



live/work-building

Towards an efficient use of the city

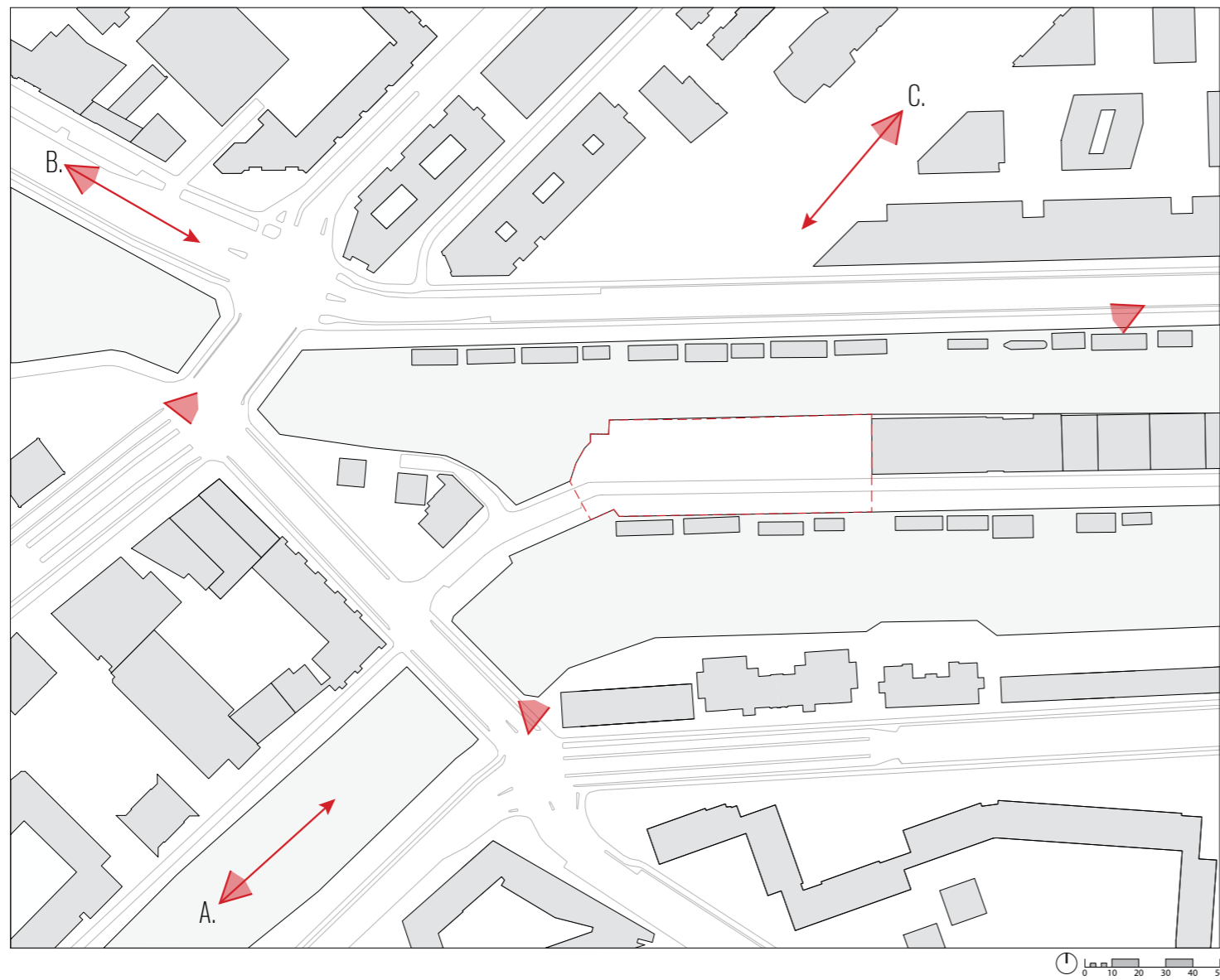
Remco Schrijver
4517342

P5 drawing booklet
Dutch Housing graduation studio
31-01-2019

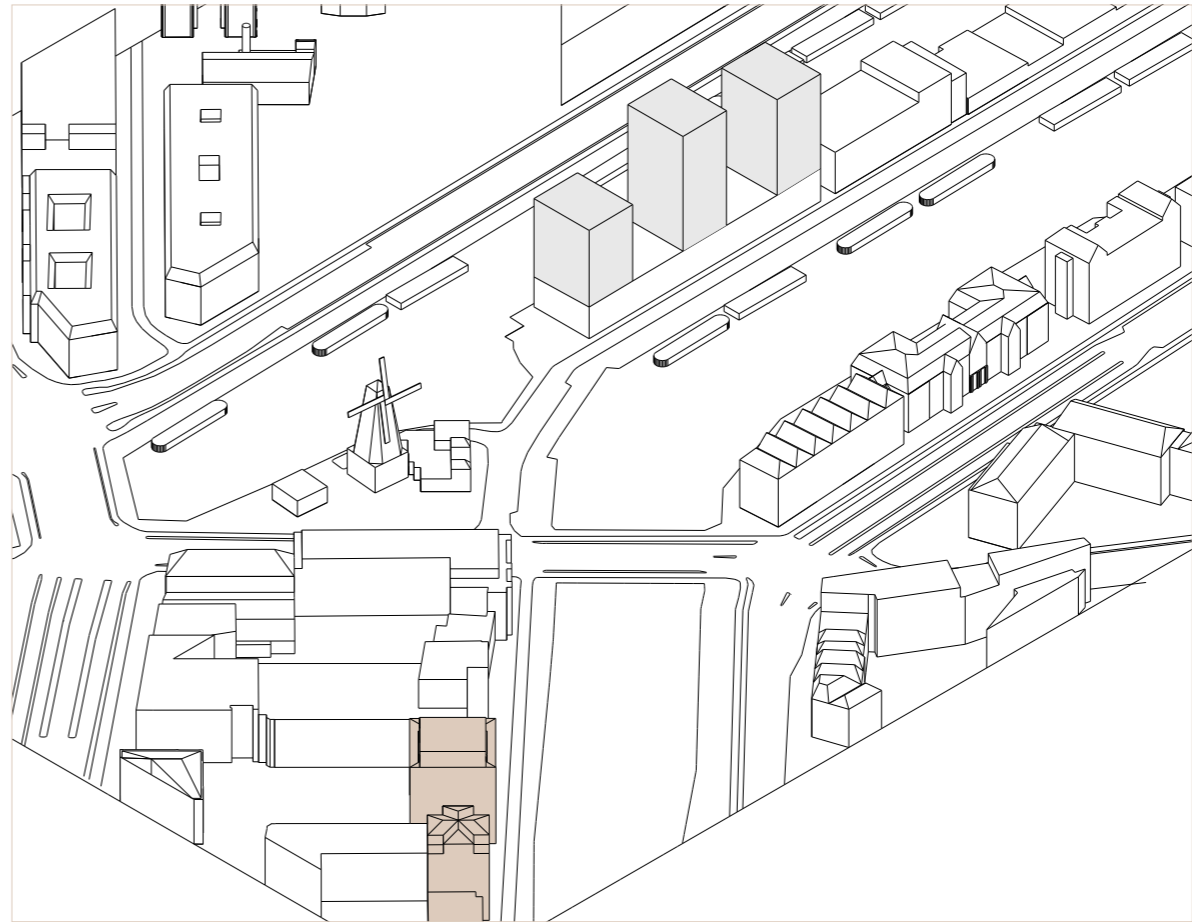
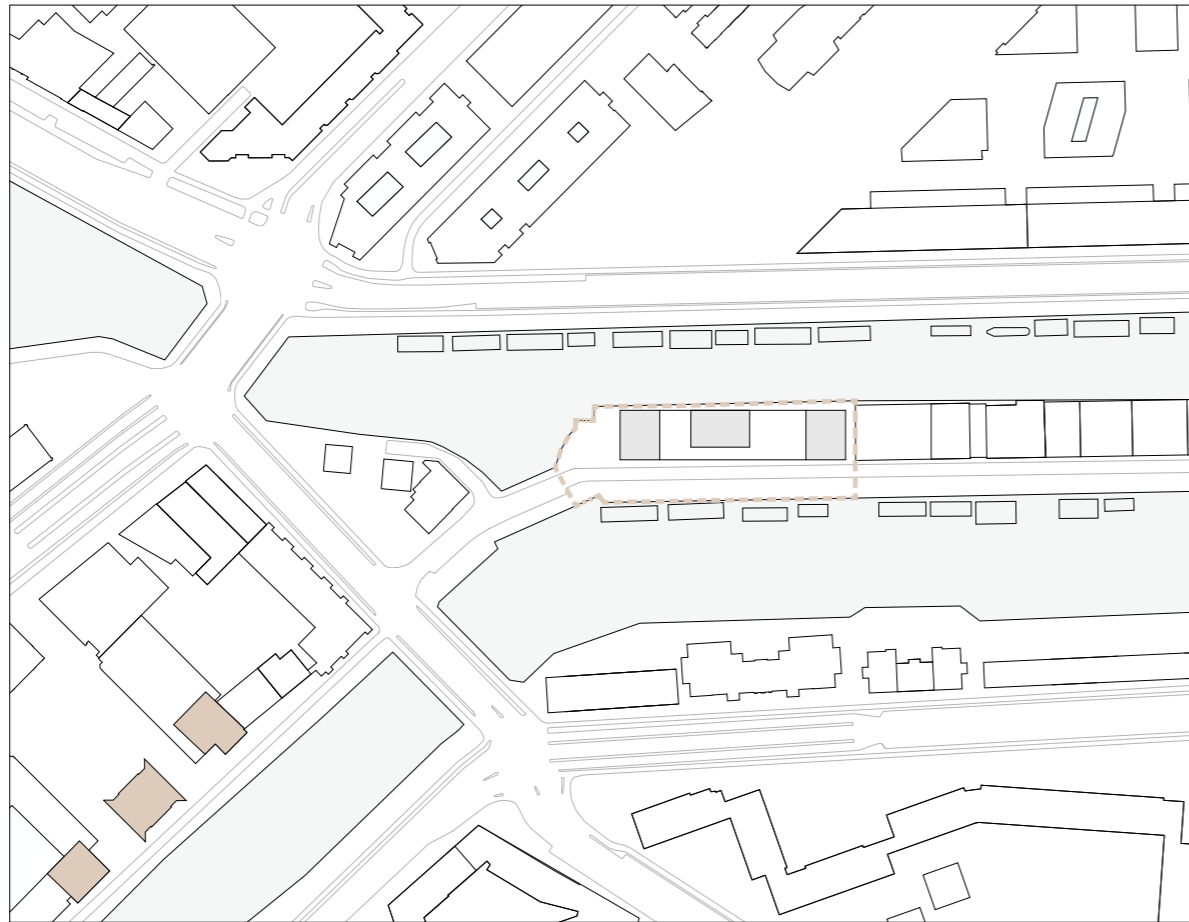
Theo Kupers
Ferry Adema
Pierijn van der Putt

A white stepped line graphic on a light beige background. It starts with a horizontal line on the left, then rises vertically, followed by a horizontal segment, then rises again to a higher level, then falls to the original level, then rises to a level between the first and second steps, and finally falls to the original level.

Location analyses



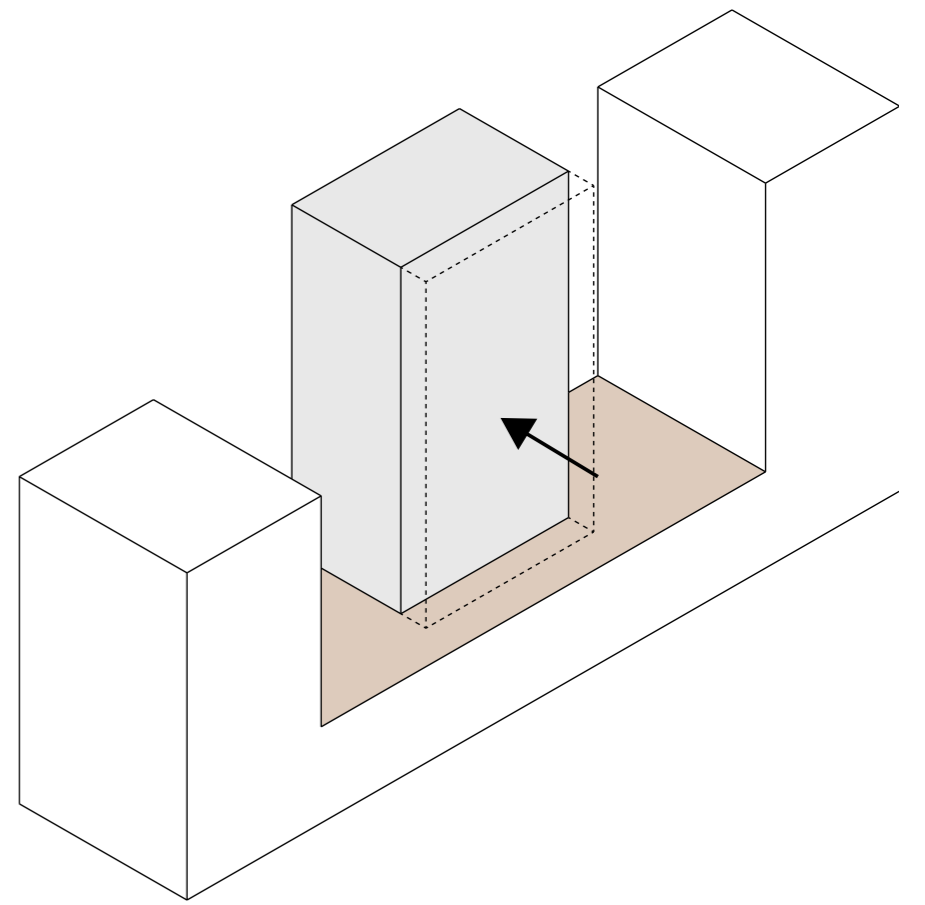
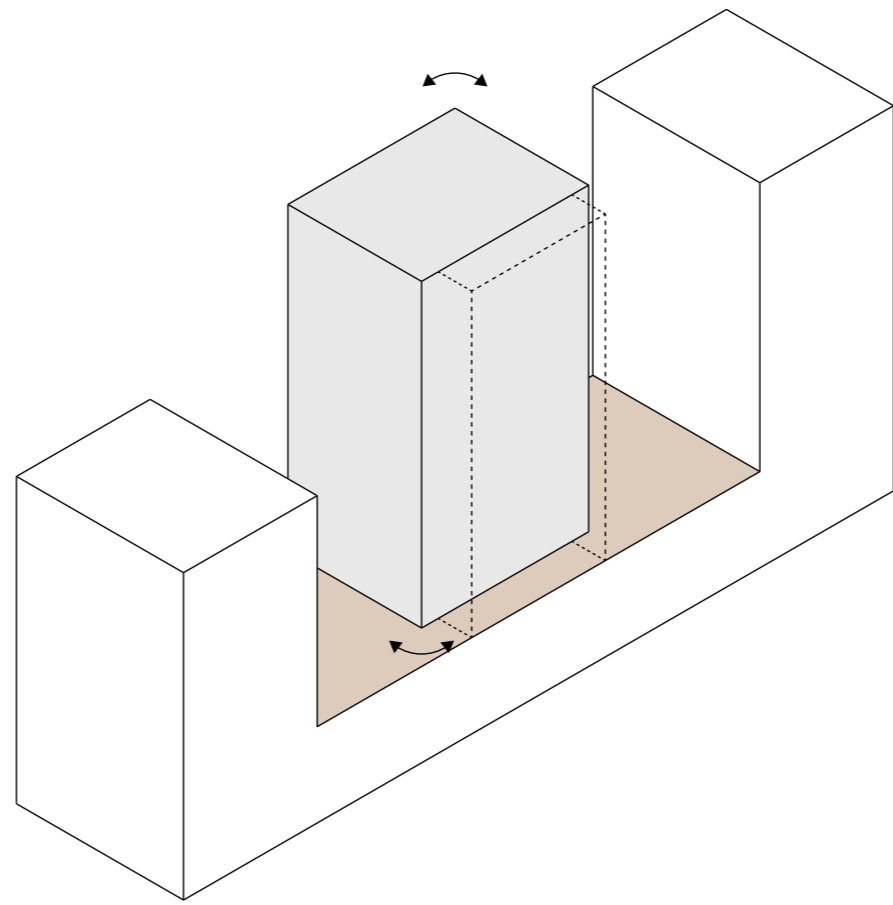
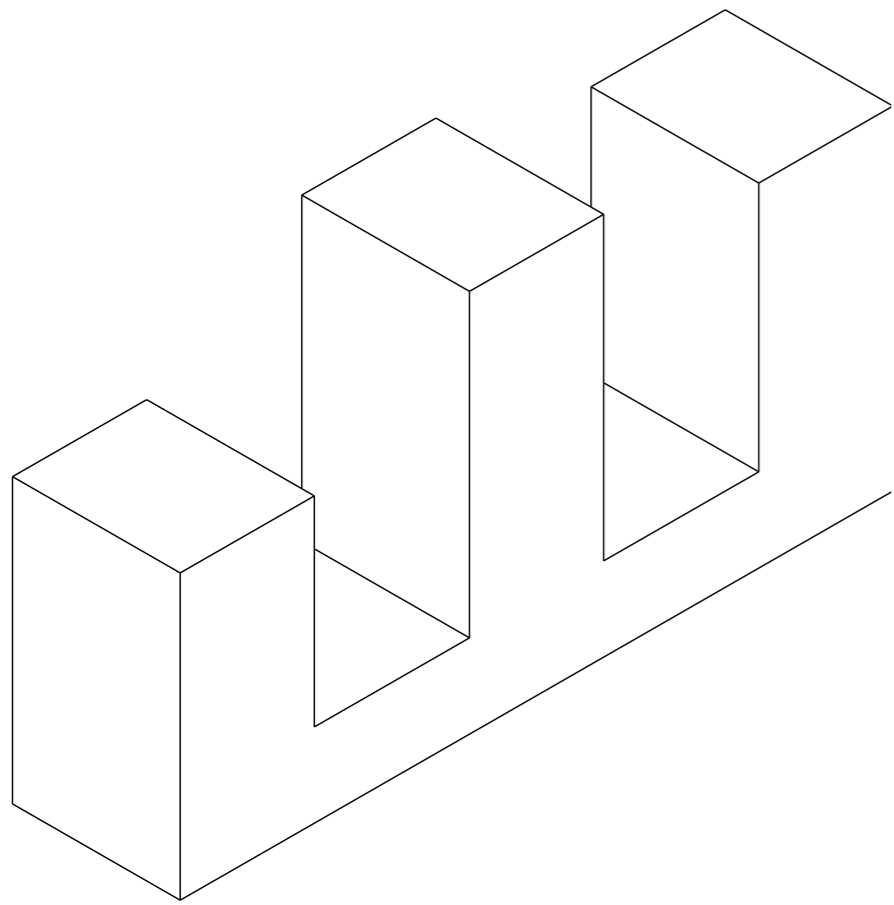


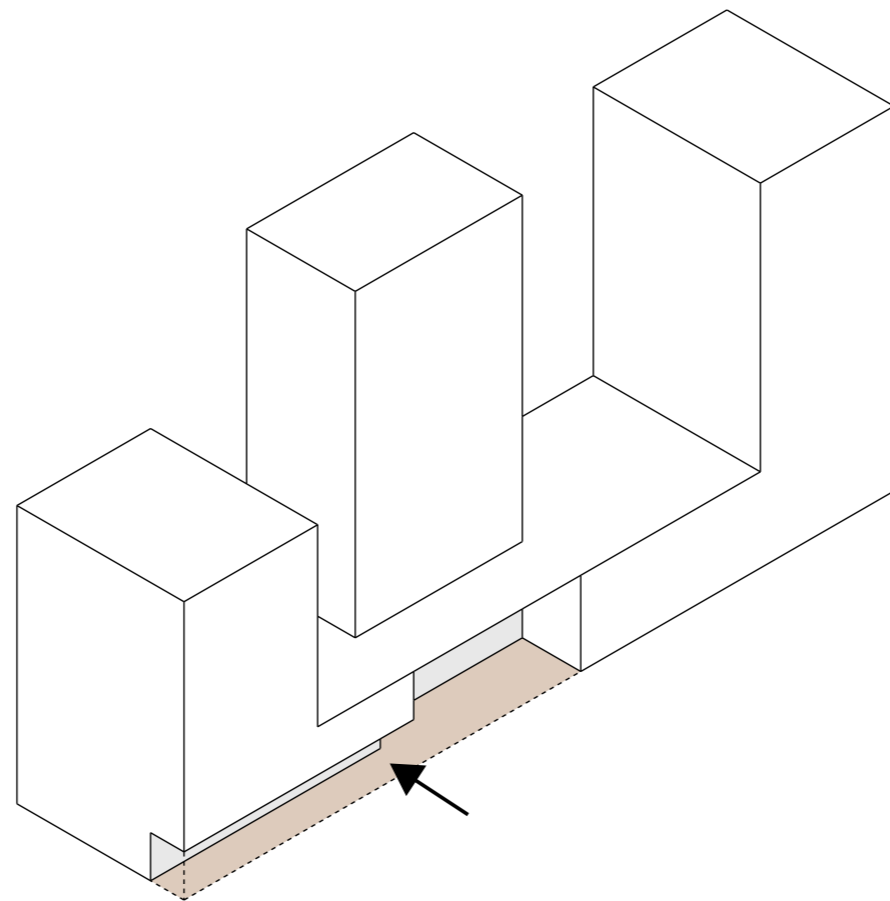
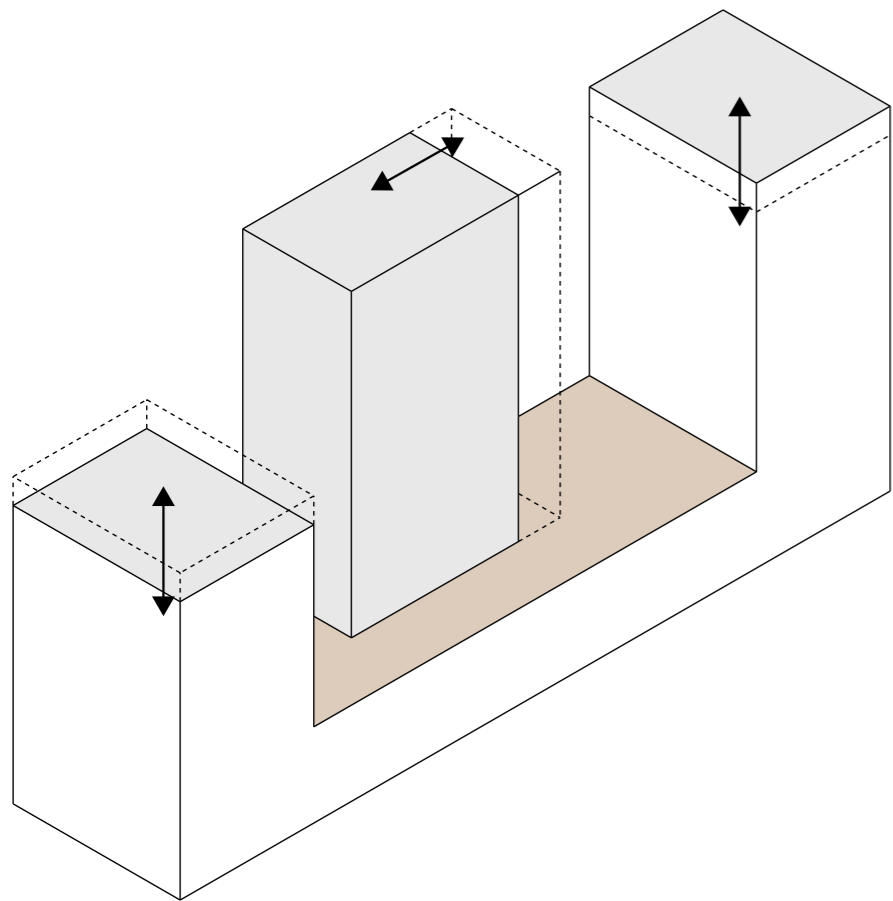


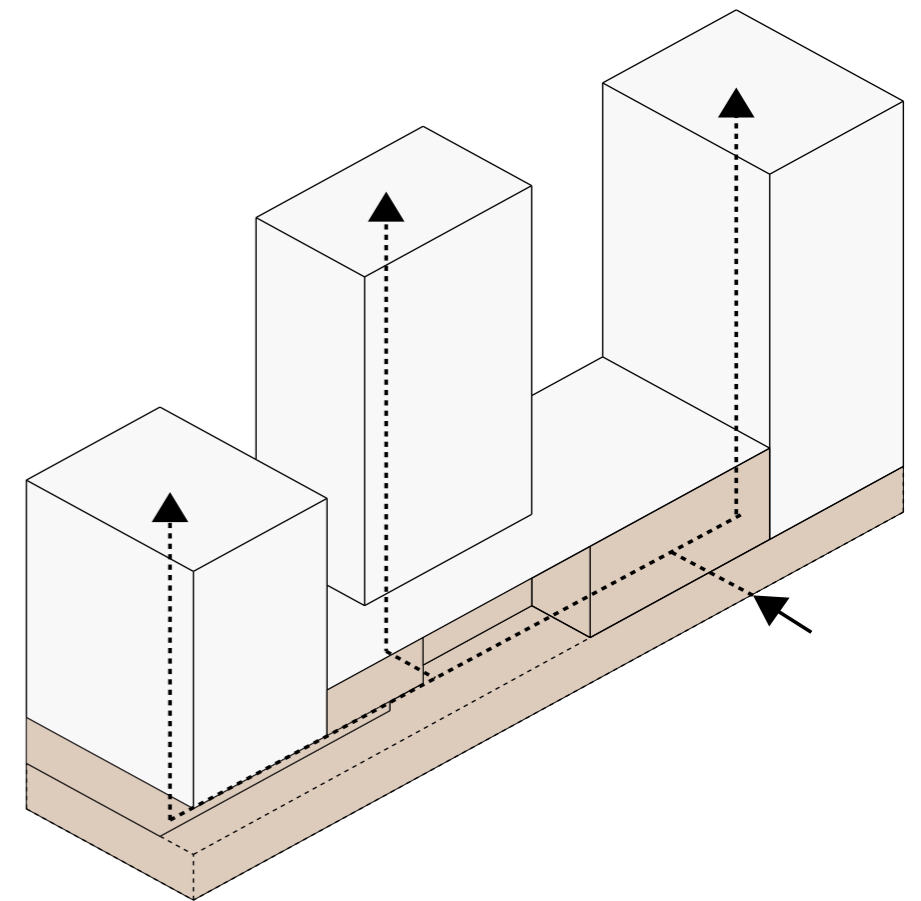
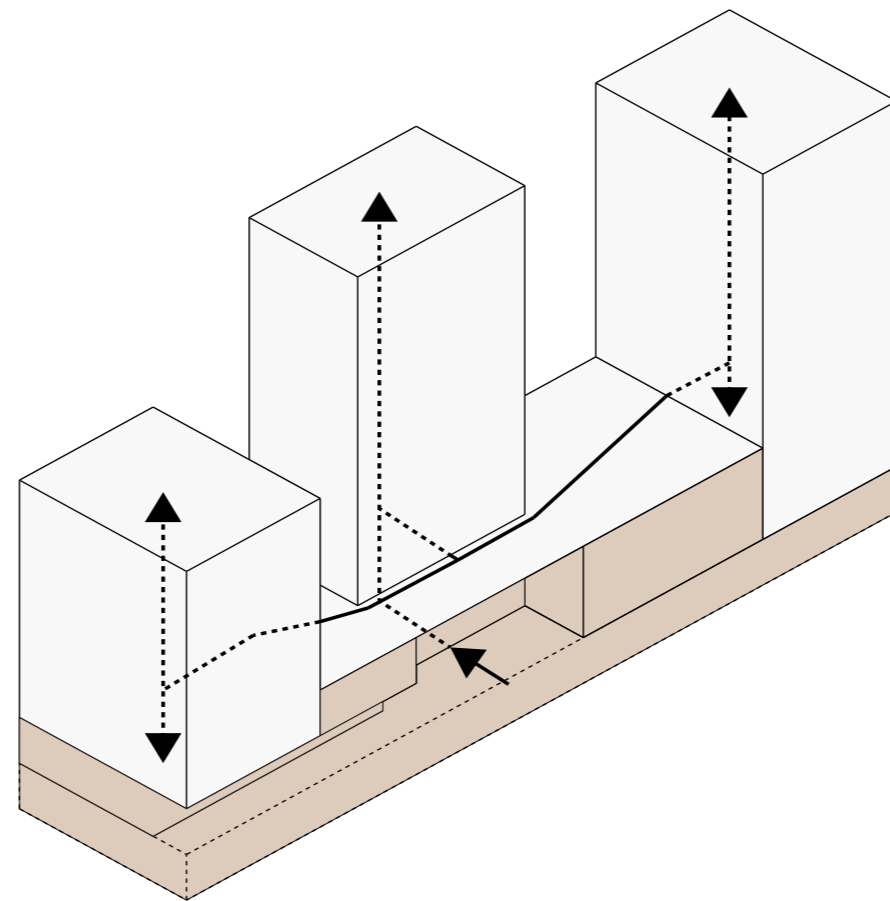
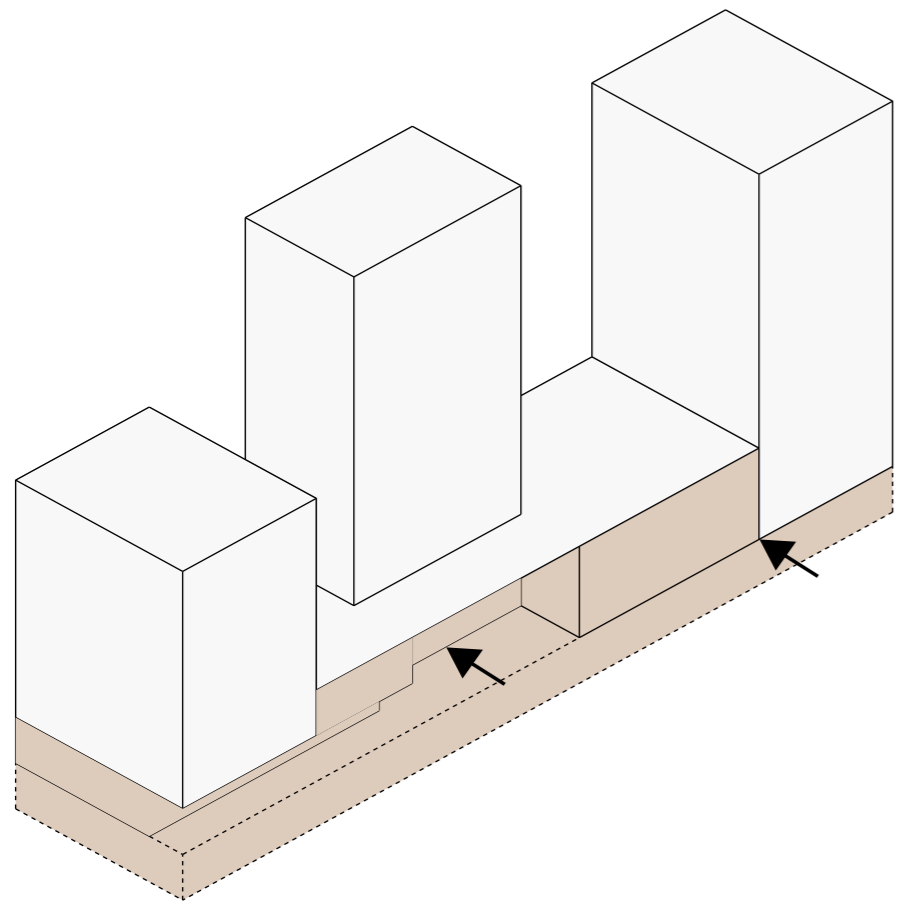


Design

Building mass









Situation

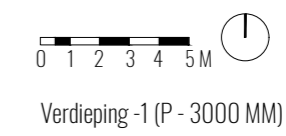
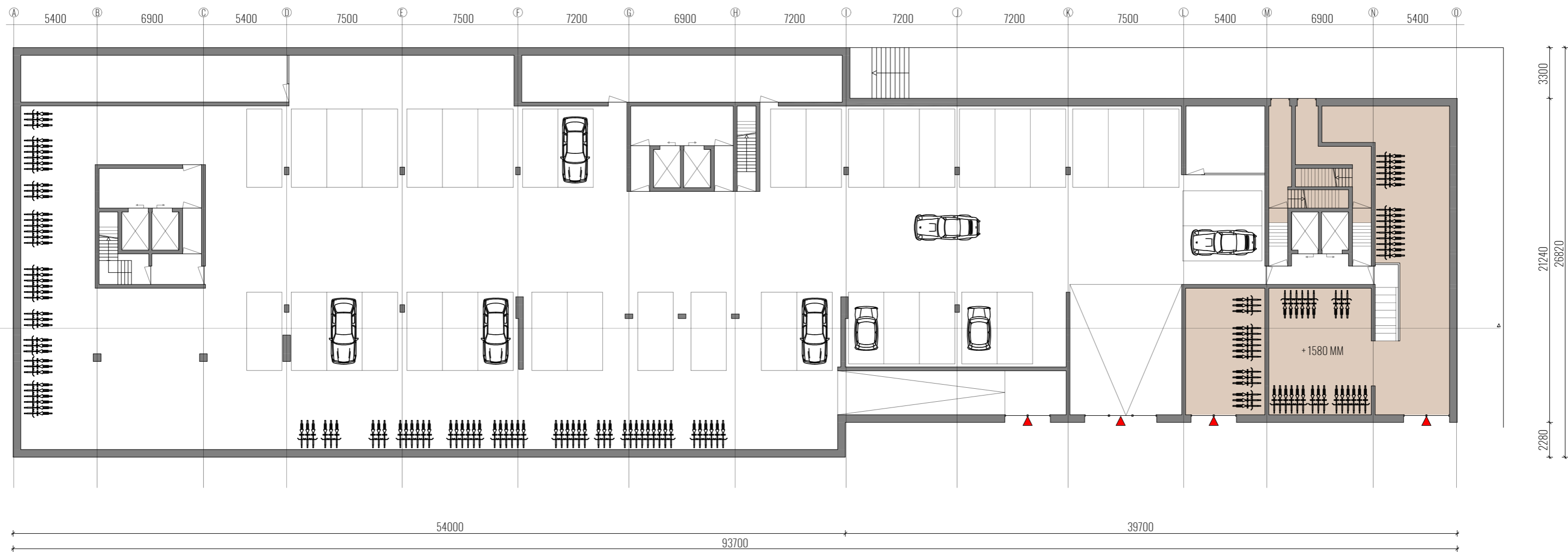


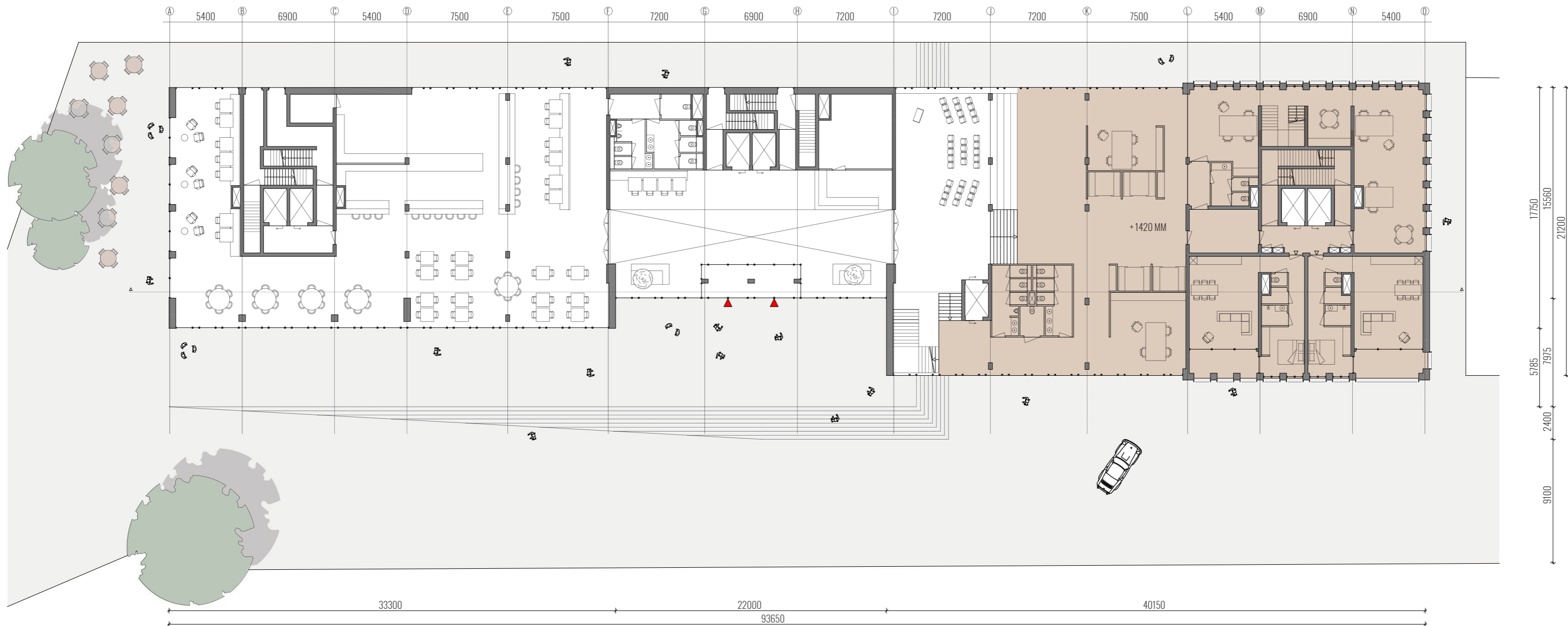
Live/work-building - Situation (1 : 500)




Design

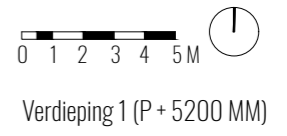
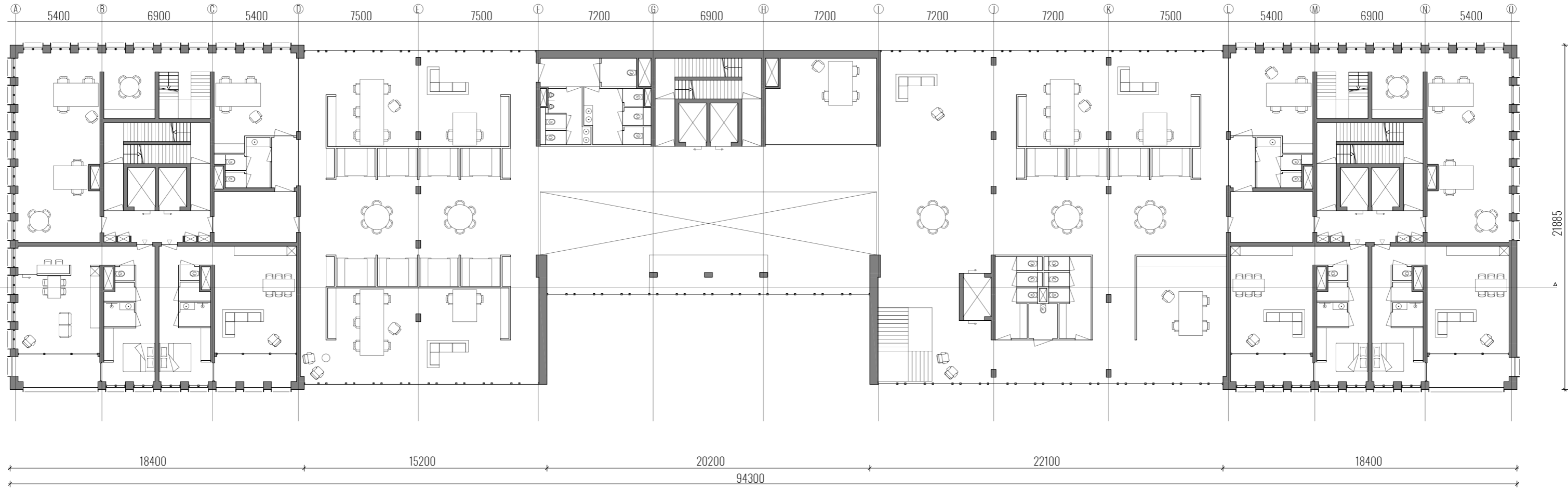
Floor plans



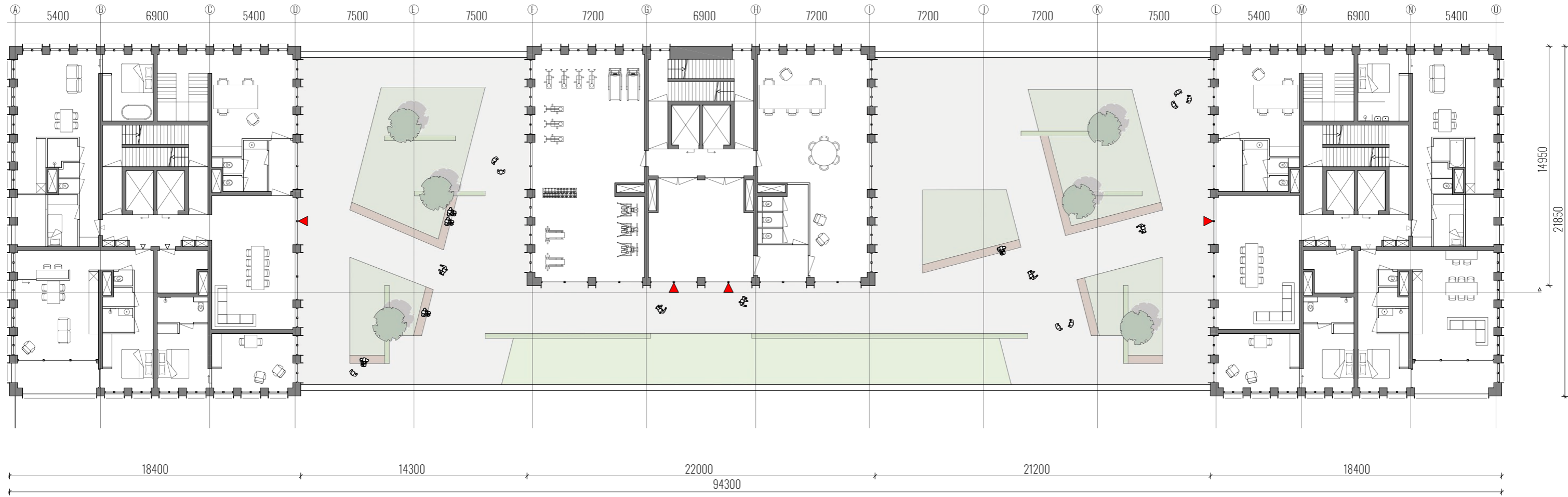


0 1 2 3 4 5 M 
 Verdieping BG (P = 0 MM)

Live/work-building - Design - floor plan ground floor



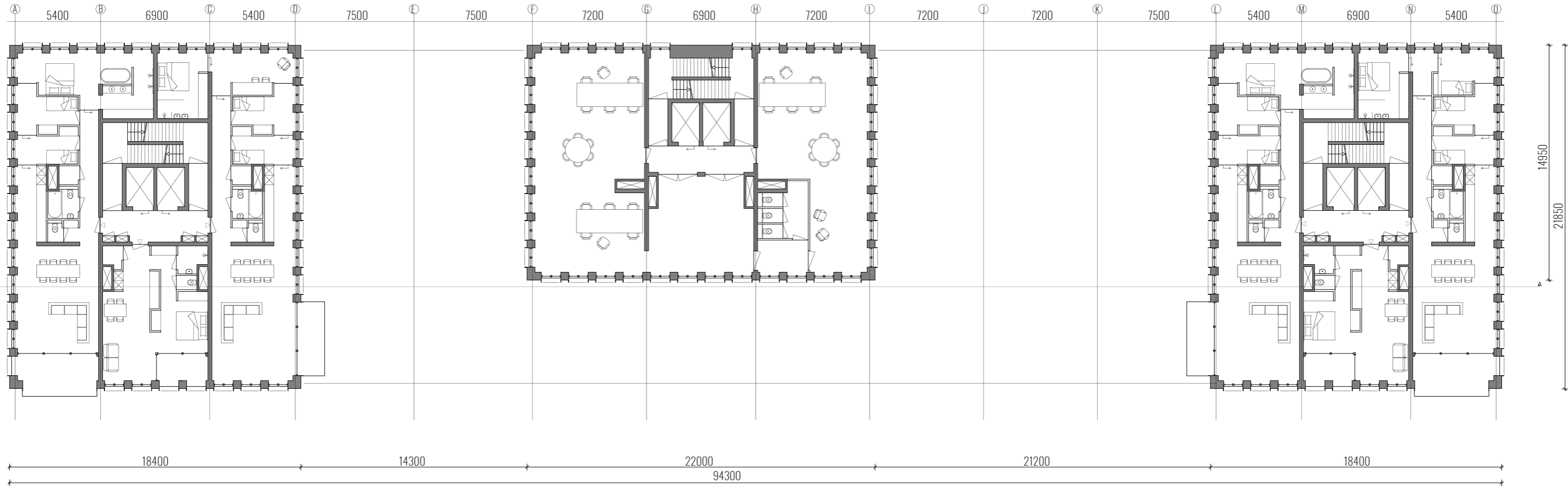
Live/work-building - Design - floor plan 1st floor



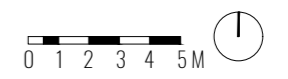
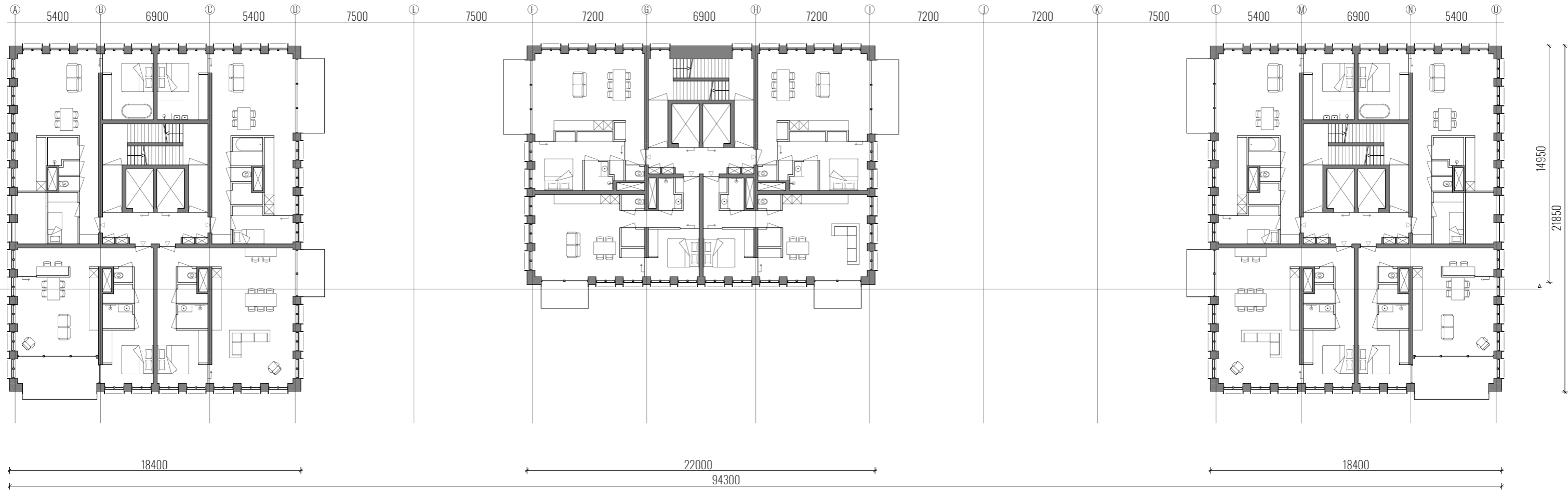
0 1 2 3 4 5 M

Verdieping 2 (P + 8980 MM)

Live/work-building - Design - floor plan 2nd floor

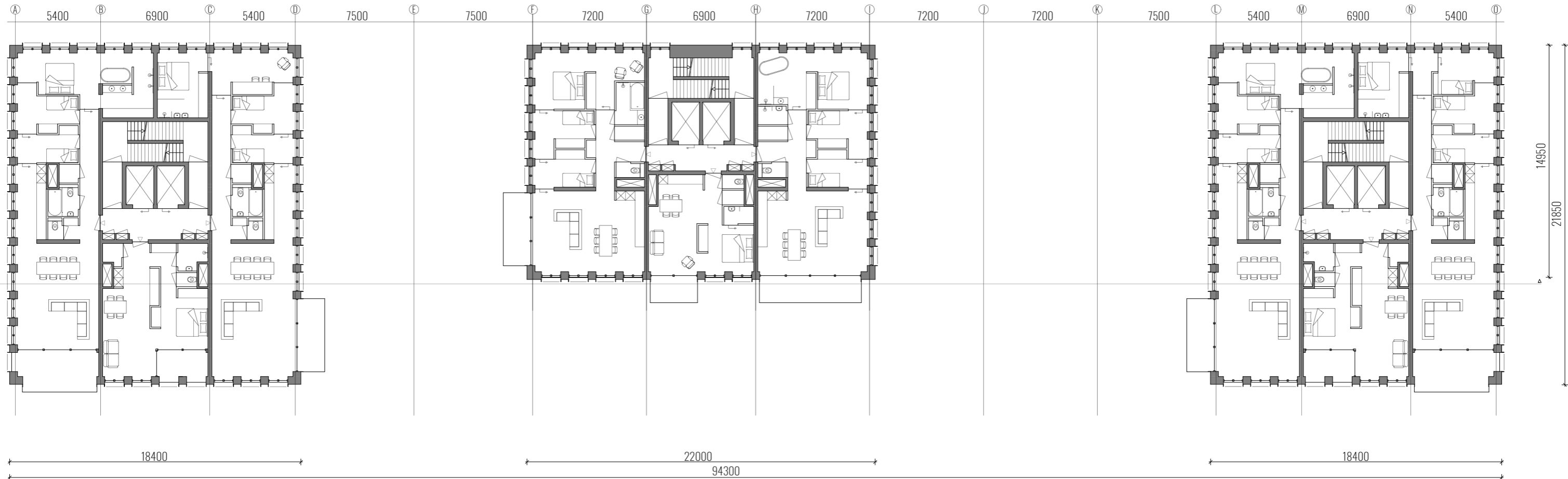


Verdieping 3 (P + 11340 MM)



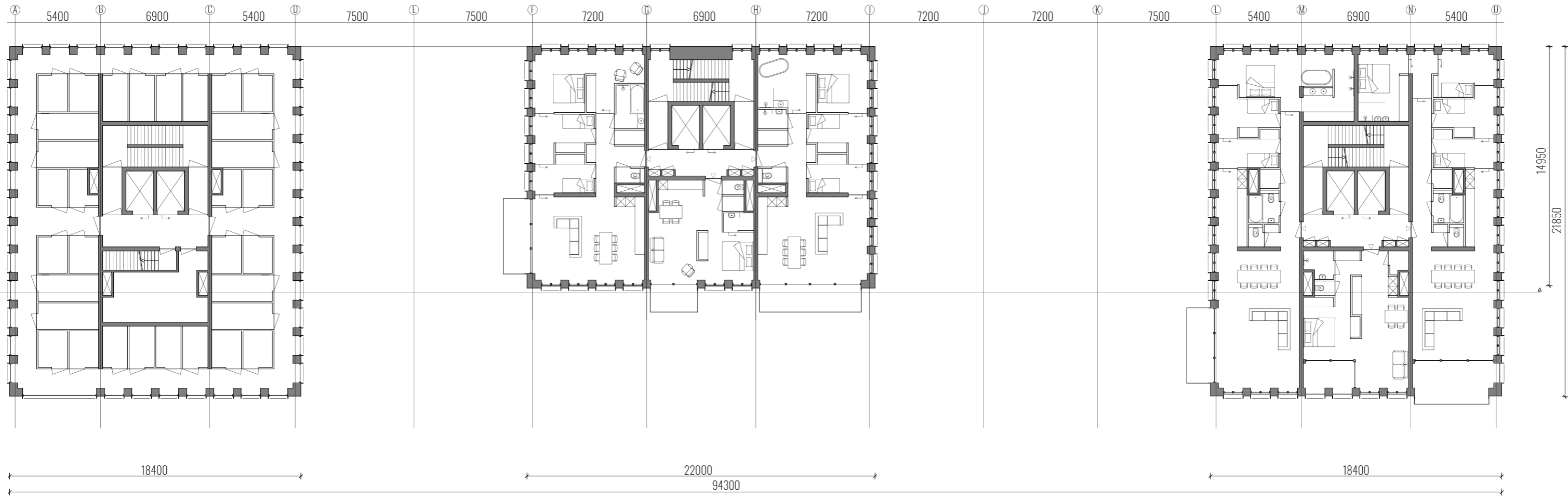
Verdieping 4 (P + 15760 MM)
 Verdieping 6 (P + 21760 MM)
 Verdieping 8 (P + 27760 MM)


Live/work-building - Design - floor plan 4th, 6th, and 8th floor



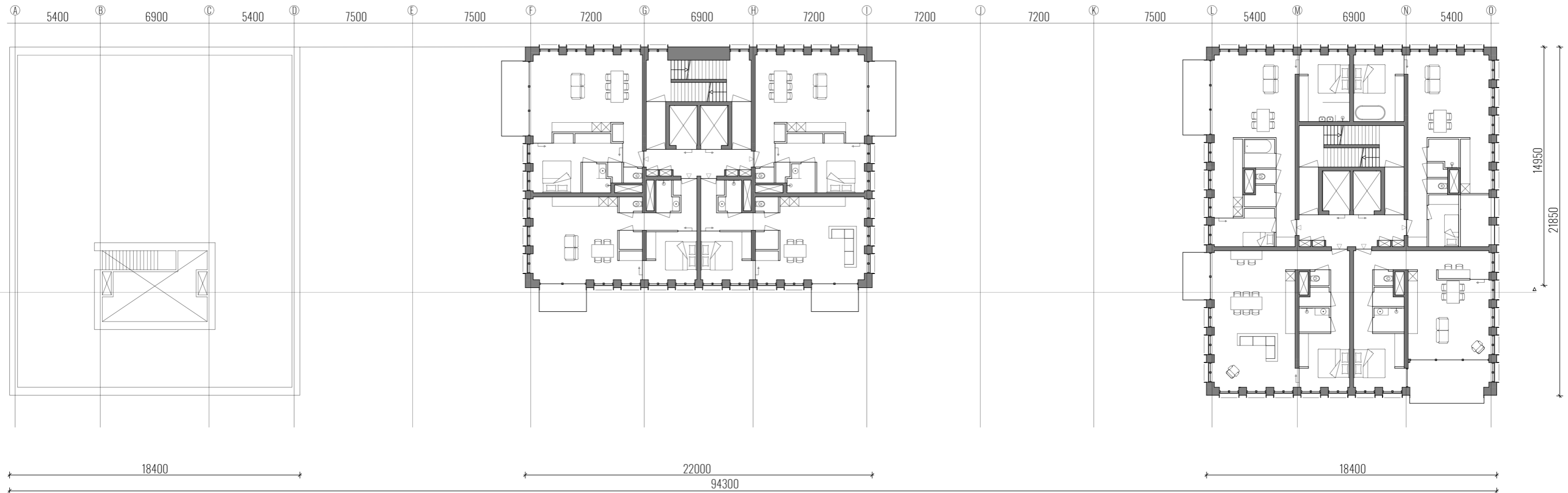
Verdieping 5 (P + 18760 MM)
 Verdieping 7 (P + 24760 MM)

Live/work-building - Design - floor plan 5th, and 7th floor

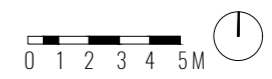
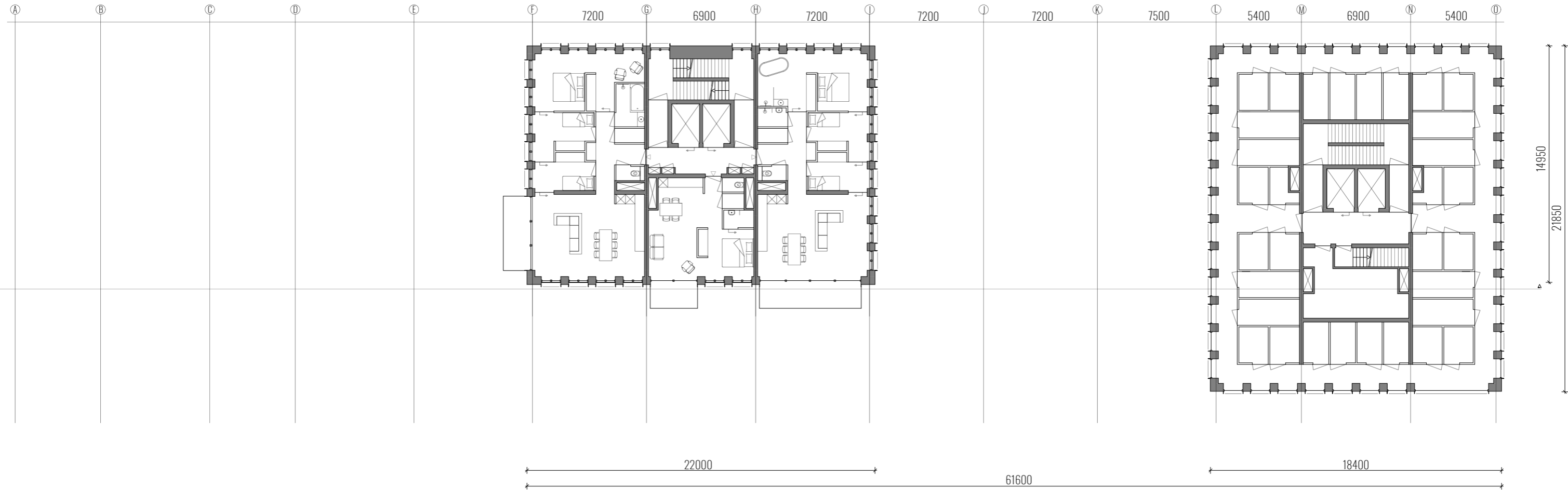


0 1 2 3 4 5 M 

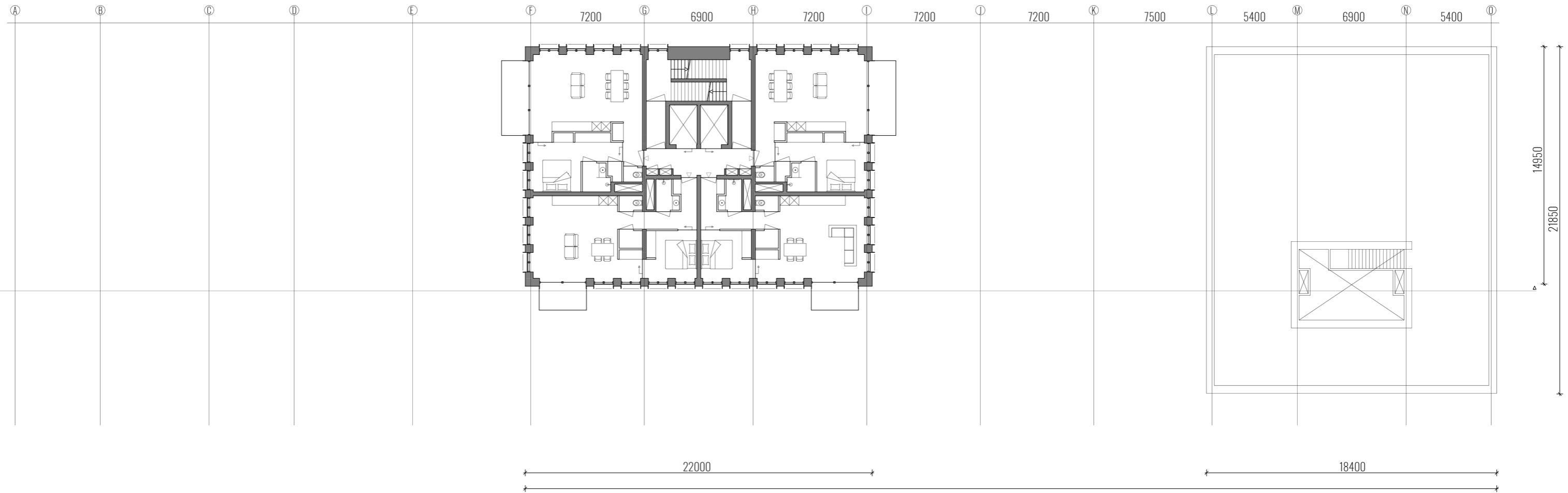
Verdieping 9 (P + 30760 MM)



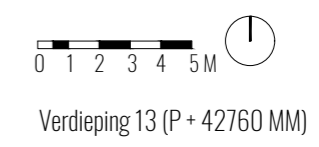
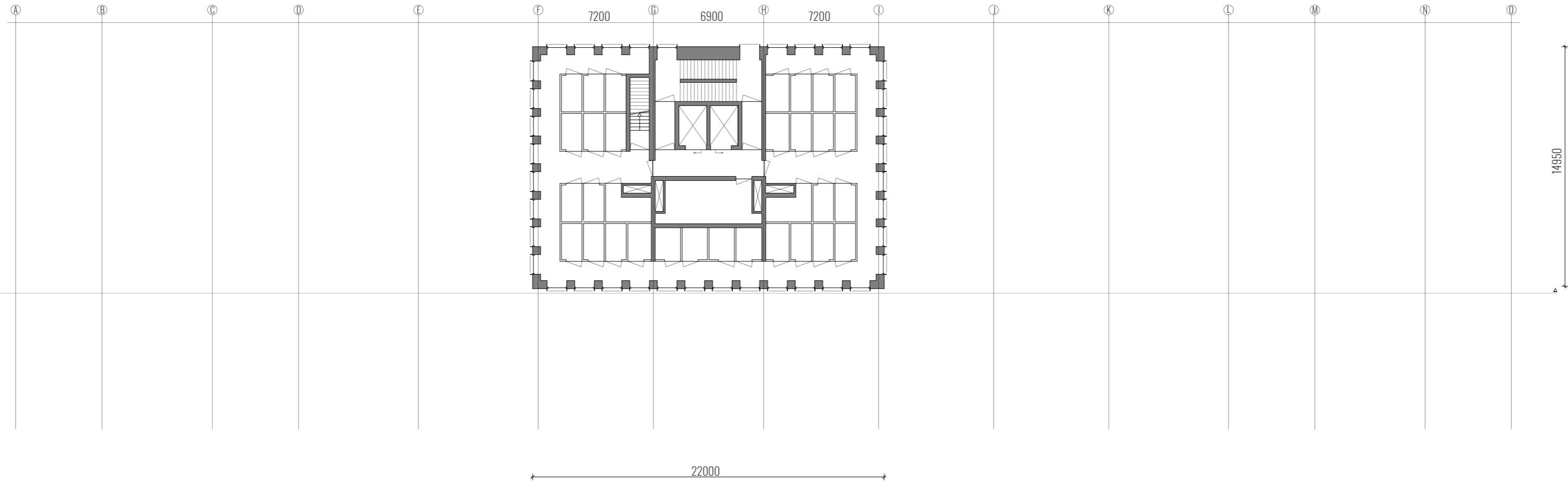
Verdieping 10 (P + 33760 MM)



Verdieping 11 (P + 36760 MM)



Verdieping 12 (P + 39760 MM)





Design

Floor plans dwellings

Flexibility related to constructive walls

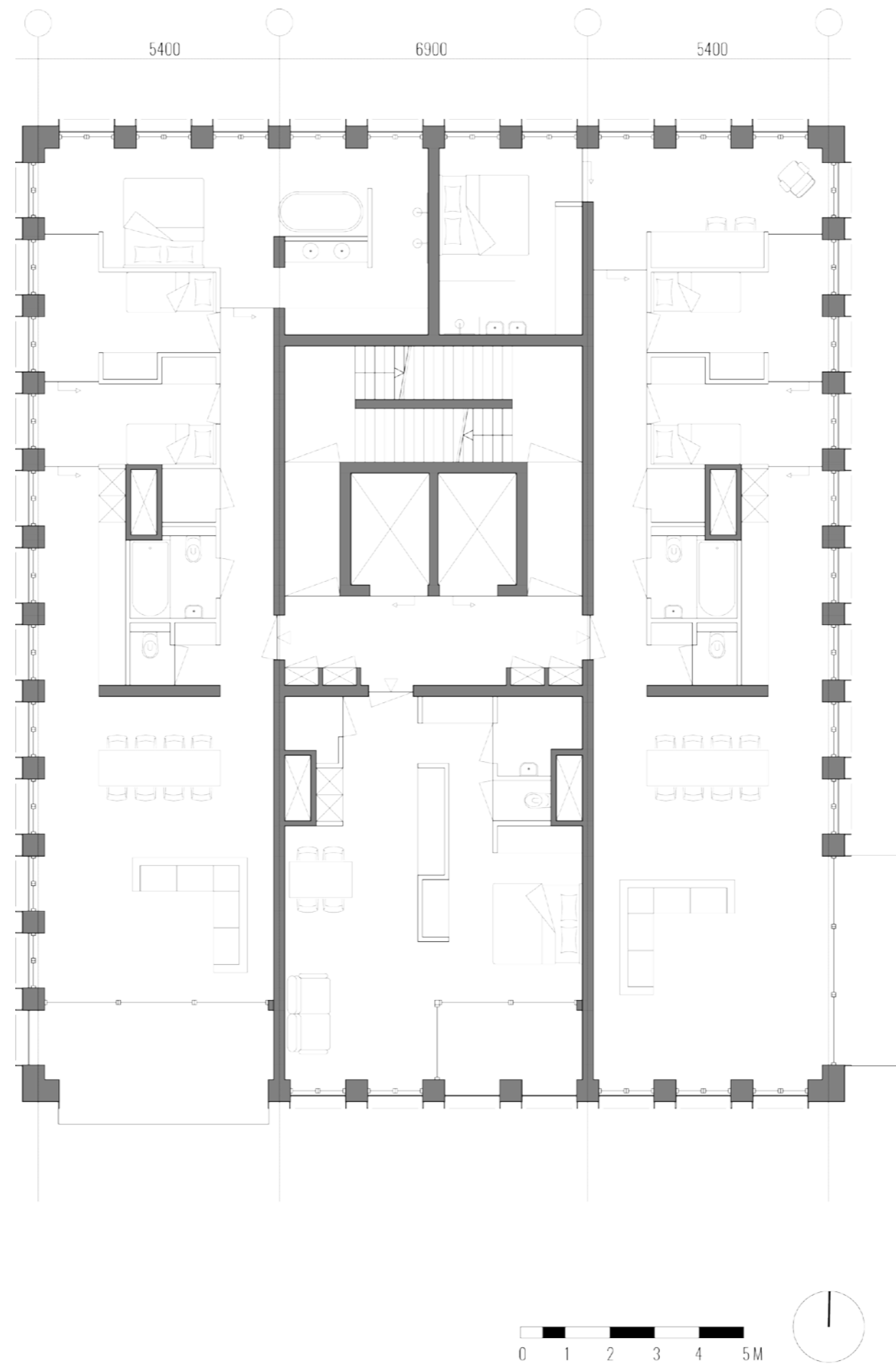
Flexibility related to use of space

Orientation of dwellings on the sun

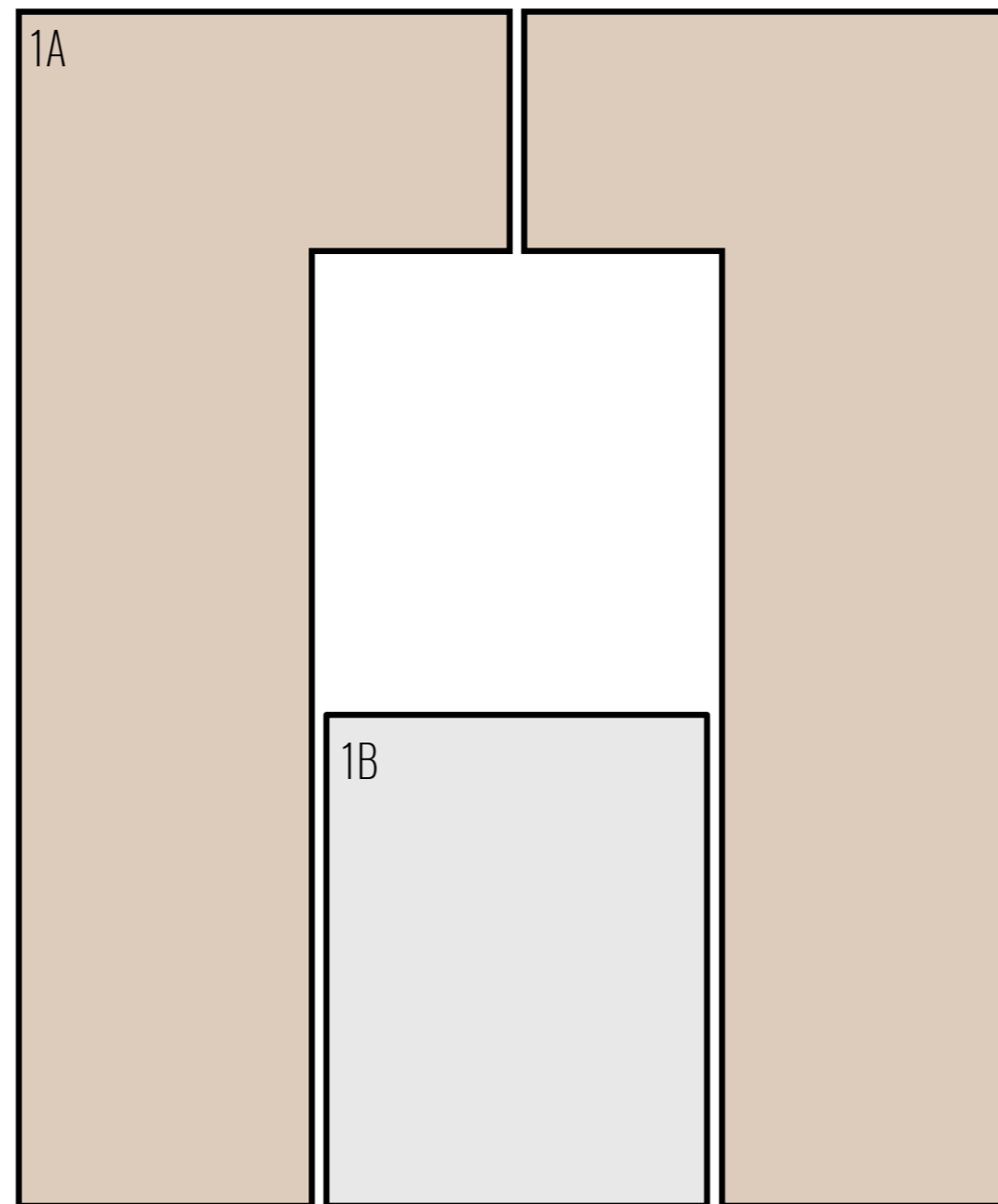
Two-sided orientation of living room

Fixed furniture

Sight-lines in the dwelling



Live/work-building - Design - *typical floor plan three dwellings*

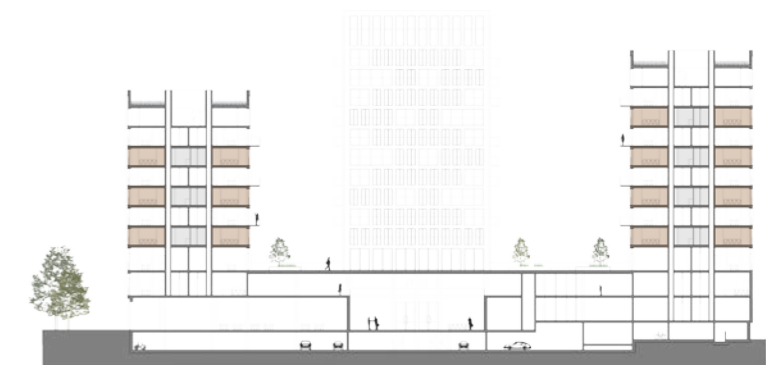


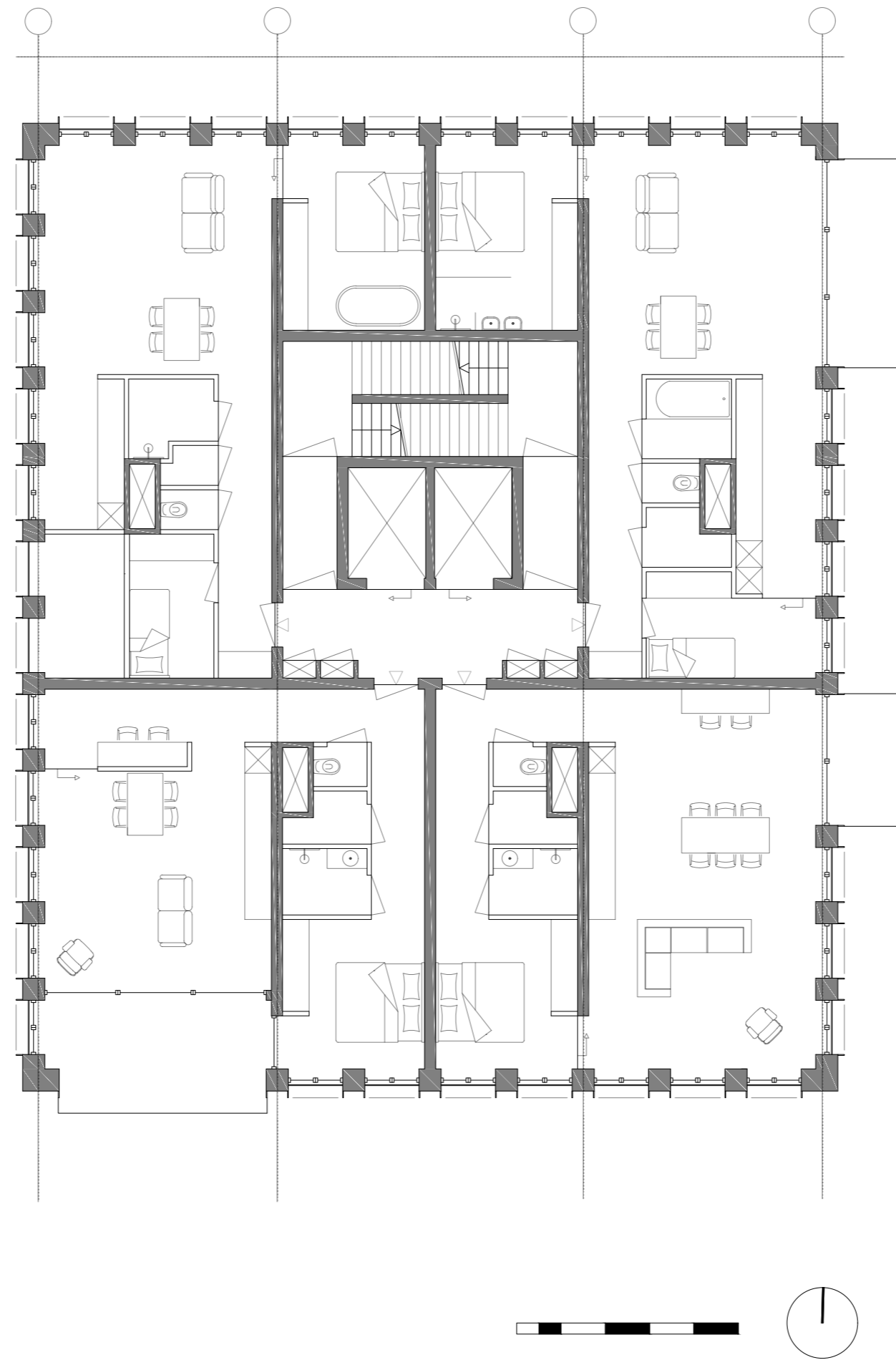
Type 1A: 4/5 personen
14 woningen

110 M² BVO + 12 M² loggia
120 M² BVO + 8 M² balkon

Type 1B: 1 persoon
7 woningen

49 M² BVO + 5 M² loggia





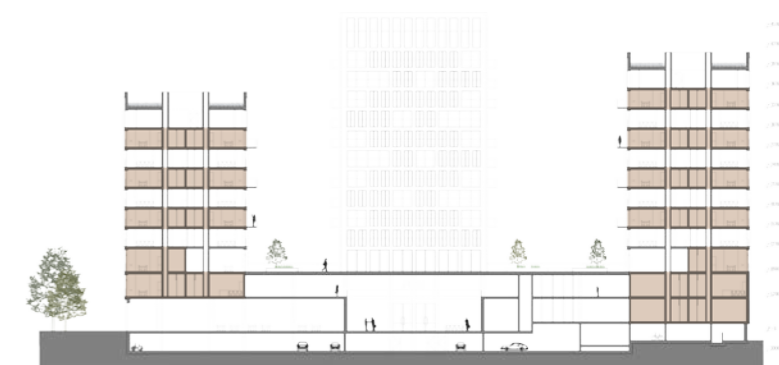
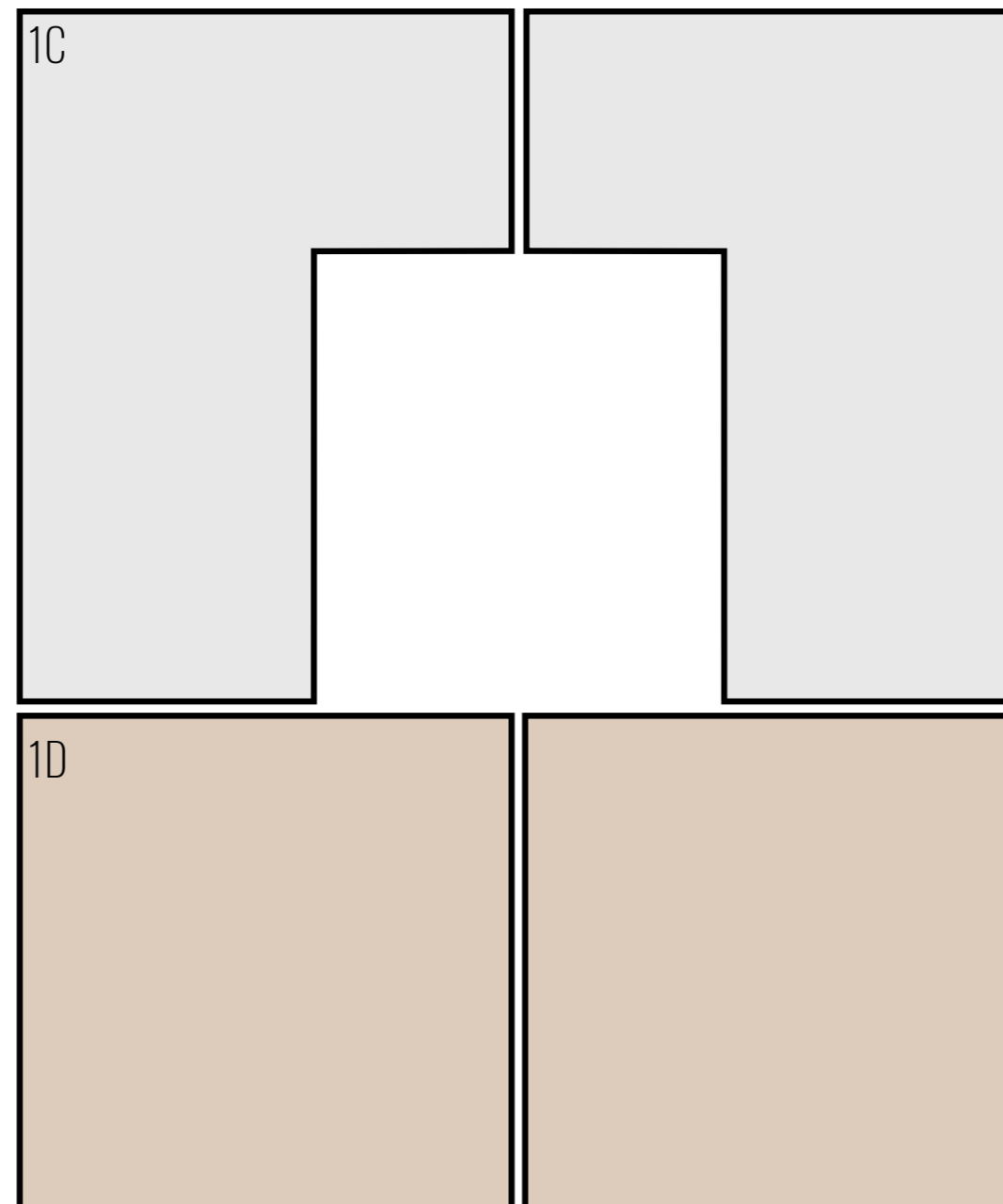
Live/work-building - Design - *typical floor plan four dwellings*

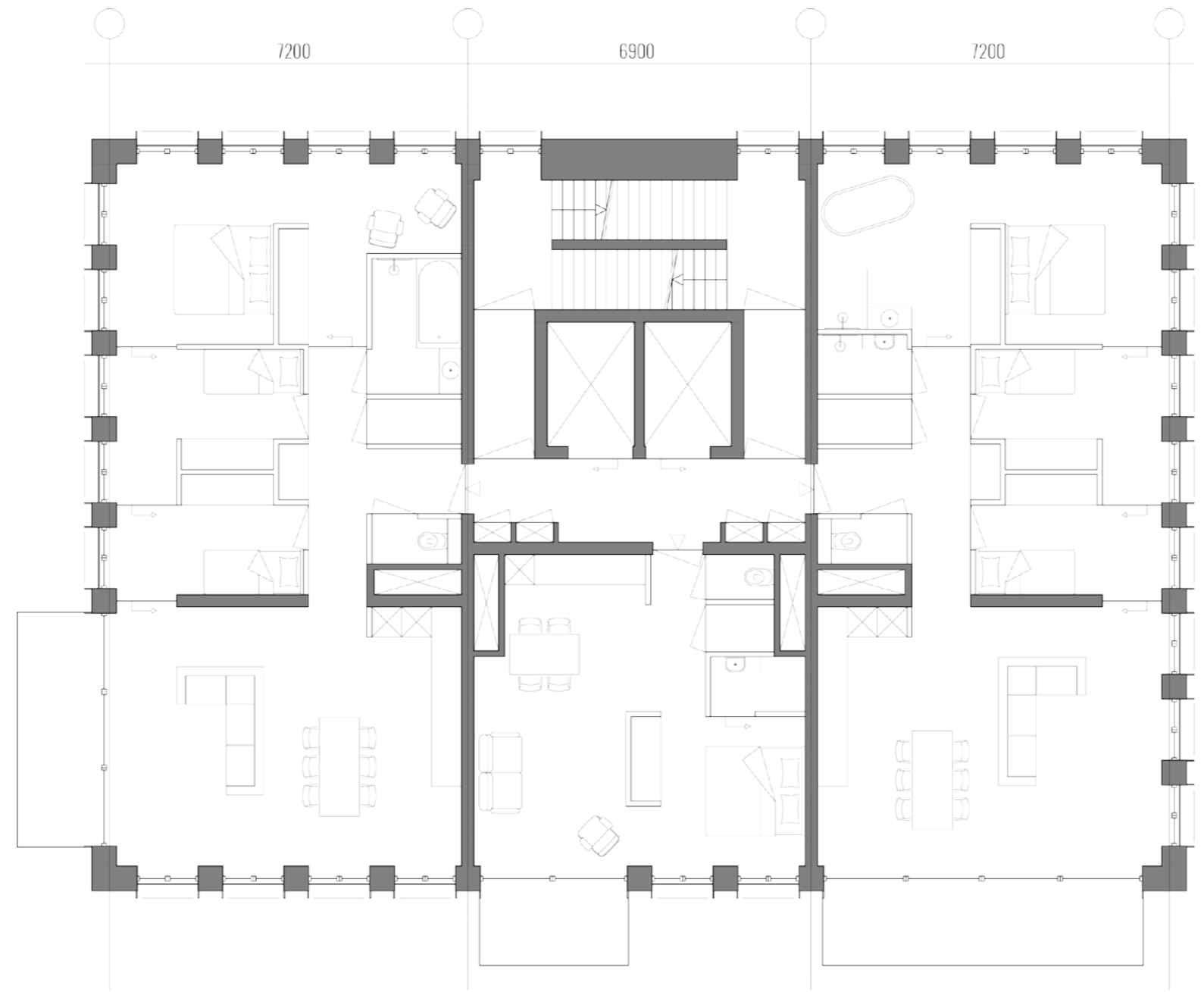
Type 1C: 2/3 personen
22 woningen

68 M² BVO + 5 M² loggia
75 M² BVO + 8 M² balkon

Type 1D: 2 persoon
16 woningen

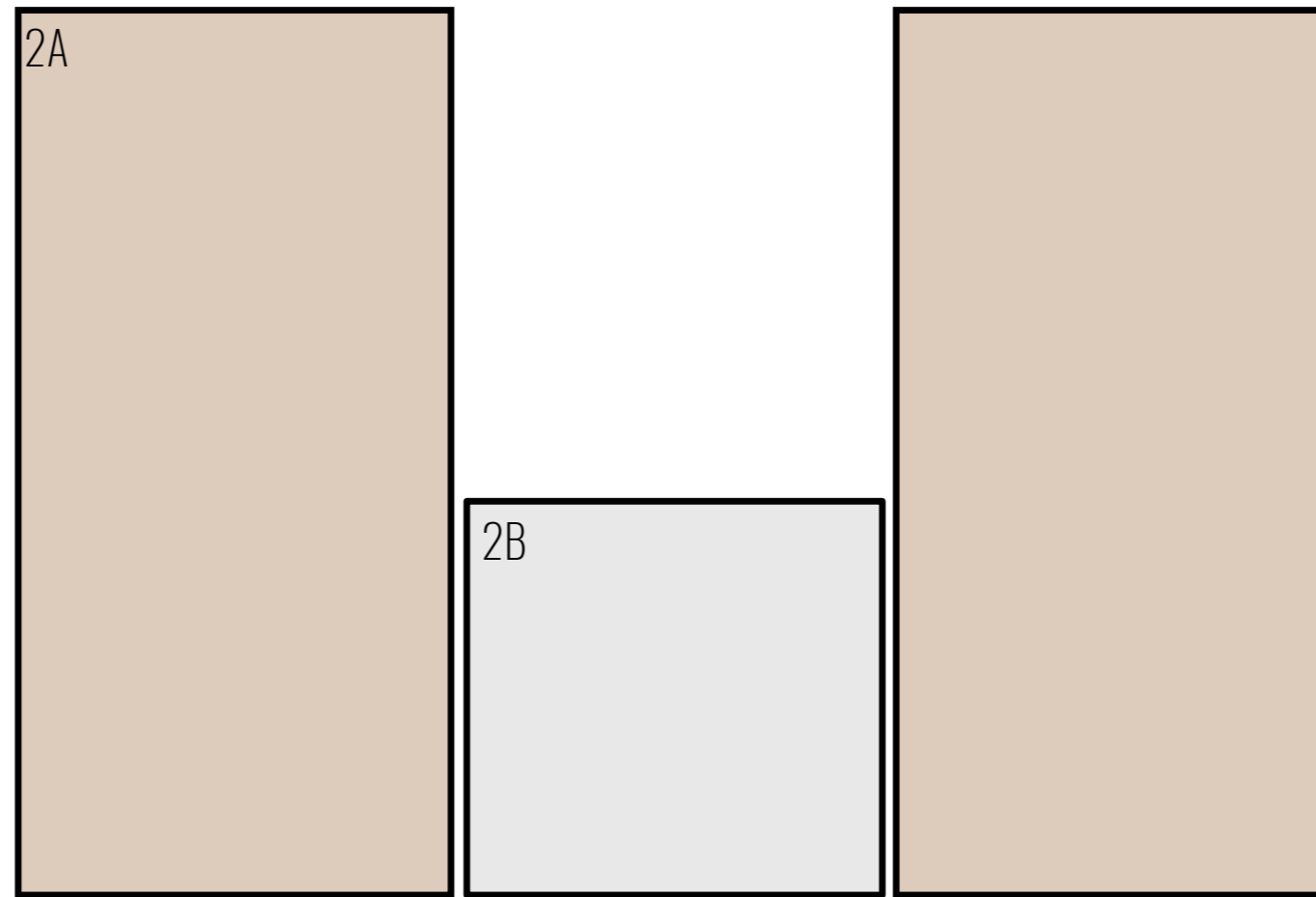
62 M² BVO + 12 M² loggia
73 M² BVO + 5 M² balkon





Live/work-building - Design - *typical floor plan three dwellings*



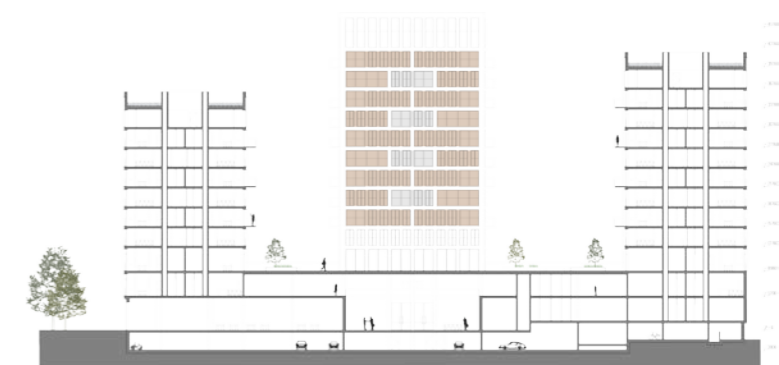


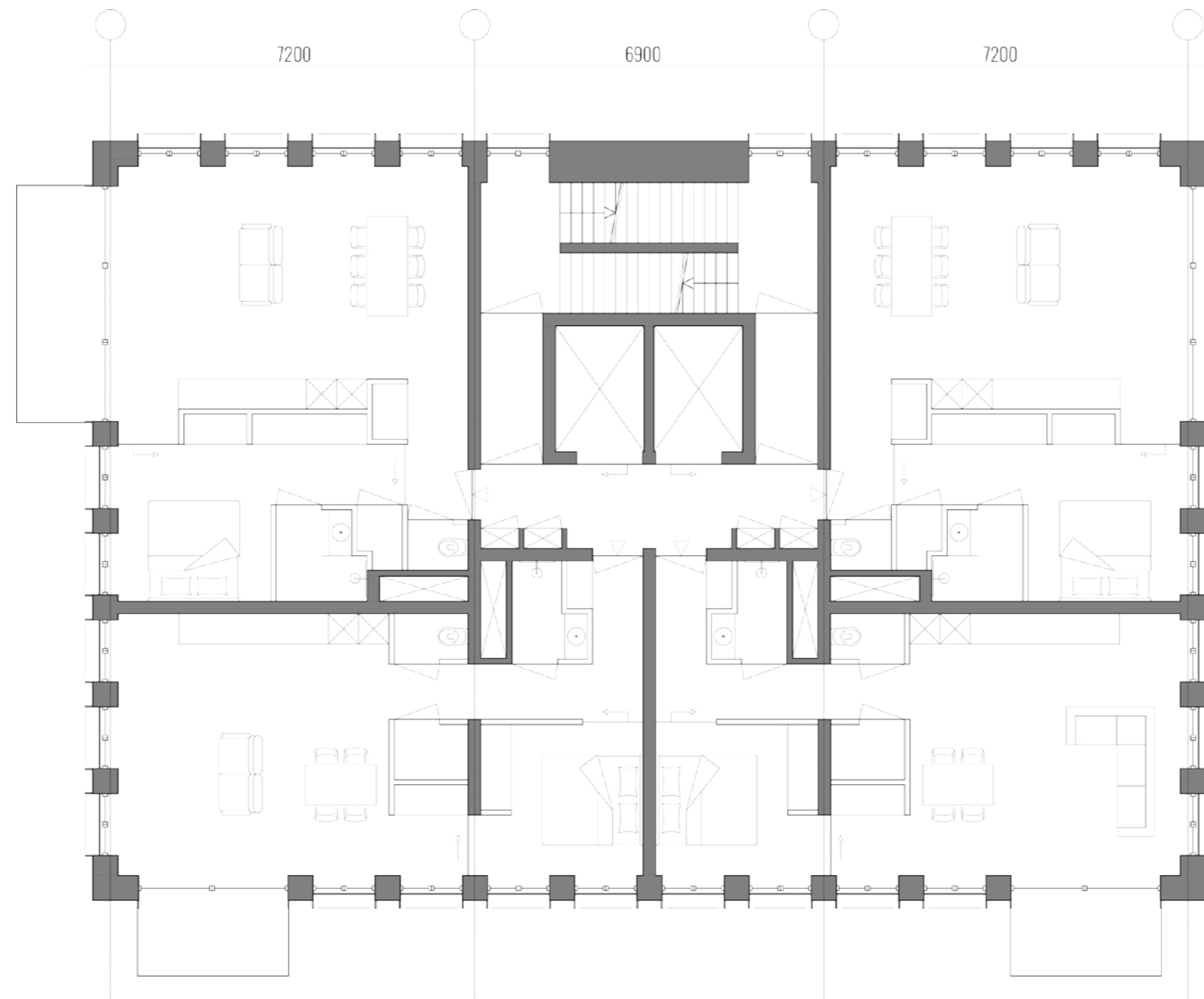
Type 2A: 4 personen
8 woningen

96 M² BVO + 8/10 M² balkon

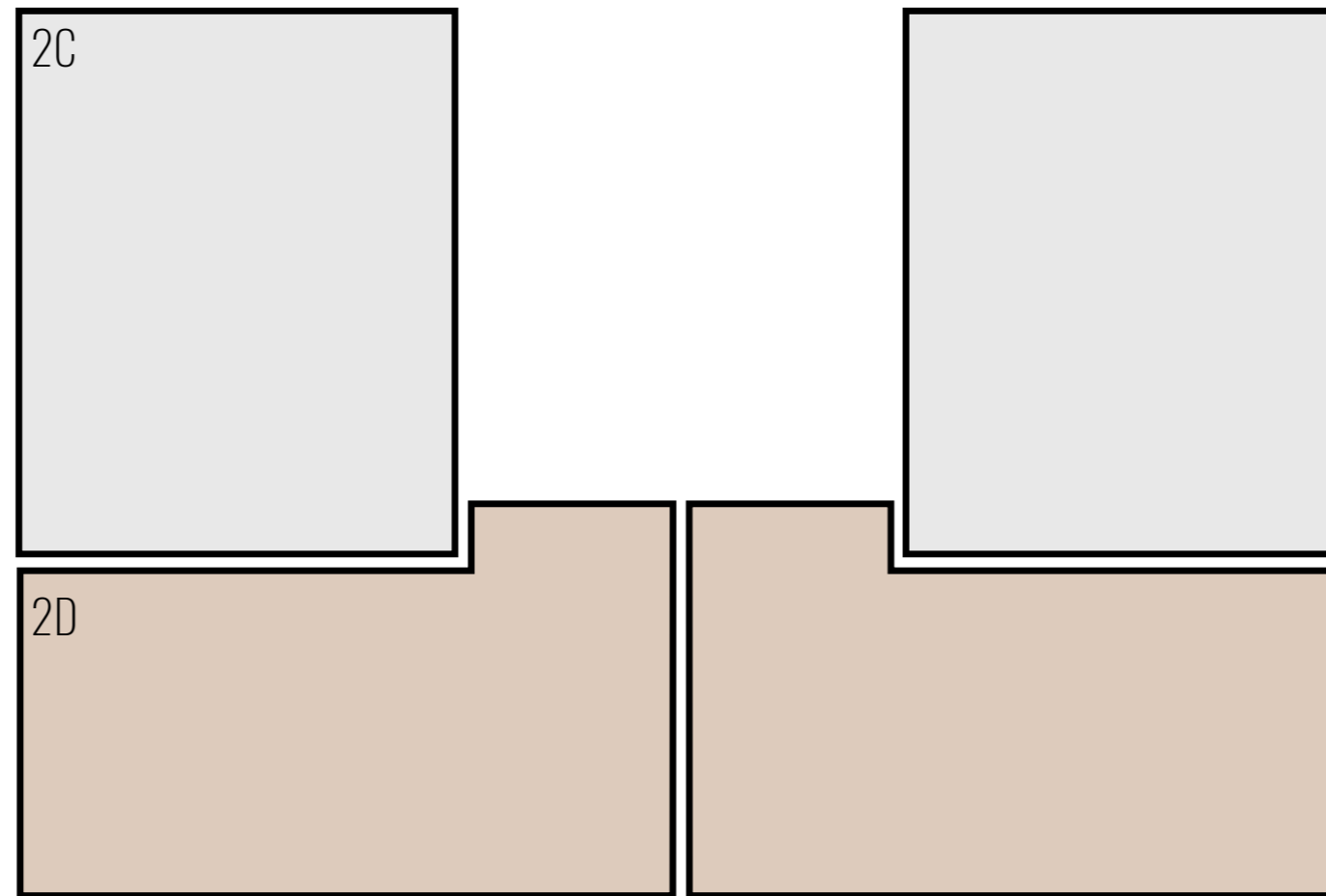
Type 2B: 1 persoon
4 woningen

39 M² BVO + 5 M² balkon





Live/work-building - Design - *typical floor plan four dwellings*

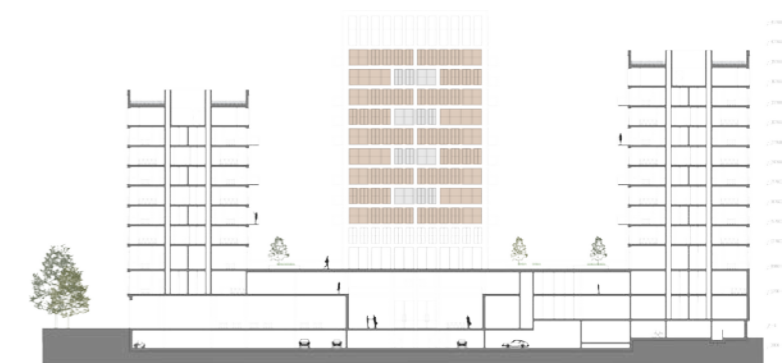


Type 2C: 2 personen
10 woningen

58 M² BVO + 8 M² balkon

Type 2D: 2 persoon
10 woningen

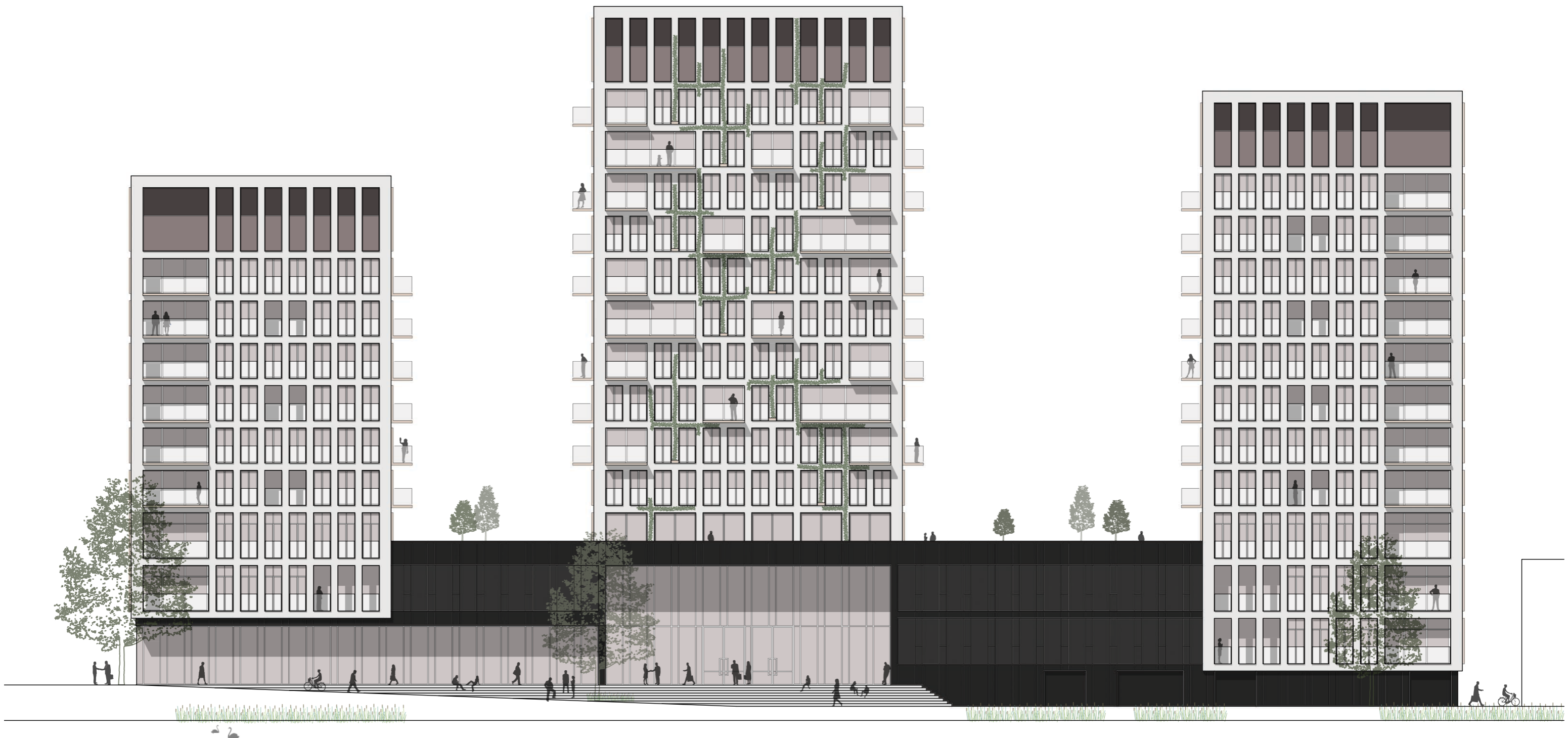
56 M² BVO + 5 M² balkon



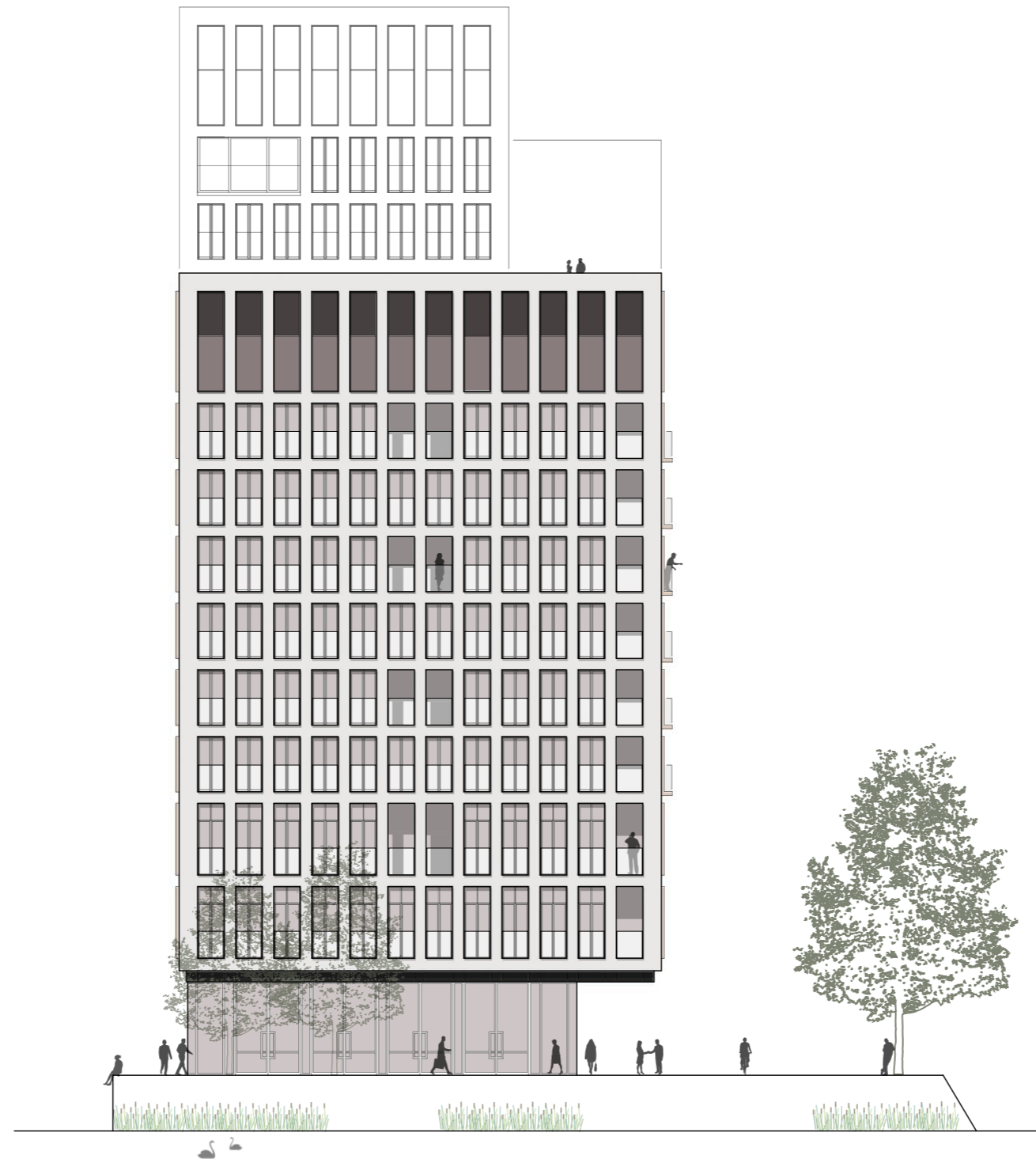


Design

Facades

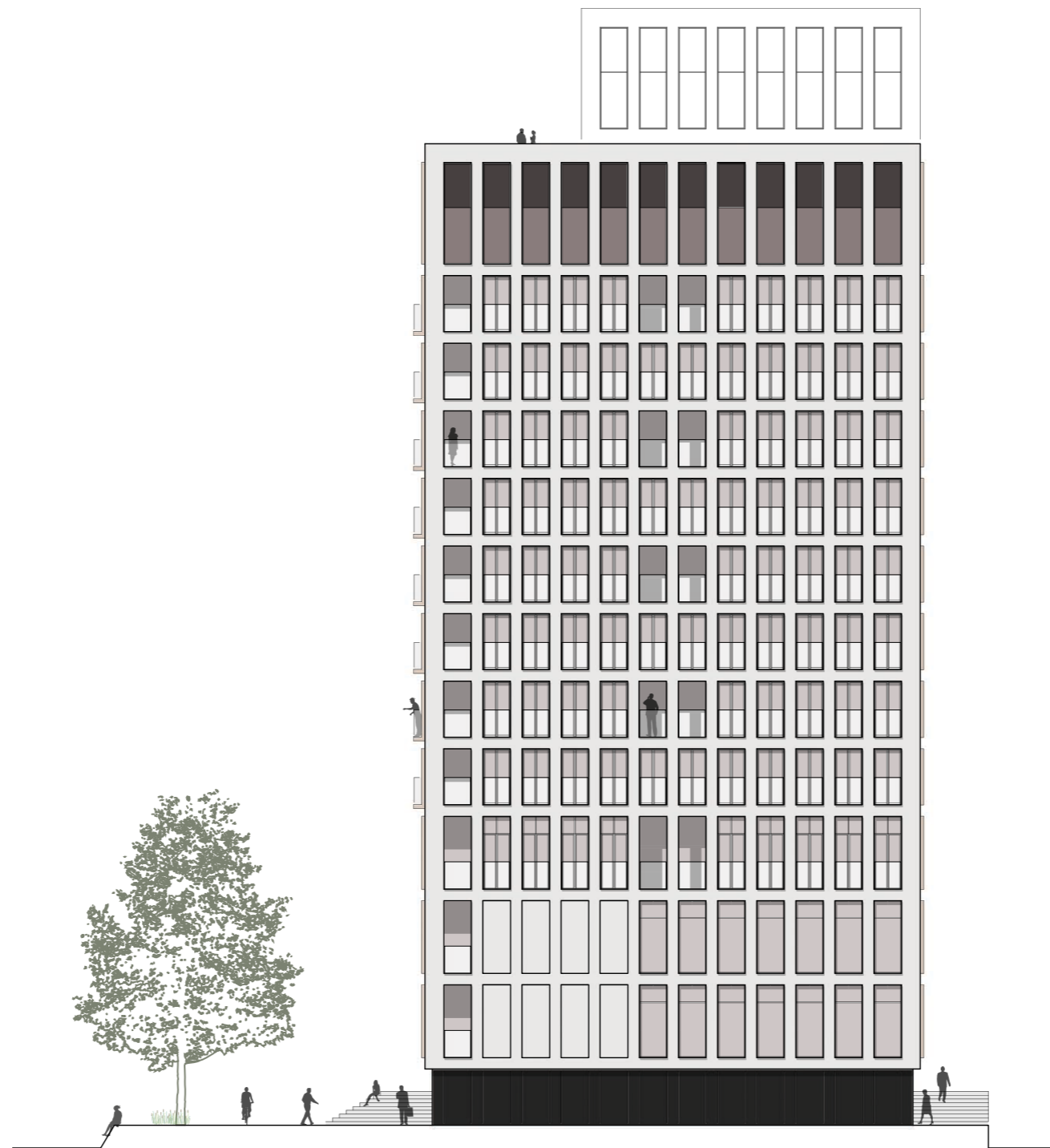


Live/work-building - Design - south facade

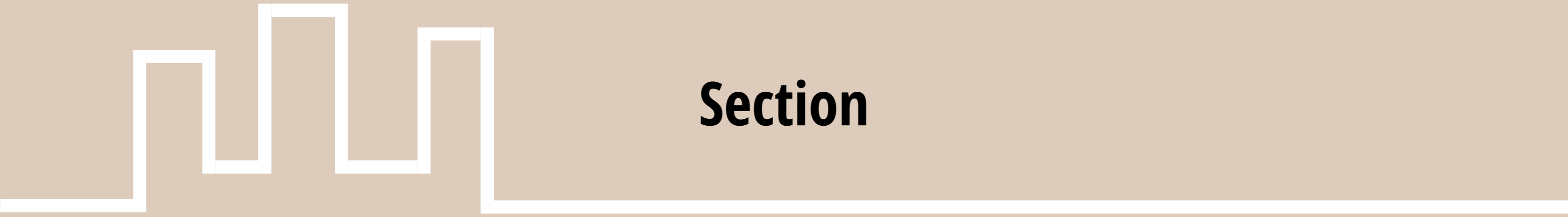




Live/work-building - Design - north facade



Live/work-building - Design - east facade



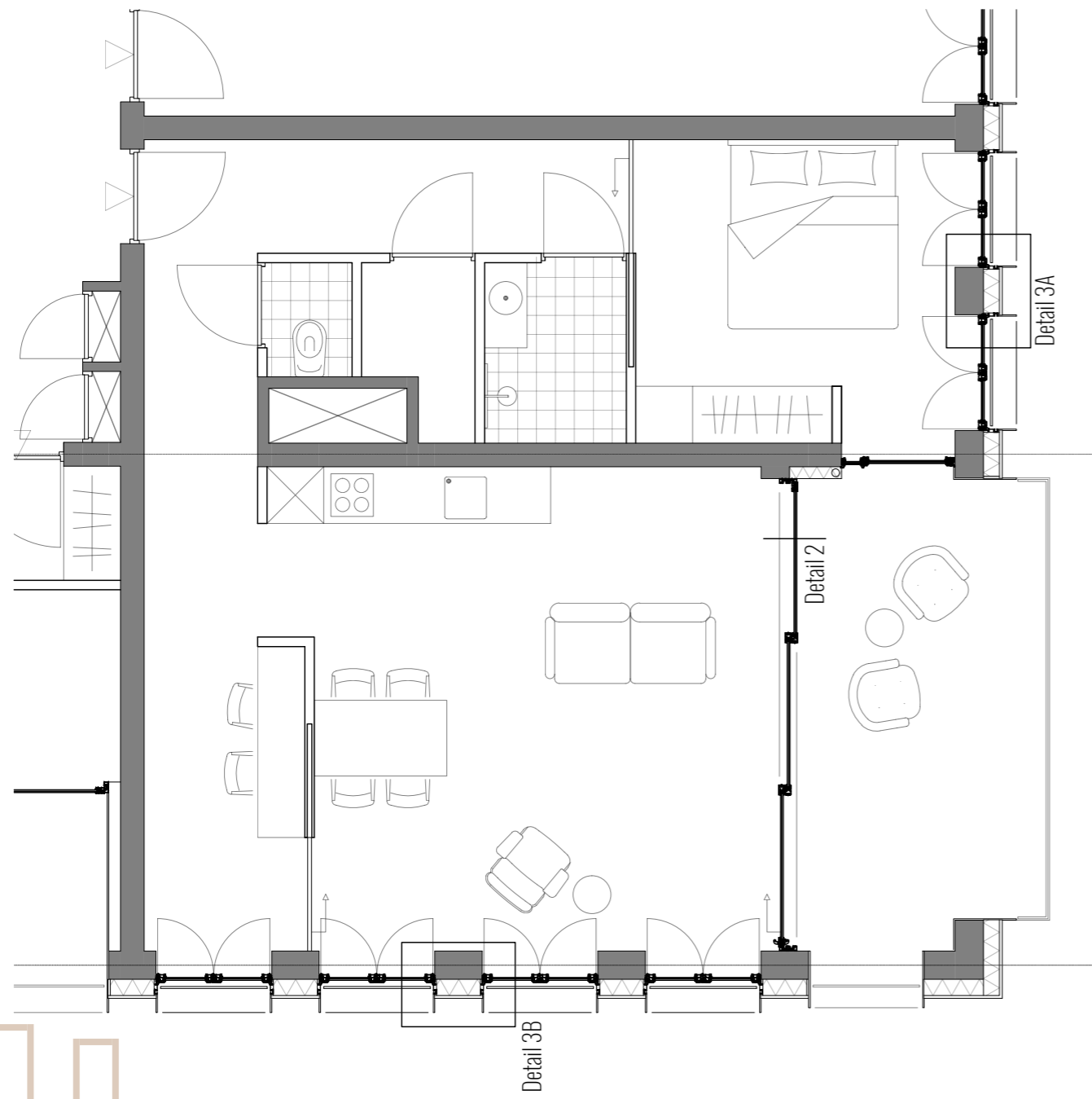
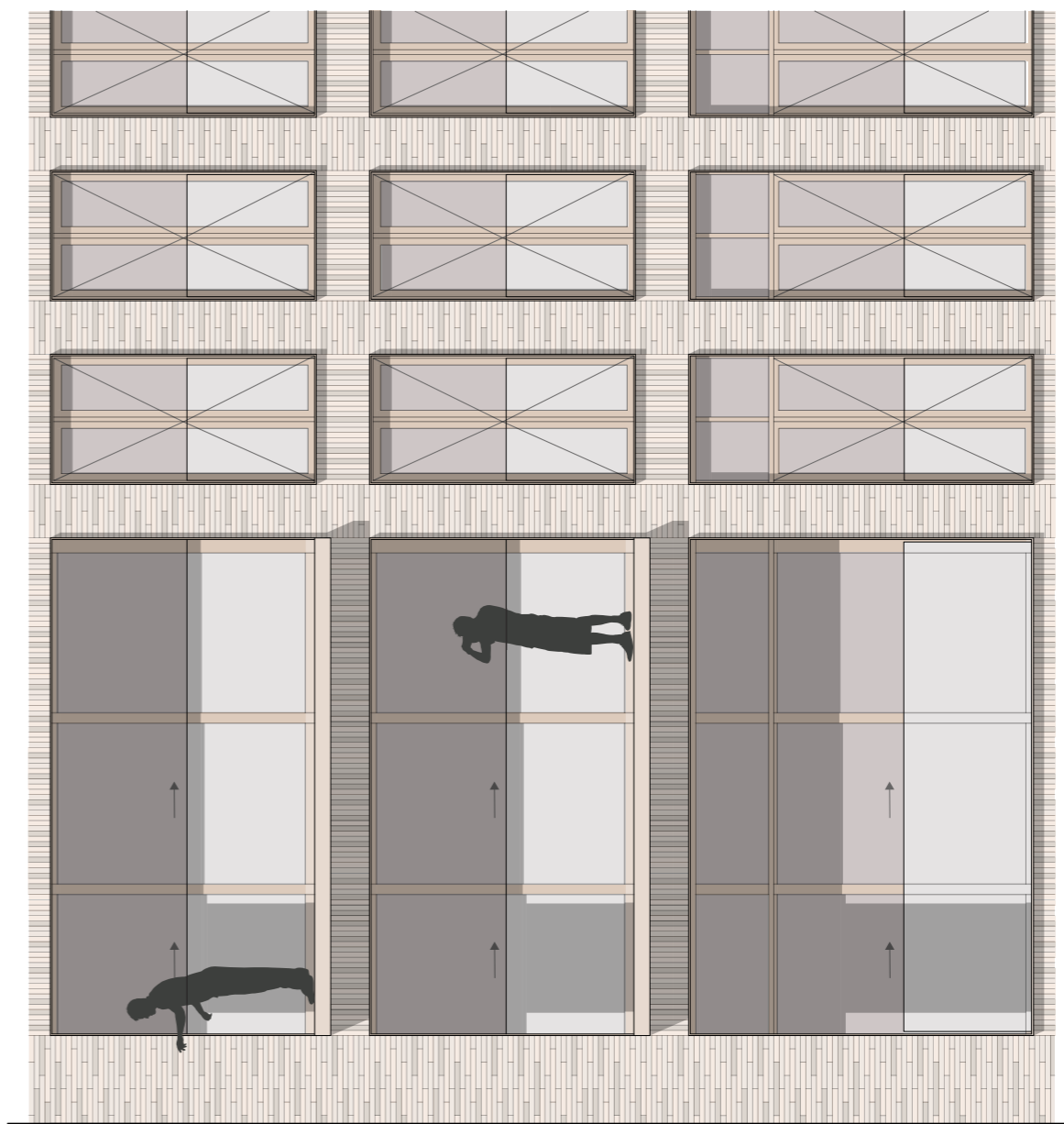
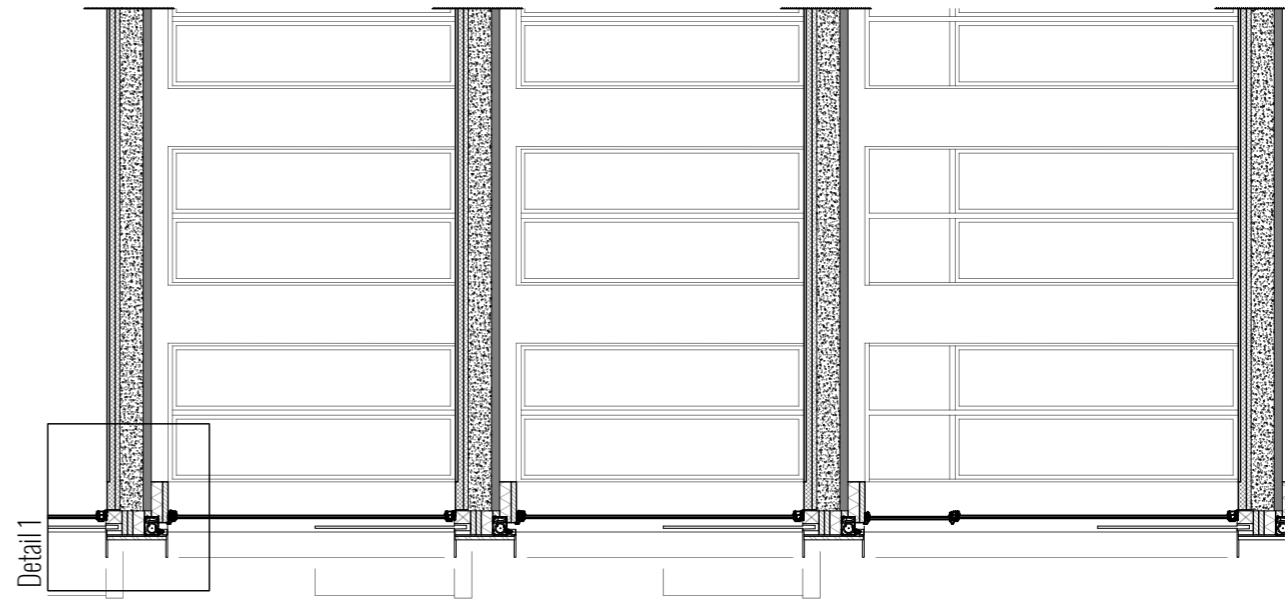
Section



Live/work-building - Section

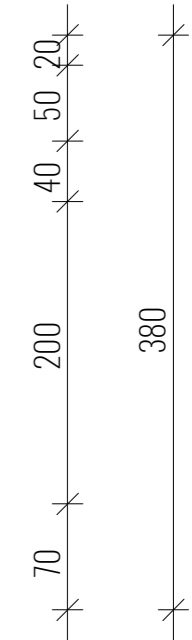
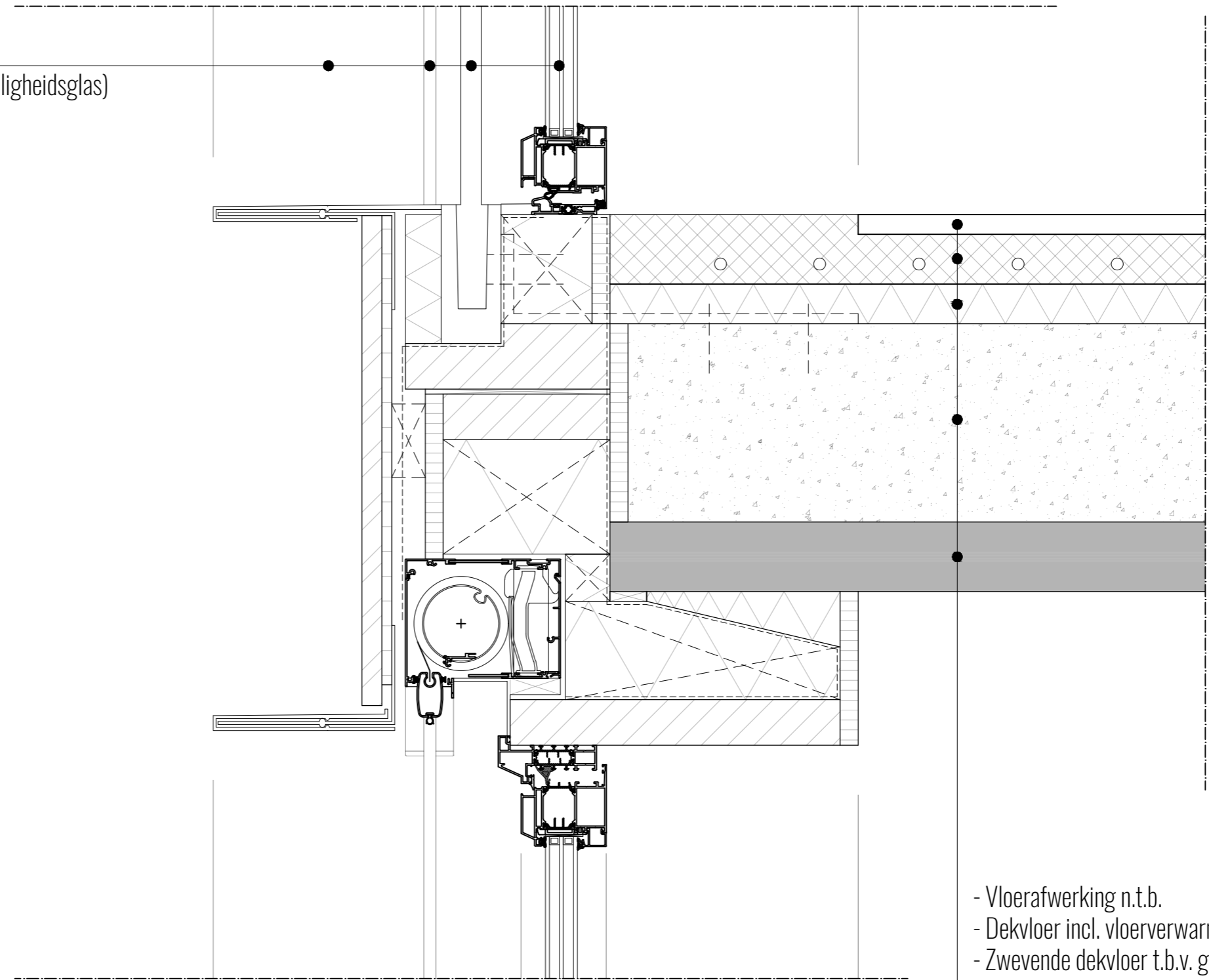
A white stepped line graphic on a light beige background. It starts with a horizontal line on the left, then rises vertically, followed by a horizontal segment, another vertical rise, a horizontal segment, a vertical rise to a higher level, a horizontal segment, a vertical drop, a horizontal segment, a vertical rise, a horizontal segment, a vertical drop, and finally a long horizontal line extending to the right.

Fragment and details

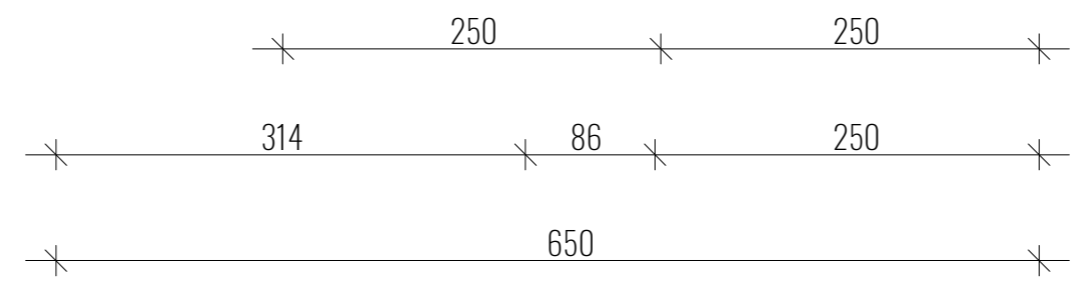


Live/work-building - Fragment

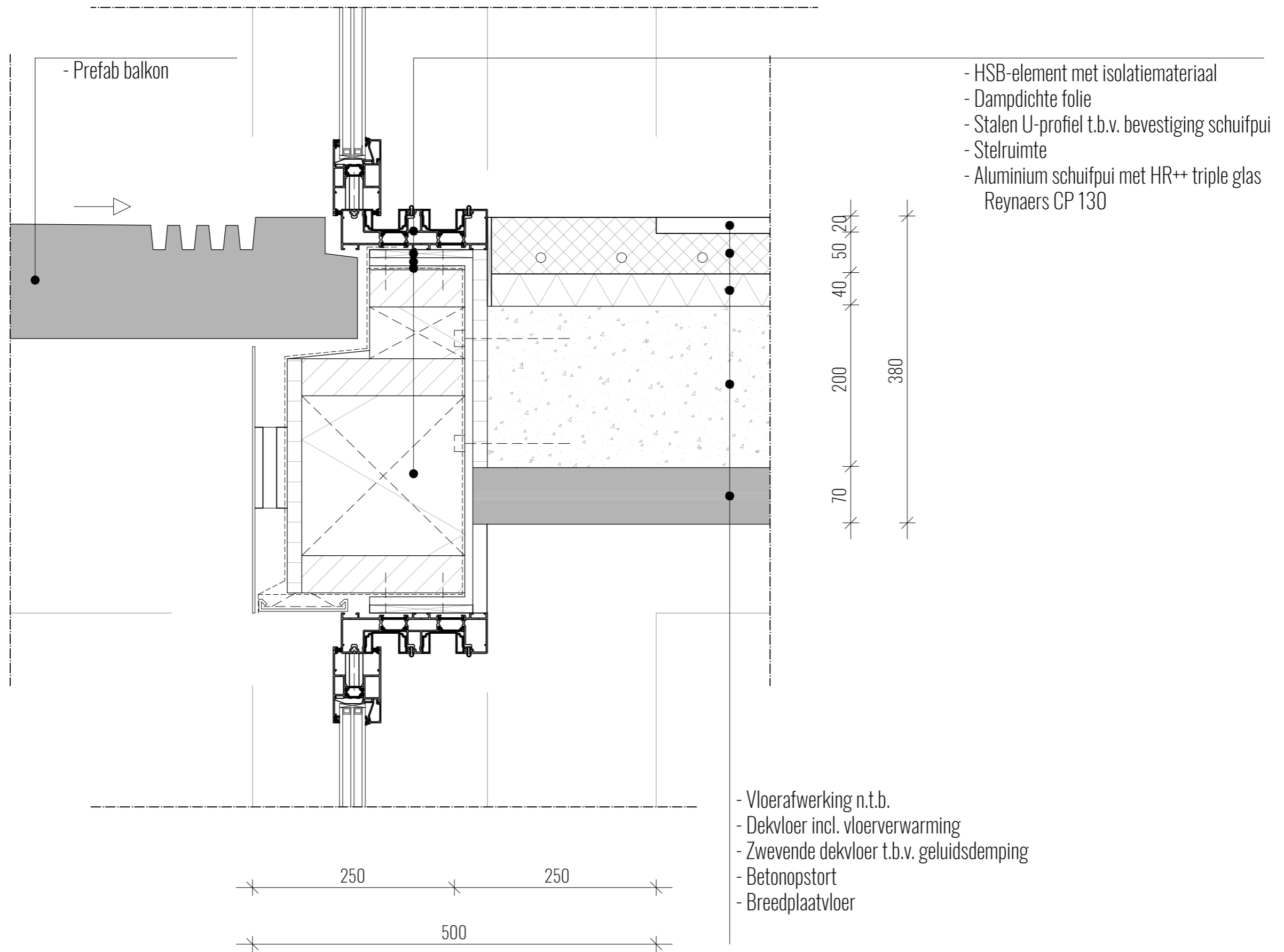
- Aluminium kozijn met HR++ triple glas (veiligheidsglas)
Reynaers SL 38
- Glasbalustrade
Storax Trans-level 60 (1,0 kN)
- Zonwering zijgeleider
Ducoscreen Top 120 FIX
- Aluminium kader



- Vloerafwerking n.t.b.
- Dekvloer incl. vloerverwarming
- Zwevende dekvloer t.b.v. geluidsdemping
- Betonopstort
- Breedplaatvloer

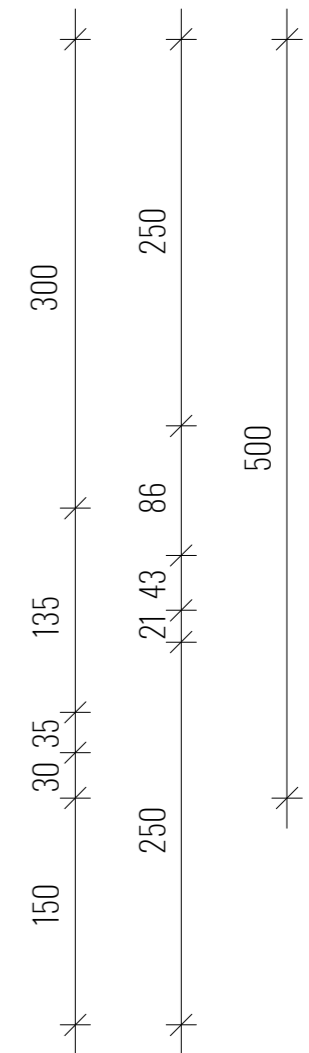
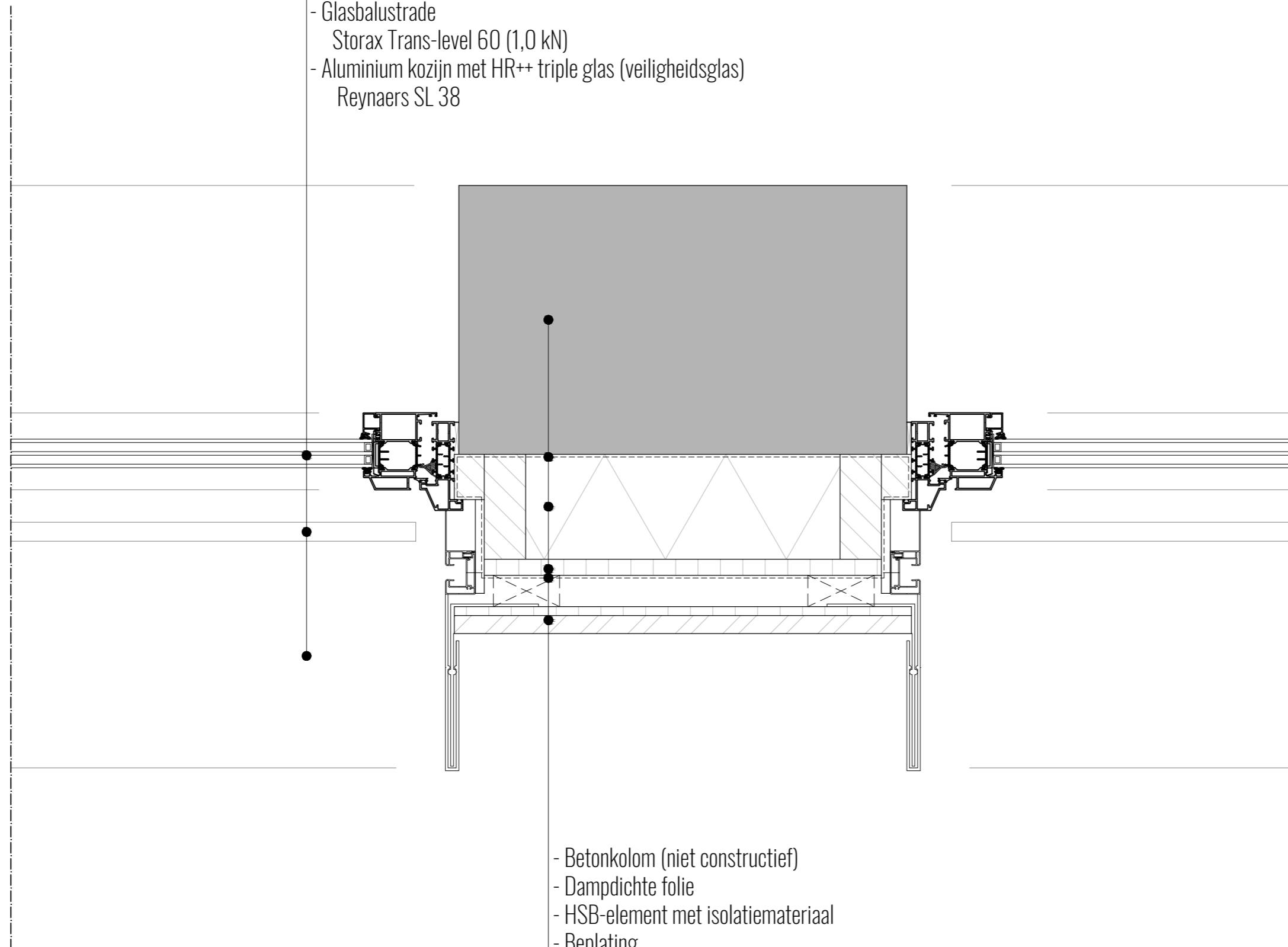


Live/work-building - Detail 1 (1 : 5) - typical vertical detail of the facade with the connection to the floor



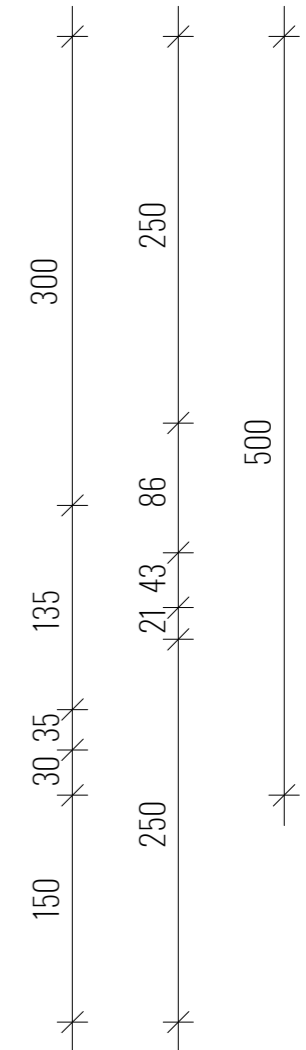
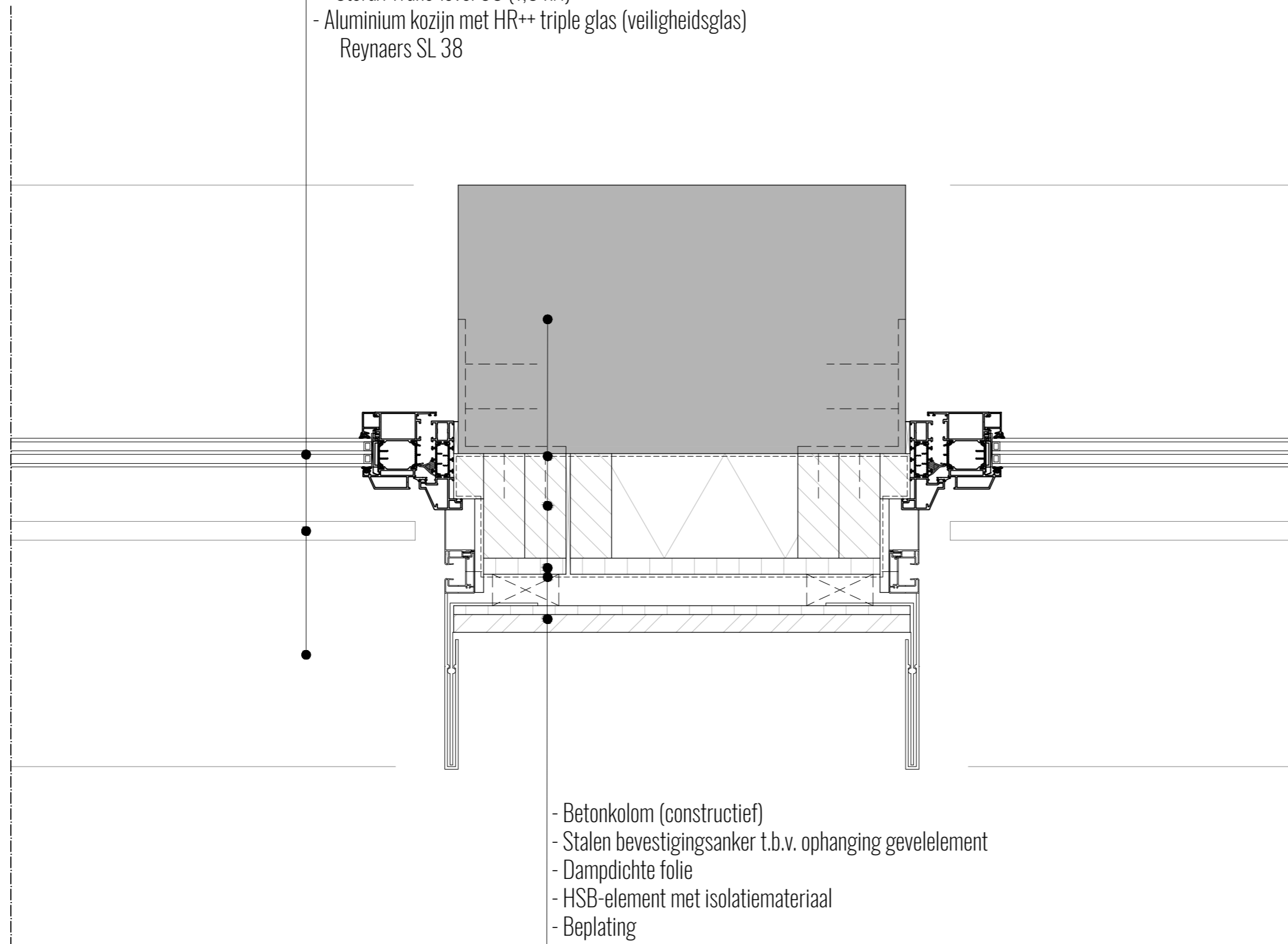
Live/work-building - Detail 2 (1 : 5) - vertical detail of the loggia with the connection of the sliding doors and balcony floor to the constructive floor

- Aluminium kader
- Glasbalustrade
Storax Trans-level 60 (1,0 kN)
- Aluminium kozijn met HR++ triple glas (veiligheidsglas)
Reynaers SL 38



- Betonkolom (niet constructief)
- Dampdichte folie
- HSB-element met isolatiemateriaal
- Beplating
- Damp open, waterkerende folie
- Bevestiging t.b.v. gevelafwerking
- Gevelafwerking (steenstrips op plaatmateriaal)

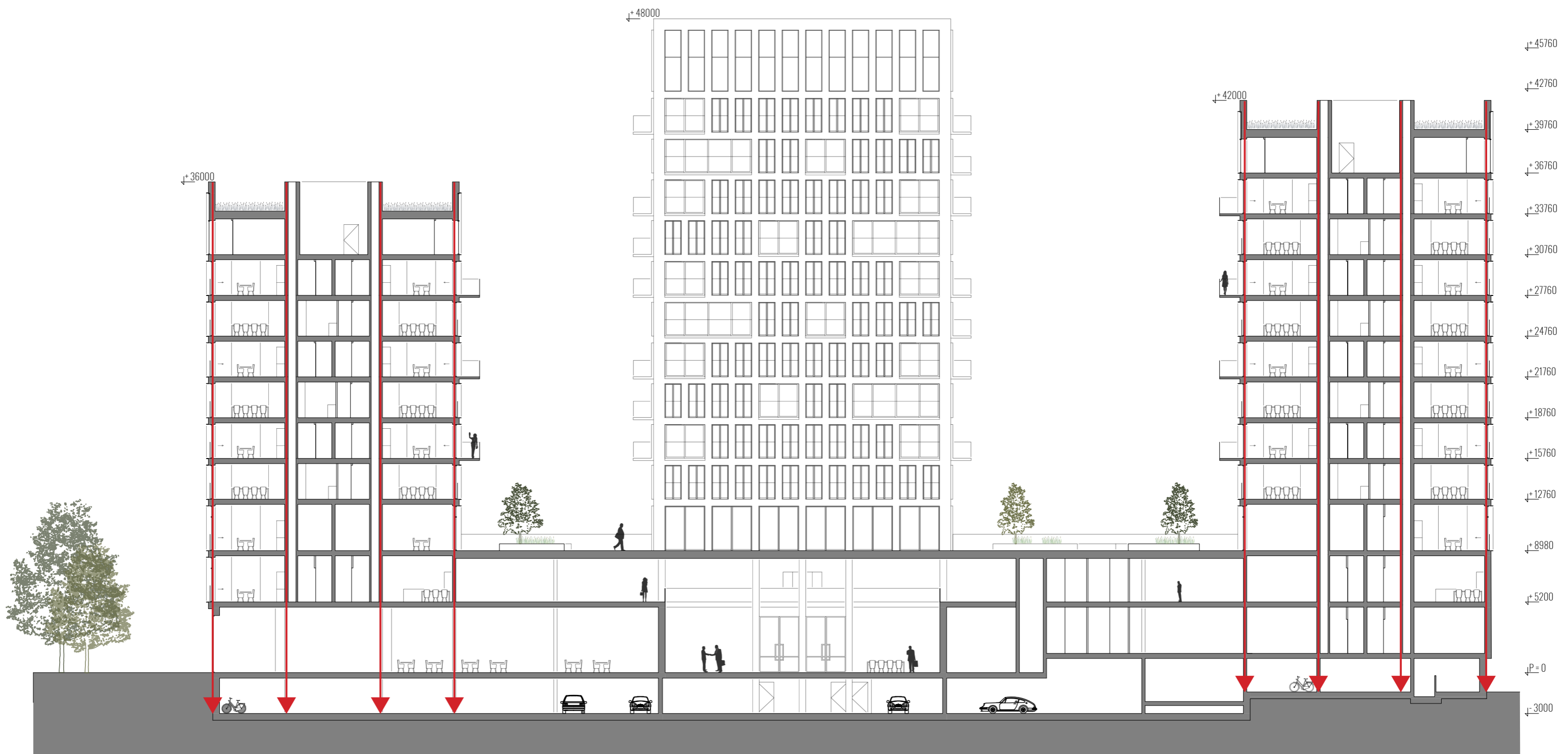
- Aluminium kader
- Glasbalustrade
Storax Trans-level 60 (1,0 kN)
- Aluminium kozijn met HR++ triple glas (veiligheidsglas)
Reynaers SL 38



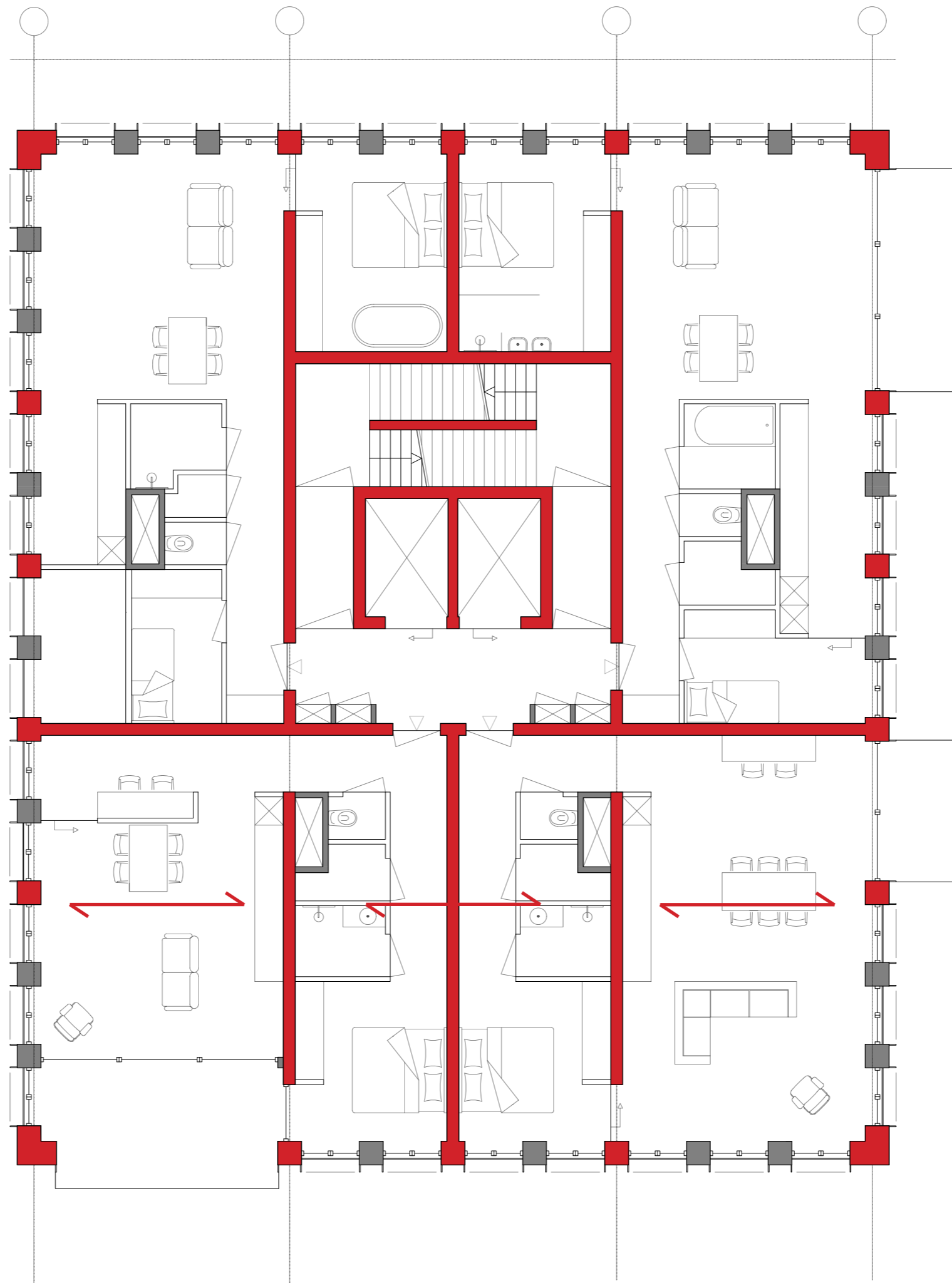
- Betonkolom (constructief)
- Stalen bevestigingsanker t.b.v. ophanging gevelelement
- Dampdichte folie
- HSB-element met isolatiemateriaal
- Beplating
- Damp open, waterkerende folie
- Bevestiging t.b.v. gevelafwerking
- Gevelafwerking (steenstrips op plaatmateriaal)



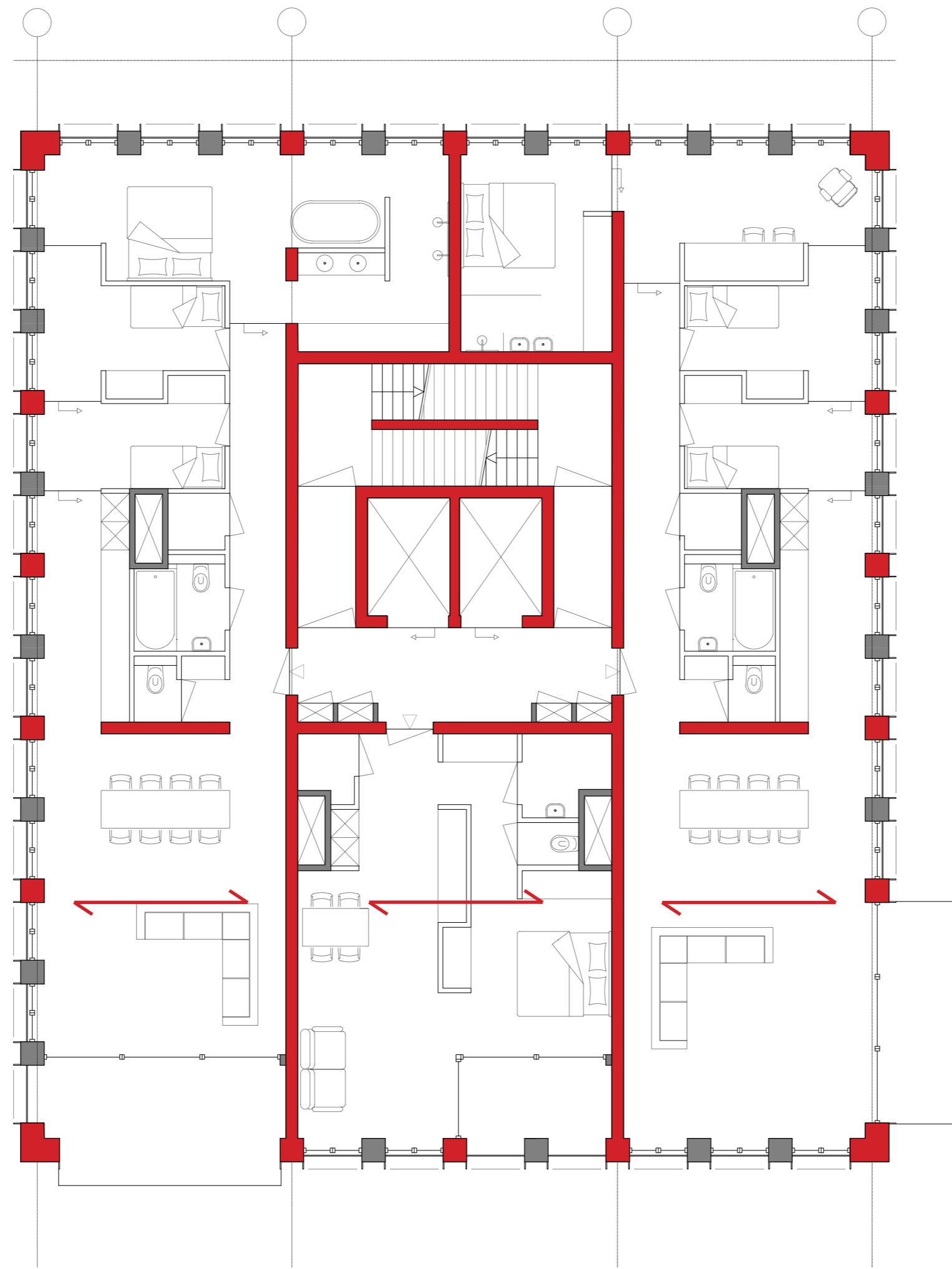
Construction



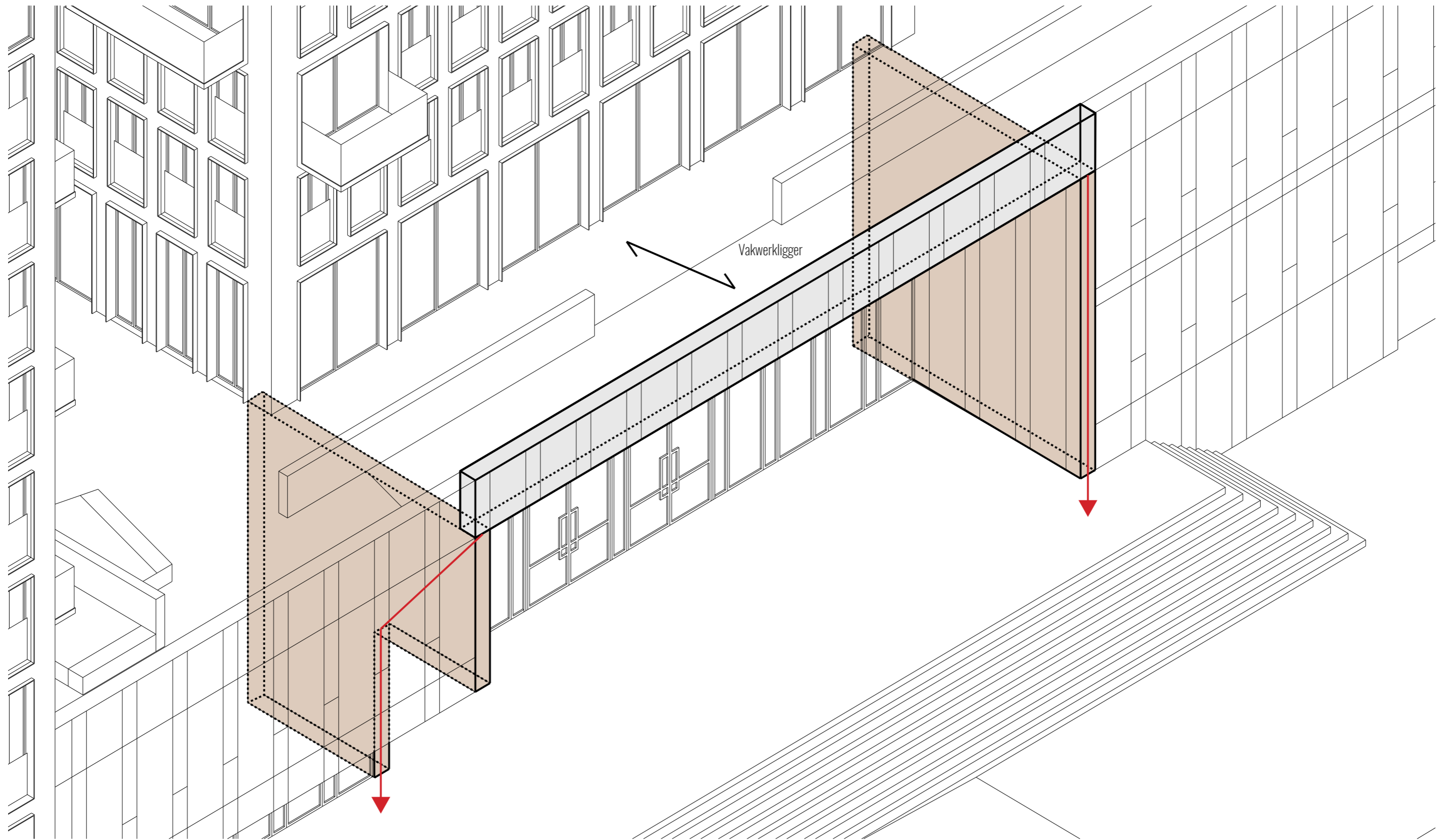
Live/work-building - Construction scheme



Live/work-building - Constructive walls of a typical floor plan with four dwellings



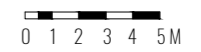
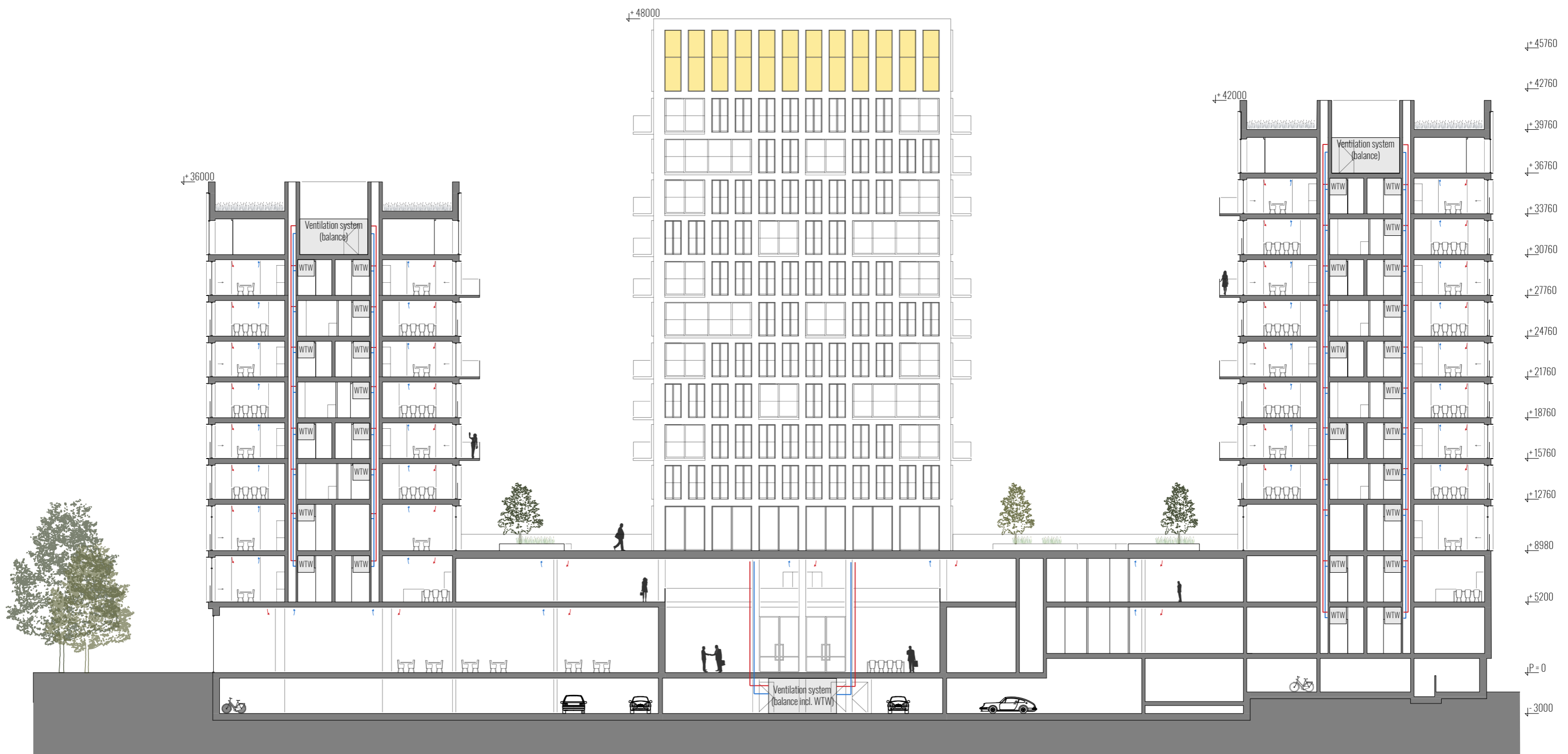
Live/work-building - Constructive walls of a typical floor plan with three dwellings



Live/work-building - Constructive solution roof entrance



Climate



Live/work-building - Climate - Ventilation system (balance incl. WTW-units)



0 1 2 3 4 5M

Live/work-building - Climate - Heating system



Impressions





Live/work-building - Impressions



Live/work-building - Impressions



