

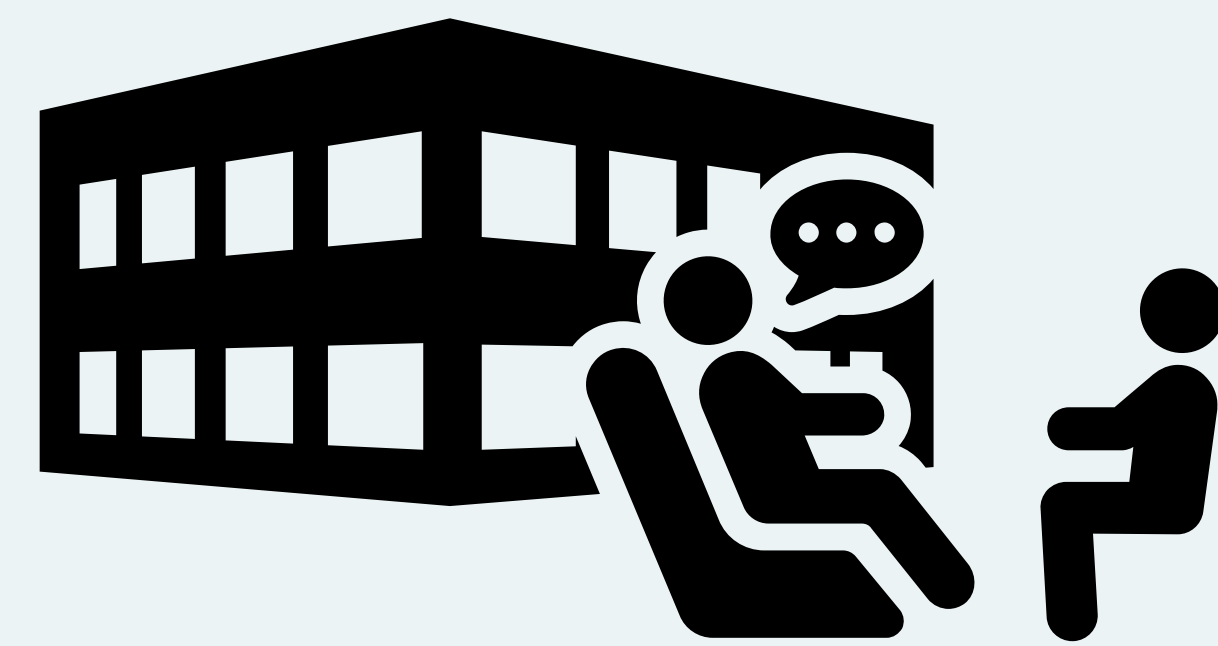
Own your treatment space

Designing for Health and Care
P5 presentation
Thijs Kalkhoven
4684079
June 27th 2023

First tutor: Elke Miedema
Second tutor: Jos Lafeber
Third tutor: Leo Oorschot

Dutch psychiatric care

Living at home
(out-patient)
preferred

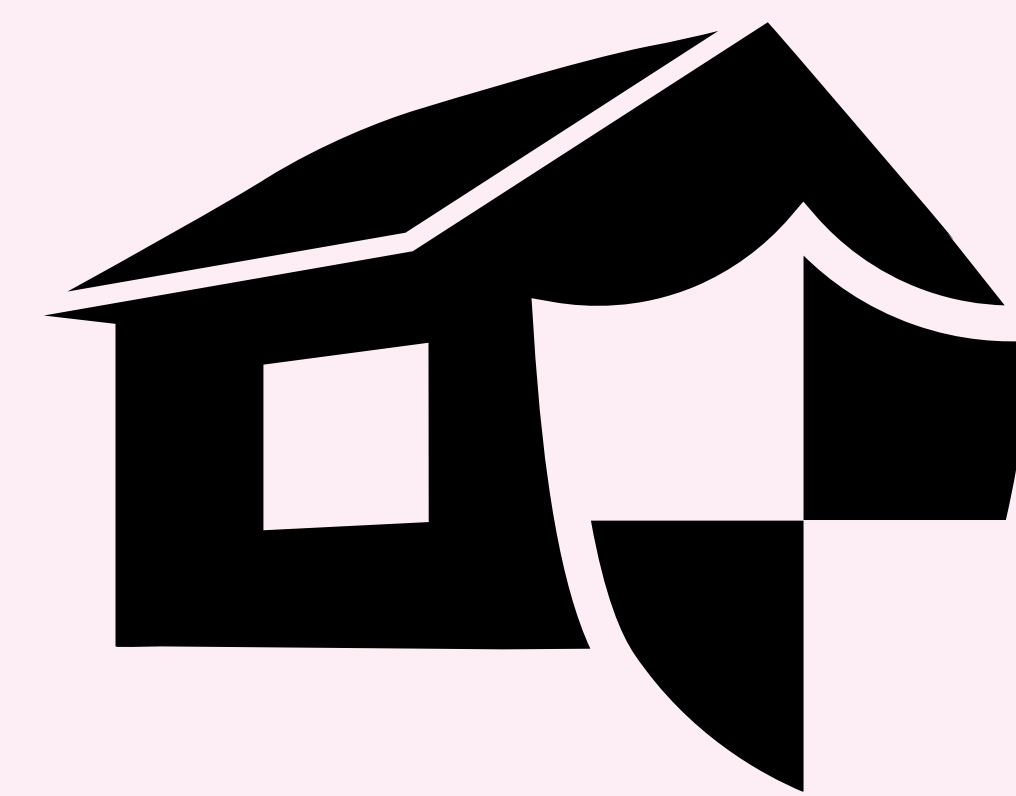


Polyclinic

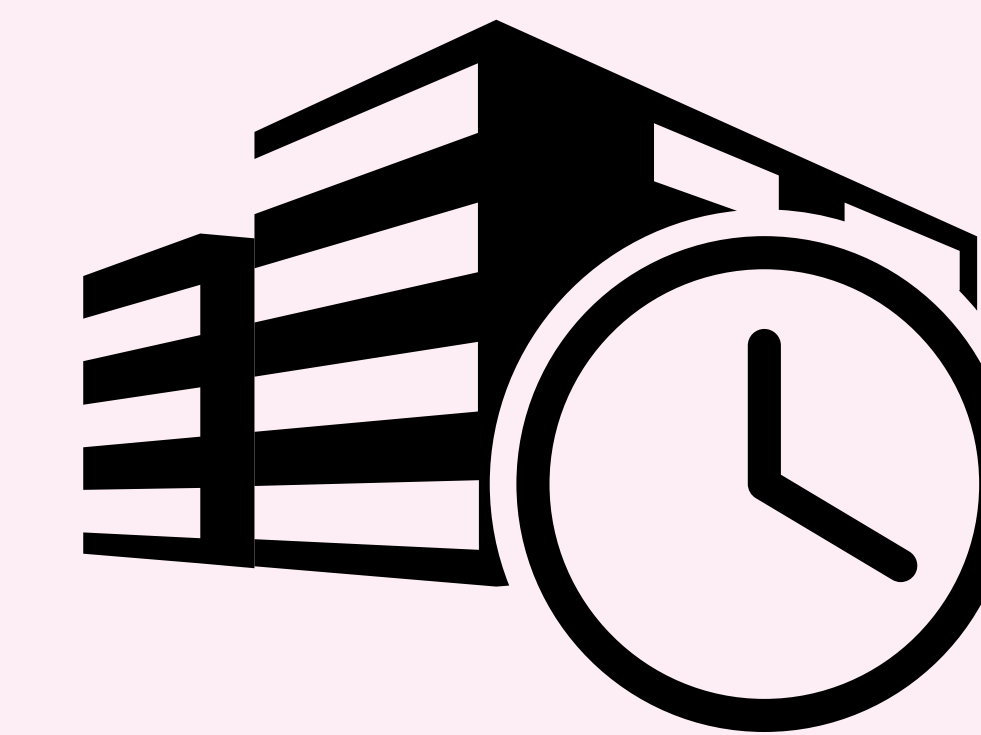


Daycare facility

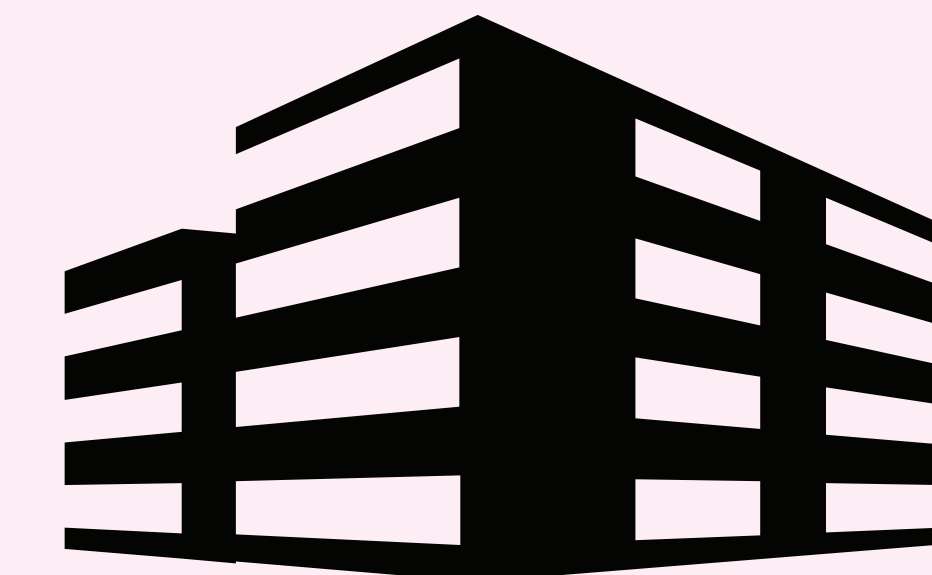
Being admitted
(in-patient)
only if necessary



Protected living



Crisis clinic



Psychiatric clinic



Penitentiary centre

Problem statement

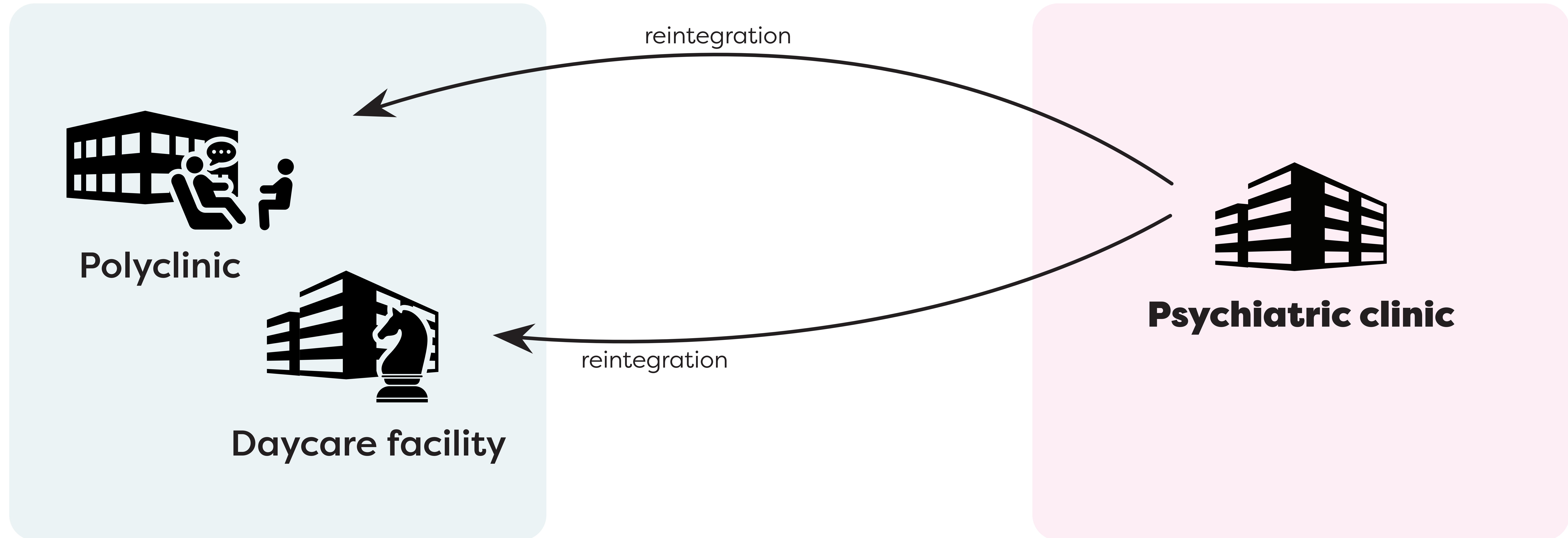
'The feeling that a person is in control of his or her environment [...] is very fortifying. [...] the feeling that you are totally out of control is absolutely disempowering.'

Golembiewski, 2014

Aim

Living at home
(out-patient)
preferred

Being admitted
(in-patient)
only if necessary



Research

research question

Which elements of architecture and the built environment can support the reintegration of a patient from a safe and controlled **psychiatric clinic** to their own home by increasing the **autonomy** of living?

1. In which ways is it possible for architecture to influence the **autonomy** patients have?
2. What role play architectural types of **psychiatric clinics** that are or were already in use in the Netherlands in influencing autonomy?
3. What is the role of the specific urban context and direct environment around **psychiatric clinics**?

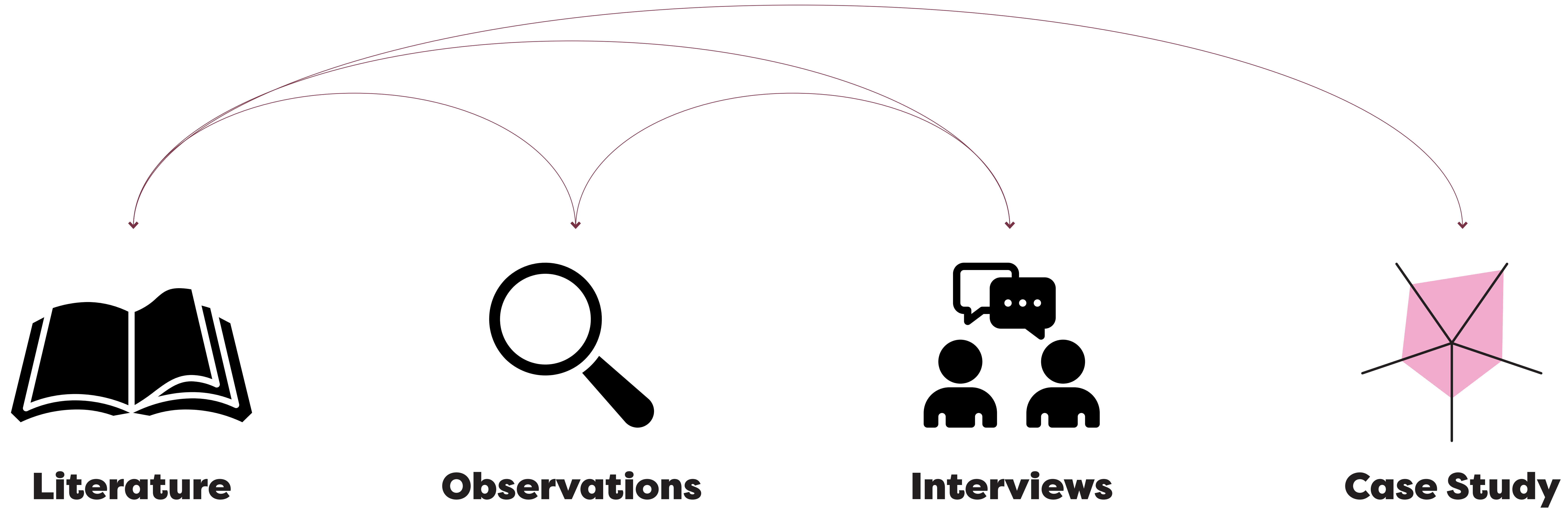
Elements of architecture and the built environment: For this research, these are defined as all elements related to a building design, for example daylight, spatial relations, location, the relation of the garden with the building and programme.

Psychiatric clinics: Locations that offer 24/7 psychiatric help while the patient lives within the building for a certain period of time. This can be temporal, but also permanent (GGZ Noord-Holland-Noord, n.d.).

Autonomy: Having the possibility to influence something by your own ideas and preferences. (Dictionary.com, n.d.-a)

Methods

research question



Field Work

Observations and Interviews



Gardening



Cooking training



Drawing workshop



Sjoelen

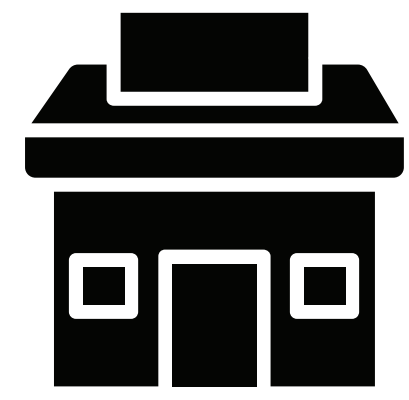


Improv drama

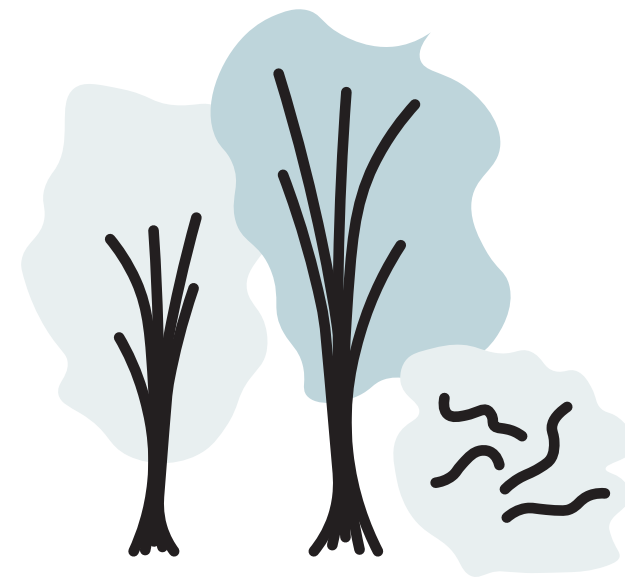
Results

guidelines to increase autonomy

Surroundings



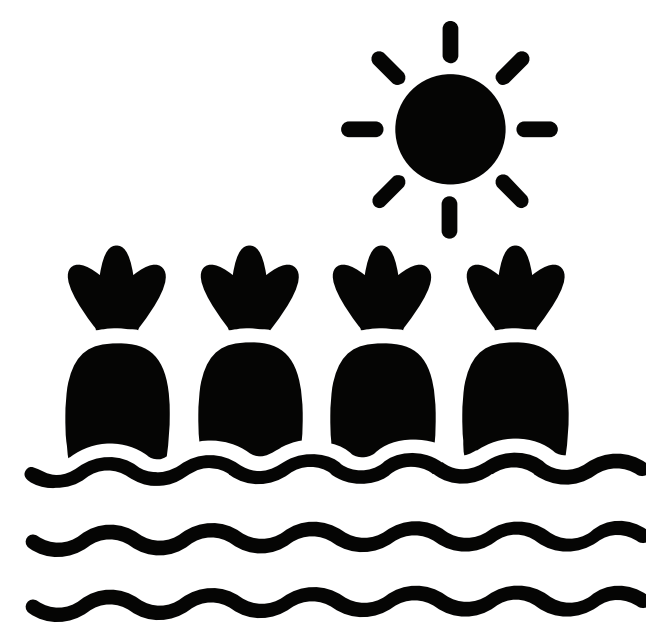
Functions in surroundings



Nature in surroundings



Different outdoor areas



Vegetable garden

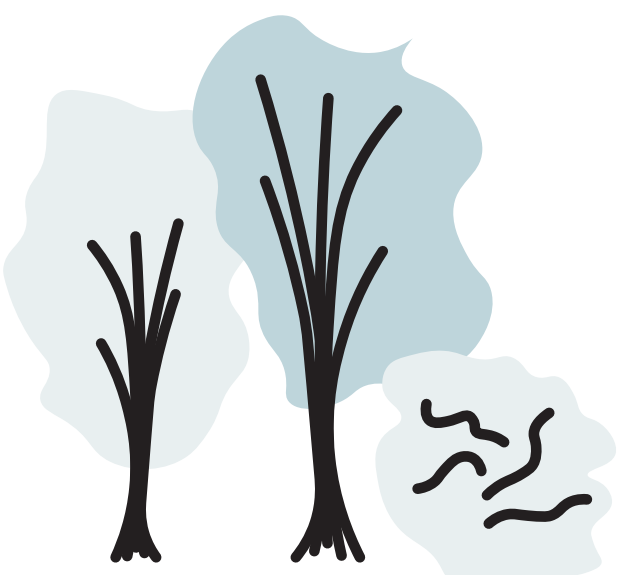
Results

guidelines to increase autonomy

Surroundings



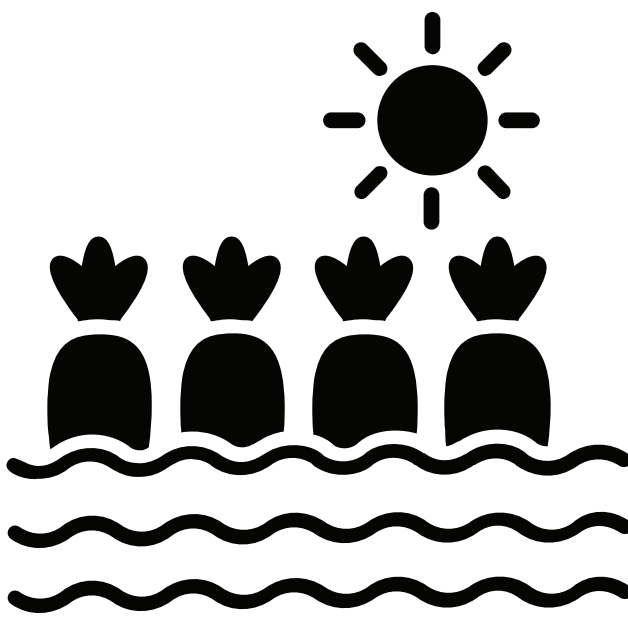
Functions in surroundings



Nature in surroundings

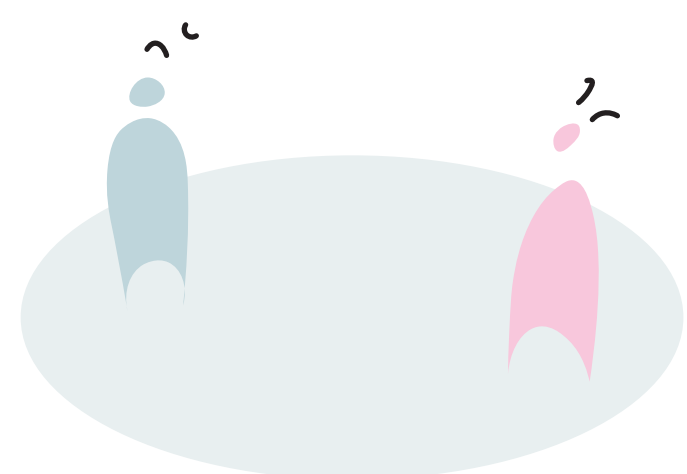


Different outdoor areas

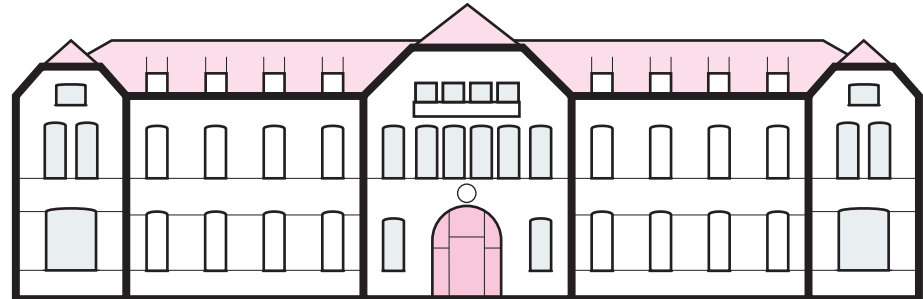


Vegetable garden

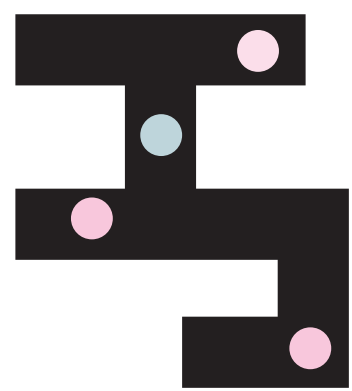
Building



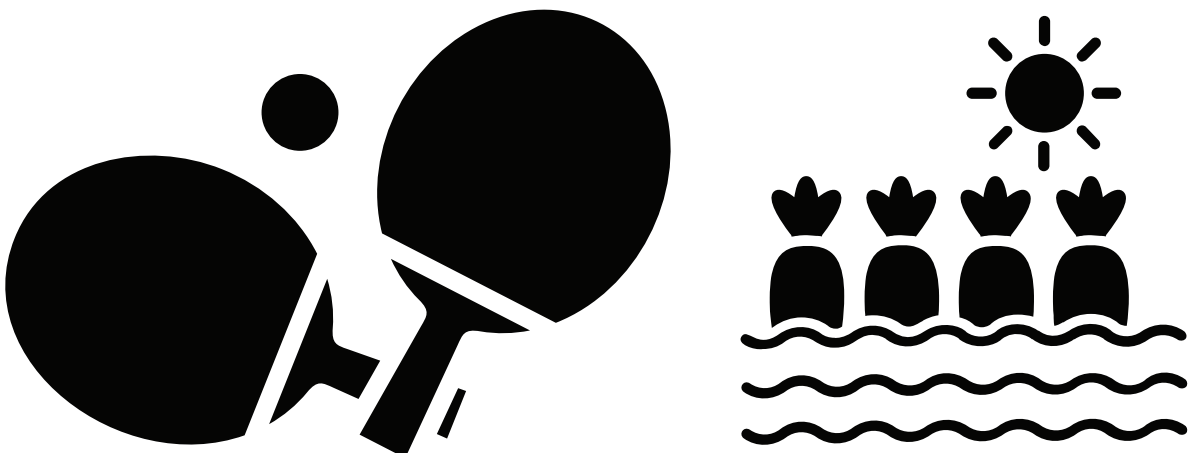
Spaces to meet



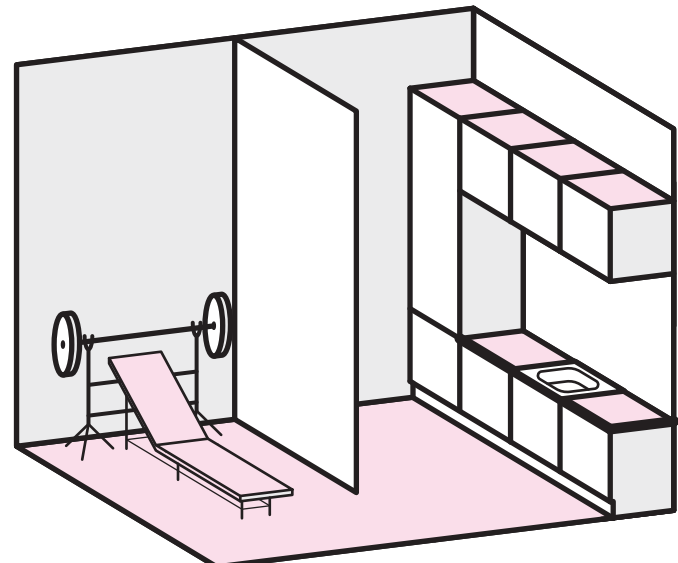
Minimize stigmatization



Multiple living rooms



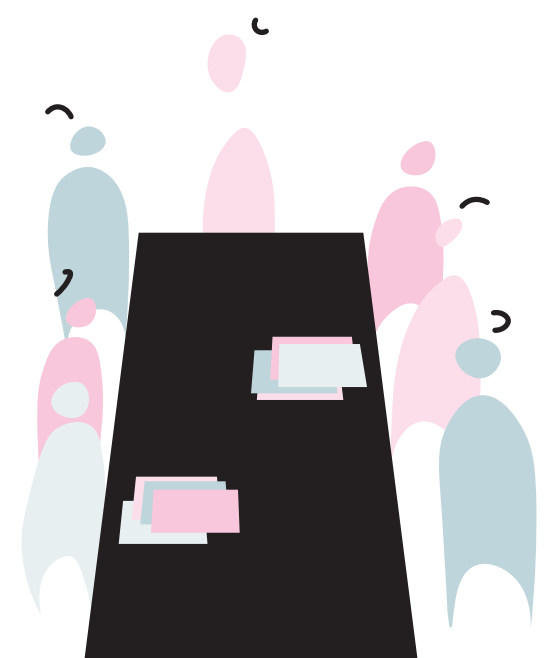
Making activities possible



Sports and cooking



Cosy and Safe

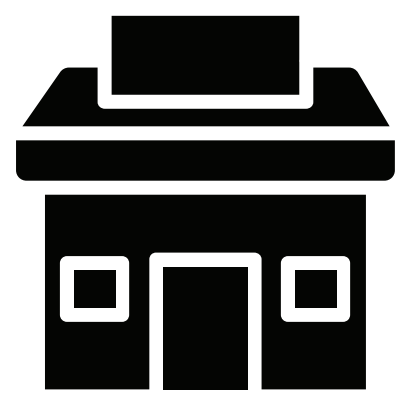


Patient's committee

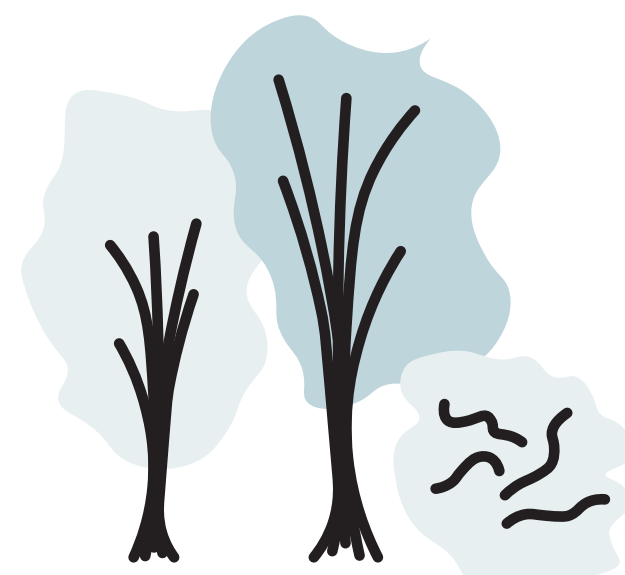
Results

guidelines to increase autonomy

Surroundings



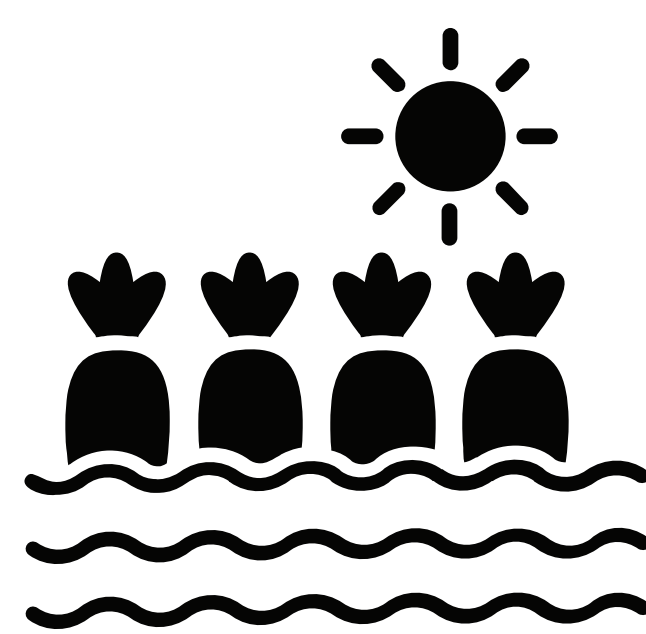
Functions in surroundings



Nature in surroundings

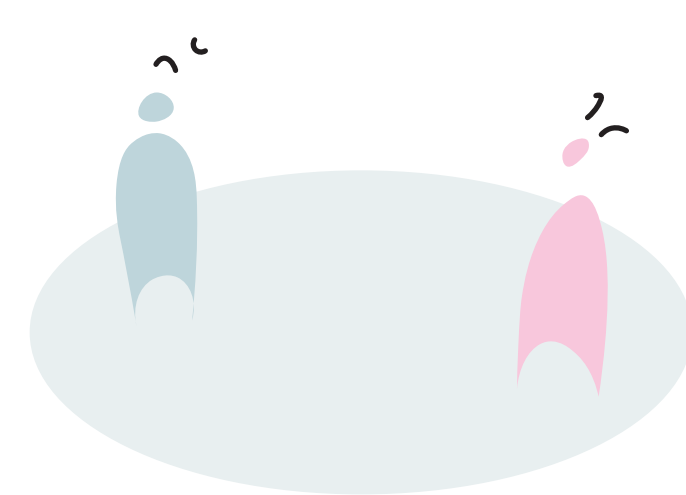


Different outdoor areas

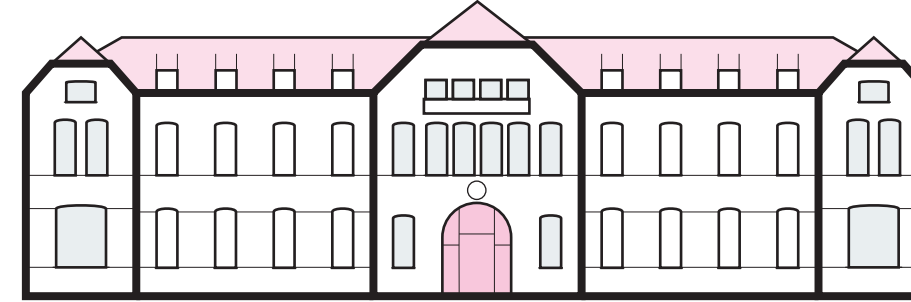


Vegetable garden

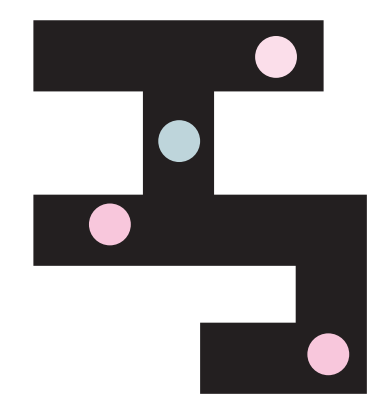
Building



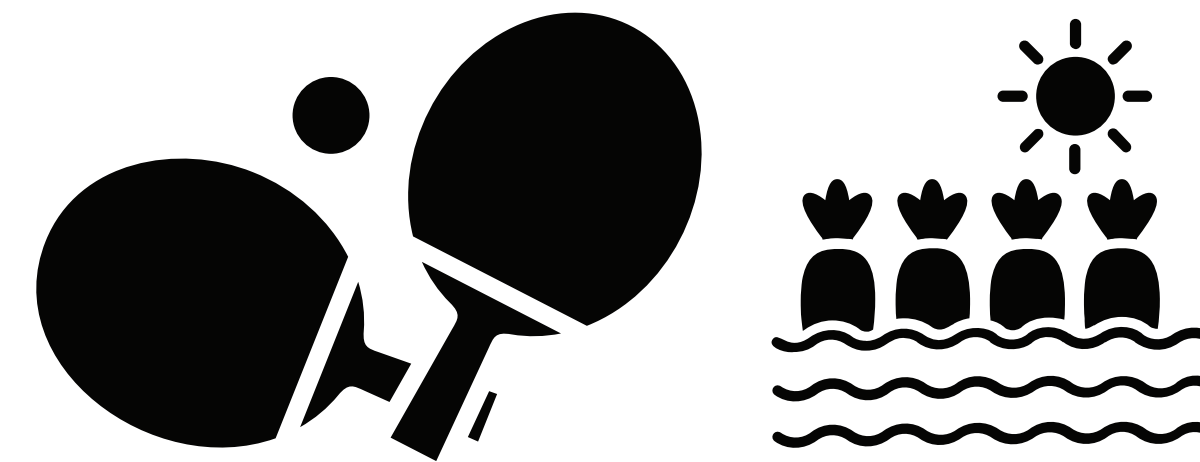
Spaces to meet



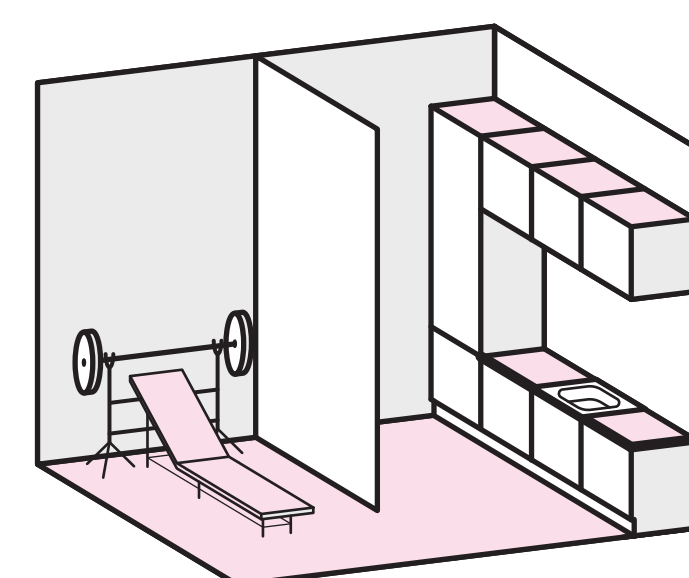
Minimize stigmatization



Multiple living rooms



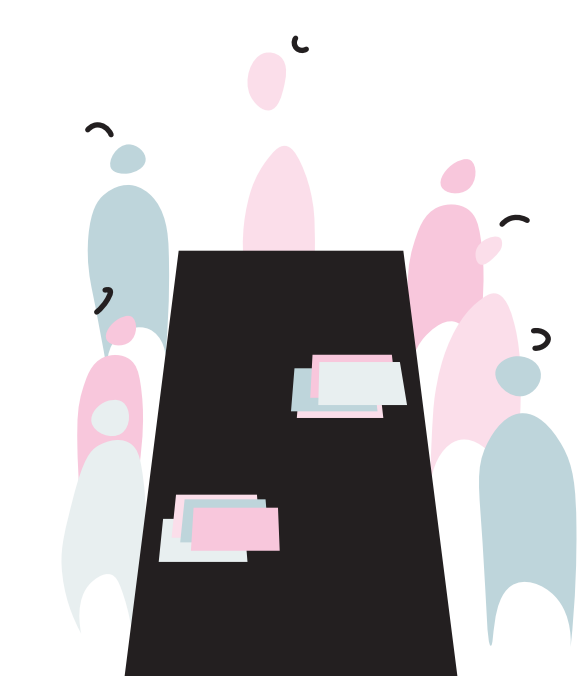
Making activities possible



Sports and cooking

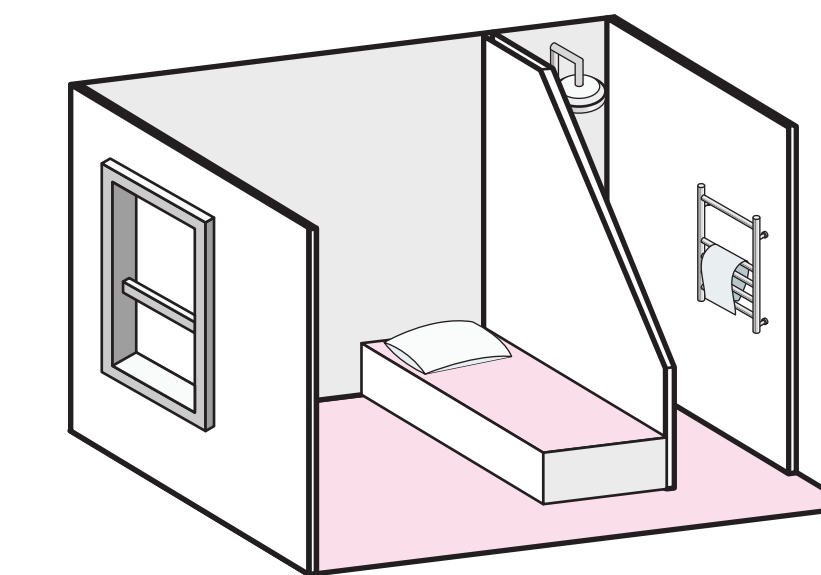


Cosy and Safe

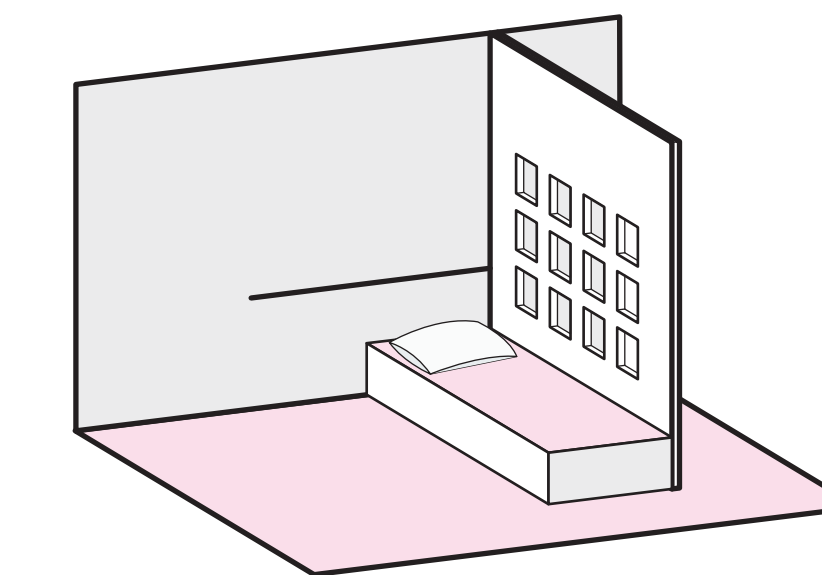


Patient's committee

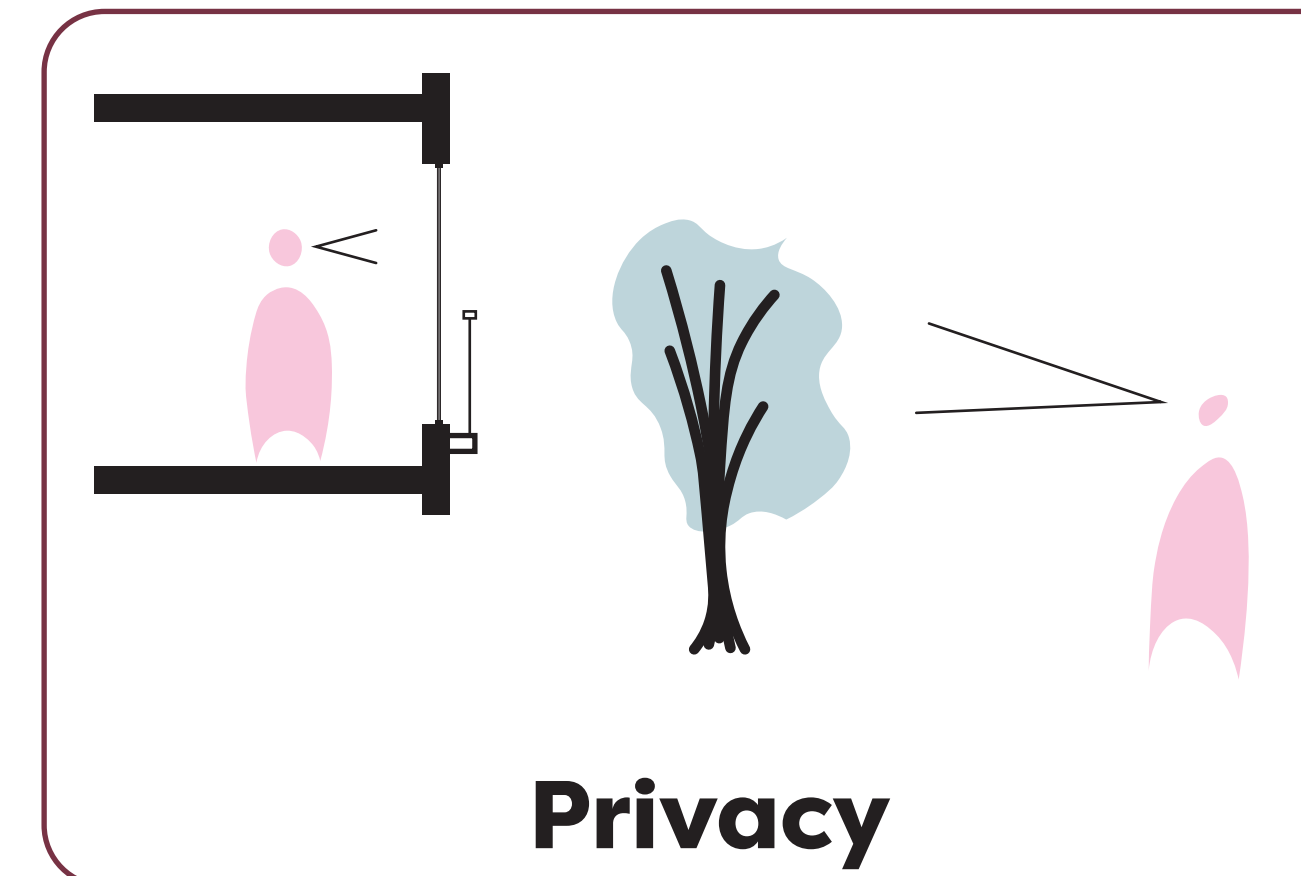
Private rooms



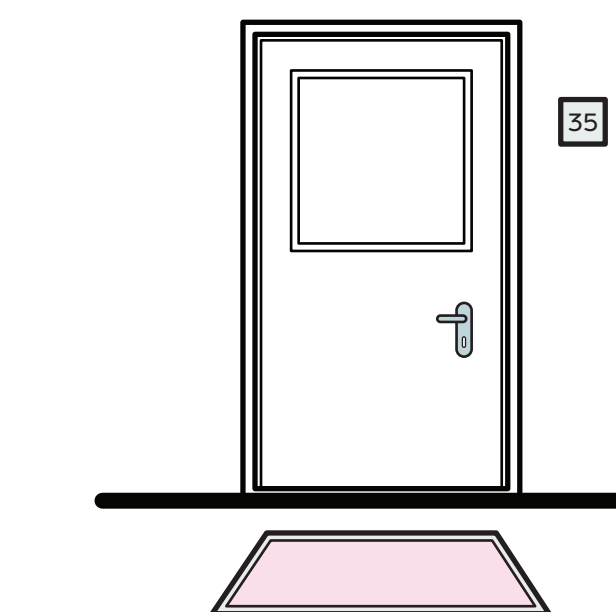
Individual apartments



Designed to personalize



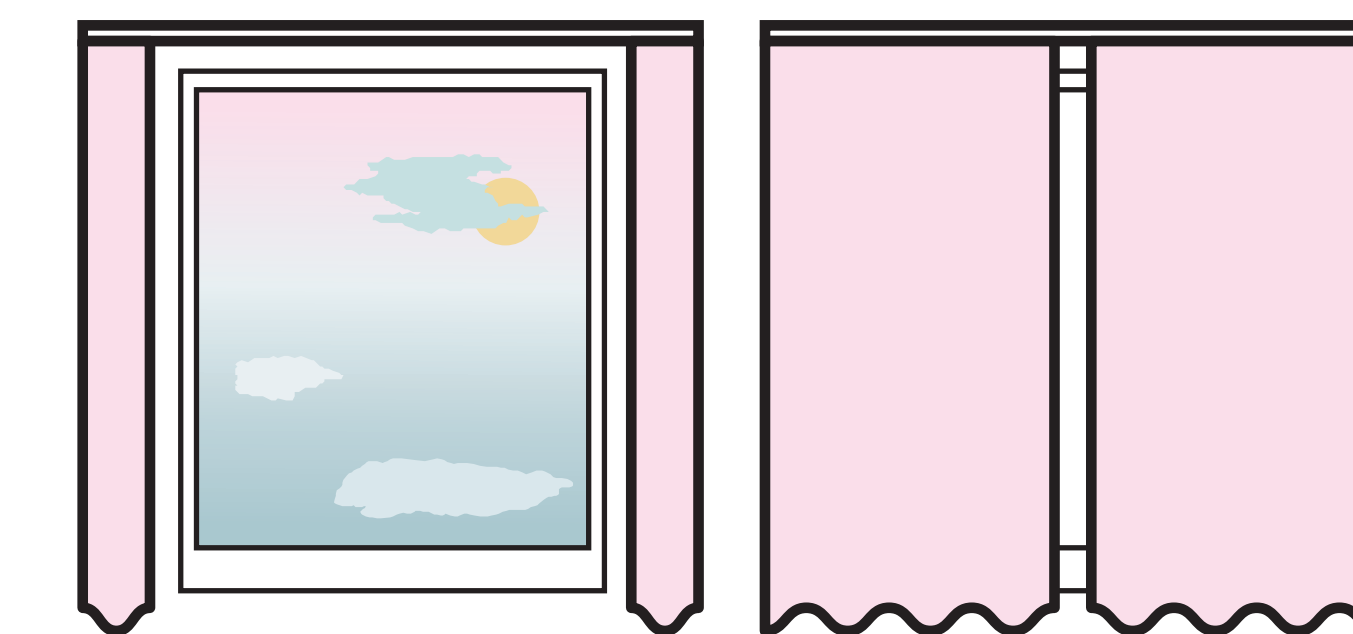
Privacy



Showing progress



Being able to retreat



Feeling in control

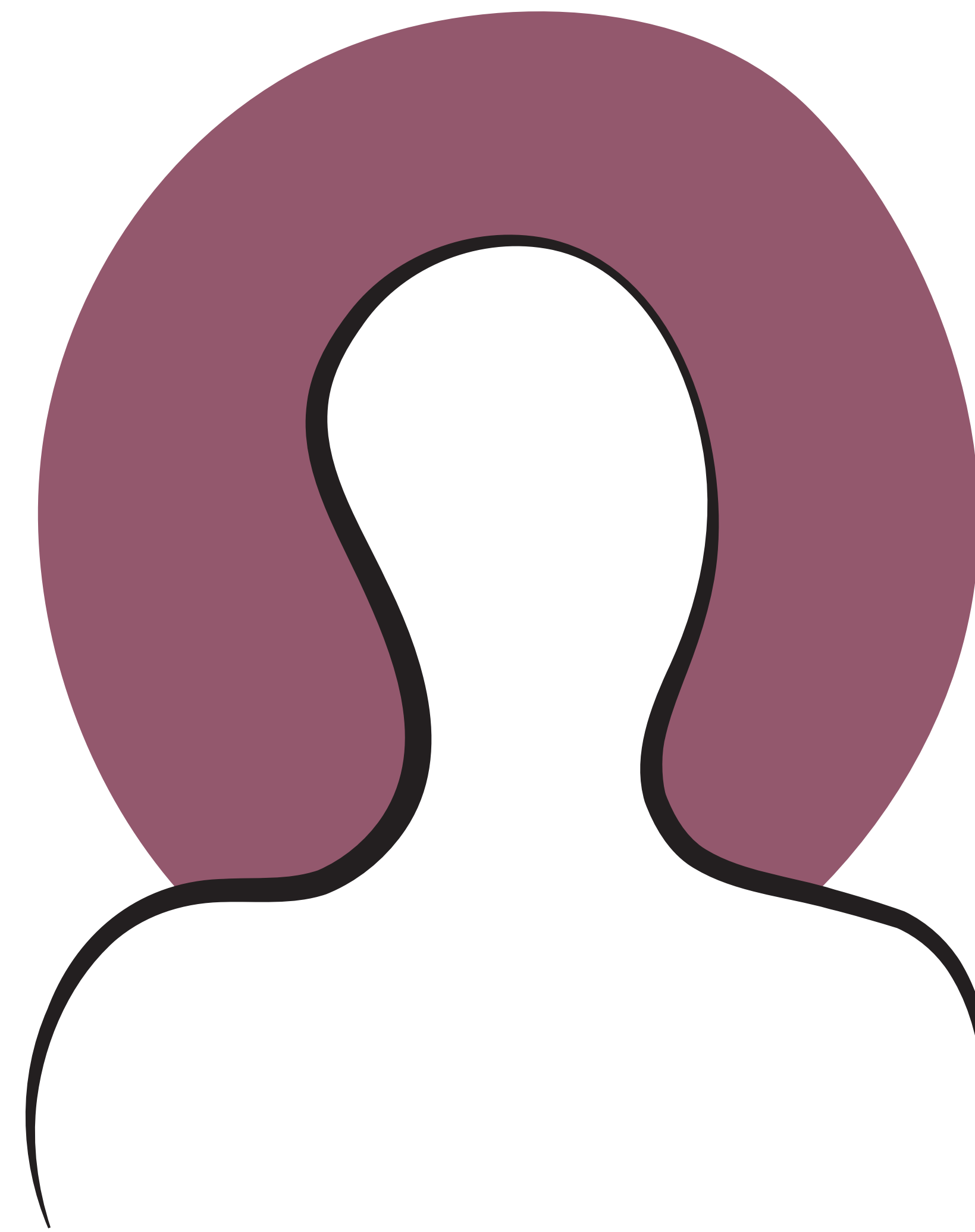
Results from research

personas



Finley (27)

- Bad psychosis 4 months ago
- Often woke up with nightmares
- Often goes into the city
- Started their job again



Alex (46)

- He's lived with father until 42
- Was diagnosed with schizophrenia
- Has been admitted for 8 months
- Has started wood working

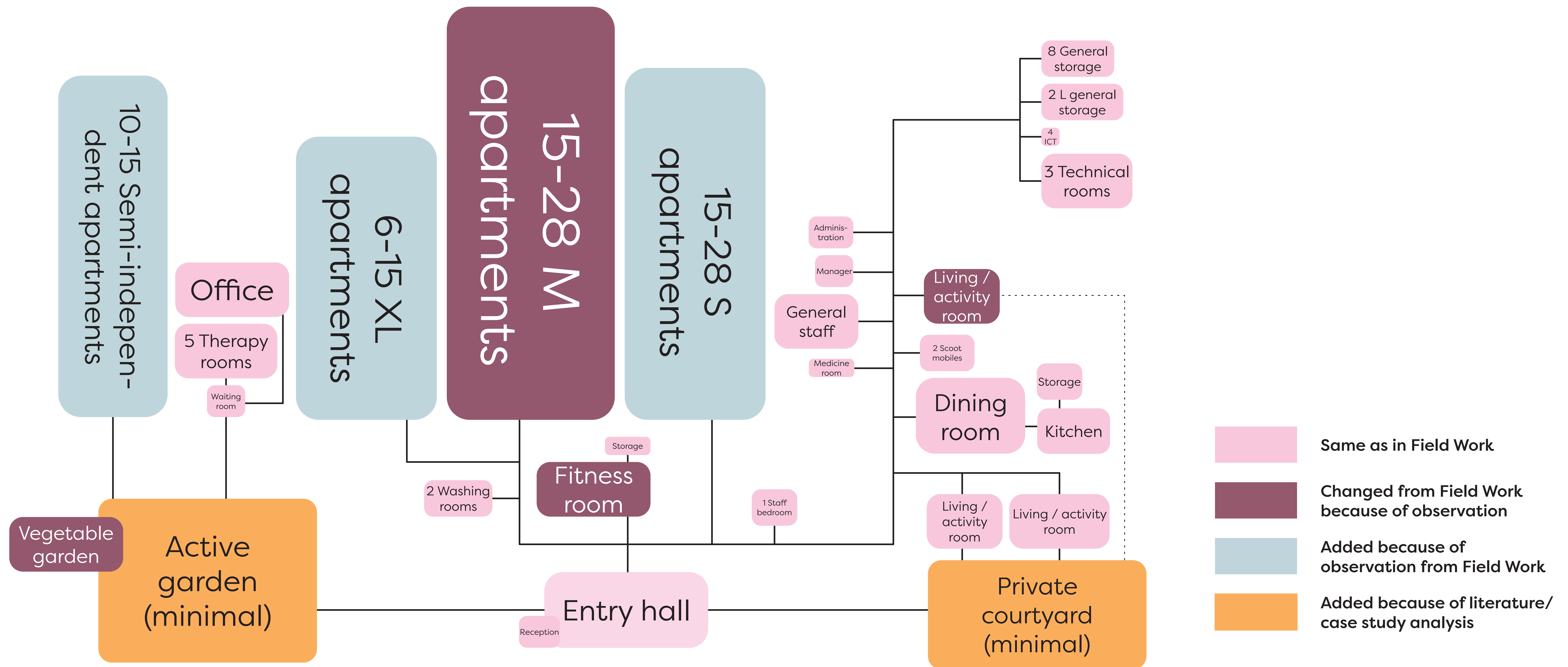


Mary (65)

- She divorced four years ago
- Has struggled with bipolar disorder
- Was discharged one year ago
- She now visits the walk-in daycare

Design

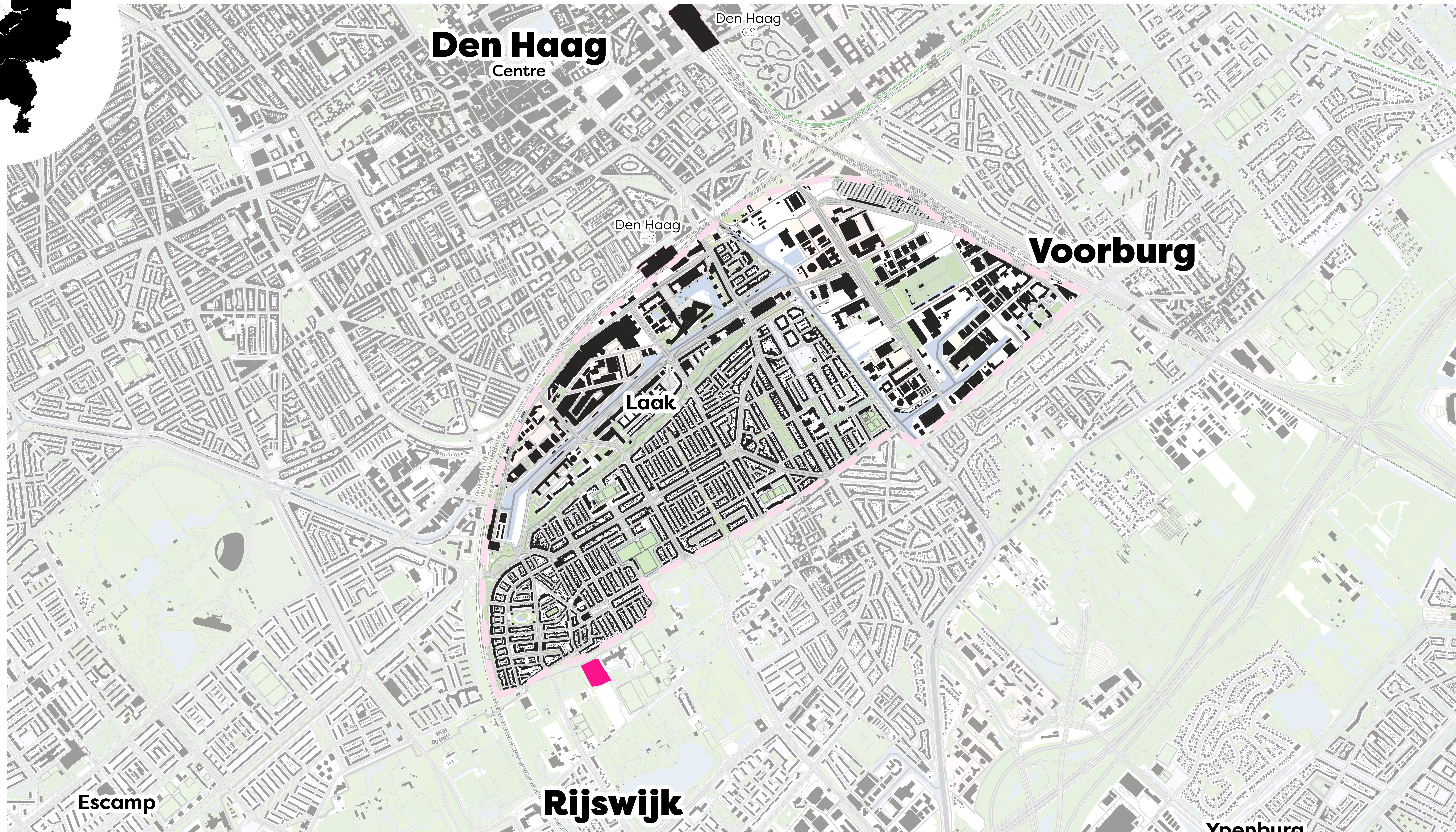
Programme relations



Site

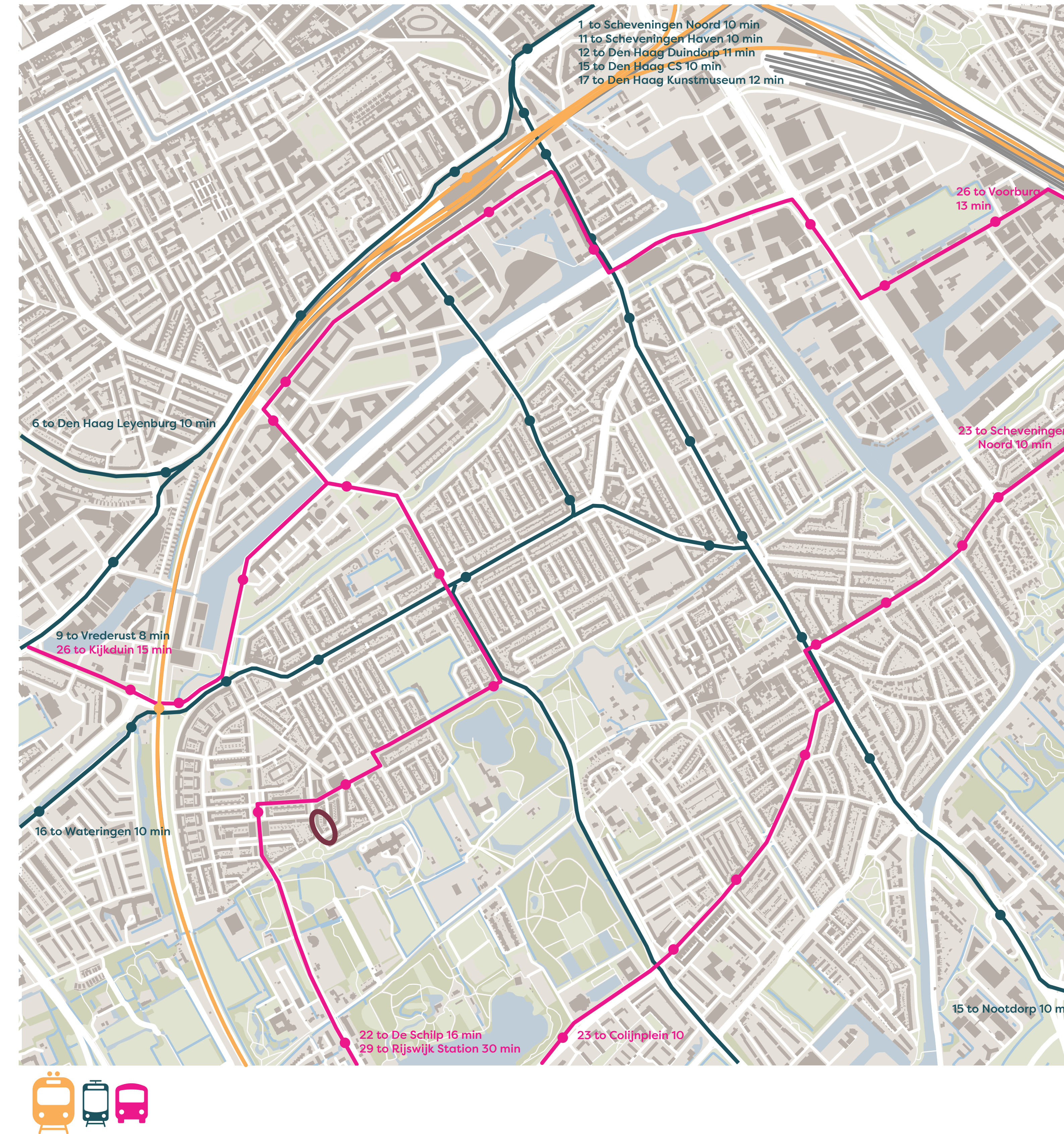
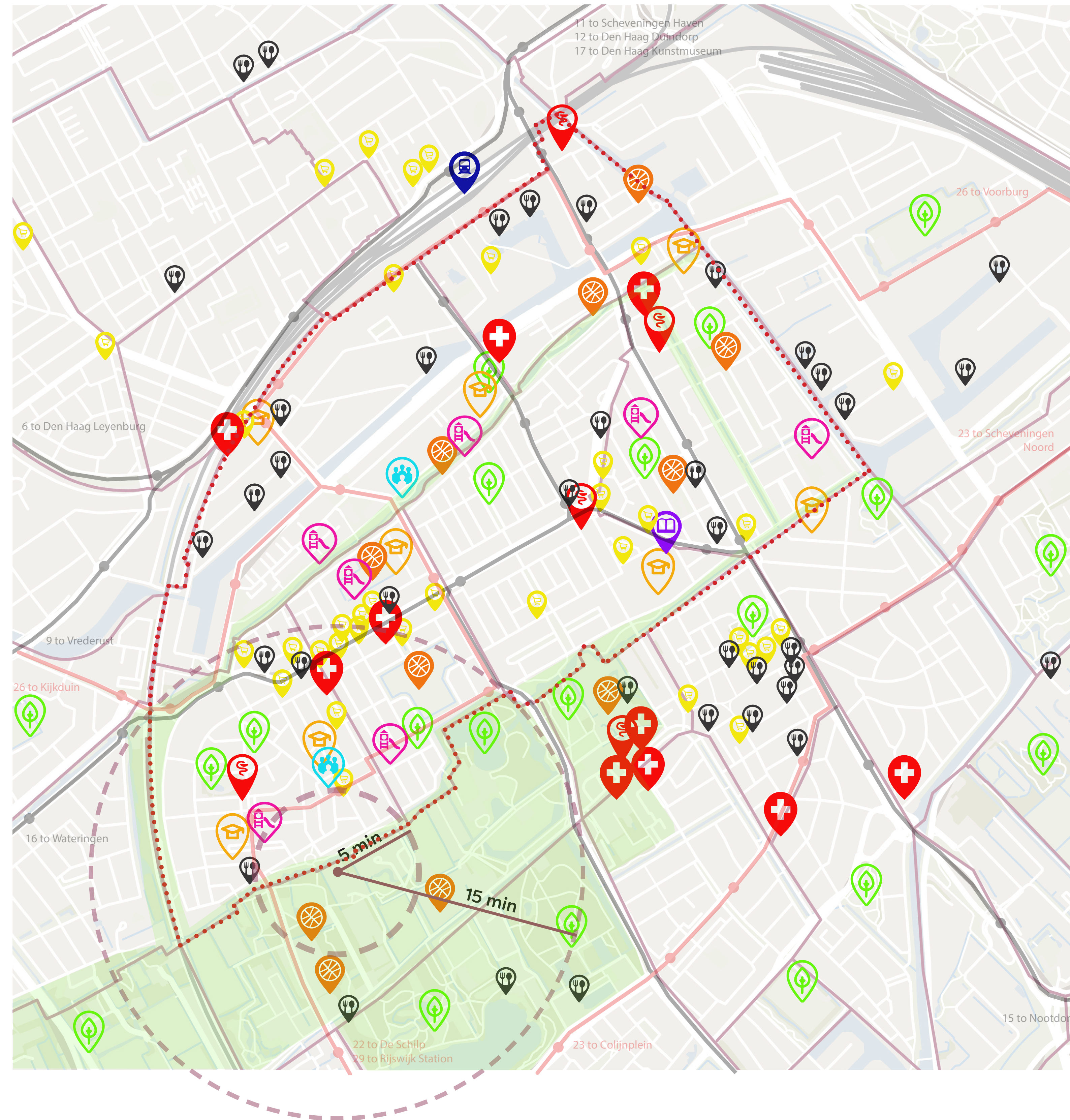
Laak Den Haag | Julianapark Rijswijk

N ↑ 0 1 km



Amenities

Public Transport | 5 and 15 minute city



- | | | |
|--------------------|-------------------------------|------------------------------------|
| Main train station | Playground | Restaurant, Cafe (Not fast food) |
| House doctor | Primary school | Big parks and green areas |
| Pharmacy | Sports area | |
| Library | Park | |
| Community centre | Shop (grocery and drug store) | |



Site analysis

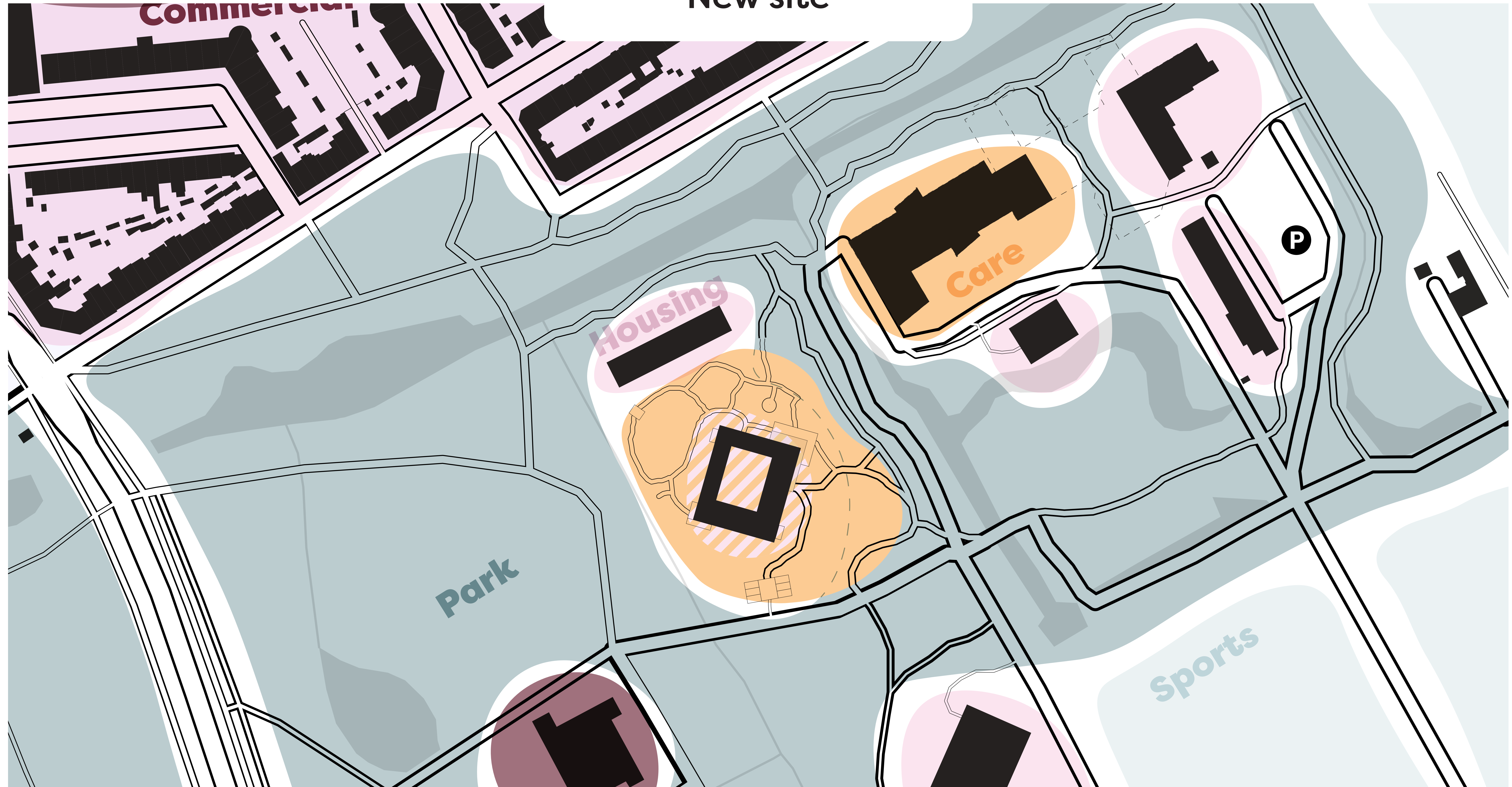
Existing site



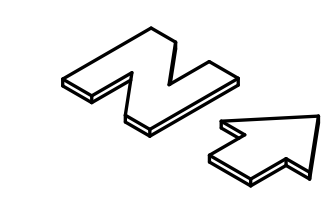
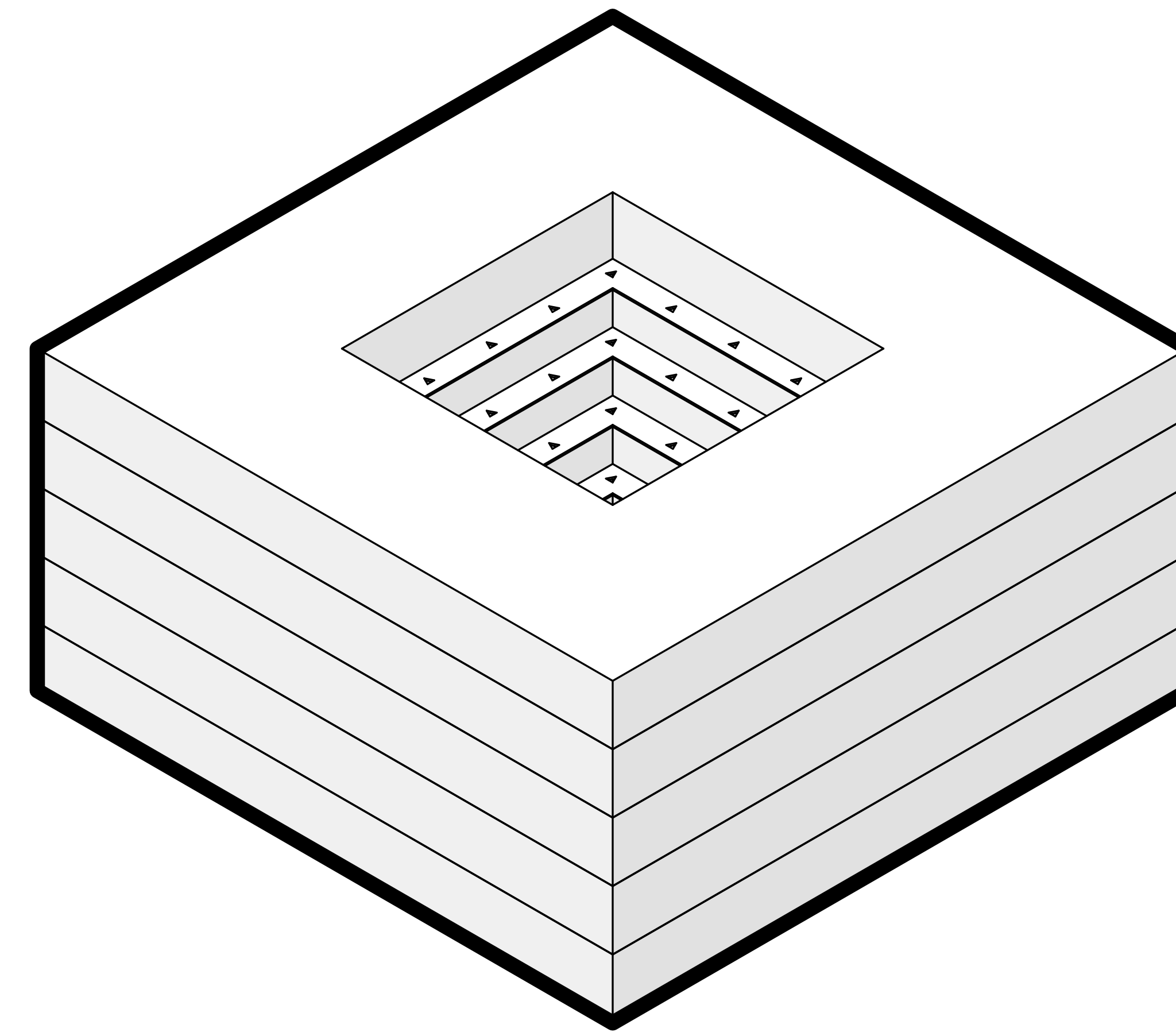
N ↑ 0 800 m

Masterplan

New site

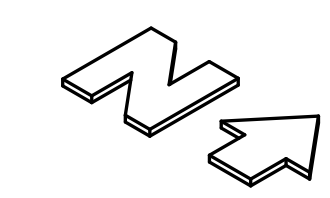
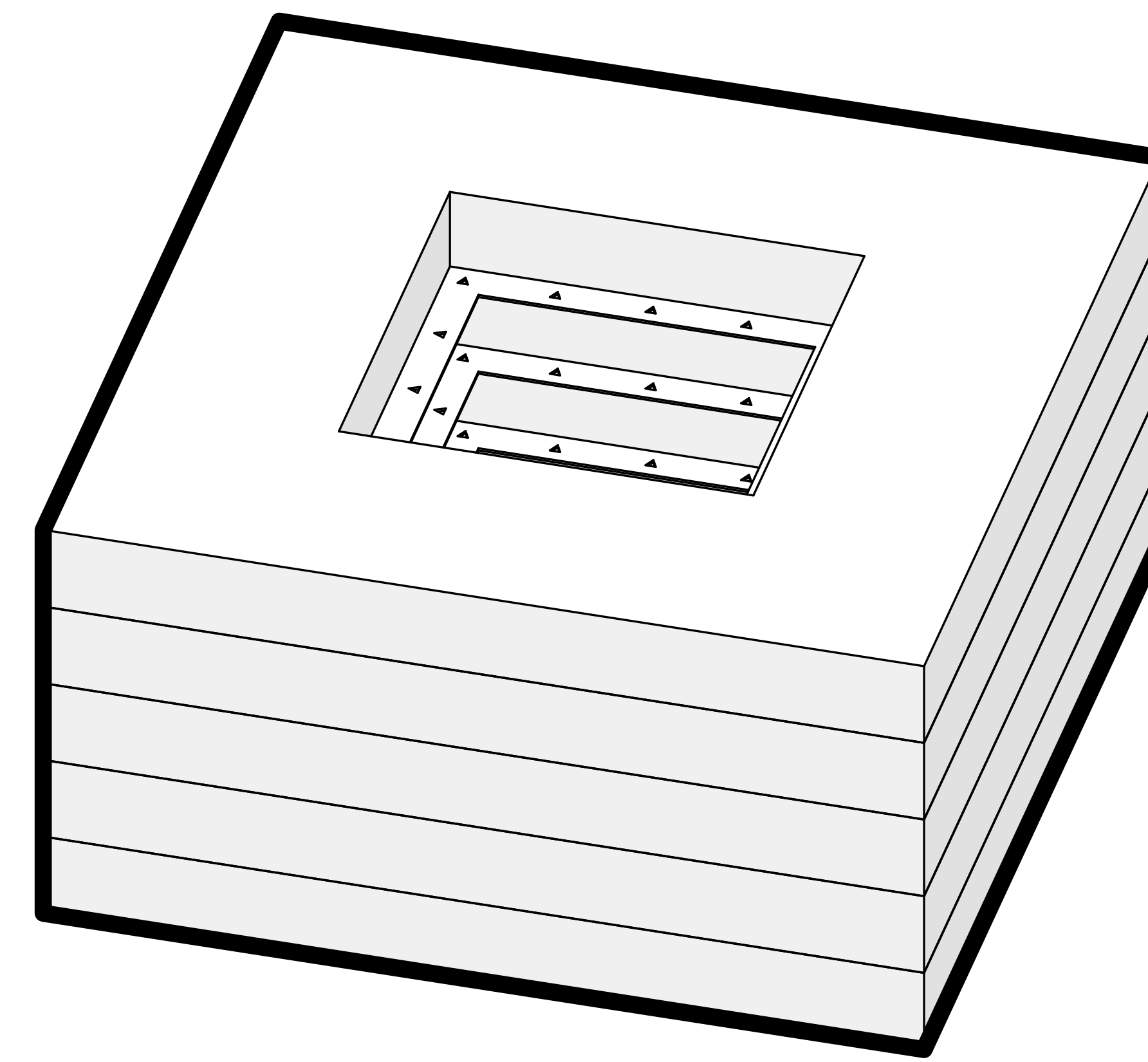


Building shape



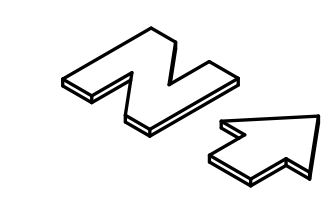
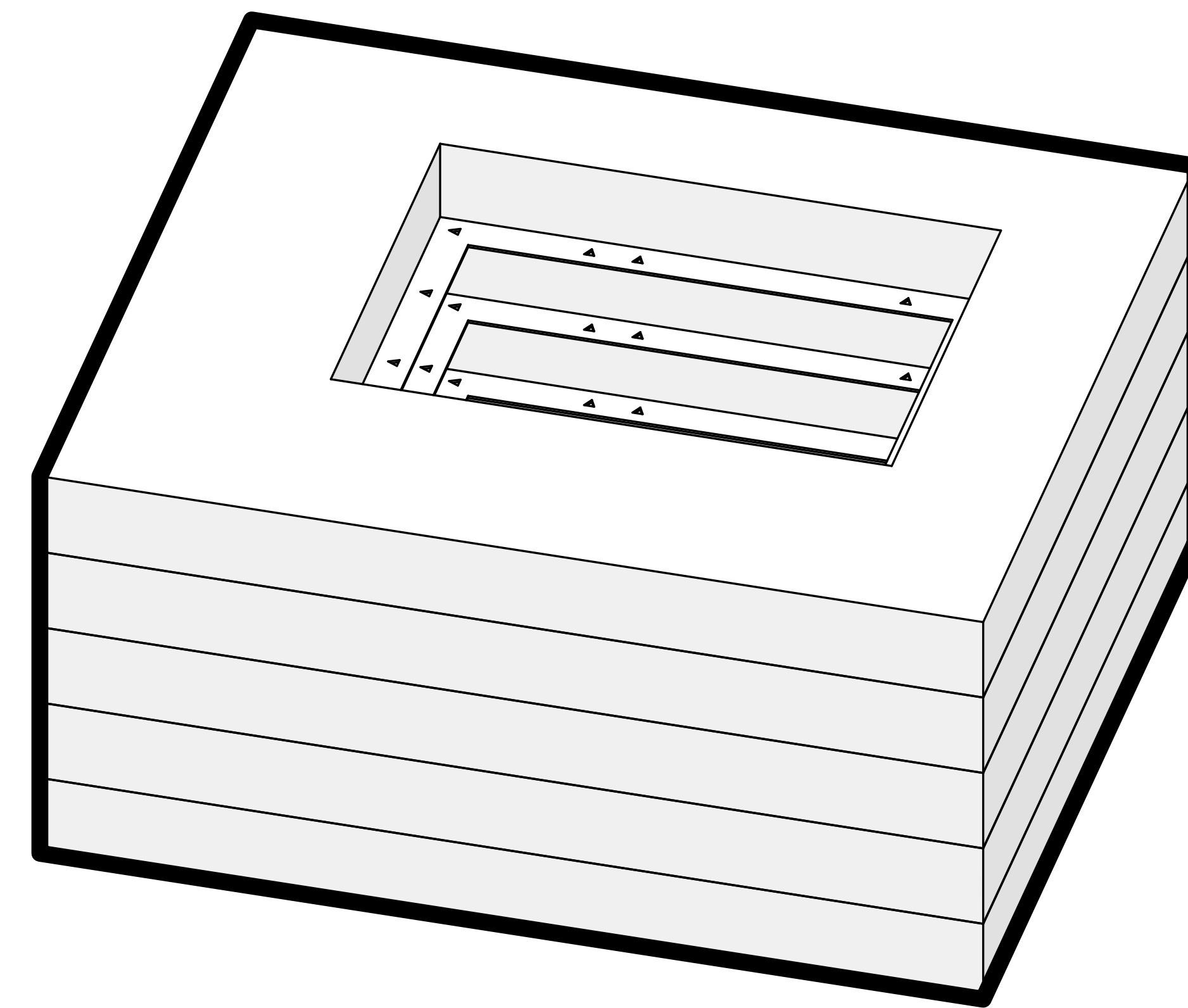
ring of apartments around
atrium

Building shape



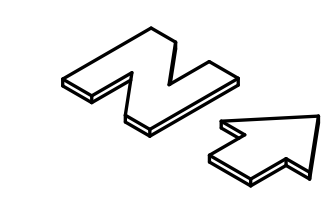
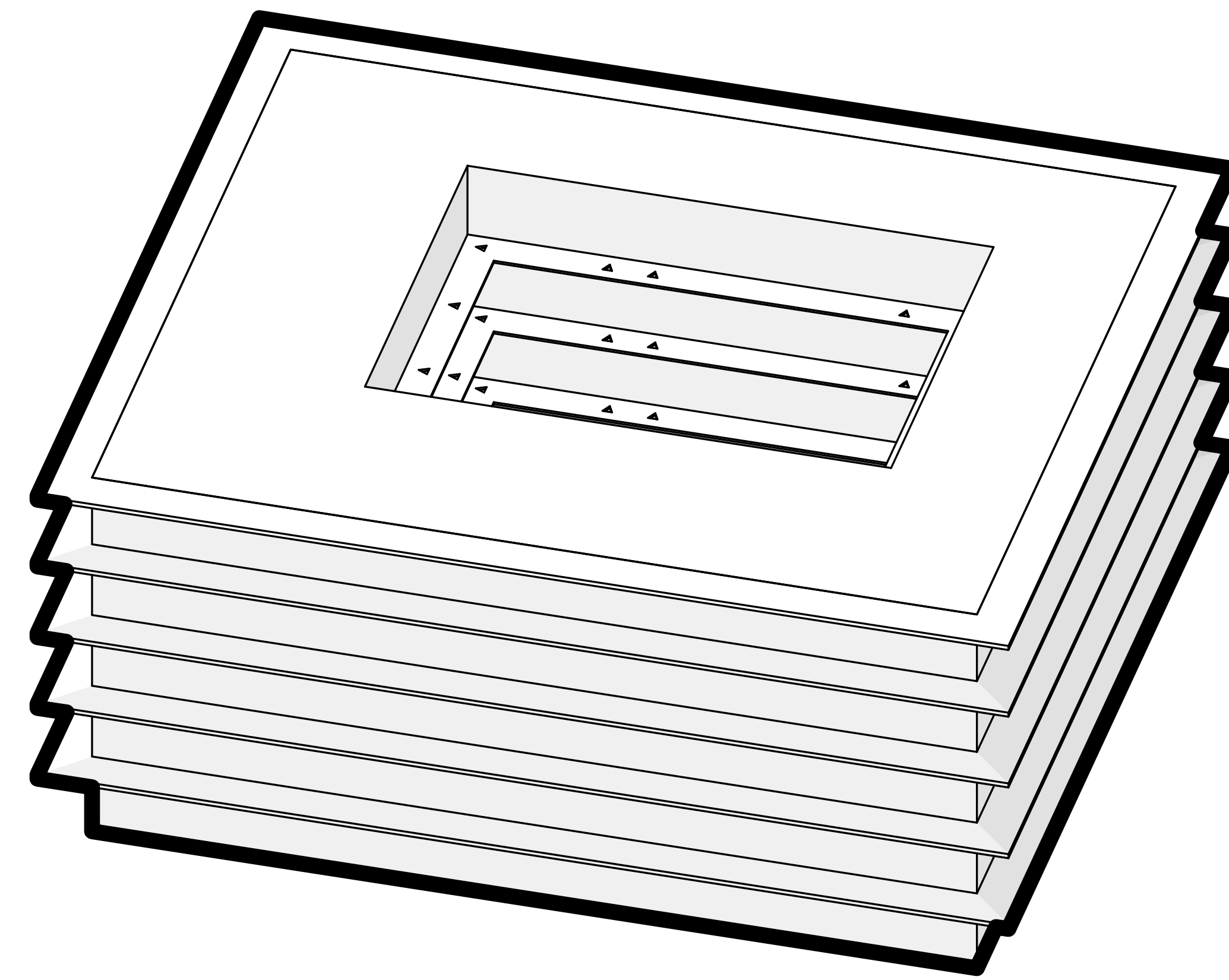
rotated to not have a
north-facing side

Building shape



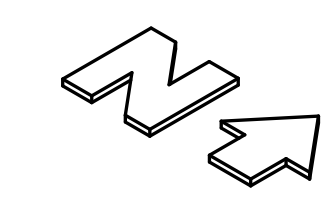
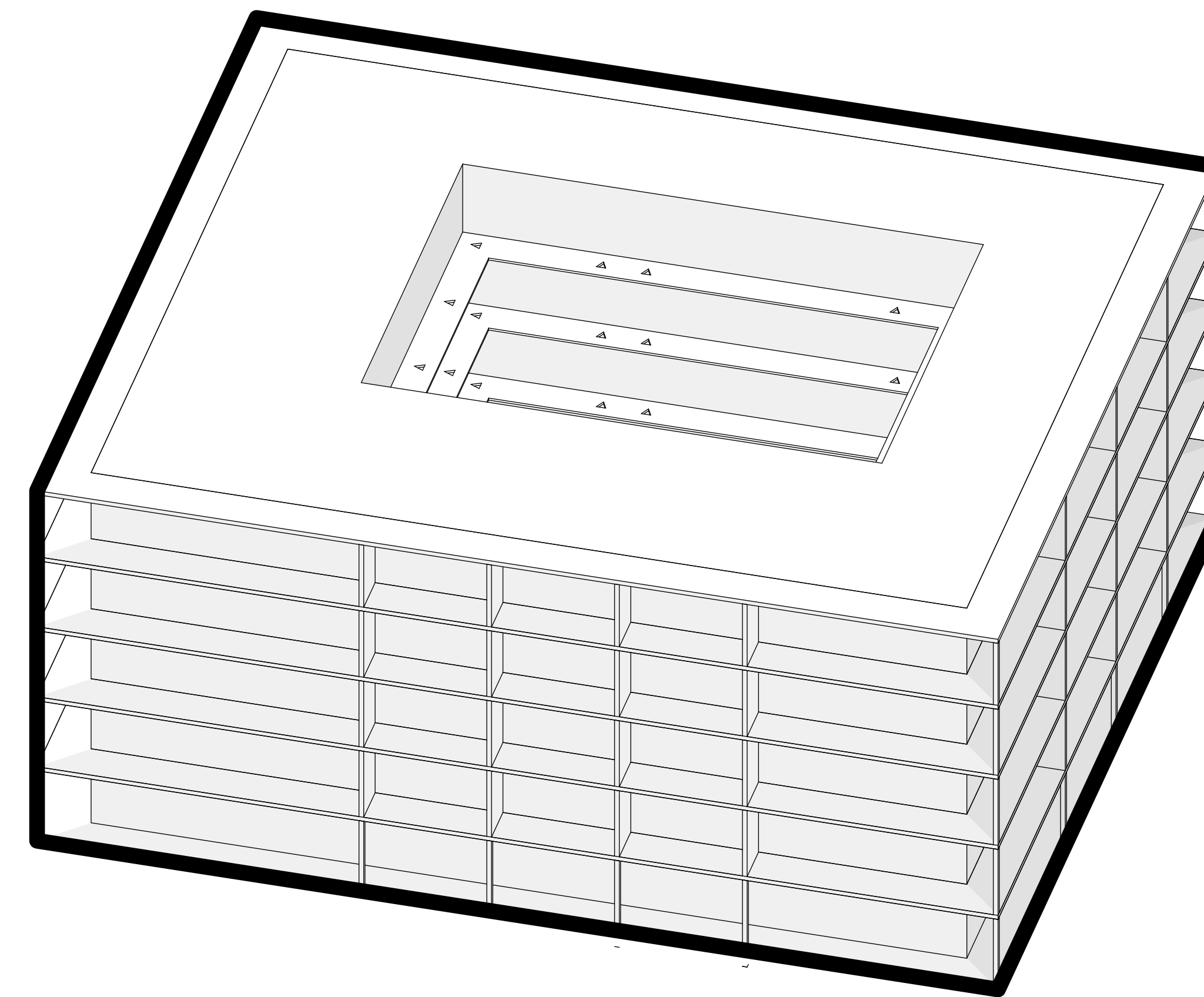
ring changed in depth for
differentiation

Building shape



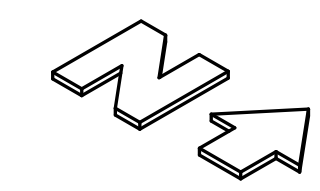
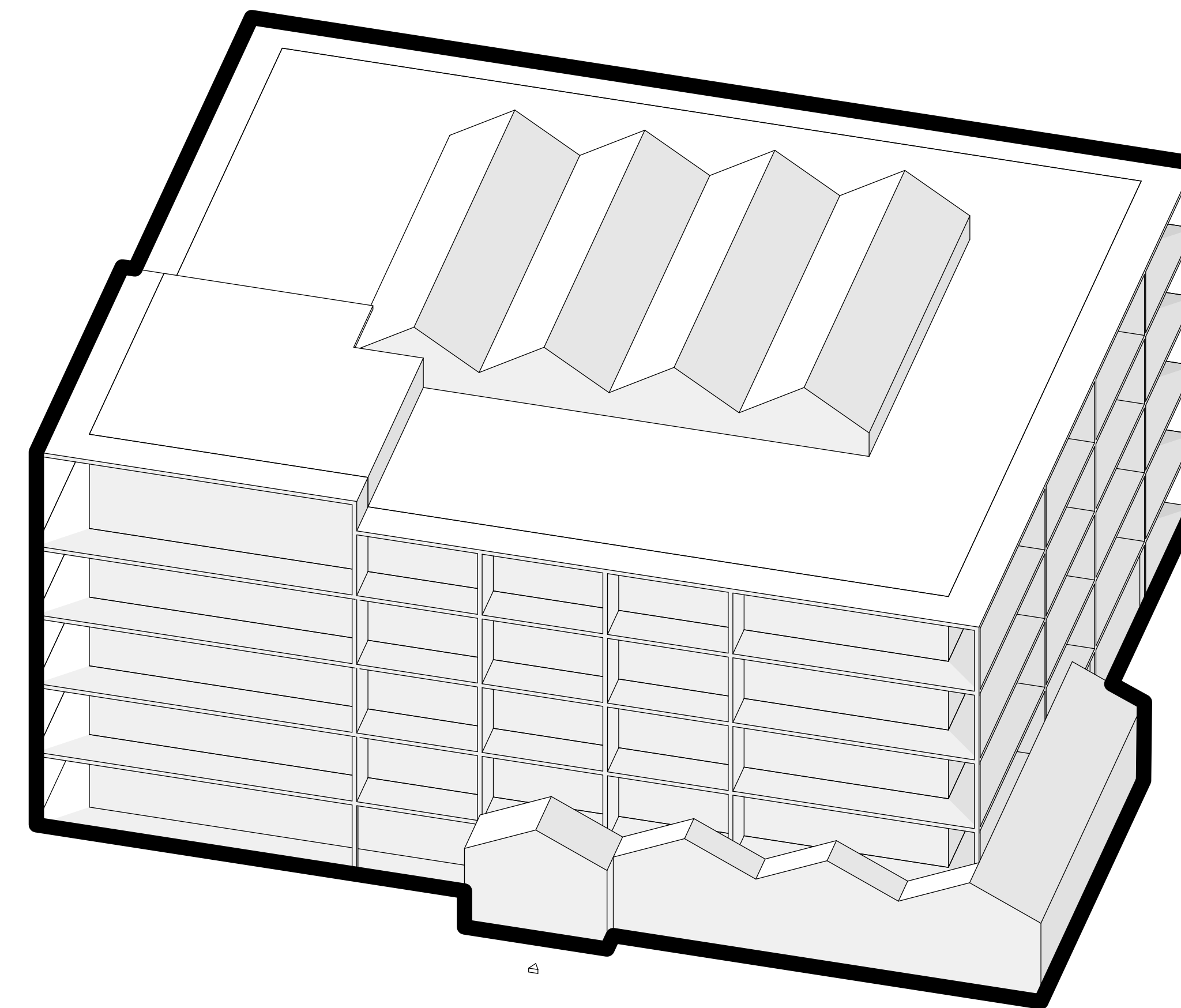
added balconies

Building shape



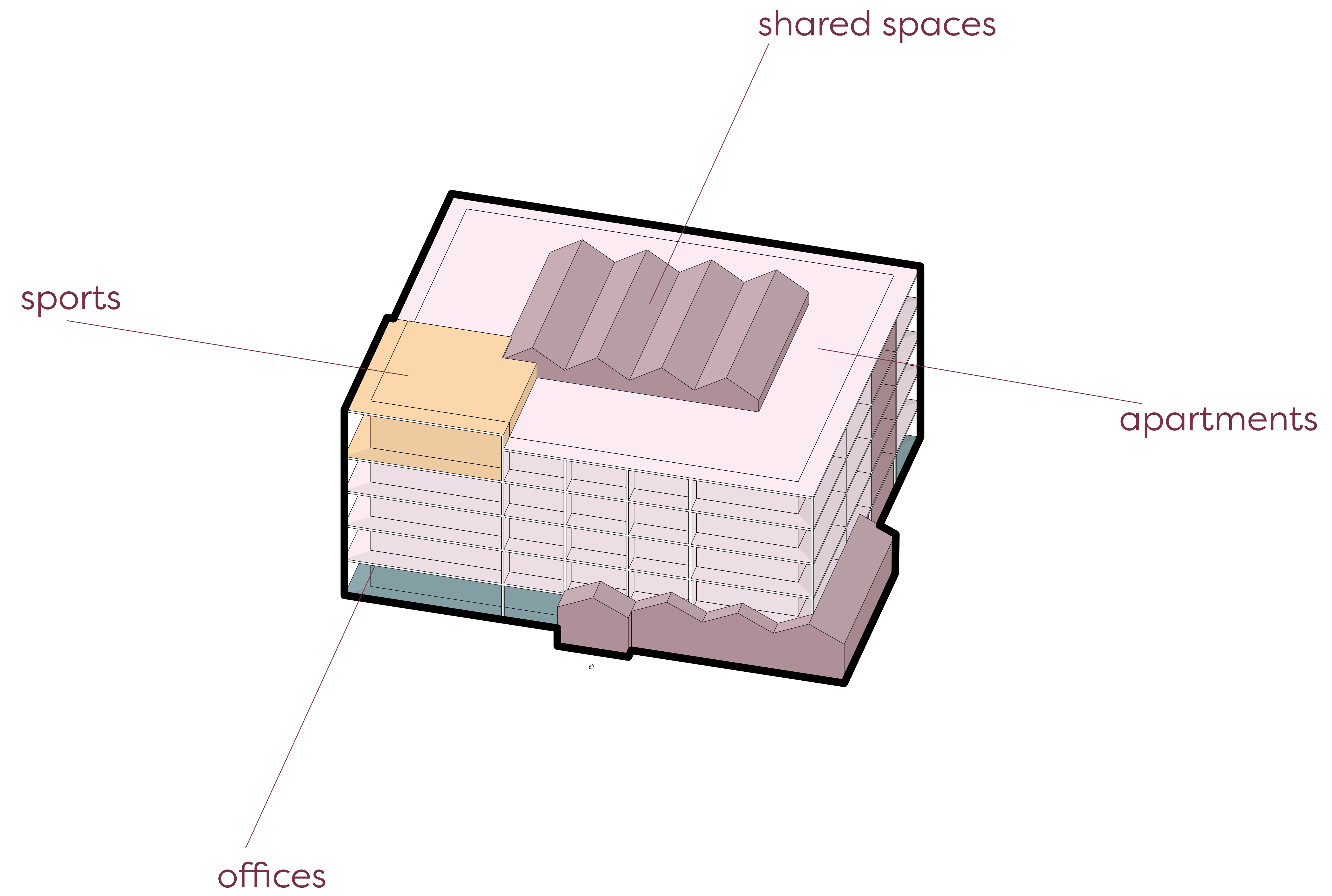
frame distinguishing
apartments

Building shape



added additional shapes

Functions

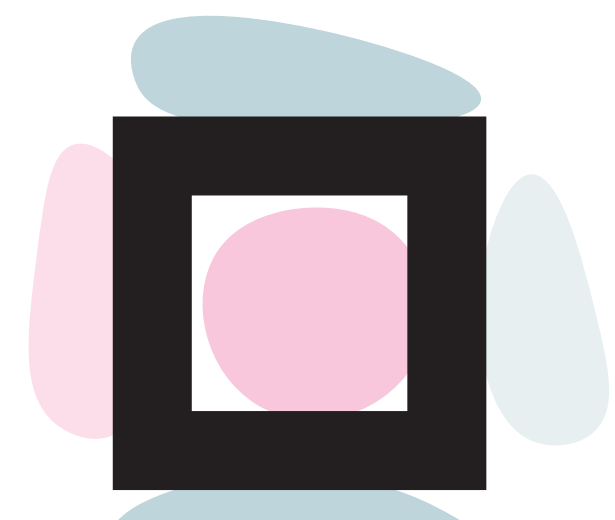


Design

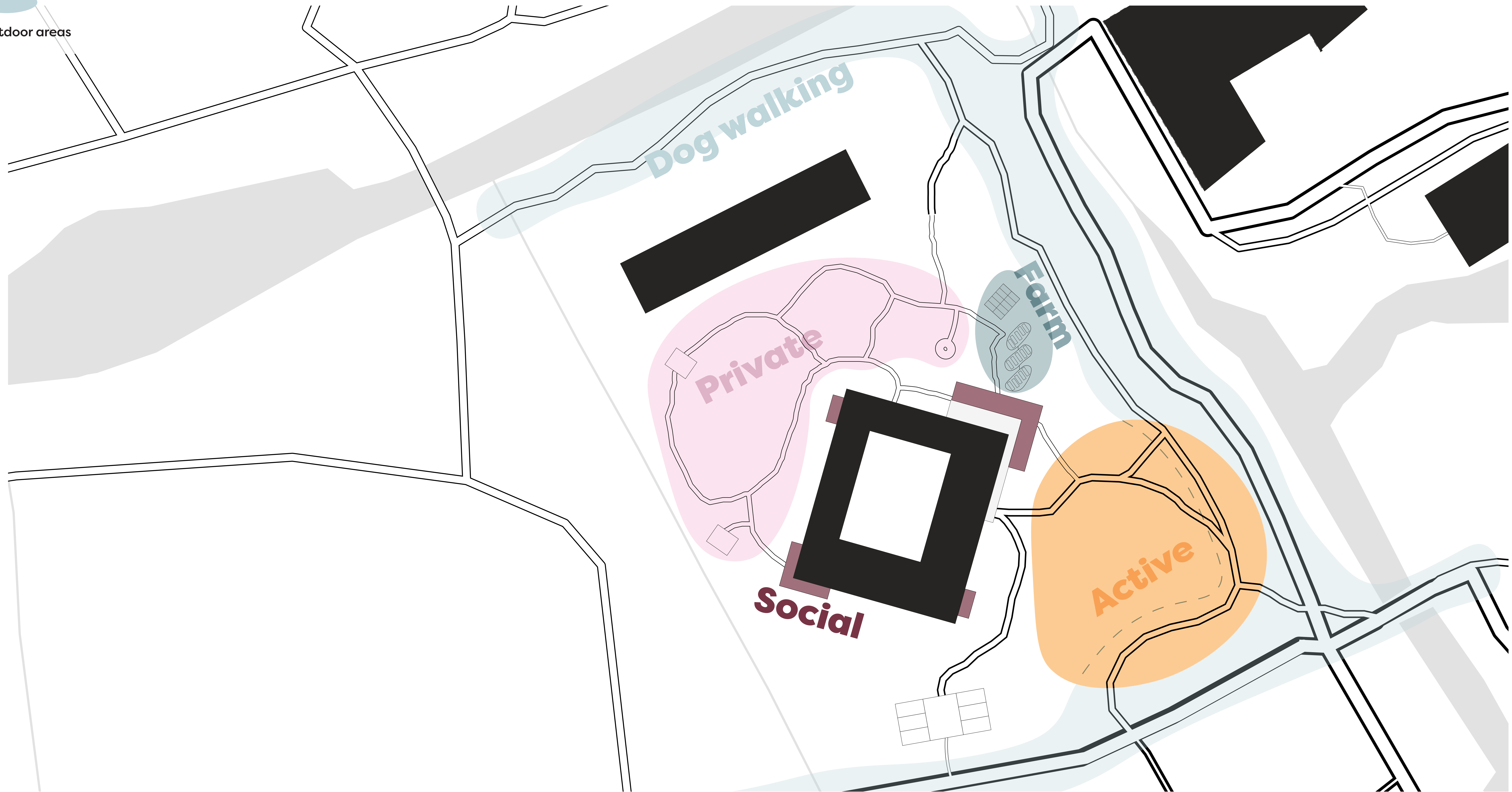
Site and Garden



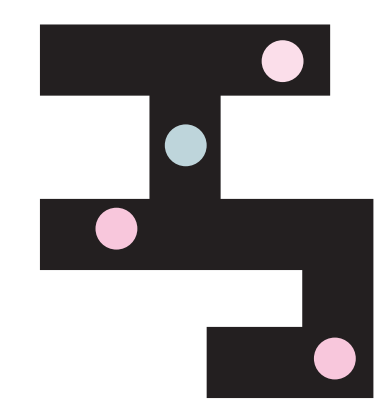
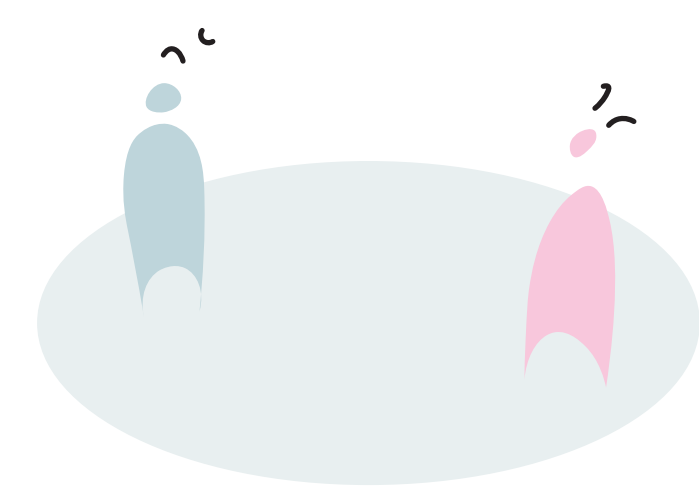
Placement on site



Different outdoor areas



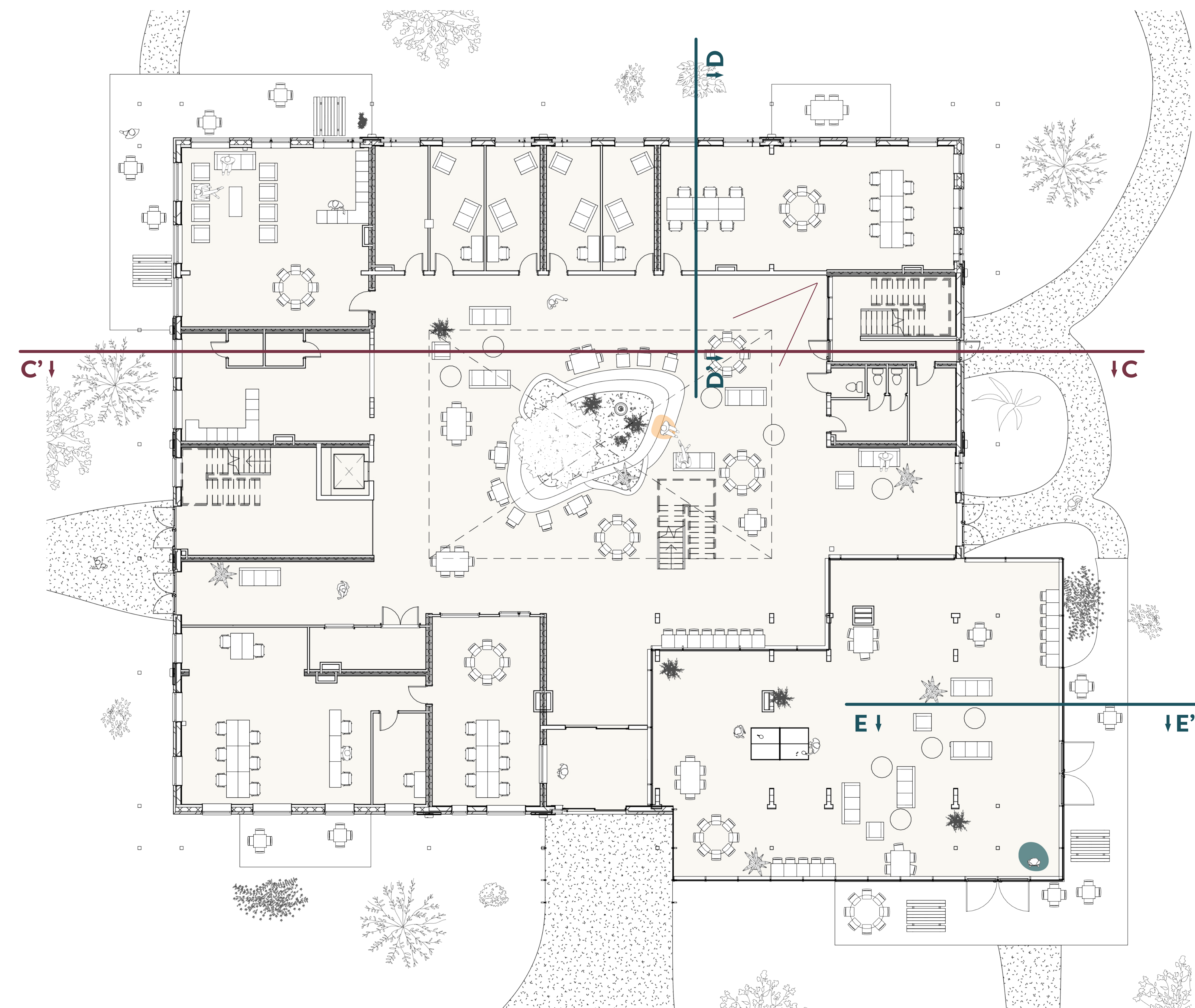
N ↑ 0 400 m



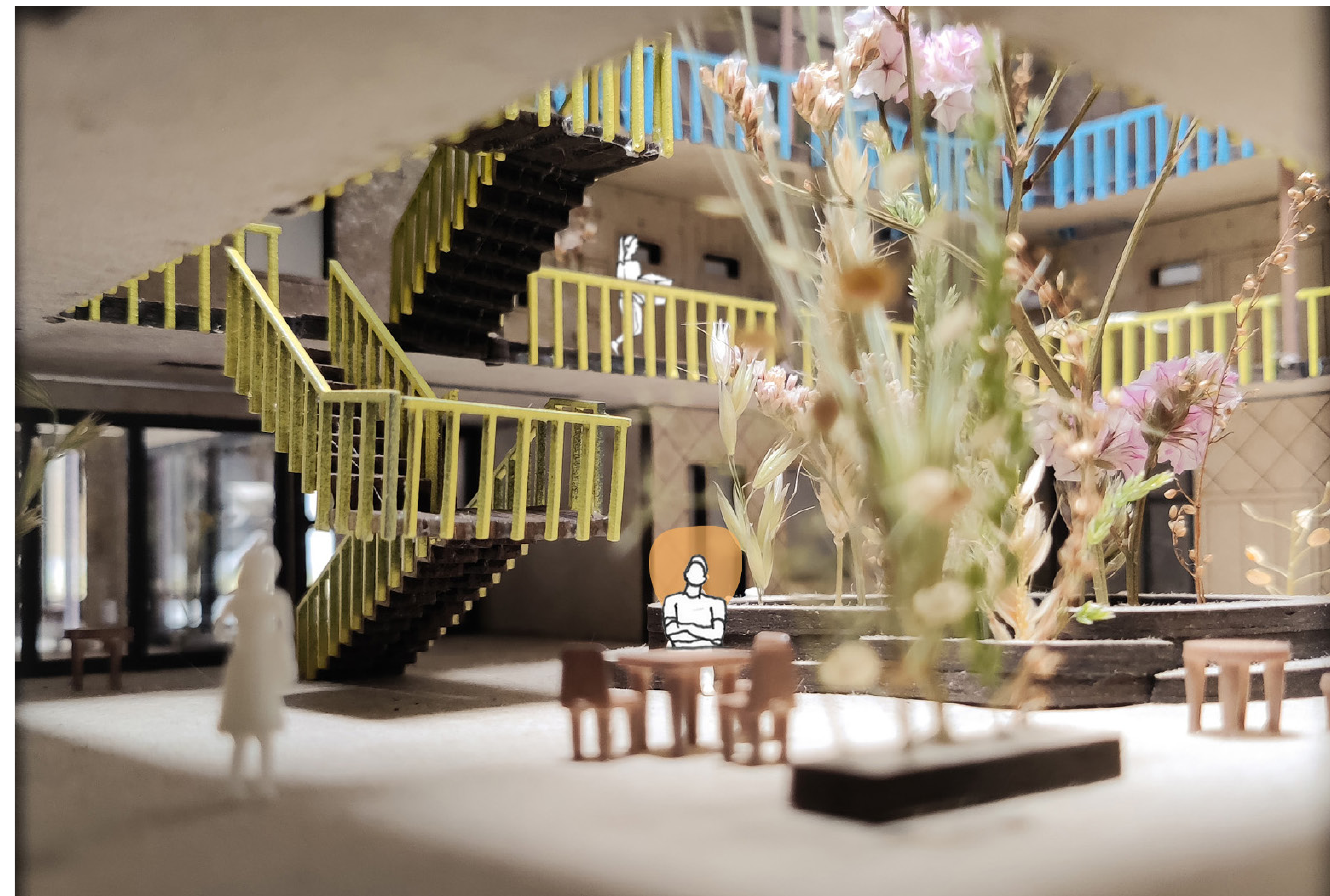
Floor plan 0

Spaces to meet

Multiple living rooms



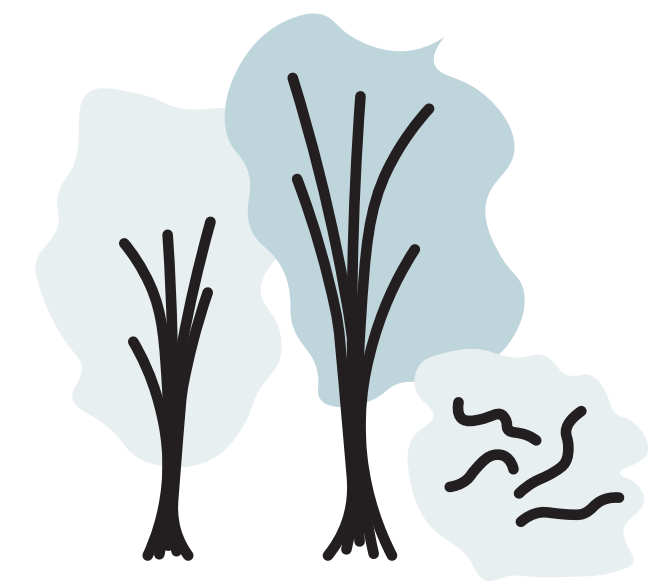
Floor 0 **N** → 0 ——— 15 m



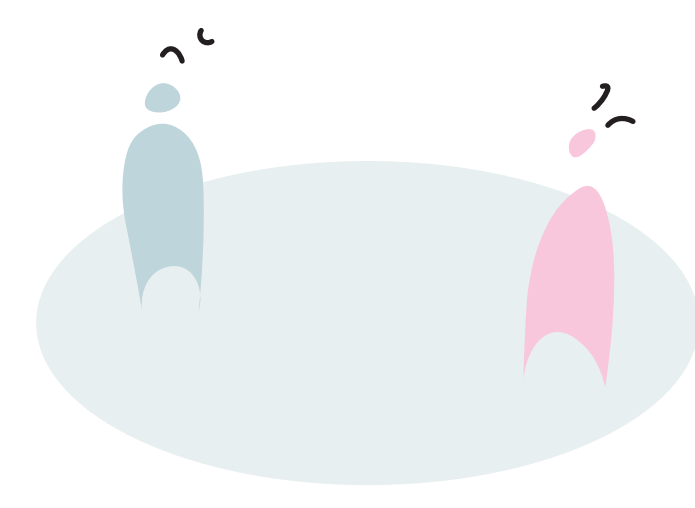
perspective restaurant and entry

Mary's favourite spot



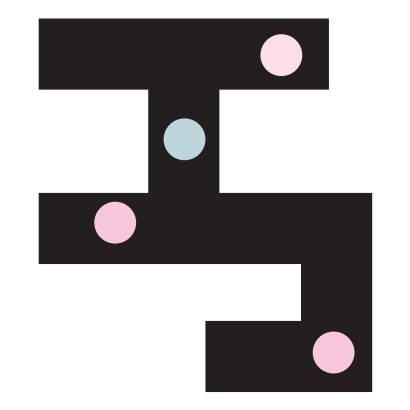


Nature in surroundings

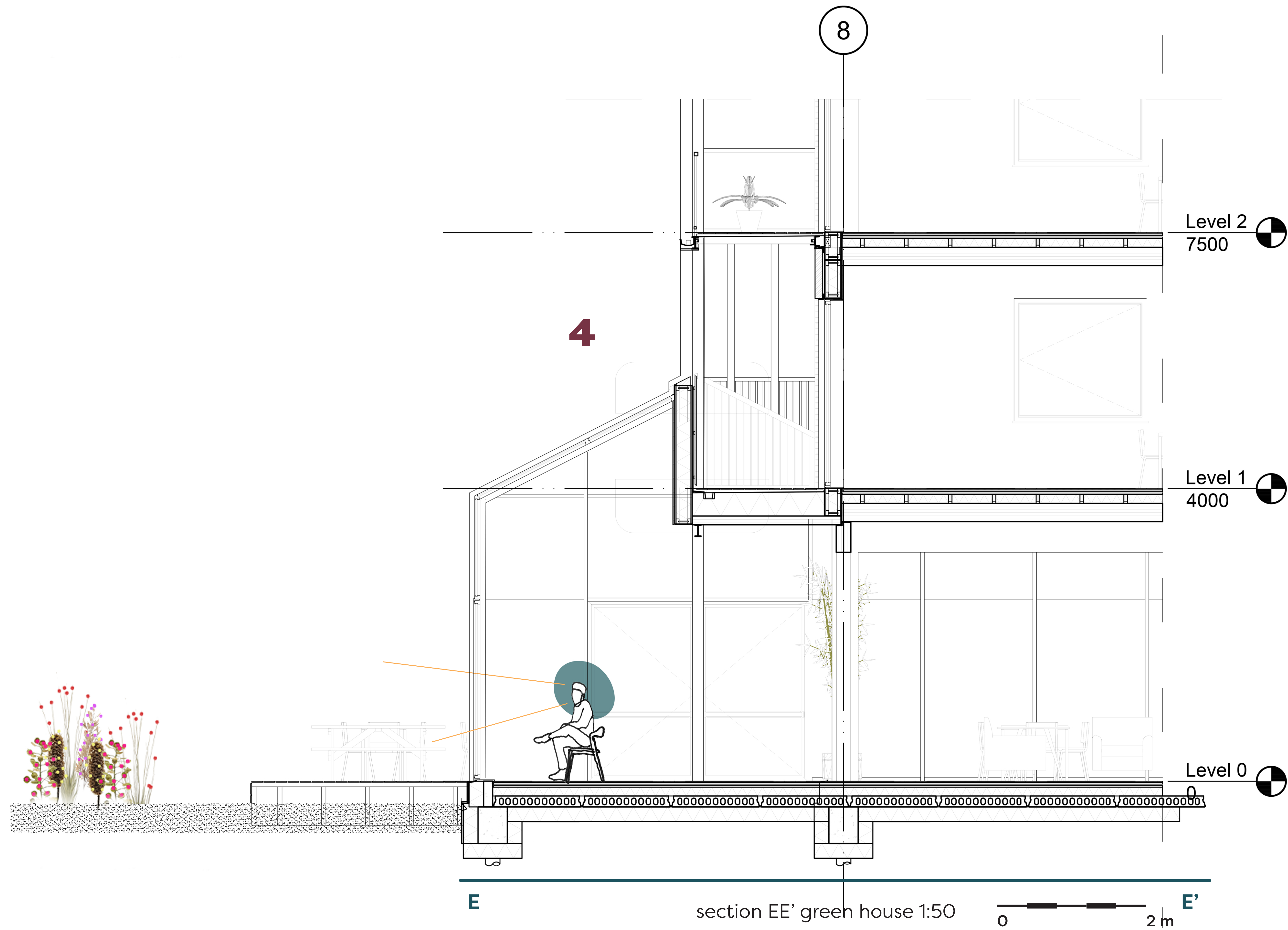


Spaces to meet

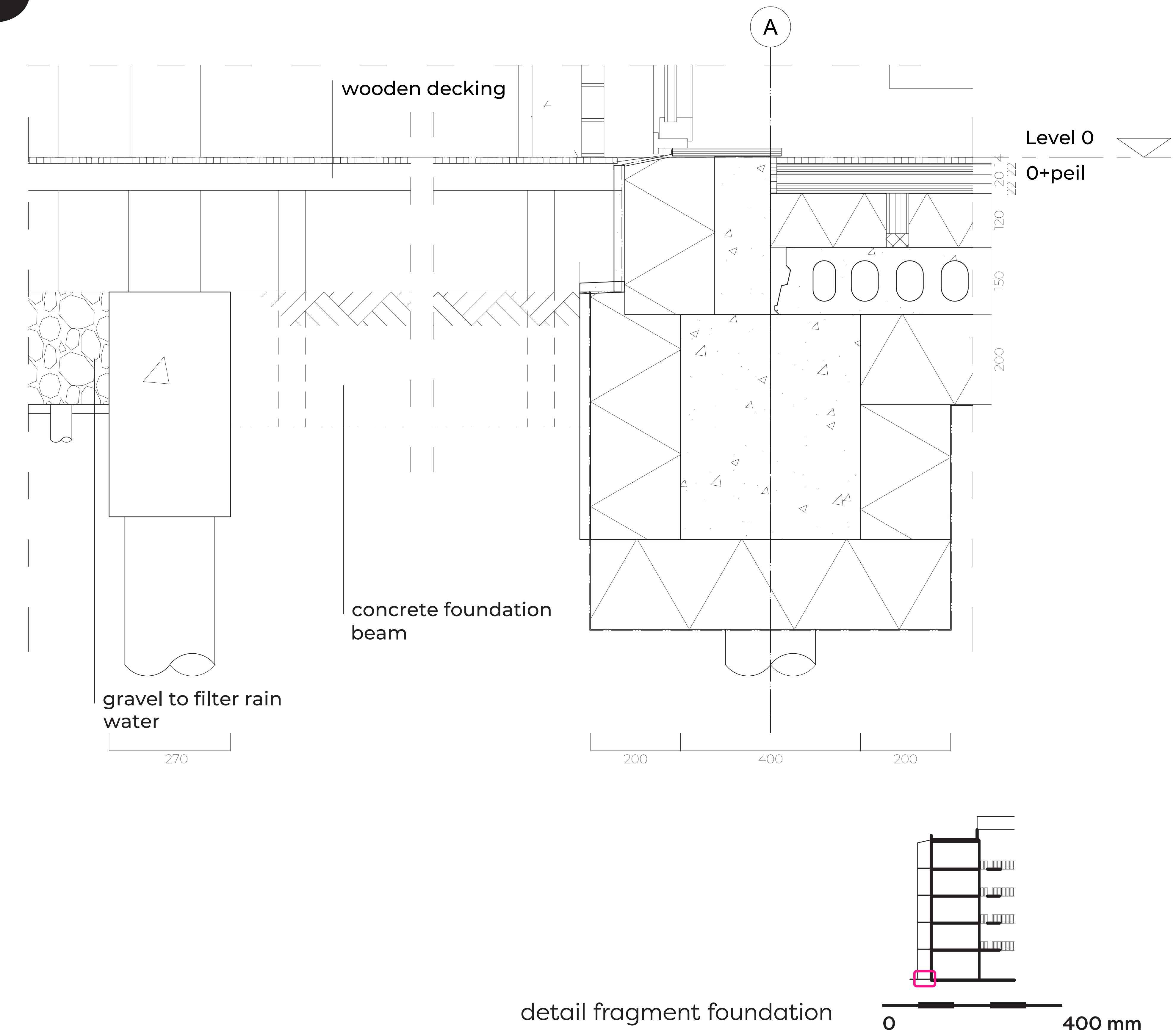
Mary's favourite spot

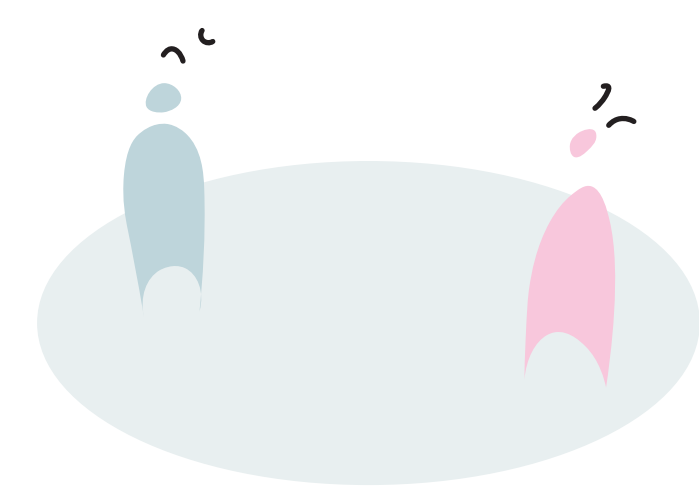


Multiple living rooms

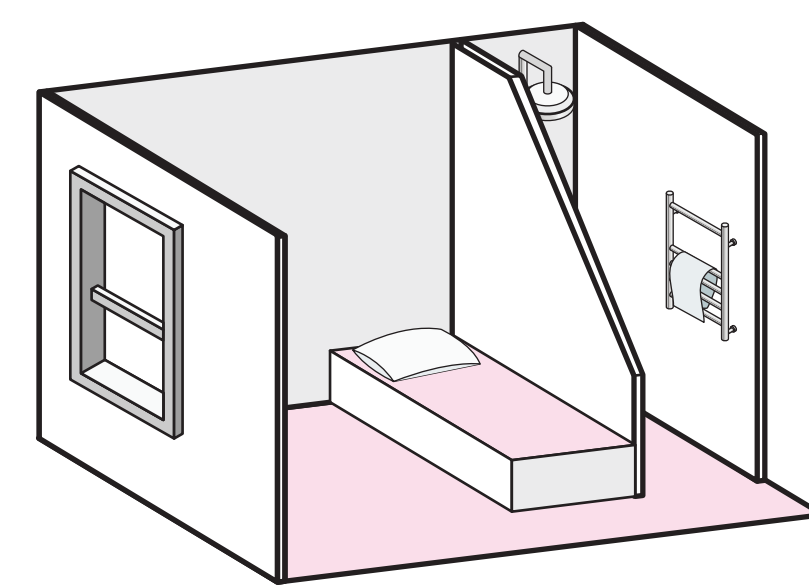


3





Spaces to meet

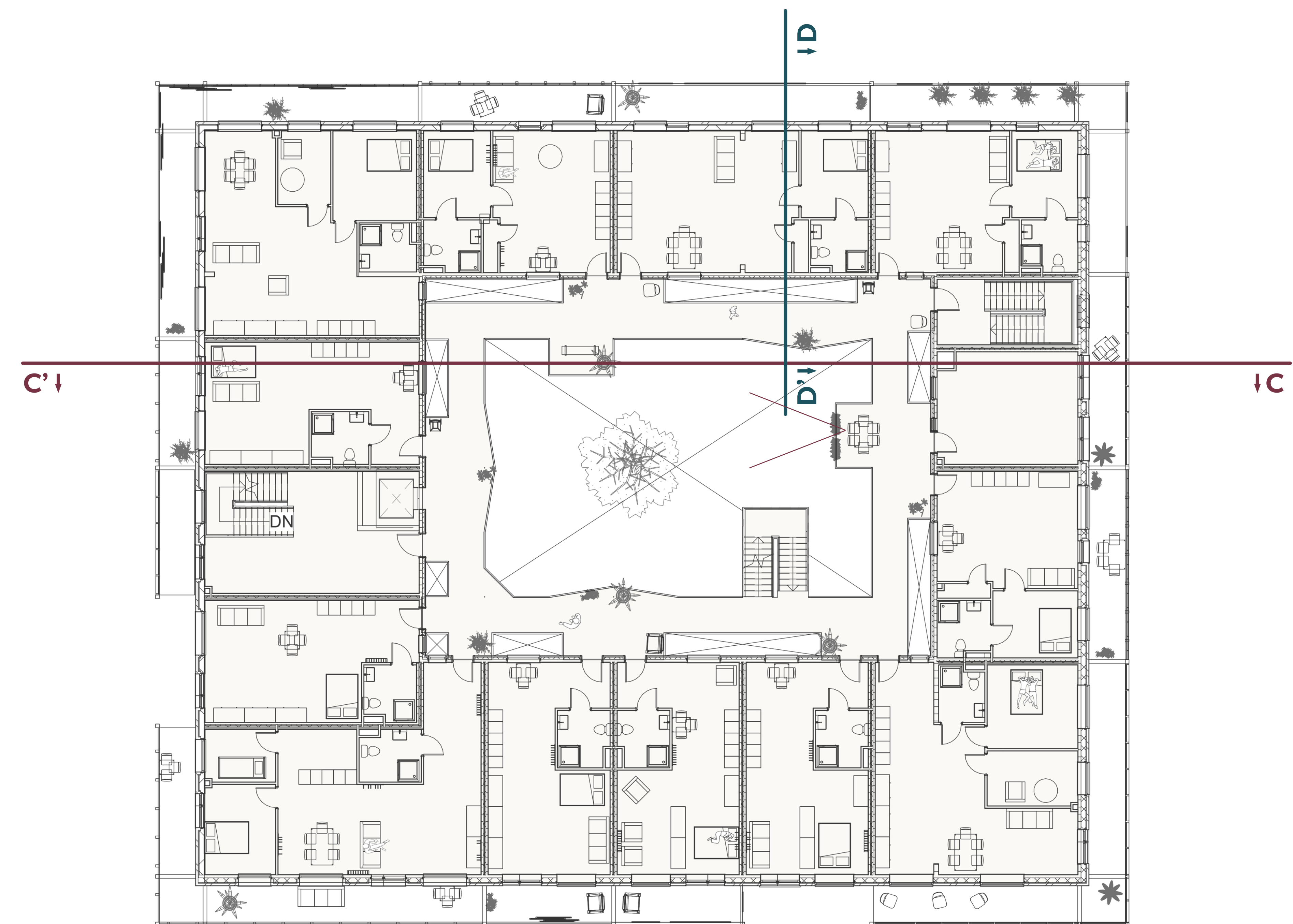


Individual apartments

Floor plan 2



Being able to retreat



Floor 2 **N** → 0 ——— 15 m



overview atrium

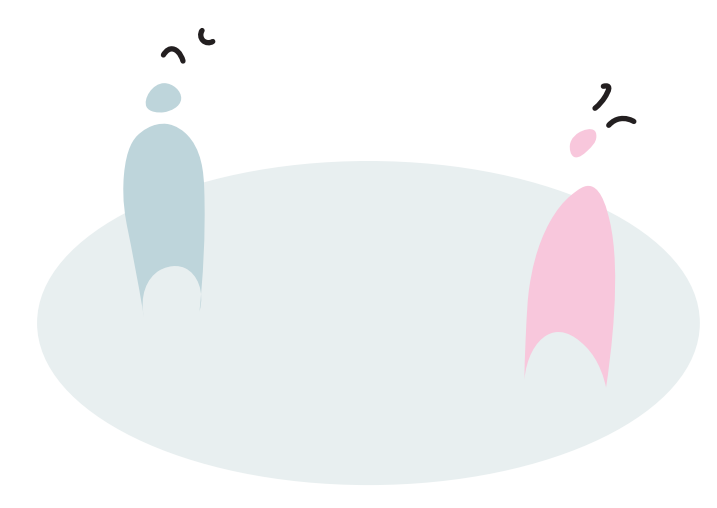


Alex's favourite spot



Section C-C'

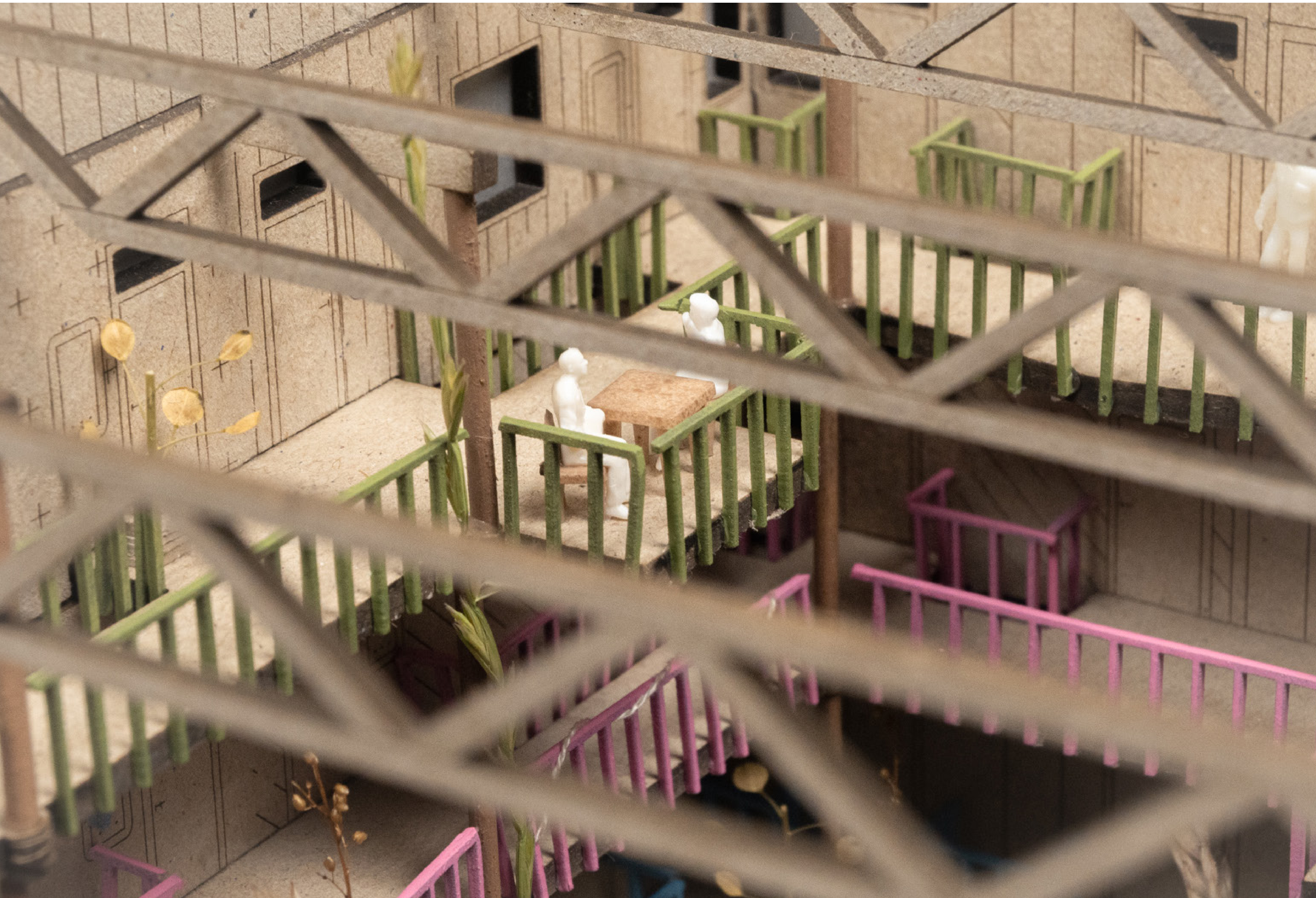




Spaces to meet

Spaces to meet

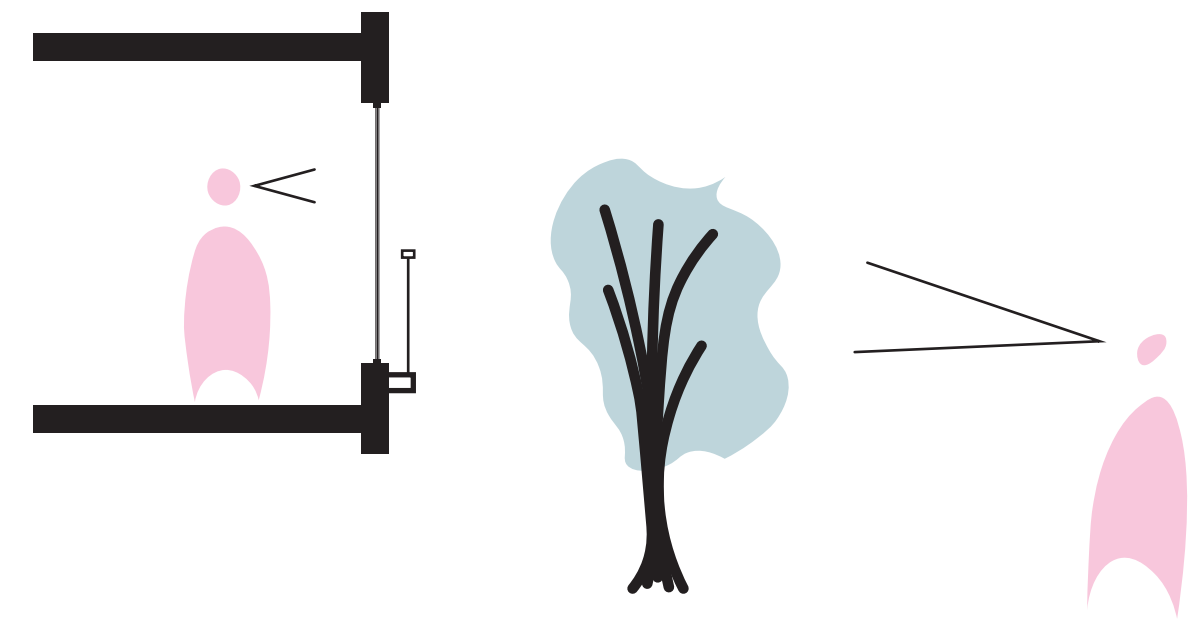
within the atrium



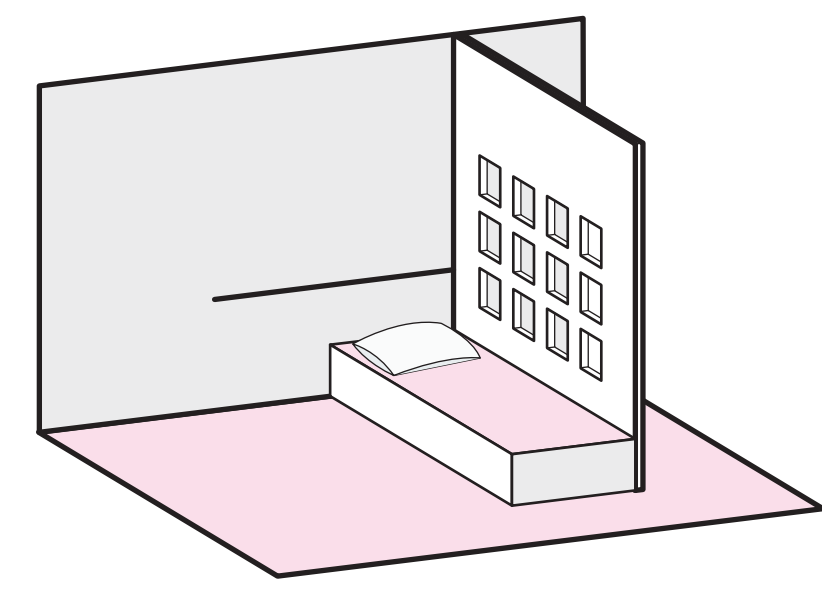
Front door

Personalization





Privacy



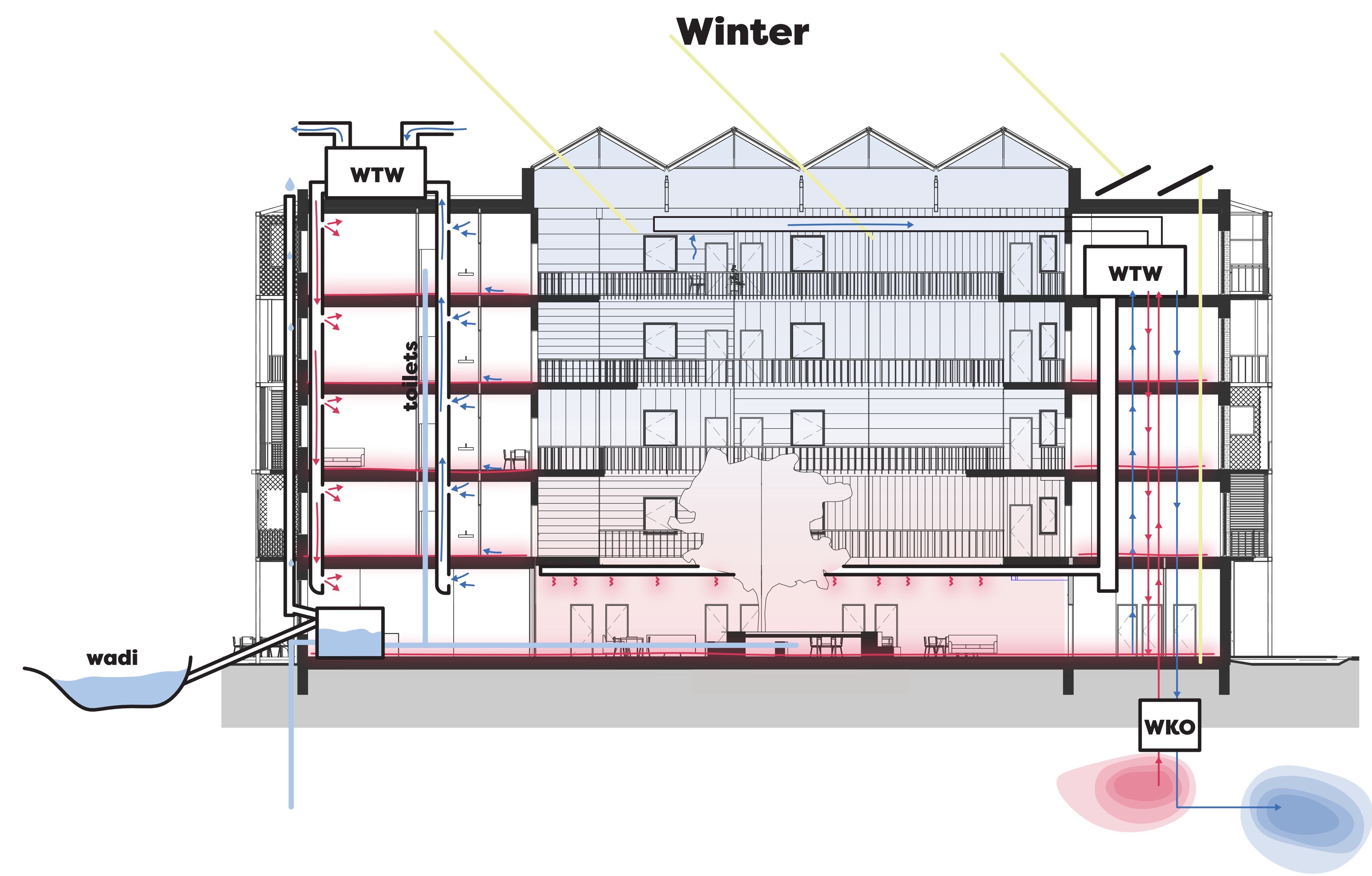
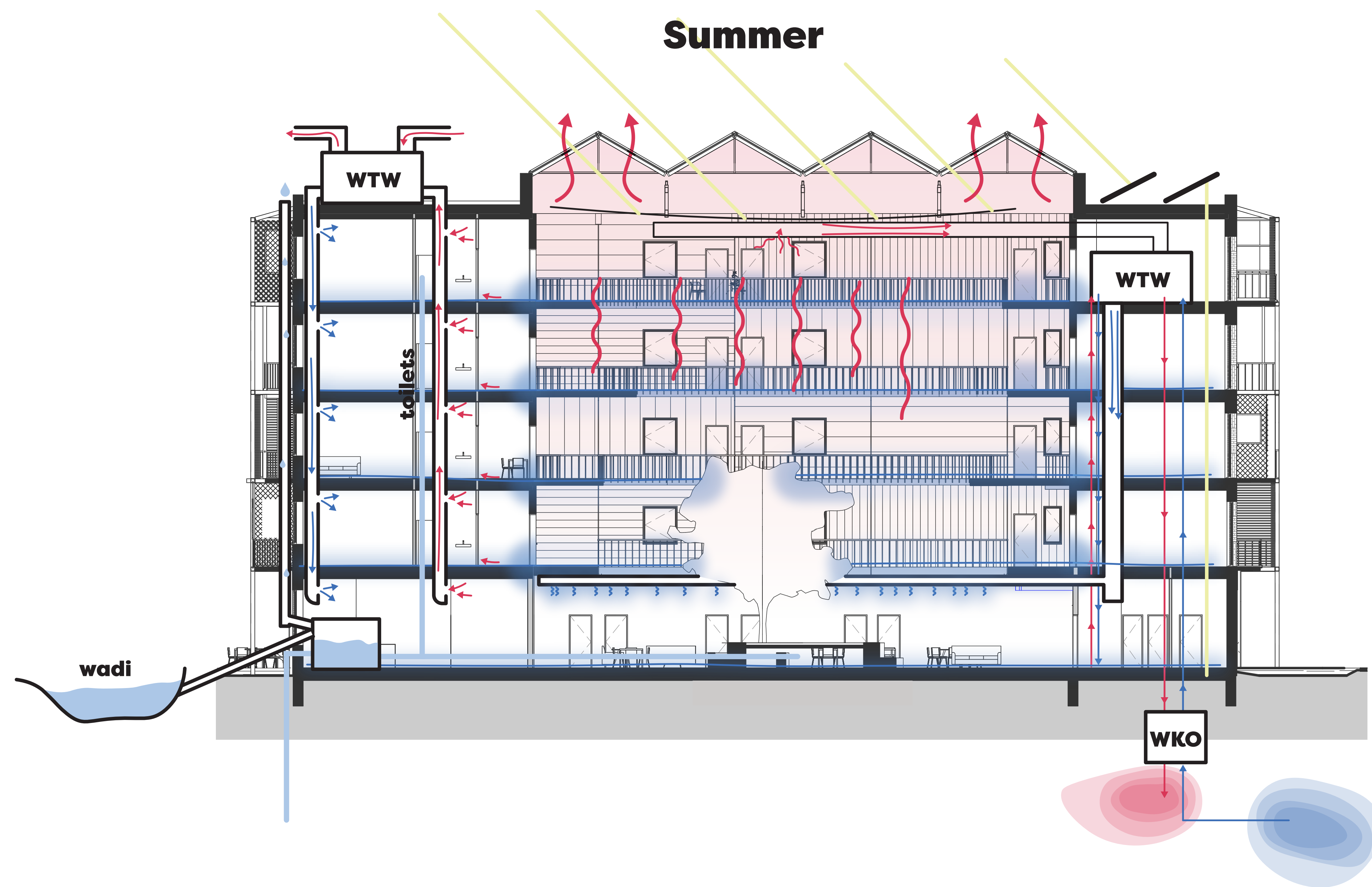
Designed to personalize

Front door

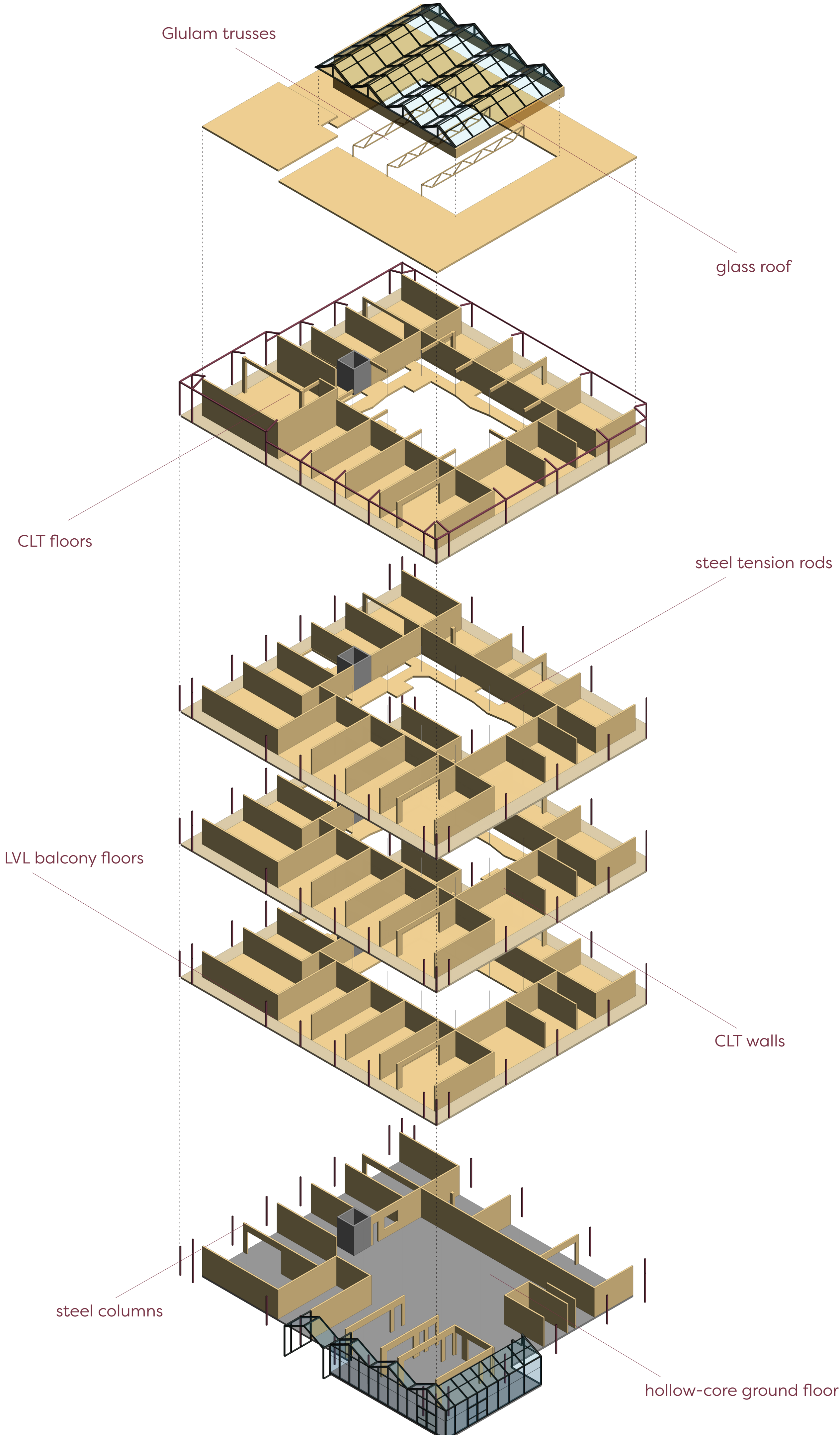
Personalization



Climate

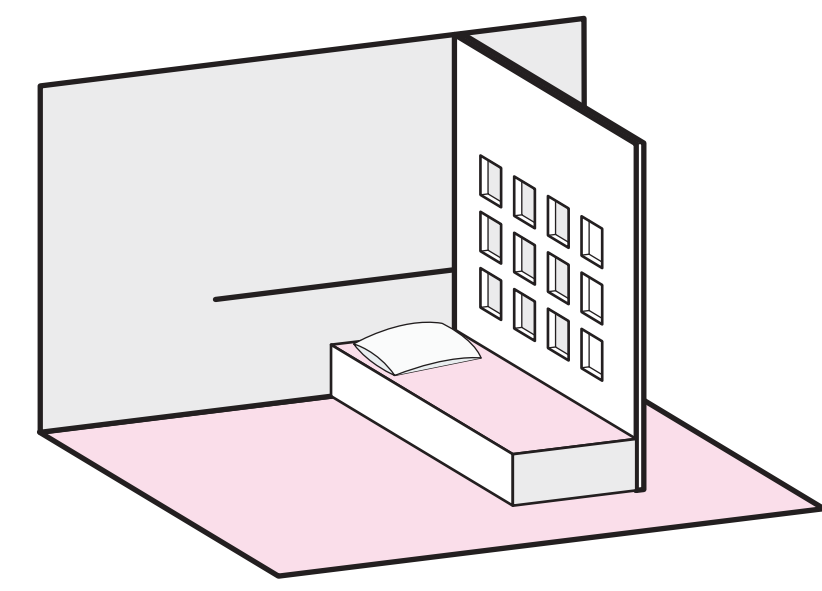


Construction

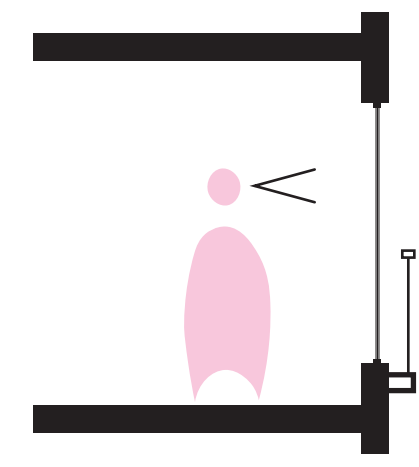




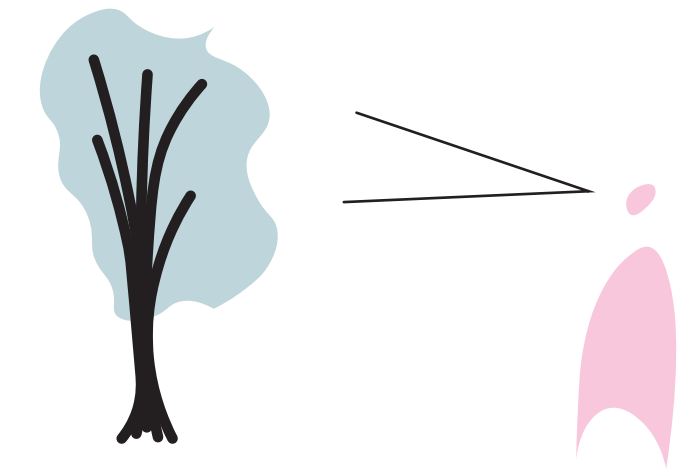




Designed to personalize

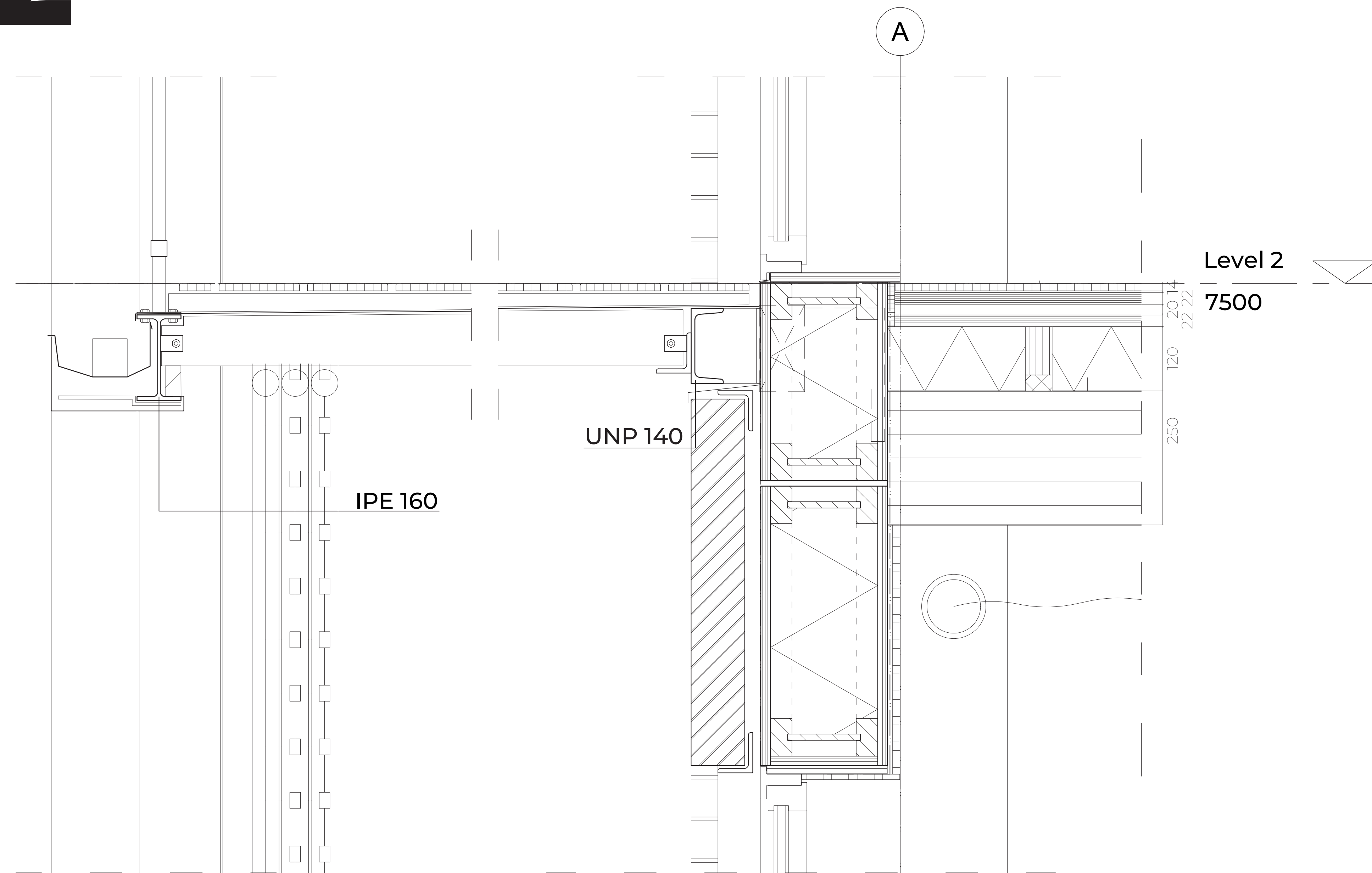


Privacy

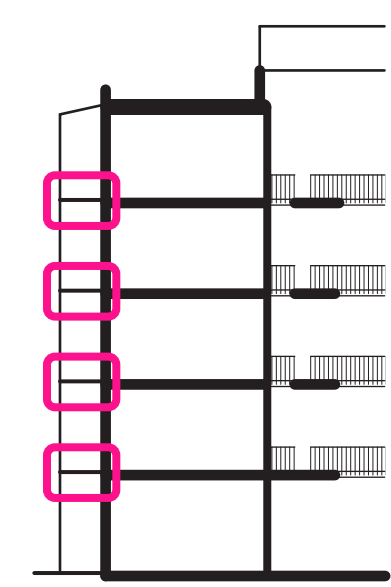
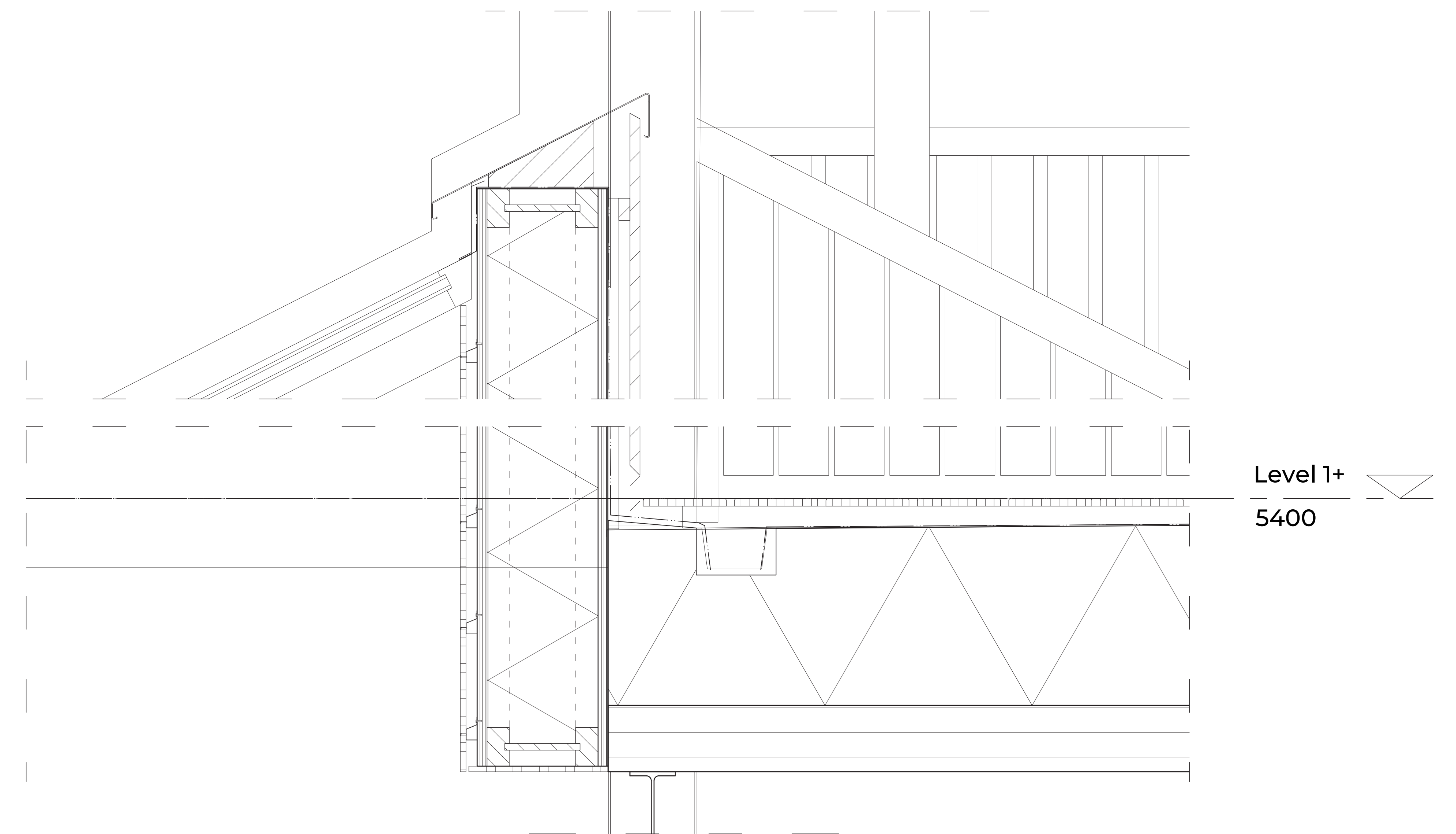


Balcony construction

2

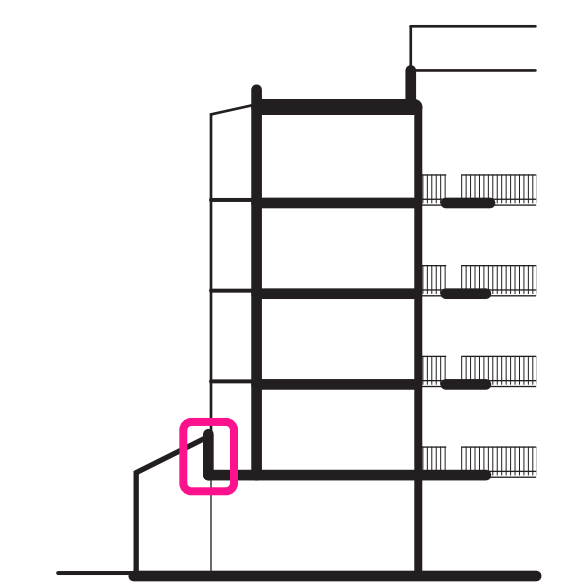


4



detail fragment balcony

0 400 mm

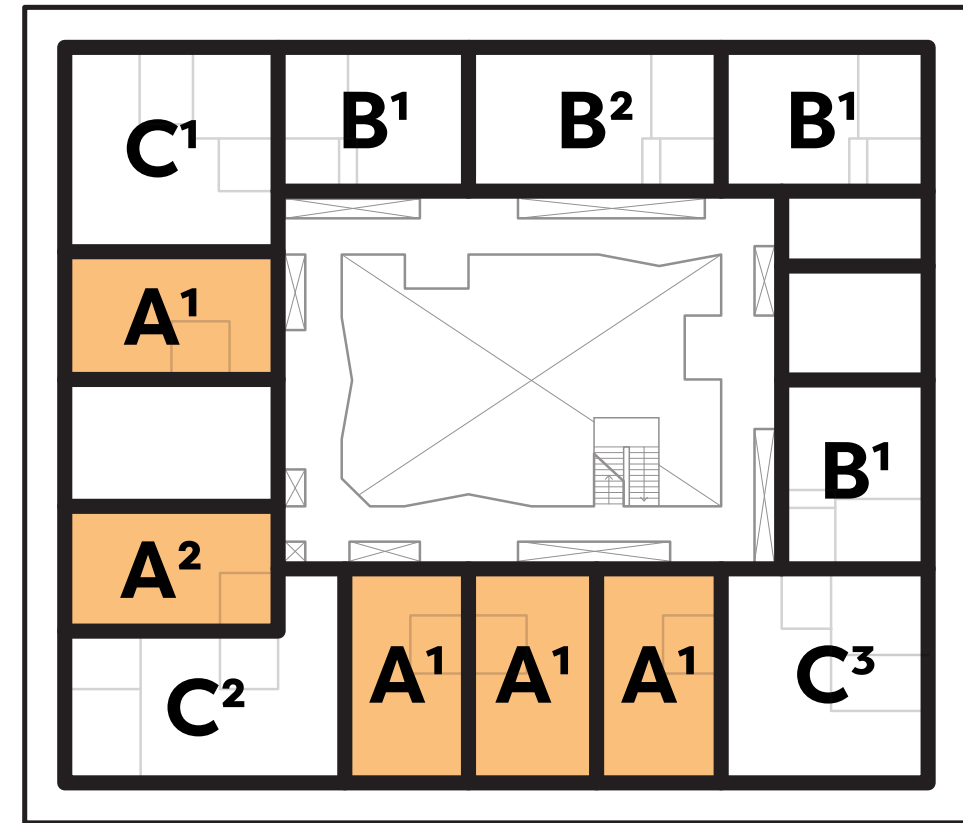


detail fragment green house roof

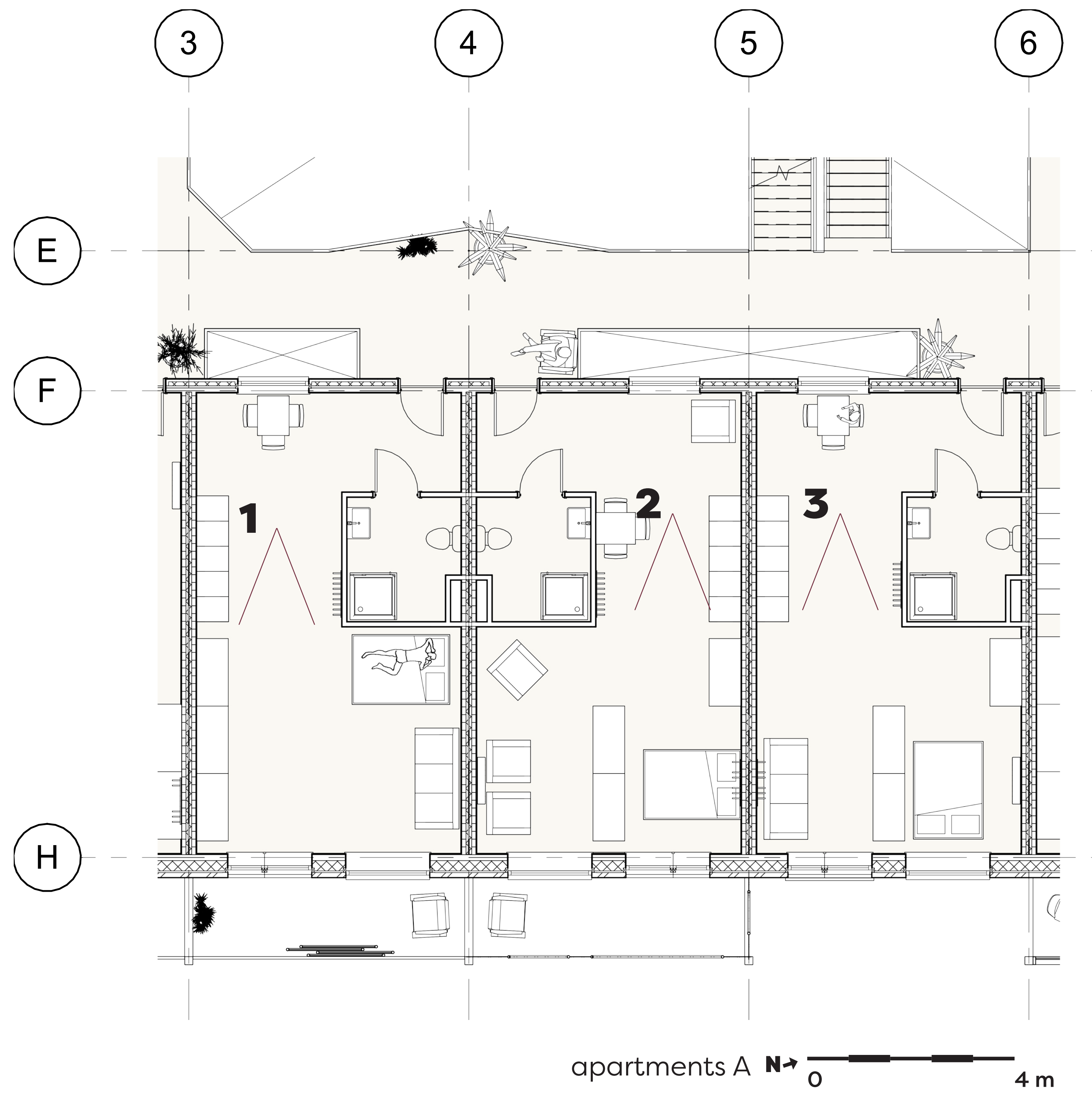
0 400 mm

Apartments

Type A



A



perspective 1



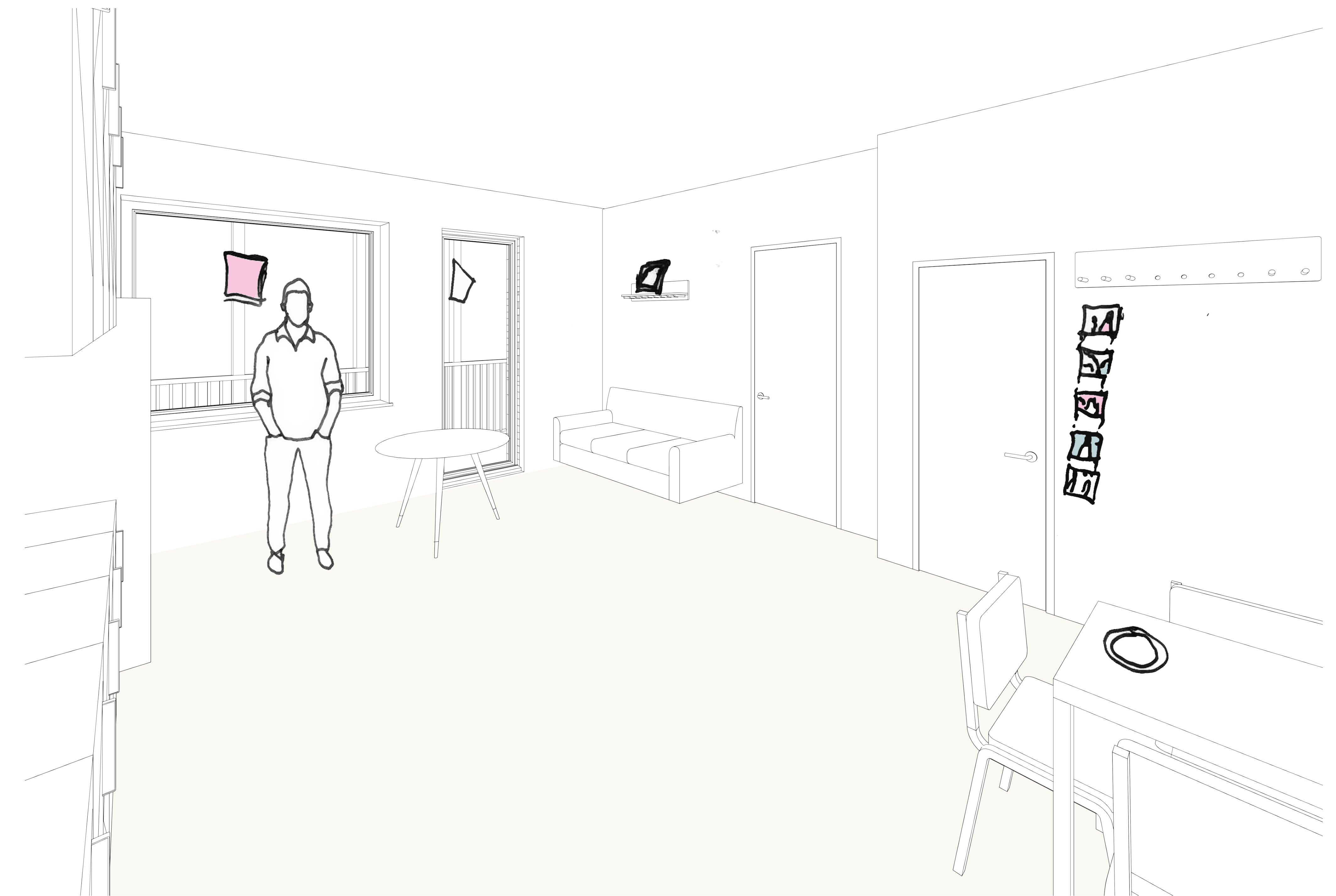
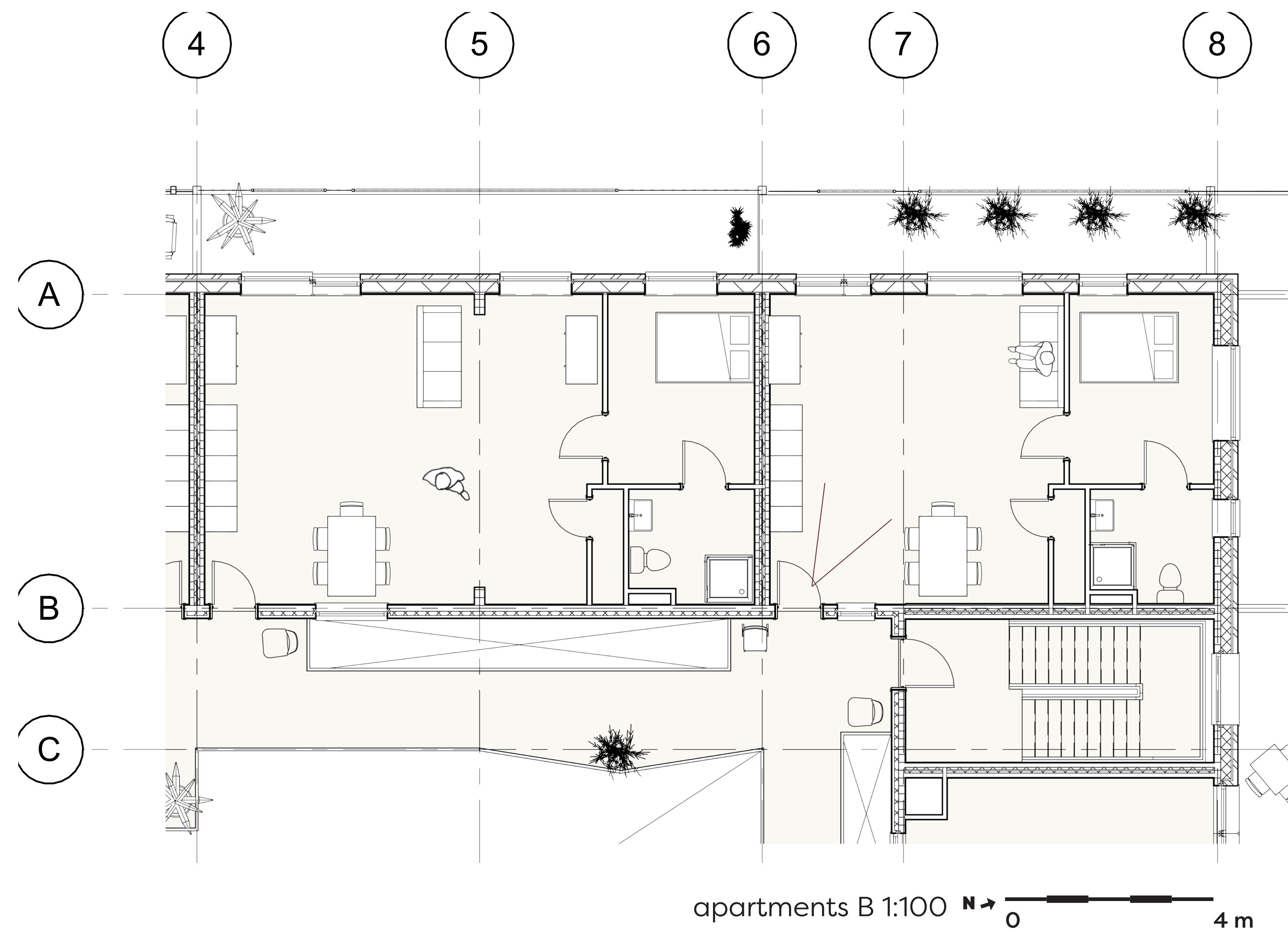
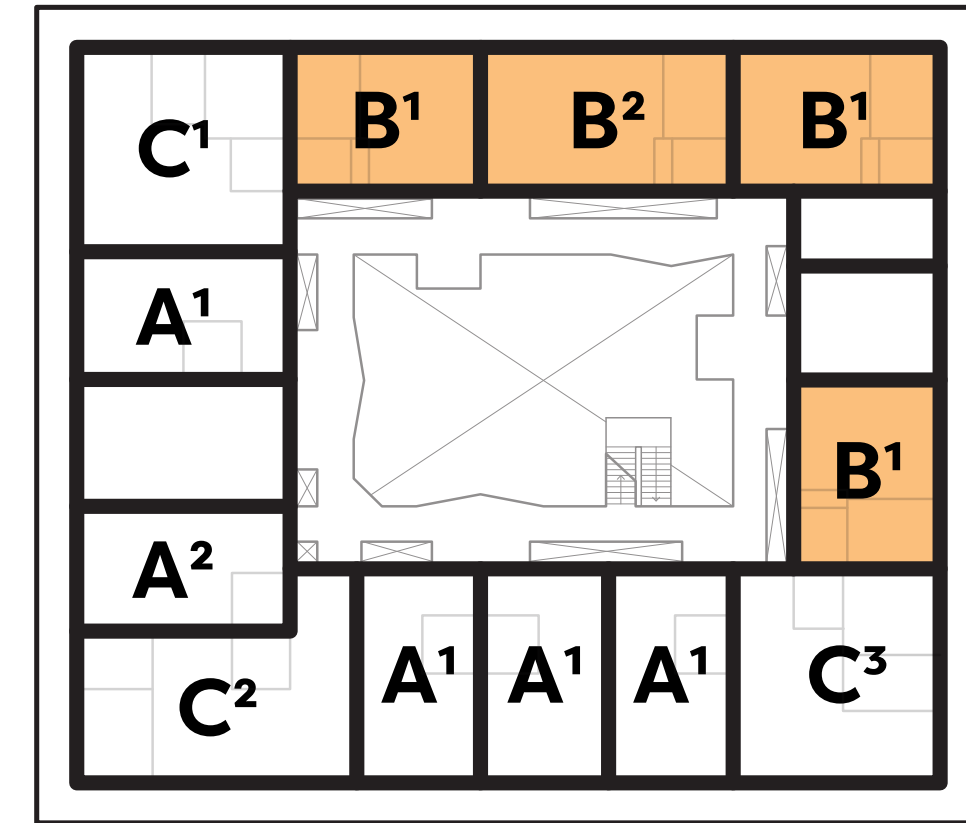
perspective 2



perspective 3

Apartments

Type B

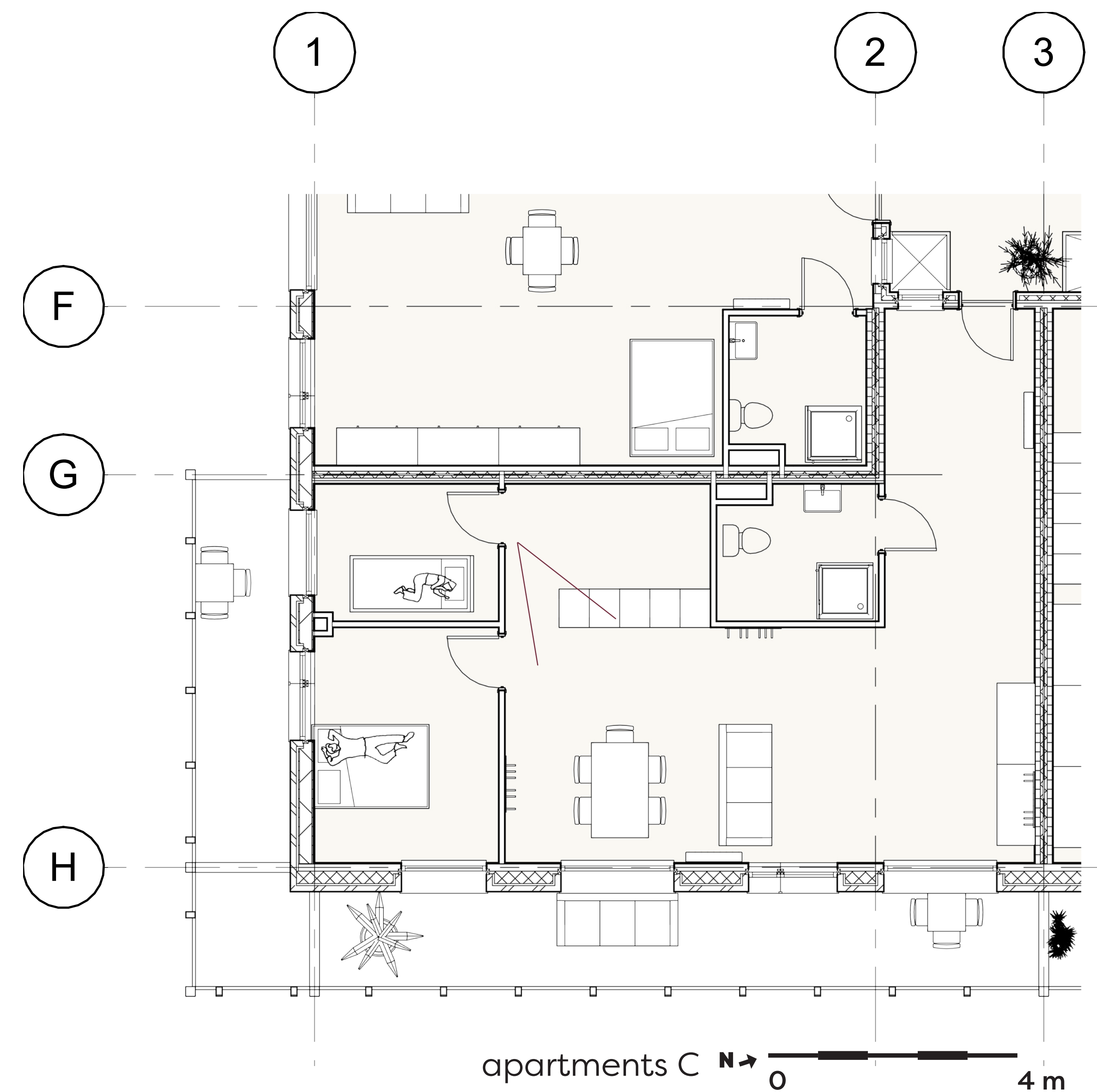
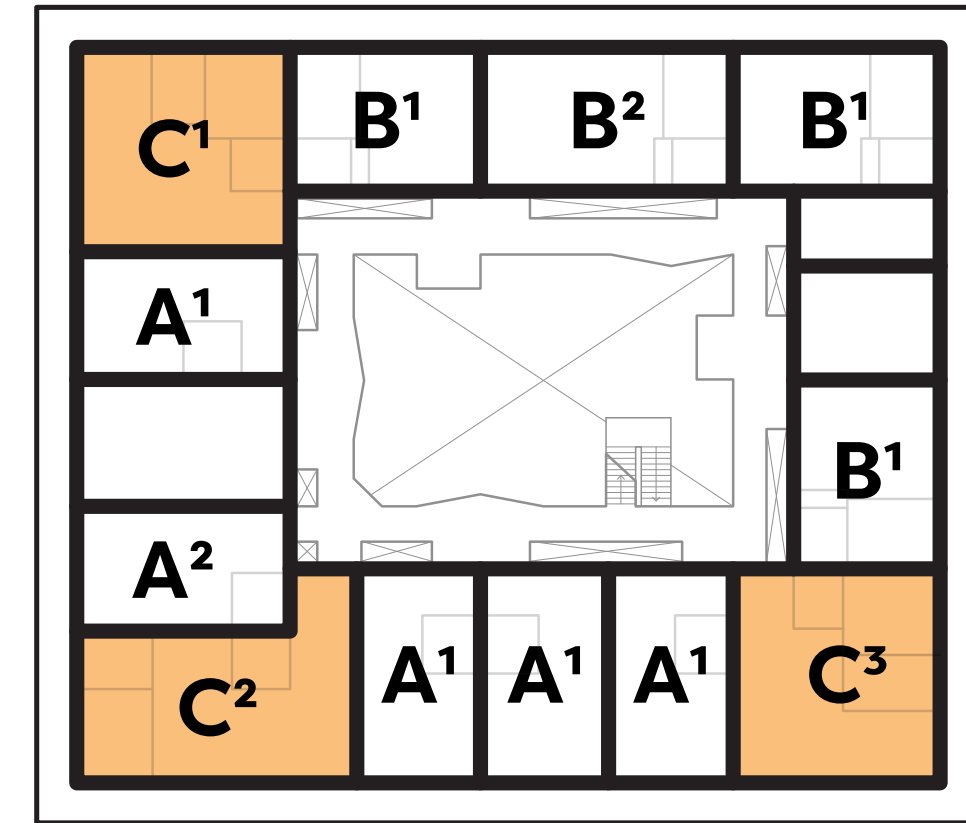


perspective apartment B

B

Apartments

Type C

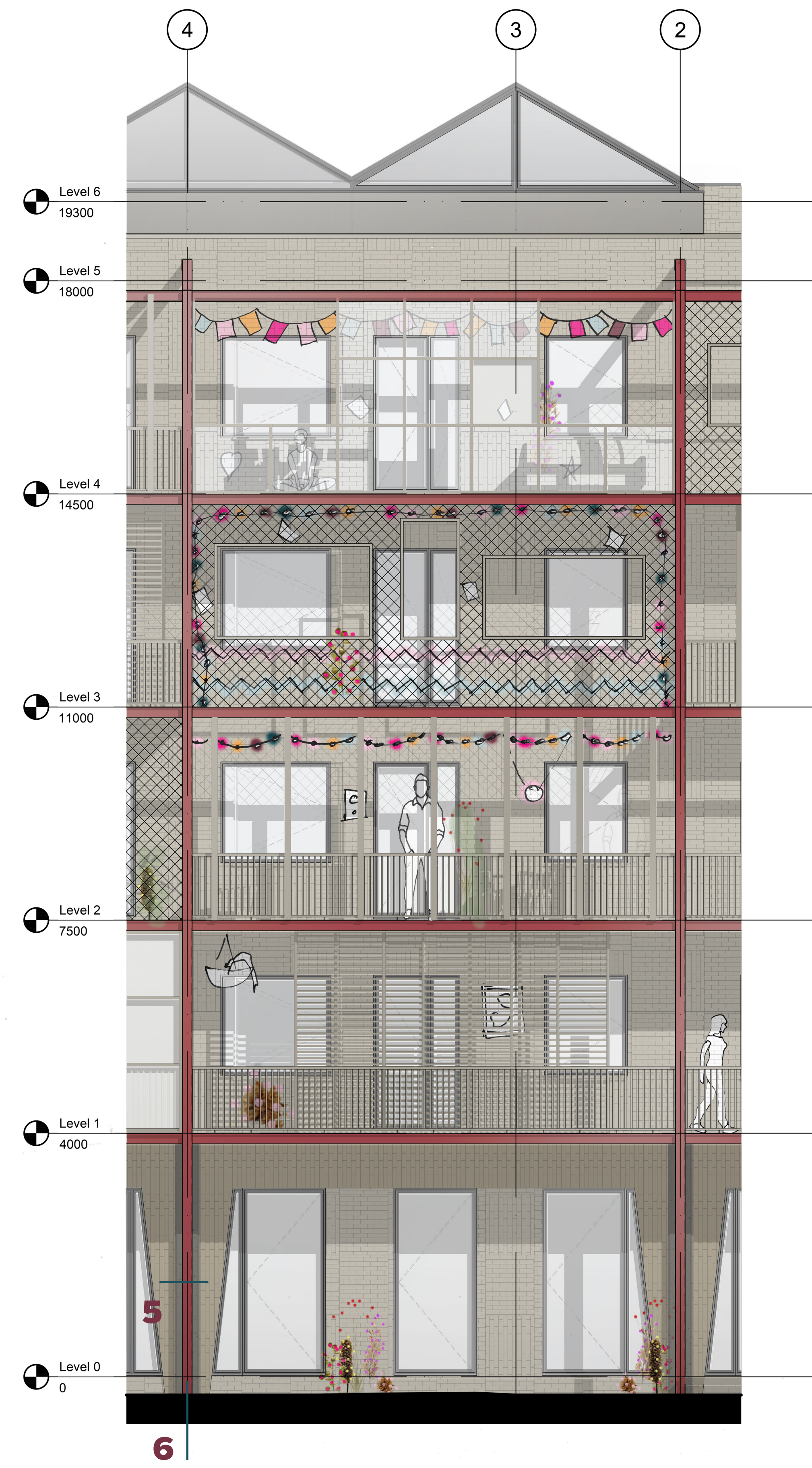


perspective apartment C

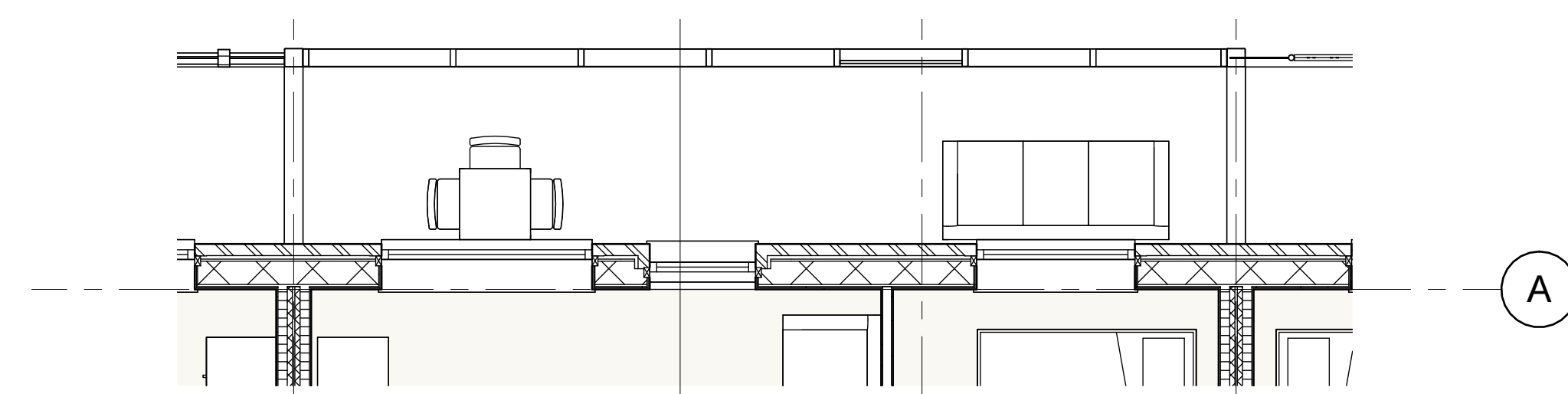
C

Building fragment

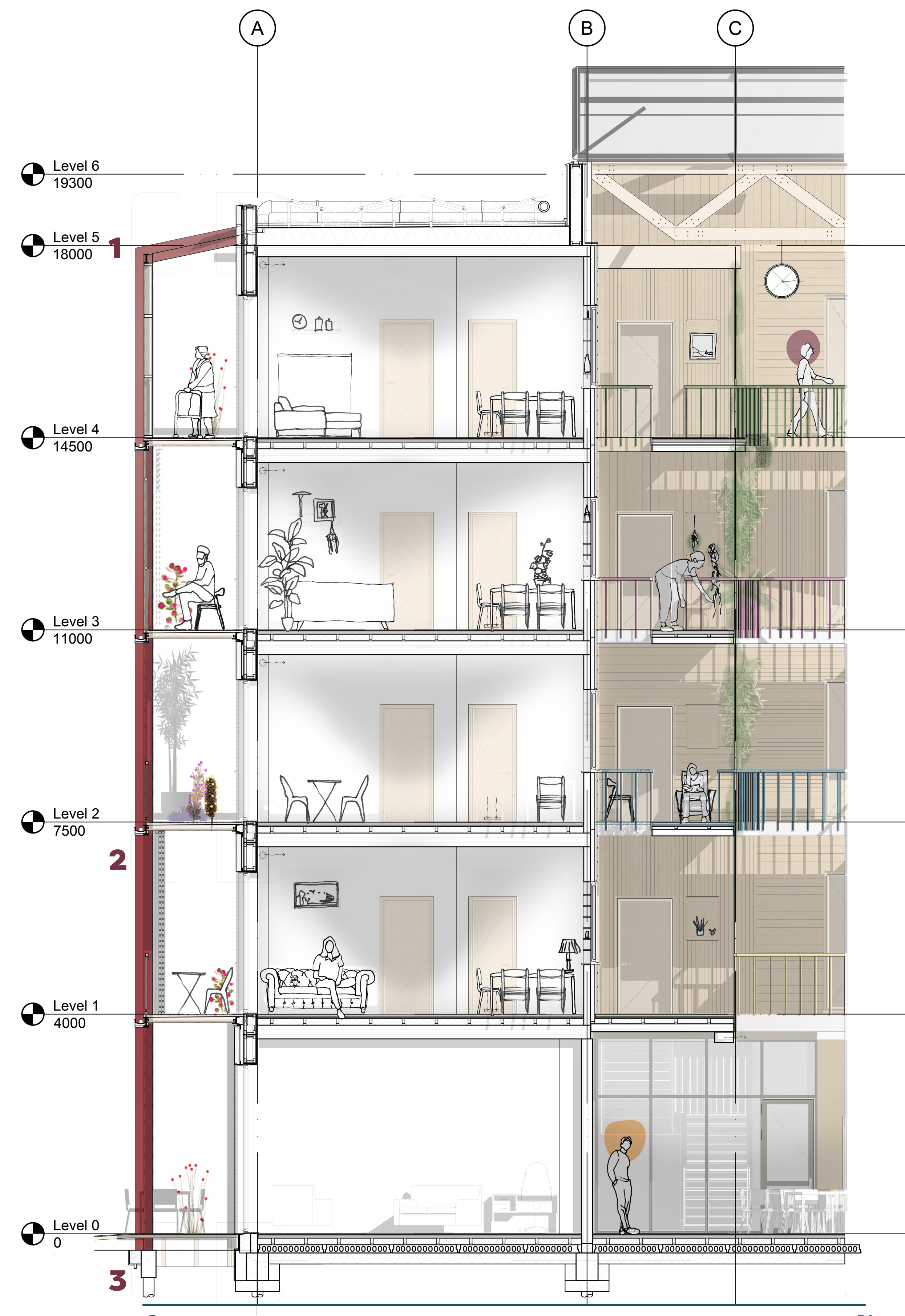
Outside elevation | Section | Atrium elevation



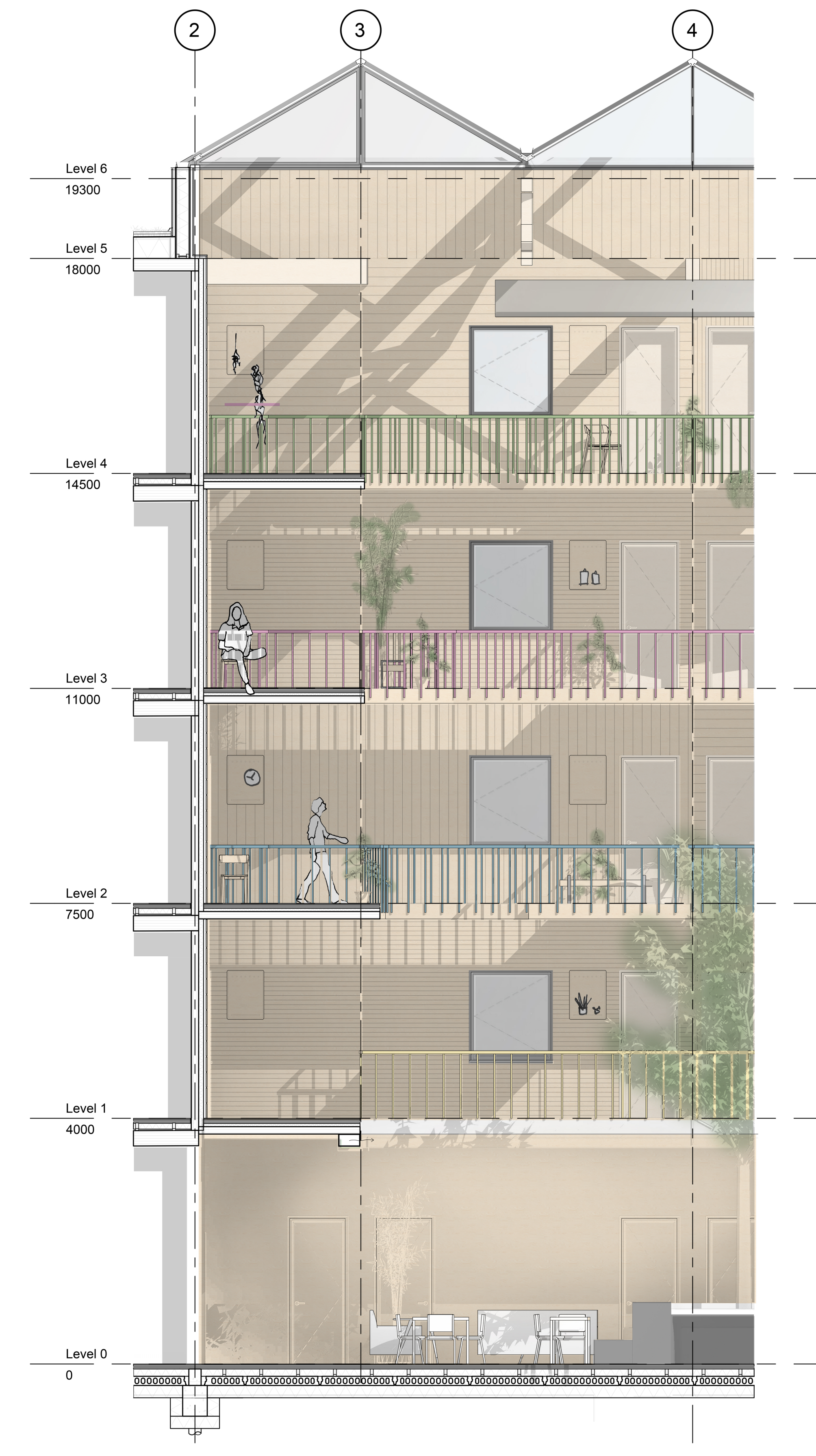
elevation facade 0 2m



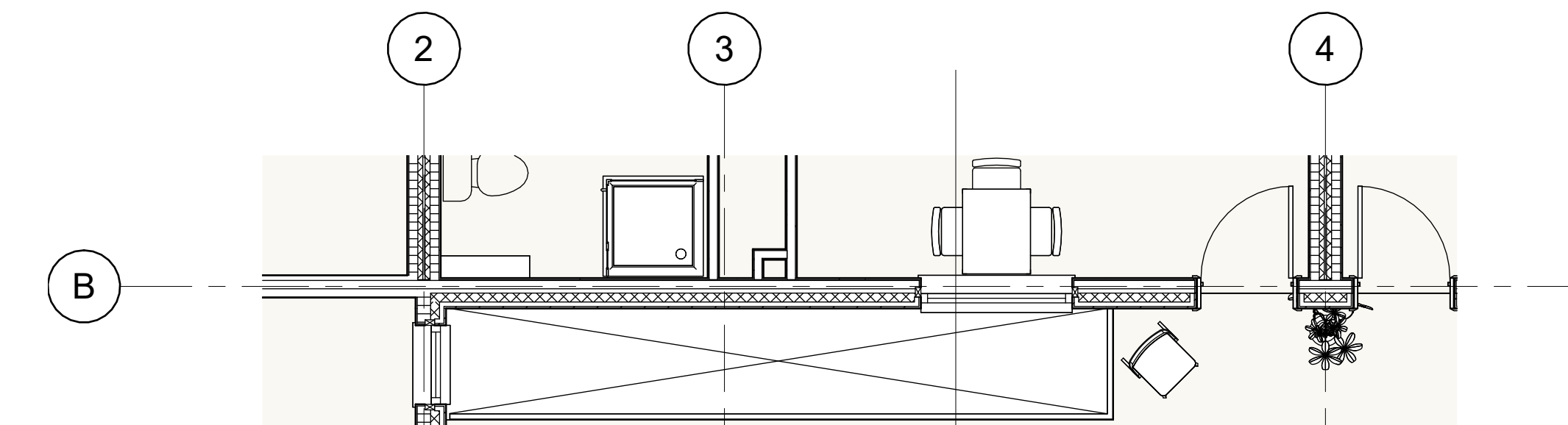
facade fragment 0 2m



section DD' 0 2m



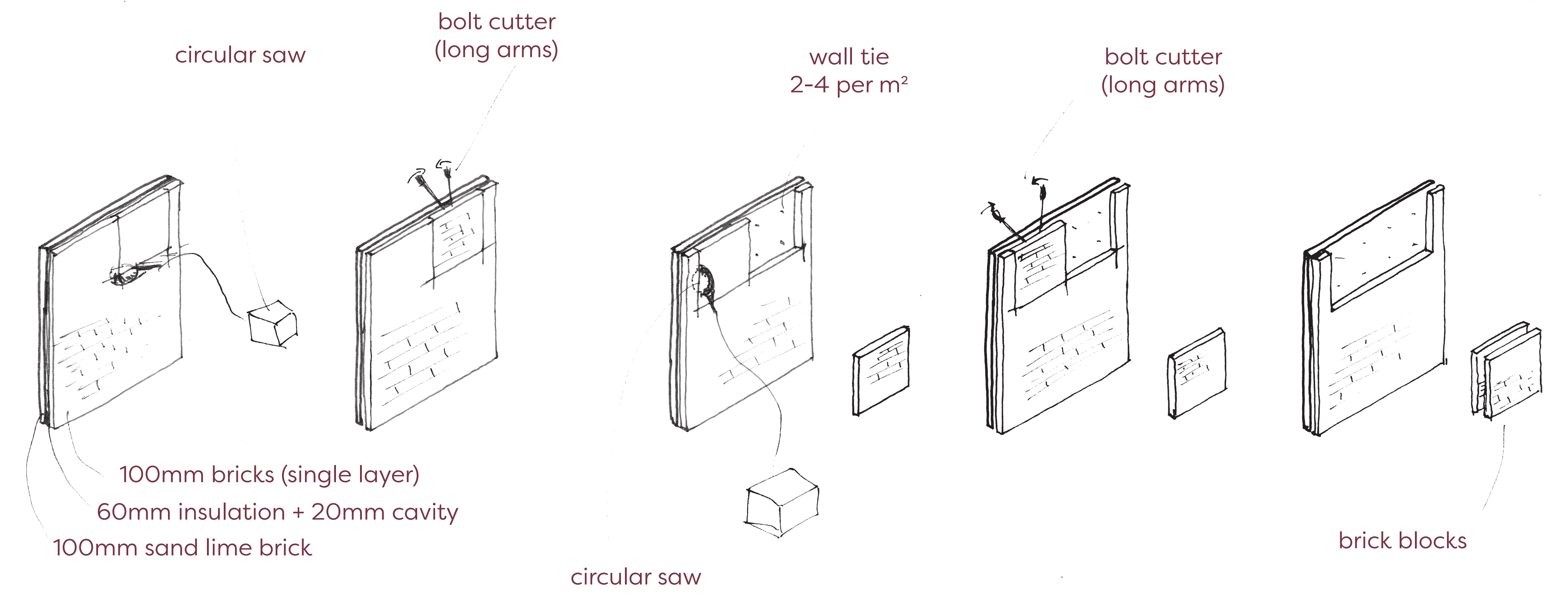
elevation facade atrium 0 2m



atrium fragment 0 2m

Reusing building materials

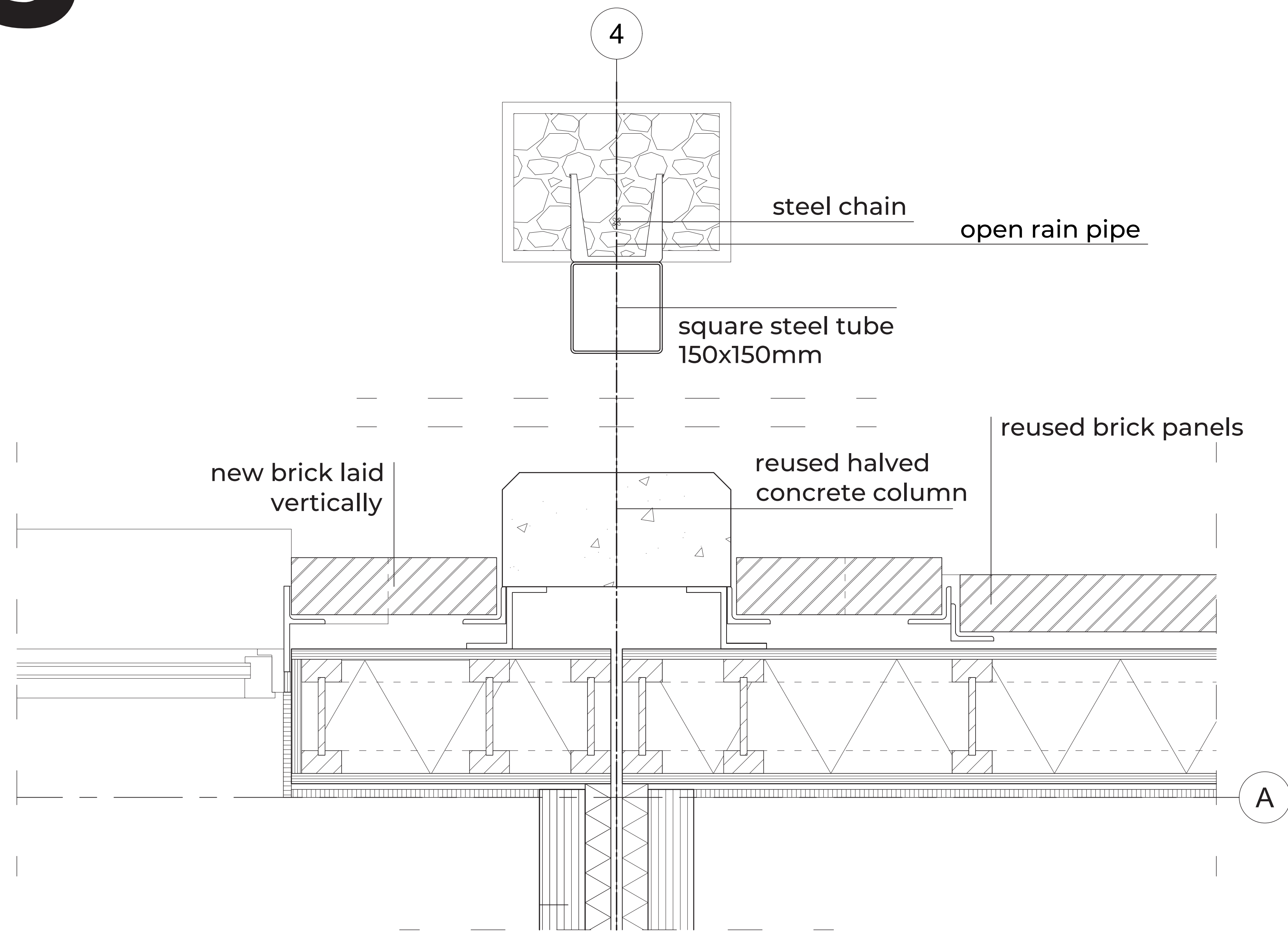
From the old revalidation centre



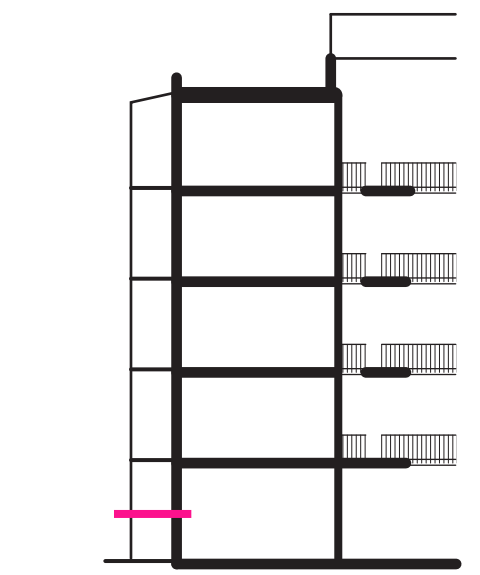
reference: Resouce Row, Lendager (DK)

Reused elements

5

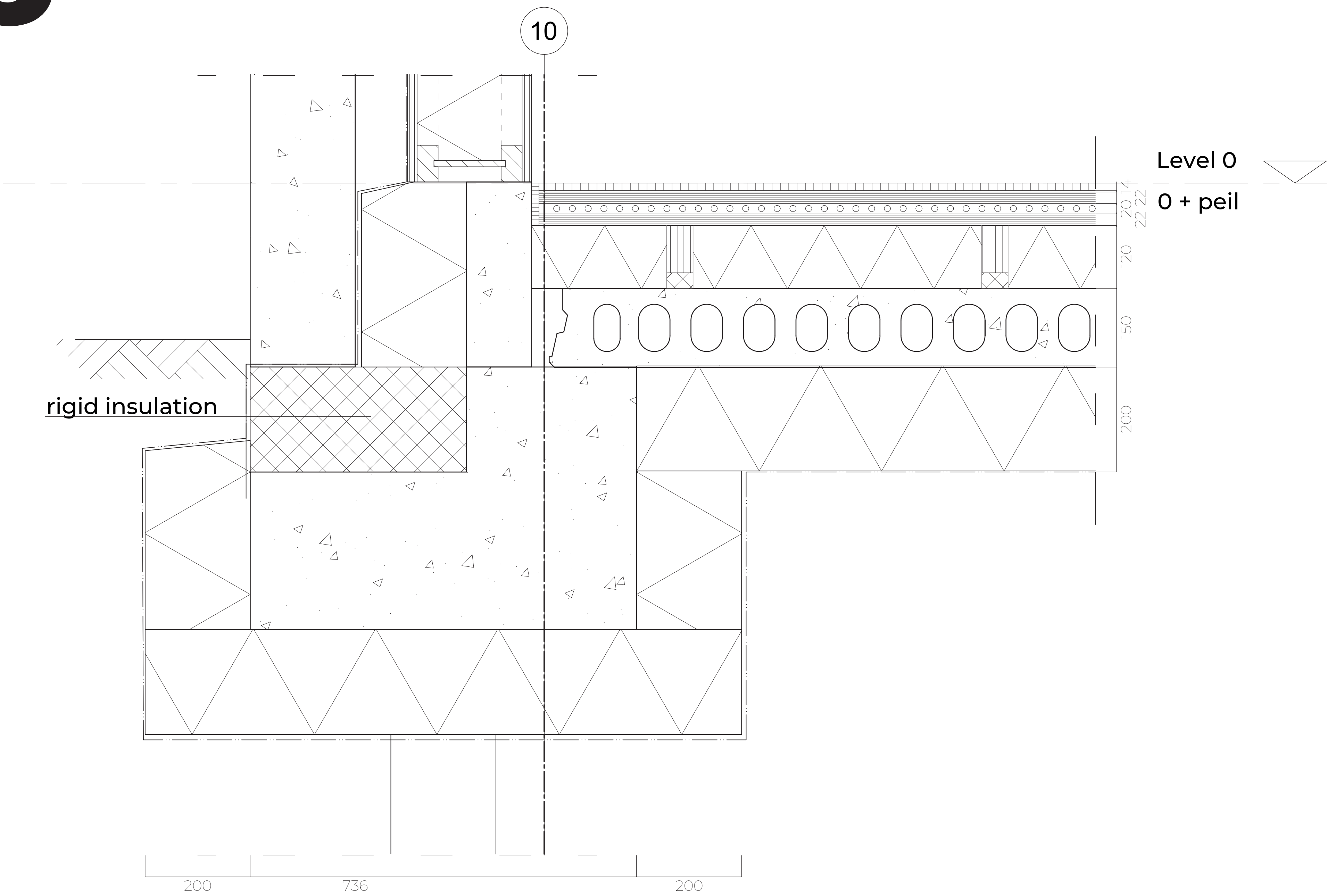


horizontal detail fragment Ground Floor

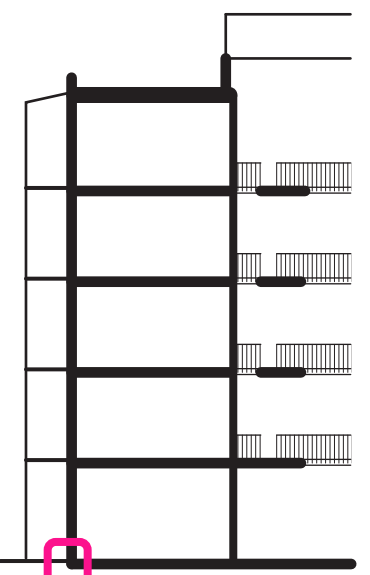


0 400 mm

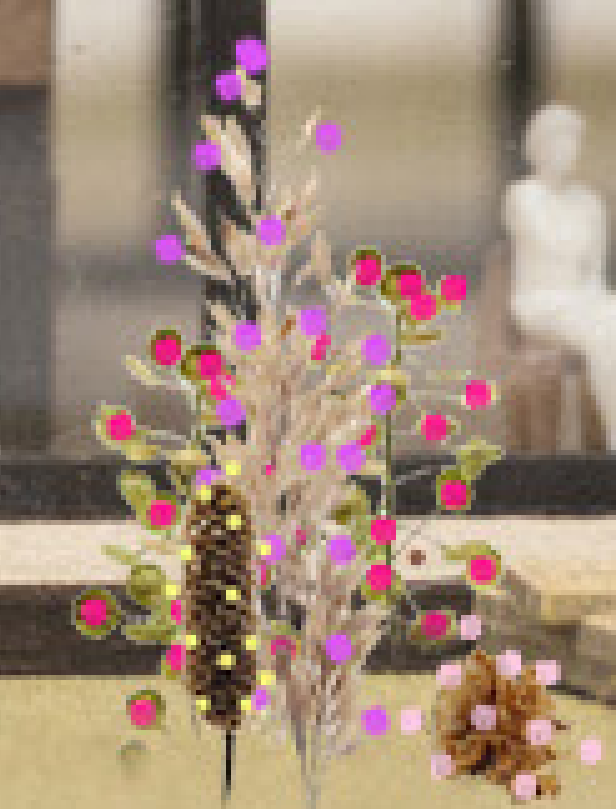
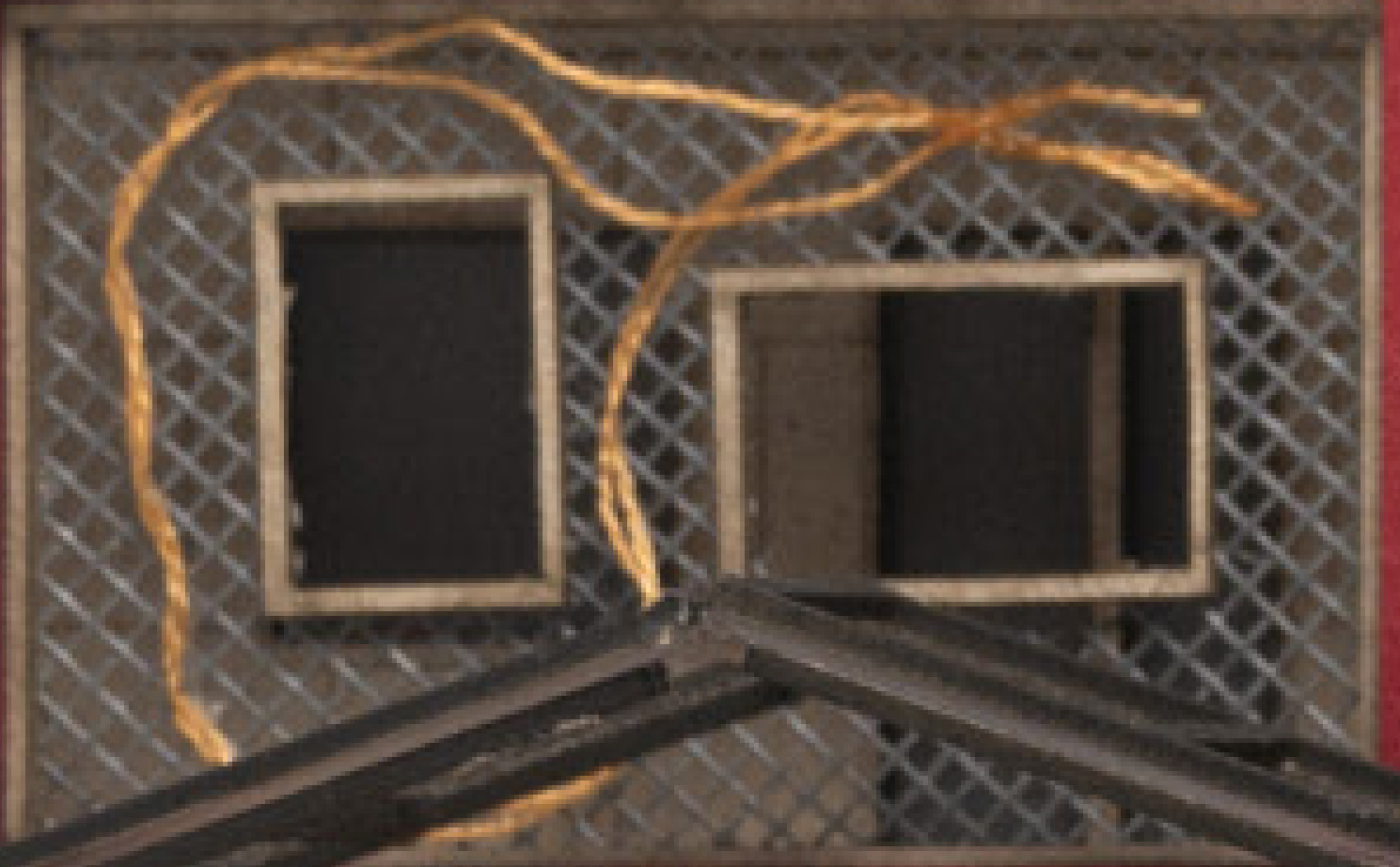
6



detail fragment foundation reused column



0 400 mm

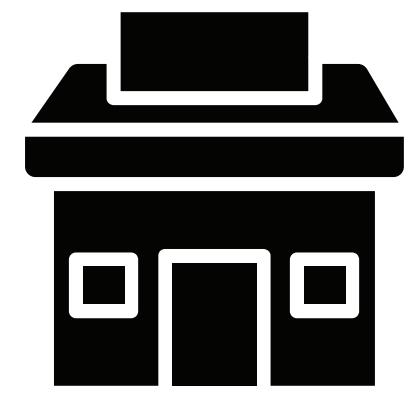




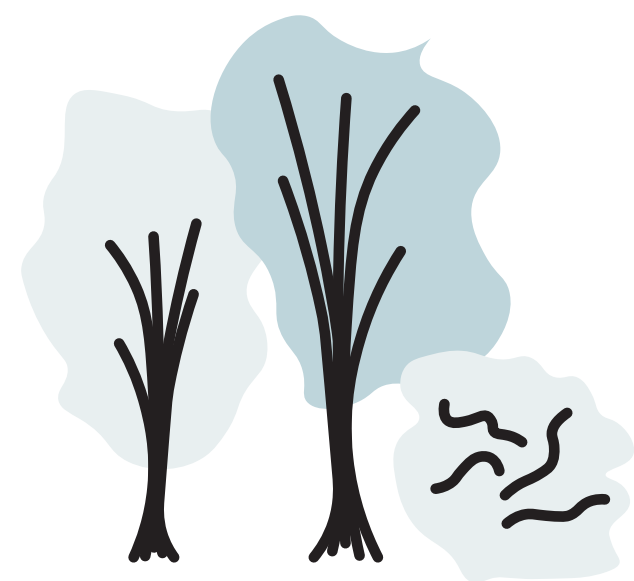
Thank you!

Architectural Guidelines

Surroundings



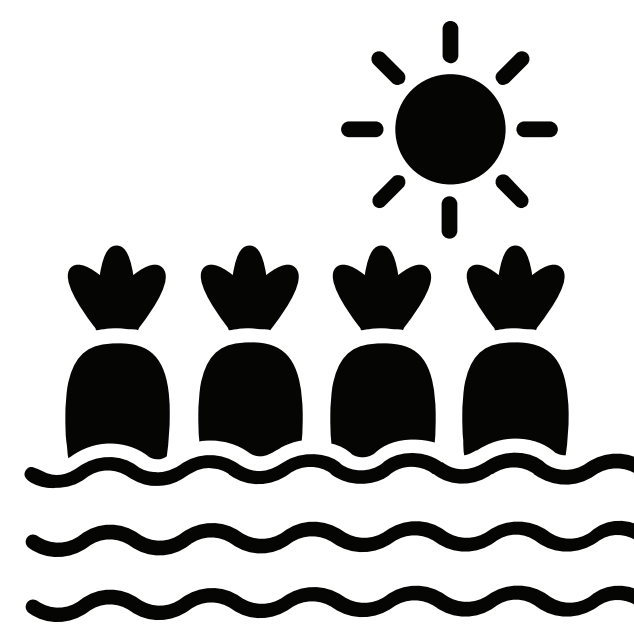
Functions in surroundings    



Nature in surroundings    

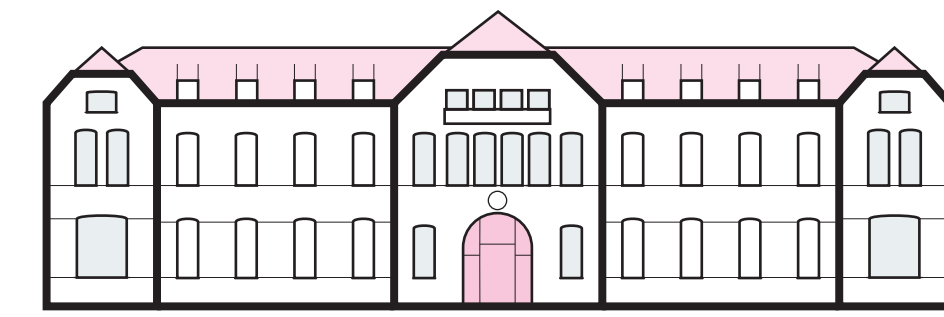


Different outdoor areas   



Vegetable garden  

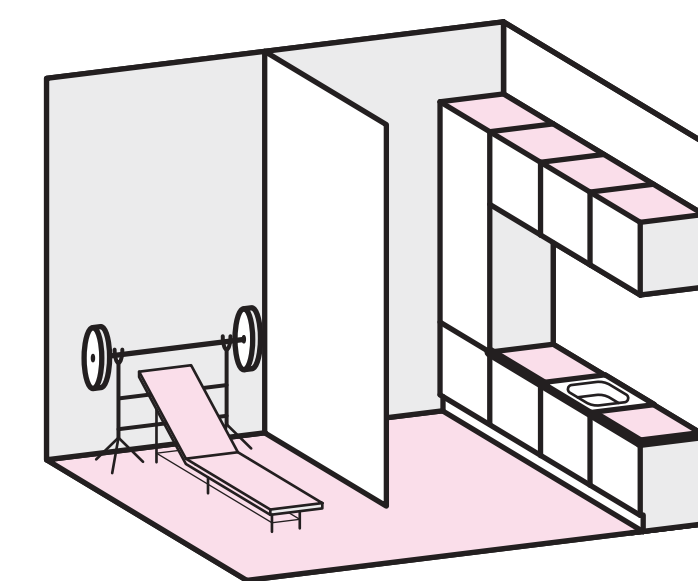
Building



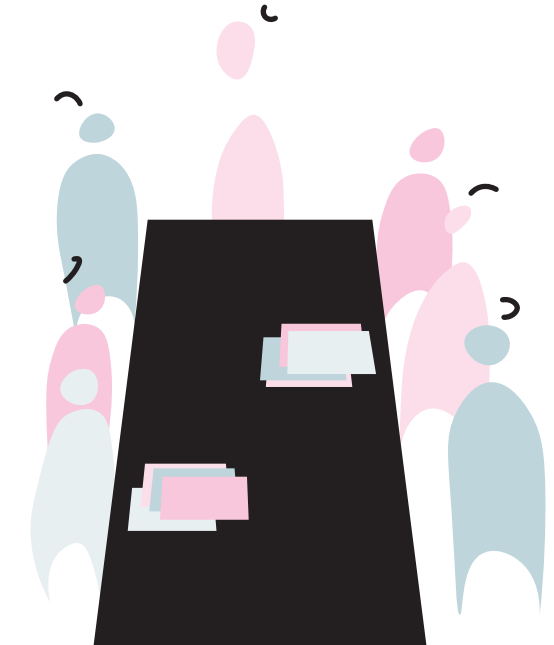
Minimize stigmatization   



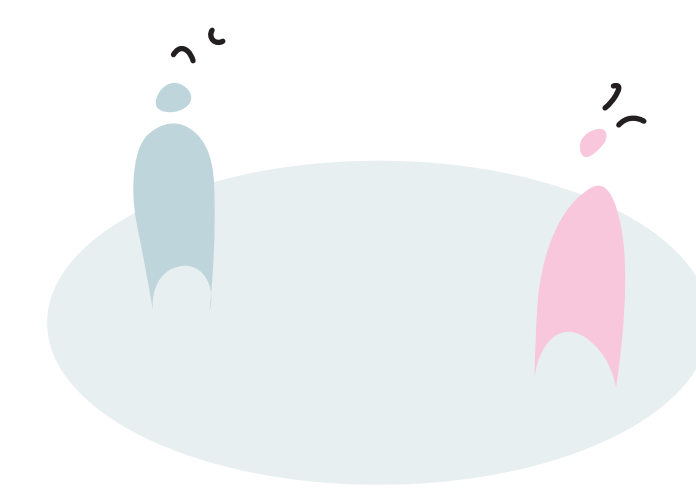
Cosy and Safe  



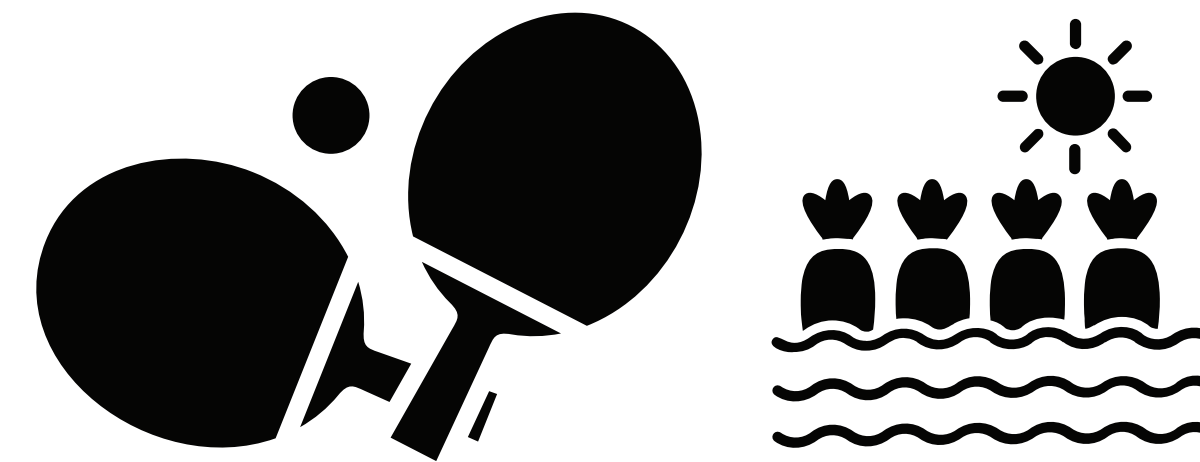
Sports and cooking  



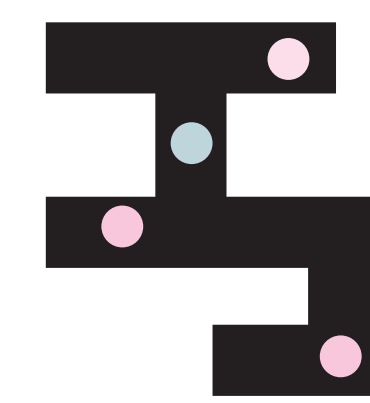
Patient's committee 



Spaces to meet  

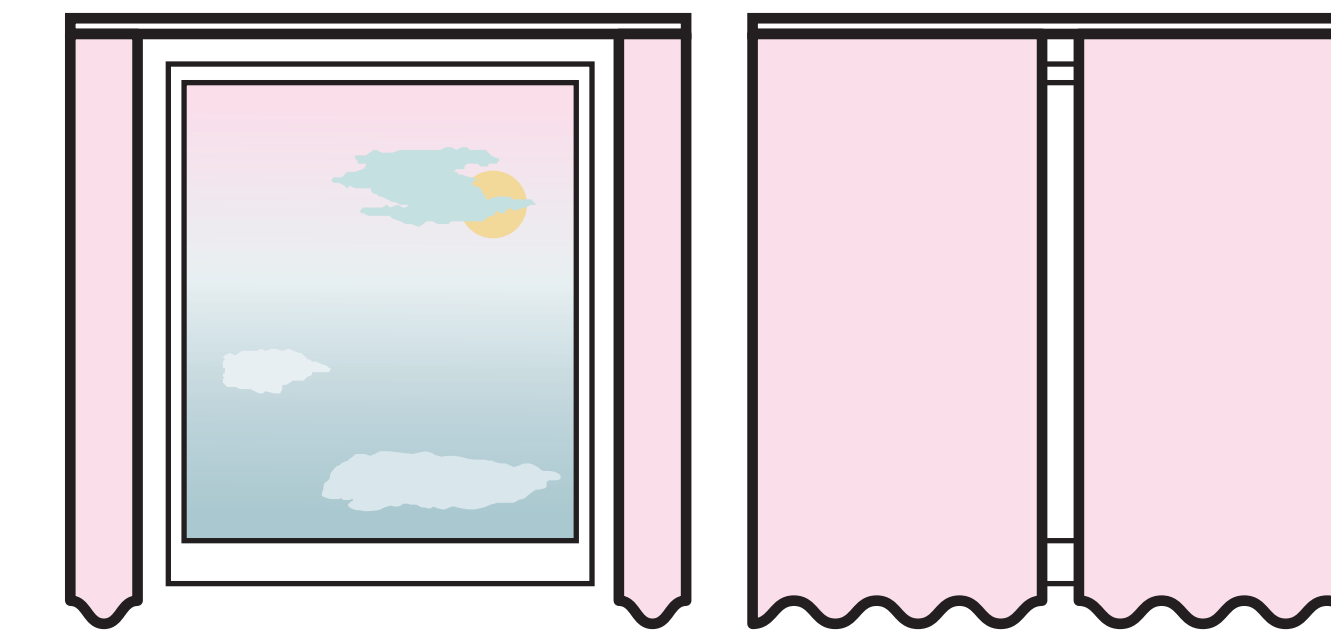


Making activities possible  



Multiple living rooms  

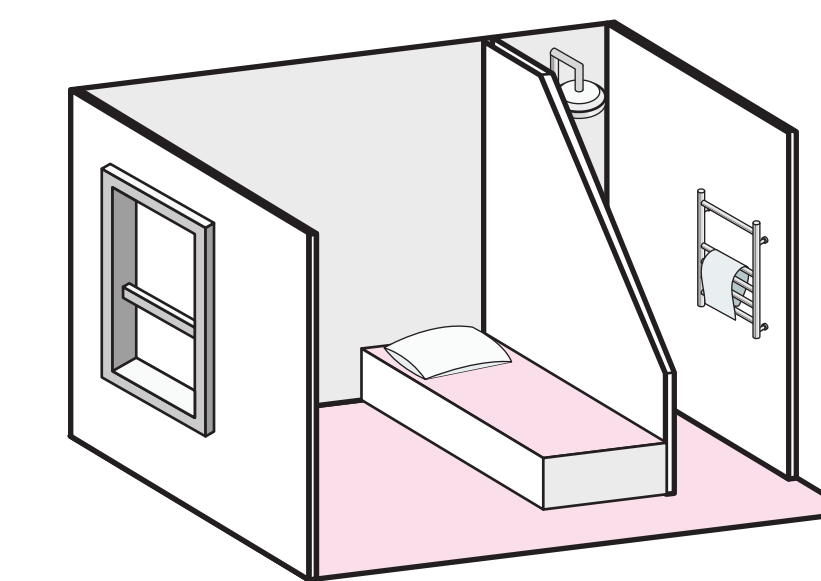
Private rooms



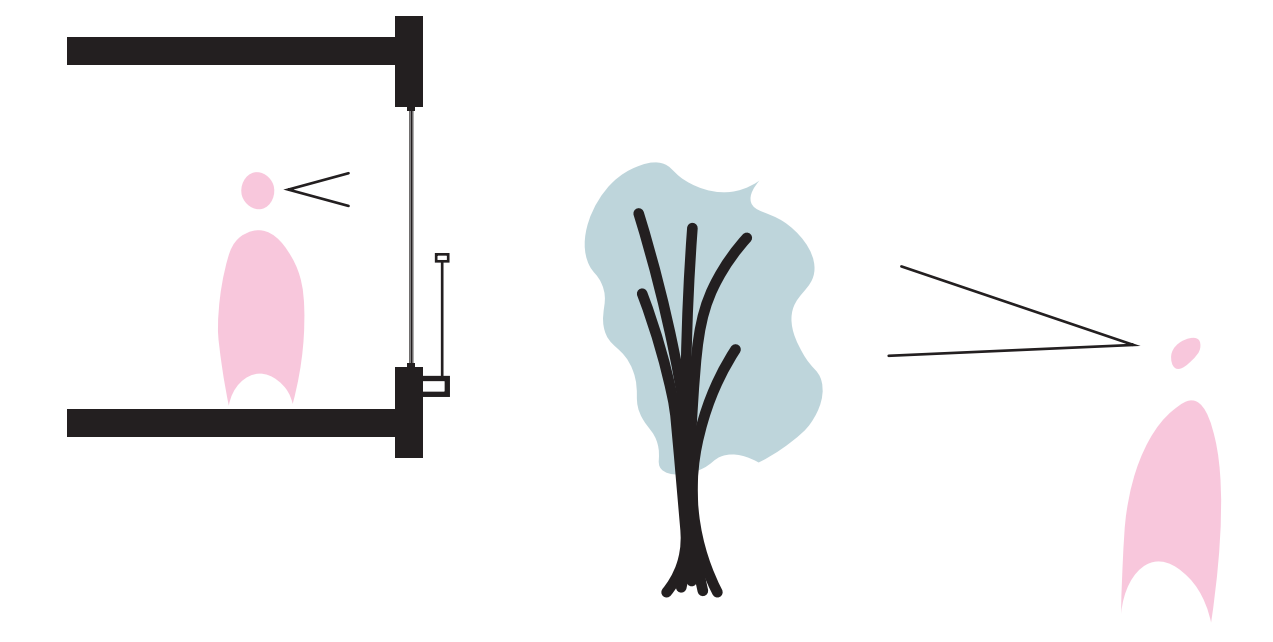
Feeling in control  



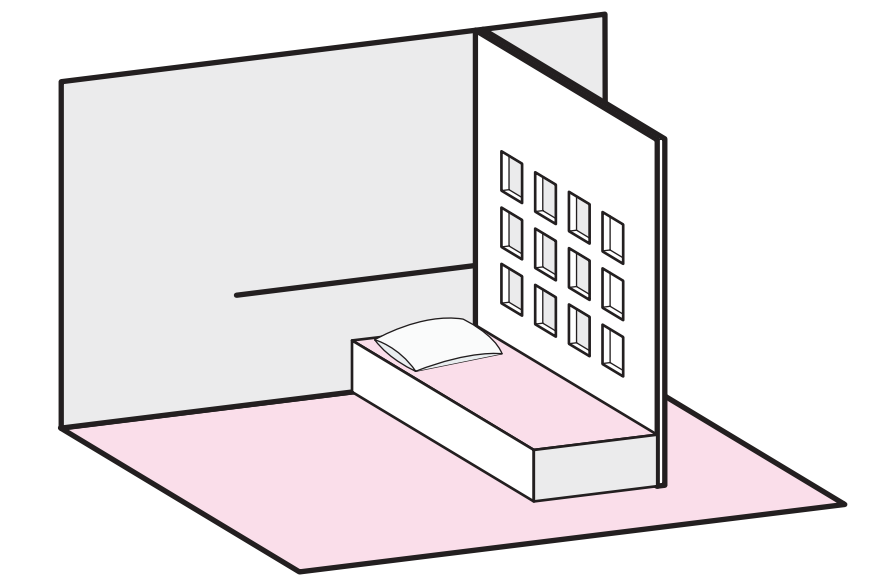
Being able to retreat  



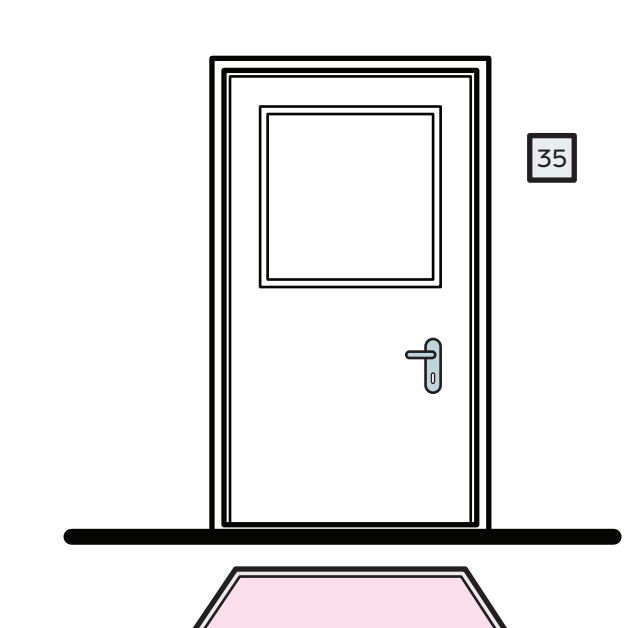
Individual apartments   



Privacy   



Designed to personalize   



Showing progress  