

rhythms of everyday life.

drawing set

Designing for Health & Care Graduation Studio

AR4AD300

*Faculty of Architecture and the Built Environment
Delft University of Technology*

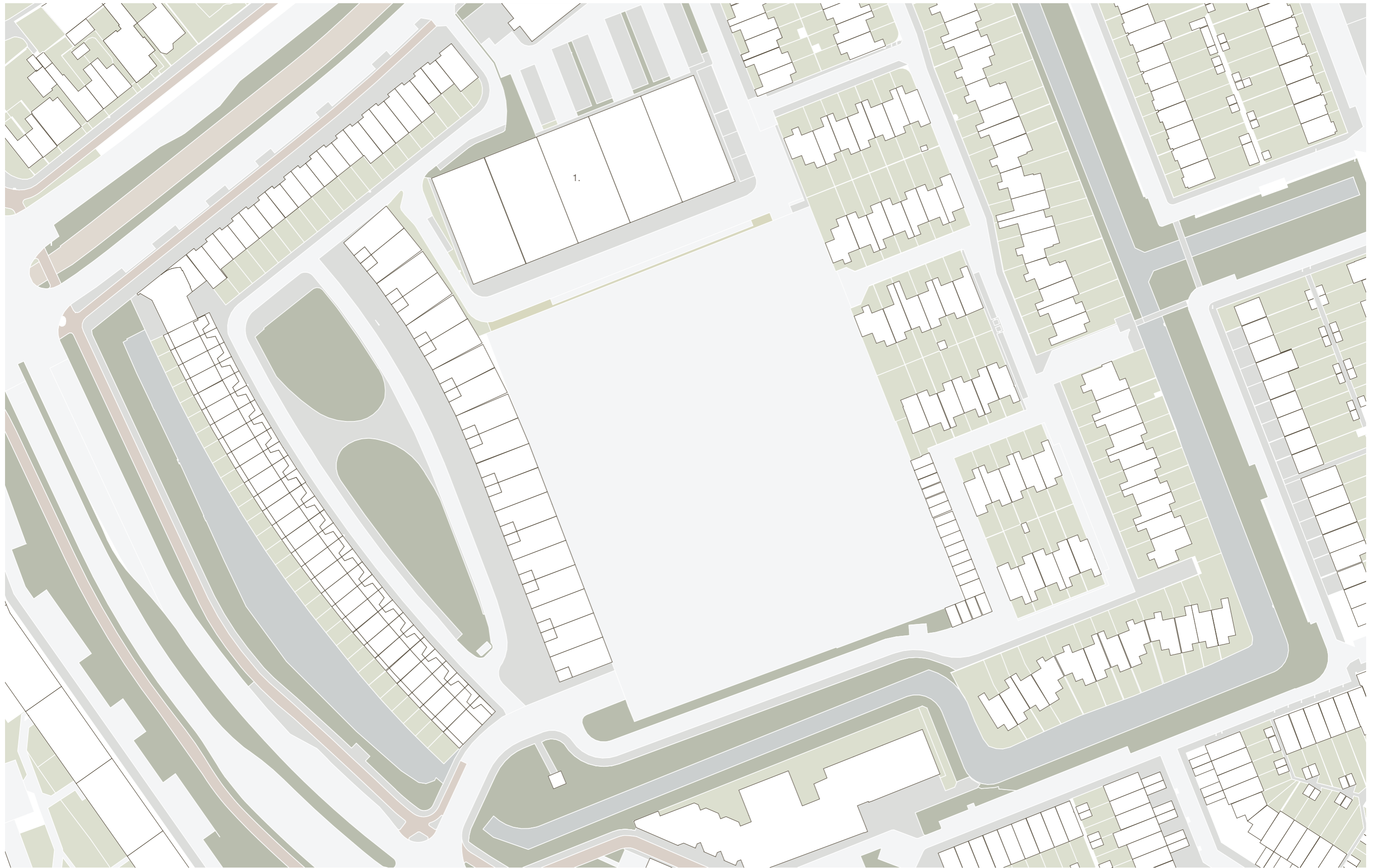
Daphne Bohemen
2025-2026

content.

- 01 urban plan
- 02 floorplans
- 03 elevations
- 04 sections
- 05 climate
- 06 technical

01

urban plan.

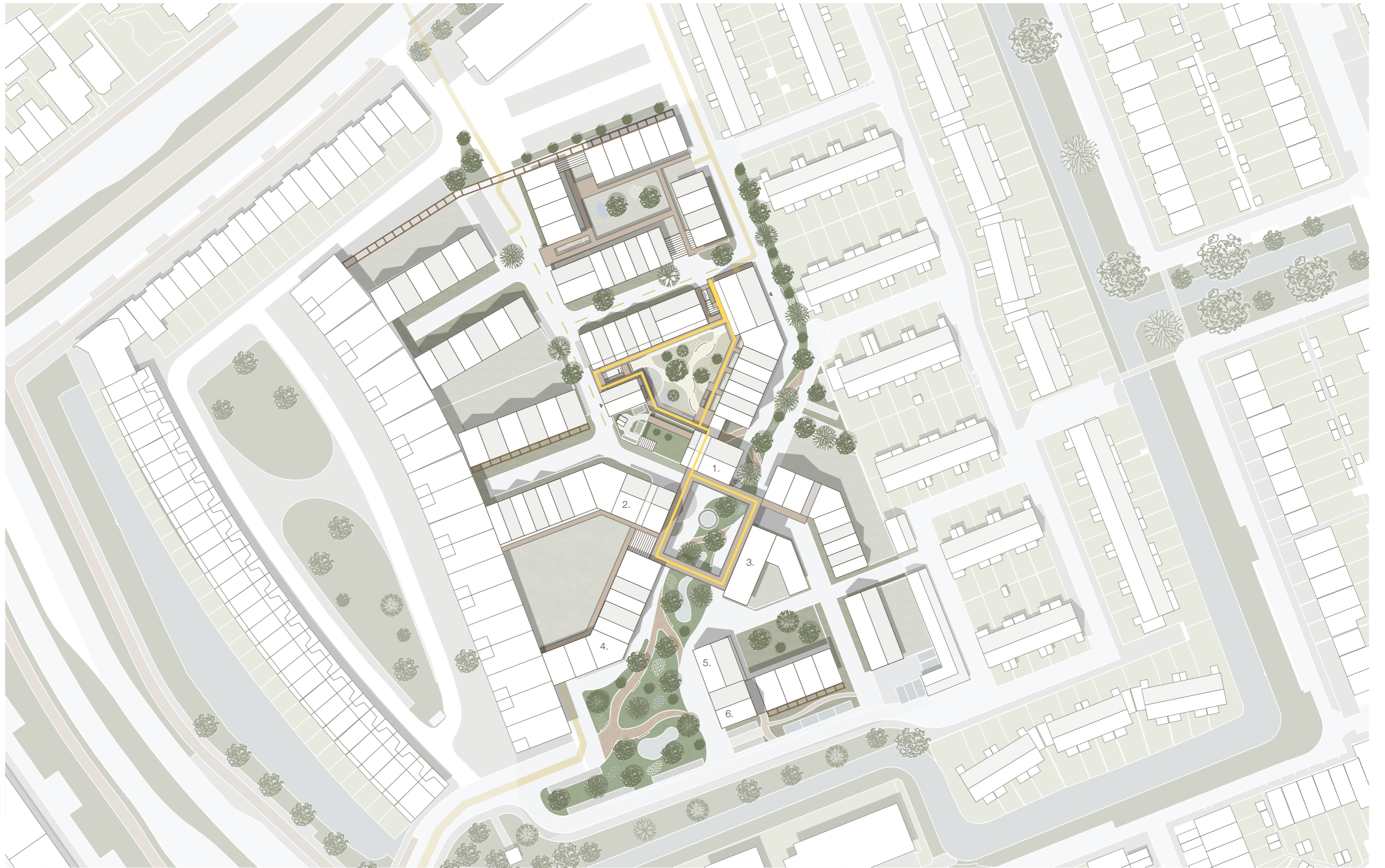


current plan

1:1000

1. Industry





urban plan

1:1000

- | | | | | | | |
|-------------------|----------------|------------|----------------|---------------|---------|--------------|
| 1. library & care | 3. childcare | 5. bakery | green corridor | walking route | wadis | walking path |
| 2. café | 4. hairdresser | 6. dentist | private green | car route | parking | gallery |
| | | | | | | benches |



- 1. library & care
- 2. café
- 3. childcare
- 4. hairdresser
- 5. bakery
- 6. dentist

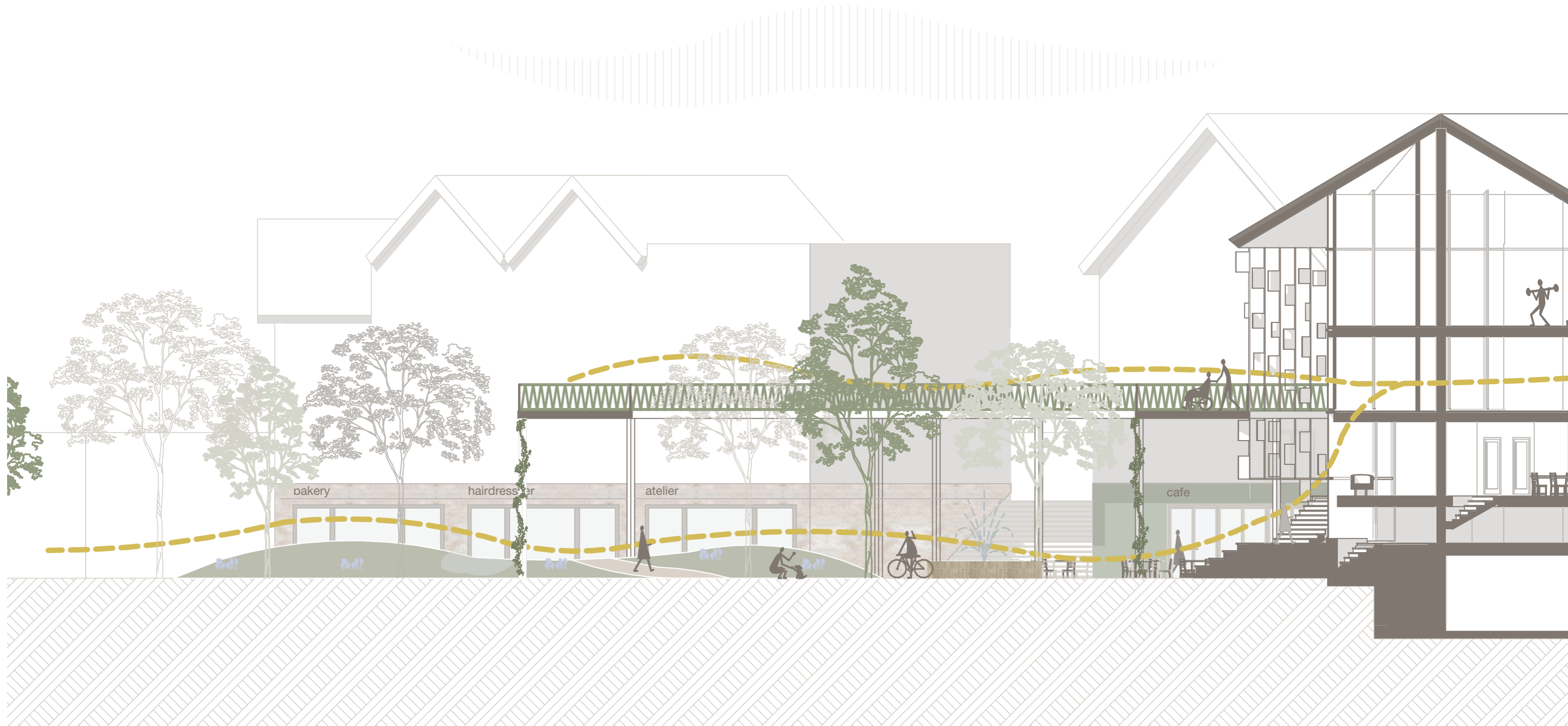
- walking path
- gallery
- benches
- wadis
- parking
- green corridor
- private green
- walking route
- car route



urban plan

1:500 (scaled 75%)





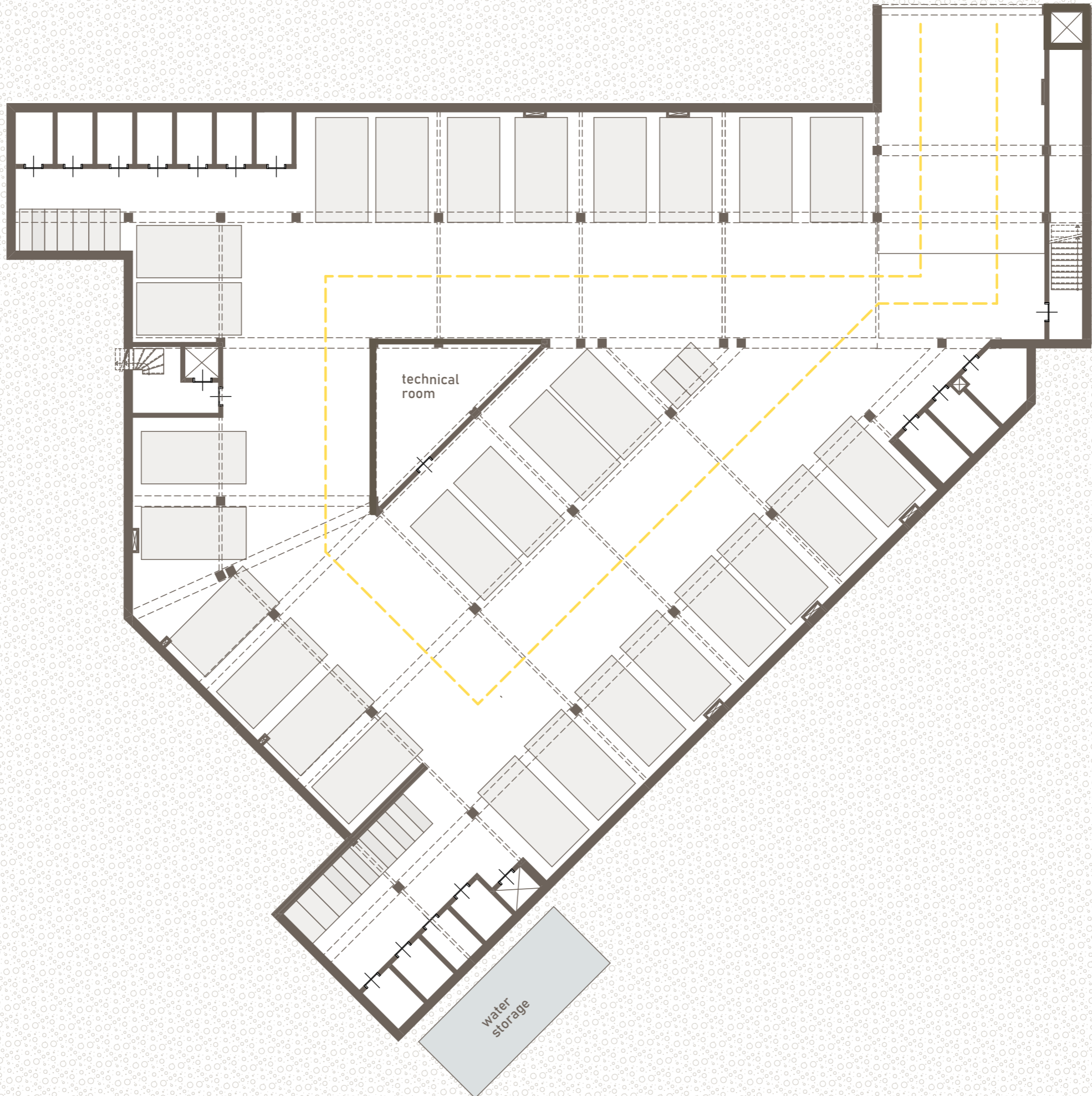
urban section

1:200 (scaled 150%)



02

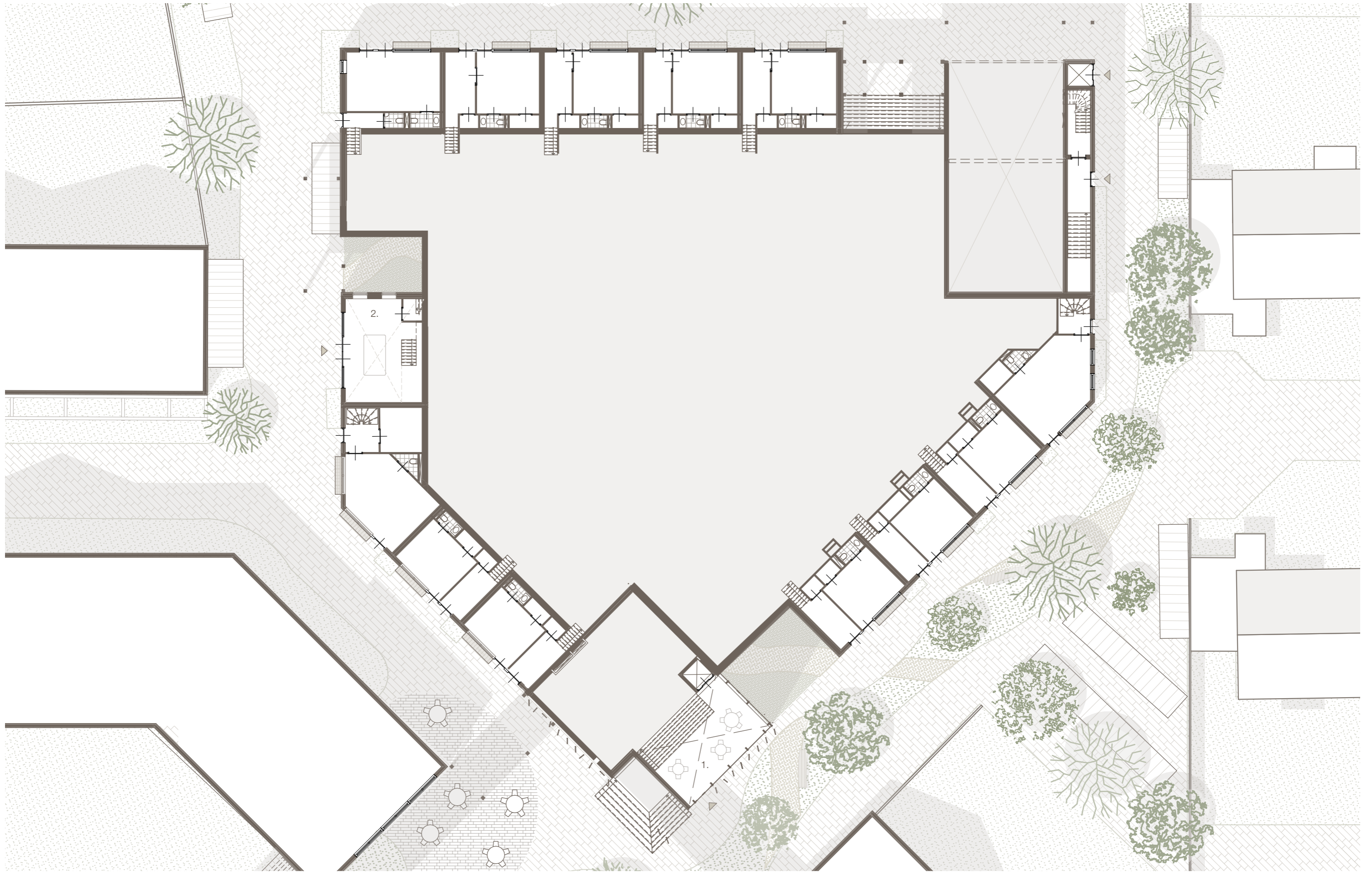
floorplans.



floorplan parking

1:200



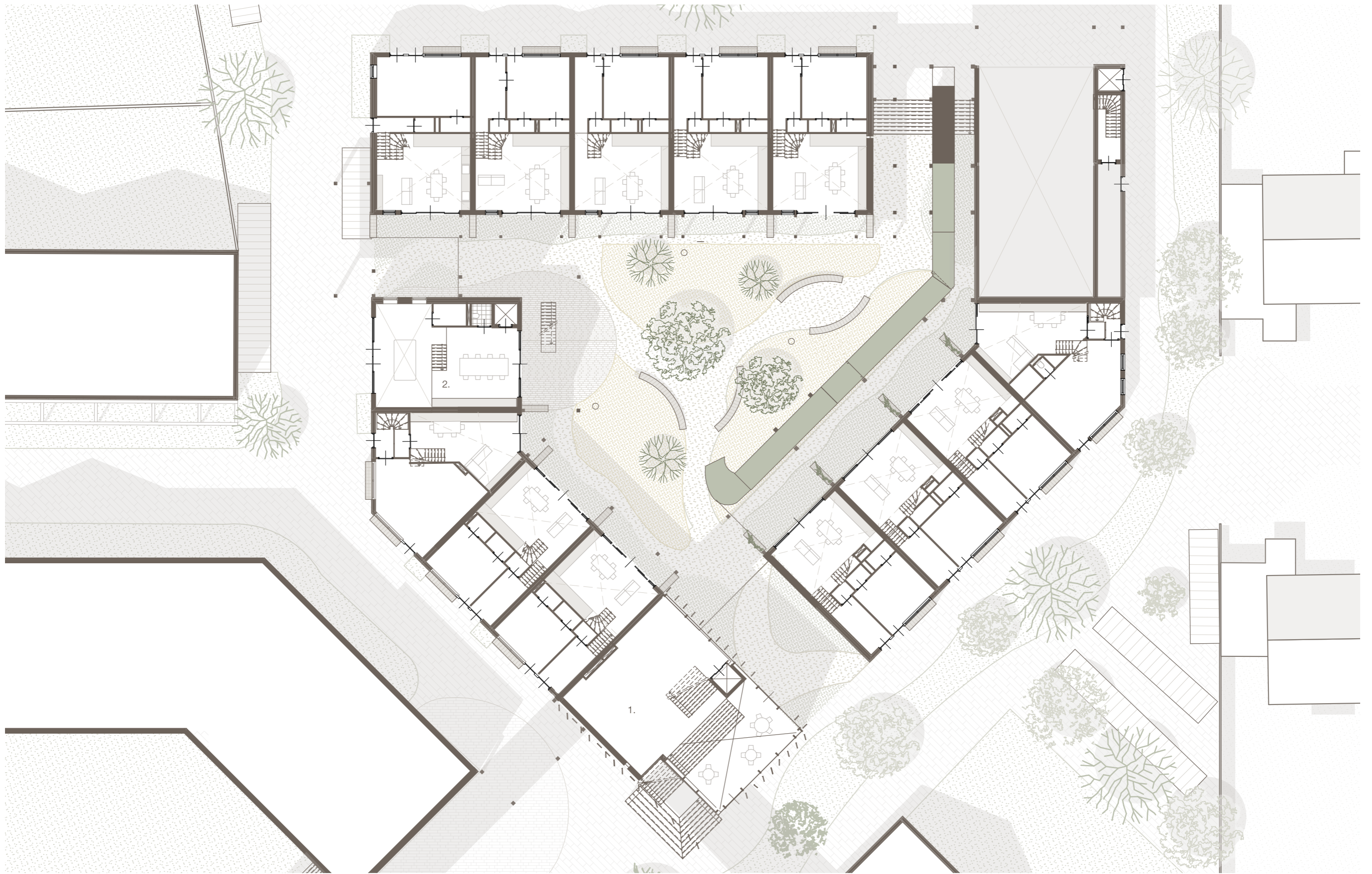


floorplan ground floor

1:200 (scaled 85%)

- 1. library
- 2. communal room



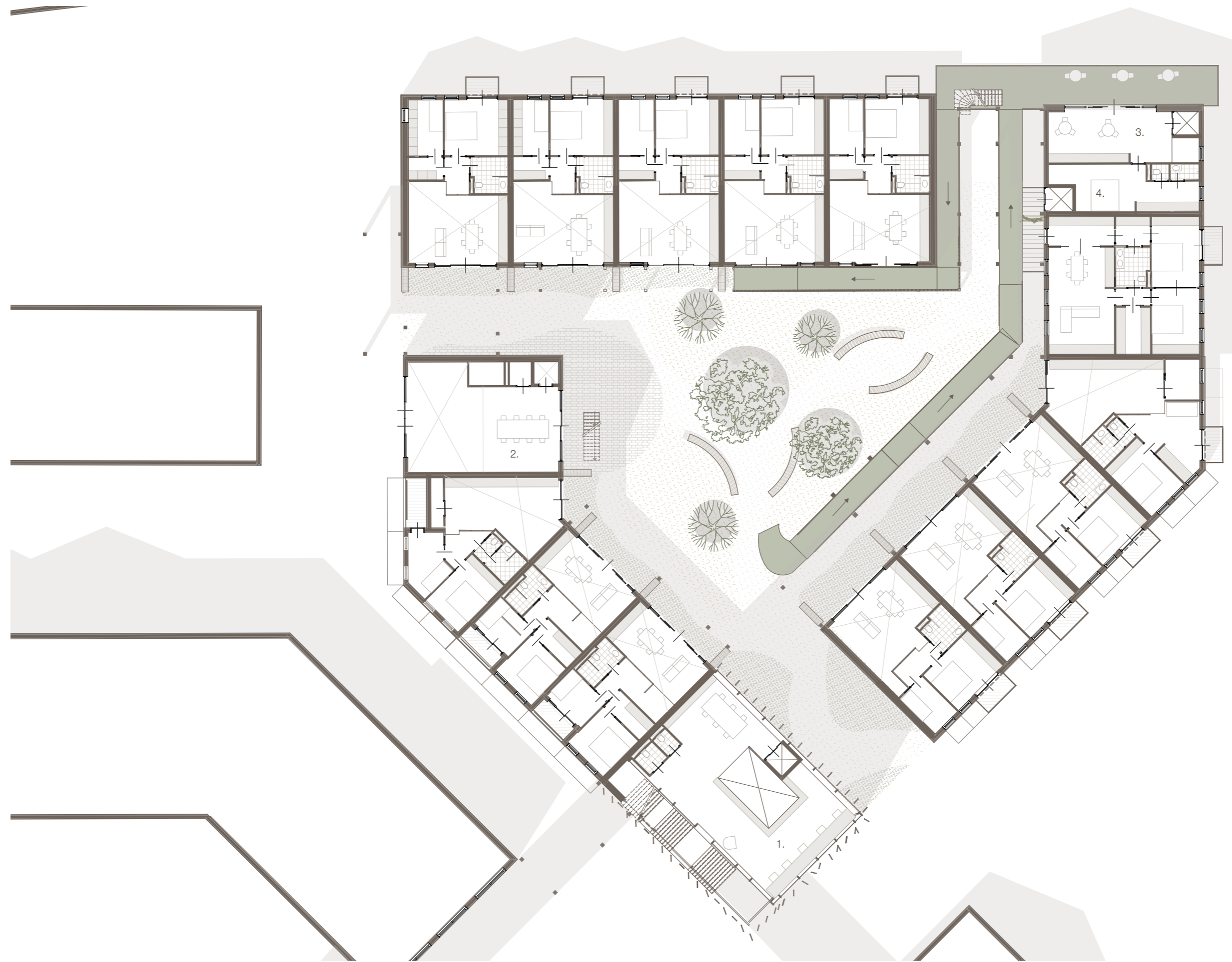


floorplan courtyard

1:200

- 1. library
- 2. communal room



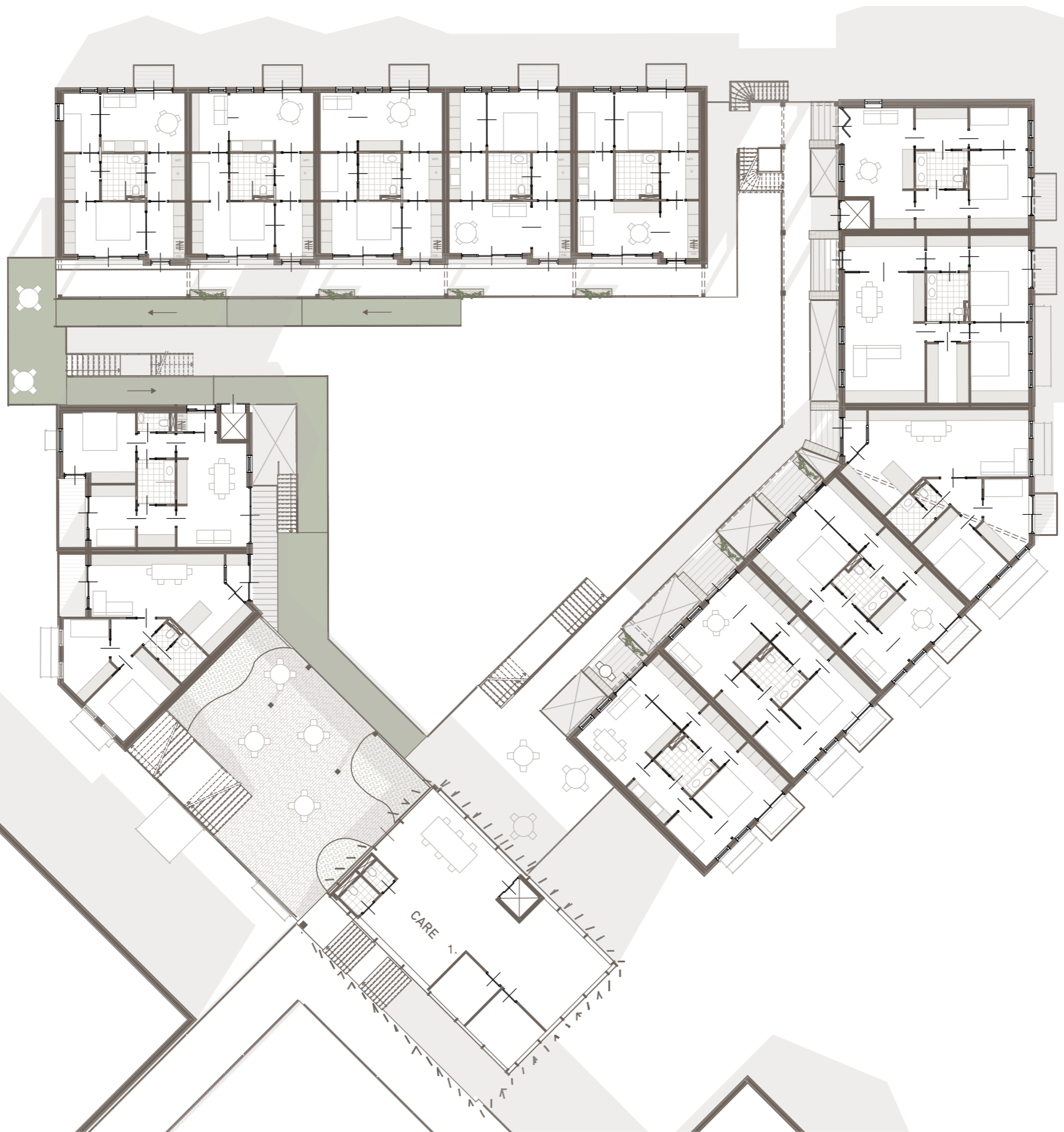


floorplan first floor

1:200 (scaled 85%)

- 1. library
- 2. communal room
- 3. mailboxes
- 4. guest room



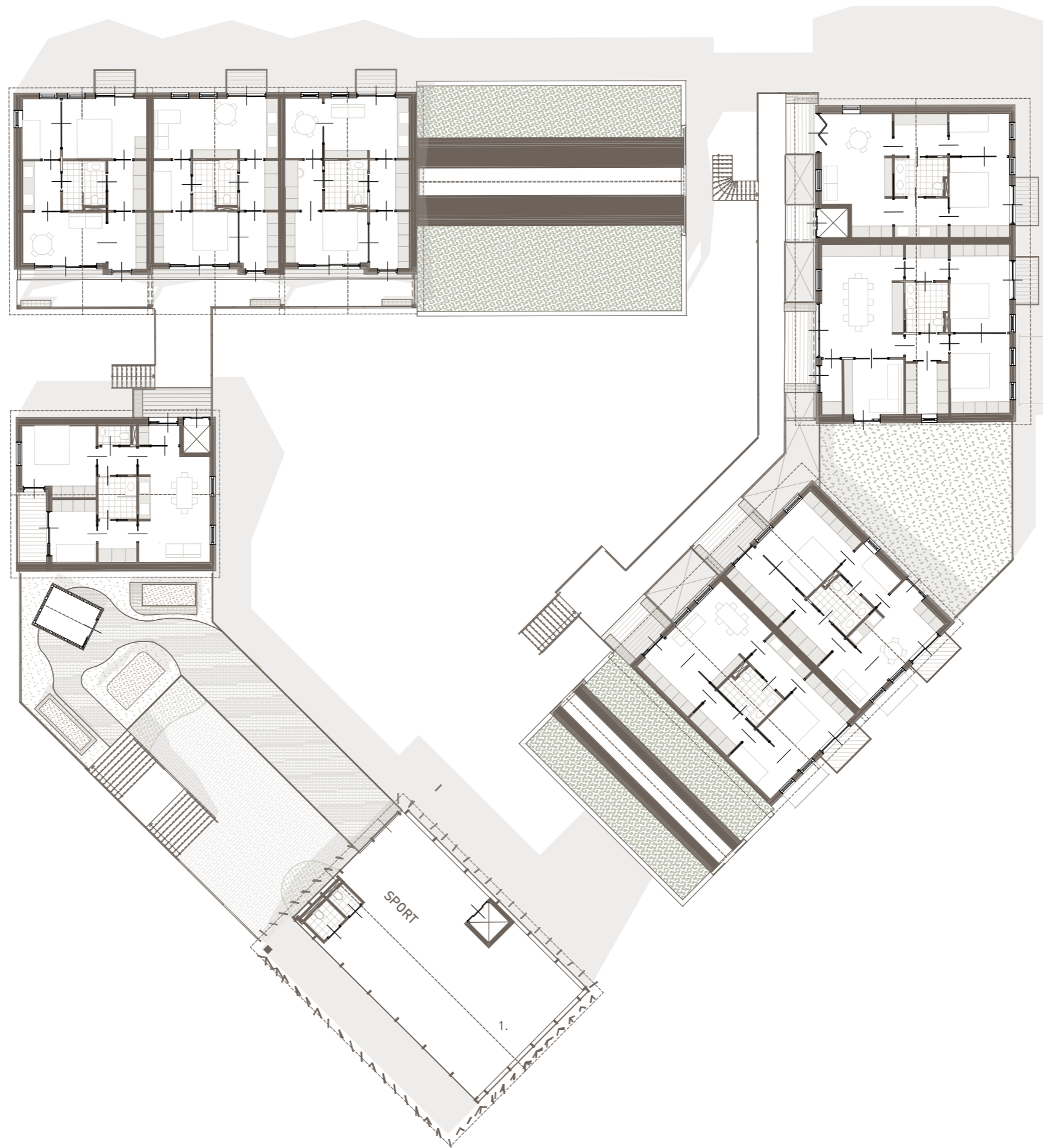


floorplan second floor

1:200

1. informal care



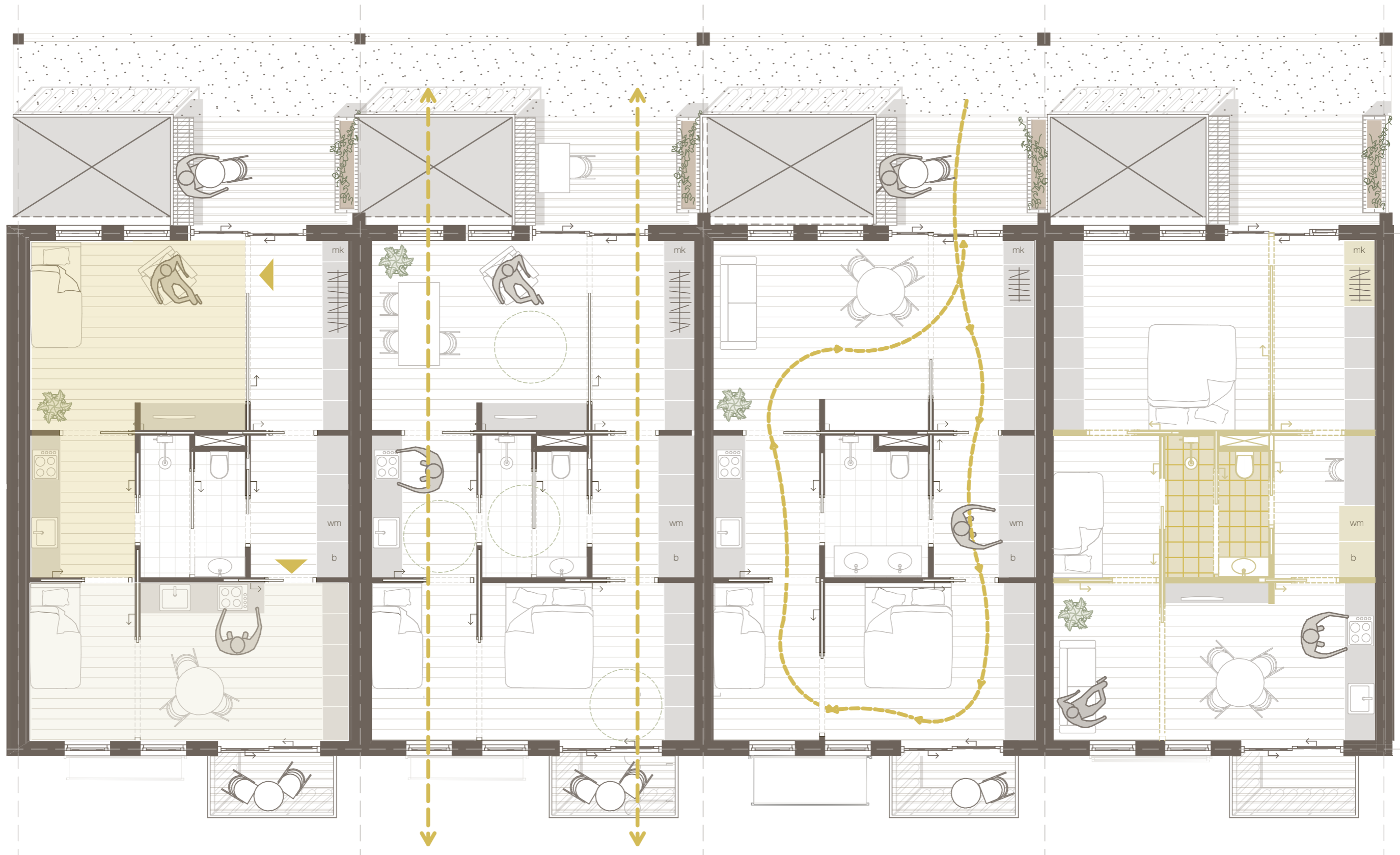


floorplan thrid floor

1:200 (scaled 85%)

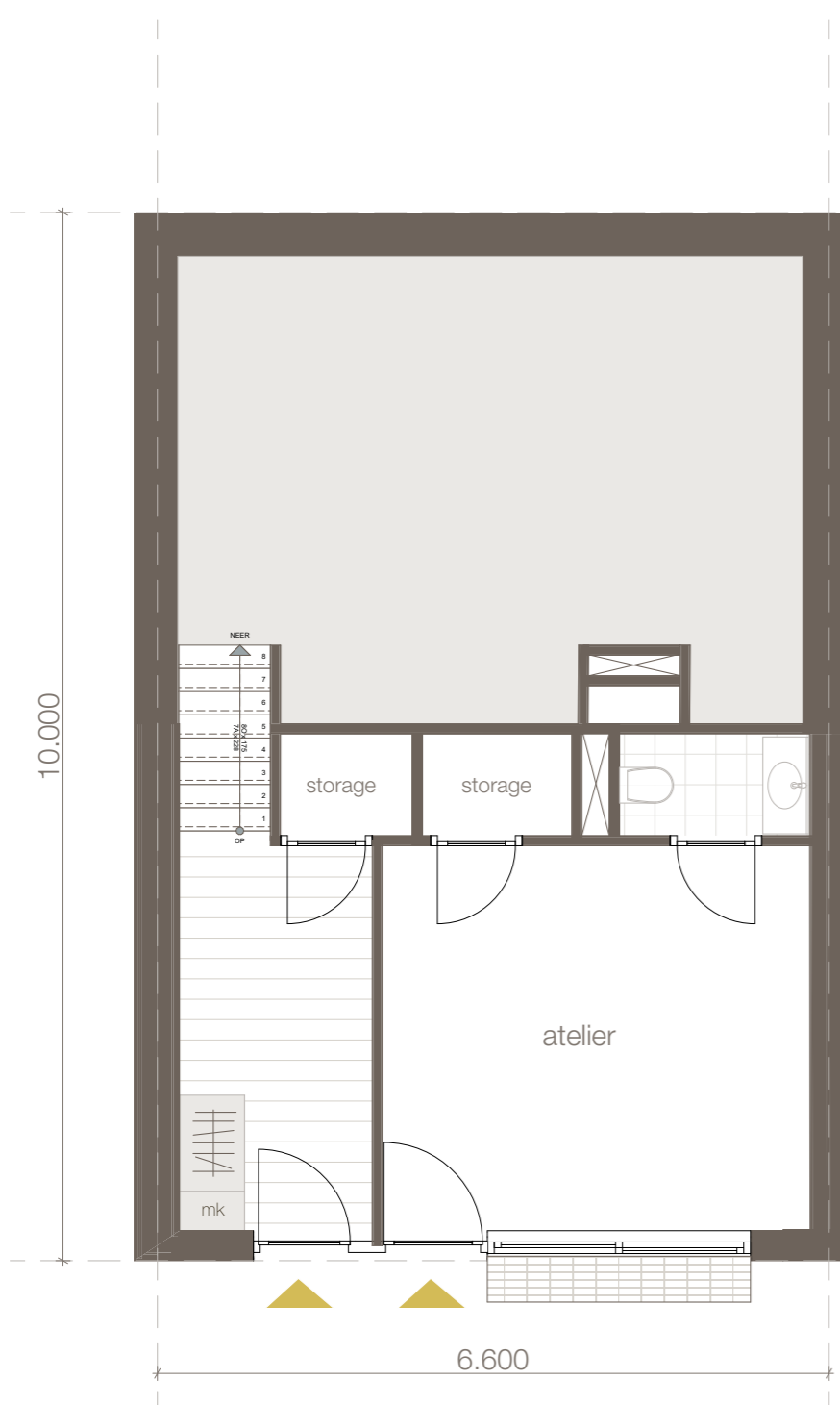
1. sport



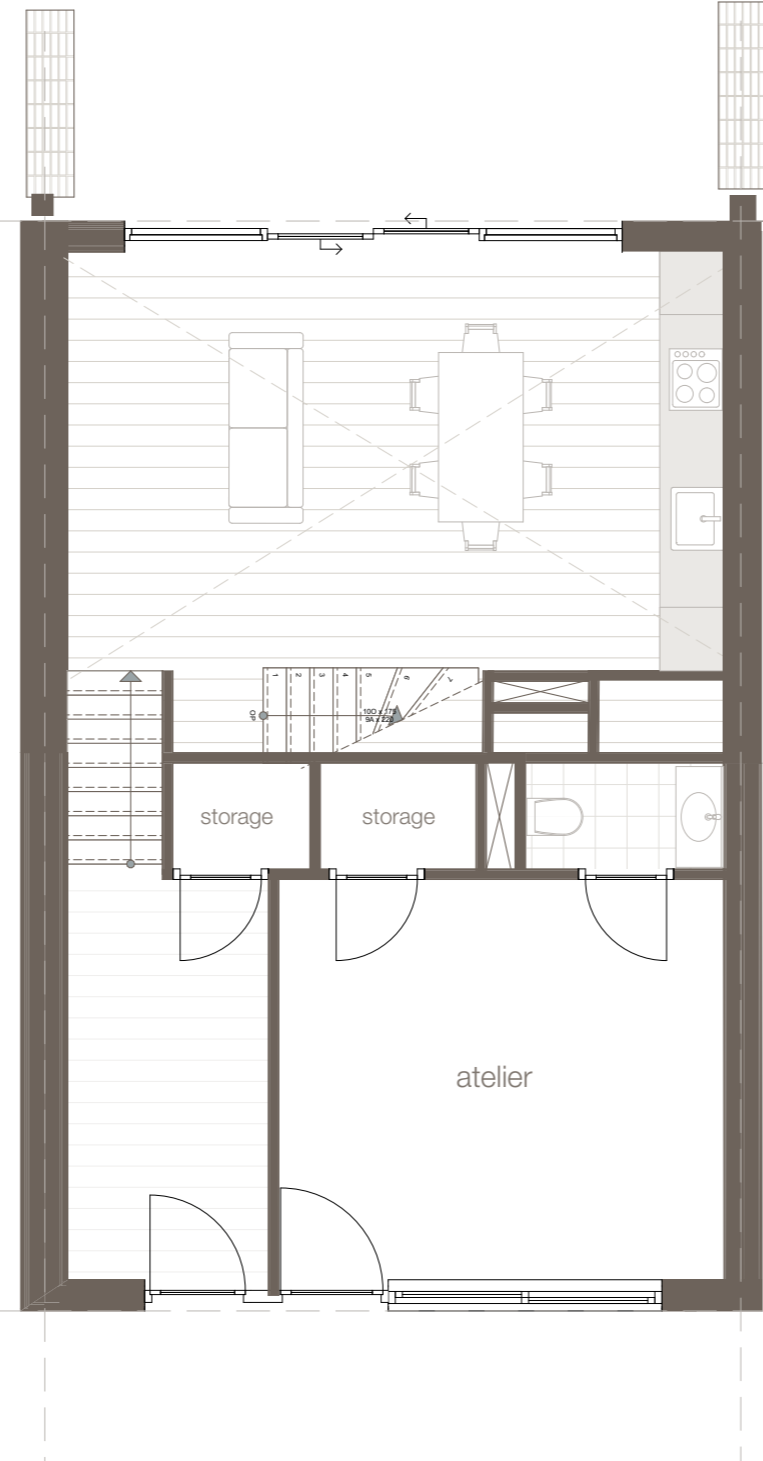


floorplan typical apartments 65 m²

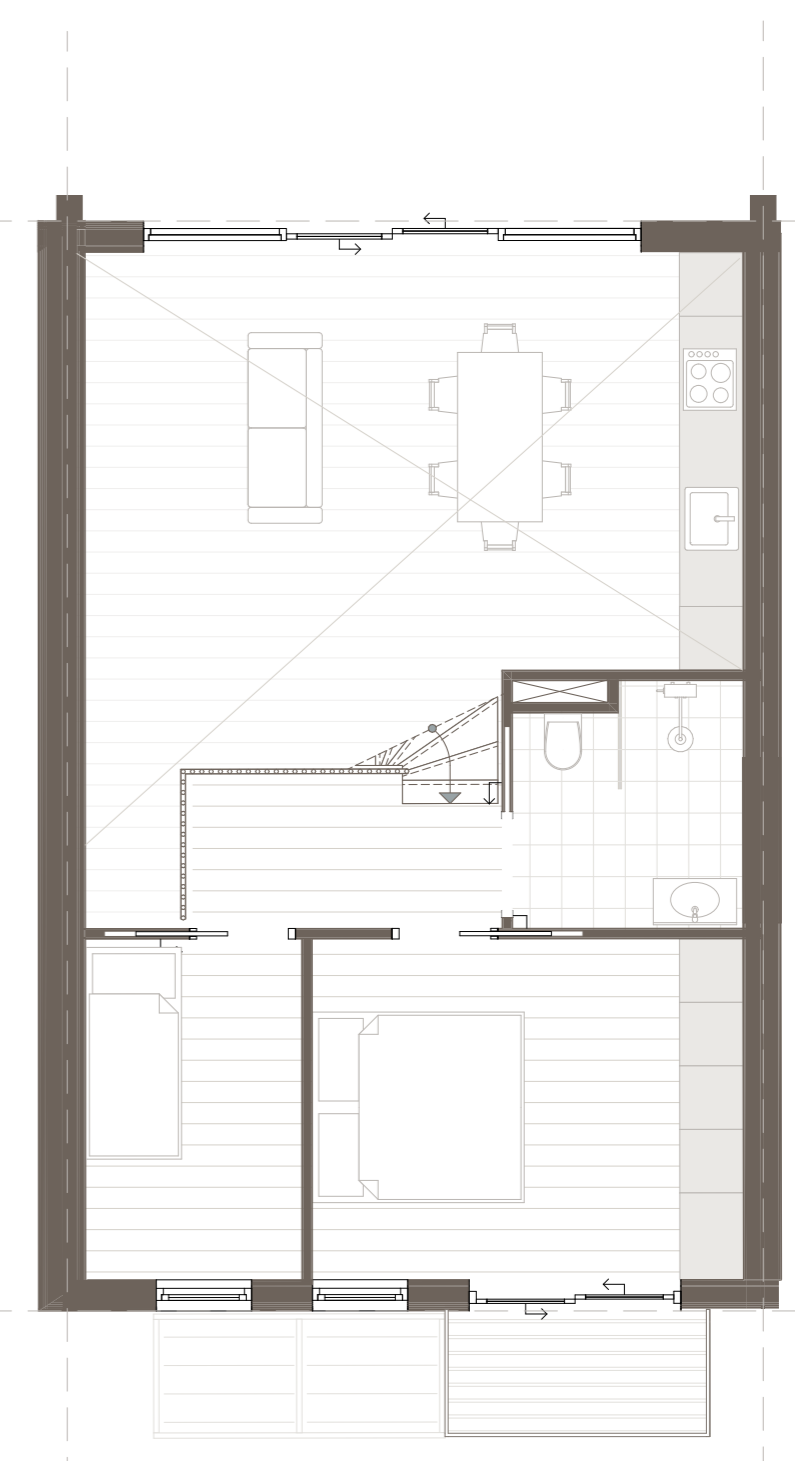
1:50 (scaled 70%)



ground floor



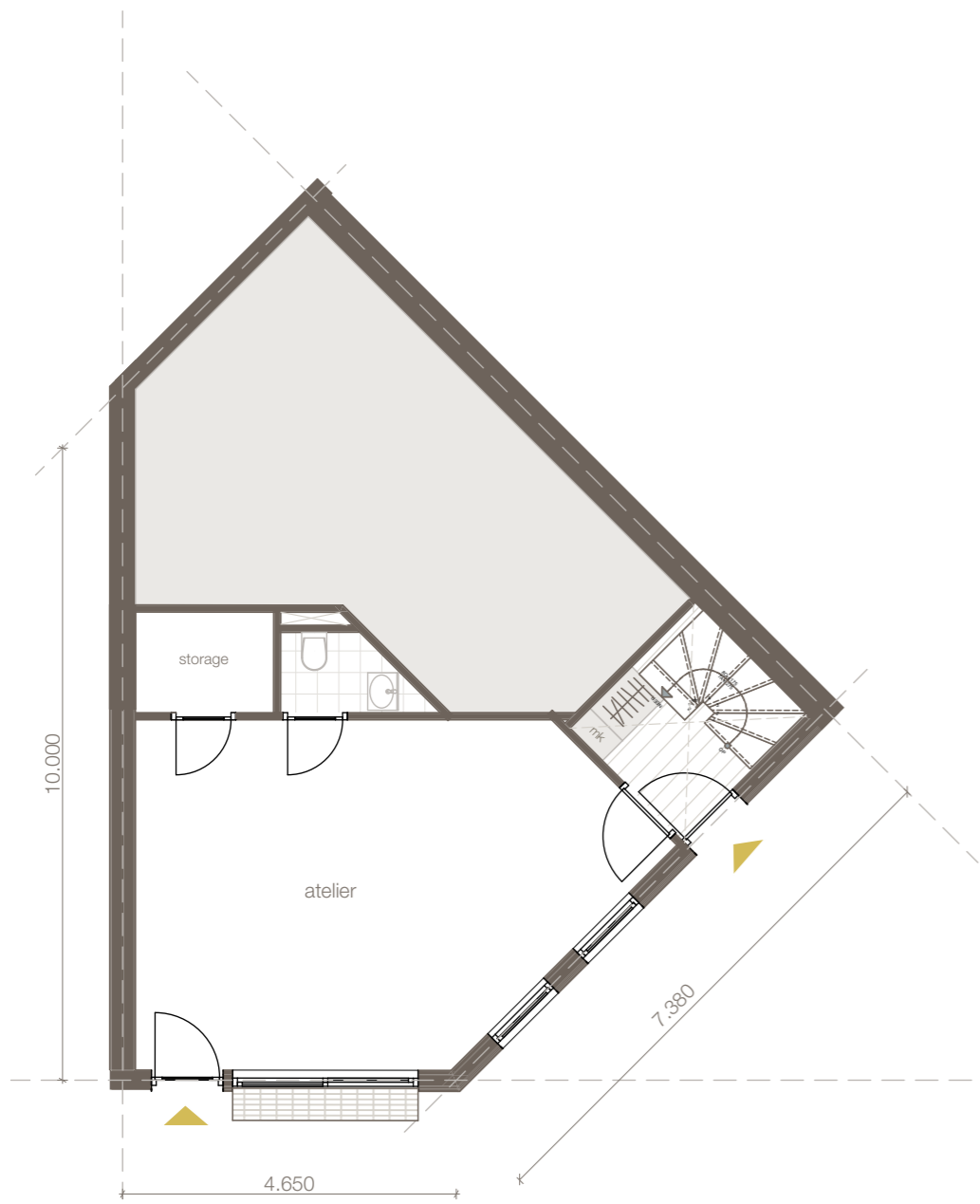
courtyard



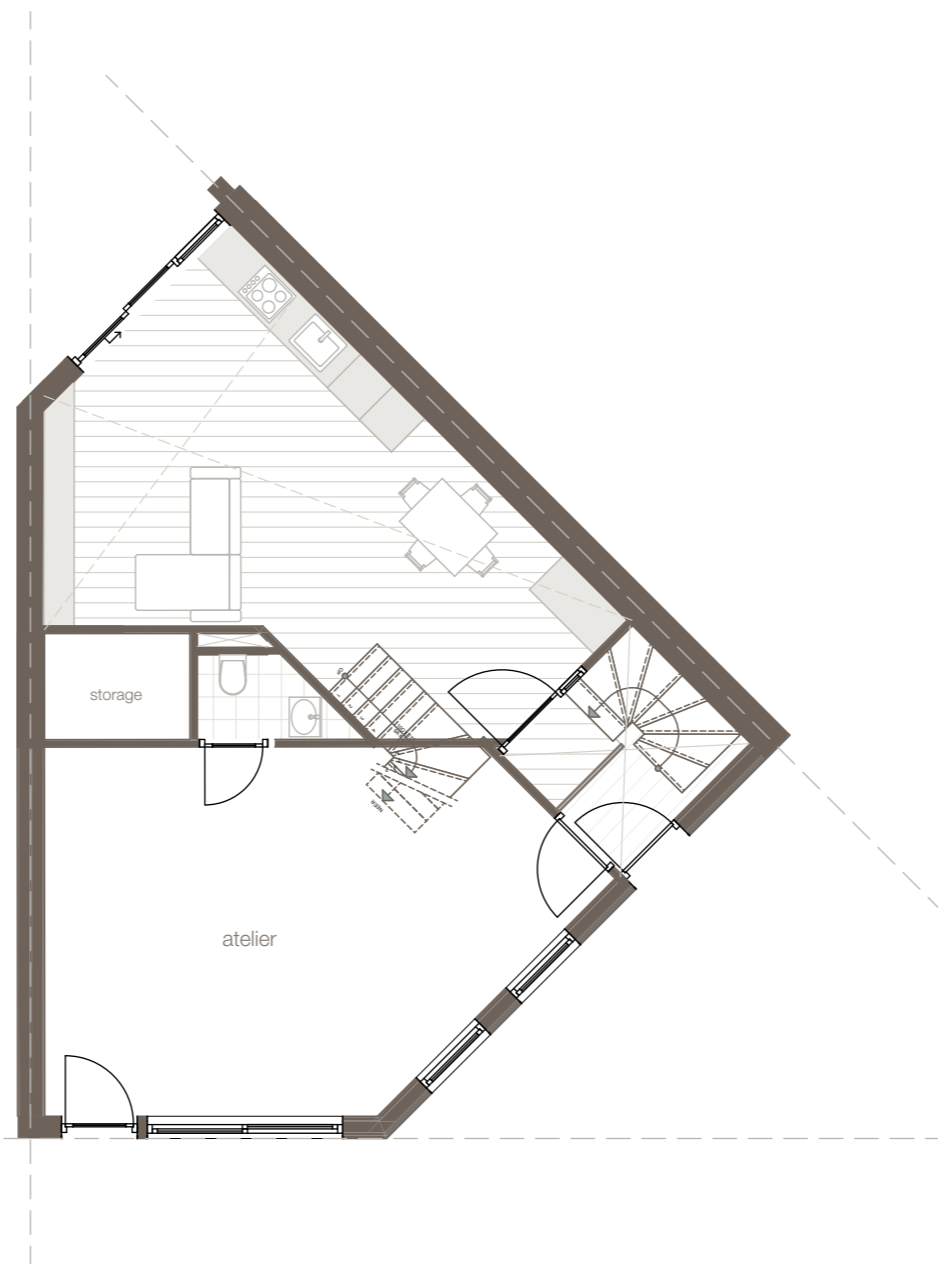
first floor

floorplan split level 65 m²

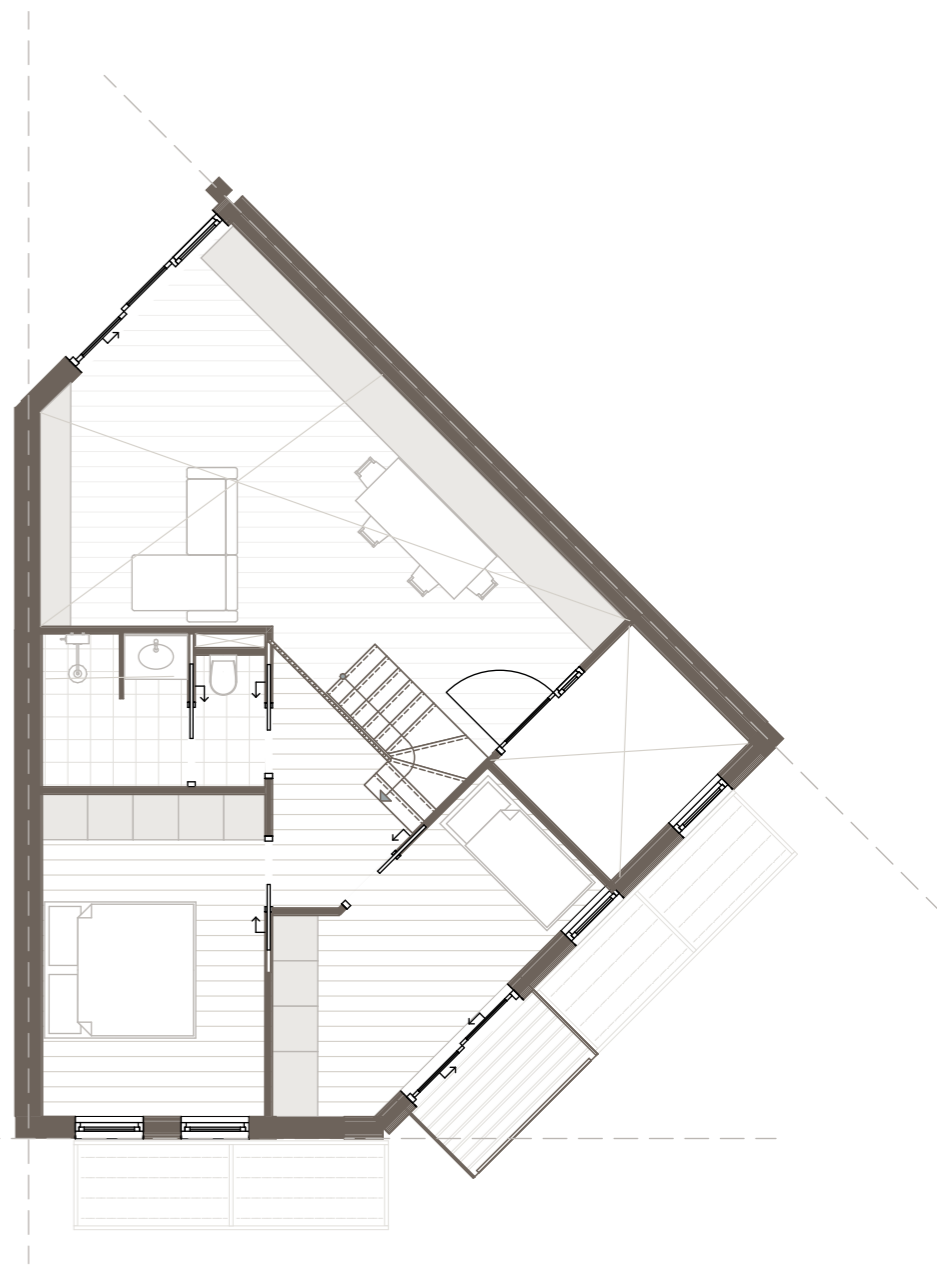
1:50 (scaled 70%)



ground floor



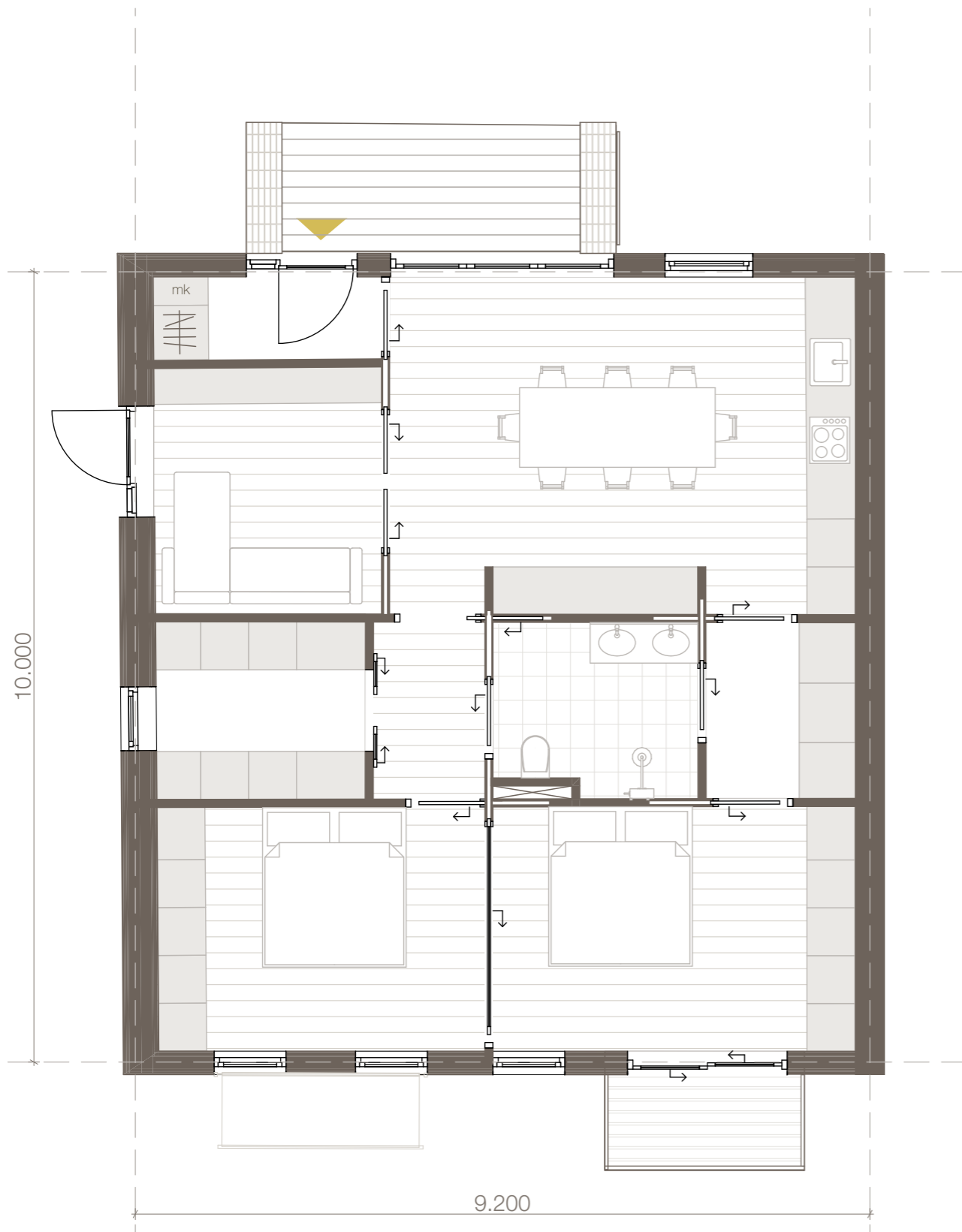
courtyard



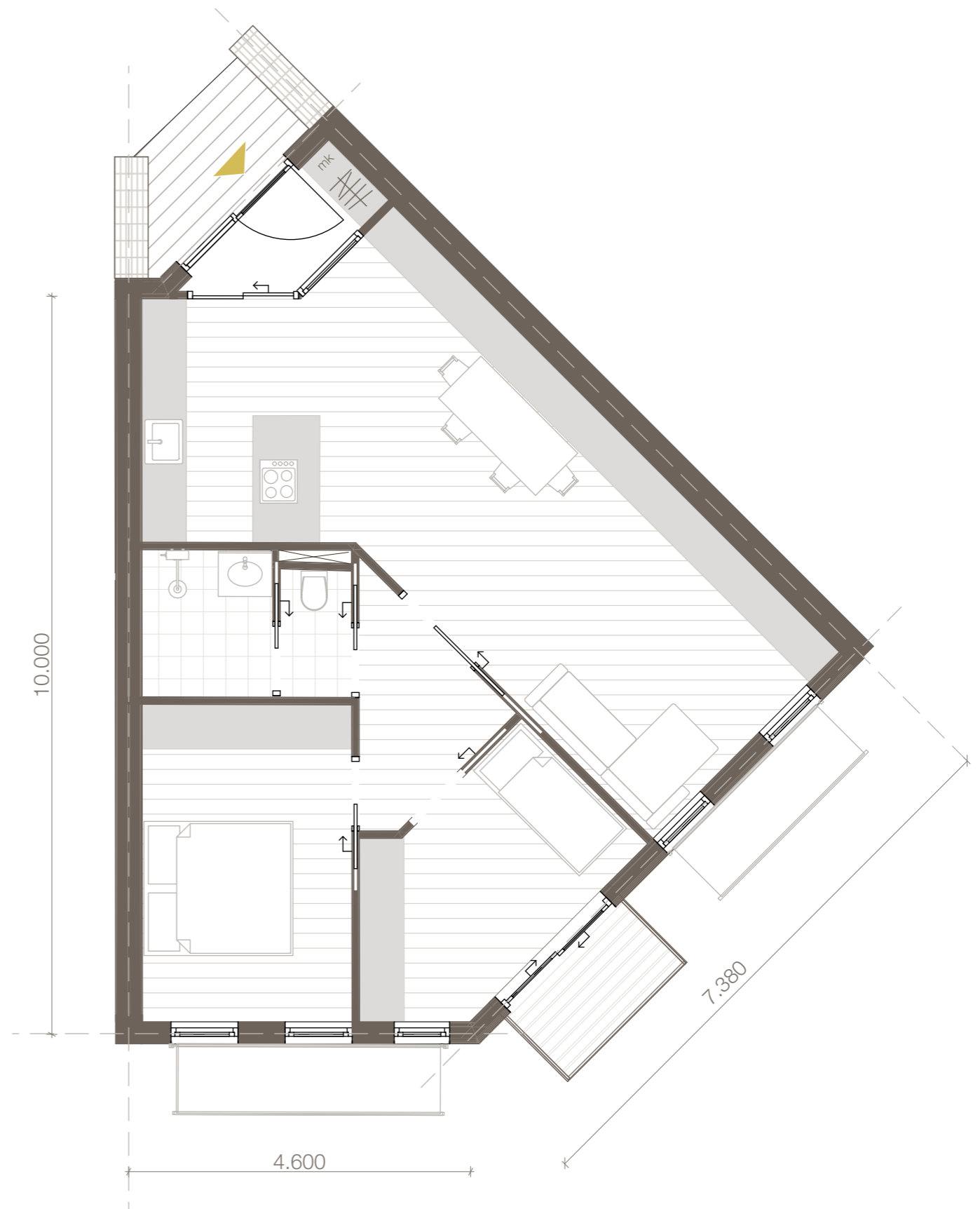
first floor

floorplan splitlevel corner 80 m²

1:100



90 m²



80 m²

floorplan atypical floorplans 90 m² & 80 m²

1:50 (scaled 70%)

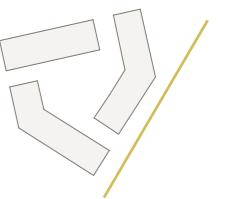
03

elevations.



east facade elevation

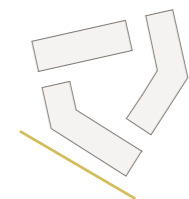
1:200





south facade elevation

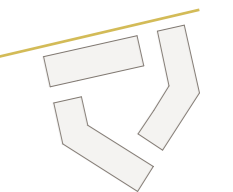
1:200





north facade elevation

1:200



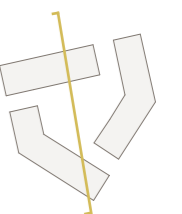
04

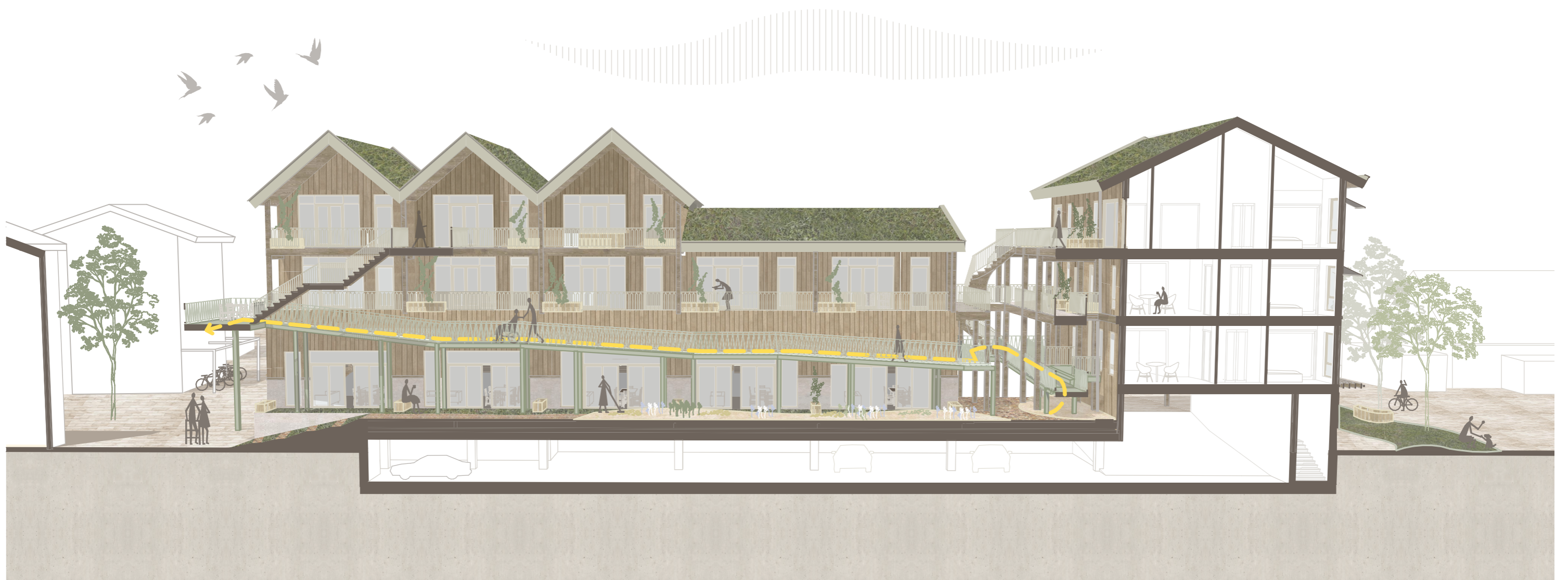
sections.



section

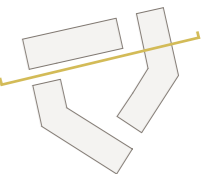
1:100 (scaled 70%)





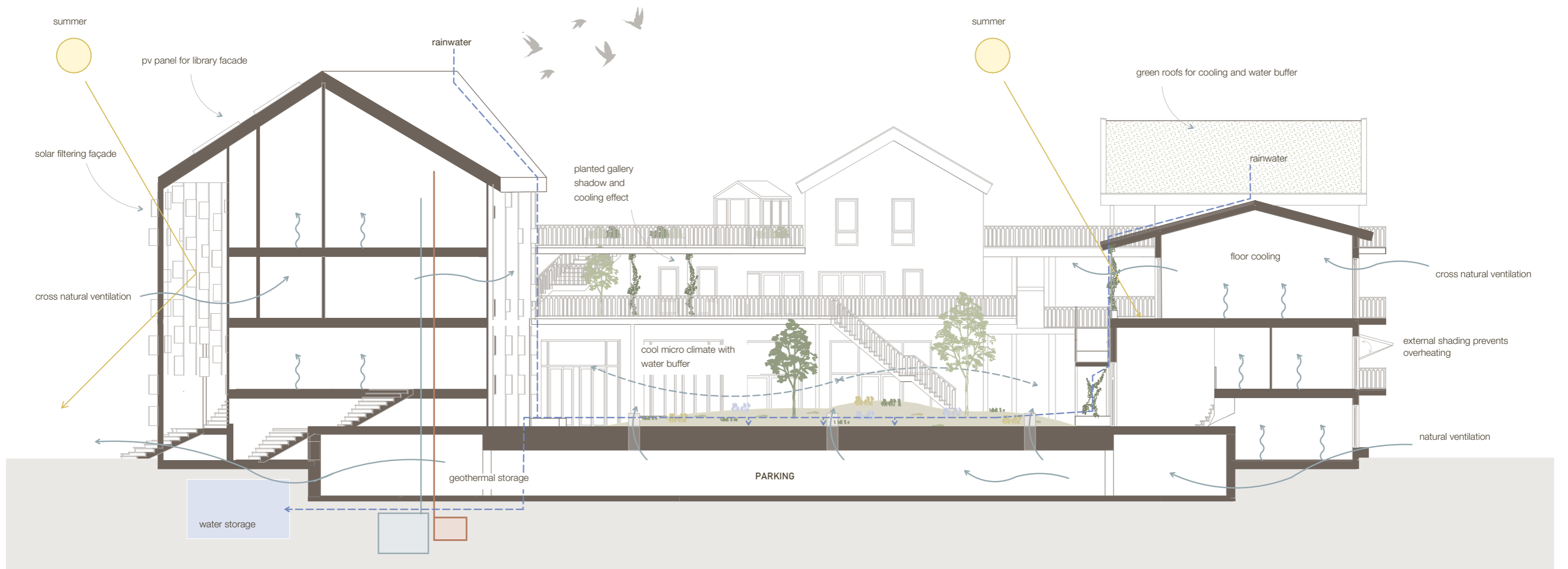
building section

1:200



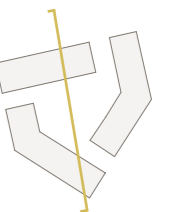
05

climate.



climate section summer

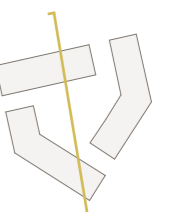
1:200 (scaled 85%)

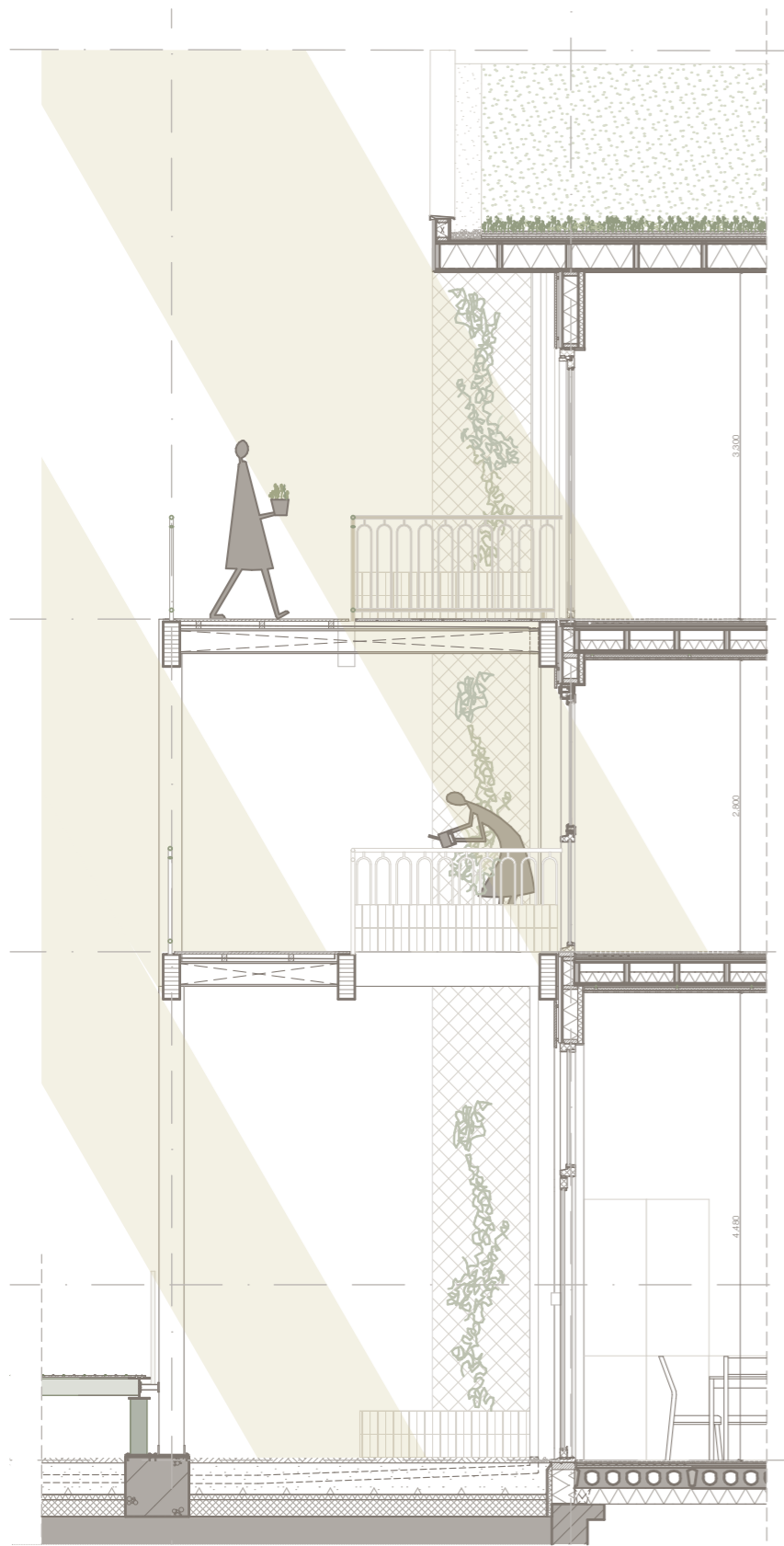




climate section winter

1:200 (scaled 85%)

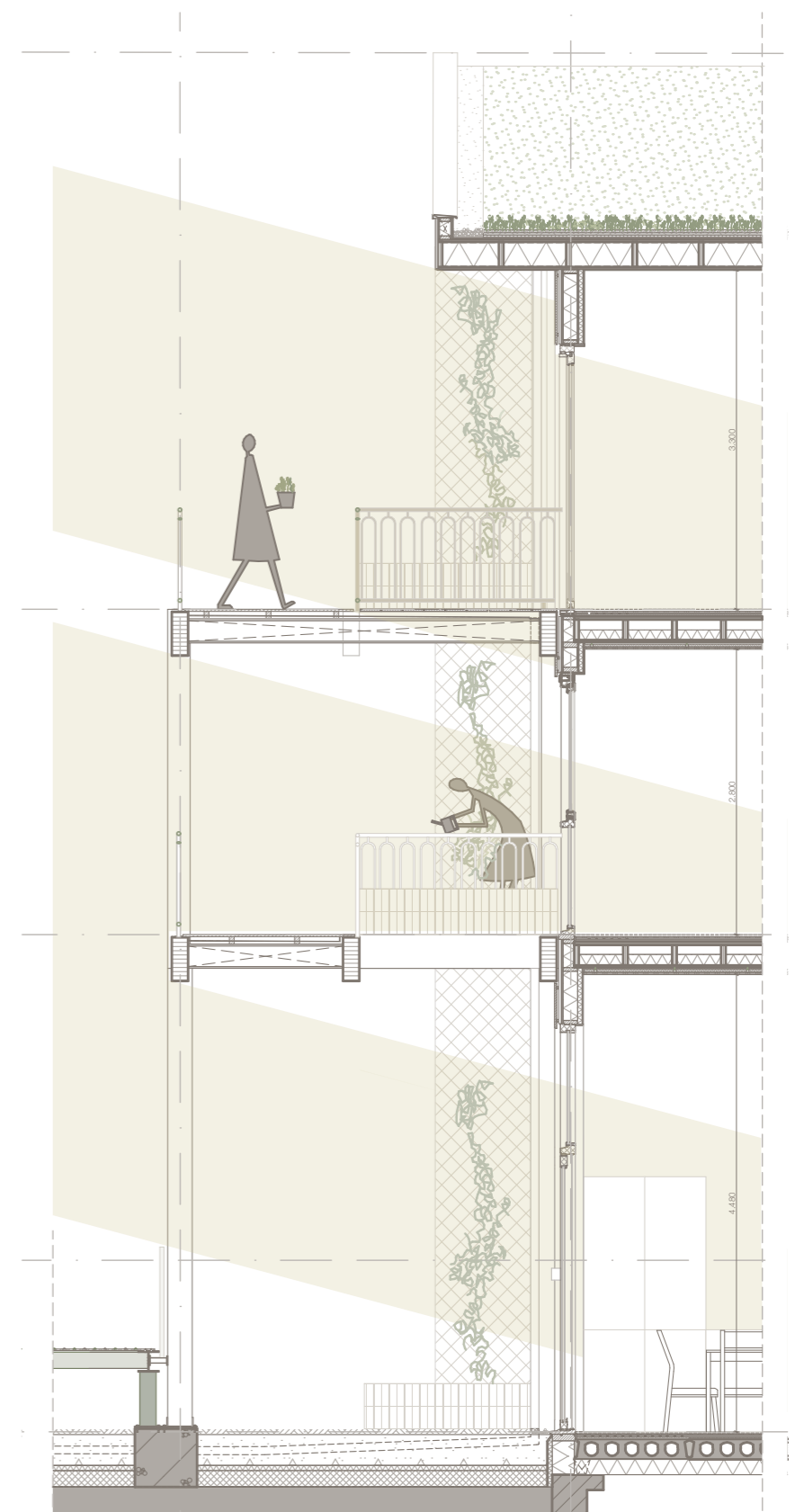




21/06/2026 13:00



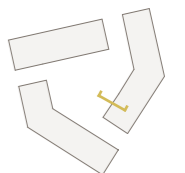
21/06/2026 17:00



21/01/2026 13:00

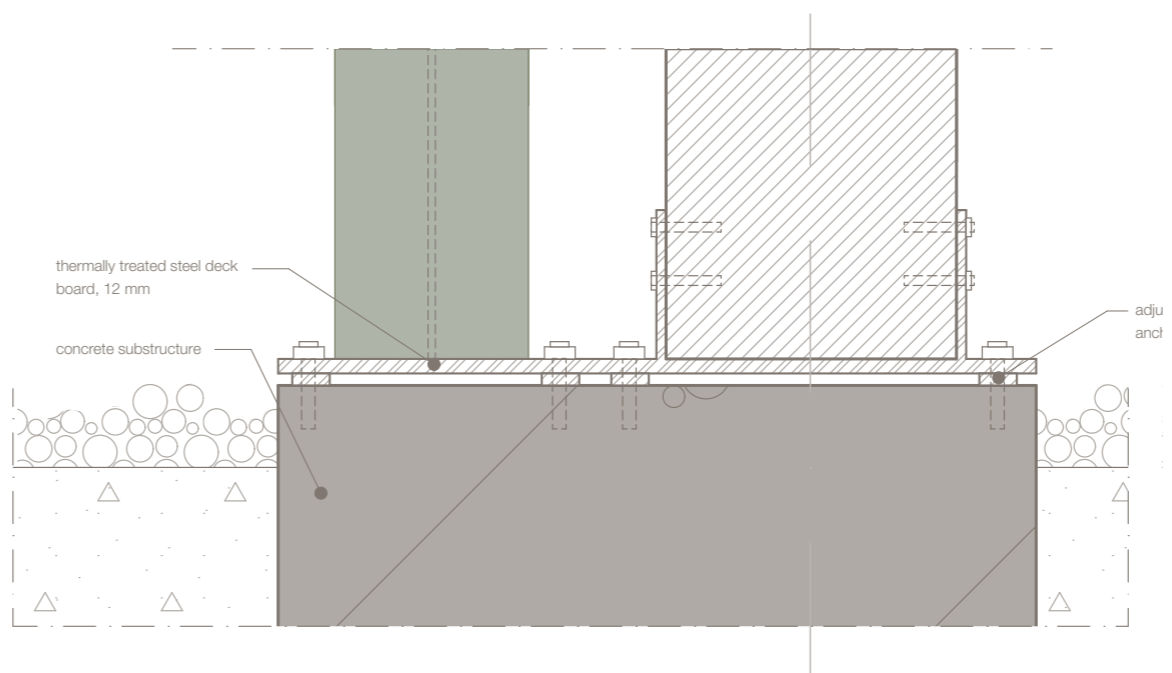
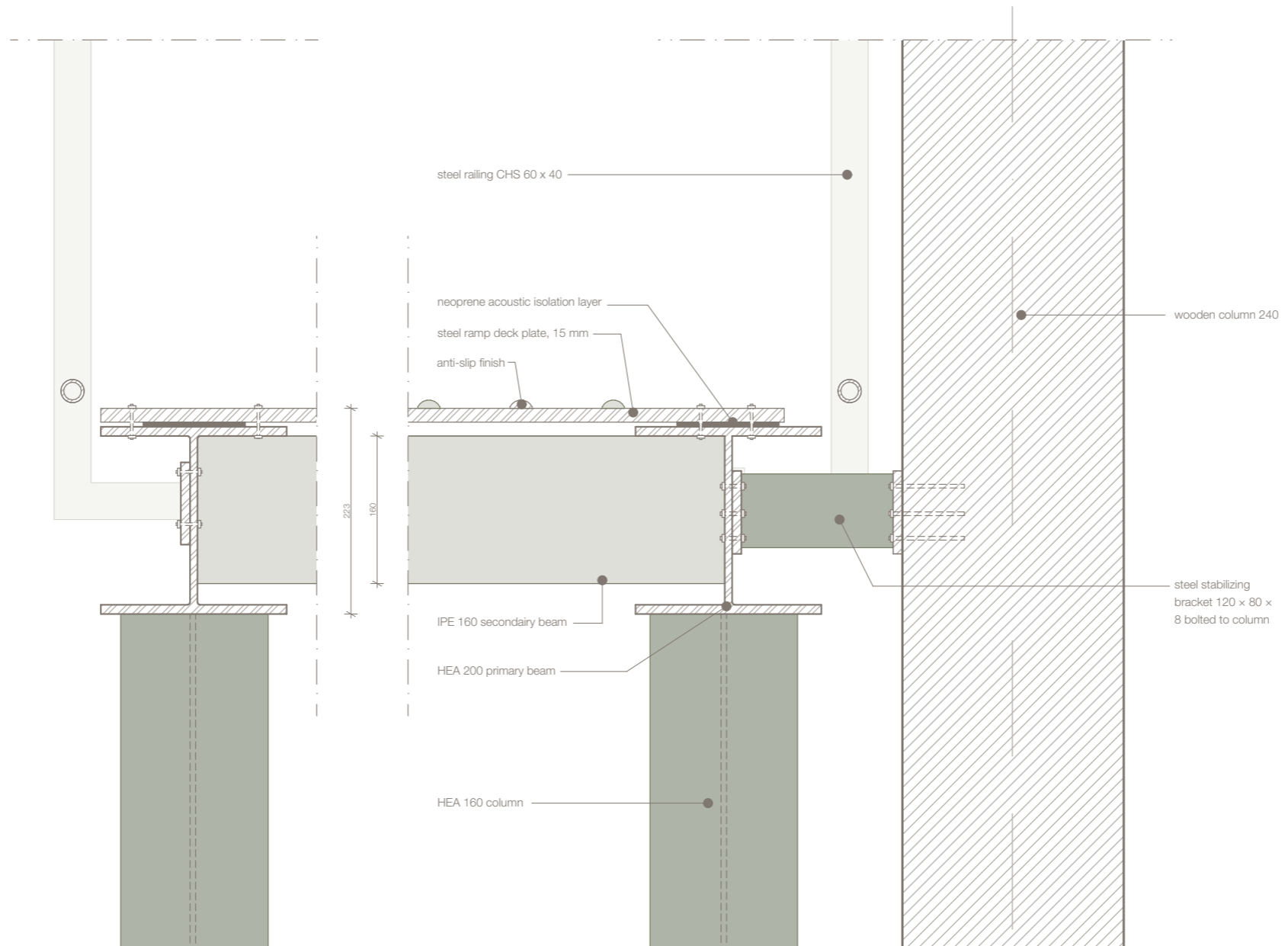
sunstudy access gallery

1:50 (scaled 75%)



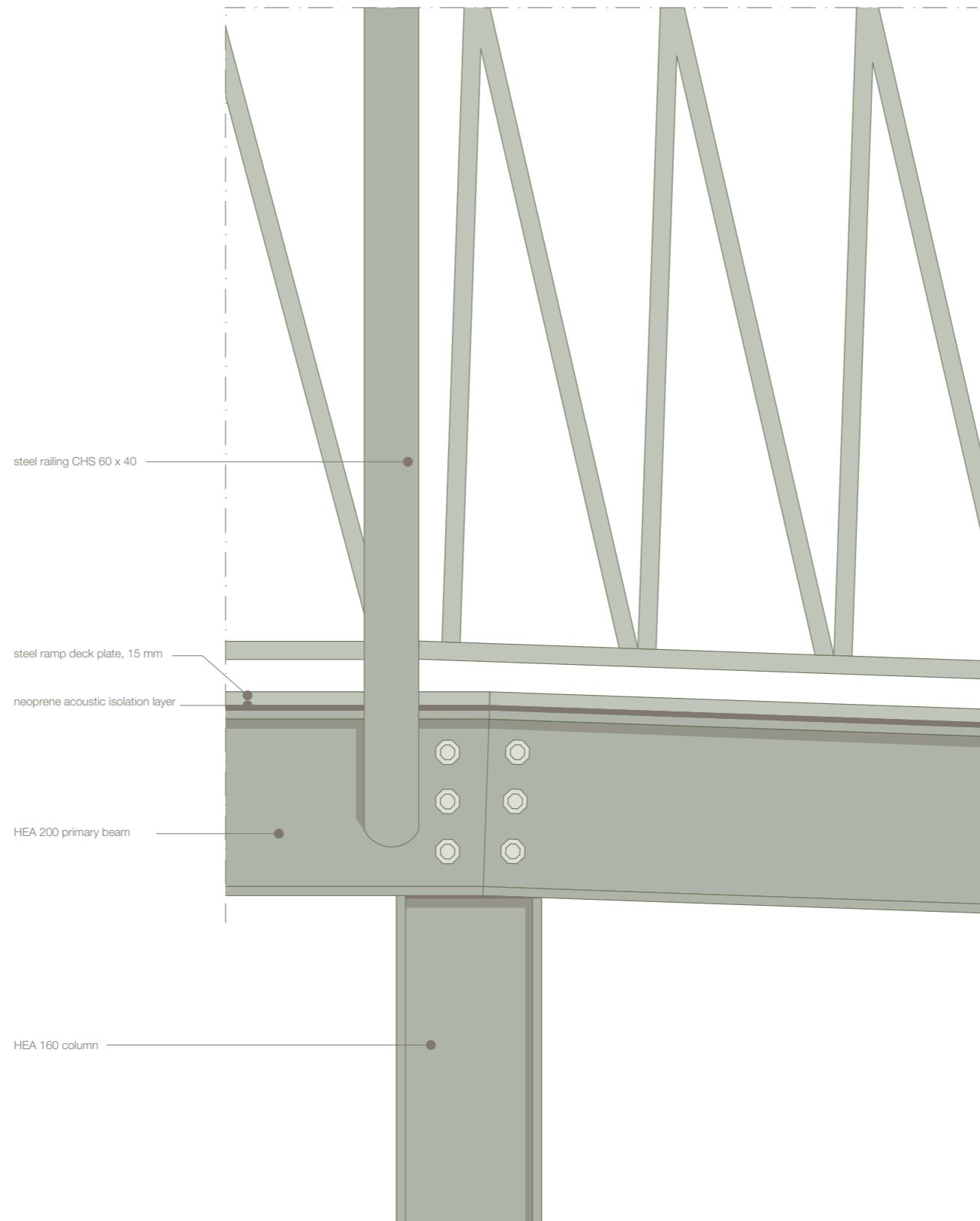
06

technical.



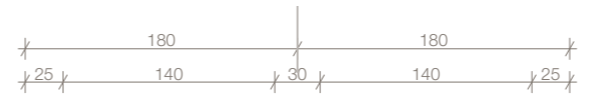
ramp detail

1:5



ramp detail

1:5



- Load-bearing wall**
- 2 x Fire-Resistant Gypsum Board (Gyproc): 12,5 mm
 - CLT, 140 mm
 - insulation, 30 mm
 - CLT, 140 mm
 - 2 x Fire-Resistant Gypsum Board (Gyproc): 12,5 mm

- Wall build-up: Rc. 7.0 m²K/W**
- Accoya timber cladding: 20 mm
 - Timber battens
 - Ventilated cavity: 20 mm
 - AGEPAN® DWD Protect windtight sheathing: 18 mm
 - Timber stud frame with Kingspan Kooltherm K12 insulation: 150 mm
 - Airtight vapour control layer
 - Insulated service cavity with timber battens and glass wool: 45 mm
 - Interior structural board / OSB: 12 mm
 - Fire-resistant gypsum plasterboard: 12.5 mm
 - Plaster finish: 8 mm

self-tapping structural timber screws Ø10 mm

neoprene acoustic isolation layer

steel stabilizing bracket
120 x 80 x 8 bolted to column

HEA 160 column

eindplaat kolom met bouten verbonden met ligger

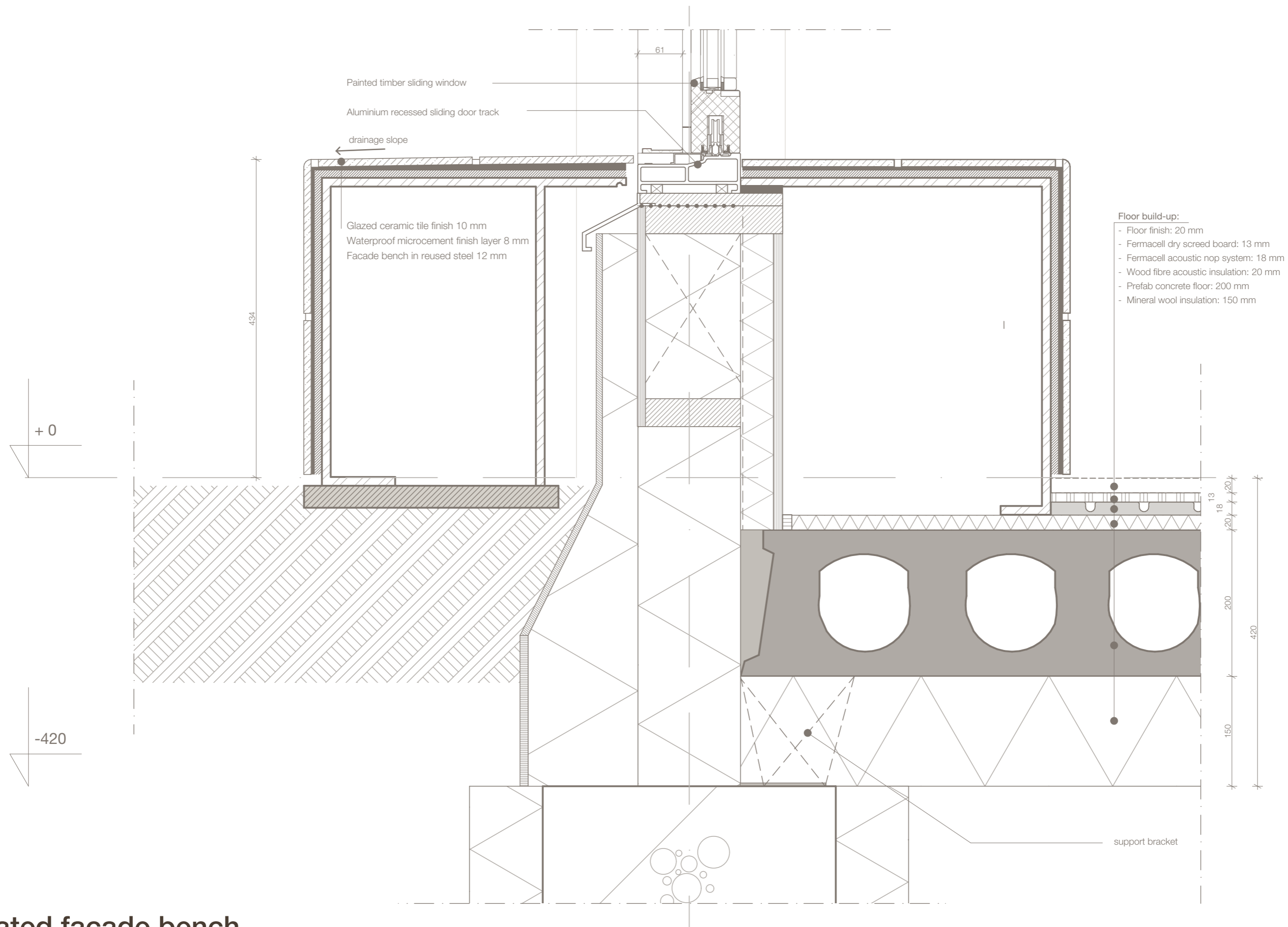
HEA 200 primary beam

IPE 160 secondary beam



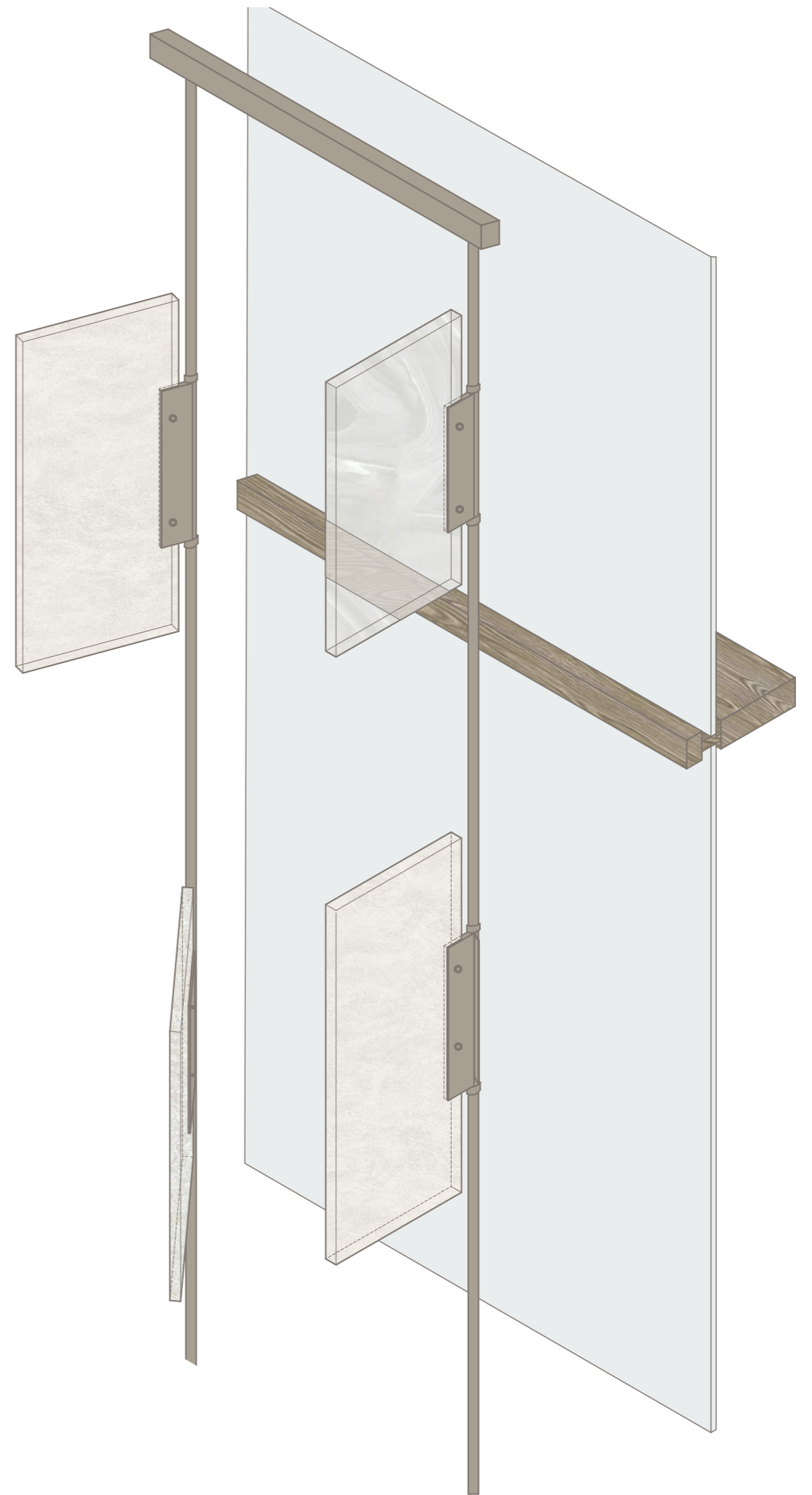
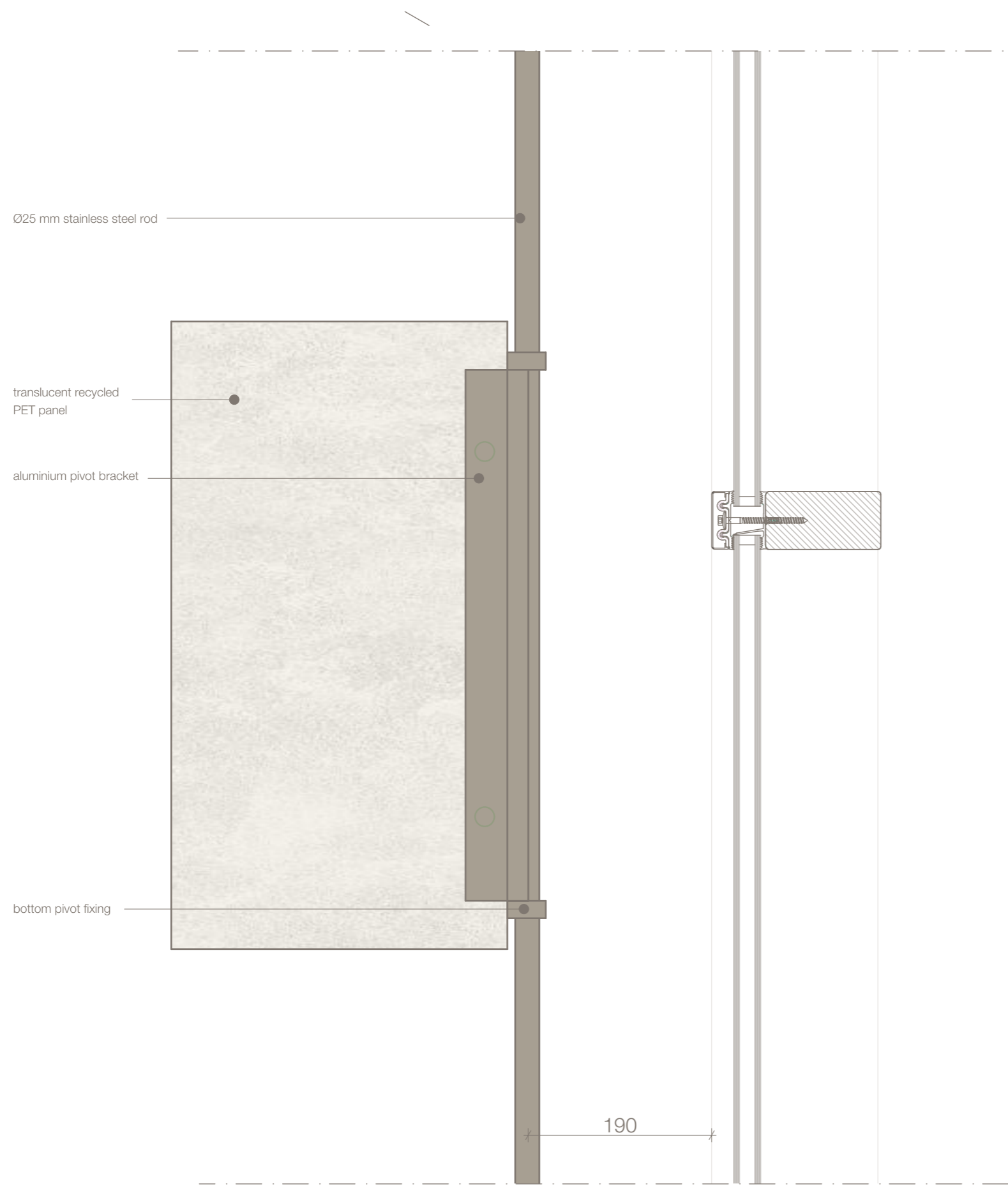
ramp detail

1:5



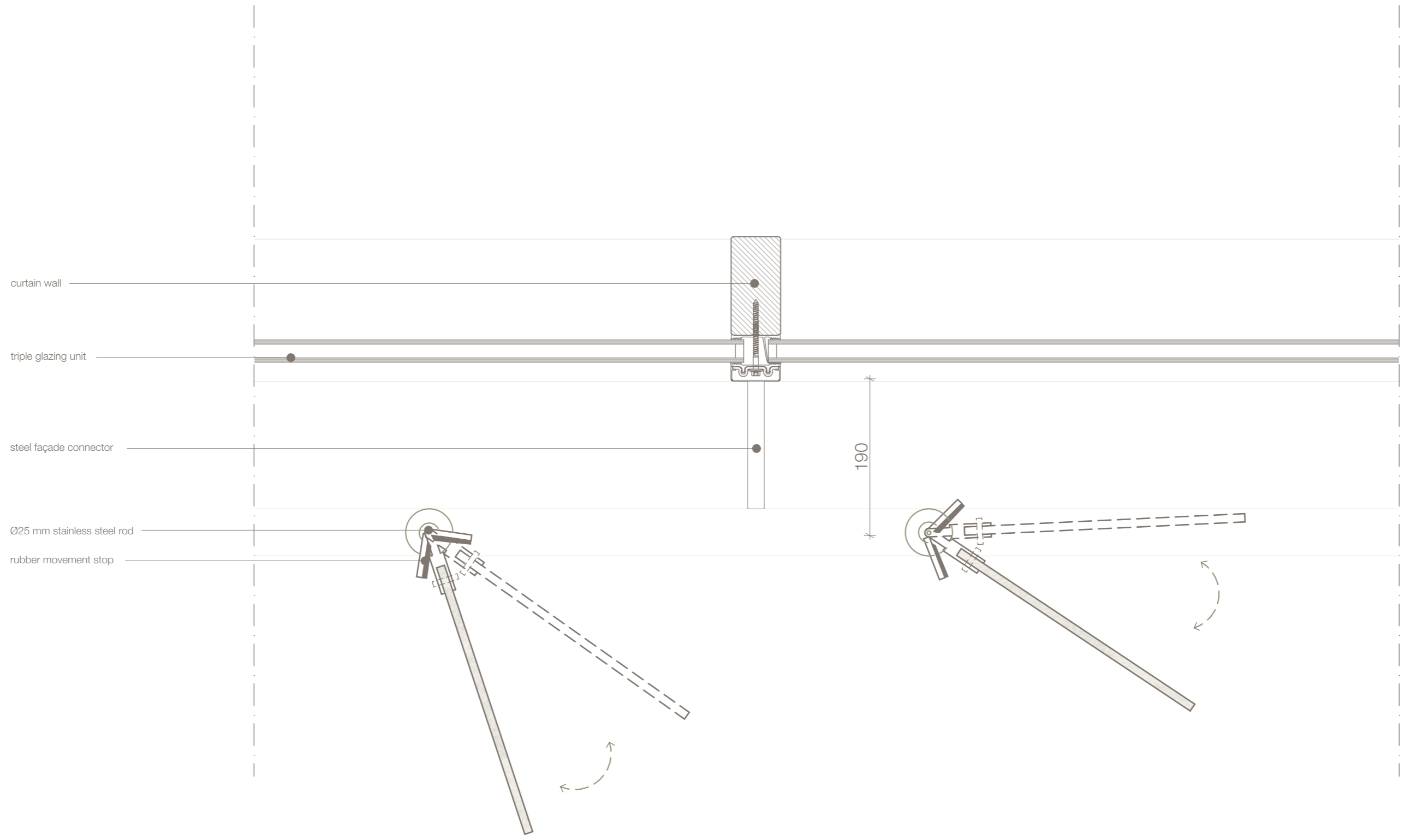
integrated facade bench

1:5



kinetic facade

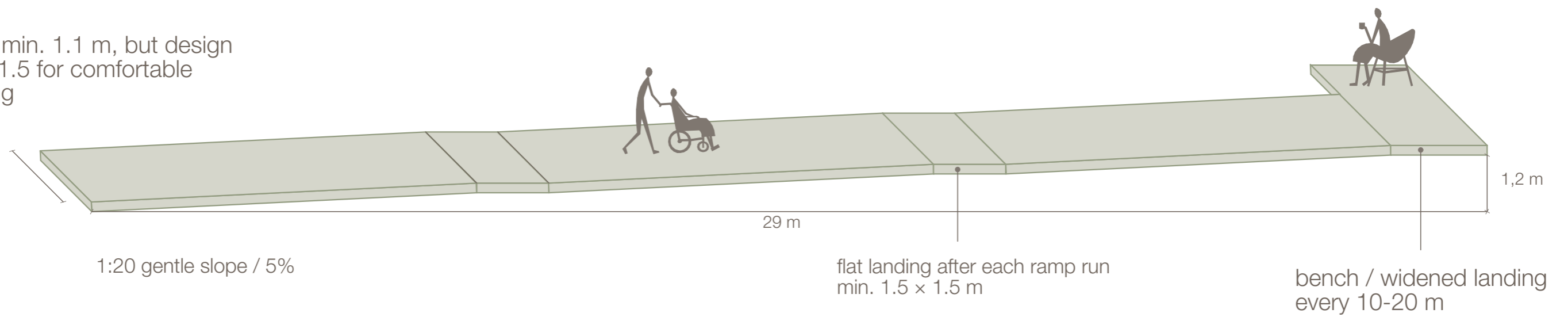
1:5



kinetic facade horizontal

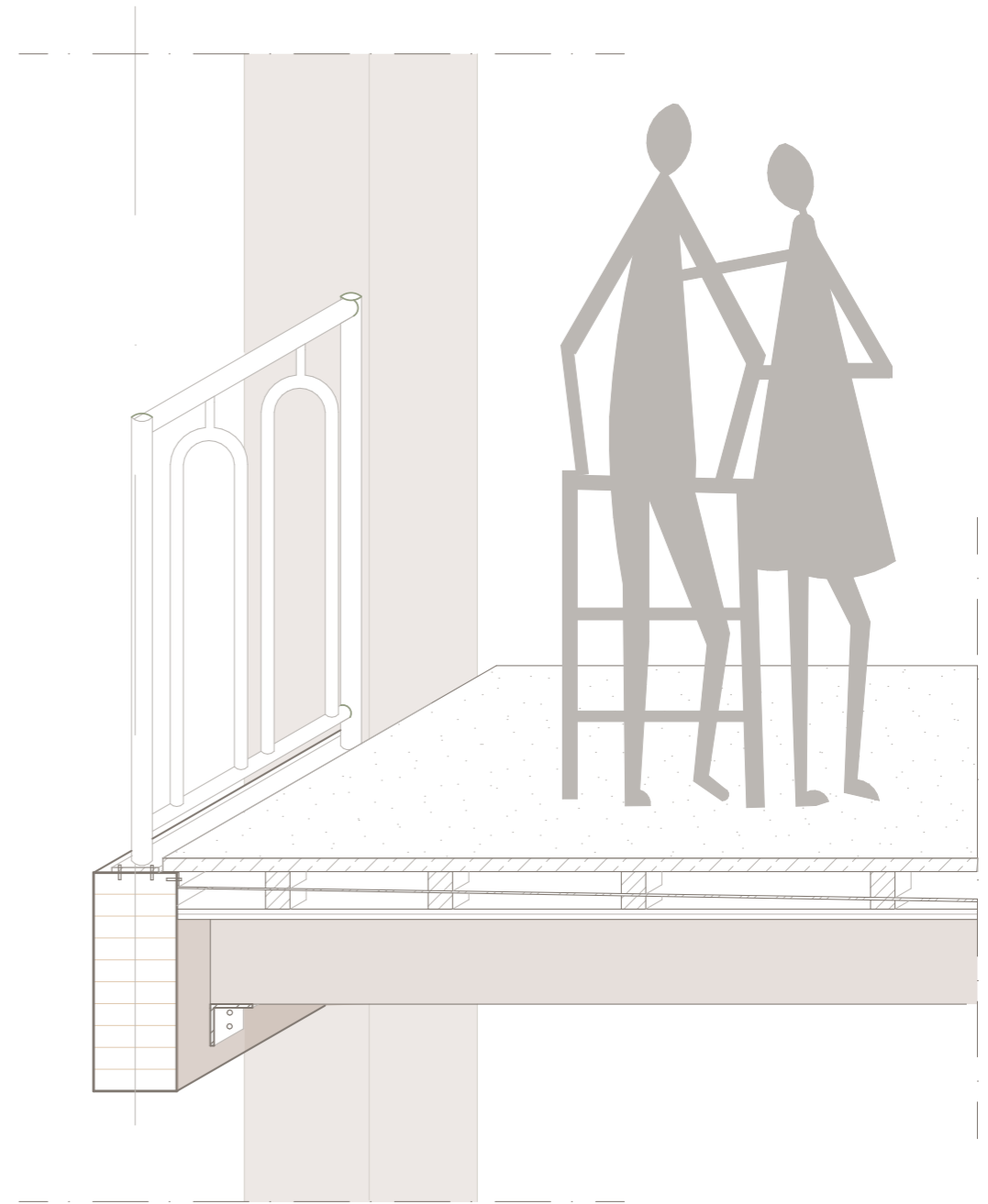
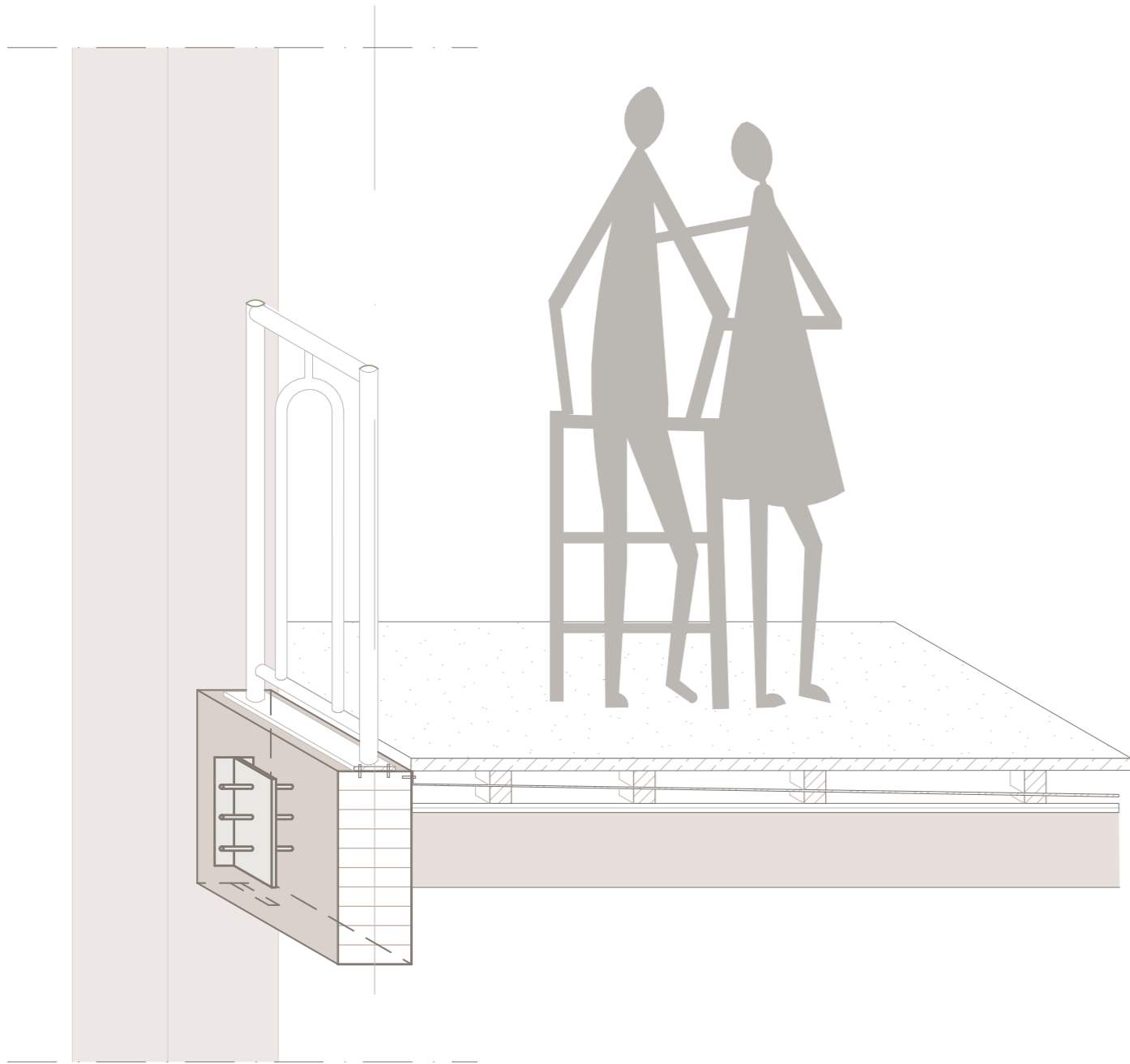
1:5

Width min. 1.1 m, but design width 1.5 for comfortable passing



ramp calculation

1:100



3D detail access gallery

1:10