

# The Craft Huis

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**“What do we mean when we talk about craft?** Any consensus around words such as ‘skill’ or ‘handmade’ is quickly complicated by a complex relationship with technology. The blurring of disciplinary boundaries and the pervasiveness of the digital suggests a more inclusive definition is needed. For me, to consider craft is **simply to be interested in making**: to understand things, be they chairs or cities, as artefacts that demand asking how they have been made, by whom, and what their making tells us about the societies they have been made for.”

C. Rossi, *Craft contains the critical thinking that could unpack the current state of architecture*, The Architectural Review



Amsterdam

## Amsterdam and Doughnut Economics



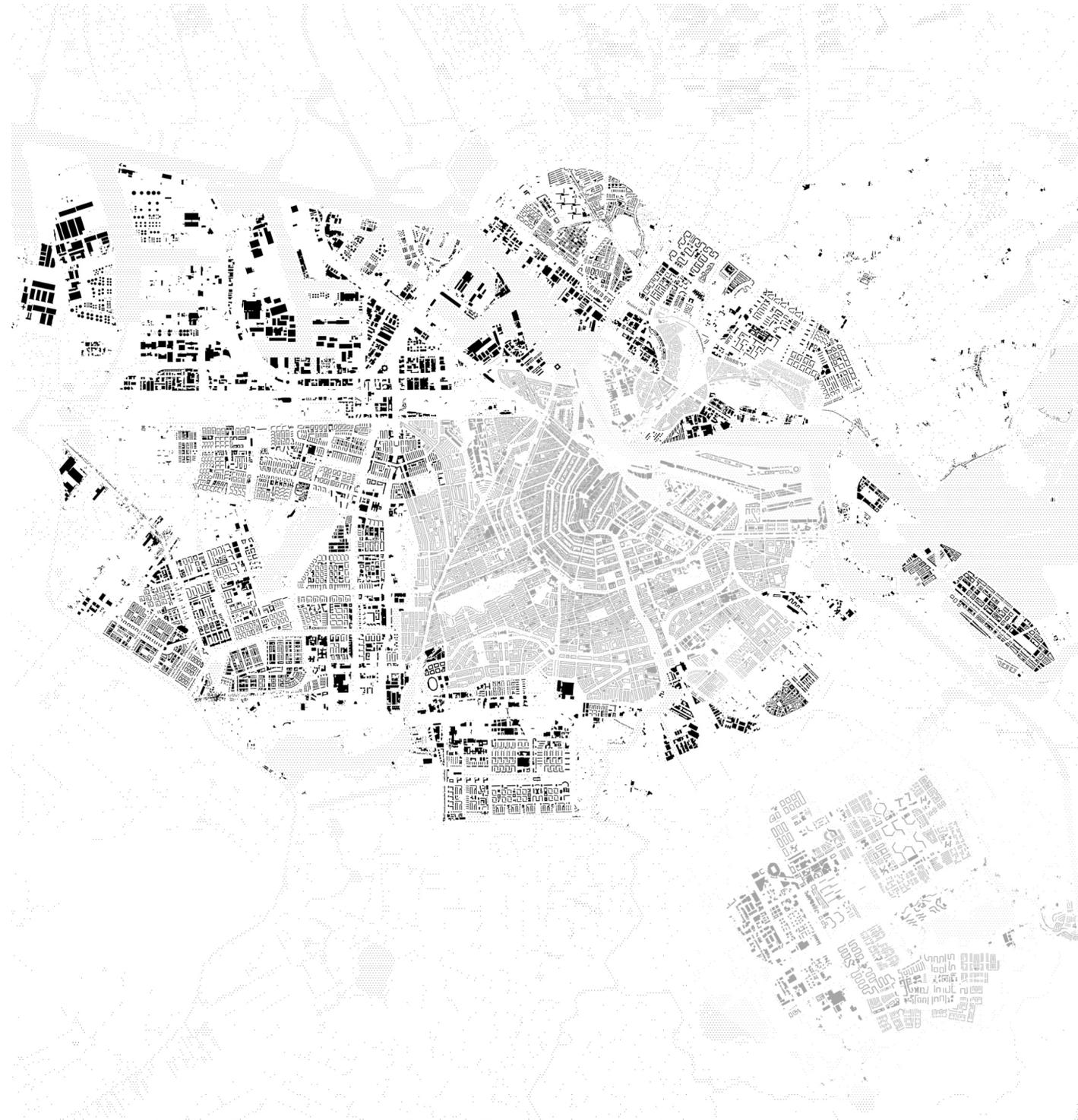
17th Century City Expansion



1850's City Expansion



1917 Plan Zuid Expansion



1950's AUP General Expansion Plan



1970's Suburbanisation



1978, Sint Antoniesbreestraat 2-16  
Amsterdam City Archive



Blue Monday Riots  
1975



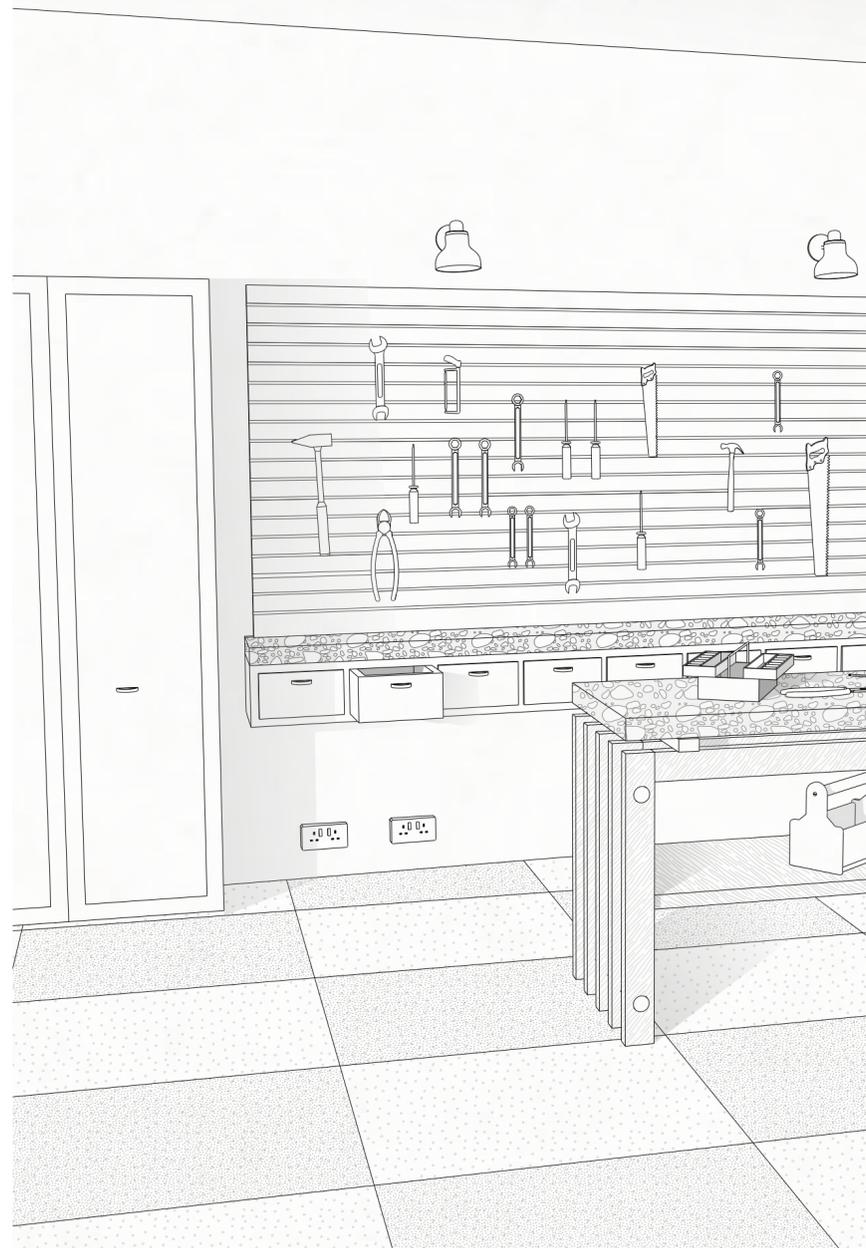
1970's Dam Square  
Amsterdam City Archive



Amsterdam  
Effects Of Tourism



The Moulin Rouge, Amsterdam



The Repair Shop



The Repair Shop  
Elevation

The City Hotel as a place for the **community**, where a variety of function incentives **integration**. The hotel is imagined as the place where tourists can learn from and live with local artists, craftsmen and the community of Amsterdam.



Jordaan  
1613-1620 City Expansion



Jordaan, 1940 ca.



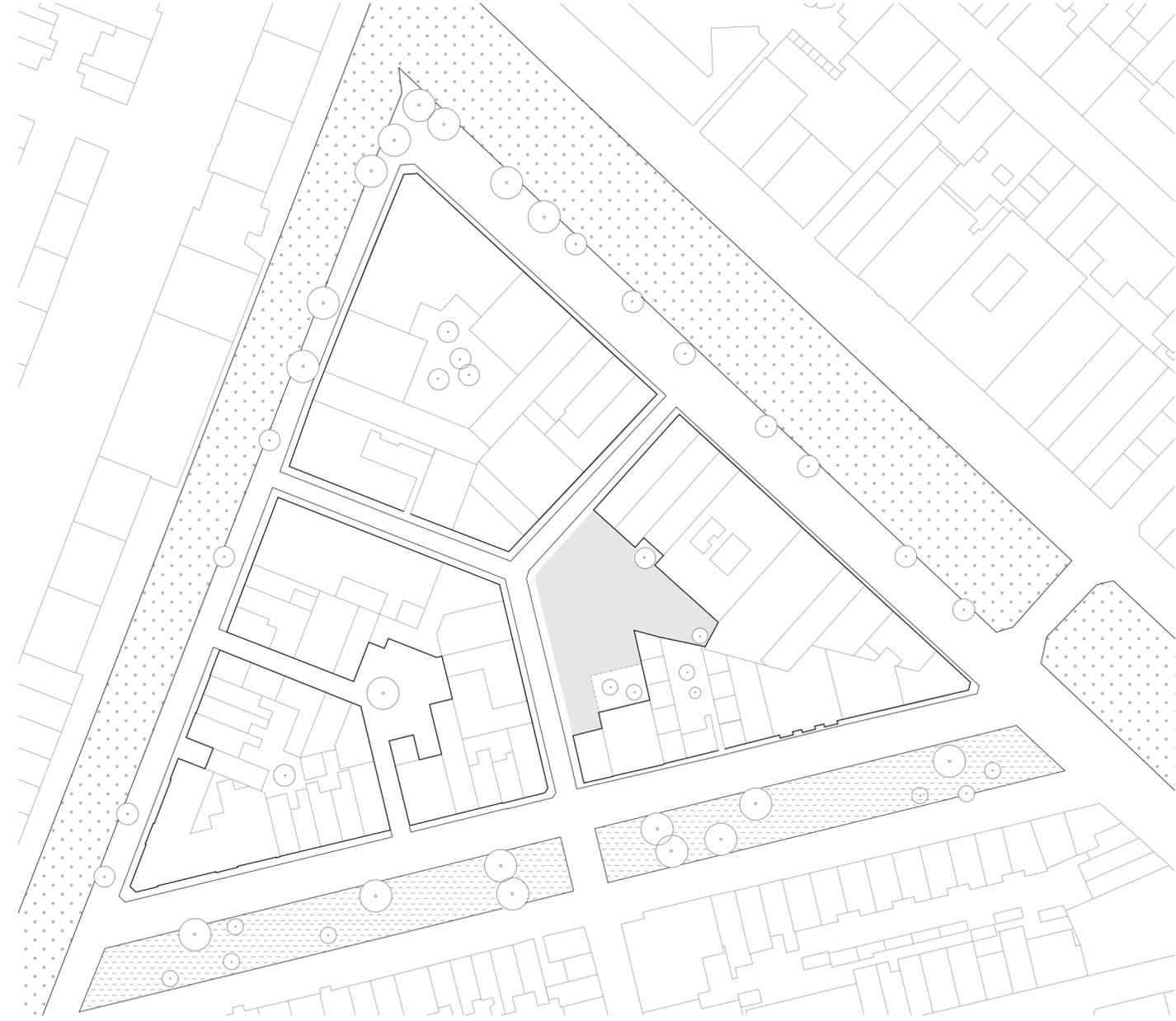
Elevation Driehoekstraat 8



Section Driehoekstraat 8



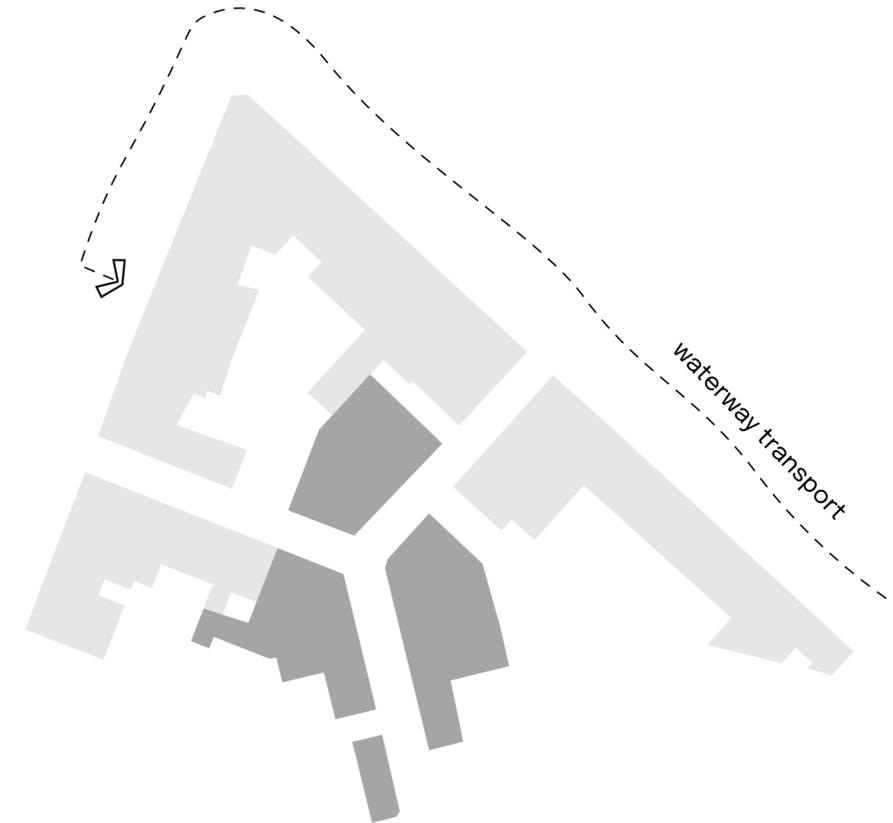
Driehoekstraat And Landmarks



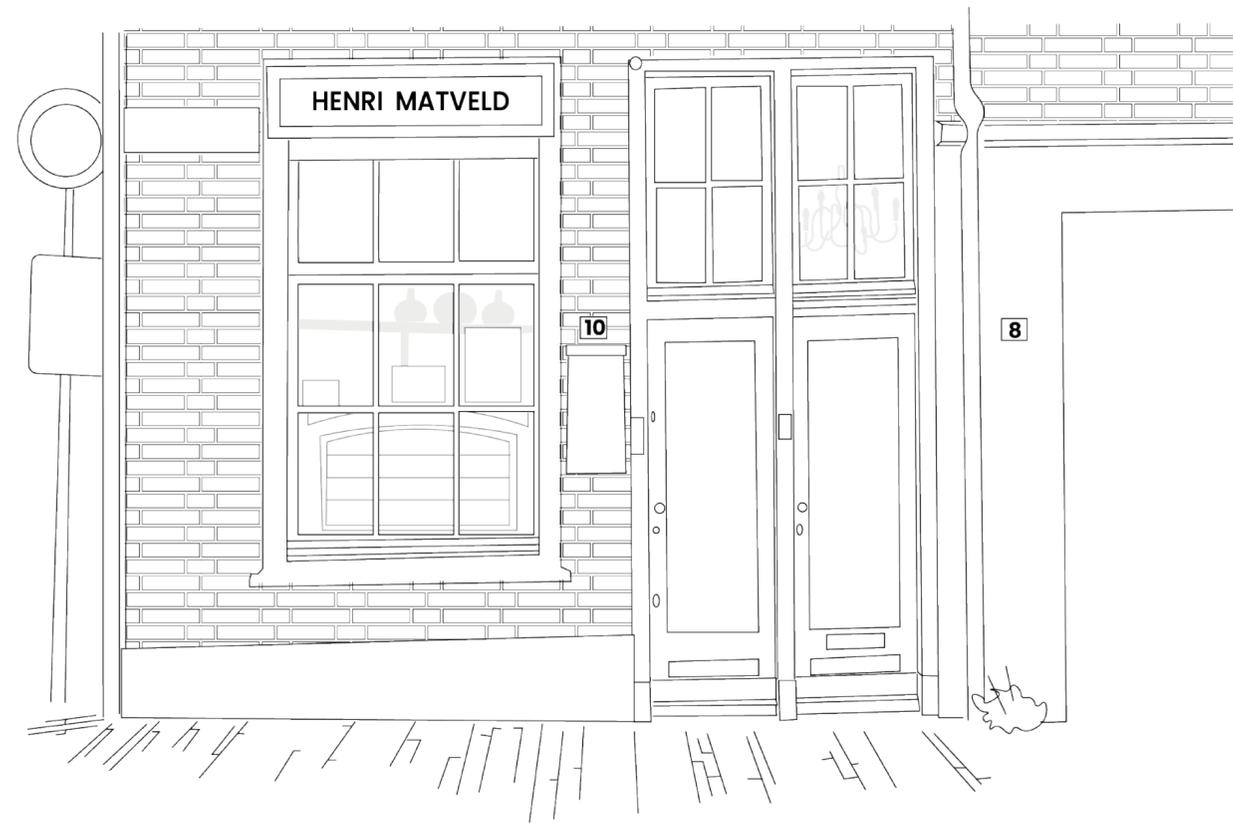
Site Plan



Sketch



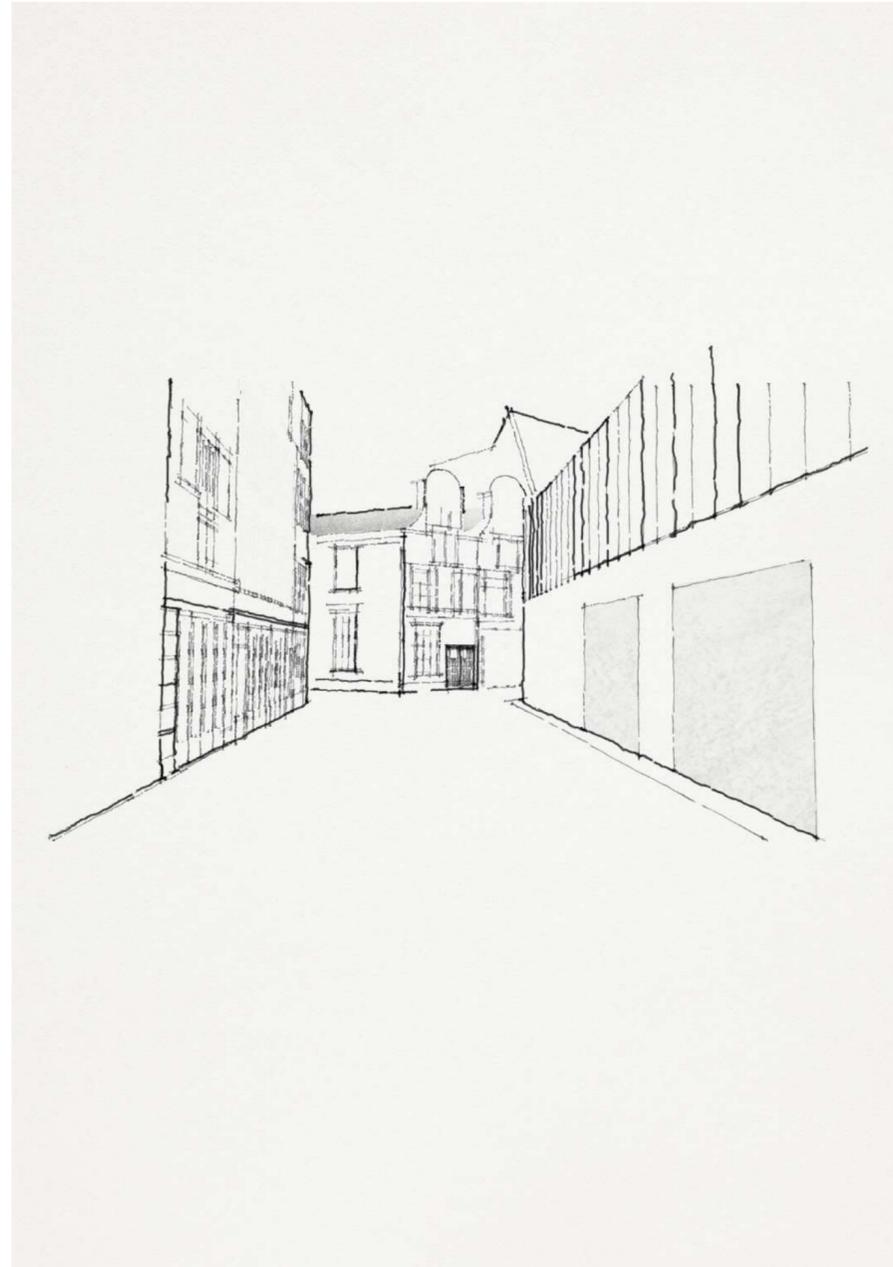
Building typology



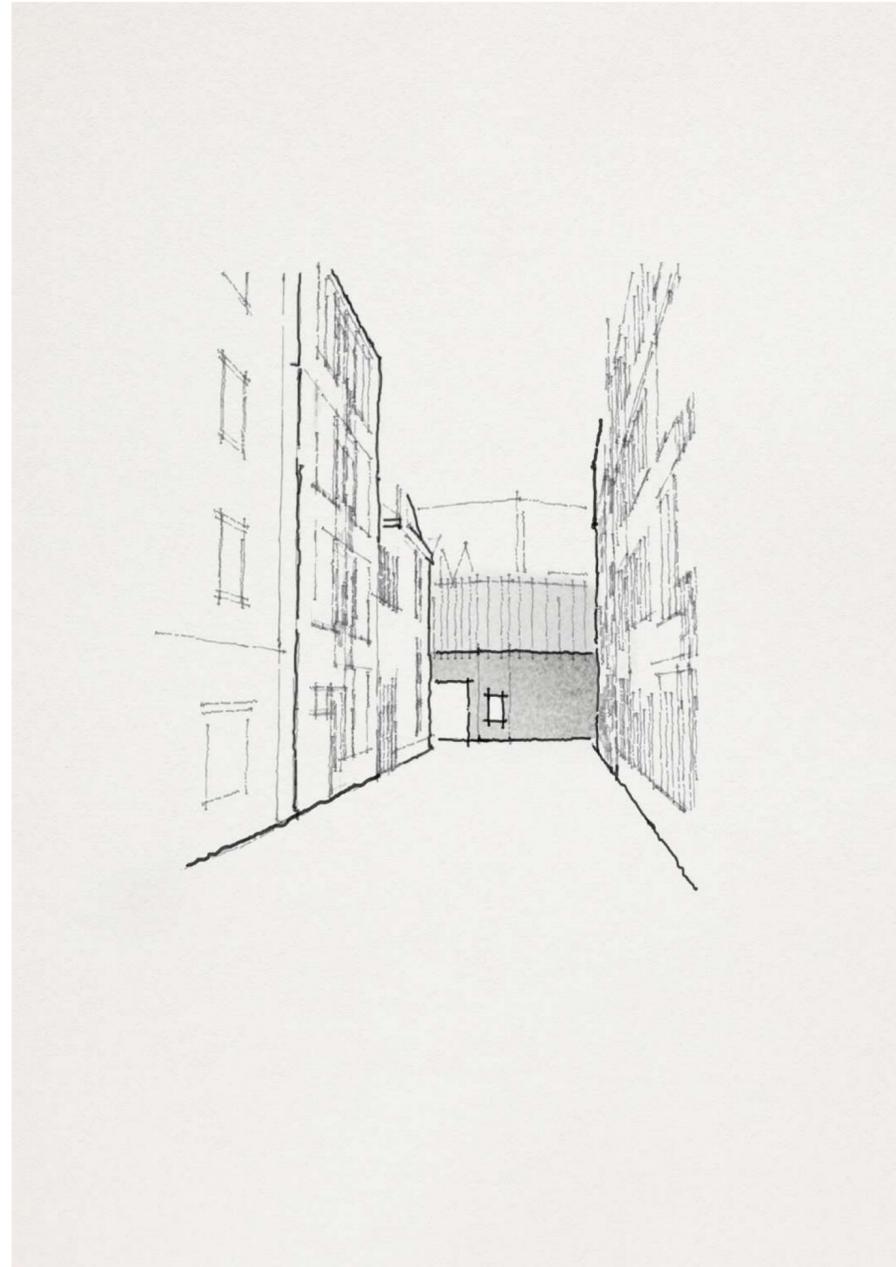
Driehoekstraat 10



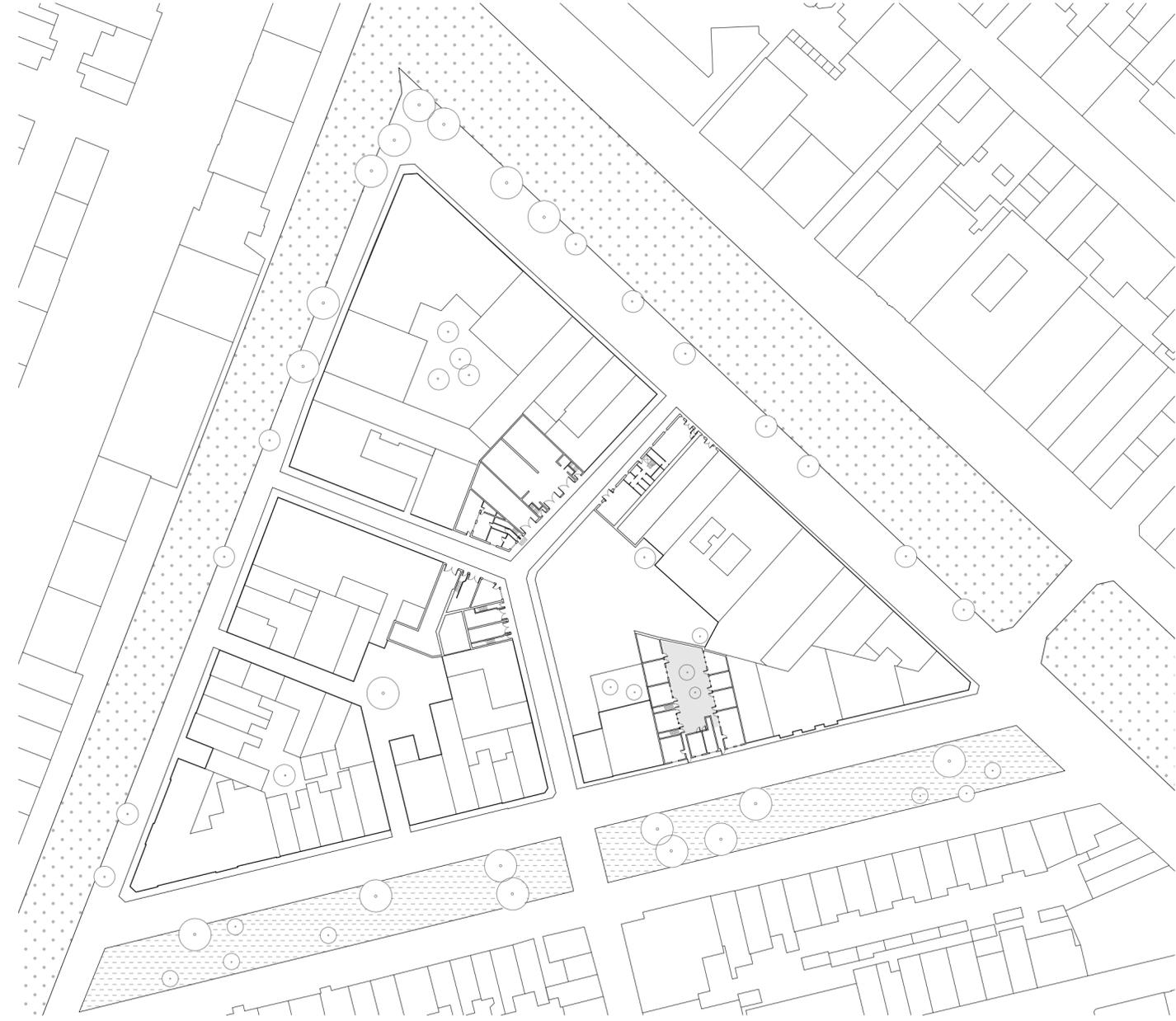
Driehoekstraat 18-22



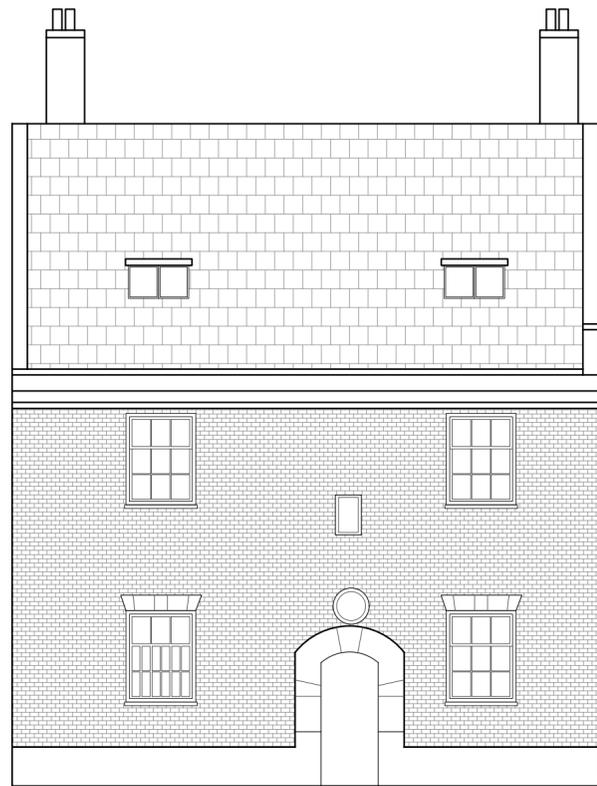
Sketch Views On Site



Sketch Views On Site



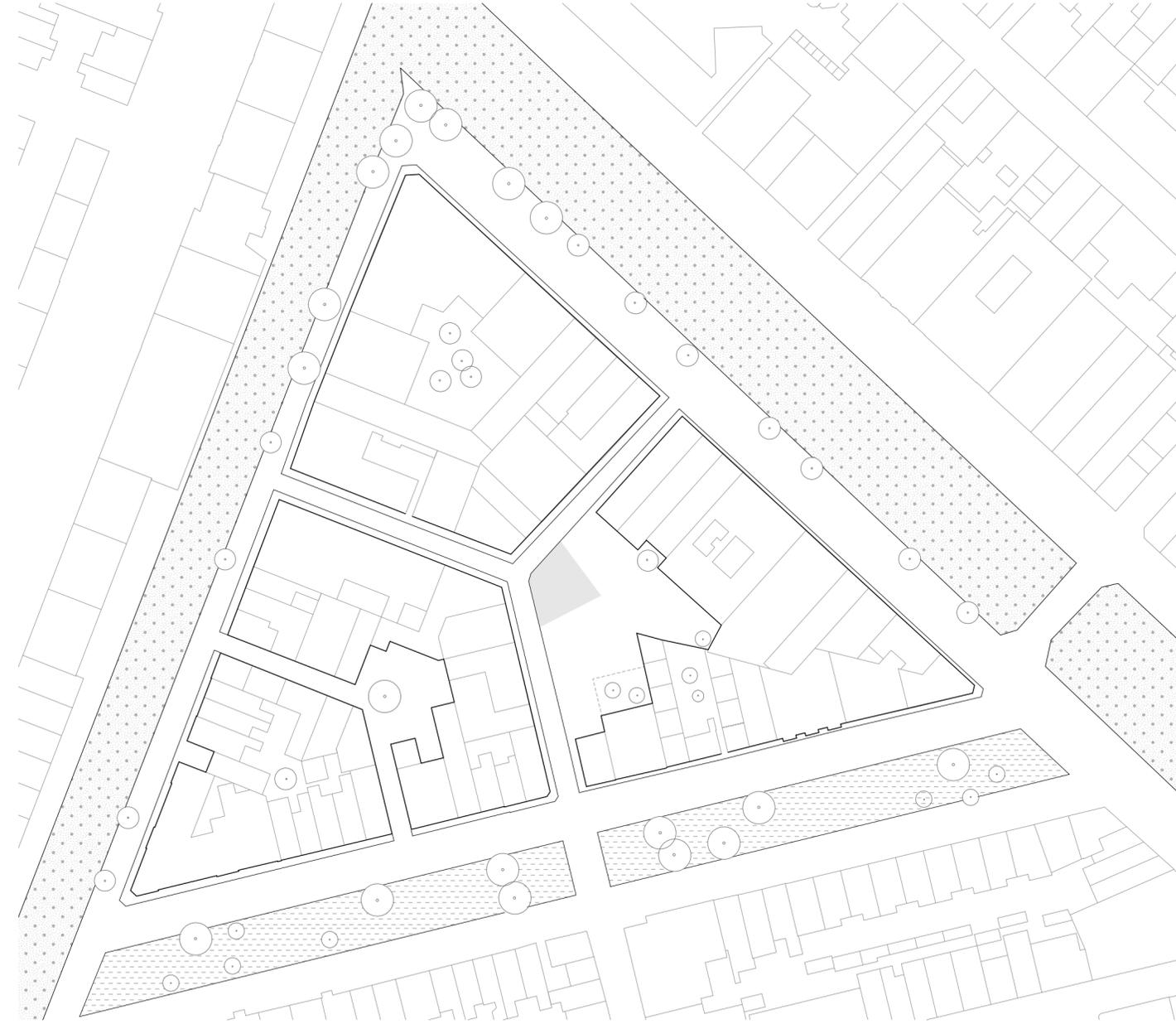
Site Plan  
Public Spaces



Het Raepenhofje  
Elevation



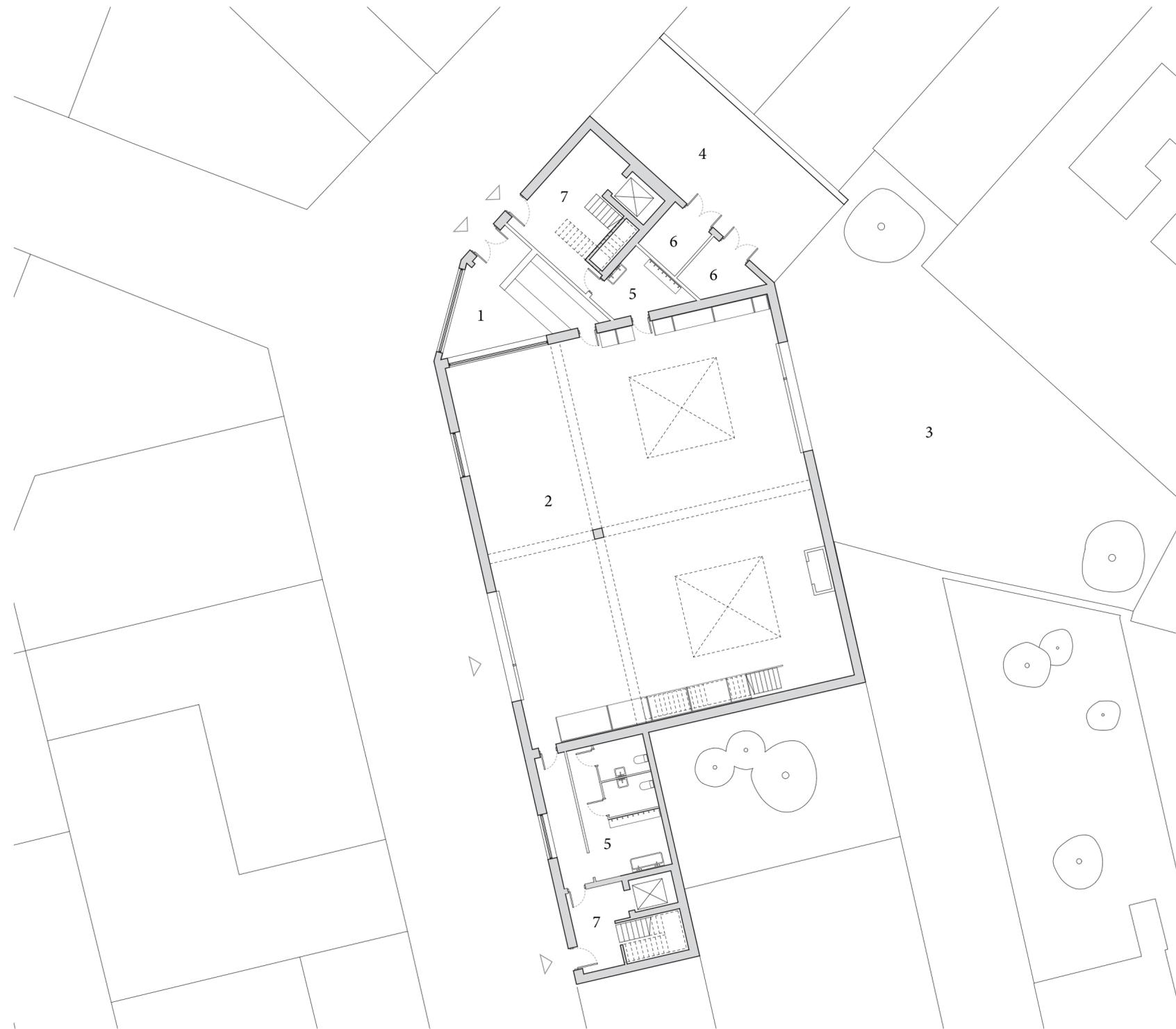
Het Raepenhofje  
Palmgracht 16, 1974



Site Plan

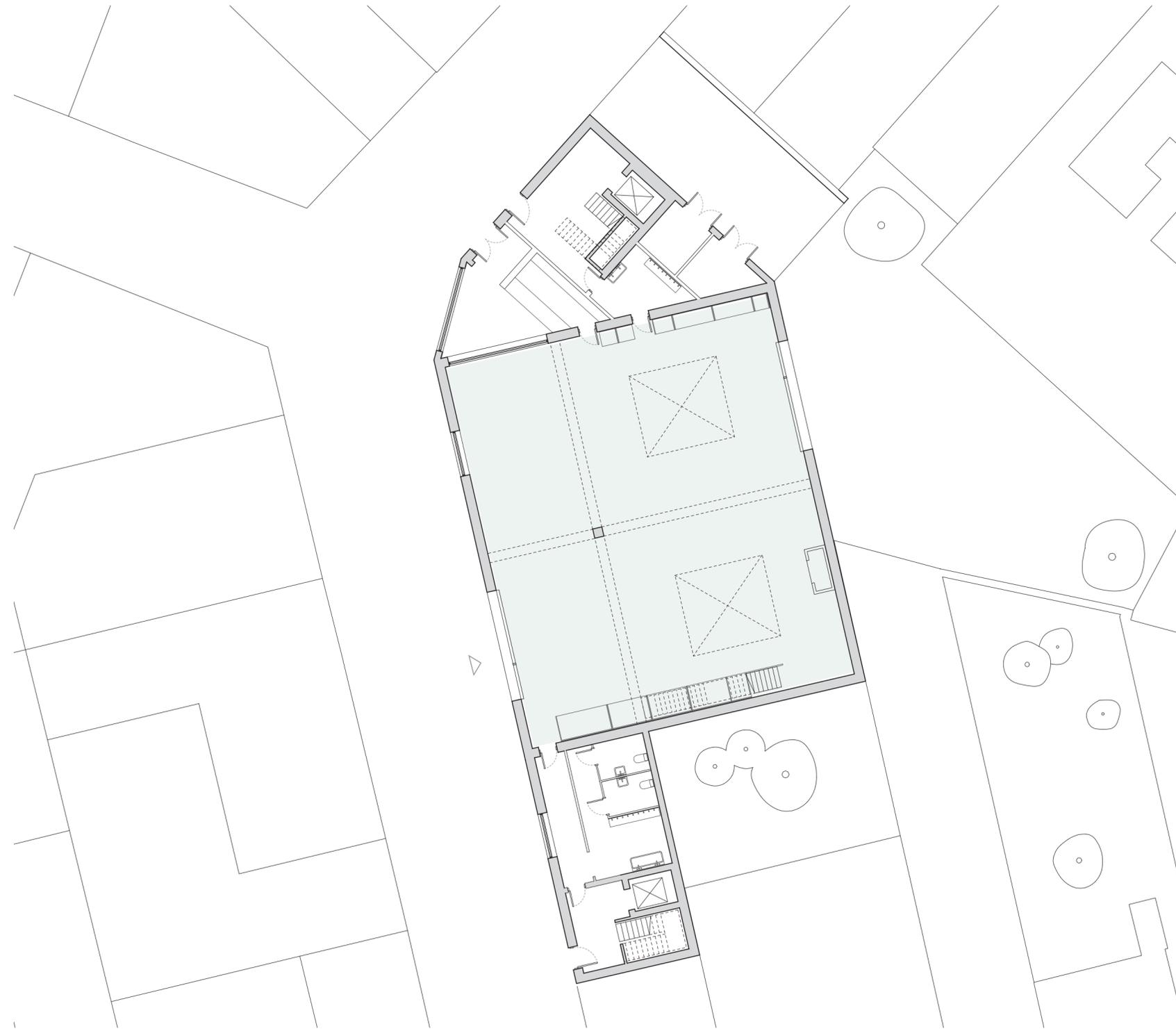


Concept Model

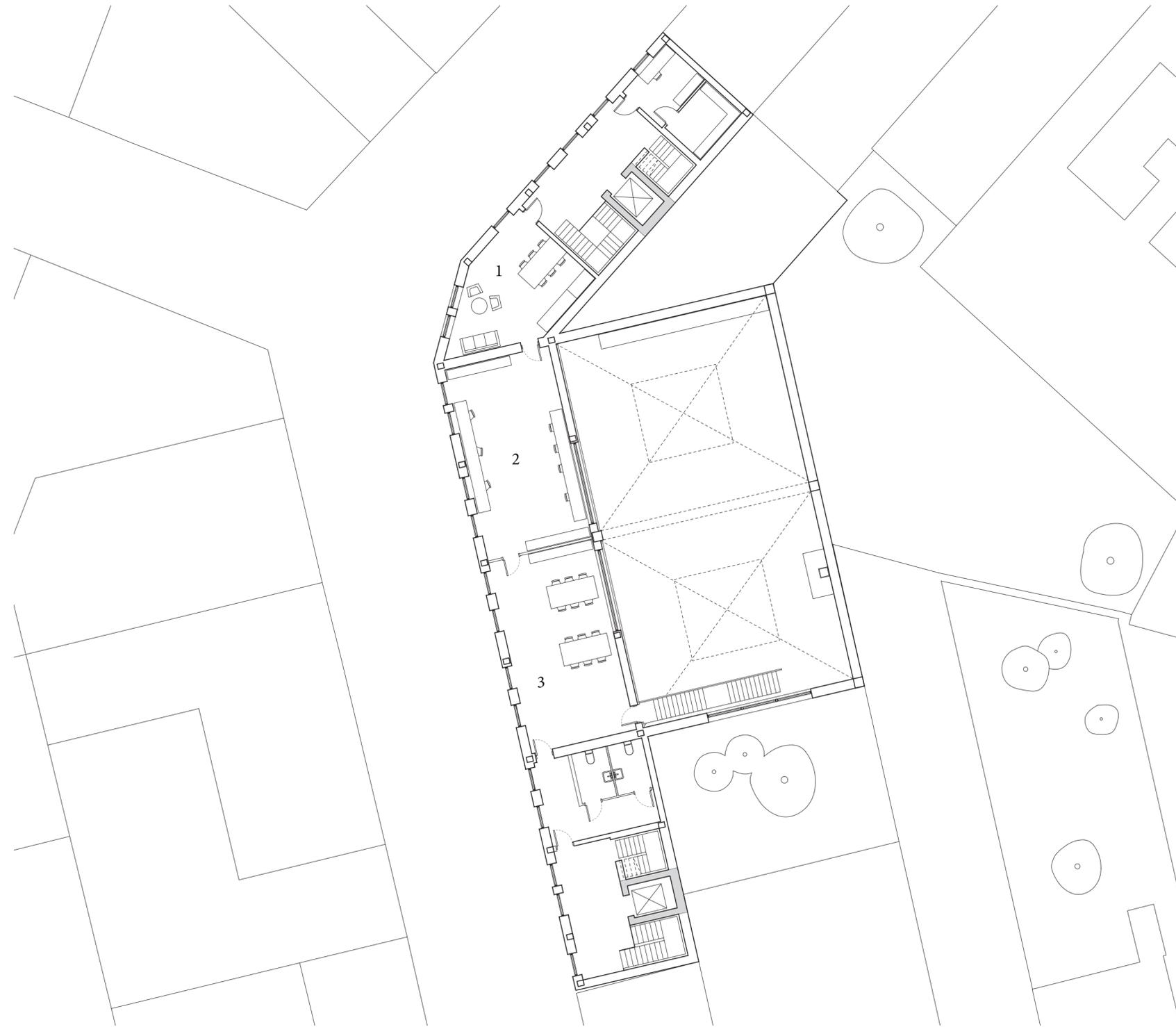


- 1. repair shop/lobby
- 2. workshop
- 3. courtyard
- 4. loading bay
- 5. changing room
- 6. technical space
- 7. entrance hotel

Ground Floor

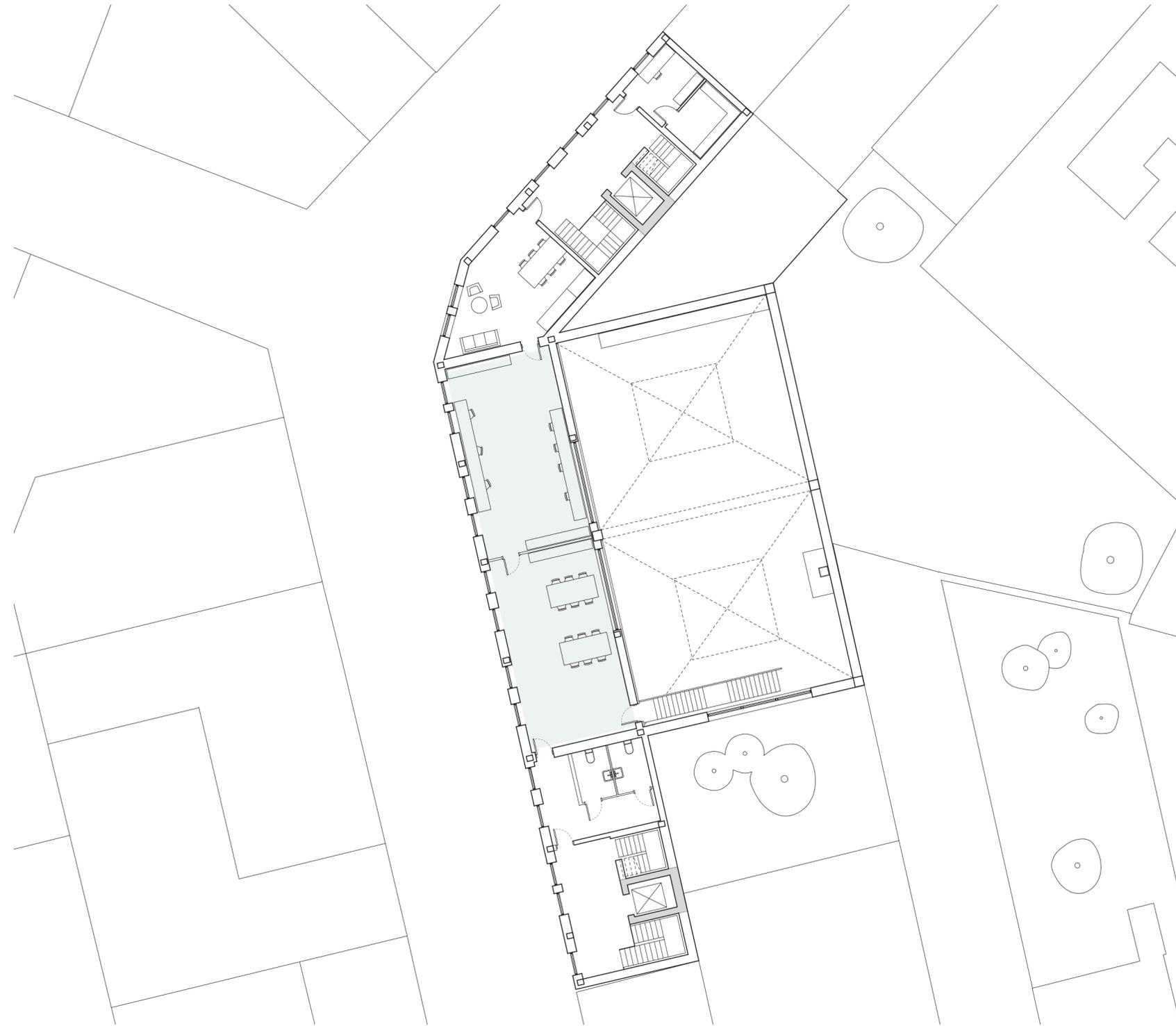


Workshop



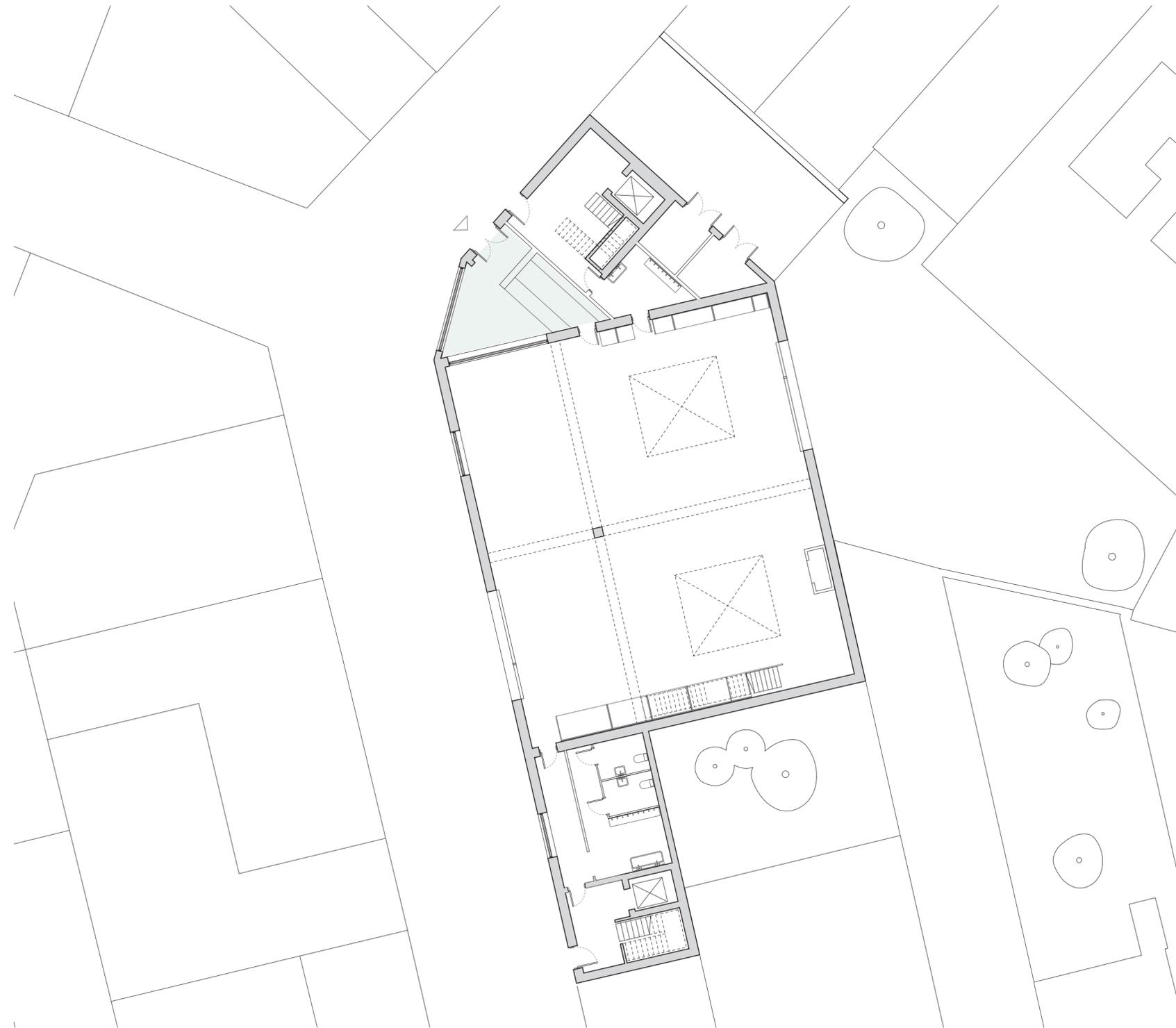
- 1. breakout/kitchen
- 2. studio space
- 3. classroom

First Floor



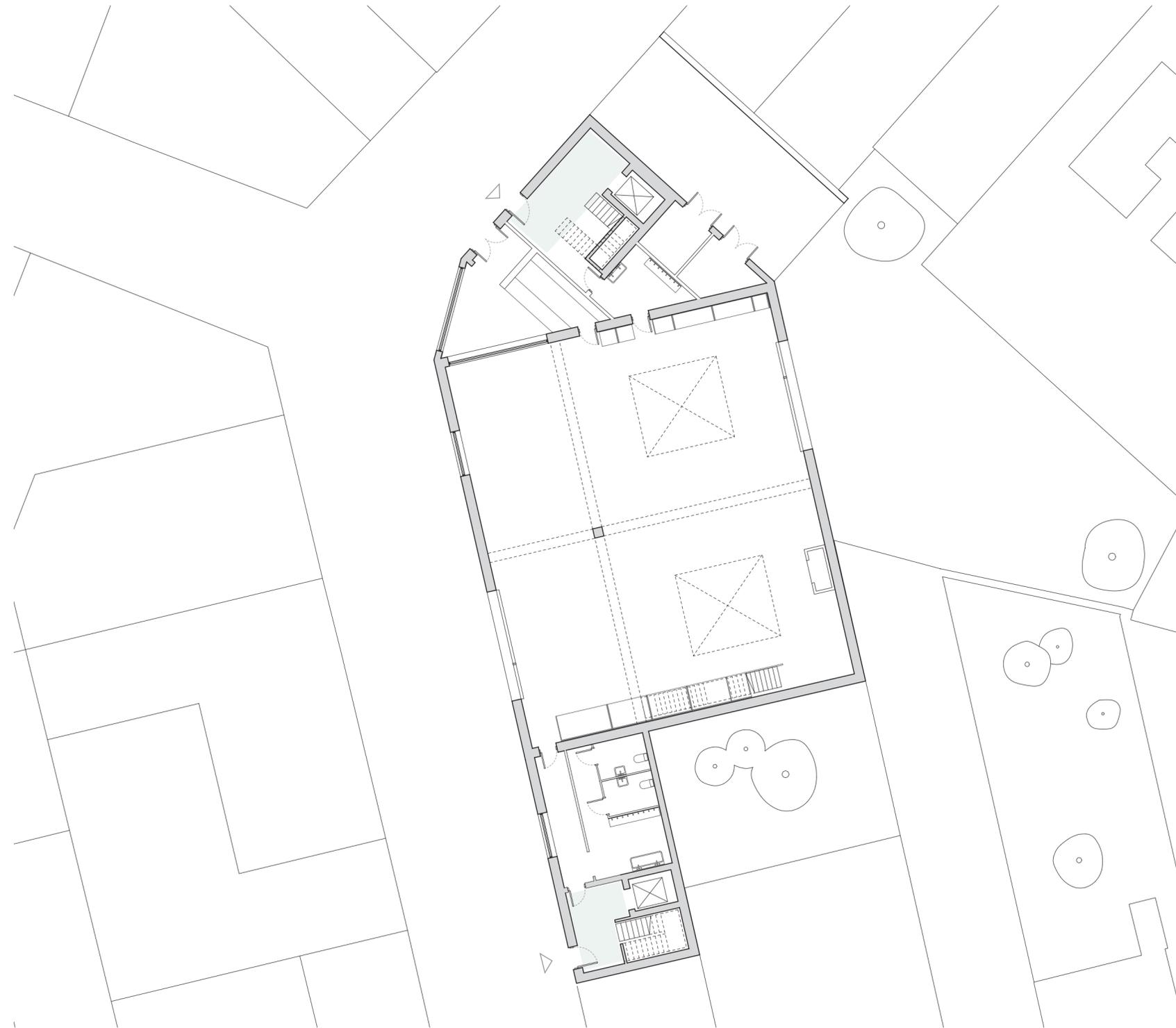
Studios





Repair Shop / Lobby





Hotel Entrances



5

Driehoekstraat 5 and 7





- 1. common kitchen
- 2. dressing room
- 3. bedroom
- 4. laundry
- 5. store

Second Floor



- 1. common kitchen
- 2. dressing room
- 3. bedroom
- 4. laundry
- 5. store

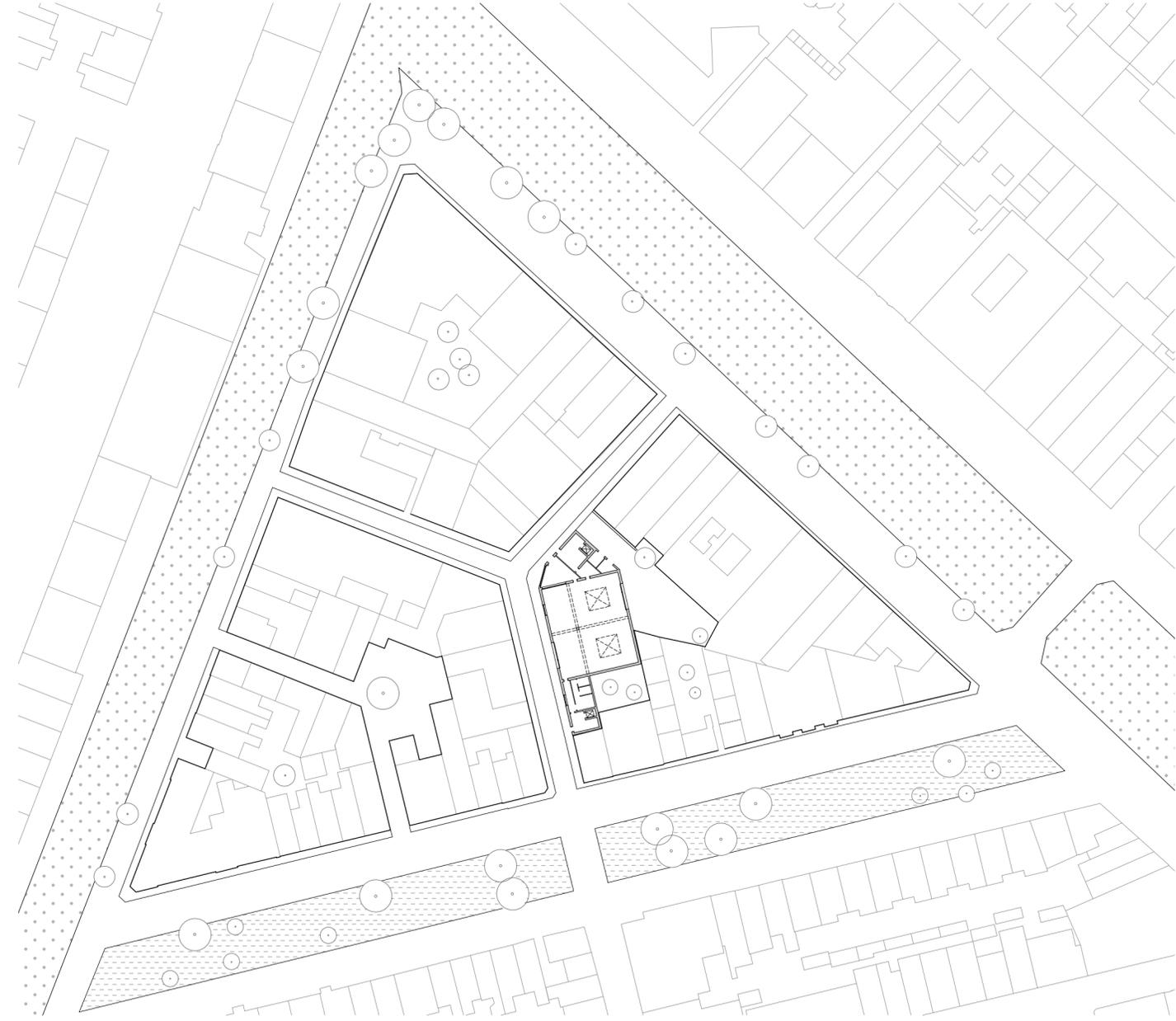
Third Floor



Apartment 5B

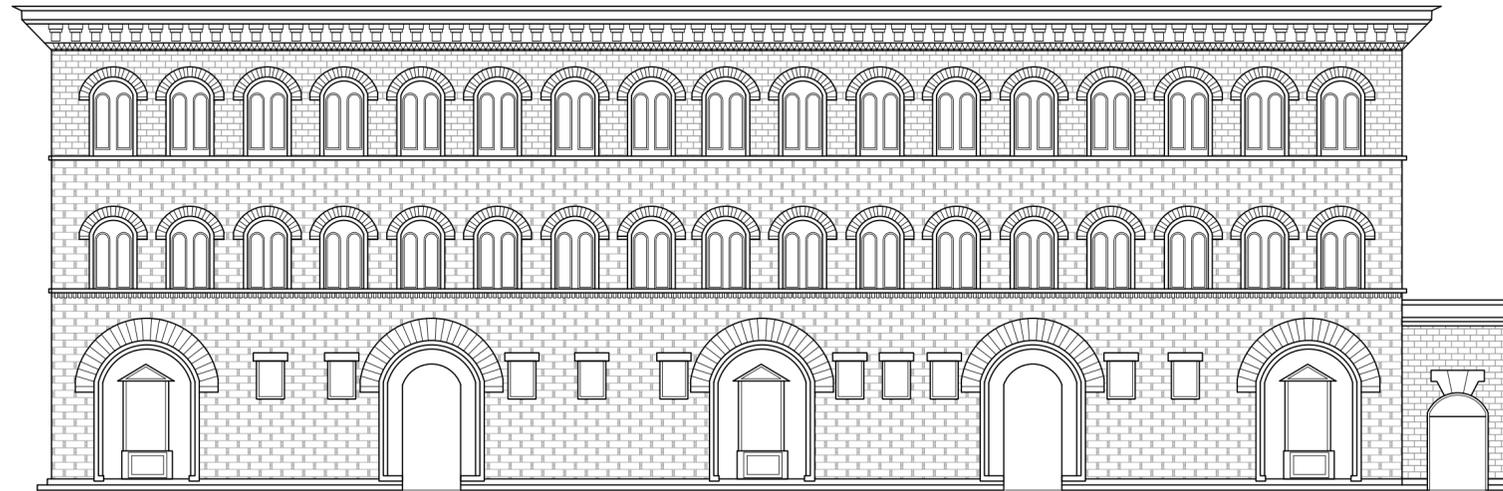


Apartment 9B

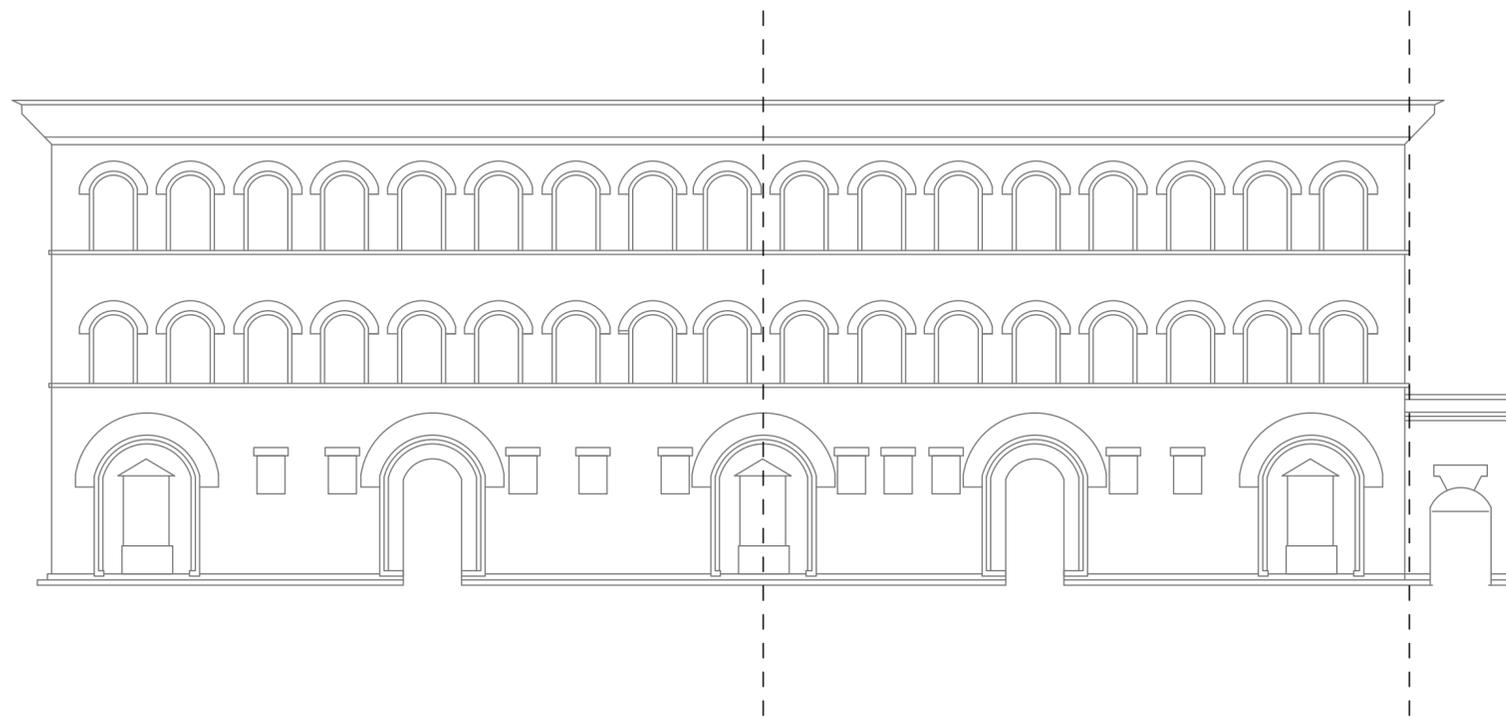


Ground Floor In Context

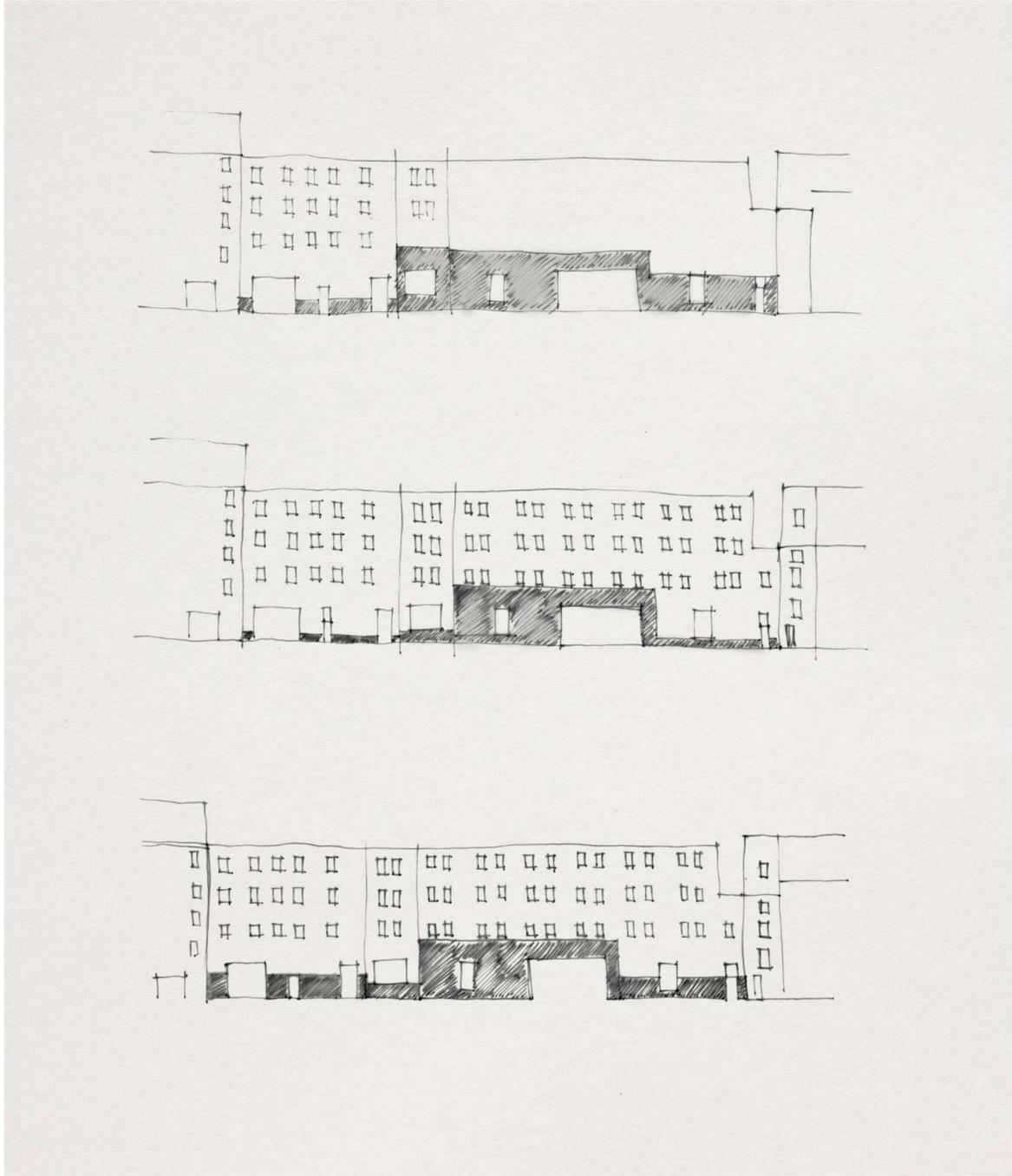




Palazzo Medici Riccardi, Florence



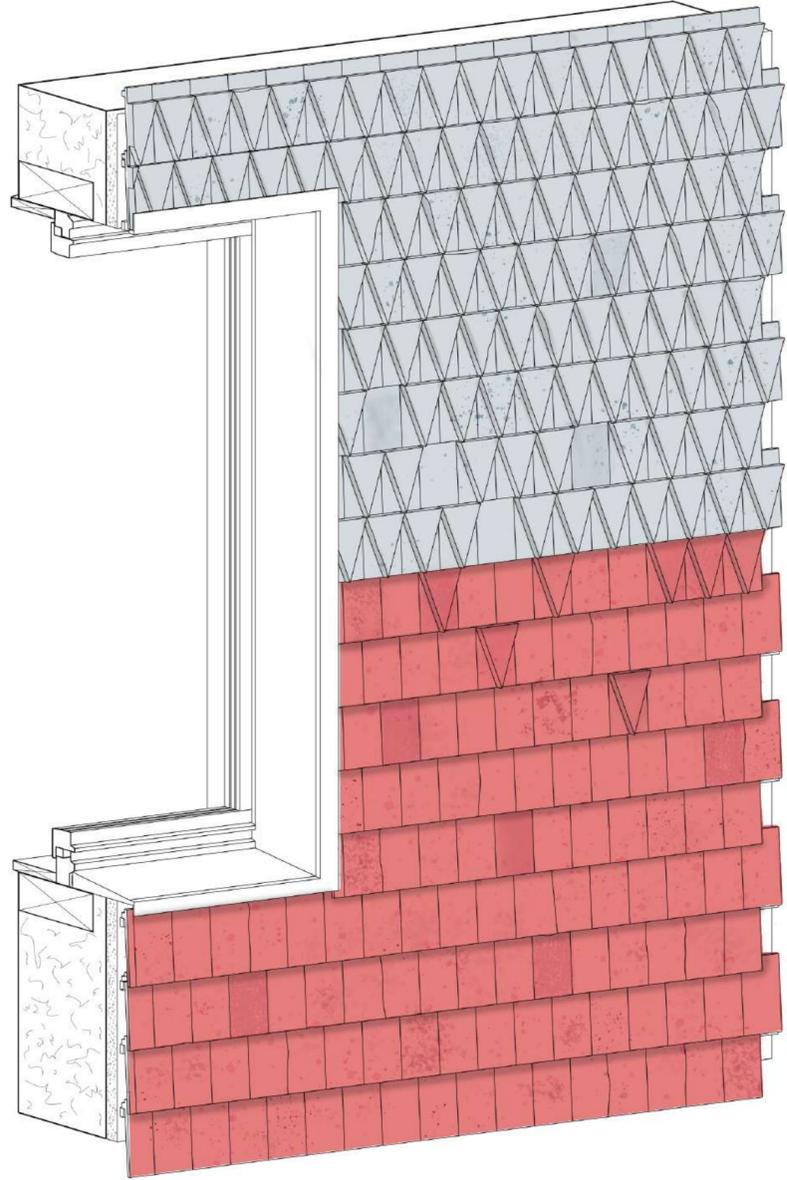
Palazzo Medici Riccardi, Florence



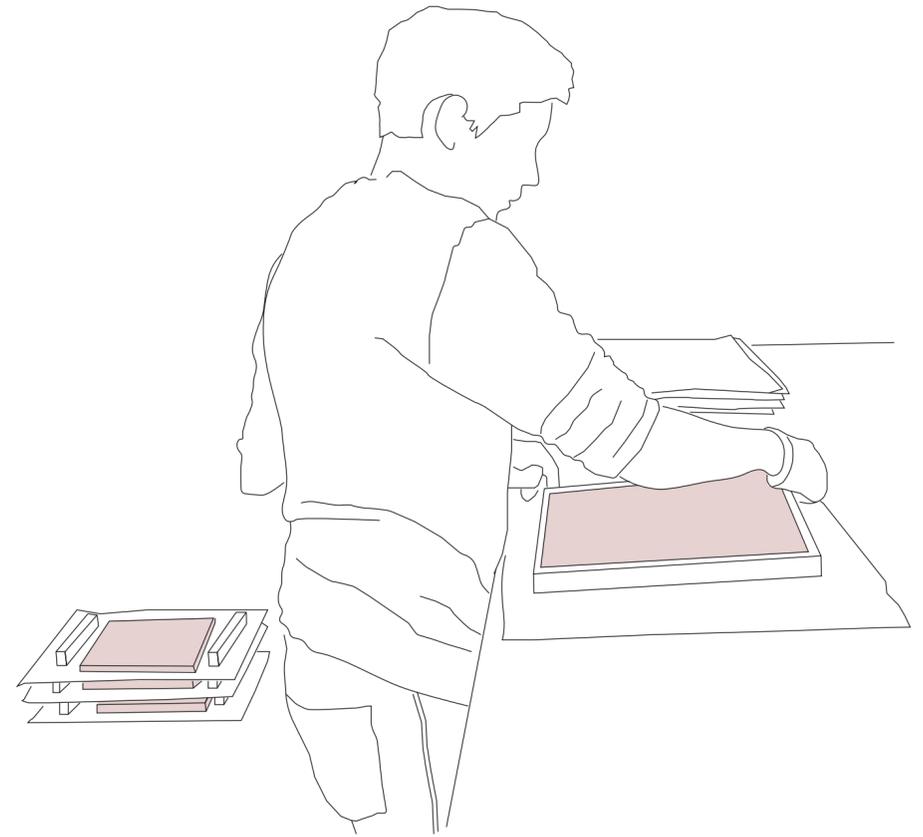
Facade Study



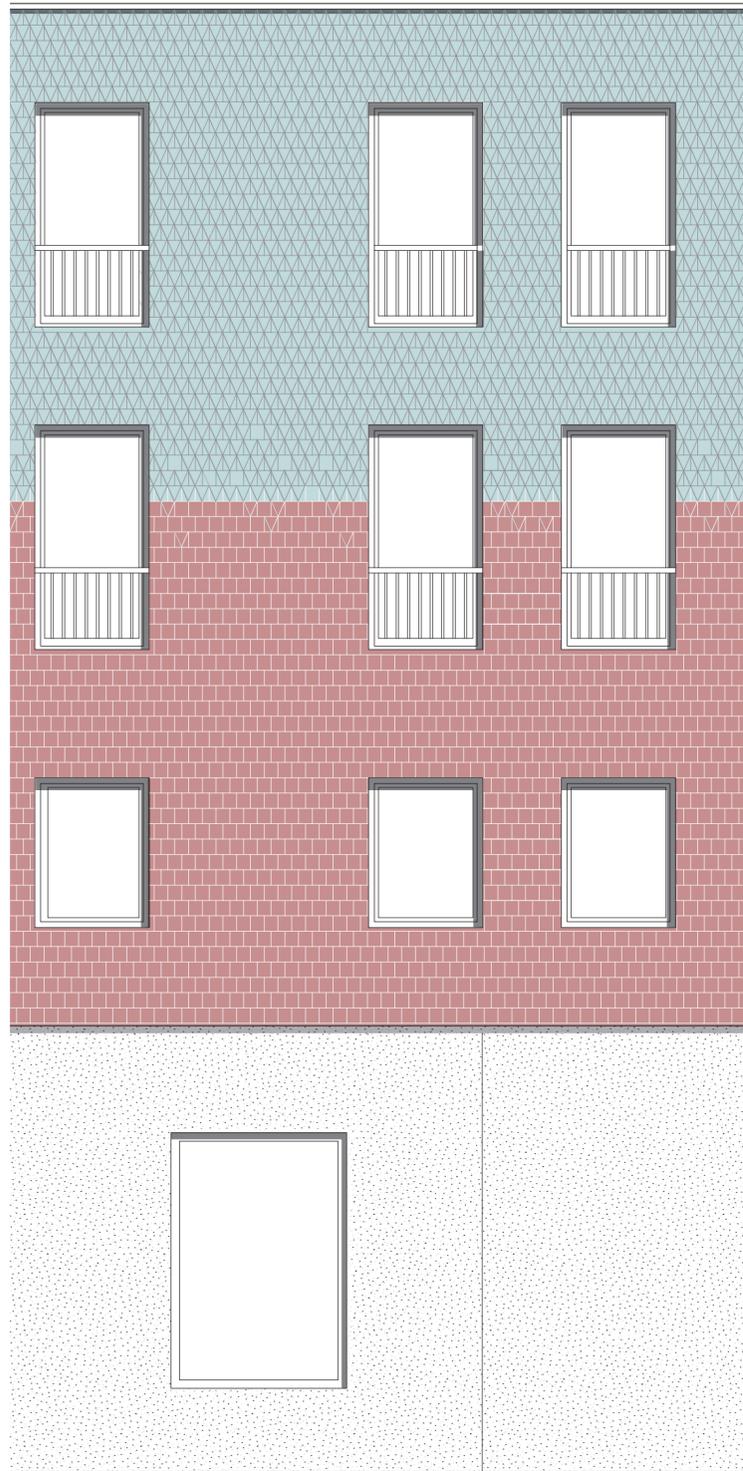
Front Elevation



Isometric Drawing  
Tiles Detail



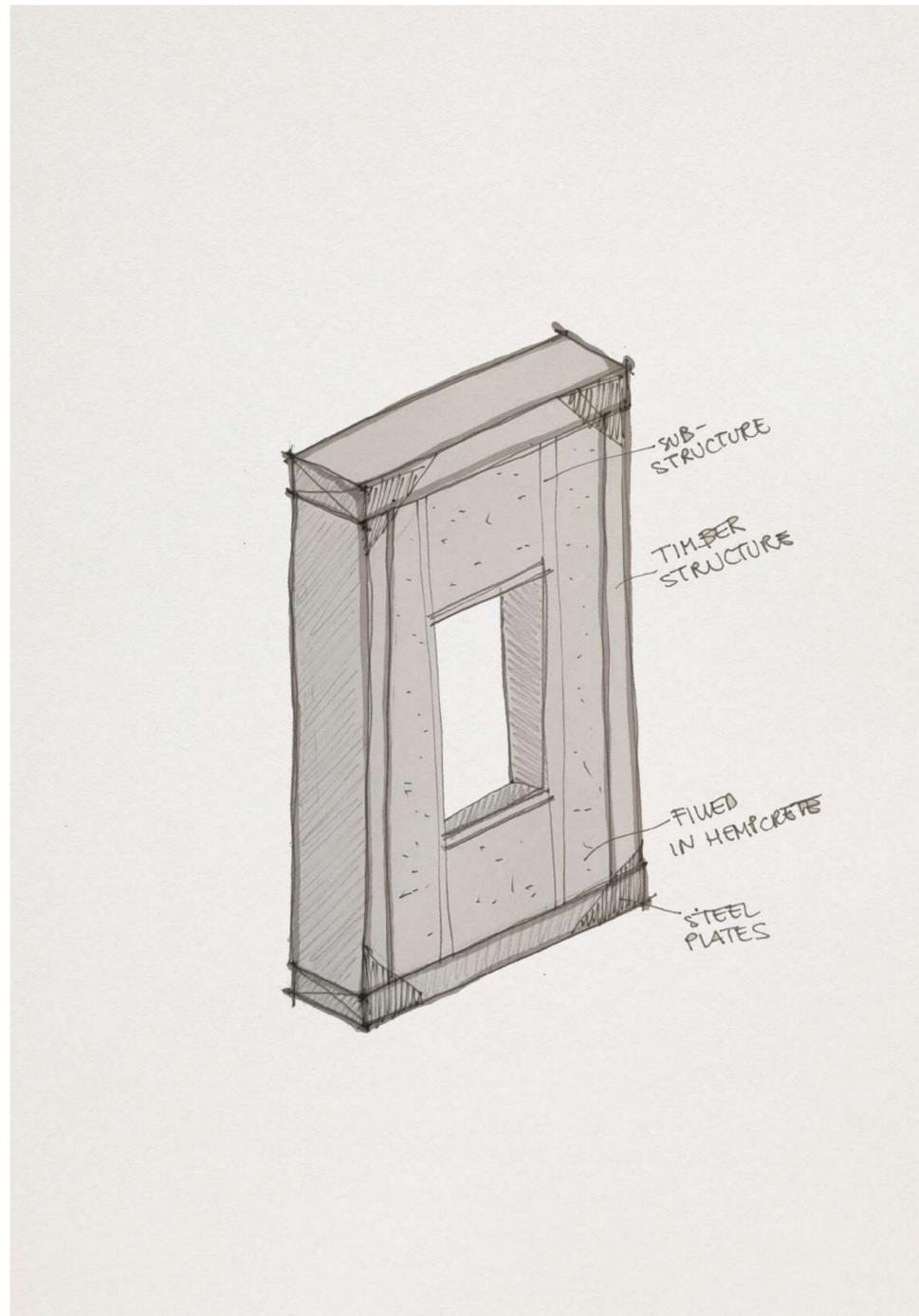
Tile Making Process



External Elevation



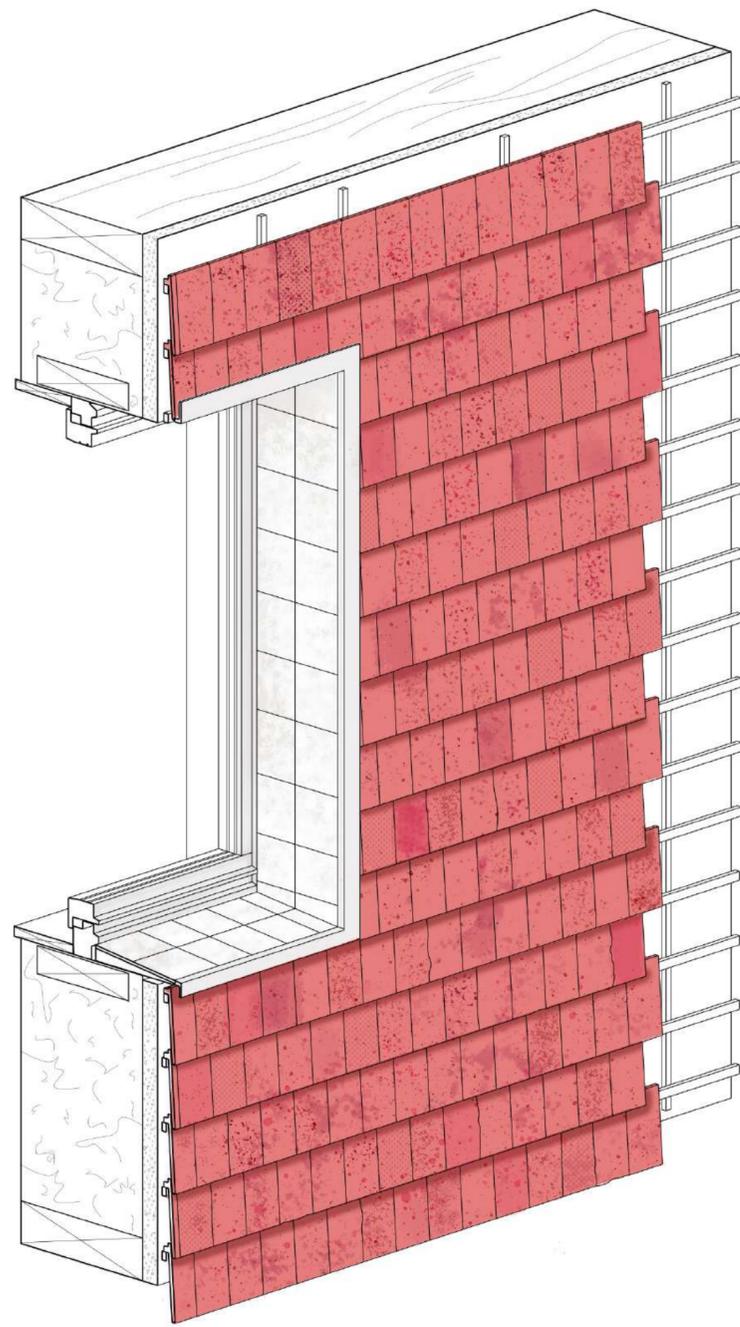
Internal Elevation



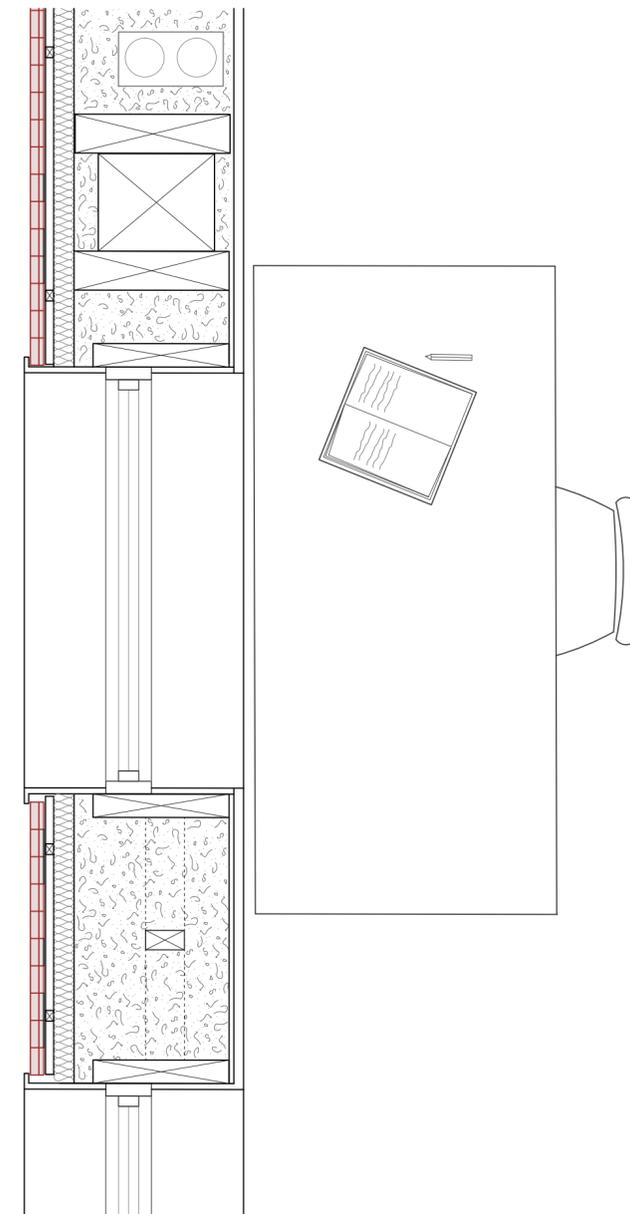
In contrast with the ground floor concrete plinth, the upper part of the building is a lightweight structure, made with natural materials such as timber and hemp which can be easily reused or disposed of.

Hempcrete is an insulation material with thermal mass properties, thanks to the lime binder.

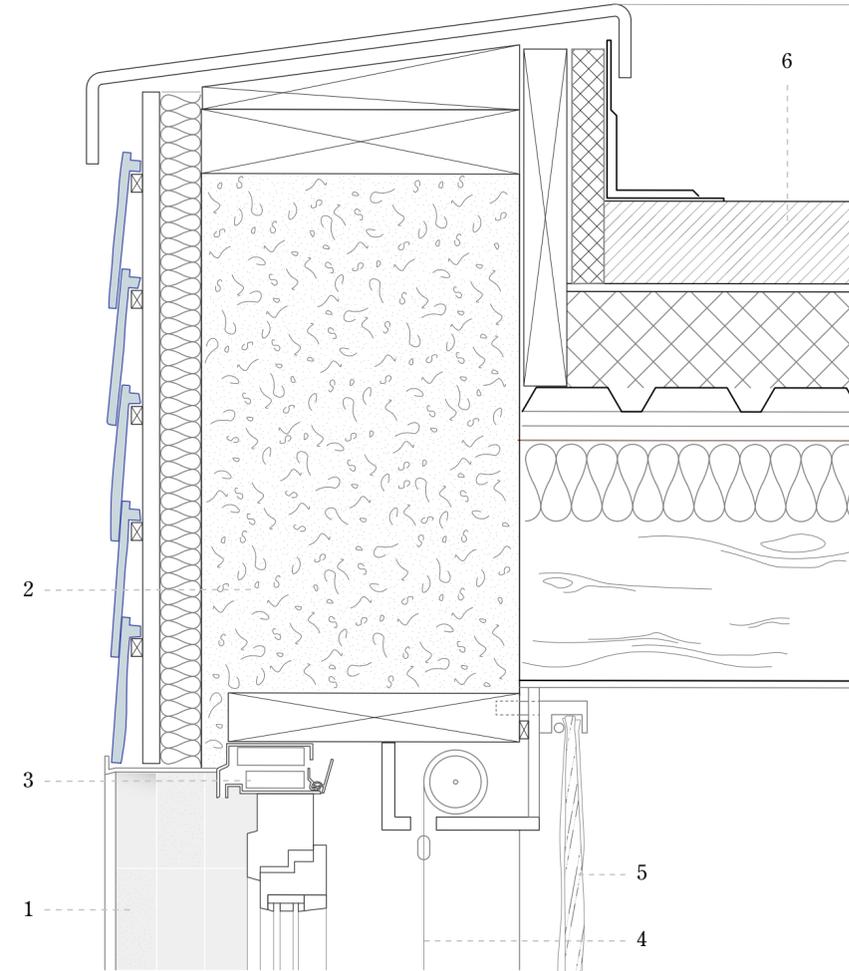
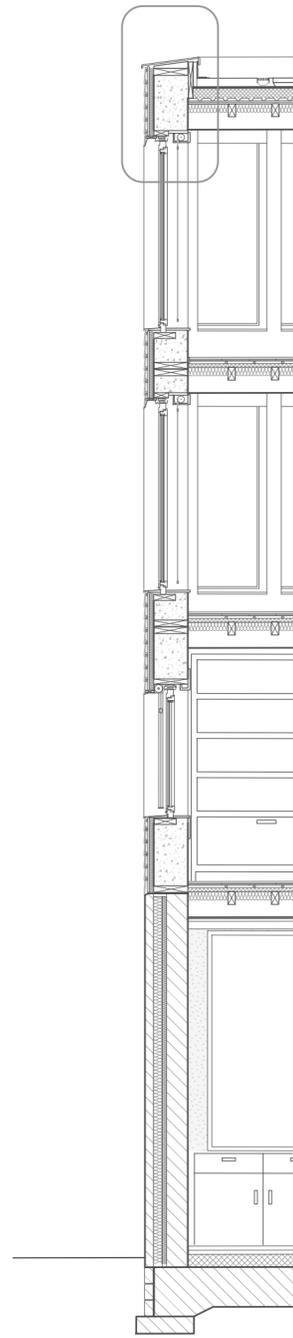
As a building material, hempcrete is responsible for negative net carbon emissions. The 37,12 tonnes of hemp used in the building are estimated to have sequestered 14.24 tonnes of CO<sub>2</sub>.



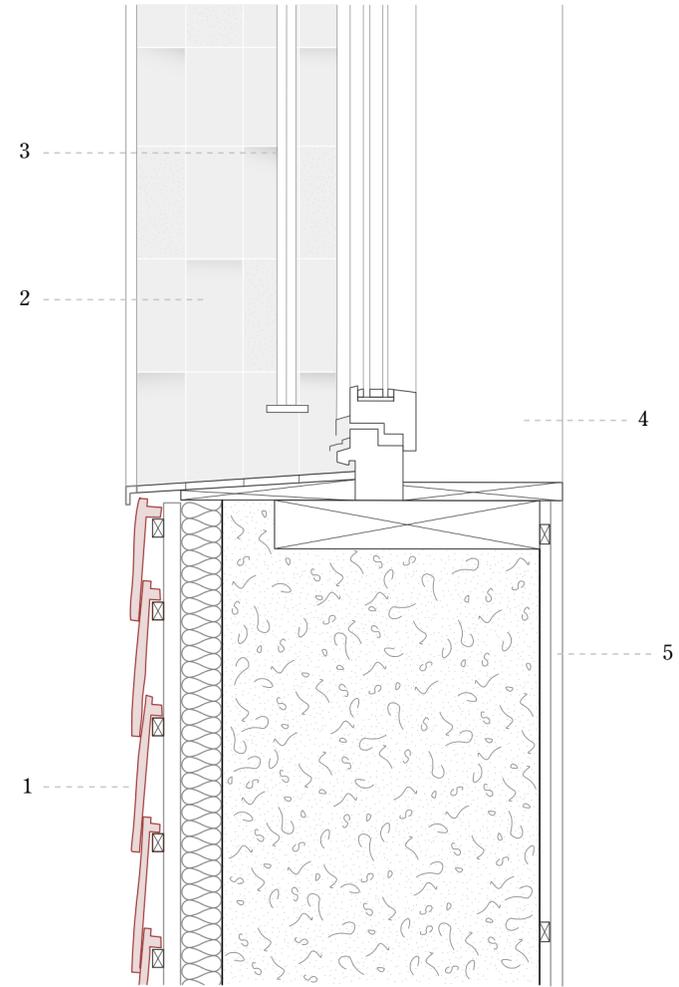
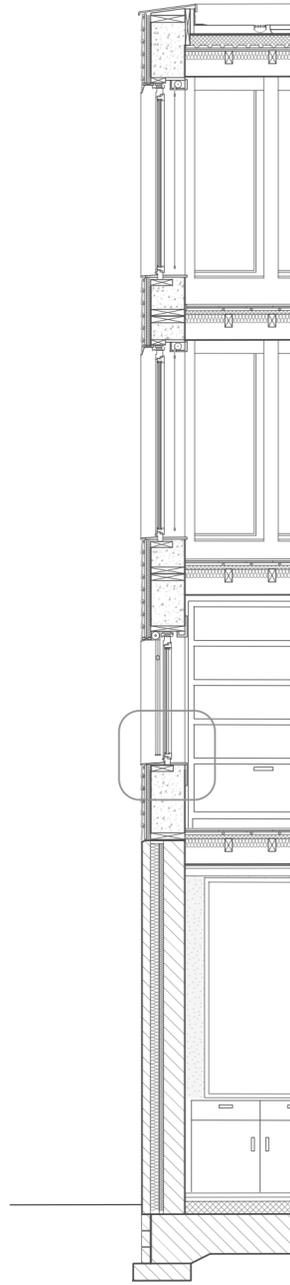
Isometric Drawing  
Construction Details



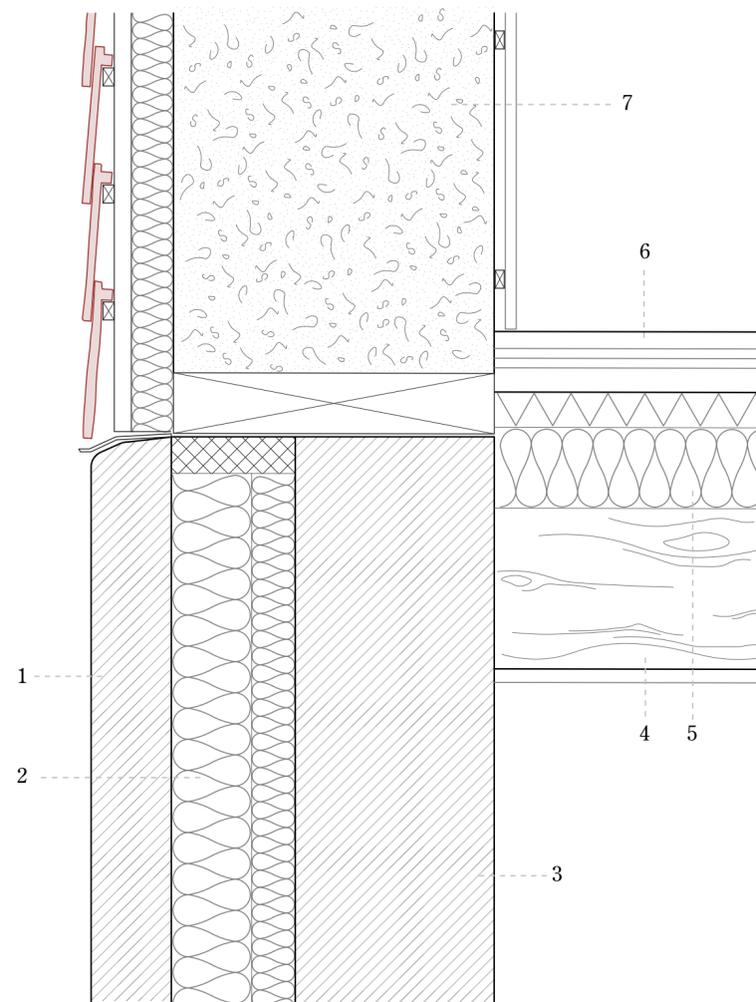
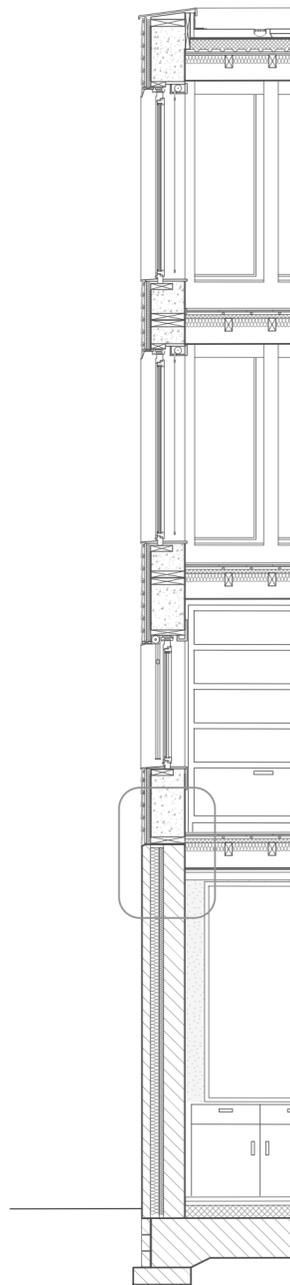
Horizontal Section



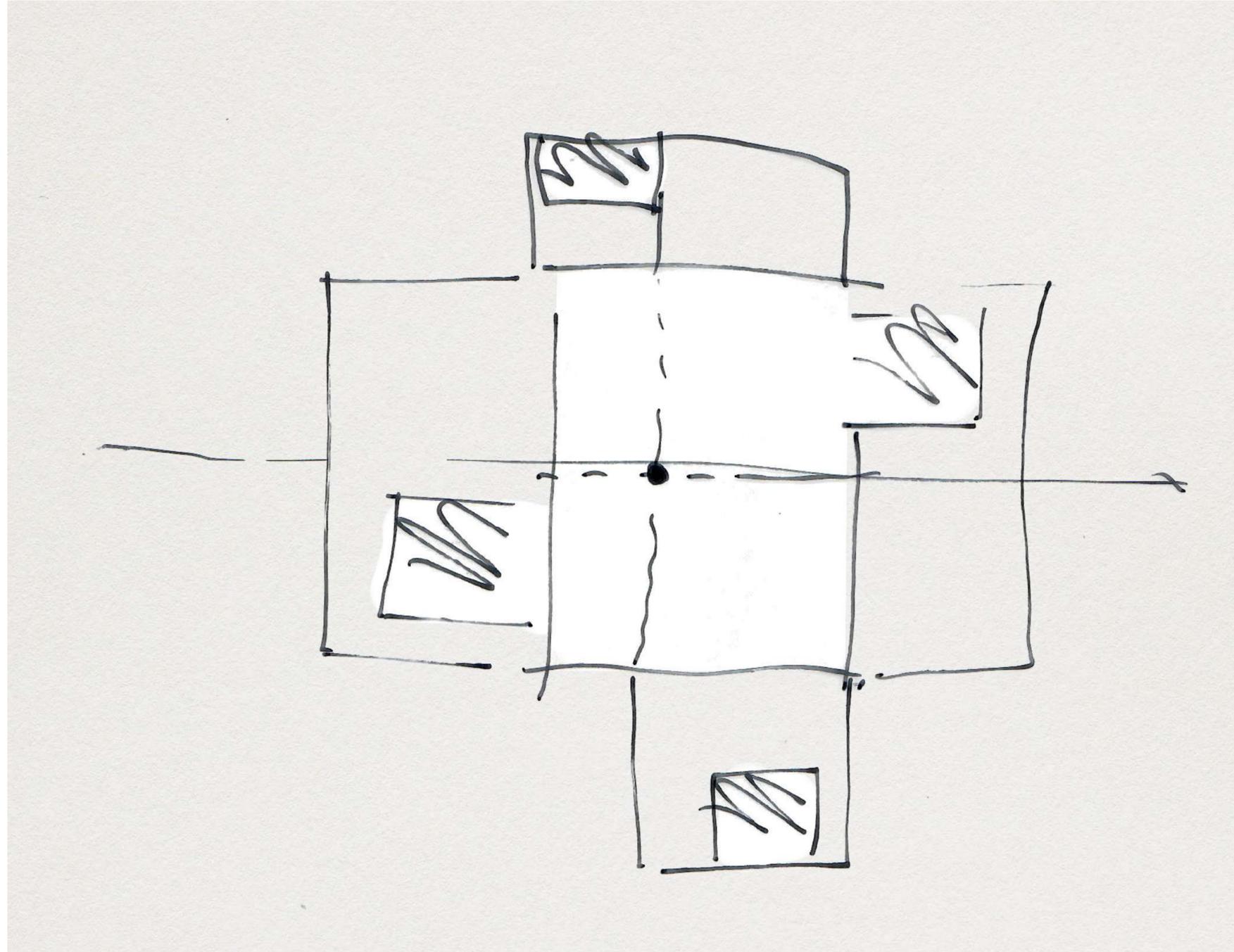
- 1. handmade white glazed clay tile
- 2. 400mm prefabricated wall panel: 100x50mm wall studs infill with hempcrete, 50mm wool fibre insulation, 20x50mm batten, 45x70 counter batten, handmade blue clay tile
- 3. trickle vent
- 4. internal solar shading
- 5. curtains
- 6. roof structure: 300x150 timber beam, 95mm wool fibre insulation, corrugate metal sheet, 200mm rigid insulation, water proof layers, concrete screed



1. 400mm prefabricated wall panel: 100x50mm wall studs infill with hempcrete, 50mm wool fibre insulation, 20x50mm batten, 45x70 counter batten, handmade red clay tile
2. handmade white glazed clay tile
3. external solar shading
4. 25mm hardwood window reveal
5. 20mm hardwood panelling

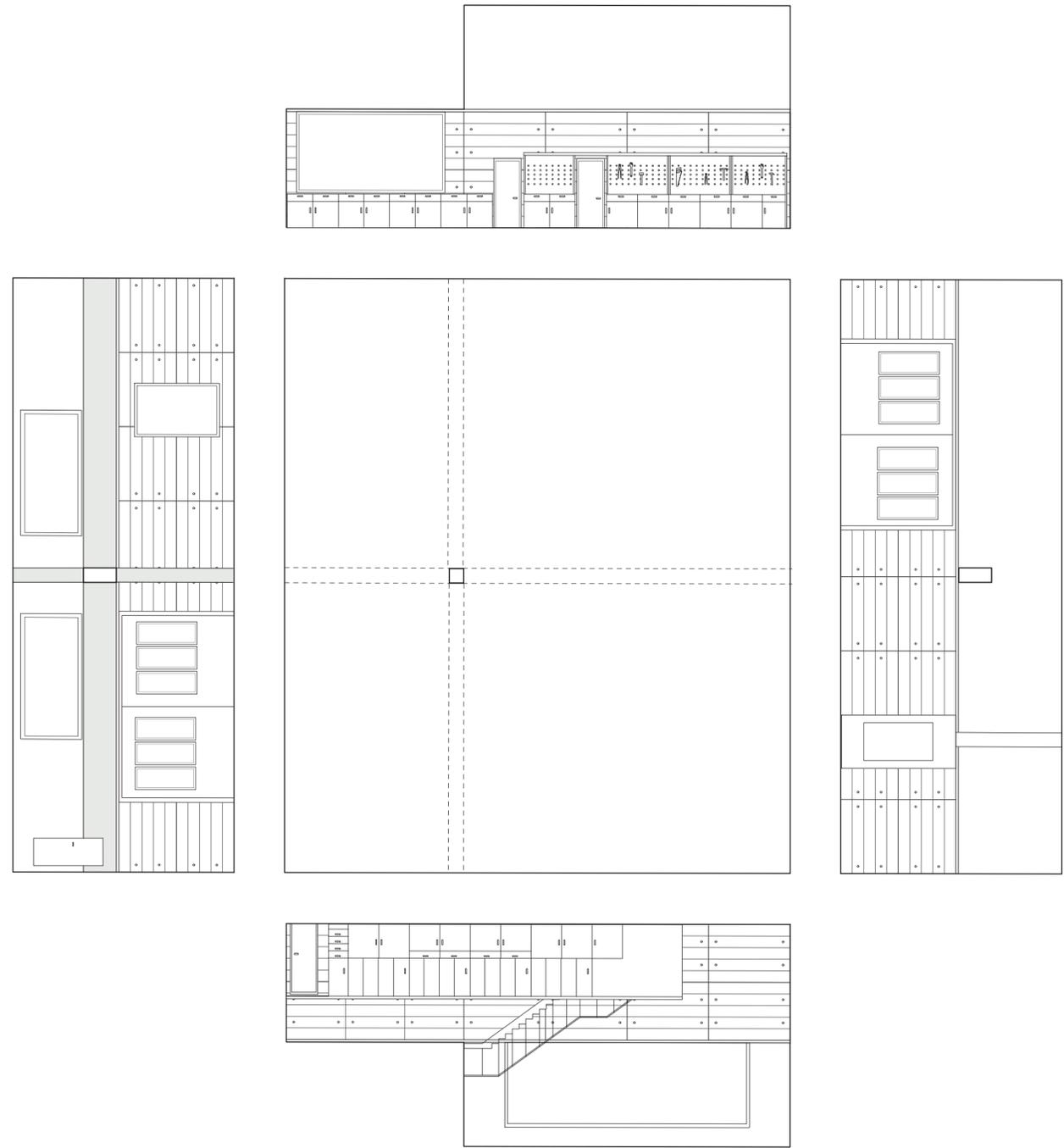


- 1. 95mm prefabricated concrete wall - external leaf
- 2. 150mm Kingslan insulation
- 3. 250mm cast in situ concrete wall - internal leaf
- 4. 300x150mm timber beam
- 5. 95mm wool fiber insulation
- 6. floor structure: 40mm rigid insulation,  
underfloor heating, concrete floor finishing
- 7. 400mm prefabricated wall panel: 100x50mm  
wall studs infill with hempcrete, 50mm wool fire  
insulation, 20x50mm batten, 45x70 counter batten,  
handmade red clay tile



Sketch





Workshop Developed Surface Drawing

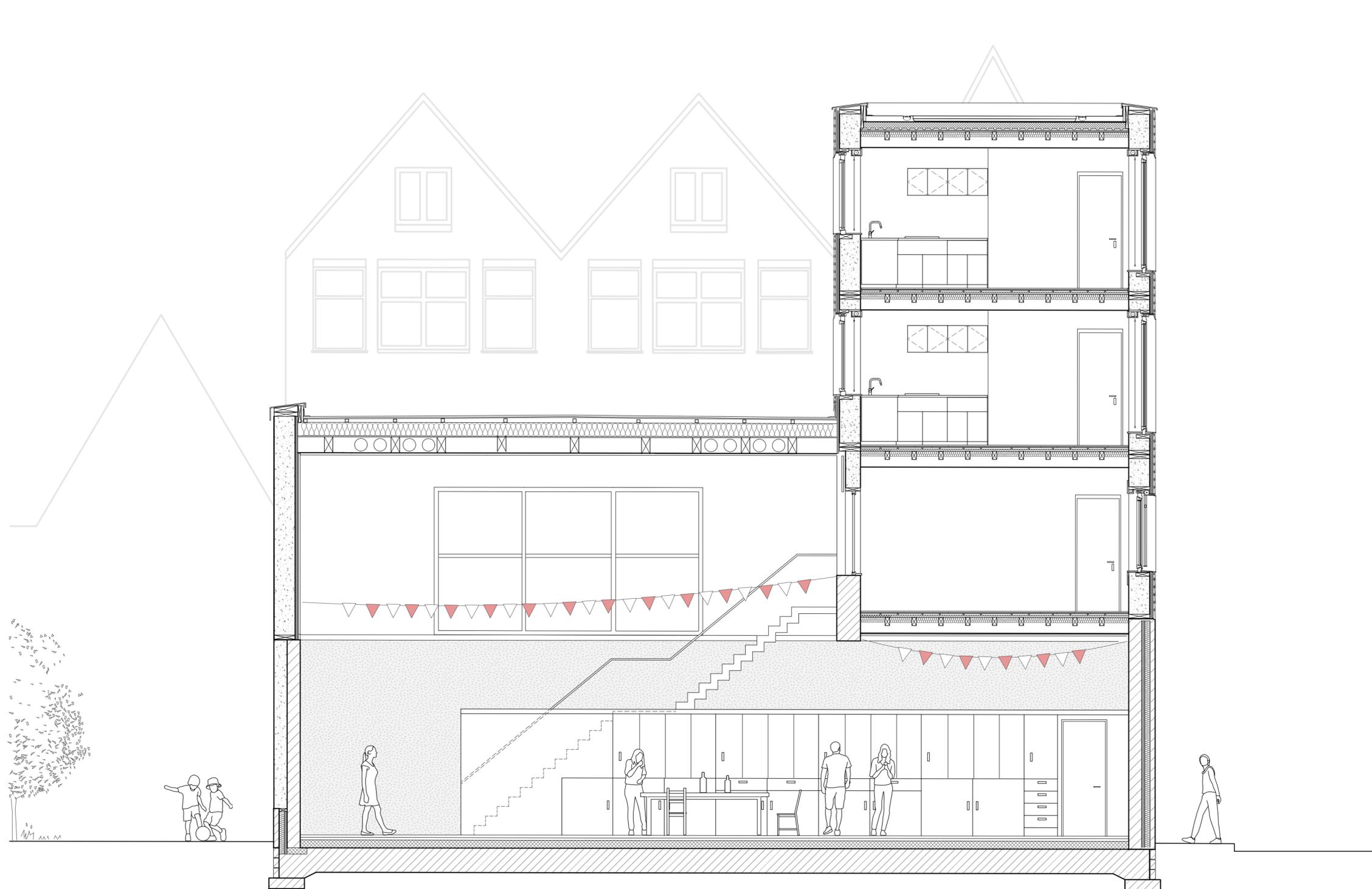


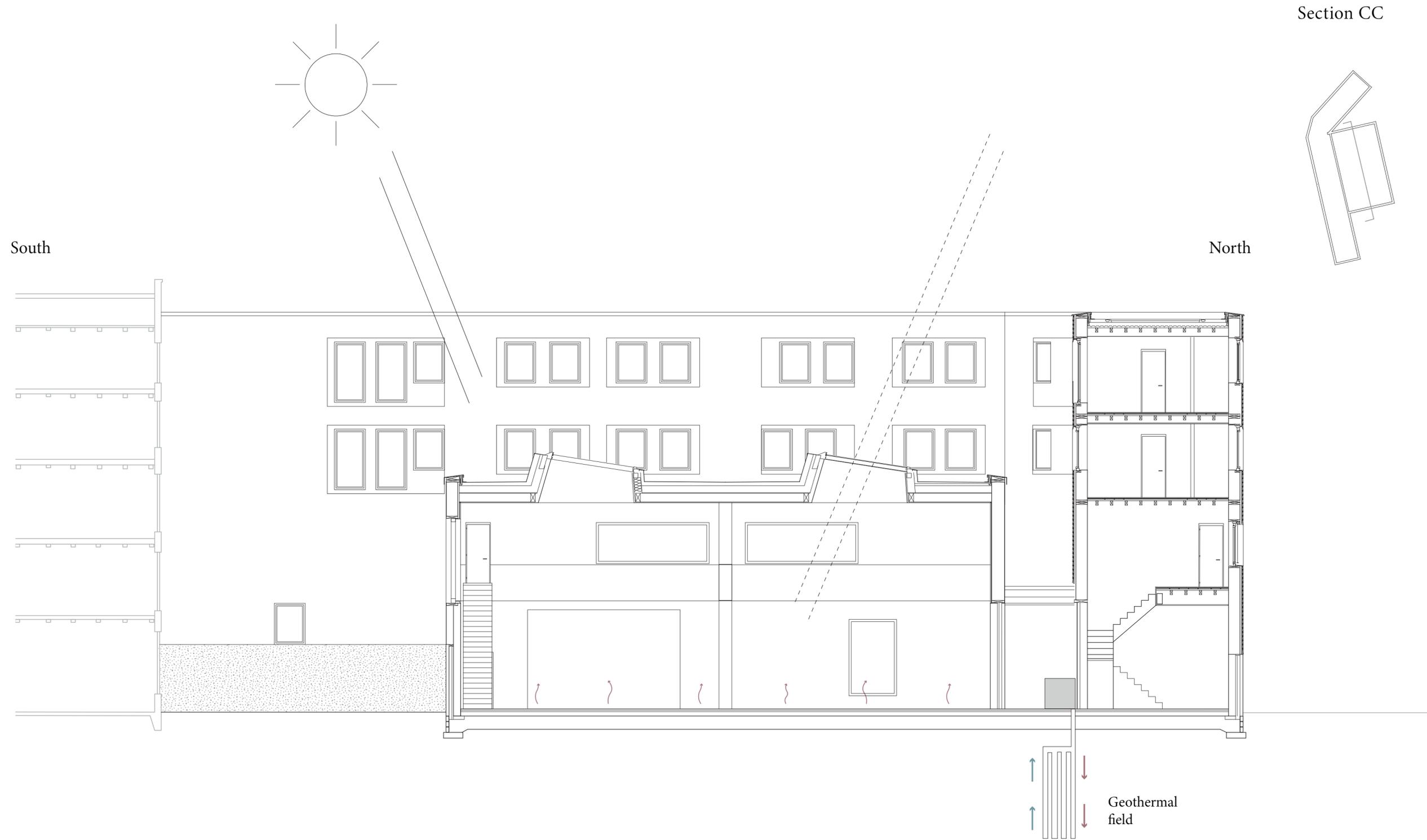
Section AA





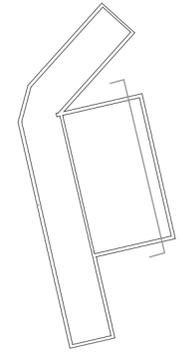
Section BB





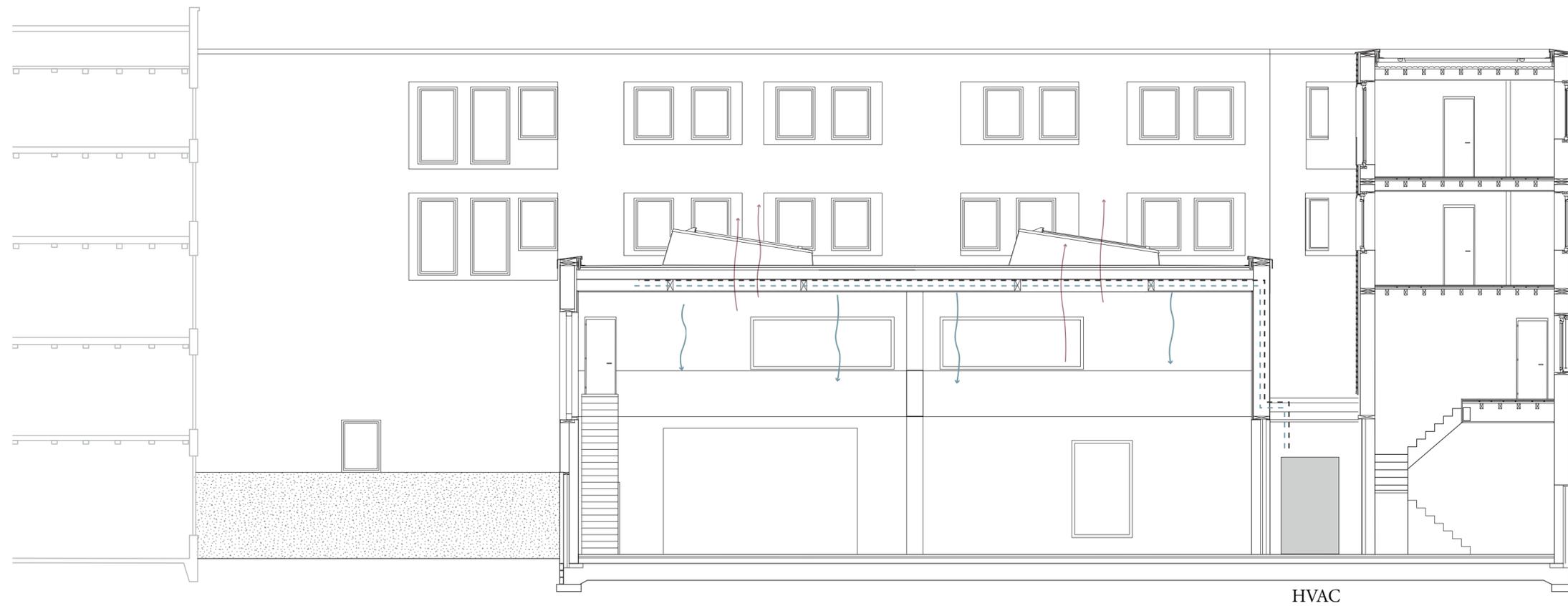
Thermal Comfort Diagram

Section DD



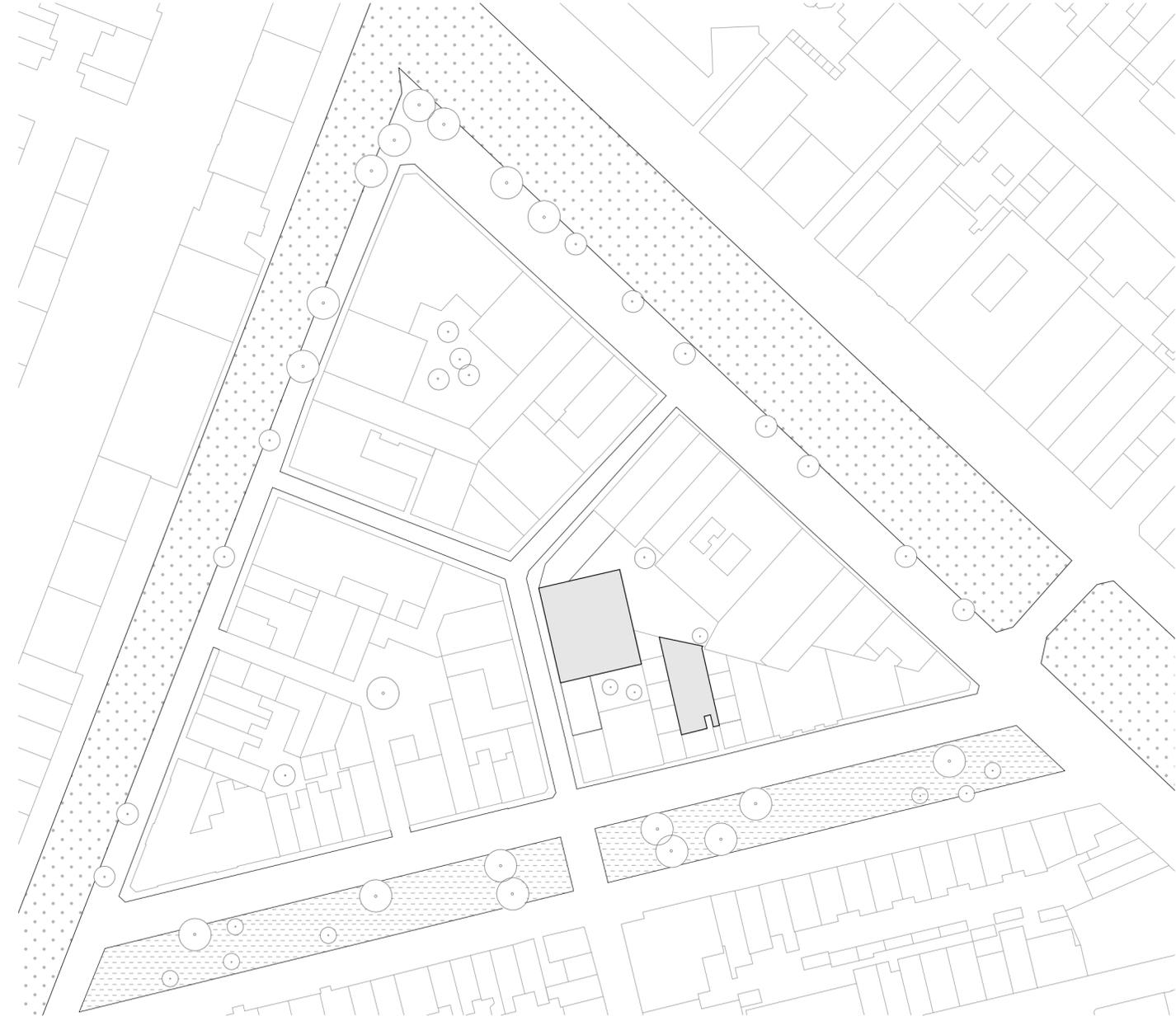
South

North



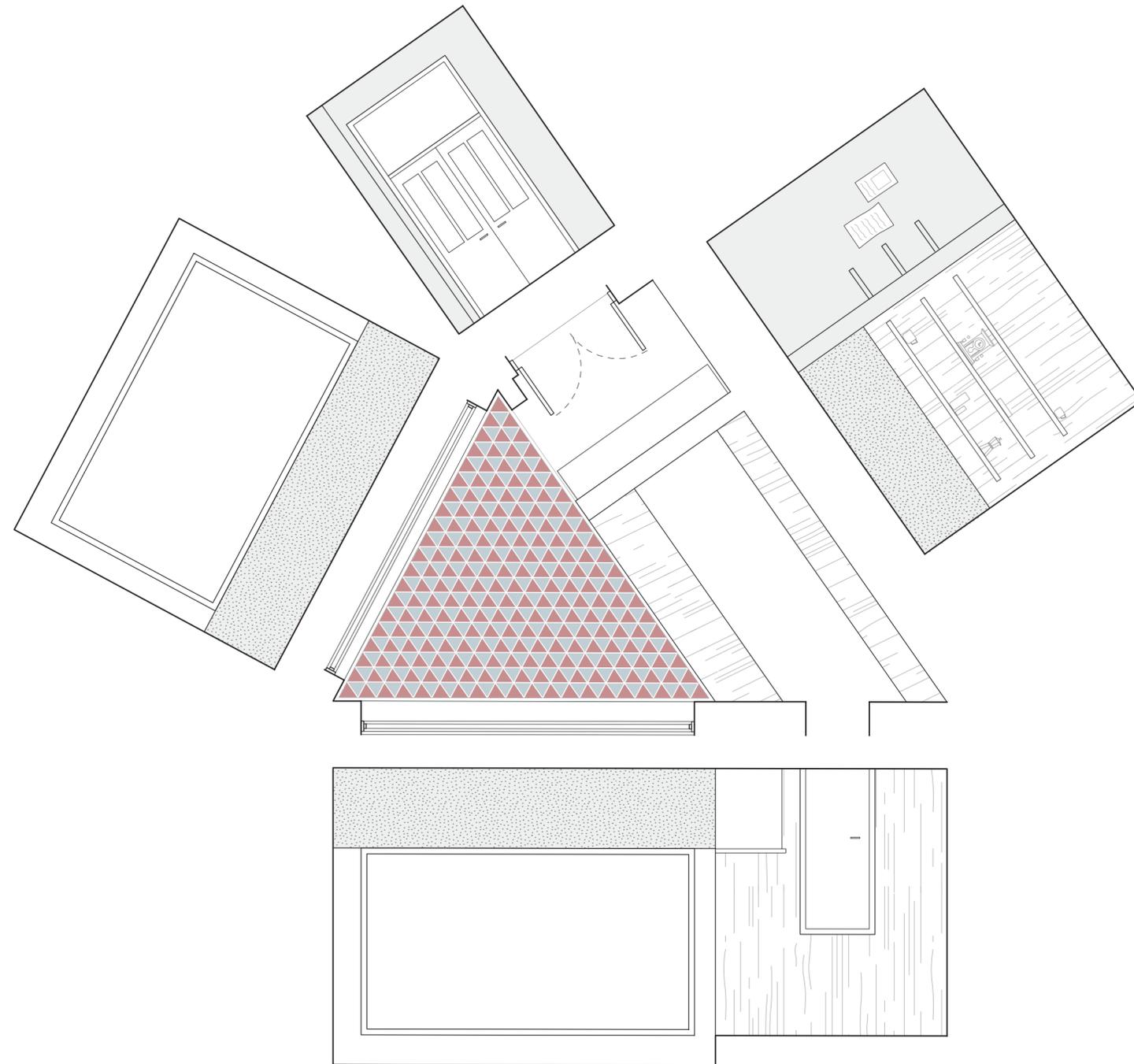
Air Quality Diagram





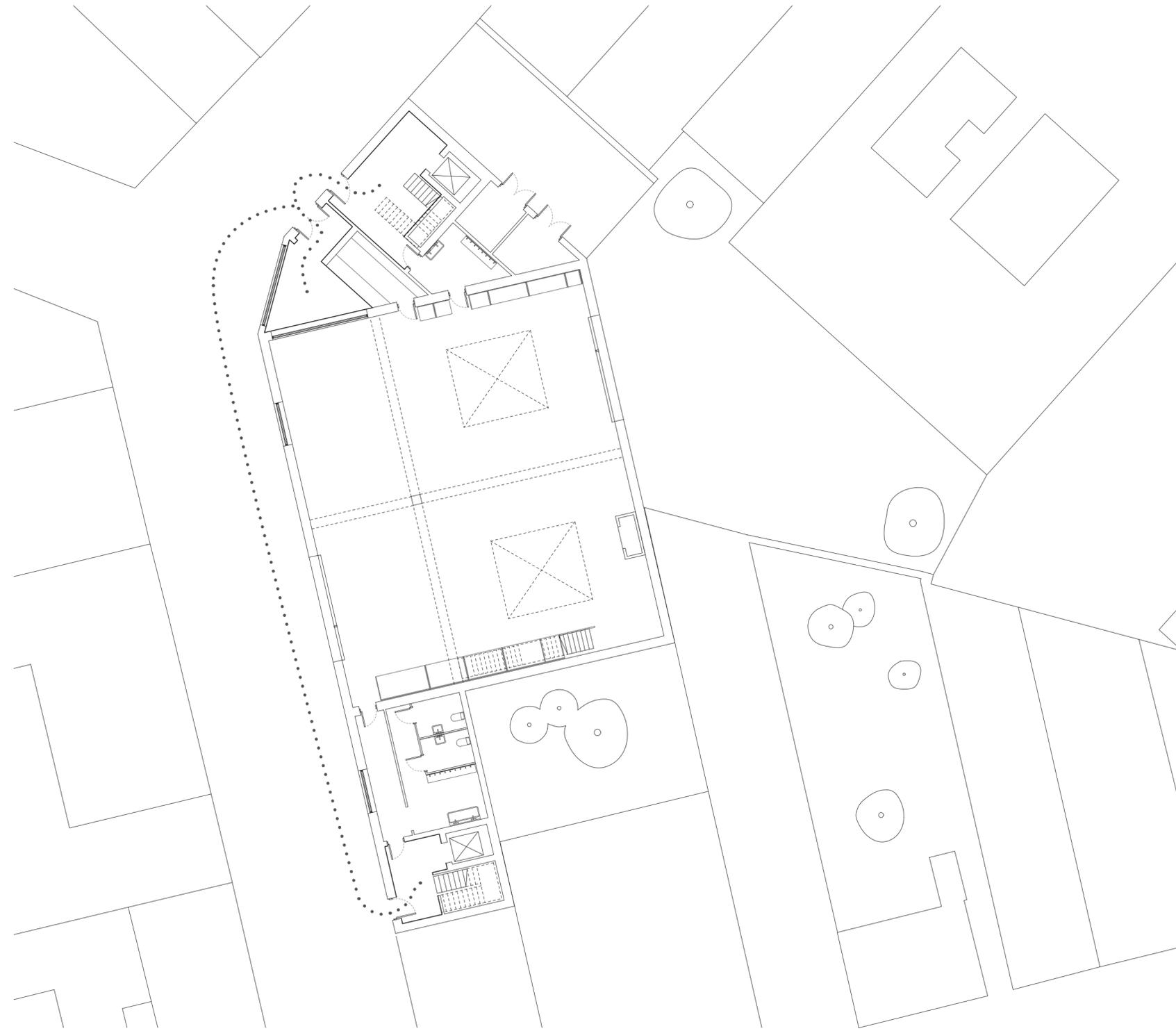
Public Rooms





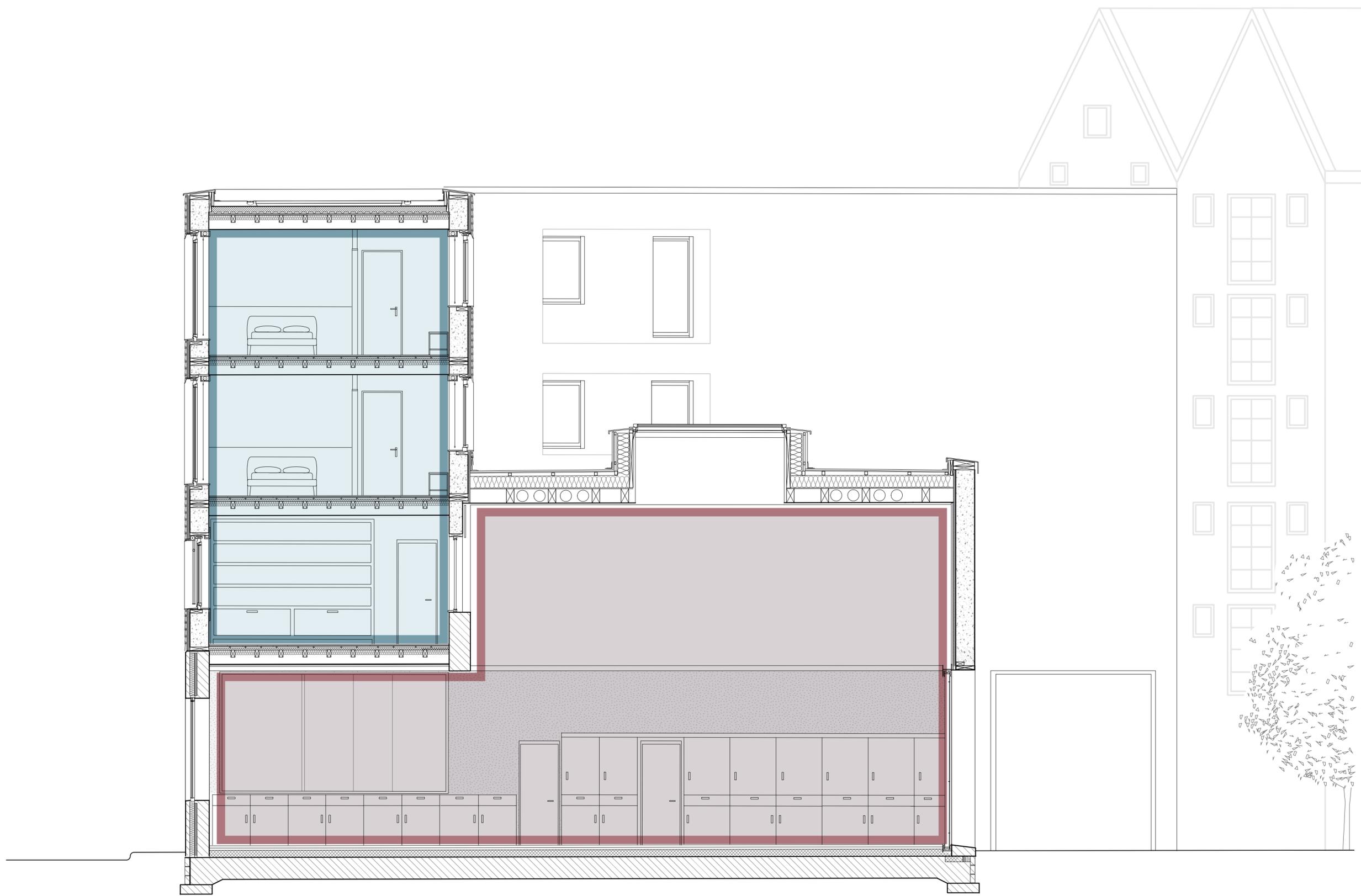
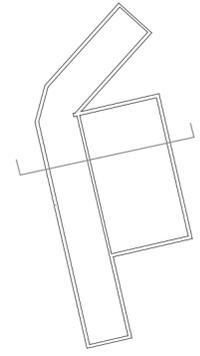
Repair Shop Developed Surface Drawing



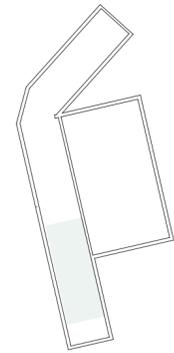
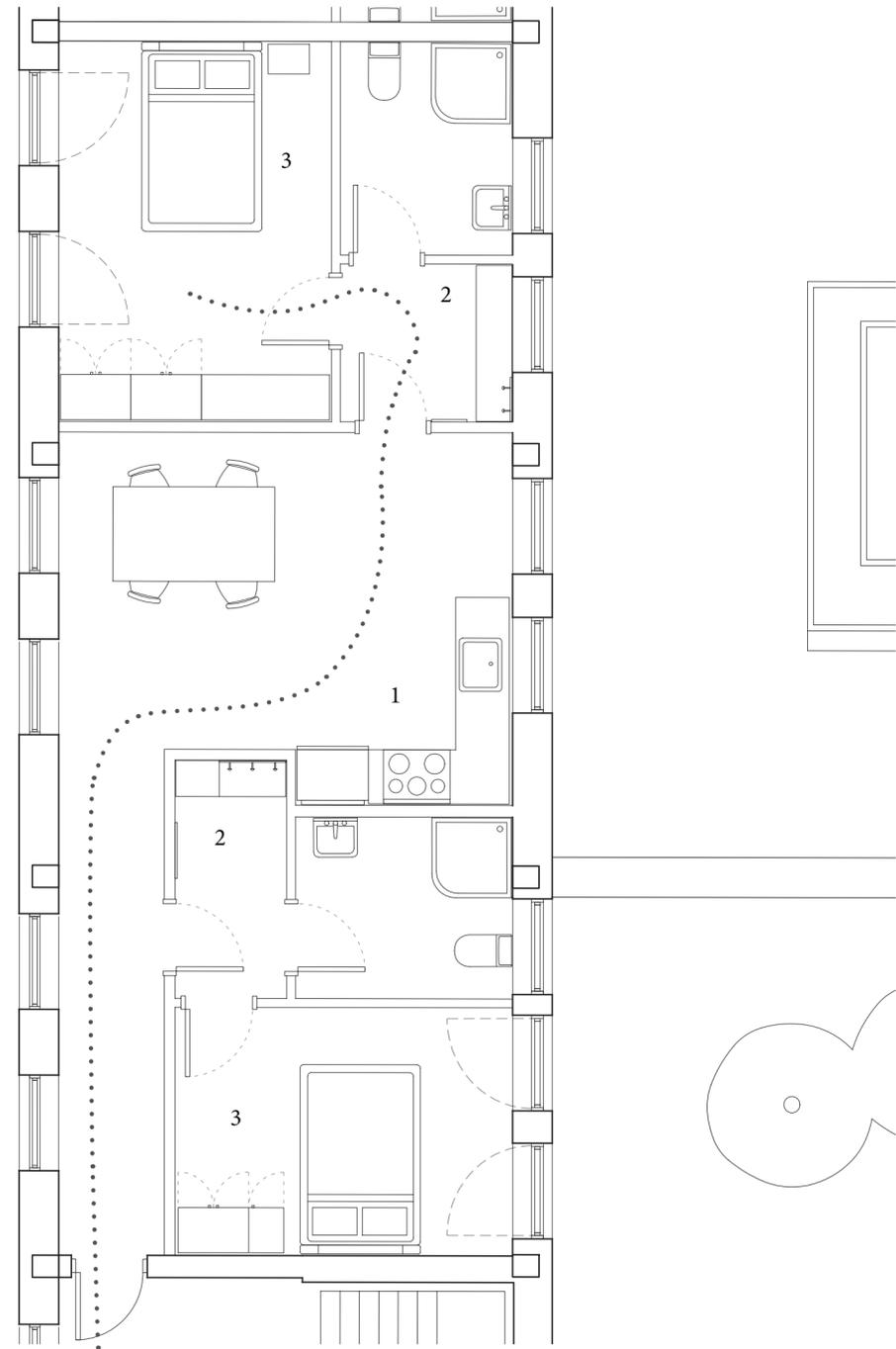


User's Route

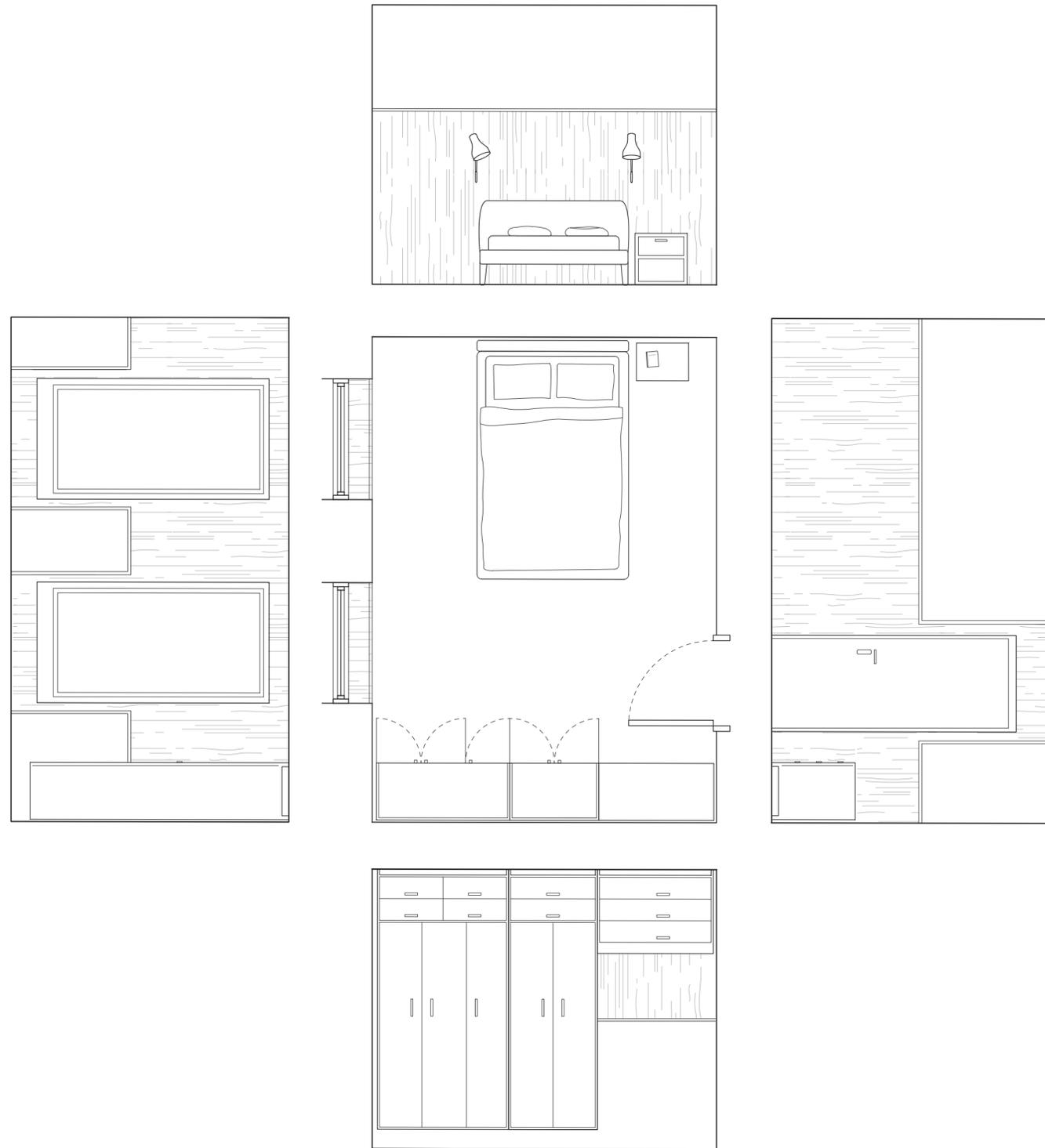
Section EE



- 1. common kitchen
- 2. dressing room
- 3. bedroom

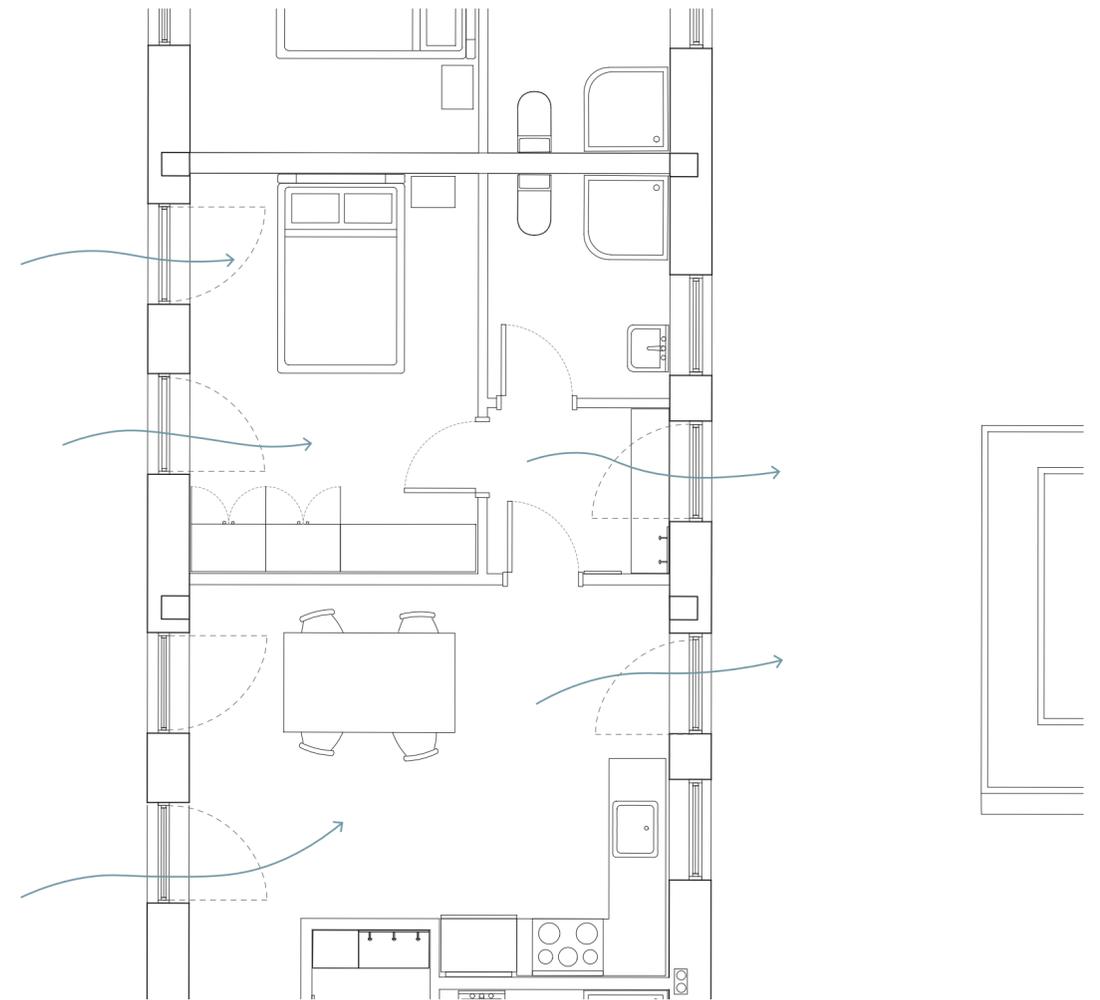
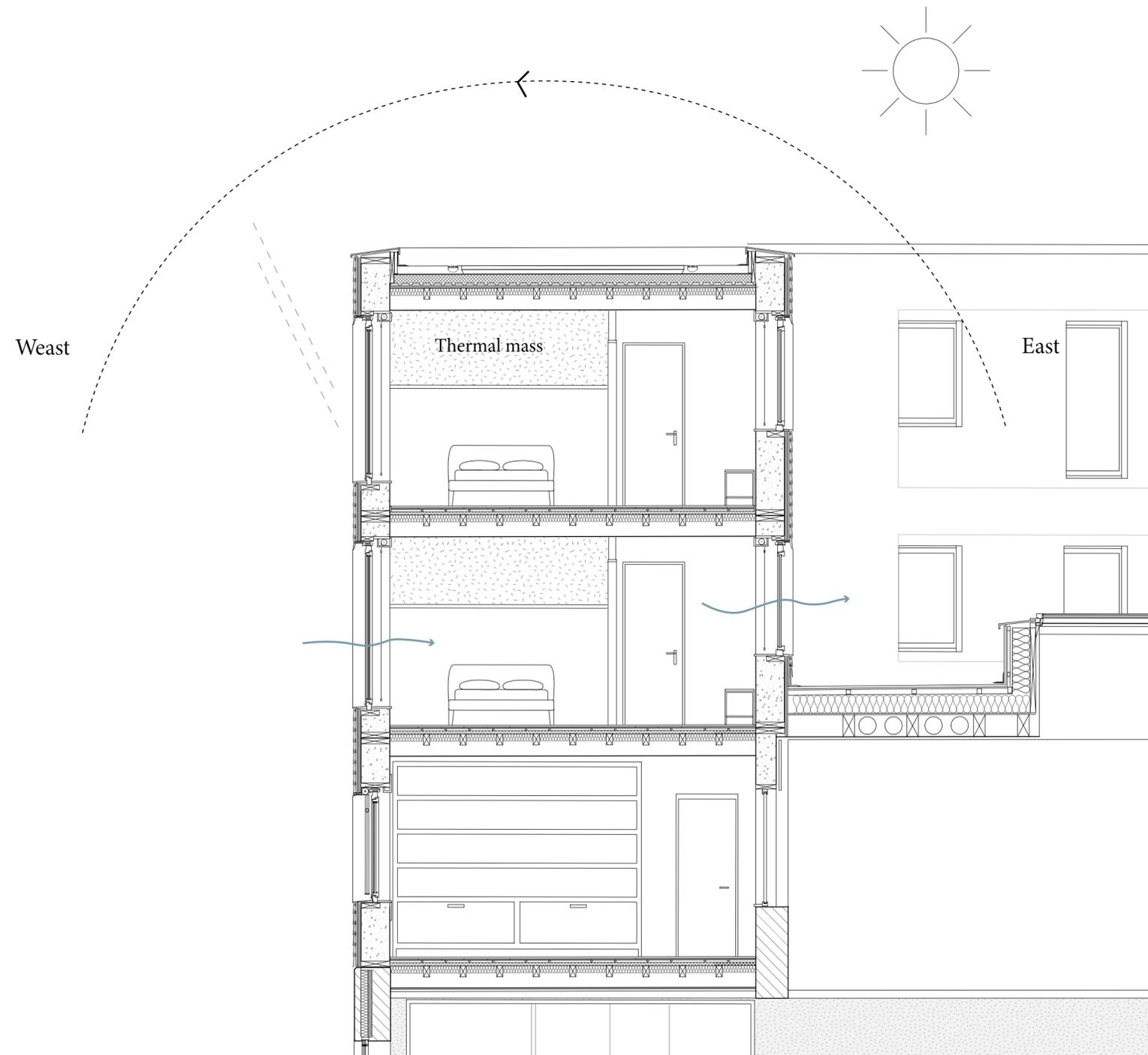


Apartment

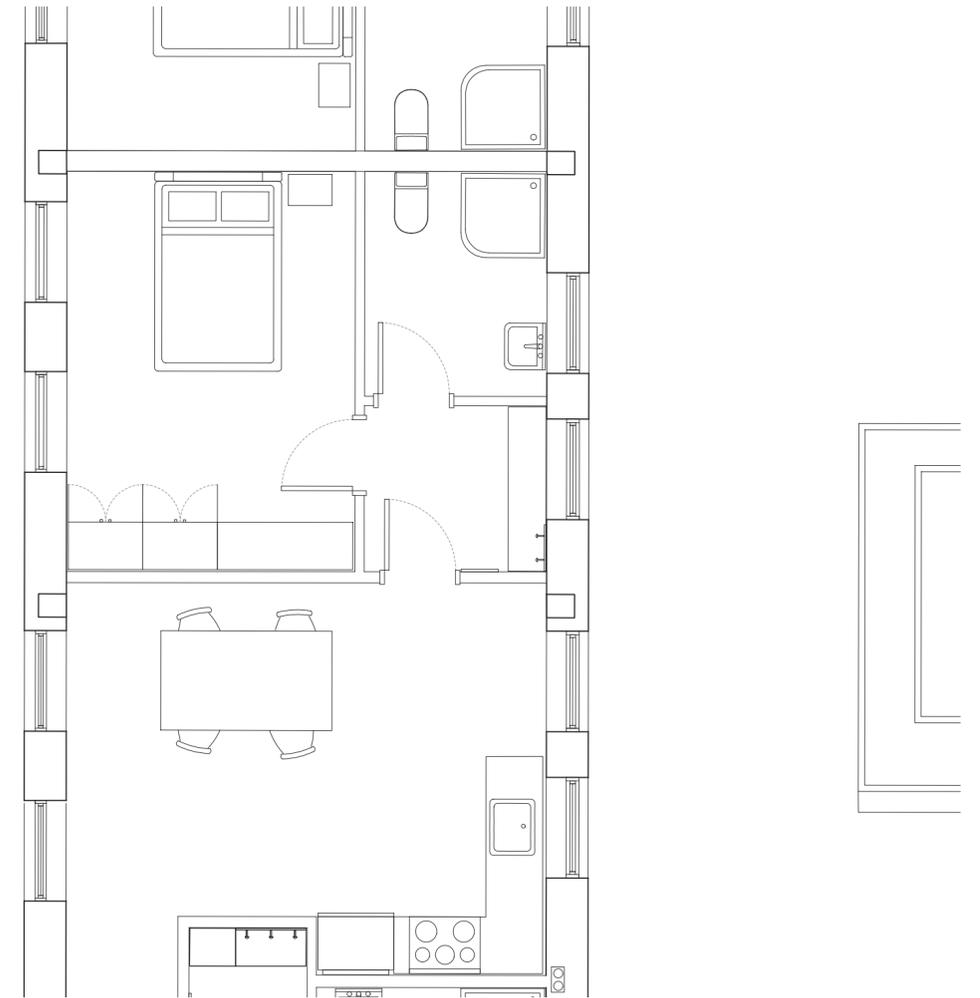
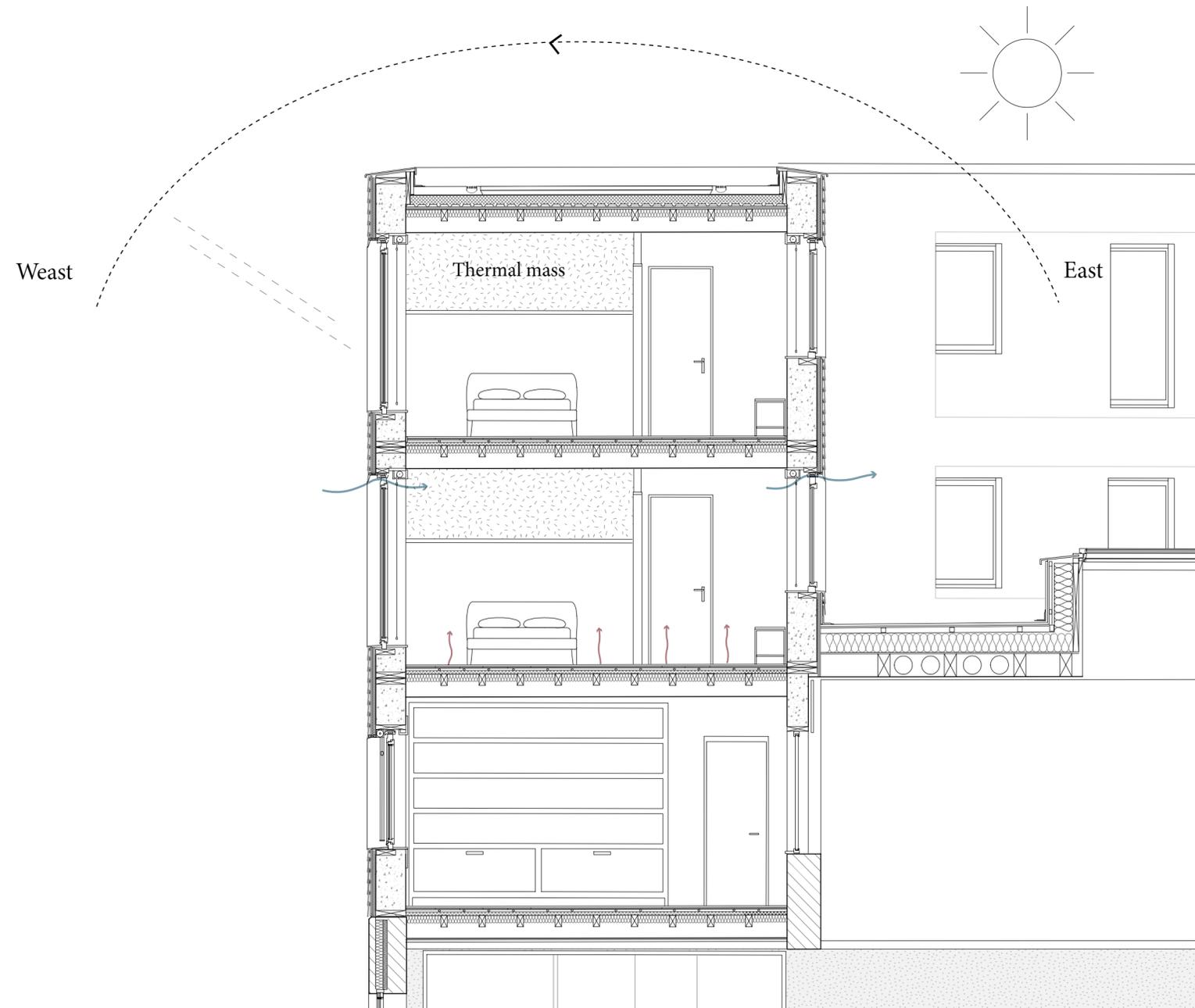


Room Developed Surface Drawing





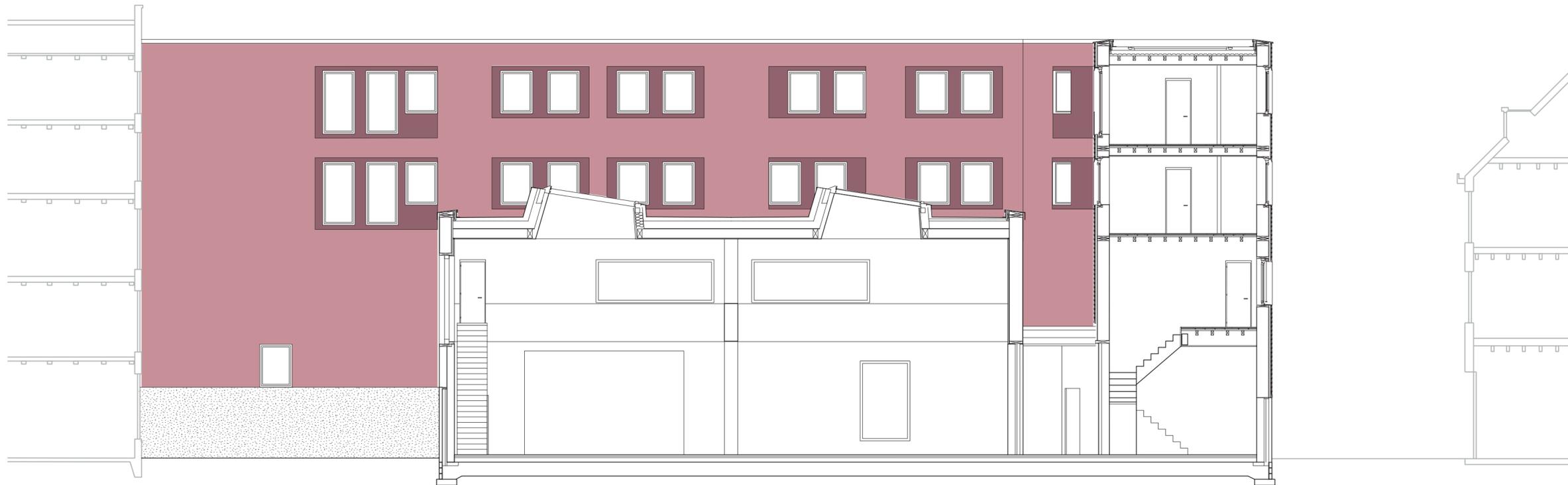
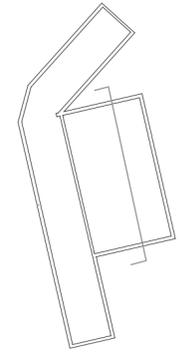
Climate Diagram Hotel Room  
Summer



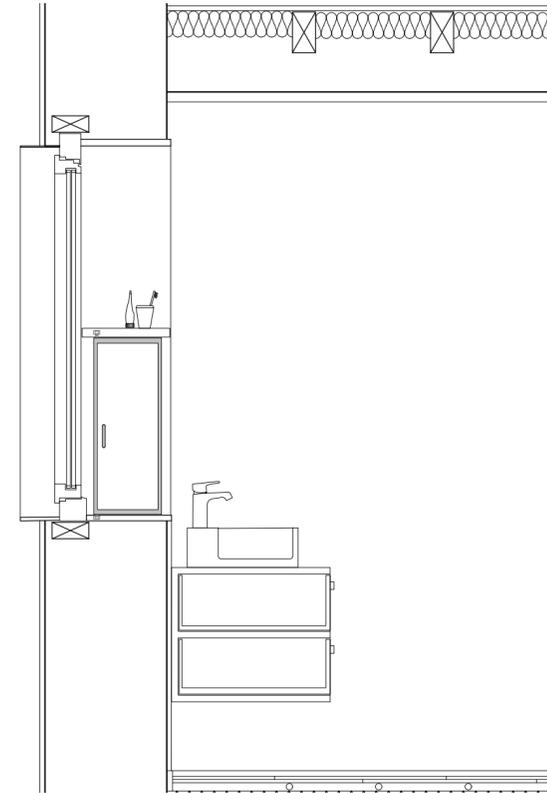
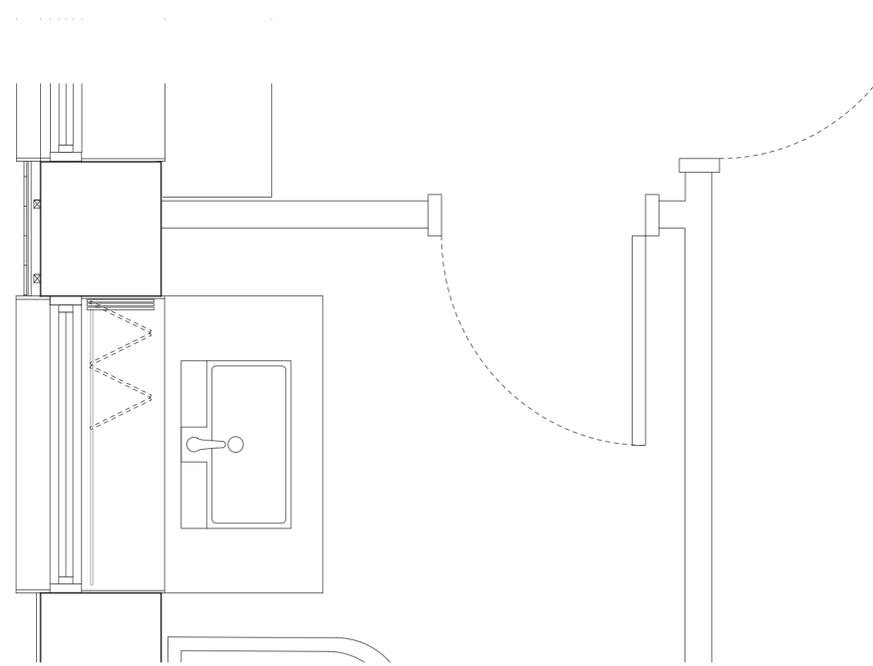
Climate Diagram Hotel Room  
Winter



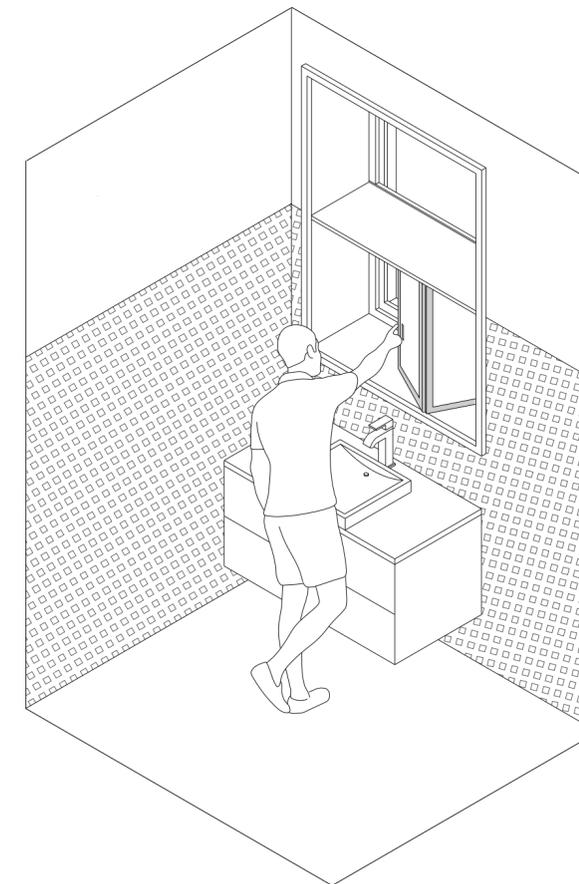
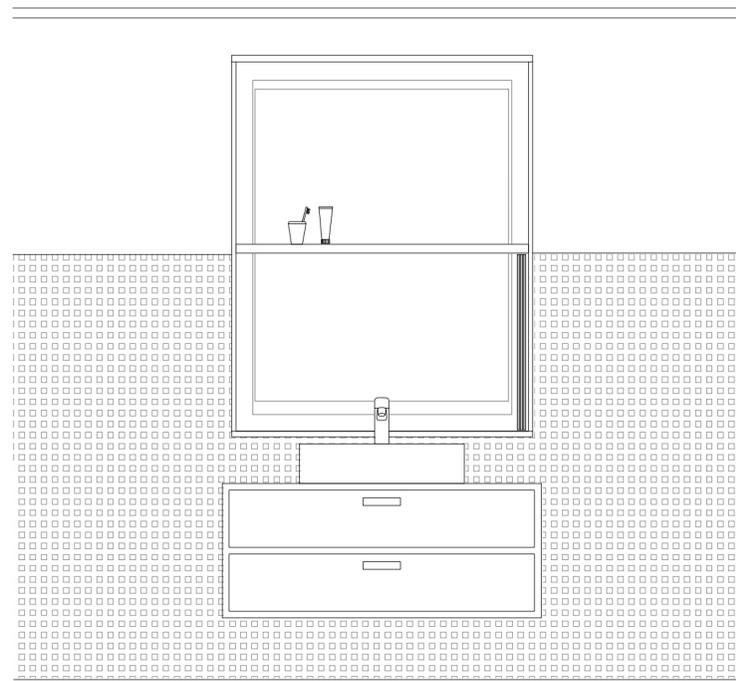
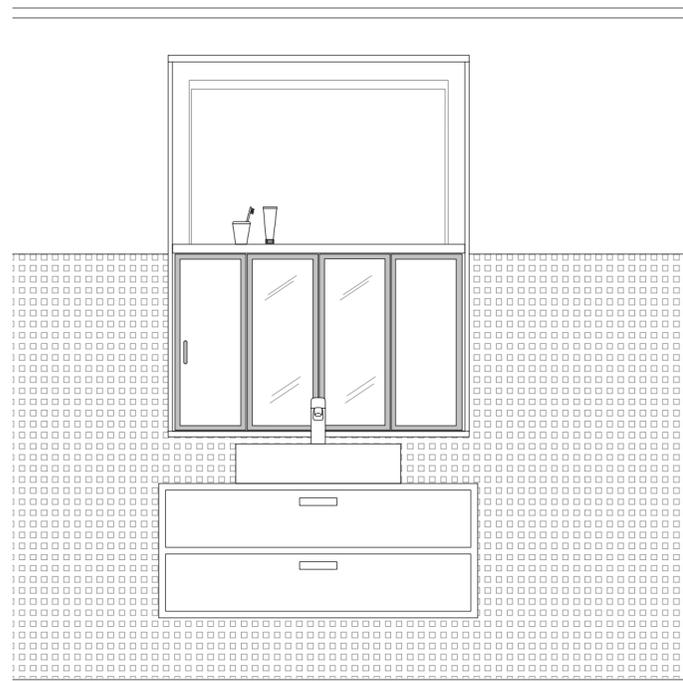
Section FF



Back Elevation

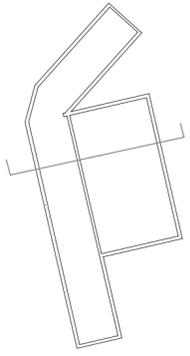


Plan And Section Bathroom Details

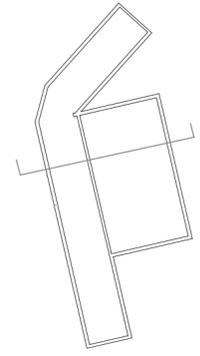
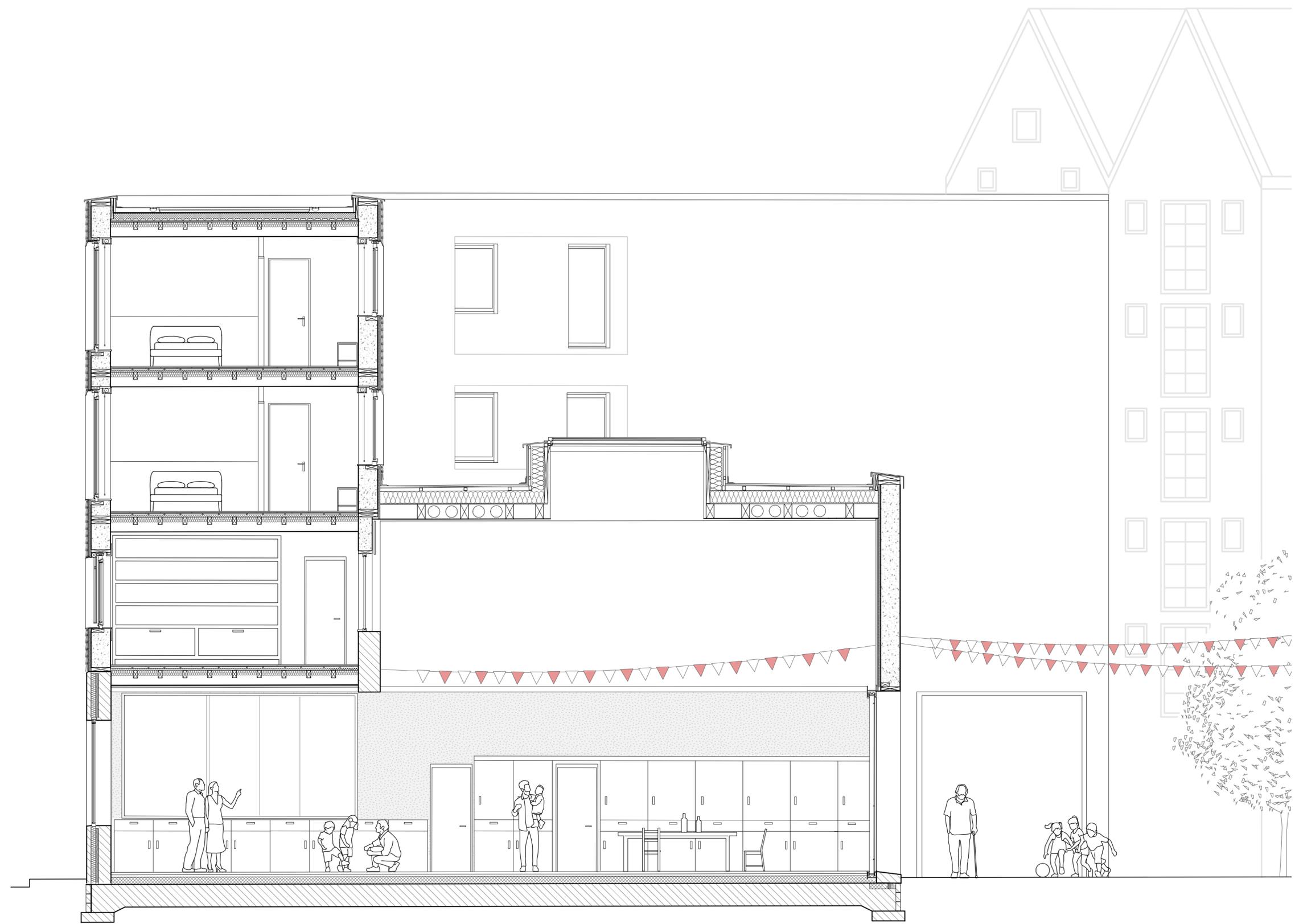


Shutters Details

Section GG



Section EE





Thank You