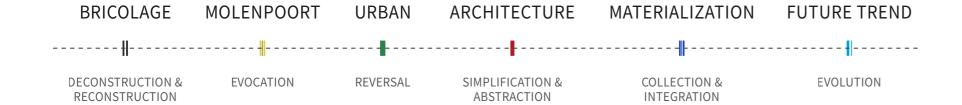
RETAIL ARCHITECTURE

[COMMERCIAL FULFILLMENT CENTER]

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- 1.2. Different methods of bricolage

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- 2.2. Research and design topic
- 2.3. Research and design question and structure

03. URBAN

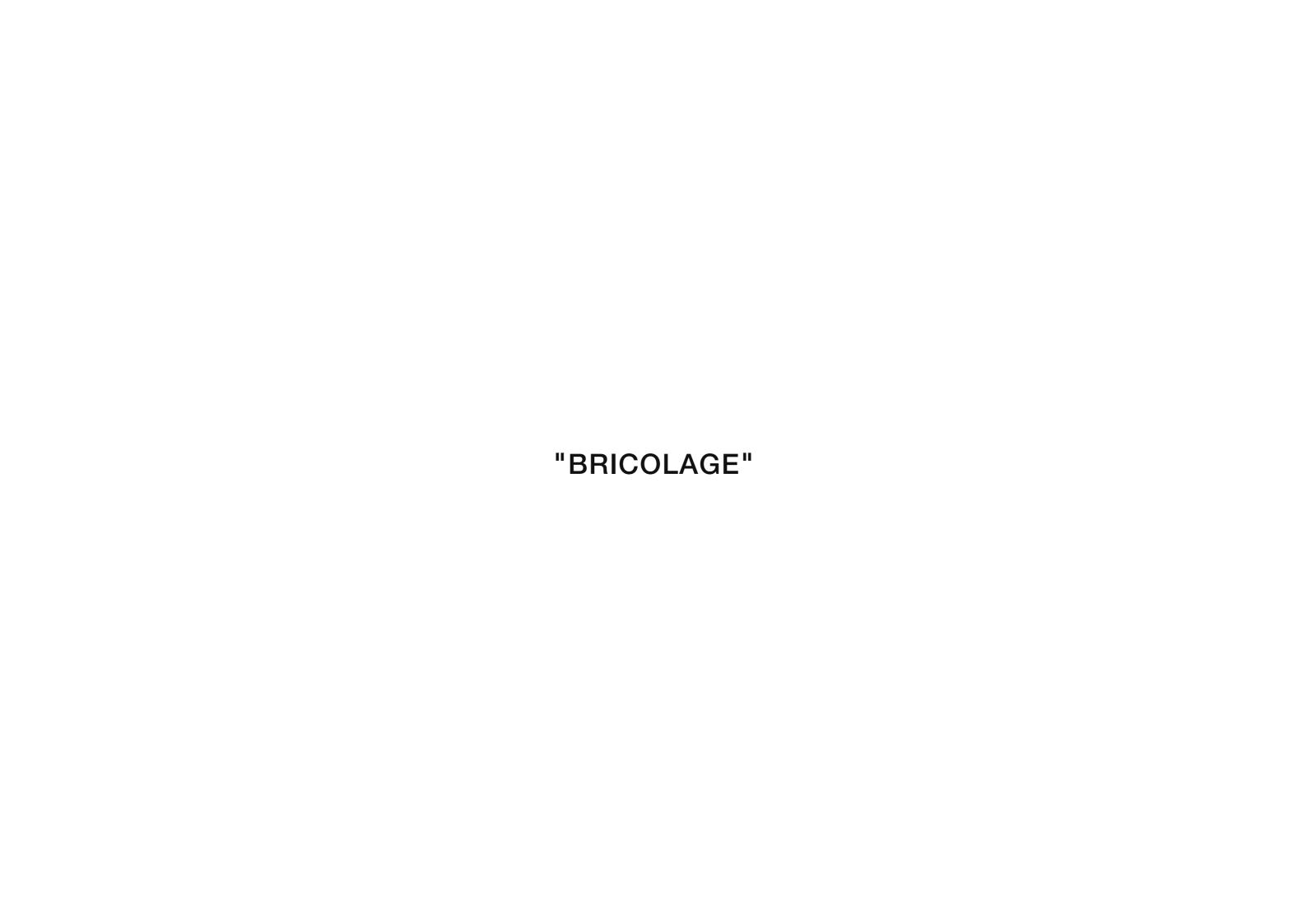
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Bricolage is a way of thinking, researching and designing. In the story of Robinson Crusoe, he survives a shipwreck on a desert island by salvaging supplies from the shipwreck of culture and making the most of nature. Similarly, making architecture is an act of bricolage, using whatever comes to hand and then new things take shape out of the existing.

ARCHITECTURE BRICOLAGE

The bricoleur researches the meaning of existing materials, but also has a keen eye for new meanings and possibilities. From the perspective of architect, we build our realm using the existing constructing logic and limited materials, to make something different and new from the old, which seems to be a low-key but efficient way for building renovation of Passage de Molenpoort.









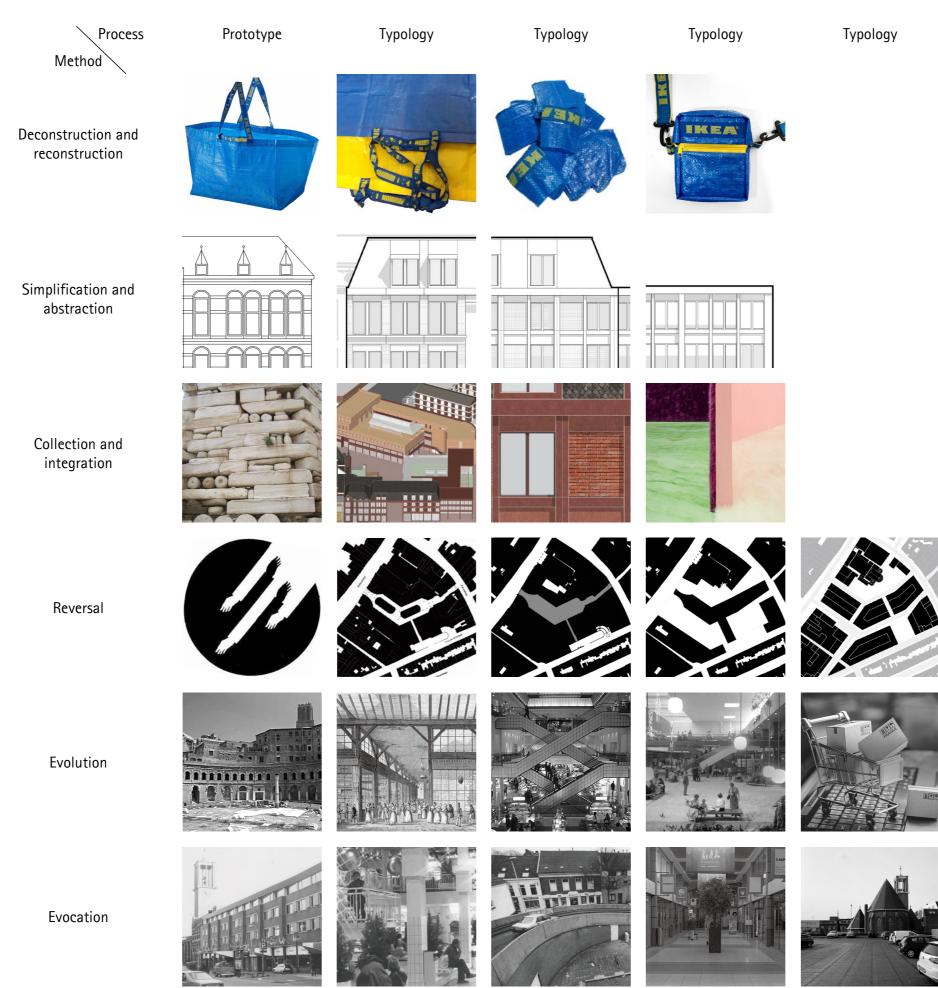
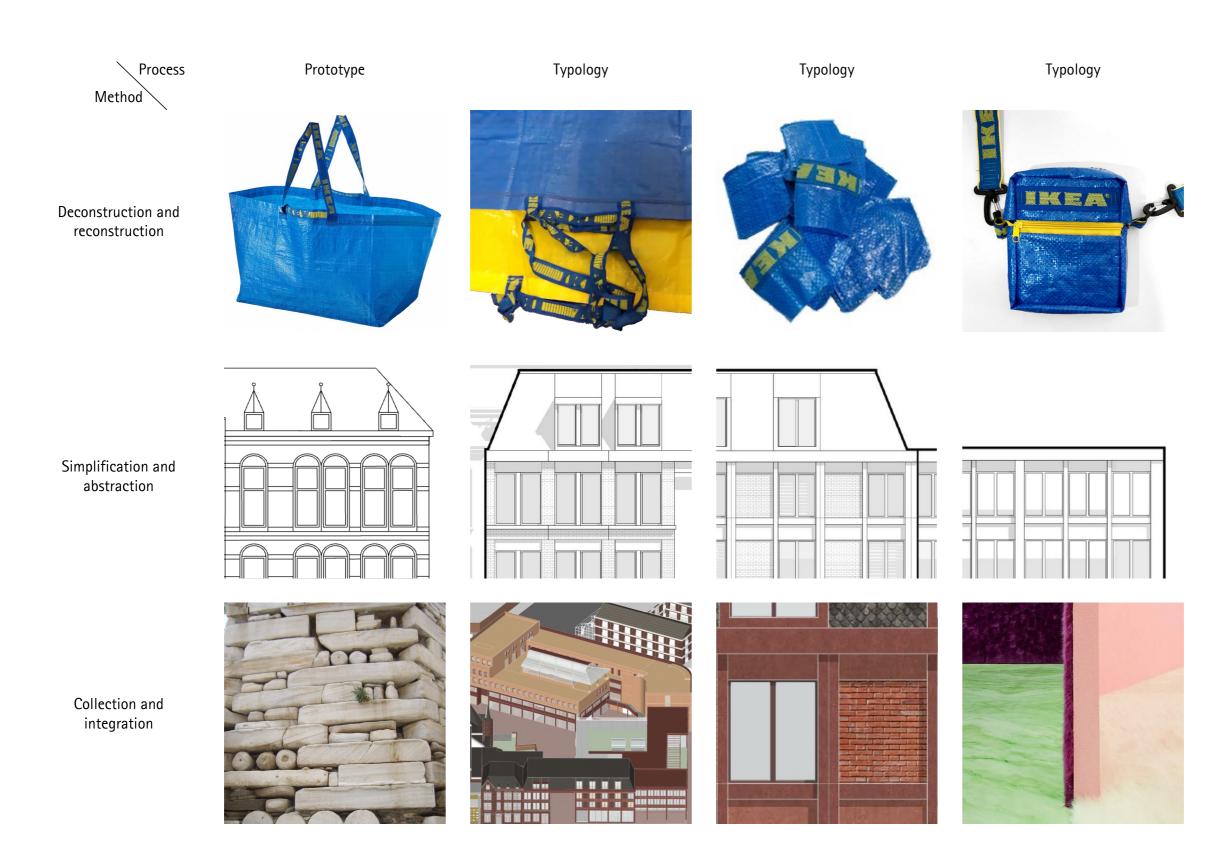
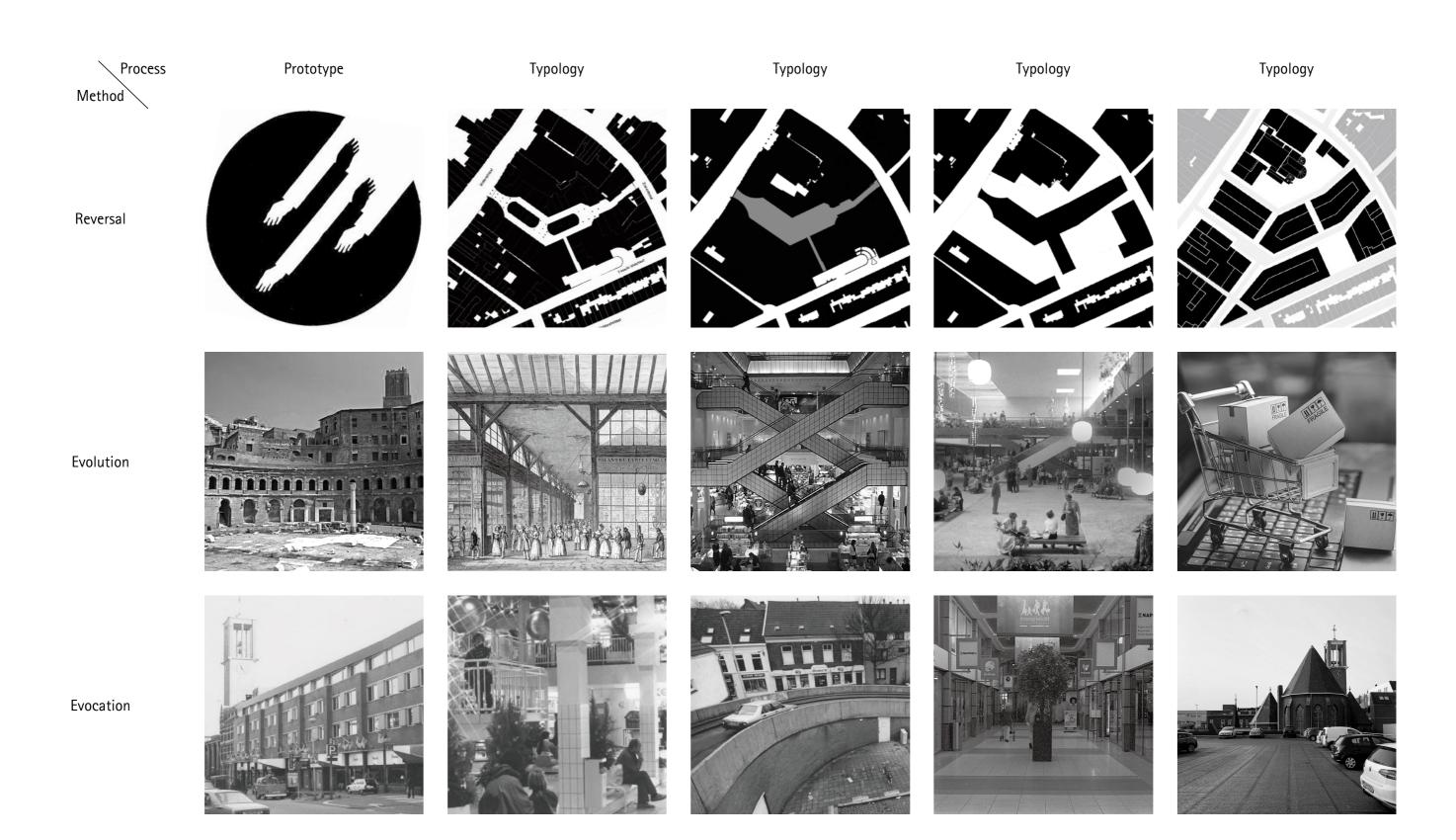


Figure 1: Different methods of bricolage, drawn by author















Hongkong London New York

De Molenpoort



Molenpoort, 1972



Molenpoort, 2020

1. Typology of retailing architecture

2. Distribution and positioning of shops

3. Commercial collective space

- 4. Future plan



1. Typology of retailing architecture

2. Distribution and positioning of shops

3. Commercial collective space

4. Future plan



1. Typology of retailing architecture

2. Distribution and positioning of shops

3. Commercial collective space

- 4. Future plan



1. Typology of retailing architecture

2. Distribution and positioning of shops

3. Commercial collective space

4. Future plan



It's almost like a prison wall

There are not a lot of nice shops in my opinion

I think The Molenpoort doesn't have a good reputation

People enter, go to the Coop, and leave...

An American investor...

For years shops are leaving, it's getting emptier and emptier...

It's a big... wall

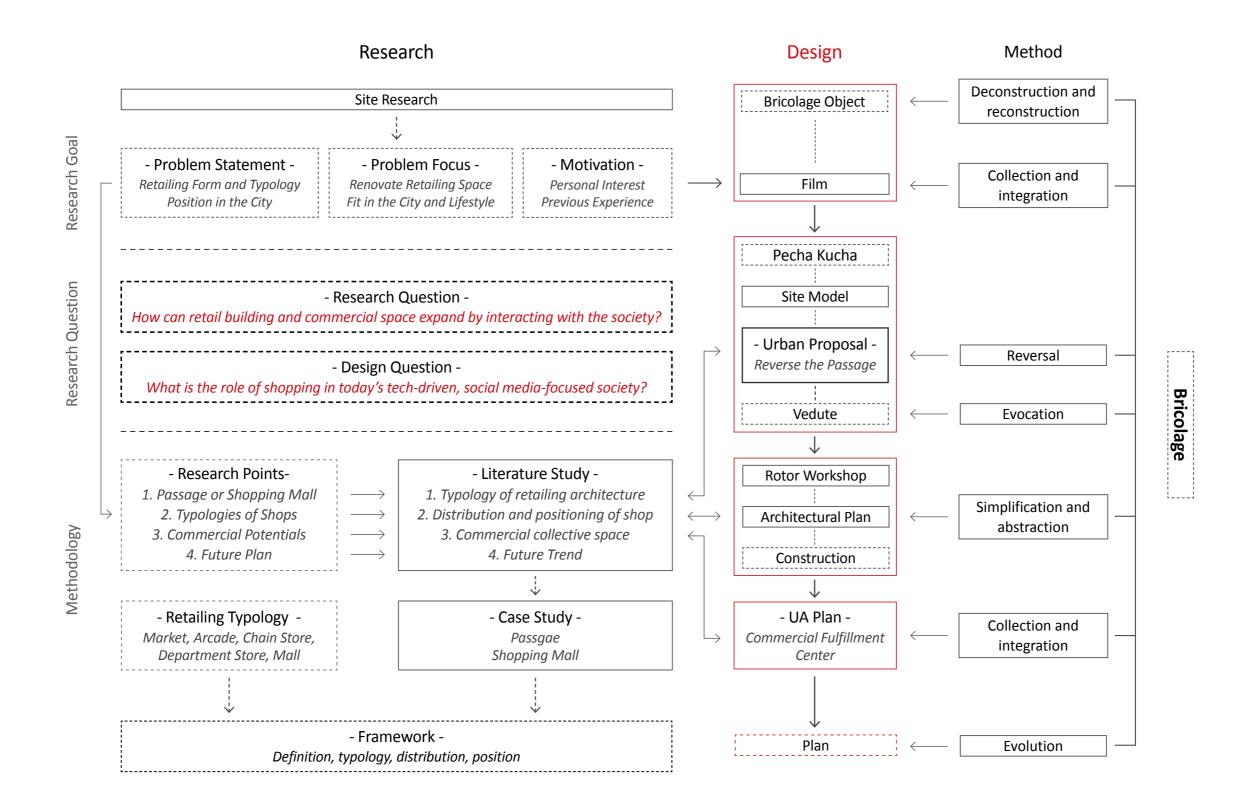
It's not very inviting to go inside

Covered shopping centres are outdated

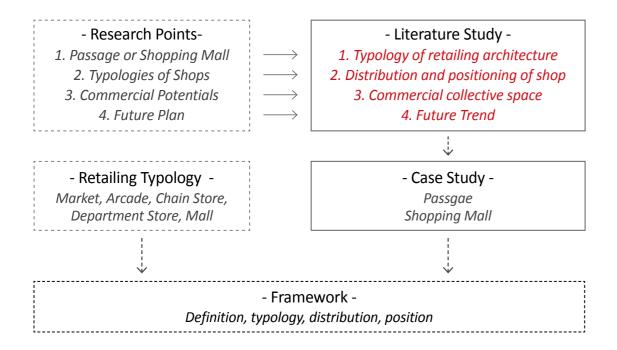
It's mostly because of the online

Sometimes there are junkies or homeless people

Research & Design Structure

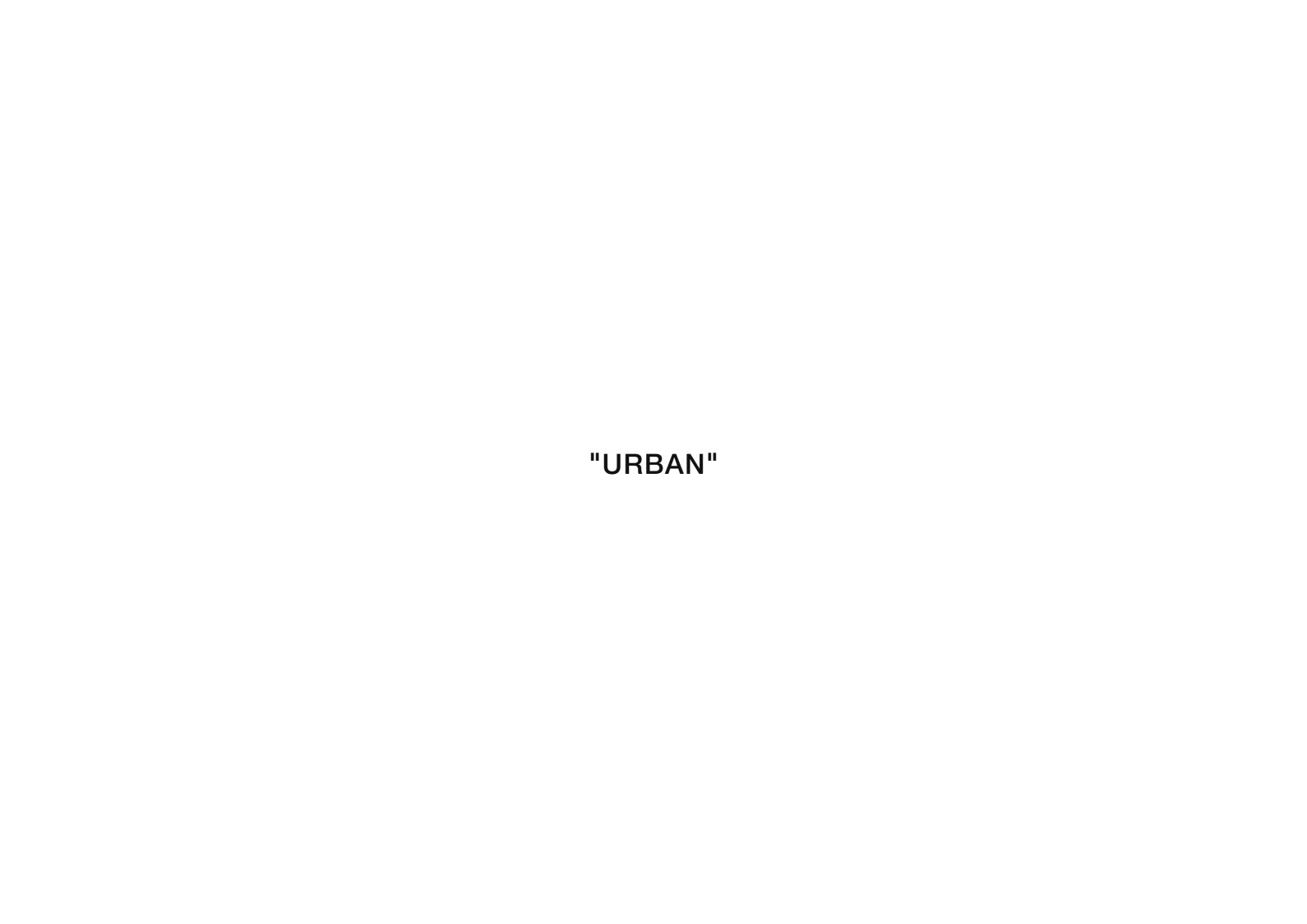


Research & Design Methodology



	Field	Theme	Design
1.Typology	Is Molenpoort a passage or shopping mall?	Genealogy of retailing typologies	A multifunctional space with ambiguity and flexibility
2. Positioning	A center for small entrepreneurs	Retailing mode and layout of shops	A center for interaction, innovative practice and brand engagement.
3. Commercial space	Indoor and outdoor public space of Molenpoort	Commercial potentials for collective space	Transitional spaces like courtyard, roof garden and undefined interior spaces
4. Future trend	The unsatisfactory "future plan" by the government	Evolutionary process of retailing buildings	Commercial Fulfillment Center

BRICOLAGE | URBAN ARCHITECTURE GRADUATION STUDIO





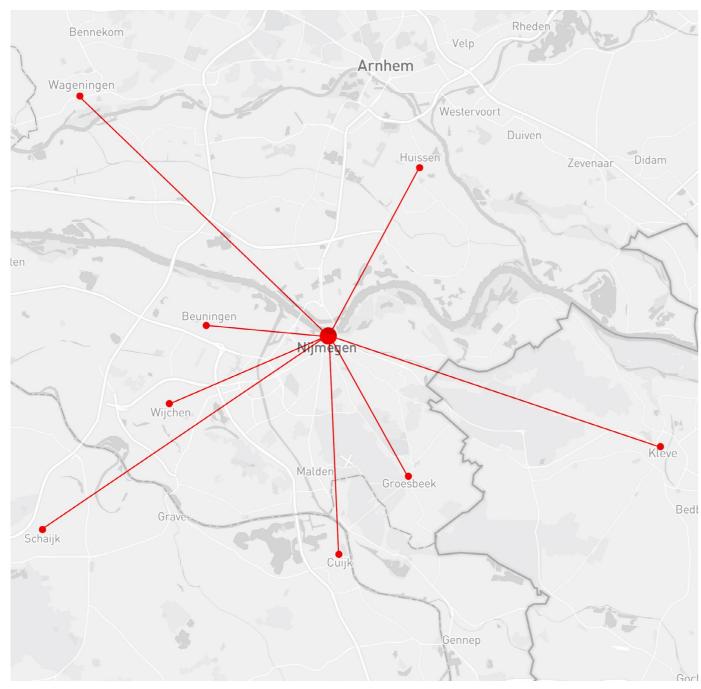








Commercial Potential



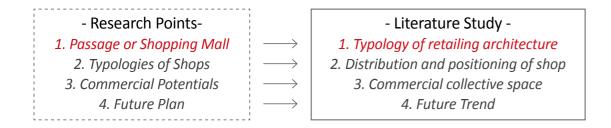
Shopping Radiation



When I come to Nijmegen and I want shop a little bit, this is quite easy parking. I mean on top of a building instead of on the streets. There are basically a few convenience small shops here. There is a Xenos, there is a huppeldepup Bazaar, or something. So when nowadays I need a little chalkboard or something, then that is easy to find here instead of that I need to drive to who knows where.

--Customer of the Molenpoort, coming from Elst

Research part 1 - Typology of retailing architecture









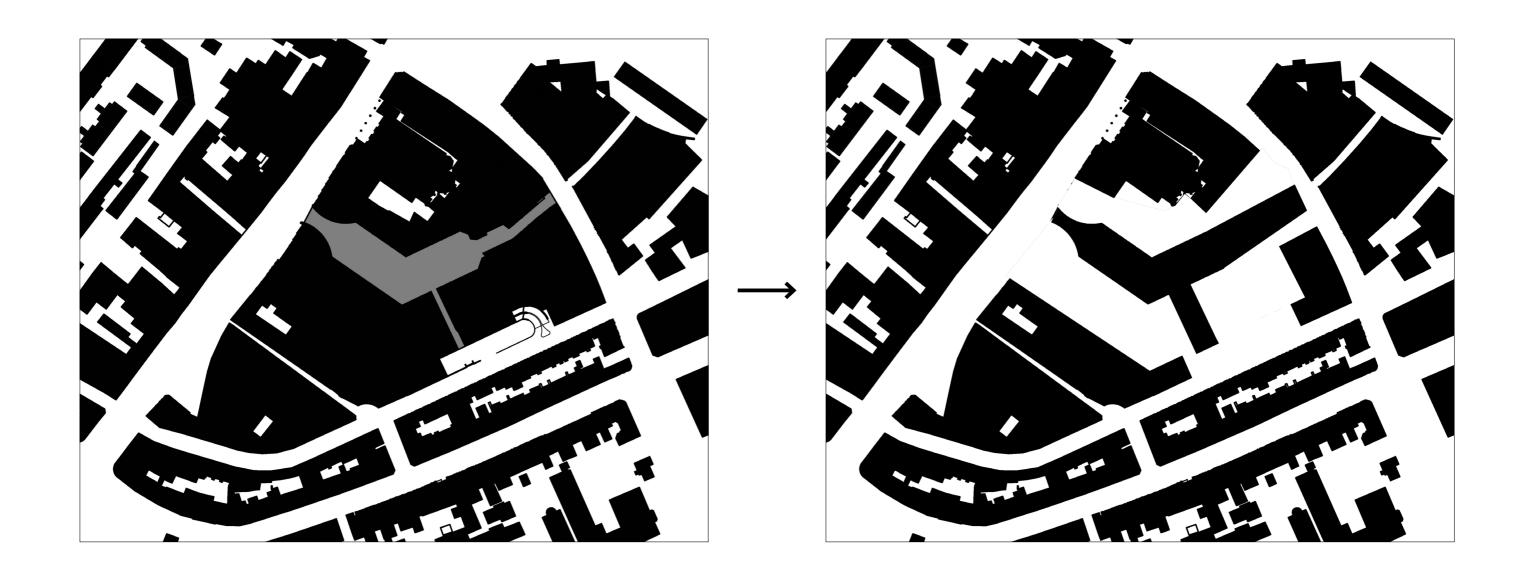


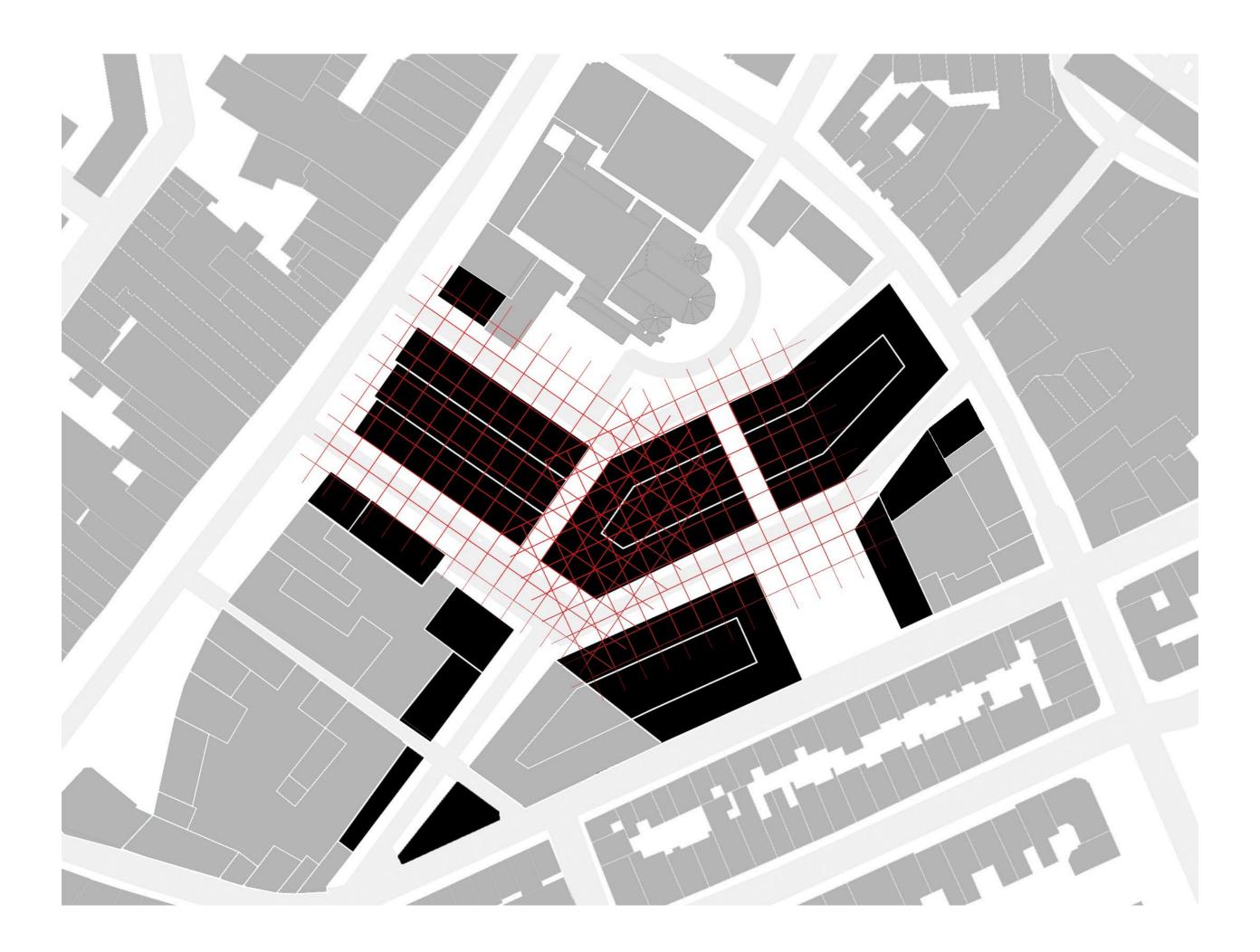














Shopping Street - the Inner Ring





Shopping Street - the Outer Ring





Square

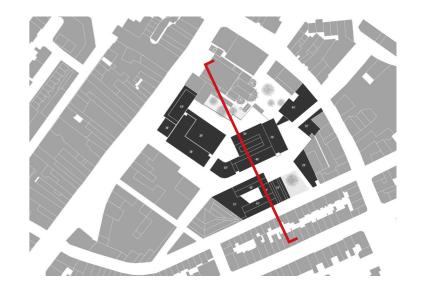


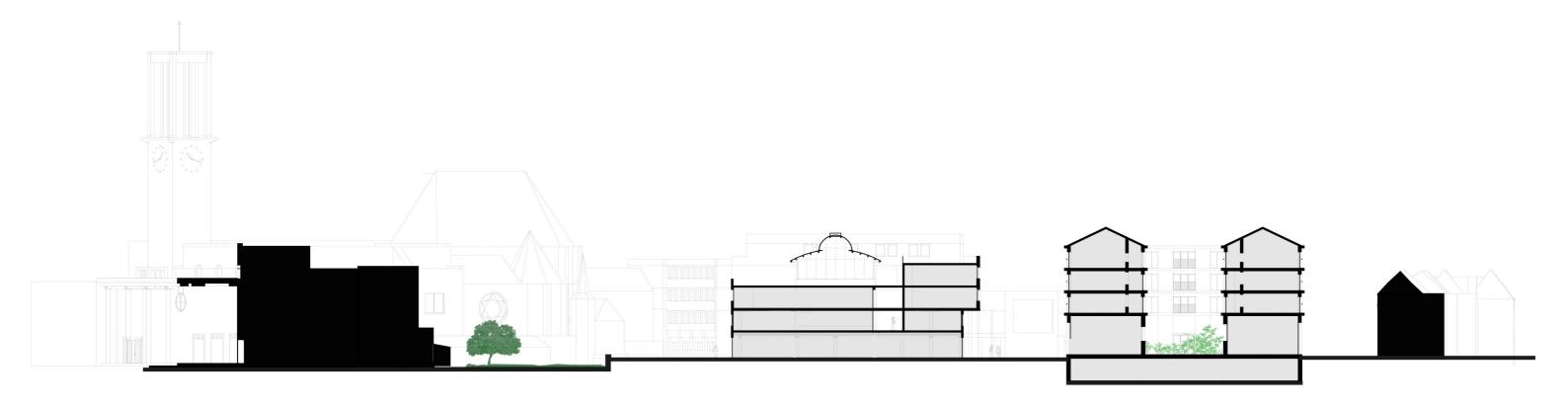




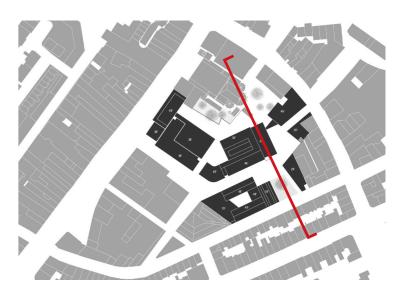
Section

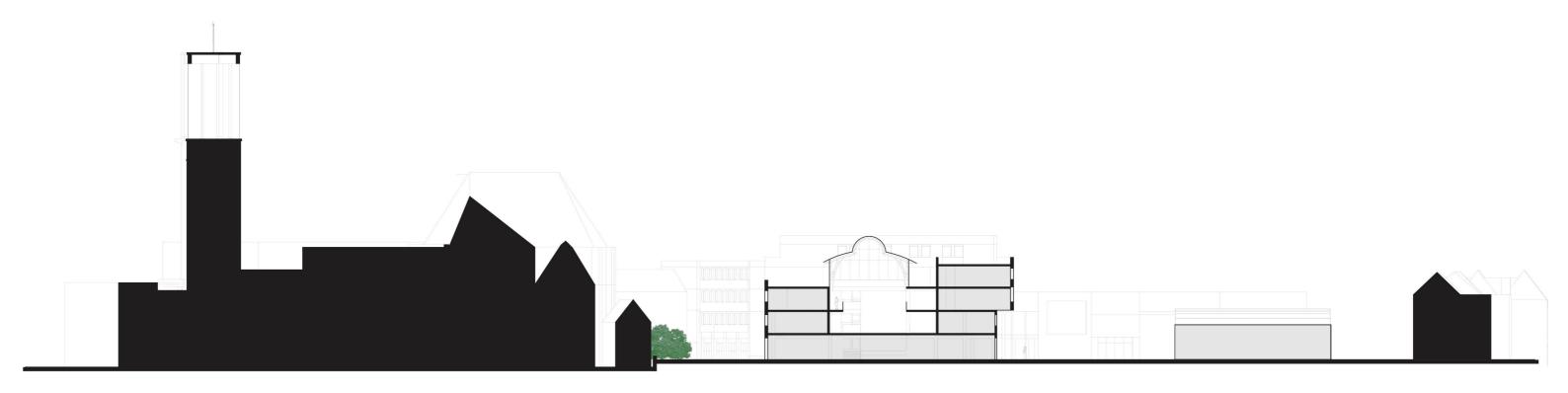
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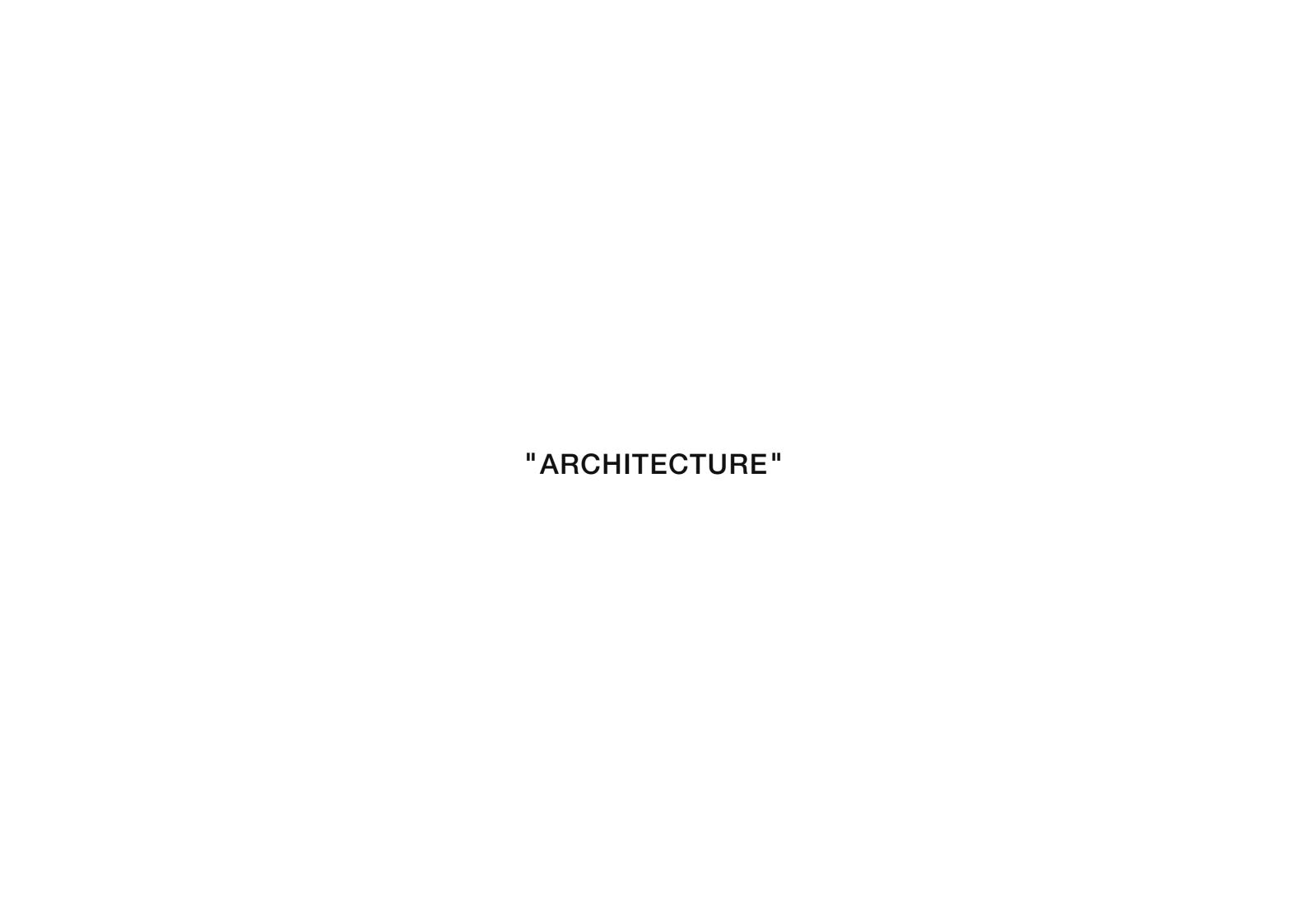




Section

















Research part 2 - Distribution and positioning of shop

- Research Points 1. Passage or Shopping Mall 2. Typologies of Shops 3. Commercial Potentials 4. Future Plan - Literature Study 1. Typology of retailing architecture 2. Distribution and positioning of shop 3. Commercial collective space 4. Future Trend



"Magnet stores" and small shops in the Molenpoort

- Retailing mode and distribution: heterogeneous commercial clusters --> homogeneous commercial clusters;
- The positioning of shops is expected to interlock with the innovative function and together contribute to center for interaction, innovative practice and brand engagement.

THEME | ARCHITECTURE

Theme



"Commercial Fulfillment Center"

Position
Target groups
Activities

A commercial fulfillment center with physical and virtual space for interaction and brand engagement Small entrepreneurs and start-ups, collaborate with young artists and architects

Formal commercial activities and informal activities like workshop, exhibition, fashion show, etc.

Program

Interaction

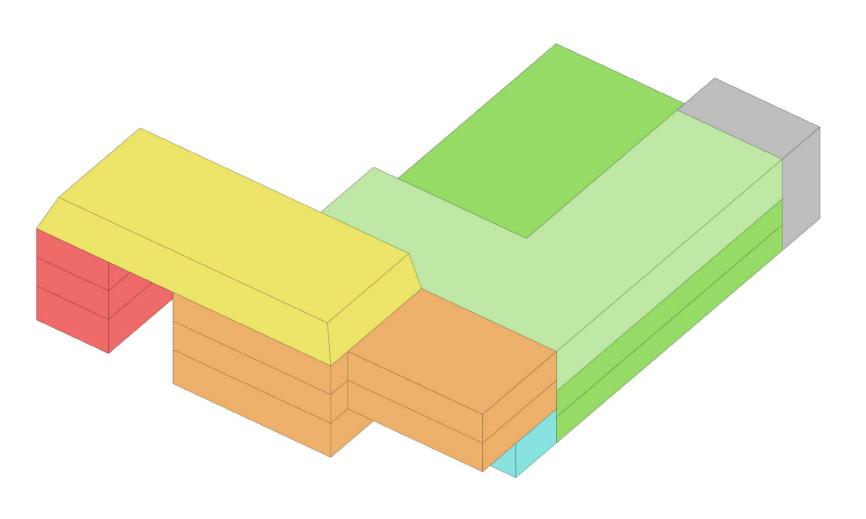
- immersive experience center
- 3rd floor
- 450 sqm

Customer Center

- info, product service, archive
- 0-2th floor
- 350 sqm

Innovative Center

- retail, workshop, product development and experience
- 0-2th floor
- 730 sqm



Logistics

- freight, storage and office
- 0-2th floor
- 220 sqm

Gallery

- exhibition (products & works)
- 2th floor
- 650 sqm

Shop/workshop

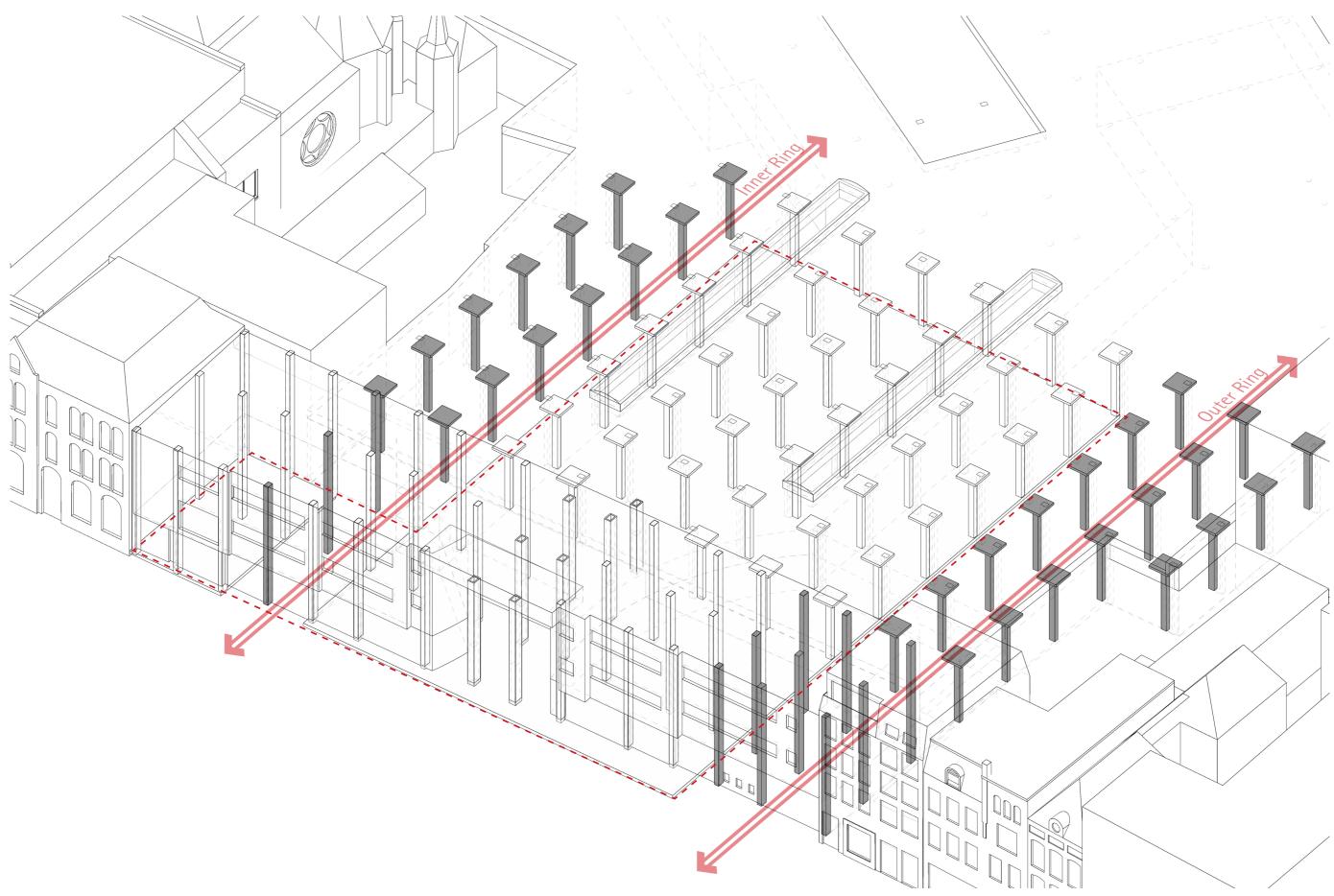
- clothes and daily necessities
- 0-1st floor
- 2300 sqm

Entrance

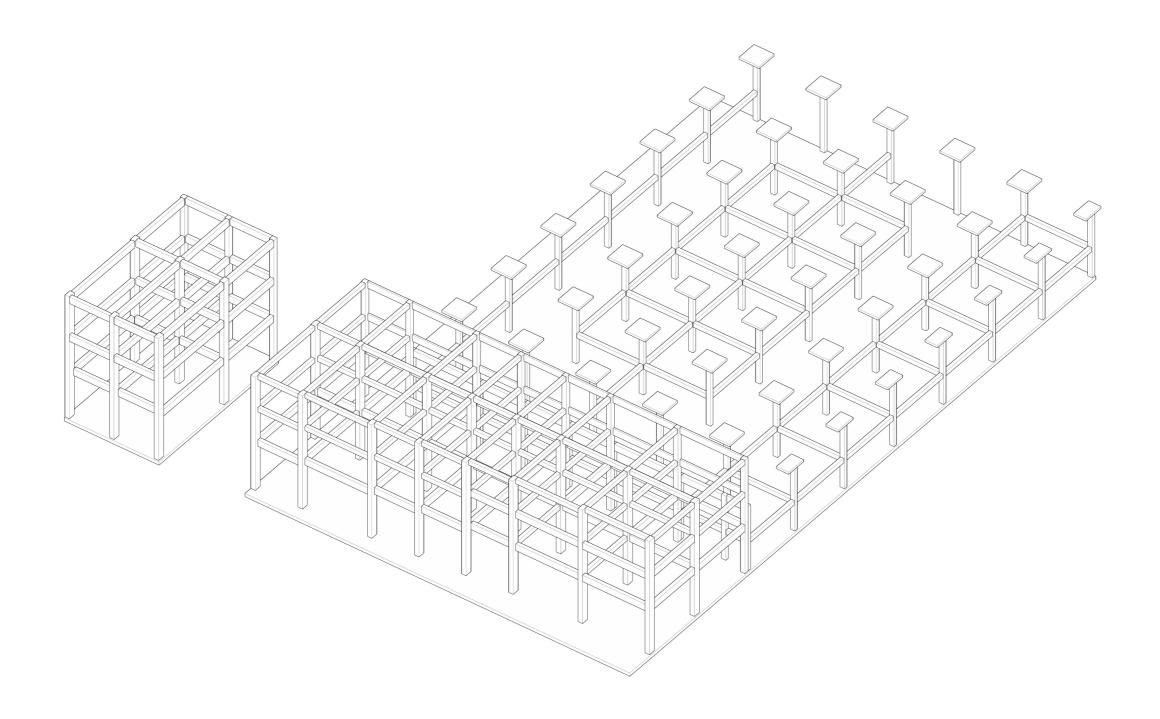
- hall, reception
- 0 floor
- 90 sqm

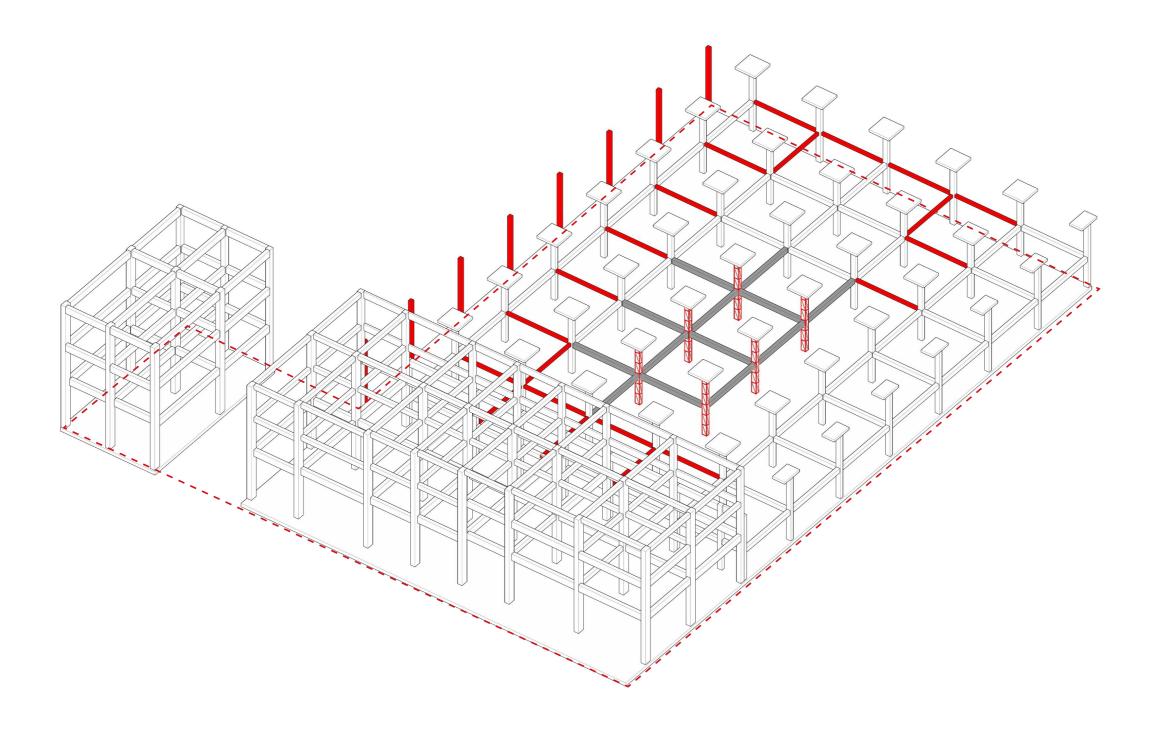
Commercial Fulfillment Center

(4800 sqm)

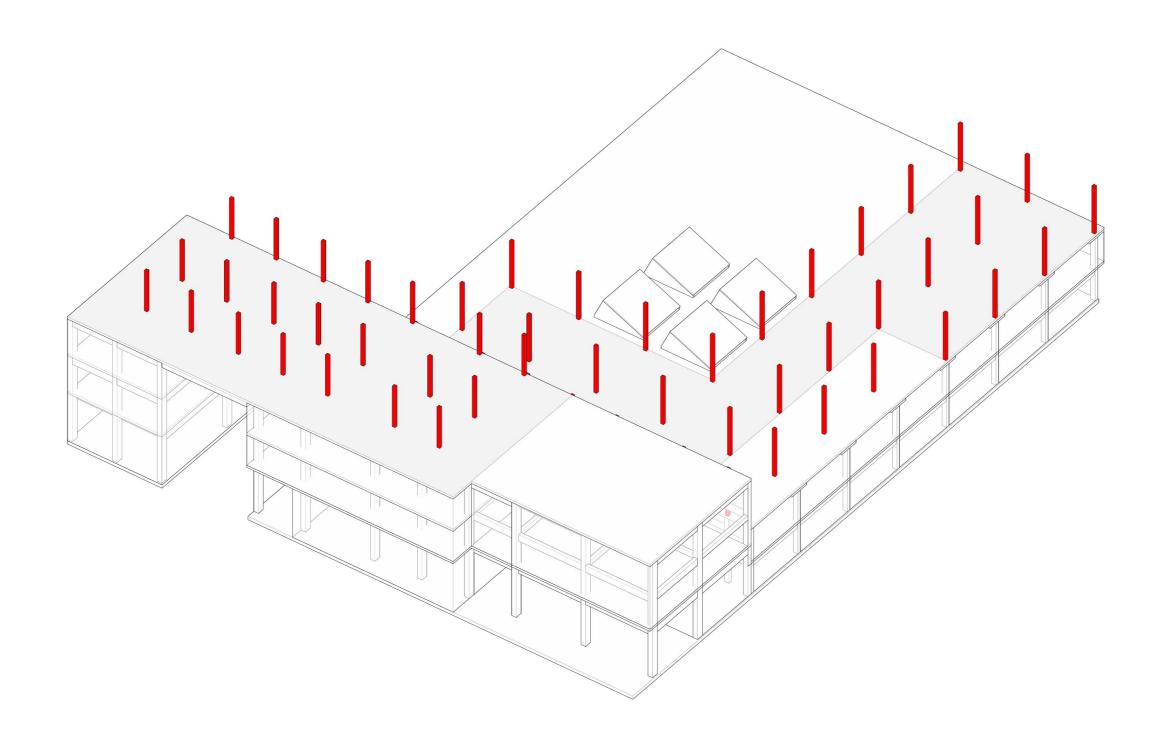


1. Demolish the structures according to the urban design

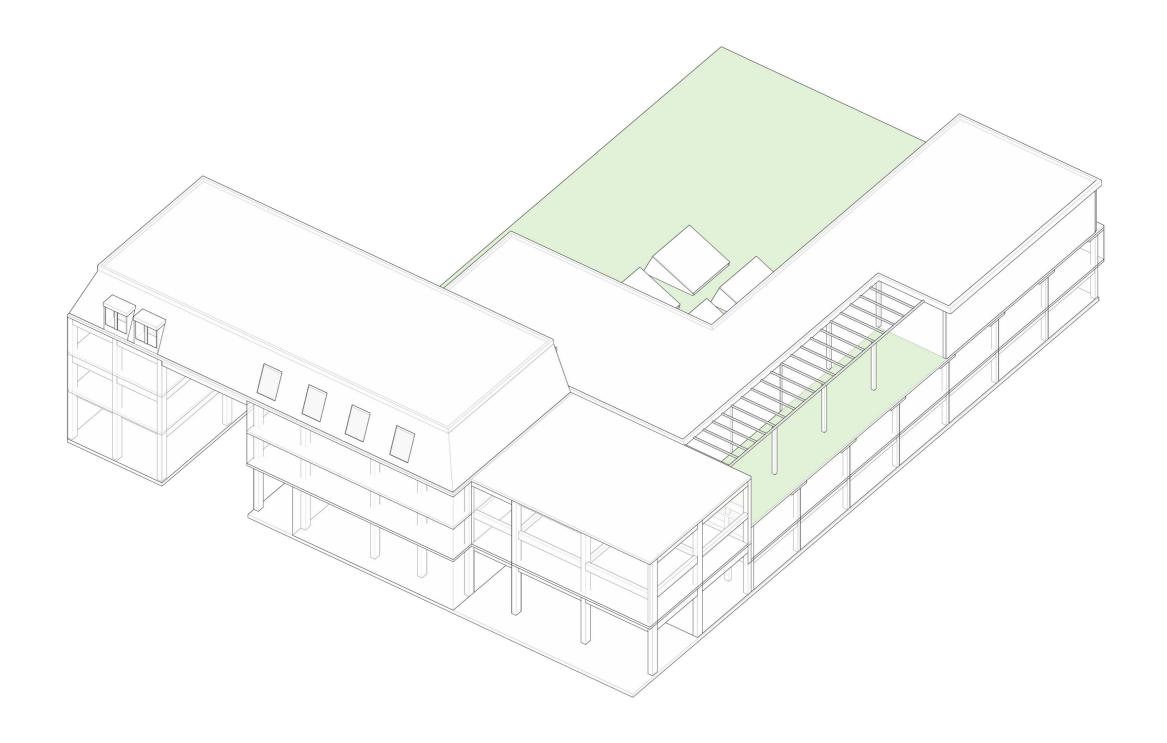




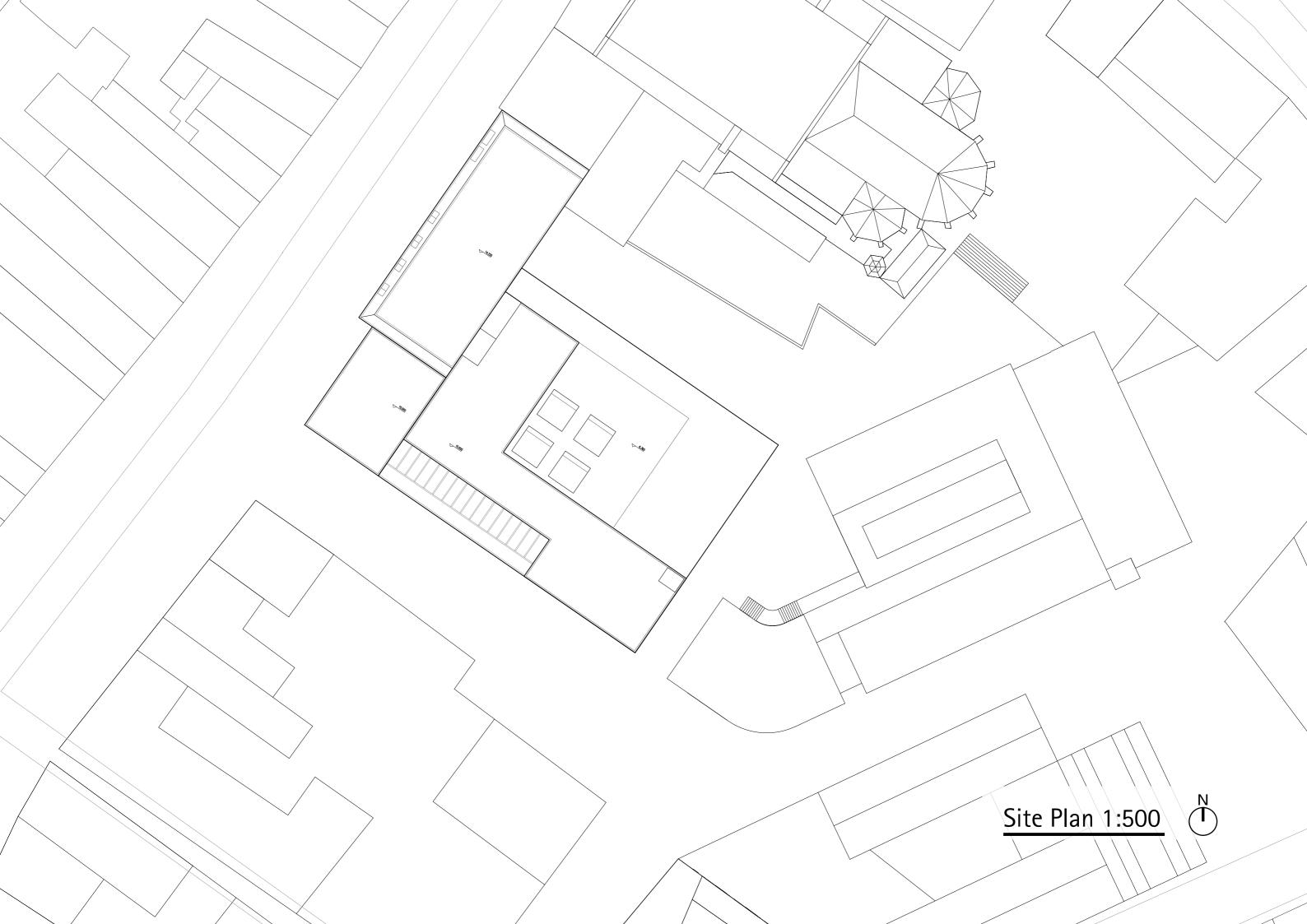
3. Remove some beams in the center and add new structures



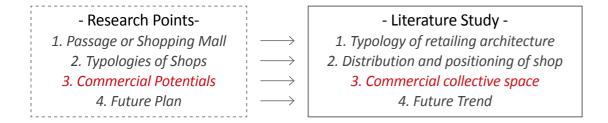
4. Construct skylights, add one more layer on top





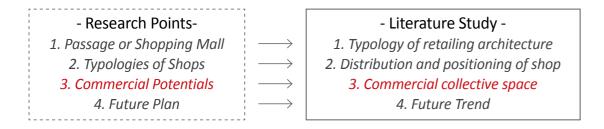


Research part 3 - Commercial Collective Space



- Private-owned passage: allows informal commercial activities even outside the shops;
- The advantage of shopping mall: the inner collective spaces like atrium, the pond (demolished), circulation space;
- Facilities around: church garden, streets and squares.

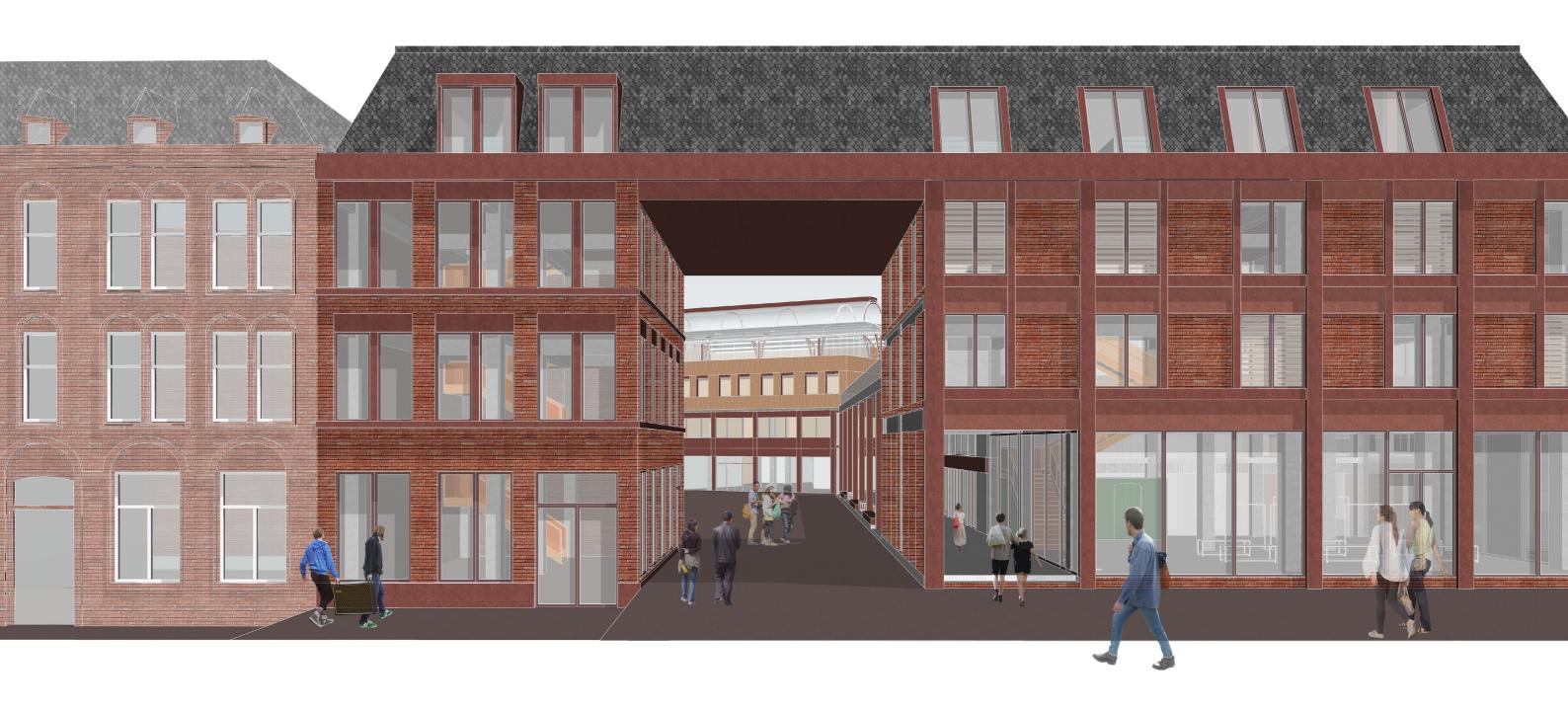
Research part 3 - Commercial Collective Space



- 1. Openness and privacy
- 2. Ambiguity
- 3. Diversity

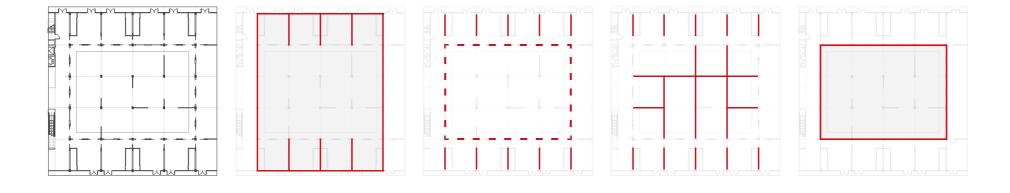
BRICOLAGE | URBAN ARCHITECTURE GRADUATION STUDIO

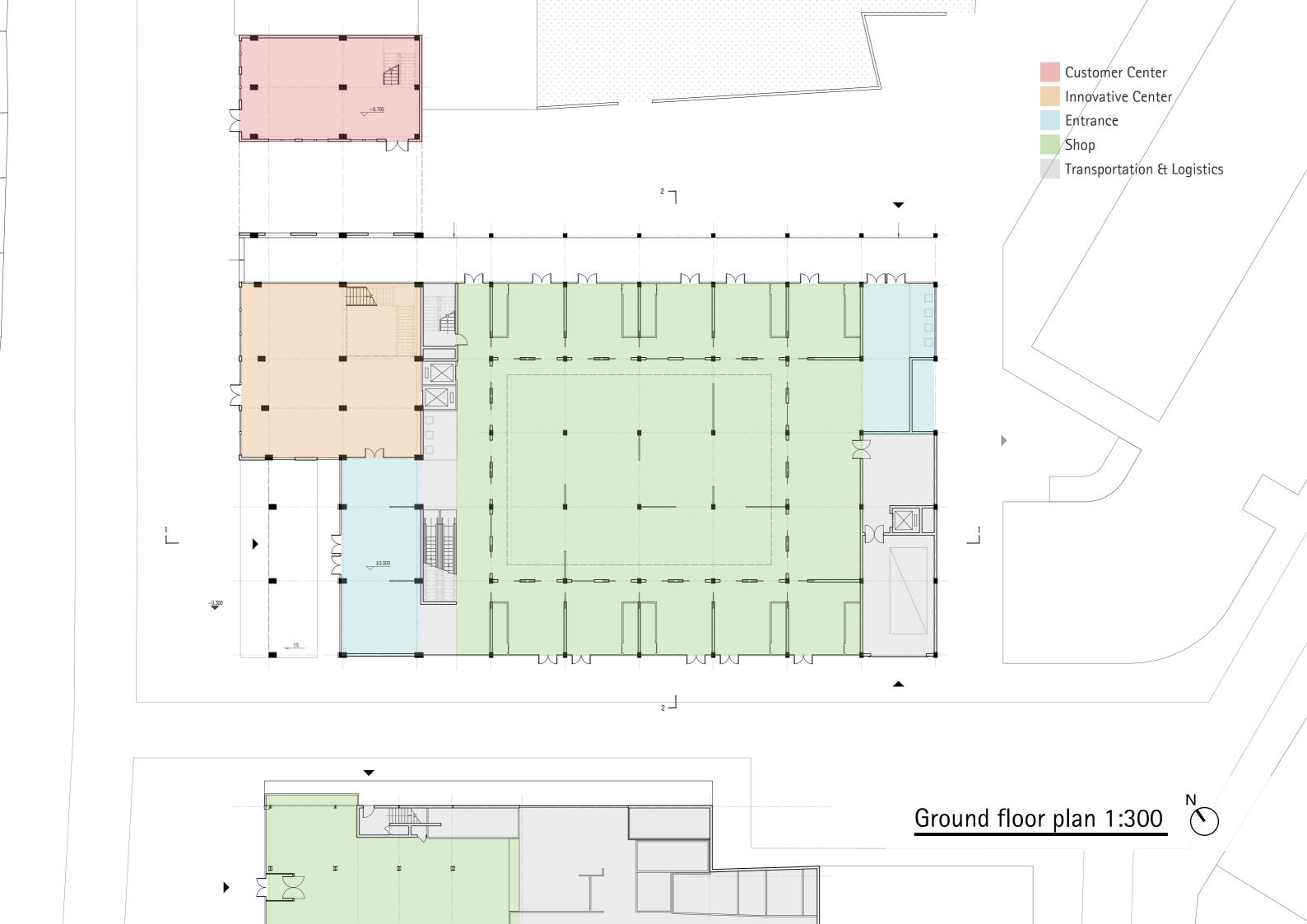


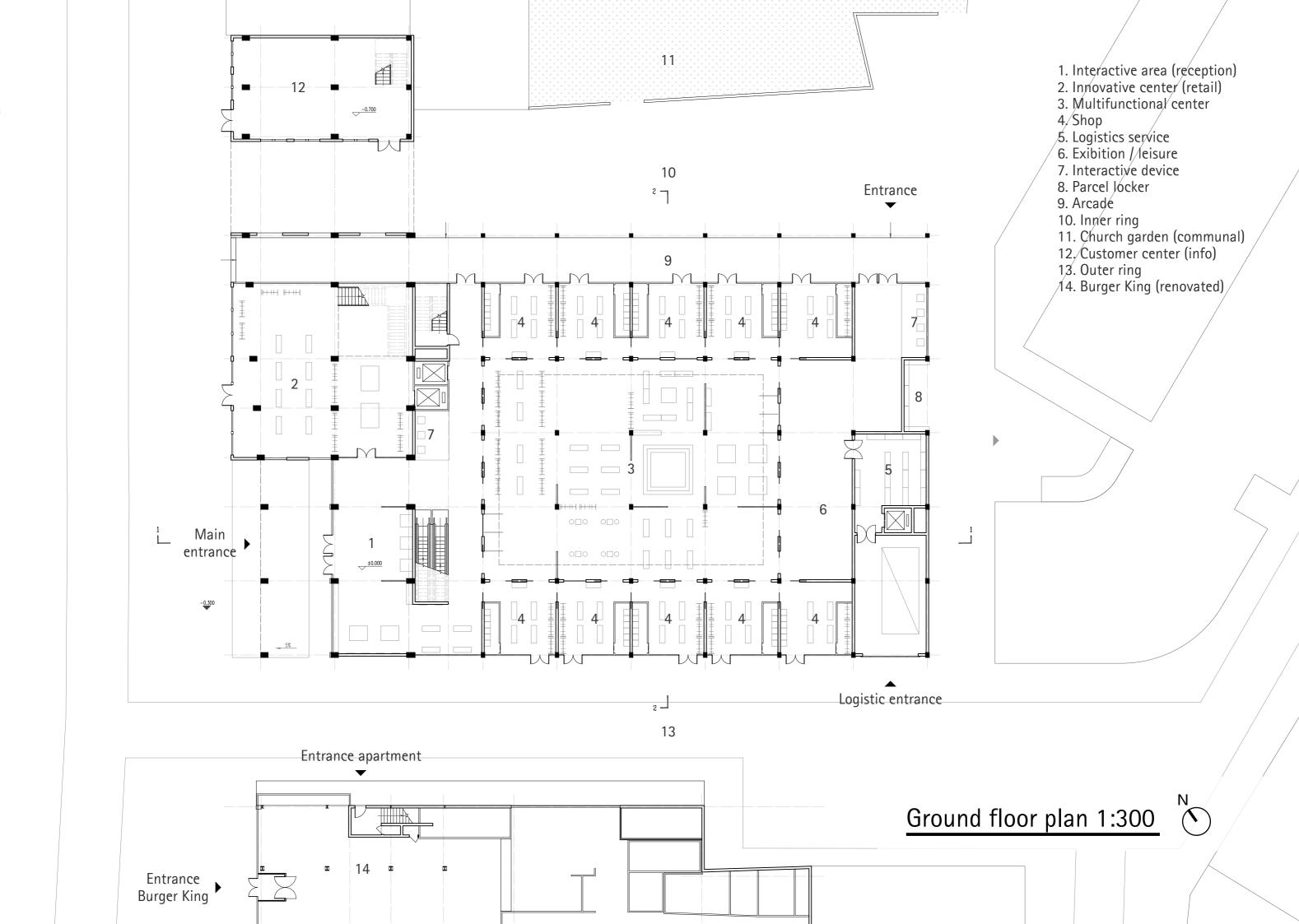


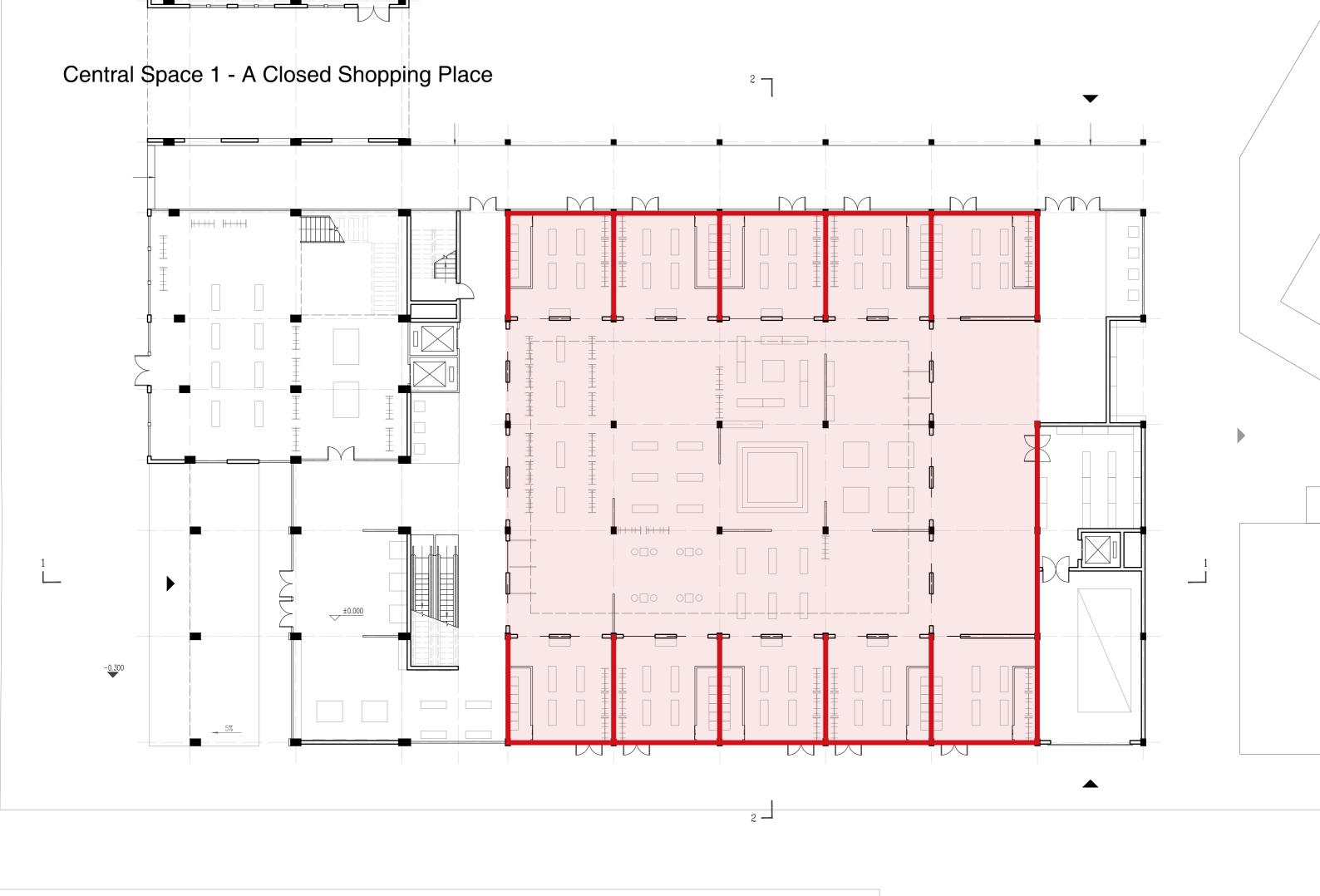


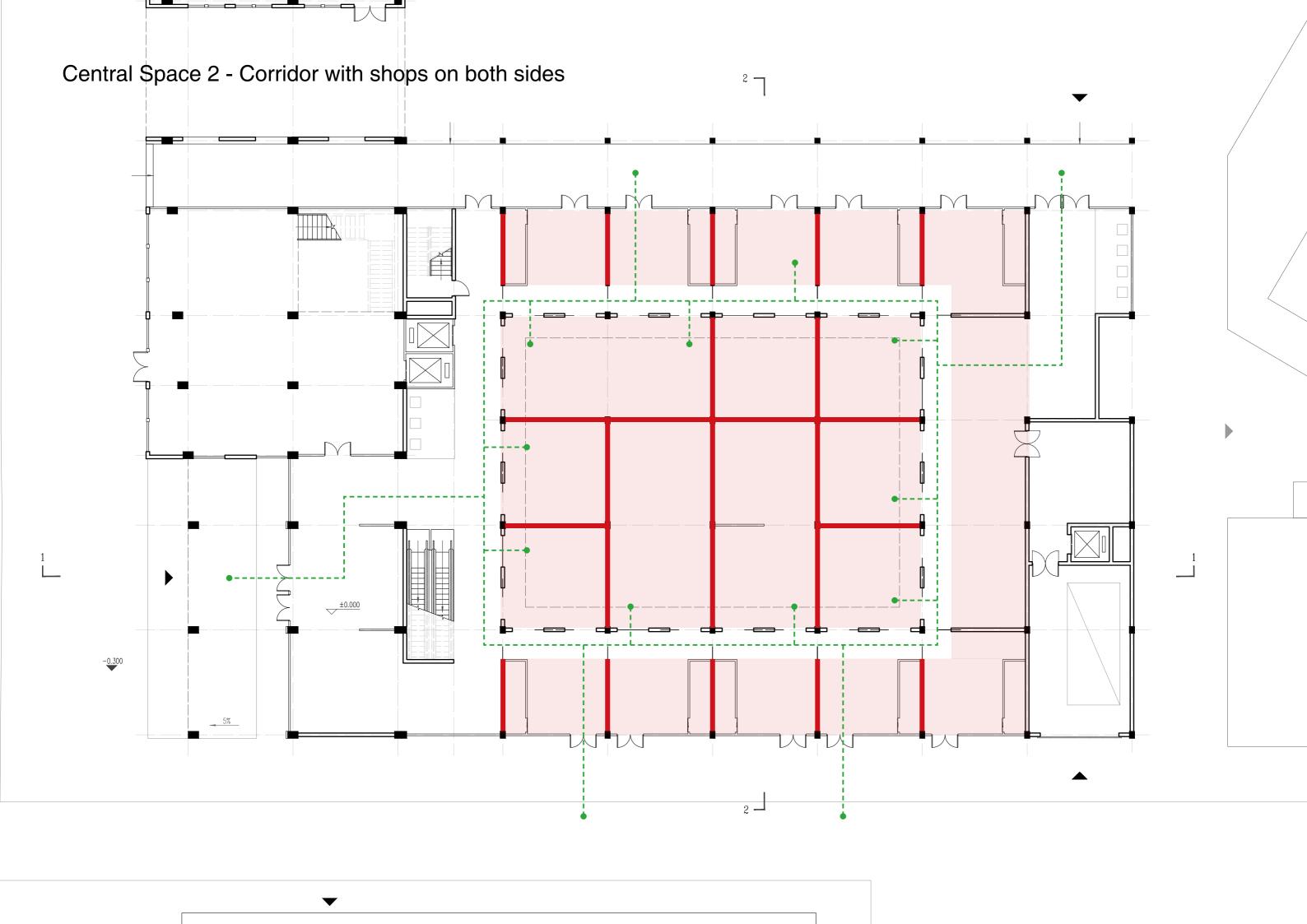


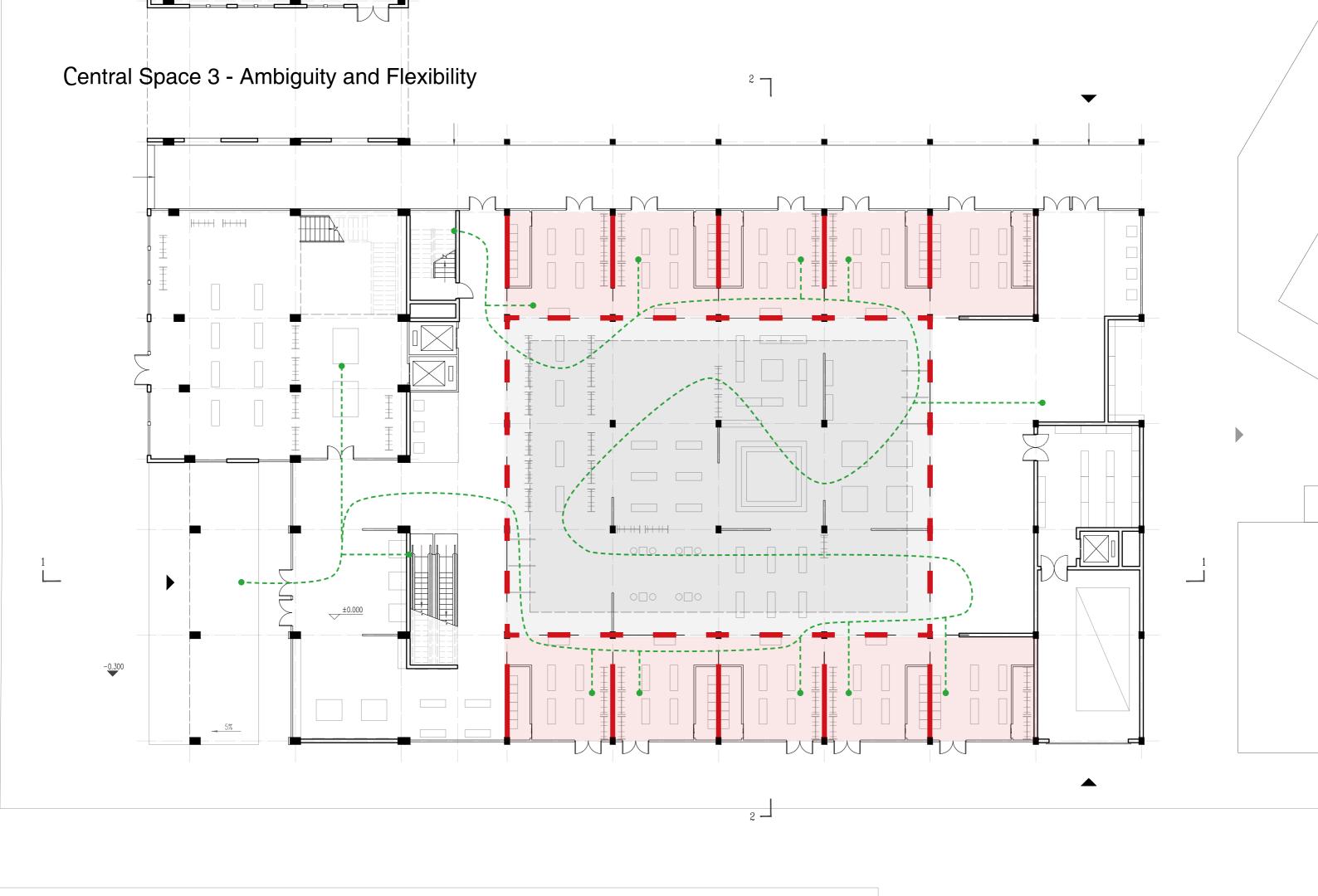


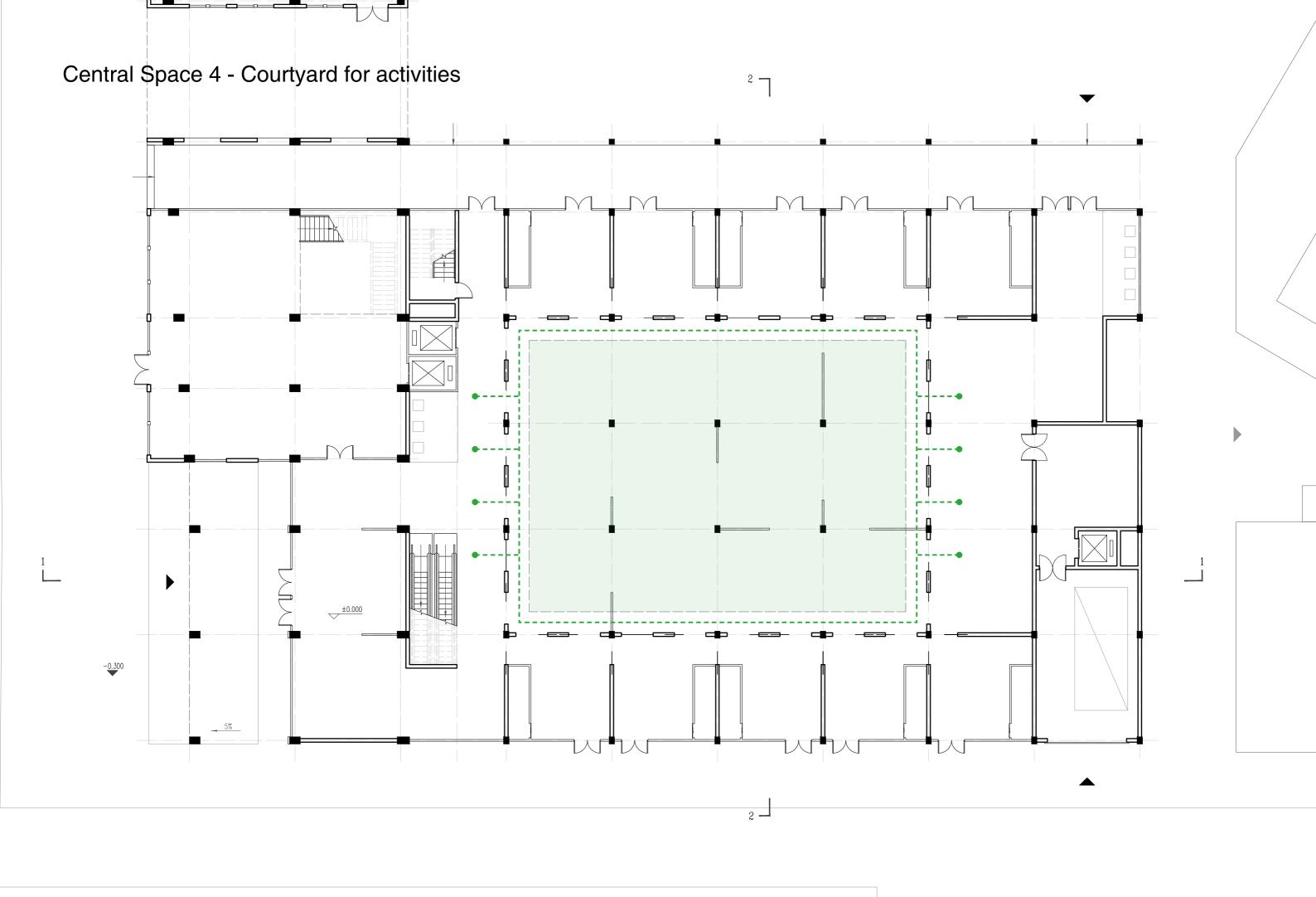








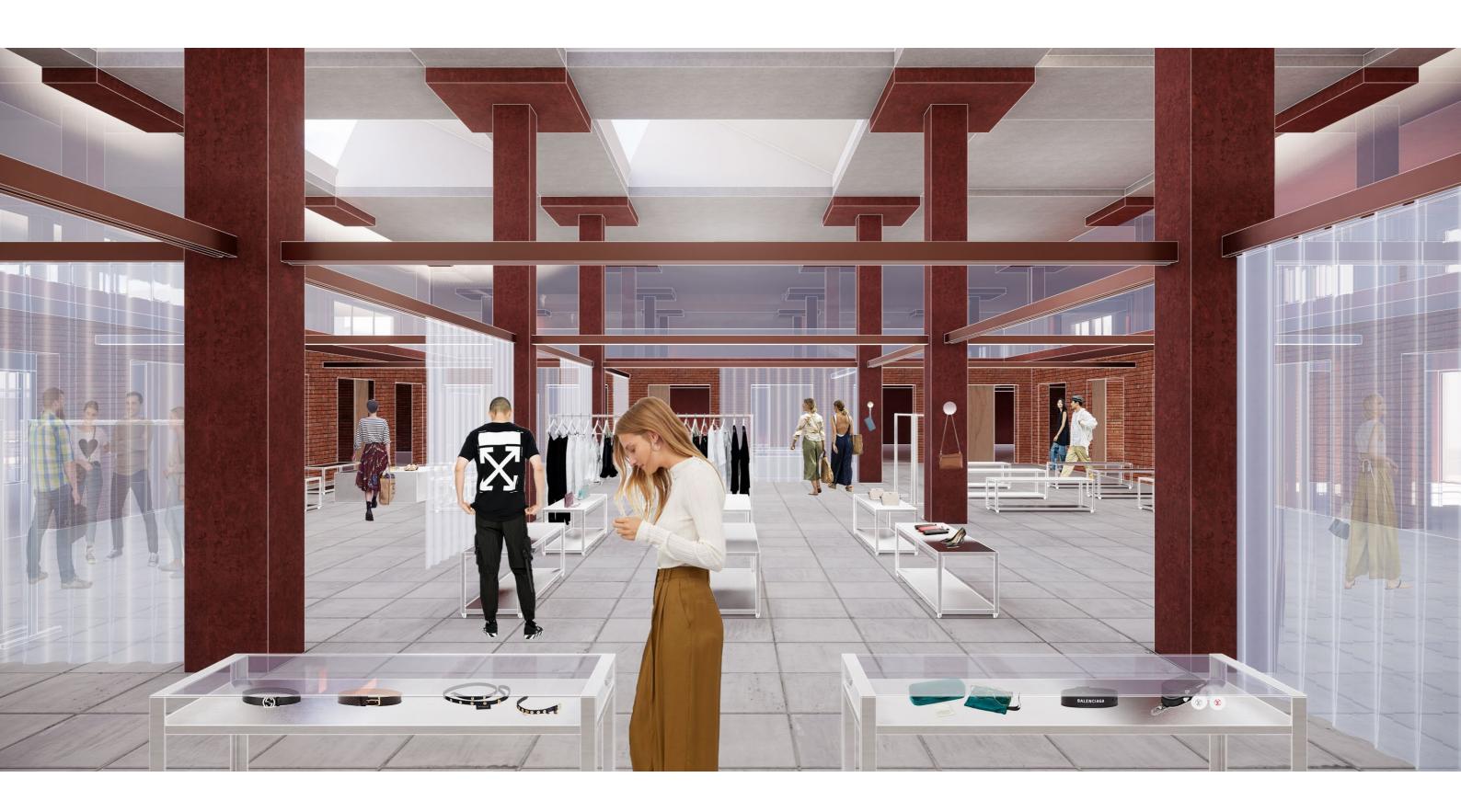




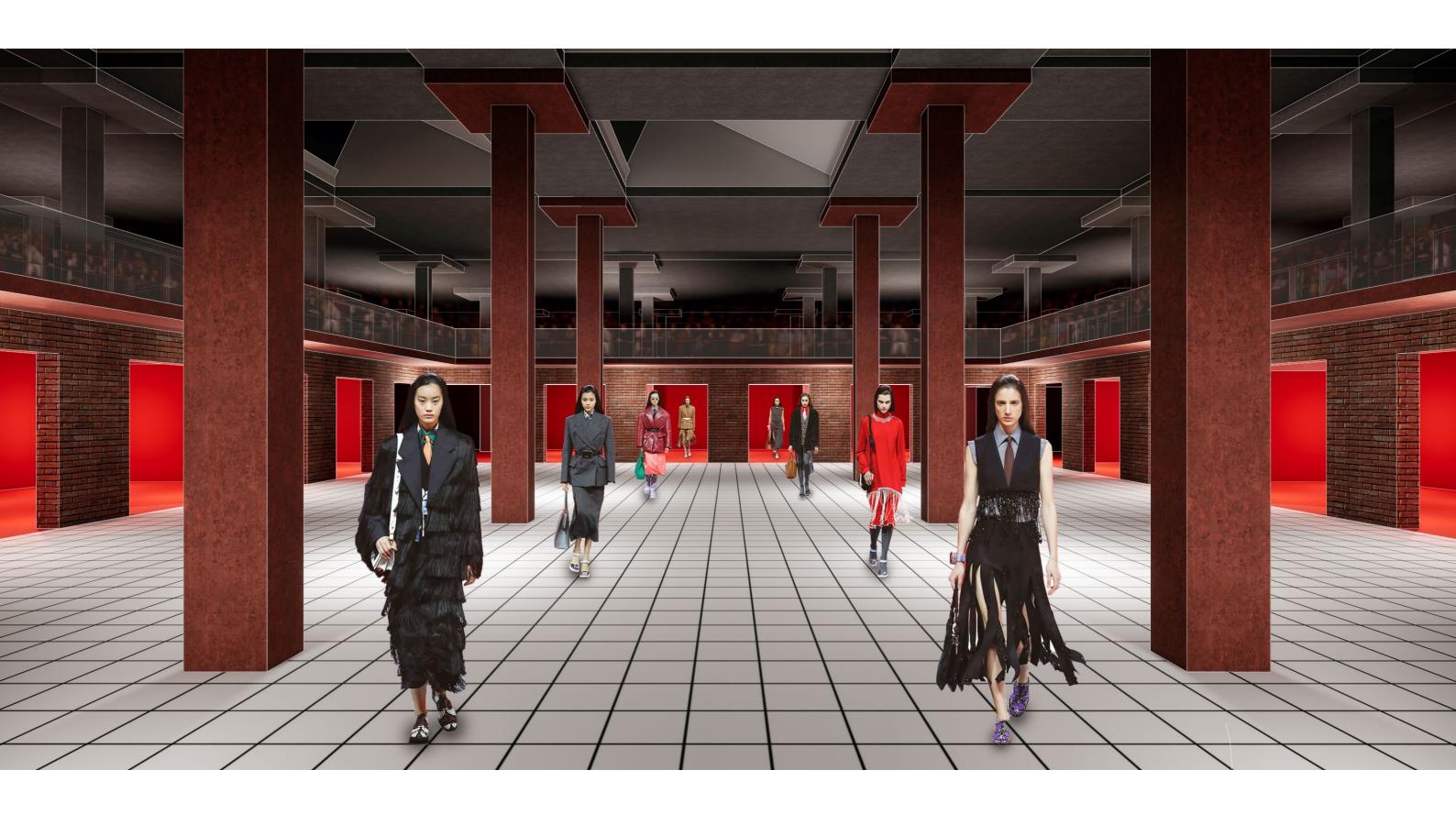
Workshop

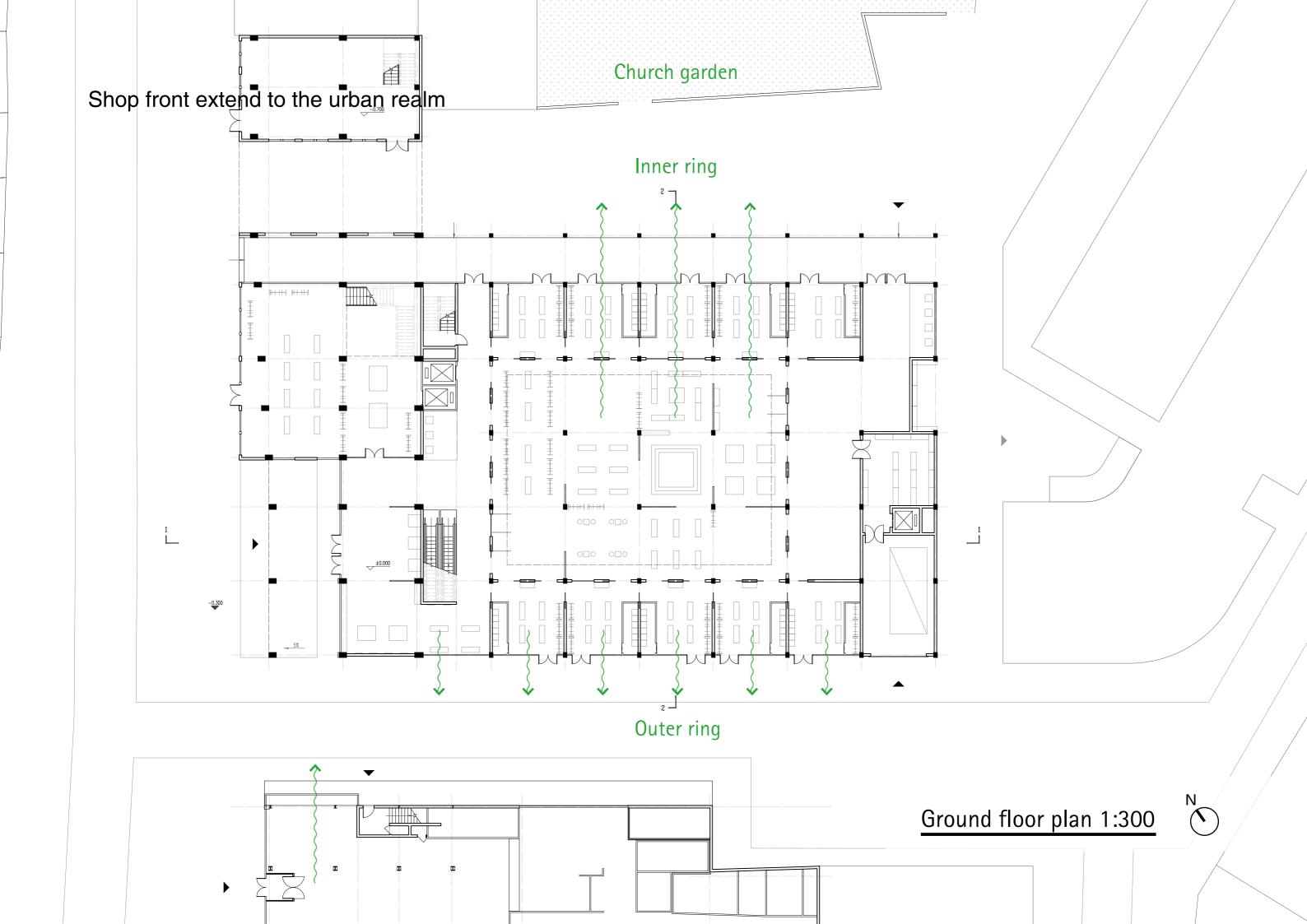


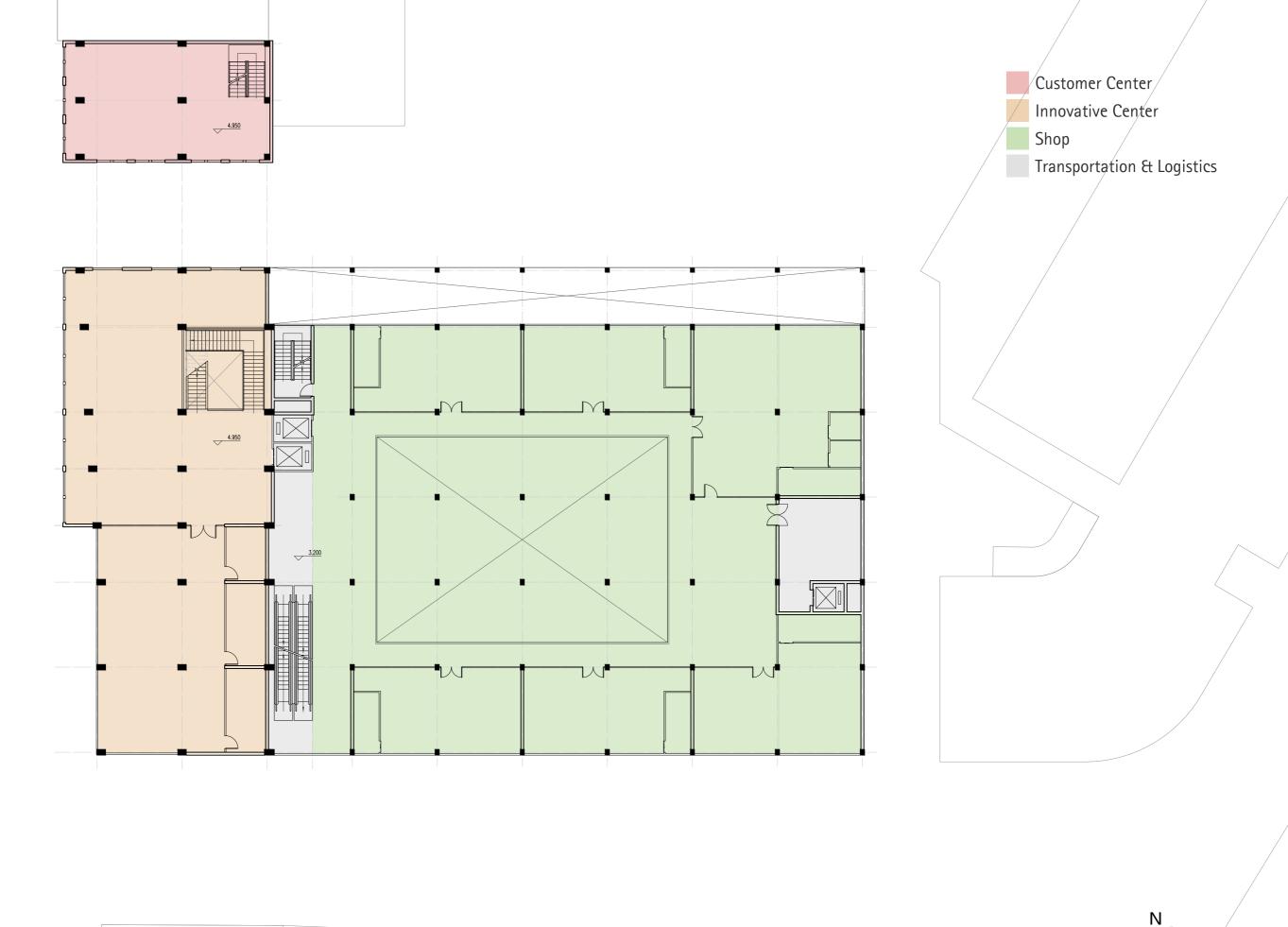
Shop / exhibition

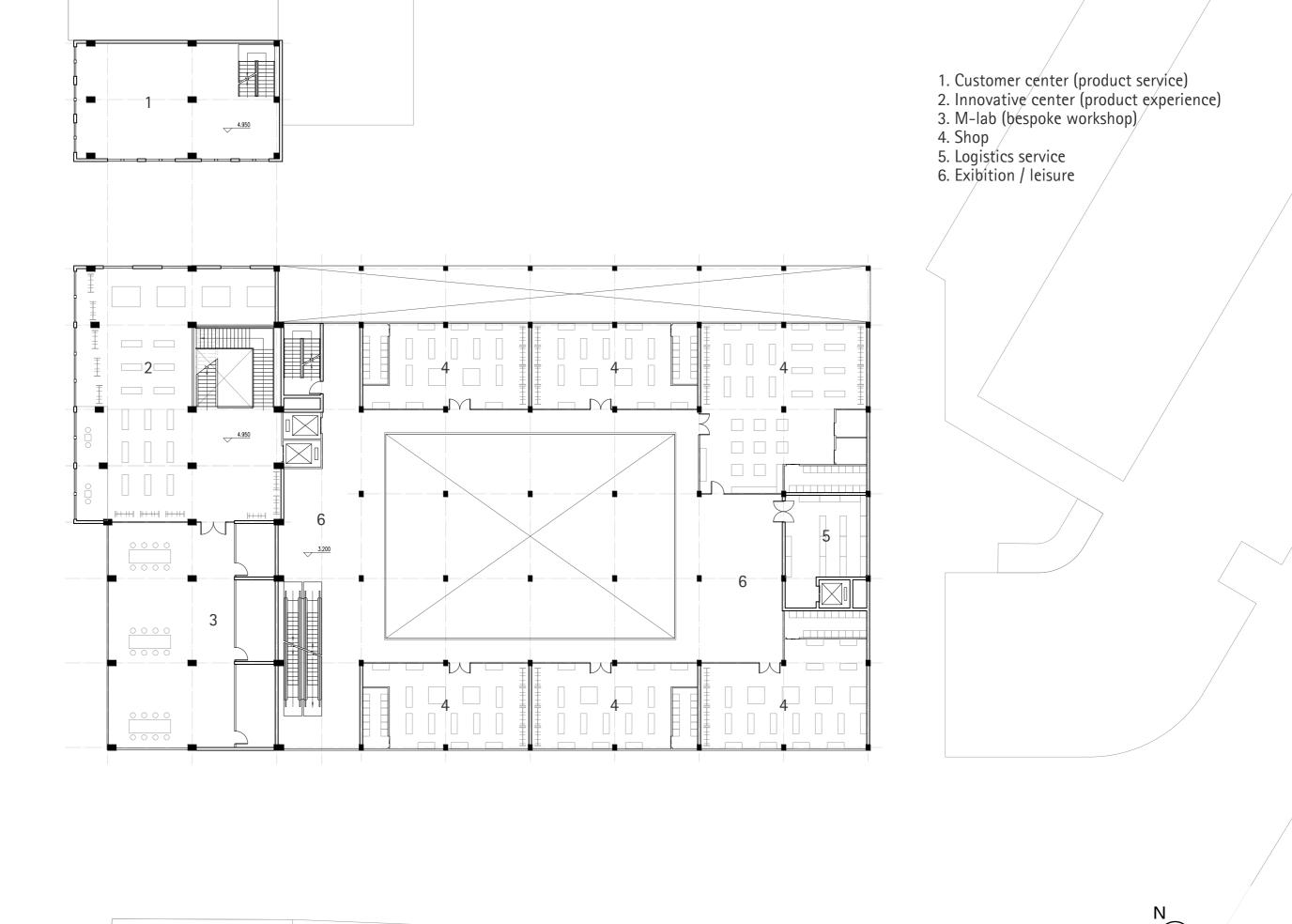


Fashion Show





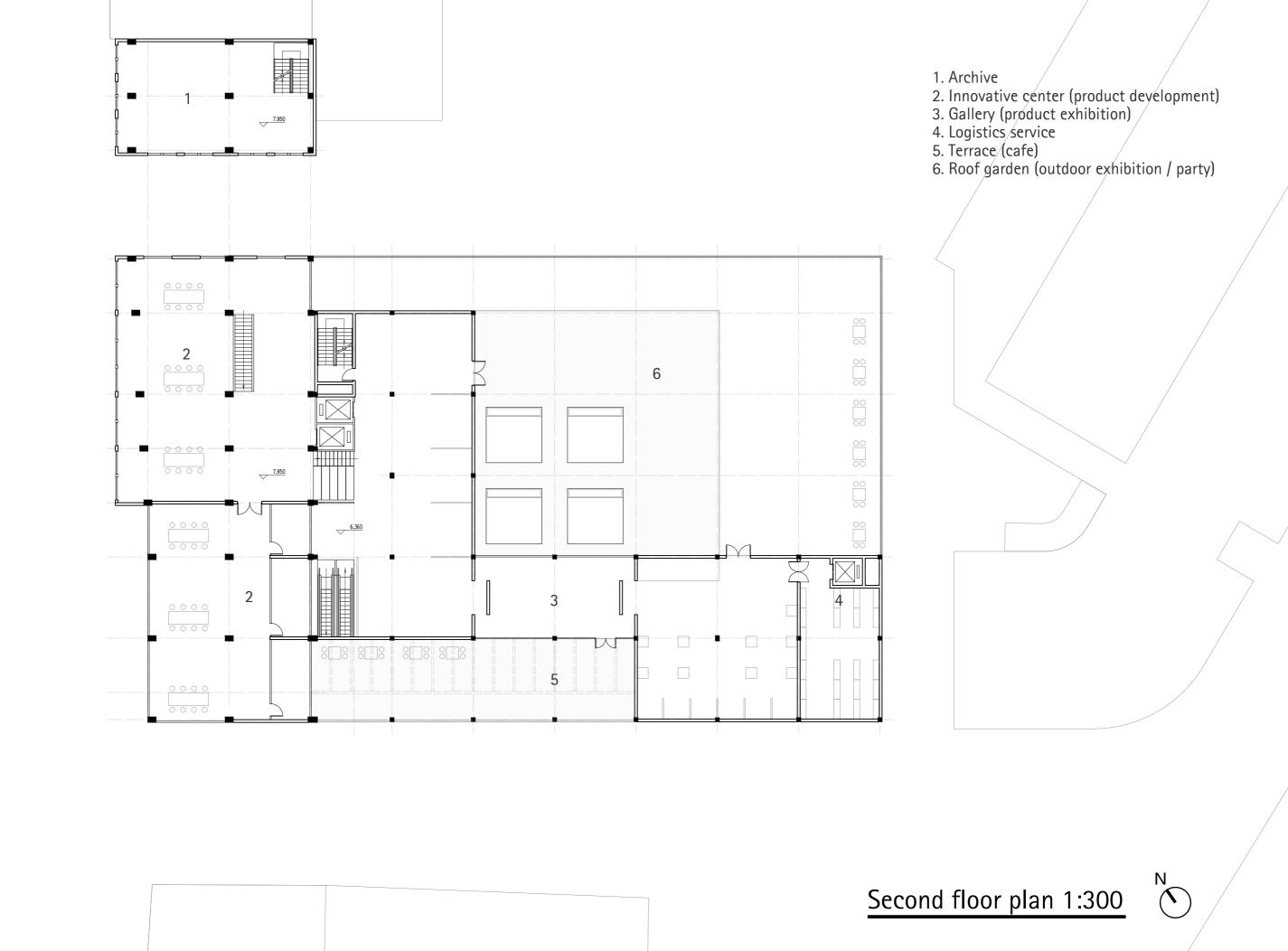


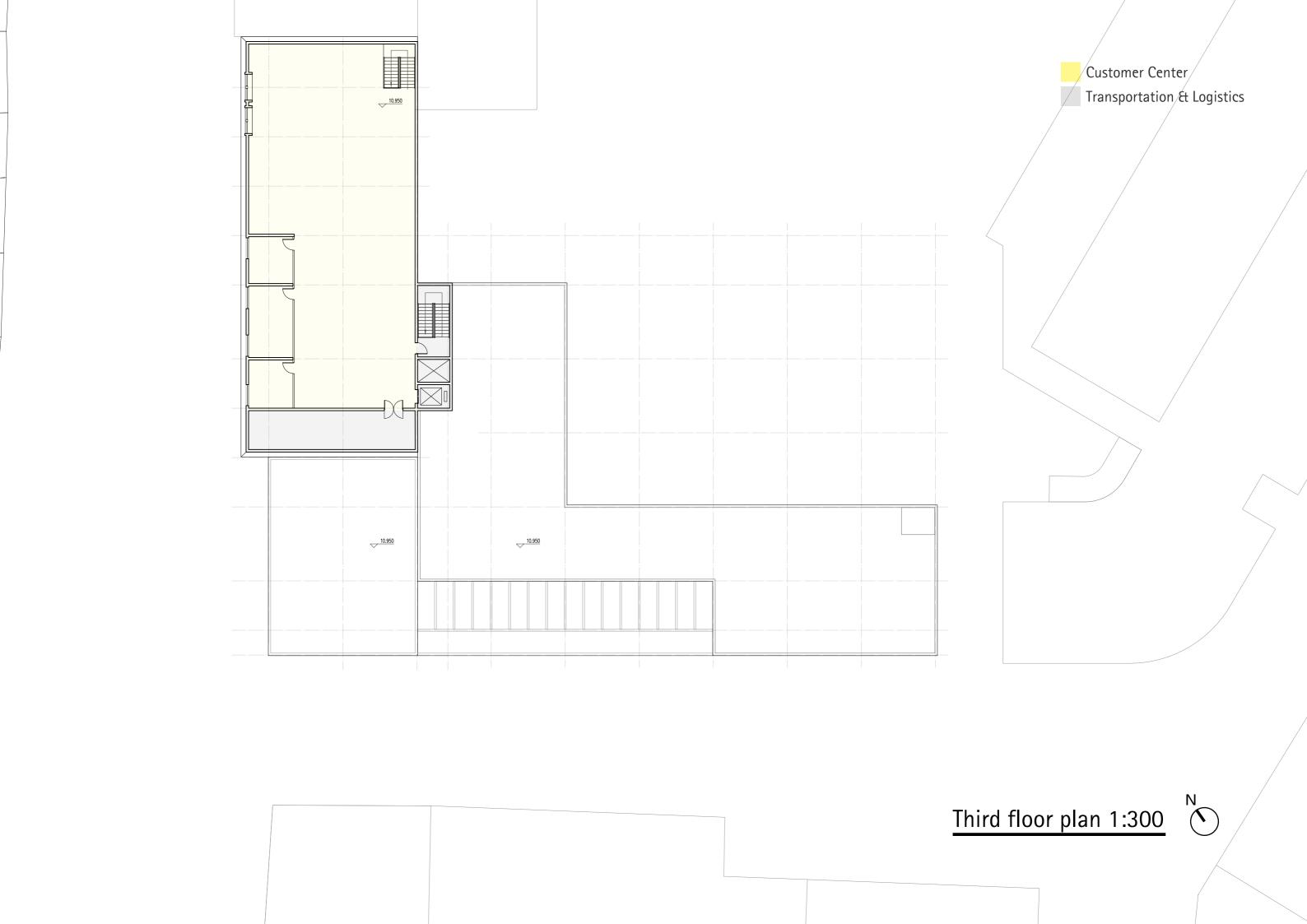


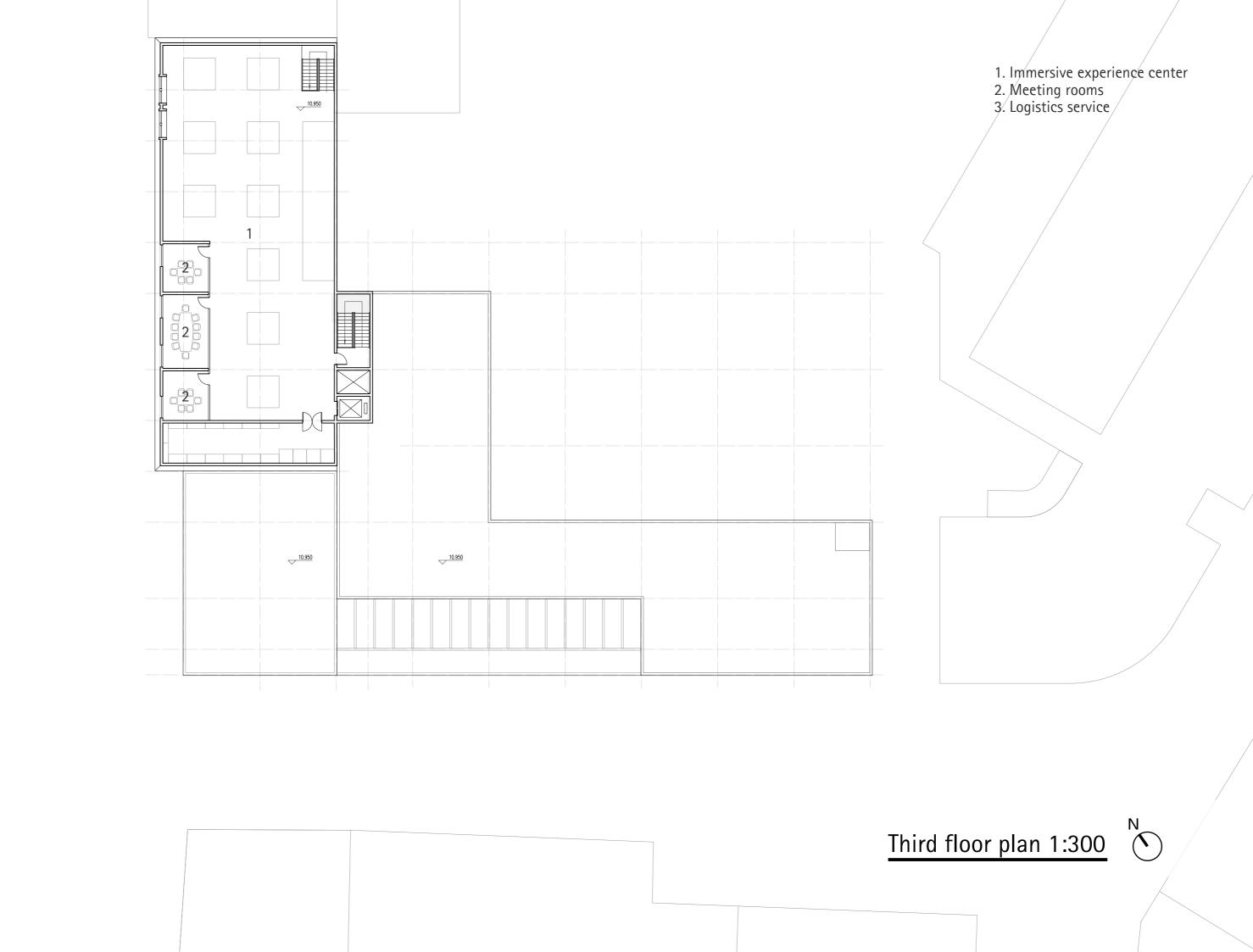


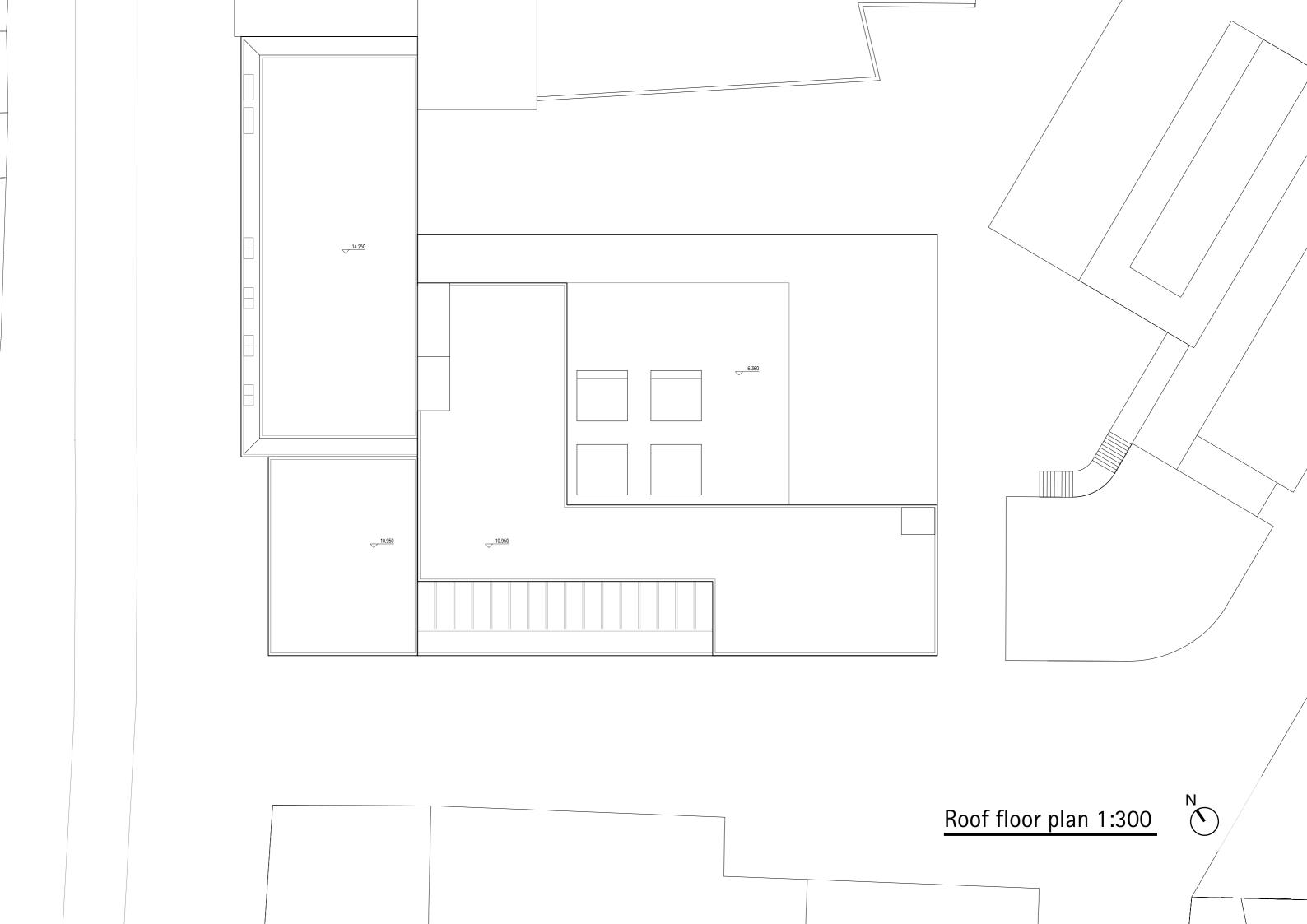
Second floor plan 1:300

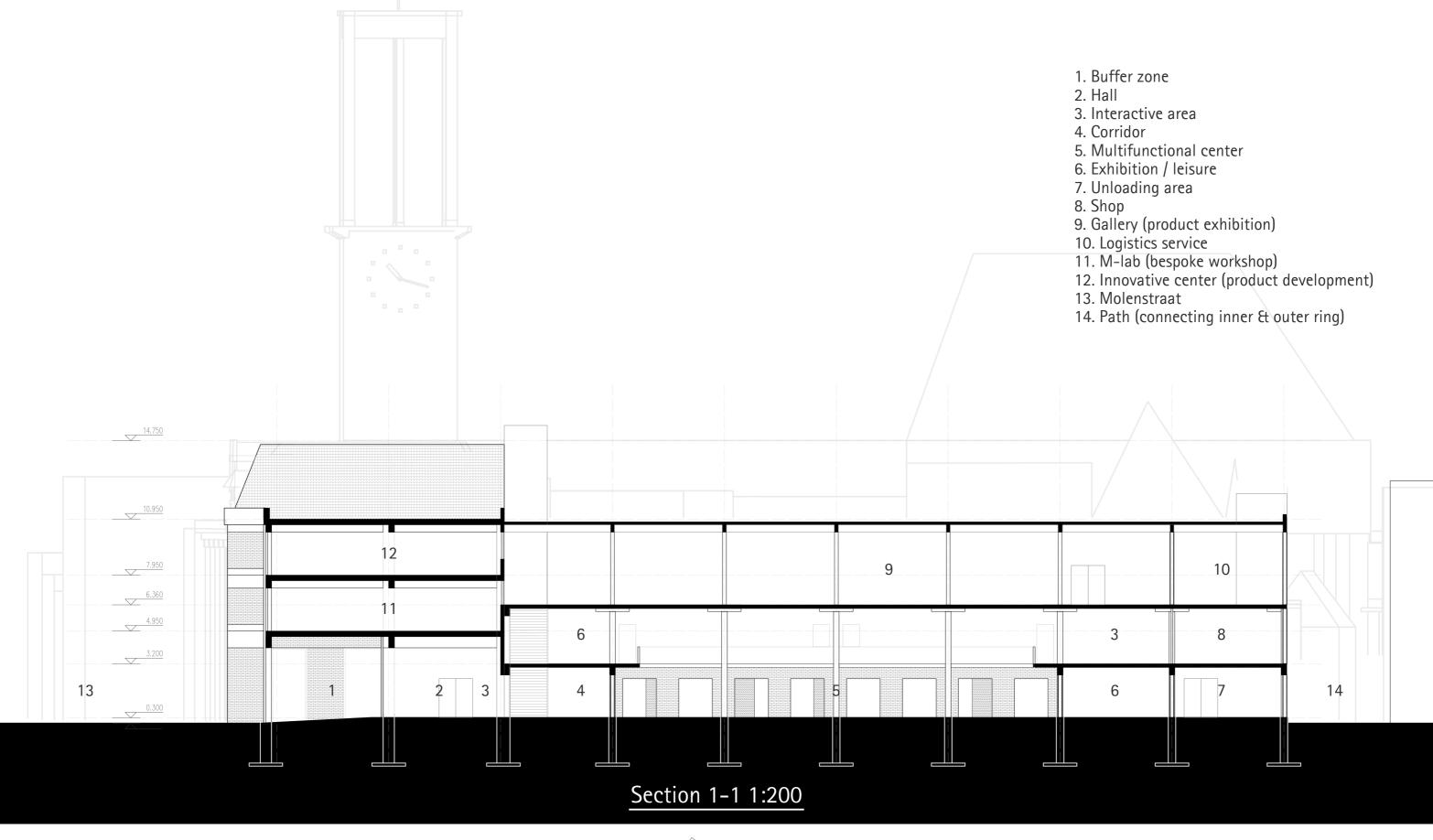


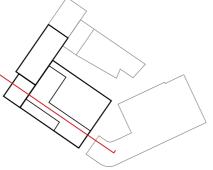




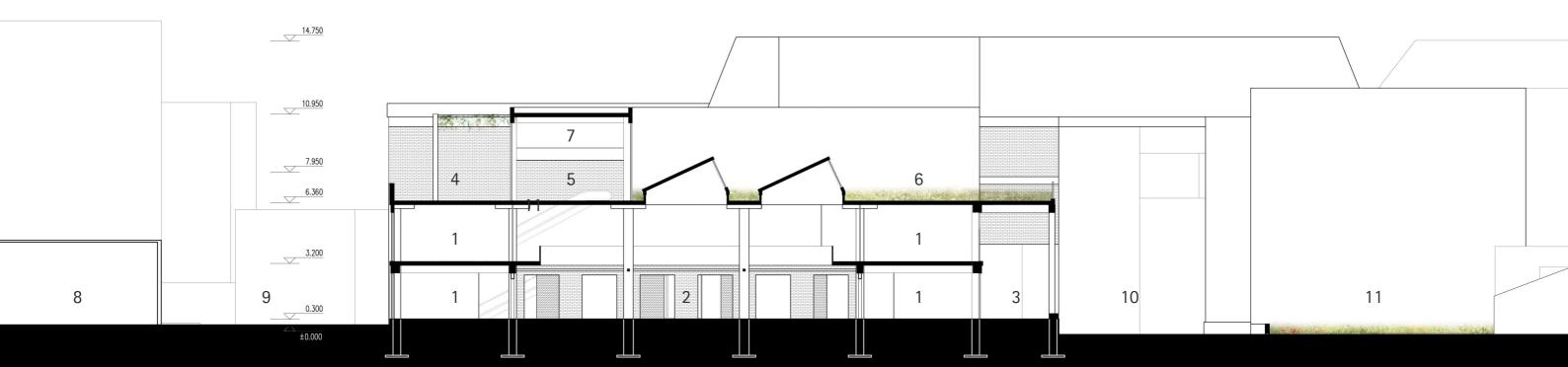




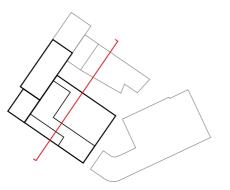




- Shop
 Multifunctional center
 Arcade
- 3. Arcade
 4. Roof garden (for gallery)
 5. Gallery (product exhibition)
 6. Roof garden
 7. Innovative center
 8. Burger King (renovated)
 9. Inner ring
 10. Outer ring
 11. Church garden

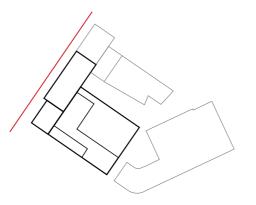


Section 2-2 1:200



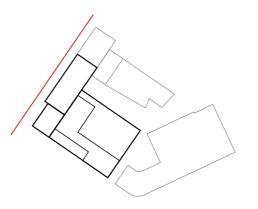


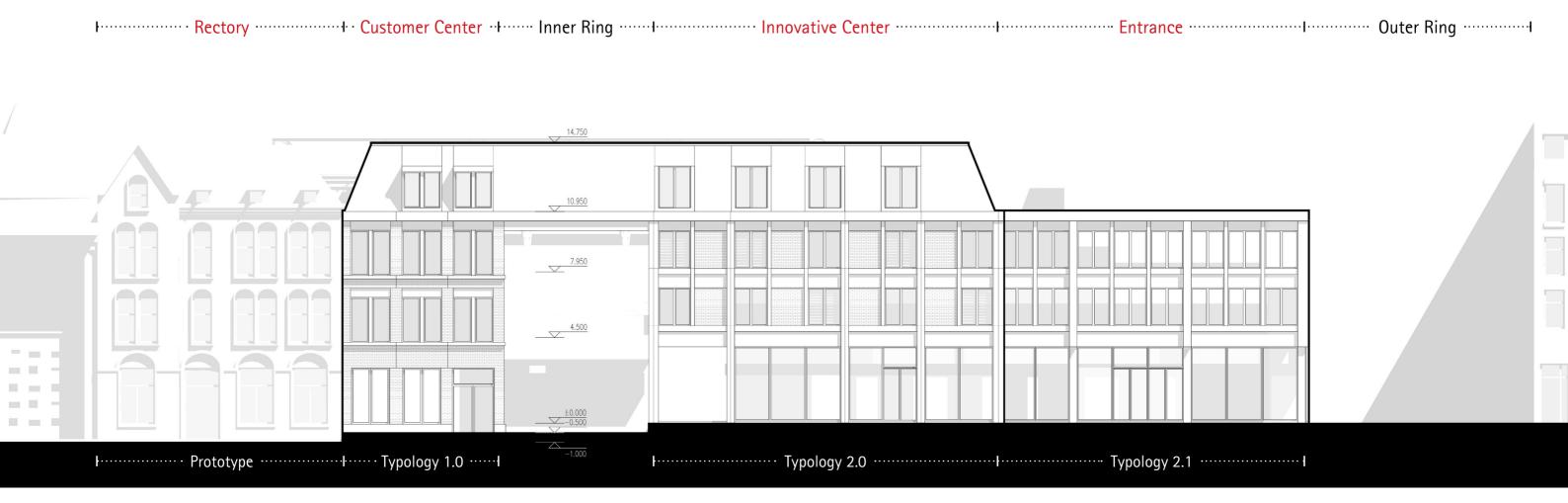


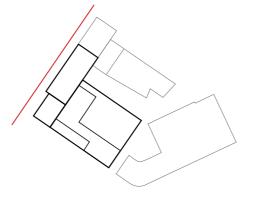




Northwest Elevation











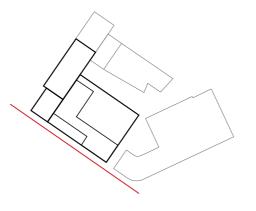






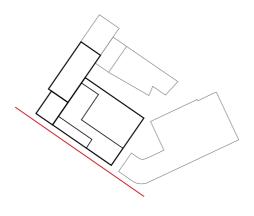


Southwest Elevation

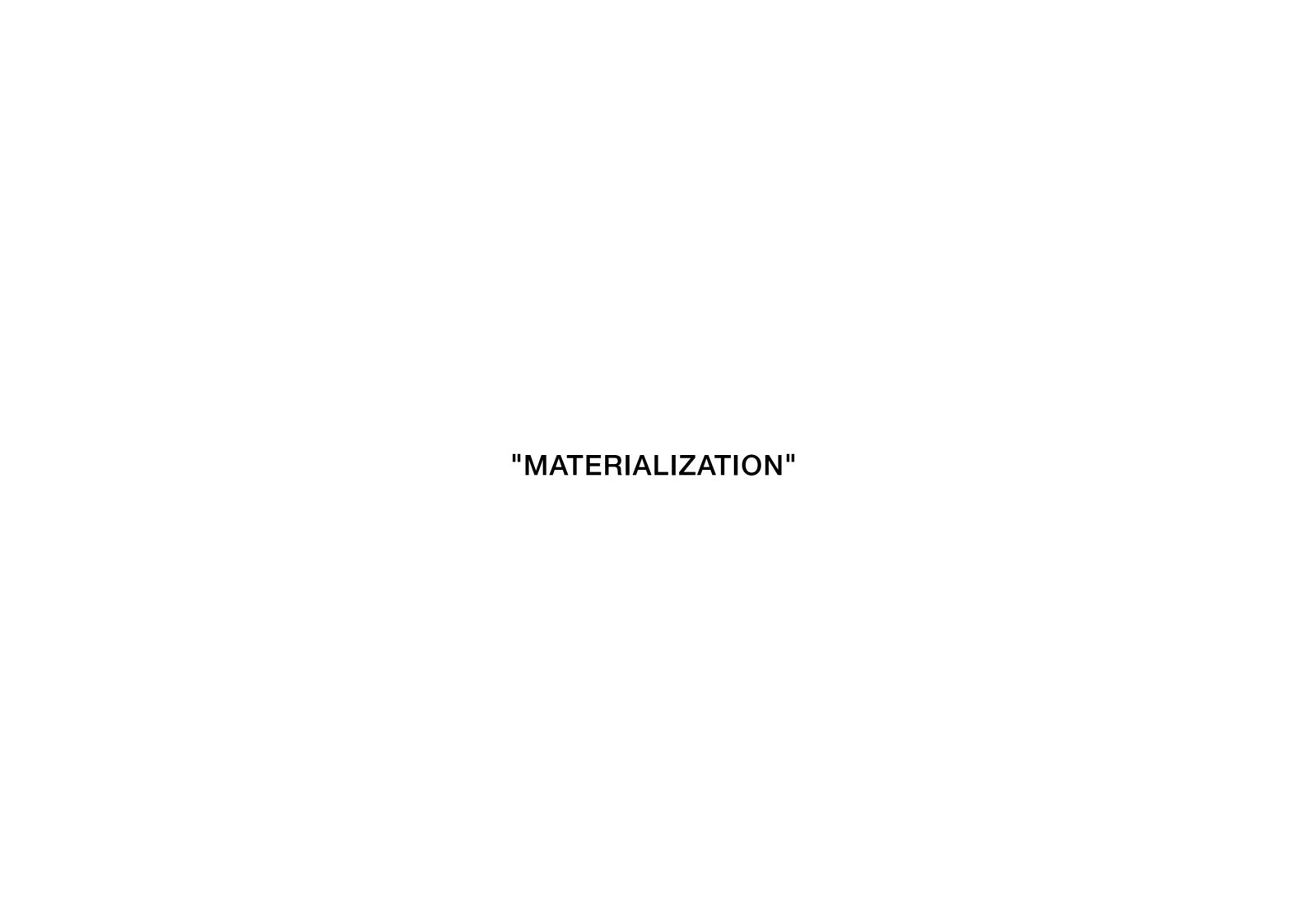




Southwest Elevation

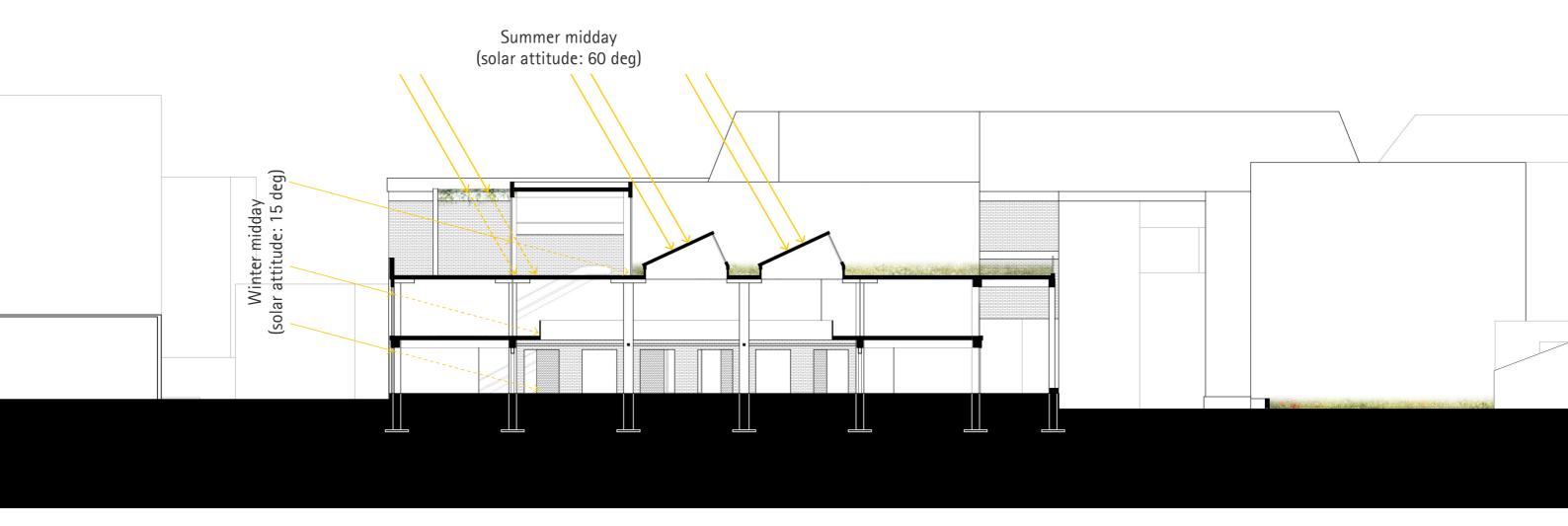


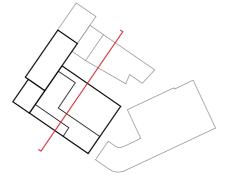


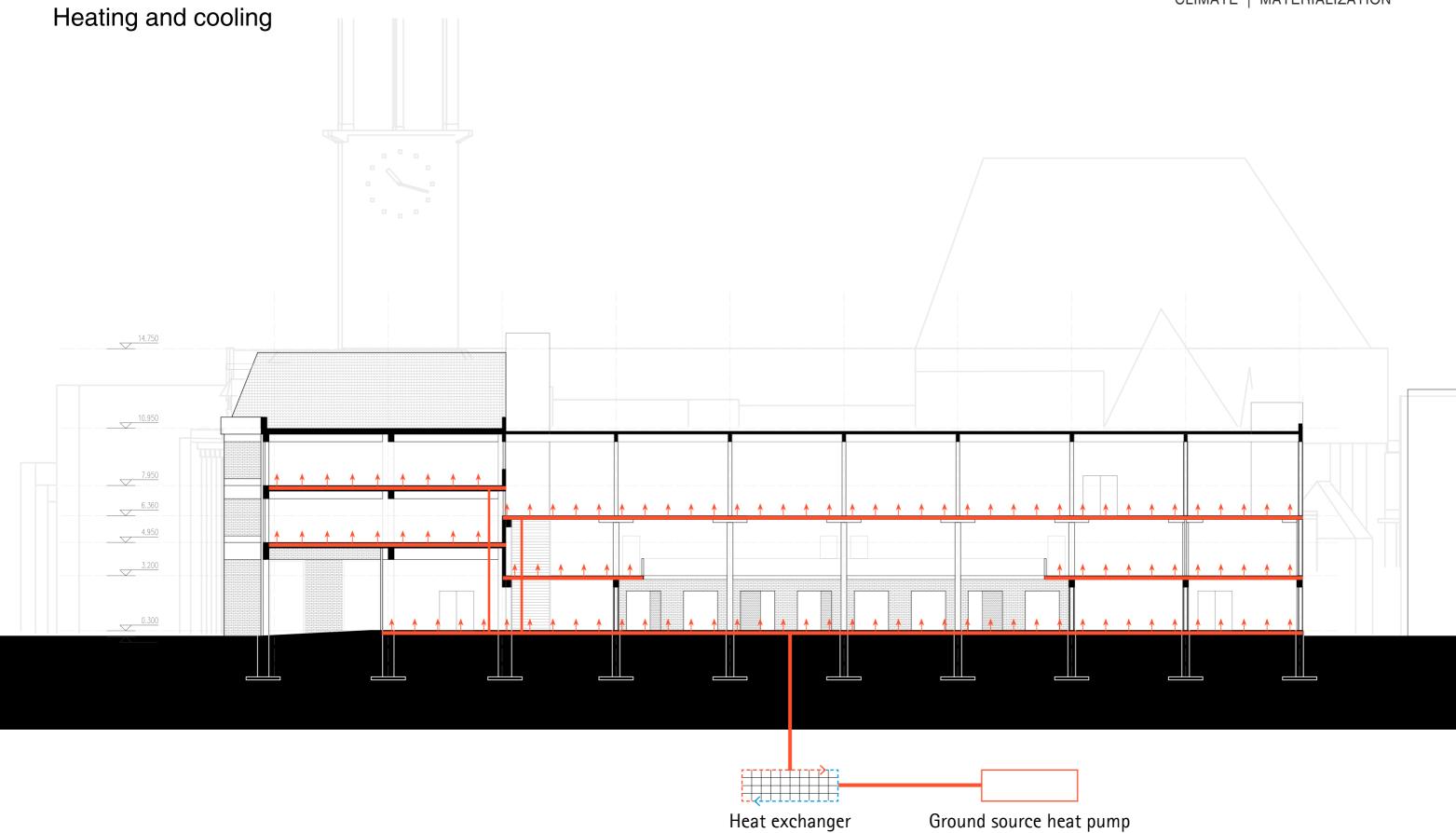


Daylight Analysis

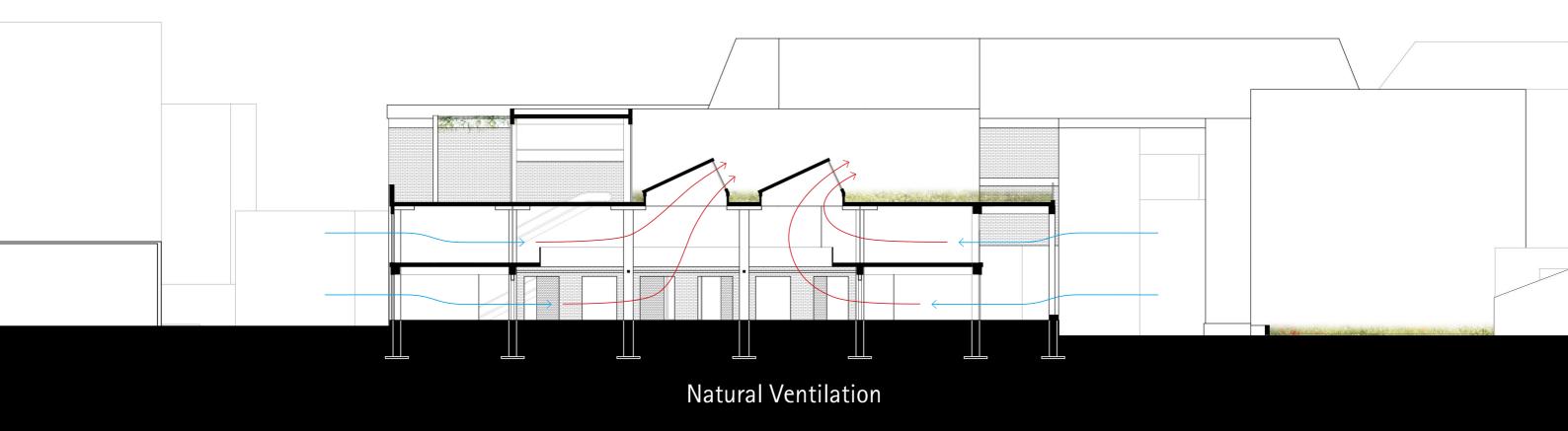


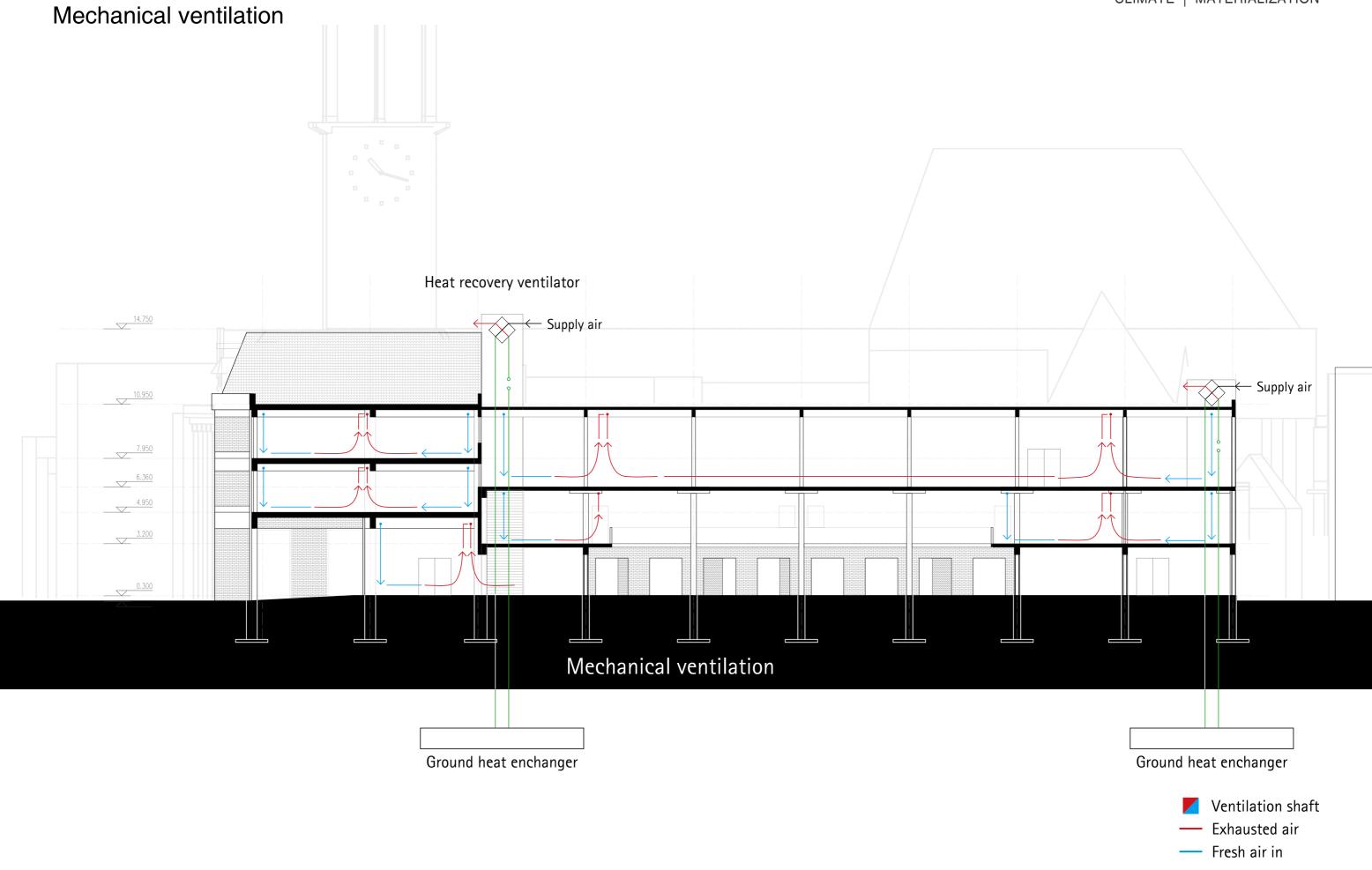




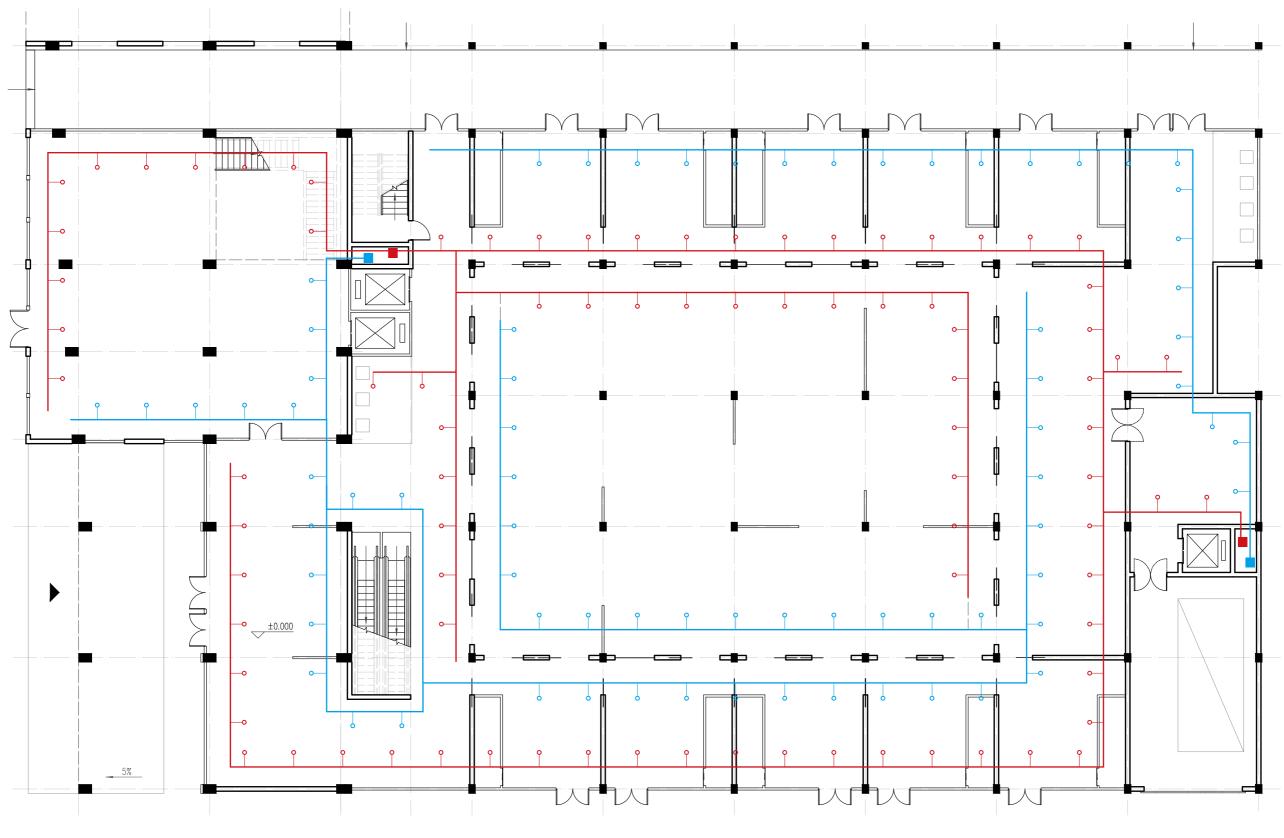


Natural ventilation





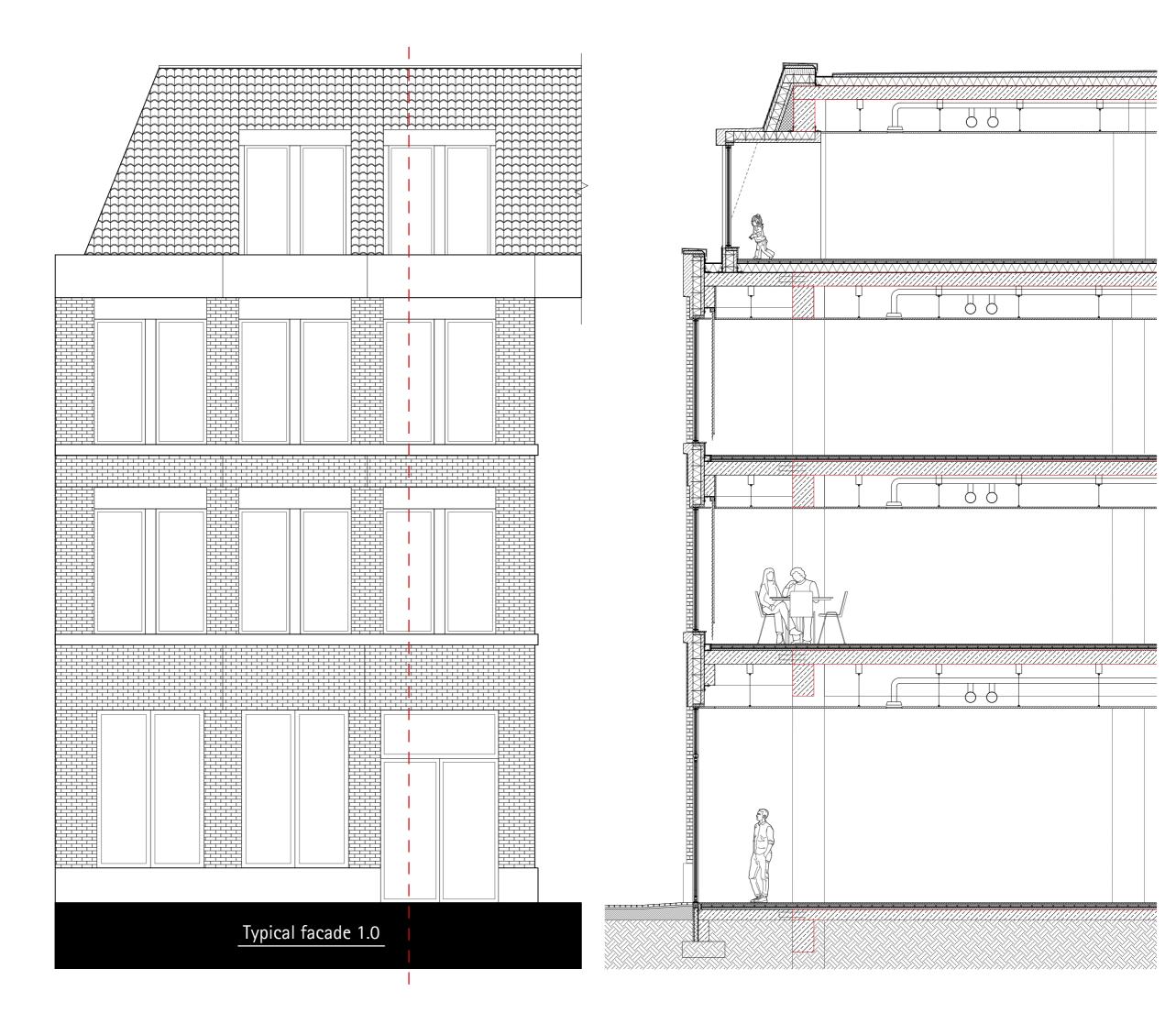
Mechanical ventilation

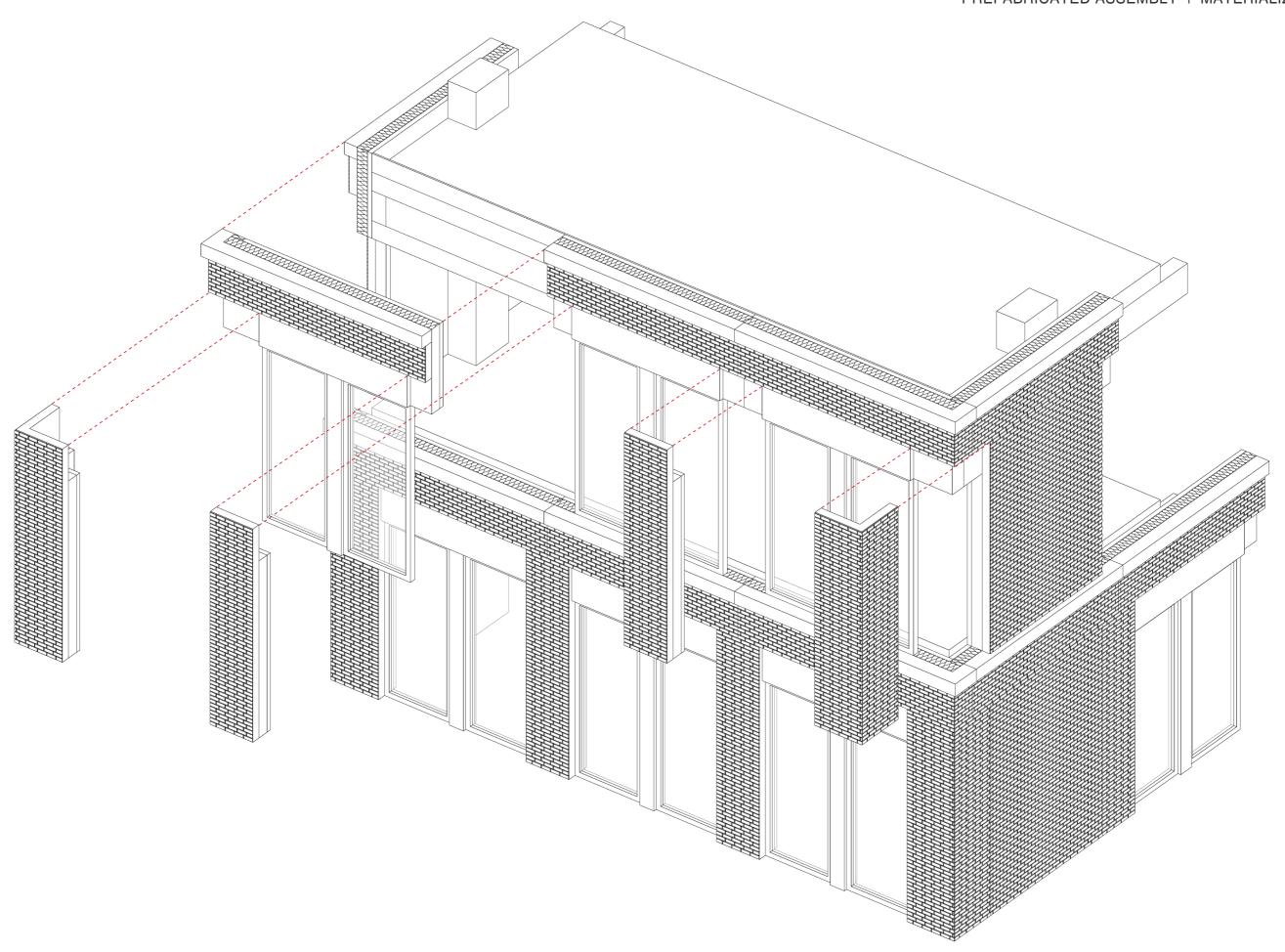


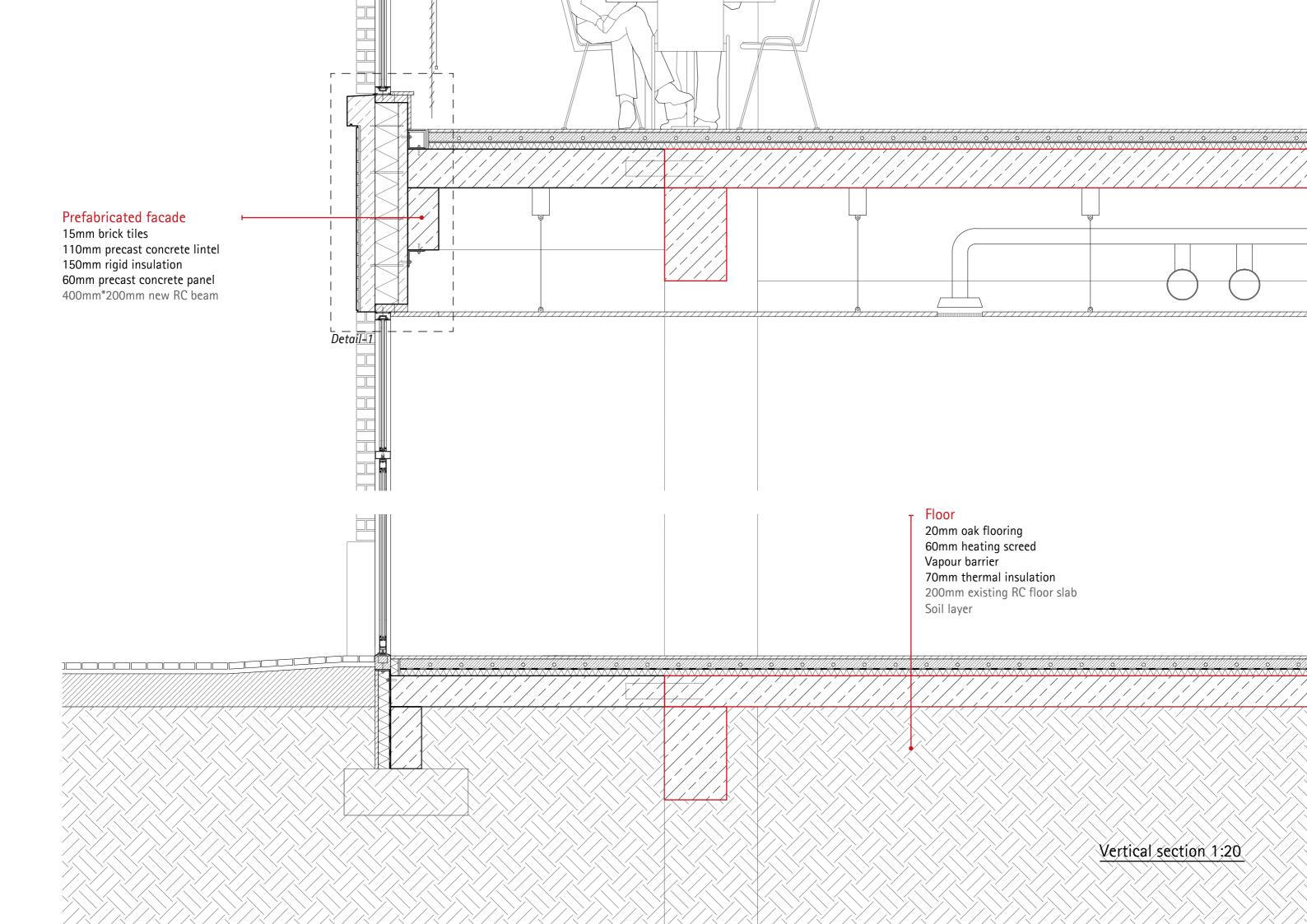
Ventilation shaftExhausted airFresh air in

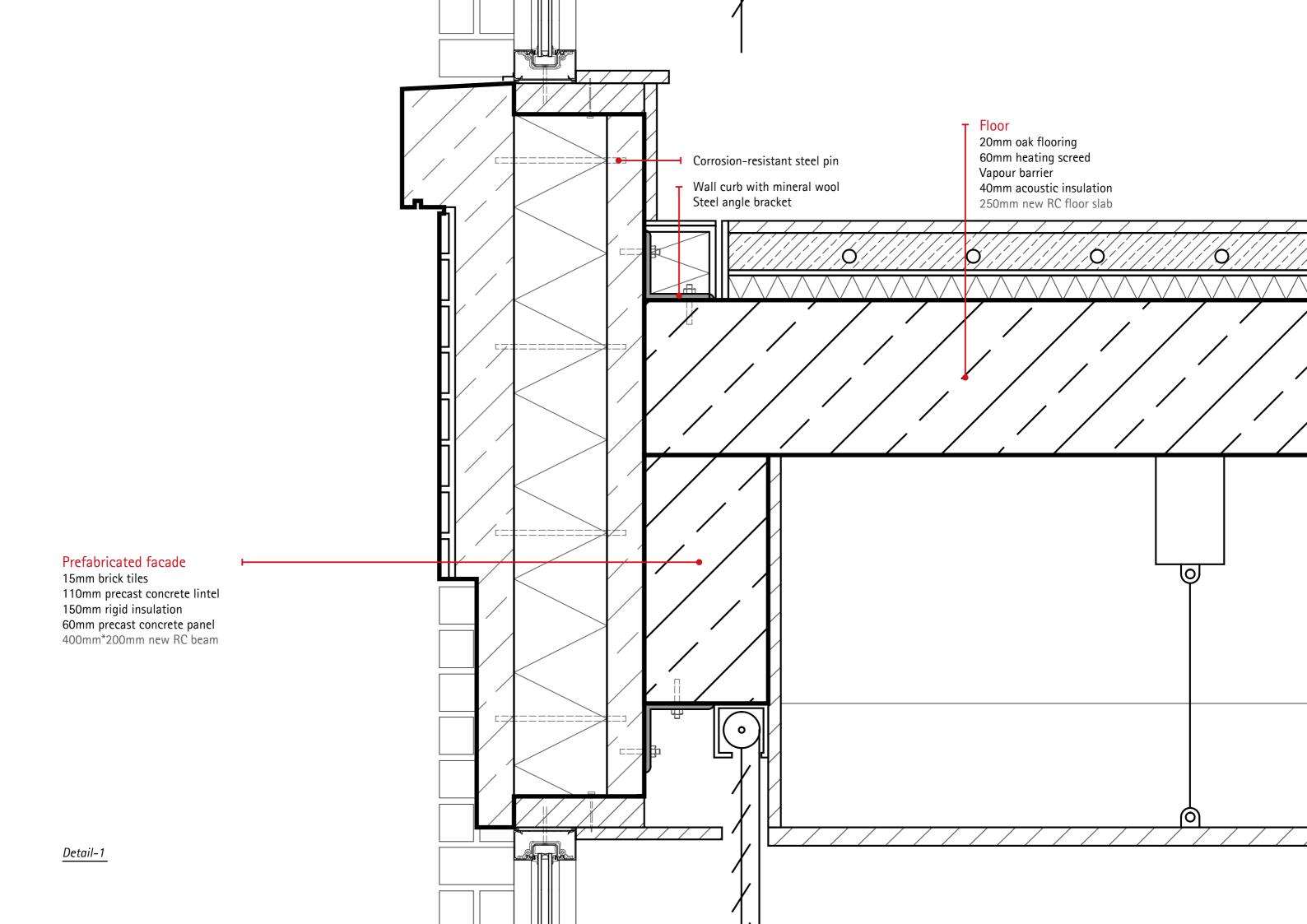


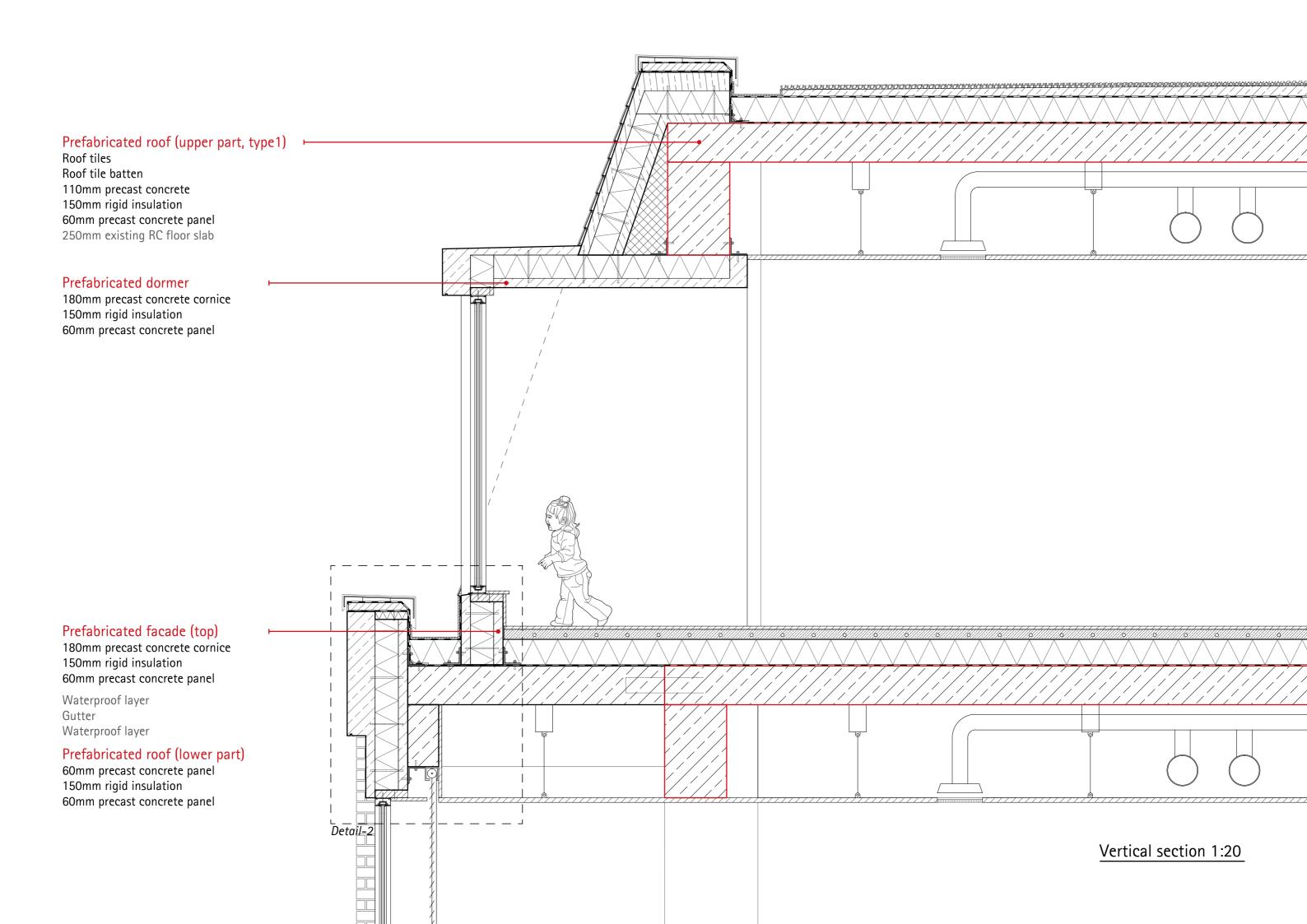
Typical facade 1.0

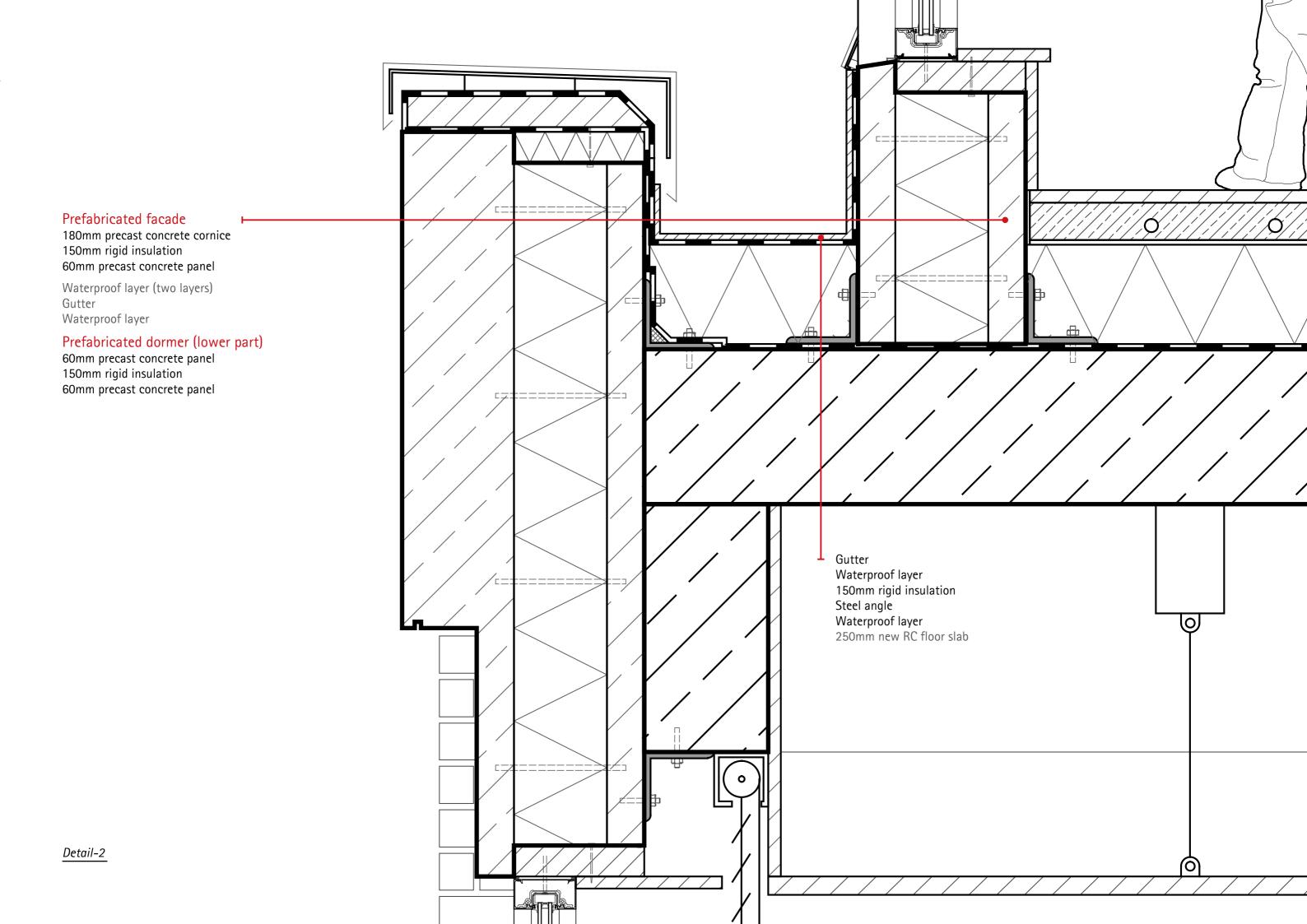


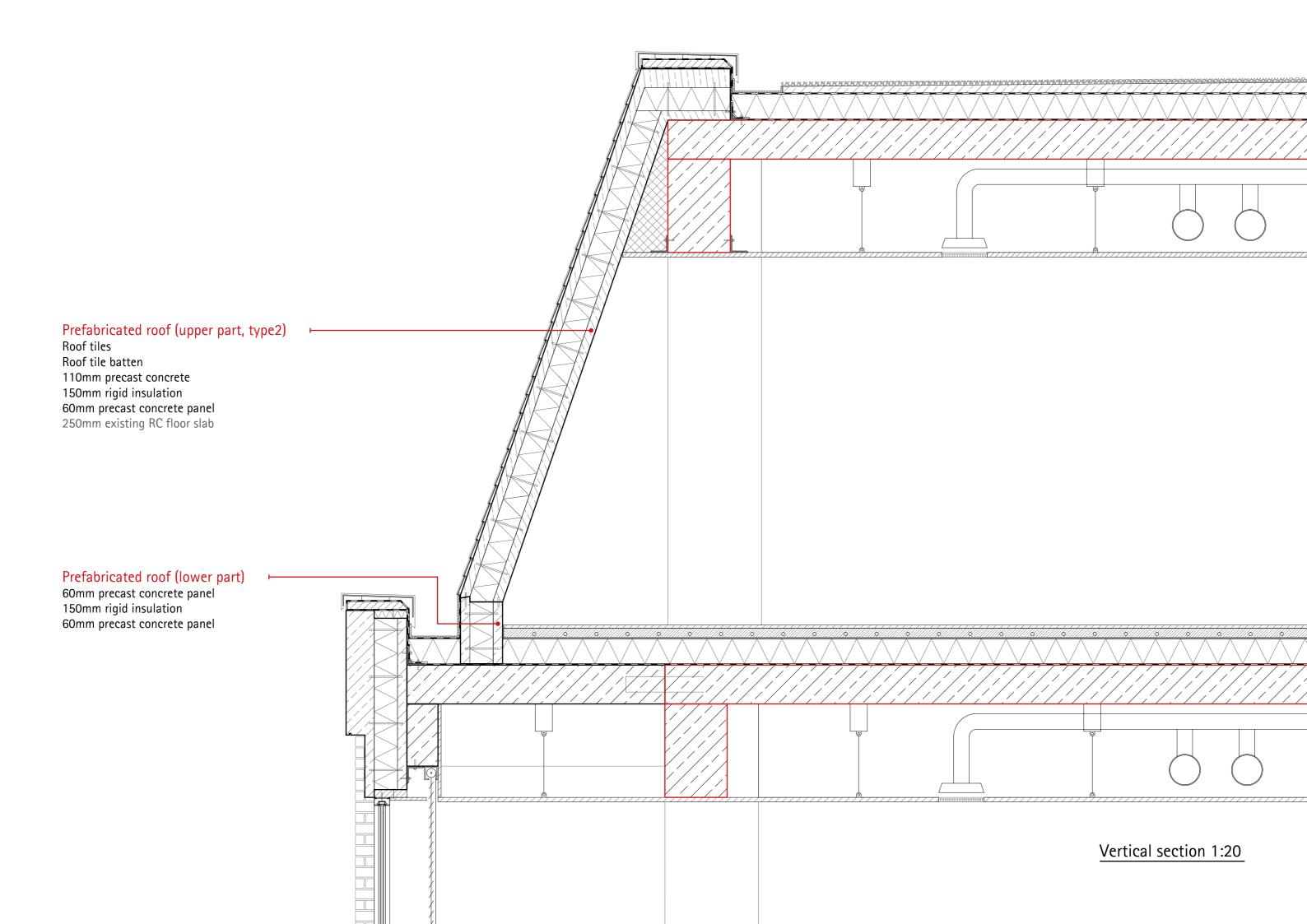


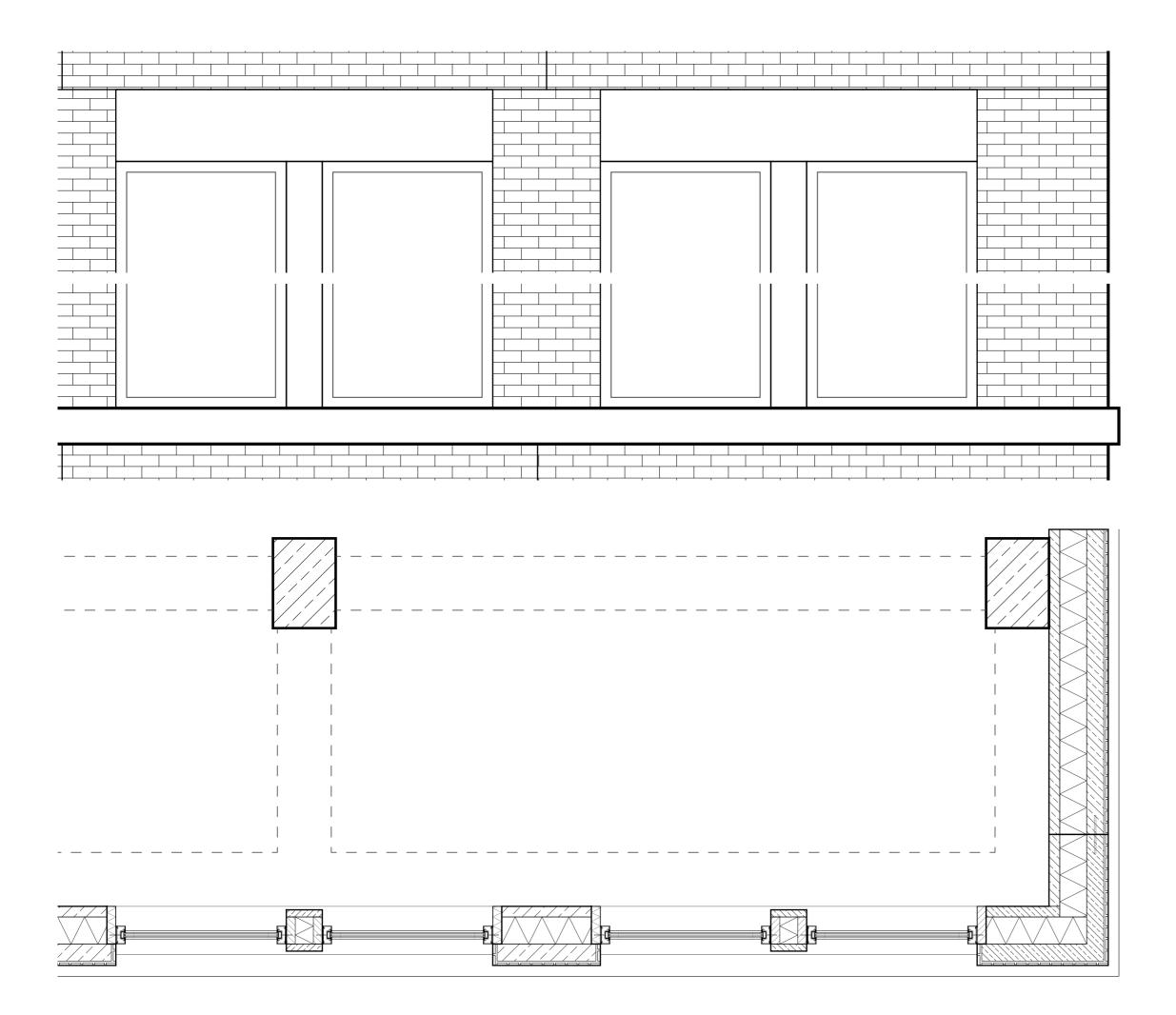














Typical facade 2.0

