

Binnen en Buiten | Innen und Außen

A continuation of the original design by the architects P. Dijkema and A. Croonen

00 Site

01 Research

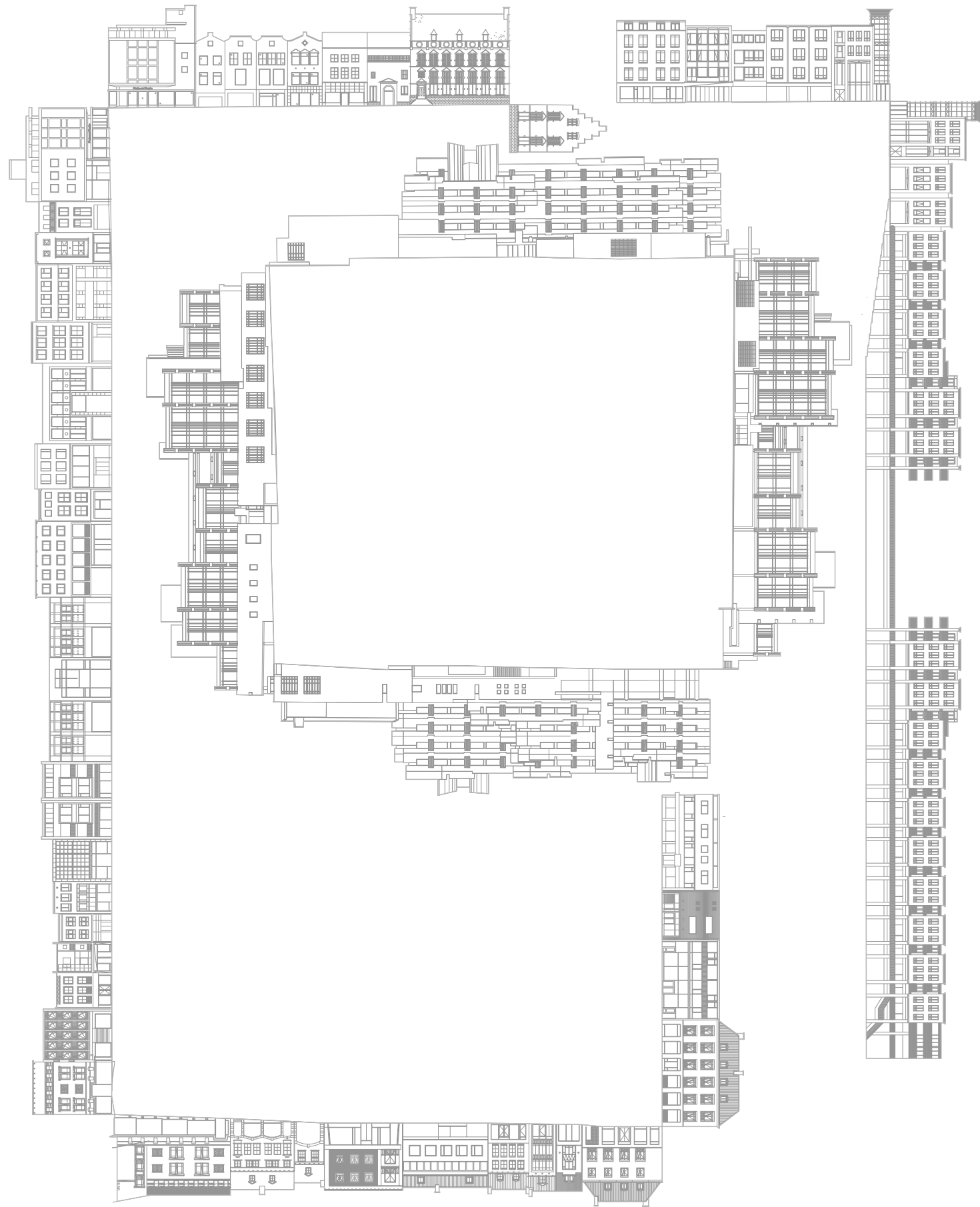
02 A little Urbanity

03 The proposal

04 Building engineering

05 References

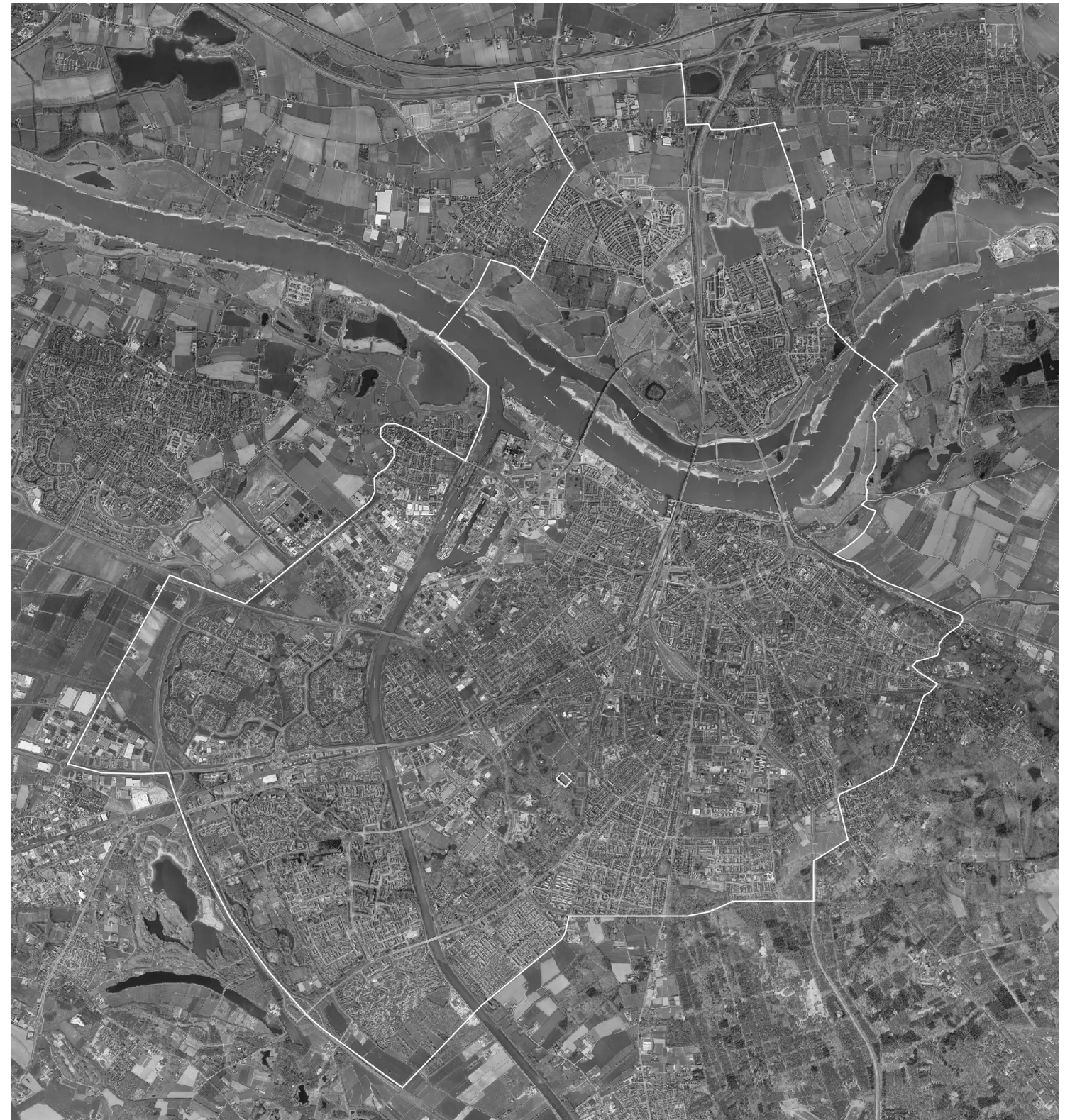
06 Literature



Site, Urban labyrinth



Site, Nijmegen



Site, The region

The innercity of Nijmegen



Site, The innercity

The Market square of Nijmegen

The City hall of Nijmegen



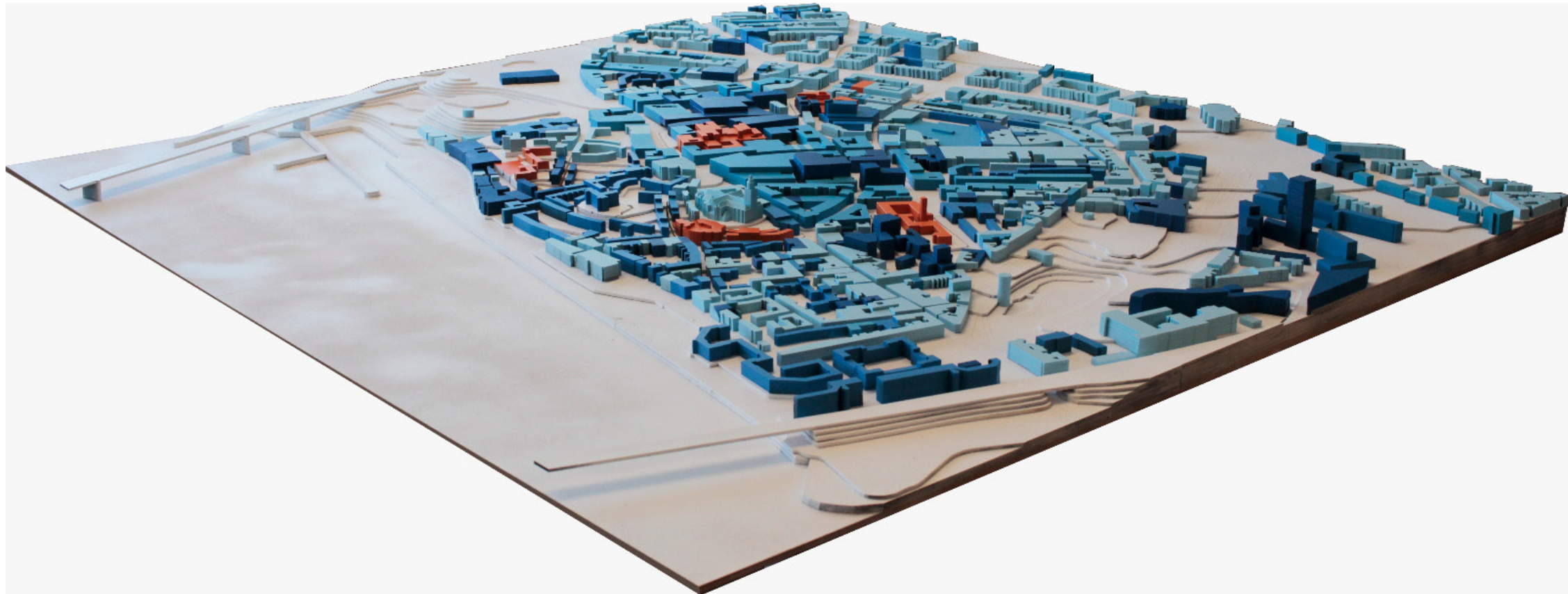
Site, The innercity

The City hall of Nijmegen

Broerstraat 25



Site, Urban plan (existing)



- Site - different projects
- Pre-war
- Post-war
- First wave 1965 - 1995
- Second wave 1995 - 2022

Site, Urban model

The City hall of Nijmegen

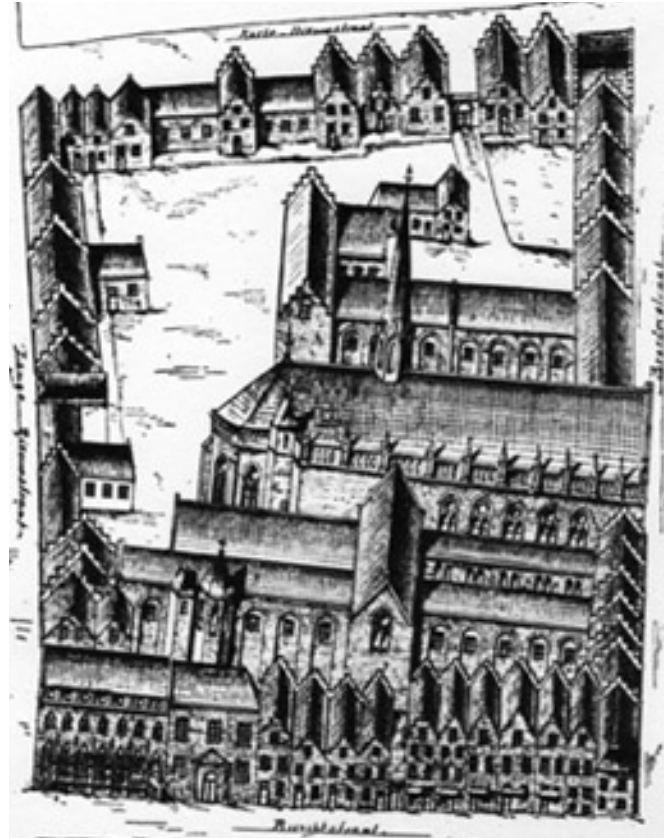
Broerstraat 25



Ground floor + Circulation



The city of the middle ages



The post-war city



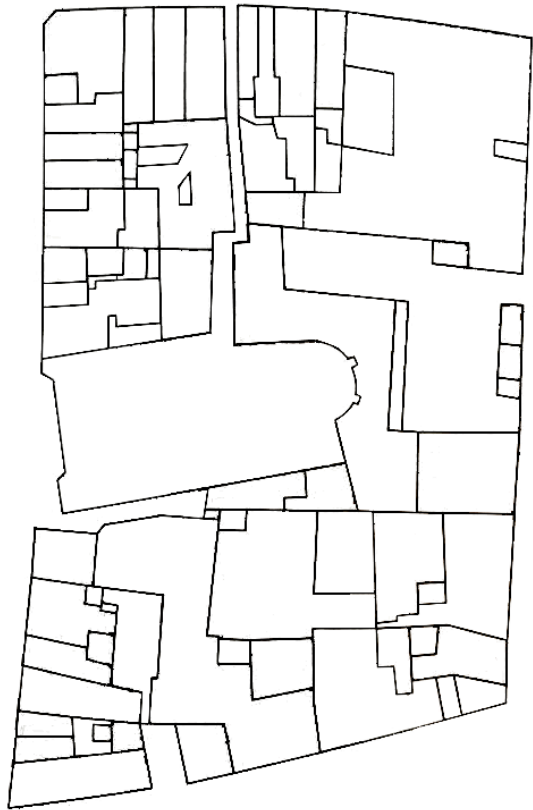
The first-wave city



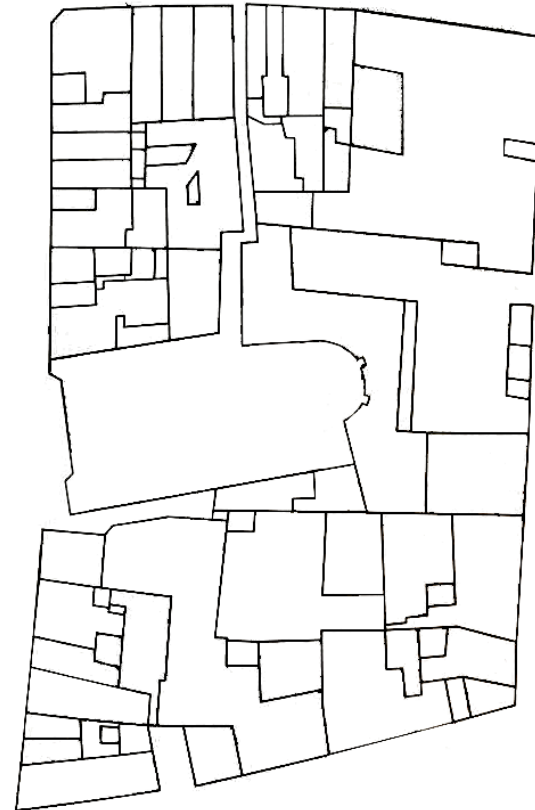
The second-wave city



Site, The multilingual city



Pre-War 1820



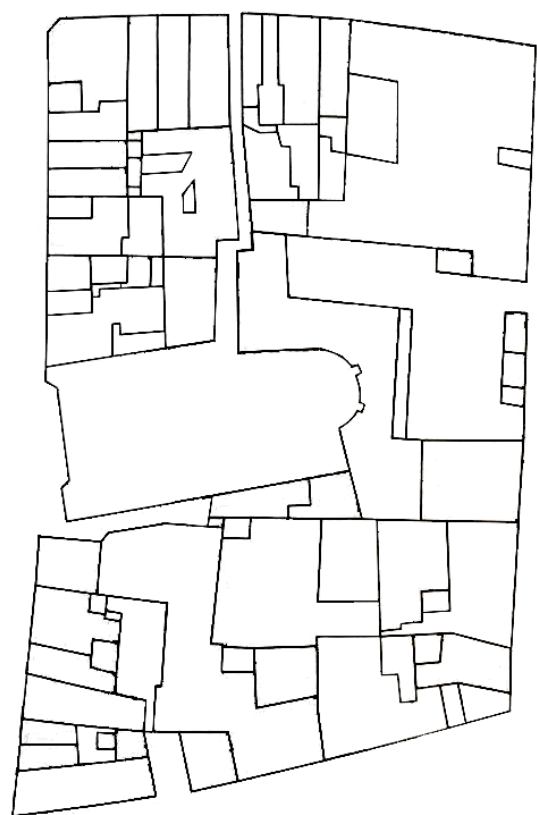
Pre-War 1895



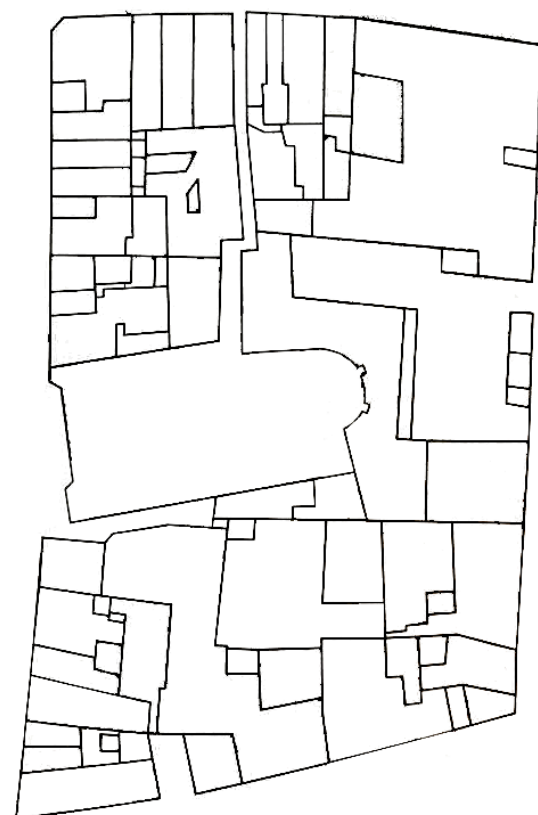
Pre-War 1939-1941



Site, Bombardment 22-02-1944



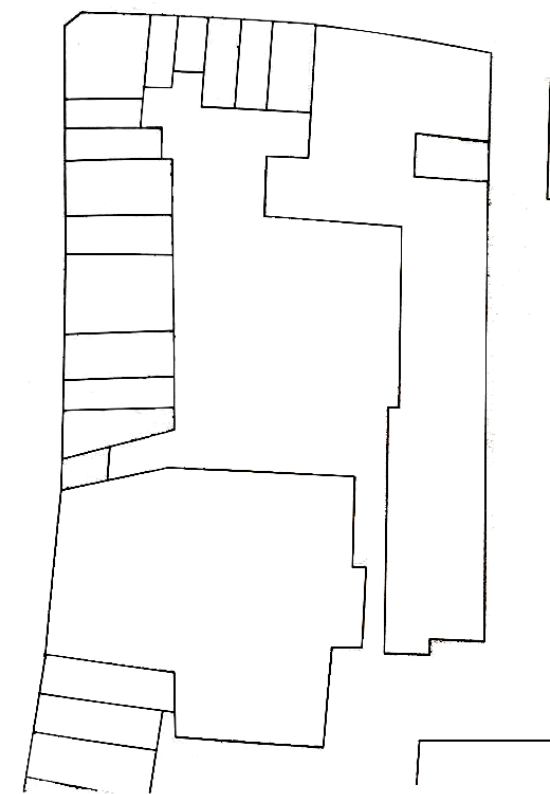
Pre-War 1820



Pre-War 1895



Pre-War 1939-1941



Post-War 1944

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01 Research

02 A little Urbanity

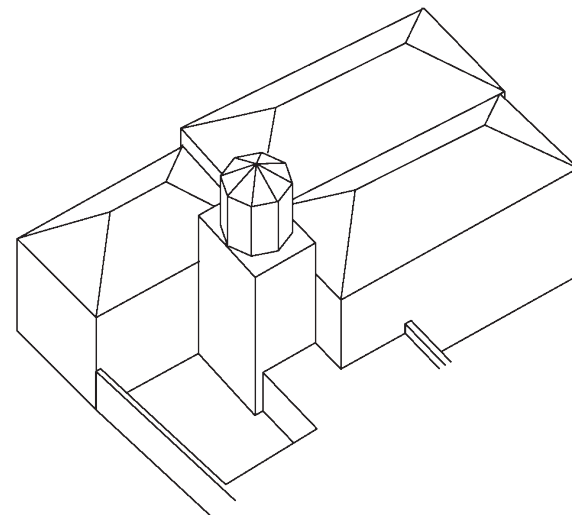
03 The proposal

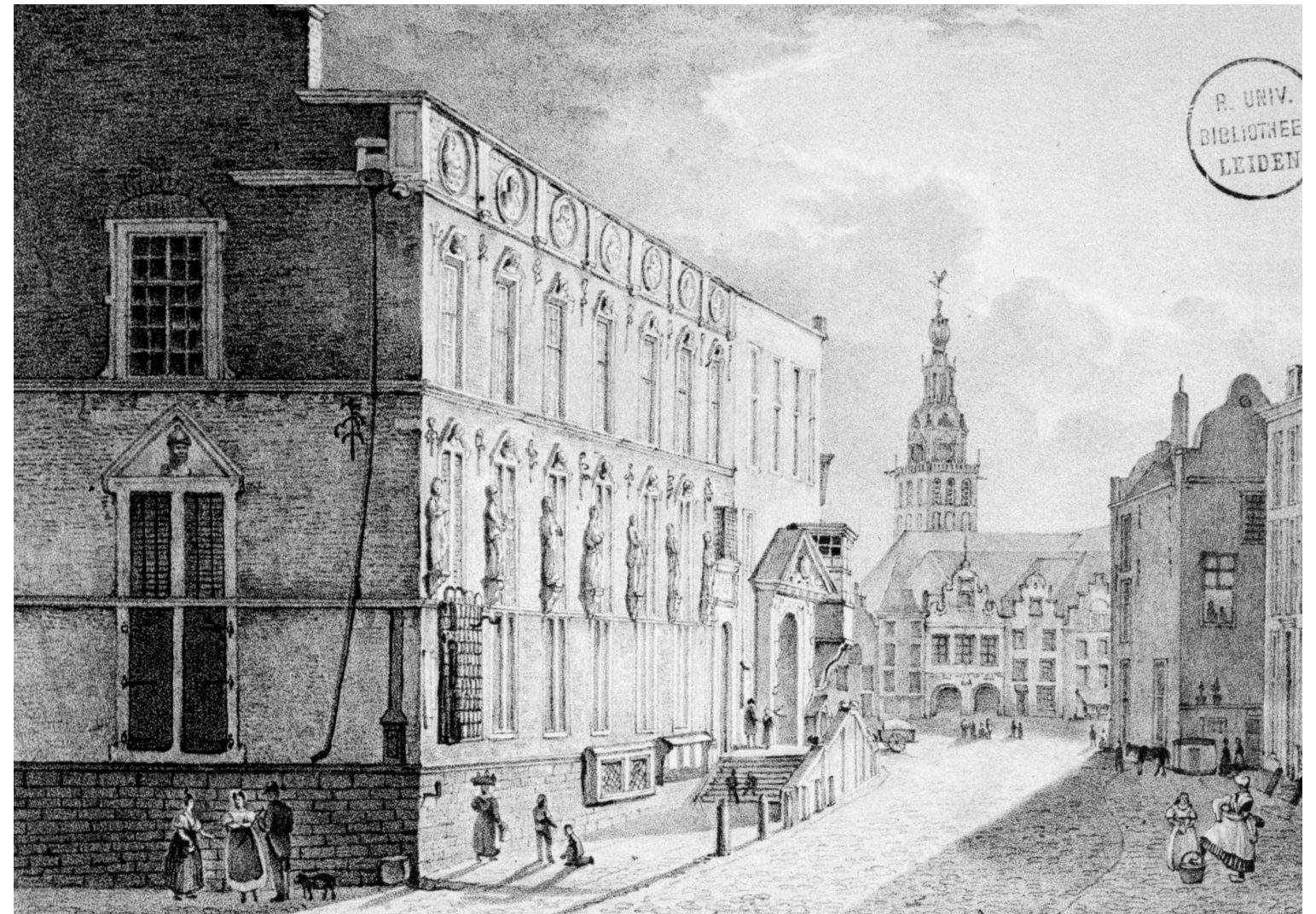
04 Building engineering

05 References

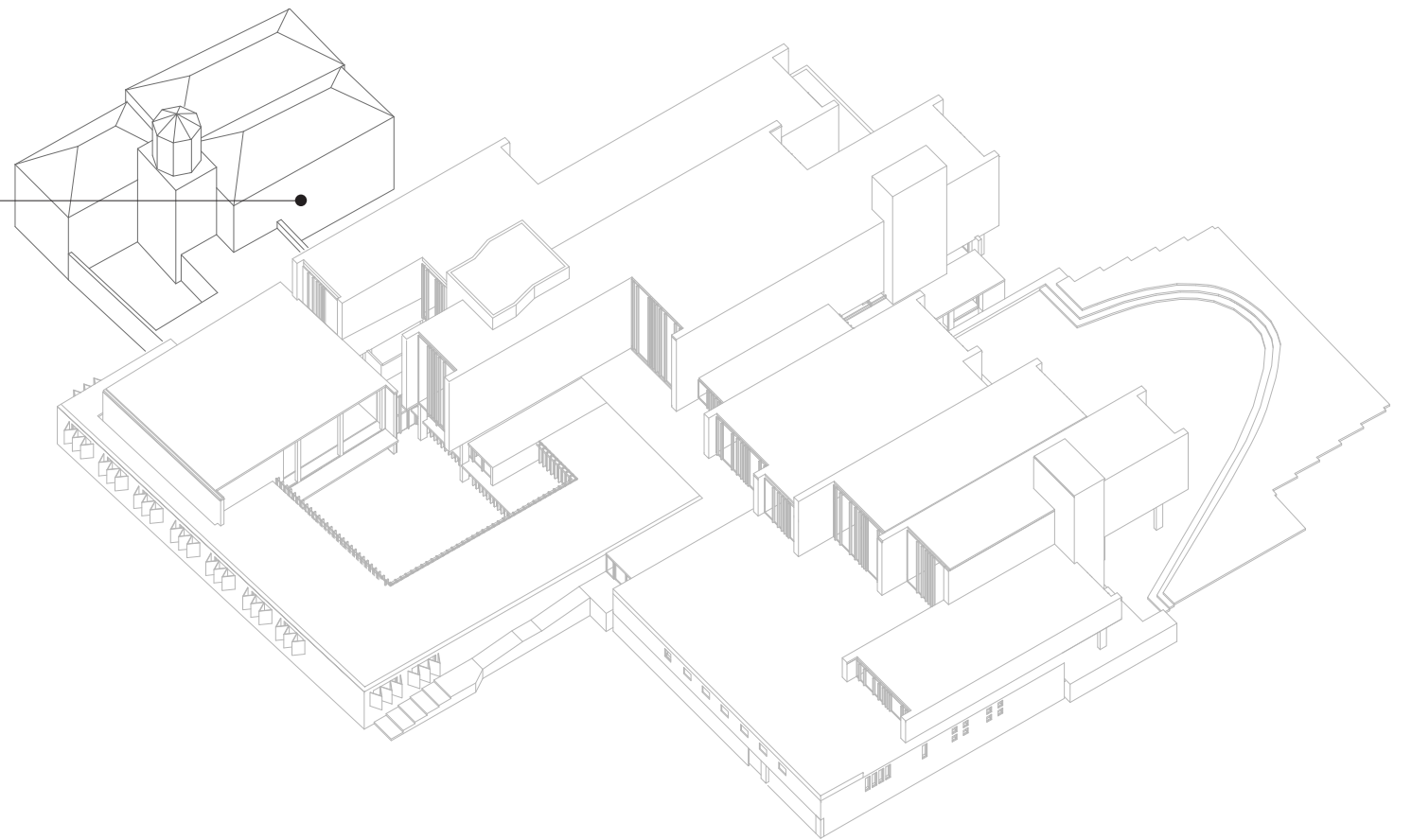
06 Literature

*Project name the First City hall, Project year 1555, Architectural developments Expansion 1879,
Reconstructed after the fire 1947
Location Burchstraat 20A, Nijmegen, Architect Herman van Herengrave*

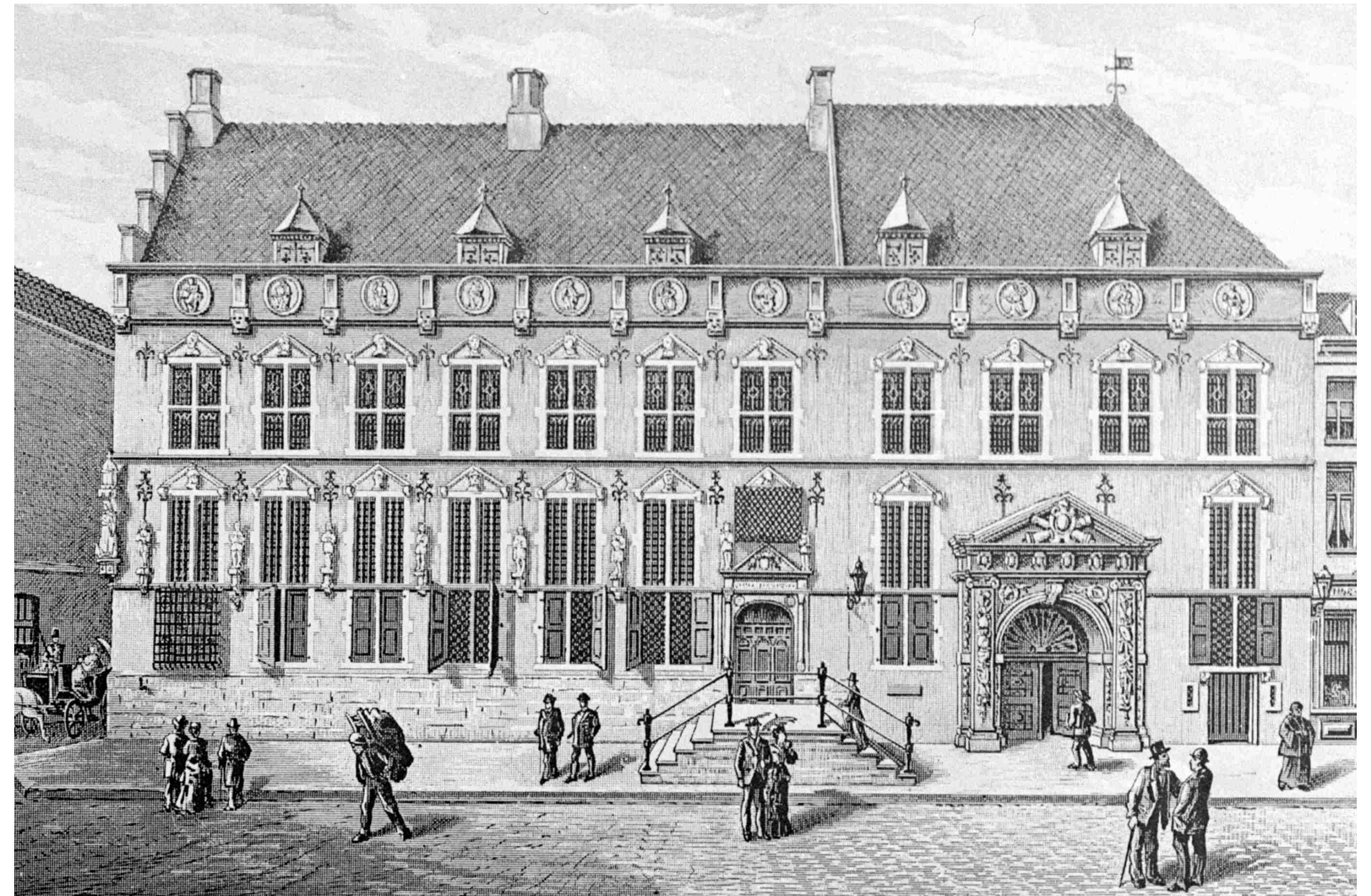




The Historical City hall, 1555
Herman van Herengrave

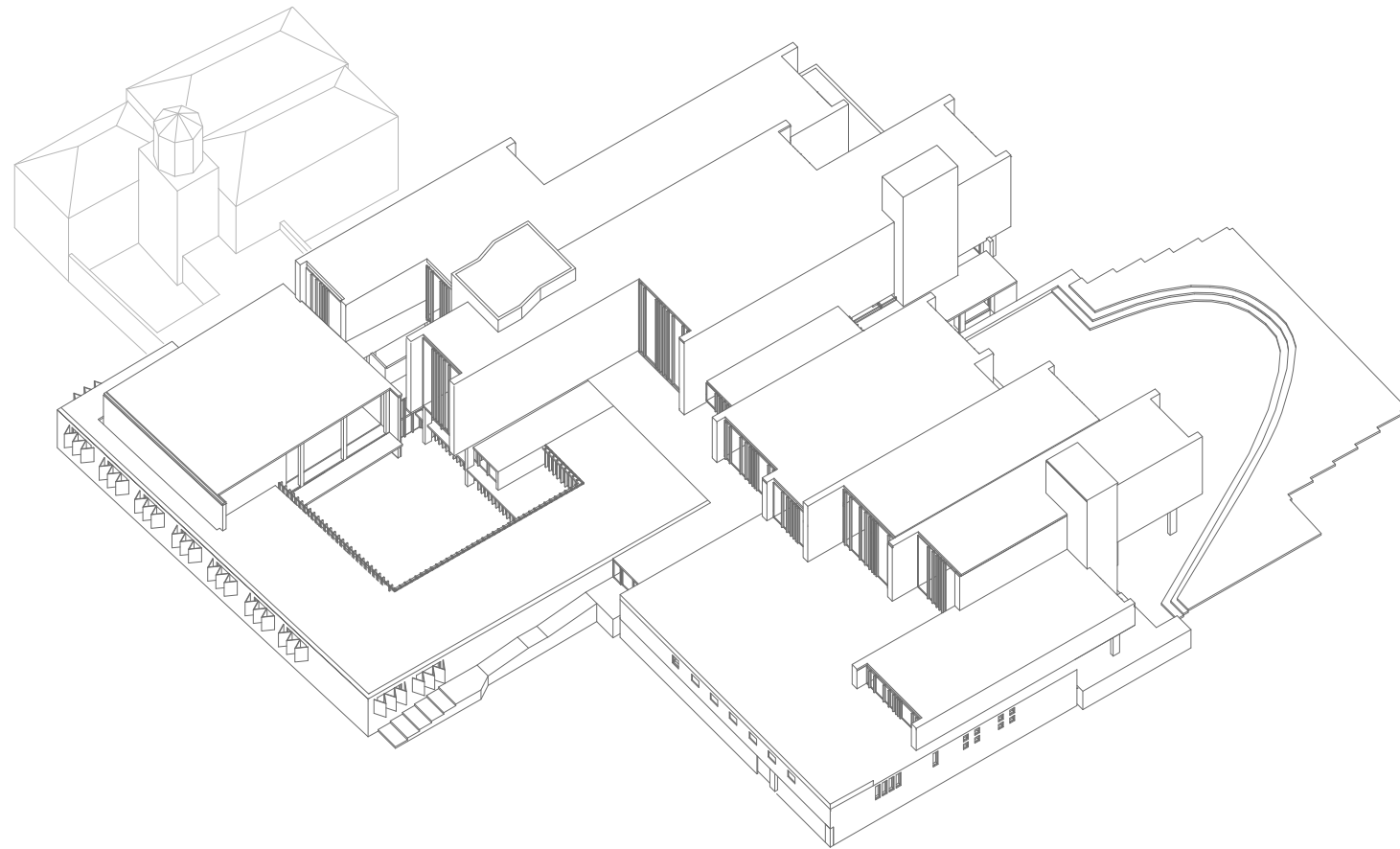


Research, City Hall I



Research, City Hall I

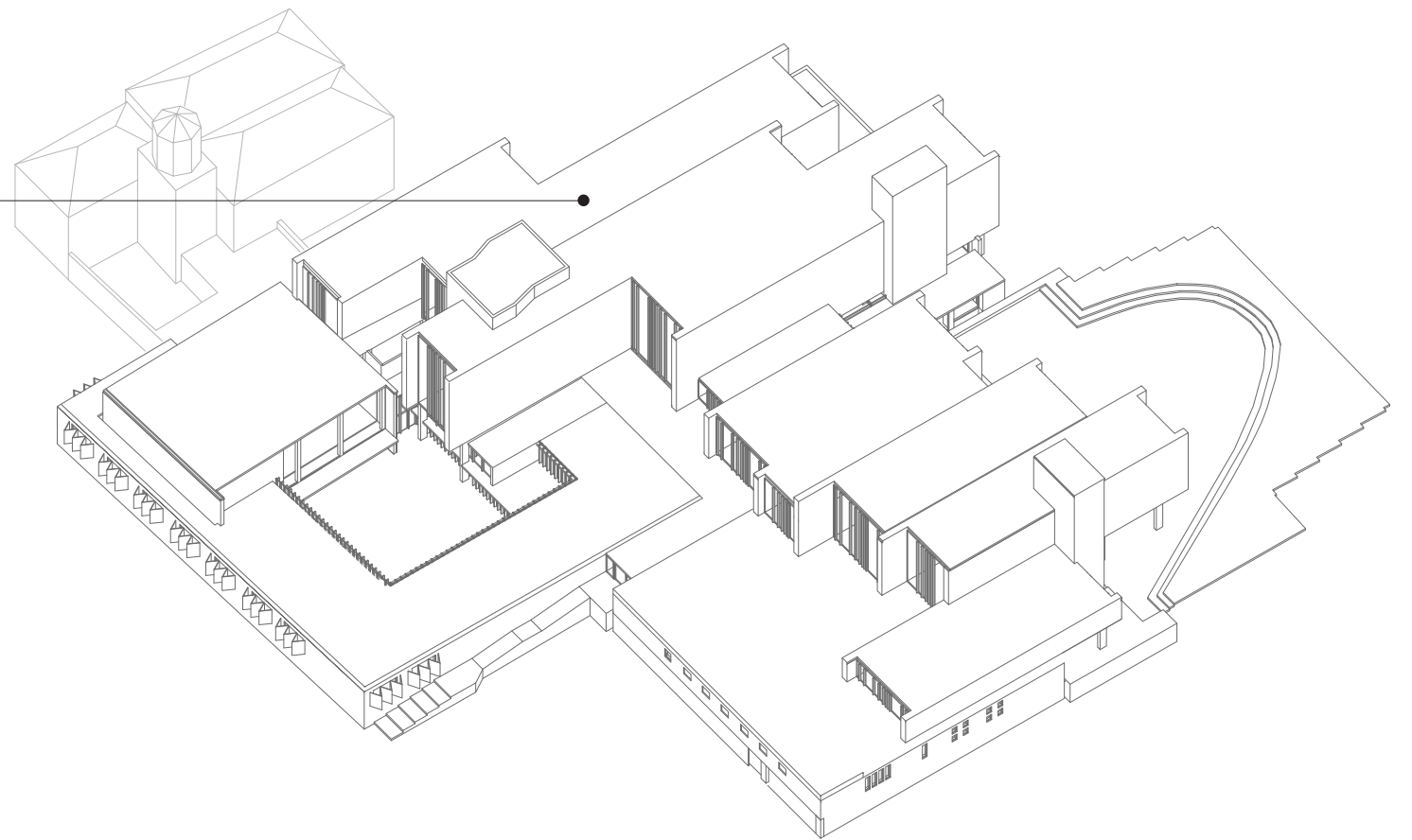
*Project name City hall II Project year 1978, Architectural developments Renovation 2003
Location Korte Nieuwstraat 6, Nijmegen, Architect P. Dijkema and A.Croonen*



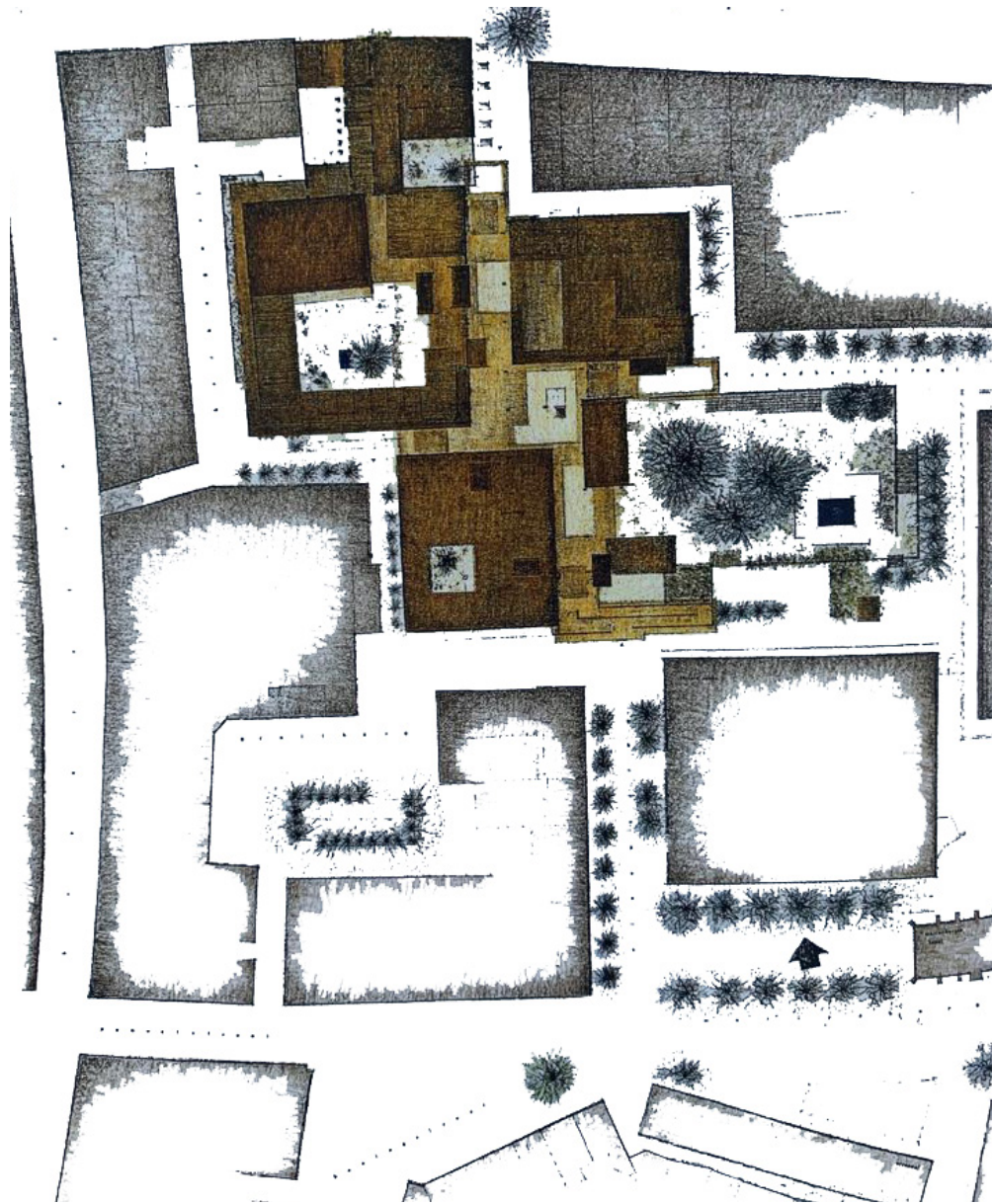


Research, City Hall II

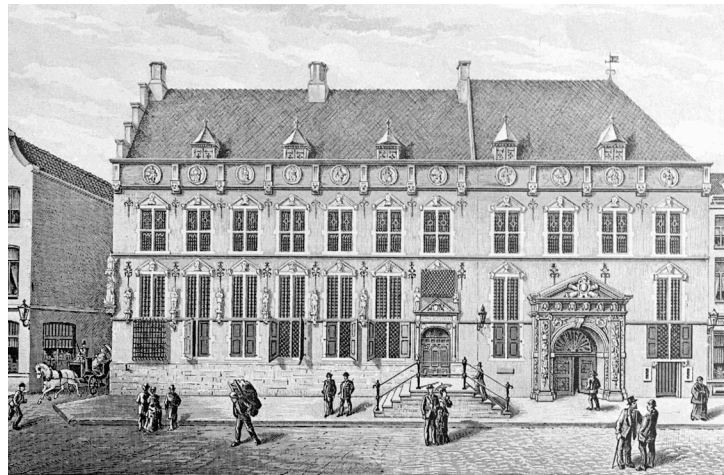
Expansion by Dijkema and Croonen, 1978



Research, City Hall II



Pre-war



Project name the Old City hall, Project year 1555,
Architectural developments Expansion 1879, Reconstructed
after the fire 1947 Location Burchstraat 20A, Nijmegen,
Architect Herman van Herengrave

Post-war



Project name the demolished City hall, Project year 1879,
Architectural developments Expansion 1879
Location Korte Nieuwstraat 6, Nijmegen, Architect C.E.
Blaauw J.Kayser

First-wave



Project name the City hall, Project year 1978,
Architectural developments 2003
Location Korte Nieuwstraat 6, Nijmegen, Architect
P. Dijkema and A.Croonen

Second-wave



Project name the City hall, Project year 1978,
Architectural developments 2003
Location Korte Nieuwstraat 6, Nijmegen, Architect
P. Dijkema and A.Croonen

Pre-war



Project name Dominius Church and Houses, Project year / Architectural developments 2003 Location Broerstraat 25, Nijmegen, Architect Unknown

Post-war



Project name Dominius Church and Houses , Project year Architectural developments 2003 Location Broerstraat 25, Nijmegen, Architect Unknown

First-wave



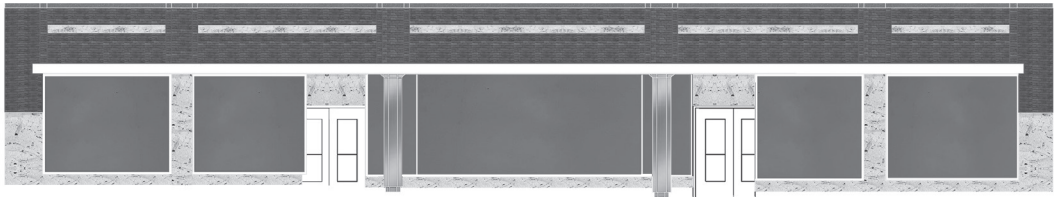
Project name Van der Borg Warenhuis, Project year / Architectural developments 2003 Location Broerstraat 25, Nijmegen, Architect Unknown

Second-wave

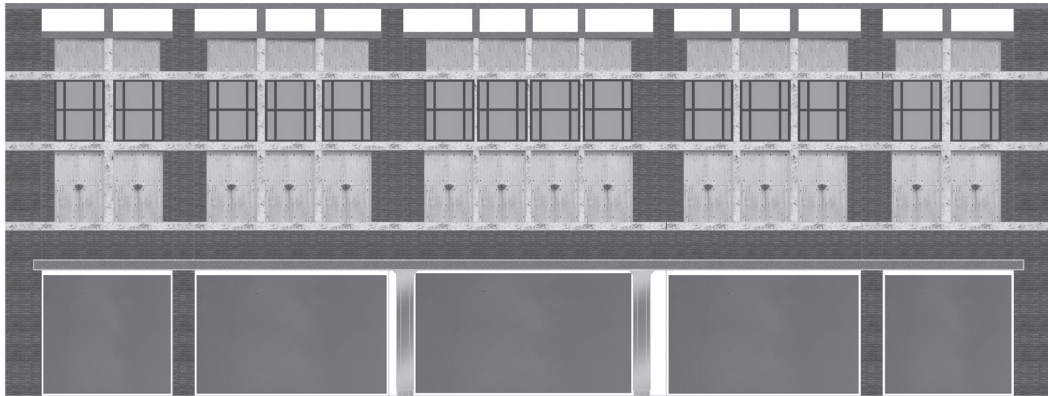


Project name: Blokker, Perry Sport & Cool cat, Project year: , Architectural developments: 2003 Location: Broerstraat 25, Nijmegen, Architect: Unknown

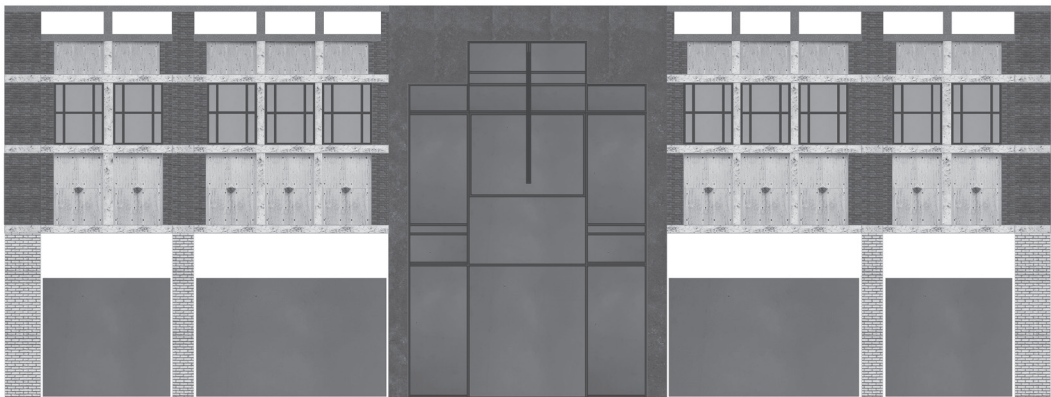
Post-war facade
1965 - 1995

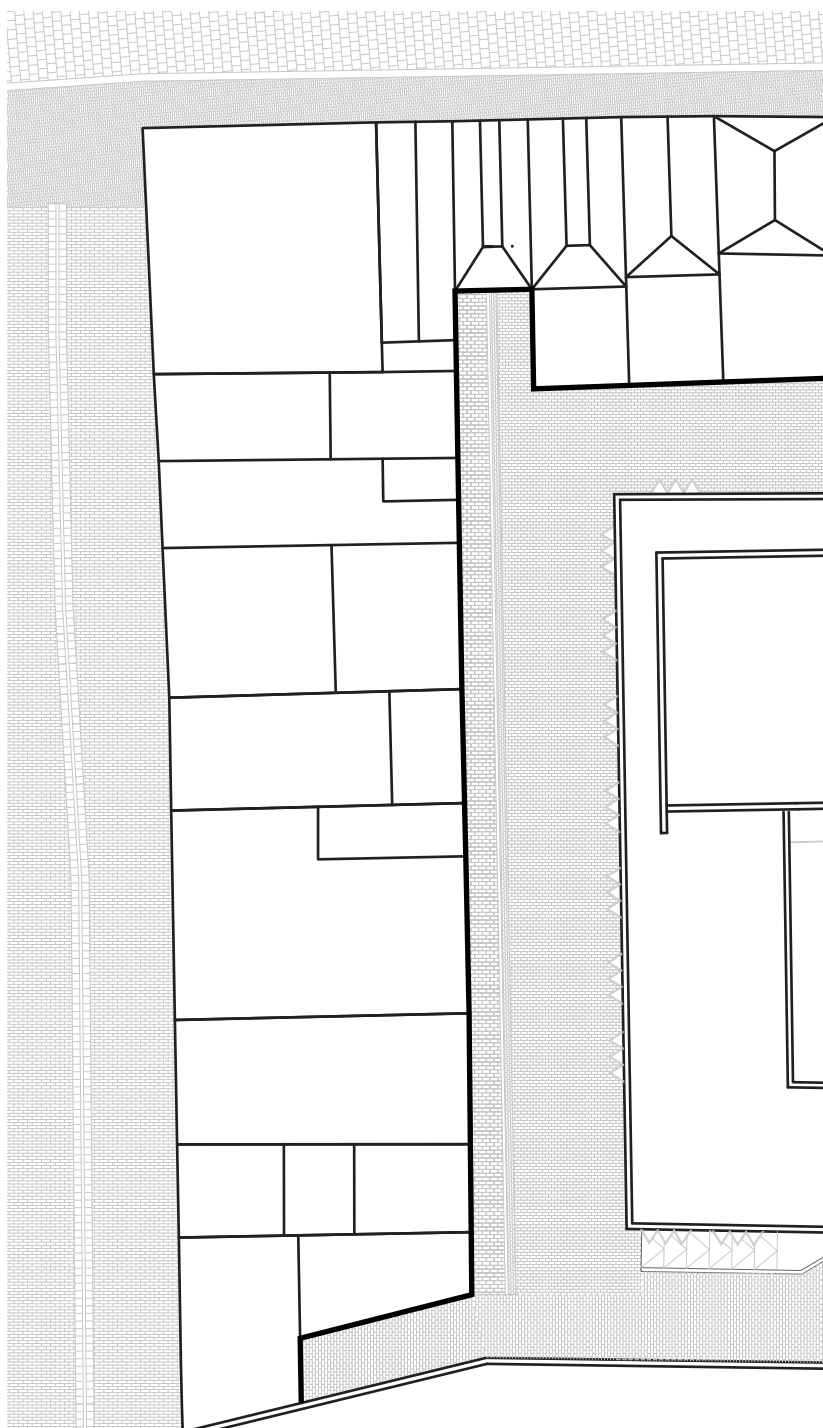
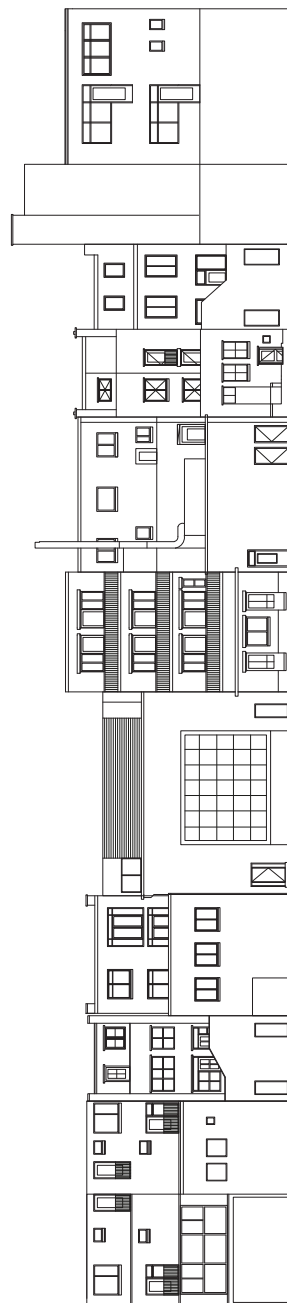


First-wave facade
1965 - 1995



Second-wave facade
1995 - 2010





Baricaded windows

*Harsh entrance
City hall*

Neglected space

Graffiti



Backdoor entrances

Car parking



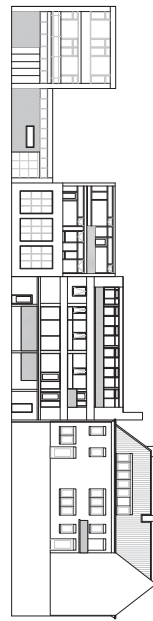
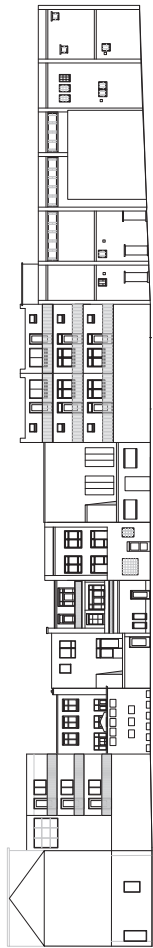
Shopping street



*In the proximity of
the market square*

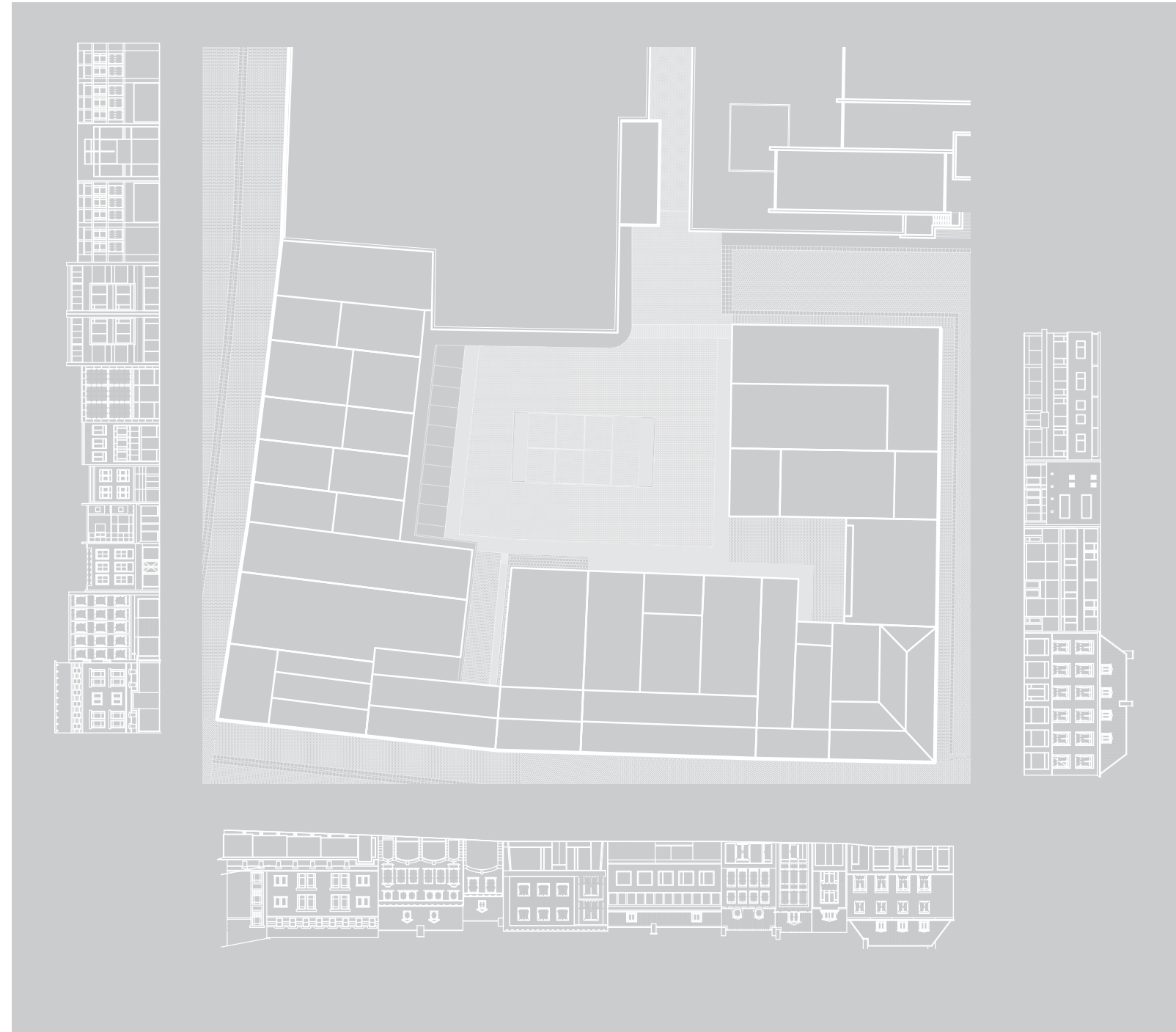
Shopping street





Innen

Research, Binnen en Buiten



Außen

Baricaded windows

Backdoor entrances



Car parking

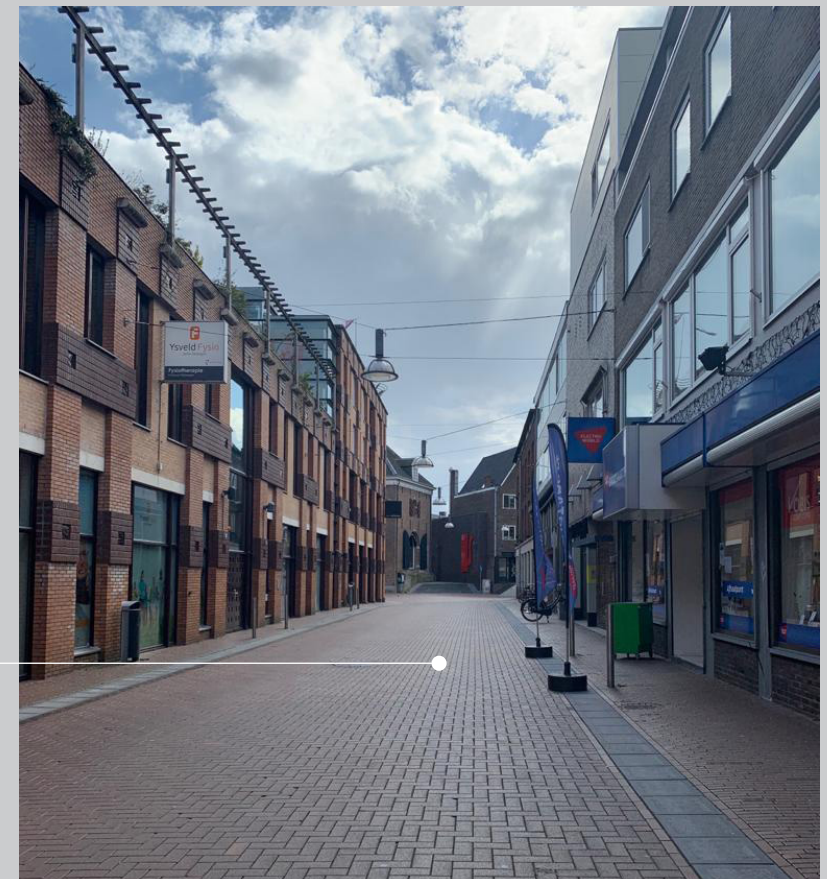


Innen

Peculiar passages



Shopping street



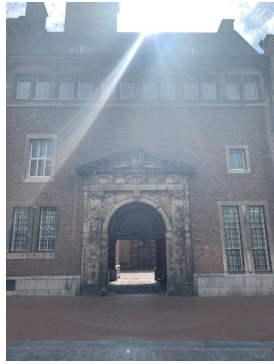
Research, Binnen en Buiten

Außen

00



01



02



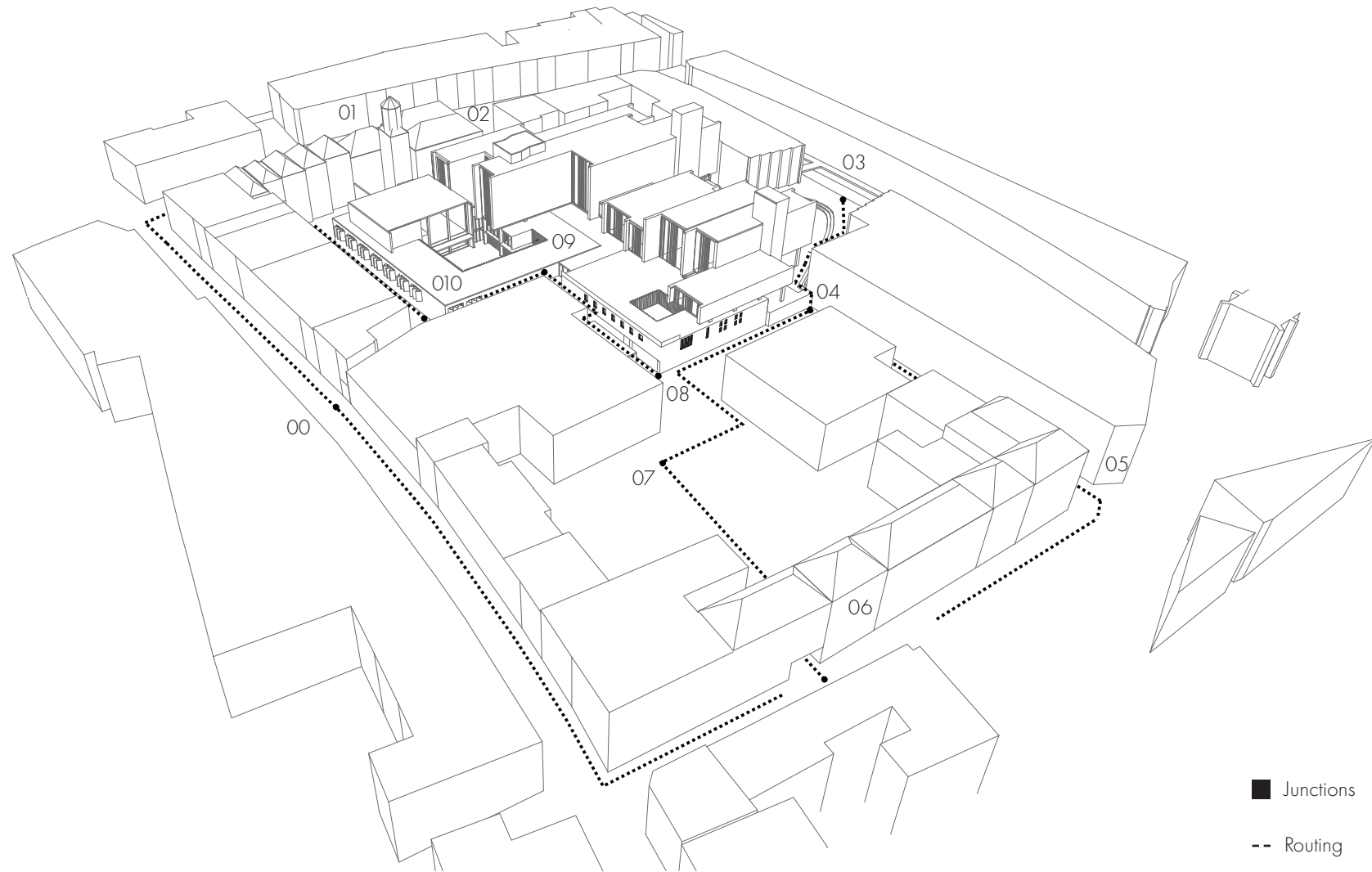
03



04



05



06



07



08



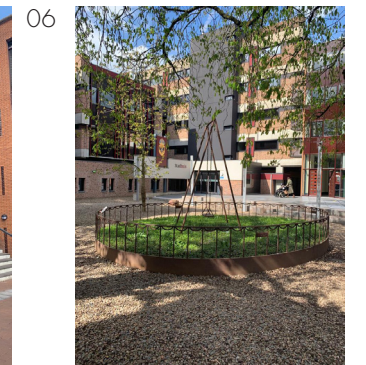
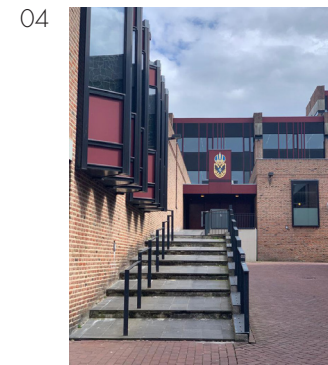
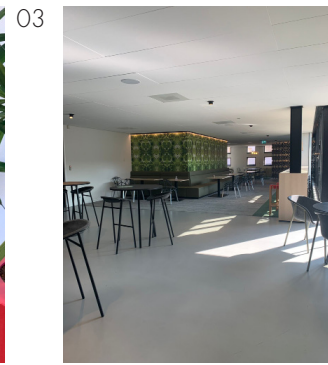
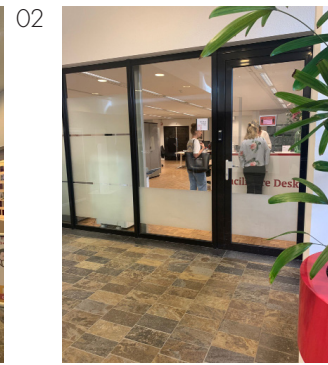
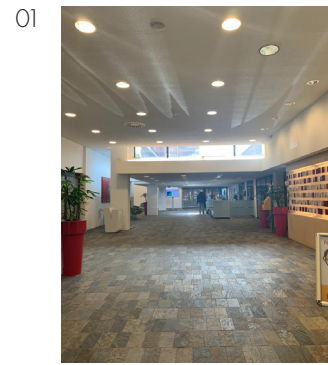
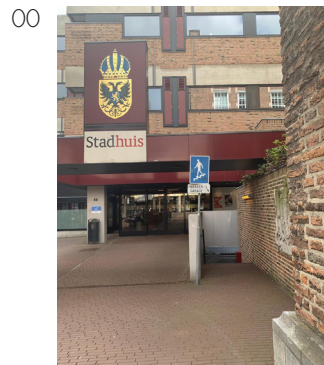
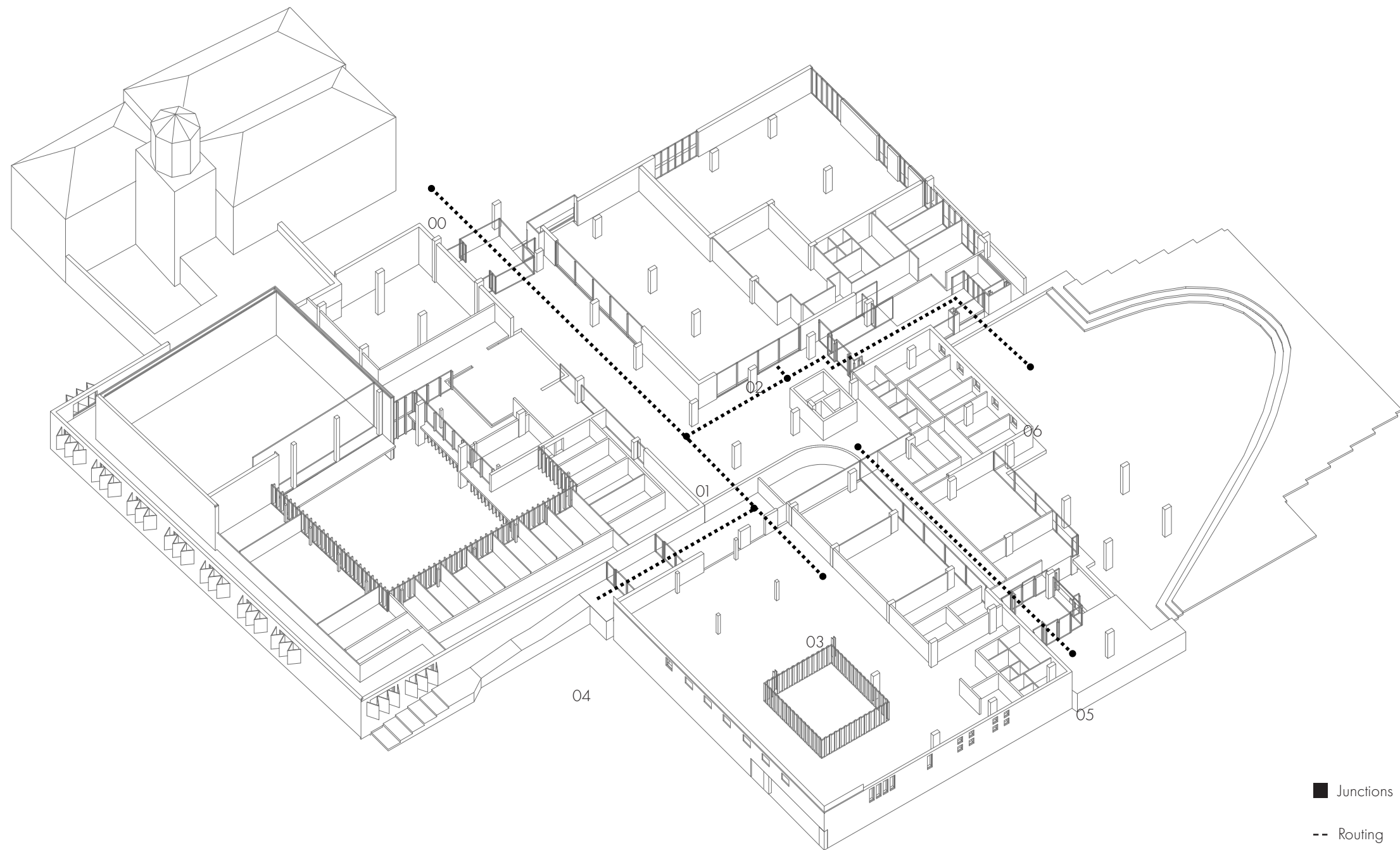
09



010



Research, Circulation Urban block



Research, Circulation City hall

00 Site

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06 Literature



Dijkema & Croonen



Current Situation



Post-war

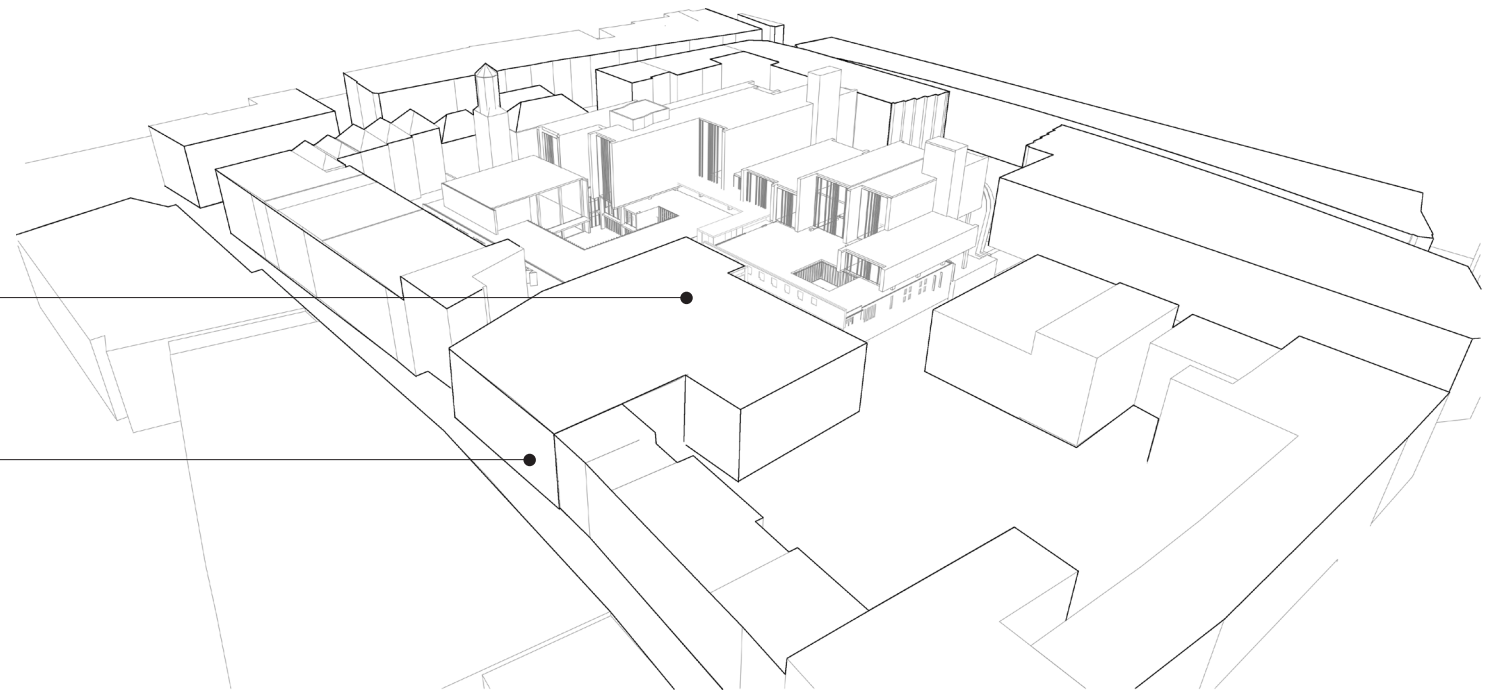
Problem/Statement, What's at stake?



Problem/Statement, What's the desired goal?

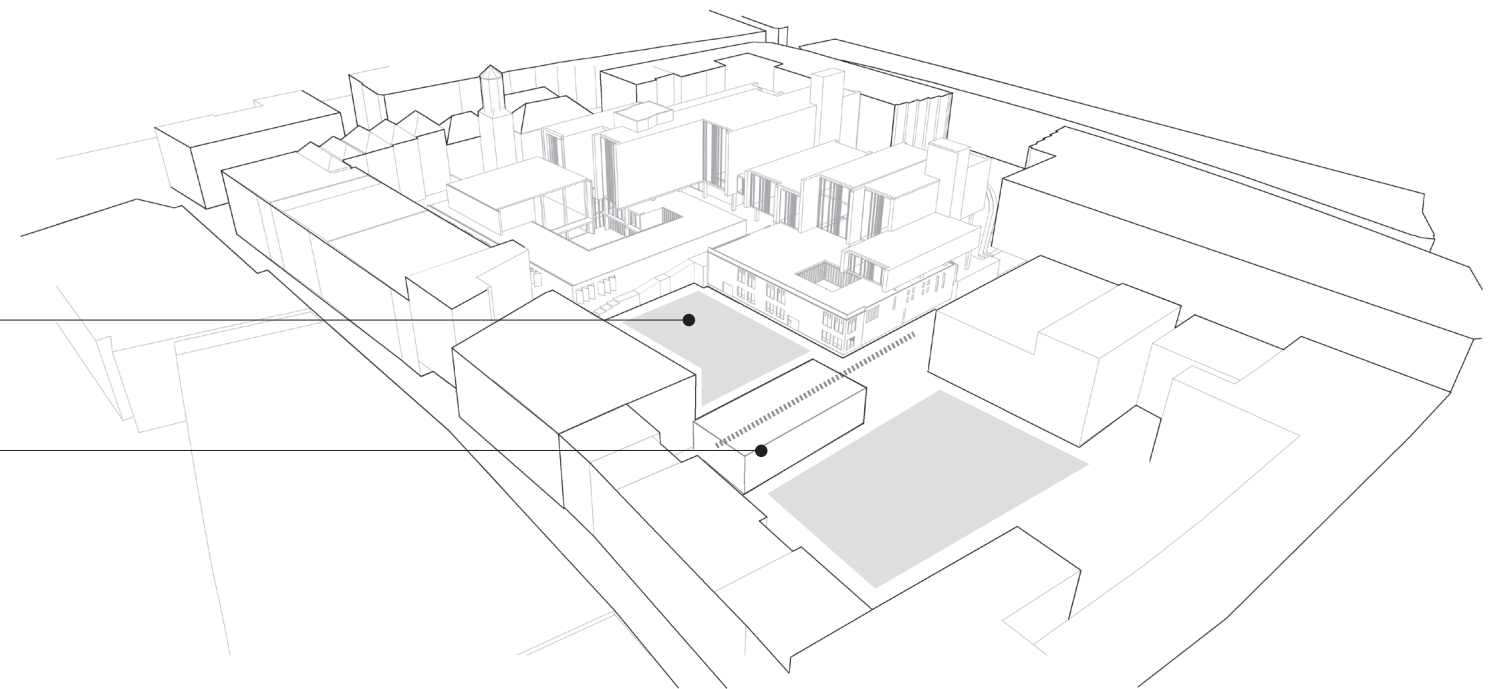
*Demolishing the existing construction to
create breathing space inside
the urban block*

Demolishing the facade



Urban space created by demolishing

*Seperation in urban space
by typology*



Strategy, After demolition

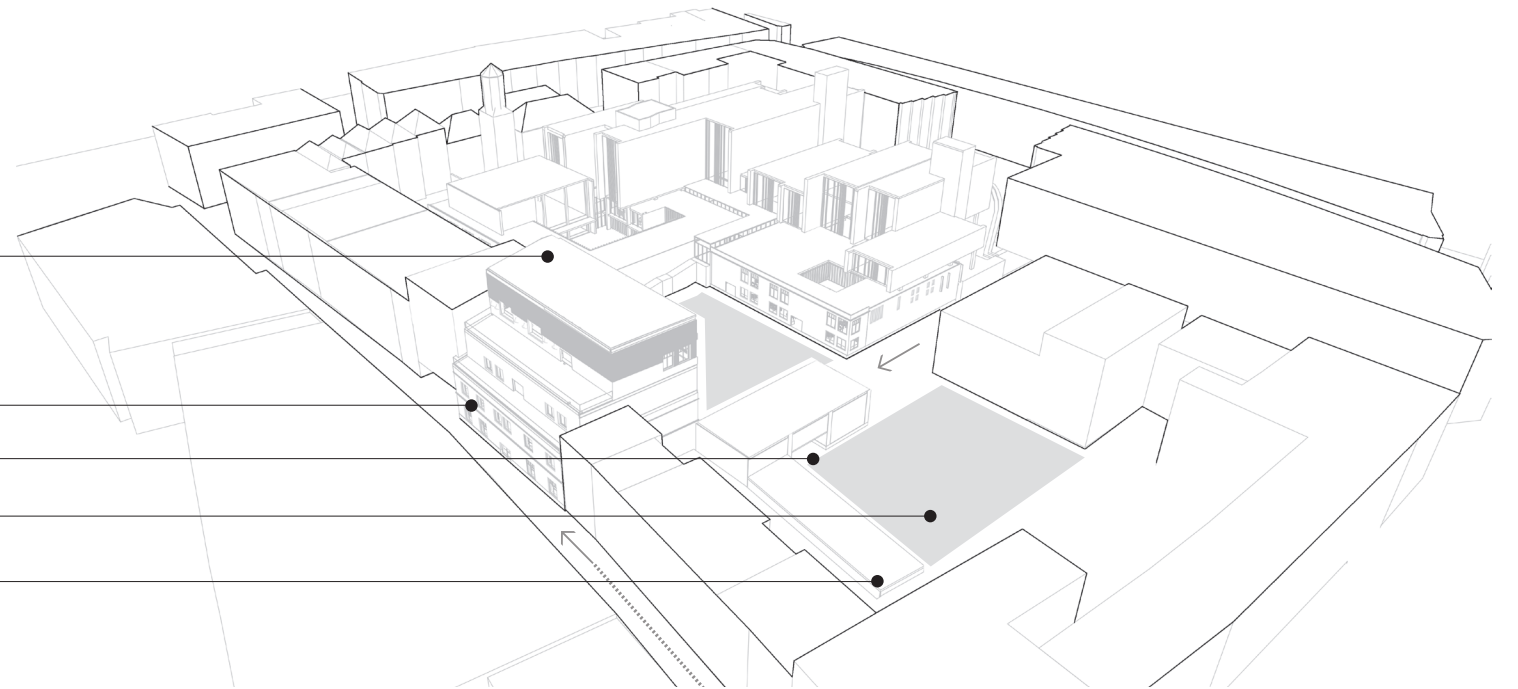
Creating a council chamber on top of the existing construction to emphasis the political centre

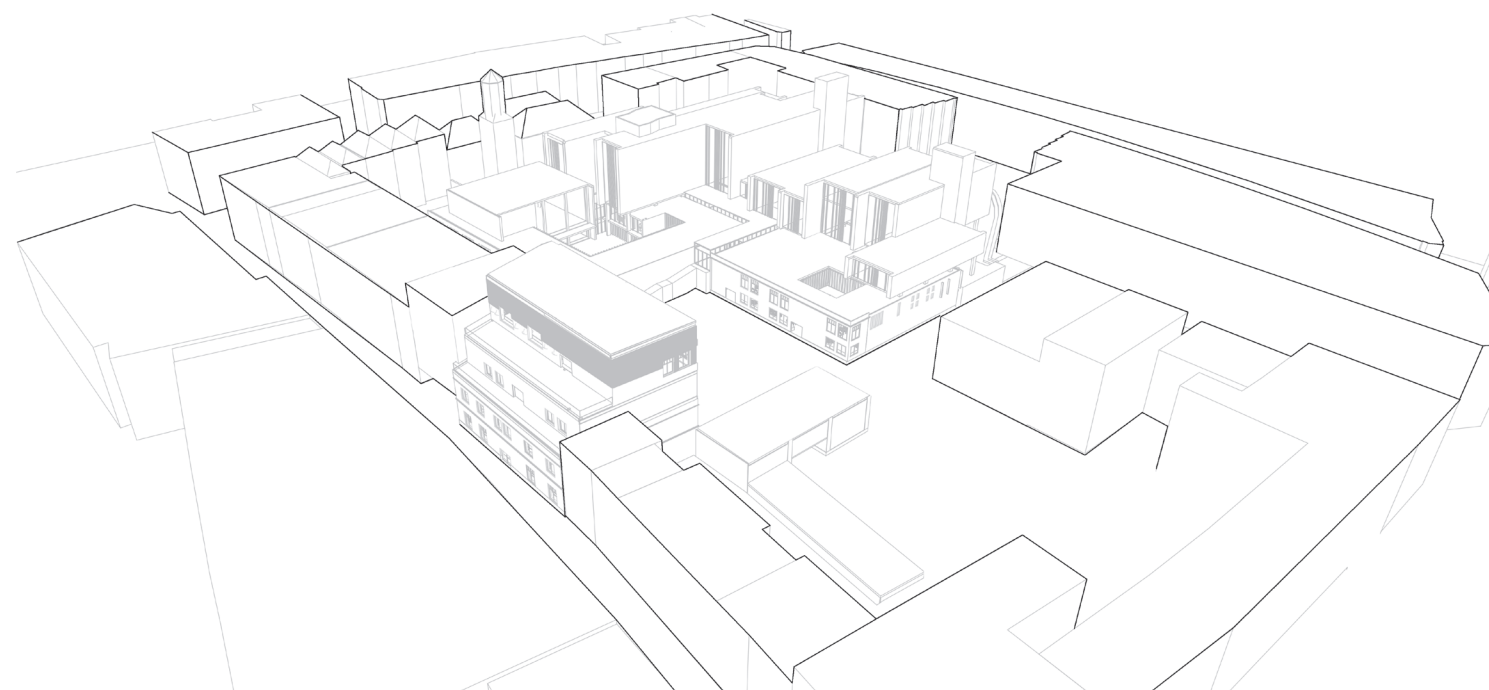
Creating a new facade layer as the modern City hall entrance

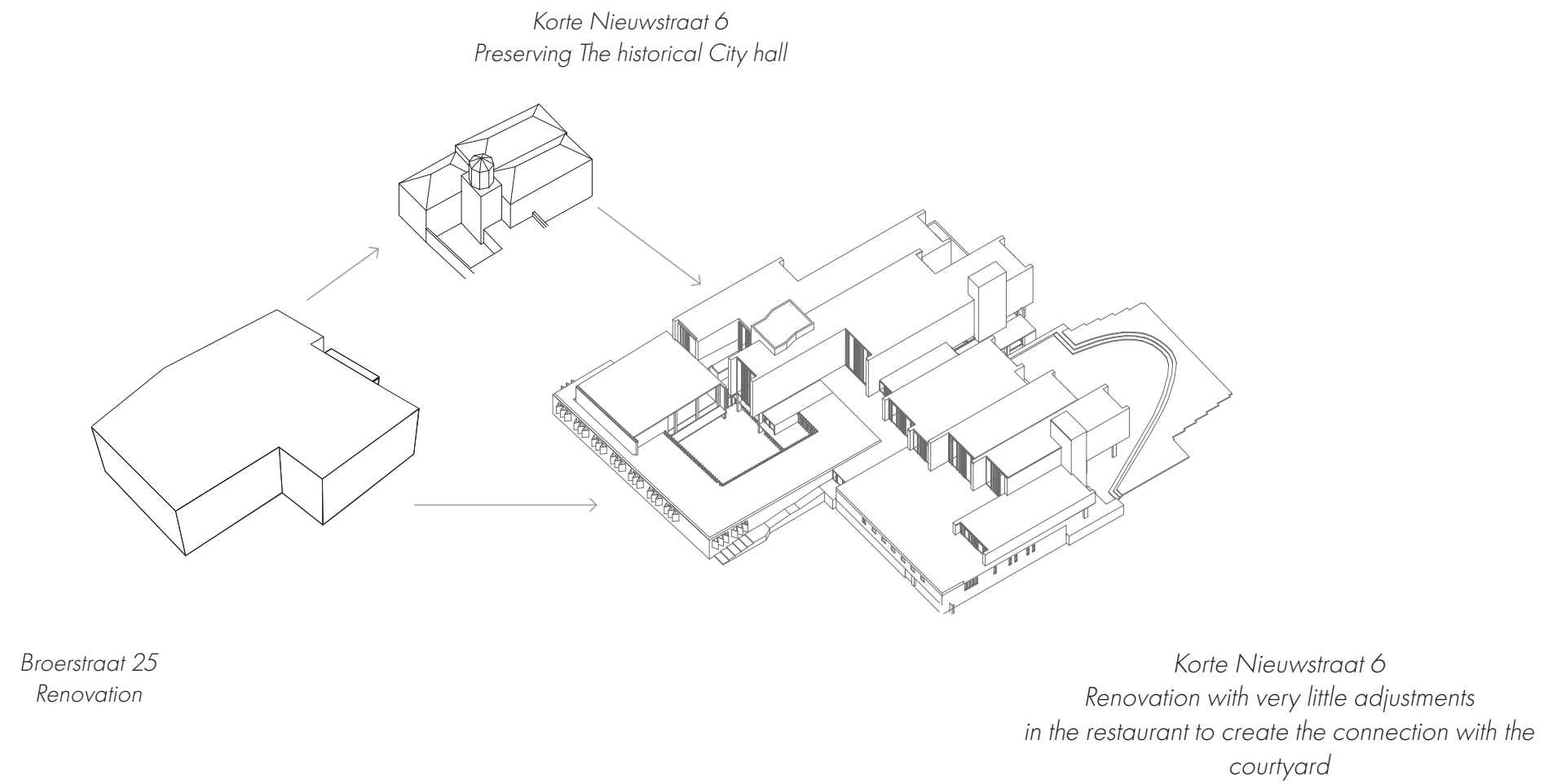
Recreating the children's daycare

Children's playground

Bycicle parking garage and storage space



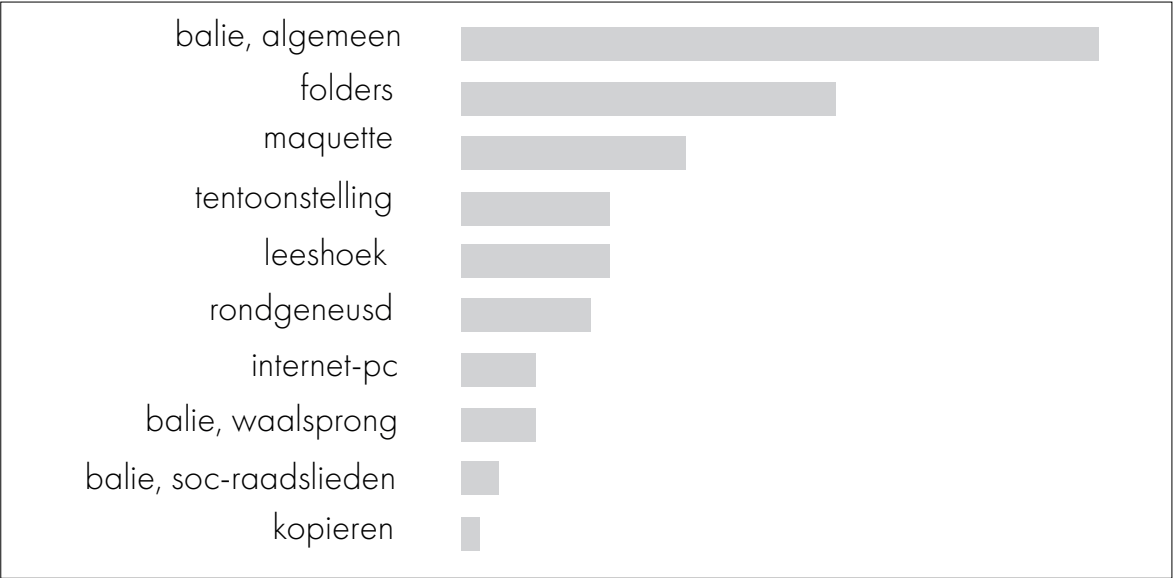




Strategy, In brief

Move (1	21) Birth and decease
Unemployment benefit, debts, low income (2	22) My Nijmegen
Driving licence (3	23) Appointment
Work for the municipality Nijmegen (4	24) Waste
Passport and identification cards (5	25) Sport
Constructing and living (6	26) Insulate and natural gas
Notify the municipality Nijmegen (7	27) Search in archive
Marry, Registered partnership, divorce (8	28) Vegetation
Extracts and declarations (9	29) Complaint, objection, profession
Care, help and advise (10	30) Monuments
File heat (11	31) Distinctions
Districts (12	32) Education and Childcare
File Coronavirus Covid-19 (13	33) Invoice
Taxes (14	34) The municipality guide Nijmegen
Subsidies (15	35) The municipality weapon and logo
Archaeology (16	36) The municipality's responsible
Enterprises (17	37) Art in the city
Events (18	38) Event: Vierdaagse
Permits (19	39) Archive Nijmegen
Parking, traffic and transport (20	40) Law
	41) Connected parties
	42) Privacy
	43) Temporary shelter Afghan refugees

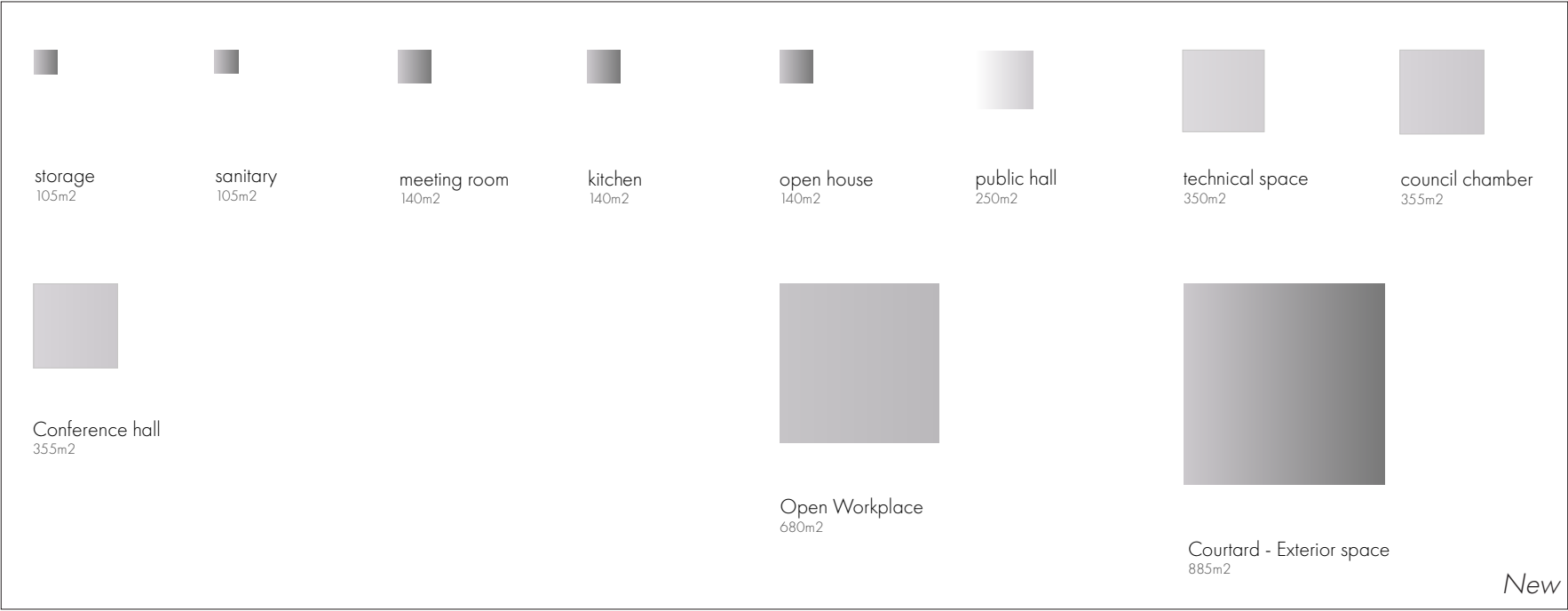
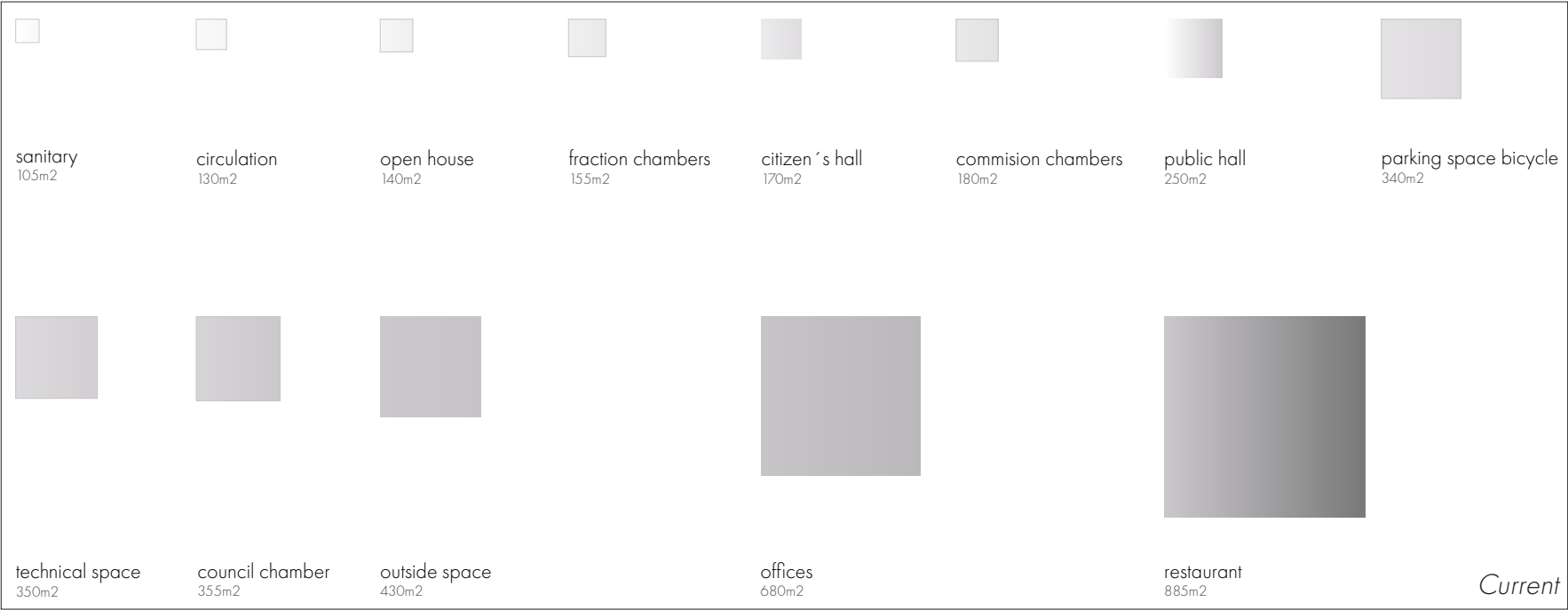
fig.1 Doel bezoek



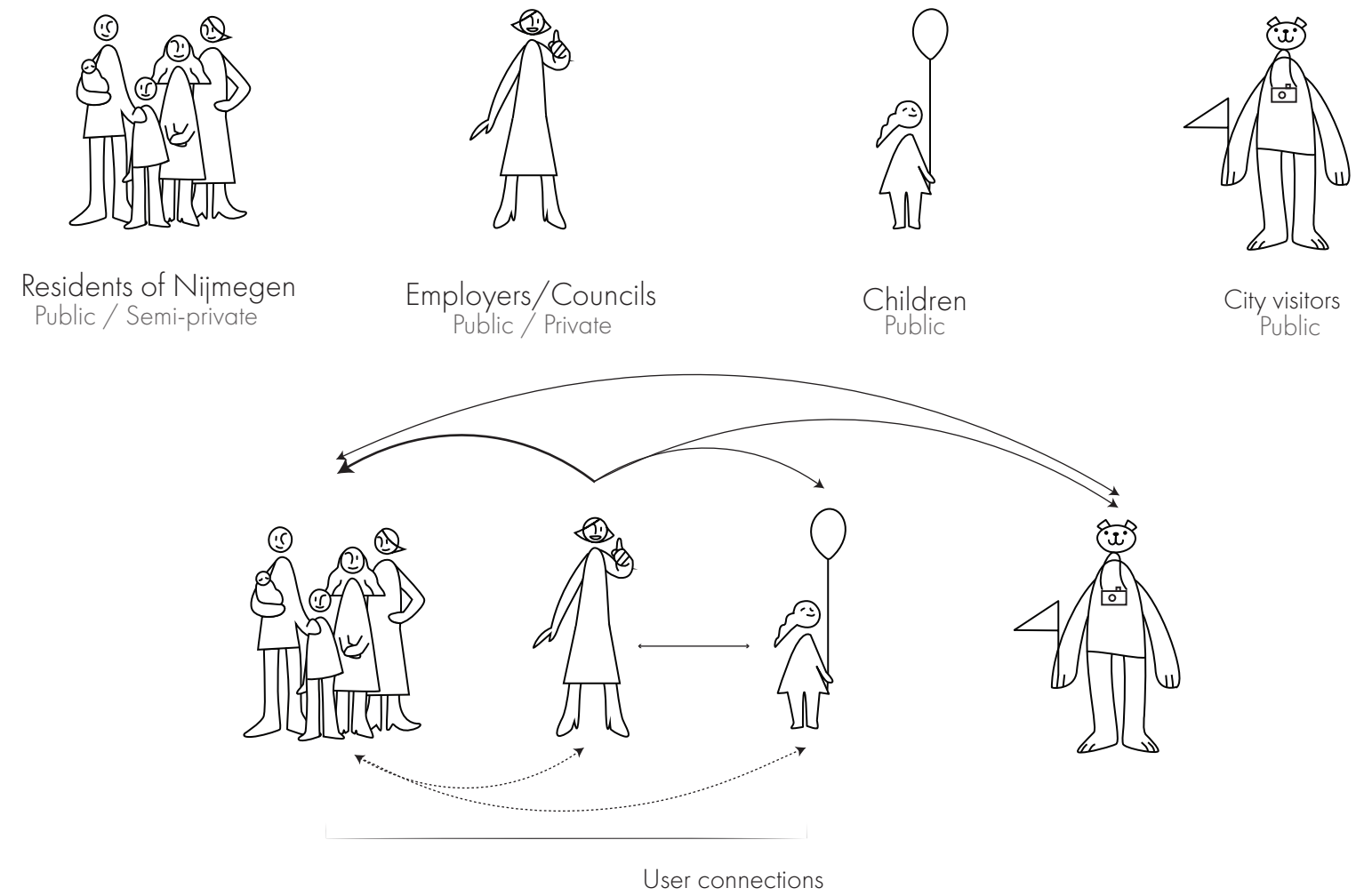
“dat vind ik de meest logische plaats”
..
“dat ben ik zo gewend”
..
“hier is alles bij de hand èn recent”
..
“ik was toch al in het centrum”

fig.2 Heeft het bezoek opgeleverd wat u verwachtte?





Program brief, Current and New



00 Site

01 Research

02 Strategy

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The City hall of Nijmegen
Broerstraat 25



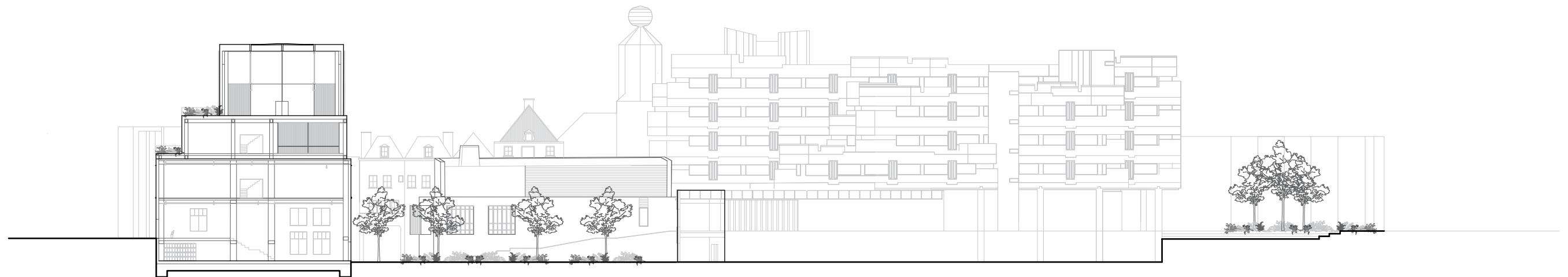
Site, Urban plan (existing)

The City hall of Nijmegen

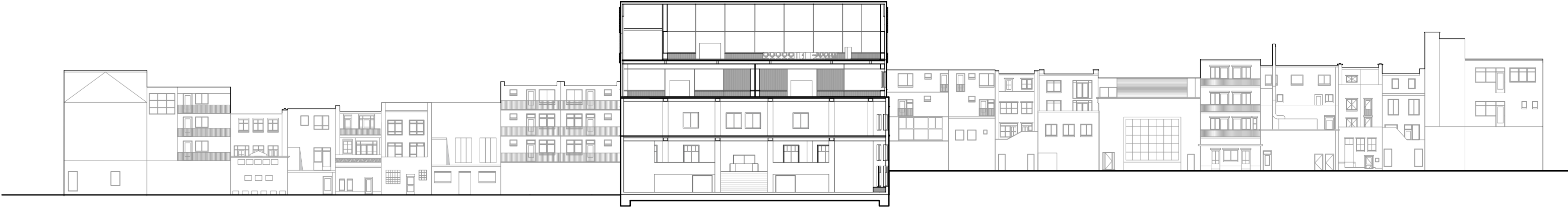
Broerstraat 25



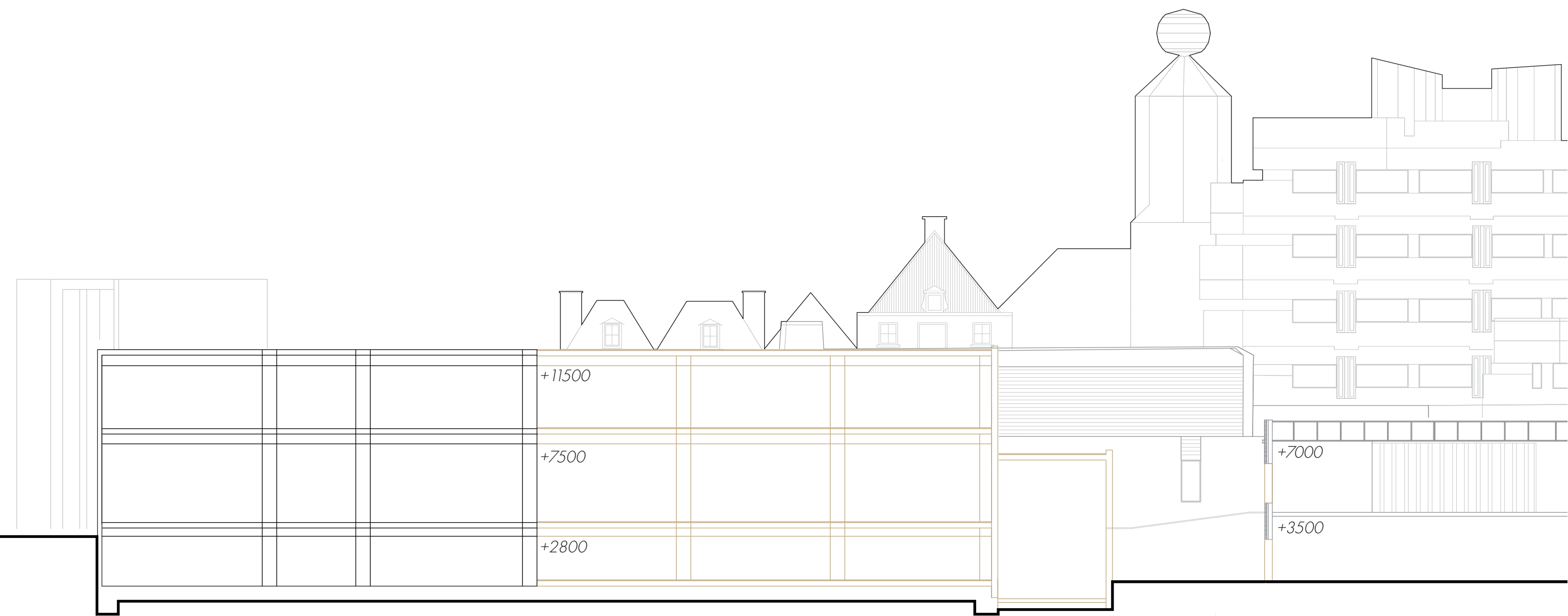
Site, Urban plan (proposal)



Urban section AA, 1.500



Urban section BB, 1.500

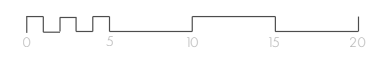


Section AA, Demolition plan





Section AA, After demolition



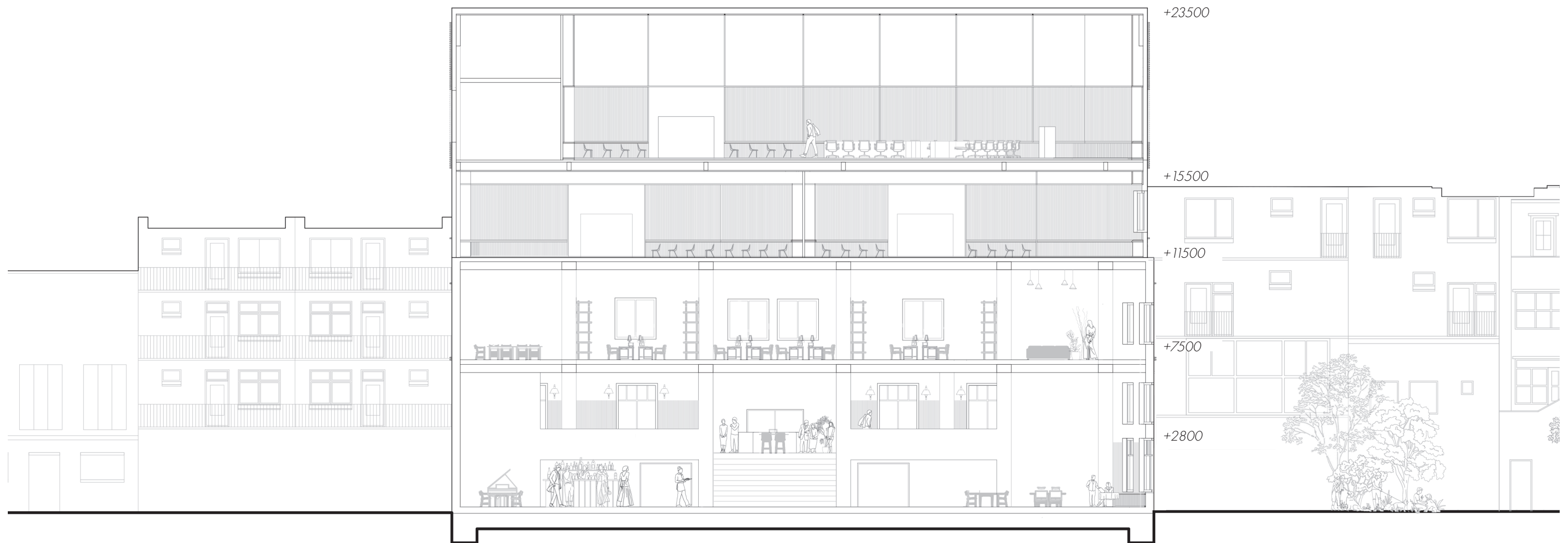


Section AA, 1.200





Program brief, section AA



Section BB, 1.200



Council chamber

Conference hall

Wedding hall

Meeting room

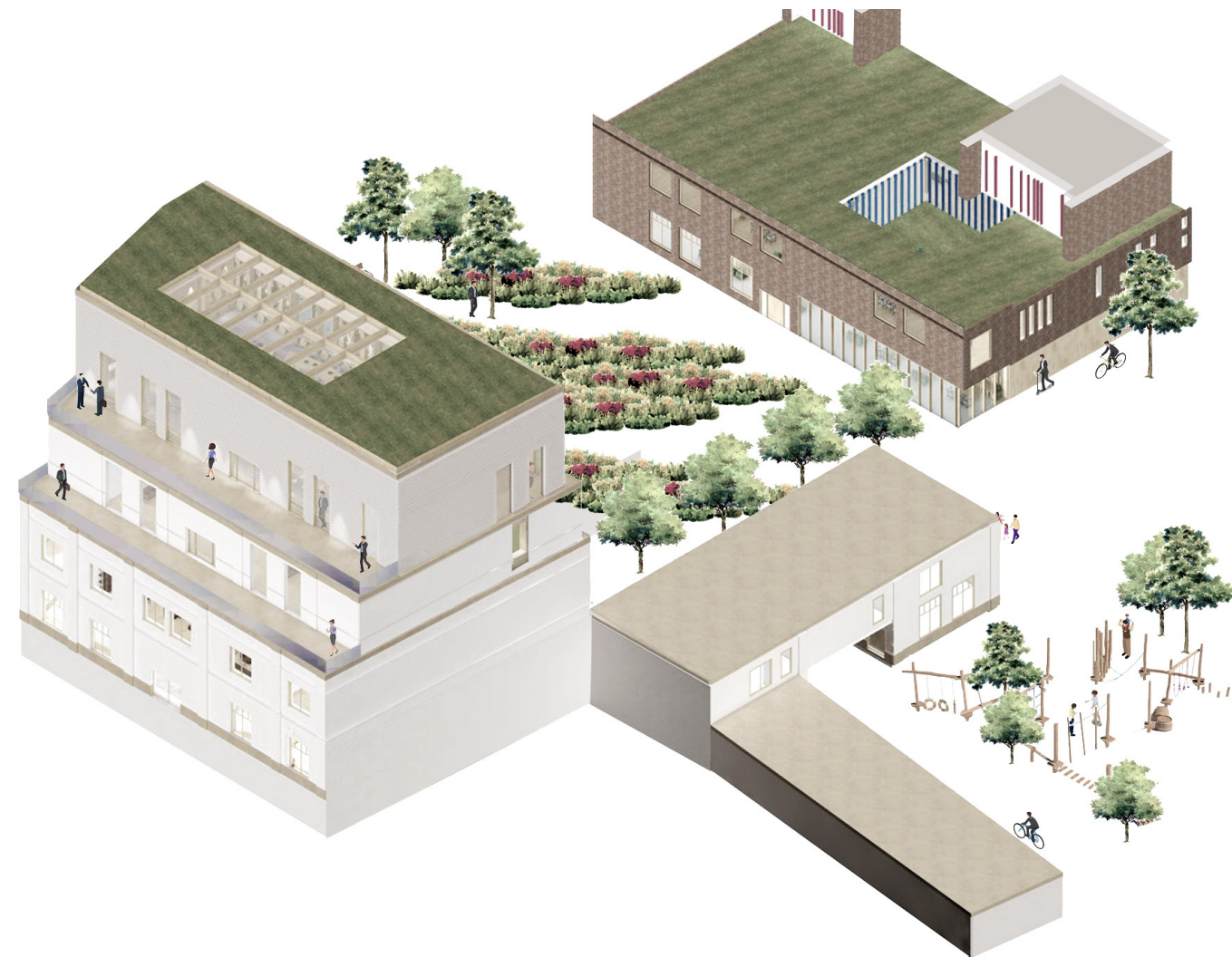
Break-out room

Open workplace

Entrance hall

City's café

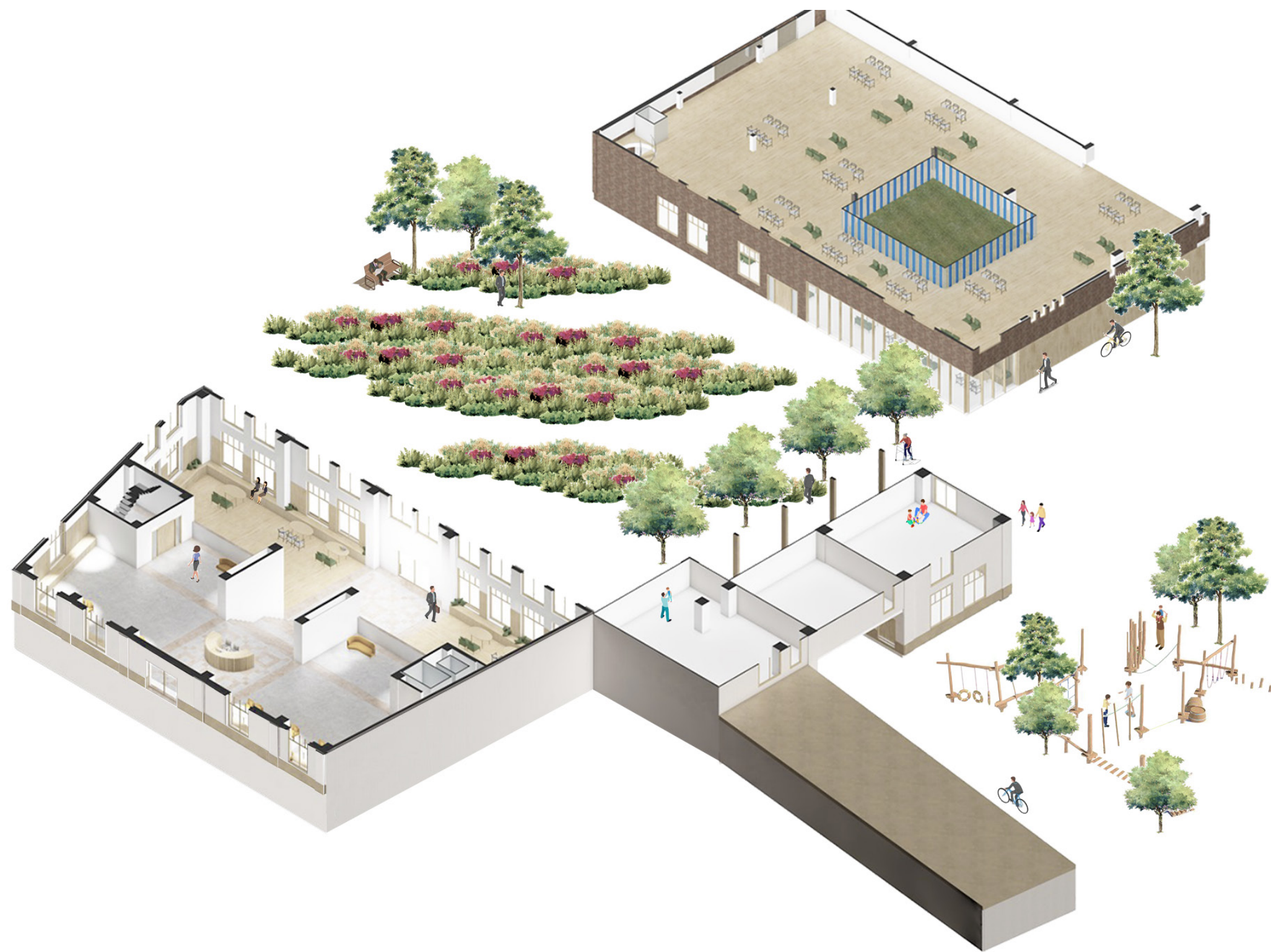




Proposal, perspective view



Souterrain, perspective view



Ground floor, perspective view



West Facade, 1.200



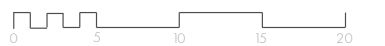


Entrance hall, impression





North Facade, 1.200



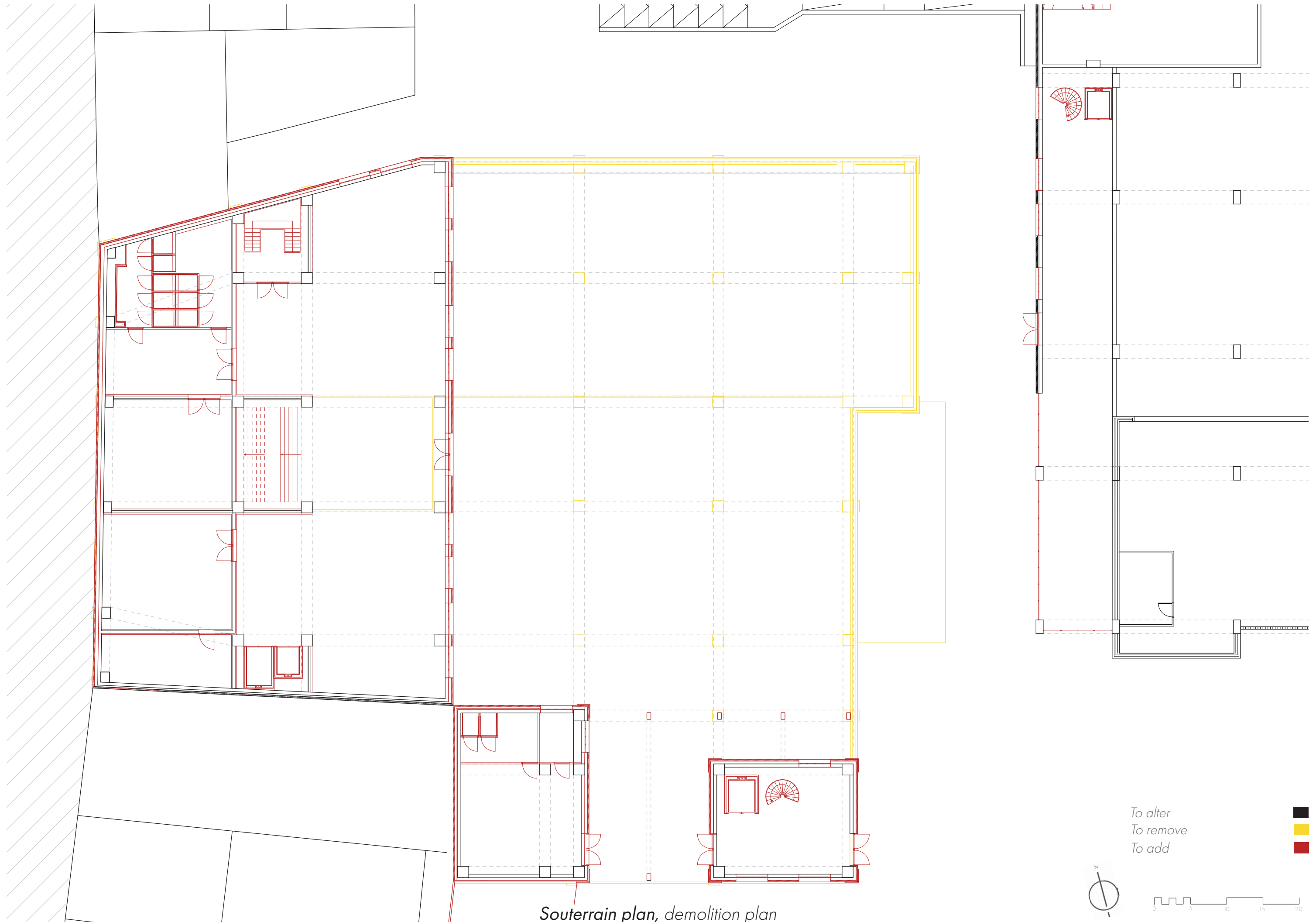


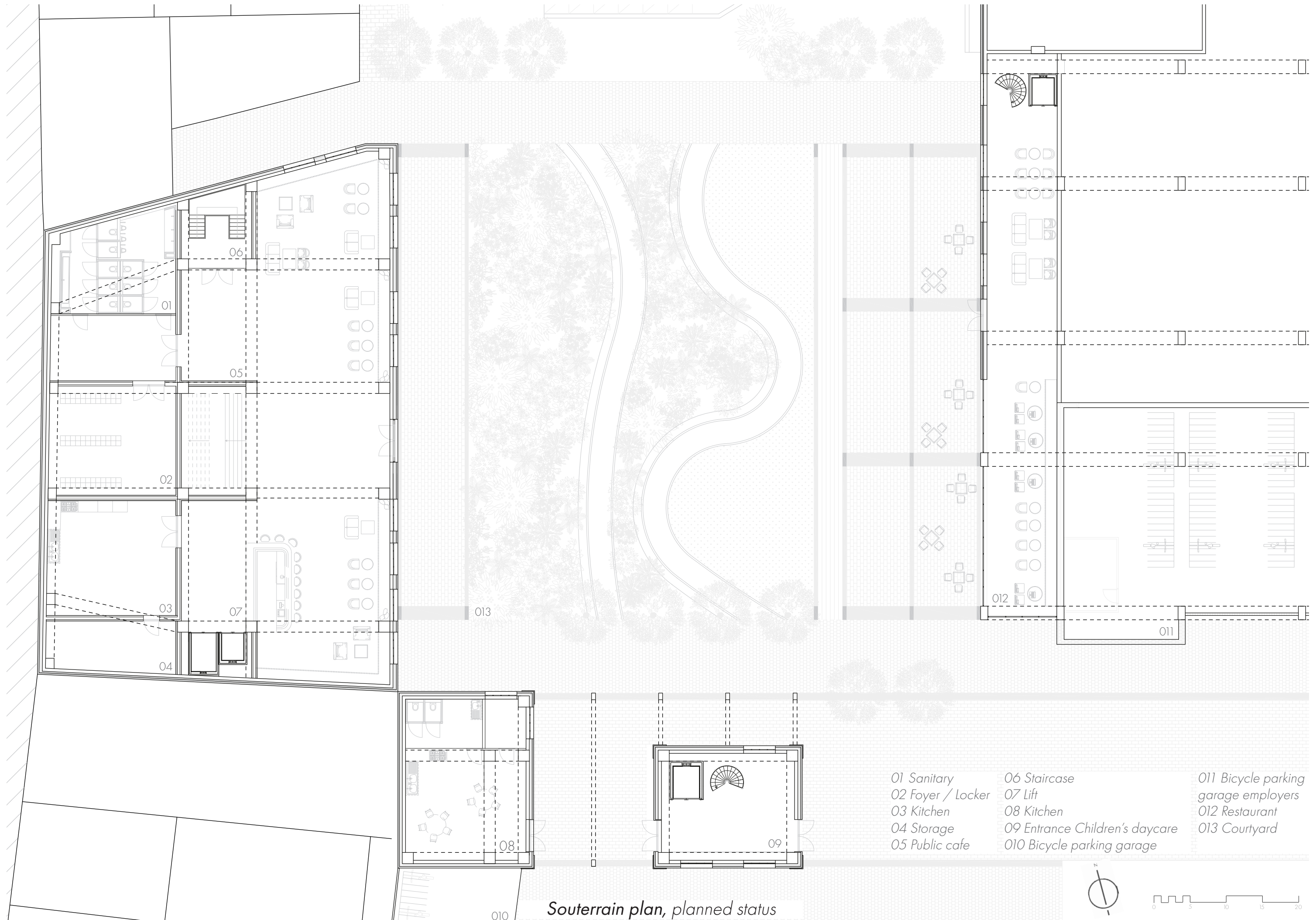
East Facade, 1.200





Public hall, impression





Souterrain plan, planned status

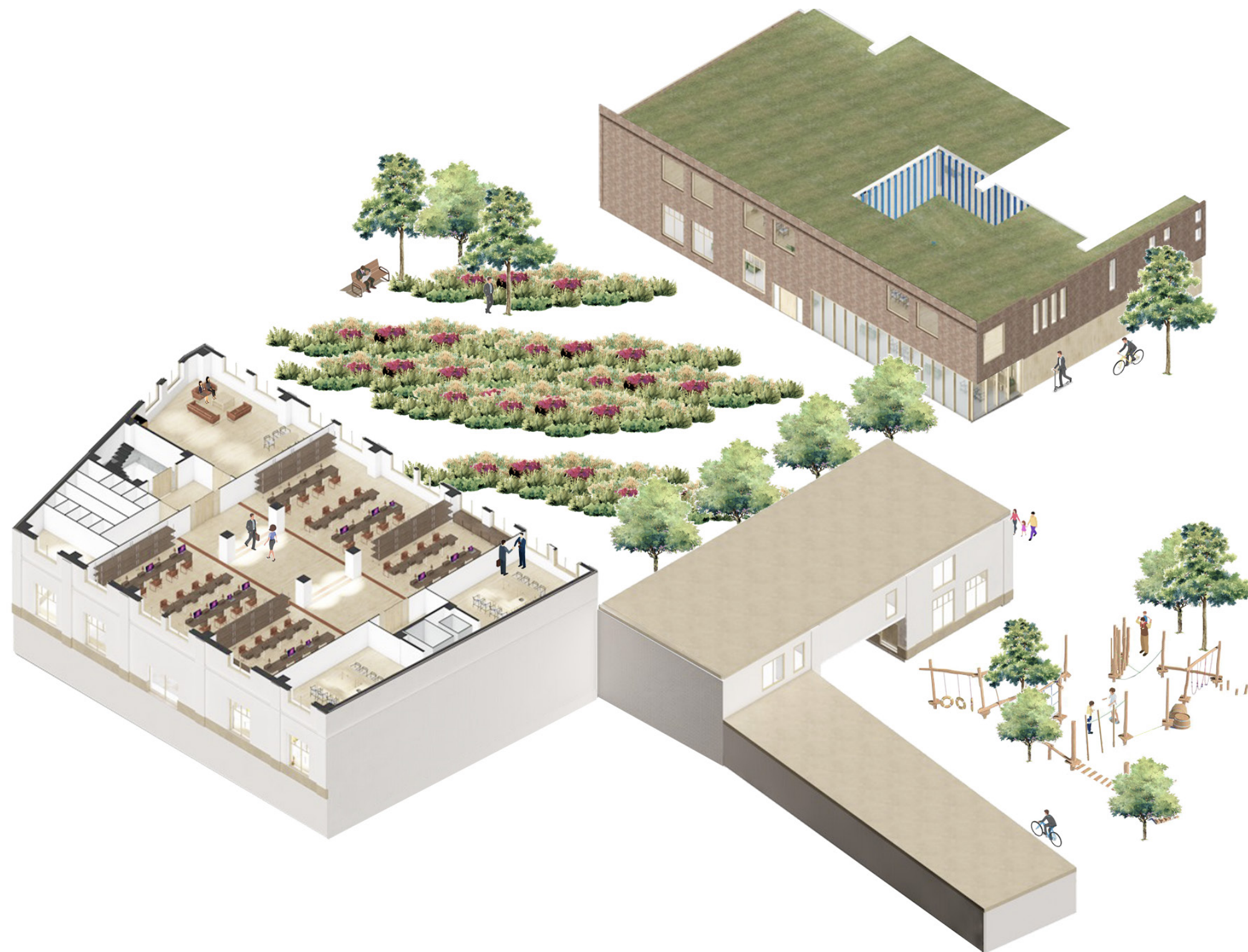


South Facade, 1.200





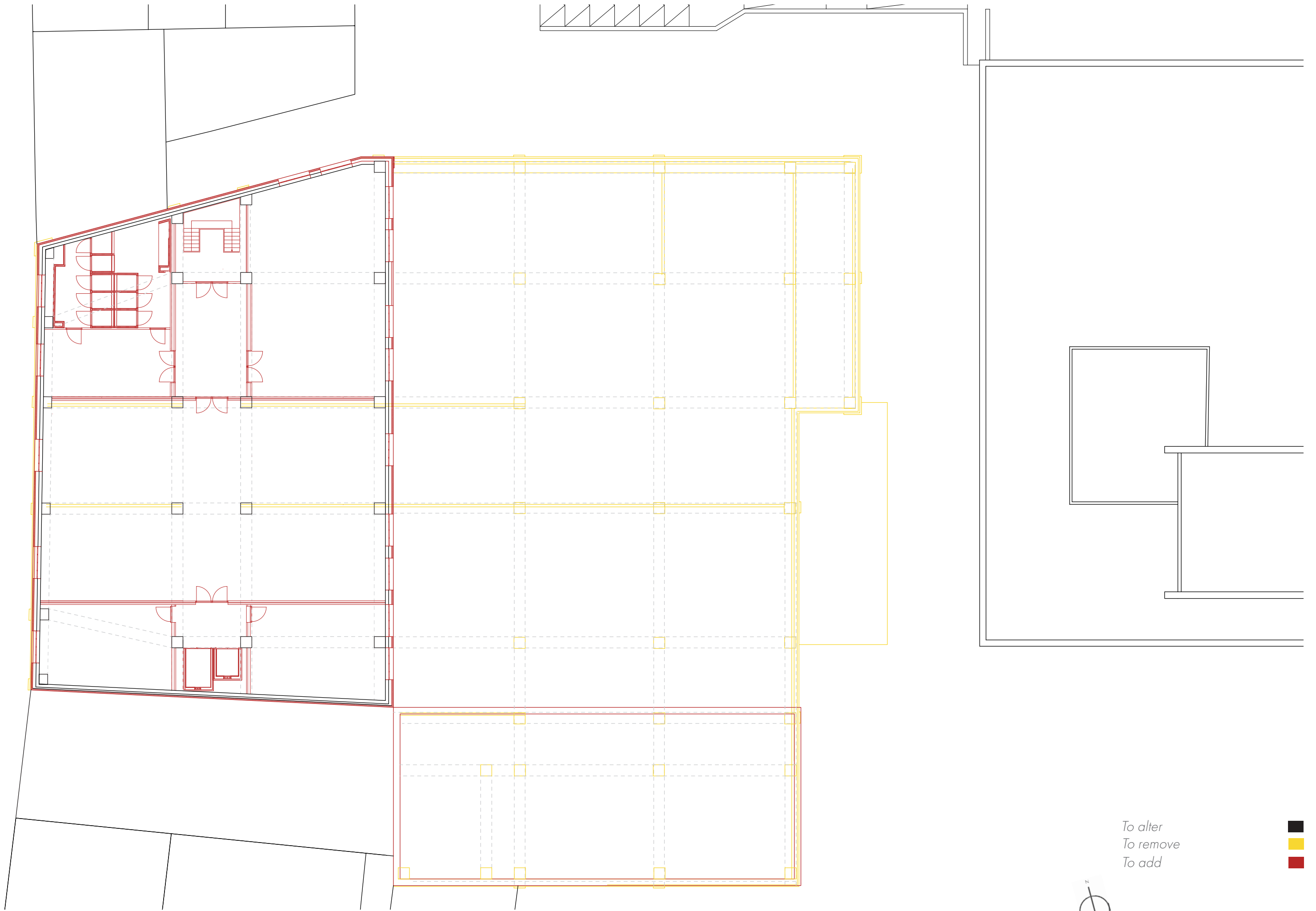
Courtyard, impression



First floor, perspective view



Work place, impression



First floor plan, demolition plan





Second floor, perspective view

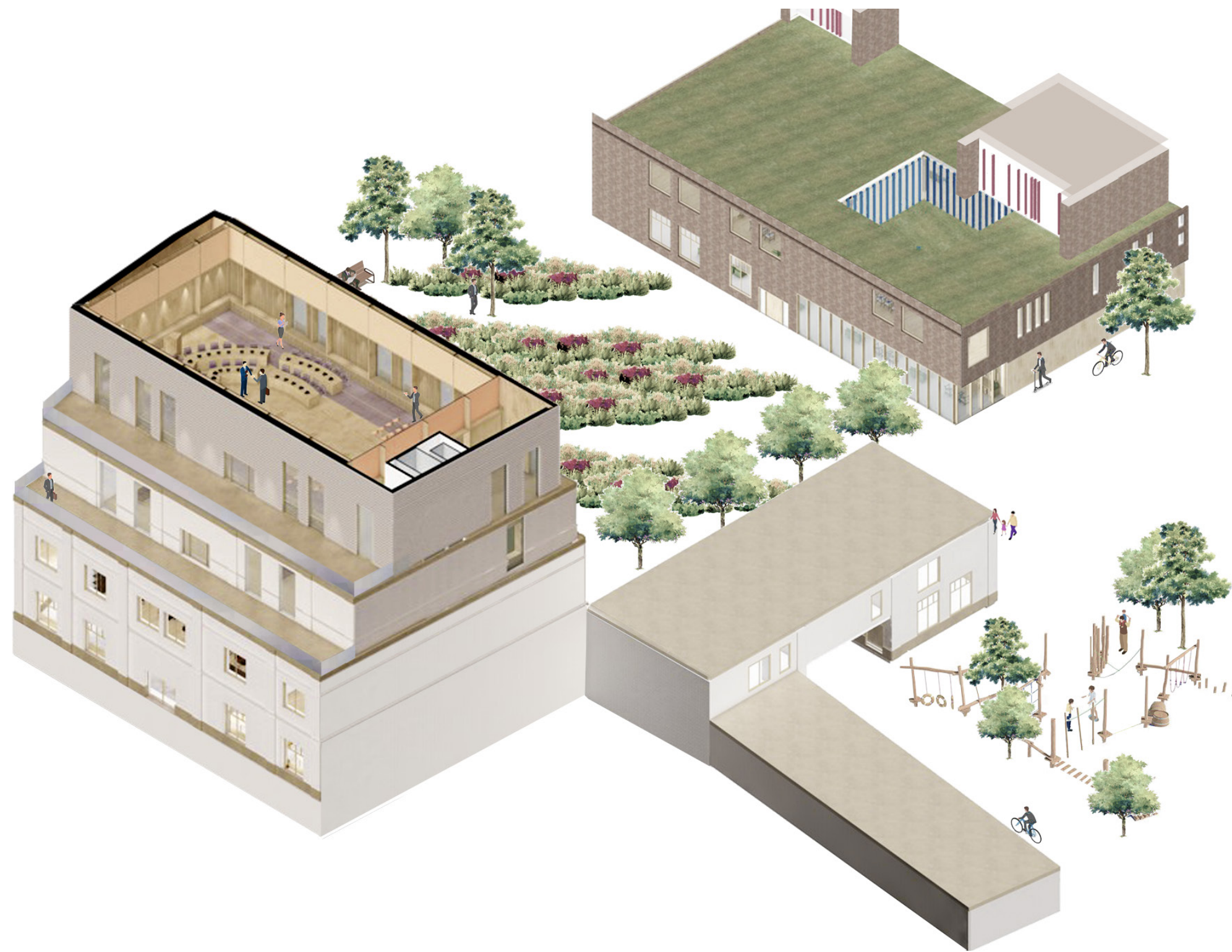


Wedding hall, impression

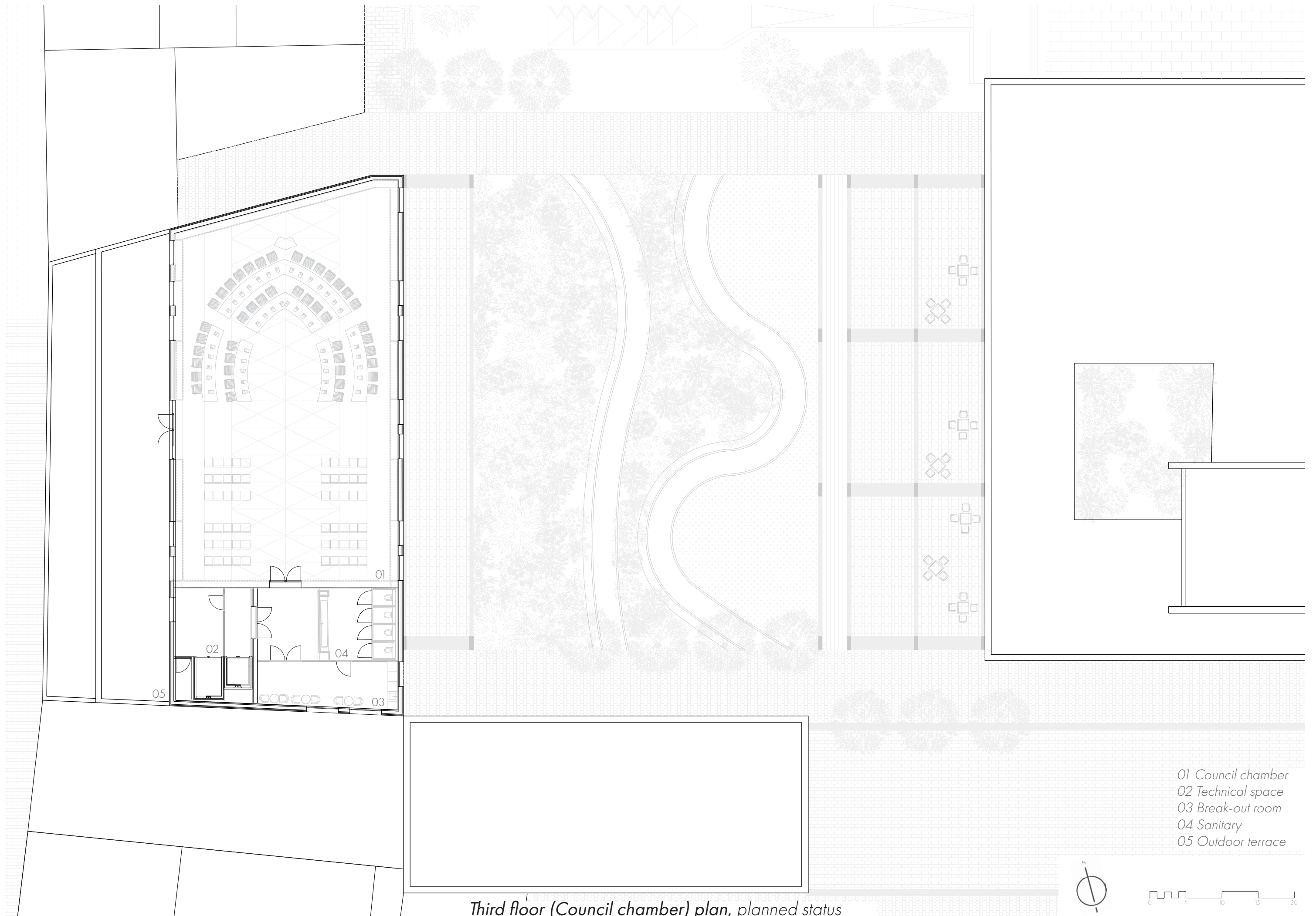


Second floor plan, planned status

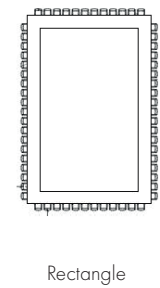
- 01 Sanitary
- 02 Foyer / Locker
- 03 Facility corner
- 04 Wedding hall
- 05 Conference hall



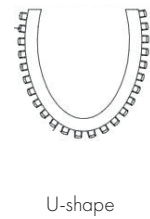
Third floor (Council chamber), perspective view



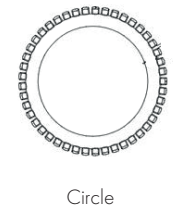
Conference set-up, 1890



Conference set-up, 1978

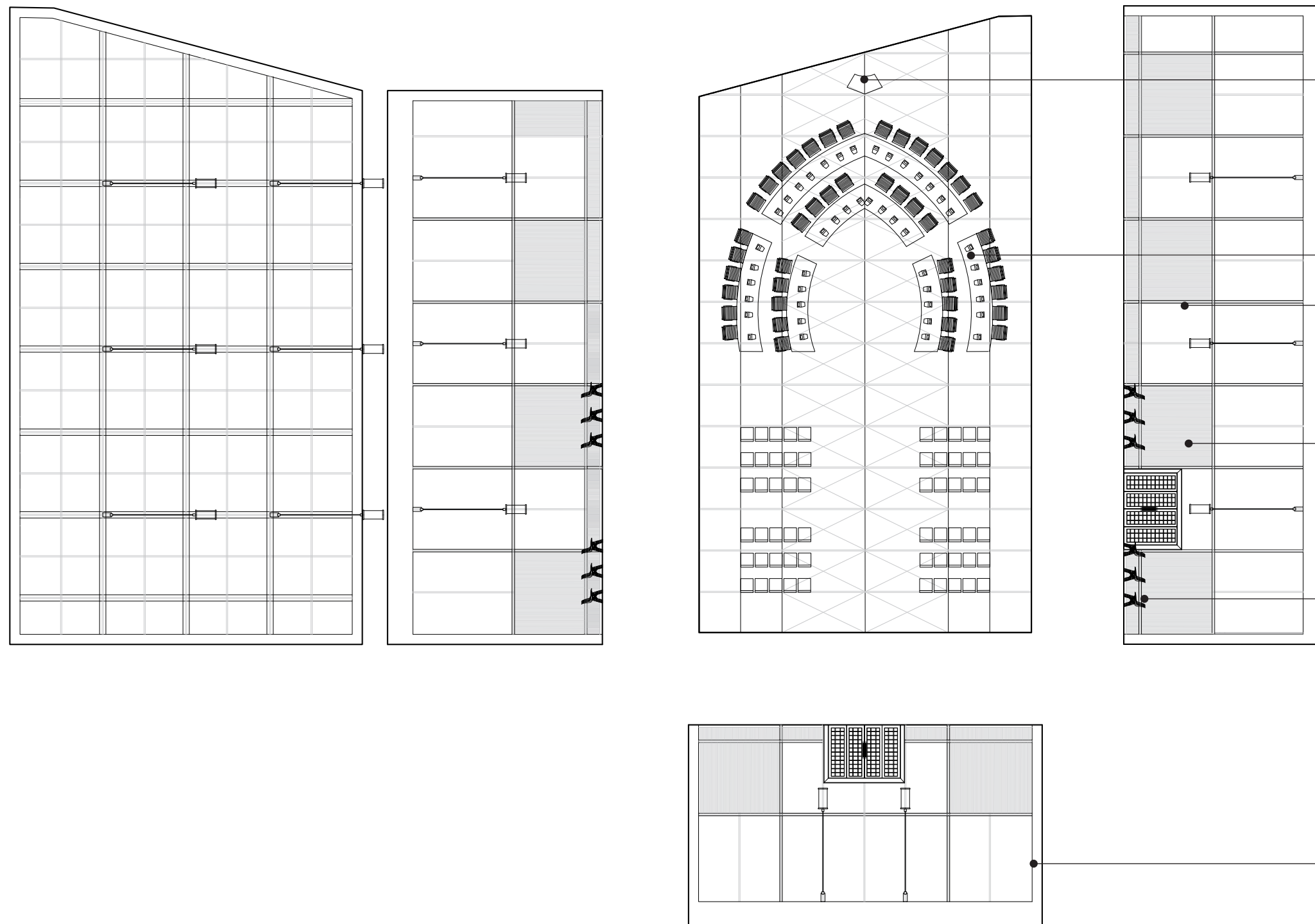


Conference set-up, Current situation



Form / Shape	Equality Dualisme	The visibility of the visitors for the councils and vice versa	Sightline Ability to see eachother	Routing through the space
 Circle				
 Rectangle				
 Linear				
 Oval				
 U-shape				

Council chamber, conference set-up



Chairman seat

Table top Conference system
Enables audio and video
conferencing
brand - Crestron Electronics Inc.
CCS-UC-1 - Mercury™ Tabletop

Acoustic comfort - Lignotrend

Storage space in wall element

Stackable chairs
Public

Lightning inside the wall element

Council chamber, interior



Council chamber, impression

00 Site

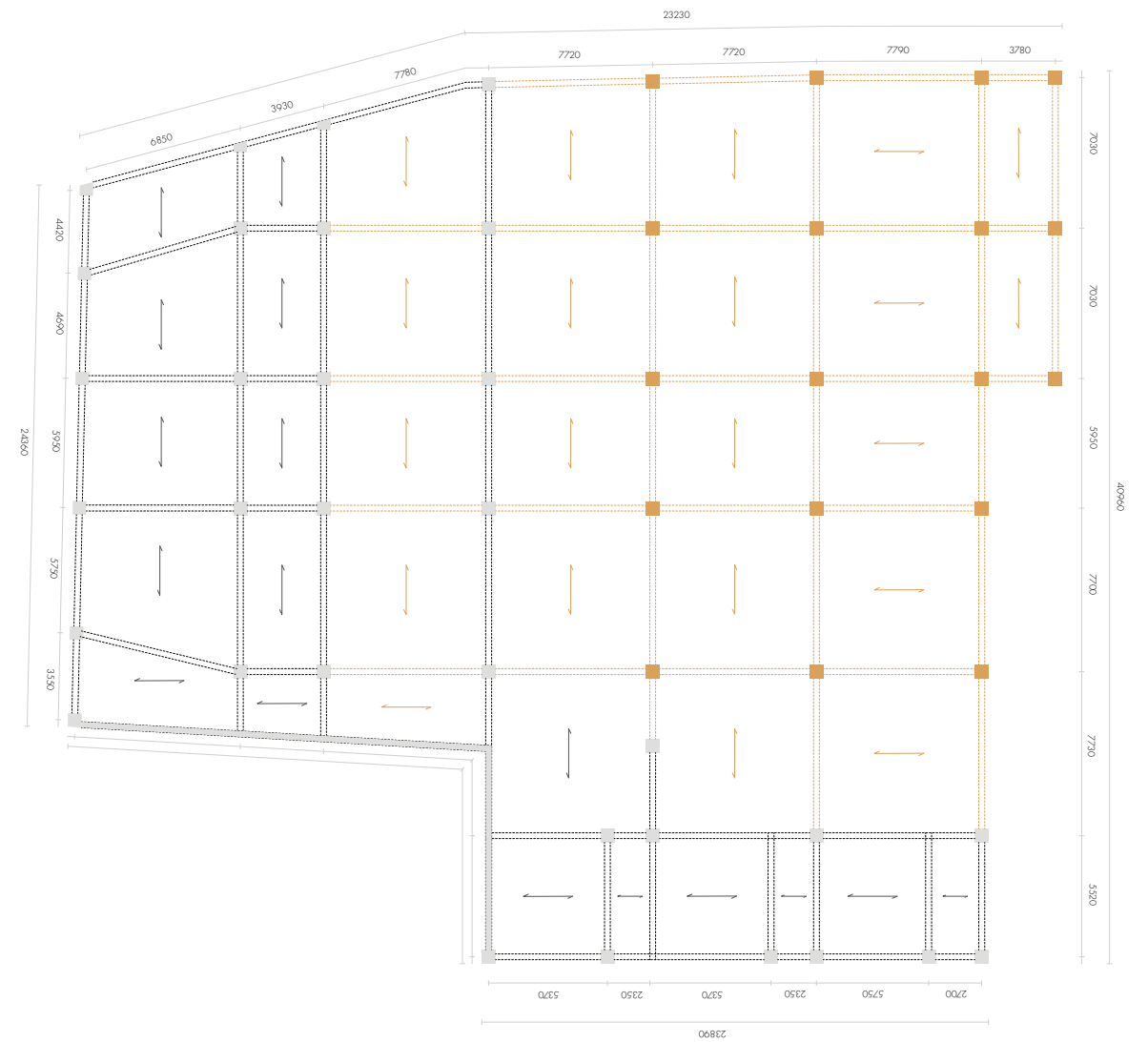
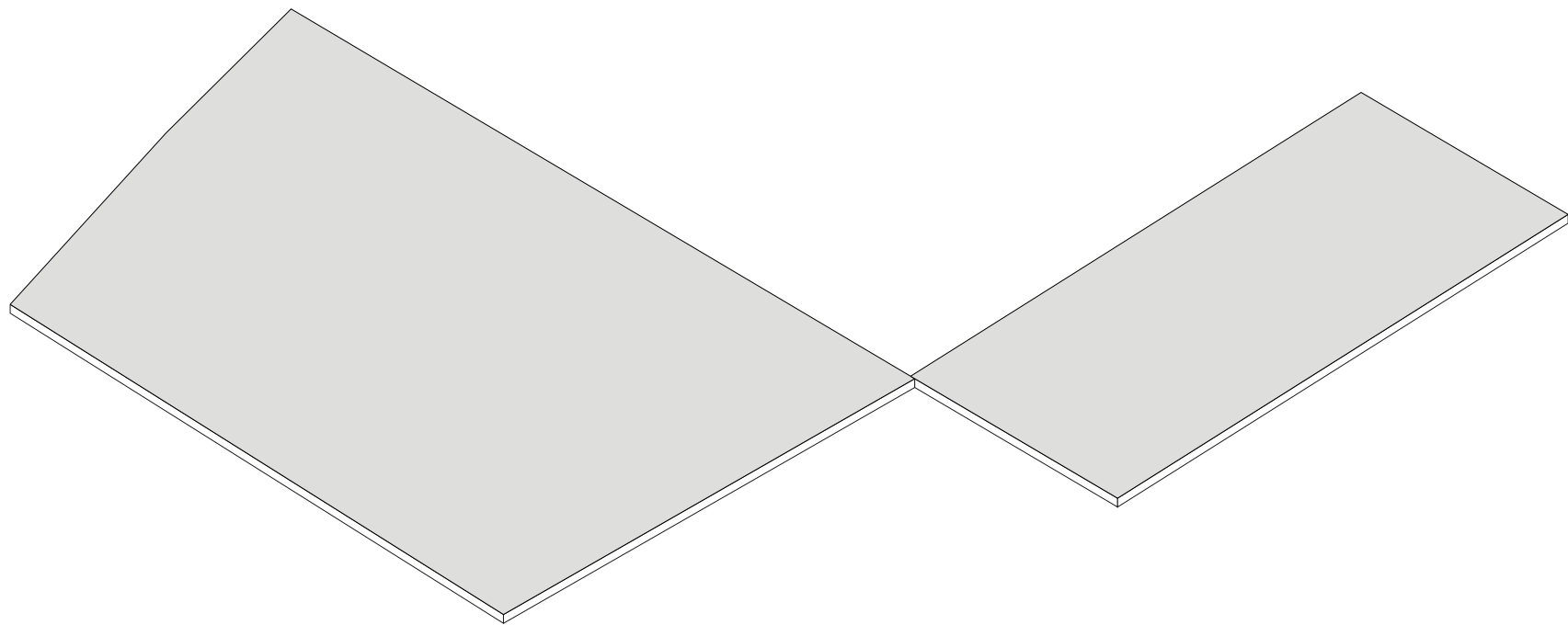
01 Research

02 Strategy

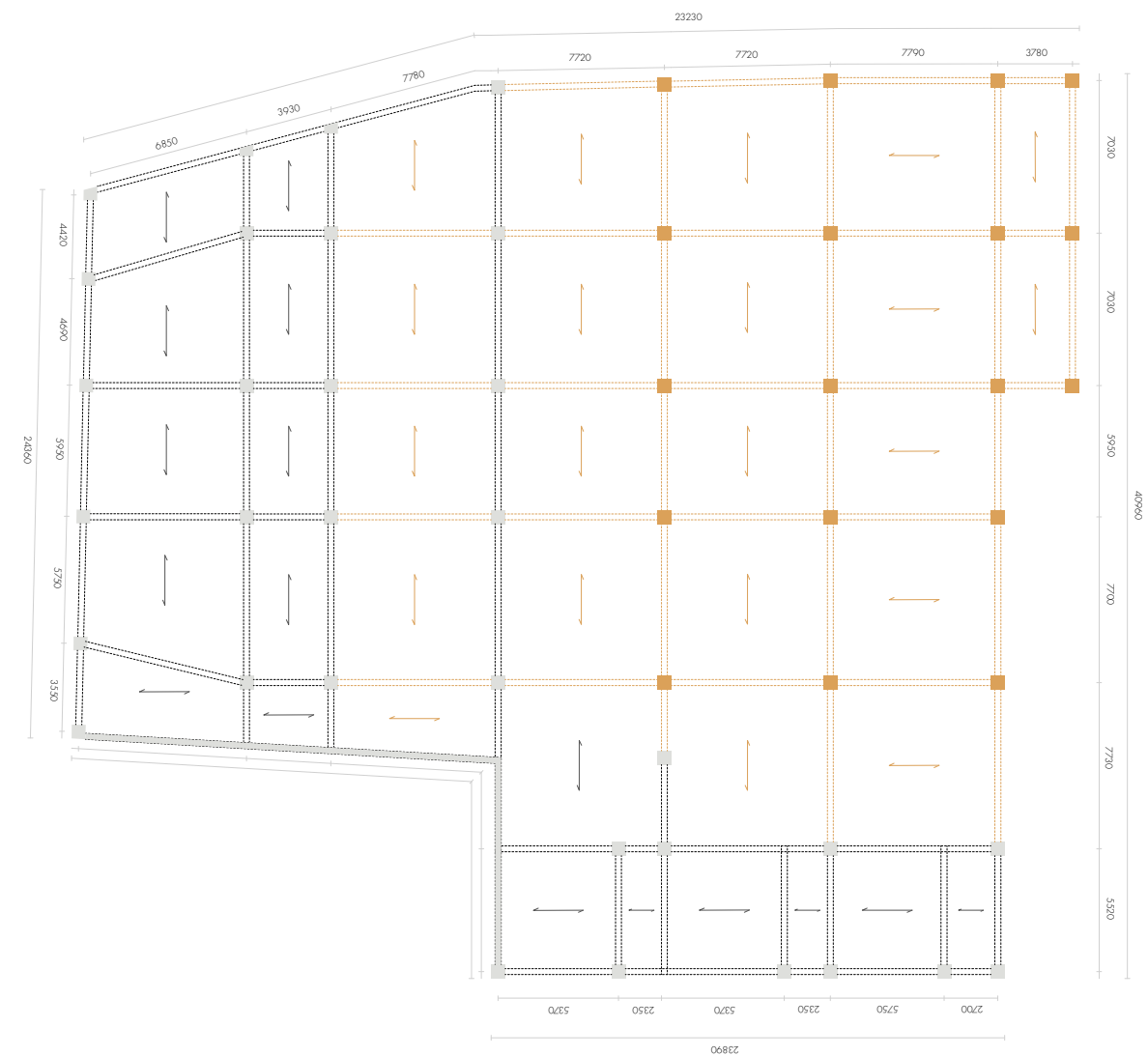
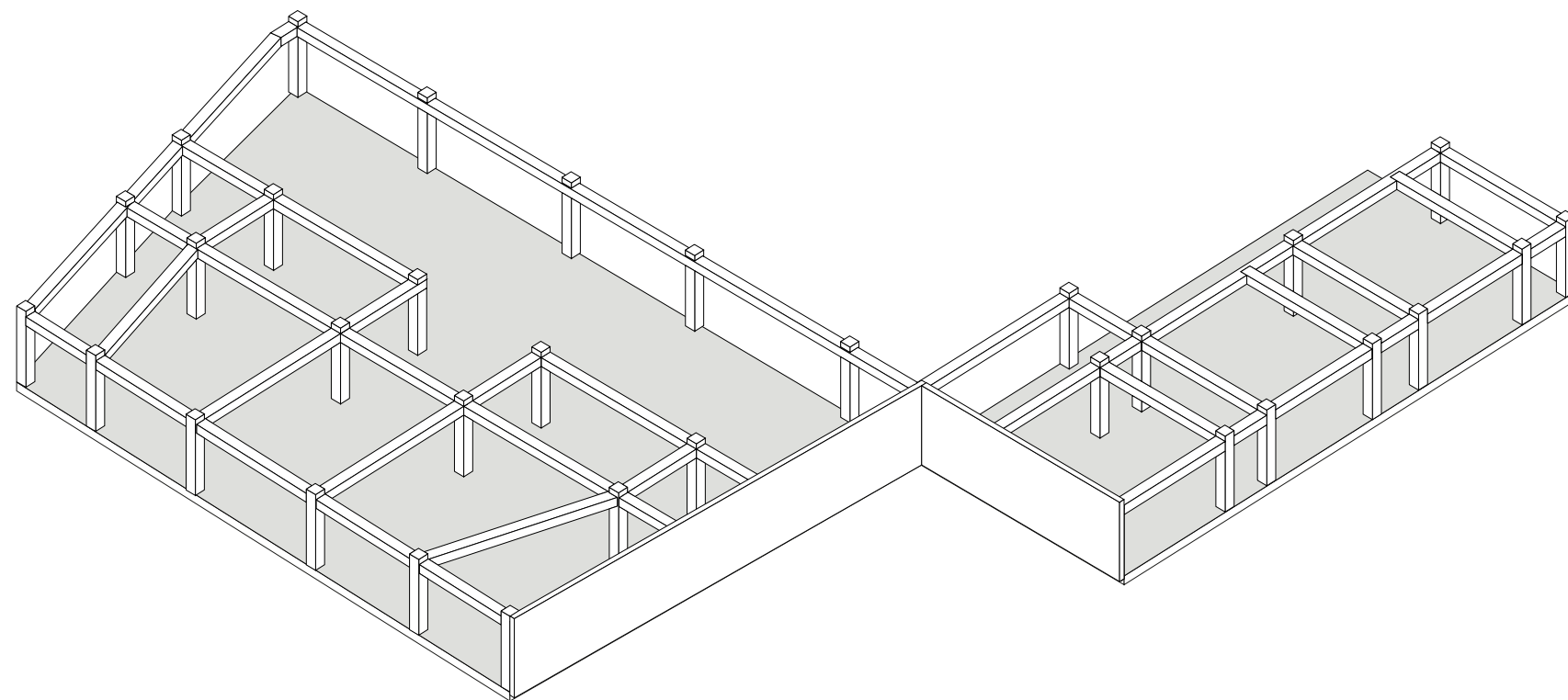
03 The proposal

04 Building engineering

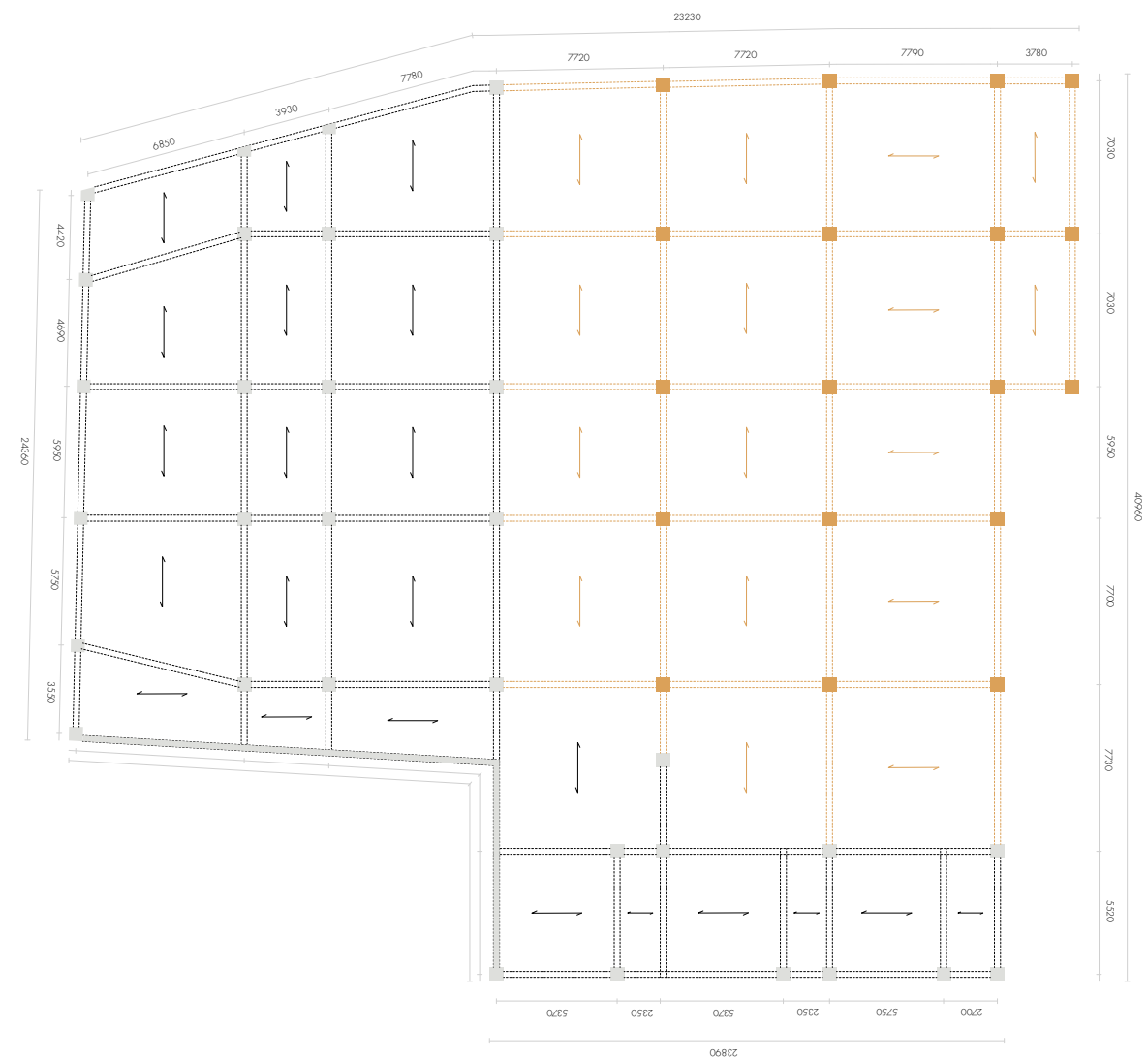
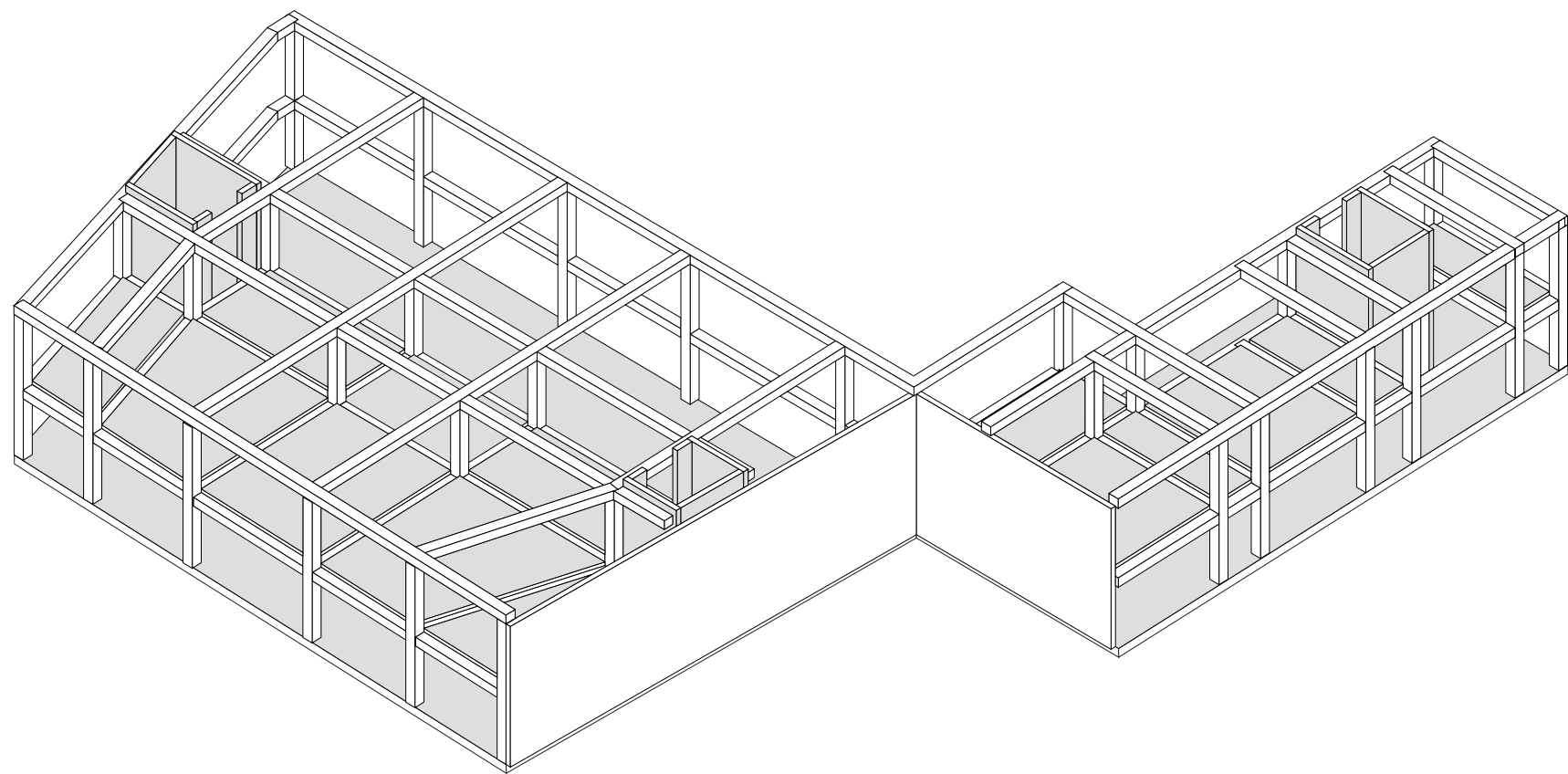
05 End



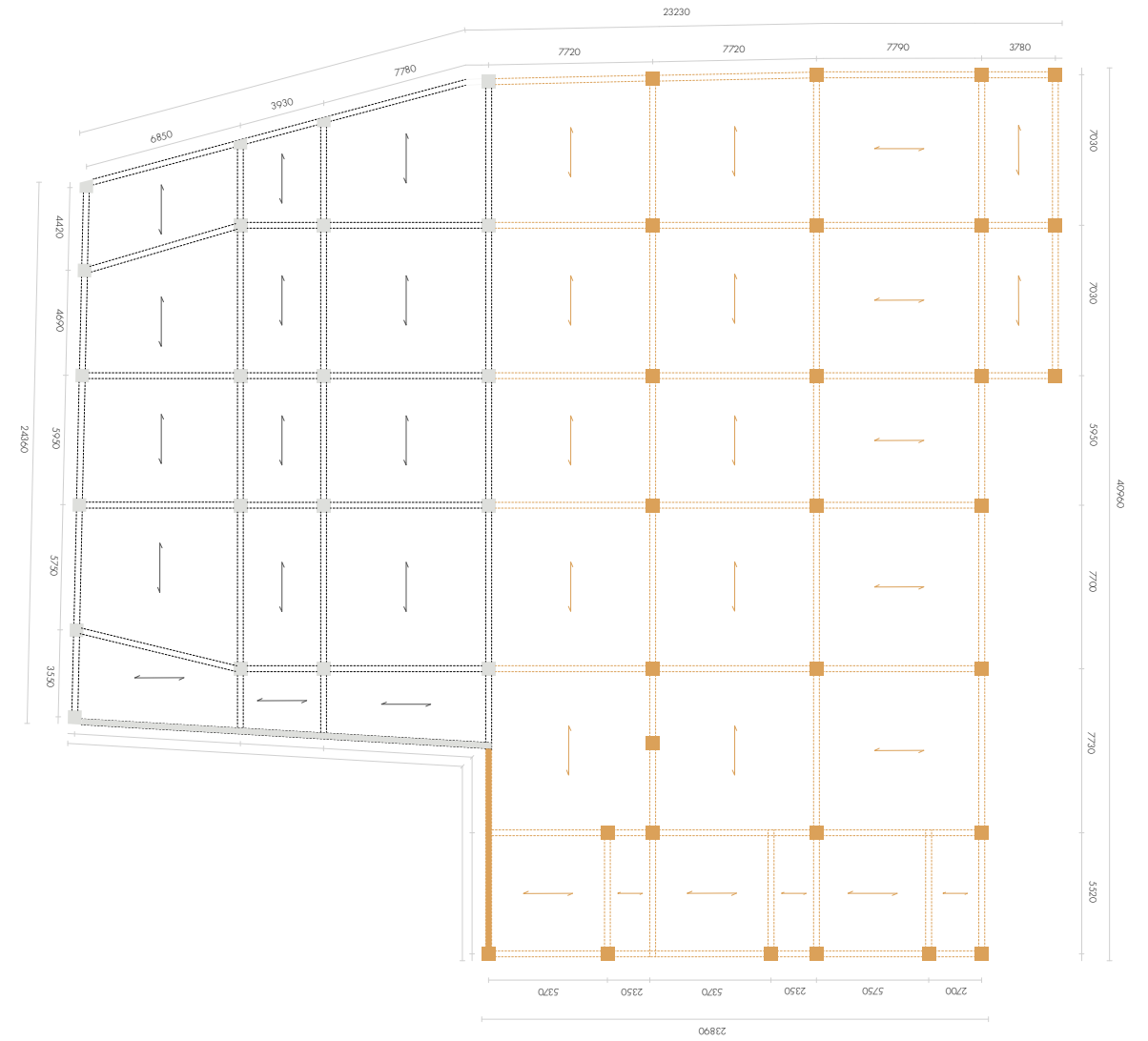
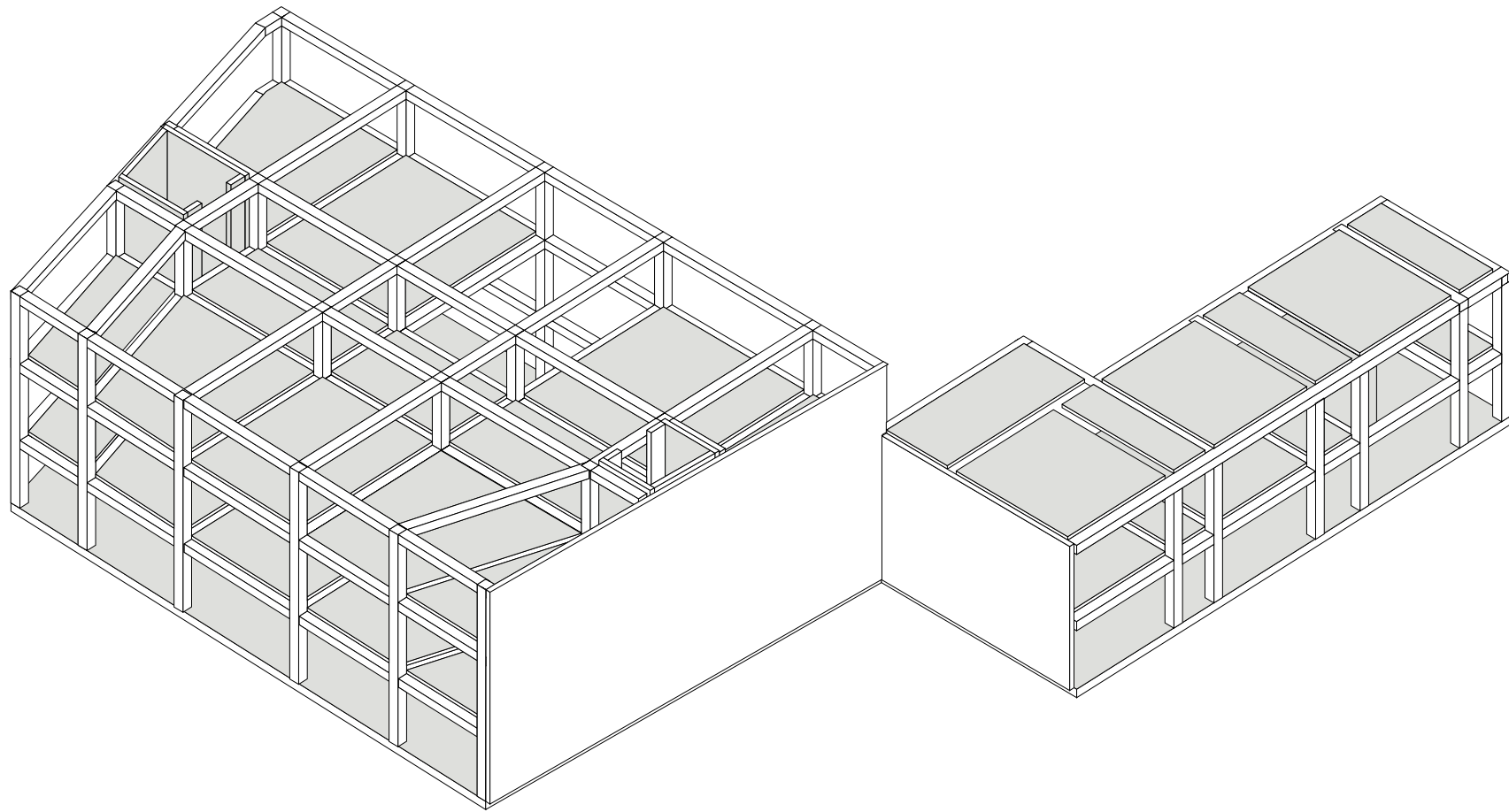
Structure and stability, souterrain



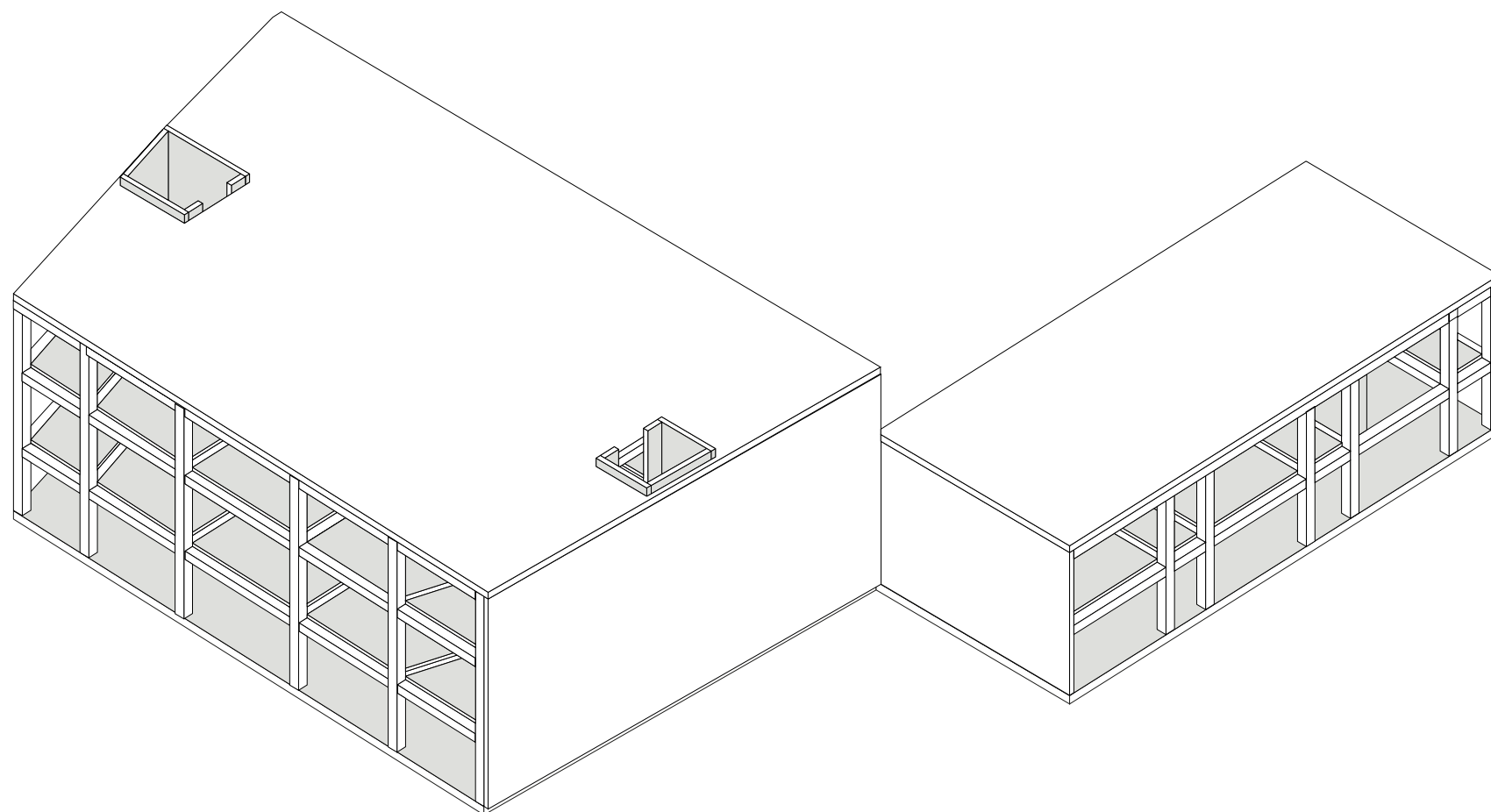
Structure and stability, souterrain



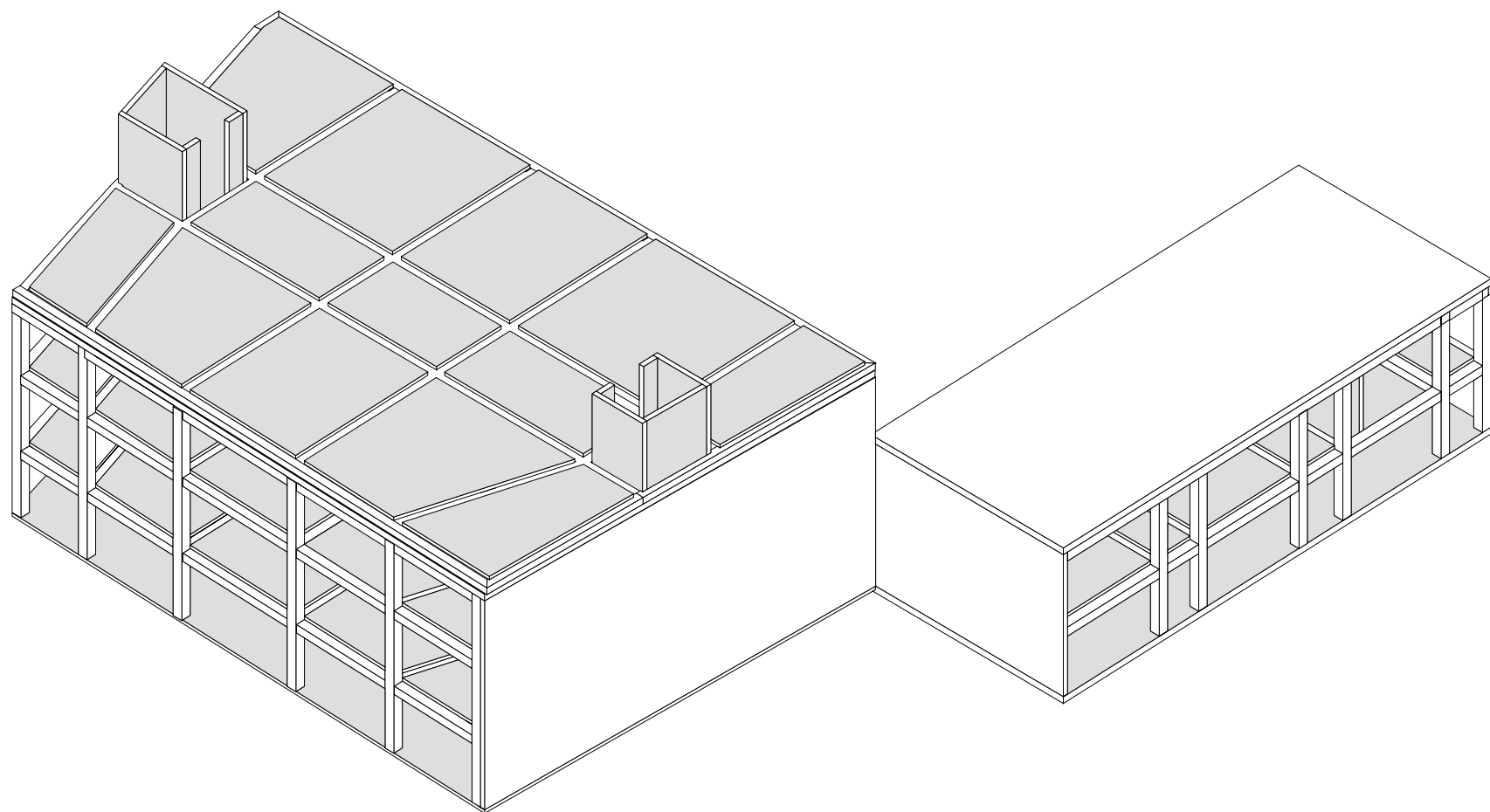
Structure and stability, ground floor



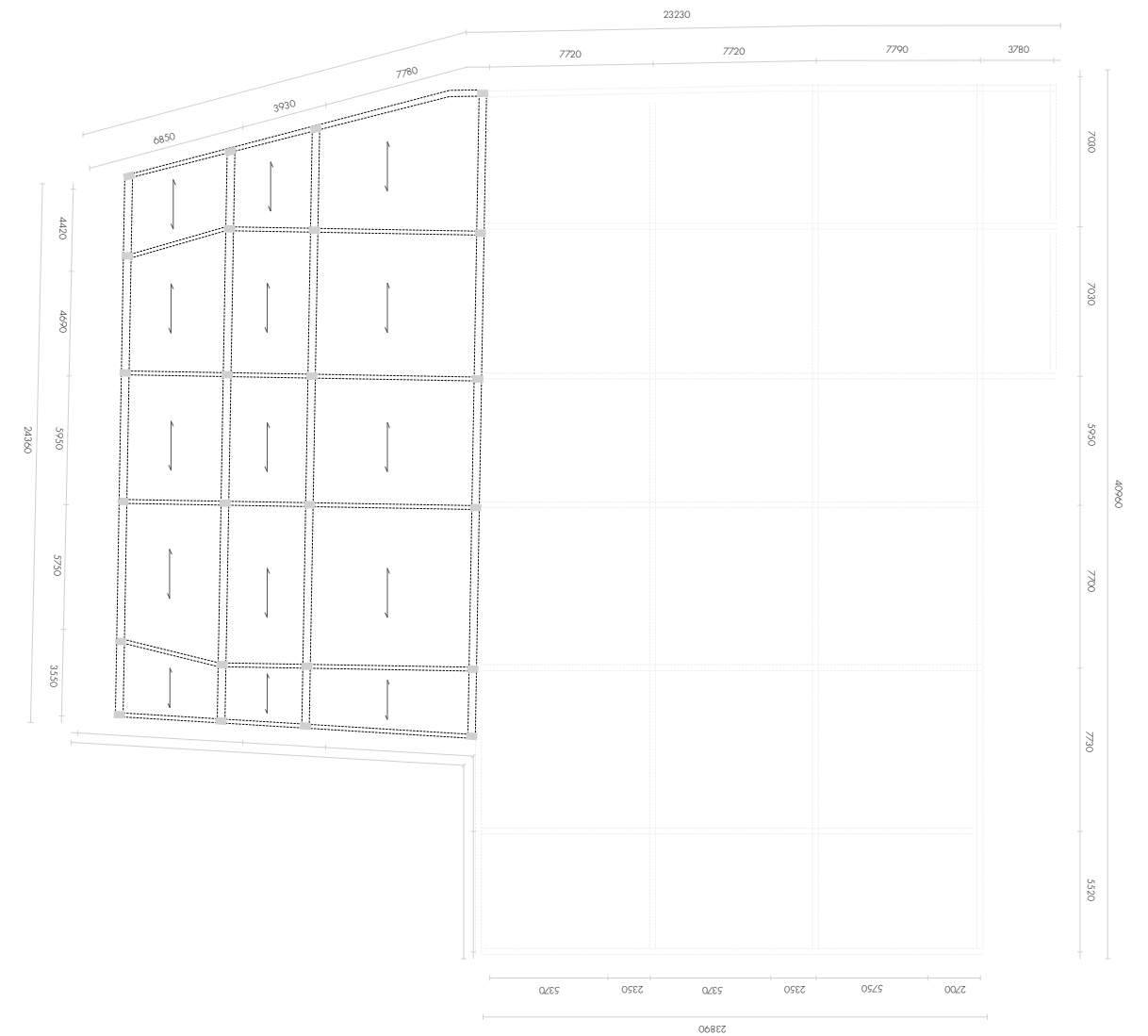
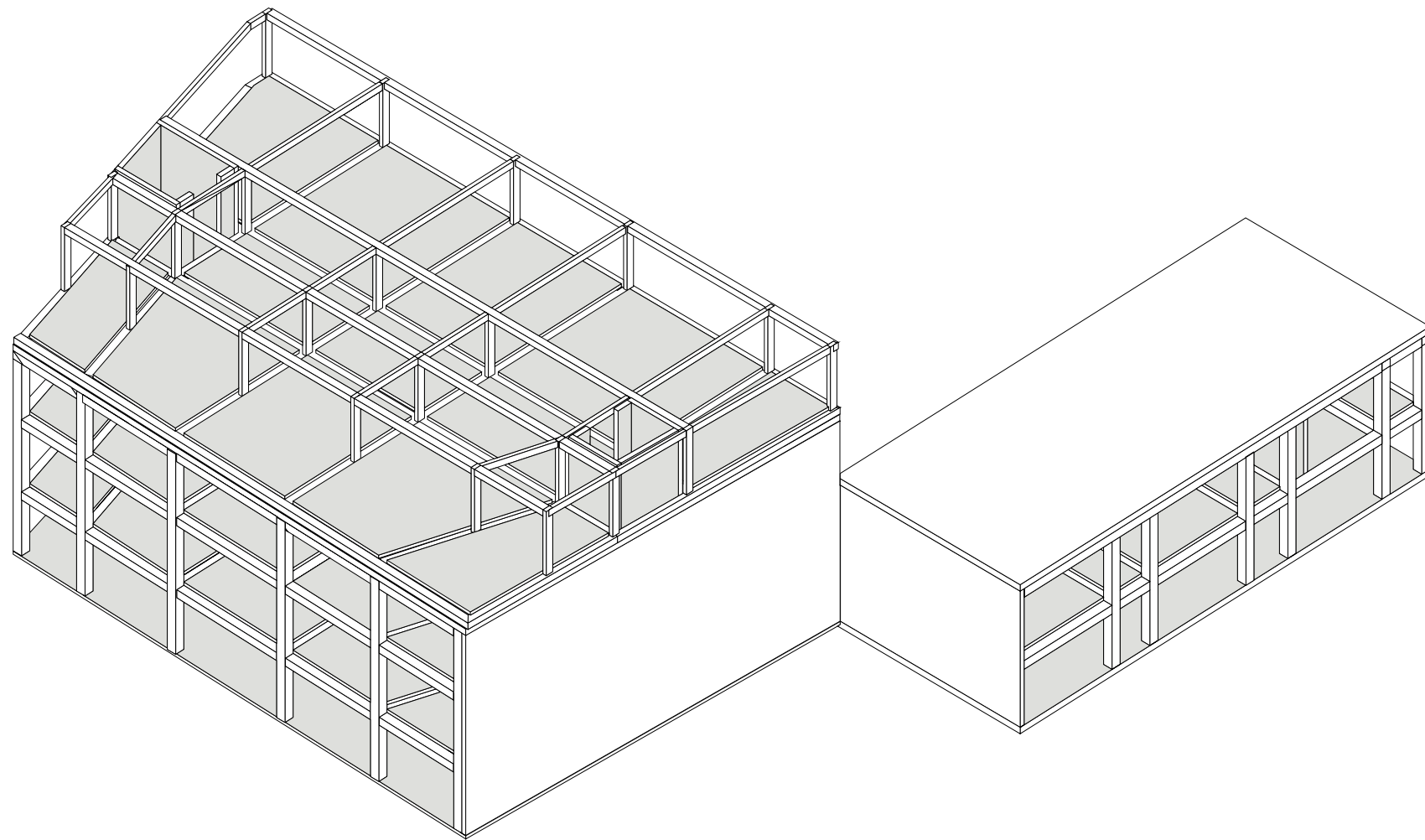
Structure and stability, ground floor



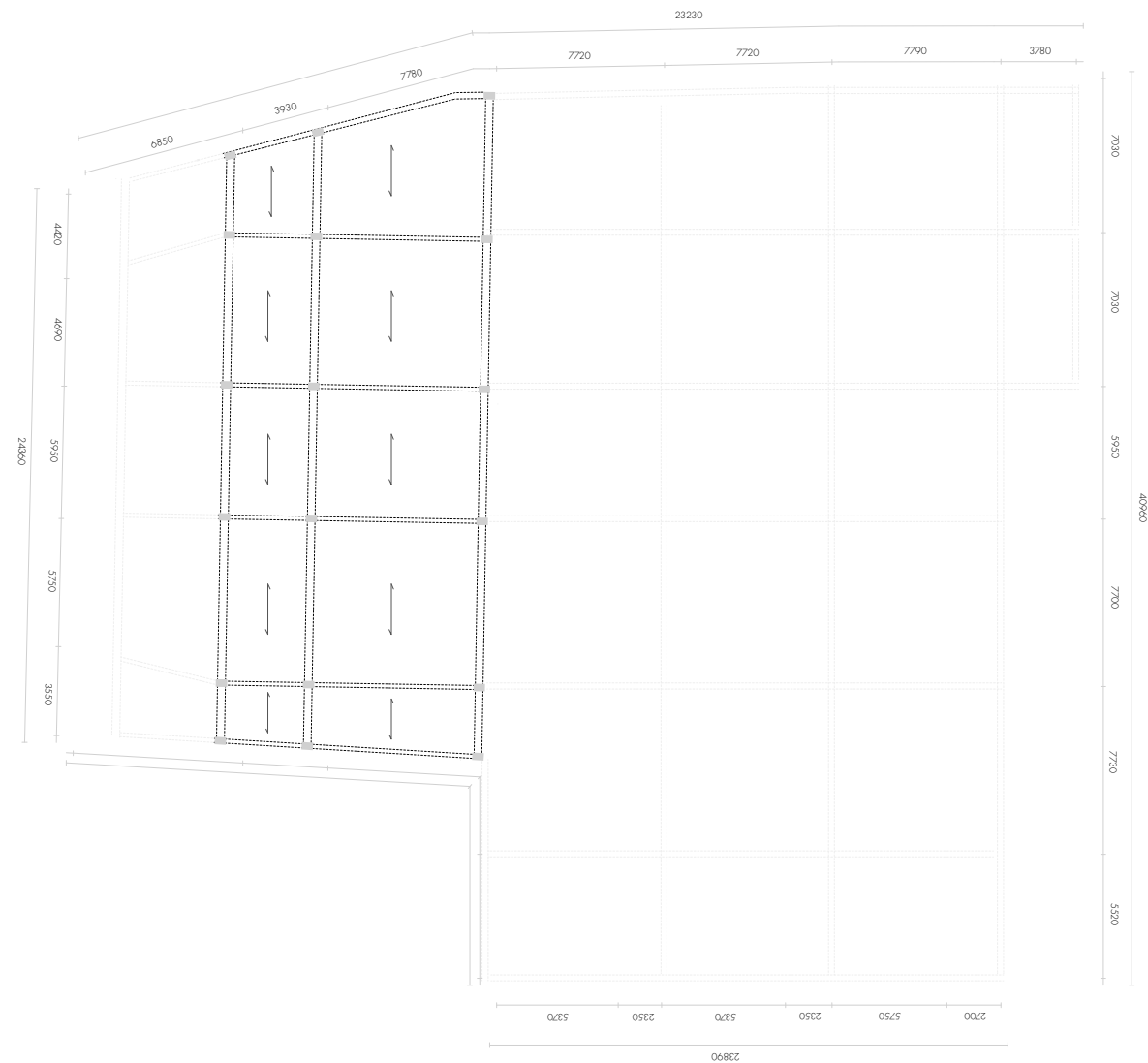
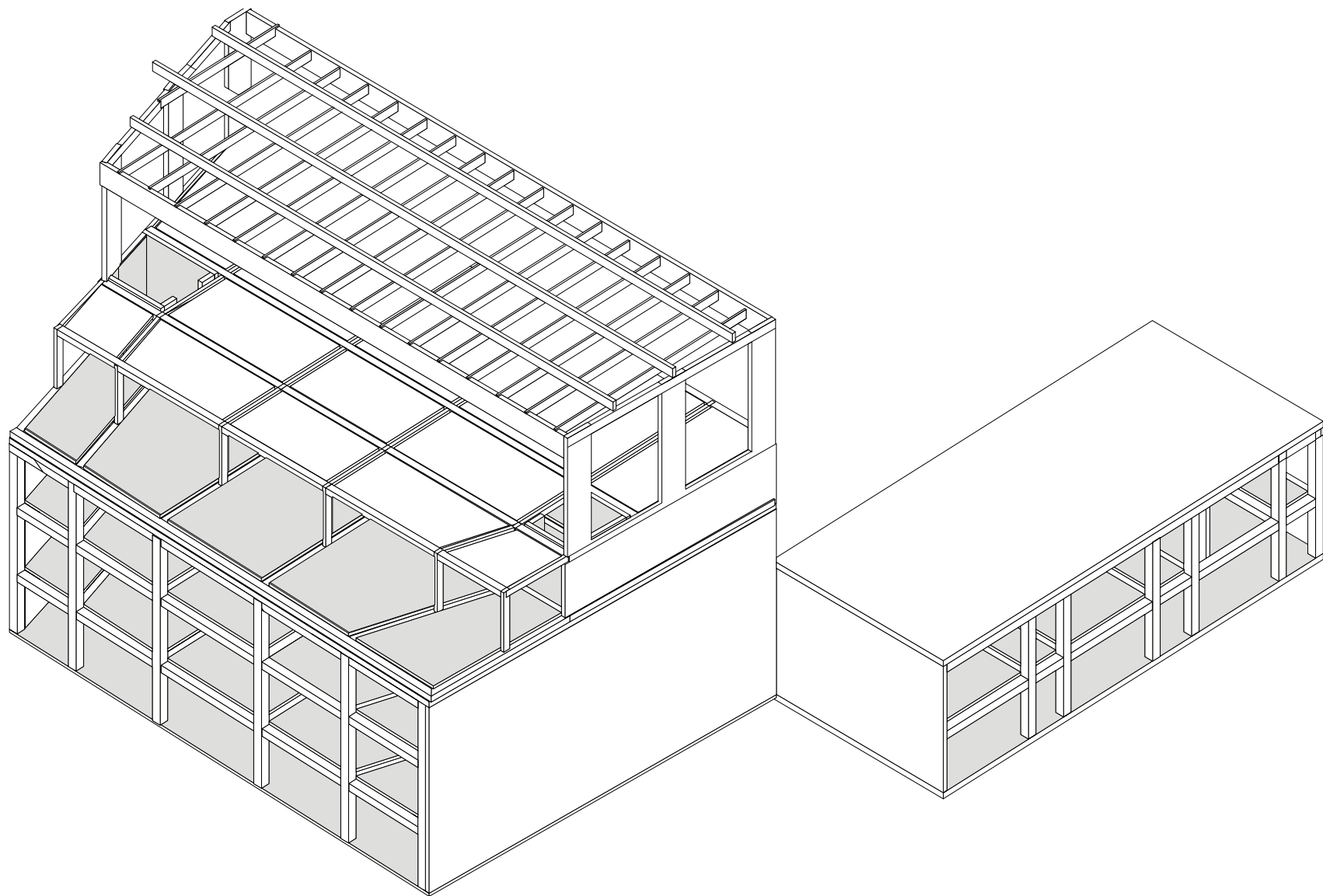
Structure and stability, first floor



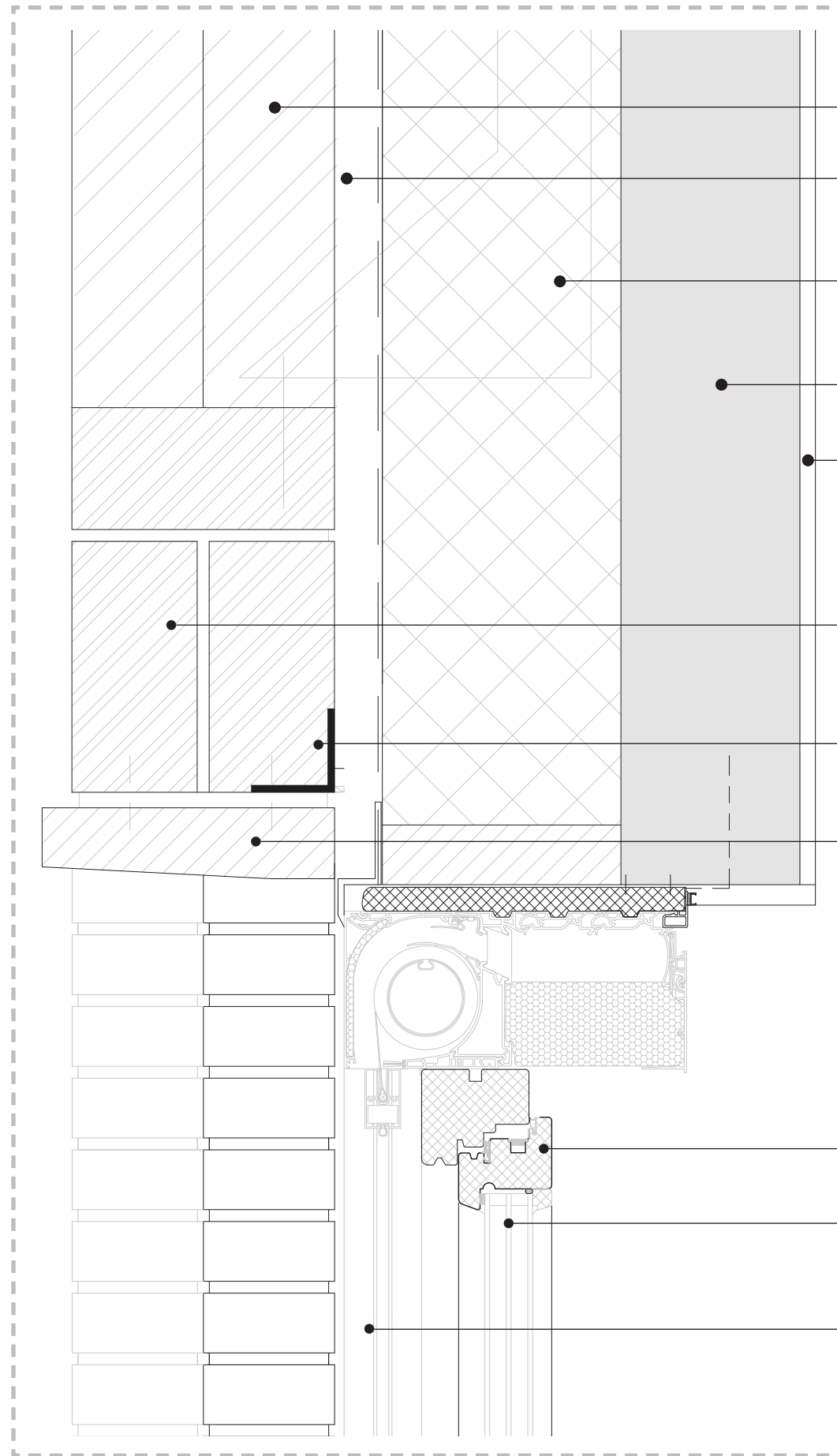
Structure and stability, first floor



Structure and stability, second floor



Structure and stability, third floor



Wall element

Wienerberger Brick C2C Certified
Waalformaat (210x105x50)
/ Setback variance of one brick size
210mm

Air cavity / Waterproof layer included
40mm

Thermal Insulation - BioFoam
Including a vapour barrier - 1mm
200mm

Existing structural wall
In-Situ Concrete
150mm

Finish / Internal plastering
12,5mm

Wall element

Brick beam made out of solid masonry
210x105

Mounting frame

Limestone window sill
continues under the masonry piers
230mm

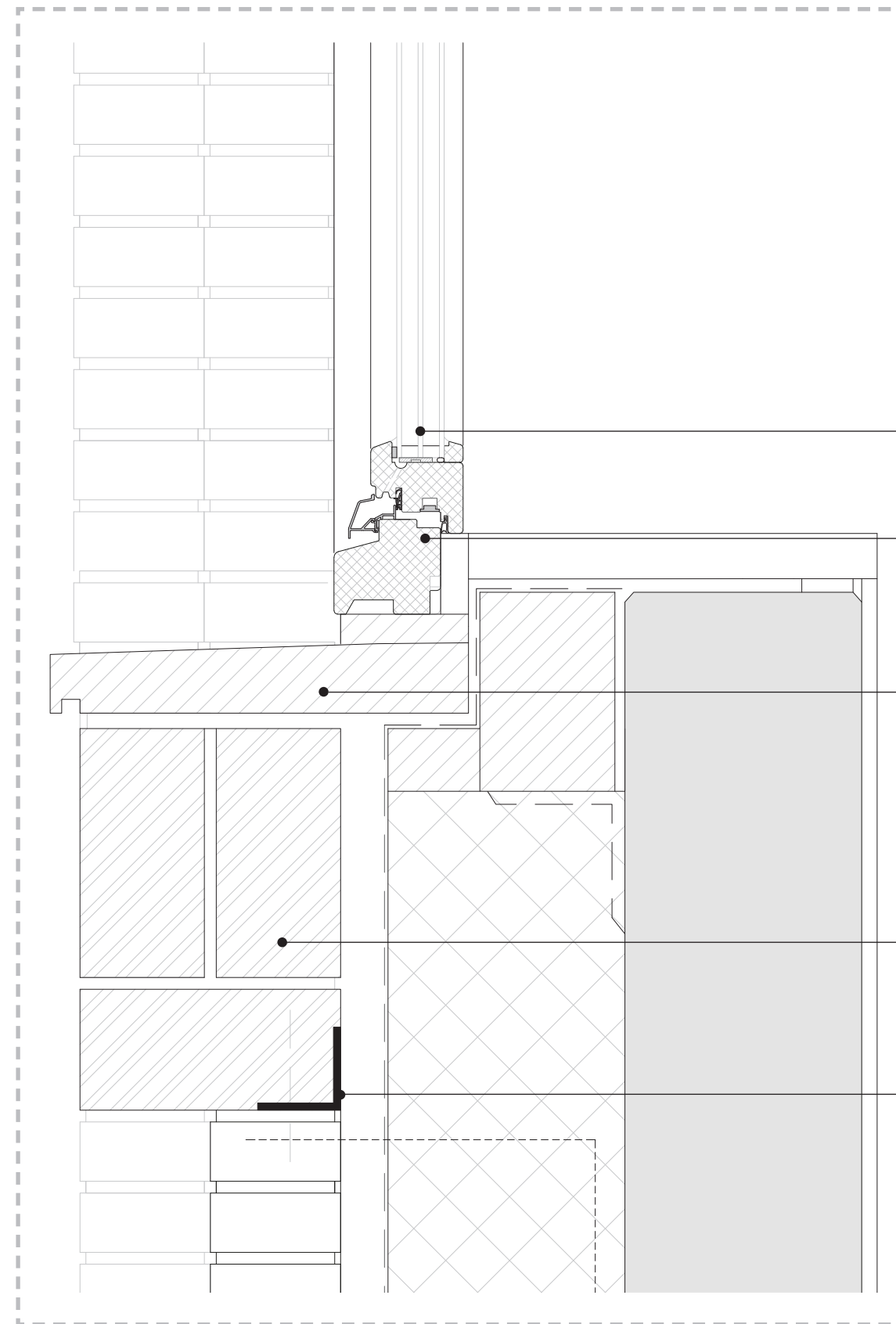
Window element

Accoya window frame - C2C Certified

Clear thermally insulated triple glazing
53mm

Fixvent
Integrated Ventilation
Integrated Sunscreen

Window element (Upperpart), Detail 1.5



Window element

Clear thermally insulated triple glazing
53mm

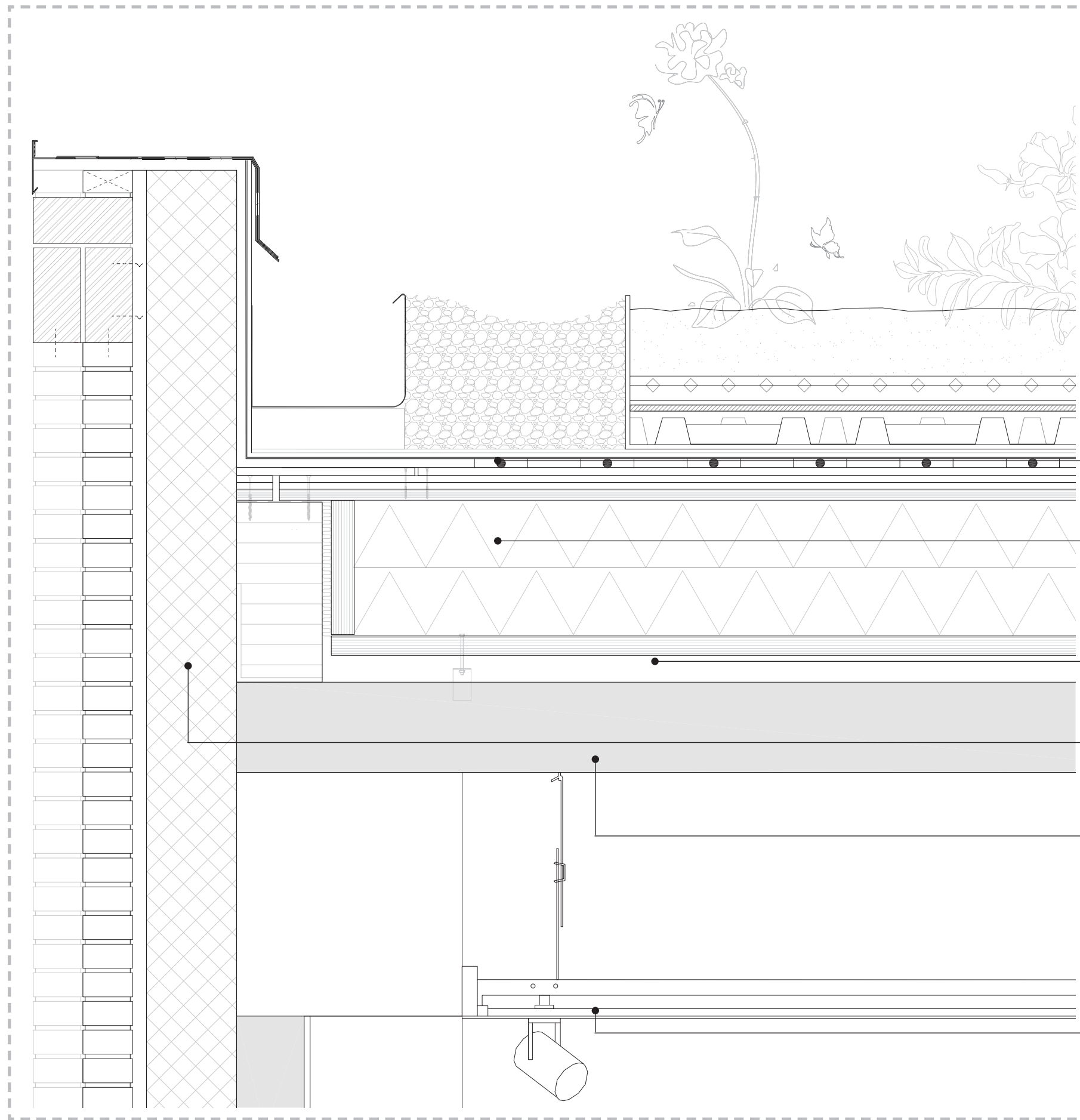
Accoya window frame - C2C Certified
Duratherm - Tilt/Turn Windows

Limestone window sill
continues under the masonry piers
300x54

Brick beam made out of solid masonry
210x105

Mounting frame

Window element (Lowerpart), Detail 1.5



Roof element
ZinCo Fixodrain, Vegetation
Substrate layer
Filter layer
Drainage layer
Protection layer
XPS

Thermal insulation, BioFoam
200 mm

Vapor Barrier
1 mm

Roof Screed
25 mm

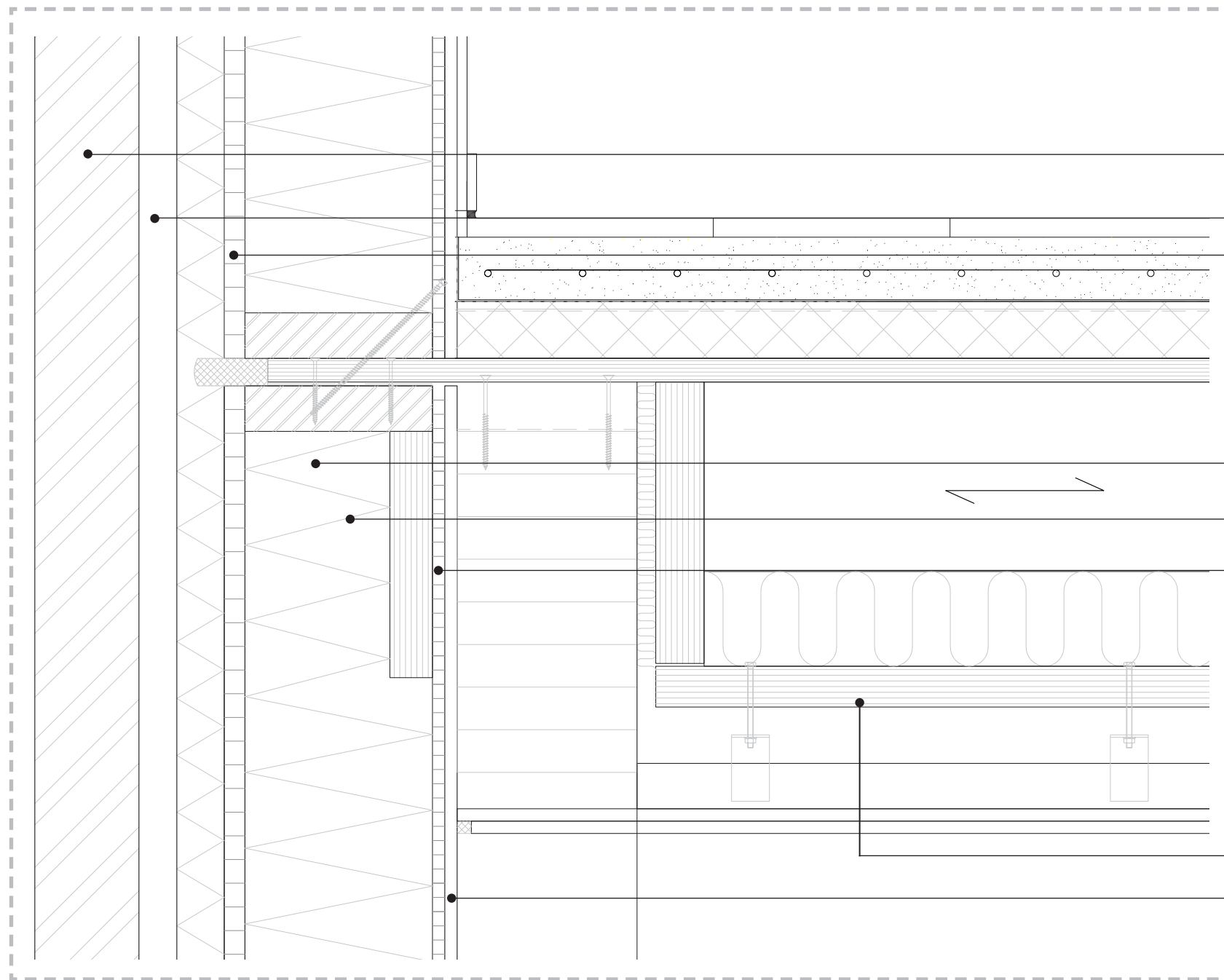
Wooden Beam
250x400 mm

Existing structural Roof slab
In-Situ Concrete
200mm

Insulation layer acoustic
BioFoam
45 mm

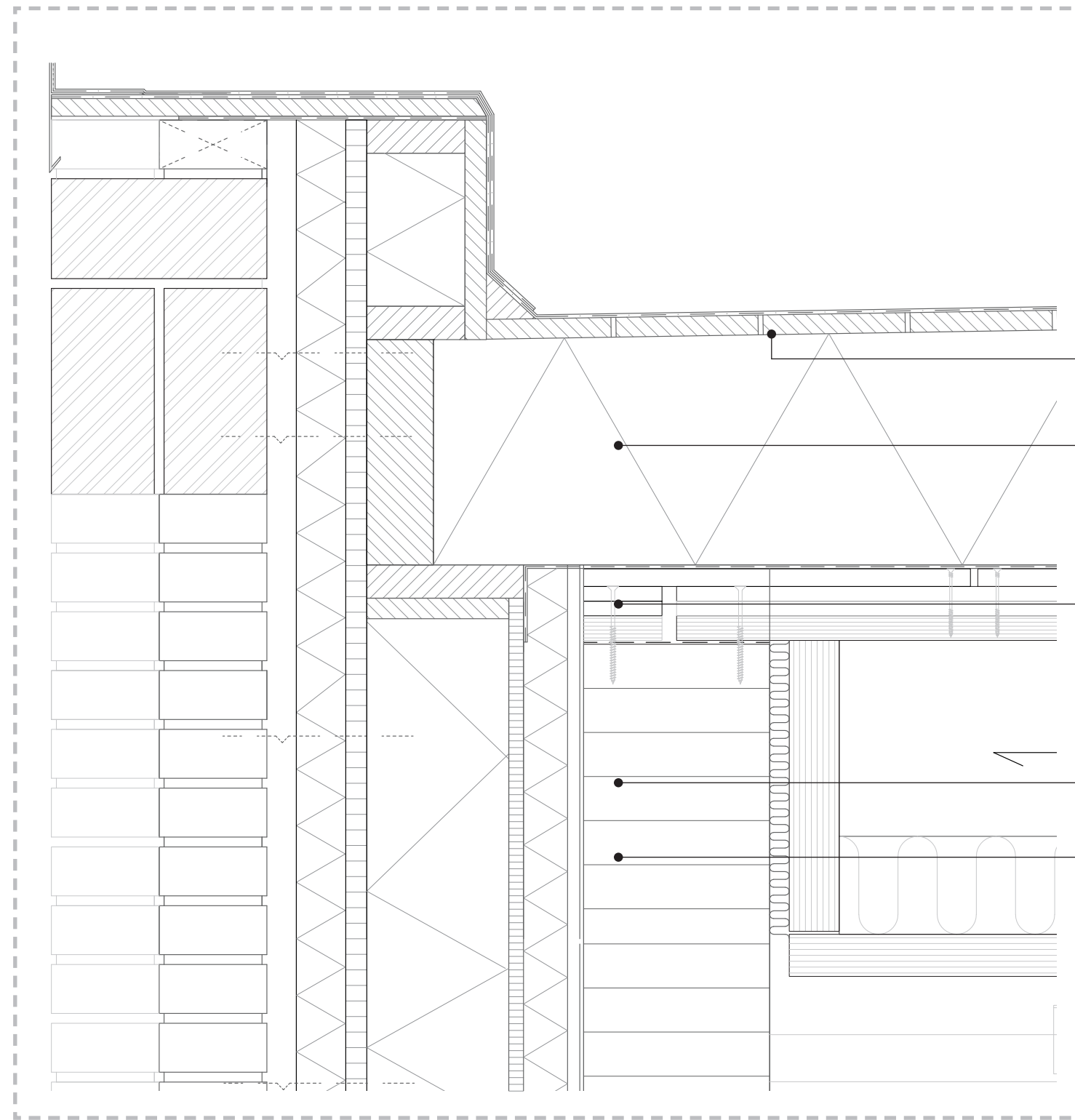
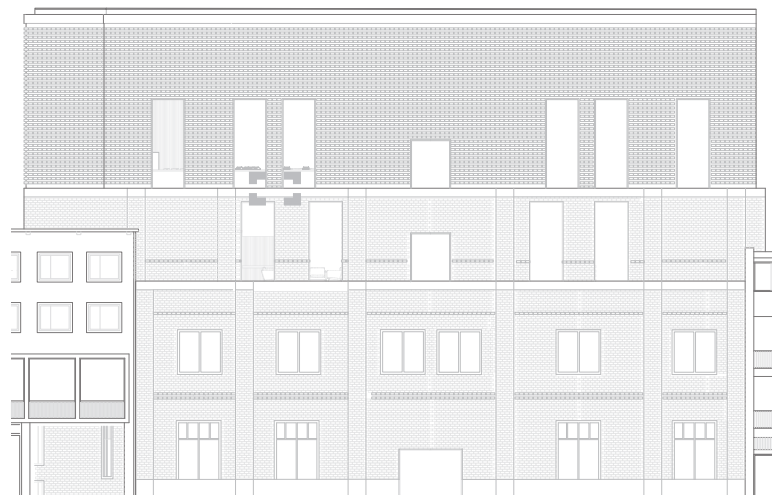
Ceiling system
Gypsum Fireboard
12mm

Roof, Detail 1.5



Wall element	
Wienerberger Brick C2C Certified Waalformaat (210x105x50) / Setback variance of one brick size Totality of 210mm	
Air cavity - Waterproof layer included	40mm
Wooden posts	22mm
Thermal Insulation, BioFoam Including a vapour barrier 200mm	
Vapour barrier	1mm
Wooden posts	15mm
Kerto Ripa floor slab 40mm	
Gypsum	12mm

Wall, Detail 1.5



Wooden Slats
200x50 mm

Thermal insulation, BioFoam
200 mm

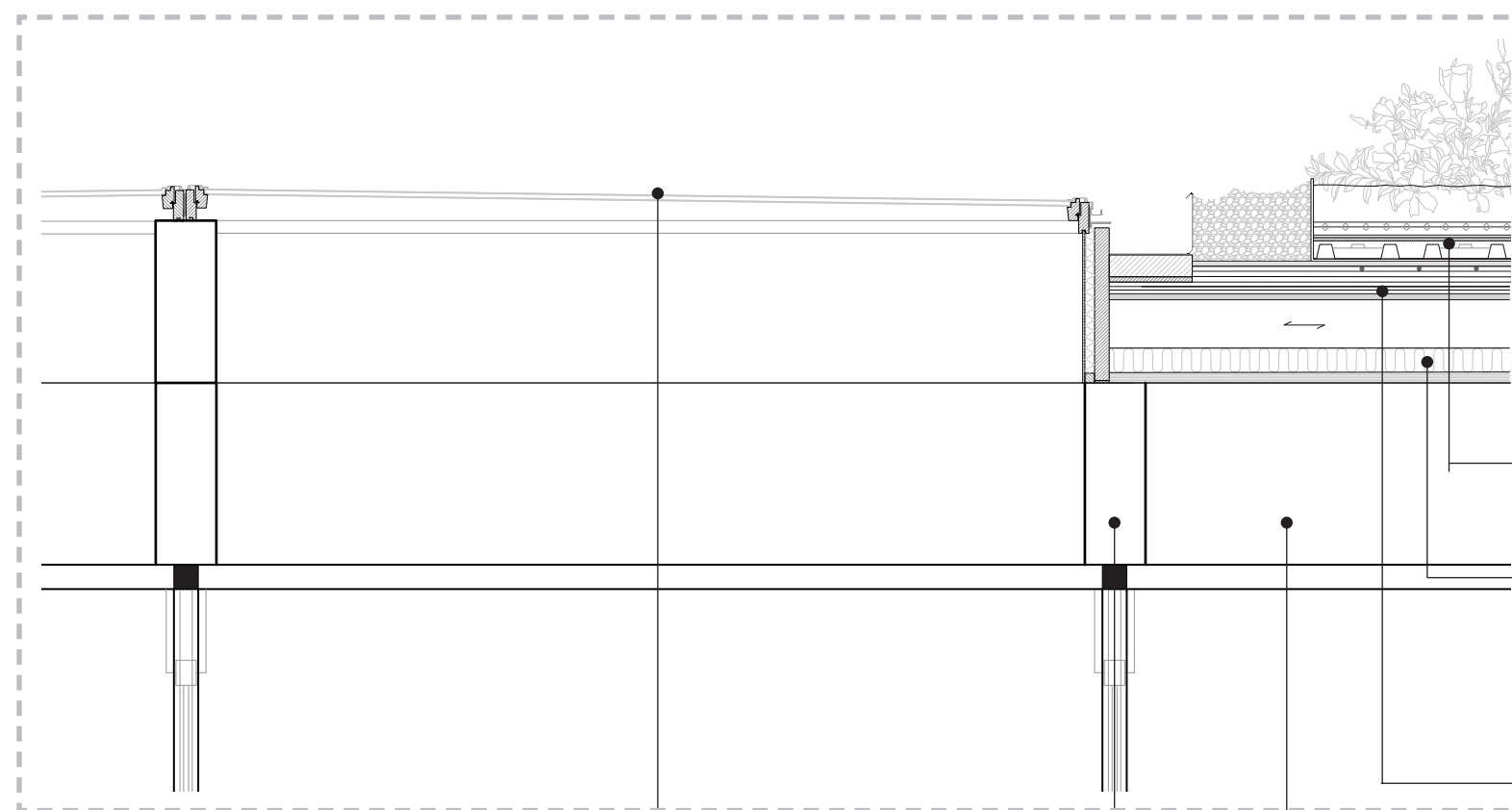
Vapor Barrier
1 mm

Roof Screed
25 mm

Wooden beam
250 x 400mm

Floor, Kerto Ripa

Roof second floor, Detail 1.5



ZinCo Fixodrain, Vegetation
Substrate layer
Filter layer
Drainage layer
Protection layer
XPS

Thermal insulation, BioFoam
200 mm

Vapor Barrier
1 mm

Roof Screed
25 mm

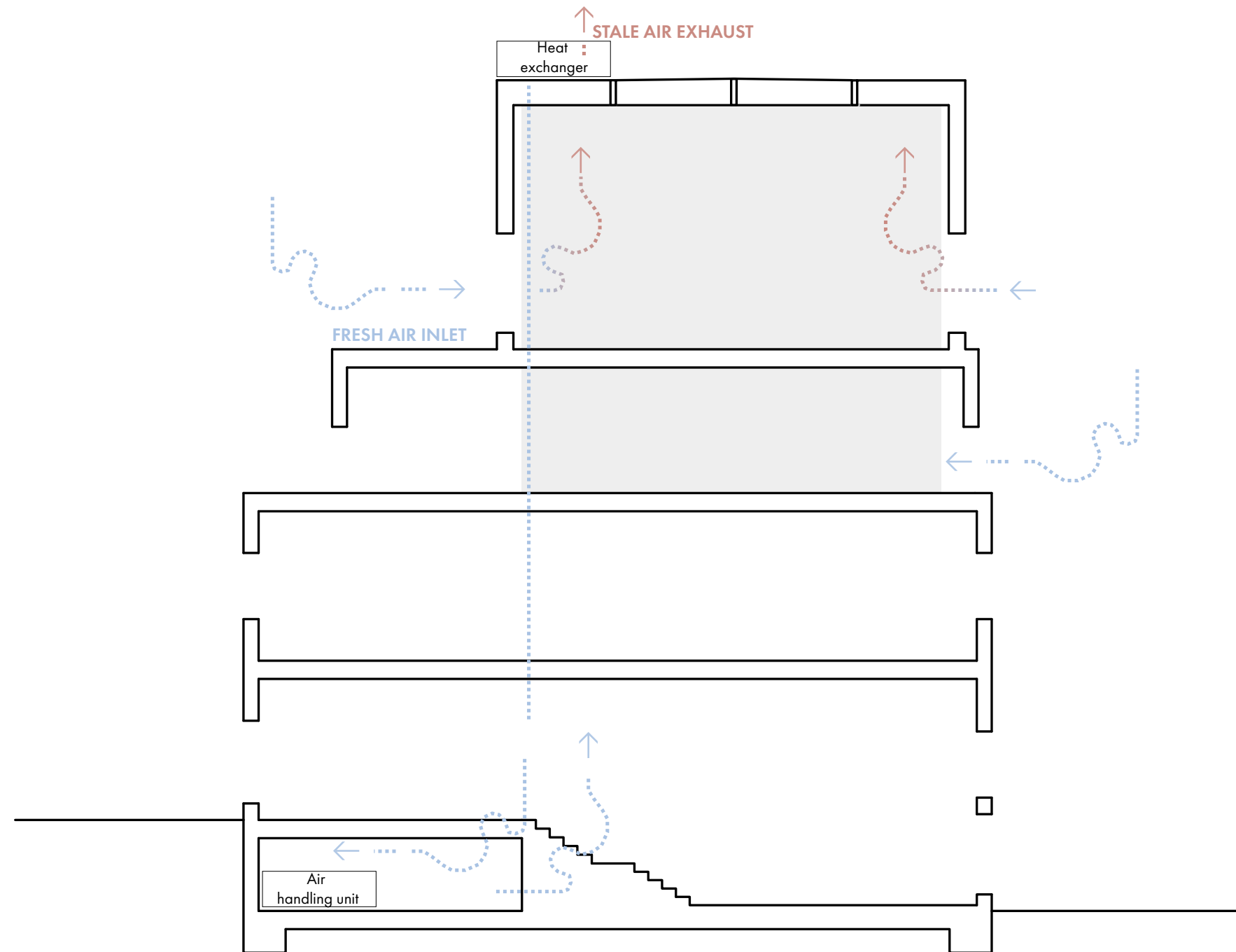
Beam, Laminated timber
250x1500 mm

Beam, Laminated timber
250x750 mm

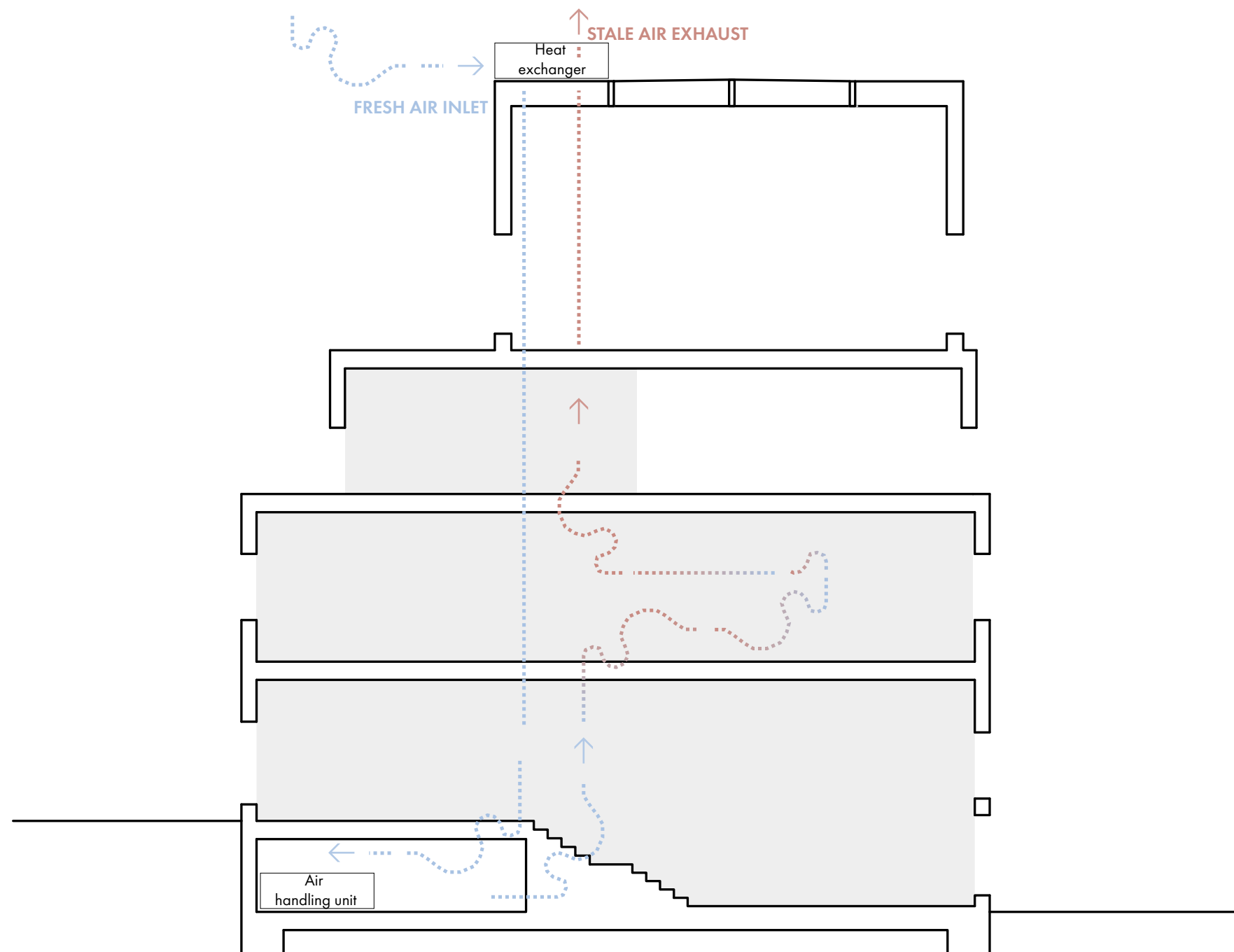
Clear thermally insulated triple glazing
53mm

Accoya window frame - C2C Certified

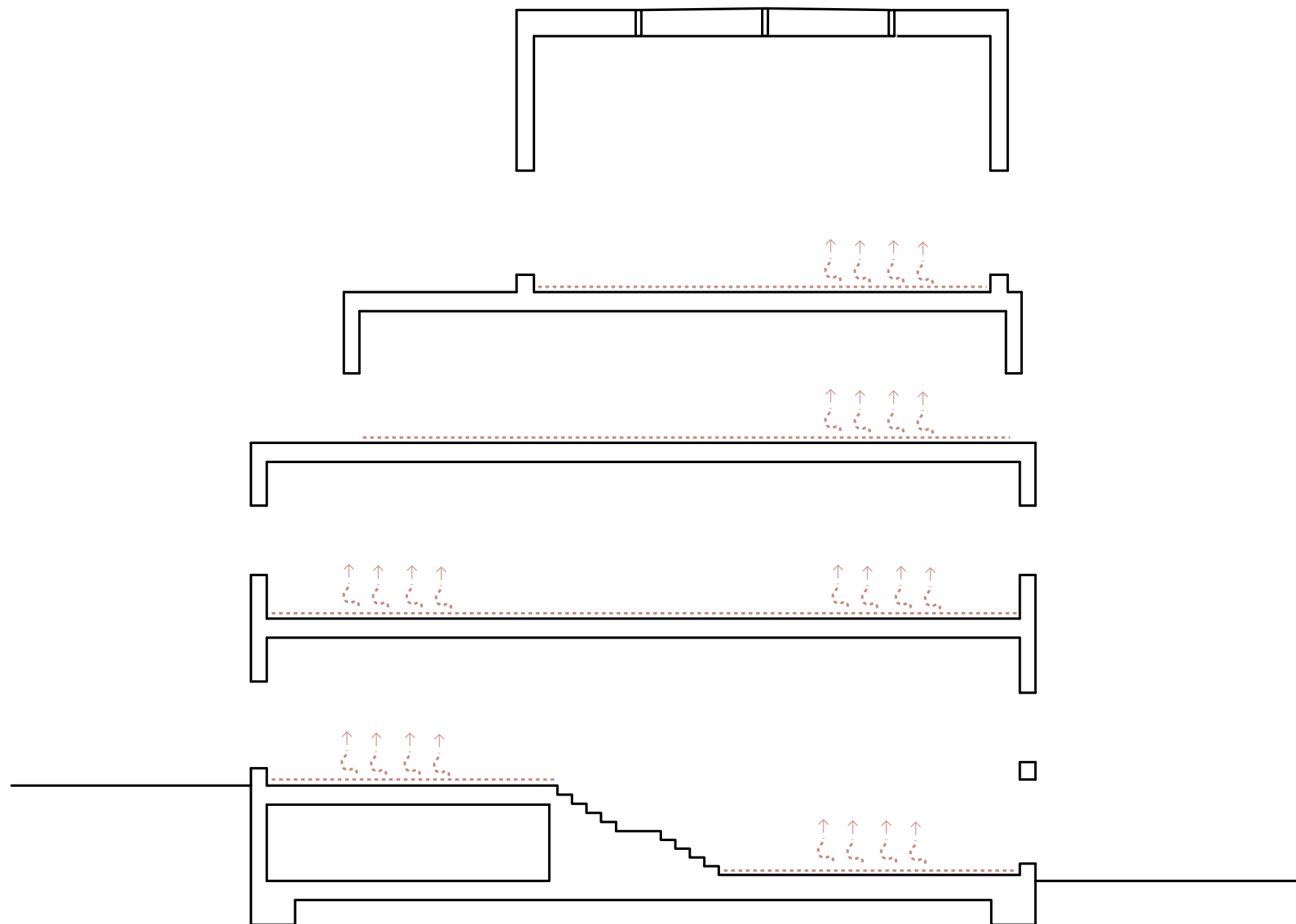
Roof third floor, Detail 1.5



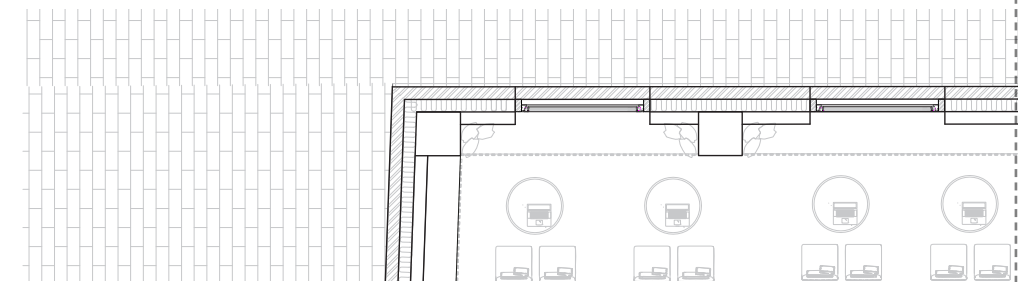
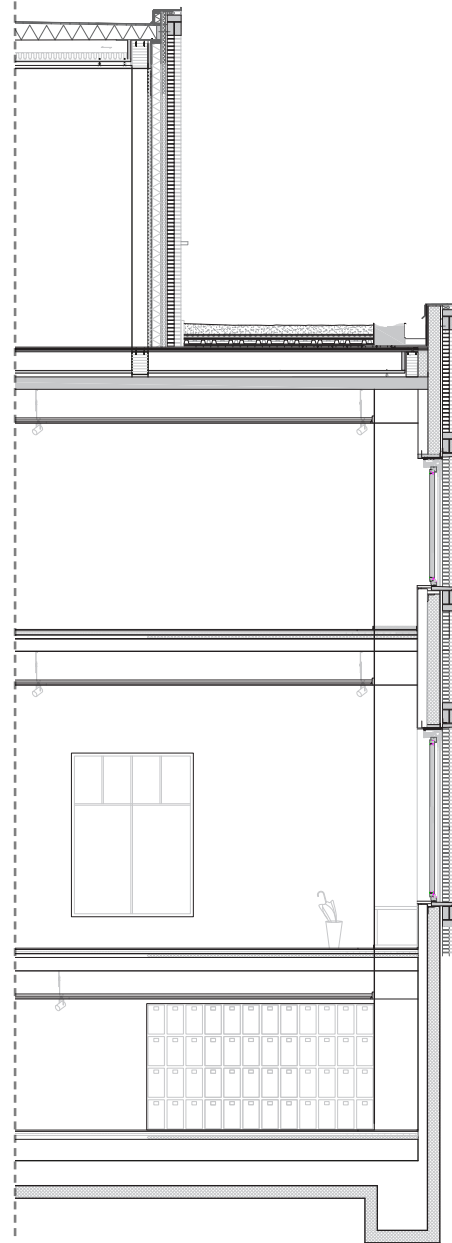
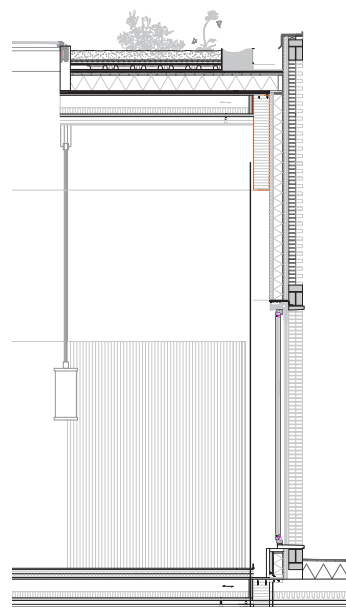
Climate, Ventilation private circuit - mechanical d



Climate, Ventilation public circuit - mechanical d



Climate, Heating system



Facade fragment, 1.20

Encounters

“Unexpectedly be faced with or experience”

Adoptions

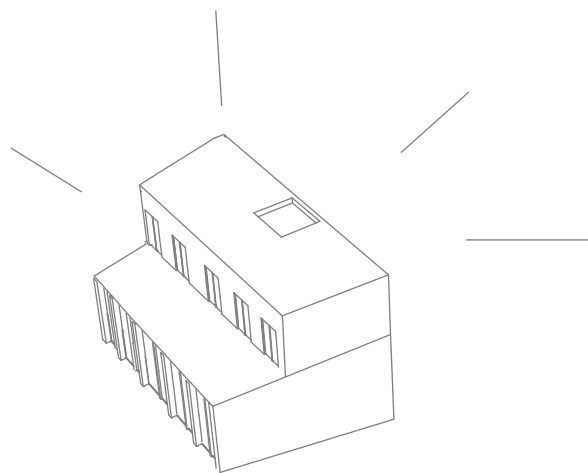
“Accepting or starting to use something new choosing or taking something as your own”

Conversations

“A talk, especially an informal one, between to or more, in which something is exchanged”

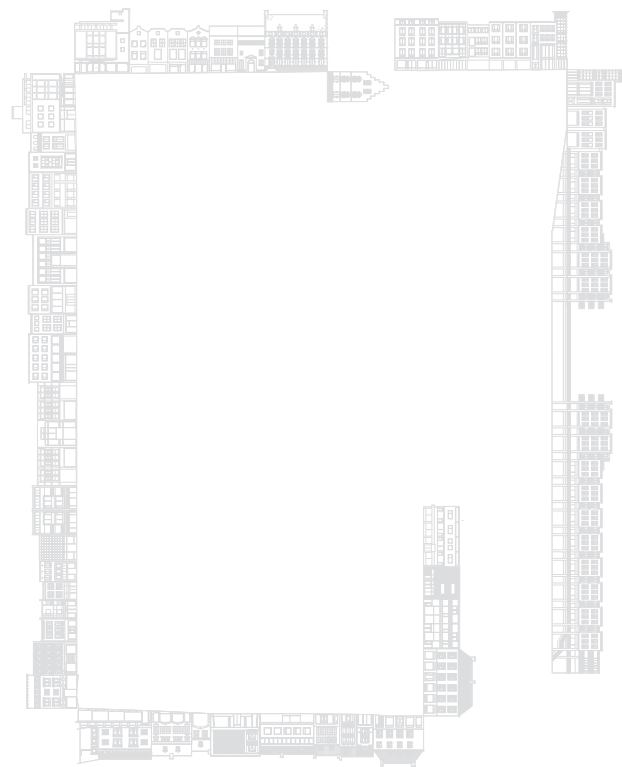
Characters

“Distinctiveness, uniqueness, properties”



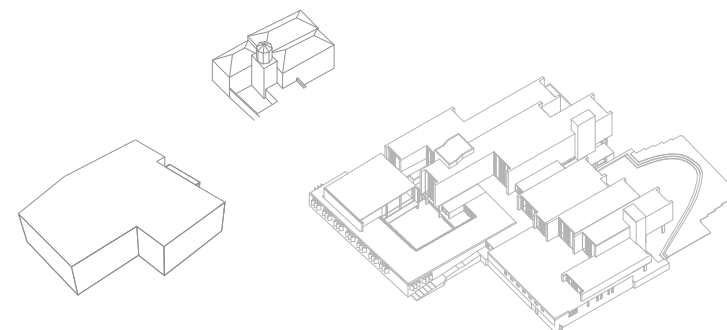
Encounters

"Unexpectedly be faced with or experience"



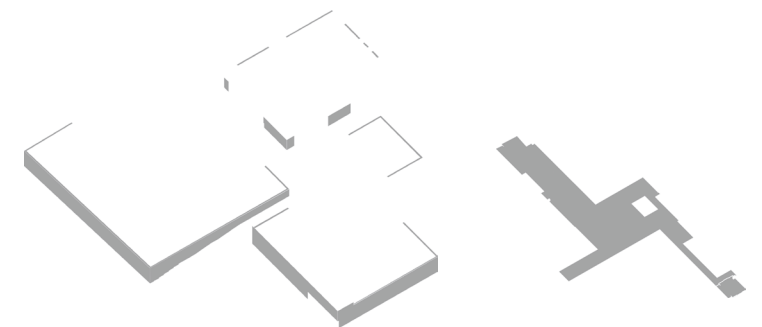
Adoptions

"Accepting or starting to use something new choosing or taking something as your own"



Conversations

"A talk, especially an informal one, between to or more, in which something is exchanged"



Characters

"Distinctiveness, uniqueness, properties"

Thankyou!