

Statt Sofa

*Closing the Gap between the
Urban and the Domestic in
Friedrichshain, Berlin*

Public Condenser New Urban Lounge & Commons

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4572912

22 June 2023

Tutors:

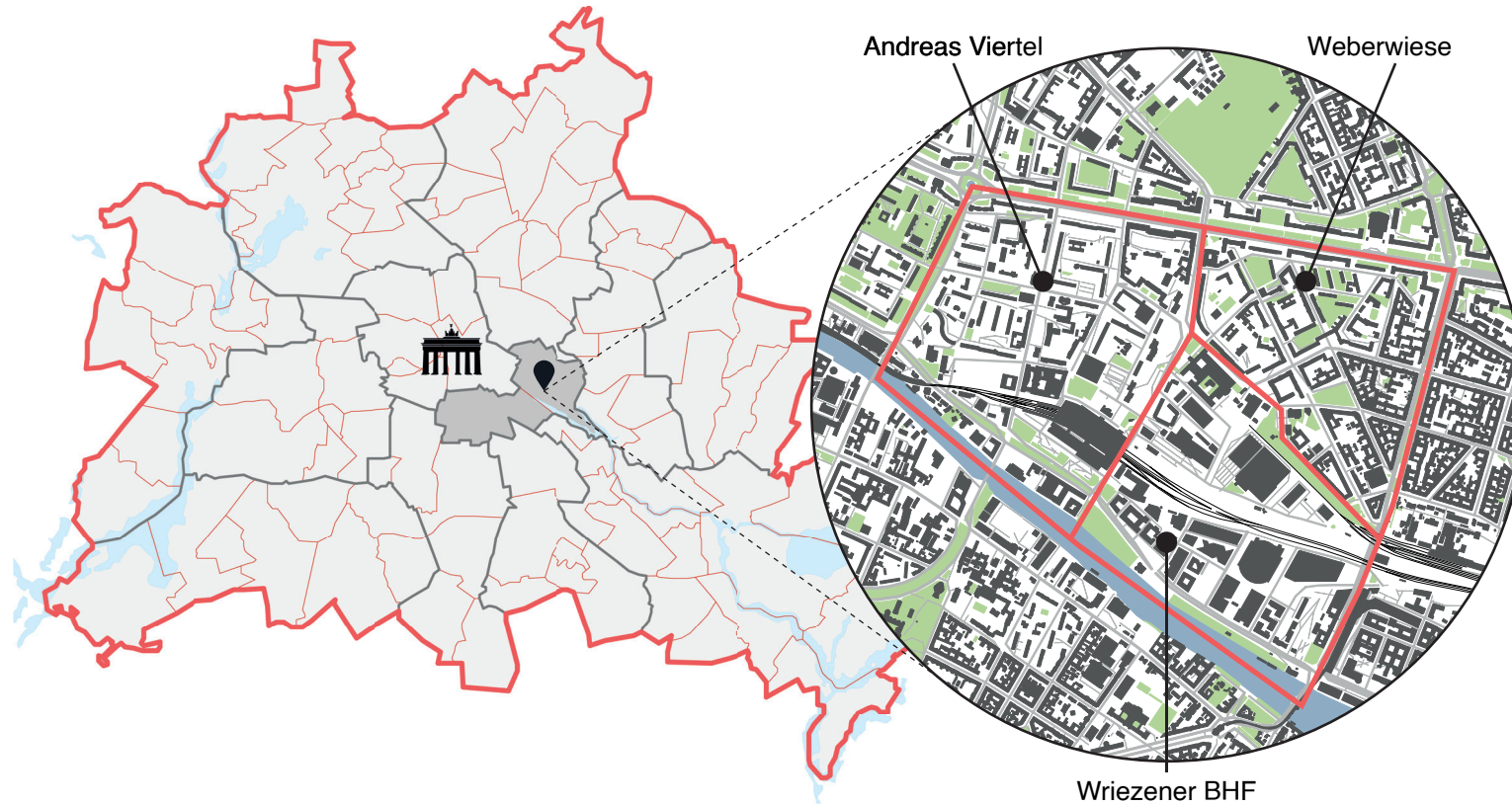
Stefan Witteman - Project Design
Florian Eckardt - Technical Building Design
Stefano Corbo - Theory & Delineation

Nathalie de Vries - Responsible Instructor
Paul Kuitenbrouwer - Course Coordinator



Introduction

Berlin to Friedrichshain



Recap

Location Analysis



Buildings

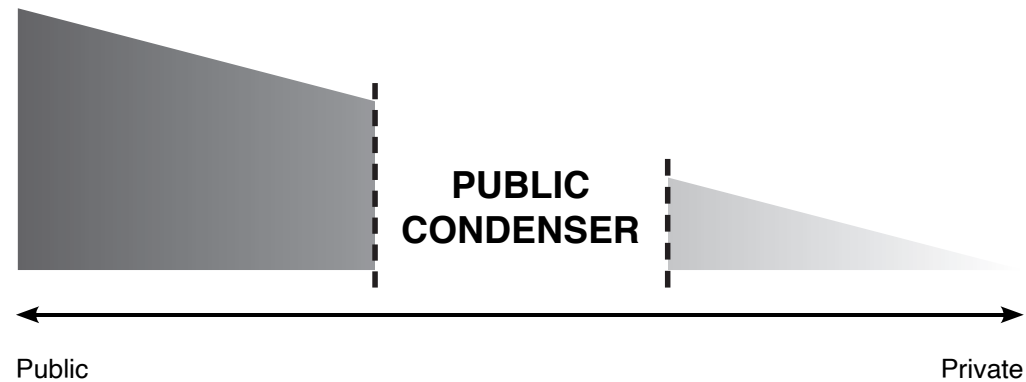
Infrastructure

Green

Conclusion

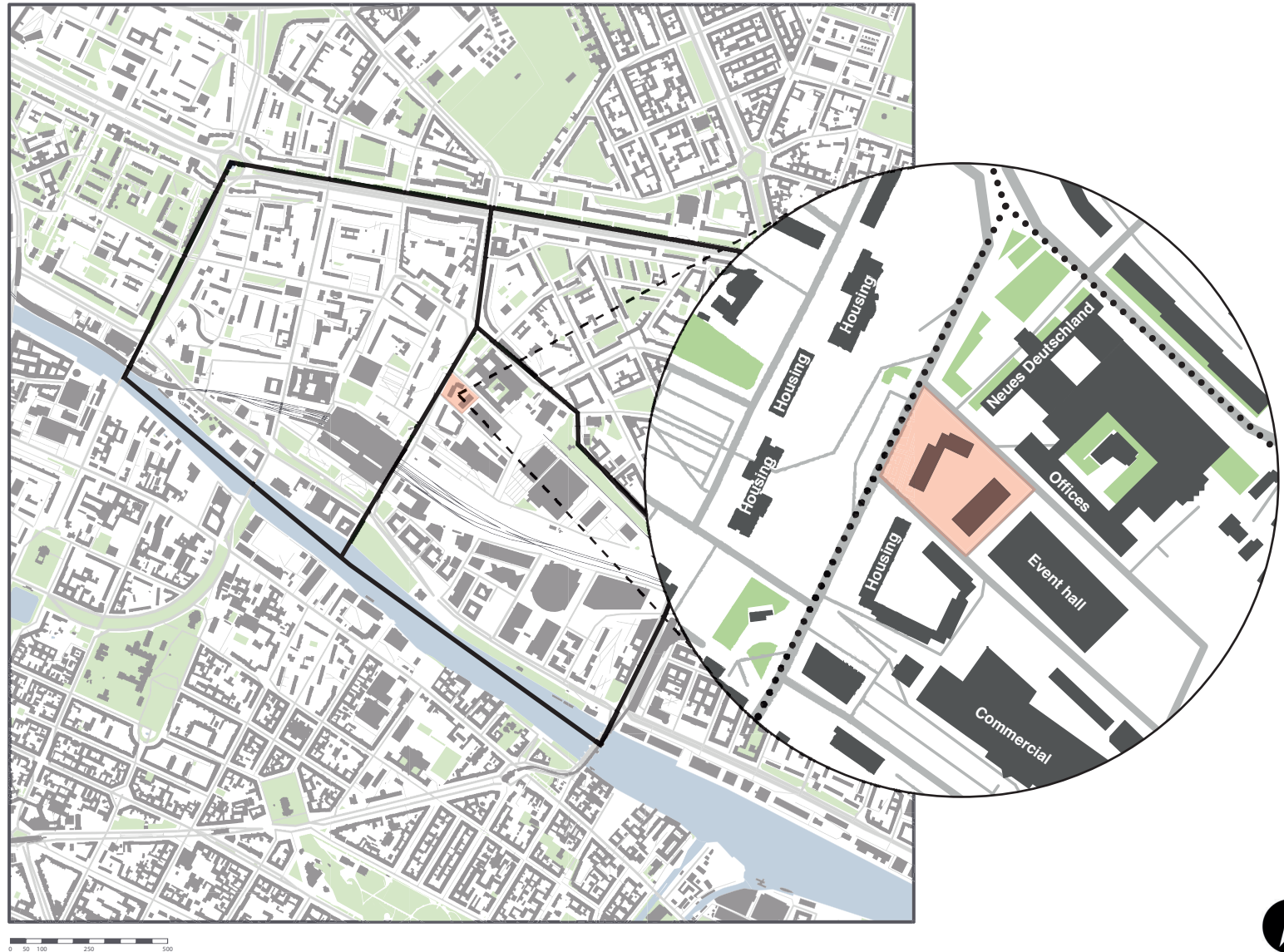
Problem Statement

“The step in scale between private and public spaces is currently too big to facilitate meaningful social interactions.”



Site Introduction

Str. der Pariser Kommune 20D



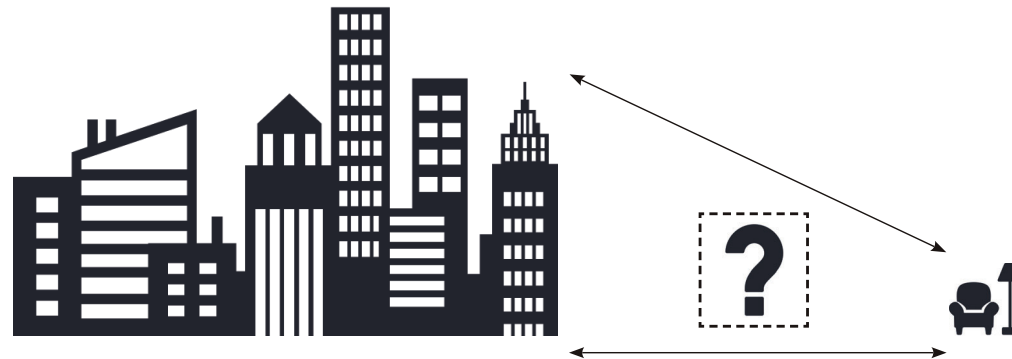
Research Questions

Objectives

In what way can a public building facilitate the gradual transition between the private and public domain in Friedrichshain, Berlin?

How can architecture rethink boundaries between public and private?

*How can the notion of **commons** make a public building more inclusive?*



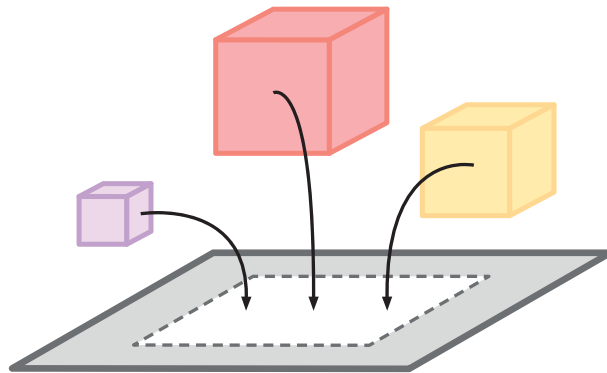
Commons

Elaboration

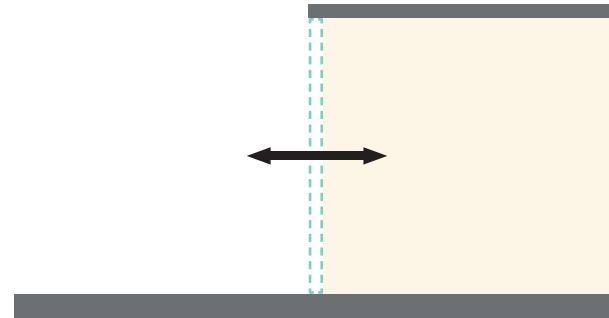
“The notion of commons in short means that the place has a common use. That it is accessible to all members of society. But it is more than just a public space as it is more inclusive. More inclusive in the way of not only people but moments and cultures as well. It also has a touch of hybridity in it as the place of commons will need to change functions over time to tend to the people’s needs.”

Design

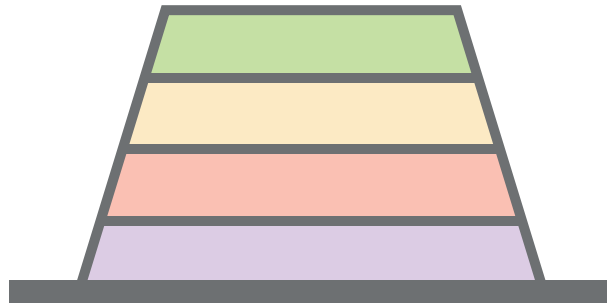
Introduction



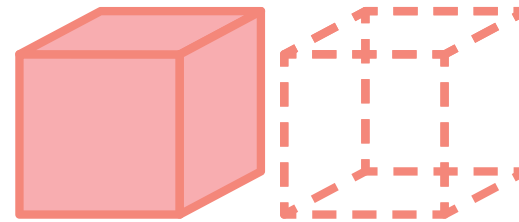
Missing program



Enhancing transparency



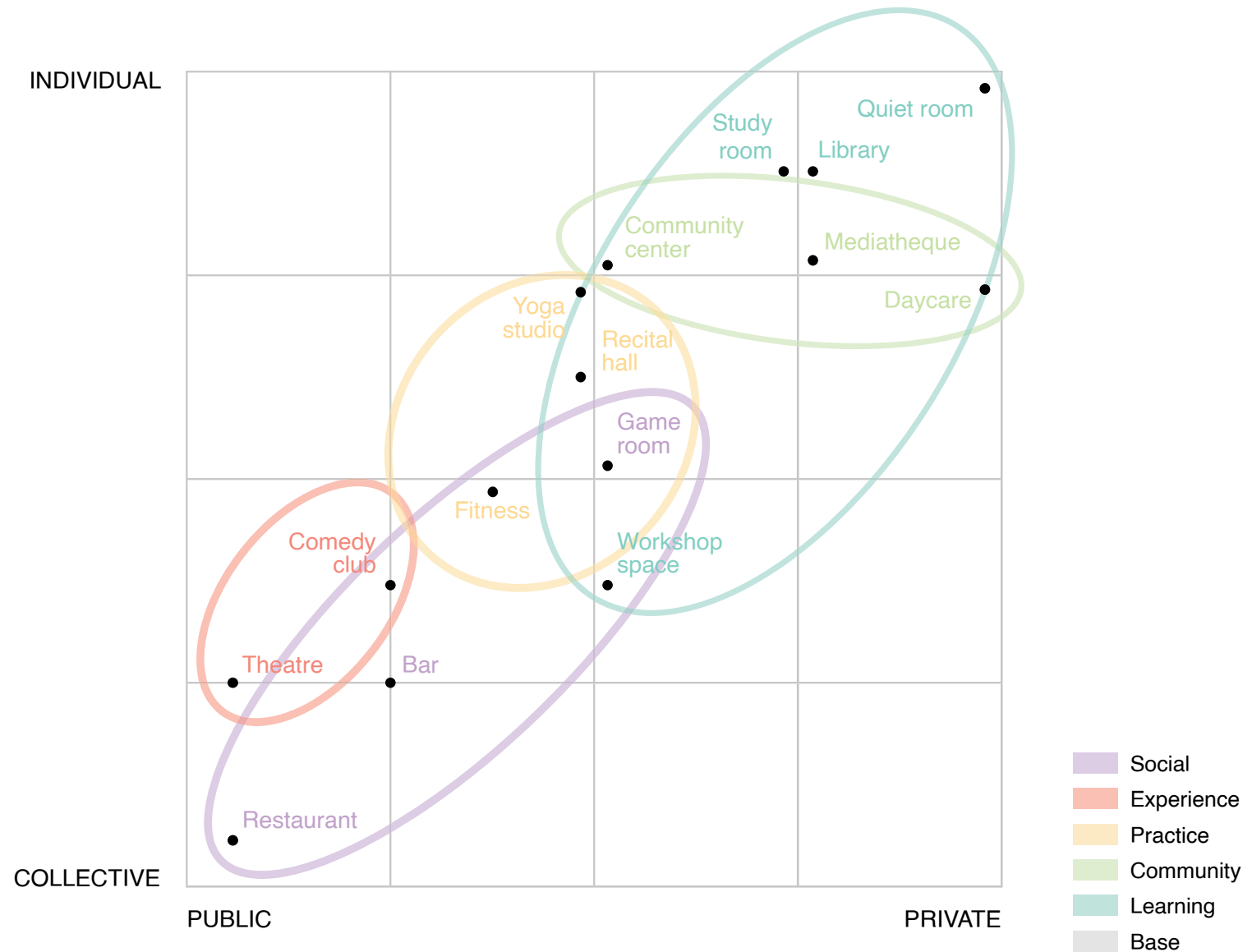
Themed floors create gradient



Mix of permanent and flexible

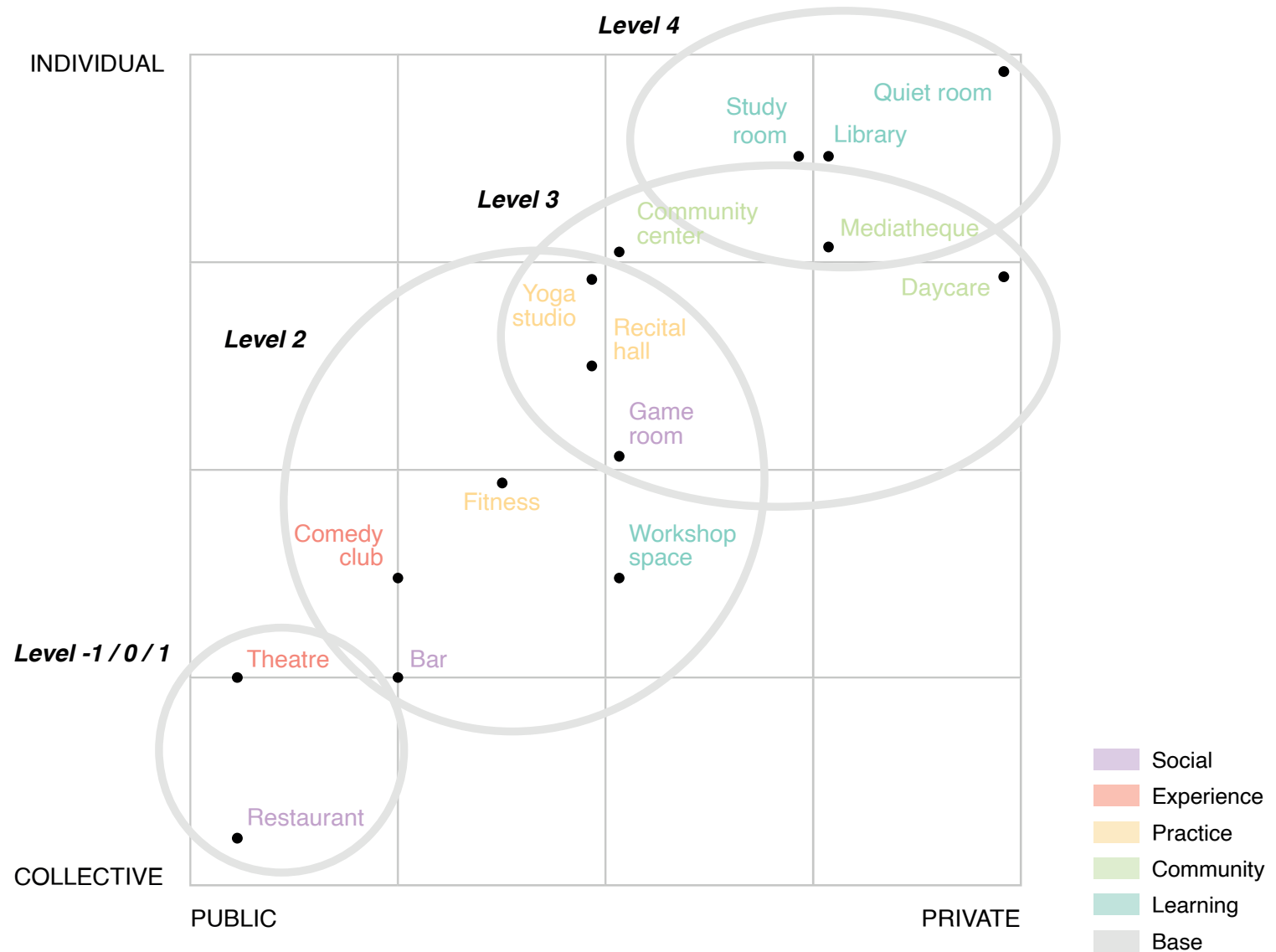
Themes

Visualisation



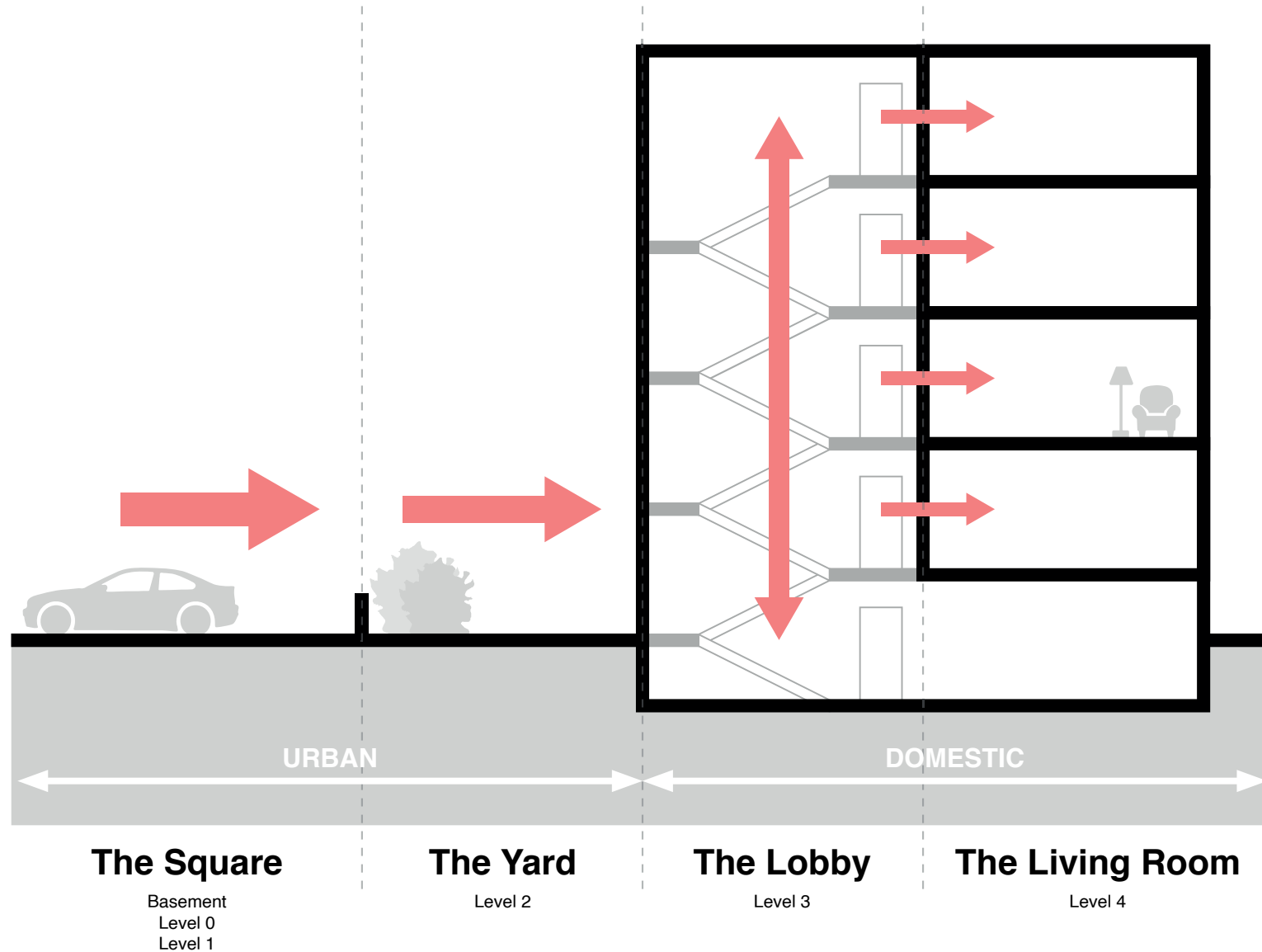
Themes

Visualisation



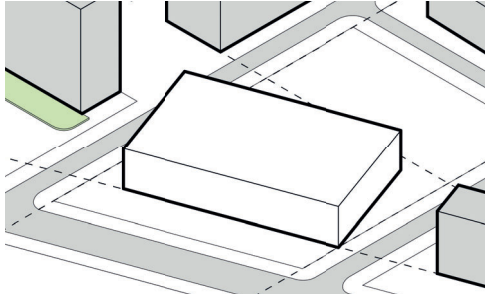
Zones

Coming Home Scenario

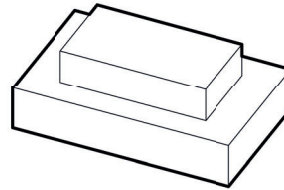


Diagrams of Shape

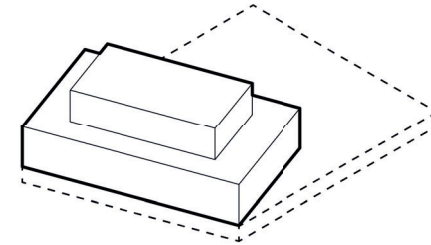
Evolution



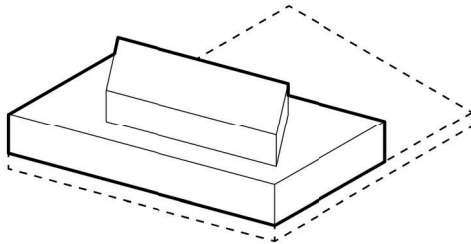
1. Create an urban block from existing lines in the surroundings



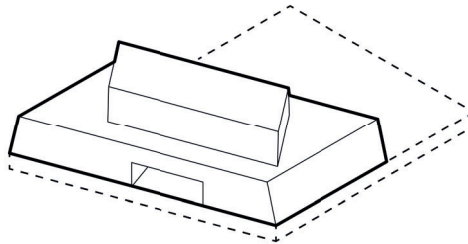
2. Add a domestic block in the same style as the urban block



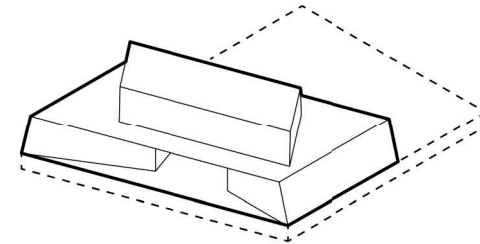
3. Extend the urban block into the ground and add a parking garage



4. Stretch the volumes to fit better within the urban surroundings



5. Lessen the impact on the walkable floors by adjusting the facades



6. Add directional cues to the volume to pull in users from the surroundings

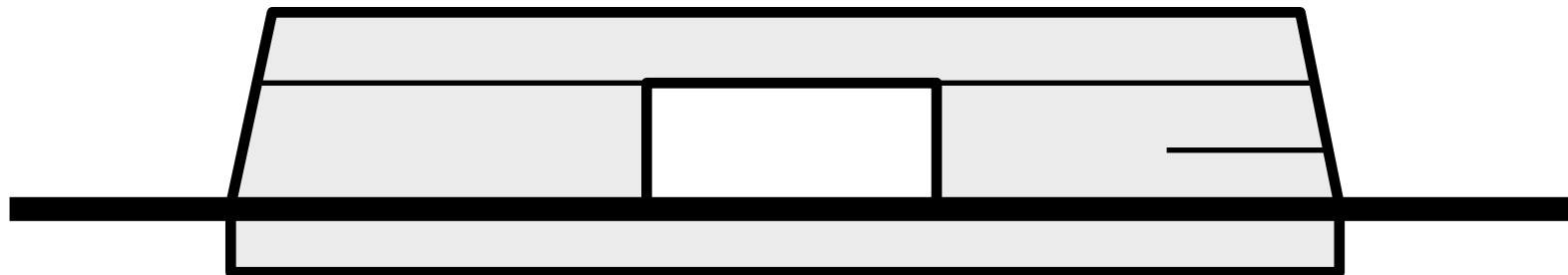
Division

Urban vs. Domestic

DOMESTIC



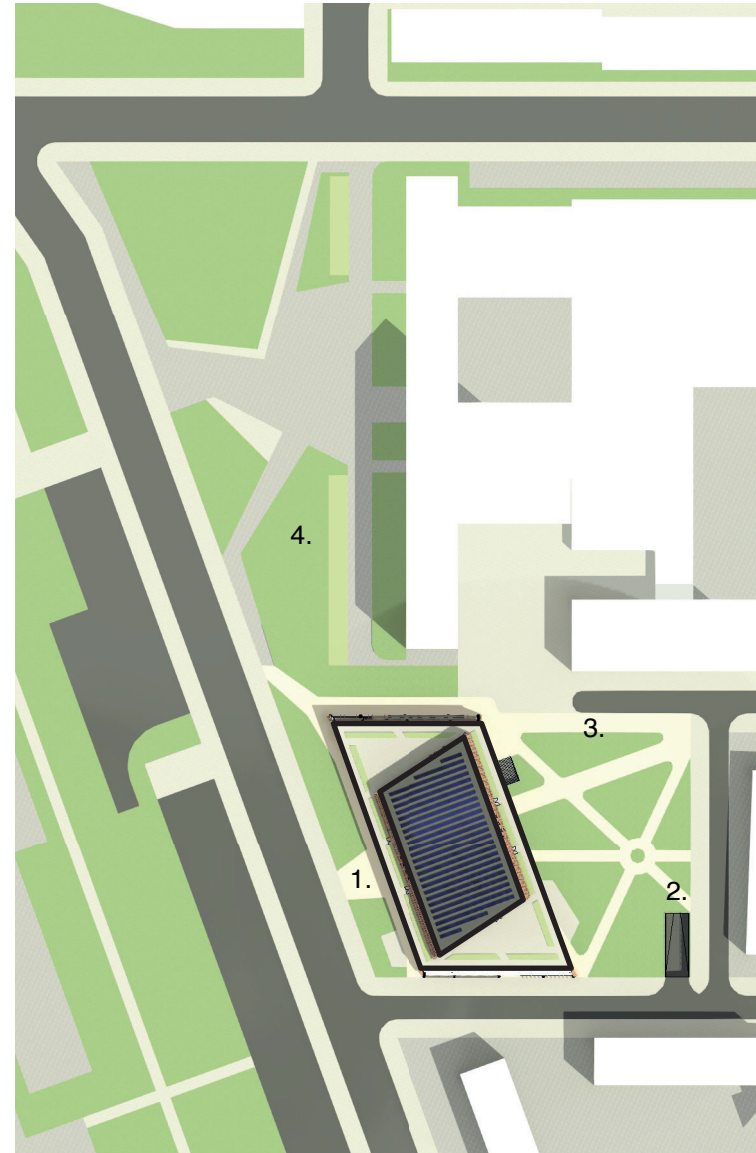
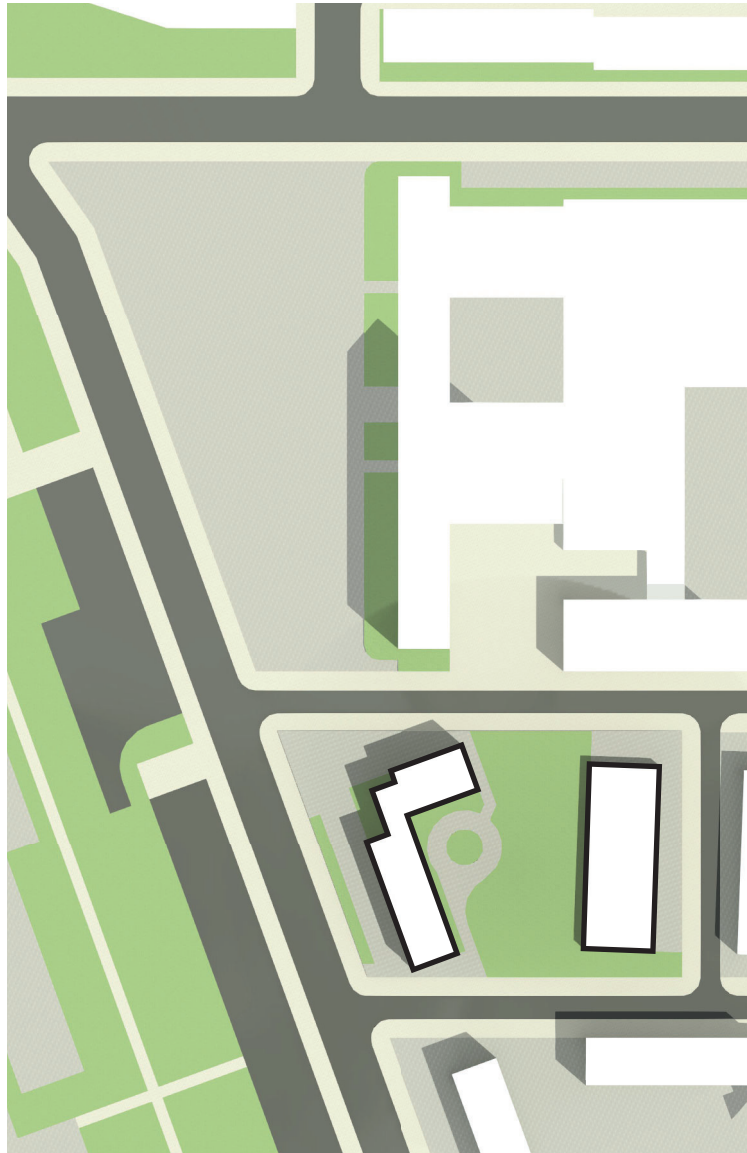
+



URBAN

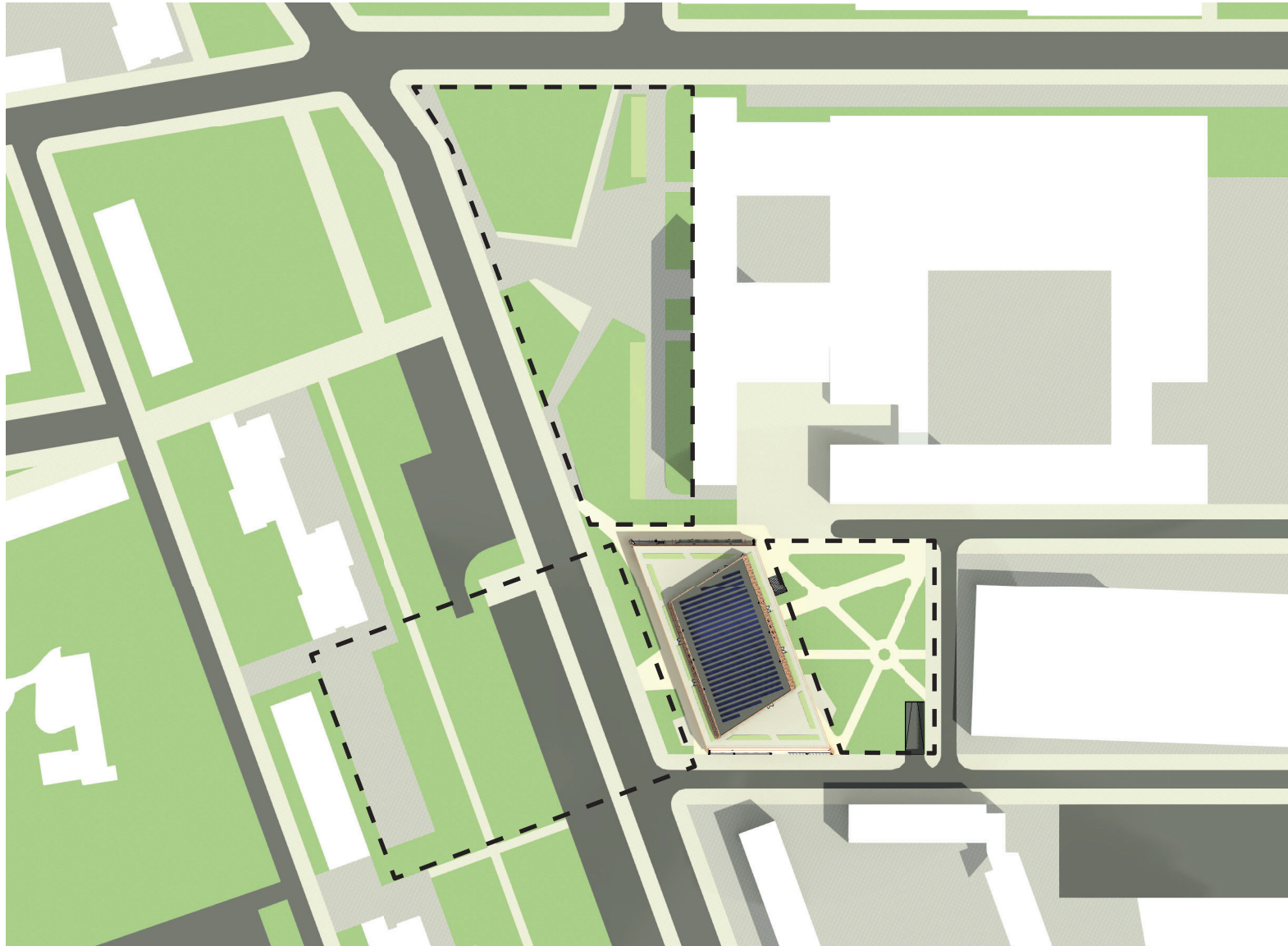
Site Comparison

Old vs. New 1:2.000



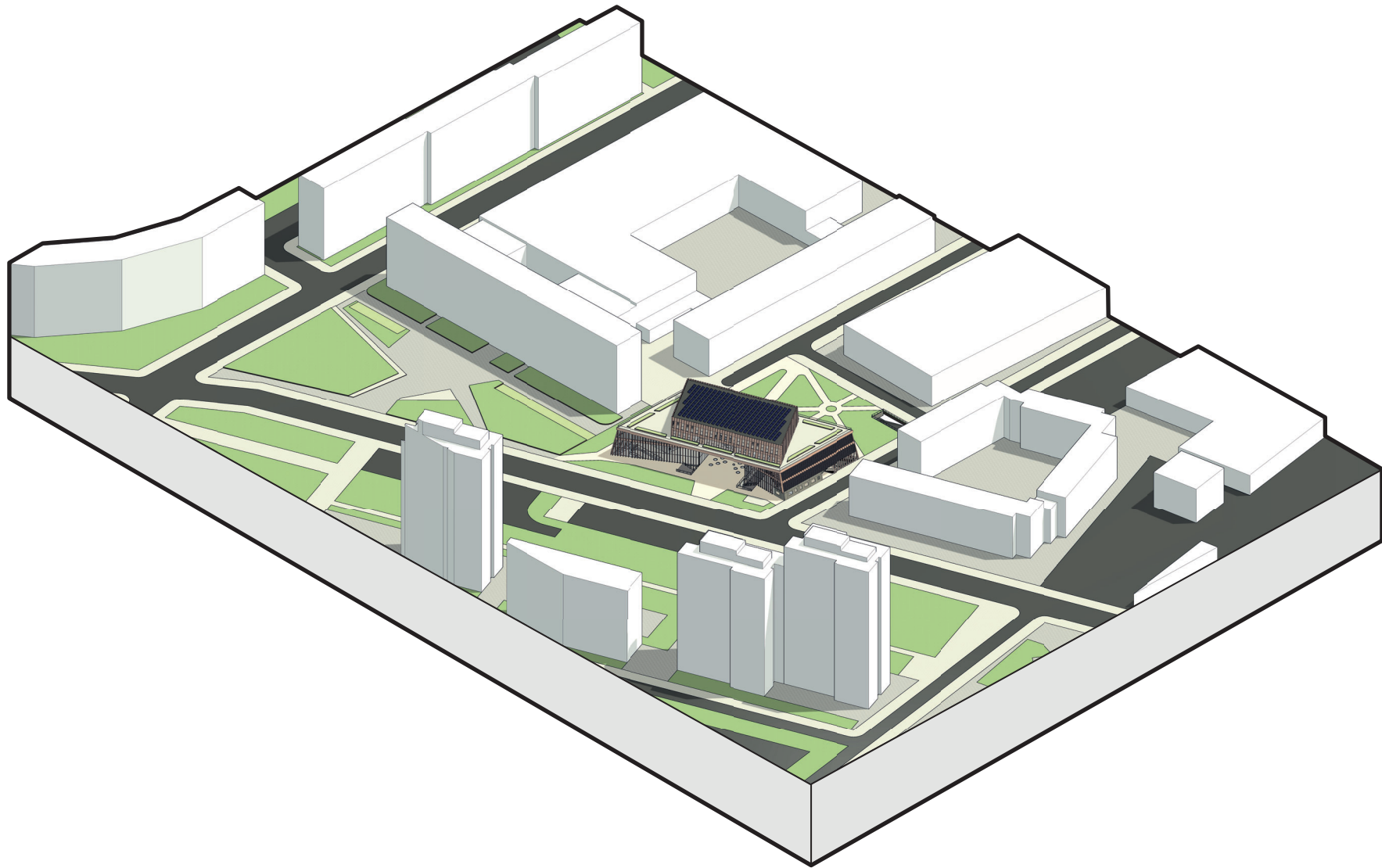
Placement on Site

Size Comparison 1:2.000



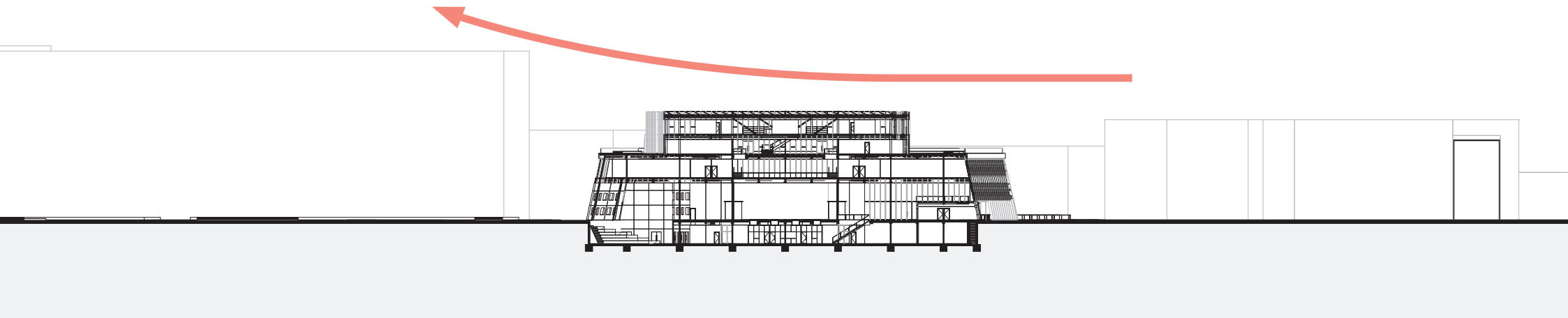
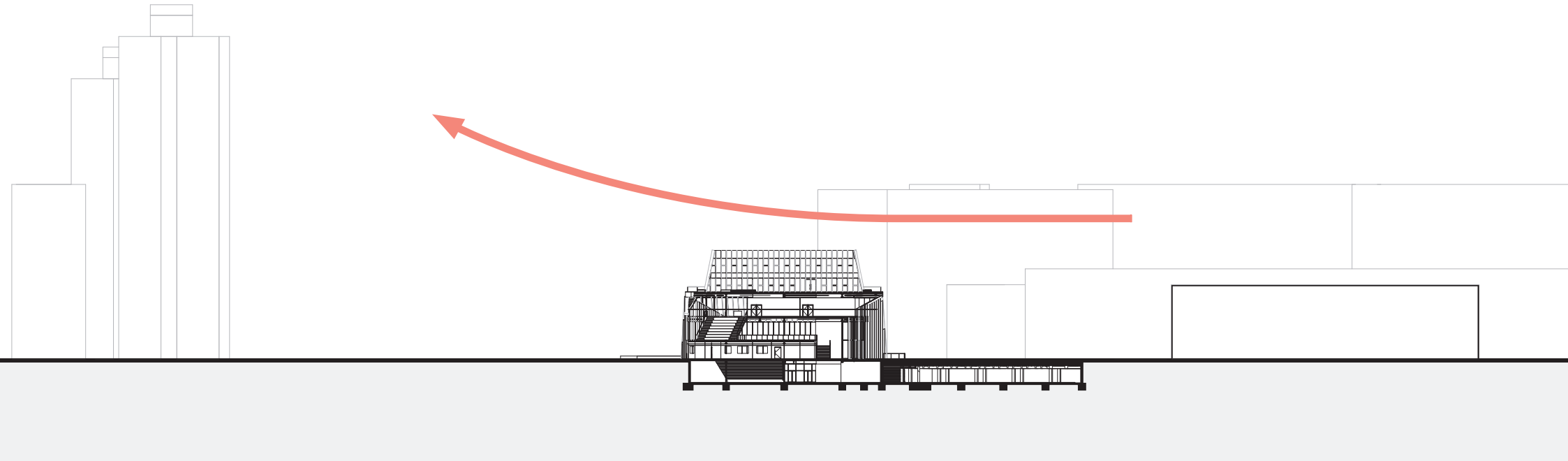
Placement on Site

Isometric view



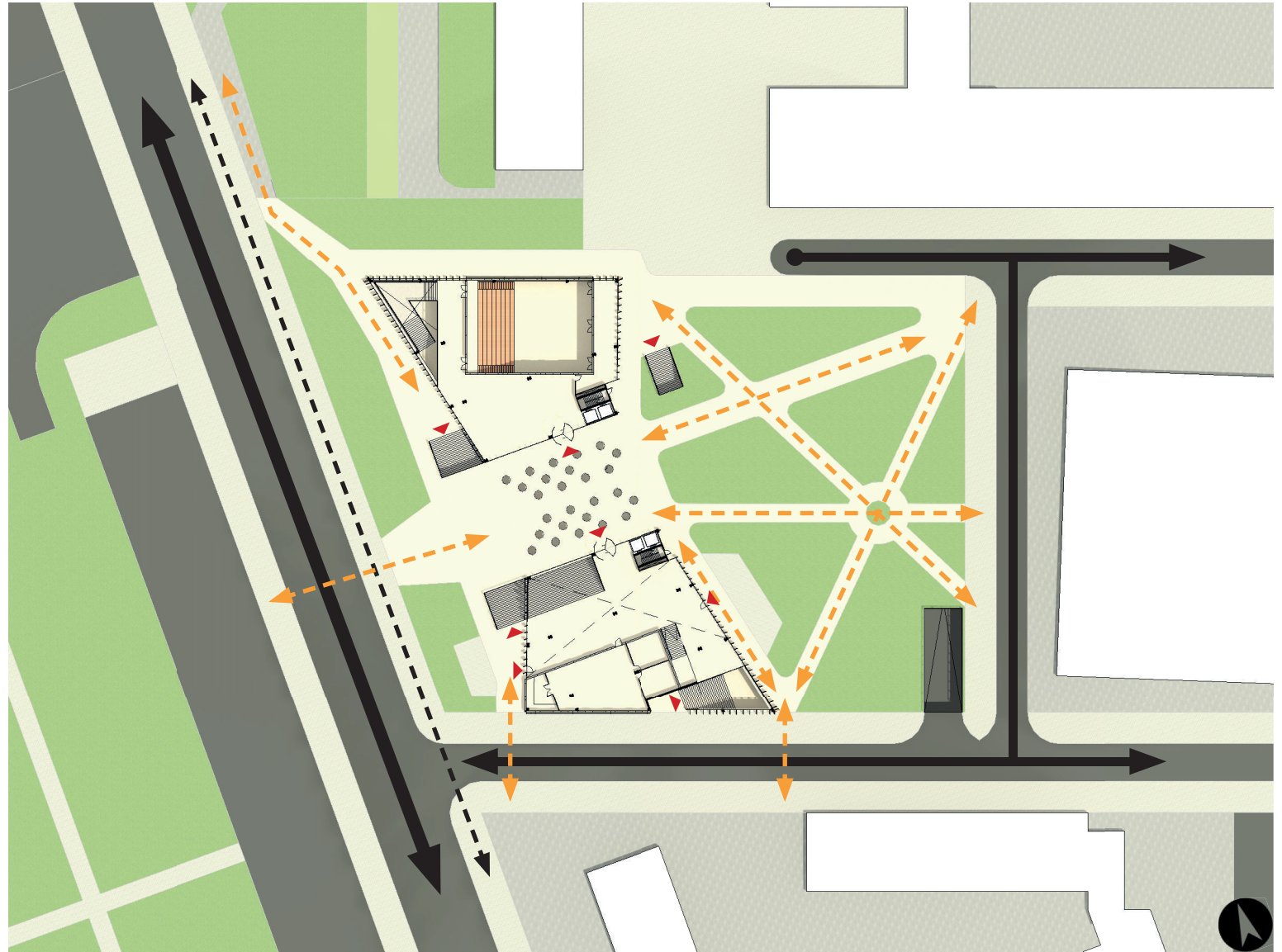
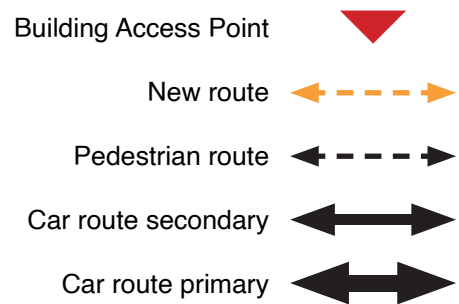
Sections

Urban 1:1.000



Site Plan

Accessibility 1:1.000



Building Approach

From Station



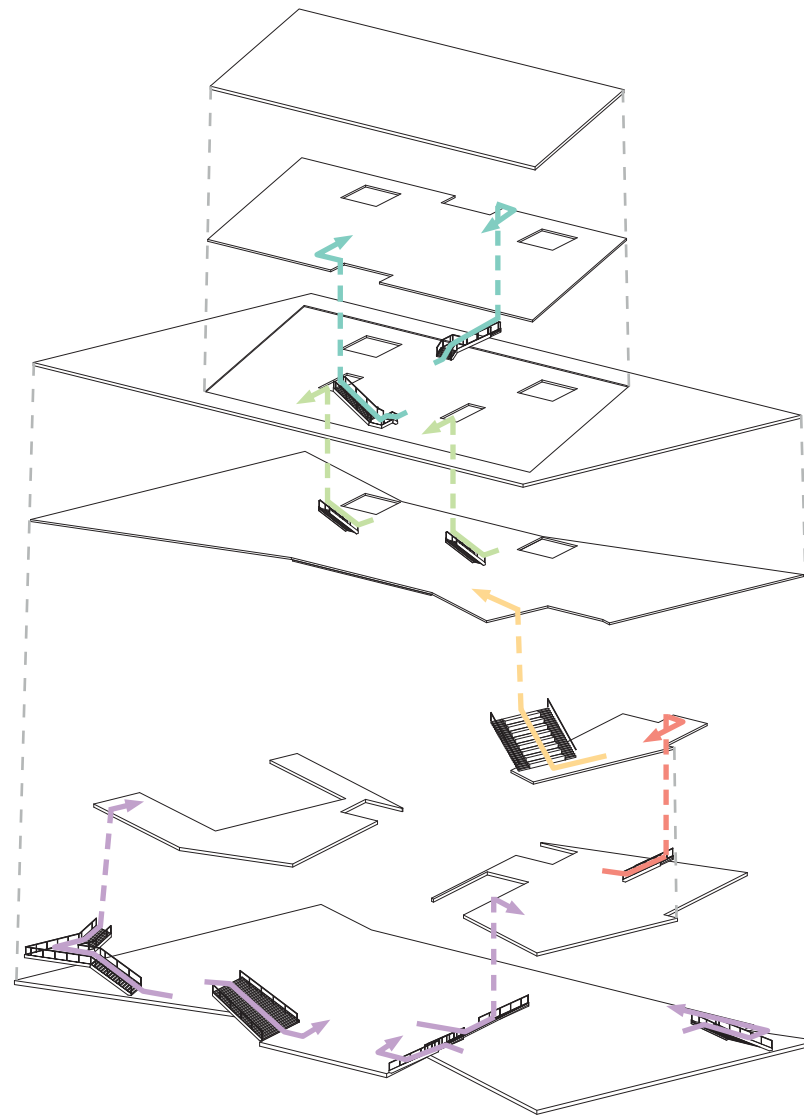
Building Approach

From Berghain



Routing

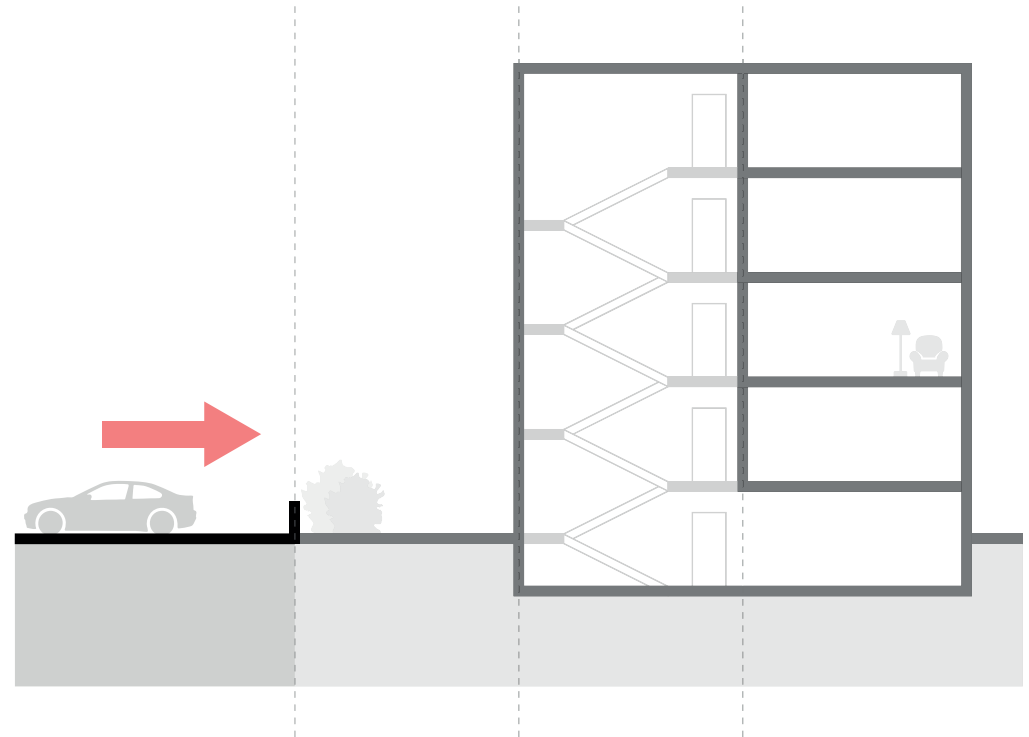
Axonomic



- Stairs Basement
- Stairs Level 0
- Stairs Level 1
- Stairs Level 2
- Stairs Level 3

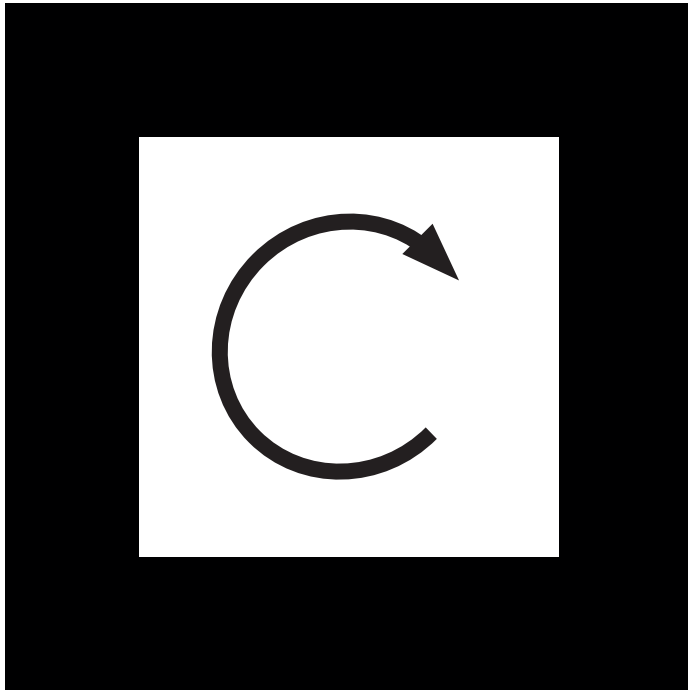
ZONE 1: THE SQUARE

Basement
Ground Floor
Level 1



Zone 1

Profile



Base elements:

<i>Realm:</i>	urban
<i>Construction material:</i>	steel
<i>Floor height:</i>	3500 mm
<i>Facade system:</i>	open-open
<i>Climate:</i>	mechanical

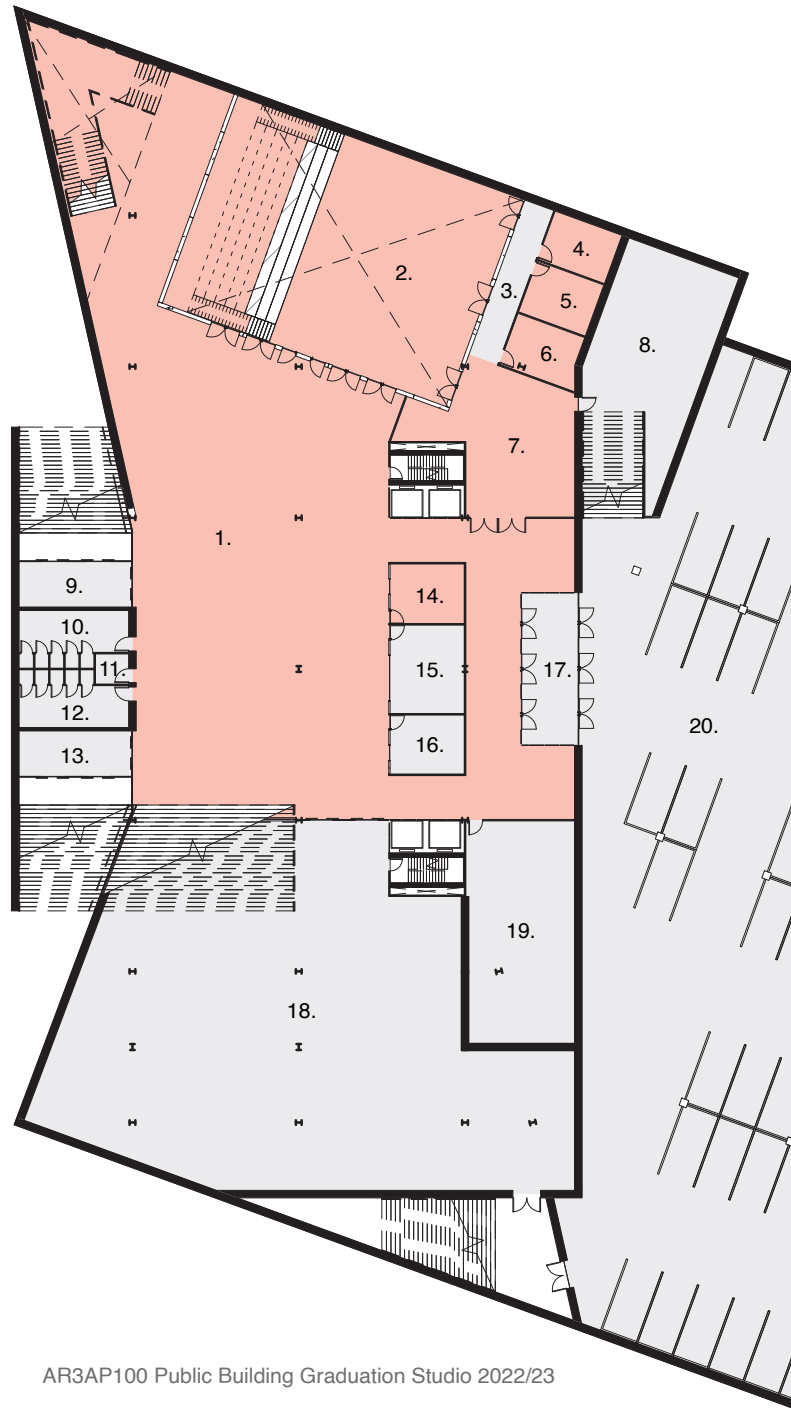
Interior:

<i>Identity:</i>	collective
<i>Openness:</i>	public
<i>Floor finish:</i>	clinkers
<i>Wall finish:</i>	concrete
<i>Layout:</i>	square

Basement

Floorplan 1:500

1. Foyer	852 m ²
2. Theatre	296 m ²
3. Hallway	22 m ²
4. Changing room	16 m ²
5. Changing room	17 m ²
6. Changing room	17 m ²
7. Storage	82 m ²
8. Mechanical room	123 m ²
9. Entrance	23 m ²
10. Toilets women	25 m ²
11. Disabled toilet	4 m ²
12. Toilets men	25 m ²
13. Entrance	23 m ²
14. Cloakroom	20 m ²
15. Back office	29 m ²
16. Storage	19 m ²
17. Entrance	38 m ²
18. Bicycle storage	649 m ²
19. Mechanical room	104 m ²
20. Parking (88 spaces)	2.472 m ²



- Social
- Experience
- Practice
- Community
- Learning
- Base

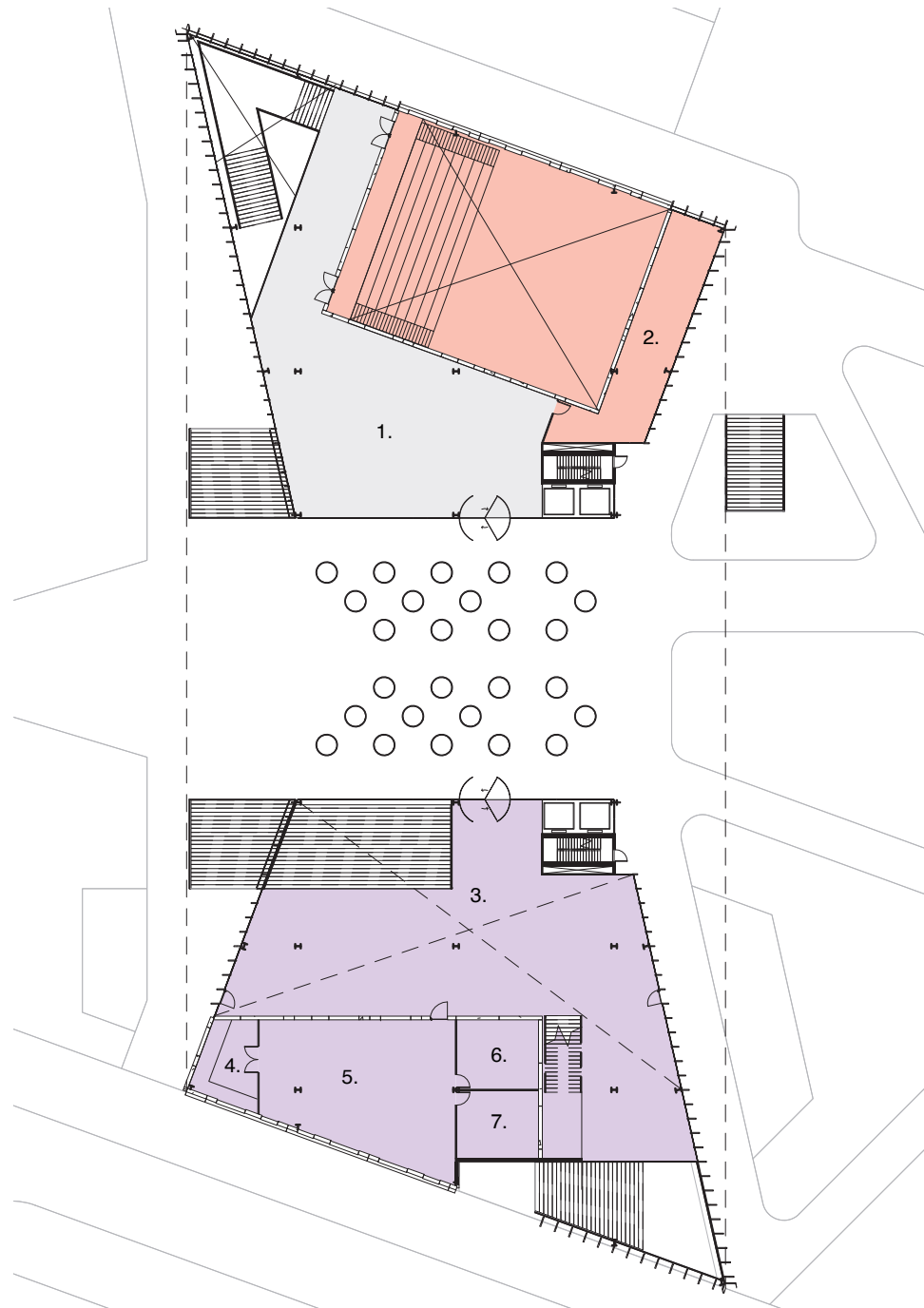
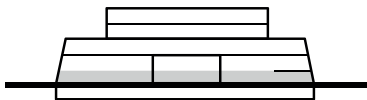


This architectural rendering depicts a spacious, modern interior, likely a transit hub or a public building. The ceiling is a light, neutral color, punctuated by several large, horizontally-oriented oval skylights that provide natural illumination. The floor is composed of light-colored rectangular tiles laid in a herringbone pattern. The walls are a mix of materials: a dark, textured stone or concrete finish on the main walls, and large, light-colored wooden doors or panels in the center background. To the right, there is a glass-walled enclosure, possibly an elevator or a service area. The space is populated with diverse people, suggesting a public or commercial environment. In the foreground, a man in a dark jacket is on the left, talking on a mobile phone. A woman in a red jacket walks away from the camera. In the center, a man in a dark jacket and a woman in a brown jacket walk towards the camera. To the right, a woman in a light-colored coat pulls a pink and white plaid suitcase. Further right, two women in business attire are standing near a wall, one looking at a tablet. In the background, a man is walking up a set of stairs, and another man is pushing a bicycle. The overall atmosphere is clean, bright, and functional.

Ground Floor

Floorplan 1:500

1. Hallway	306 m ²
2. Exhibition space	72 m ²
3. Restaurant	405 m ²
4. Kitchen outdoor	24 m ²
5. Kitchen	127 m ²
6. Storage cool	27 m ²
7. Storage	27 m ²



- Social
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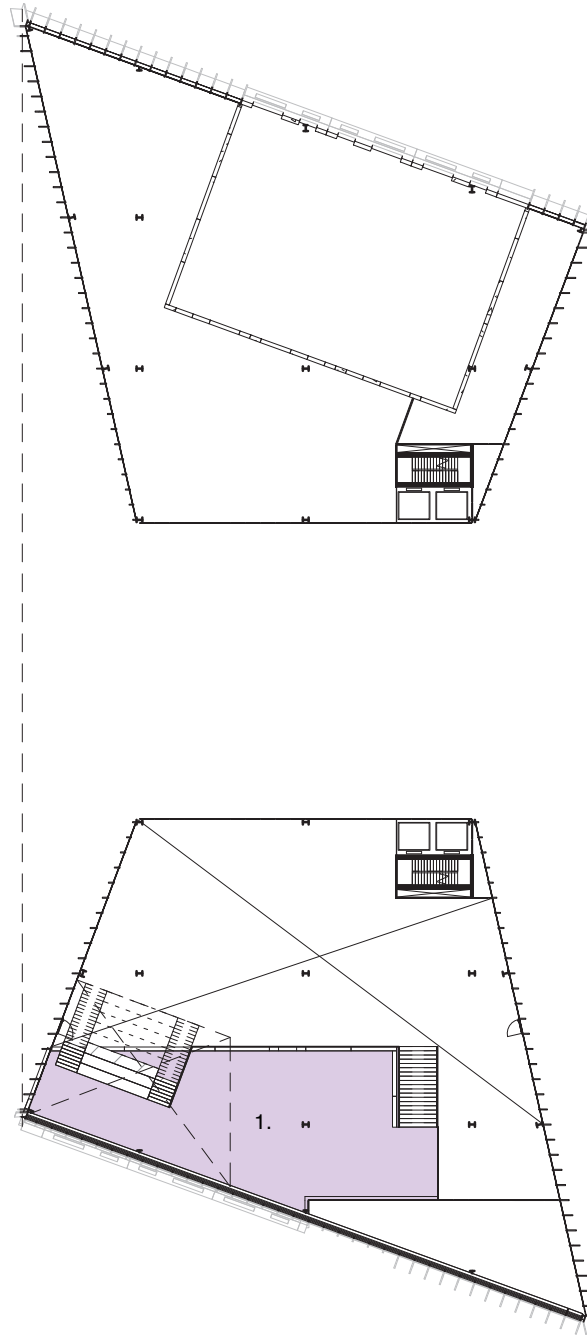
Ground Floor

Impression



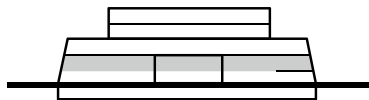
Level 1

Floorplan 1:500



1. Restaurant

219 m²



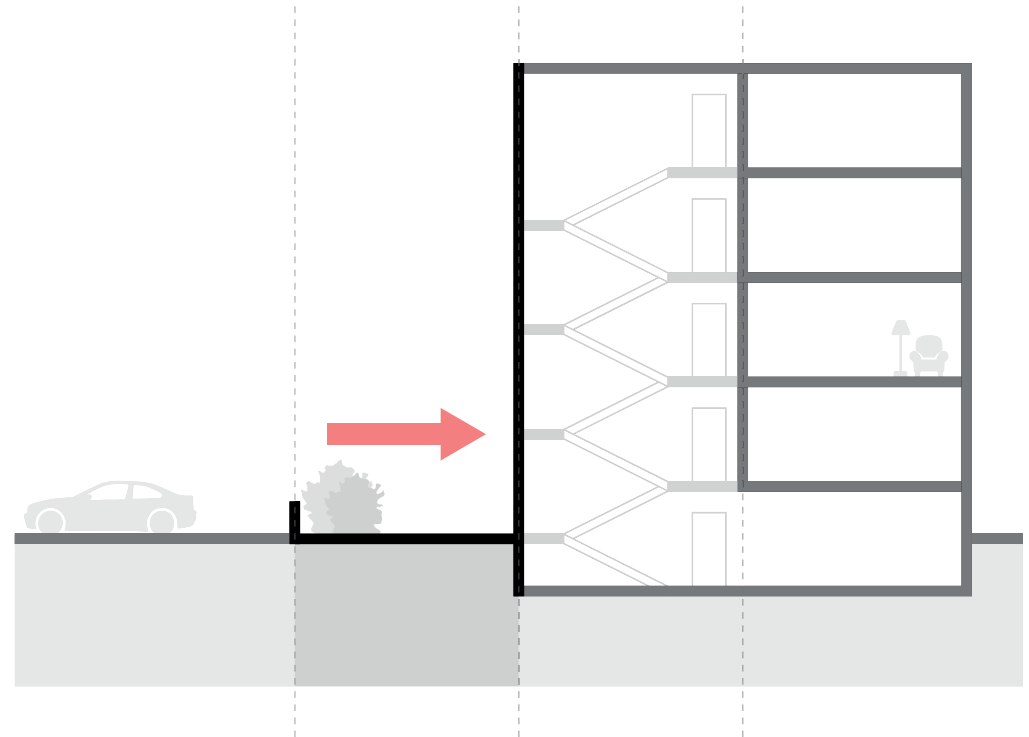
Level 1

Impression



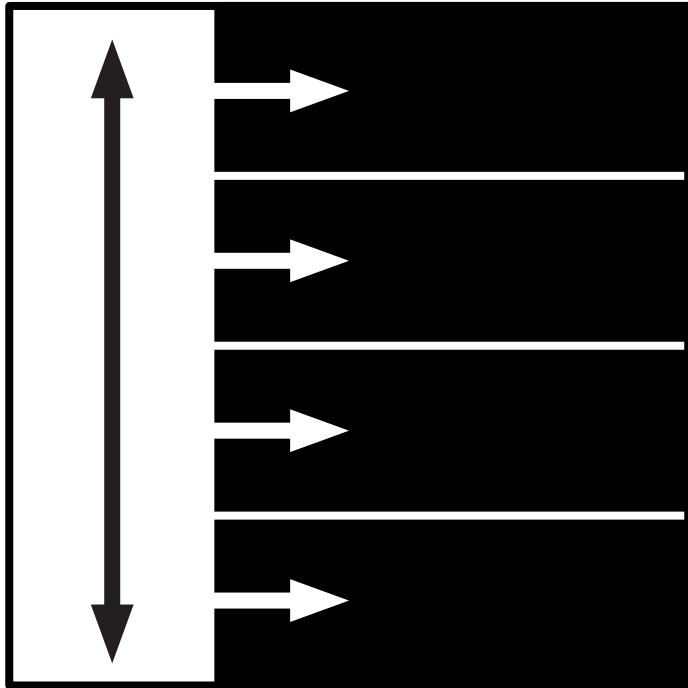
ZONE 2: THE YARD

Level 2



Zone 2

Profile



Base elements:

<i>Realm:</i>	urban
<i>Construction material:</i>	steel
<i>Floor height:</i>	3500 mm
<i>Facade system:</i>	open-open
<i>Climate:</i>	mechanical

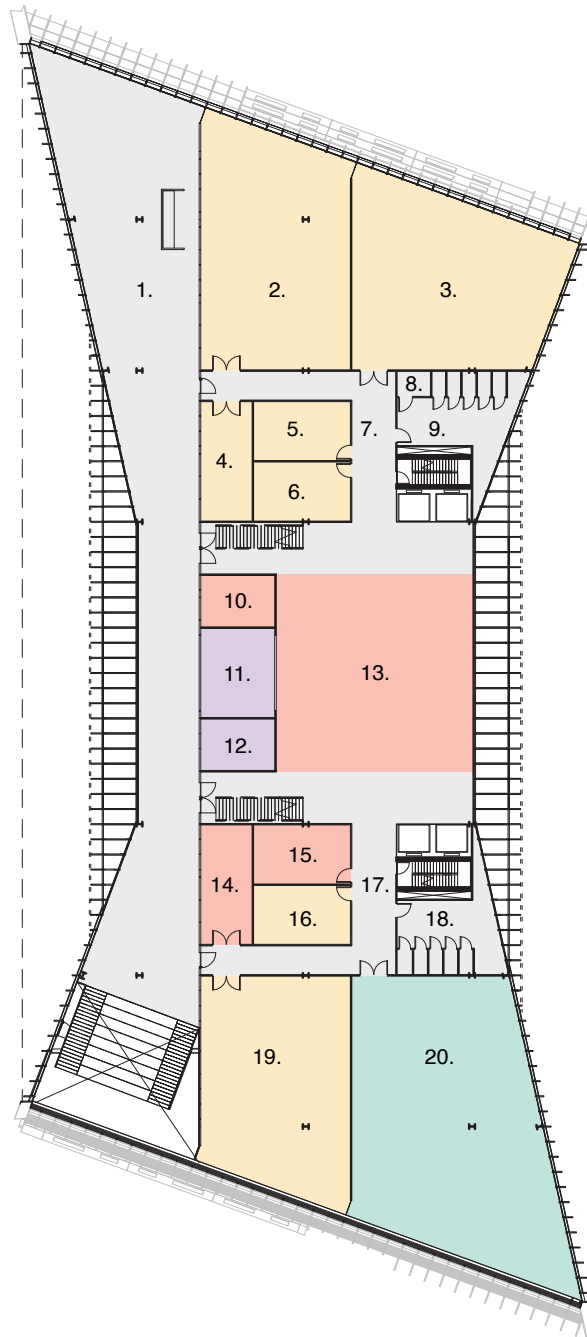
Interior:

<i>Identity:</i>	semi-collective
<i>Openness:</i>	semi-public
<i>Floor finish:</i>	linoleum
<i>Wall finish:</i>	wood & stone
<i>Layout:</i>	front yard

Level 2

Floorplan 1:500

1. Hallway	384 m ²
2. Fitness room	159 m ²
3. Yoga dance studio	157 m ²
4. Storage	27 m ²
5. Changing room	25 m ²
6. Changing room	25 m ²
7. Halway	110 m ²
8. Disabled toilet	4 m ²
9. Toilets men	40 m ²
10. Cloakroom	17 m ²
11. Bar	29 m ²
12. Storage	17 m ²
13. Comedy club	172 m ²
14. Storage	27 m ²
15. Changing room	25 m ²
16. Storage	25 m ²
17. Hallway	110 m ²
18. Toilets women	36 m ²
19. Recital hall	144 m ²
20. Workshop space	239 m ²

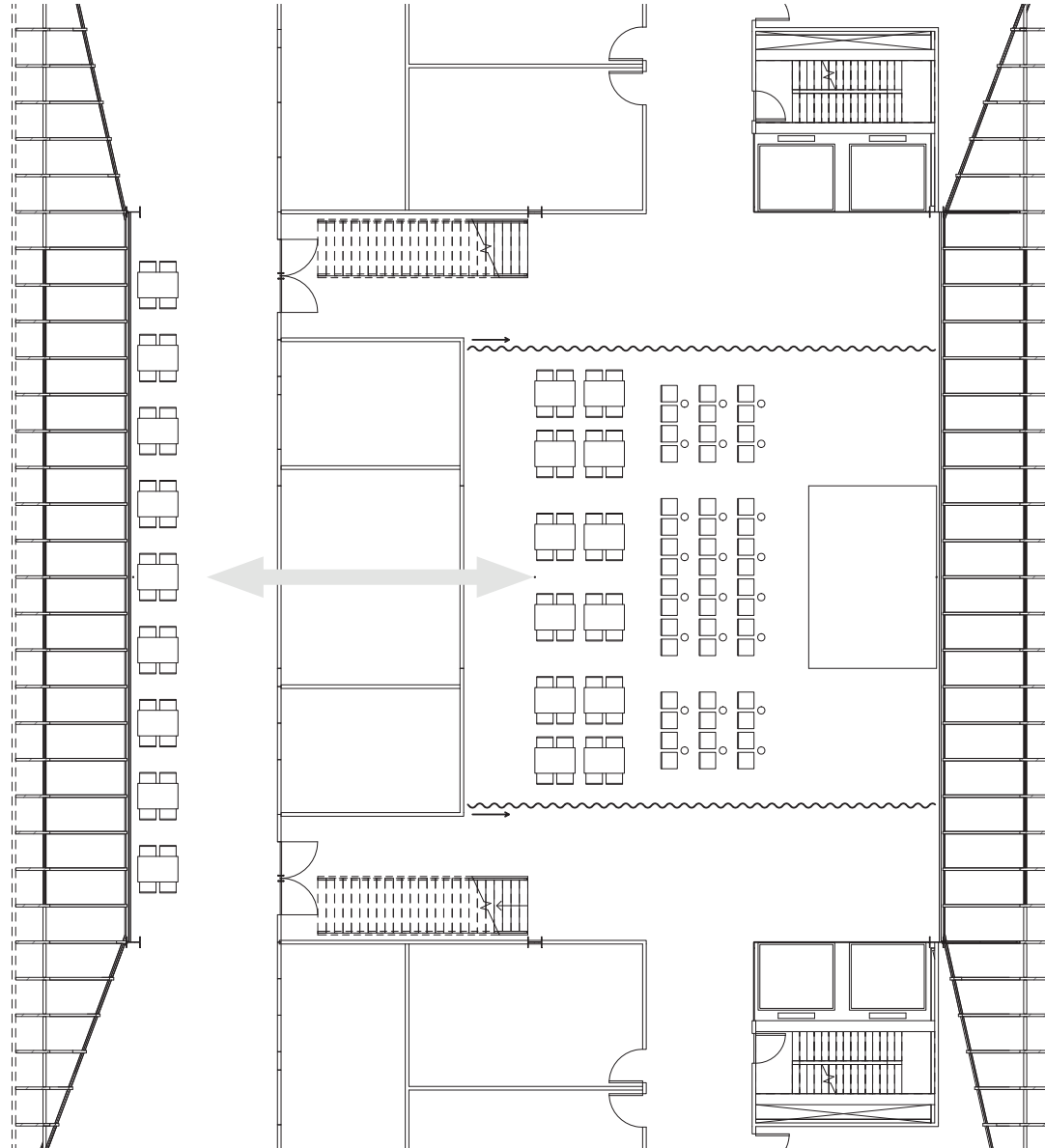


- Social
- Experience
- Practice
- Community
- Learning
- Base



Level 2

Floorplan Zoom-in



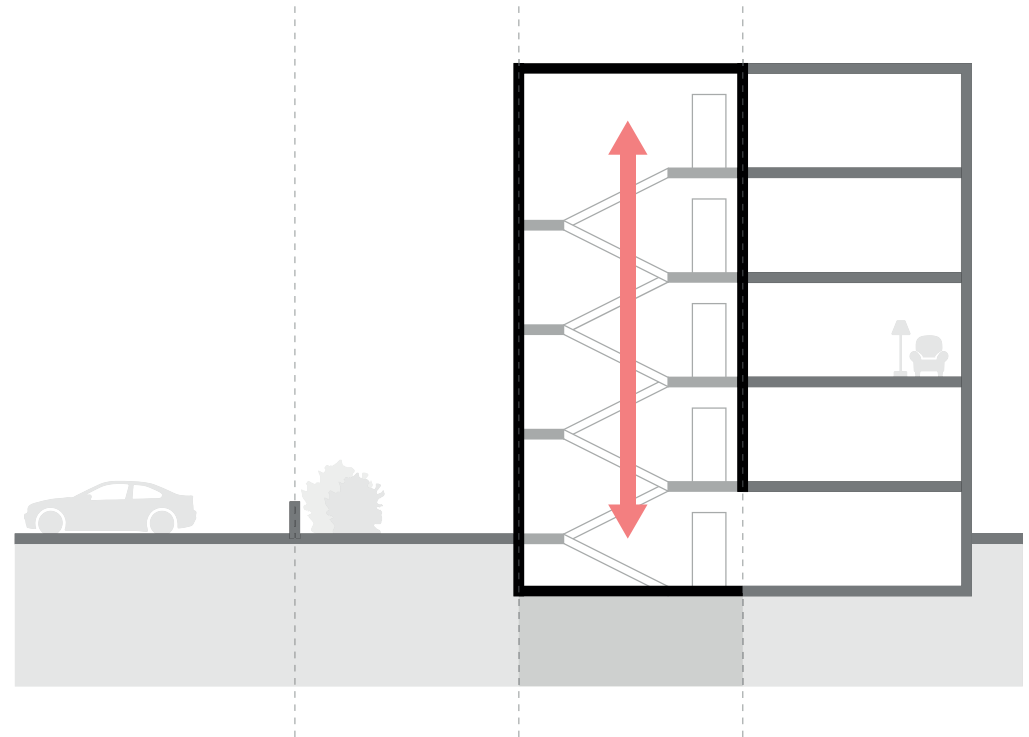
Level 2

Impression



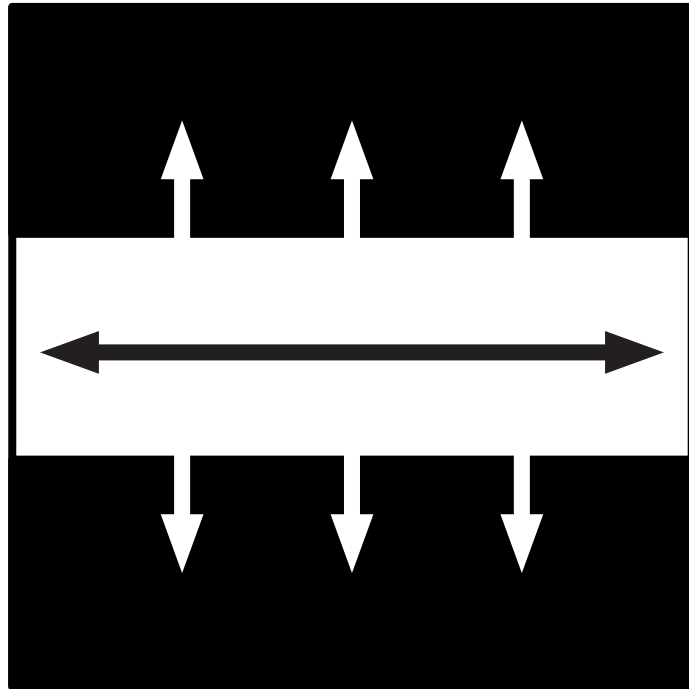
ZONE 3: THE LOBBY

Level 3



Zone 3

Profile



Base elements:

<i>Realm:</i>	domestic
<i>Construction material:</i>	glulam
<i>Floor height:</i>	2750 mm
<i>Facade system:</i>	open-closed
<i>Climate:</i>	openable windows

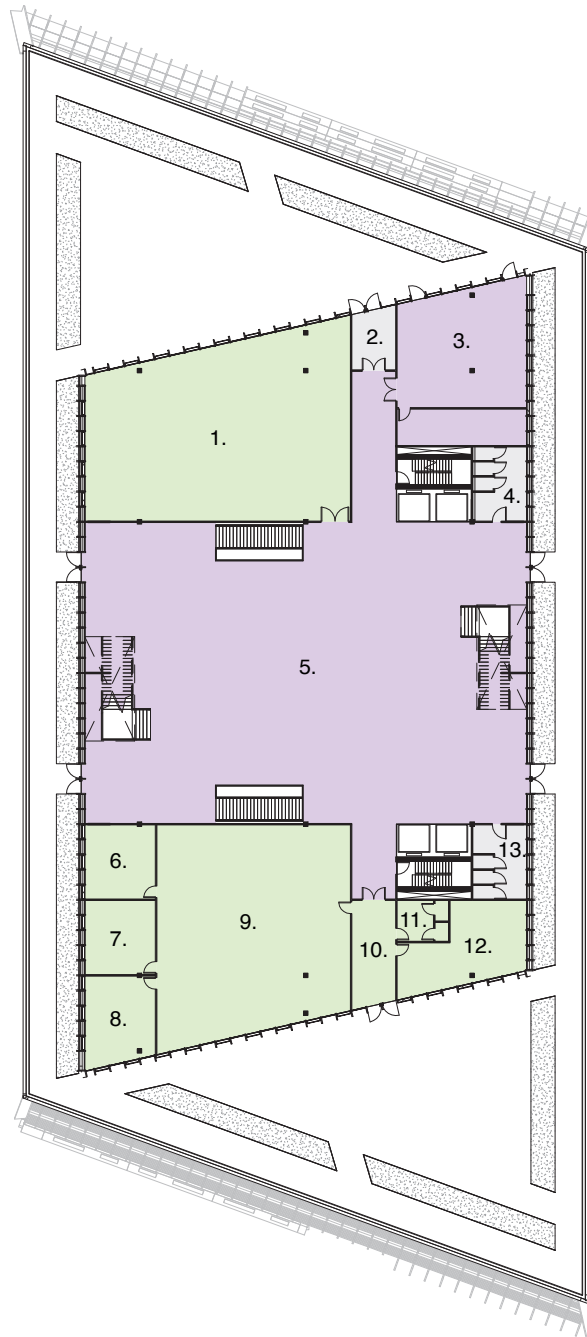
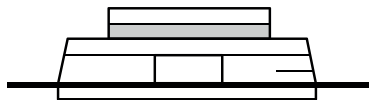
Interior:

<i>Identity:</i>	semi-individual
<i>Openness:</i>	semi-private
<i>Floor finish:</i>	parquet
<i>Wall finish:</i>	stucco
<i>Layout:</i>	street

Level 3

Floorplan 1:500

1. Community center	206 m ²
2. Hallway	12 m ²
3. Coffee corner	91 m ²
4. Toilets men	18 m ²
5. Computer and Game area	606 m ²
6. Storage	24 m ²
7. Kitchen	24 m ²
8. Back office	28 m ²
9. Daycare	176 m ²
10. Hallway	20 m ²
11. Toilets daycare	9 m ²
12. Daycare bedroom	39 m ²
13. Toilets women	18 m ²



- Social
- Experience
- Practice
- Community
- Learning
- Base



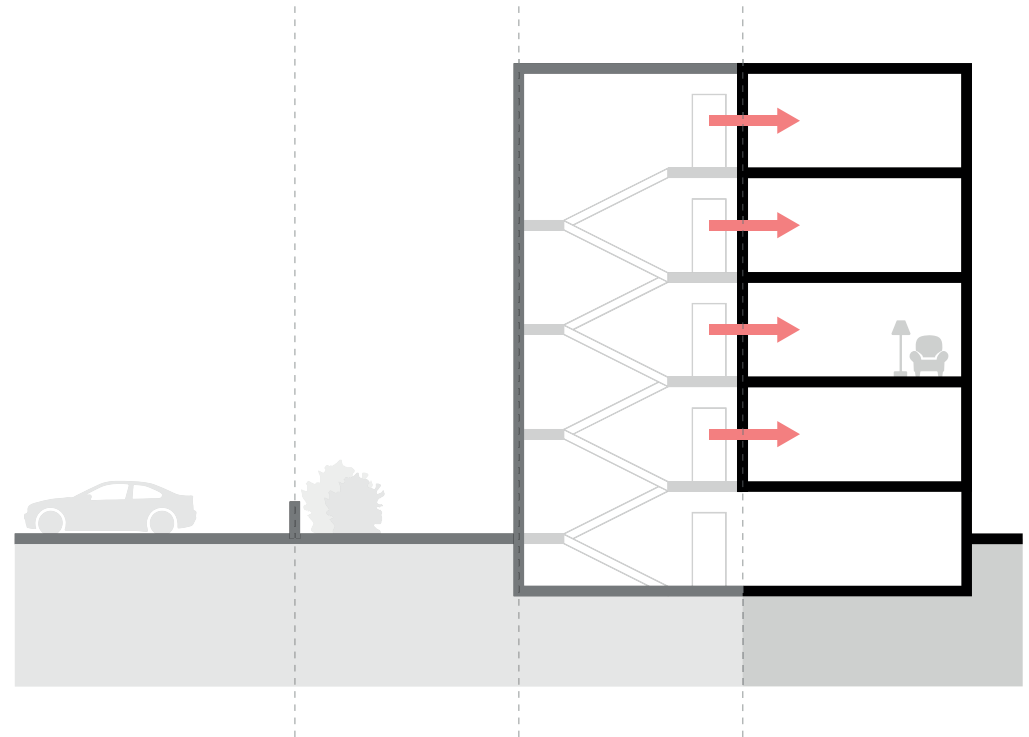
Level 3

Impression



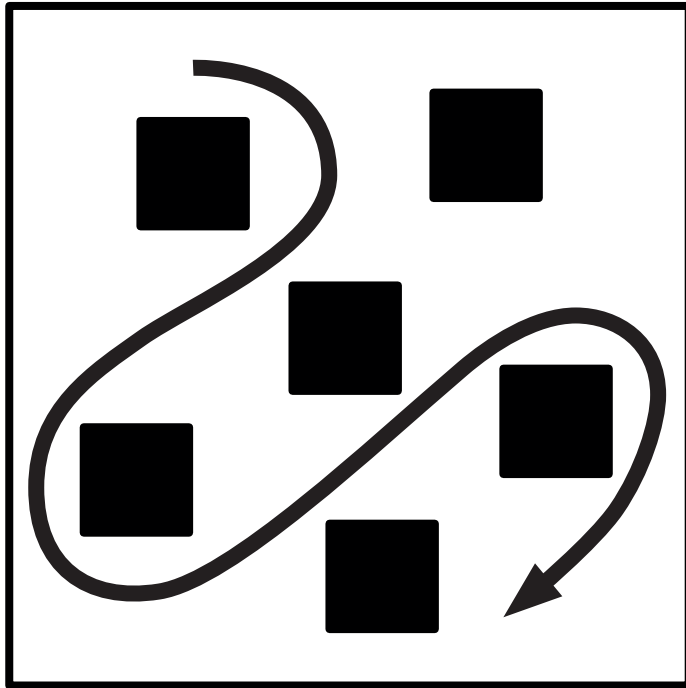
ZONE 4: THE LIVING ROOM

Level 4



Zone 4

Profile



Base elements:

<i>Realm:</i>	domestic
<i>Construction material:</i>	glulam
<i>Floor height:</i>	2750 mm
<i>Facade system:</i>	open-closed
<i>Climate:</i>	openable windows

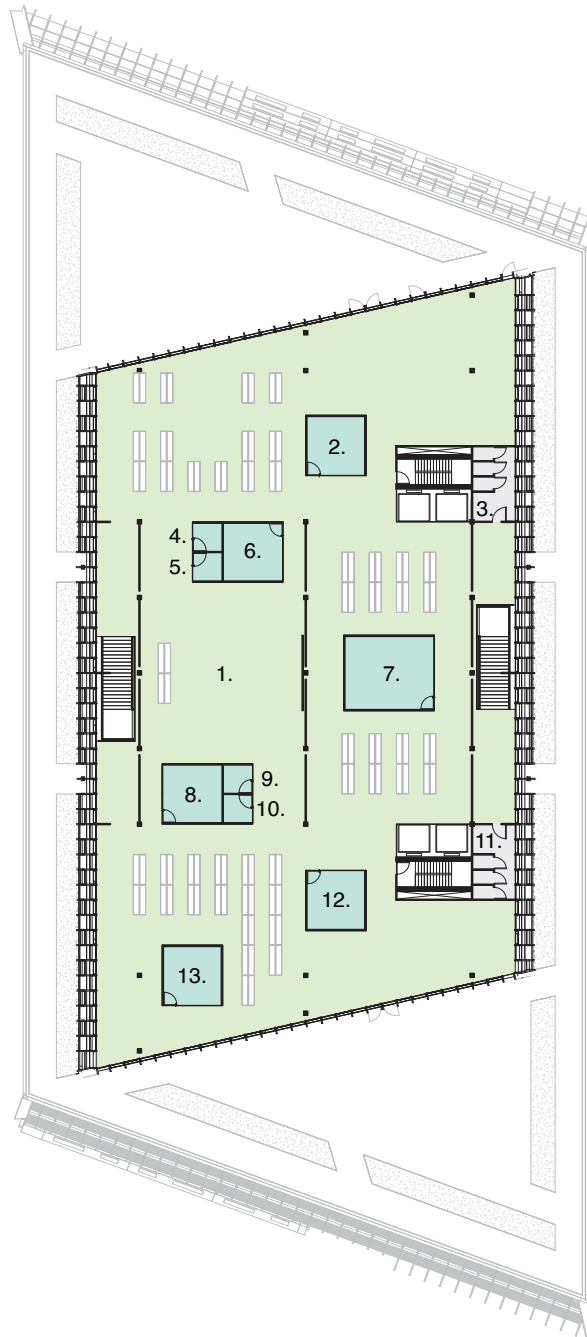
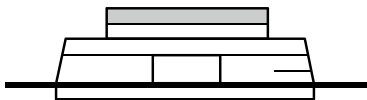
Interior:

<i>Identity:</i>	individual
<i>Openness:</i>	private
<i>Floor finish:</i>	carpet
<i>Wall finish:</i>	felt
<i>Layout:</i>	open floorplan

Level 4

Floorplan 1:500

1. Mediatheque	1049 m ²
2. Meeting room	15 m ²
3. Toilets men	15 m ²
4. Quiet room	4 m ²
5. Quiet room	4 m ²
6. Meeting room	15 m ²
7. Meeting room	28 m ²
8. Meeting room	15 m ²
9. Quiet room	4 m ²
10. Quiet room	4 m ²
11. Toilets women	15 m ²
12. Meeting room	15 m ²
13. Meeting room	15 m ²



- Social
- Experience
- Practice
- Community
- Learning
- Base



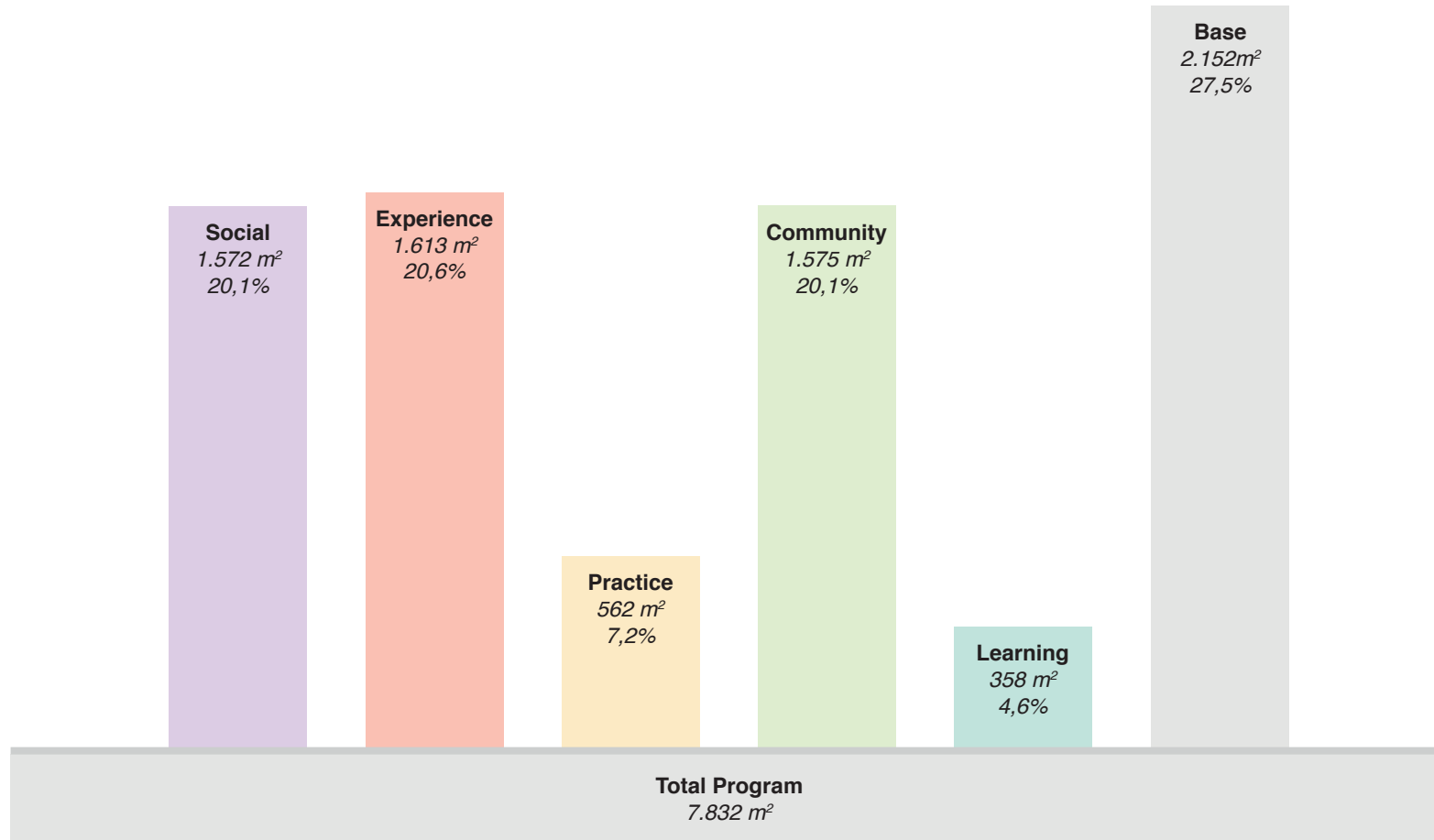
Level 4

Impression



Themes

Distribution



Zones

Overview

Base elements:

Realm:

Construction:

Floor height:

Facade system:

Climate:

SQUARE

YARD

LOBBY

LIVING ROOM

urban
steel
3500 mm
open-open
mechanical

domestic
glulam
2750 mm
open-closed
openable windows

Interior:

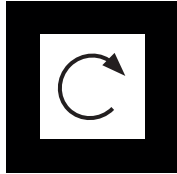
Identity:

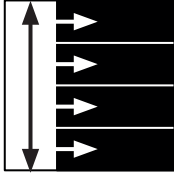
Openness:

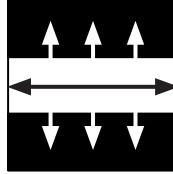
Floor finish:

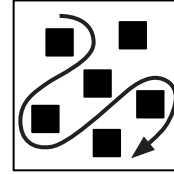
Wall finish:

Layout:

collective
public
clinkers
concrete
square


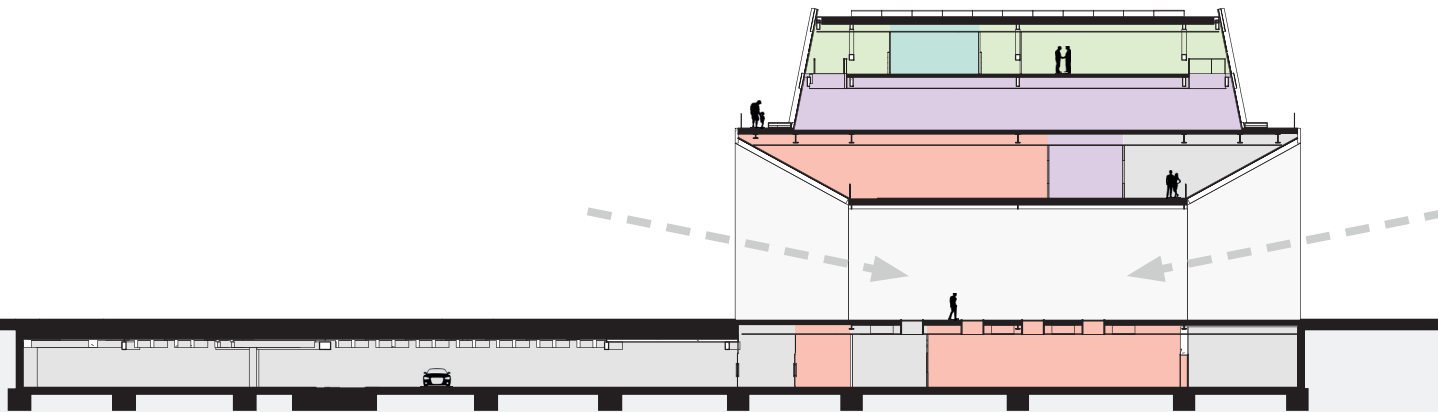
semi-collective
semi-public
linoleum
wood & stone
front yard


semi-individual
semi-private
parquet
stucco
street


individual
private
carpet
felt
open floorplan


Section

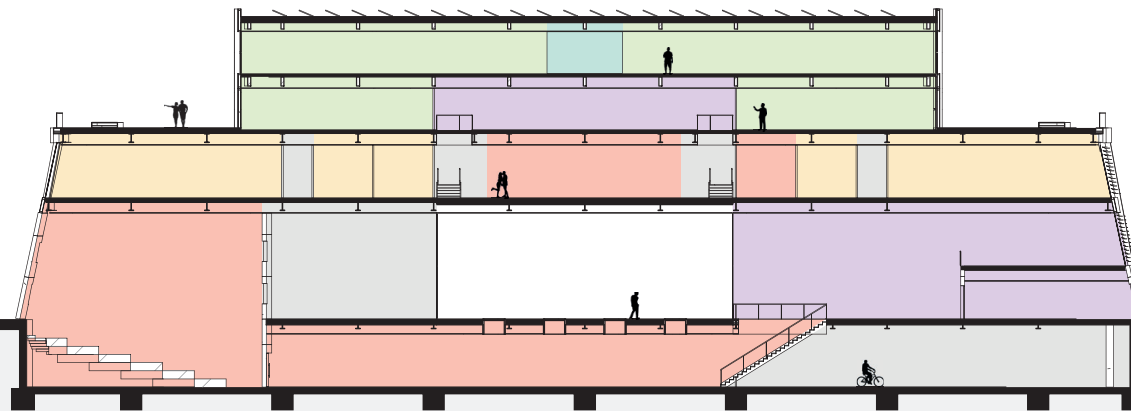
Broadwise 1:500



■ Social ■ Experience ■ Practice ■ Community ■ Learning ■ Base

Section

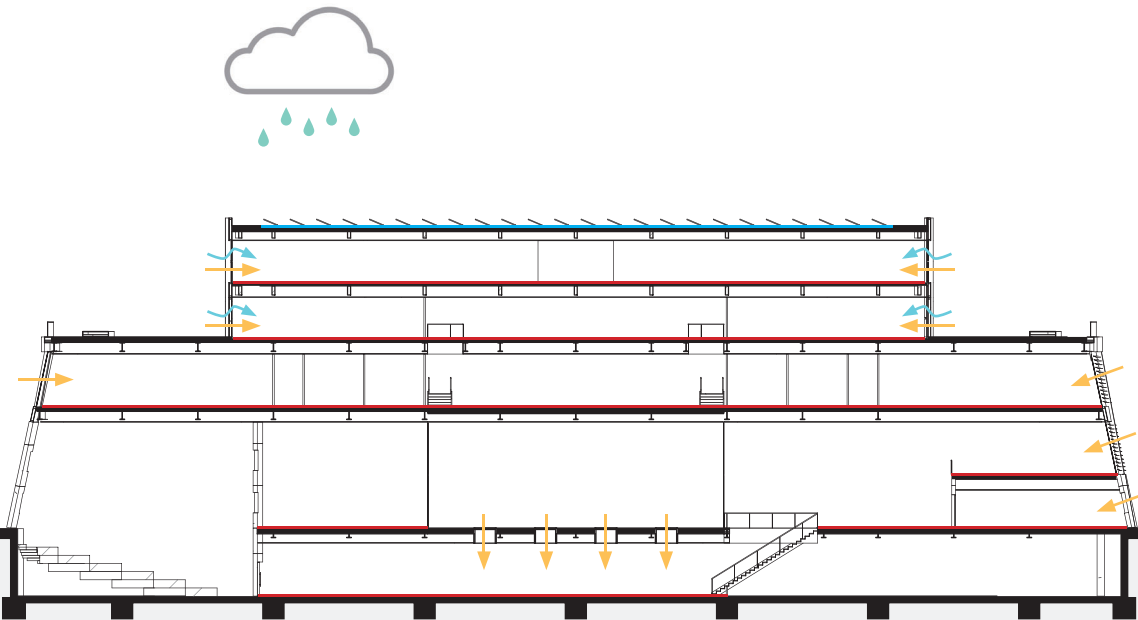
Longwise 1:500



■ Social ■ Experience ■ Practice ■ Community ■ Learning ■ Base

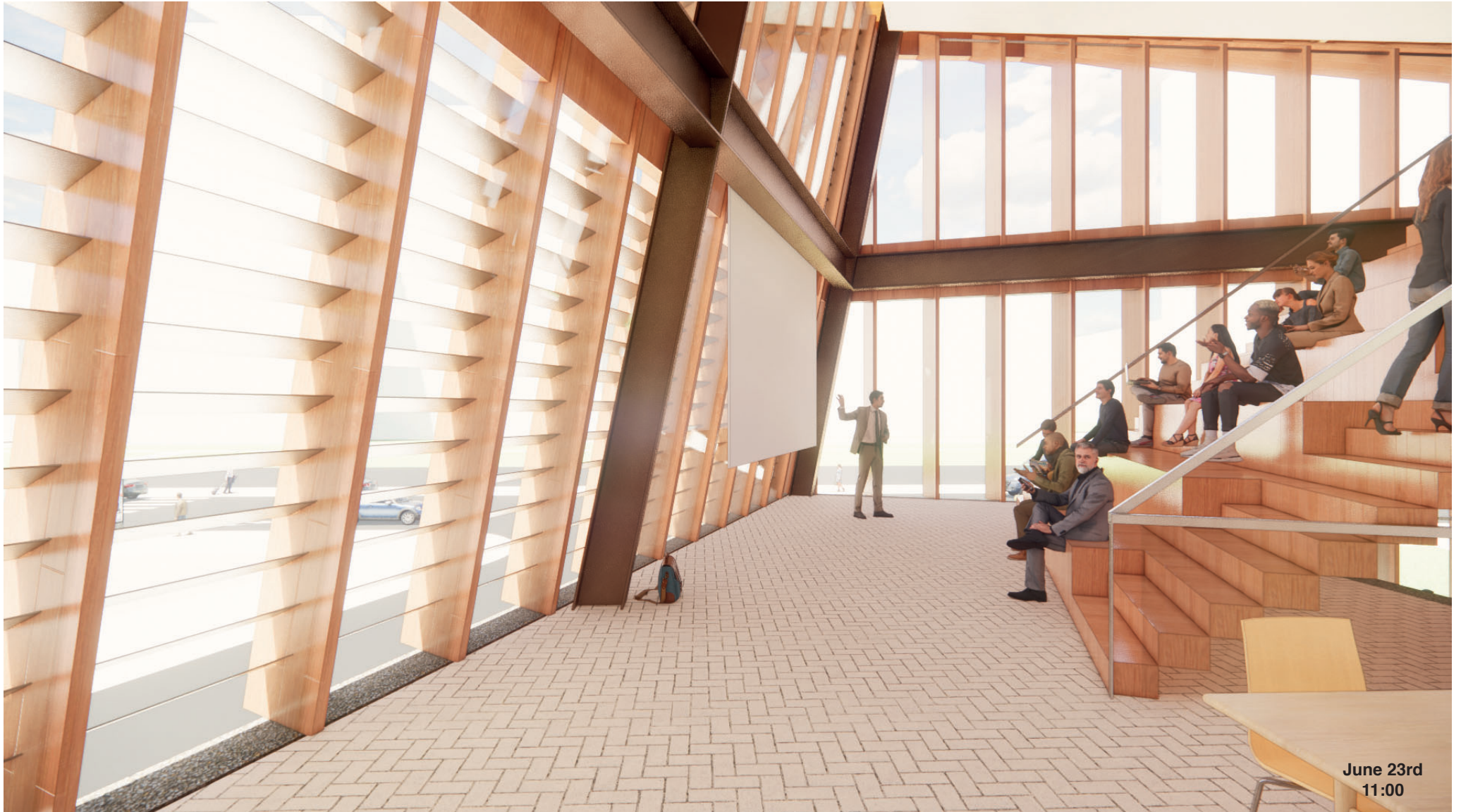
Climate

Section 1:500



Climate

Facade with shades



June 23rd
11:00

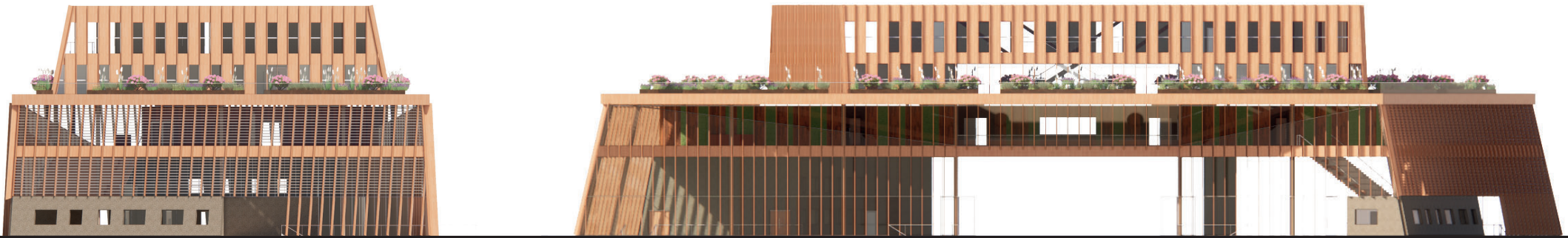
Climate

Facade without shades



Elevation

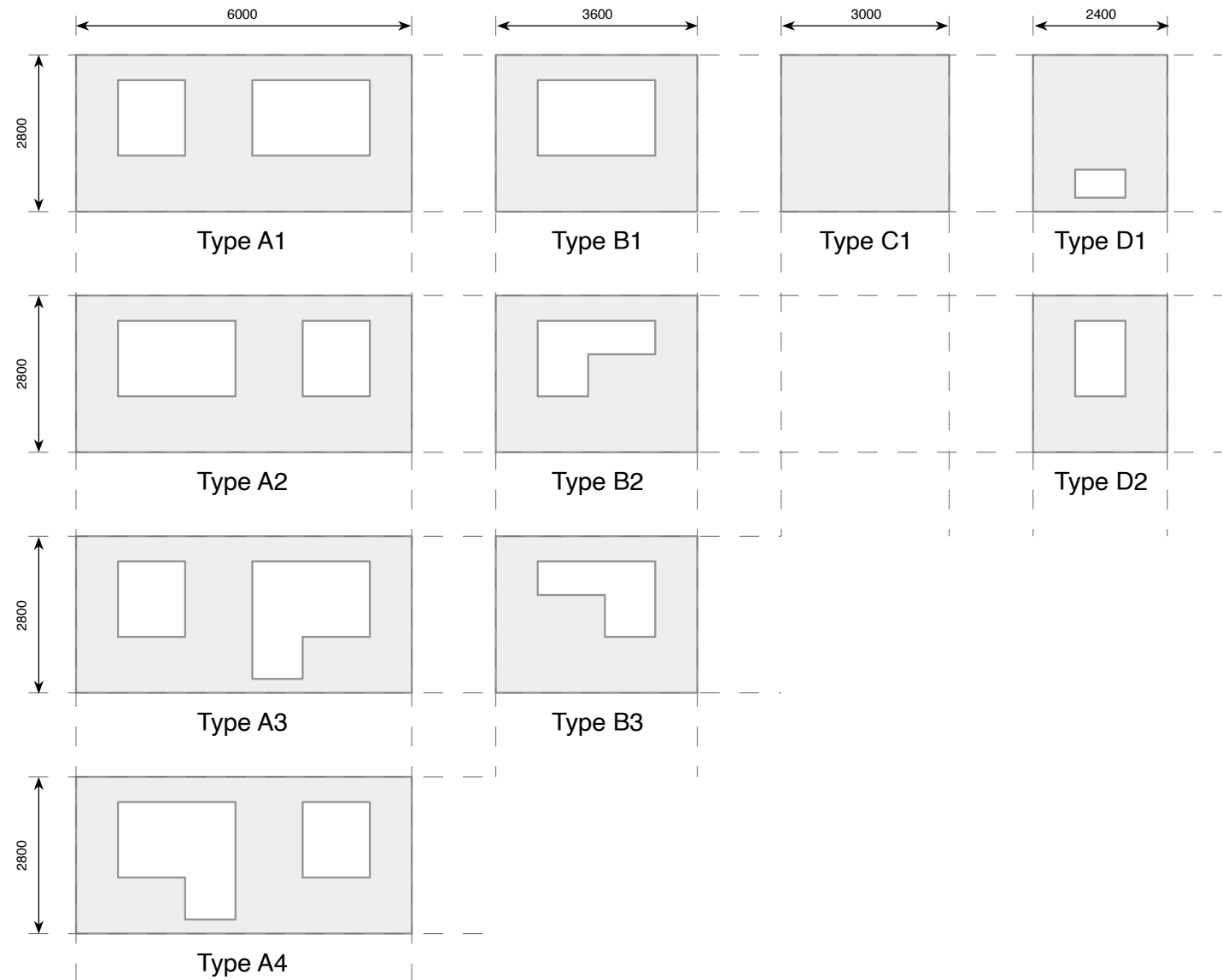
South and West Facade 1:500



Reuse

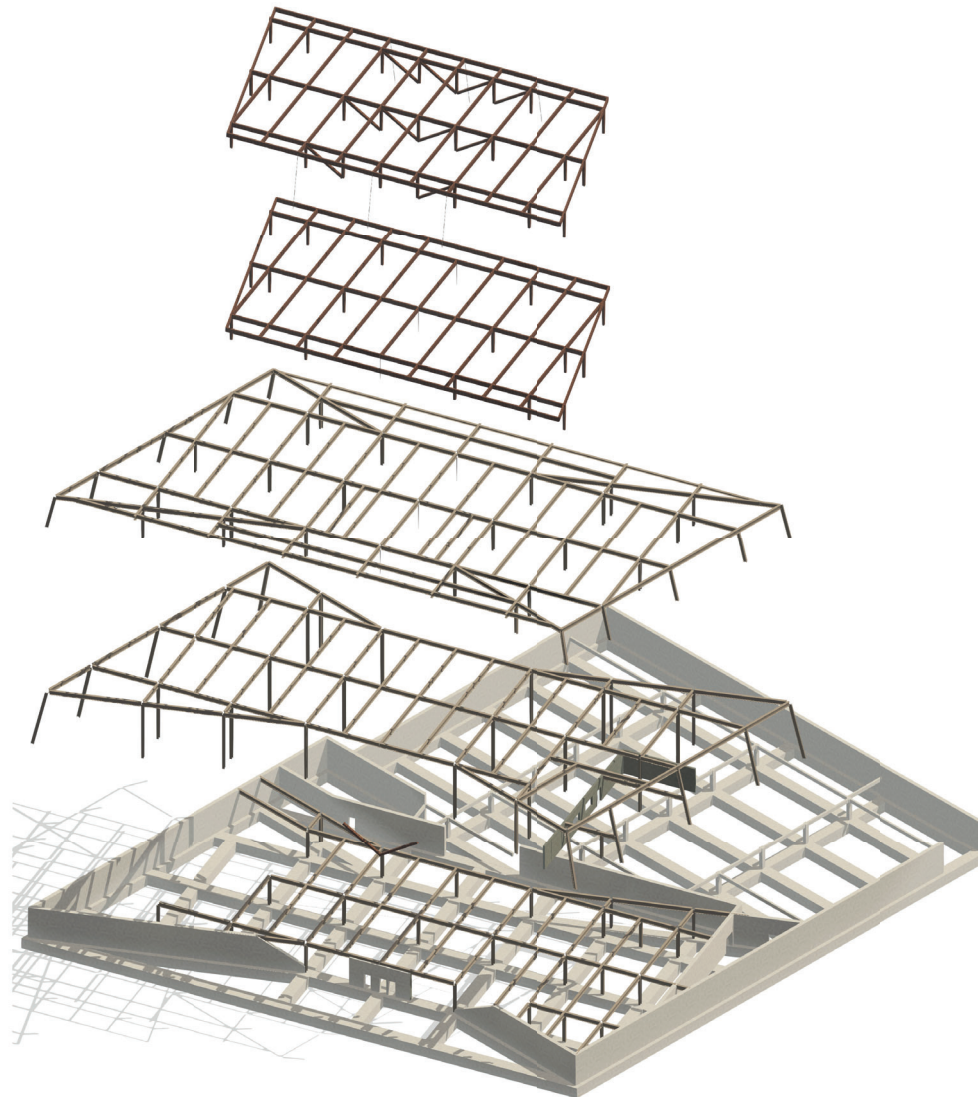
Existing Building Parts

Type	Existing	Reusing
A1	30	10
A2	6	6
A3	24	0
A4	18	0
B1	6	2
B2	18	0
B3	18	0
C1	78	27
D1	30	0
D2	30	0
Floorplate (12x6m)	80	80



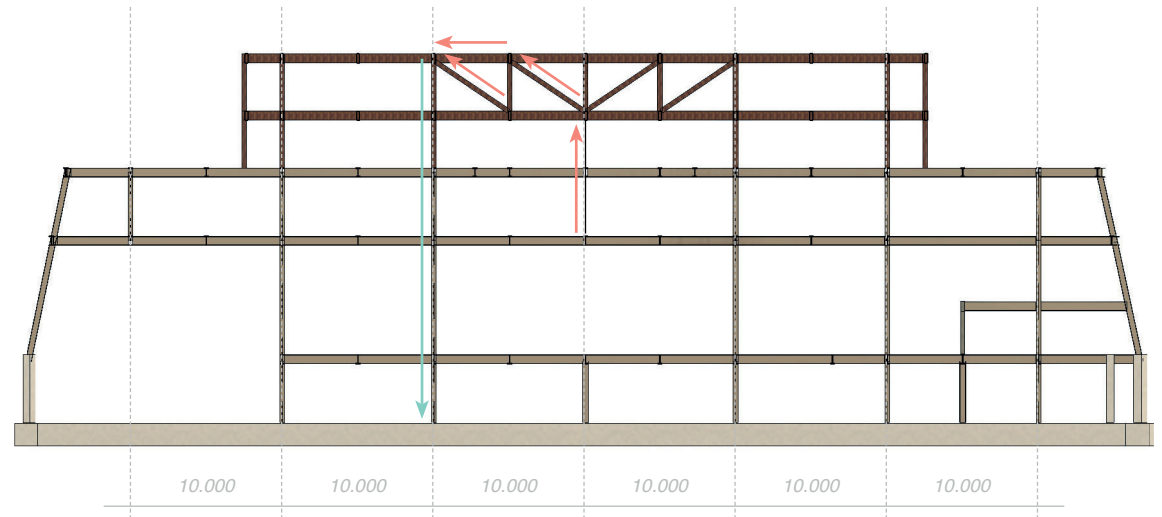
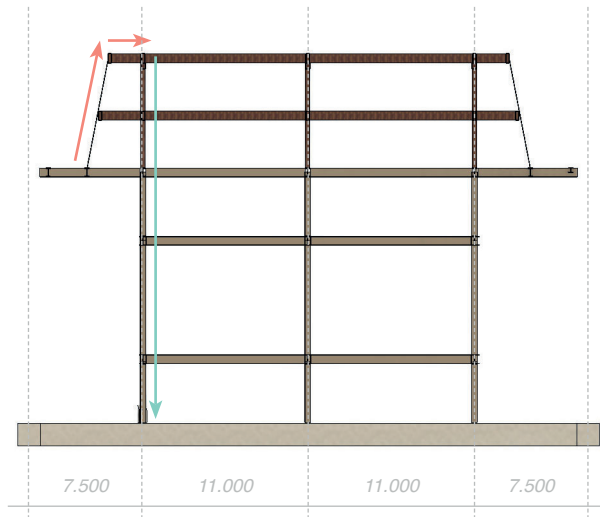
Construction

Exploded view



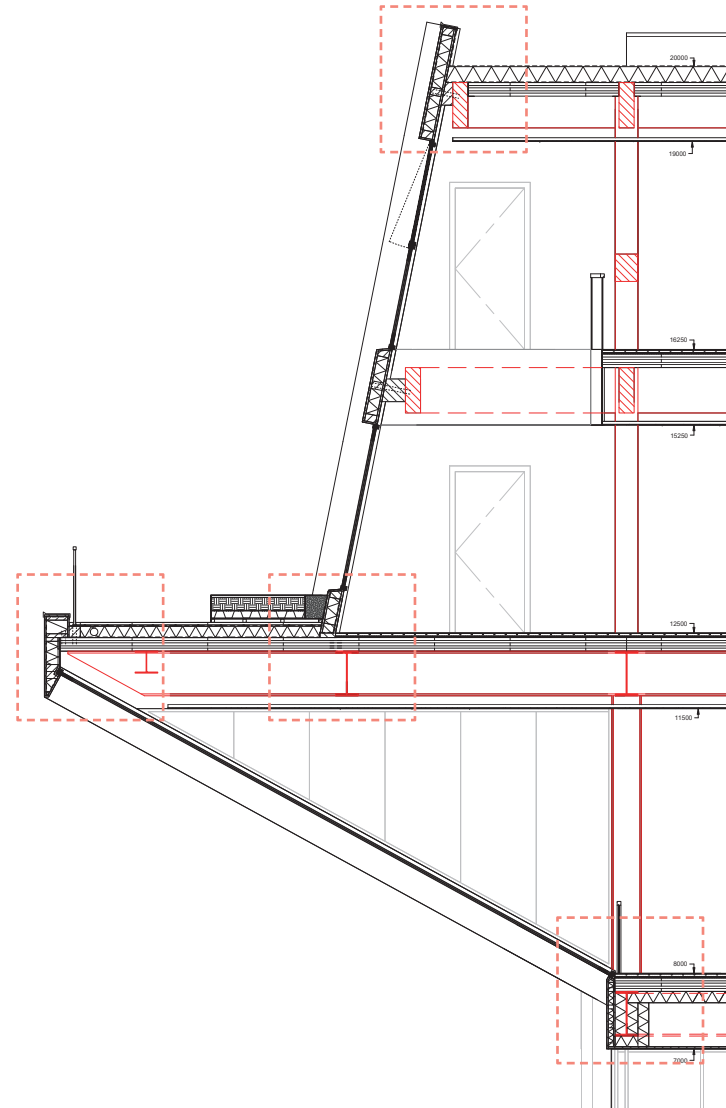
Construction

Section 1:500



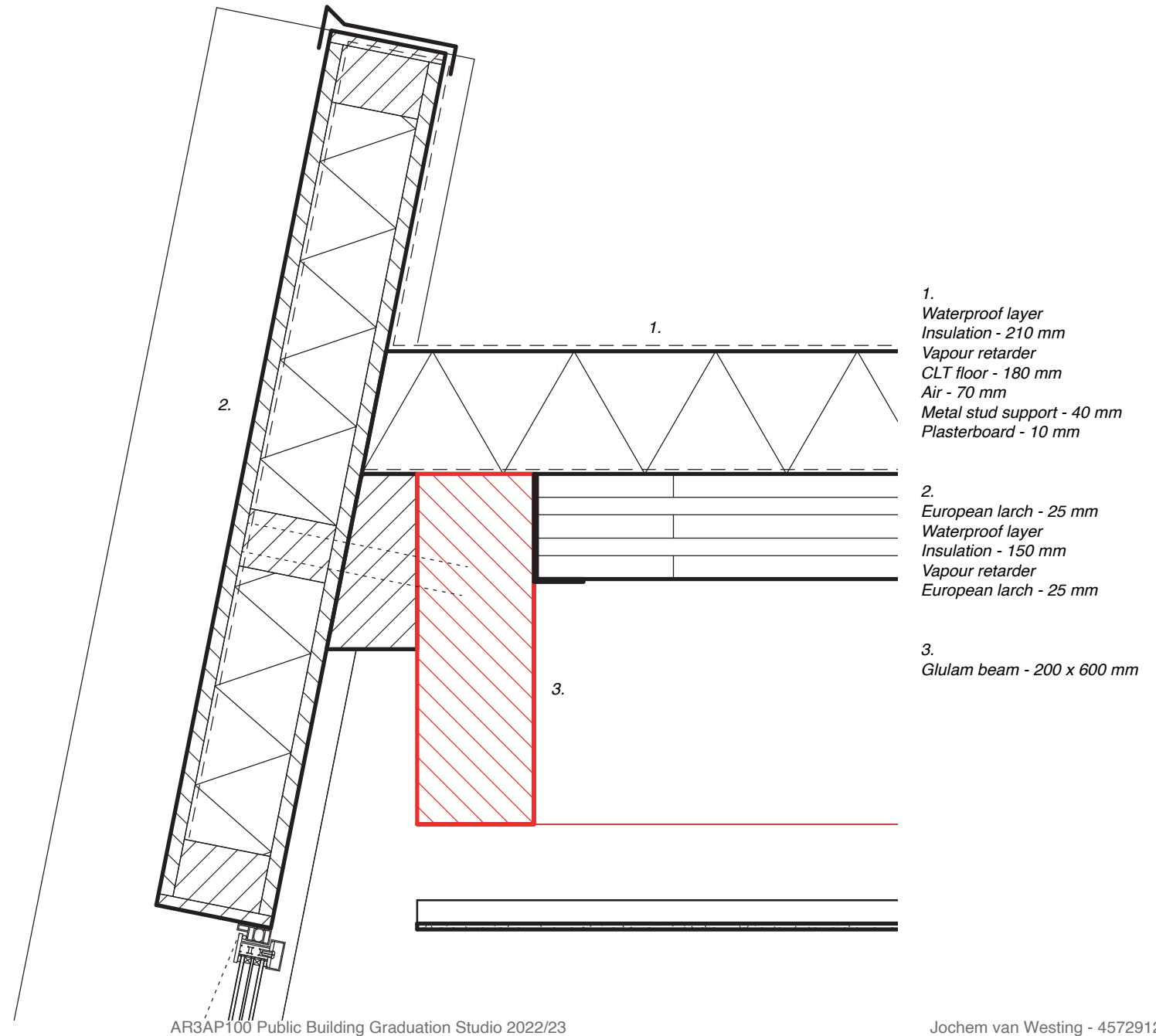
Facade

Fragment 1:100



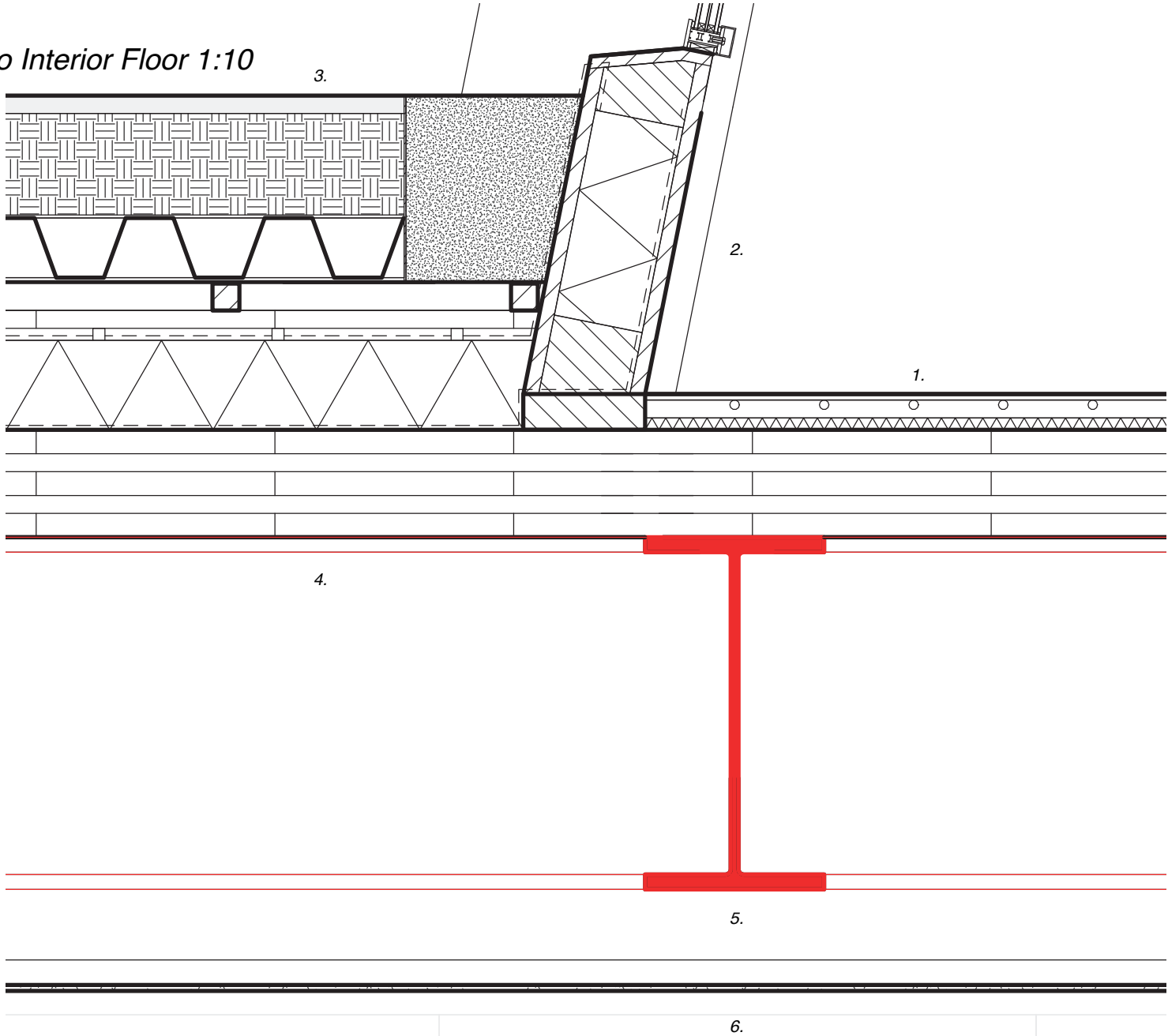
Detail

Roof to Facade 1:10



Detail

Terrace floor to Interior Floor 1:10



1.
Parquet flooring - 10 mm
Floor heating system - 30 mm
Acoustic insulation - 20 mm
CLT floor - 180 mm

2.
European larch - 25 mm
Waterproof layer
Insulation - 150 mm
Vapour retarder
European larch - 25 mm

3.
Vegetation - 30 mm
Soil - 180 mm
Filter layer
Drainage layer - 100 mm
Anti-root layer
Steel plate - 5 mm

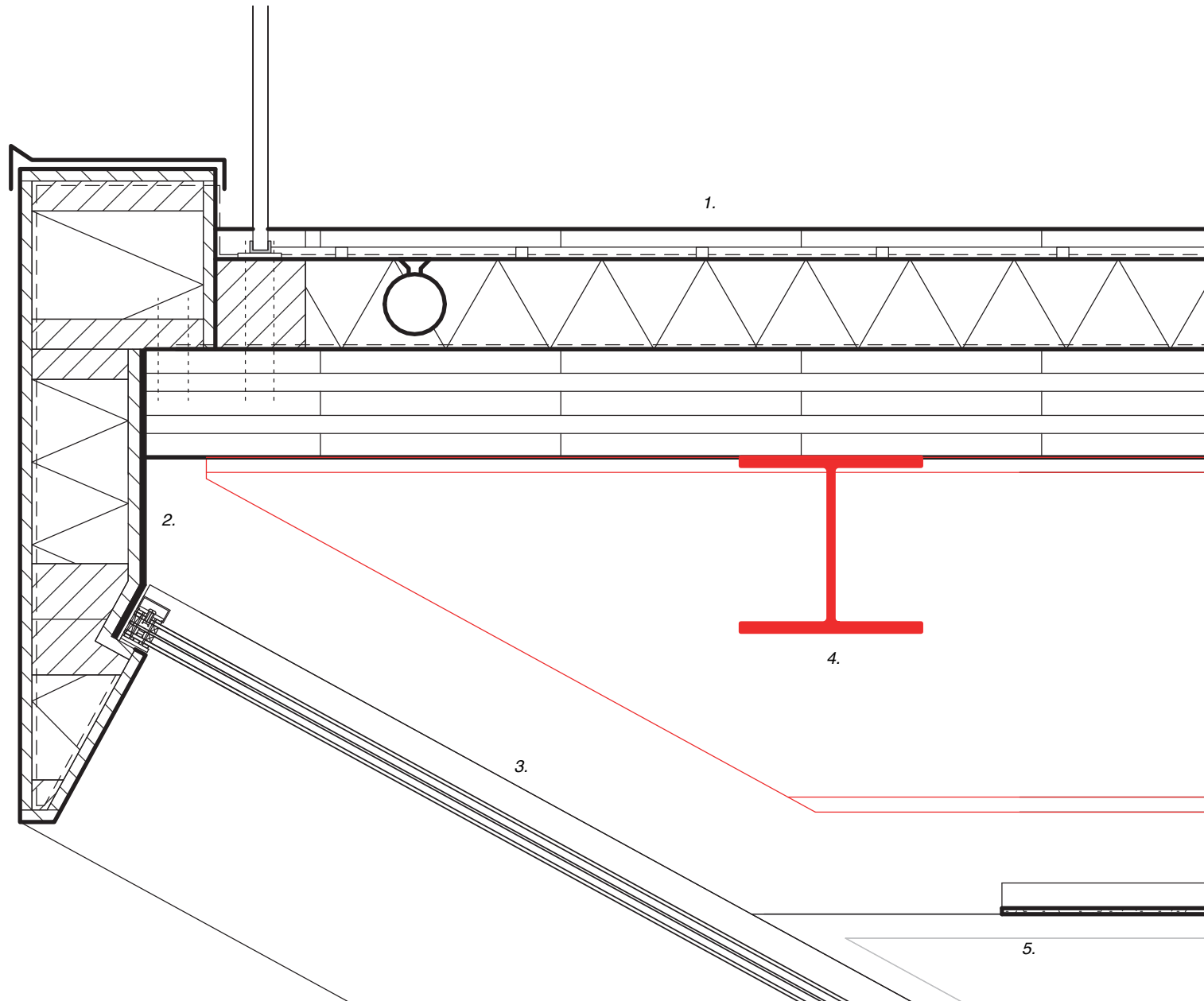
4.
Stone tiles - 50 mm
Waterproof layer
Insulation - 150 mm
Vapour Retarder
CLT floor - 180 mm

5.
HEA 600 beam

6.
Metal stud support - 40 mm
Plasterboard - 10 mm

Detail

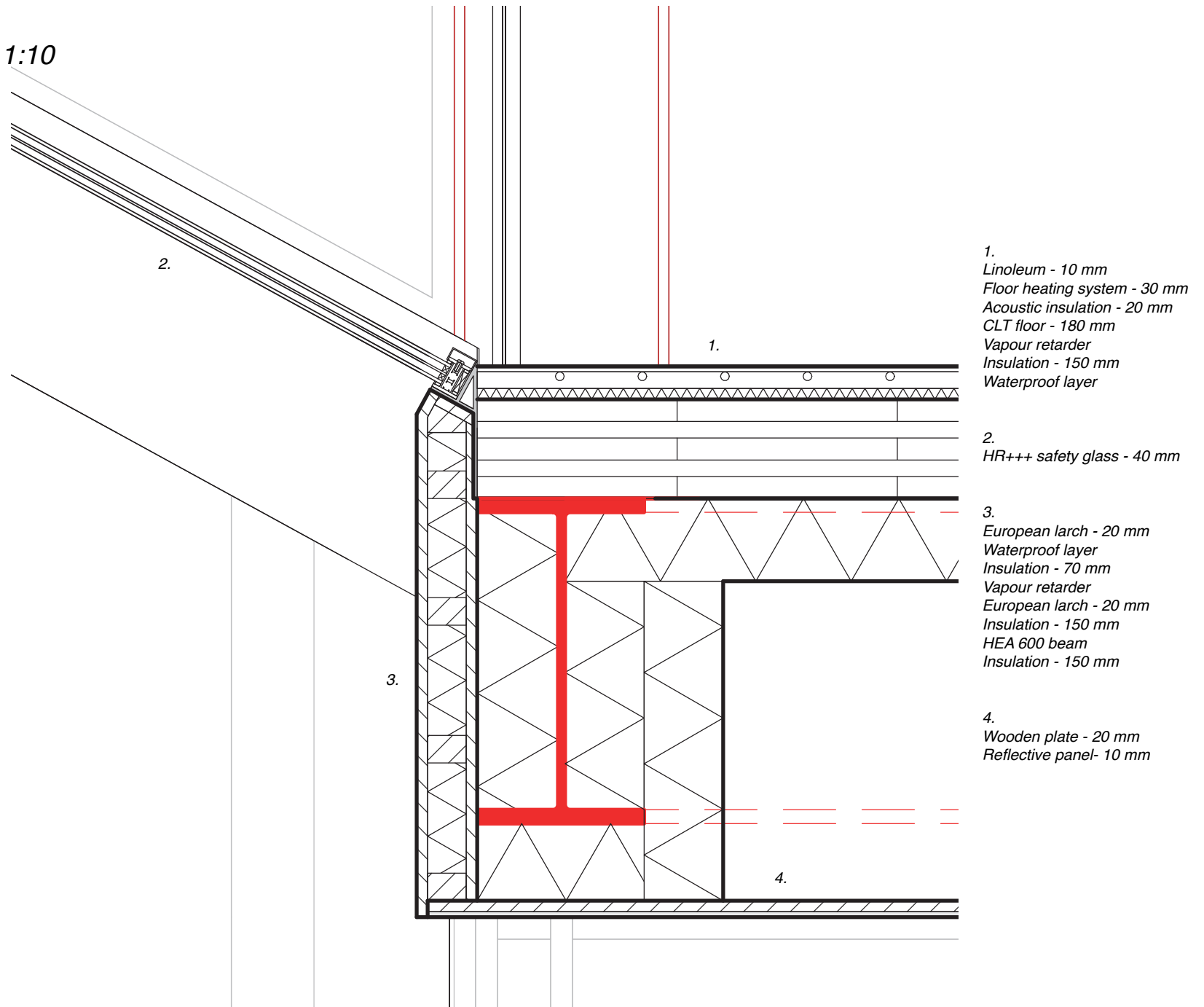
Terrace floor to Facade 1:10



1.
Stone tiles - 50 mm
Waterproof layer
Insulation - 150 mm
Vapour Retarder
CLT floor - 180 mm
2.
European larch - 25 mm
Waterproof layer
Insulation - 220 mm
Vapour retarder
European larch - 25 mm
3.
HR+++ safety glass - 40 mm
4.
HEA 300 beam
5.
Metal stud support - 40 mm
Plasterboard - 10 mm

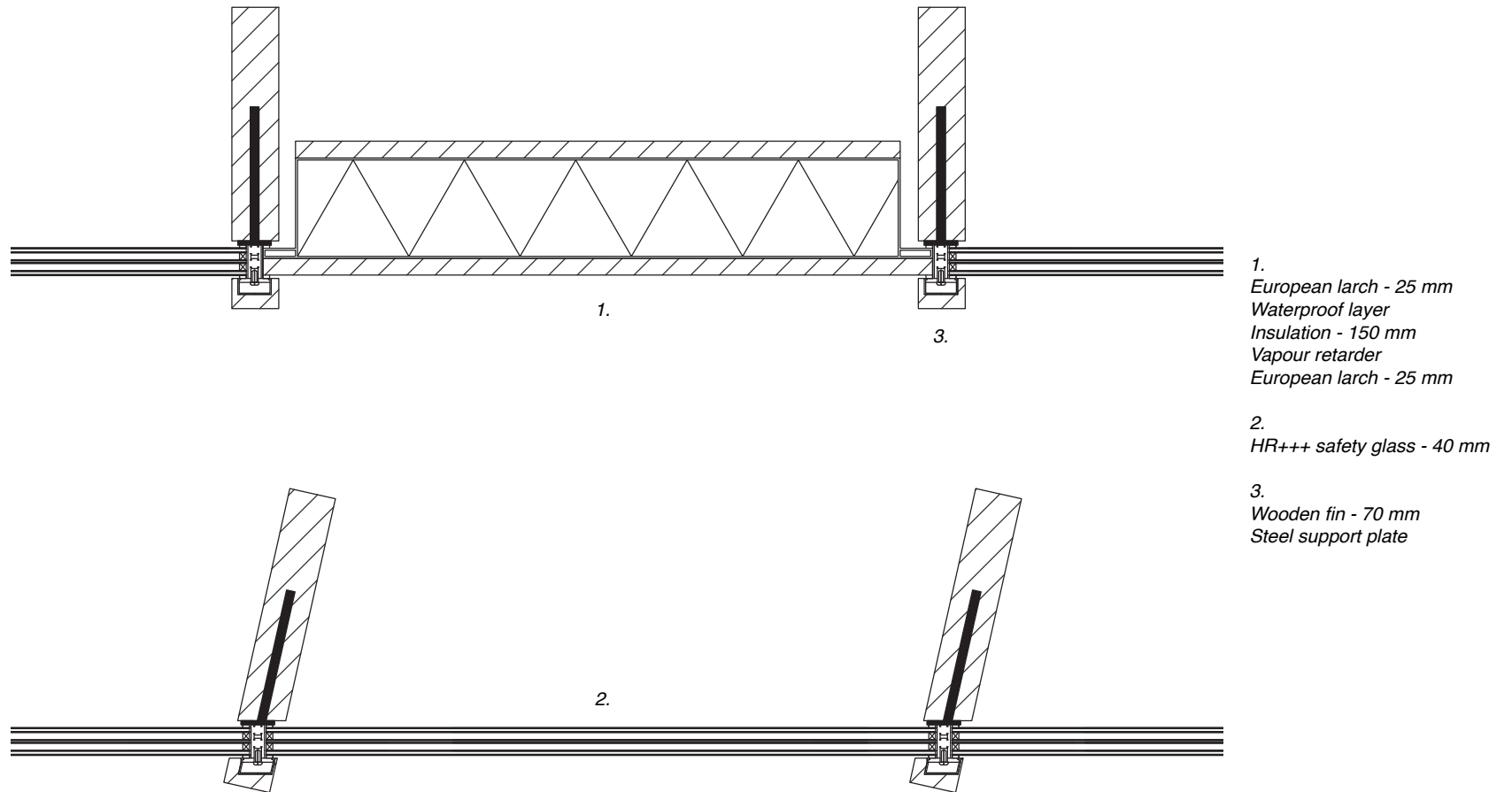
Detail

Facade to Tunnel Floor 1:10



Detail

Horizontal Facade Options 1:10



Conclusion

Final Statement

