

Pieced together

Residential care centre in Anderlecht

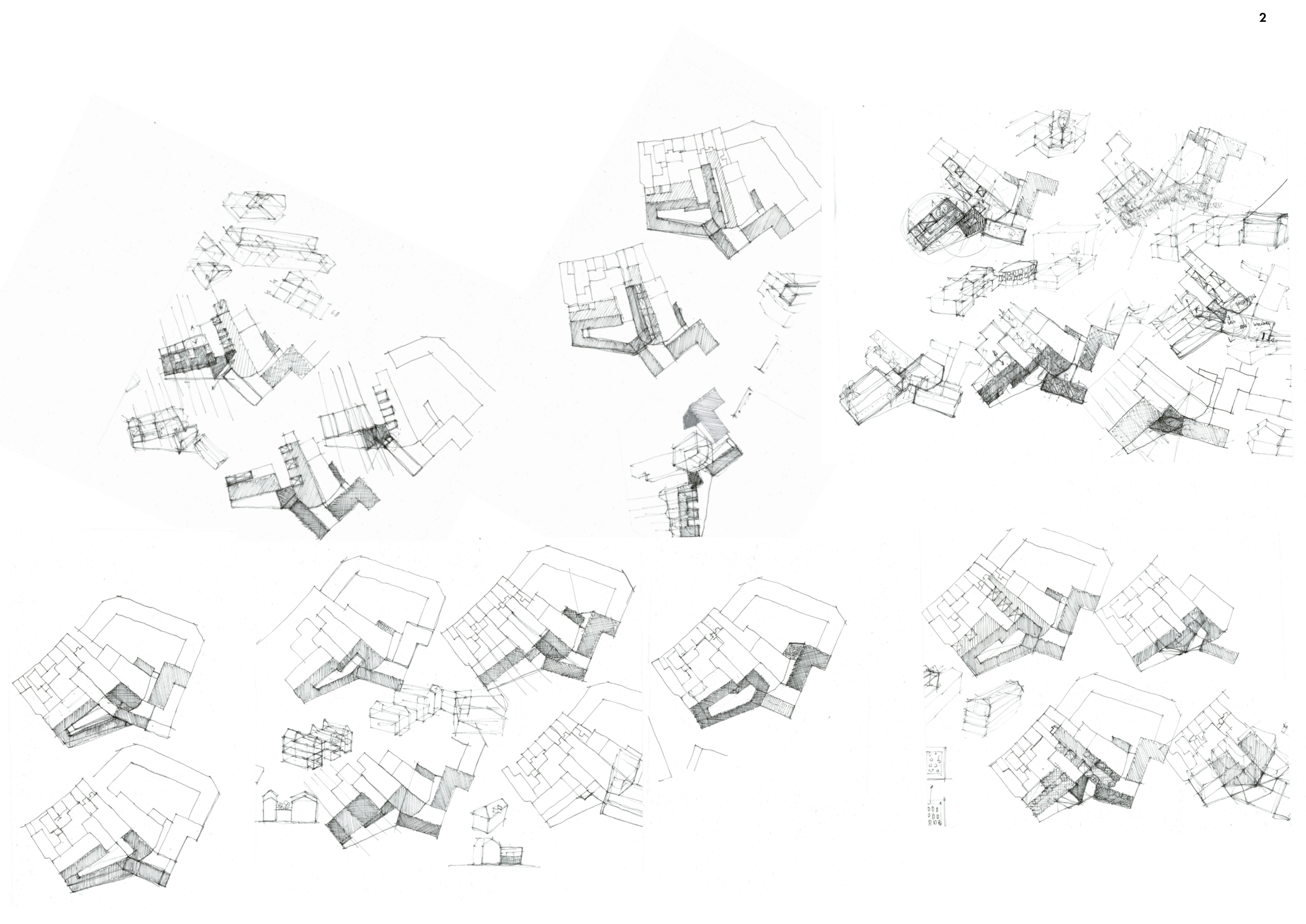
Urban Architecture: Spolia

Pedro Henrique Figueiredo Magalhaes (4906209)

Tutors: Aurelie Hachez, Paul Vermeulen, Jos Lafieber and Leeke Reinders

Faculty of Architecture and the Built Environment TU Delft - July 7th, 2020







Anderlecht



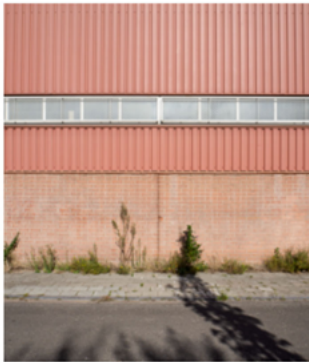
Rue des Bassins



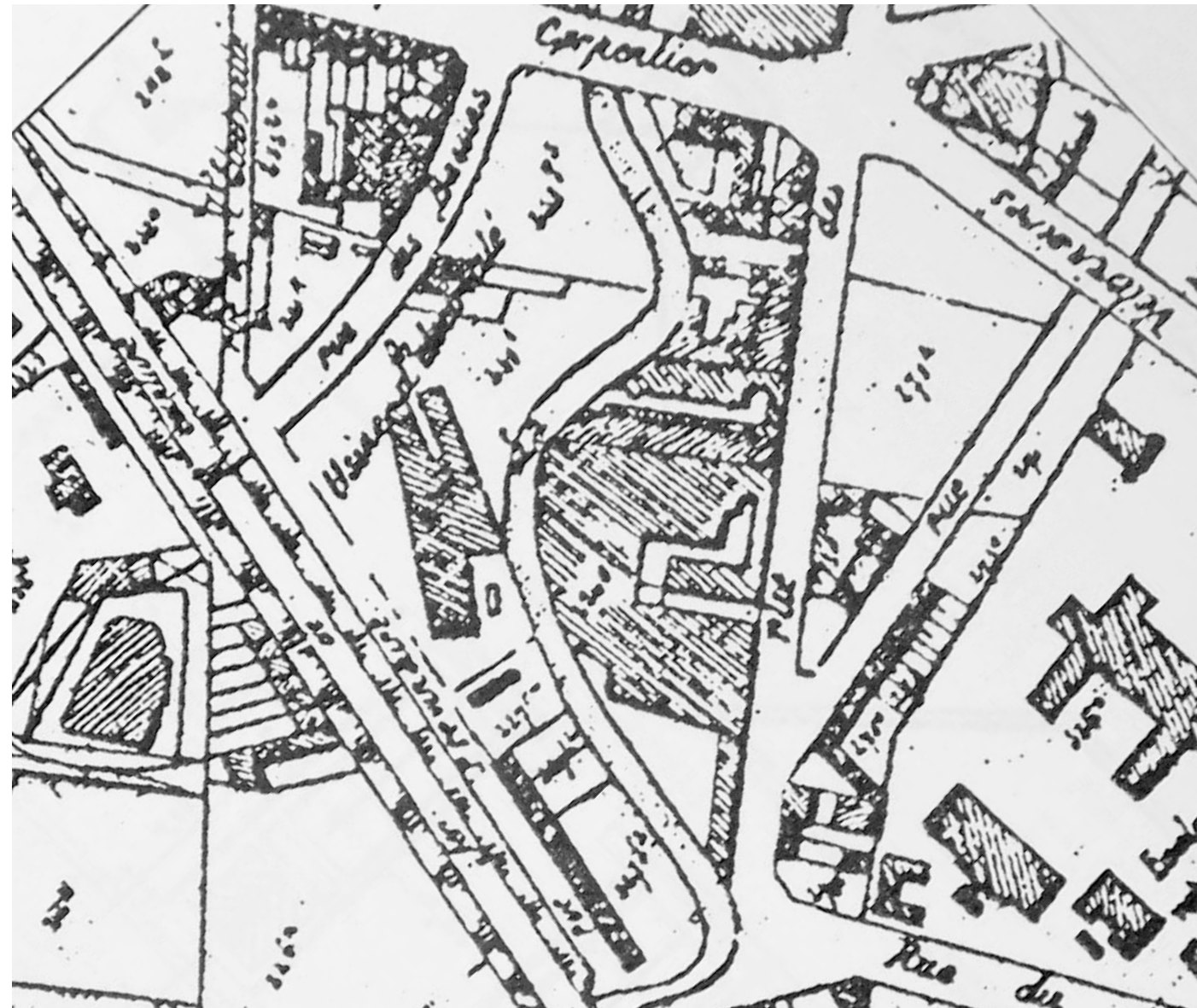
Rue des Goujons



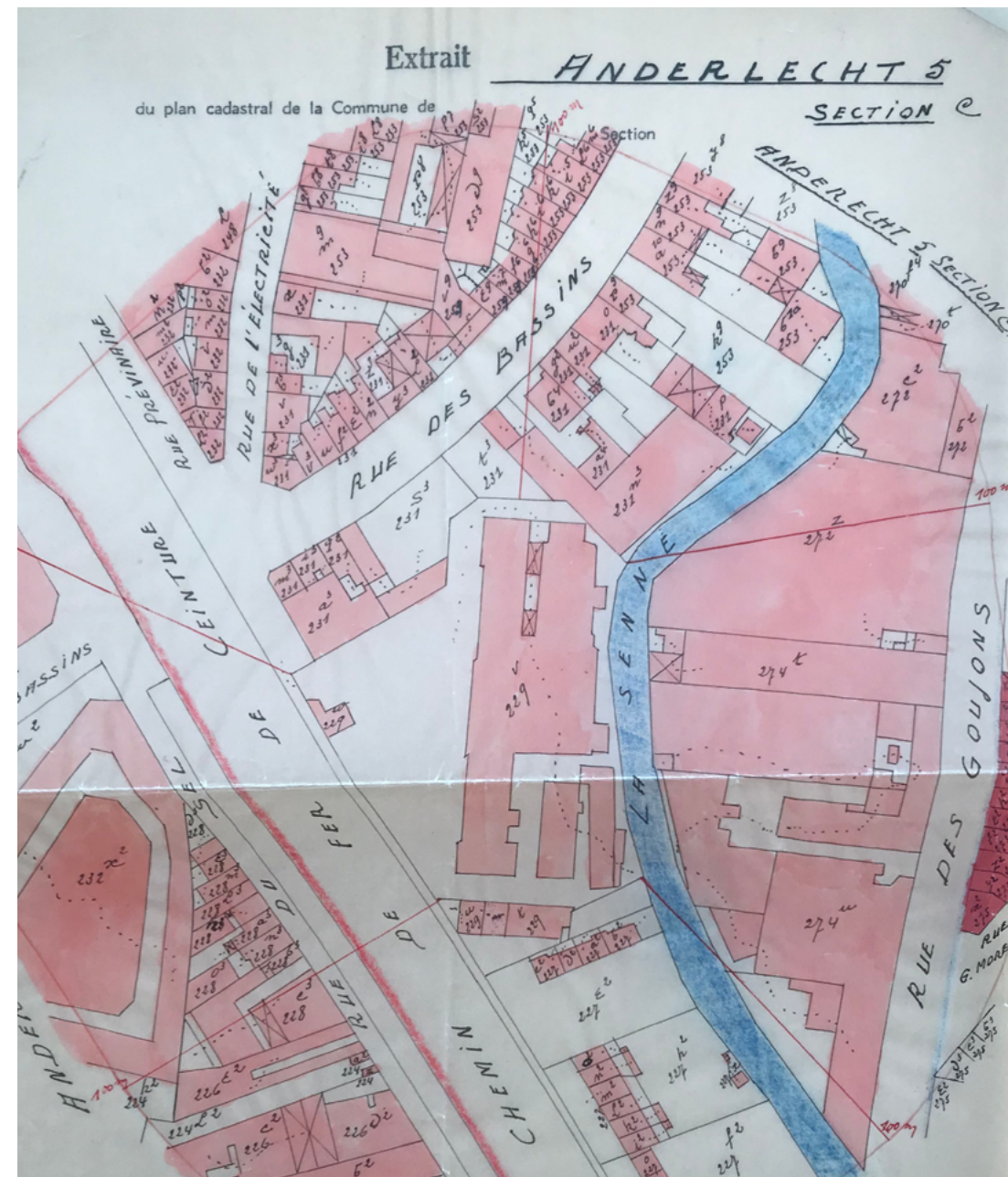
Rue Emile Carpentier



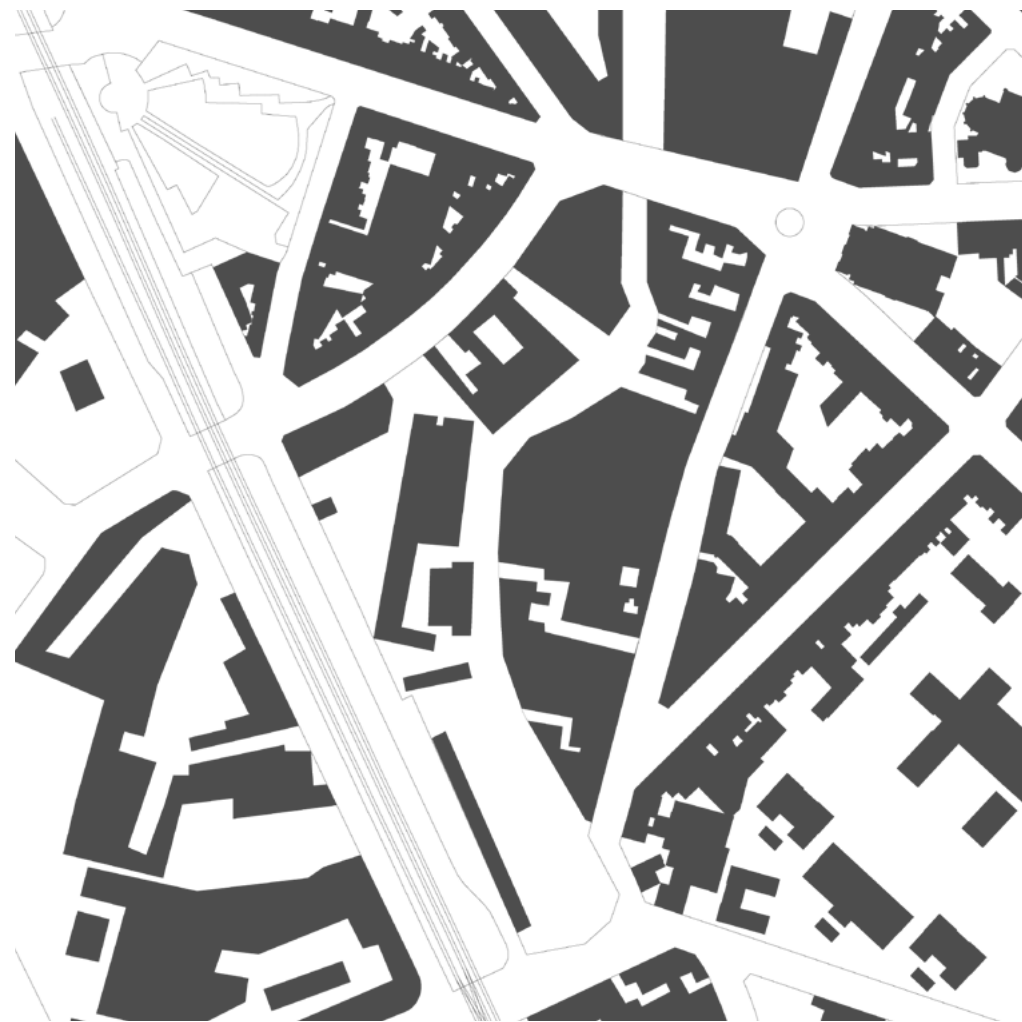
Rue Previnaire



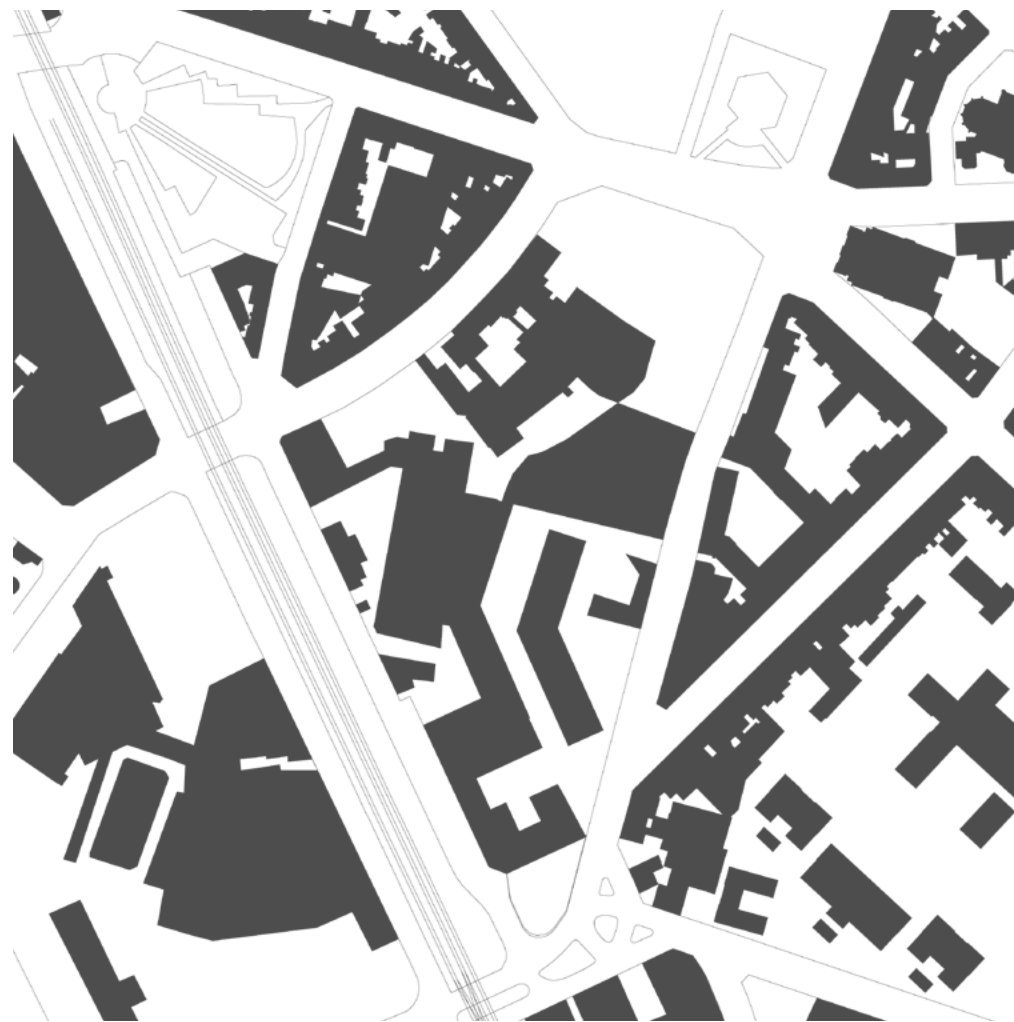
The Zenne



Development around the river



1944



1987



2019

Fragmentation



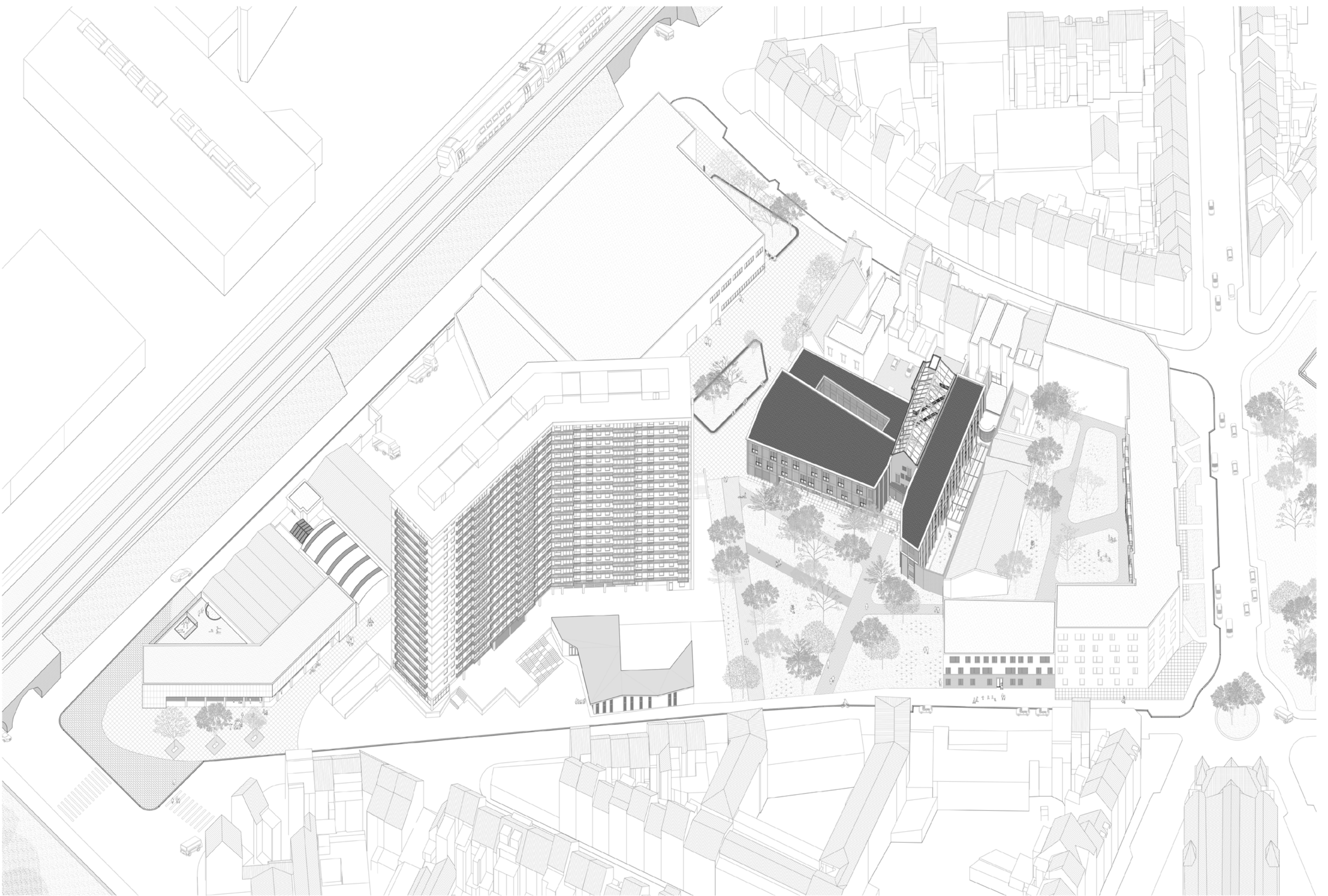
Parks



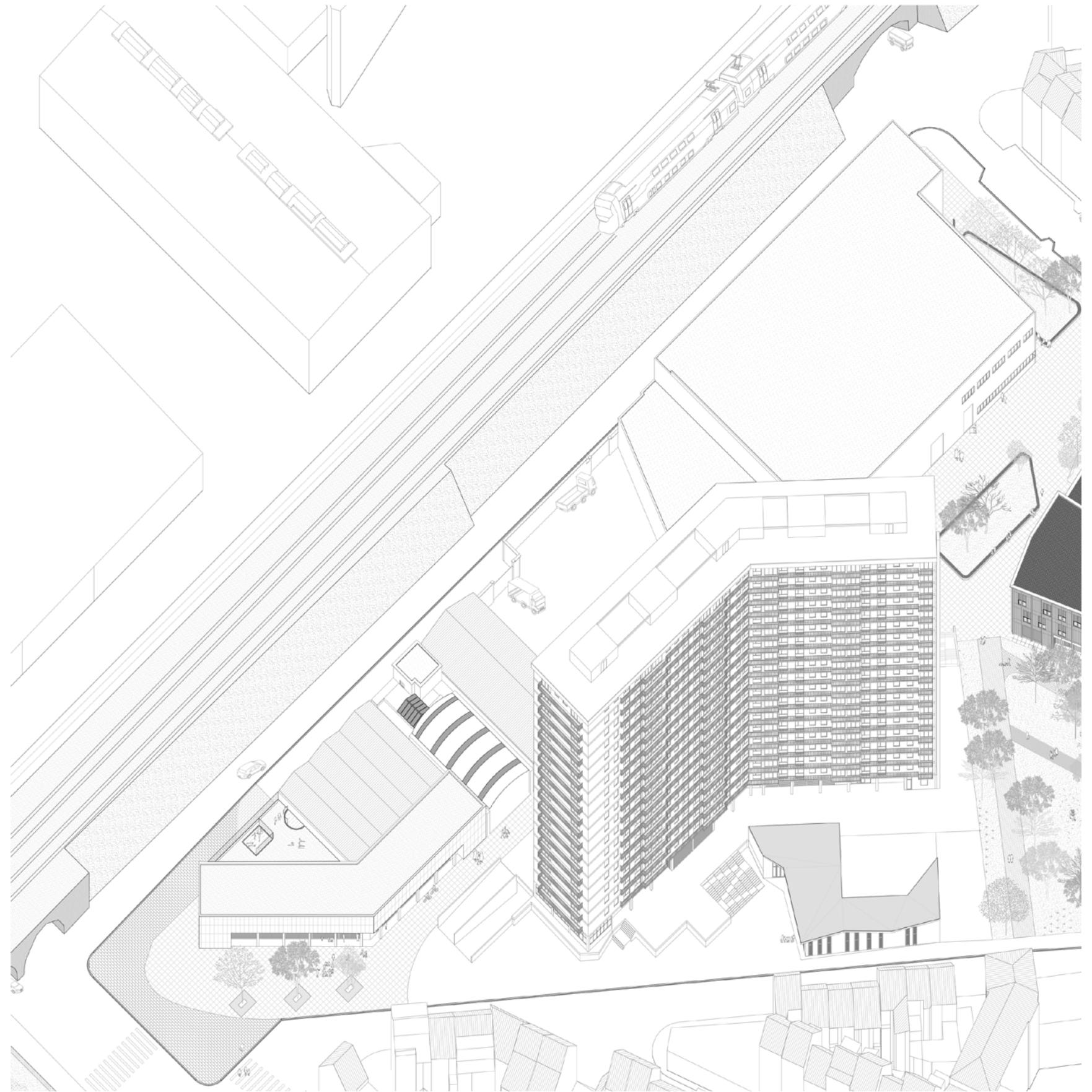
Urban Architecture
Pieced together: Residential care centre in Anderlecht

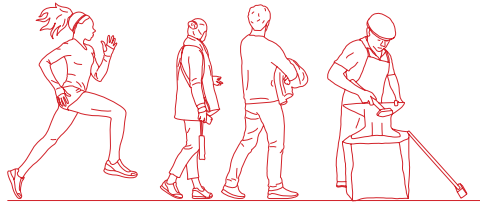
Urban plan





Urban plan

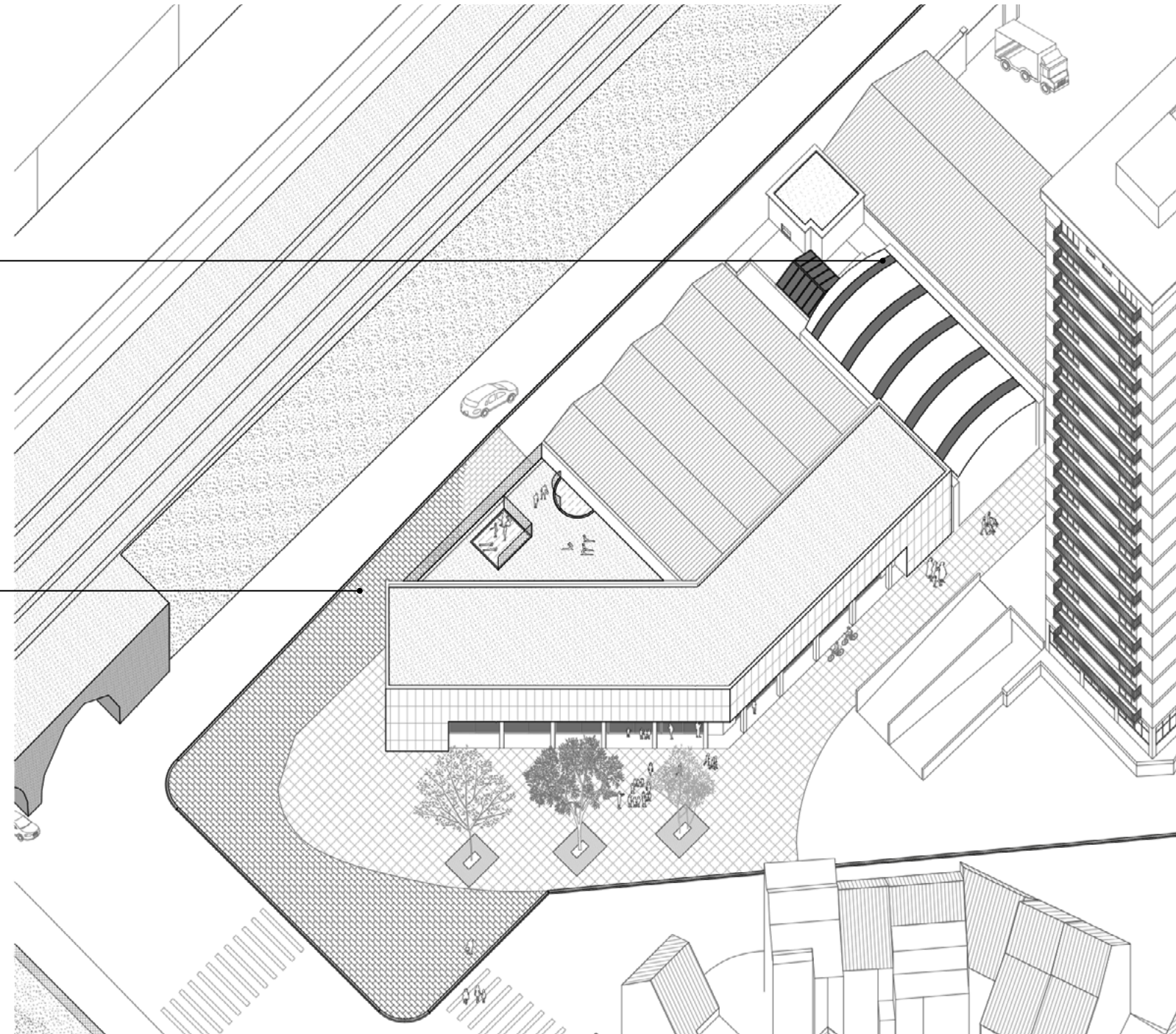


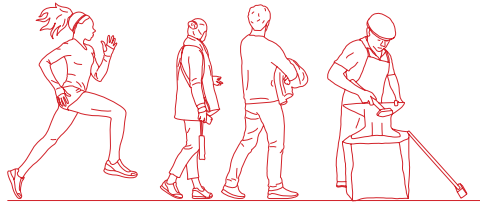


Industry, crafts/ arts, sports

A new space for artists and craftspeople to make use of. Low costs of tenancy and maintenance would be attractive to these users.

A new sports facility receives the indoor climbing gym from Studio Citygate across the street.



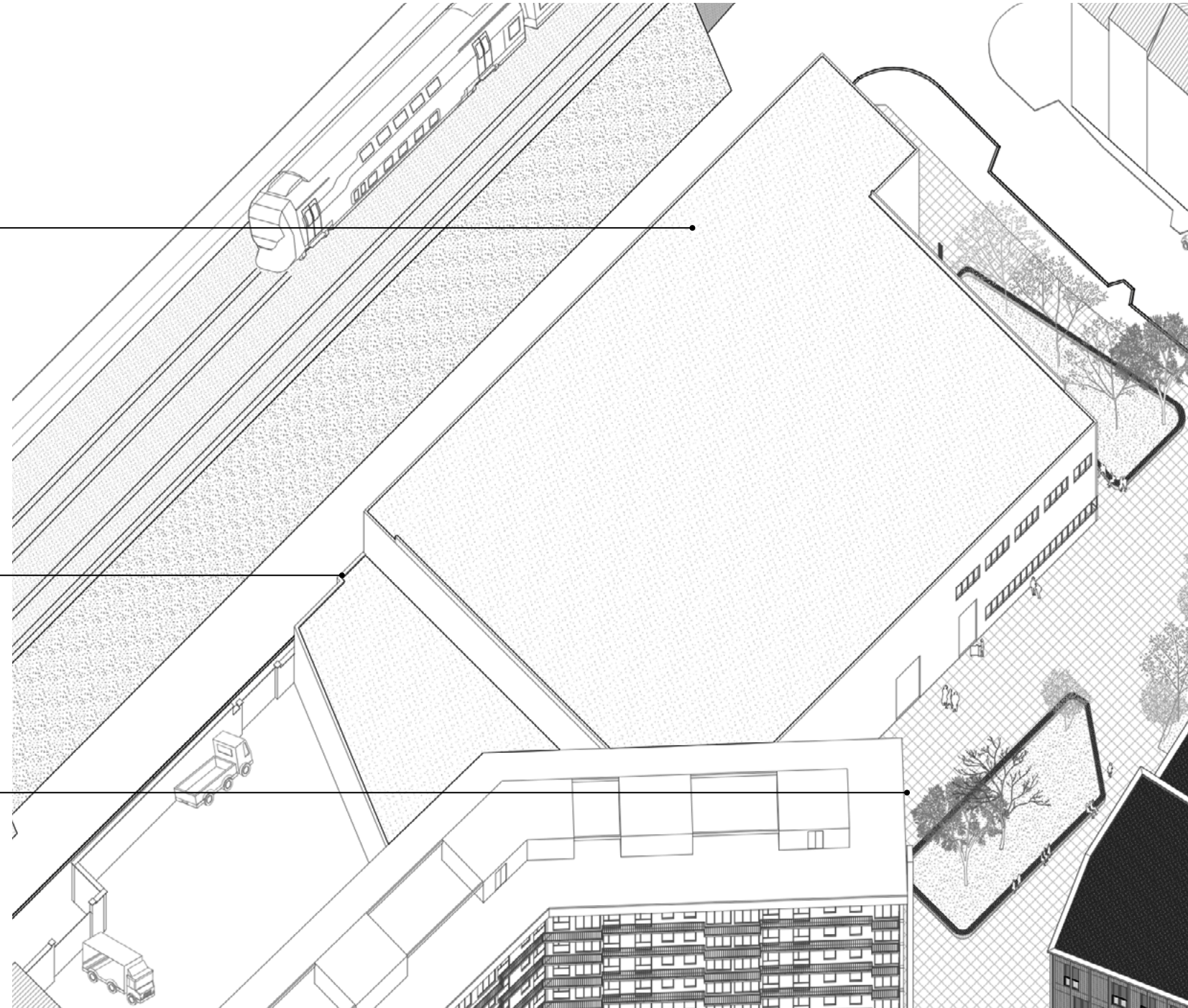


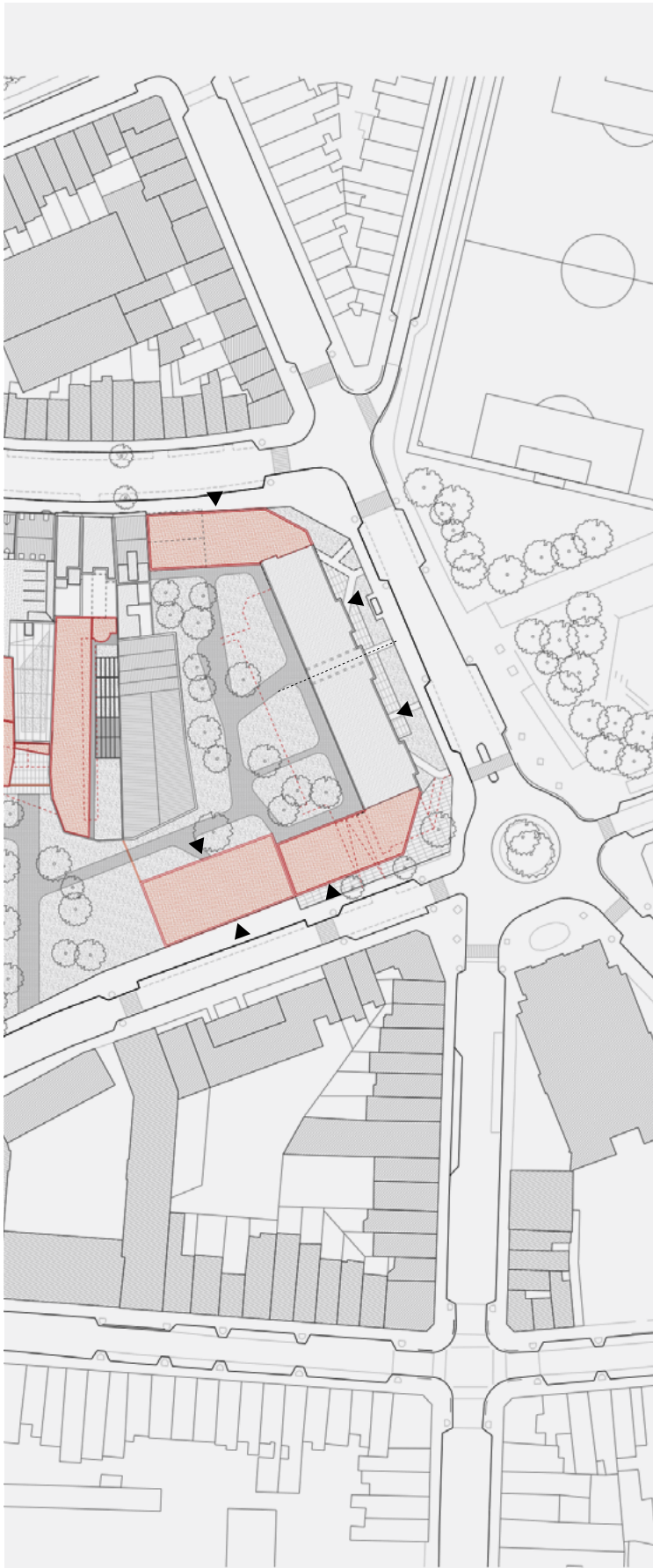
Industry, crafts/ arts, sports

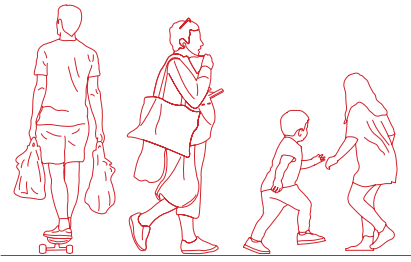
Refurbish the former Leonidas Factory. Indoor football court moves to new Sportshall.

Rotor remains and gets a new storage facility which is connected to the building and the logistic area.

Square mediating between parts of the site.

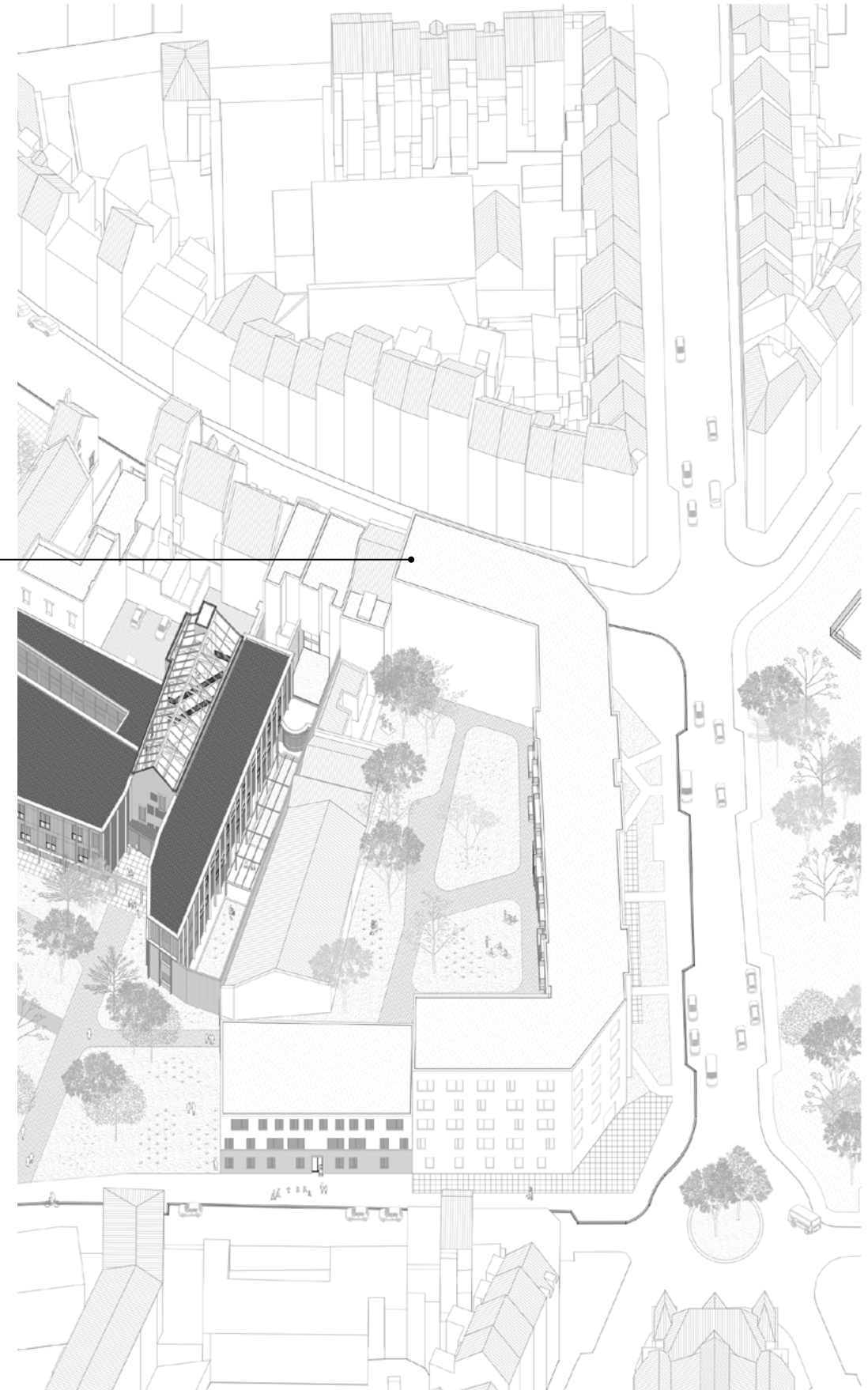


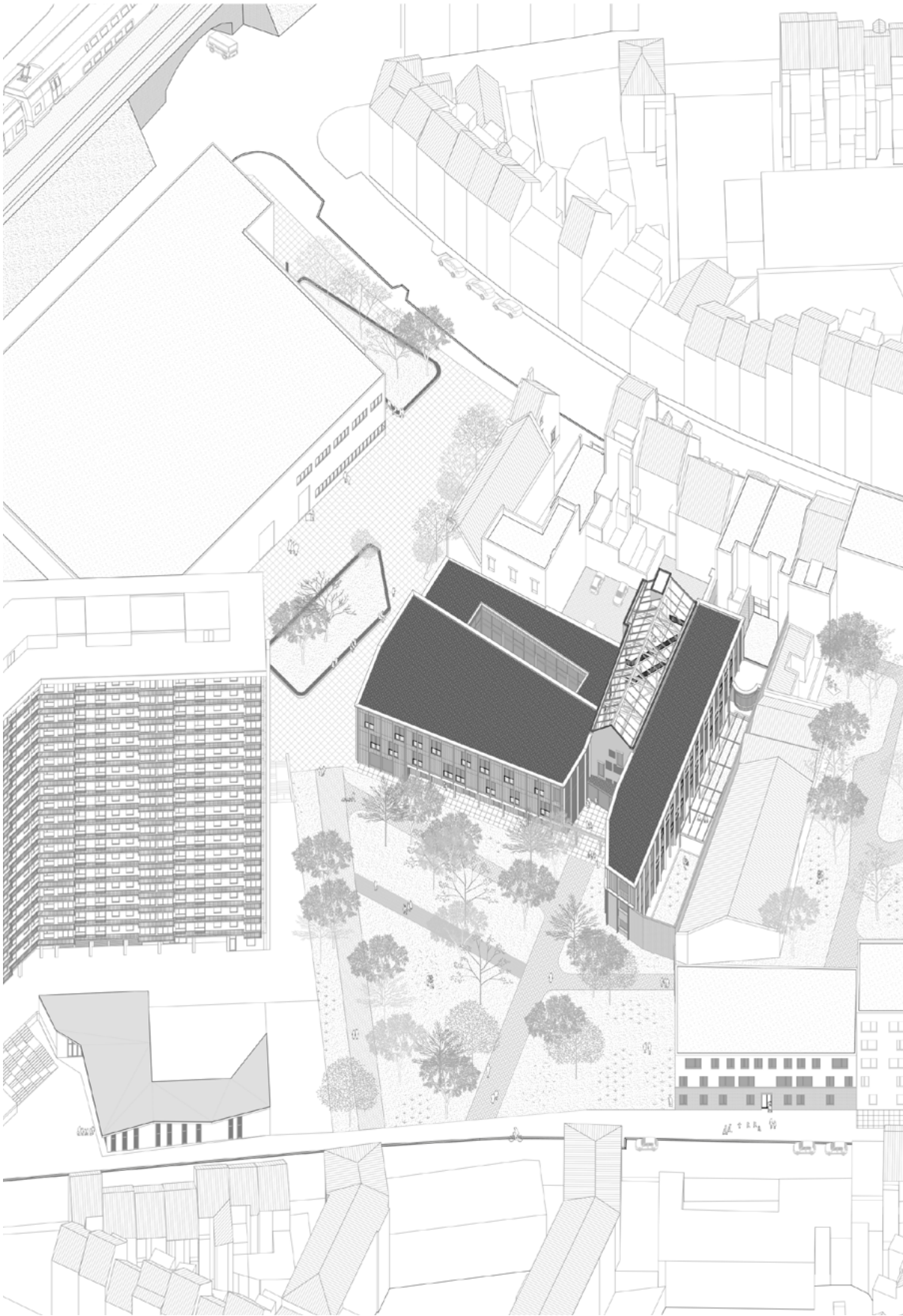


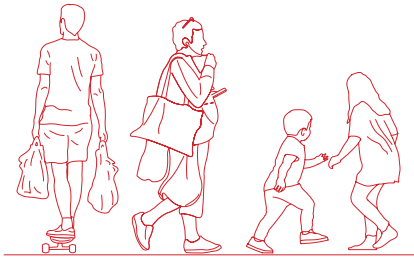


Densification

The social housing project is extended, bringing affordable housing and diverse tenants to the neighbourhood. The building clearly delineates the corners of the block. The existing housing stock is kept, as social housing is not easy to develop and is therefore worth protecting.

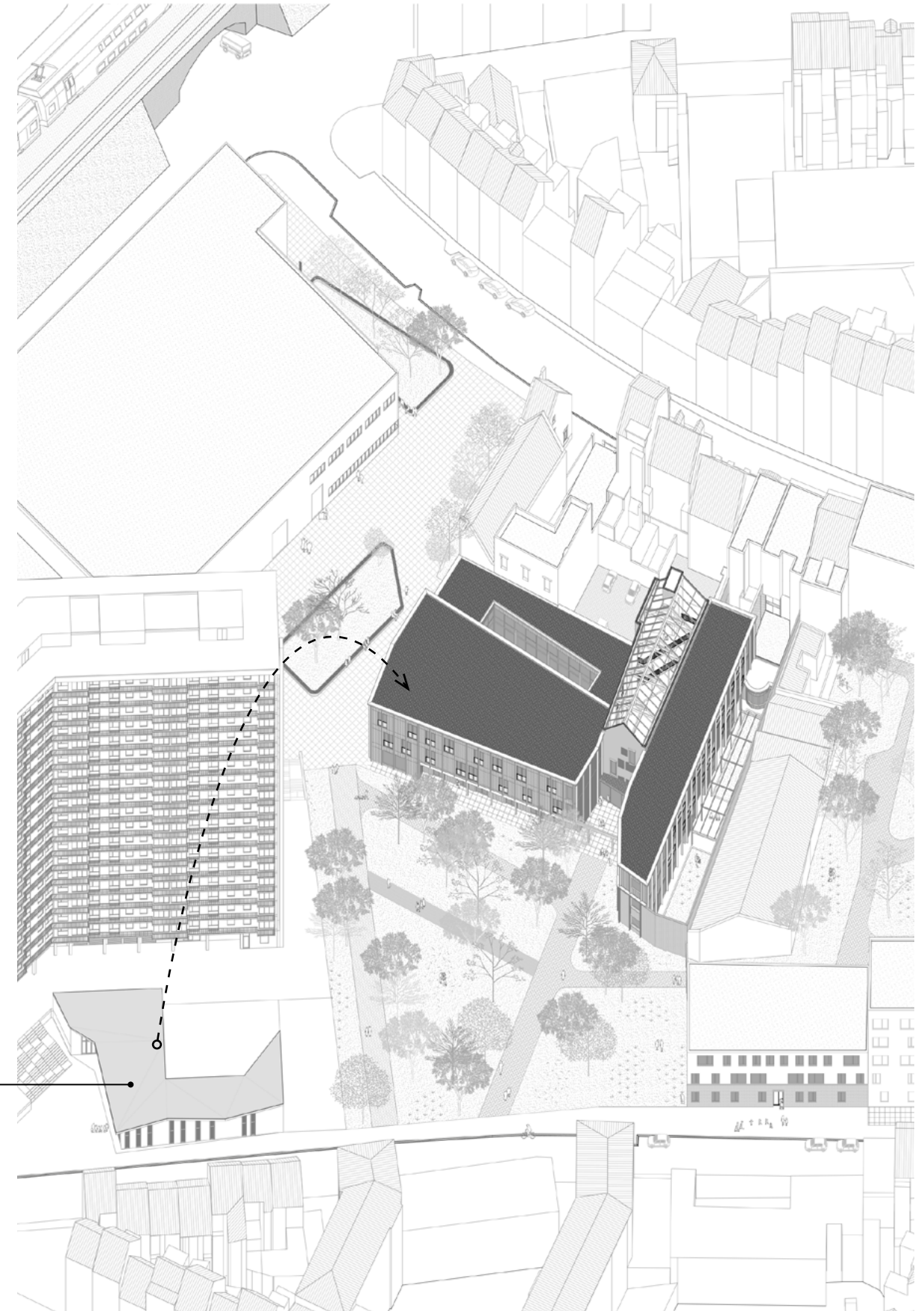


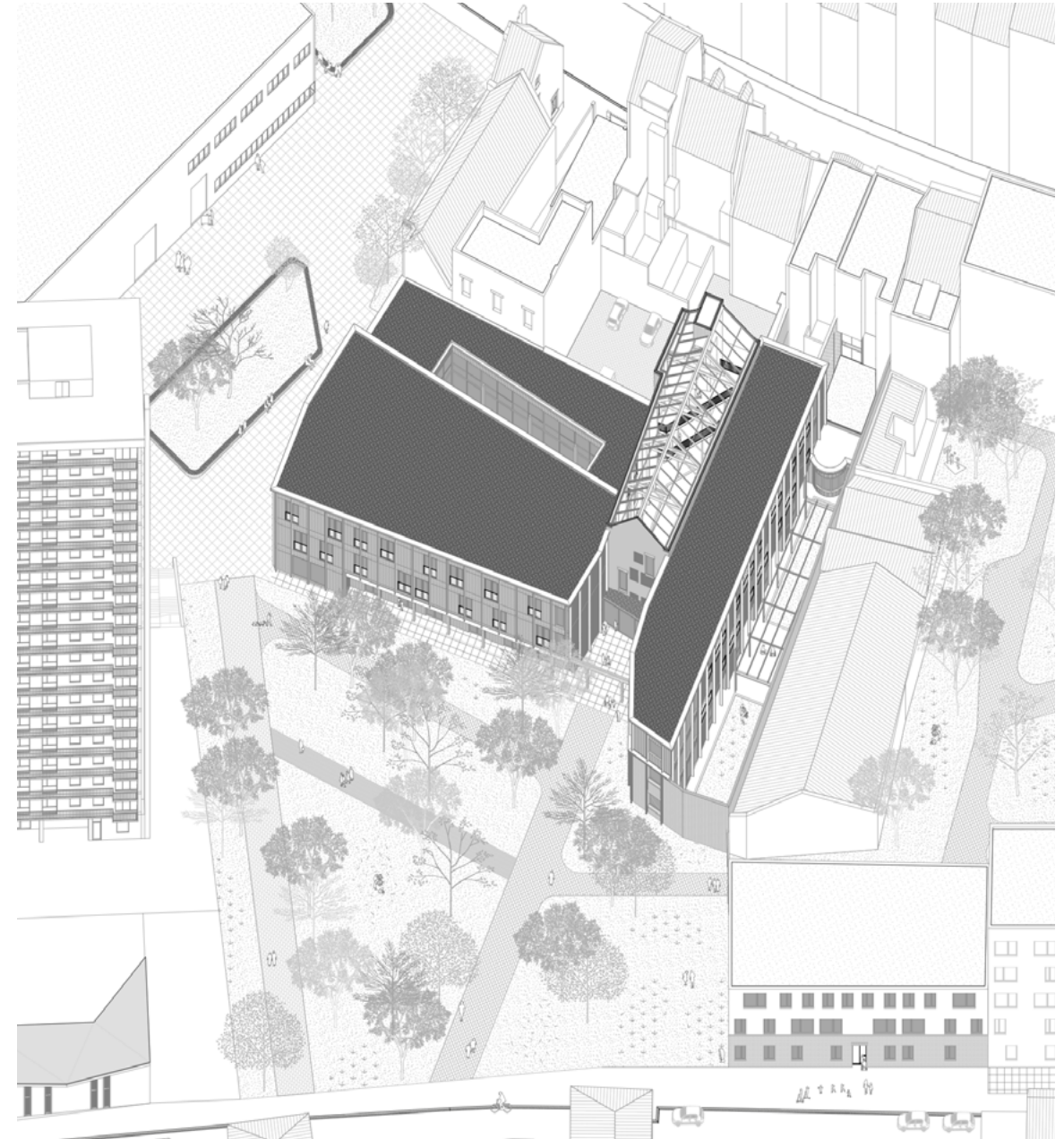
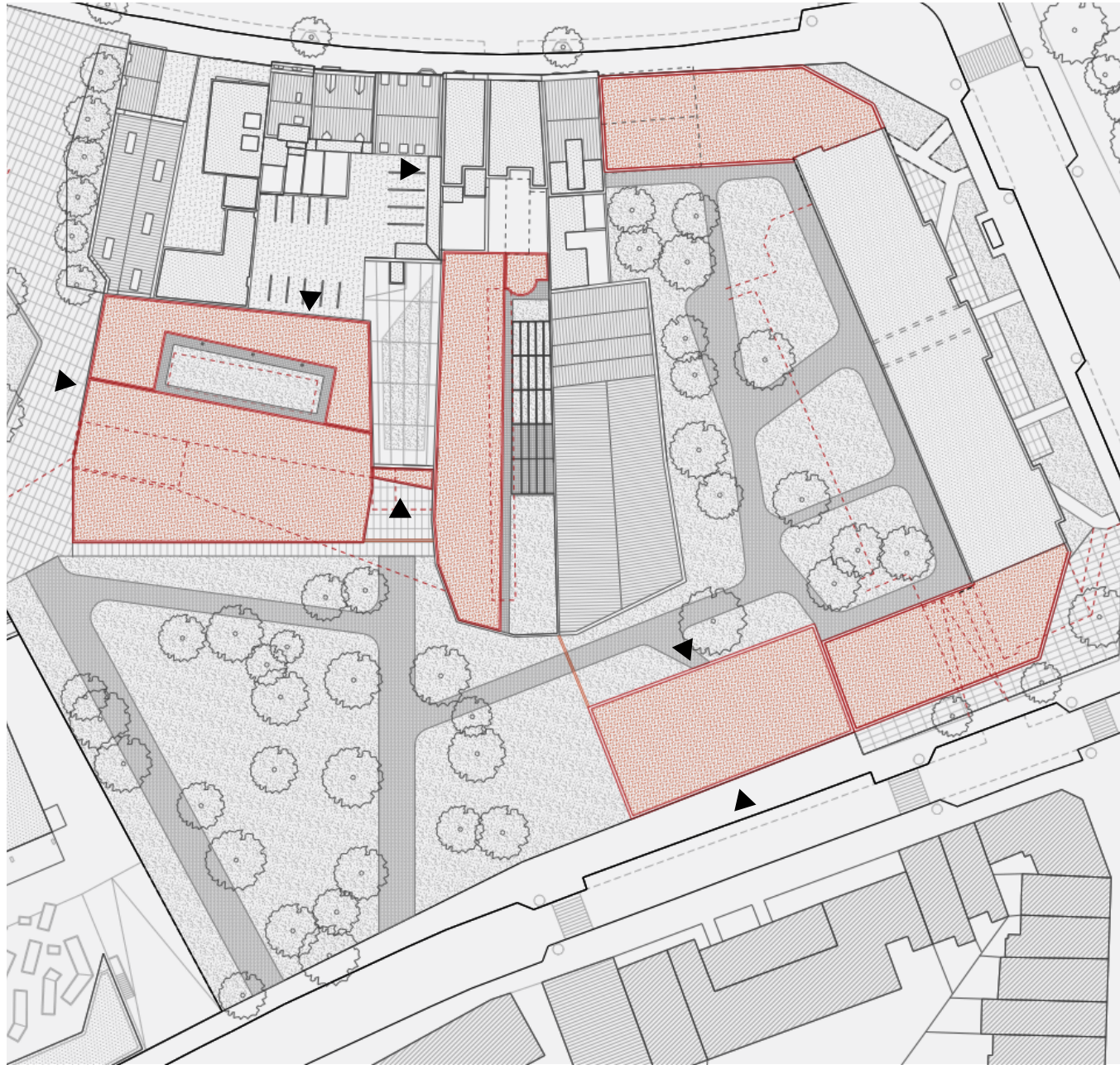


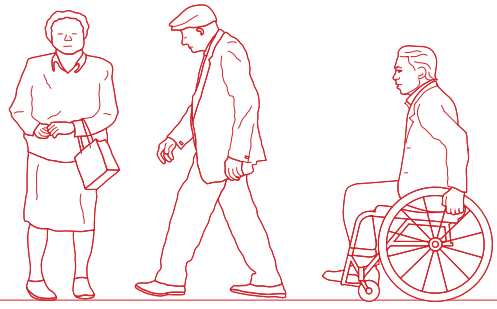


Youngsters from neighbouring schools and housing.

The current social restaurant becomes a community library. The building remains one that serves the local community and is open to the public. The social restaurant then moves to the residential care centre.



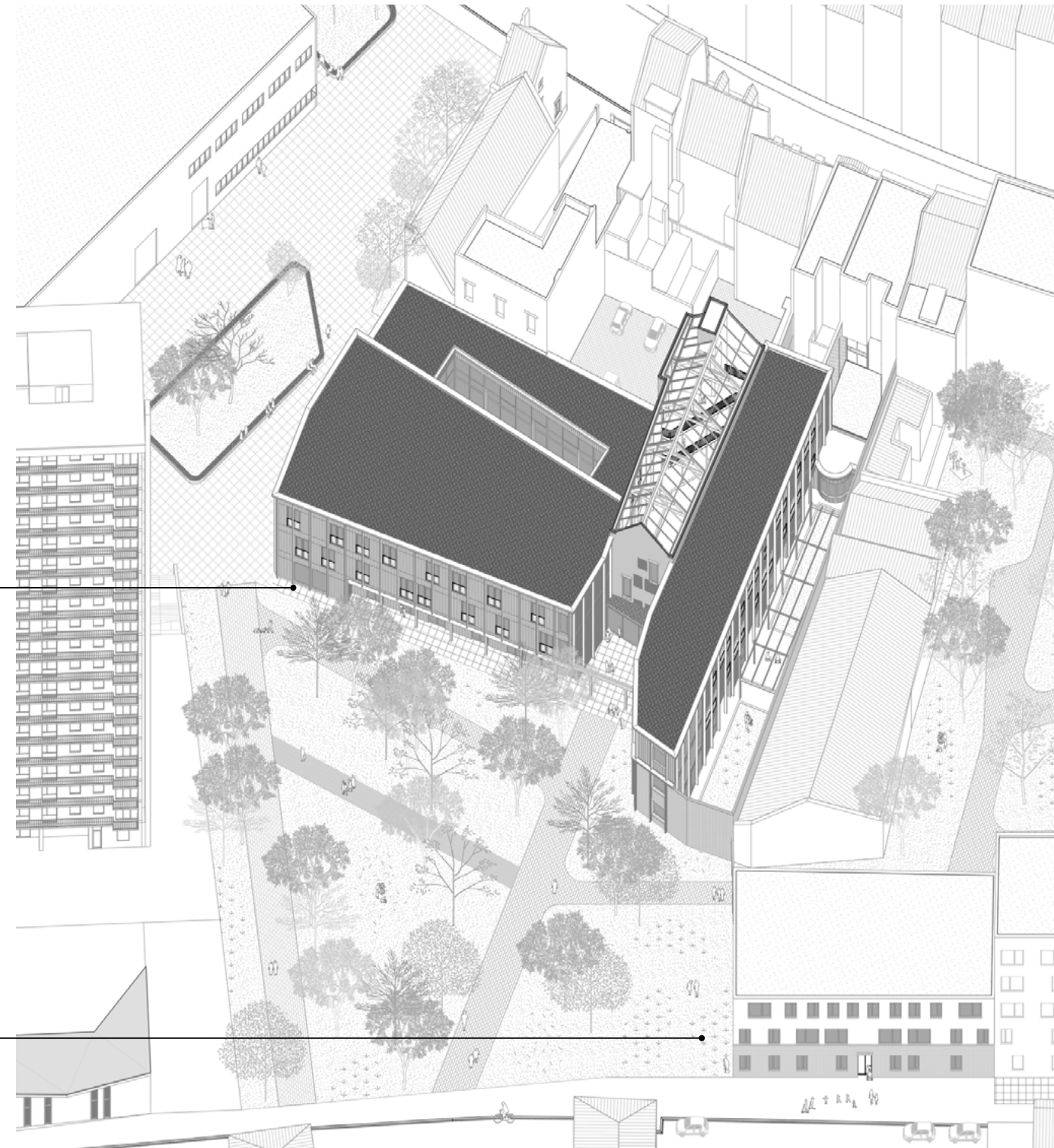


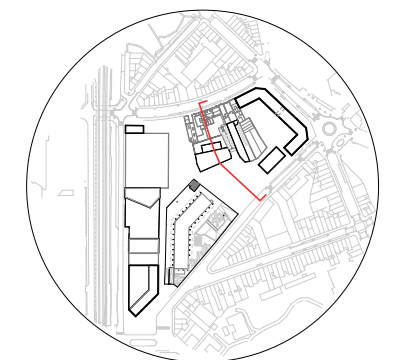
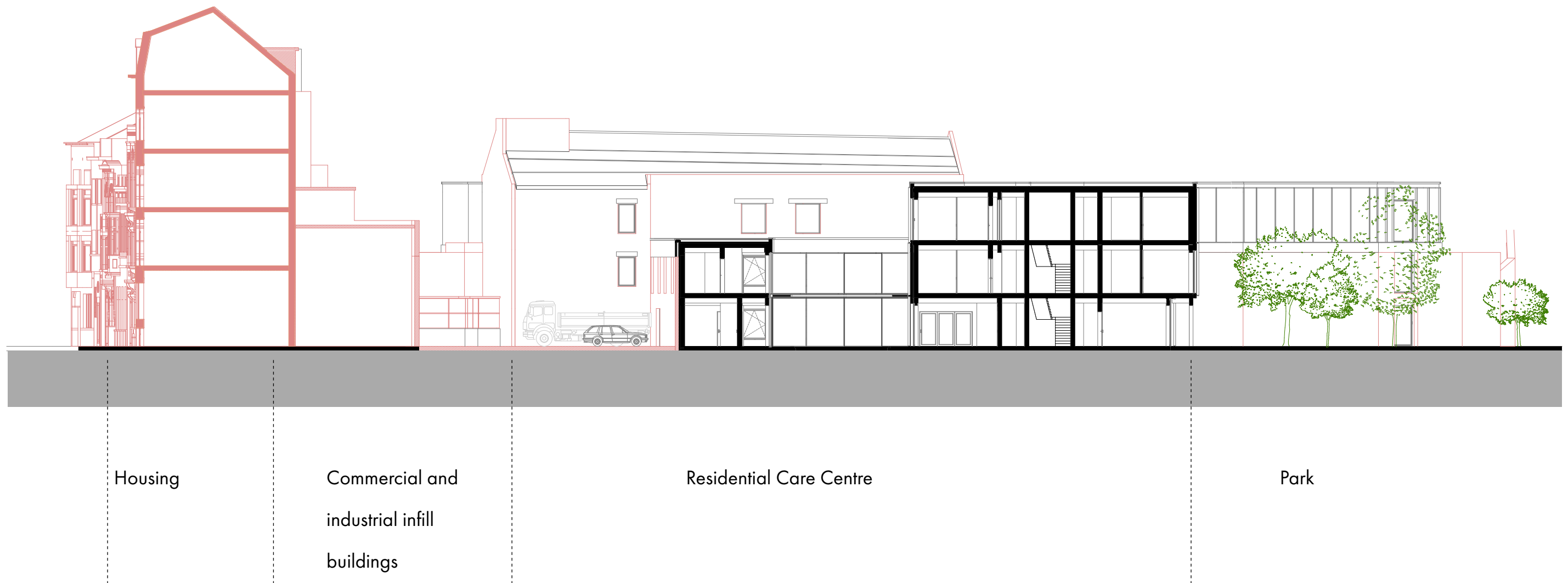


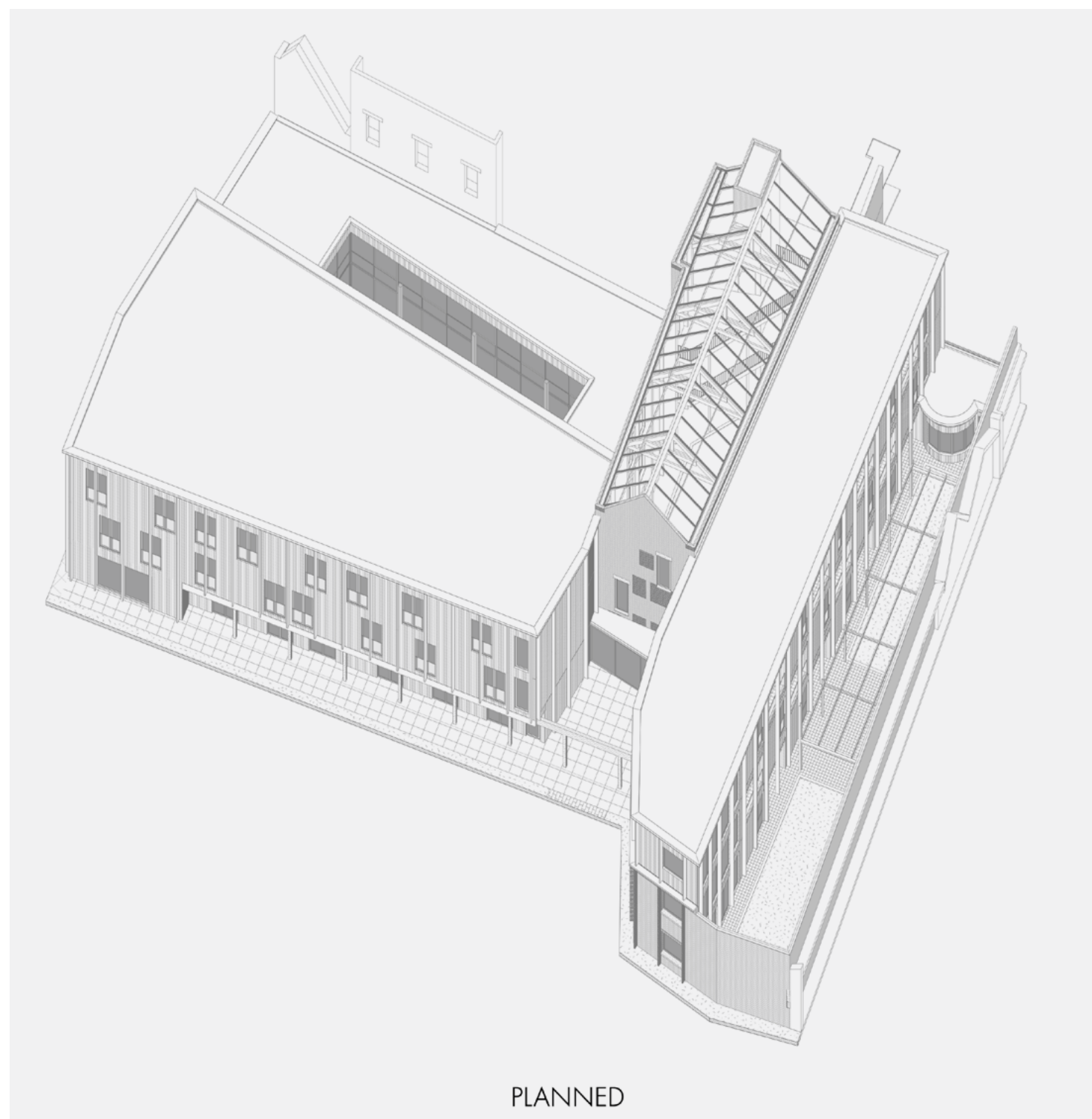
Elderly

A new residential care centre protected in the centre of the block and accessible to the public for the service of daycare/short-stay, and for the social restaurant. This new group also benefits from the park and from the adjoining square between the factory and the care centre.

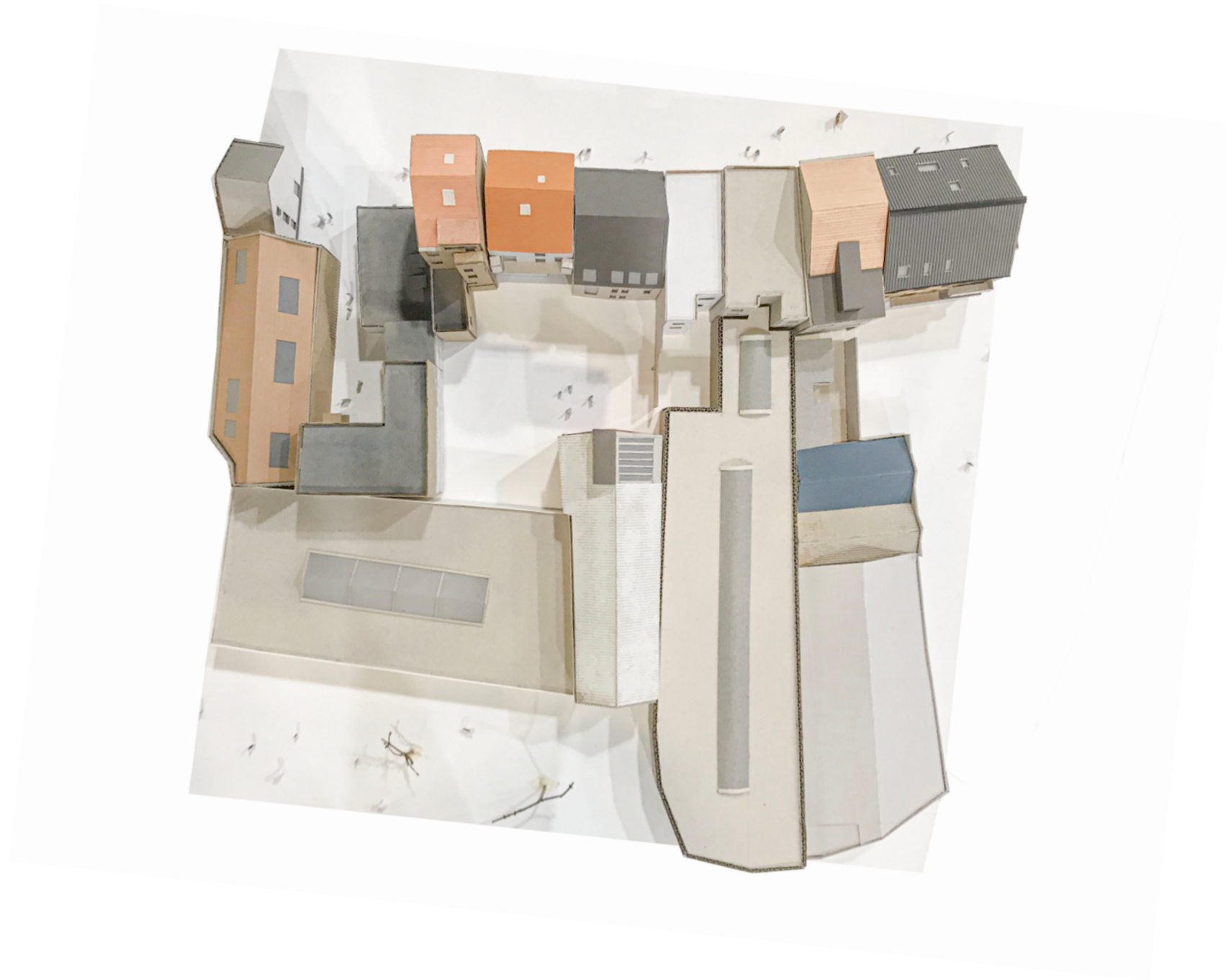
Assisted living building which is directly facing a school and is next to the social housing







Residential care centre



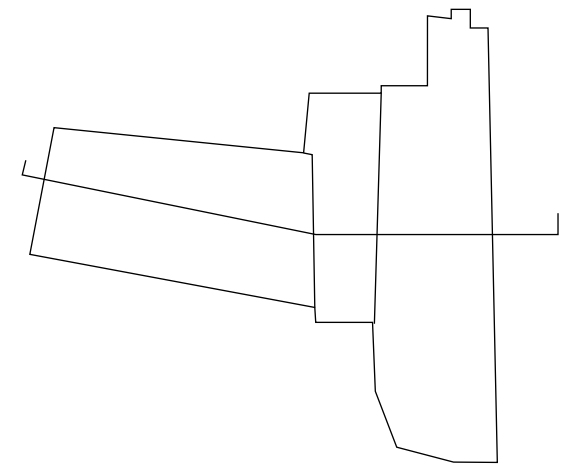
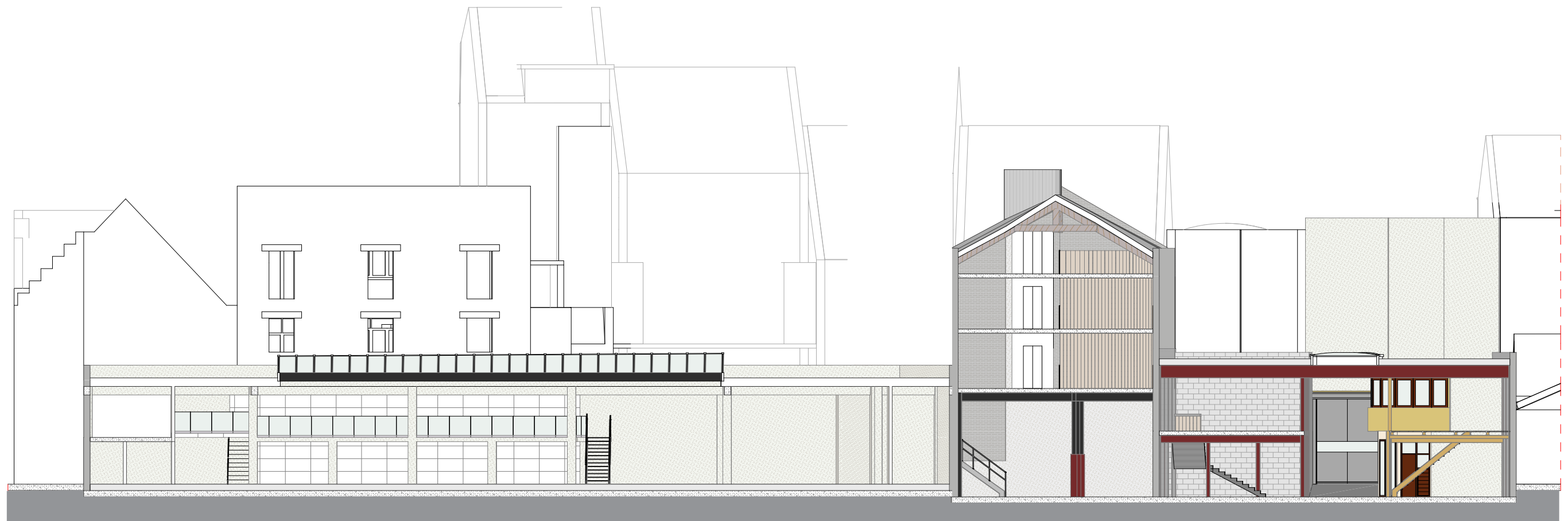
Bricolage noun

Bricolage can be best described as the hands on creation of an object using the limited but heterogeneous repertoire at hand. Often resulting in atypical means of construction opposed to those used by a craftsman. The bricoleur, someone who engages in bricolage, advocates for the re-appropriation of material, often giving conventional objects uncommon meaning.

Exhibition - Graduation Studio: Spolia







Latitudinal section (existing)



“When we see people from abroad they tell us this is like a magic box. Because every door you open its another building.”

Executive of Belgian Sanitary Company during a tour of the building. Filmed by Sam Stalker.



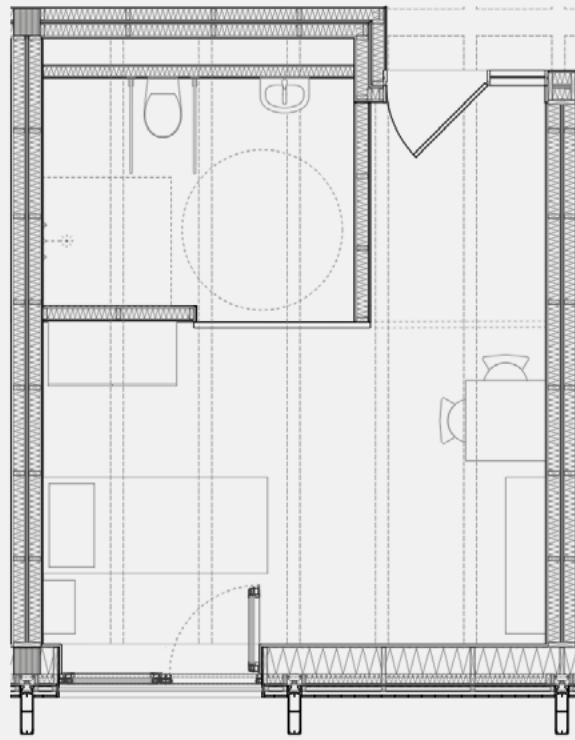
- 1 - Reception
- 2 - Social restaurant
- 3 - Bar
- 4 - Multifunctional room
- 5 - Hairdresser
- 6 - Pedicure/manicure
- 7 - Therapy
- 8 - Offices
- 9 - Animation/Activities
- 10 - Fitness
- 11 - Living room
- 12 - Kitchen
- 13 - Logistics
- 14 - Storage
- 15 - Technical room



- 1 - Living room
- 2 - Kitchen
- 3 - Sitting/dining
- 4 - Assisted bathing
- 5 - Activity room
- 6 - Storage

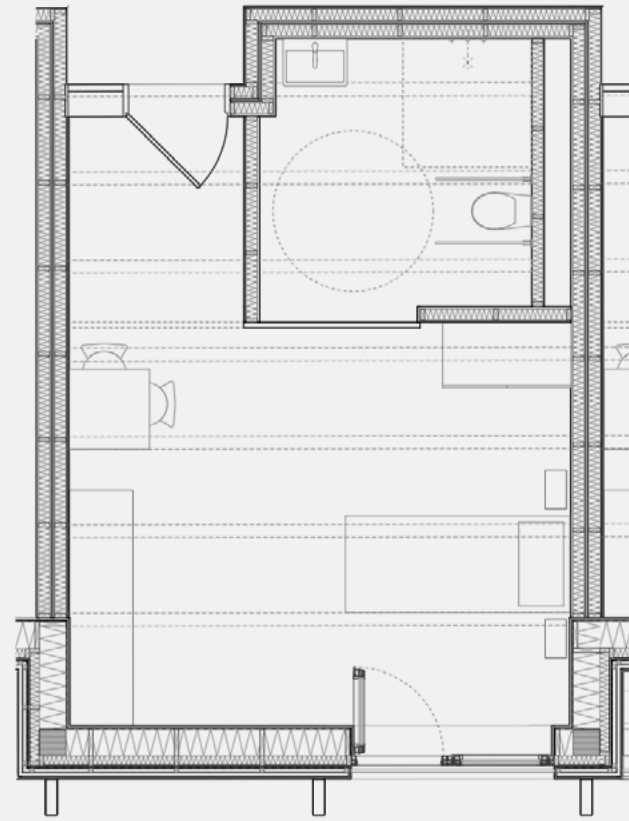


A



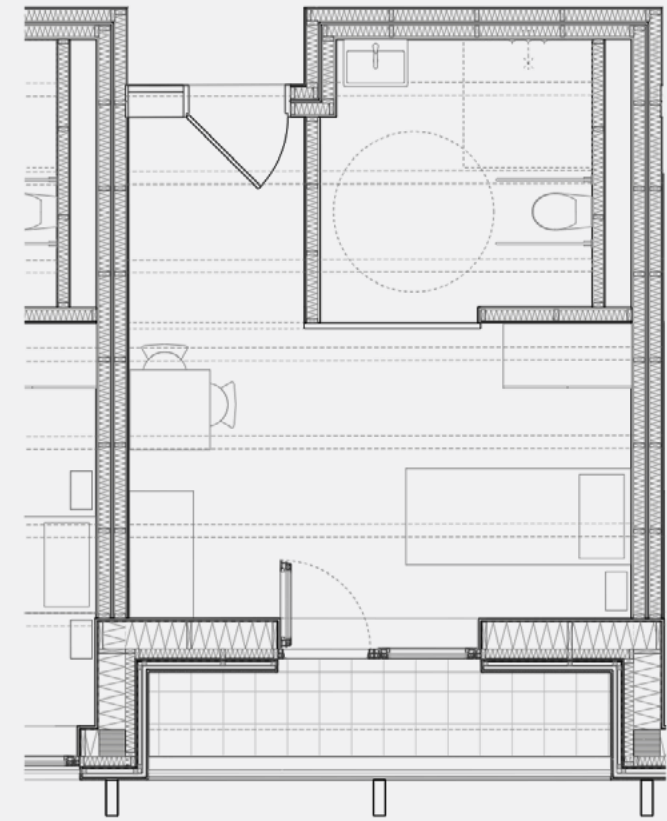
exterior

B



exterior

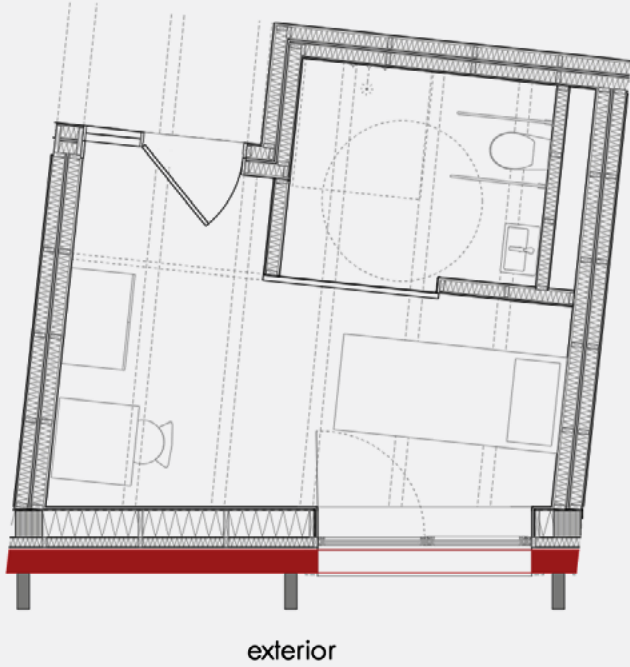
C



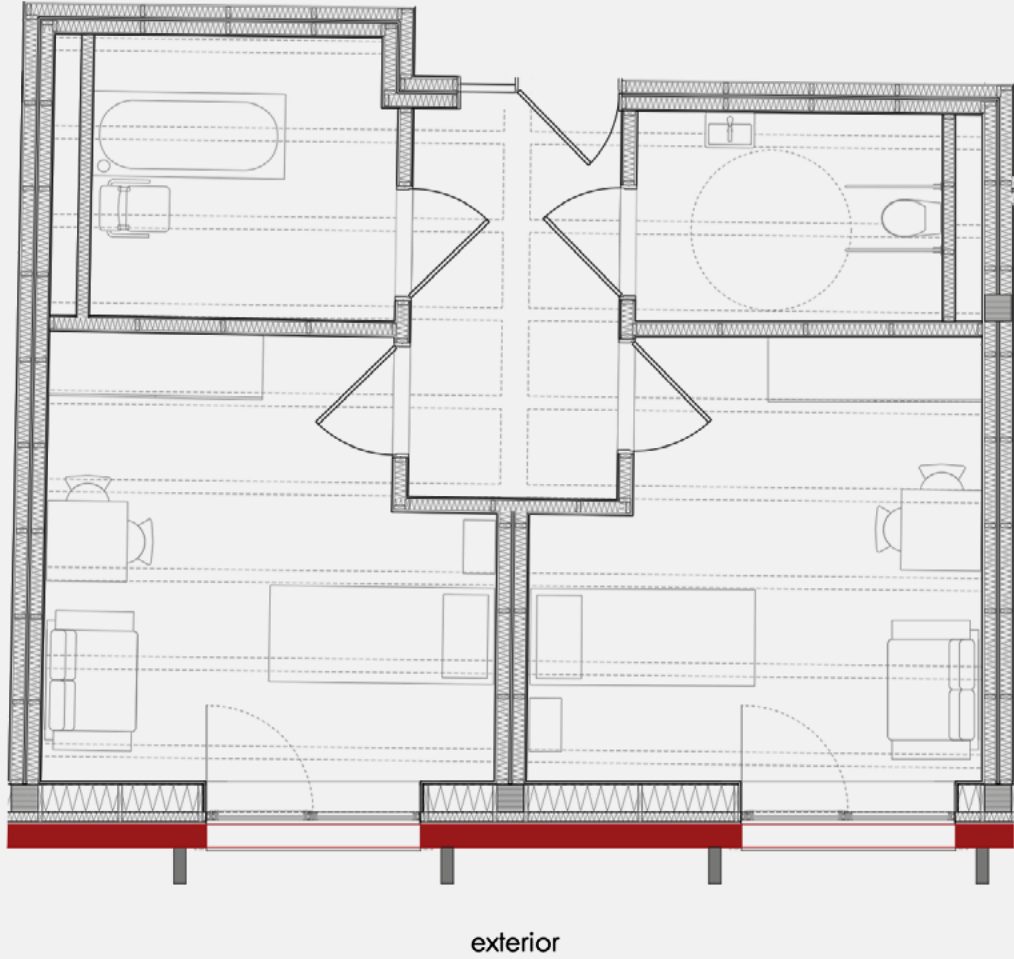
exterior

0 1 2.5

D



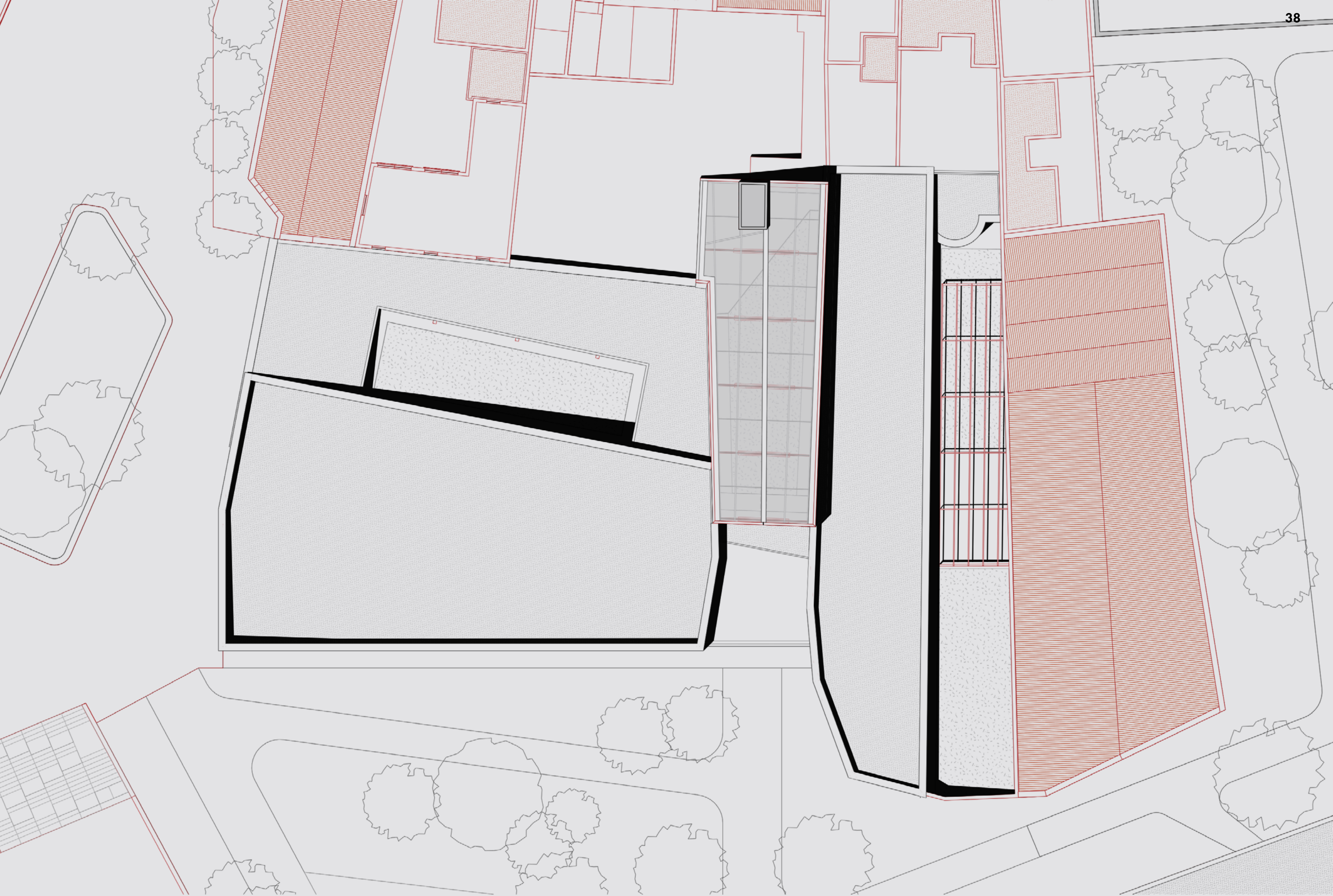
E

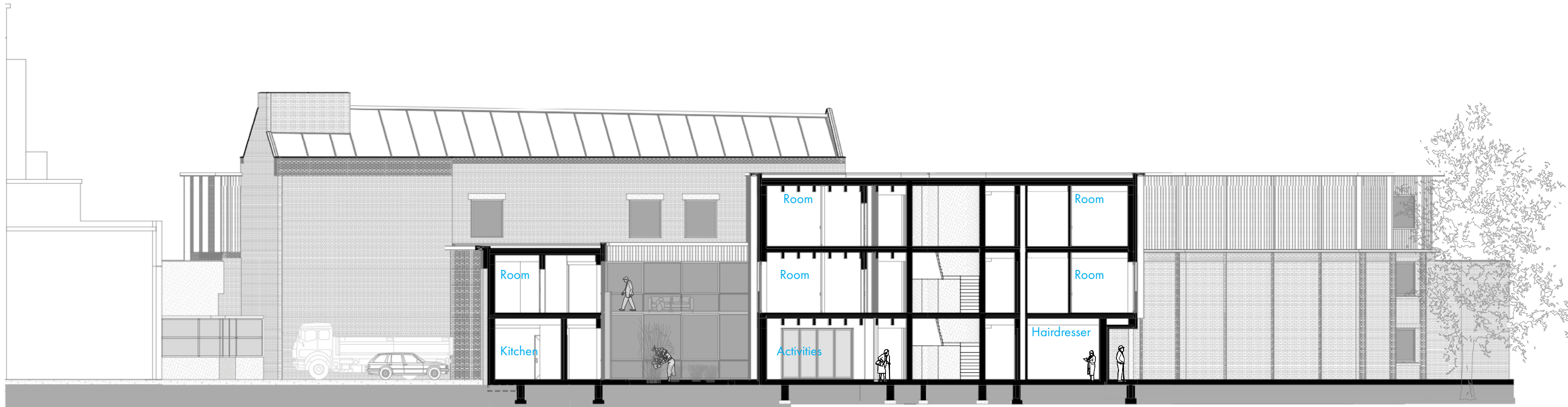
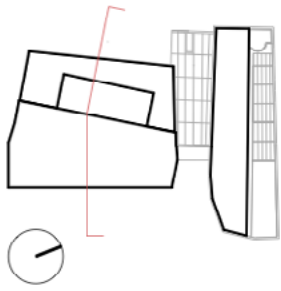




- 1 - Living room
- 2 - Kitchen
- 3 - Sitting/dining
- 4 - Assisted bathing
- 5 - Storage

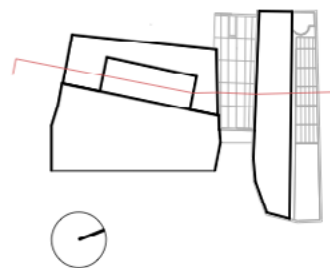






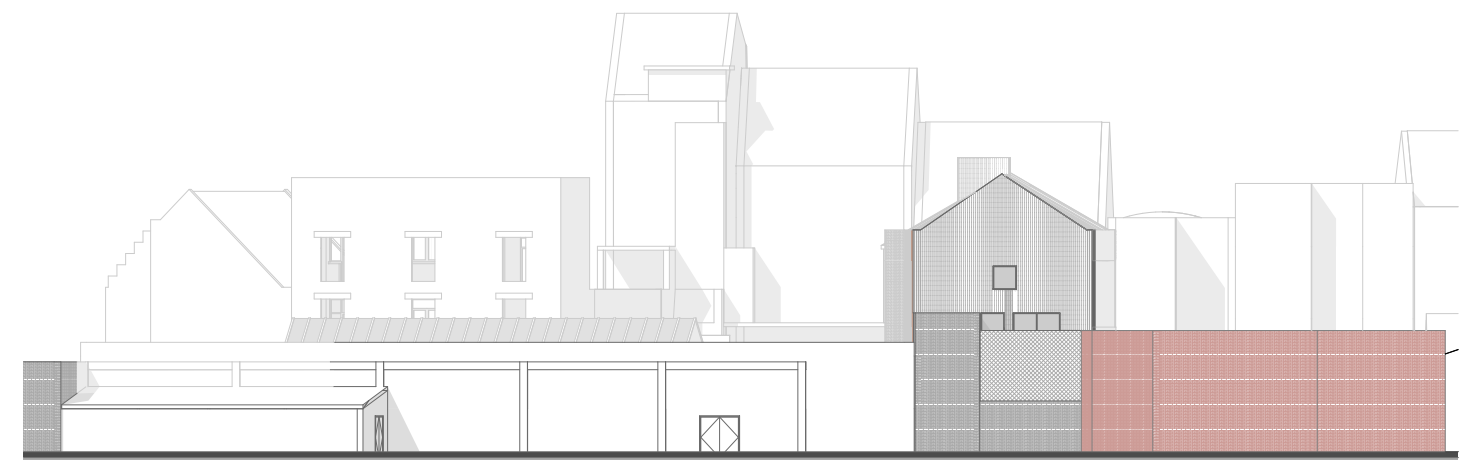
Longitudinal section

0 1 2.5 5



Latitudinal section

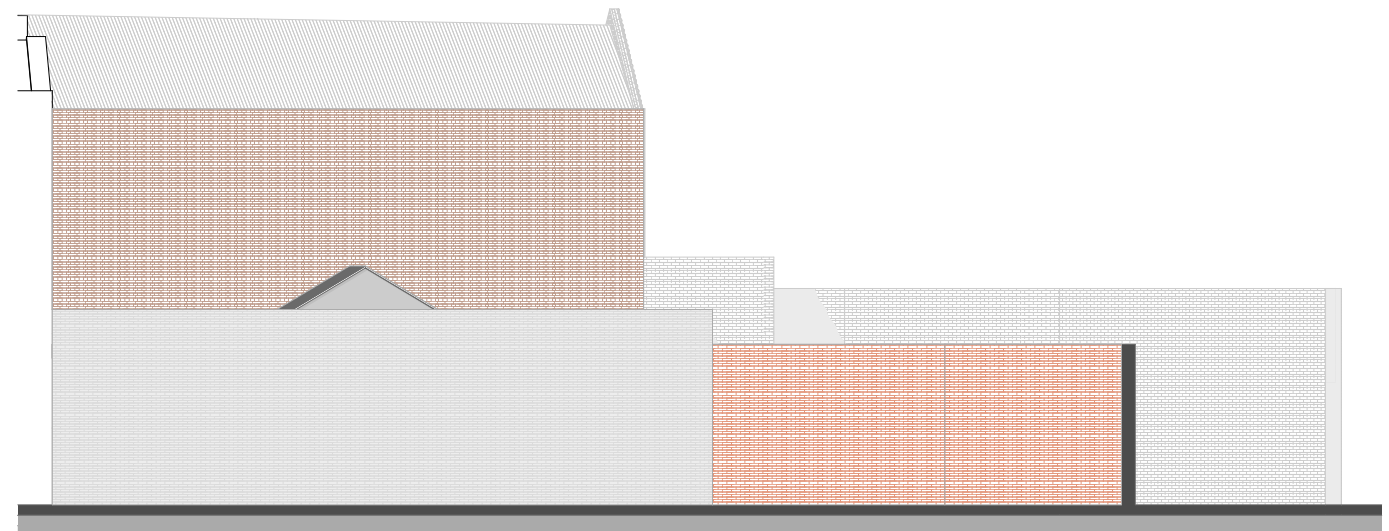
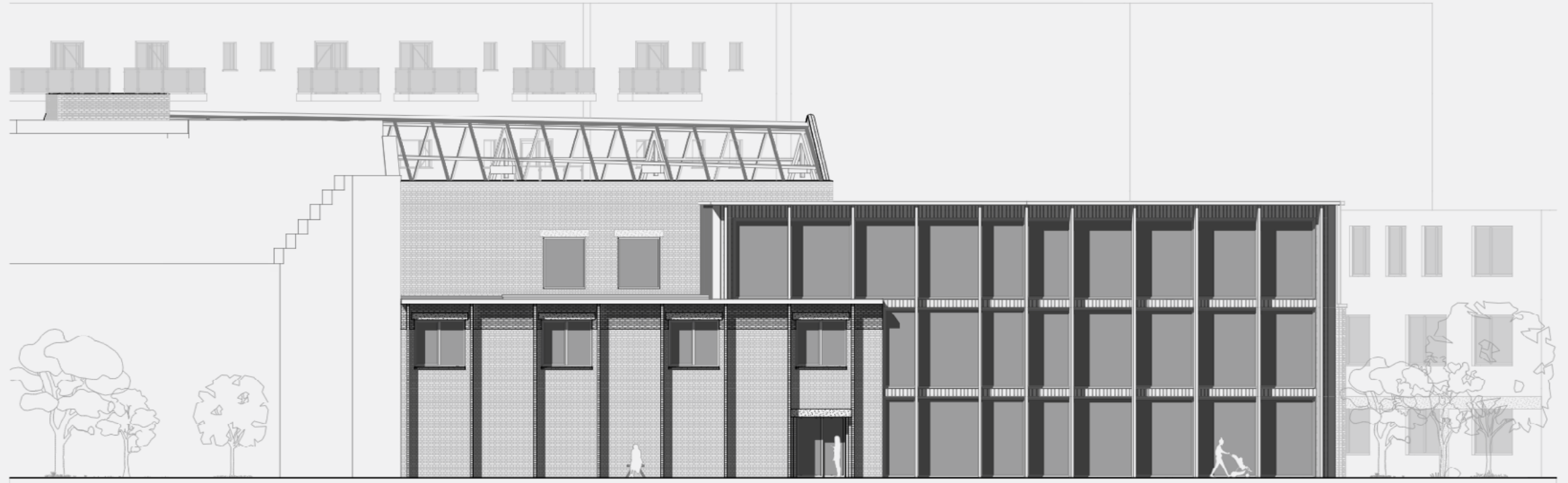
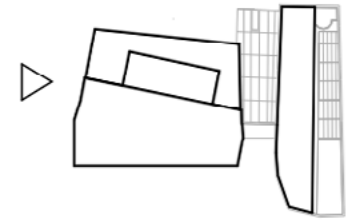
0 1 2.5 5



East elevation (park)



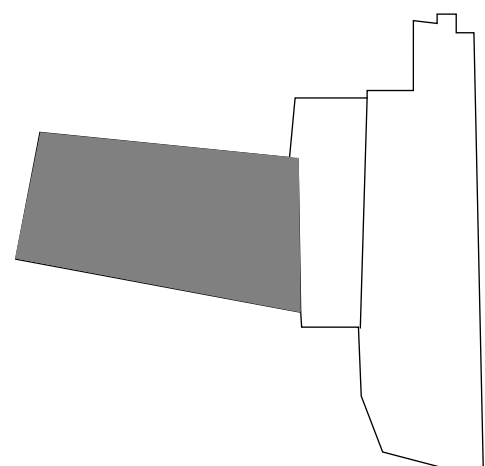




South elevation (square)



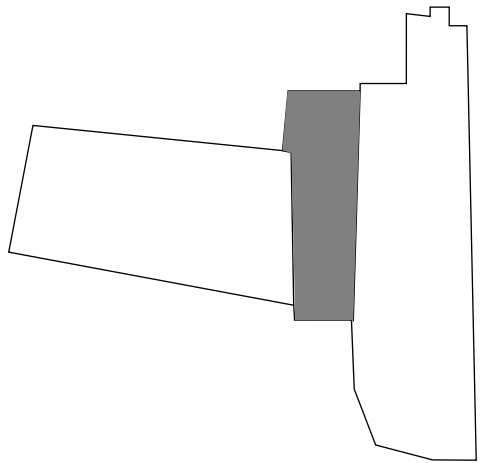




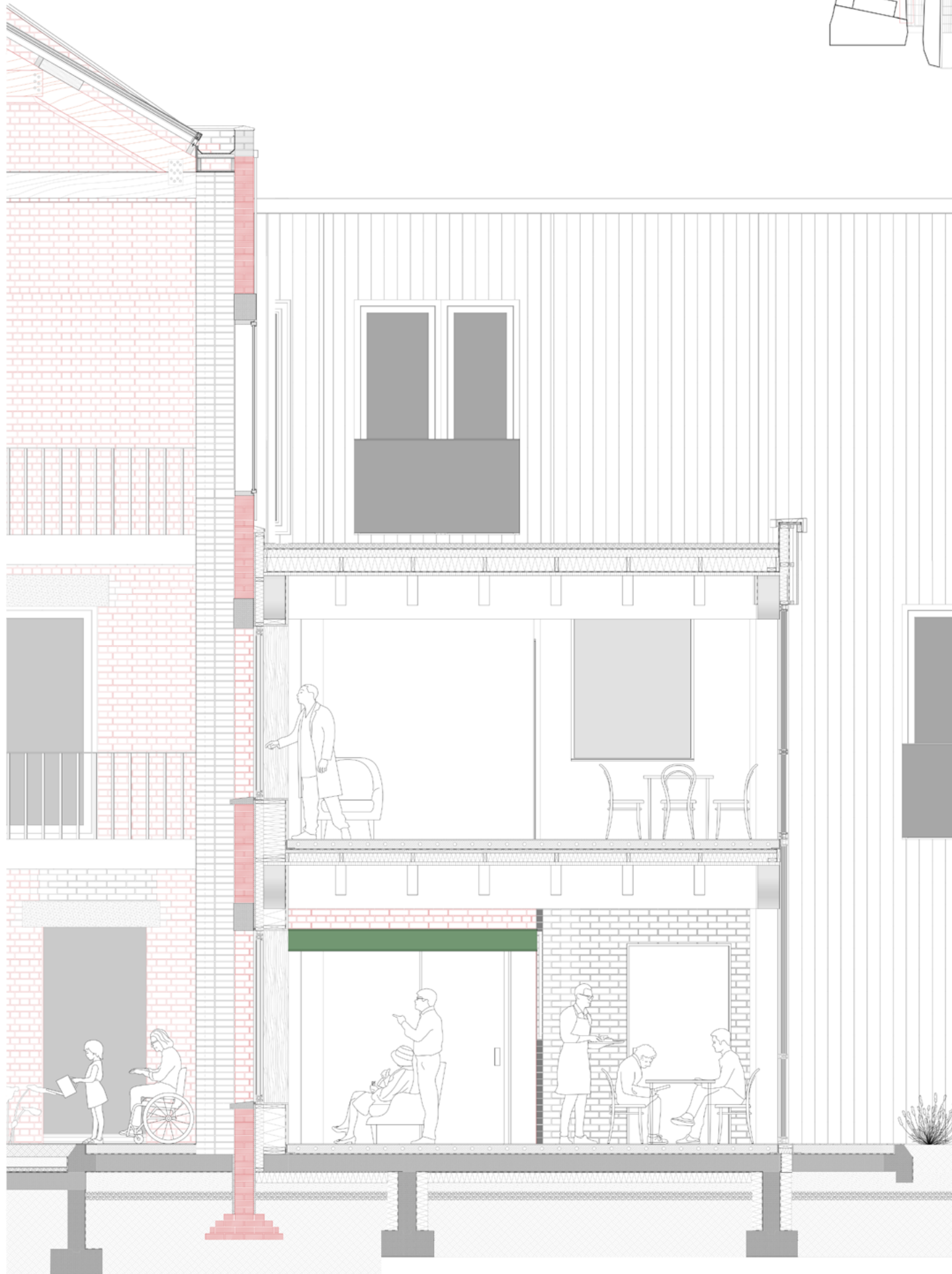
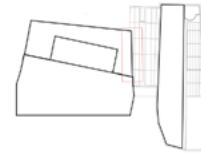
Inside Modern Event - existing building



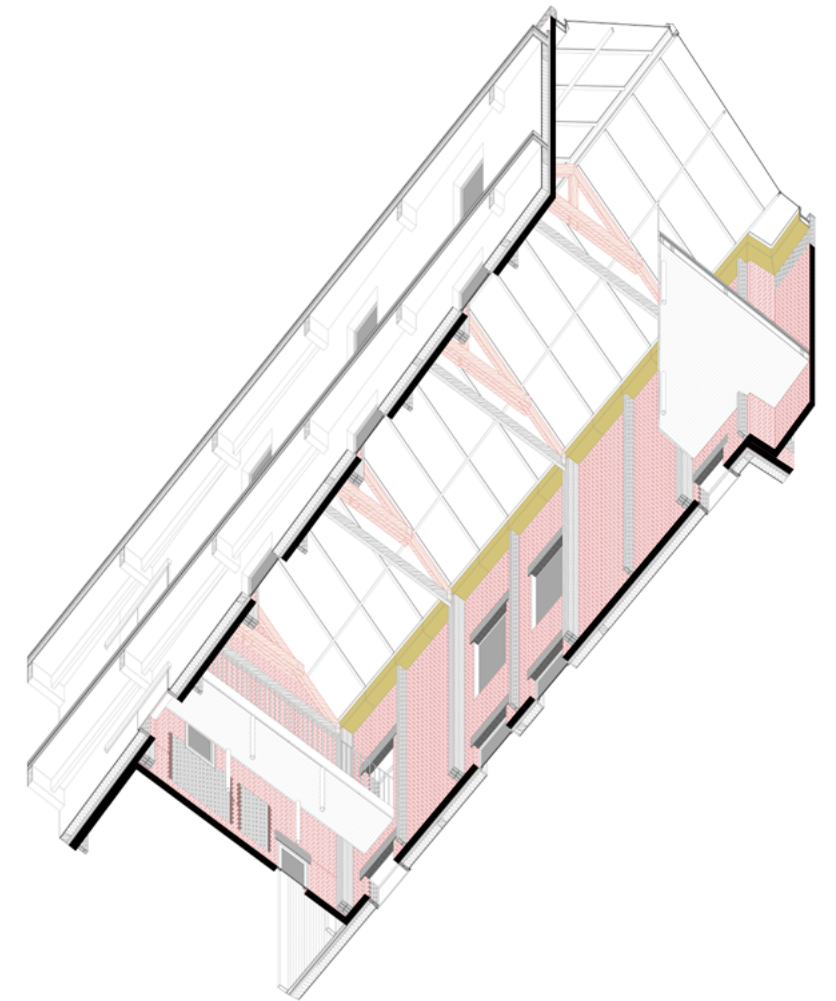
Southern garden



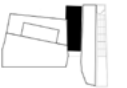


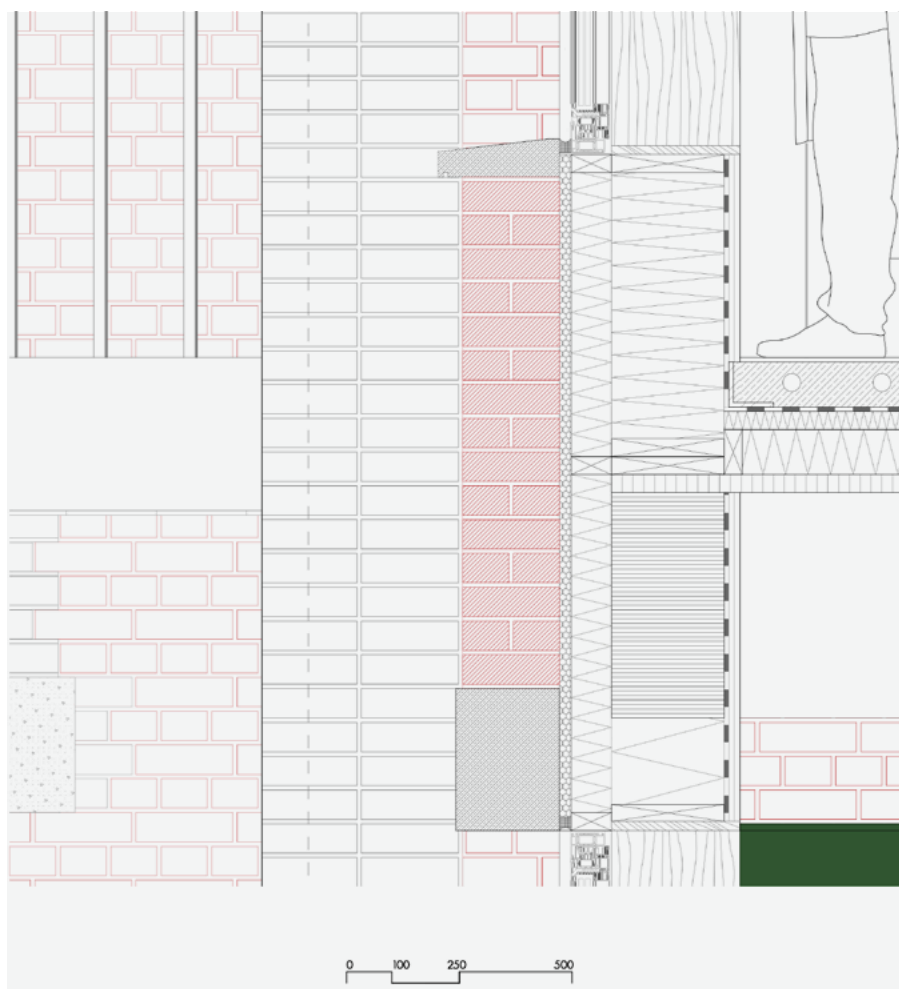


Section at Central garden



Central garden





Wall:

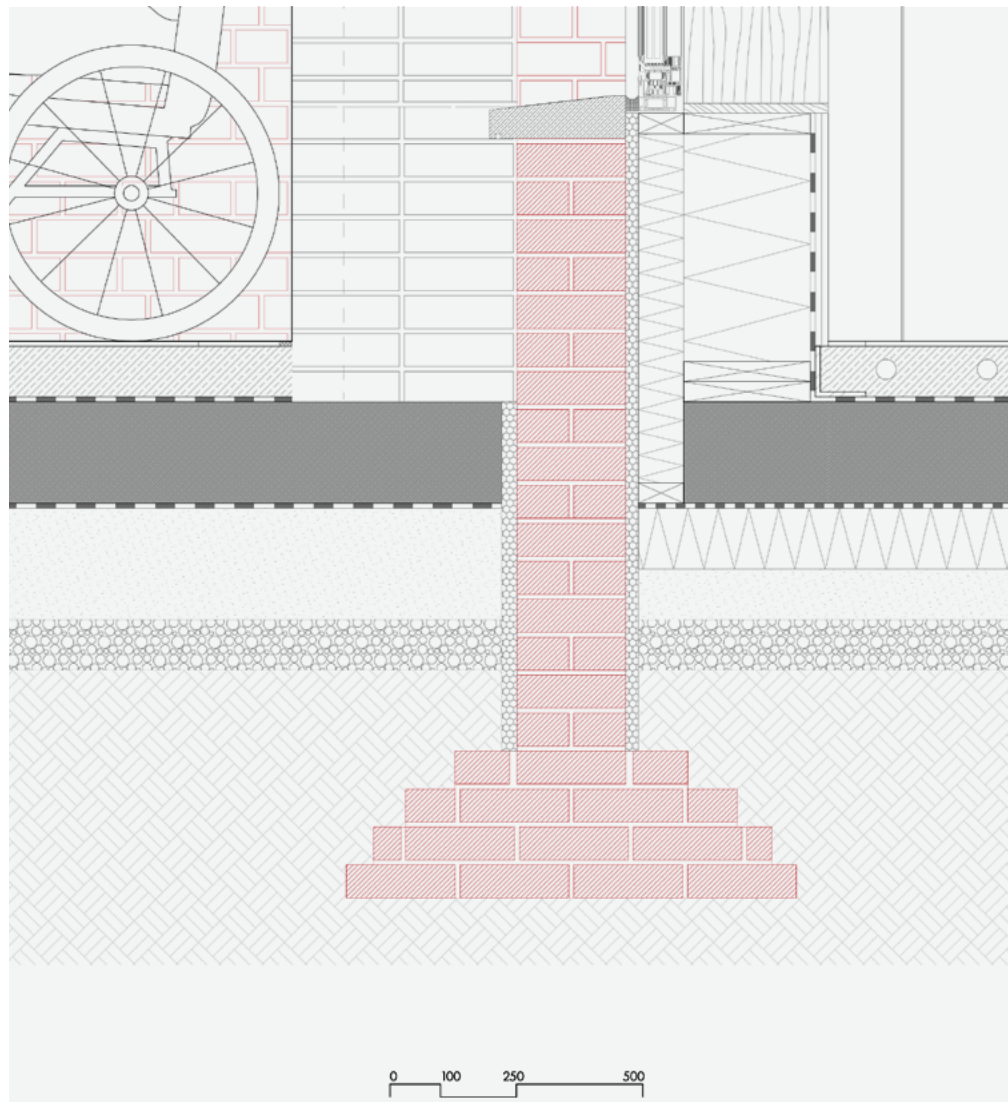
Existing brick wall 225mm

25mm cavity spacer (Surecav)

250mm wood fibre insulation

90mm insulation

2x12.5 gypsum plasterboard



Floor:

10mm PU Floor

100mm screed (underfloor heating)

40mm footfall insulation

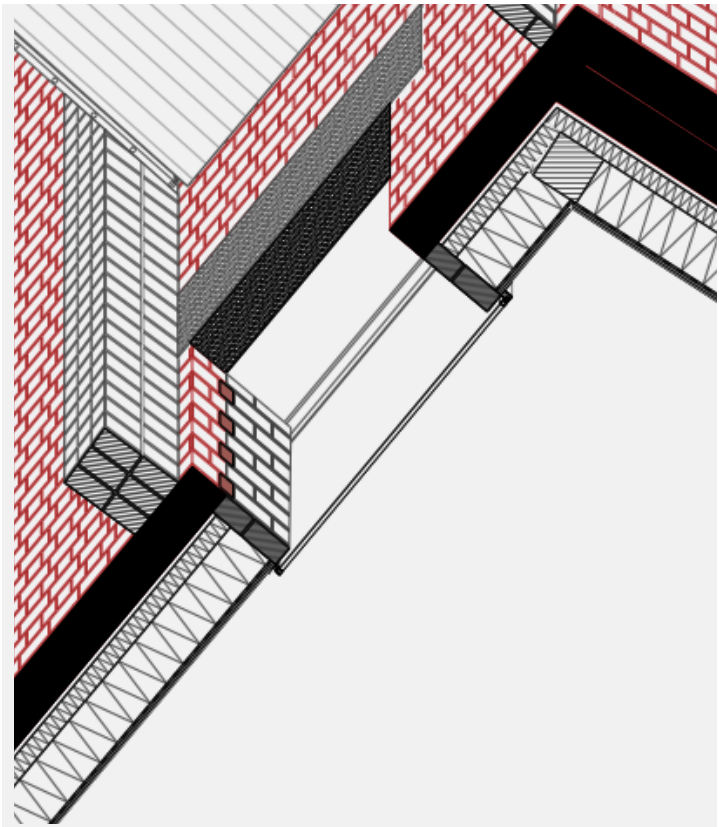
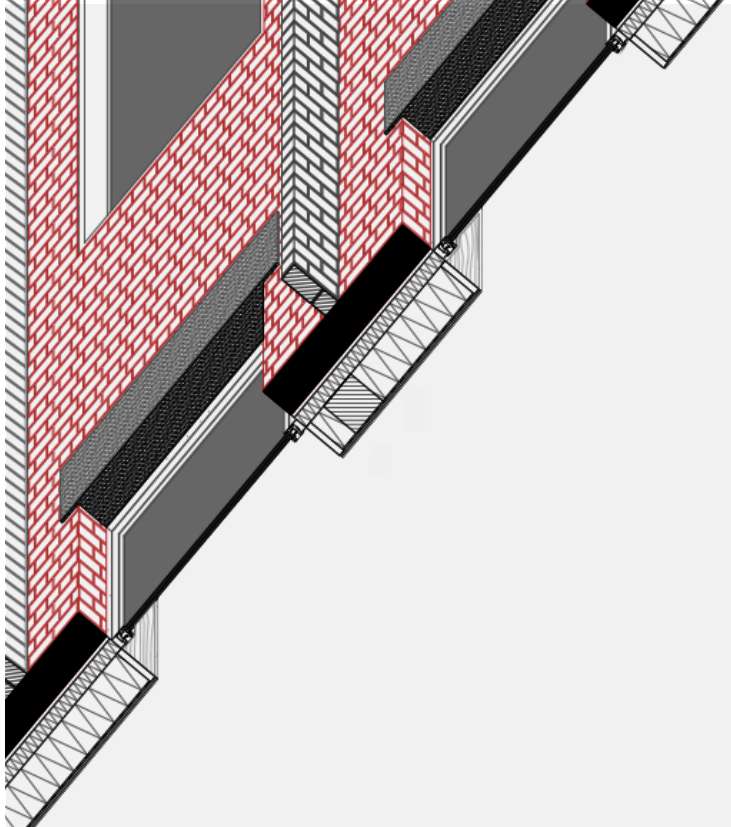
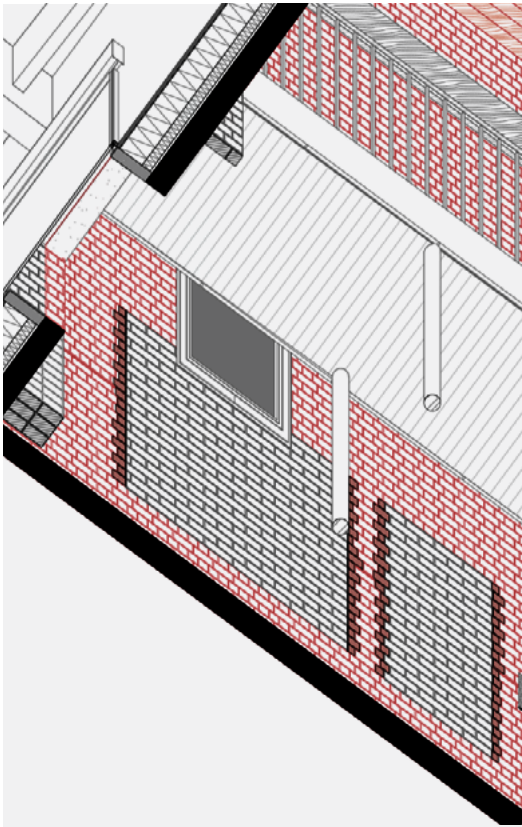
100mm thermal insulation

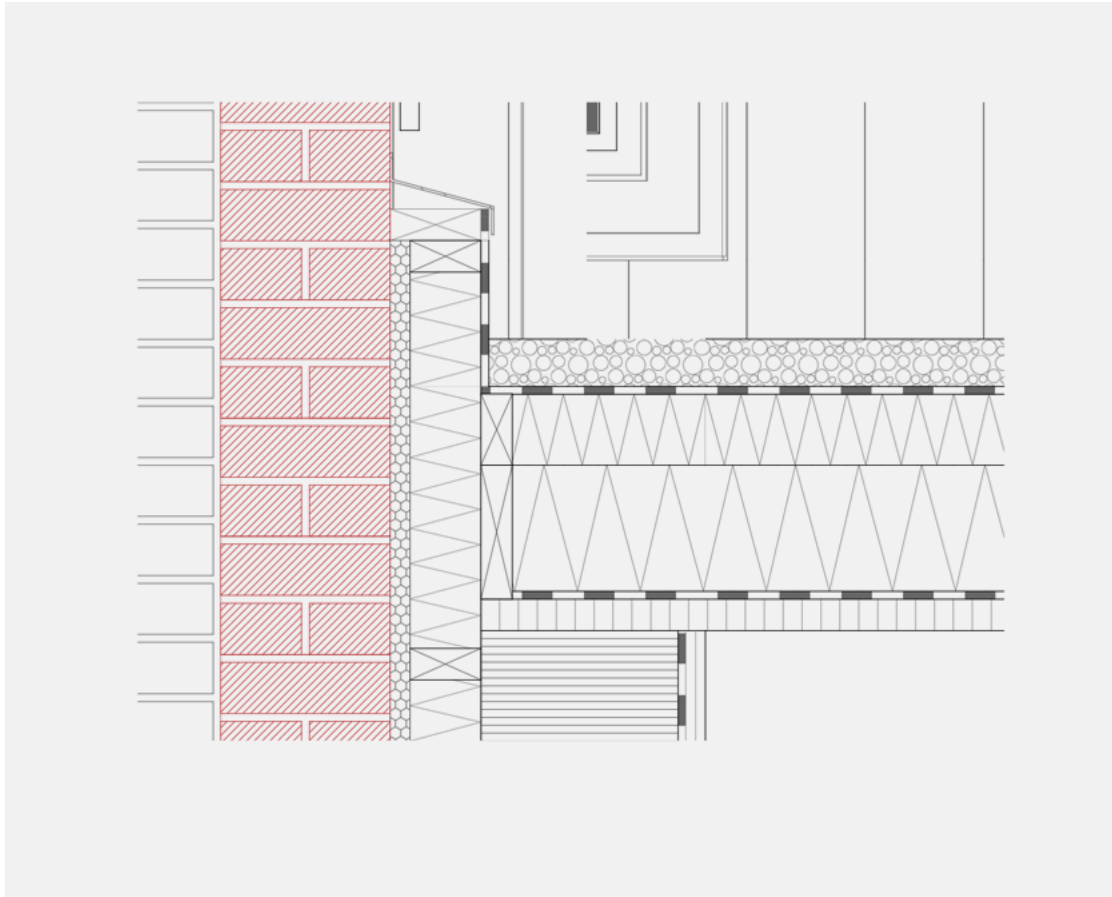
200mm reinforced concrete

waterproof membrane

120mm insulation

compacted sand and gravel layer





Roof:

60mm gravel layer

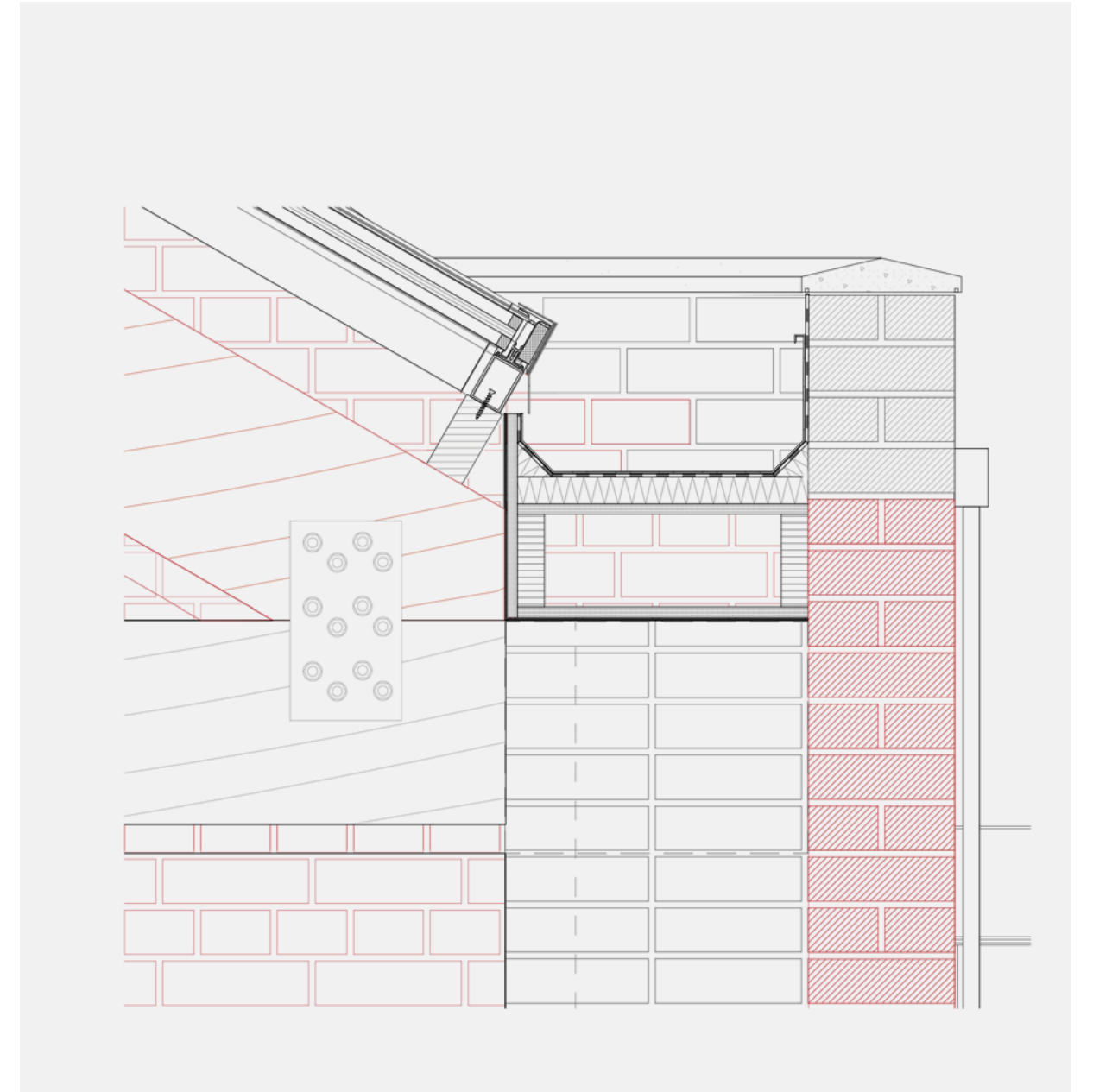
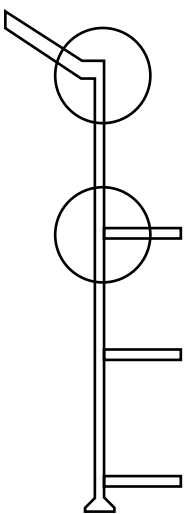
waterproof membrane

250mm tapered insulation

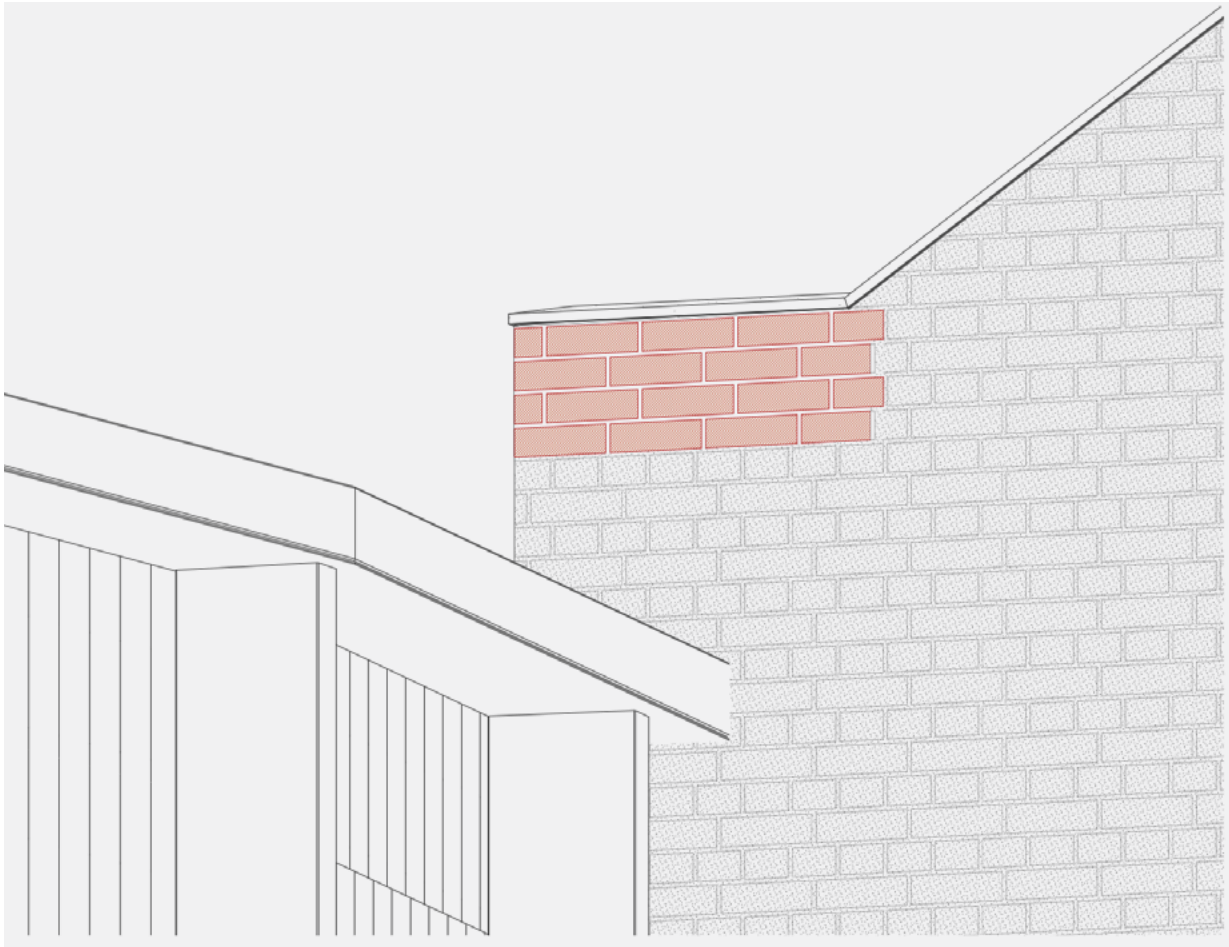
10mm vapour barrier

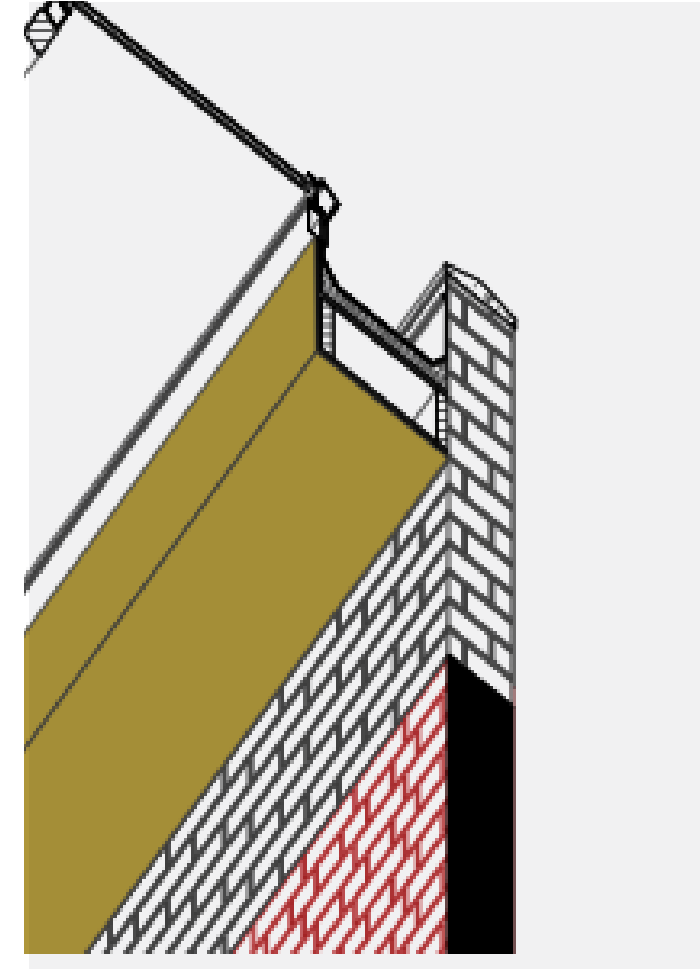
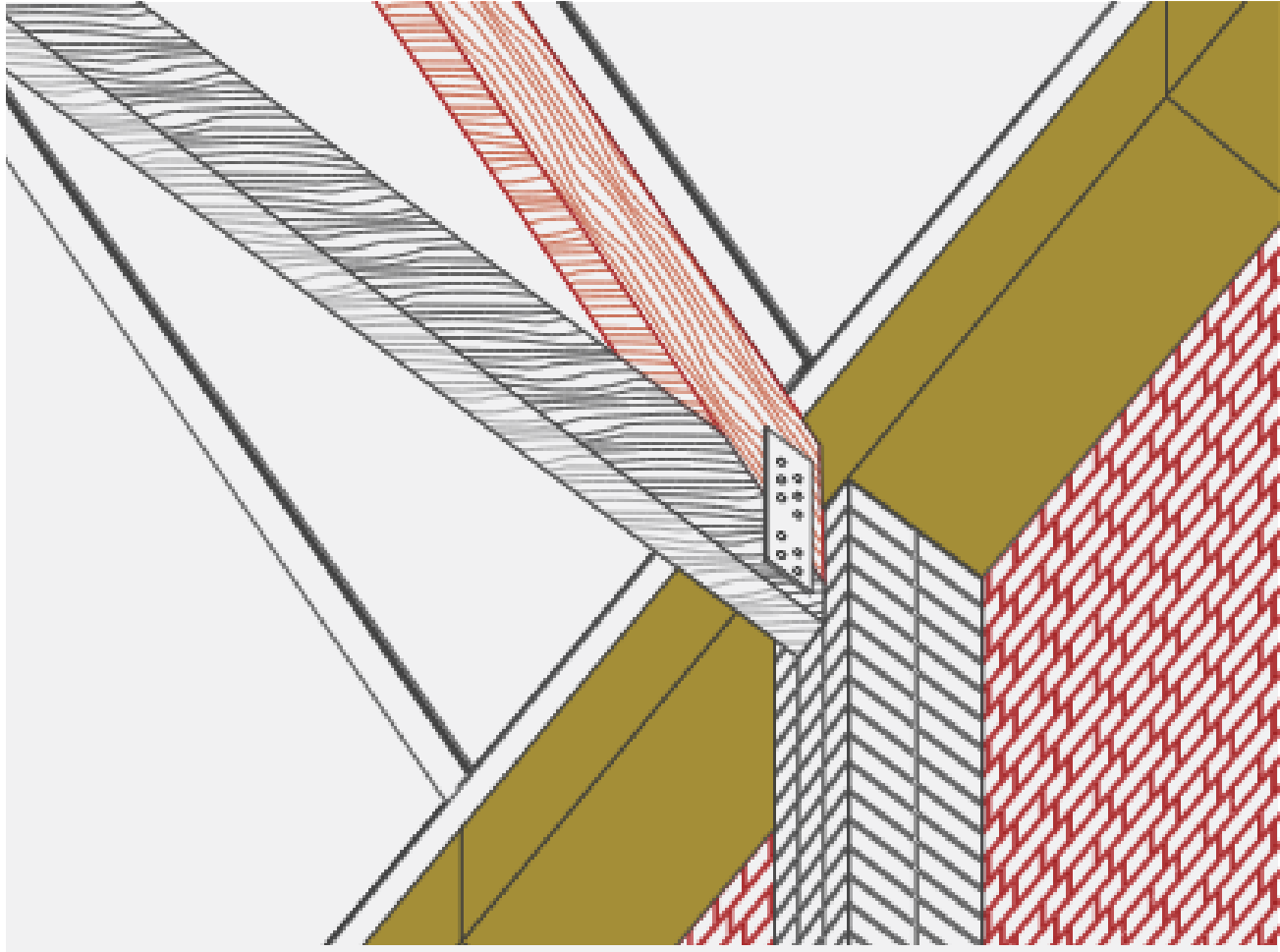
40mm LVL board (BauBuche)

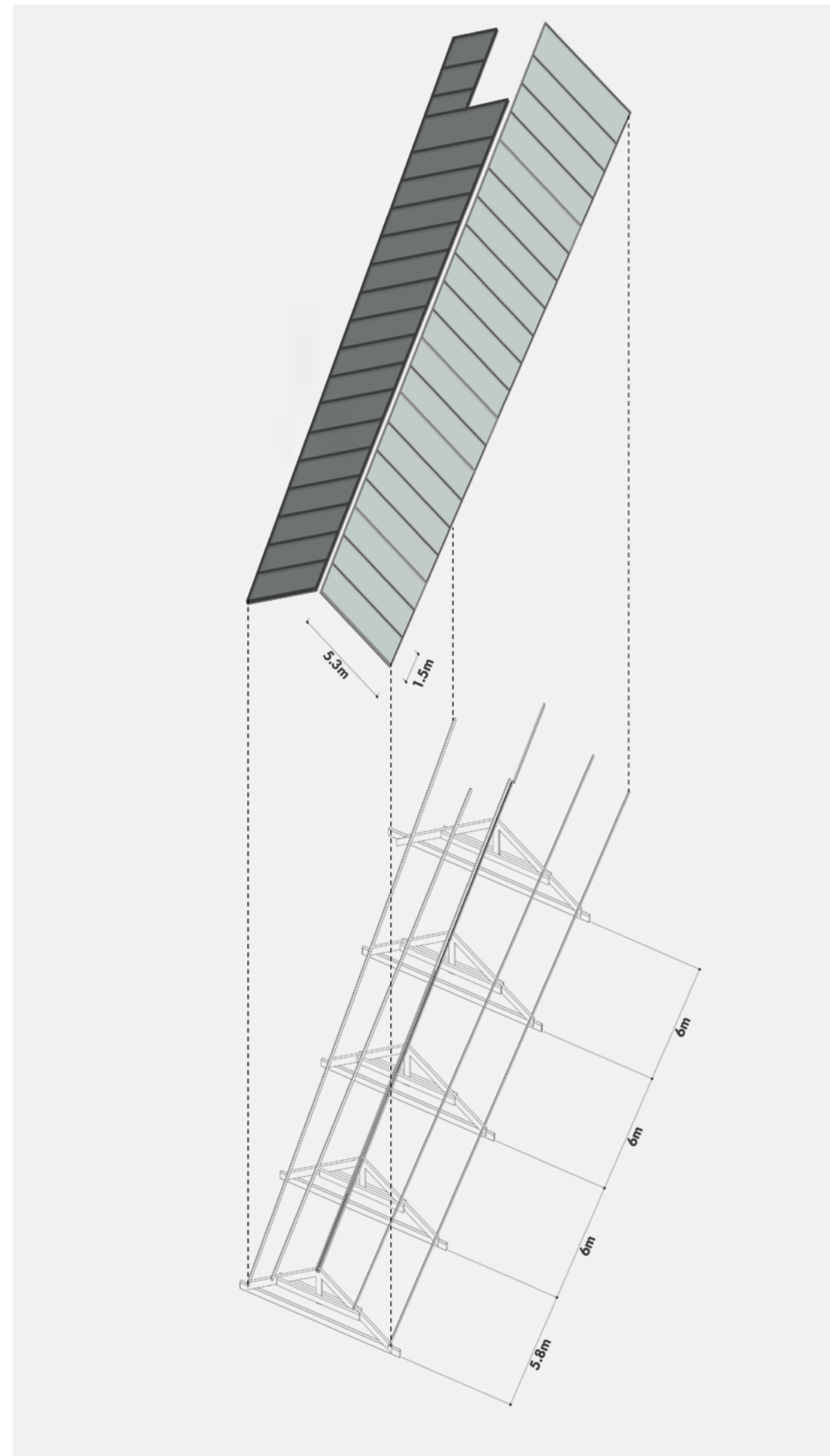
320mm laminated timber beam

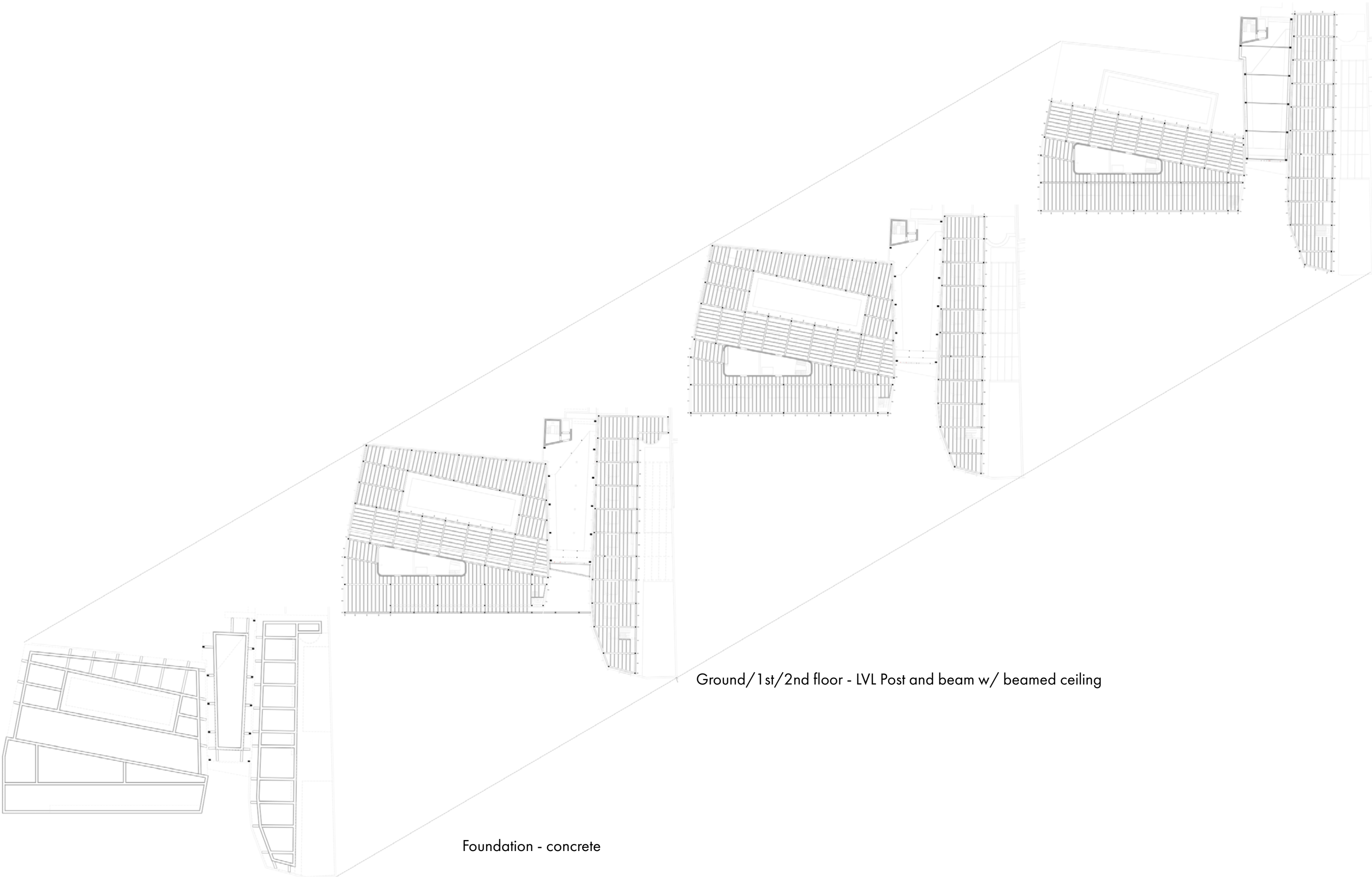


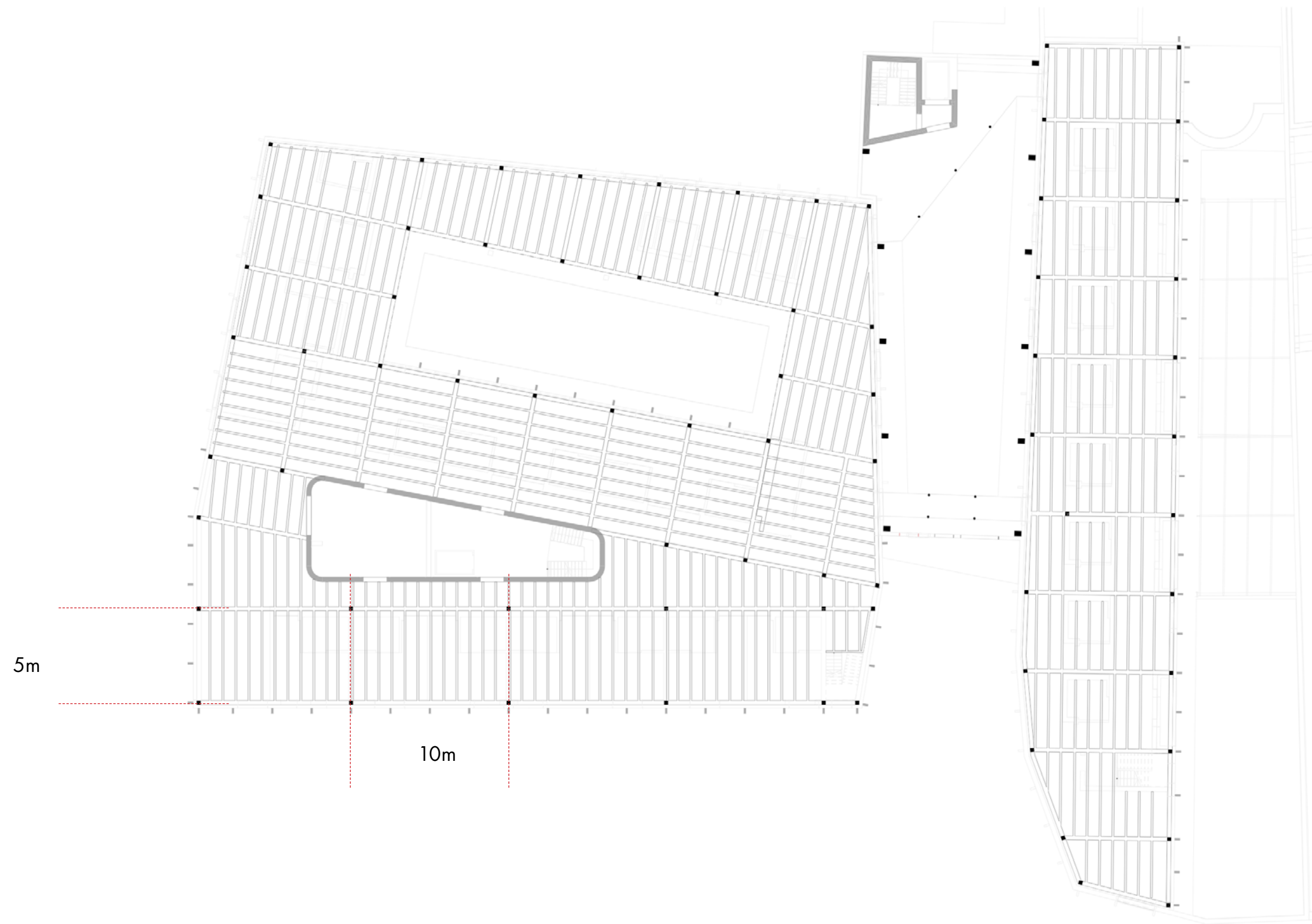
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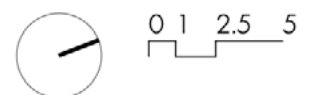


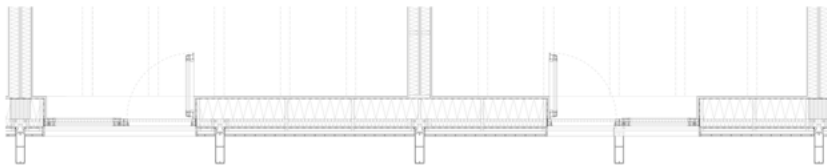
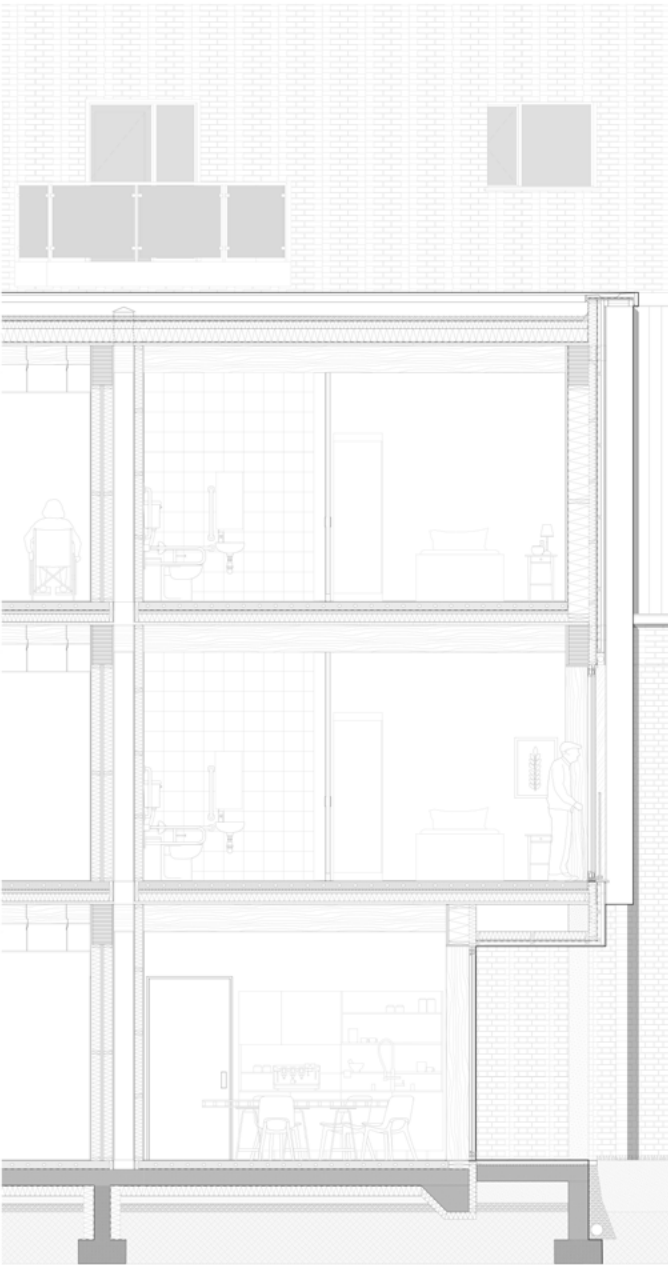
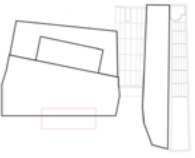






250x250 mm posts, 500x250mm lvl beams, 320x120mm floor joists





Reclaimed timber cladding

max. 3.8m long, 20 to 25mm thick, 130 to 230mm wide

East façade (Park)

0 1m

Length of boards

300mm
700mm

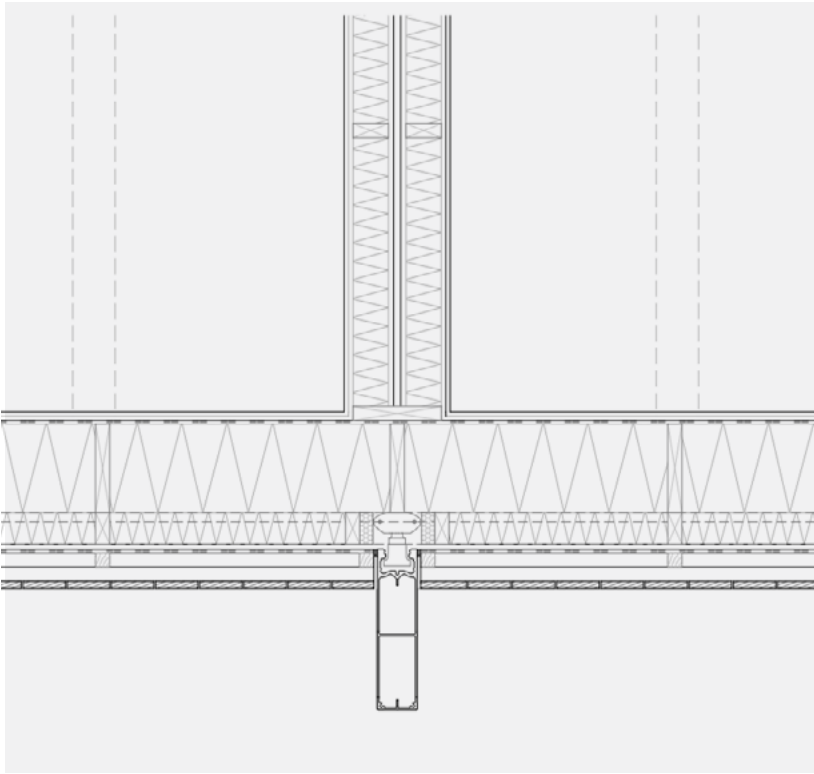
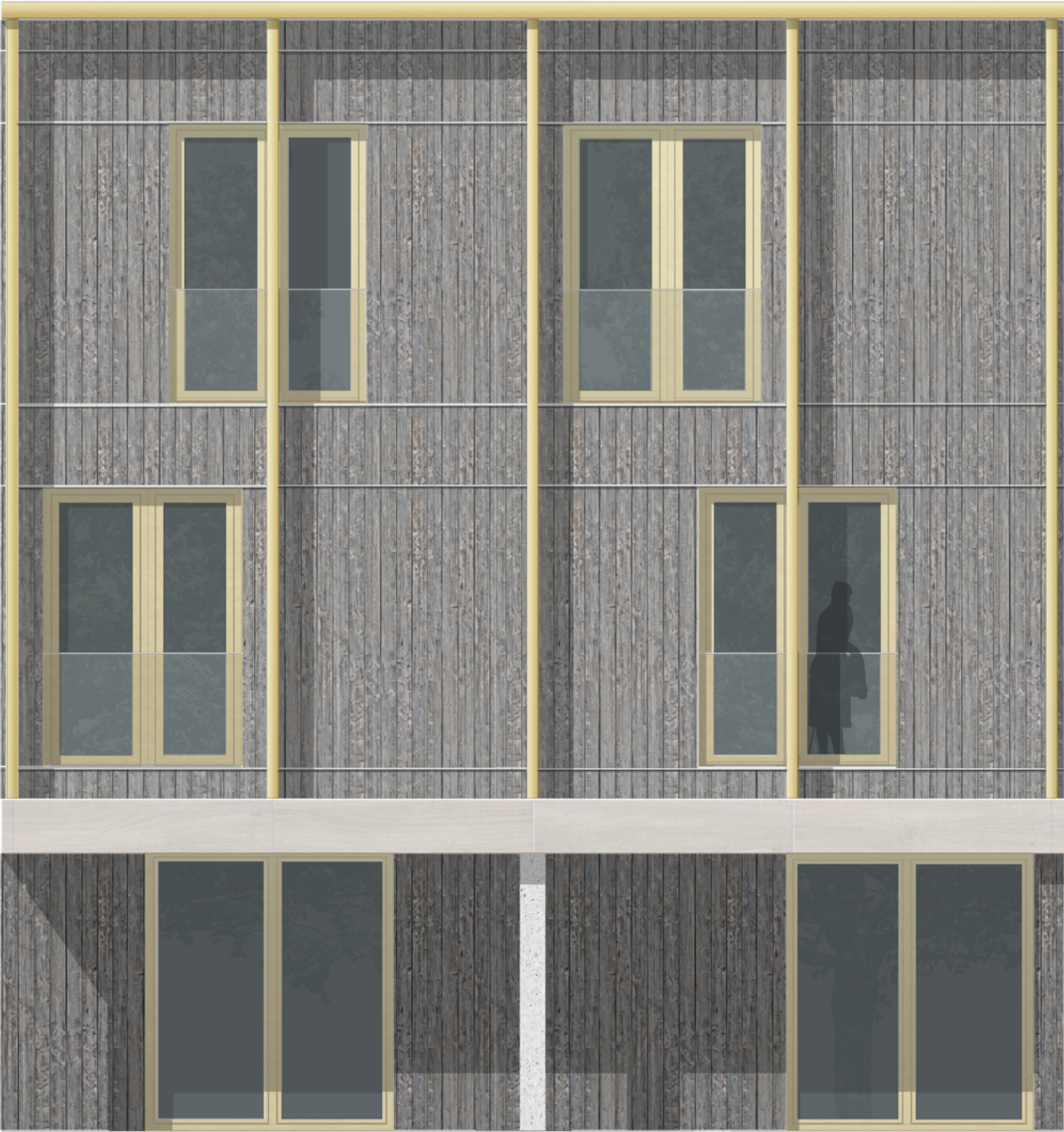
2700mm

800mm

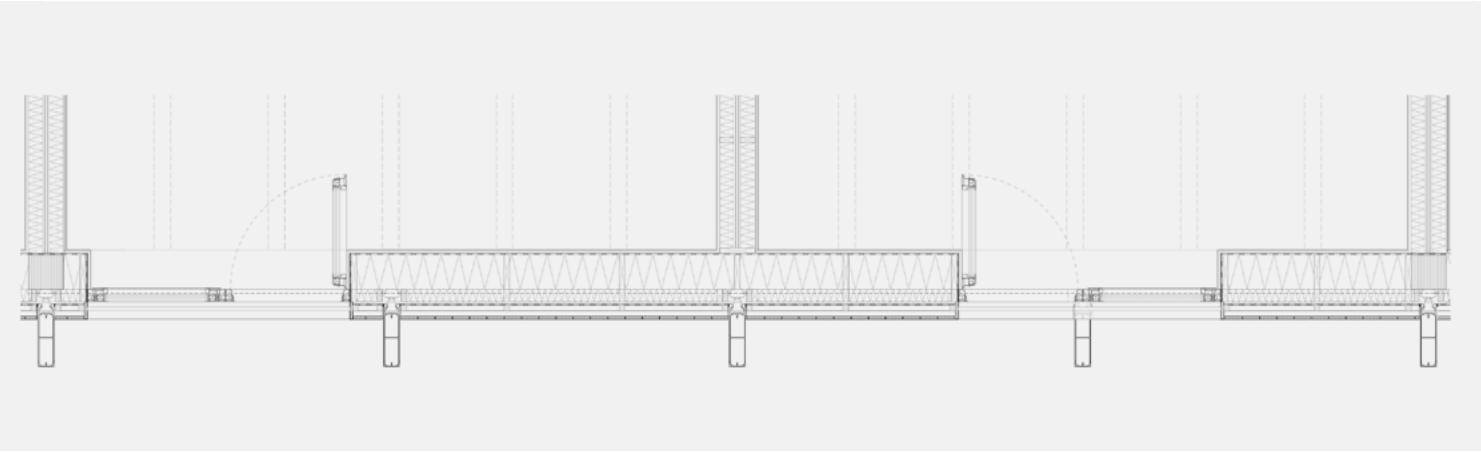
2700mm

300mm

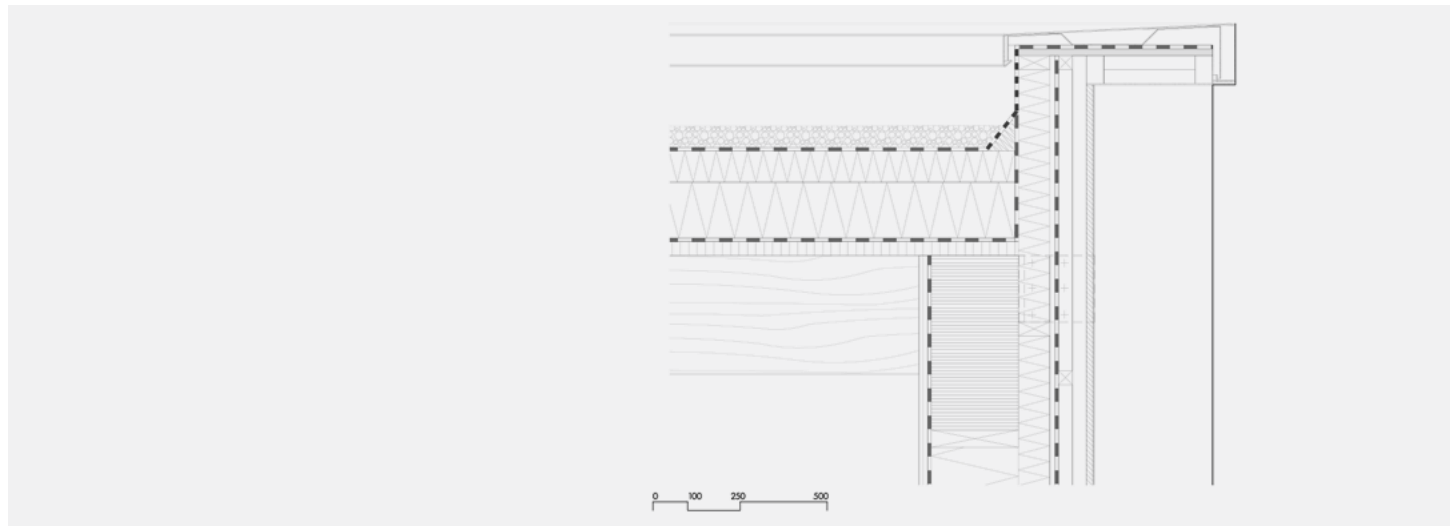
2675mm



Aluminium fin



Reclaimed timber cladding



Roof:

60mm gravel

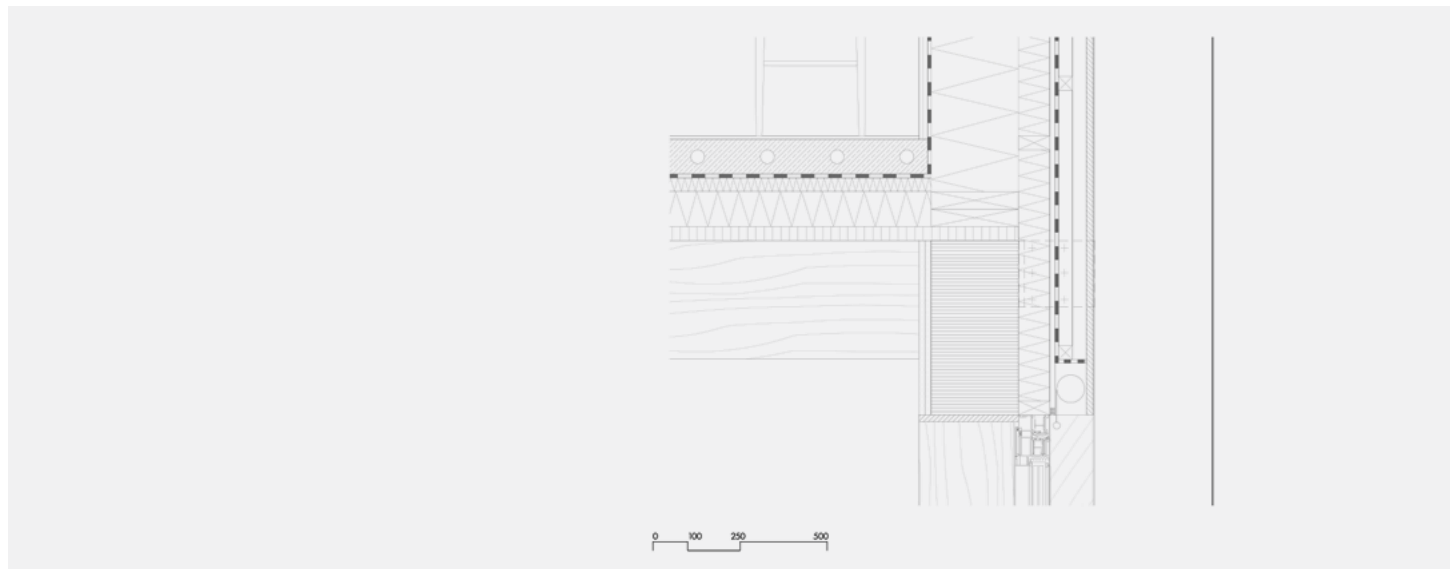
Waterproof membrane

250mm tapered insulation

Vapour barrier

40mm LVL board (BauBuche)

320mm laminated timber ceiling beam



Wall:

2x12.5mm gypsum plasterboard

250mm wood fibre insulation

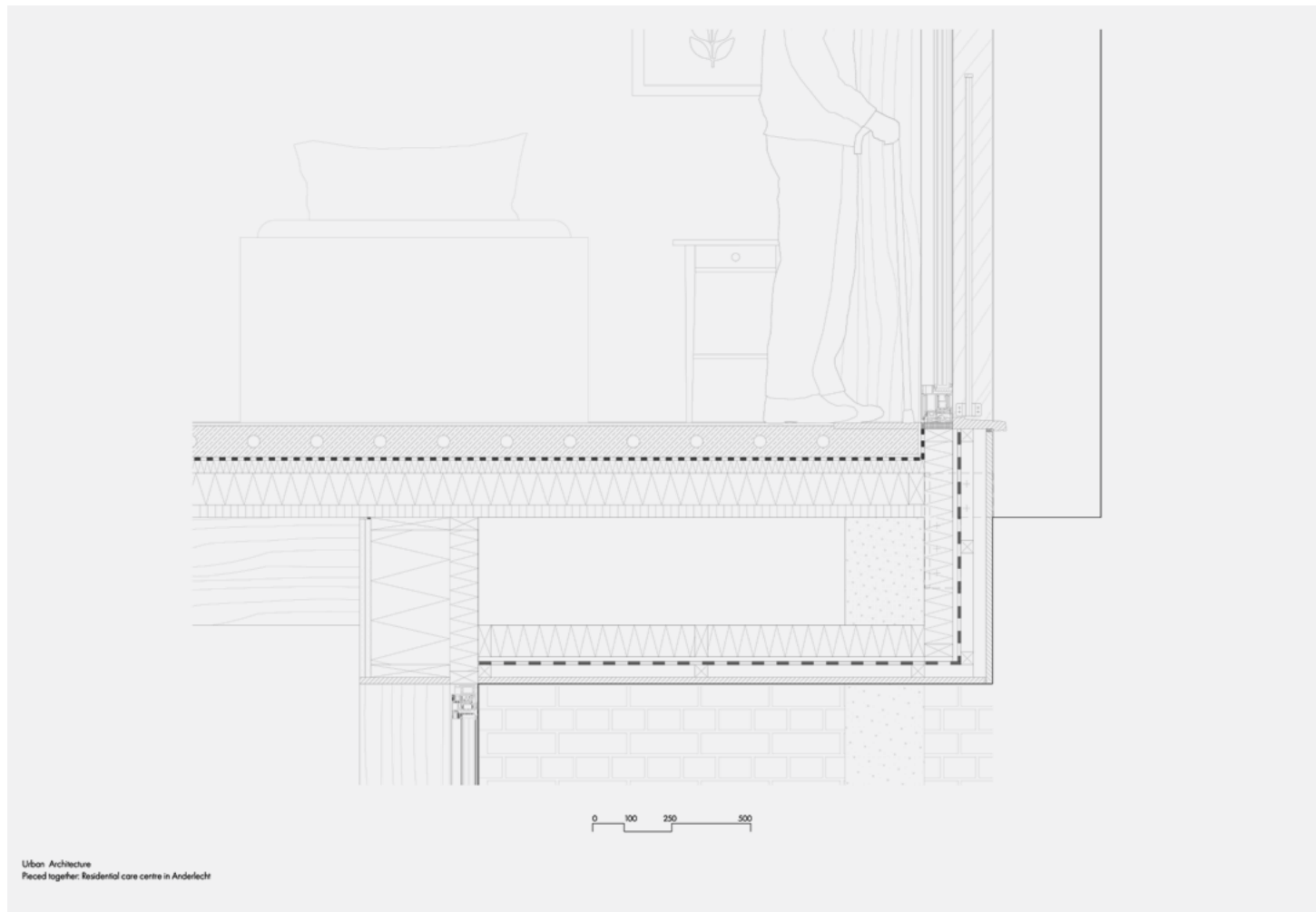
90mm insulation

15mm fiberboard

waterproof membrane

2x40mm wood battens

20mm back ventilated reclaimed brushed
timber planks



Floor:

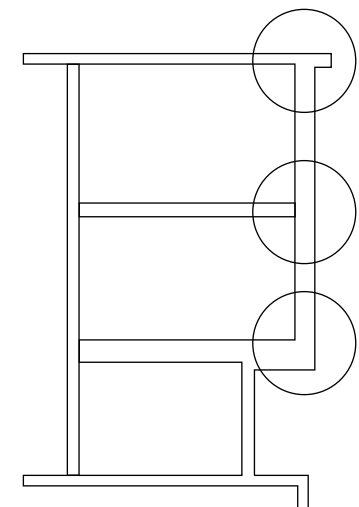
10mm PU floor

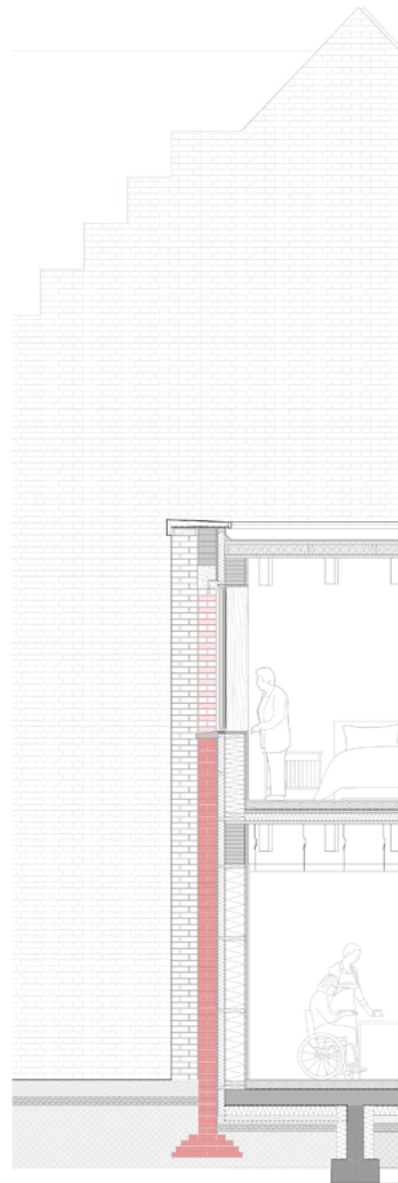
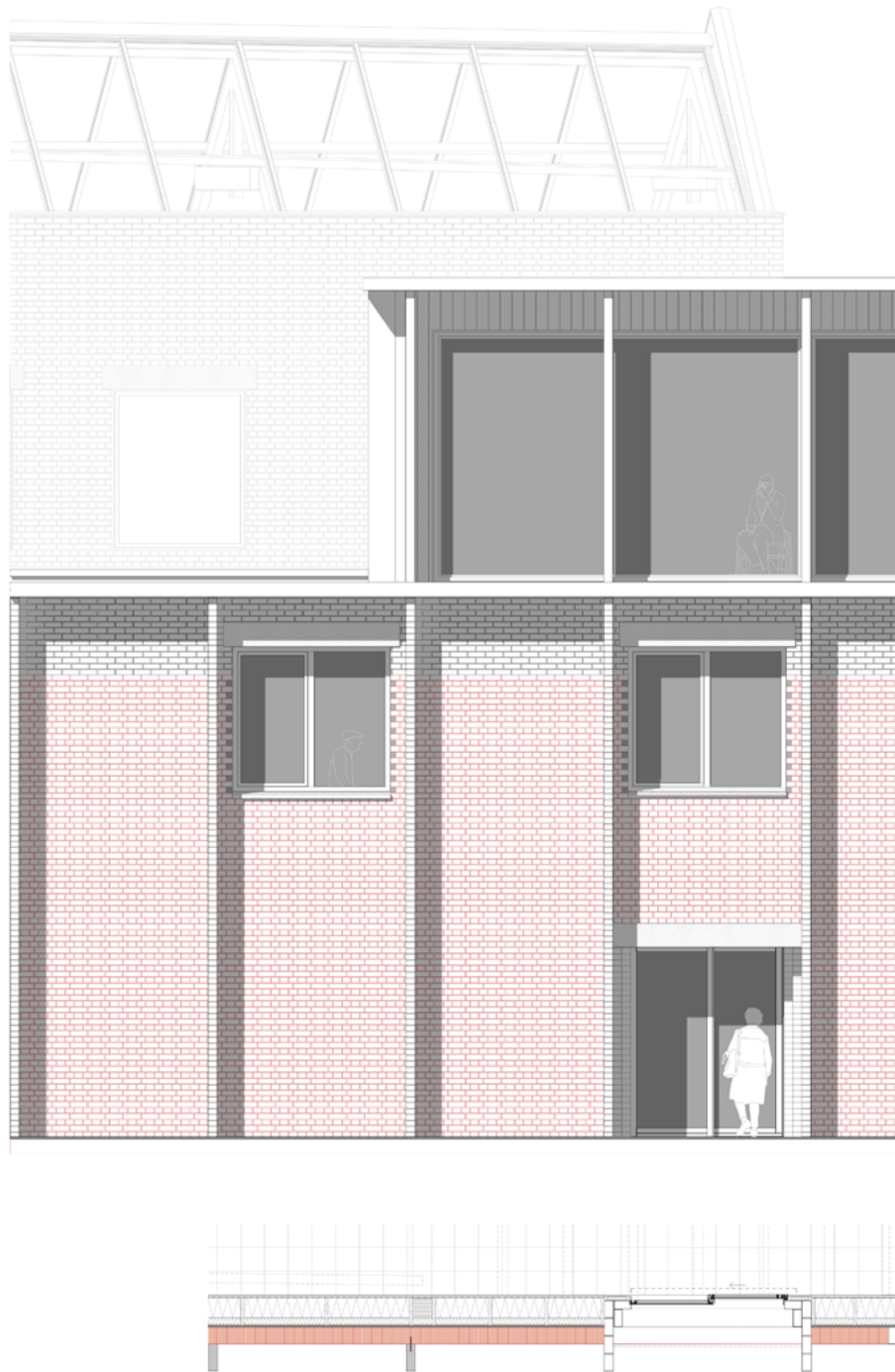
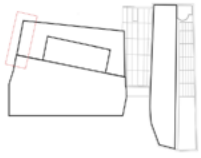
100mm Screed w/ subfloor heating

40mm footfall insulation

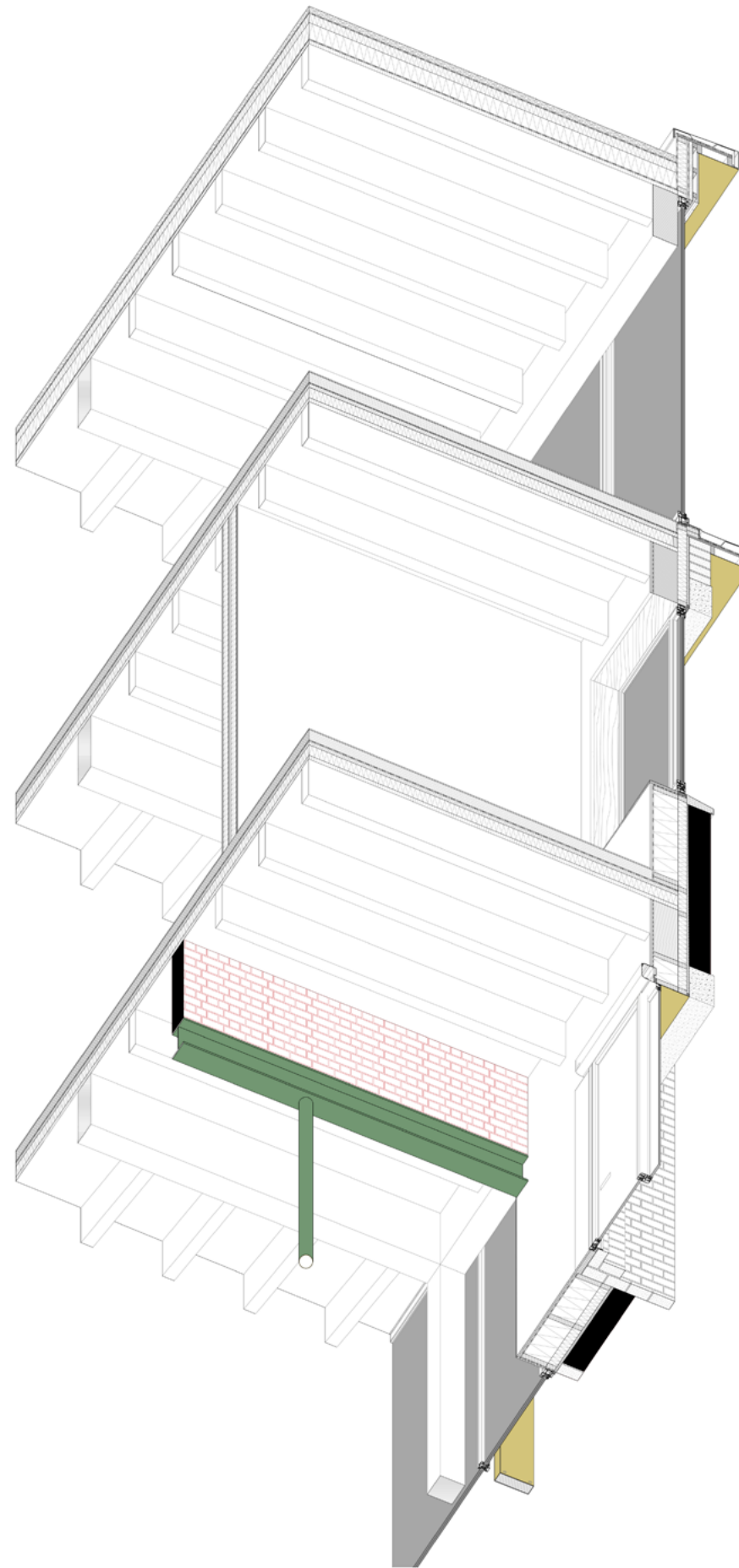
90mm thermal insulation

40mm LVL board (BauBuche)

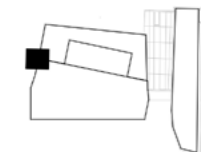


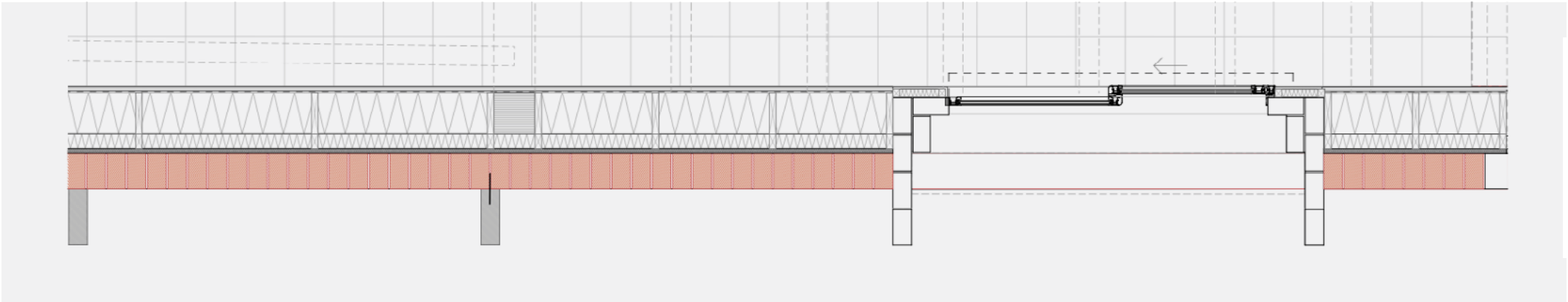
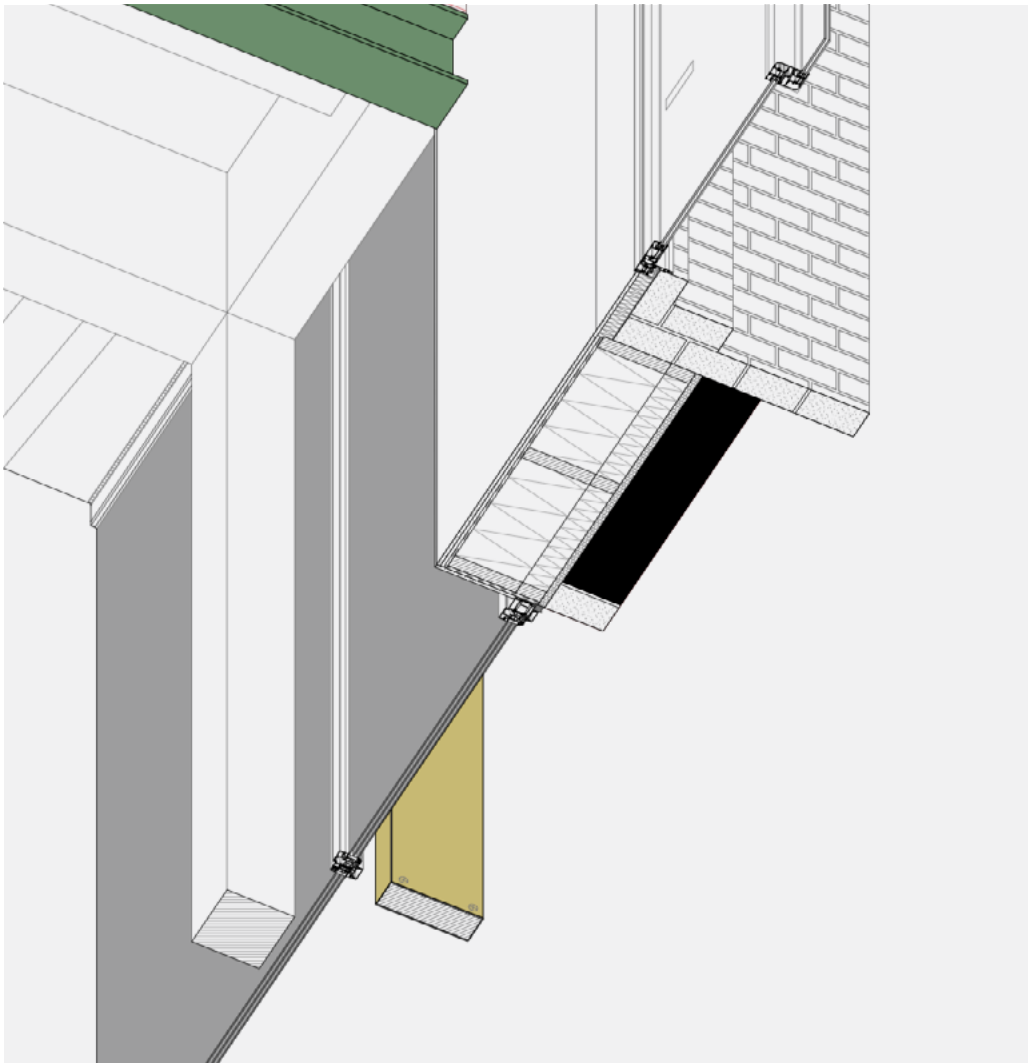


South façade (Square)



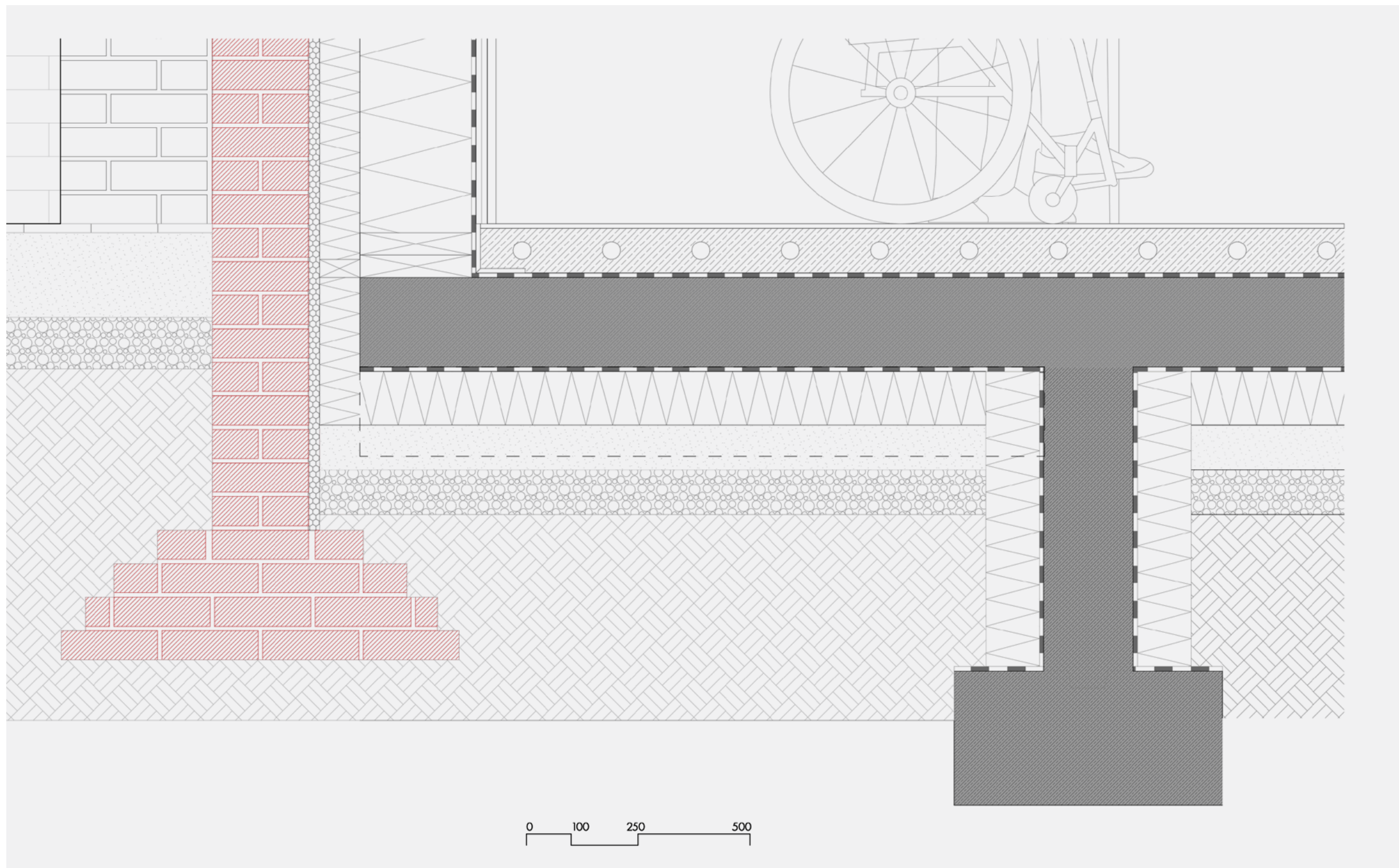
Square entrance





0 1m

South façade



Floor:

10mm tile floor

100mm screed (underfloor heating)

40mm footfall insulation

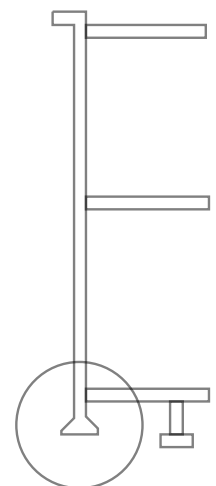
100mm thermal insulation

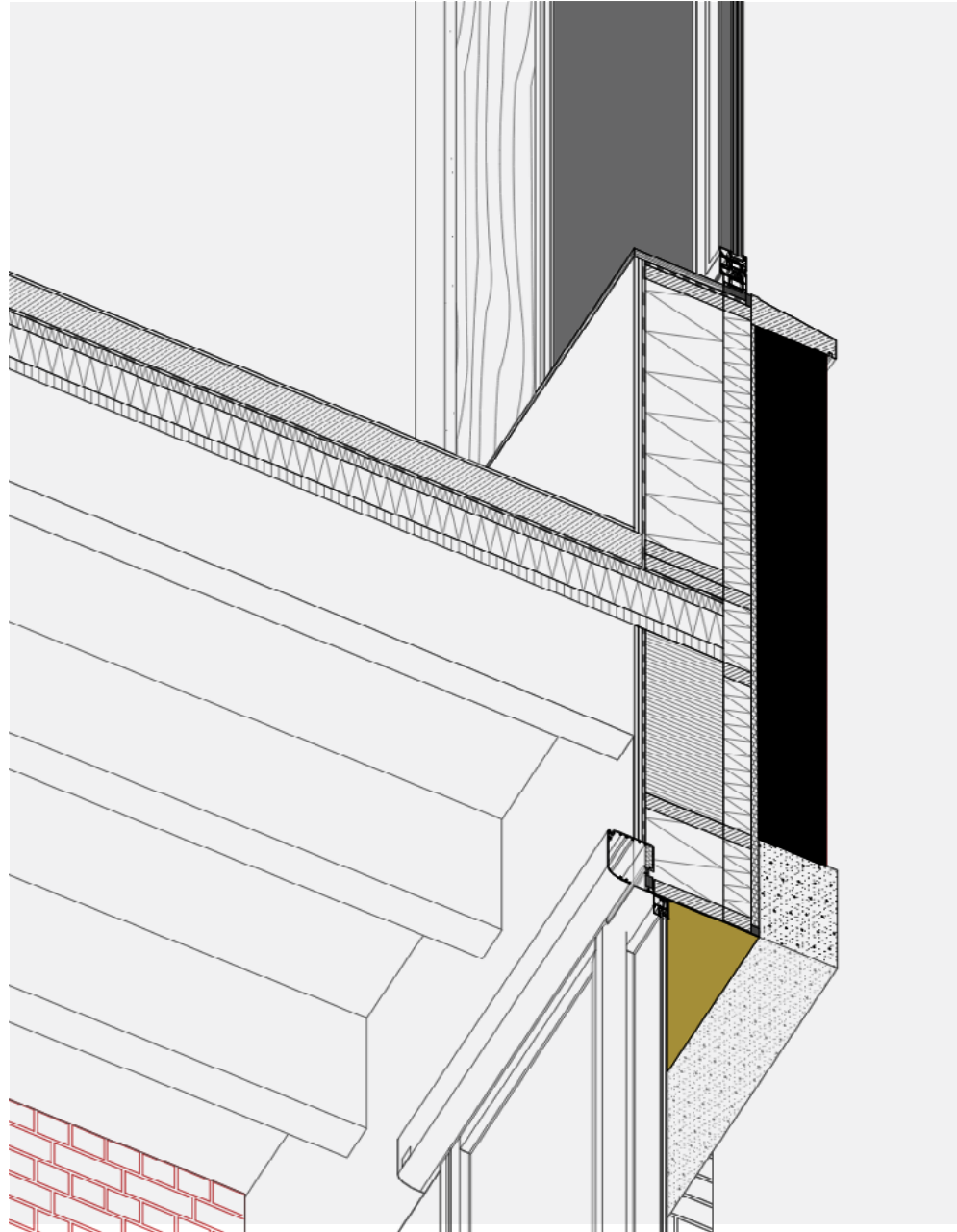
200mm reinforced concrete

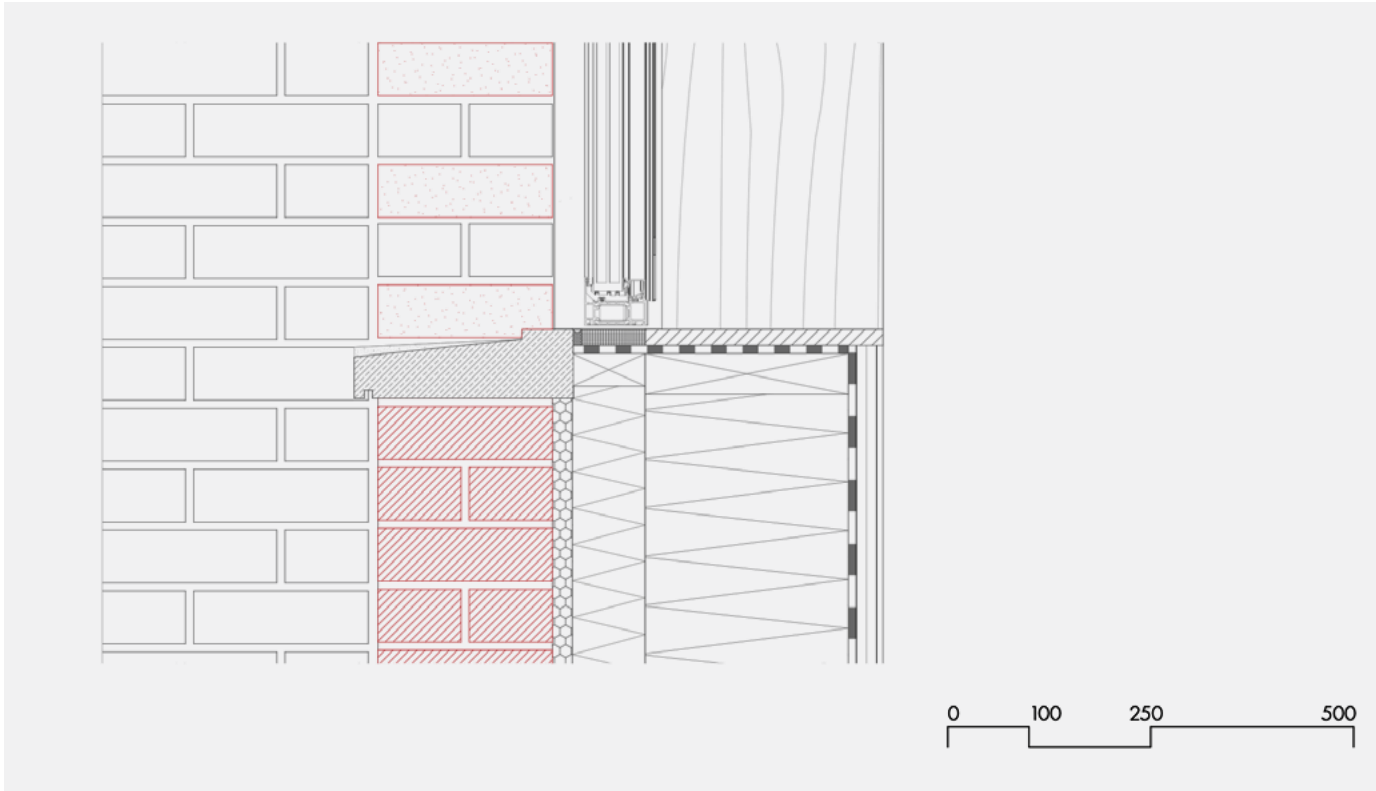
waterproof membrane

120mm insulation

compacted sand and gravel layer







Wall:

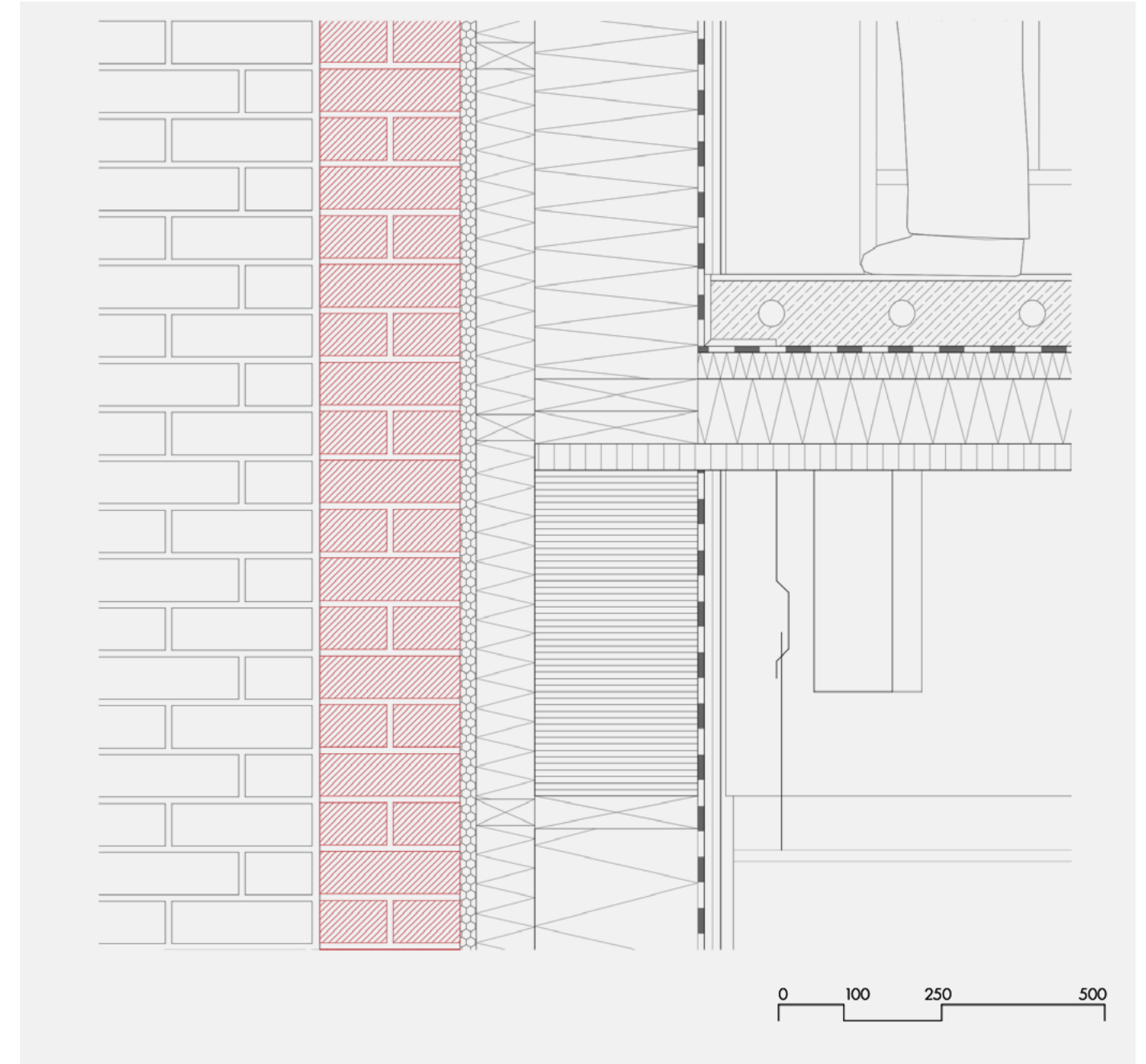
Existing brick wall 225mm

25mm cavity spacer (Surecav)

250mm wood fibre insulation

90mm insulation

2x12.5 gypsum plasterboard



Floor:

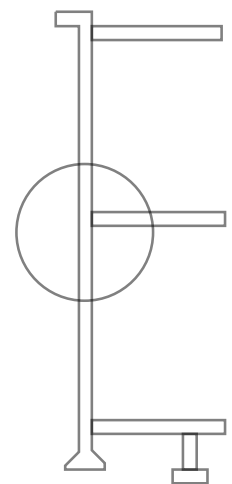
10mm PU floor

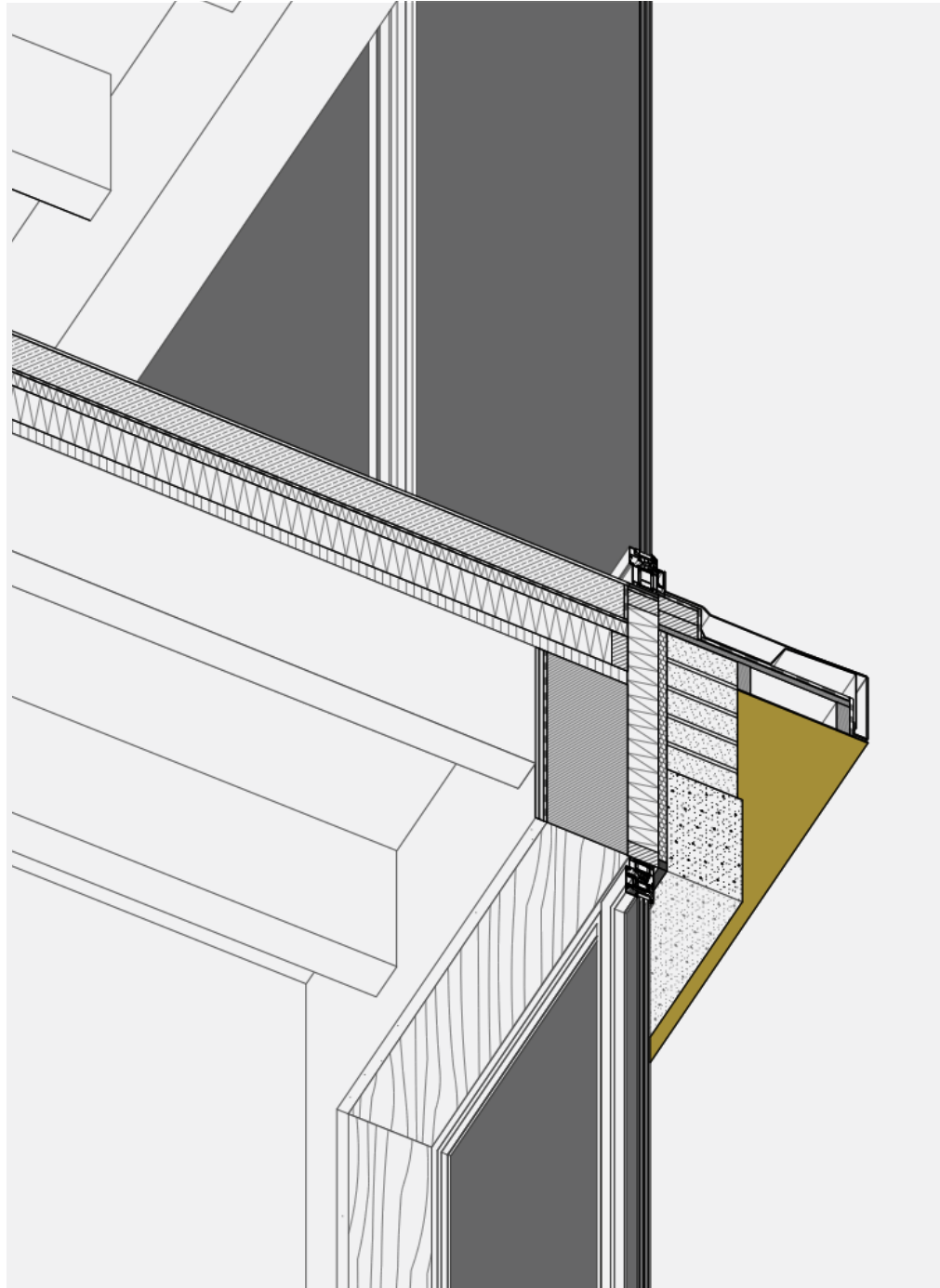
100mm Screed w/ subfloor heating

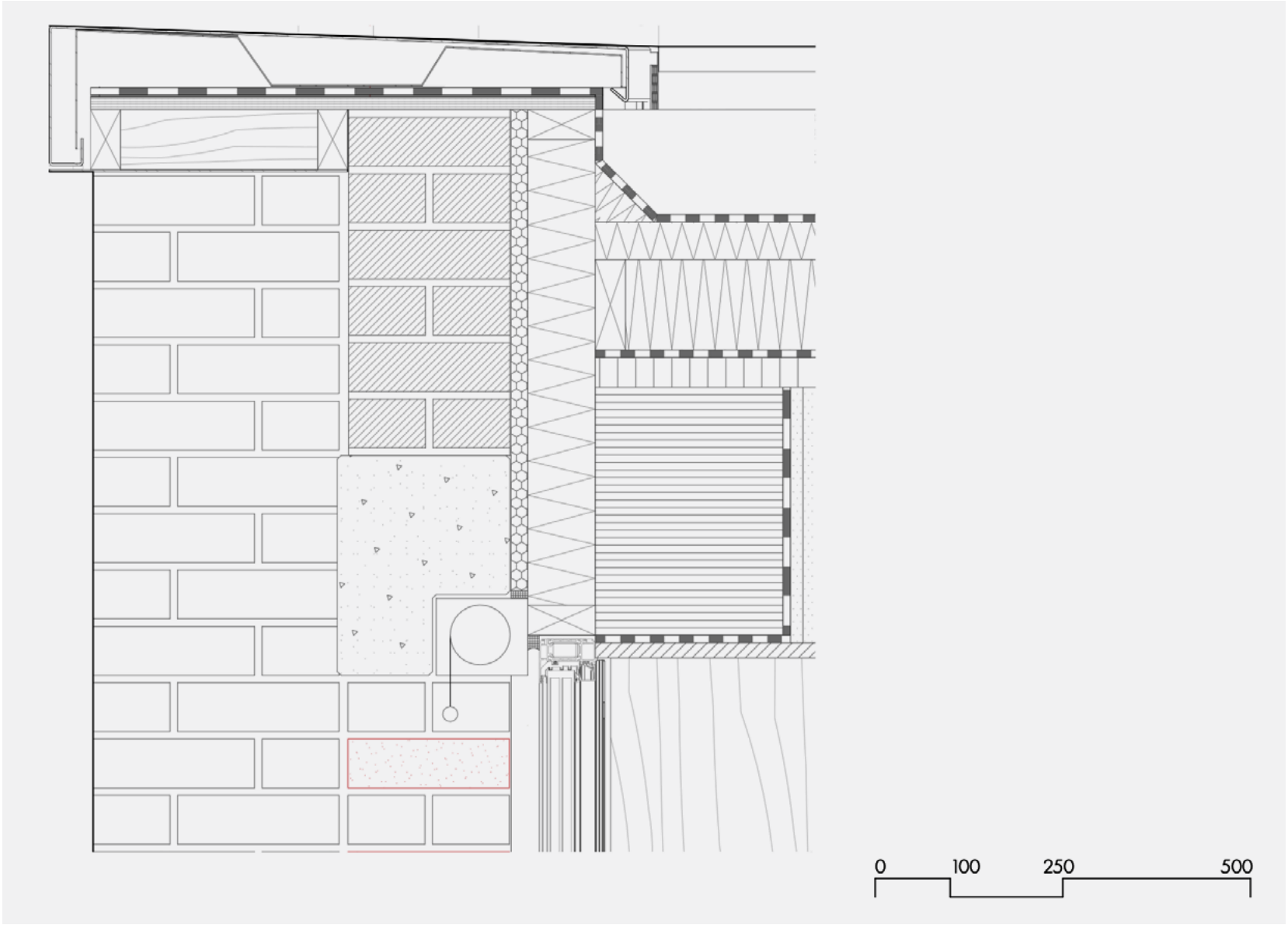
40mm footfall insulation

90mm thermal insulation

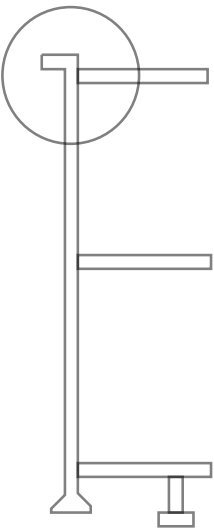
40mm LVL board (BauBuche)

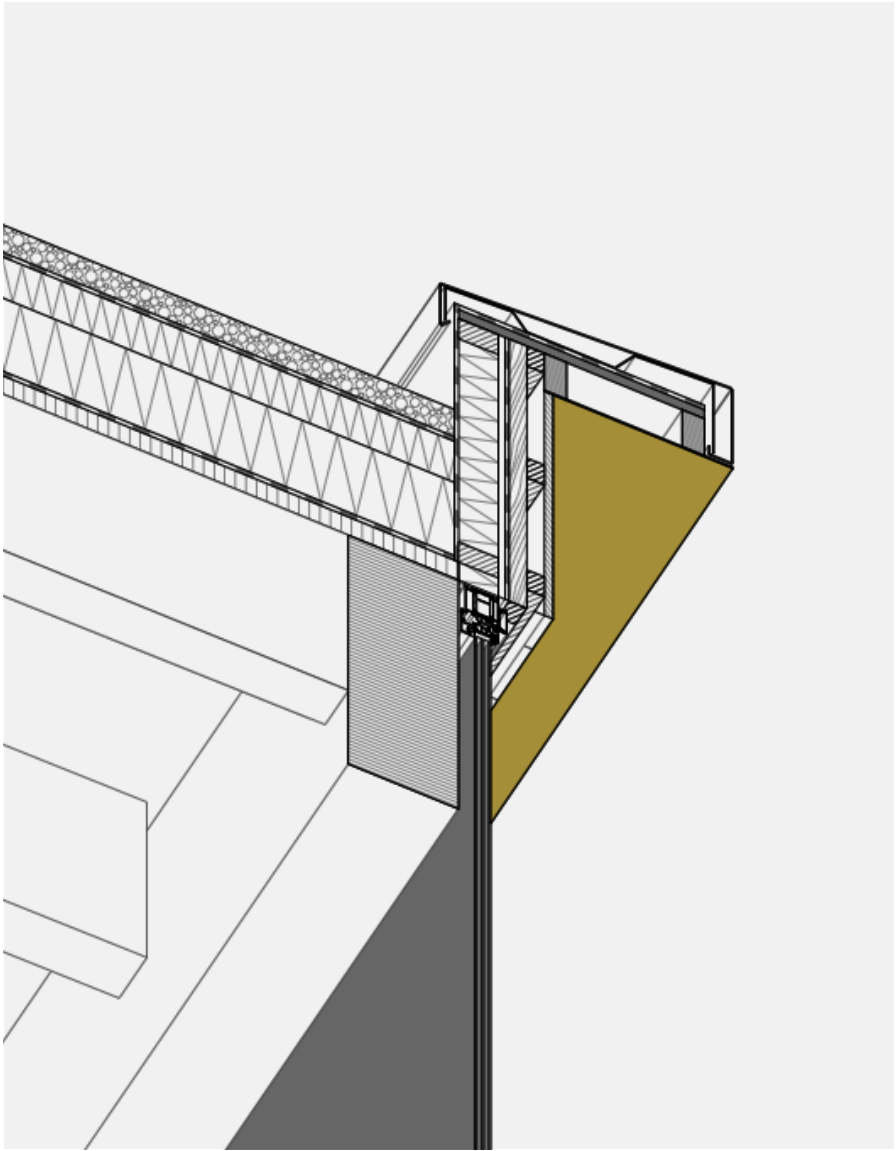






- Roof:
- waterproof membrane
 - 250mm tapered insulation
 - 10mm vapour barrier
 - 40mm LVL board (BauBuche)
 - 320mm laminated timber beam





Thank you.

