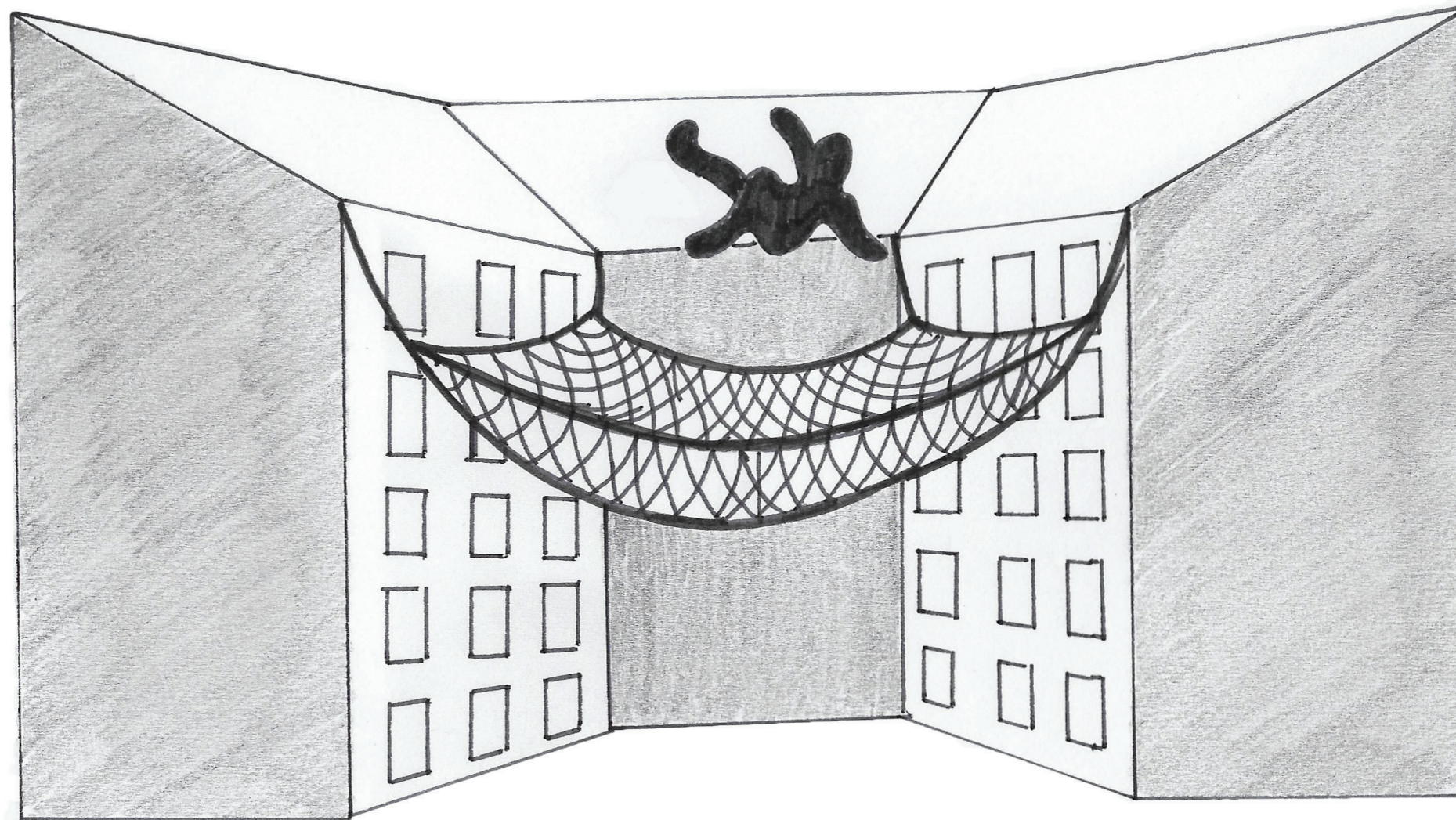


The Safetynet

Set of drawings



Set of drawings

Dutch housing graduation studio
Architecture and Dwelling
Faculty of Architecture and the
Build Environment
TU Delft

Student:

Amanda Schuurbiers // 4216431

Mentors:

Theo Kupers
Ferry Adema
Pierijn van der Putt

Date:

Januari 2019

The Safetynet

Set of drawings

Project data



Location:

Groenmarkt, Amsterdam
52°22'15.8"N 4°52'32.2"E

FSI:

1.7

Amount of dwellings:

between 38 and 92

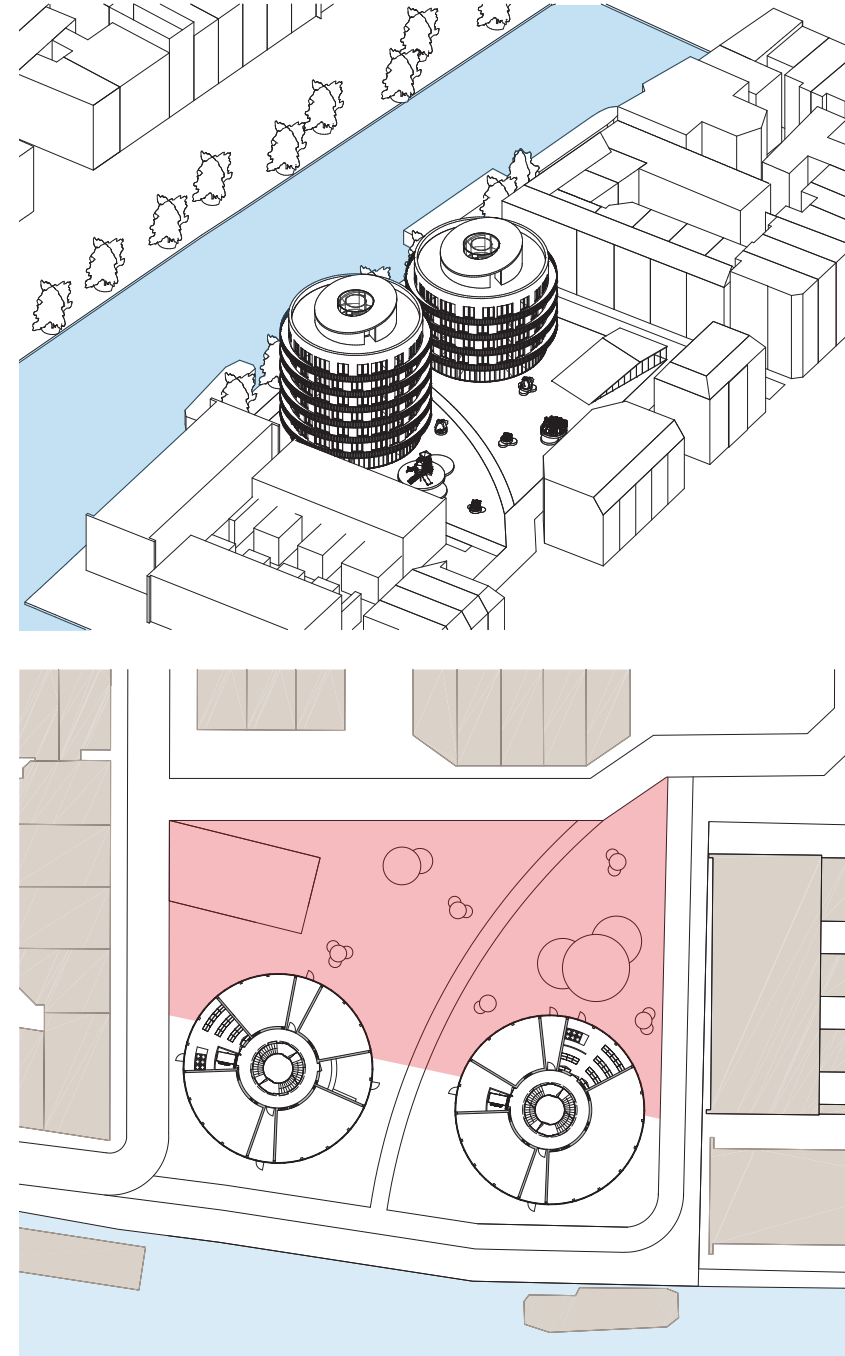
Amount of parking spots:

33

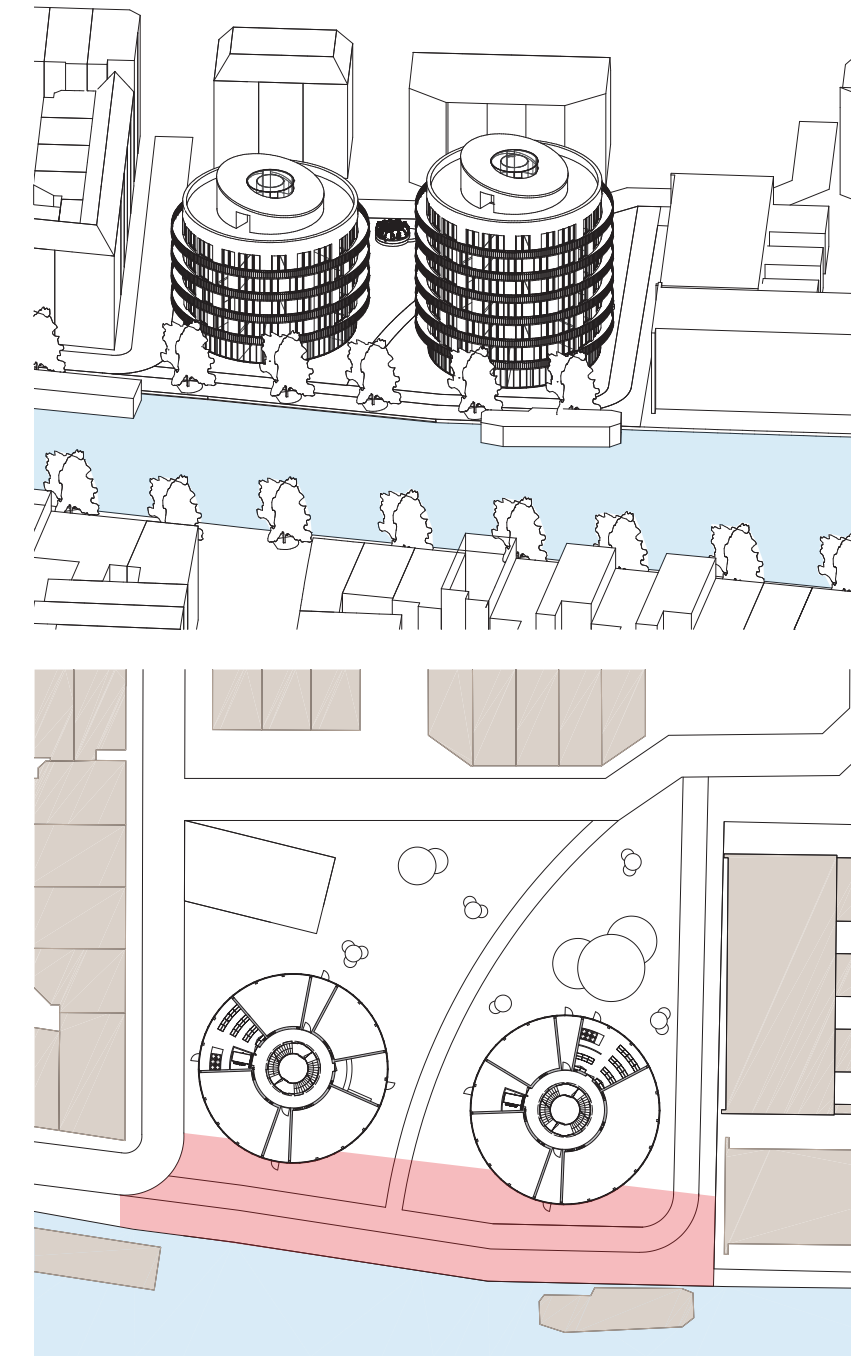
Free lettable space:

304 m²

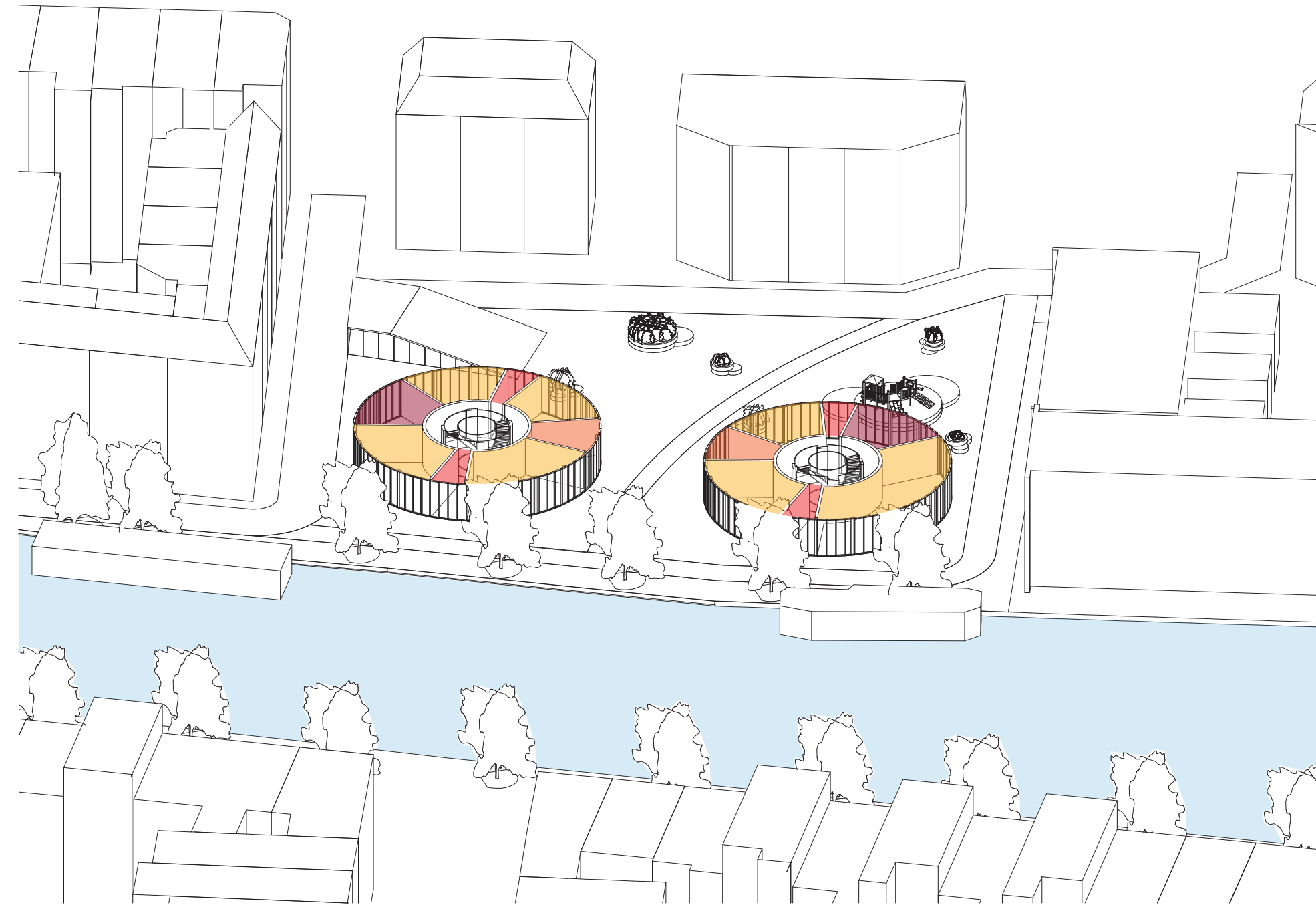
Outdoor space Groenmarktkade



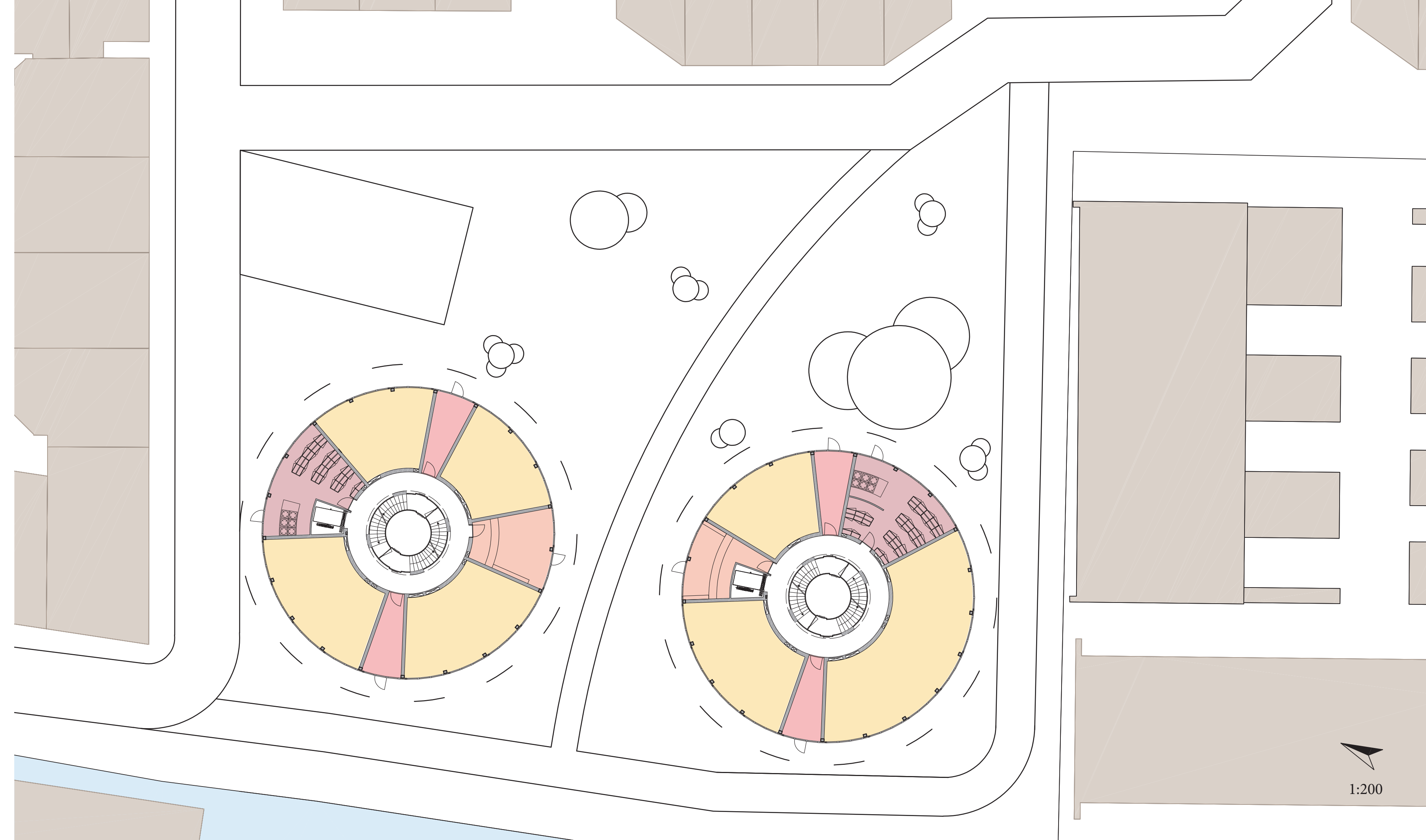
Outdoor space waterside



Ground floor



- laundry room and distribution cabinets
- entrance
- reception
- free lettable

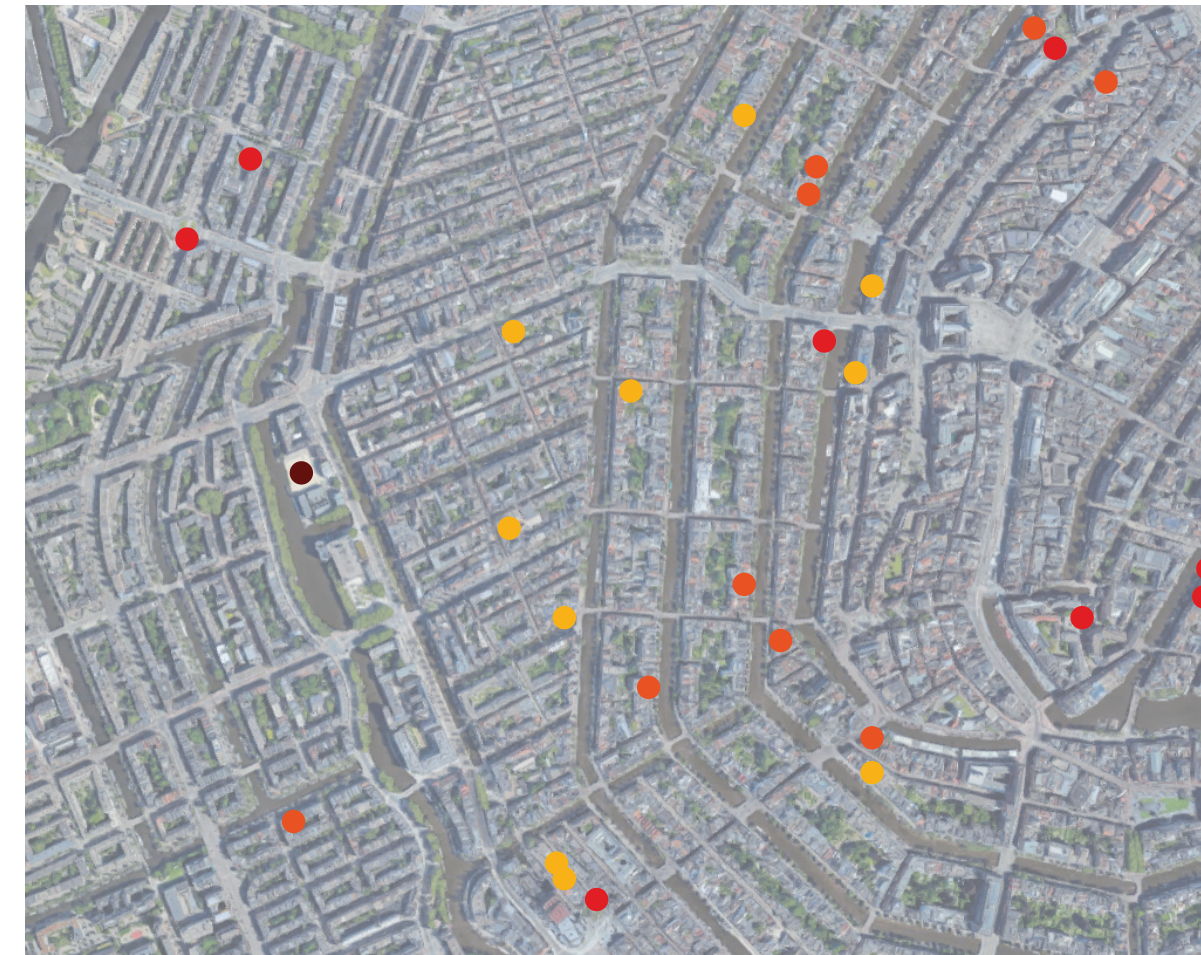
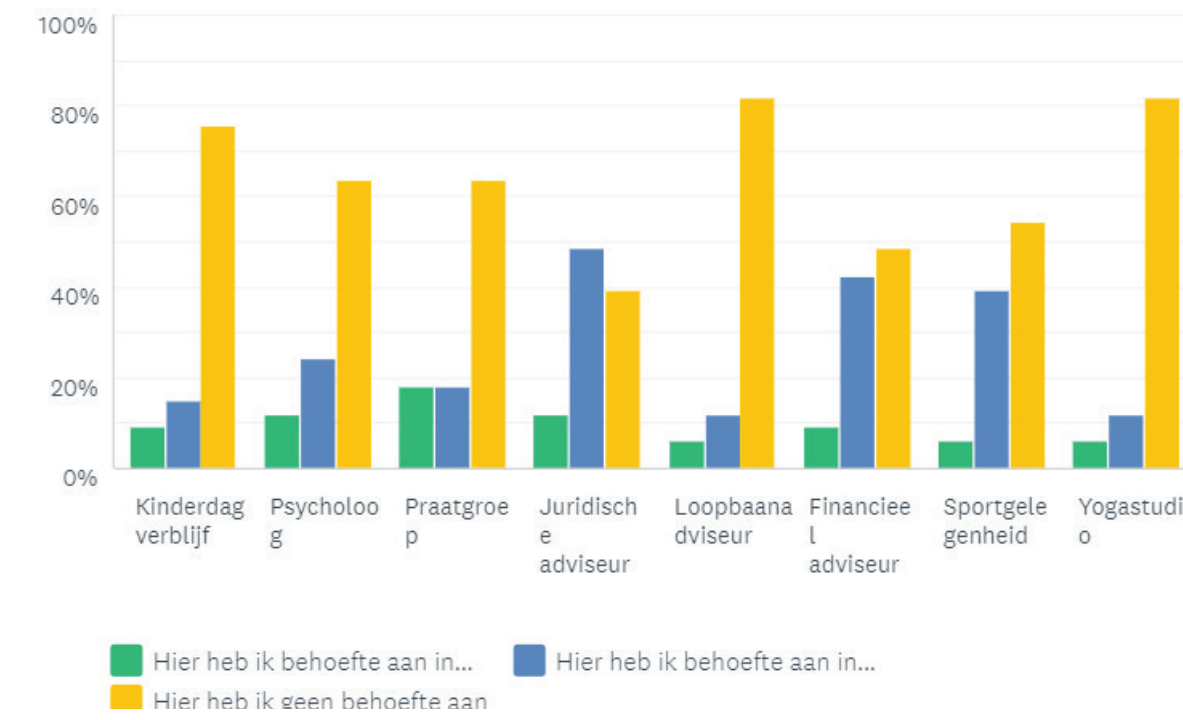


1:200

Free lettale

What facilities do/ did you need and where should these be situated?

Beantwoord: 33 Overgeslagen: 0

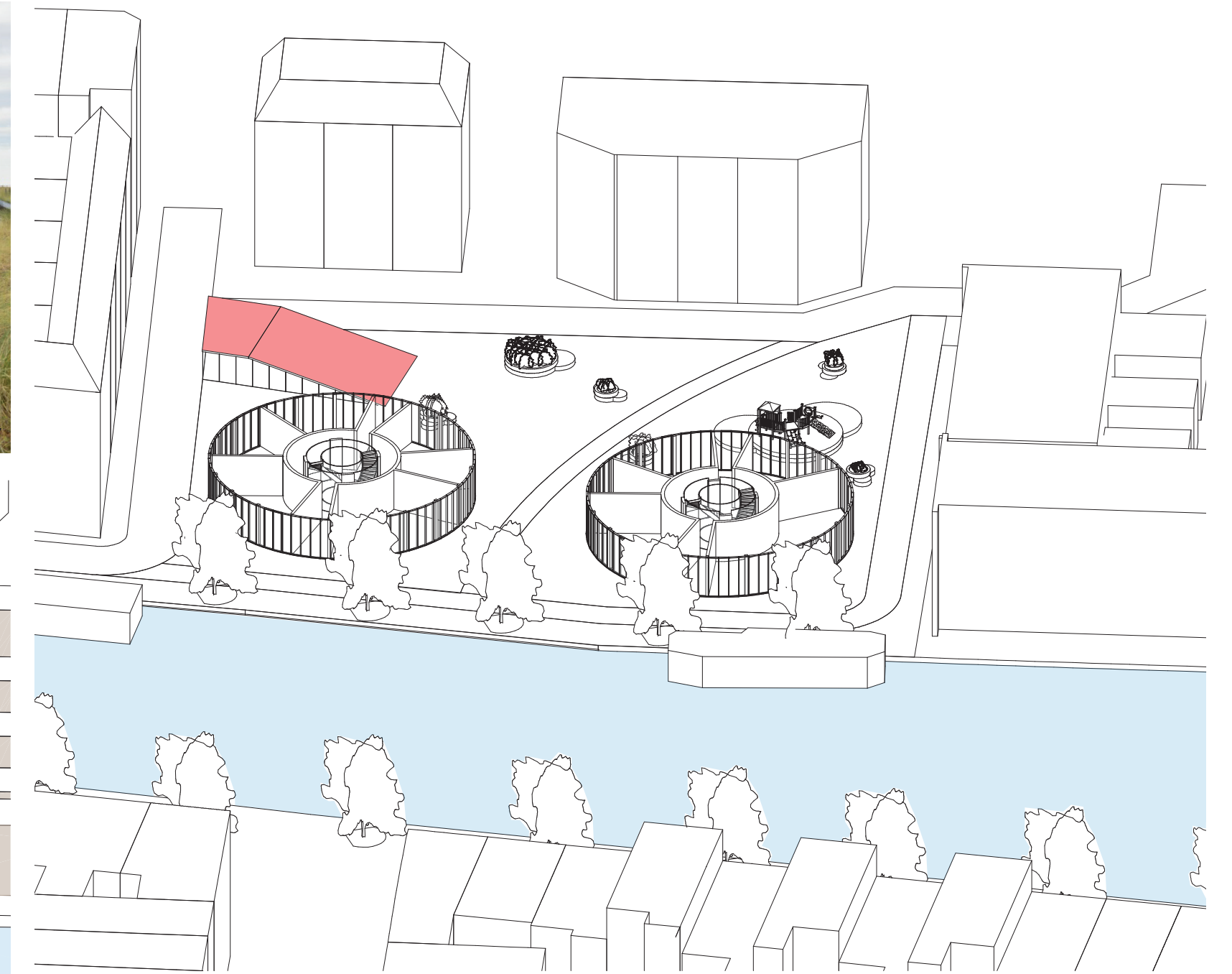
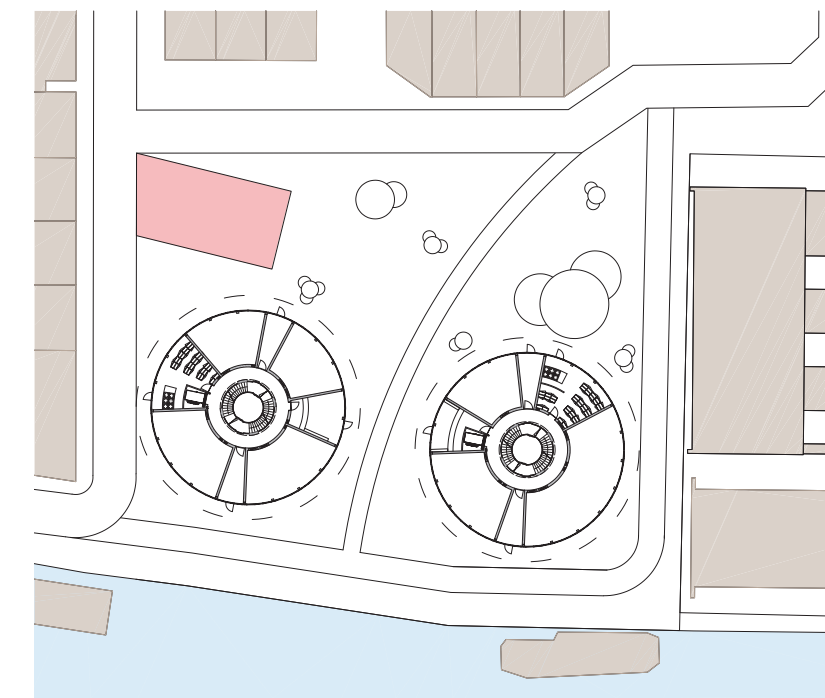


- site
- legal advisor
- financial advisor
- gym

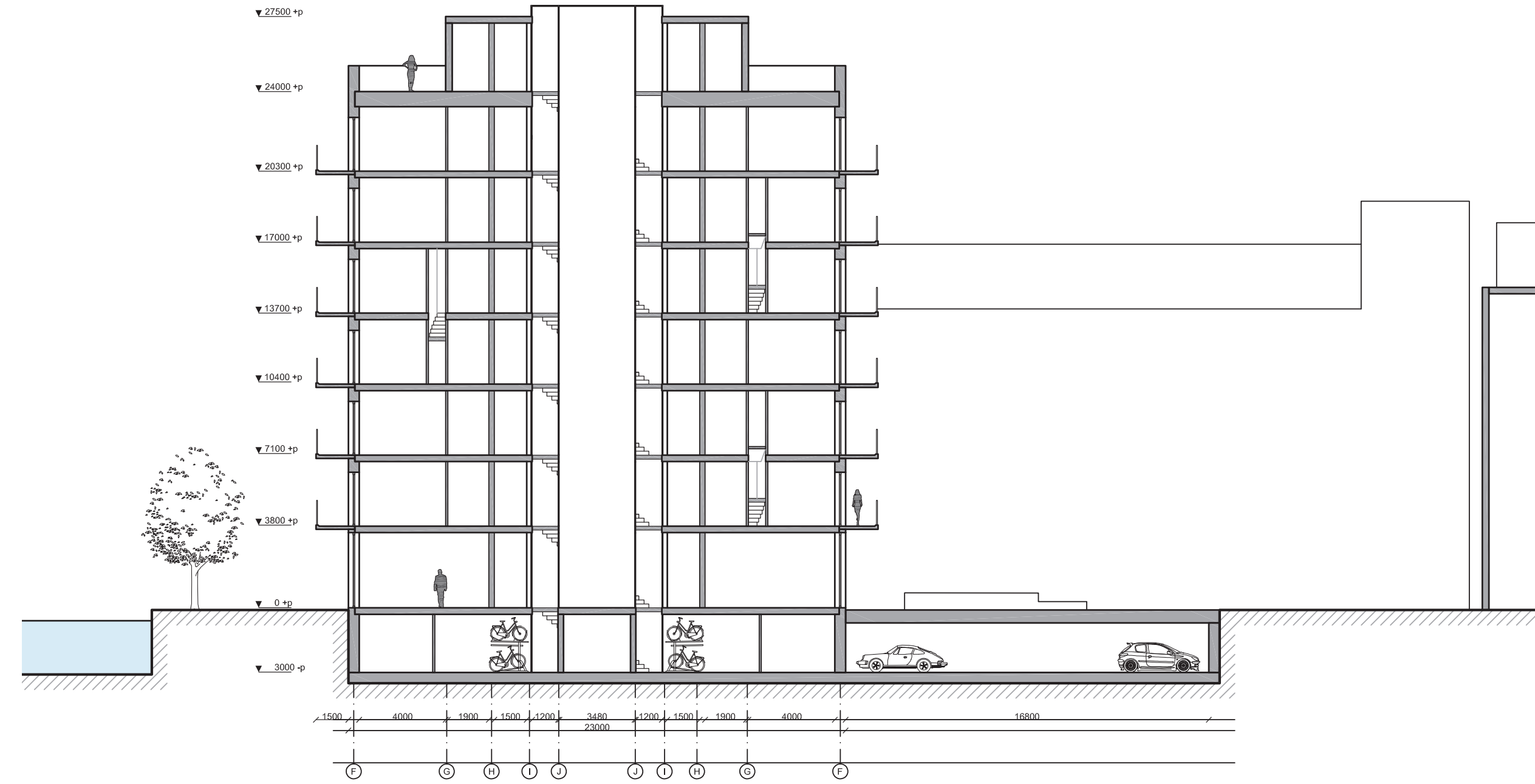
Parking garage



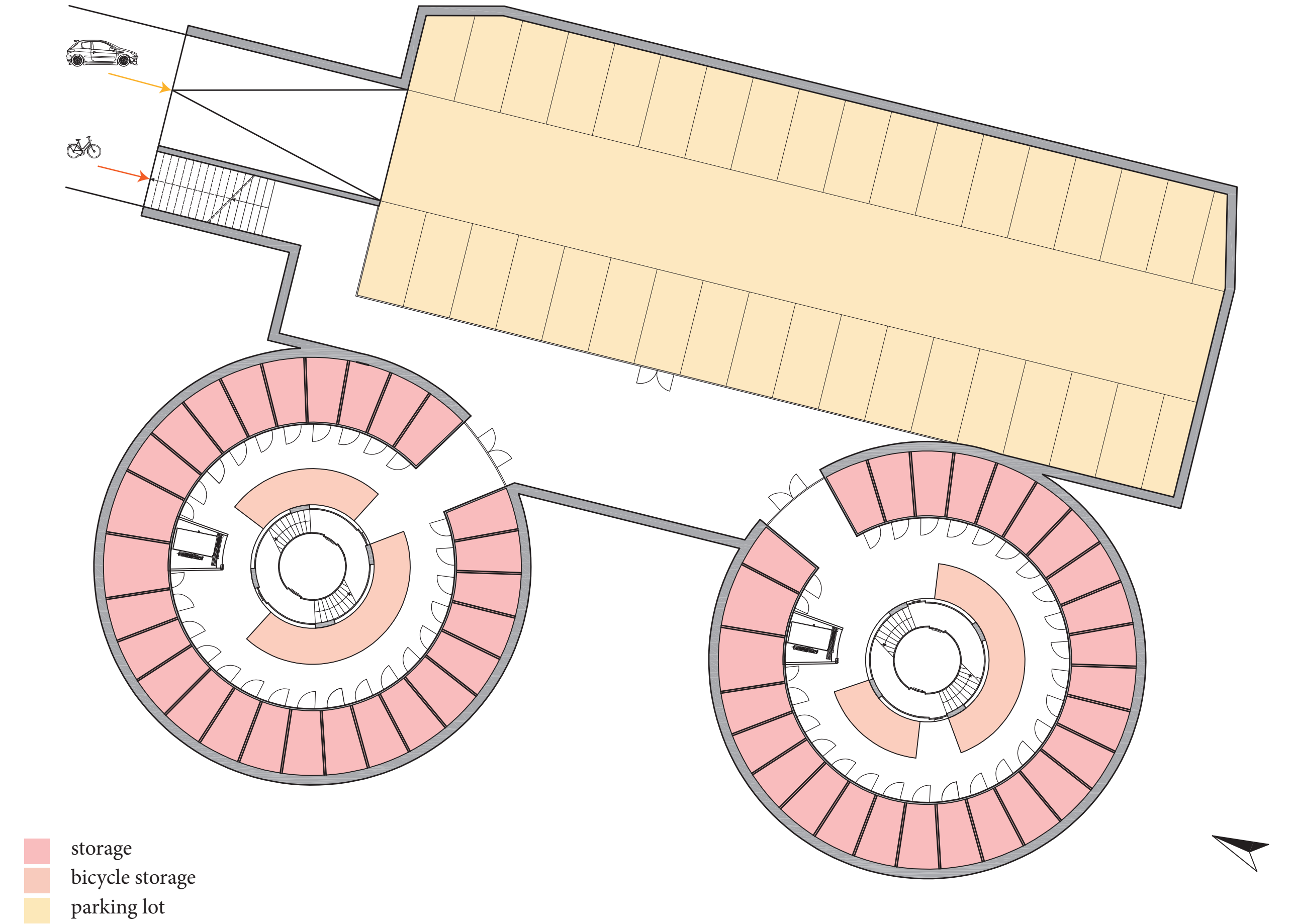
bron: Verwoerd, 2017



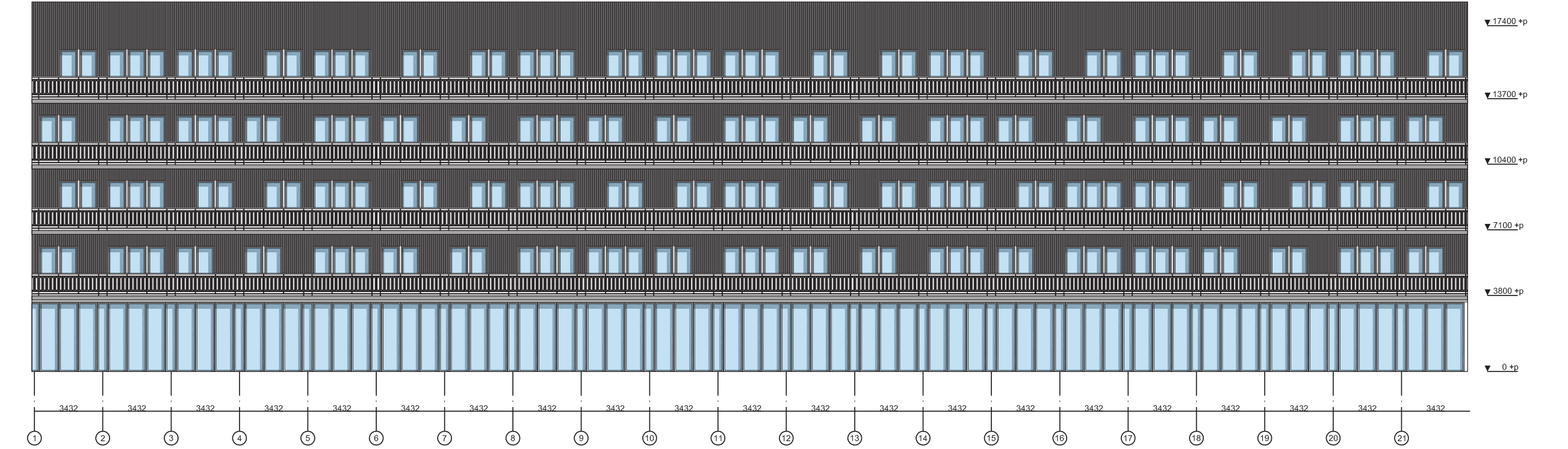
Parking garage: section 1:200



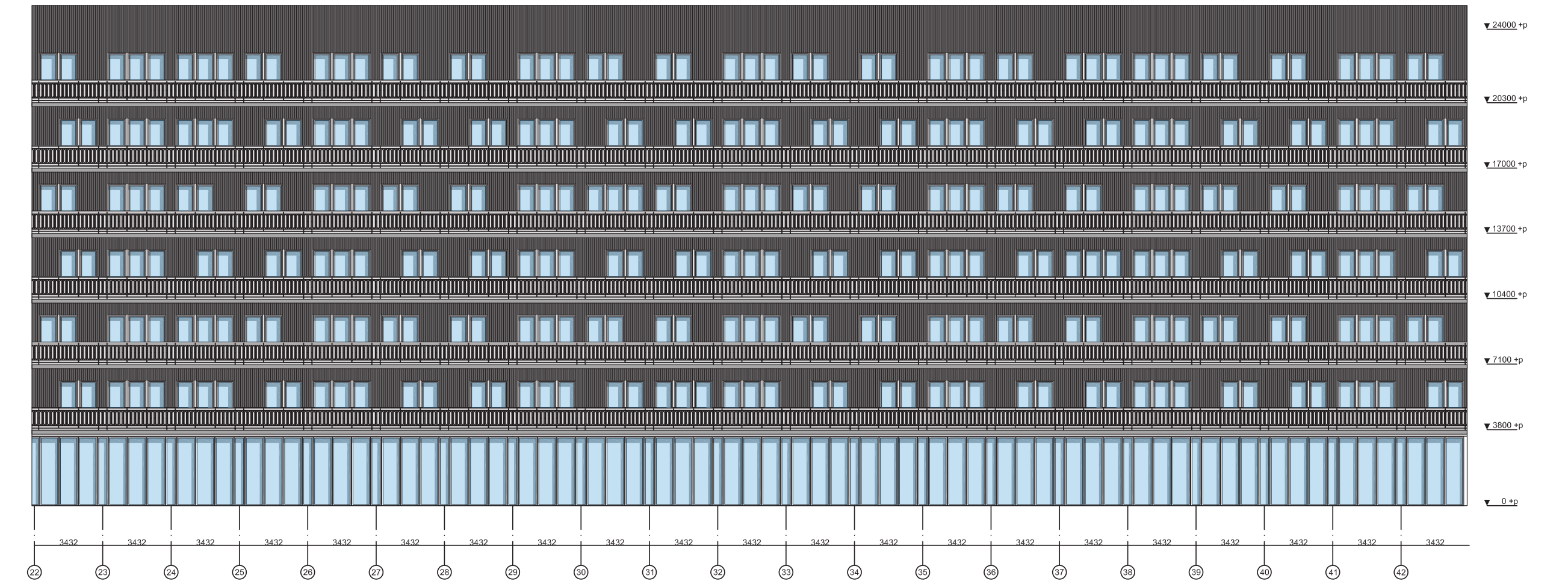
Parking garage: plan 1:200



Façade

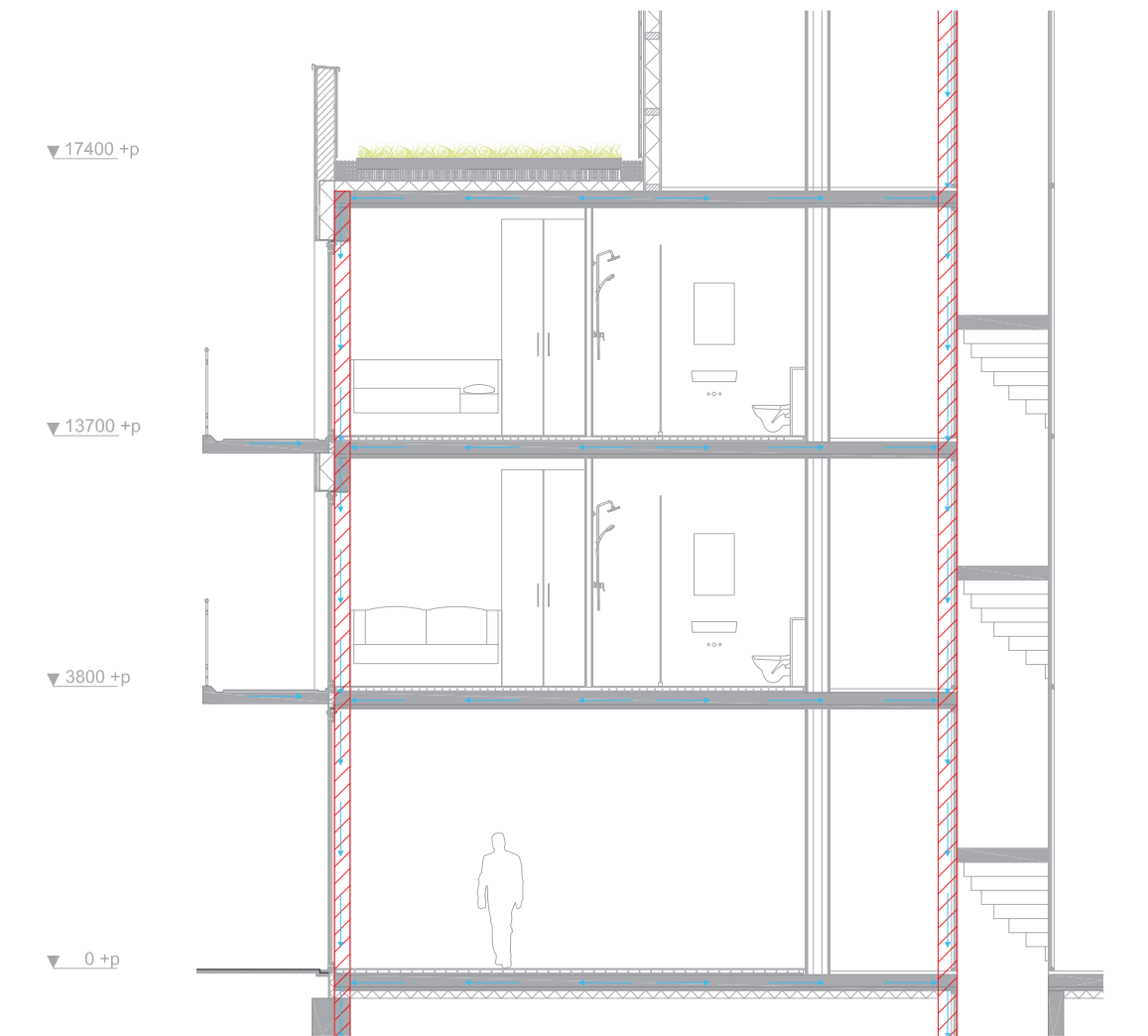
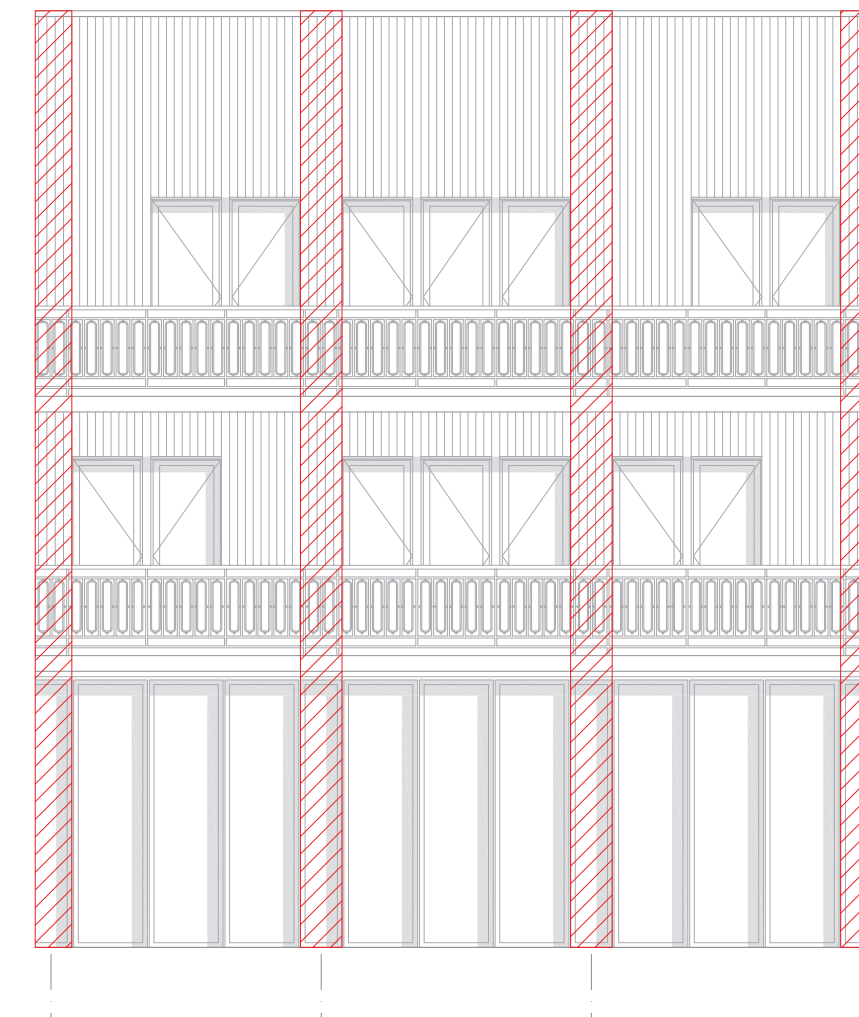
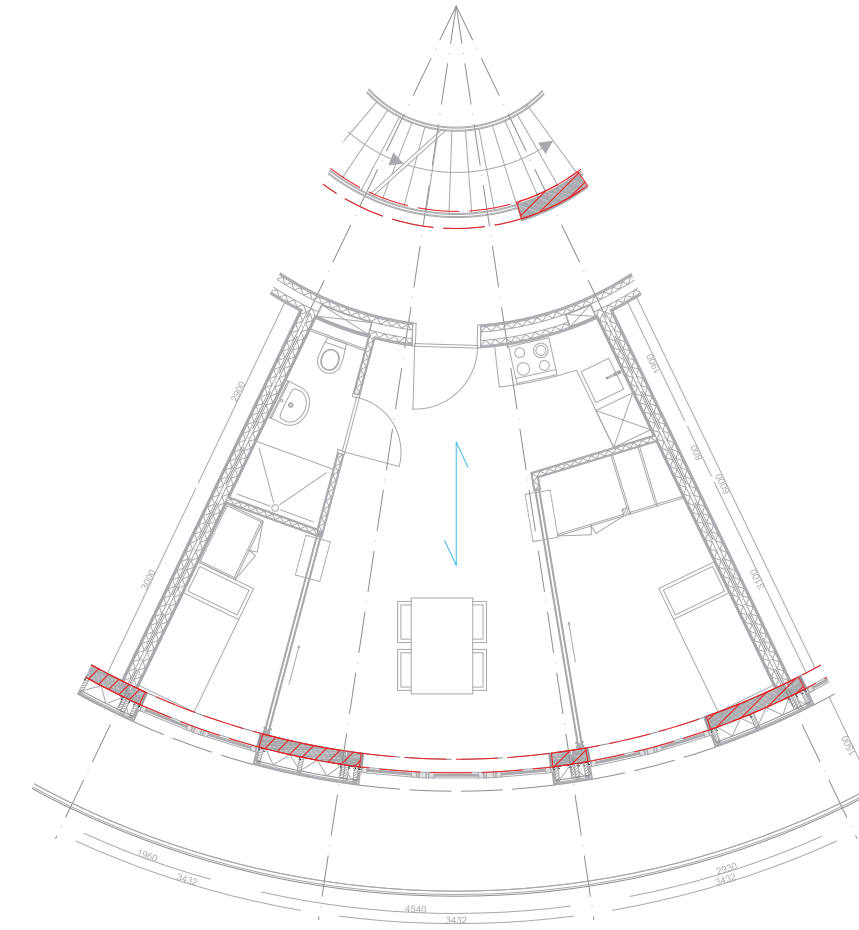
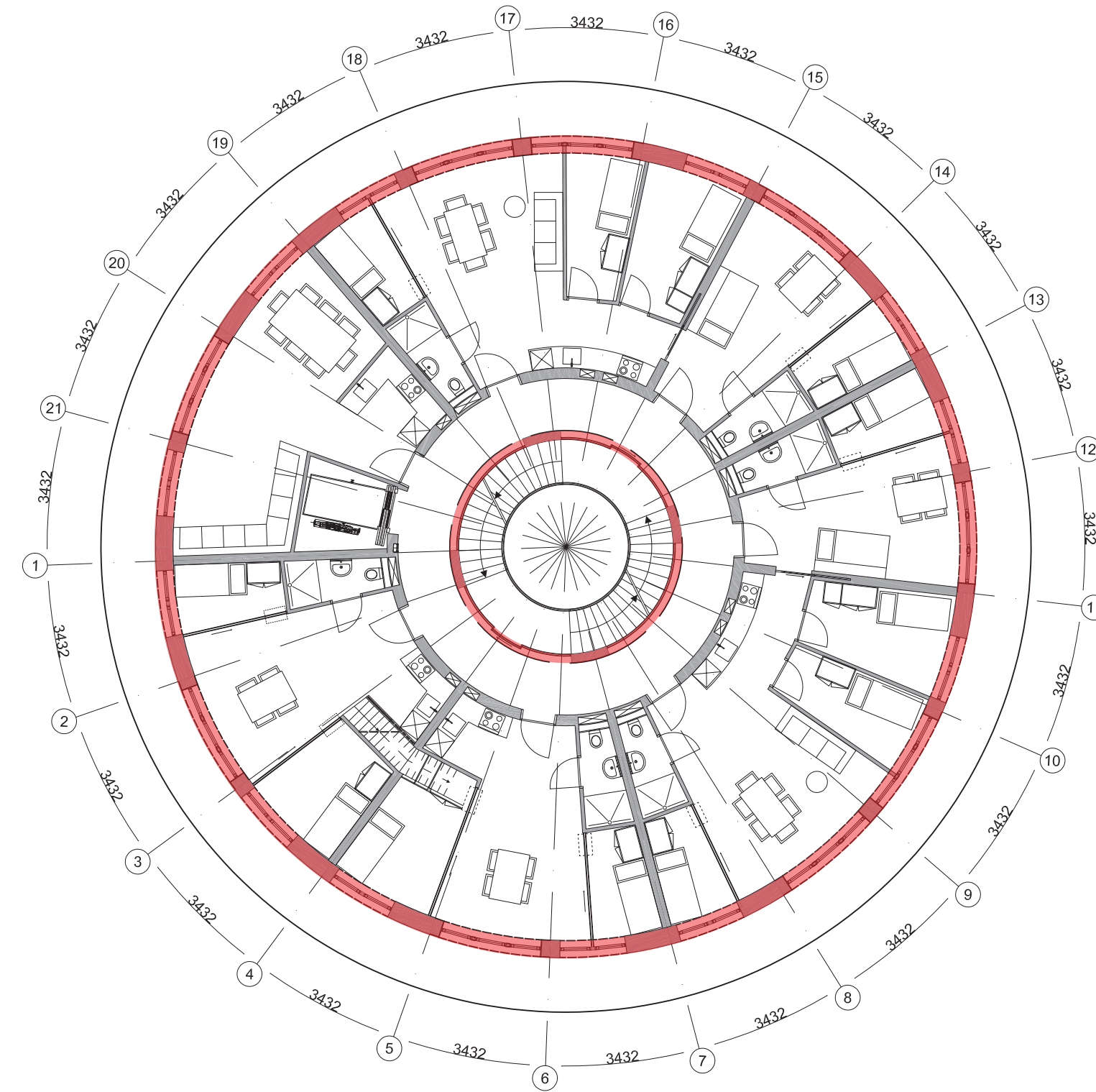
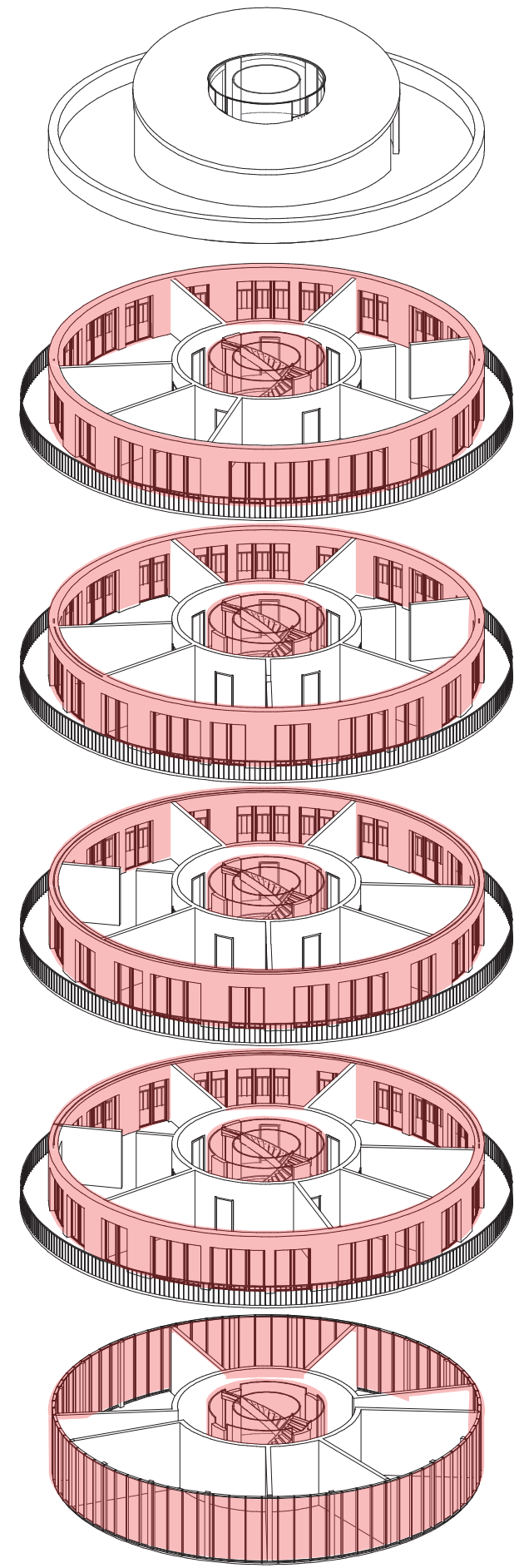


left façade 1:200

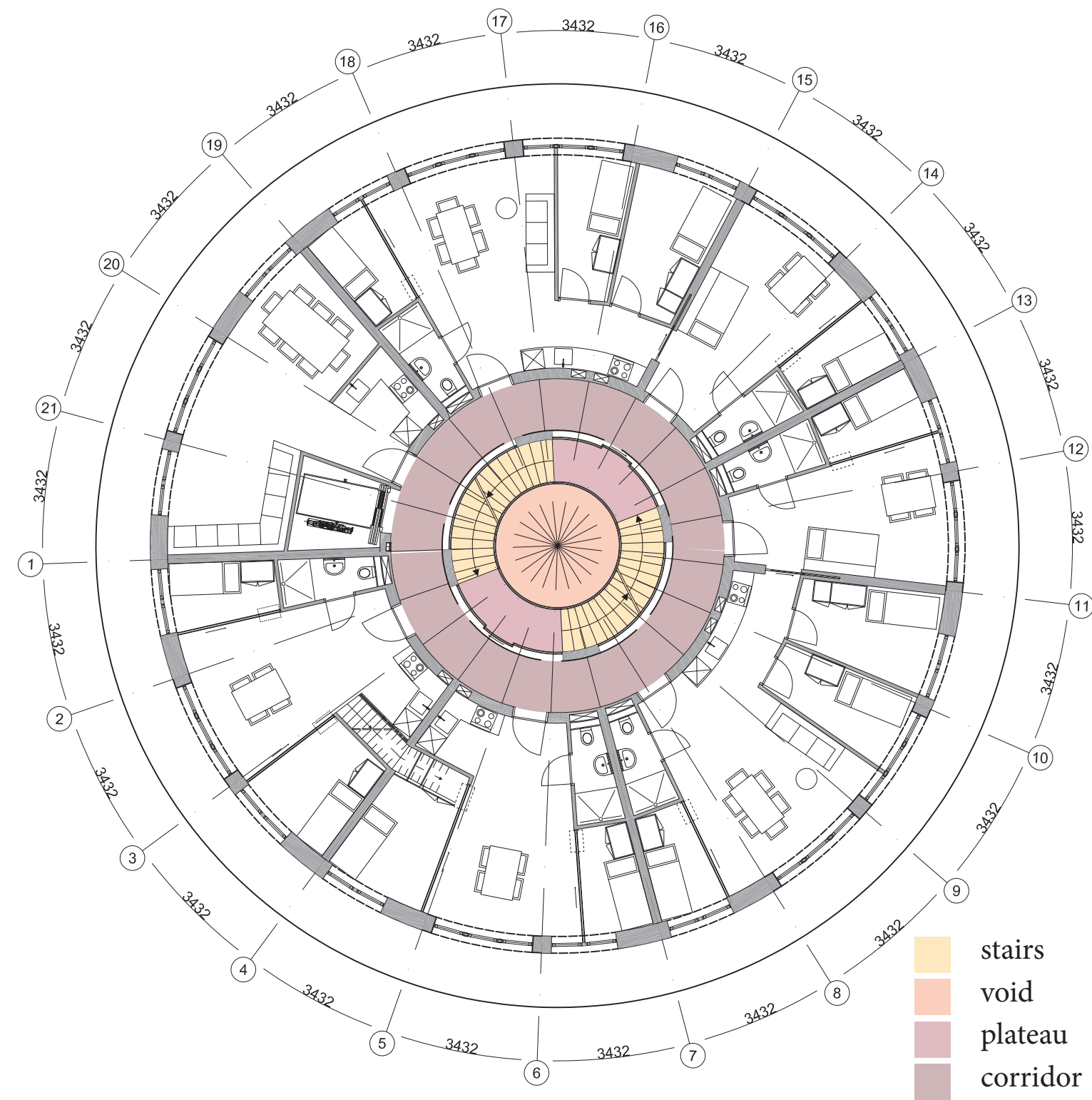
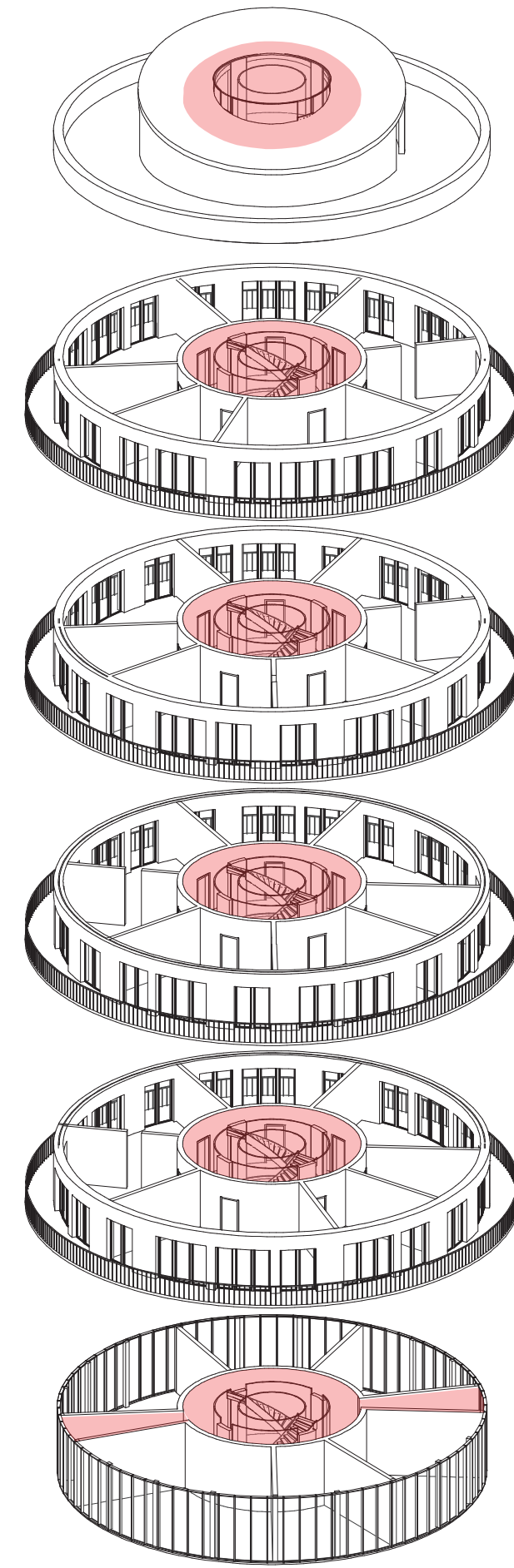


right façade 1:200

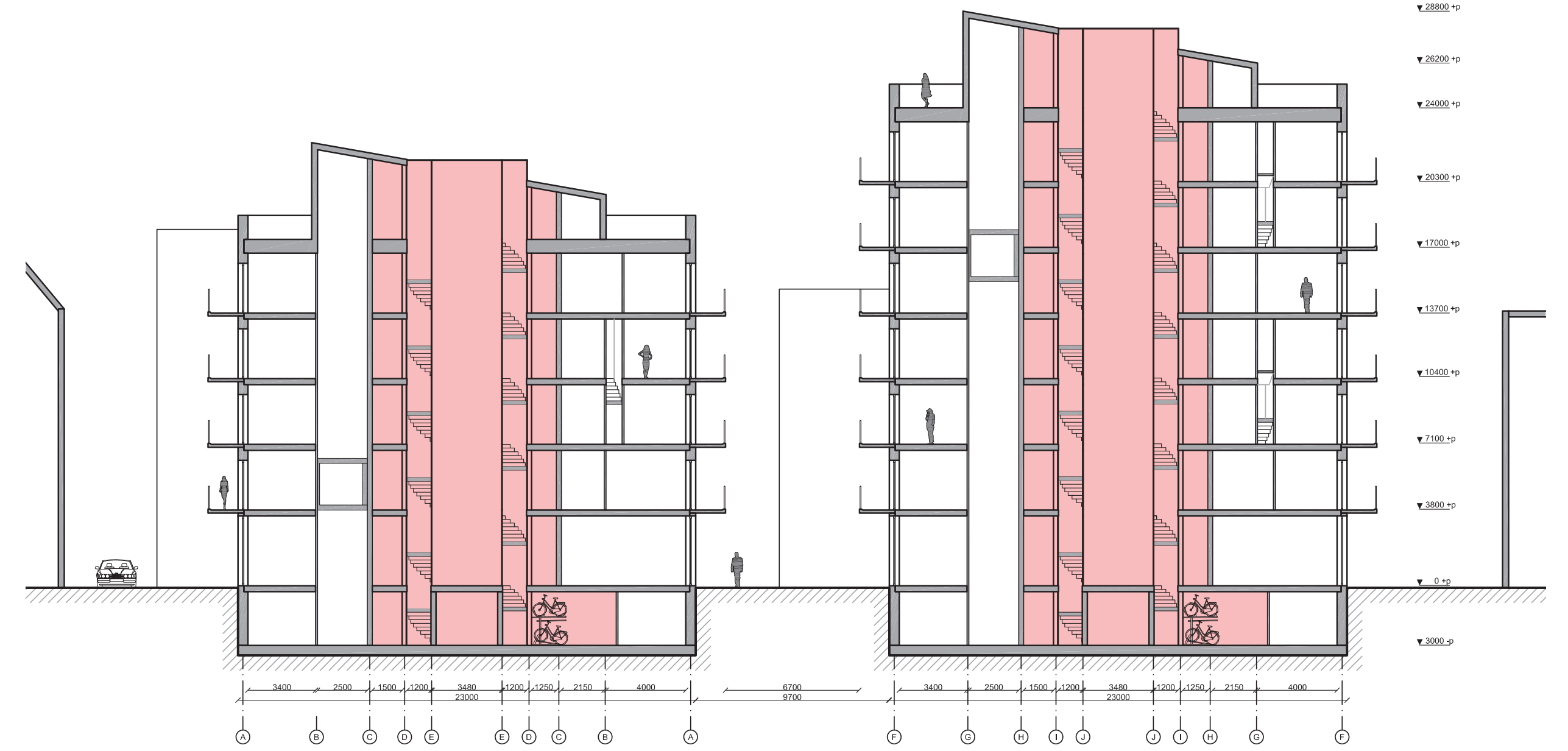
Load bearing structure



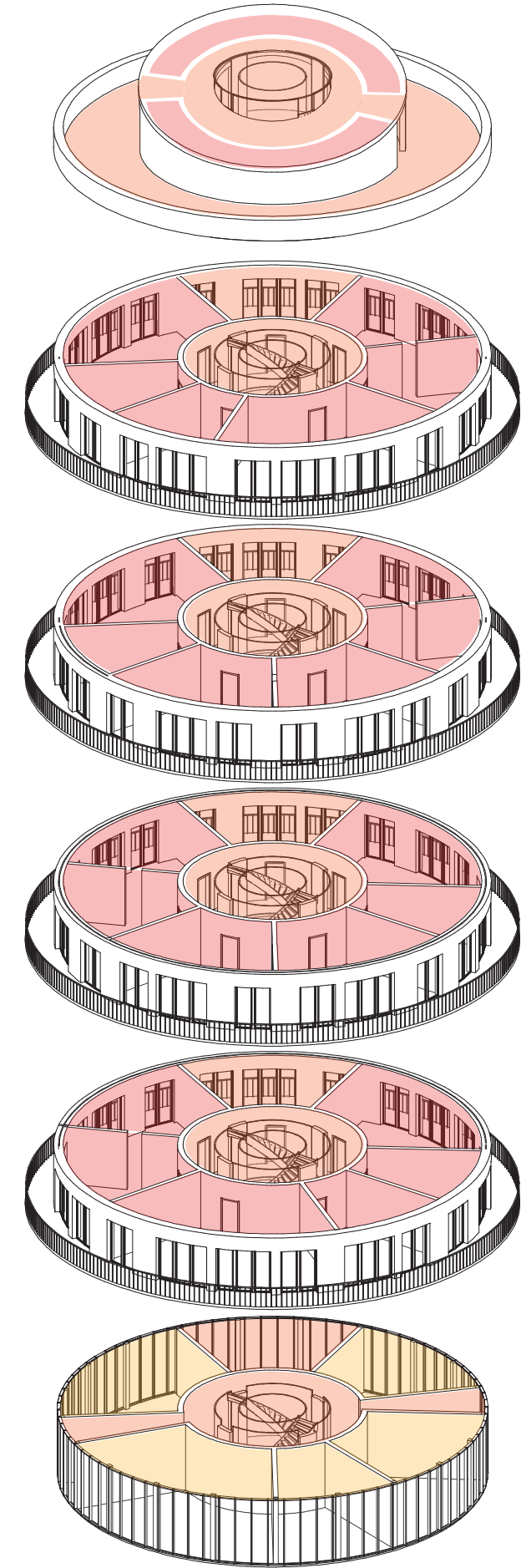
Circulation



- stairs
- void
- plateau
- corridor

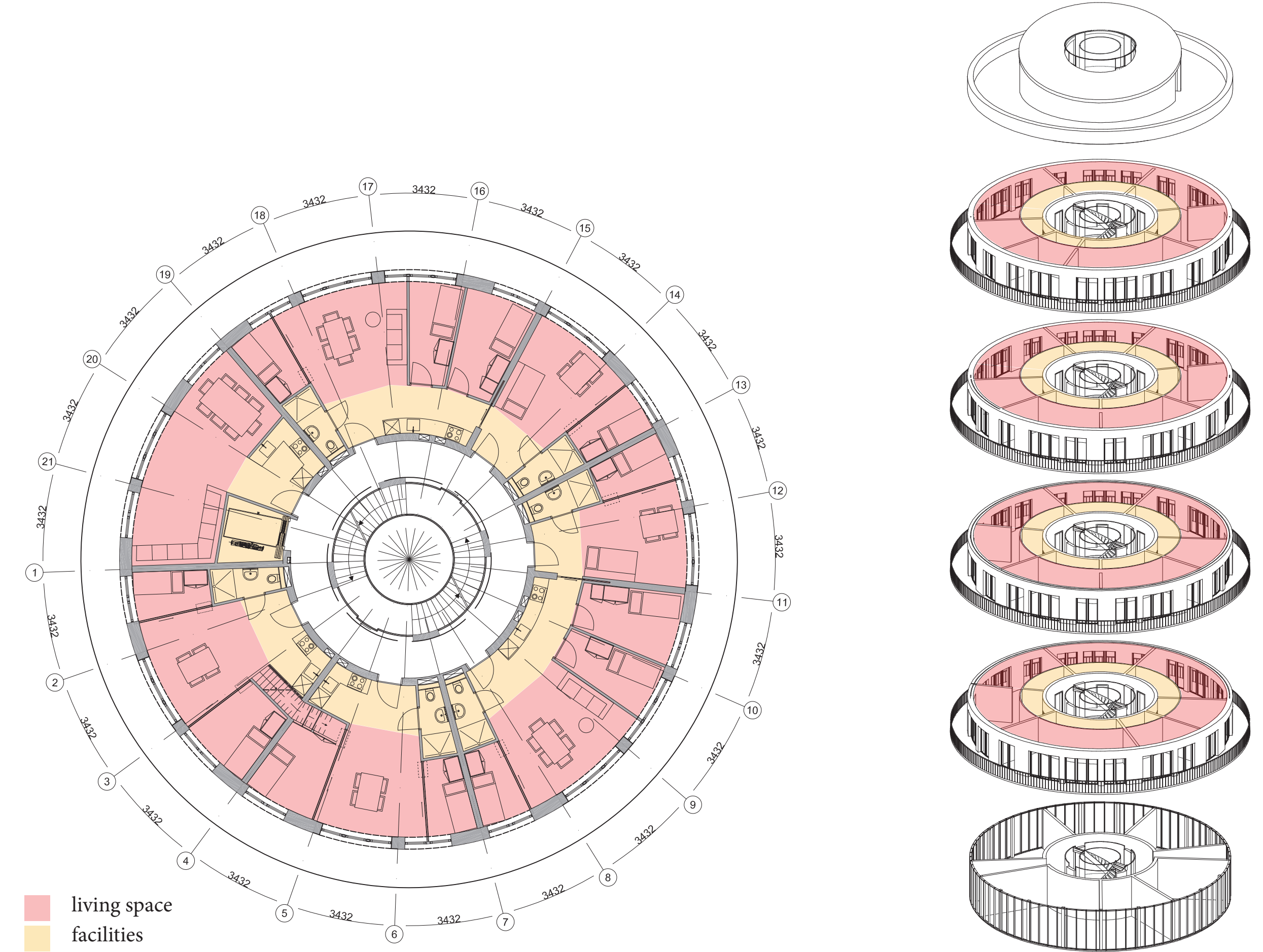


Public, collective and private



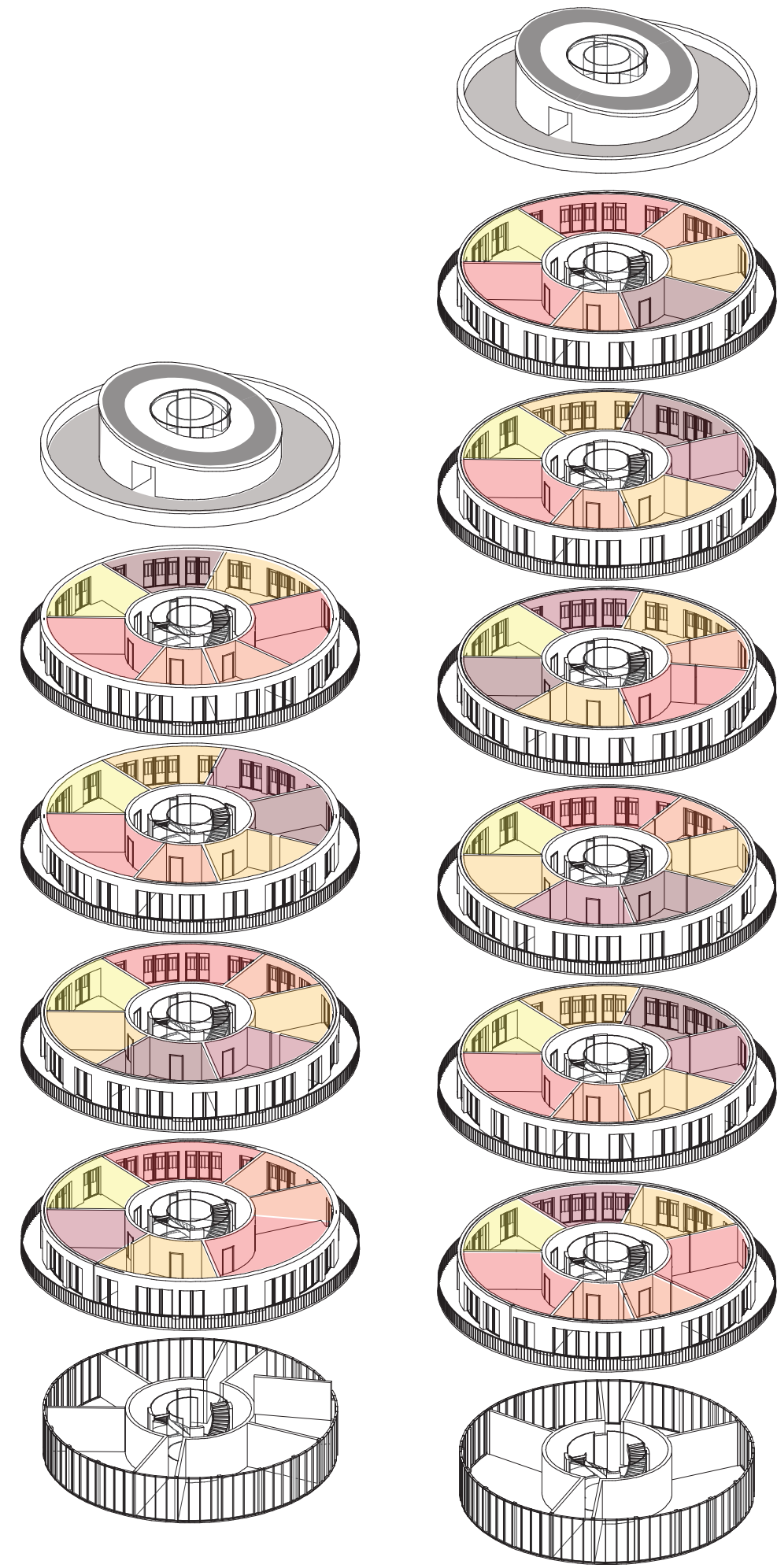
- private
- collective
- public

Facilities



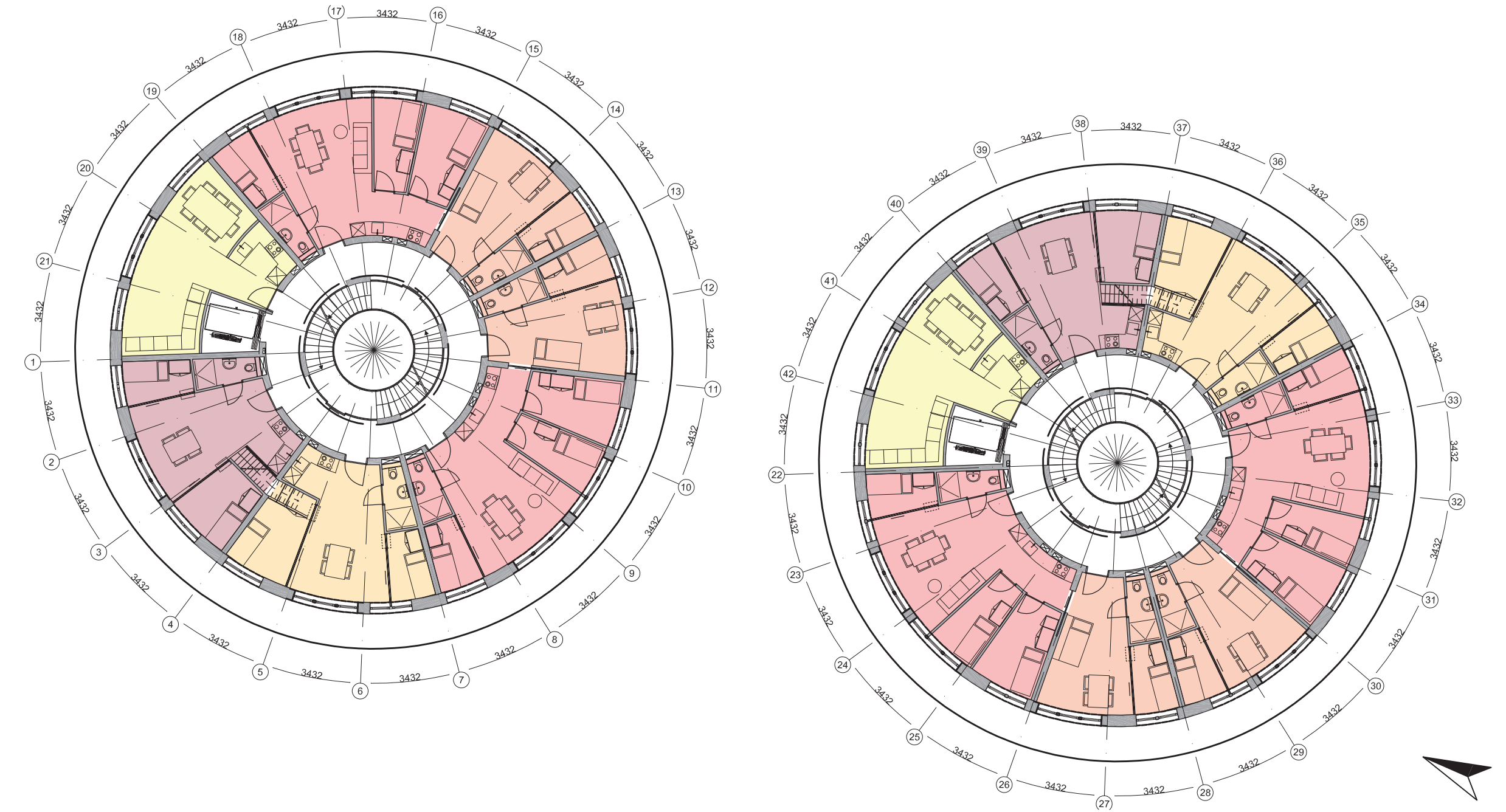
- living space
- facilities

Preface



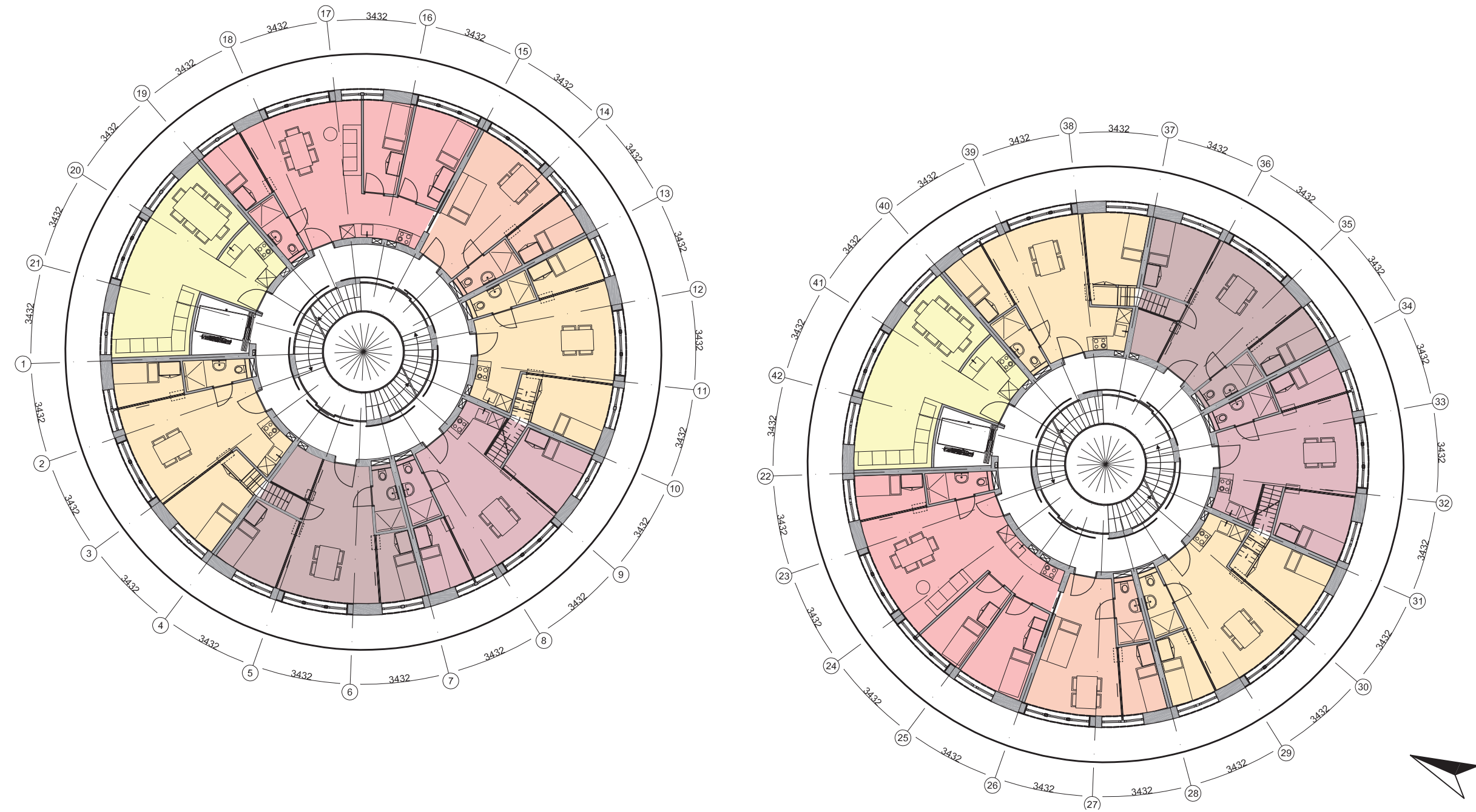
Position in the building:

1st floor 1:200

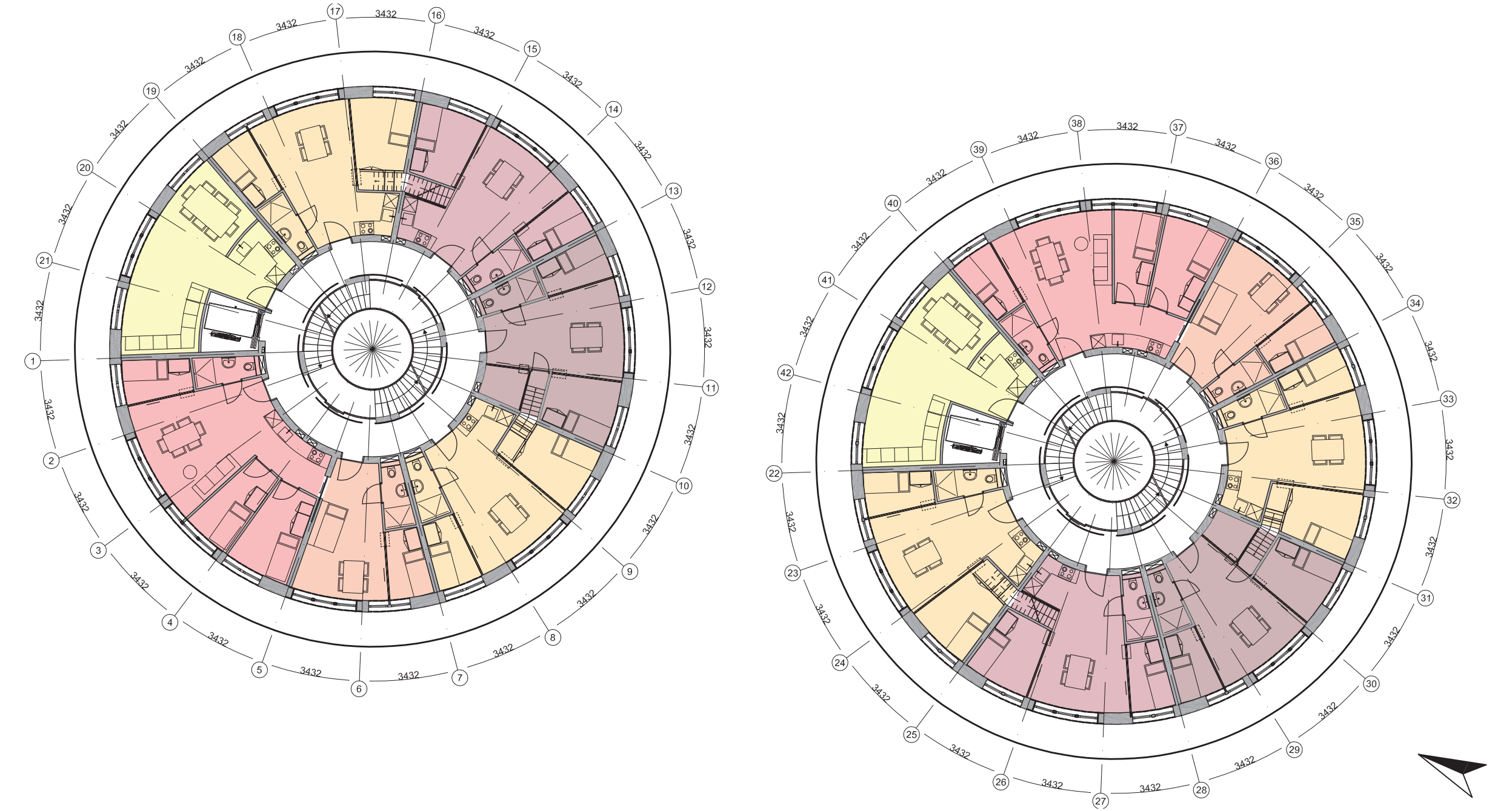


- collective kitchen
- apartment A
- apartment B
- apartment C
- apartment D base
- apartment D top
- roof garden
- service rooms

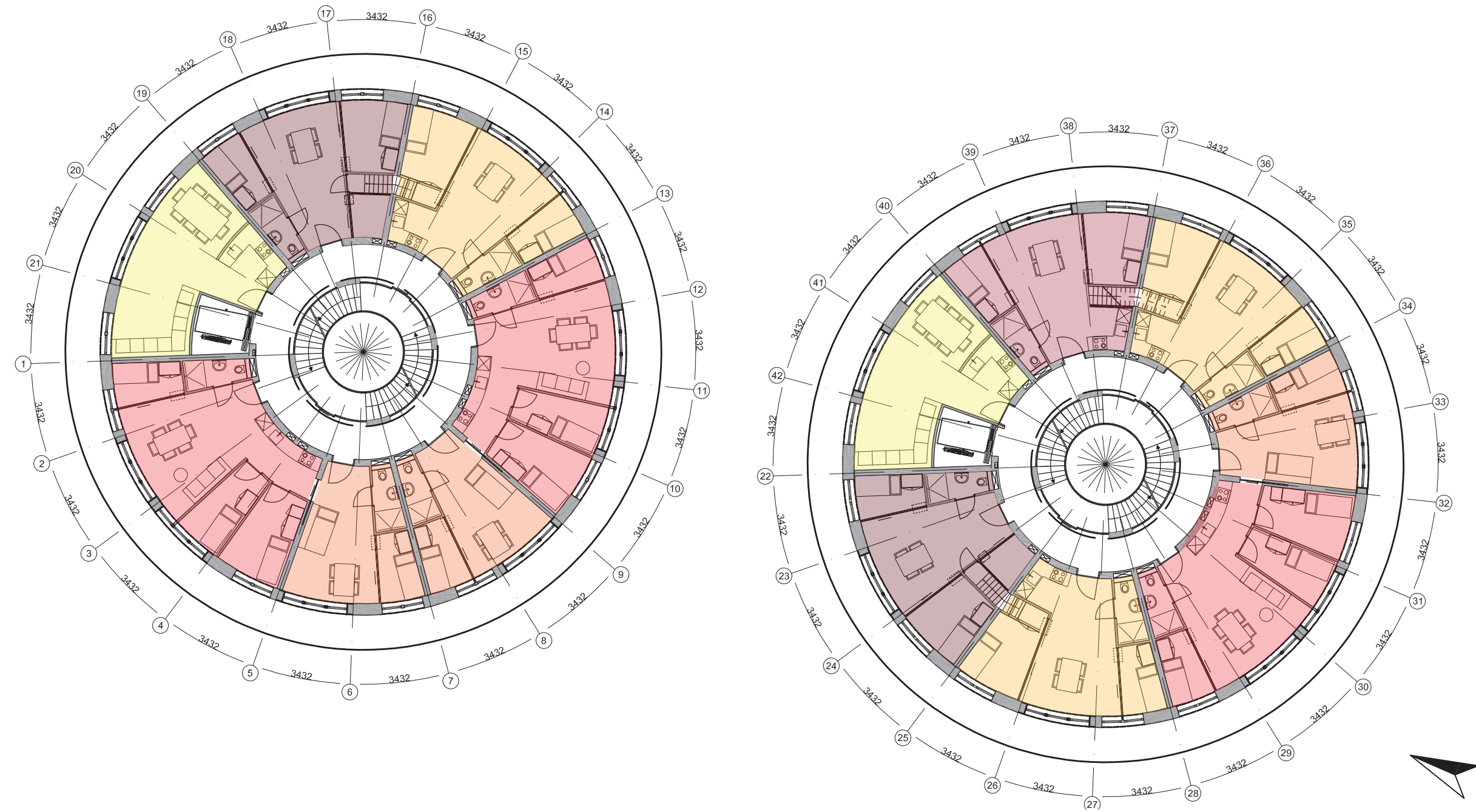
Position in the building:
2nd floor 1:200



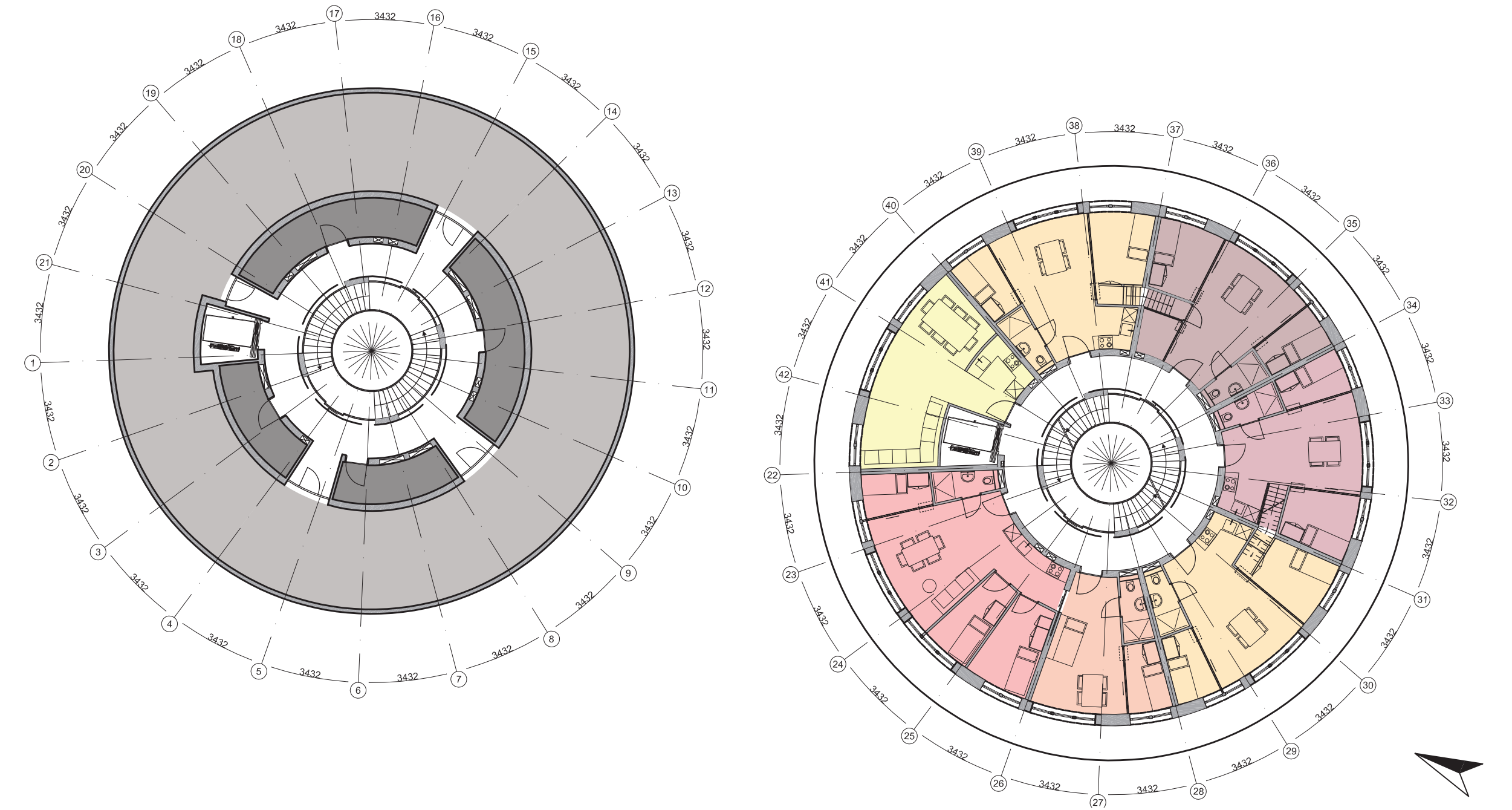
Position in the building:
3th floor 1:200



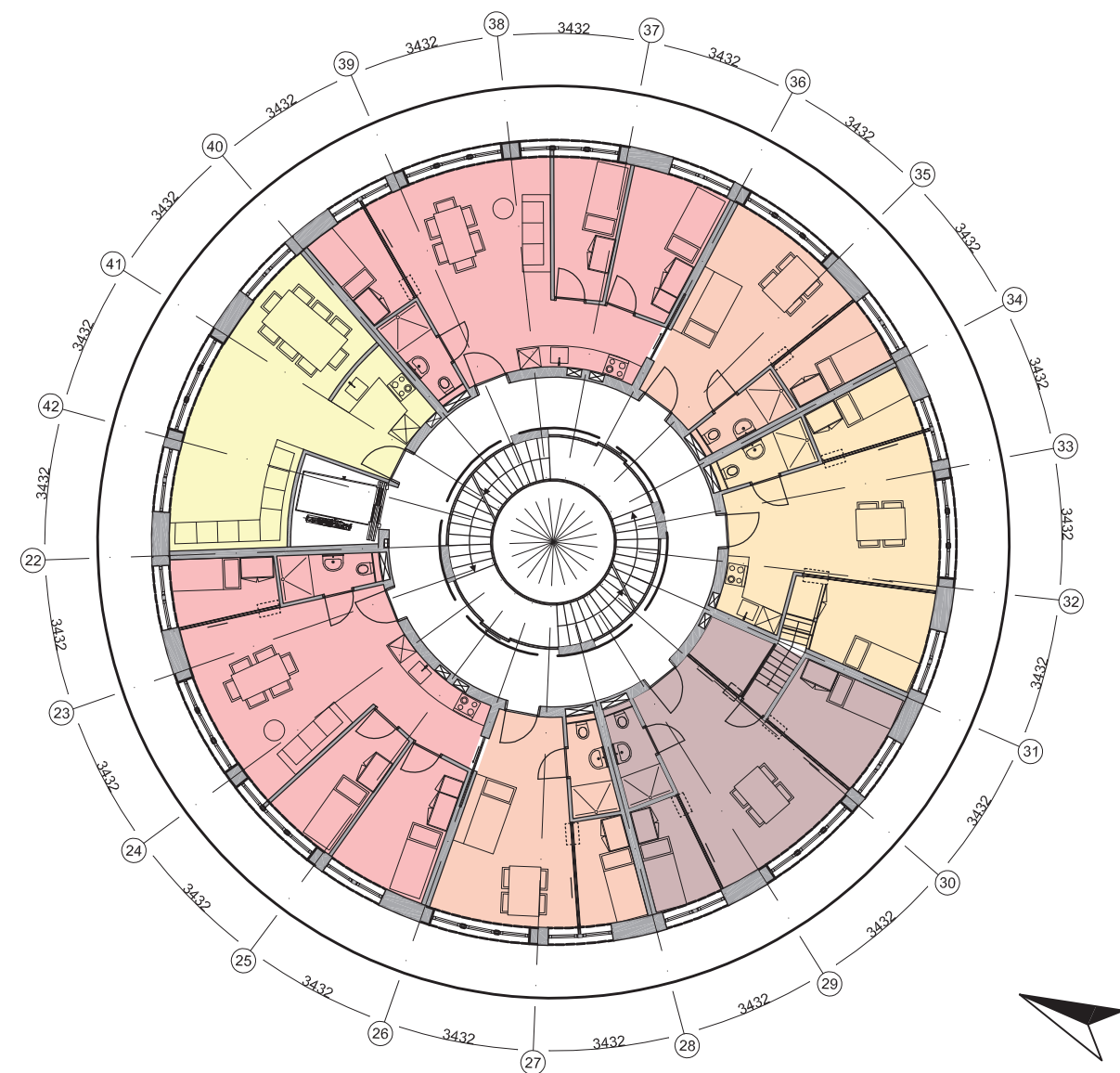
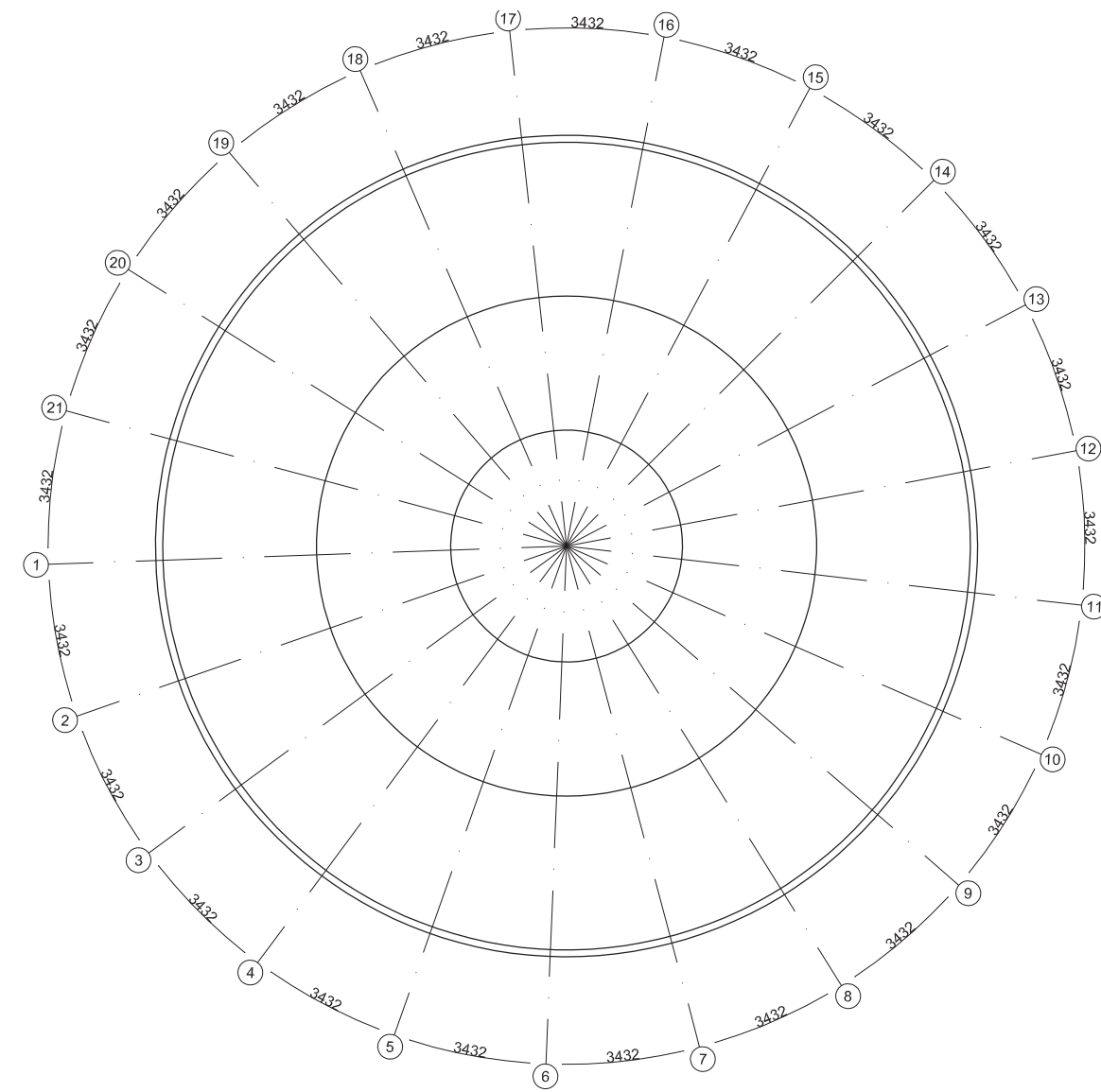
Position in the building:
4th floor 1:200



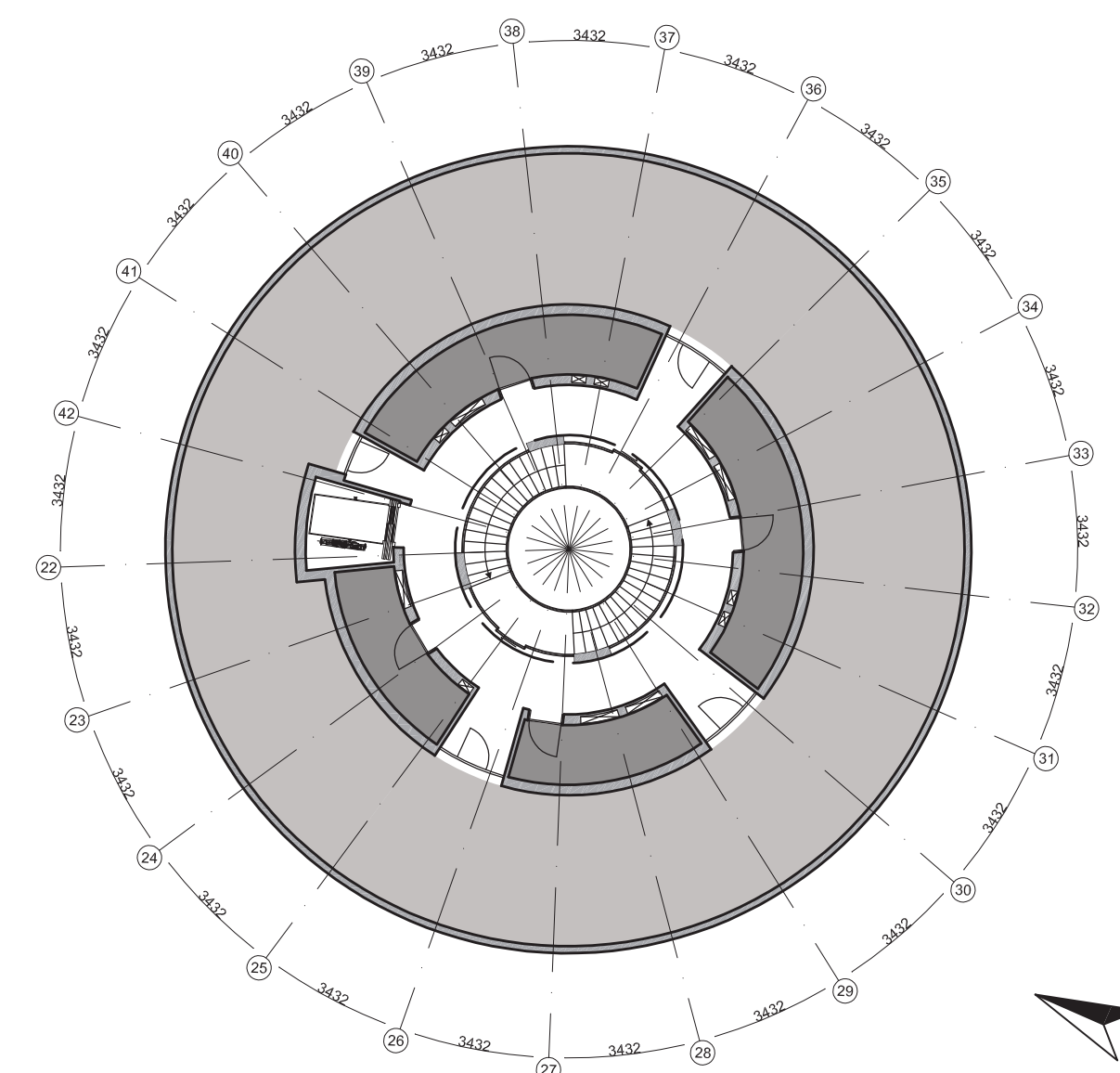
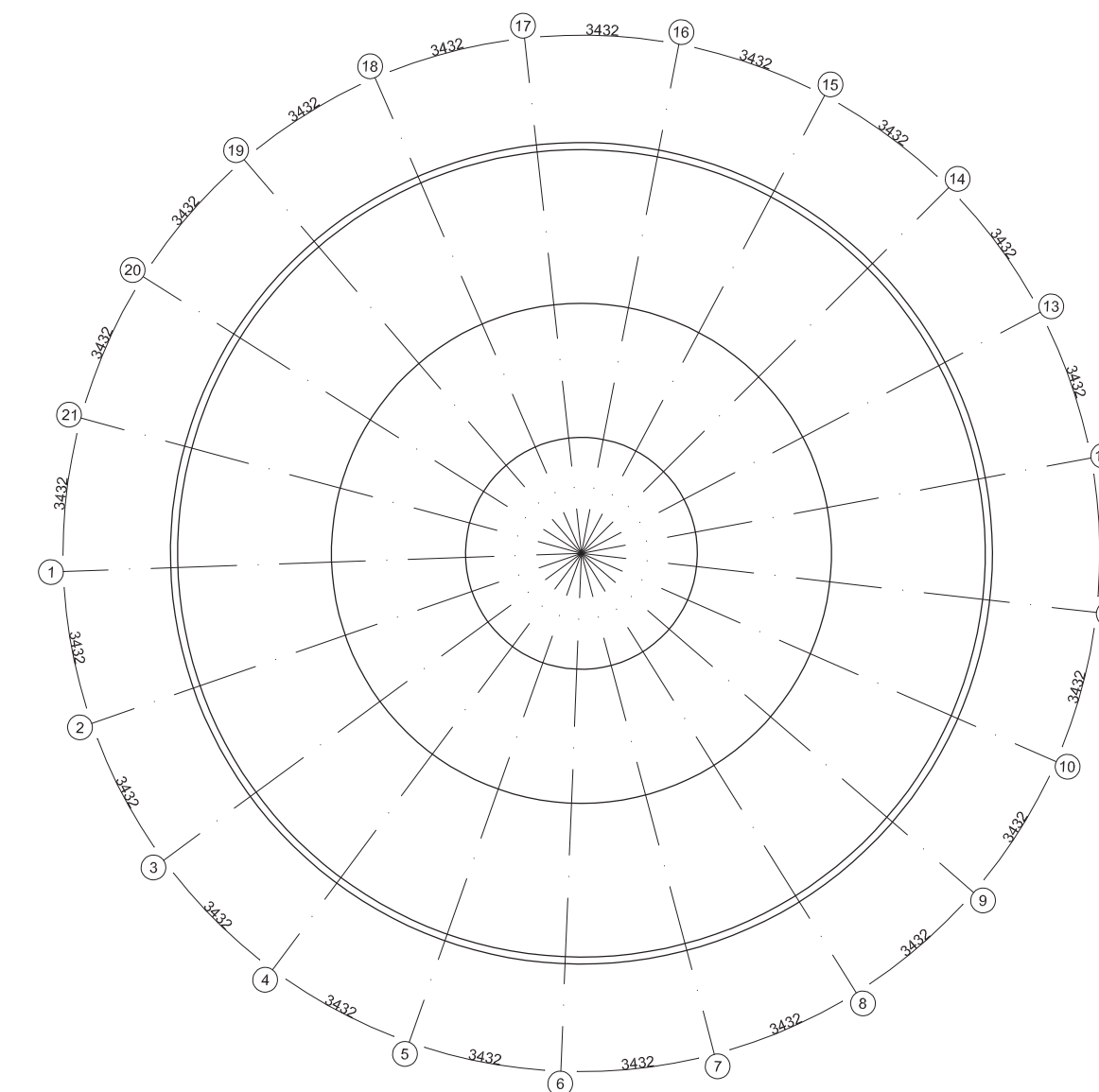
Position in the building:
5th floor 1:200



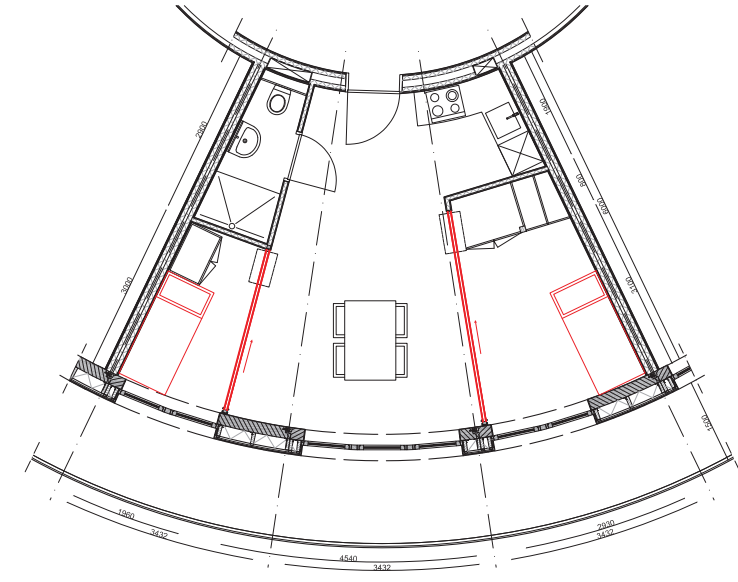
Position in the building:
6th floor 1:200



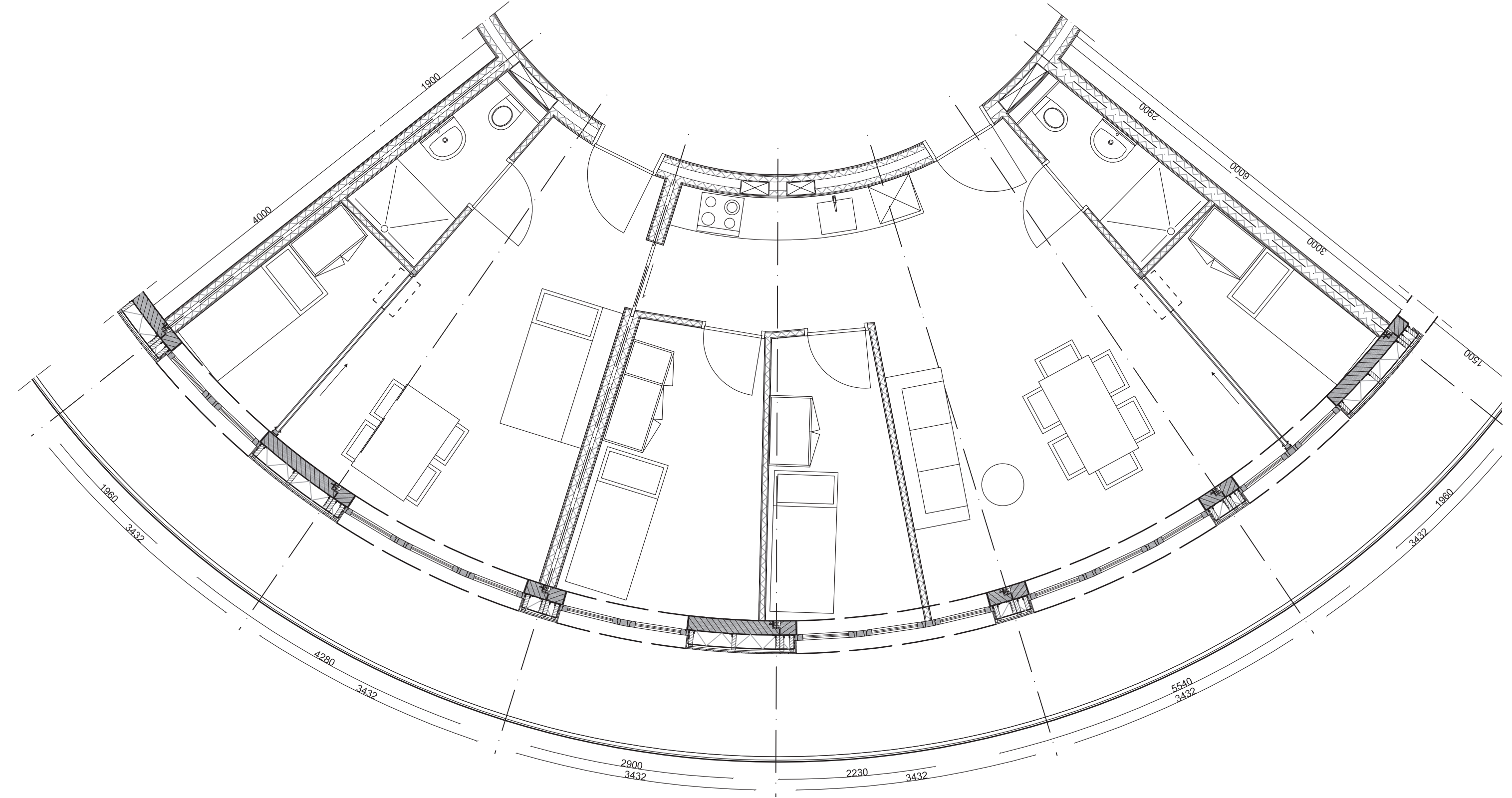
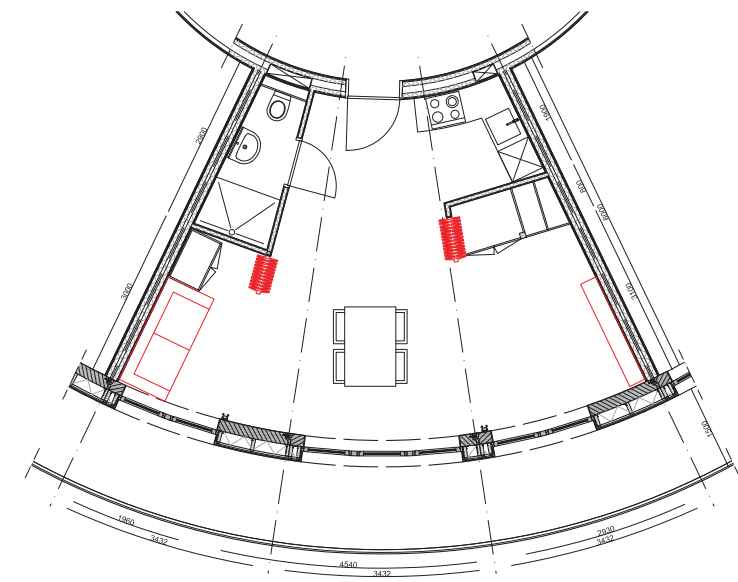
Position in the building:
roof 1:200



Flexibility



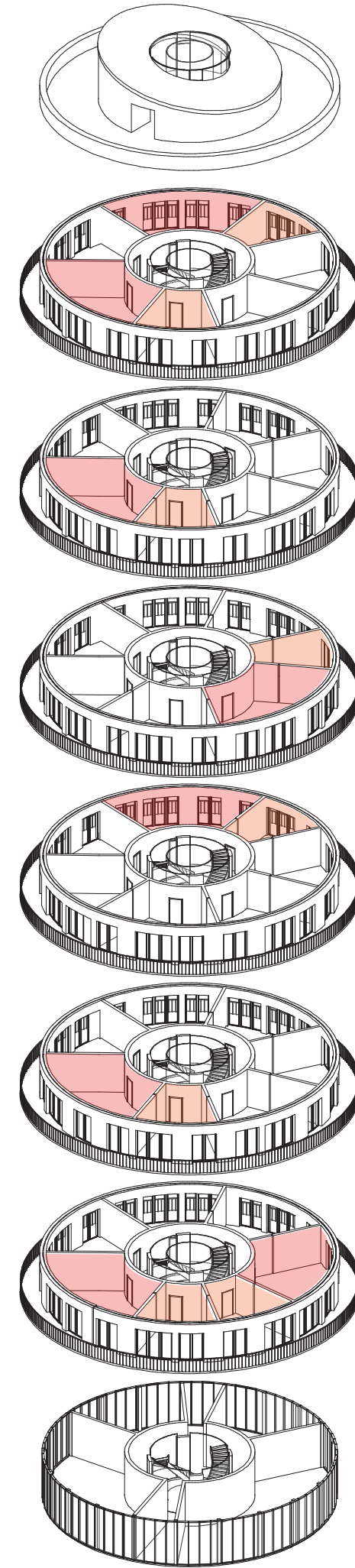
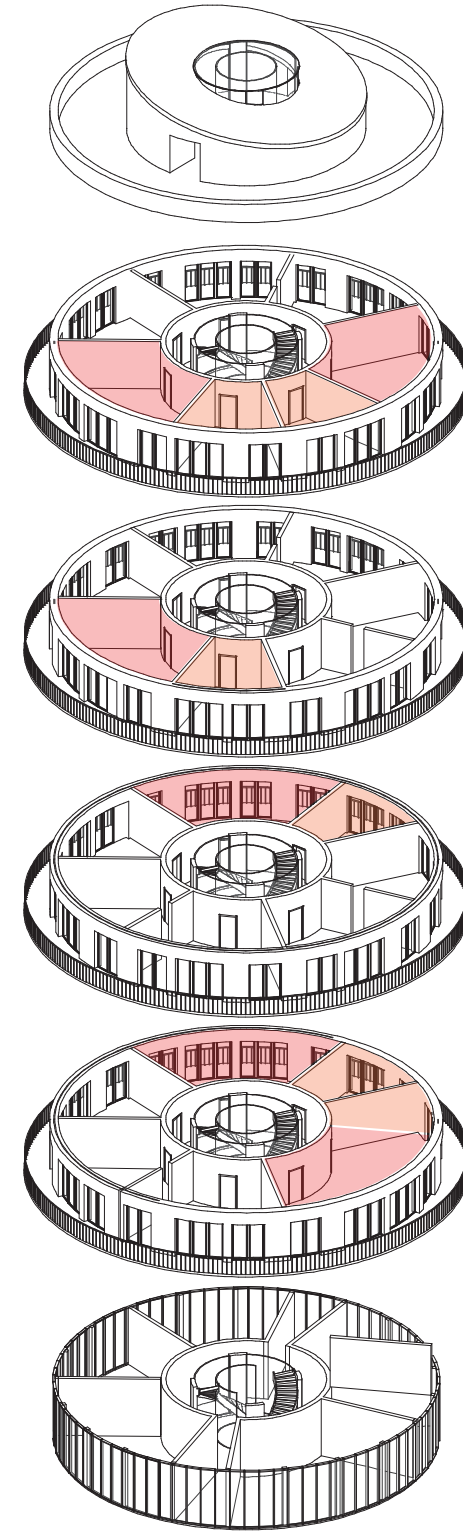
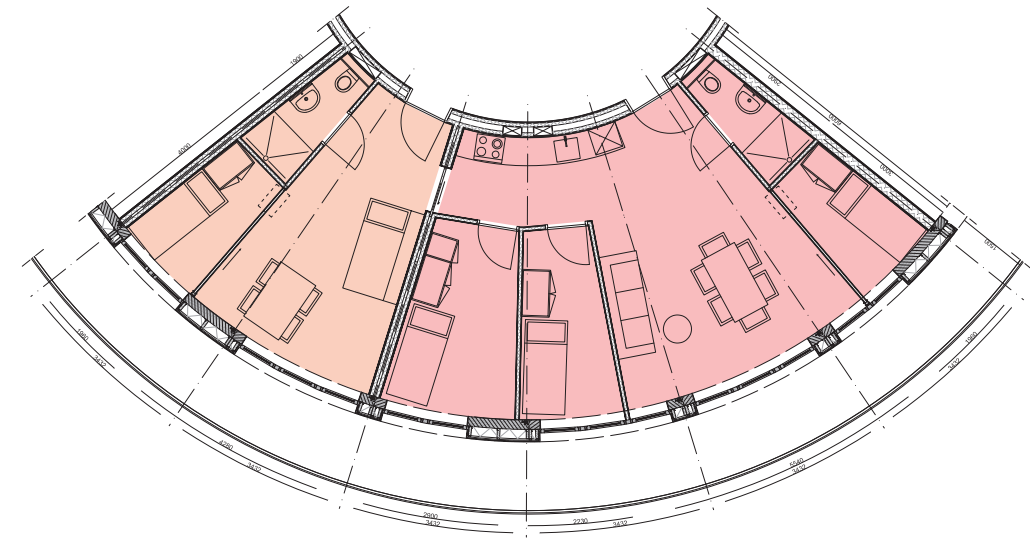
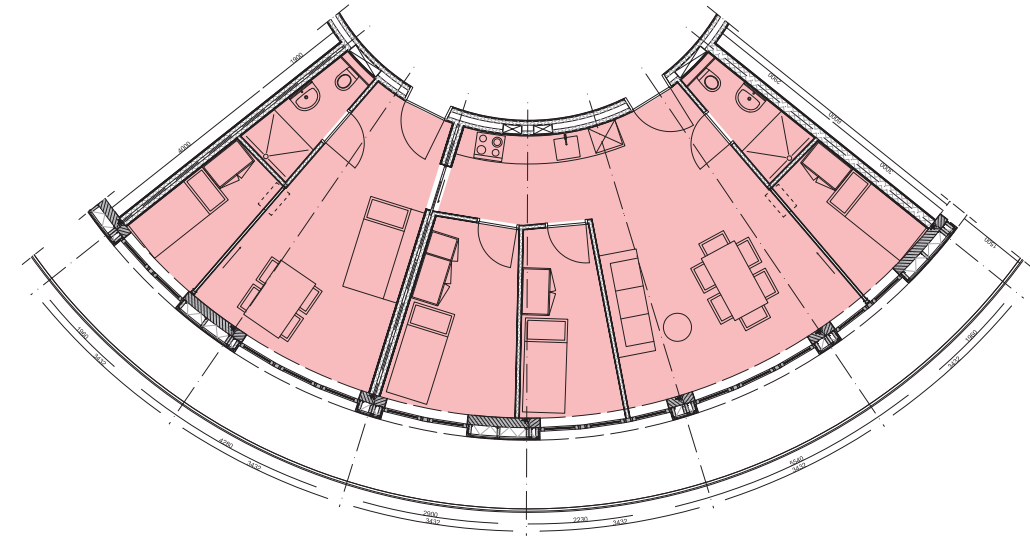
Apartment B and C



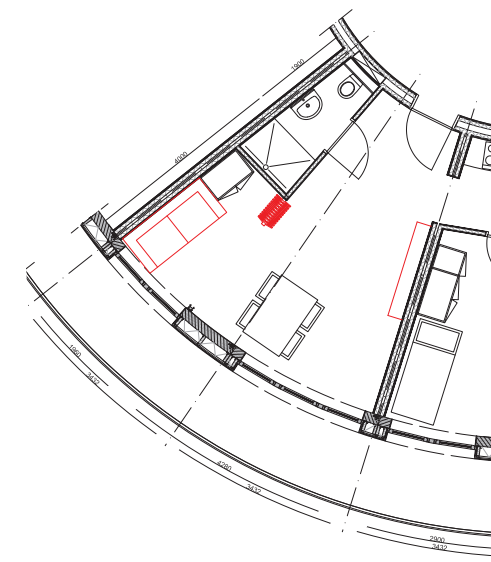
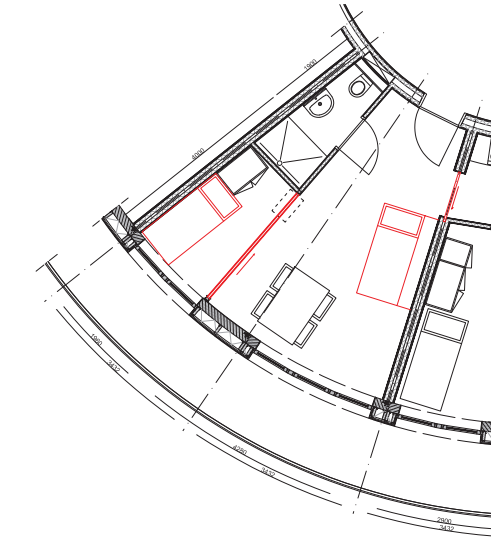
Apartment B
amount: 14
area: 27 m²
residents: 1 to 3

Apartment C
amount: 14
area: 56 m²
residents: 3 to 5

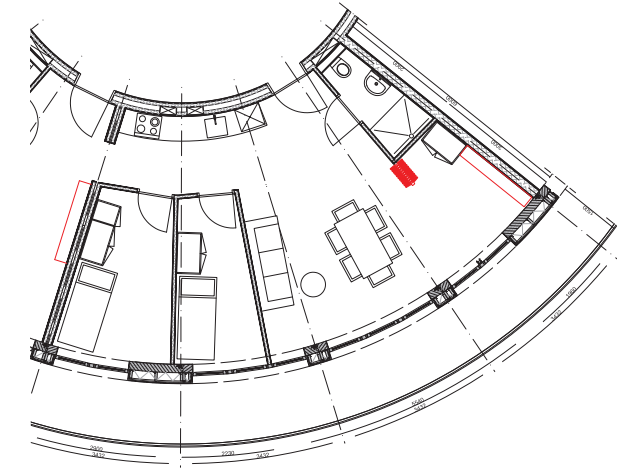
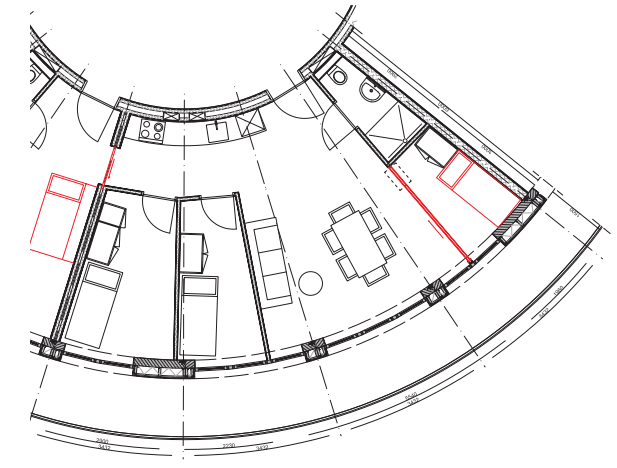
Together
amount: 14
area: 83 m²
residents: 4 to 8



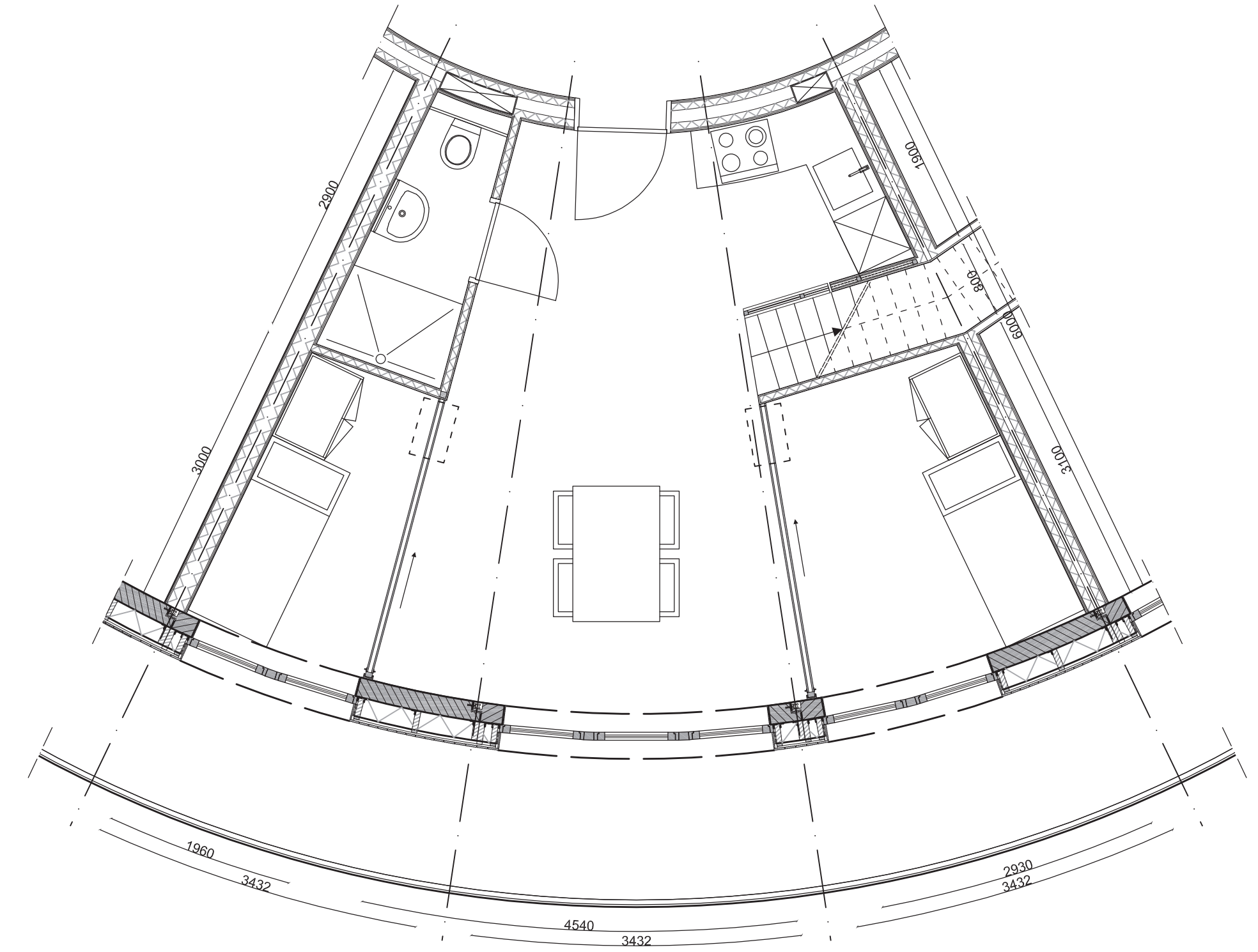
Flexibility apartment B



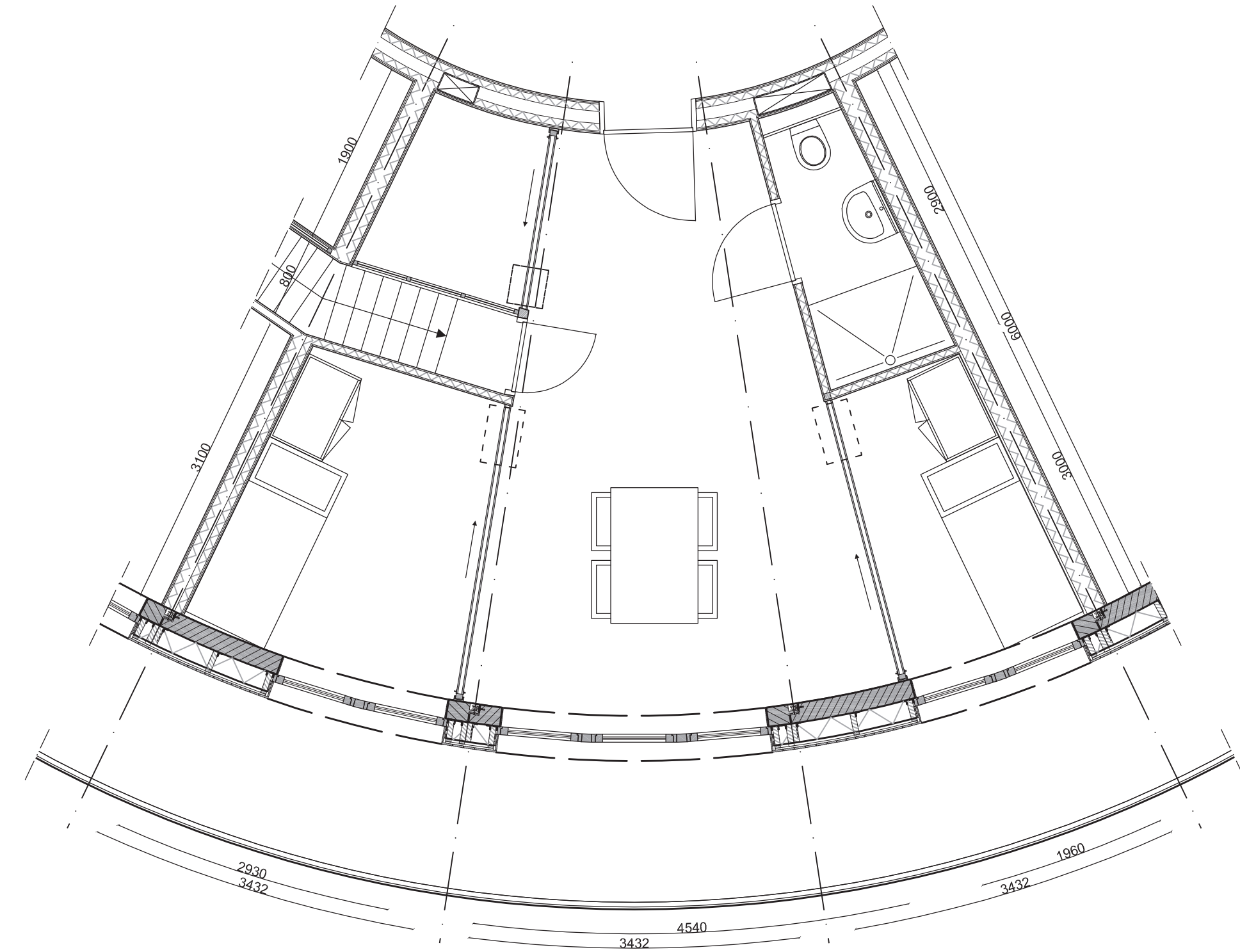
Flexibility apartment C



Appartement D base



Appartement D top

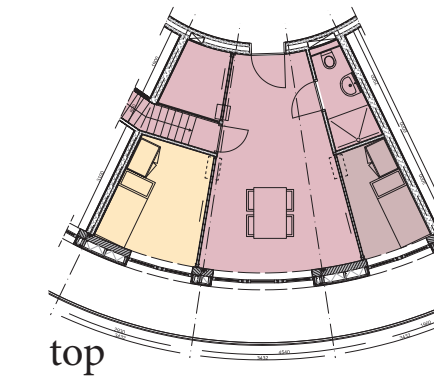


1:50

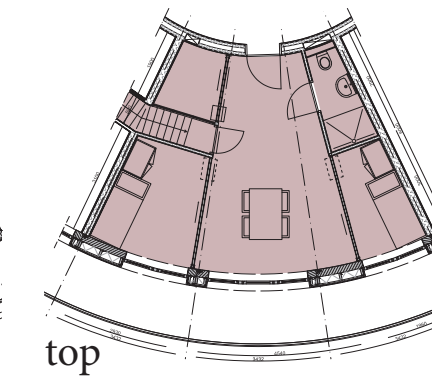
Apartment D base
amount: 8
area: 41 m²
residents: 2 tot 3

Apartment D top
amount: 8
area: 41 m²
residents: 2 tot 3

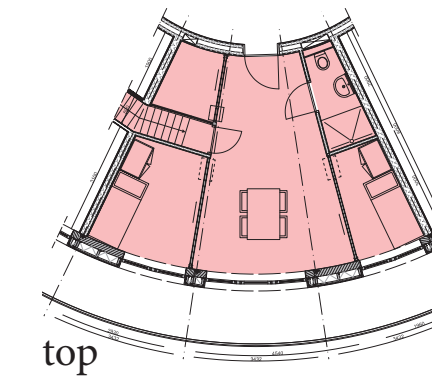
Together
amount: 8
area: 83 m²
residents: 4 tot 6



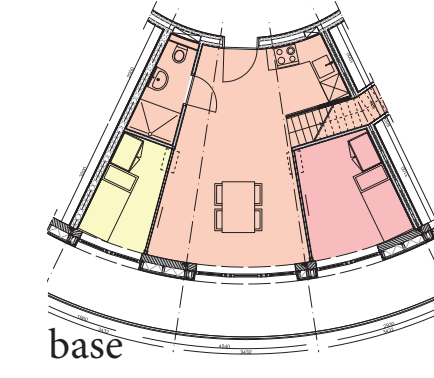
top



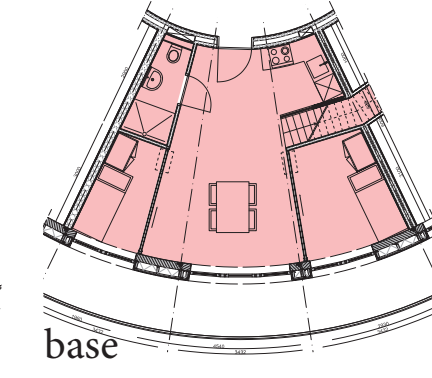
top



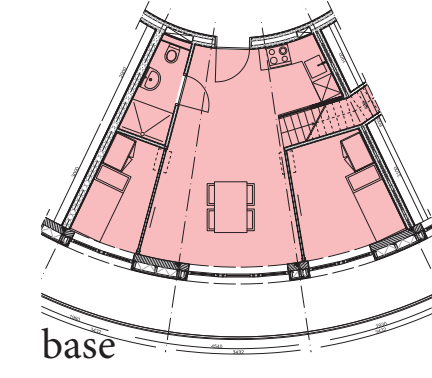
top



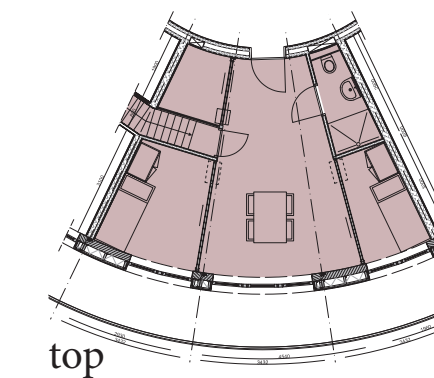
base



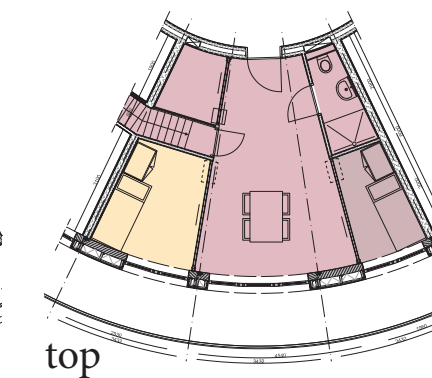
base



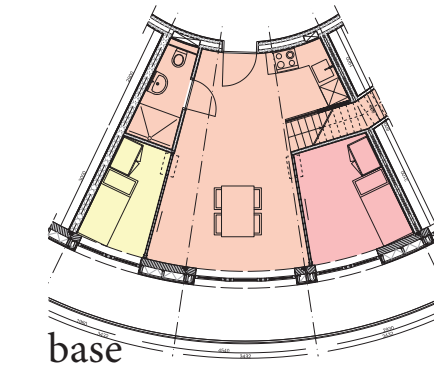
base



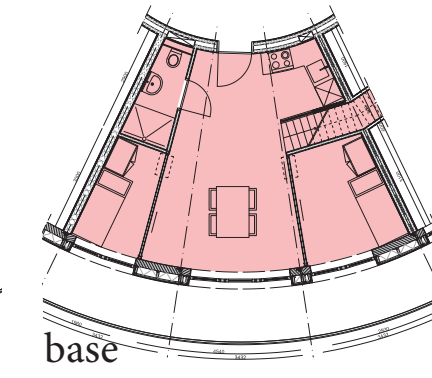
top



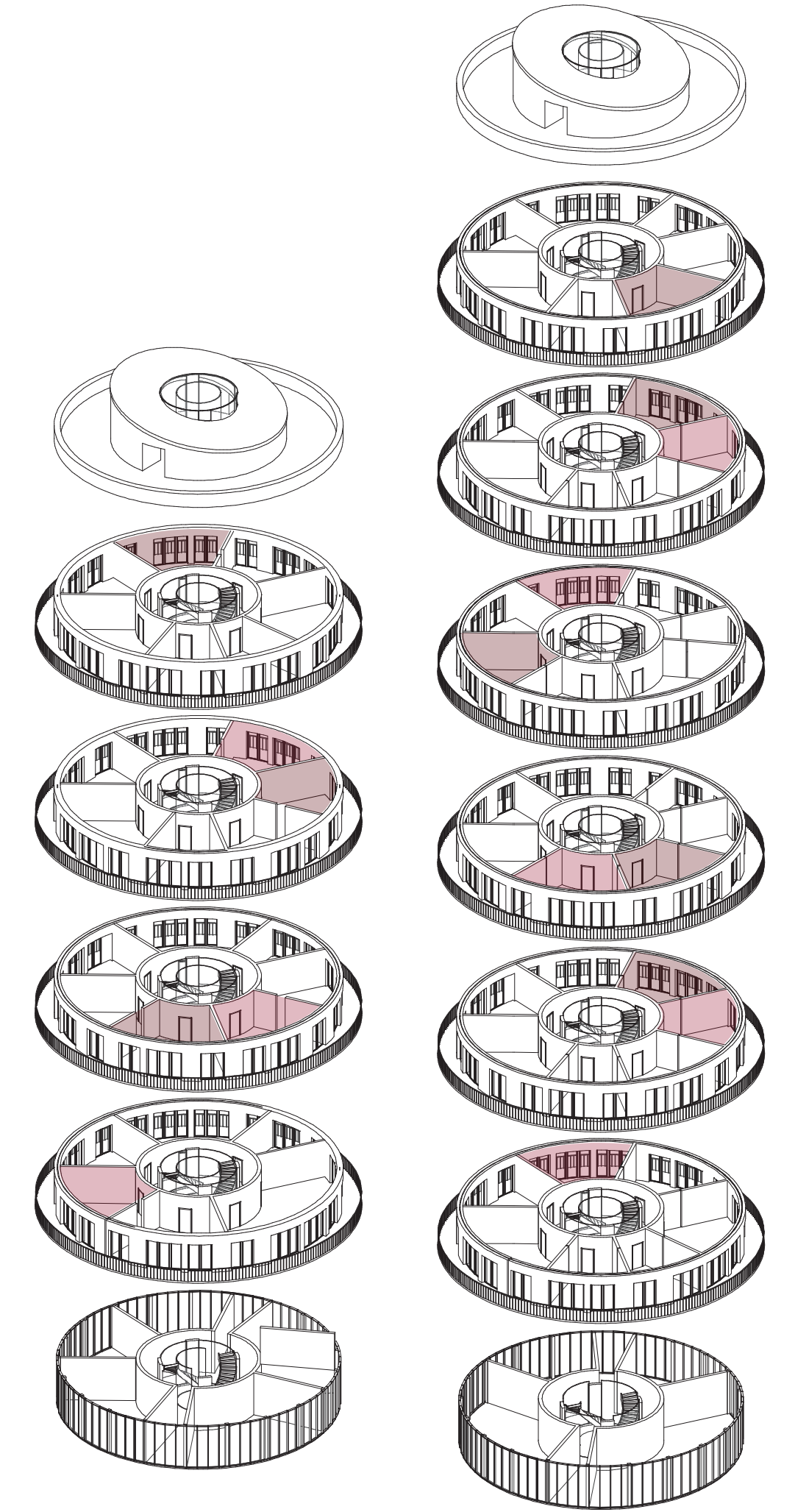
top



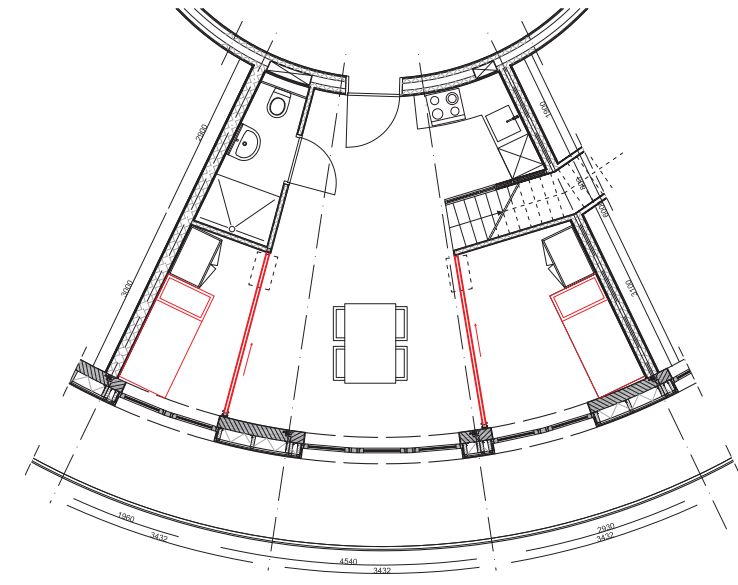
base



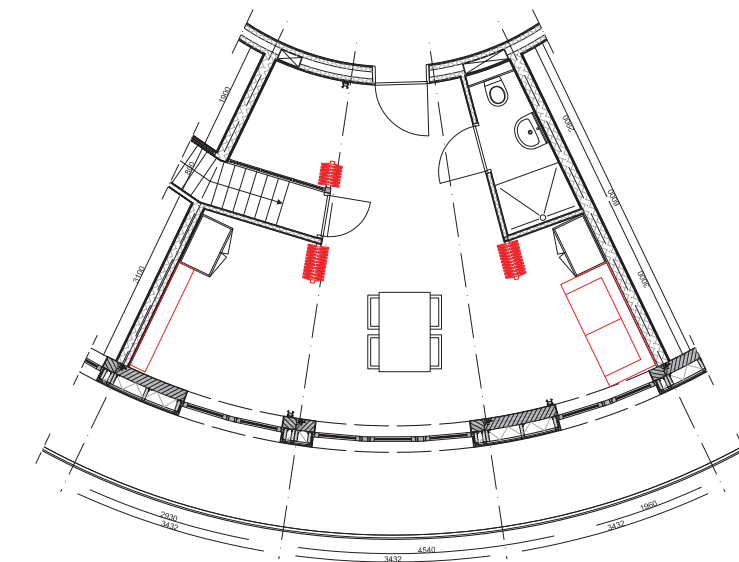
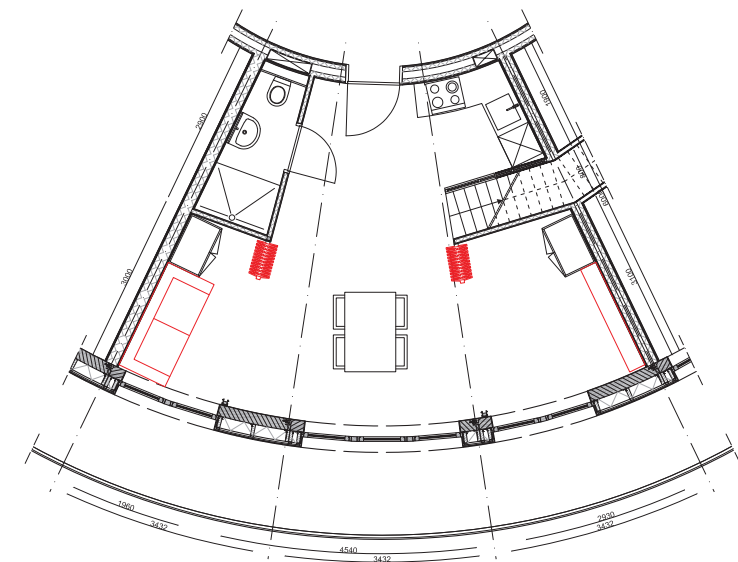
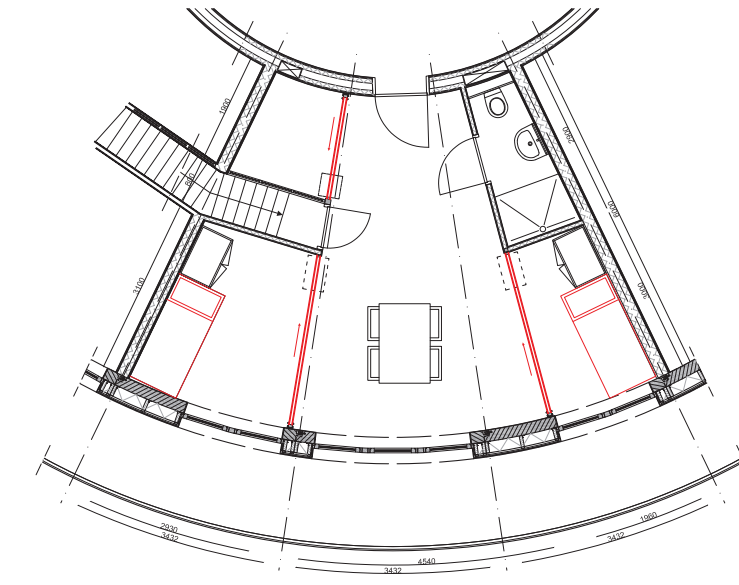
base



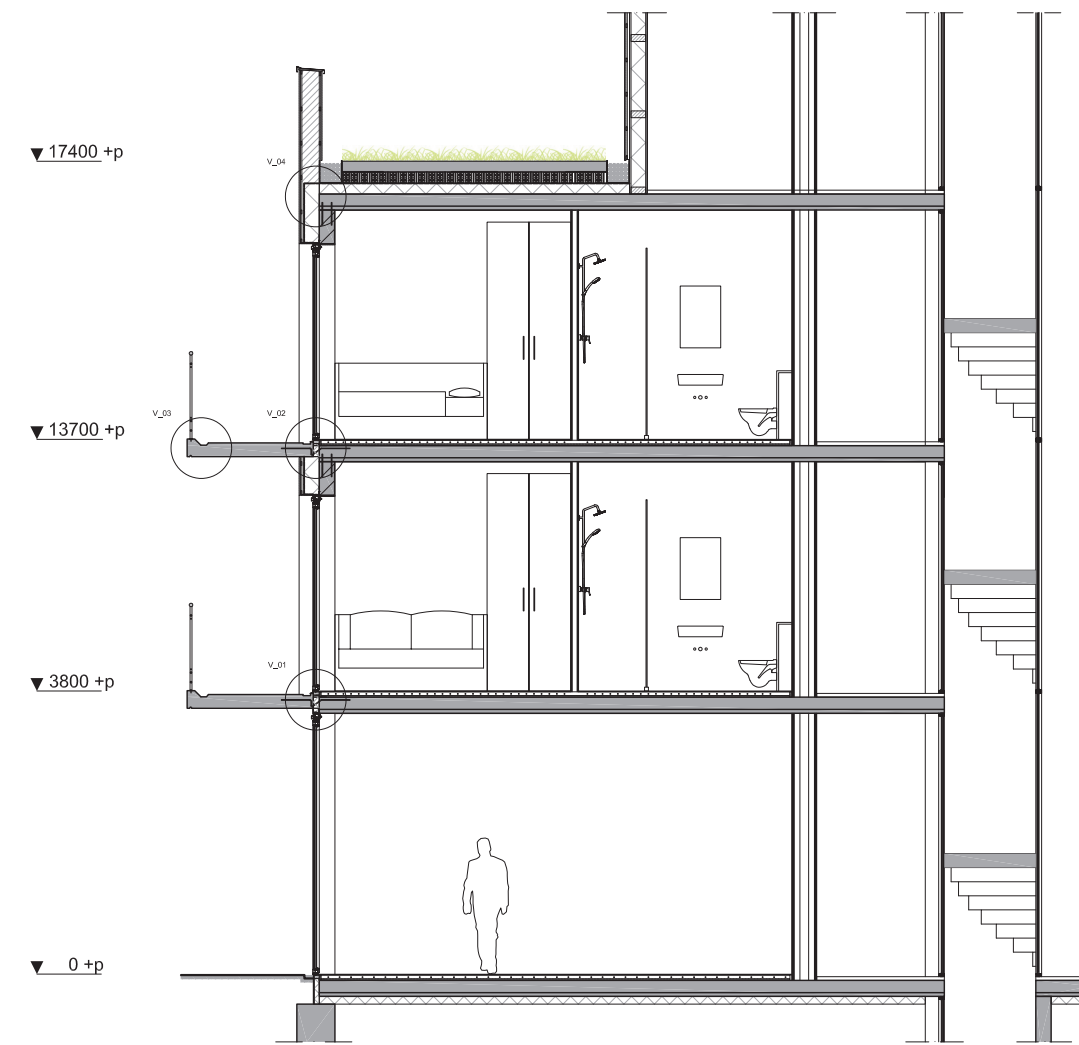
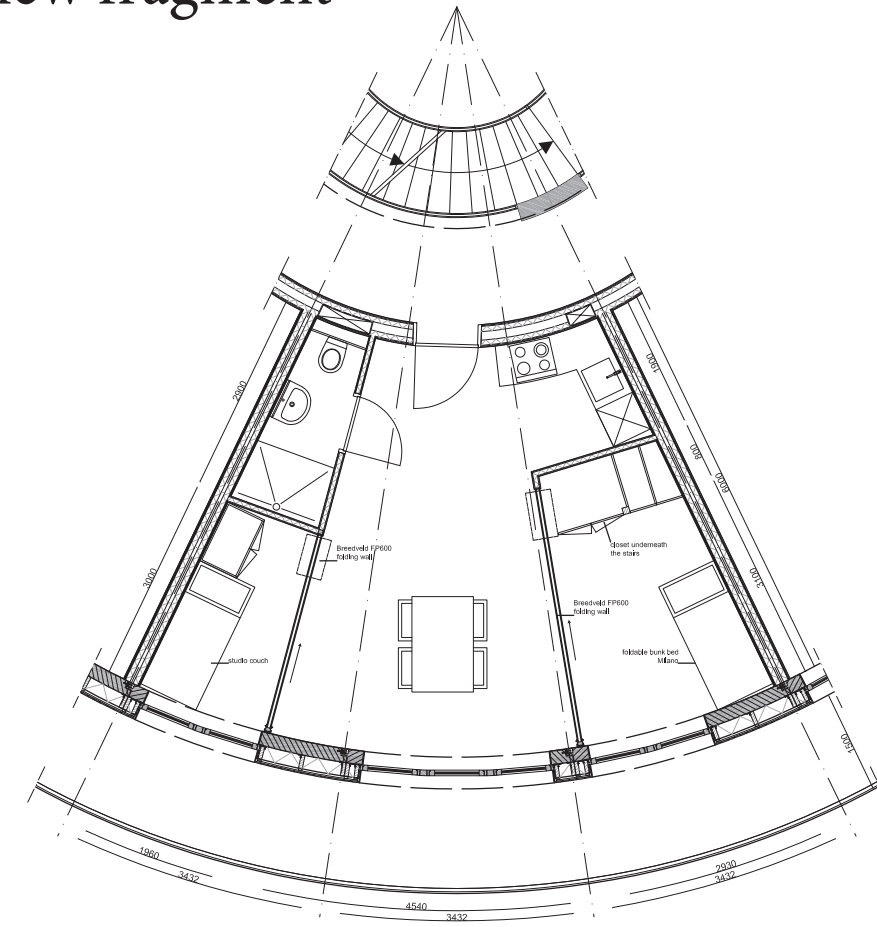
Flexibility base



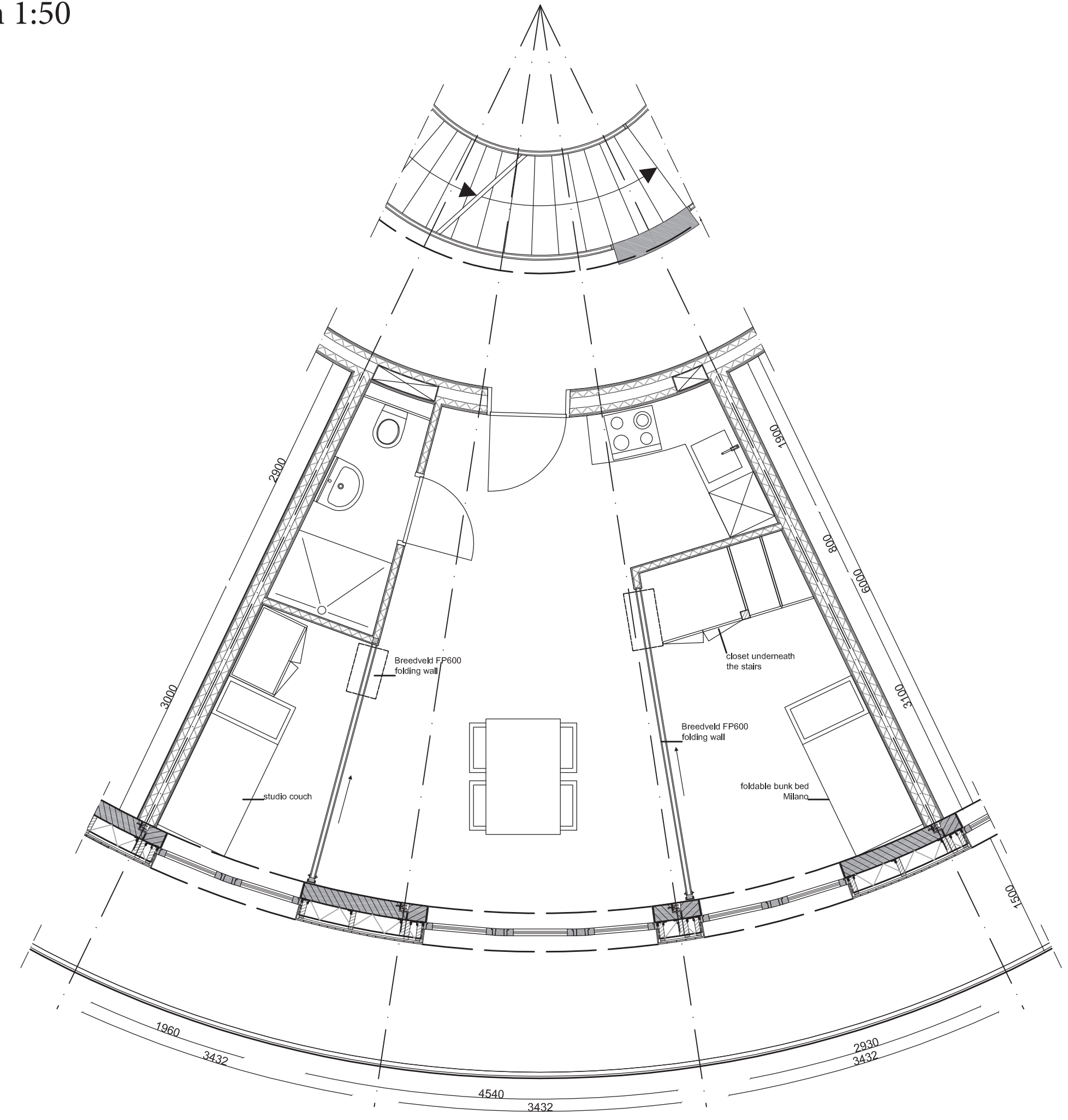
Flexibility top



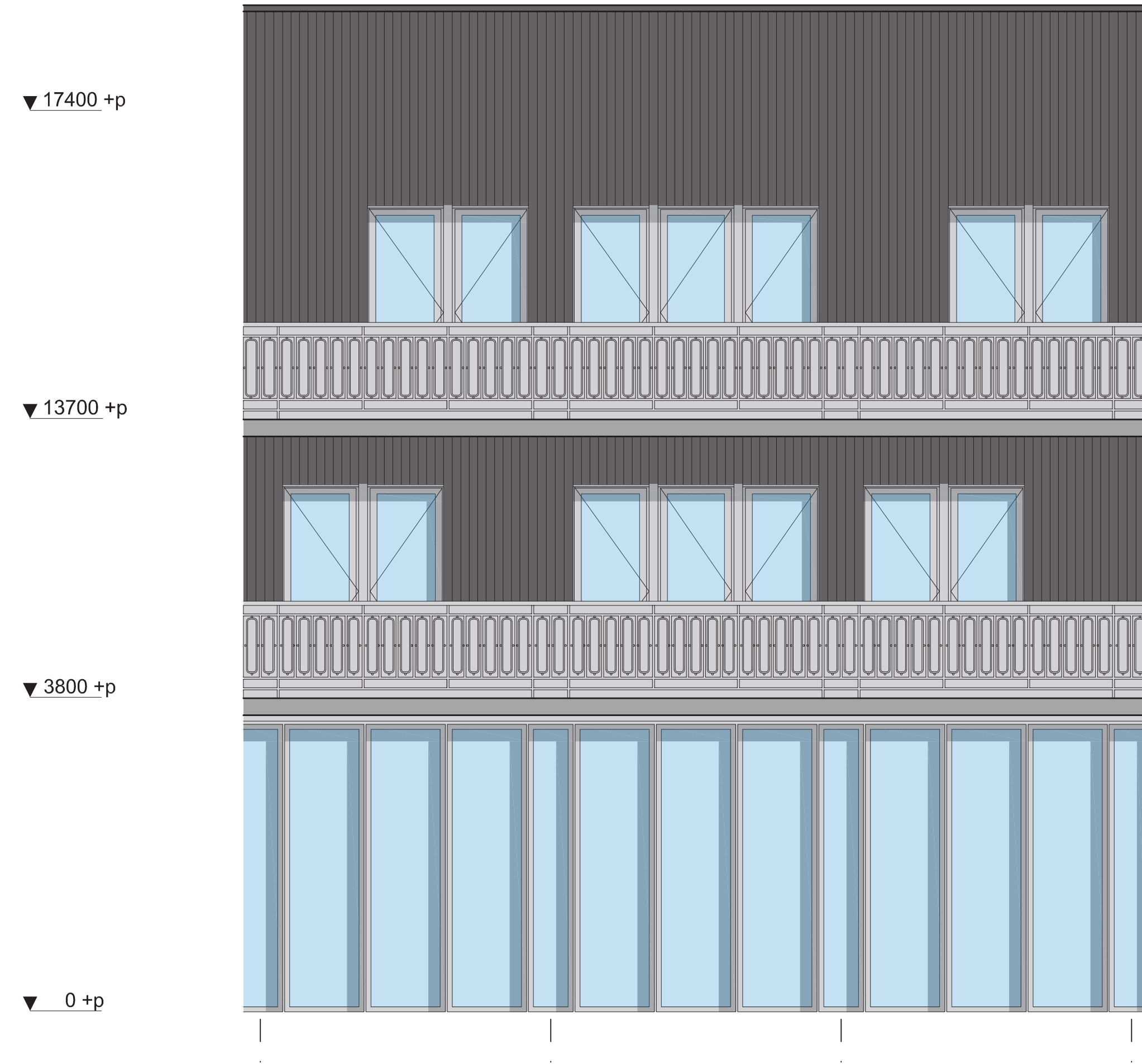
Overview fragment



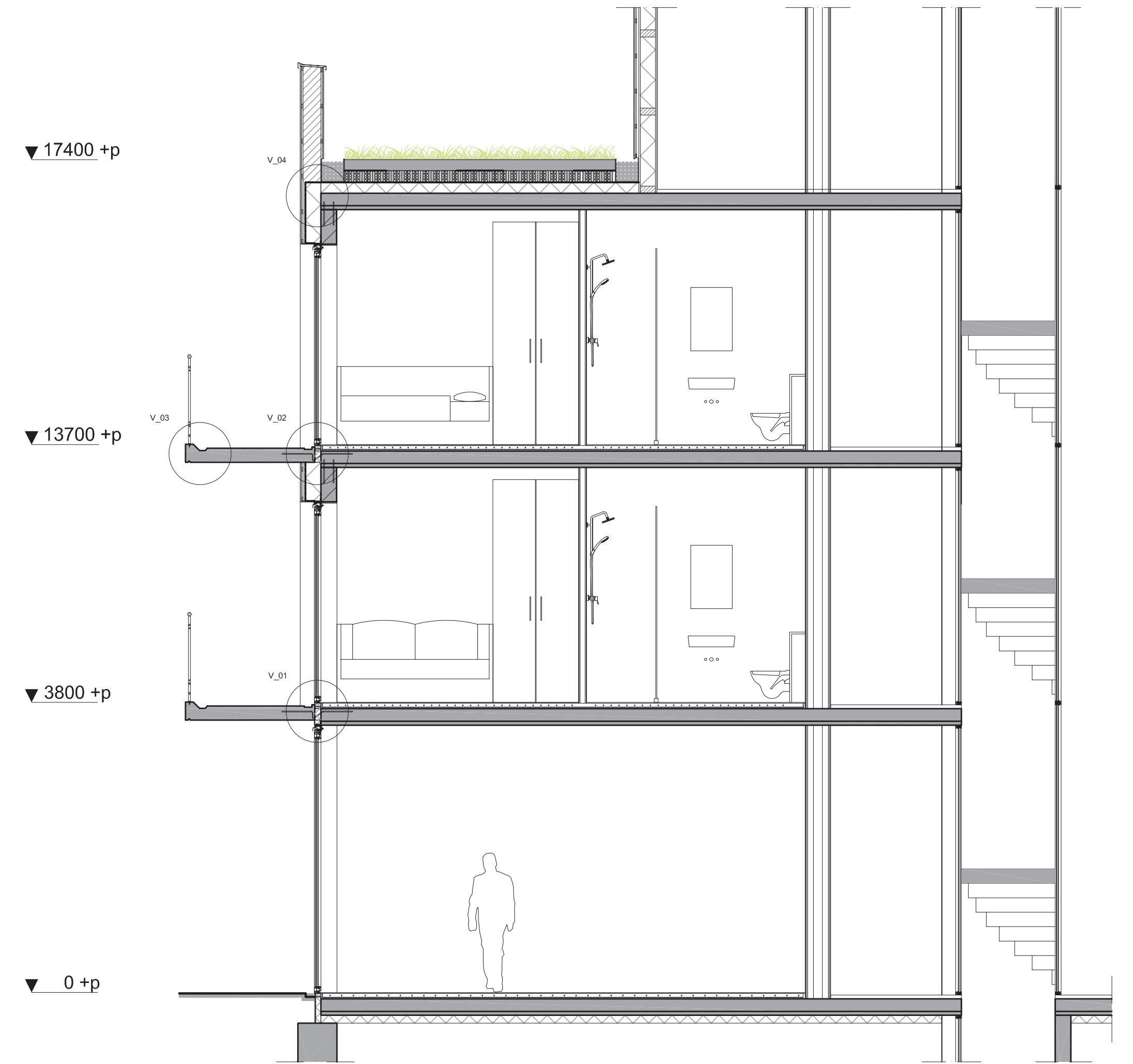
Floor plan 1:50



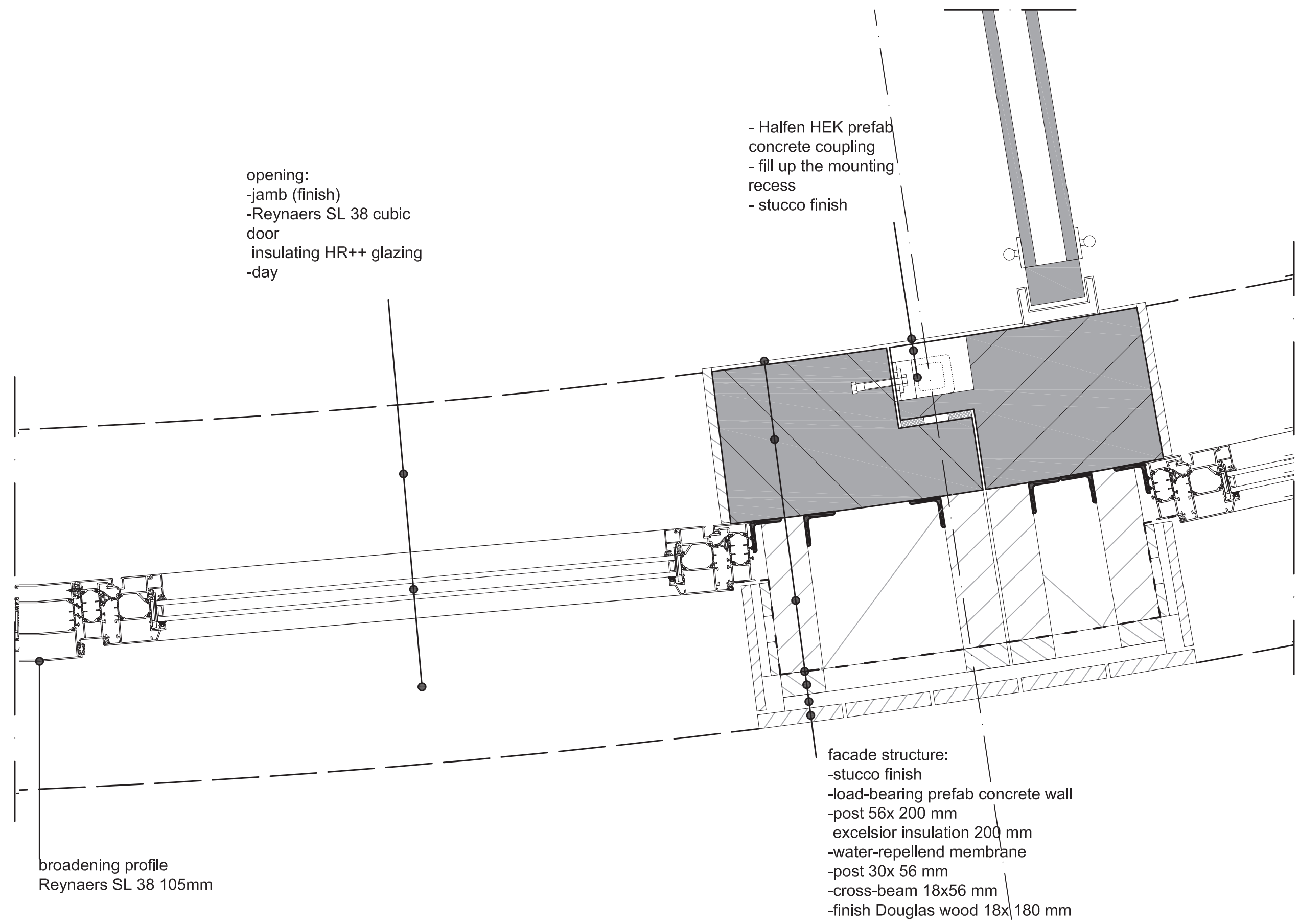
Façade 1:50



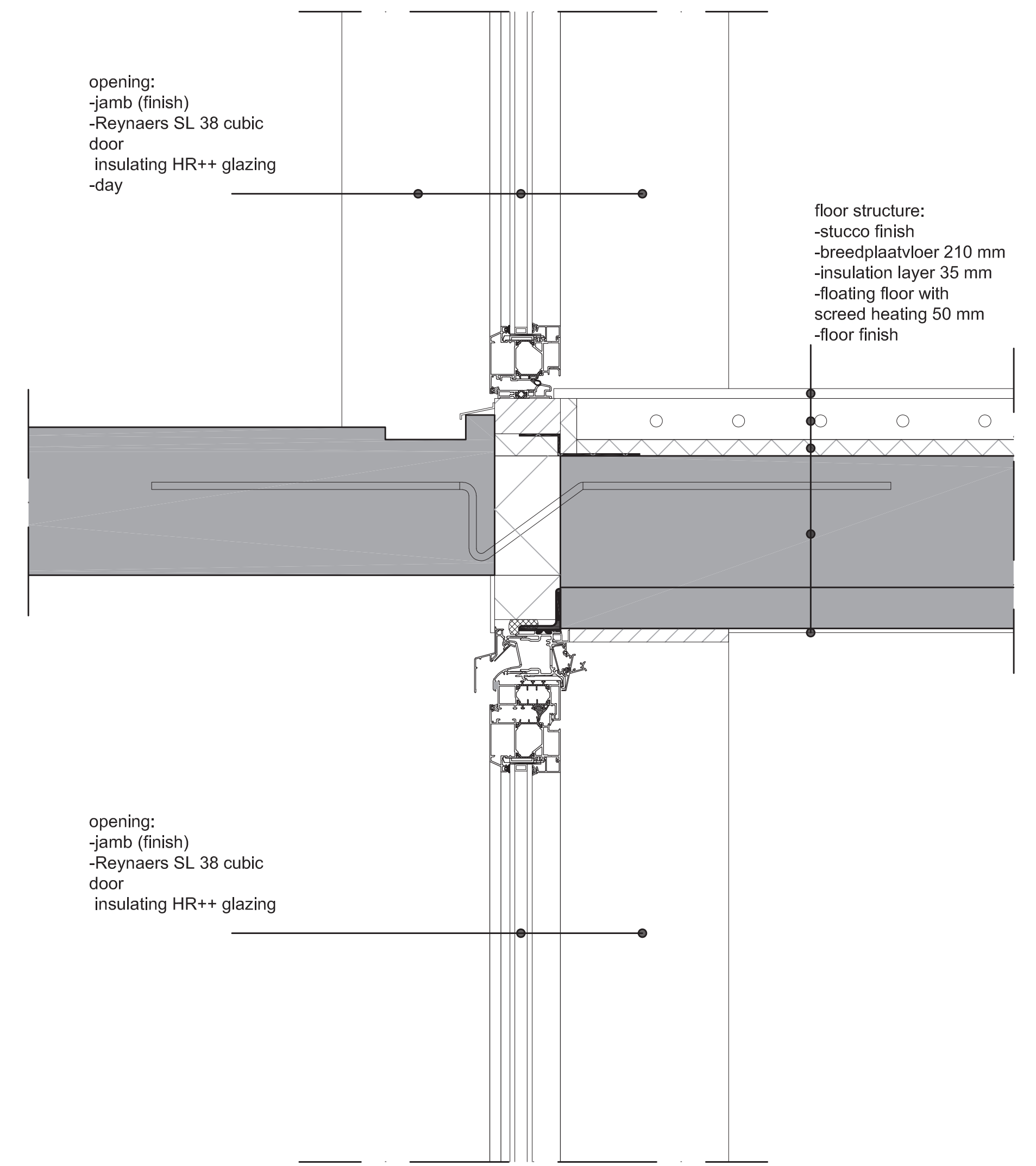
Section 1:50



Detail H_01



Detail V_01

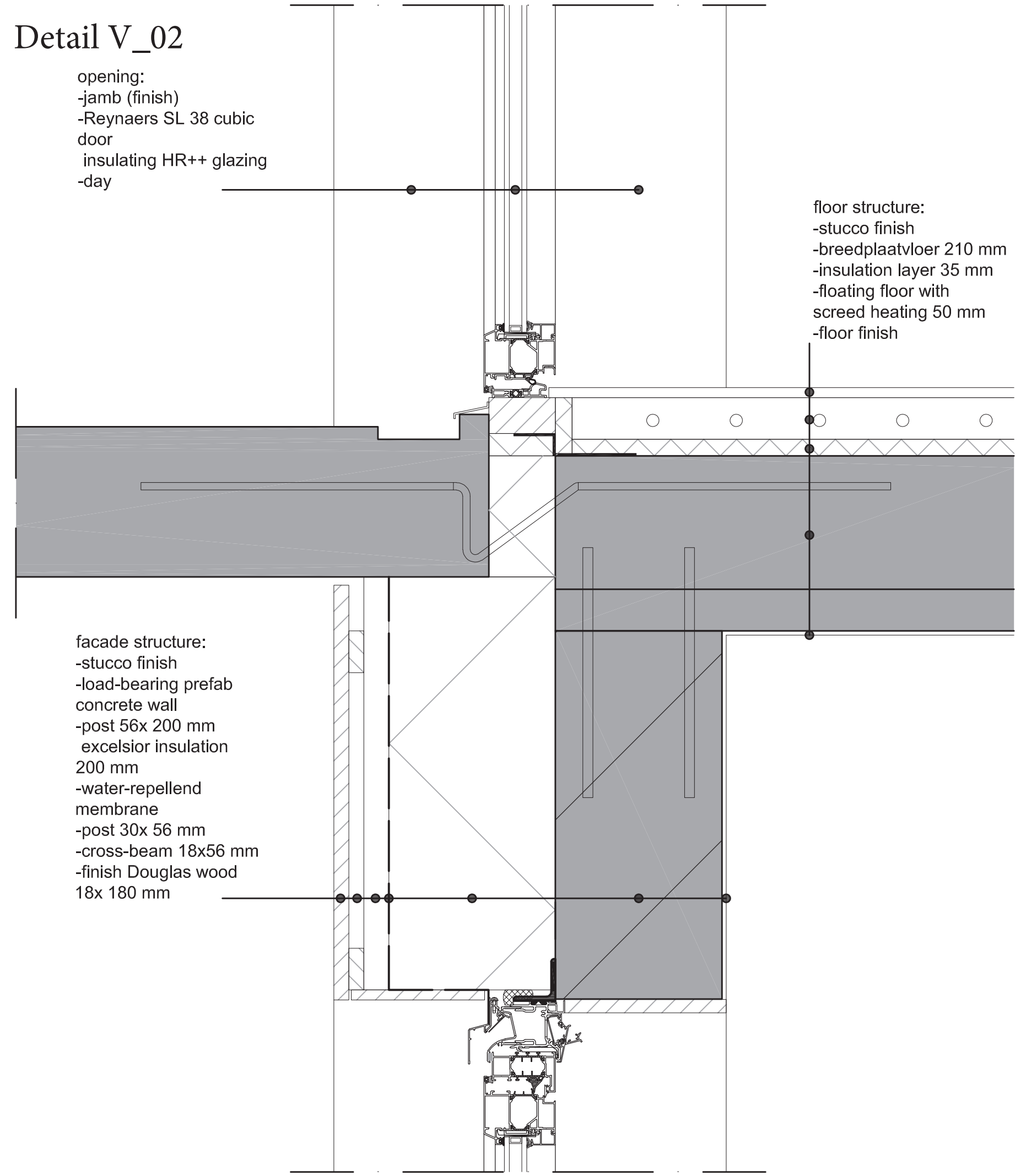


Detail V_02

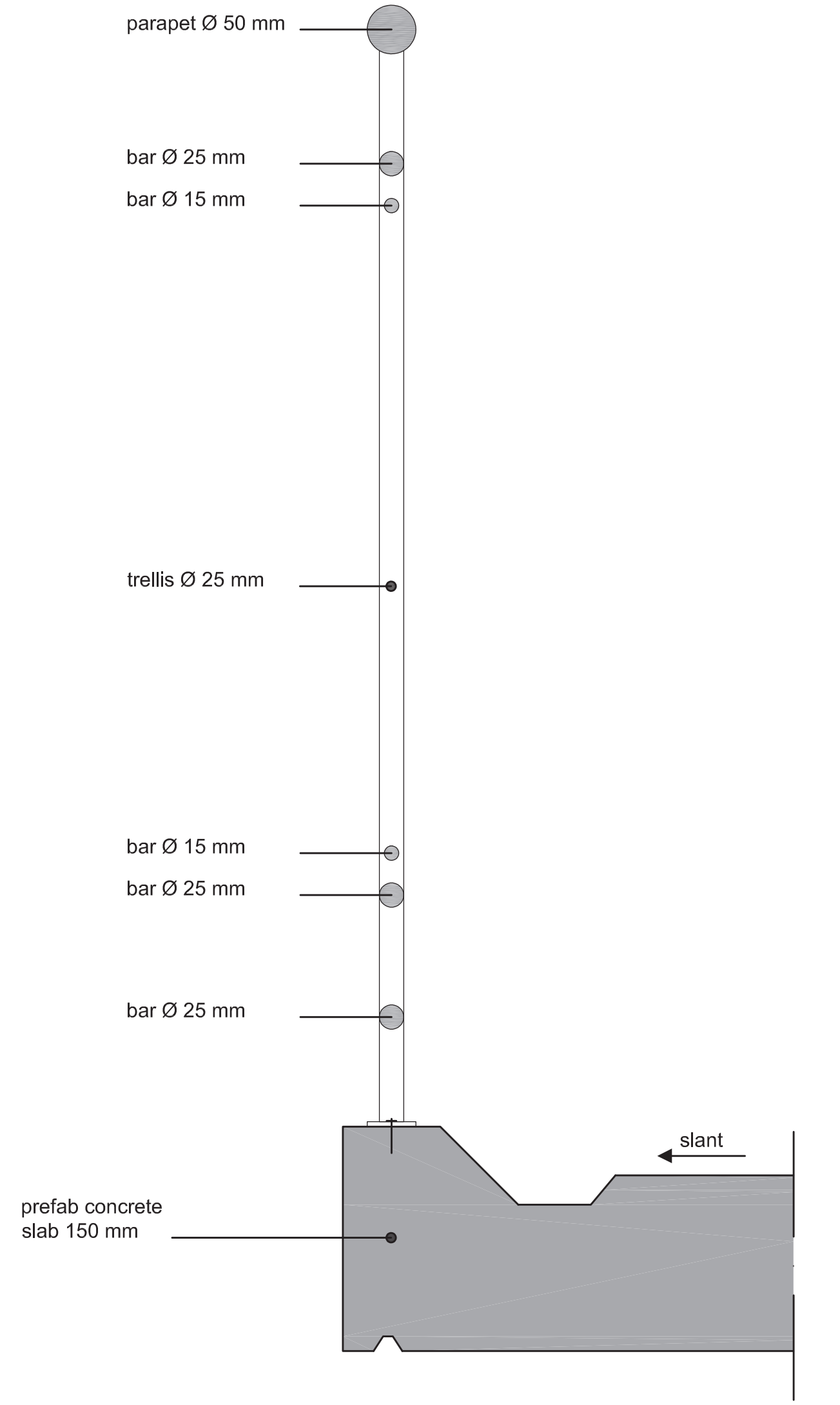
opening:
-jamb (finish)
-Reynaers SL 38 cubic door
insulating HR++ glazing
-day

floor structure:
-stucco finish
-breedplaatvloer 210 mm
-insulation layer 35 mm
-floating floor with screed heating 50 mm
-floor finish

facade structure:
-stucco finish
-load-bearing prefab concrete wall
-post 56x 200 mm excelsior insulation 200 mm
-water-repellend membrane
-post 30x 56 mm
-cross-beam 18x56 mm
-finish Douglas wood 18x 180 mm



Detail V_03



parapet Ø 50 mm

bar Ø 25 mm

bar Ø 15 mm

trellis Ø 25 mm

bar Ø 15 mm

bar Ø 25 mm

bar Ø 25 mm

prefab concrete slab 150 mm

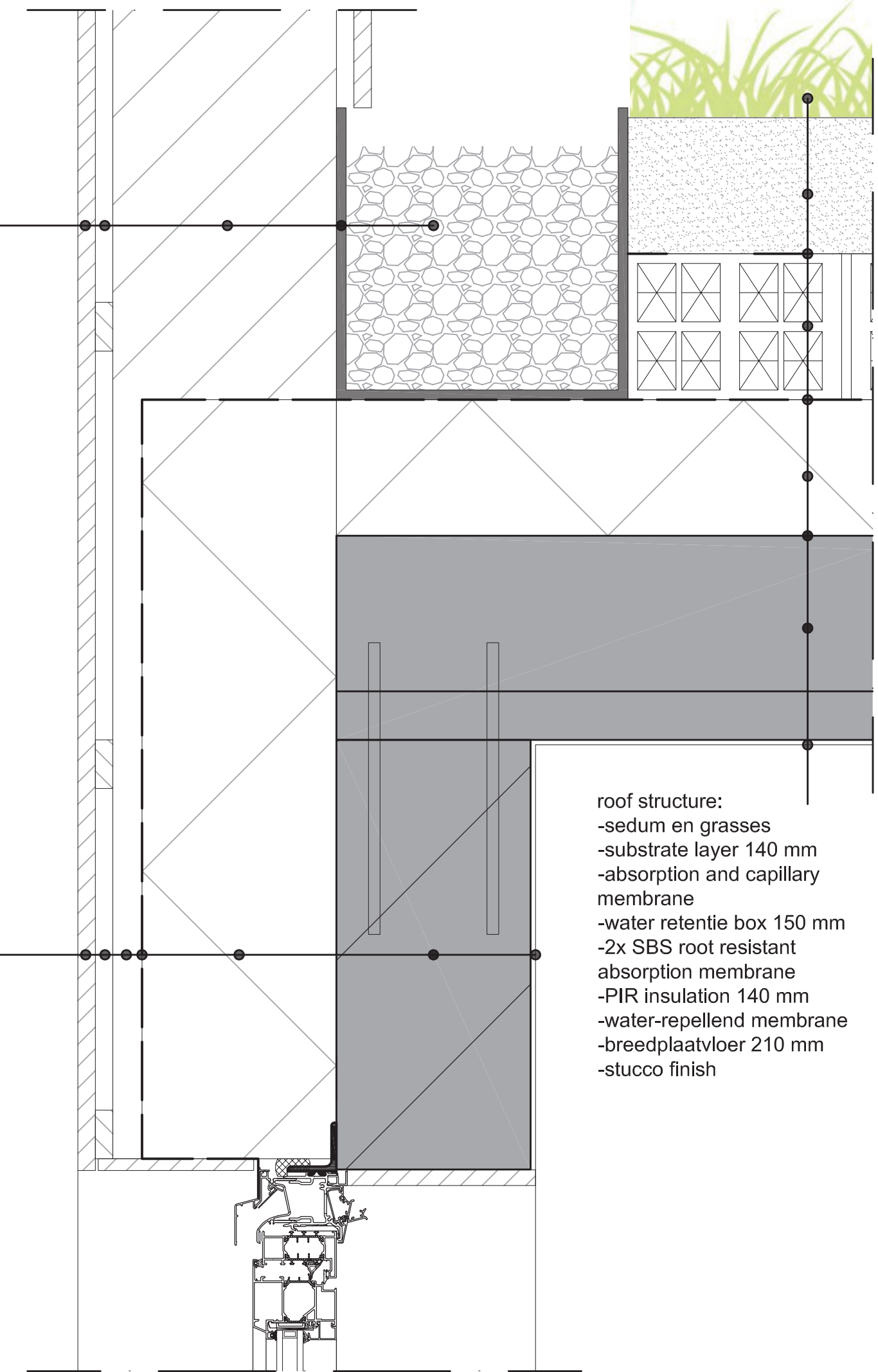
slant

roof edge:
 -gravel 300 mm
 -aluminium U profile
 -post continued 56x 230 mm
 -cross beam 18x 56 mm
 -finish Douglas wood 18x 100 mm

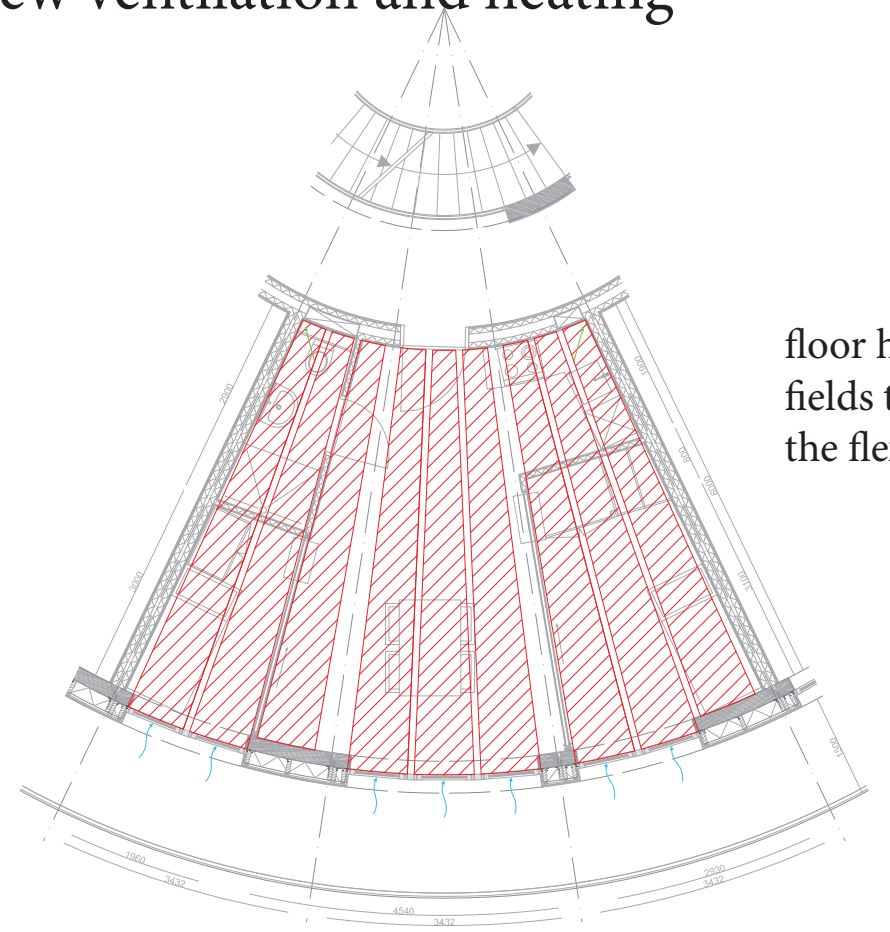
facade structure:
 -stucco finish
 -load-bearing prefab concrete wall
 -post 56x 200 mm
 excelsior insulation 200 mm
 -water-repellend membrane
 -post 30x 56 mm
 -cross-beam 18x56 mm
 -finish Douglas wood 18x 180 mm

roof structure:
 -sedum en grasses
 -substrate layer 140 mm
 -absorption and capillary membrane
 -water retentie box 150 mm
 -2x SBS root resistant absorption membrane
 -PIR insulation 140 mm
 -water-repellend membrane
 -breedplaatvloer 210 mm
 -stucco finish

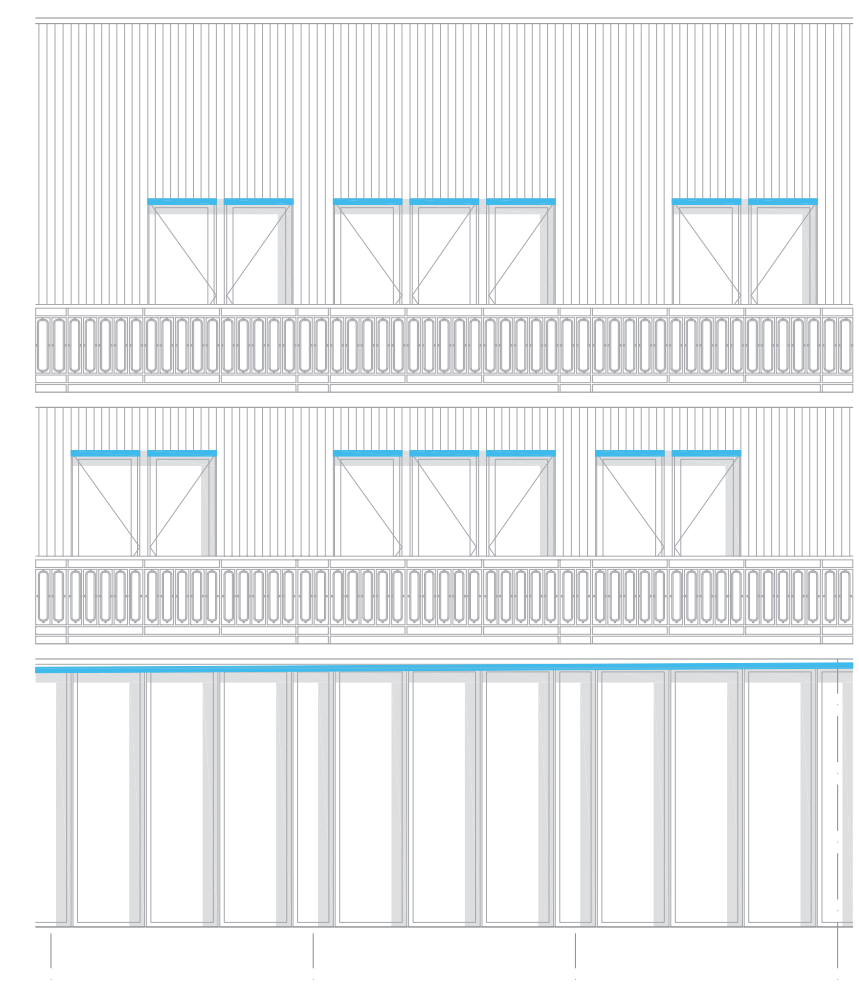
Detail V_04



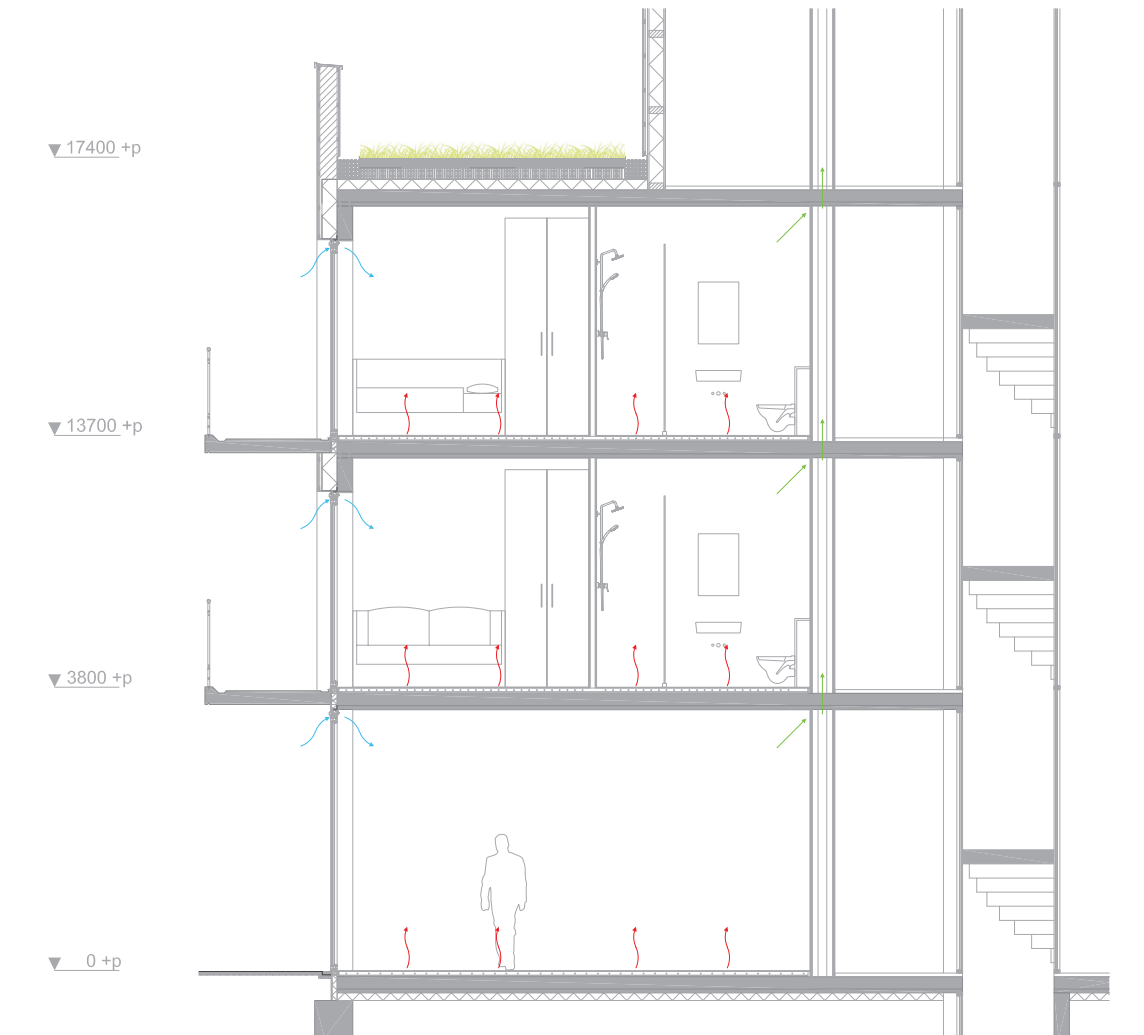
Overview ventilation and heating



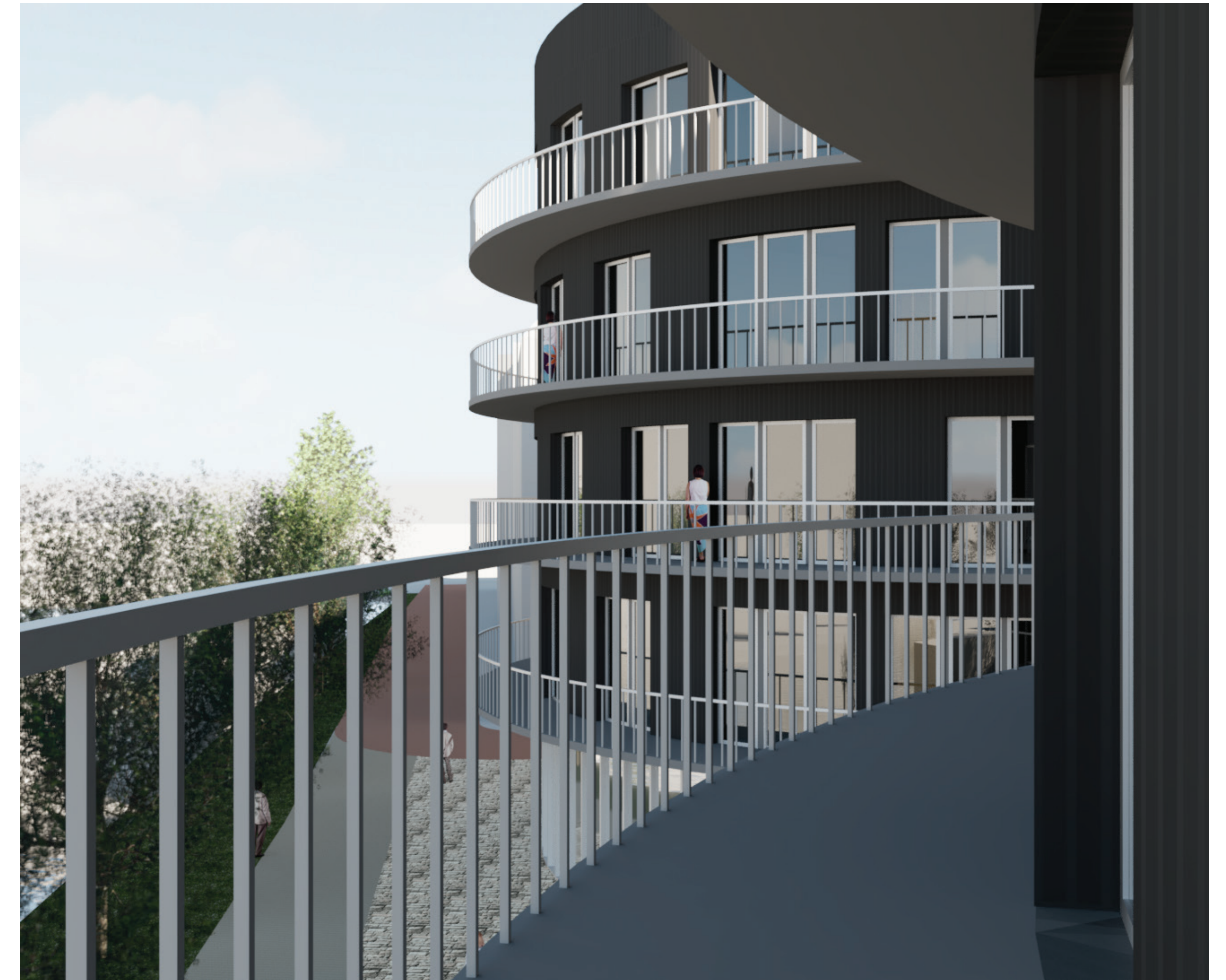
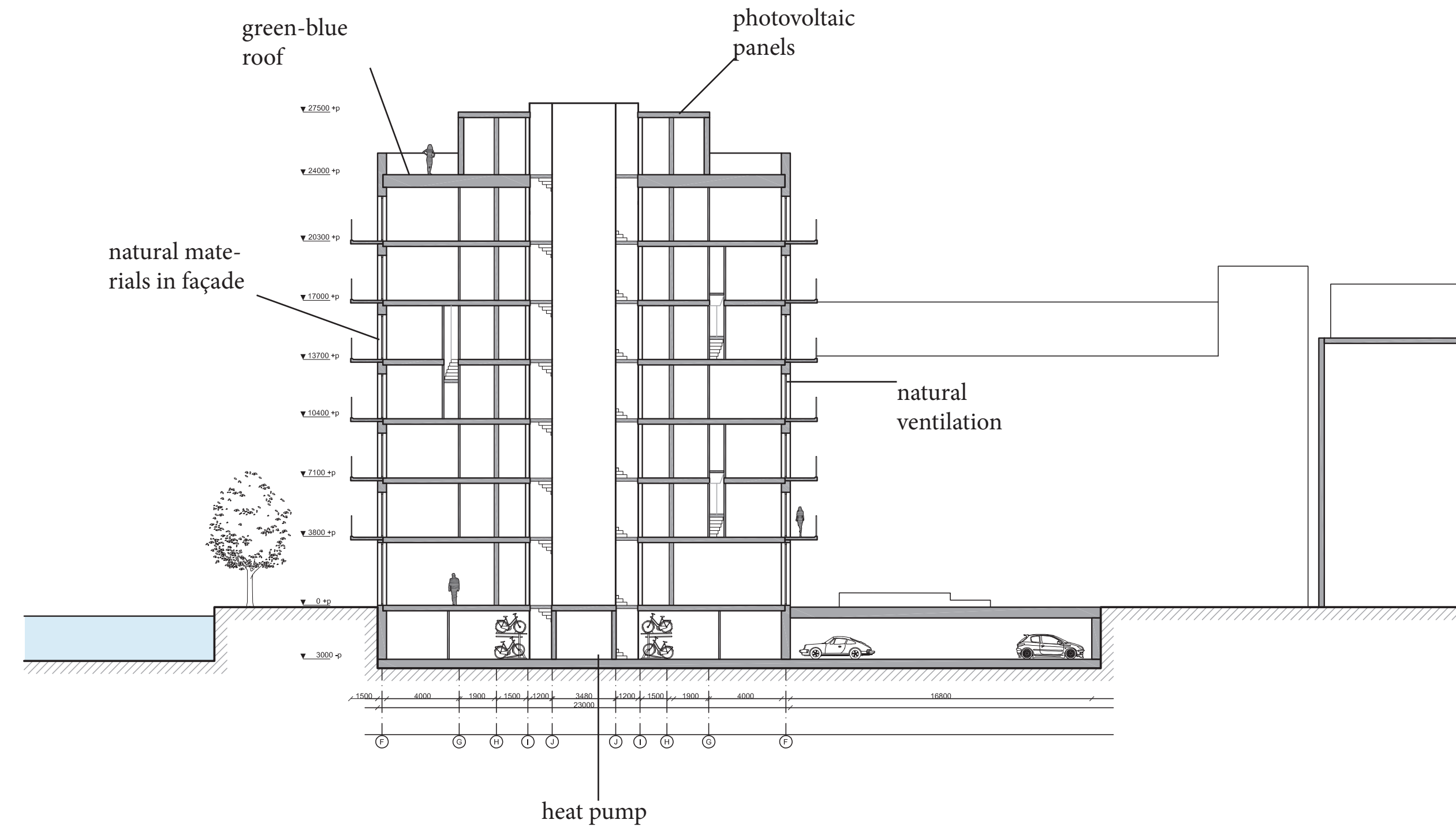
floor heating in fields to improve the flexibility



▼ 17400 +p
 ▼ 13700 +p
 ▼ 3800 +p
 ▼ 0 +p



Other sustainability principles



Amanda Schuurbiers