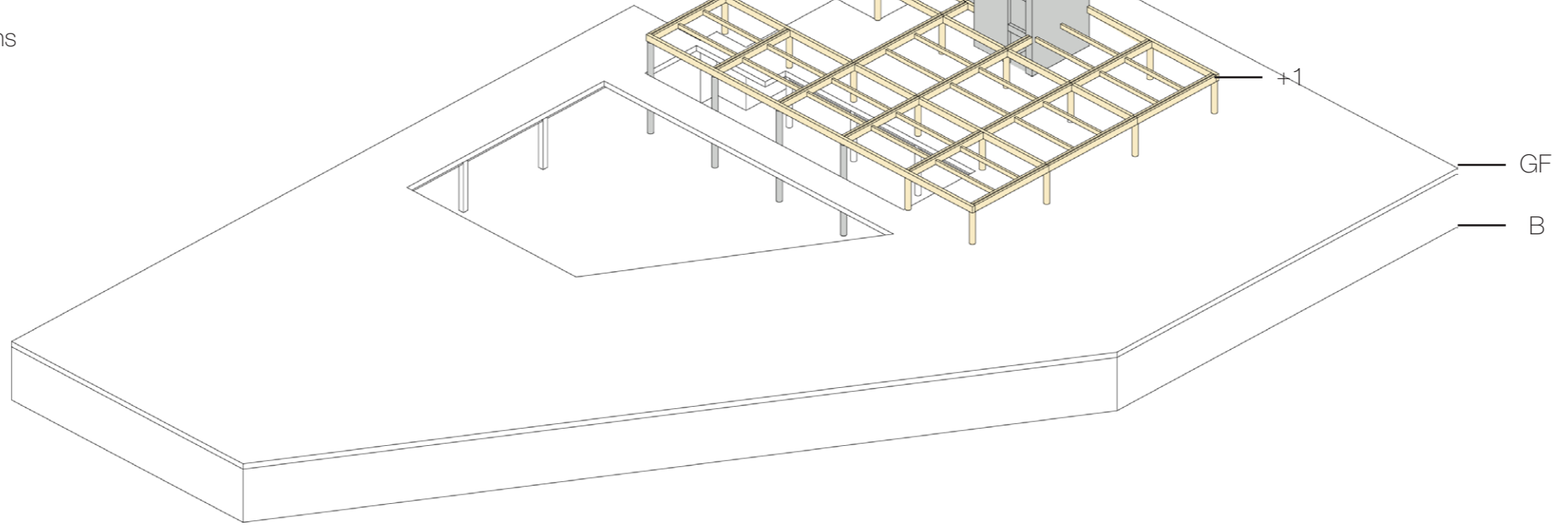


Timber Beams and Columns

Concrete Structure

GF

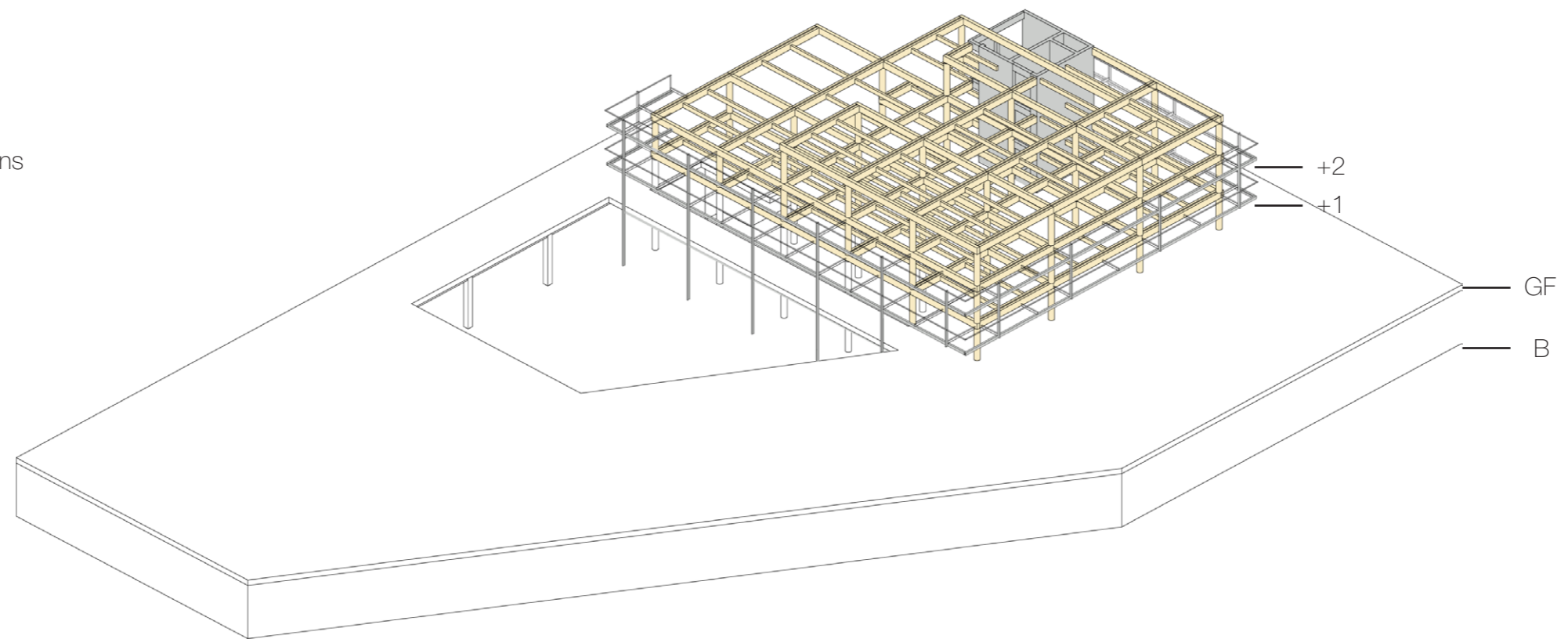
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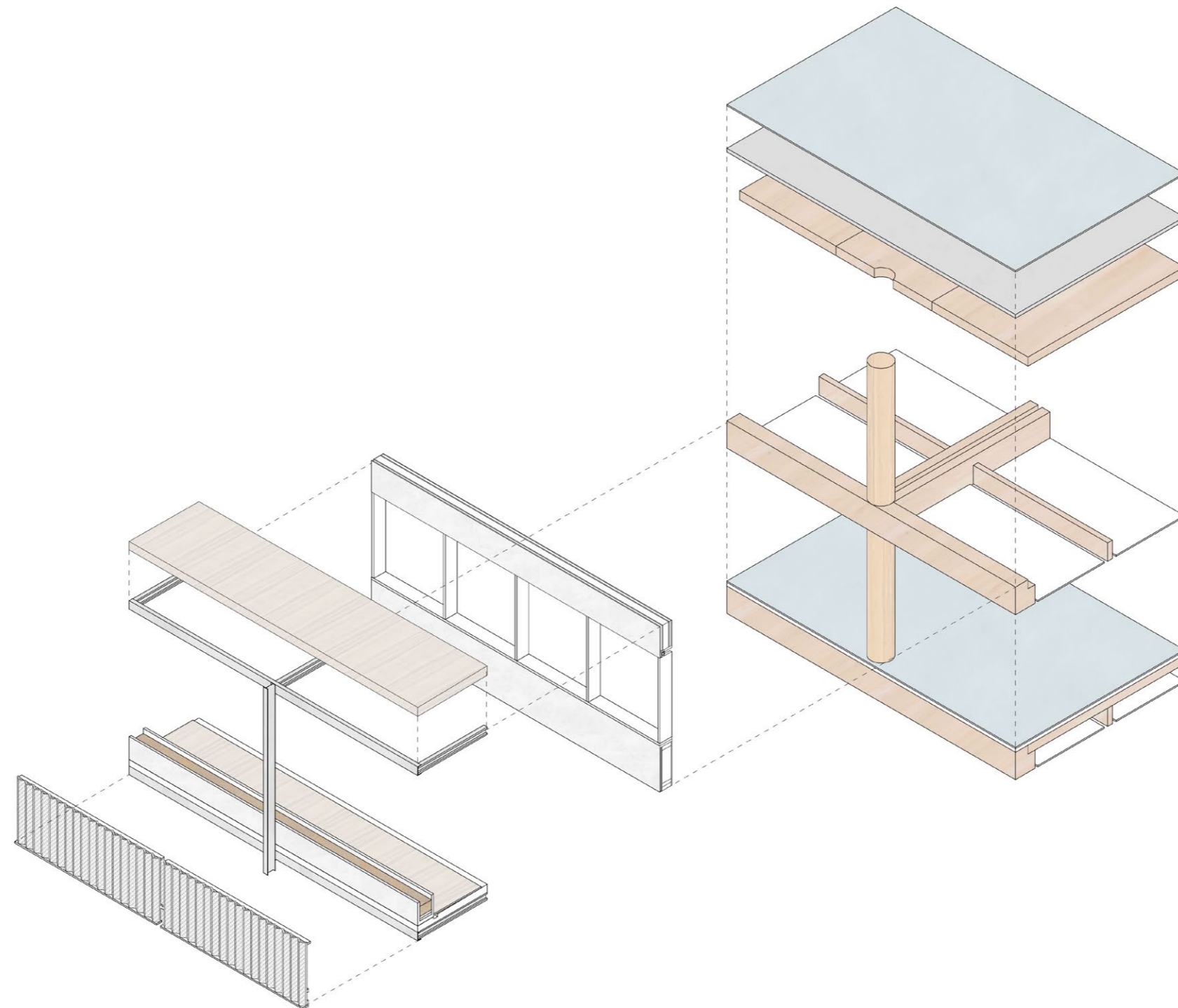


Steel Structure

Timber Beams And Columns

Concrete Structure





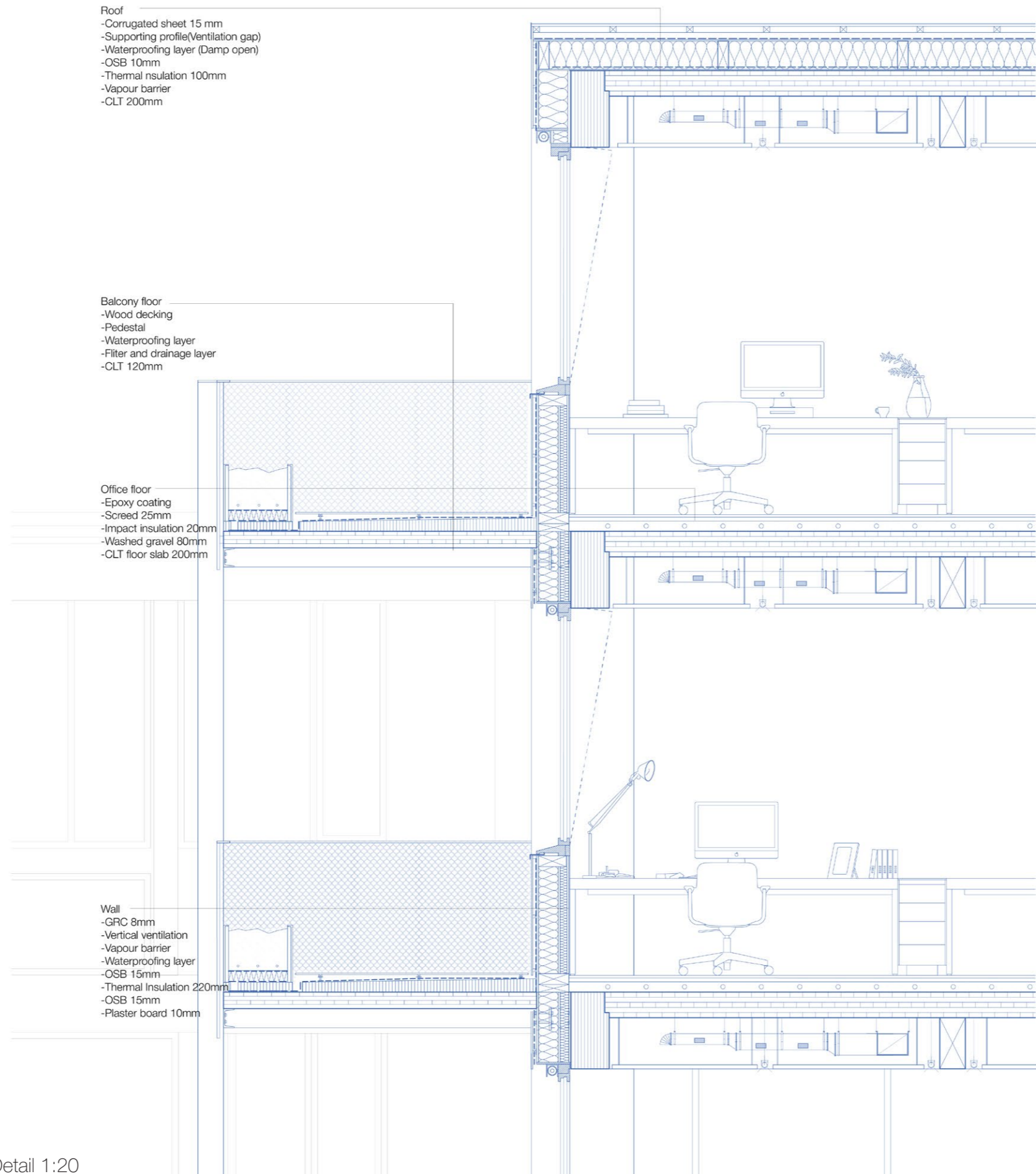
- Roof
- Corrugated sheet 15 mm
- Supporting profile(Ventilation gap)
- Waterproofing layer (Damp open)
- OSB 10mm
- Thermal nsulation 100mm
- Vapour barrier
- CLT 200mm

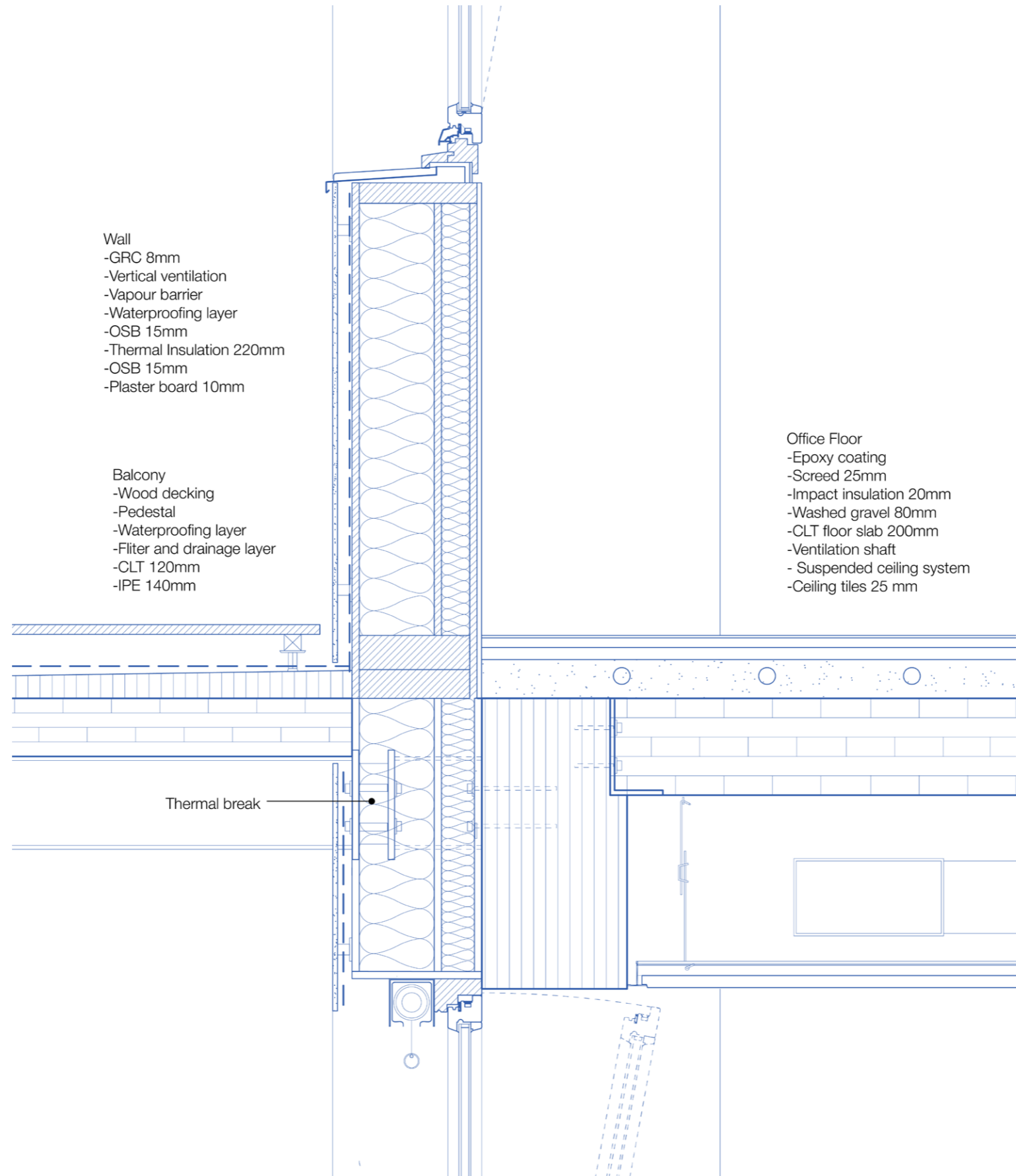
- Balcony floor
- Wood decking
- Pedestal
- Waterproofing layer
- Filter and drainage layer
- CLT 120mm

- Office floor
- Epoxy coating
- Screed 25mm
- Impact insulation 20mm
- Washed gravel 80mm
- CLT floor slab 200mm

- Wall
- GRC 8mm
- Vertical ventilation
- Vapour barrier
- Waterproofing layer
- OSB 15mm
- Thermal Insulation 220mm
- OSB 15mm
- Plaster board 10mm

Detail 1:20



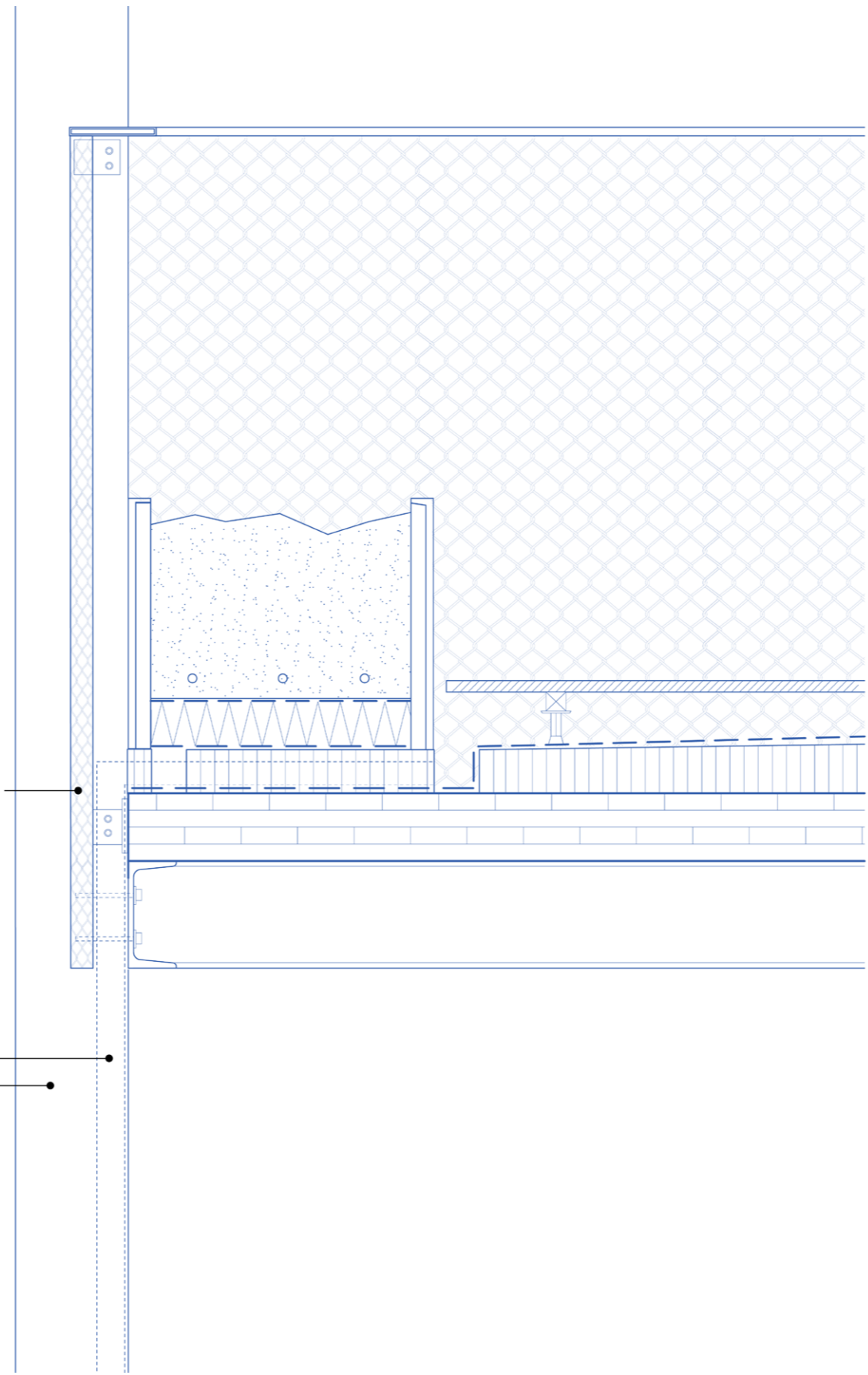


Detail 1: 5

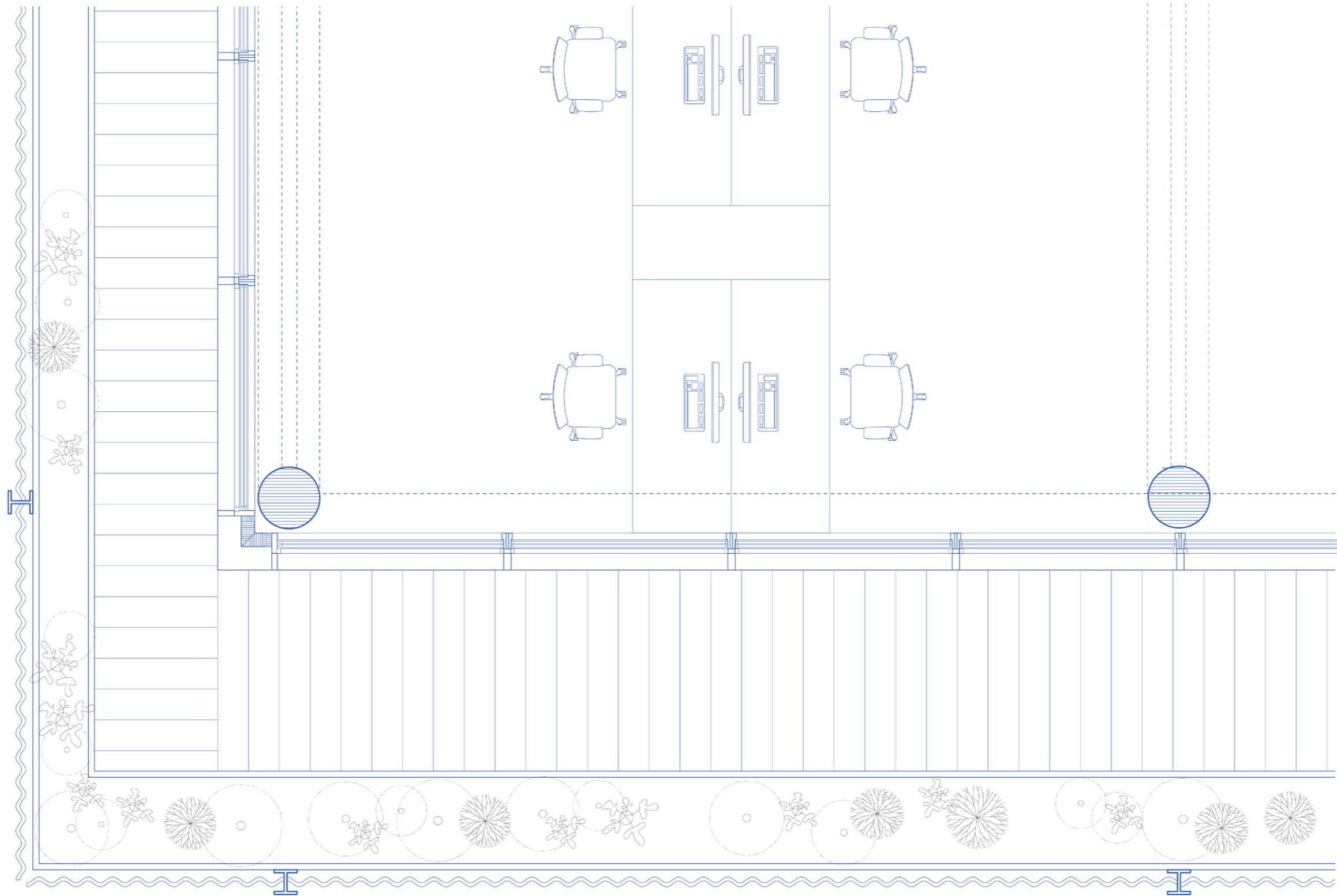
- Planter
- Planting soil
- Filter fabric
- Drainage deck
- Waterproofing layer
- Thermal insulation
- Damp proof layer
- CLT 120mm

Perforated metal sheet

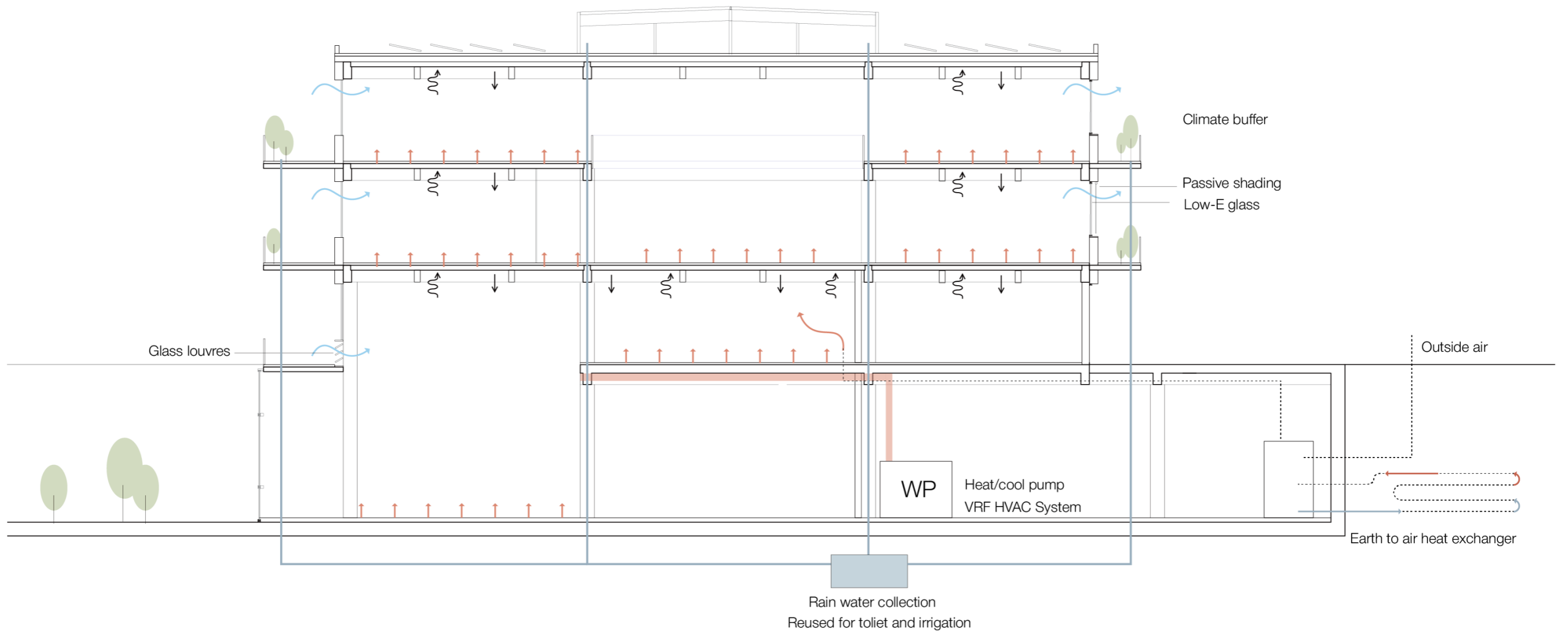
Drainage pipe
IPE 160







Detail 1: 5



Detail 1:20



-  Natural ventilation
-  Air Supply
-  Air Return
-  Underfloor Heating



