



live/work-building

Towards an efficient use of the city

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P5-presentation
Dutch Housing graduation studio
31-01-2019

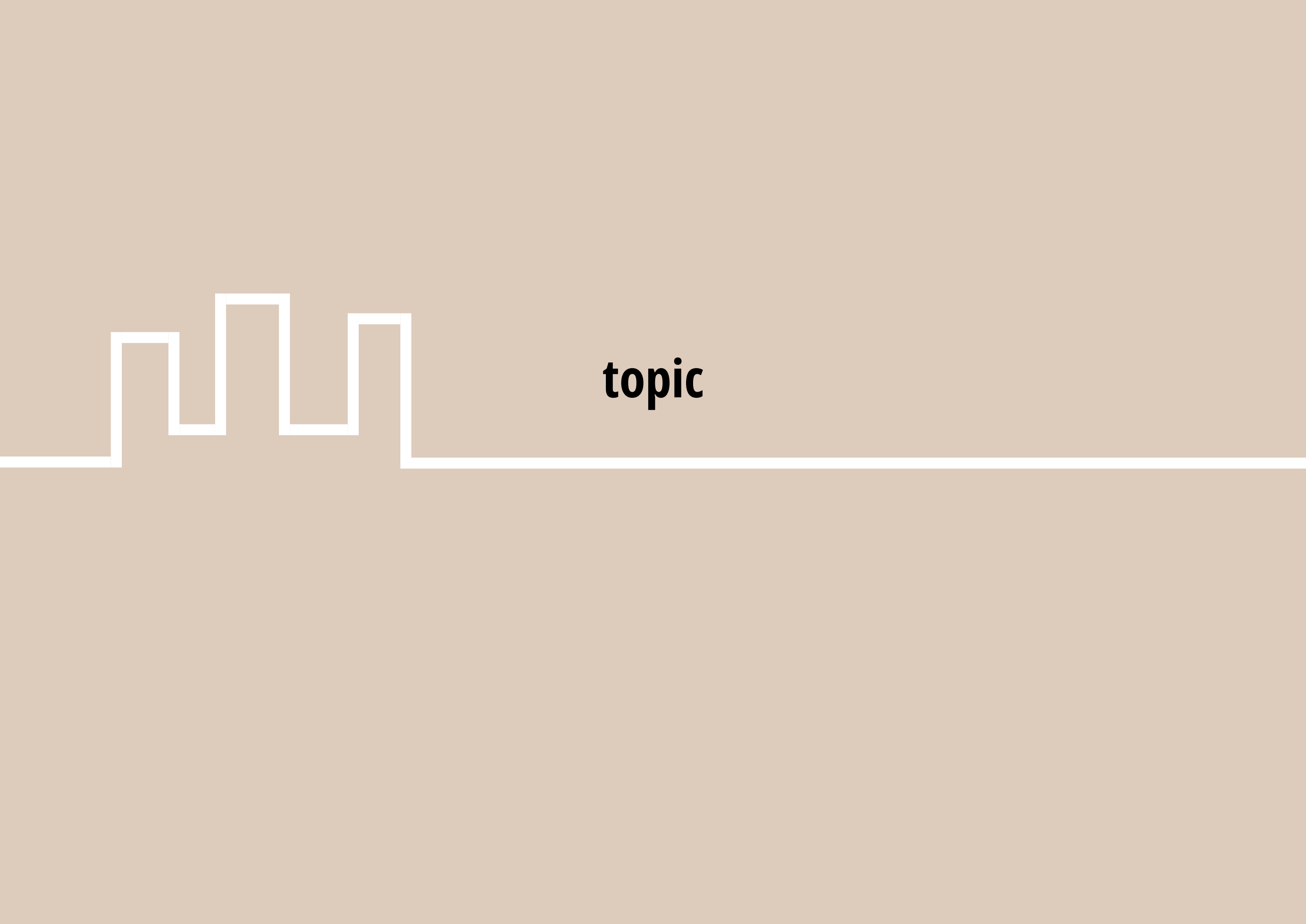
Theo Kupers
Ferry Adema
Pierijn van der Putt



assignment



“How do we want to live in the future and what kind of buildings do we need to allow for that?”



topic



Centraal Planbureau (2018)

NVM: overspannen huizenmarkt Amsterdam is aan het 'droogkoken'

DeVolkskrant (2016)

Wonen in Amsterdam: straks alleen voor de rijken?

Nieuwsuur (2016)



DeVolkskrant (2015)

NVM: overspannen huizenmarkt Amsterdam is aan het 'droogkoken'

DeVolkkrant (2016)

Wonen in Amsterdam: straks alleen voor de rijken?

Nieuwsuur (2016)



DeVolkkrant (2015)

Techbedrijven in de verdrukking in Amsterdam

Het Parool (2018)

Amsterdam bouwt twee kantoren per jaar om ruimtegebrek voor grote bedrijven weg te werken

Financieel Dagblad (2018)



Gemeente Amsterdam (2012)

How can dwellings and working places be combined in one building?

For whom will the project be designed?

How can the building blend into the surroundings?

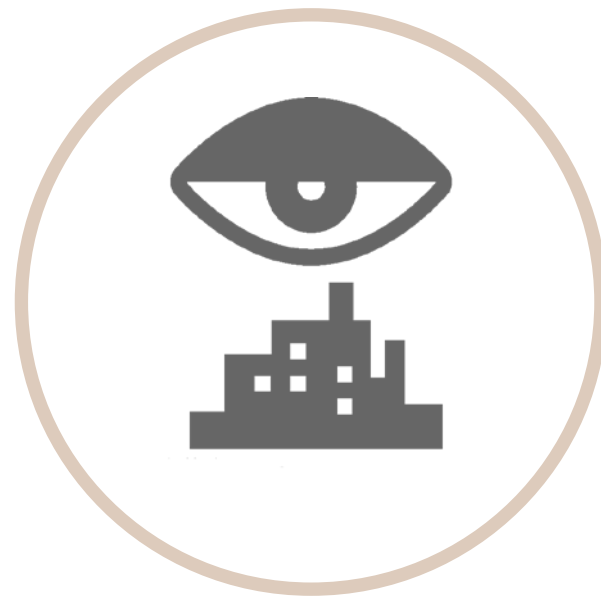
How could dwellings and working places be combined with each other?



Living and working combined in one building



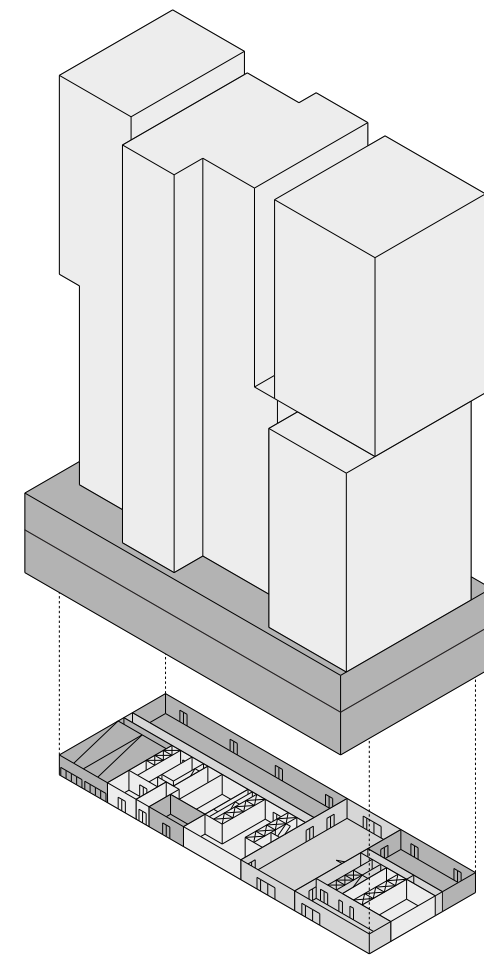
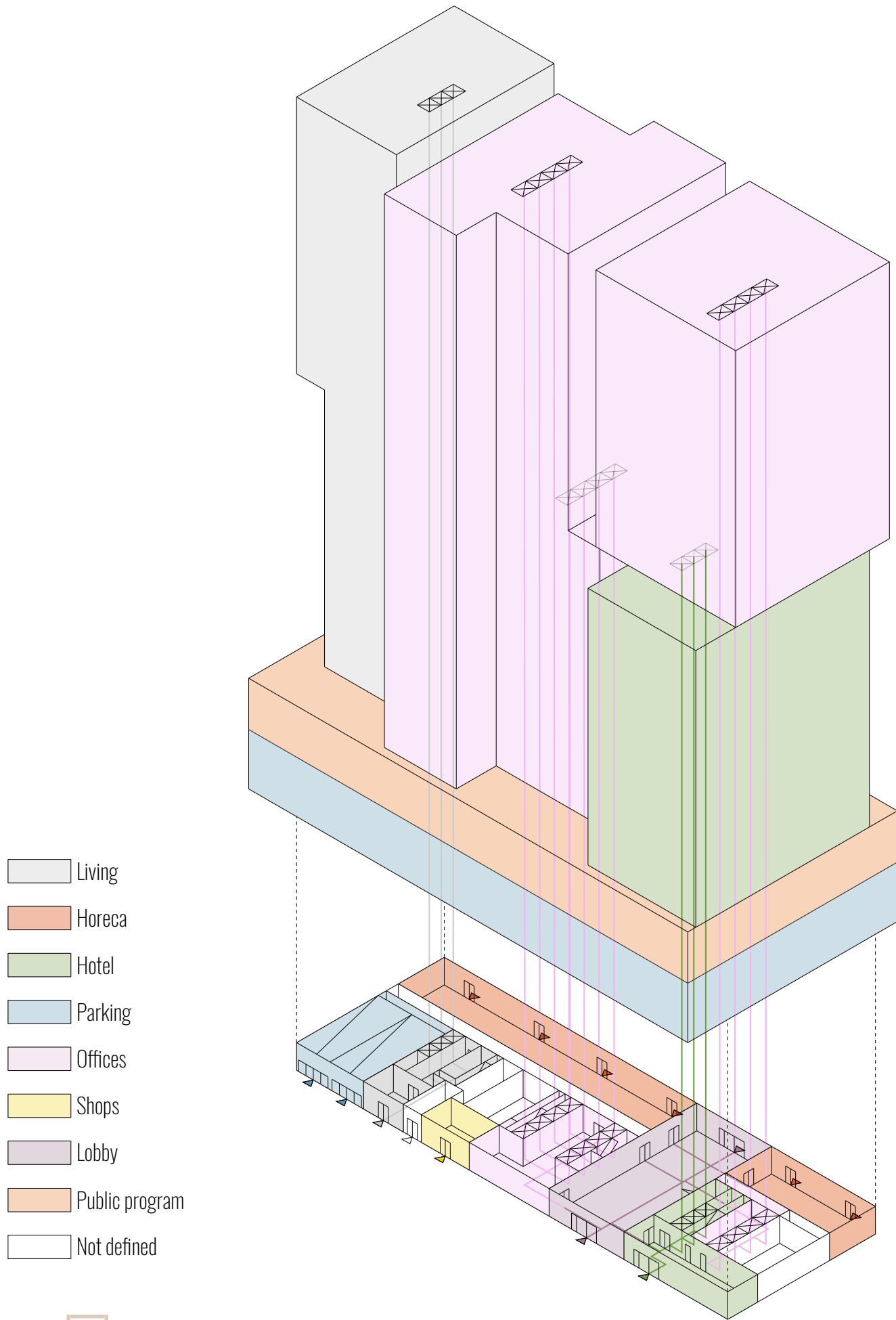
Sustainable



Social cohesion

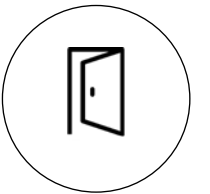


Mobility improvement

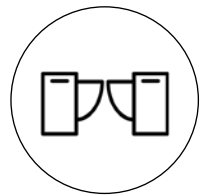


- Prive
- Collectief
- Publiek

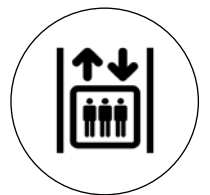
1. Door



2. Gates



3. Elevator





targetgroup

For whom will the building be designed?

'Huizen in de stad massaal opgekocht en doorverhuurd aan expats'

AT5 (2016)

Problemen van expats te weinig onderkend

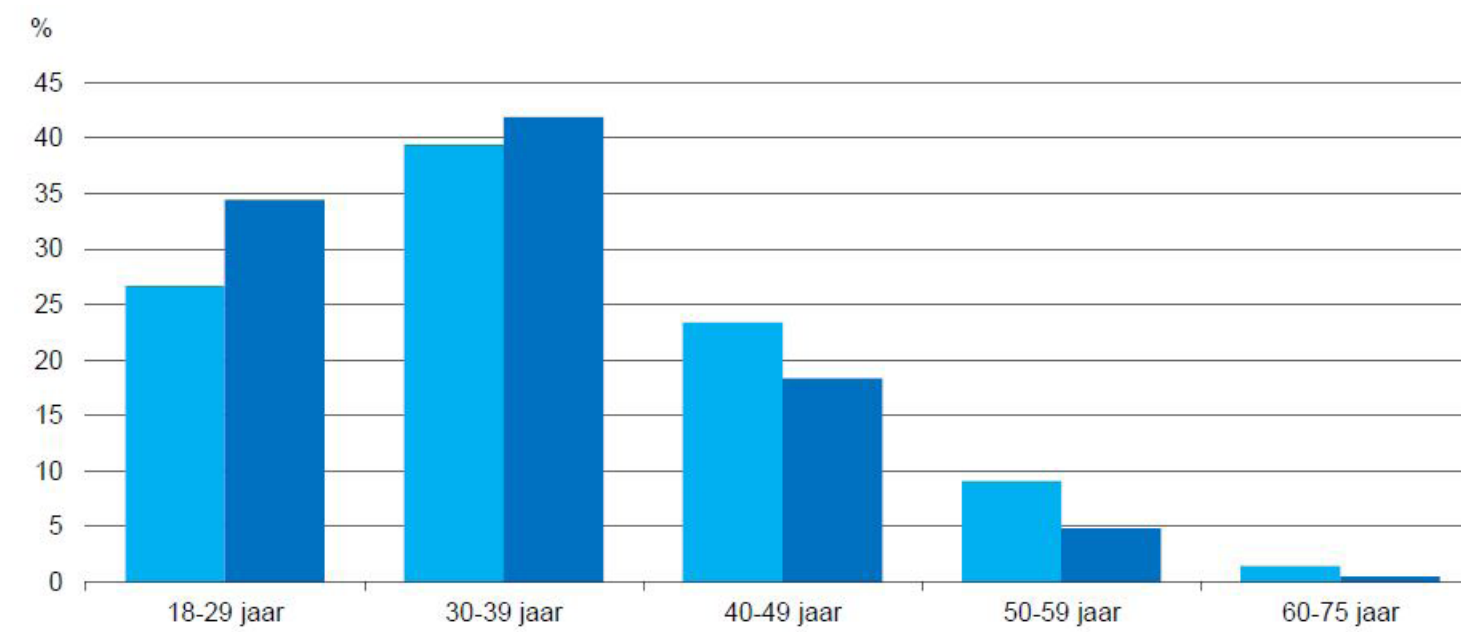
Algemeen Dagblad (2018)

Expats veroveren de stad: 'Ze betalen zo 1700 euro huur'

AT5 (2018)



Hartogh, R. de (1979)



Centraal Bureau voor de Statistiek (2015)



Single



Couple



Family



Single



Couple



Family

An expat is born and raised in another country;

An expat earns more money than a regular employee;

An expat works for an international orientated company;

An expat is high-qualified;

An expat does not have the intention to settle permanent in the Netherlands;

An expat does not (or barely) identify with the Dutch values.



design assignment

Living and working in one building

Facilitated by a company

Facilities for surroundings

Living and working in one building

Facilitated by a company

Facilities for surroundings

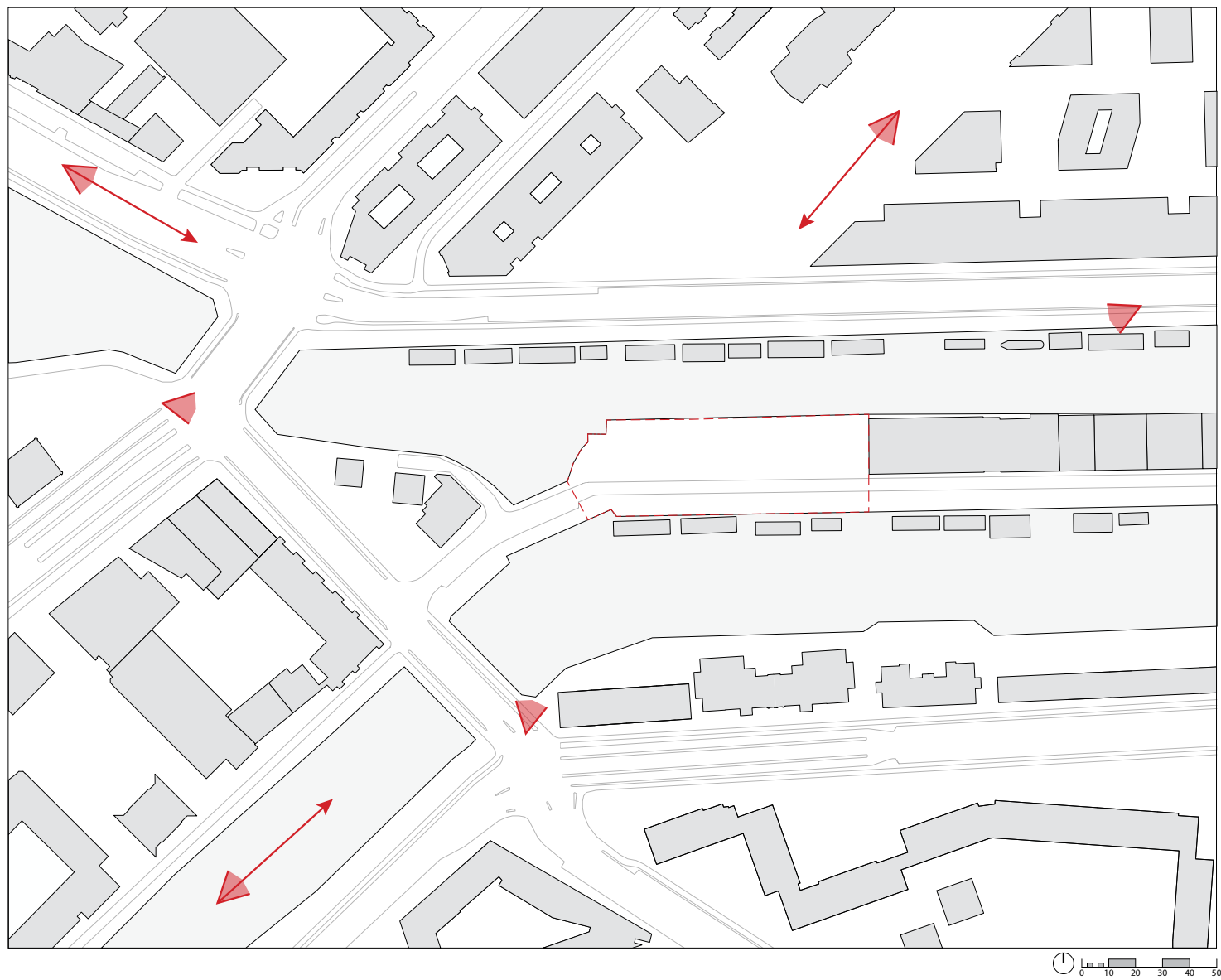
Improvement of social cohesion in the building

Facilities for residents

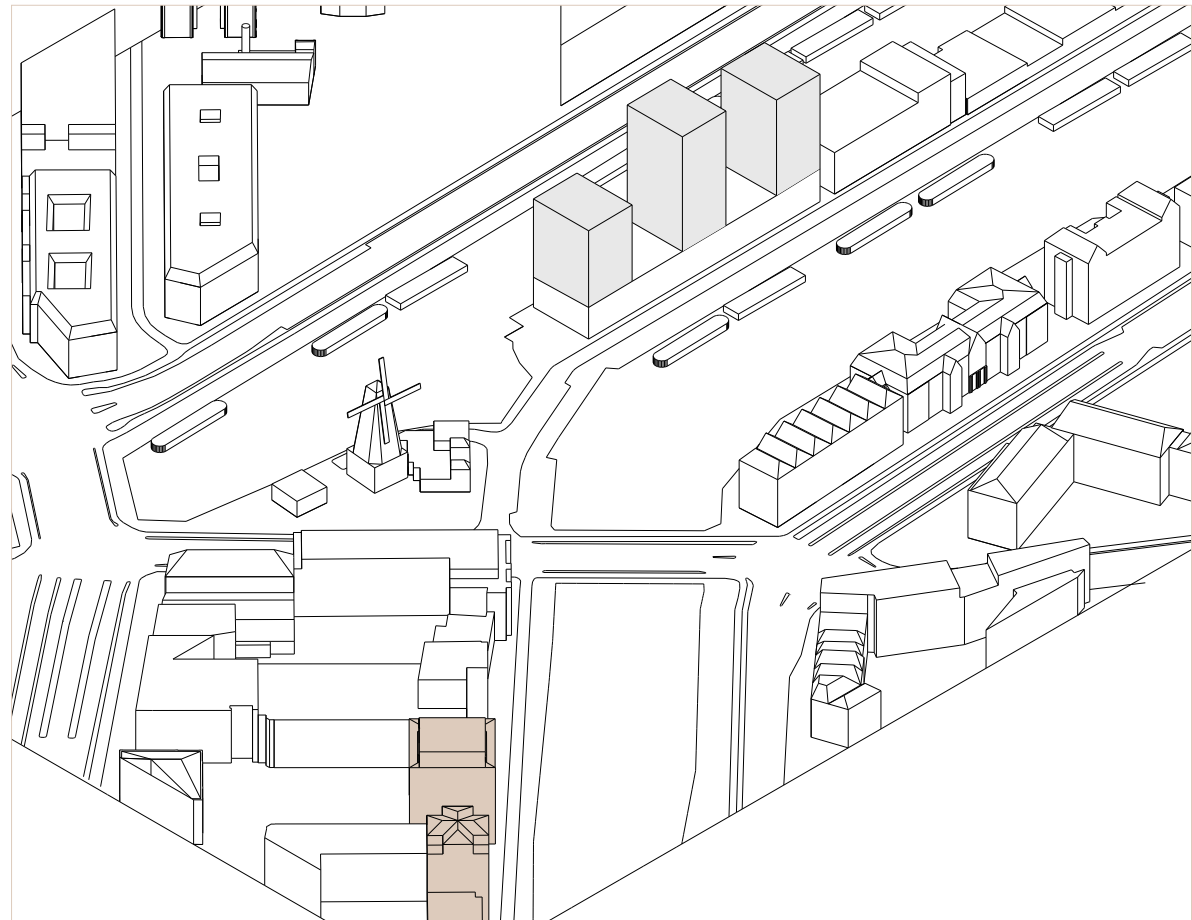
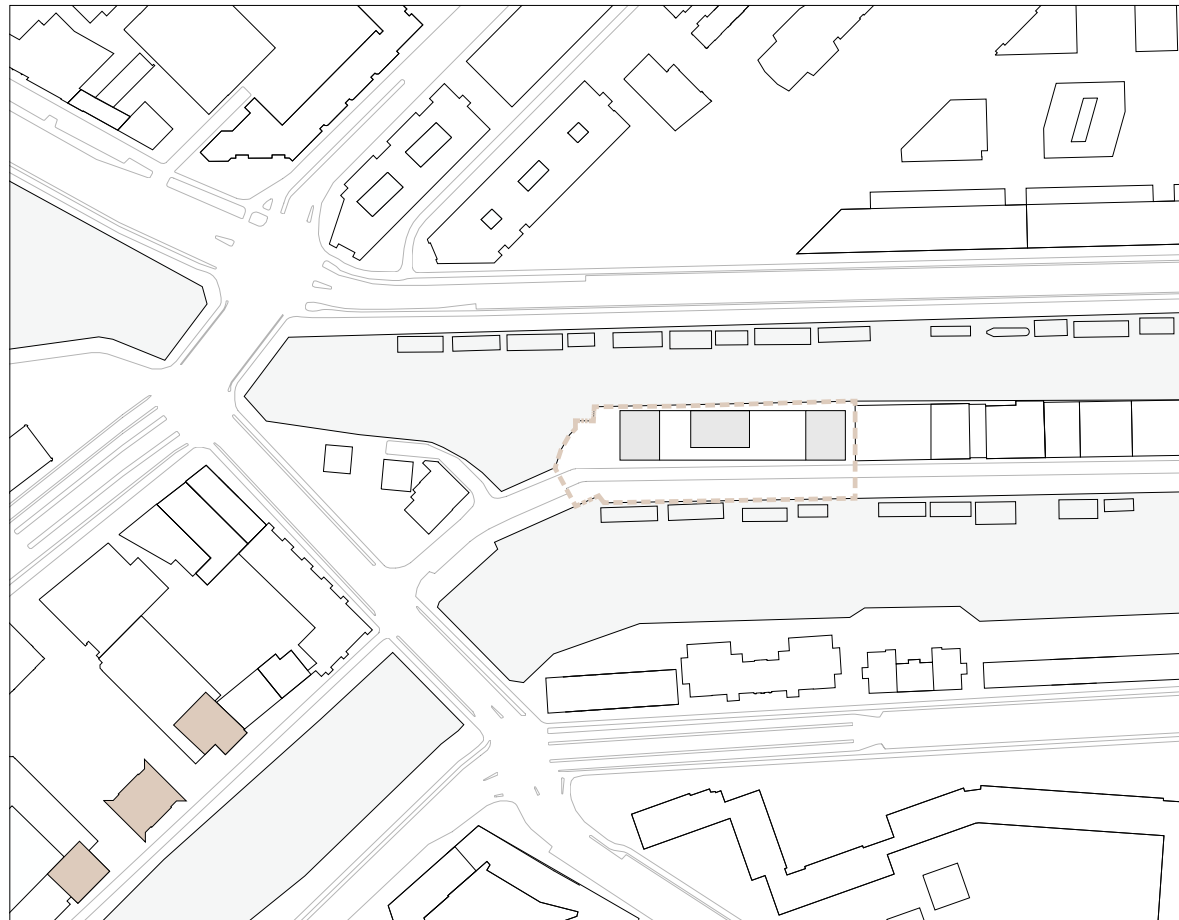
Facilities in the dwelling



location analyses



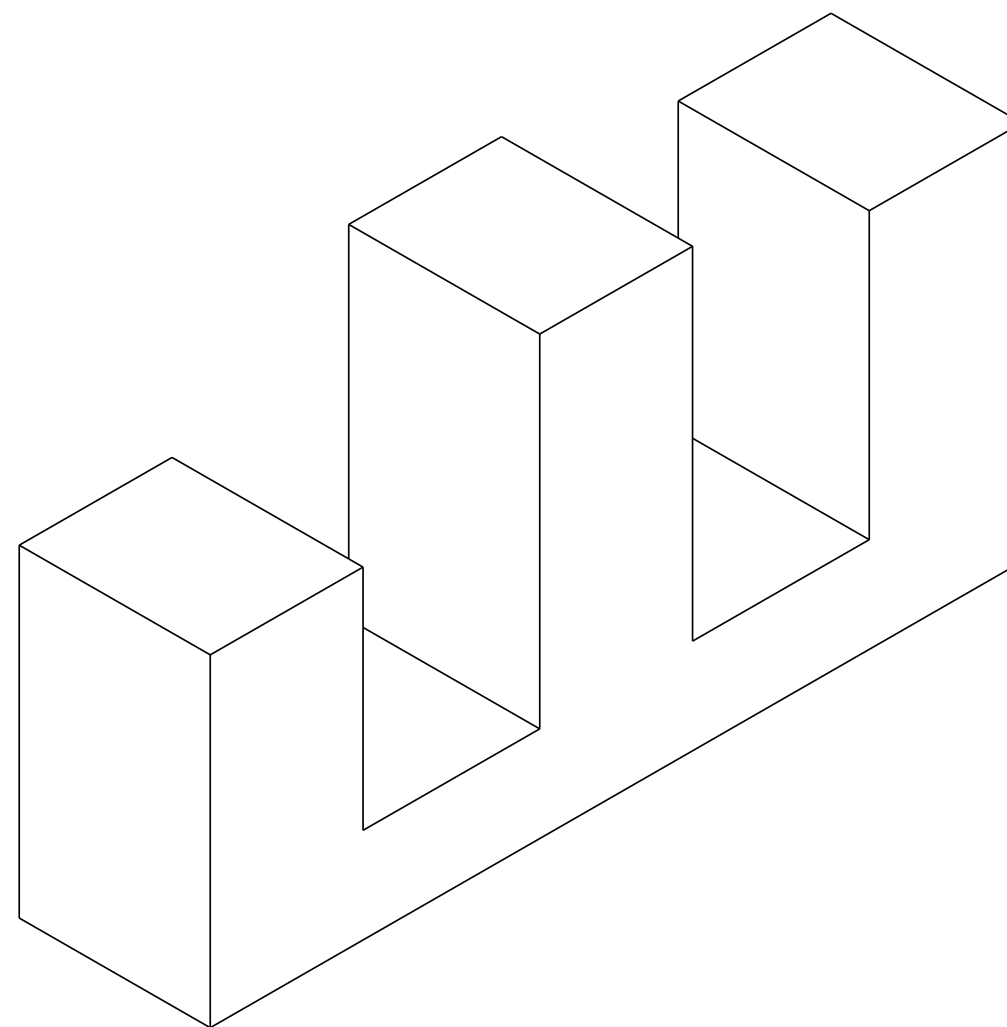


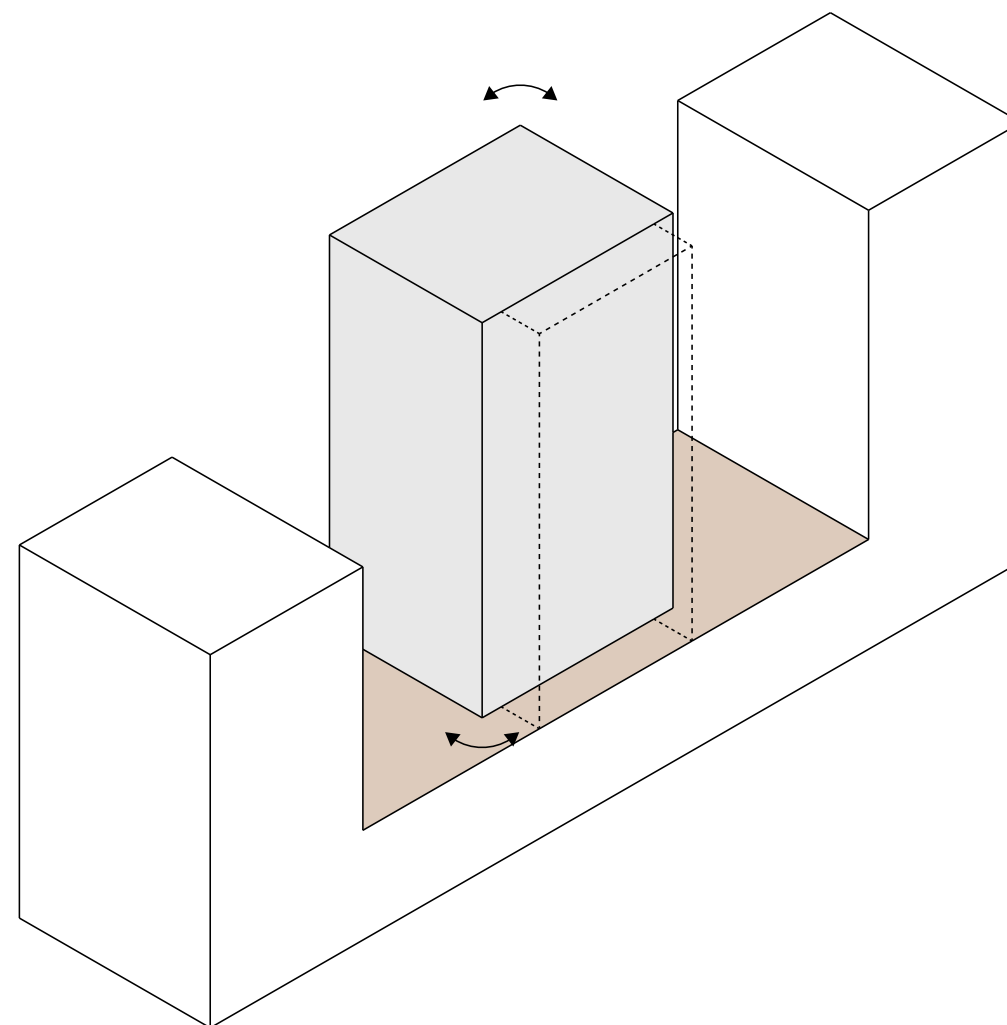


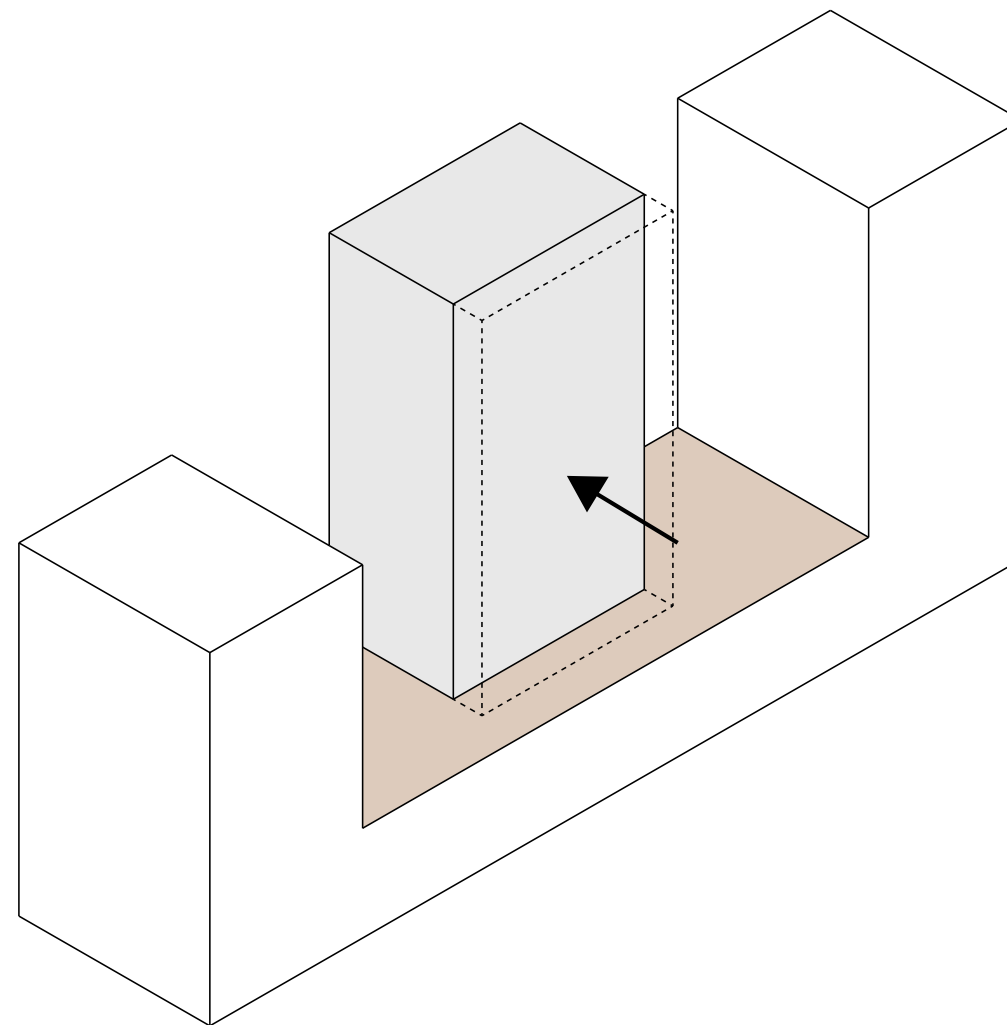


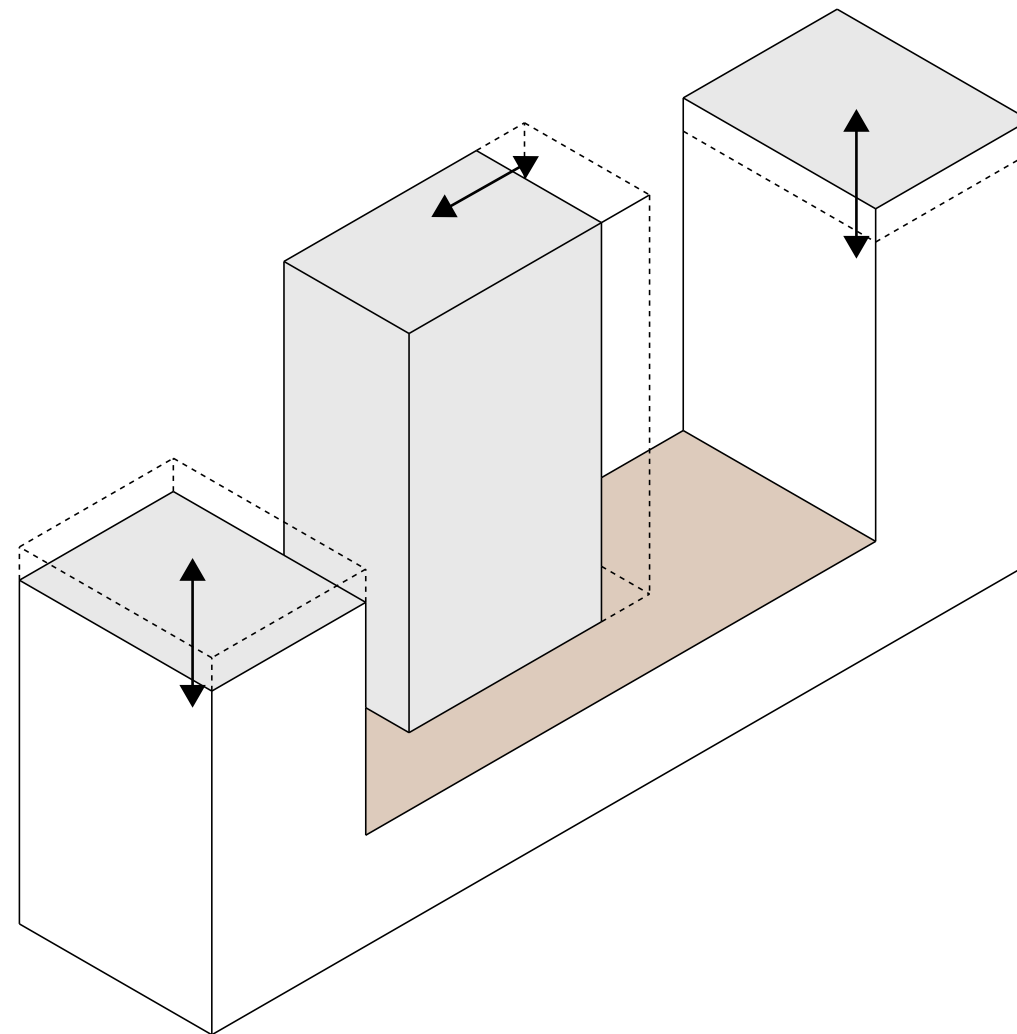
design

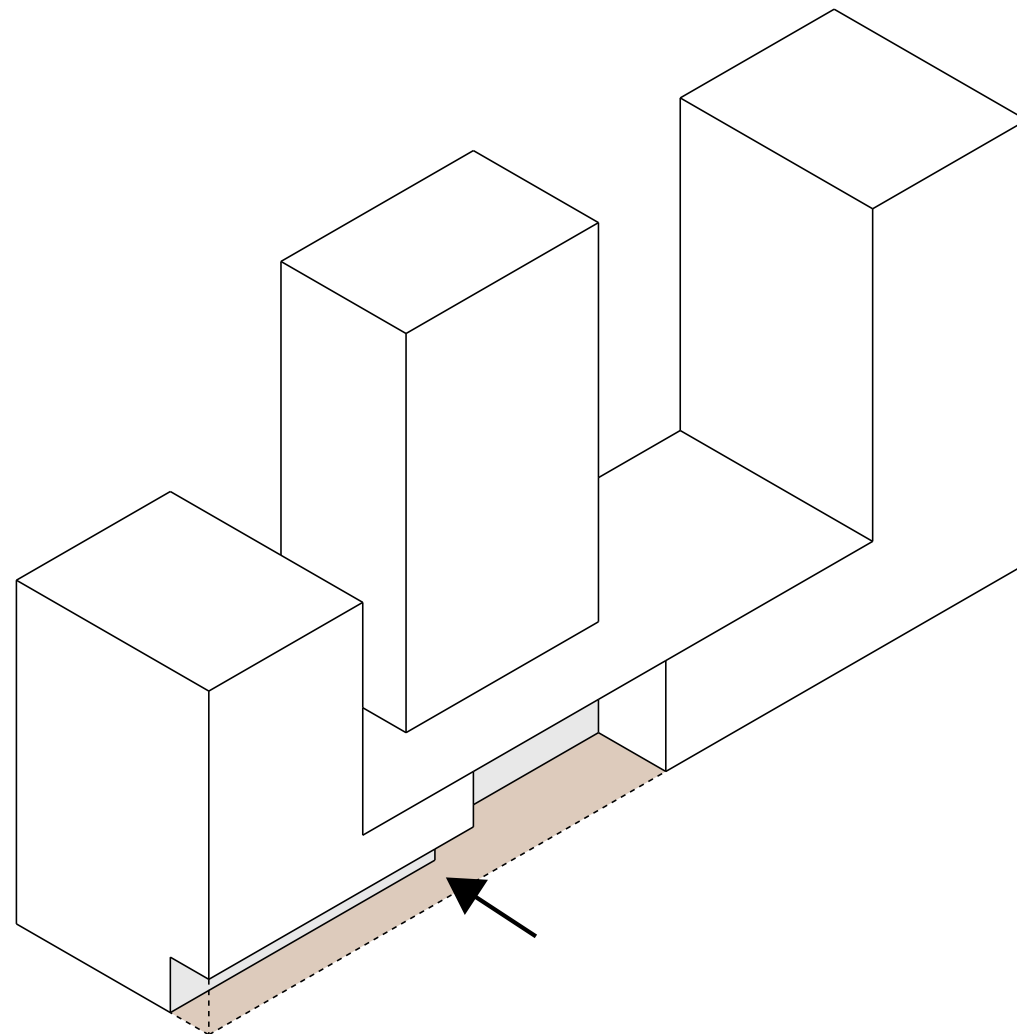
volume













design

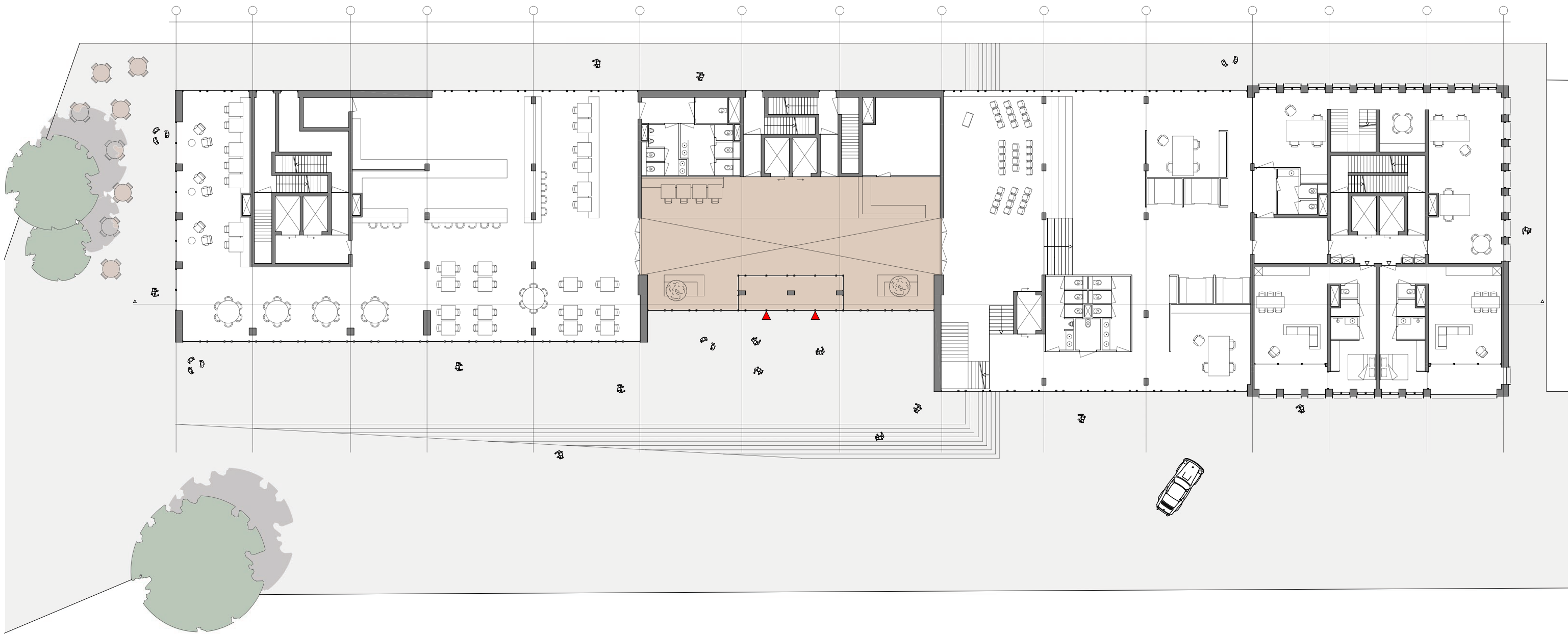
public structure

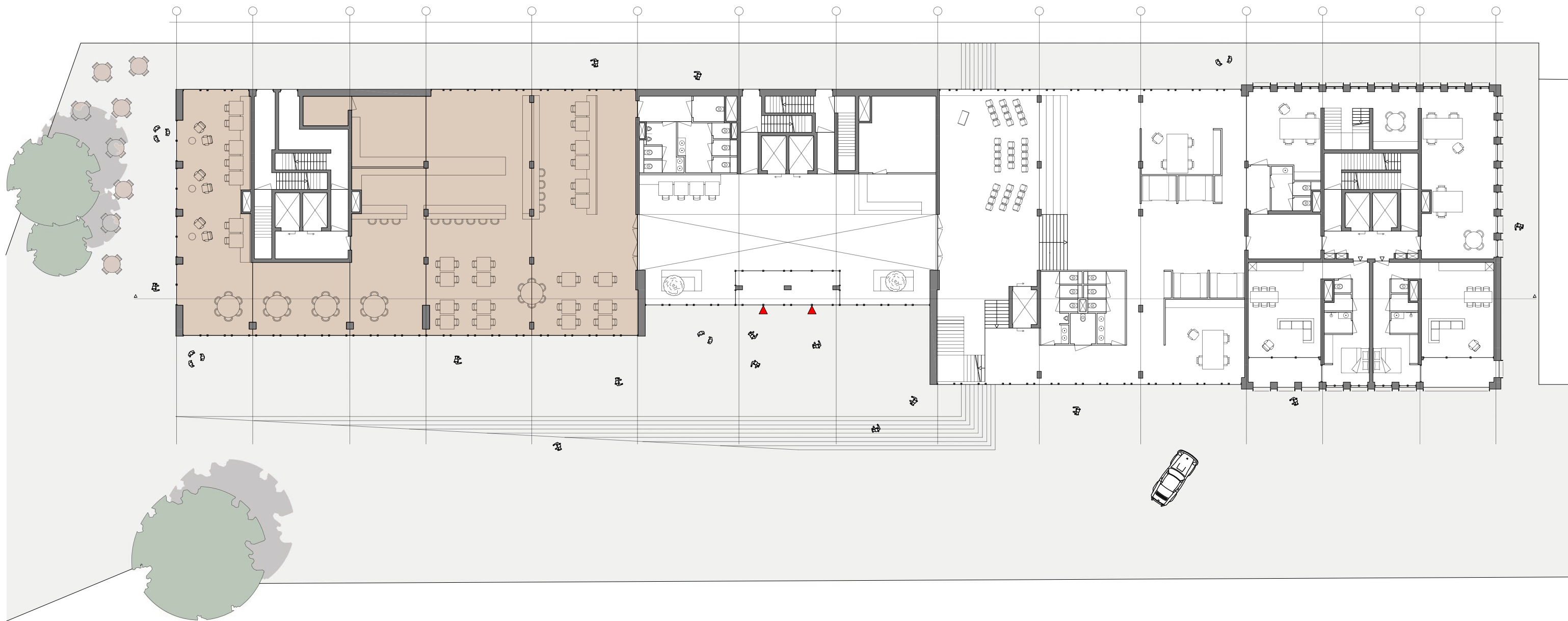


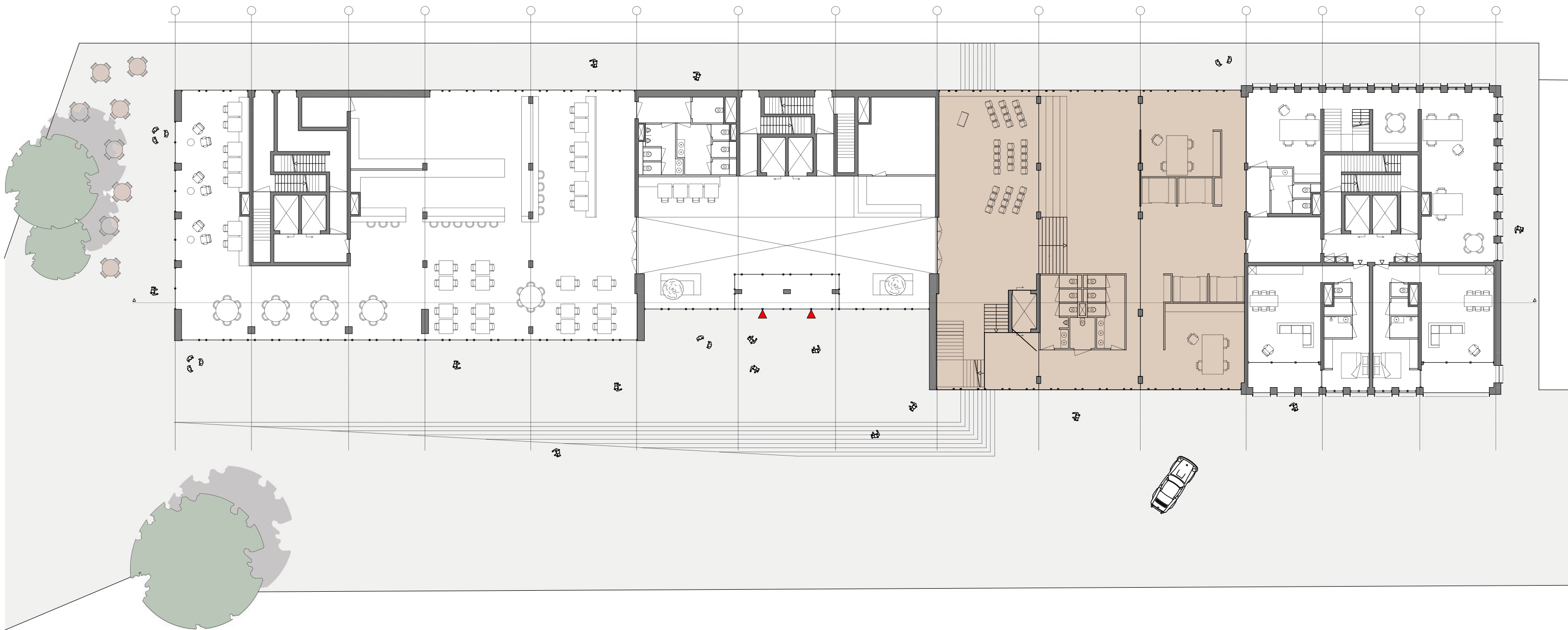
Live/work-building - design - *public structure*

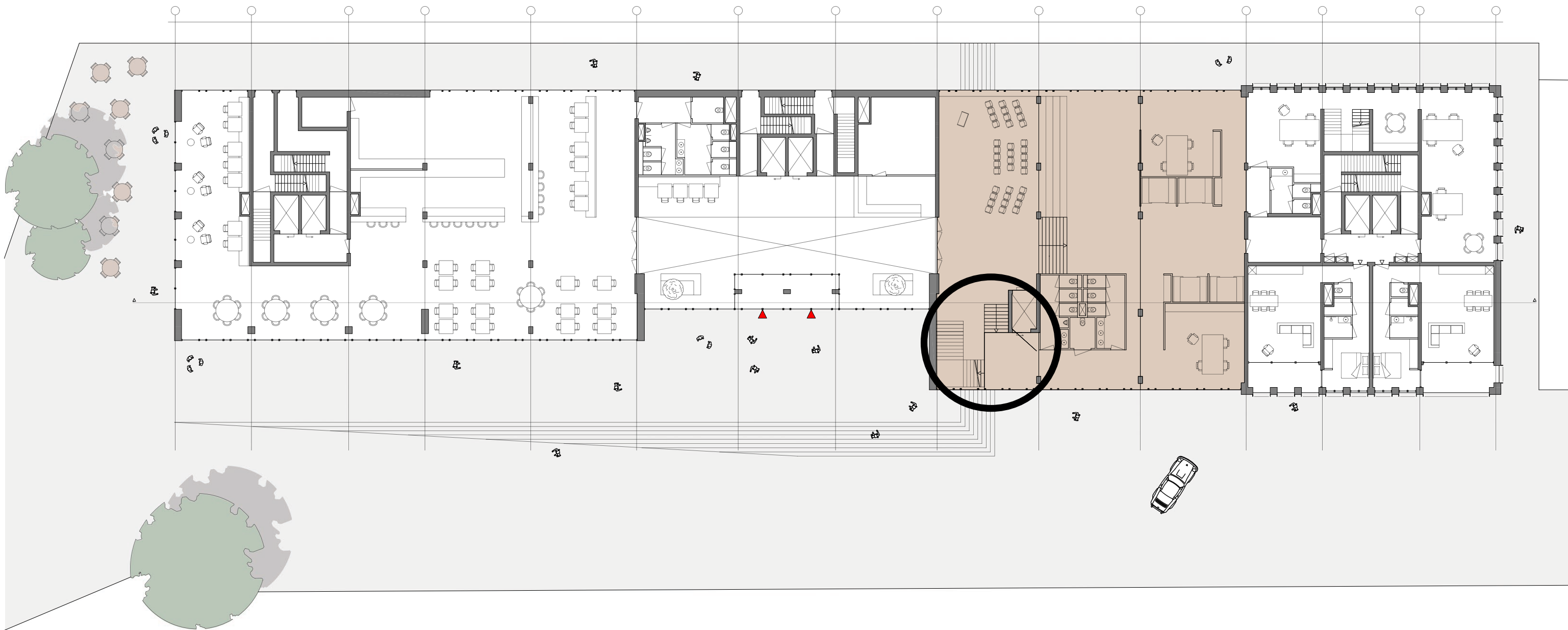


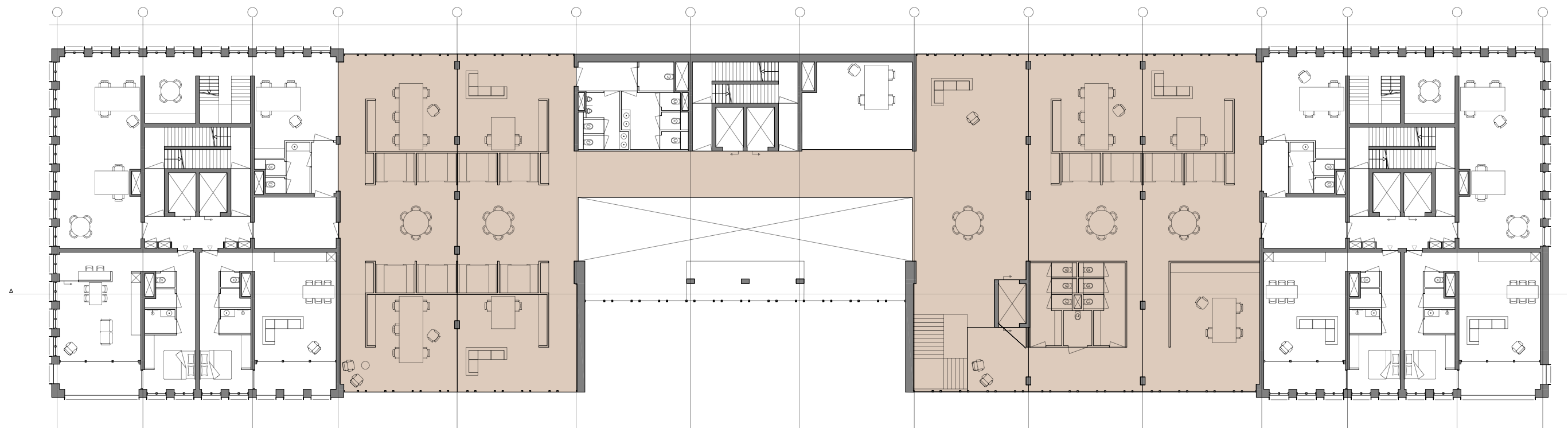
Live/work-building - design - *public structure*







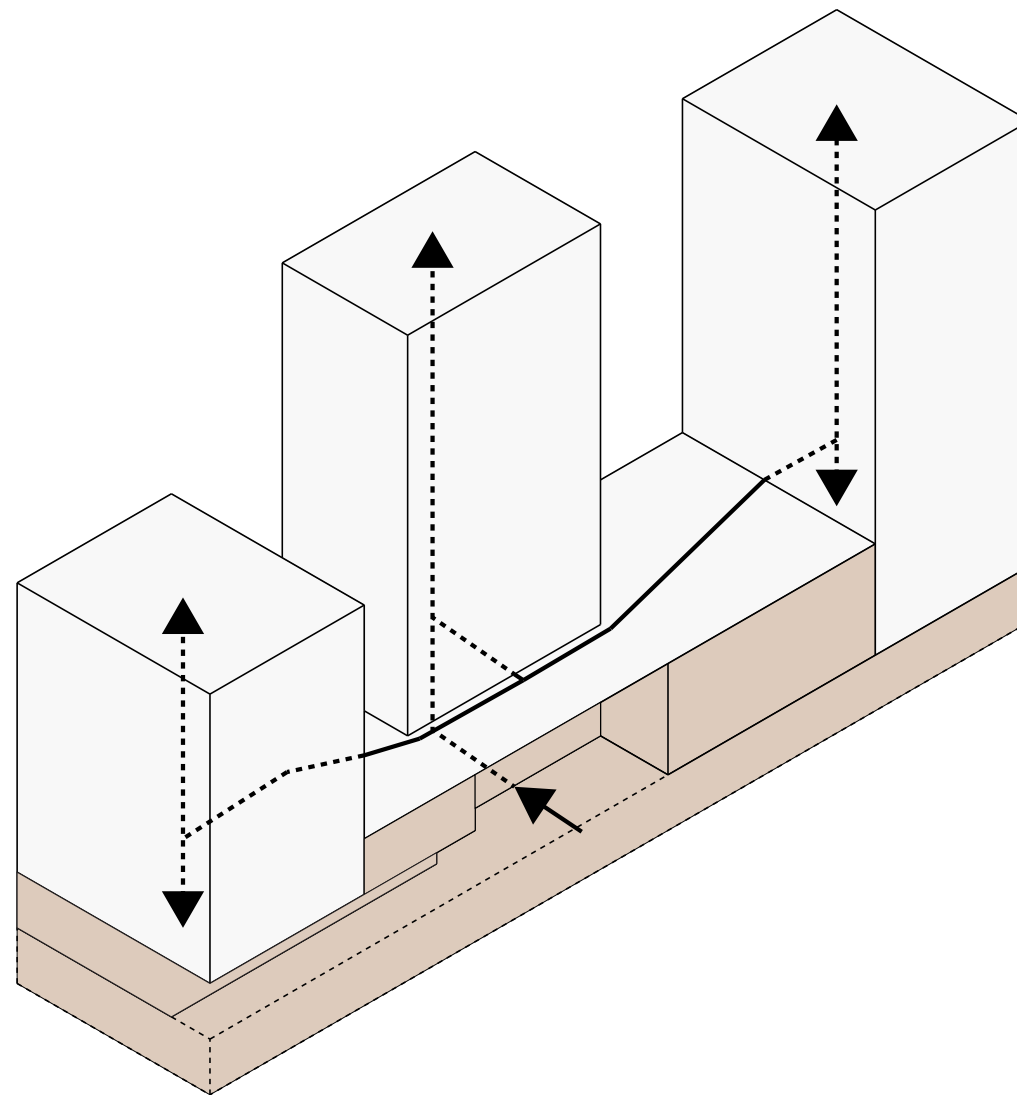


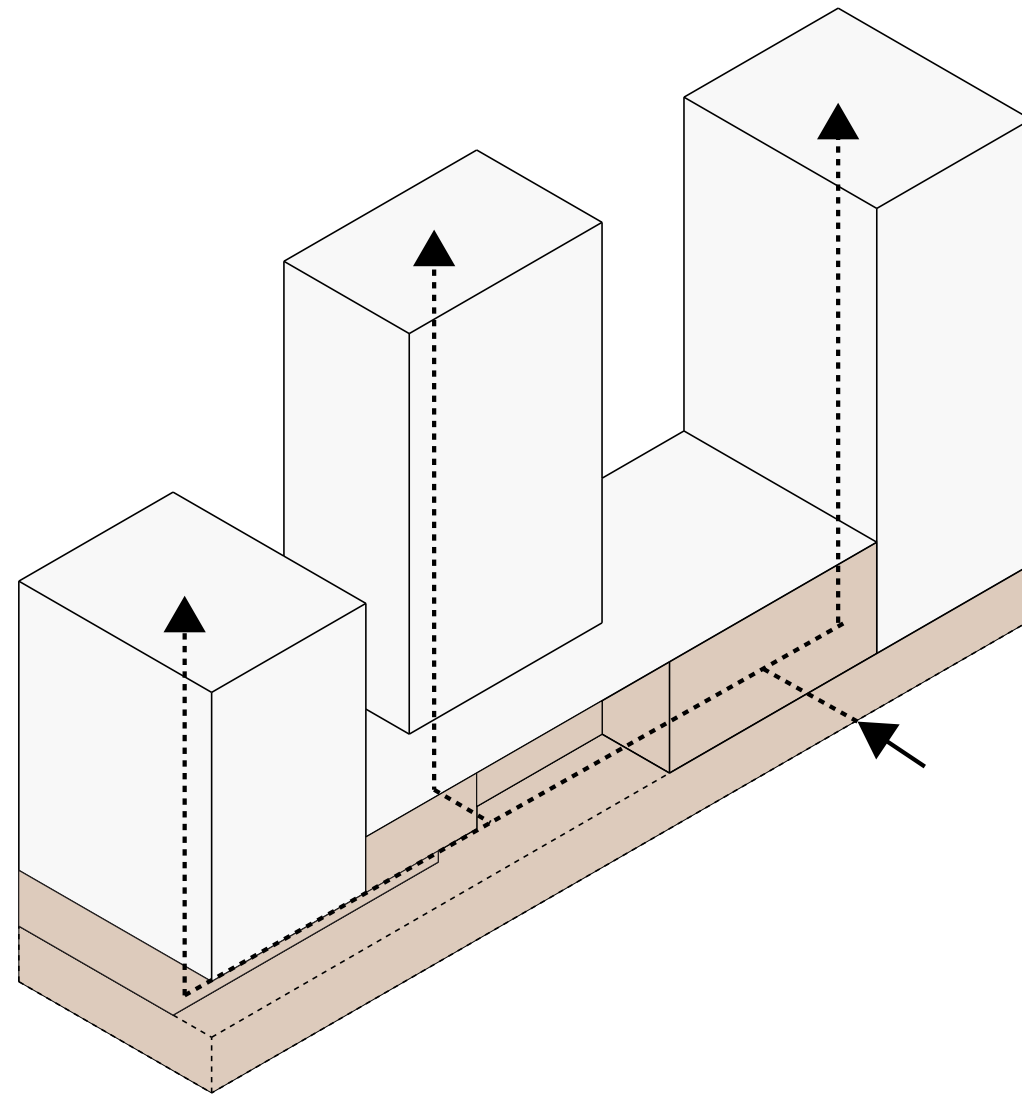


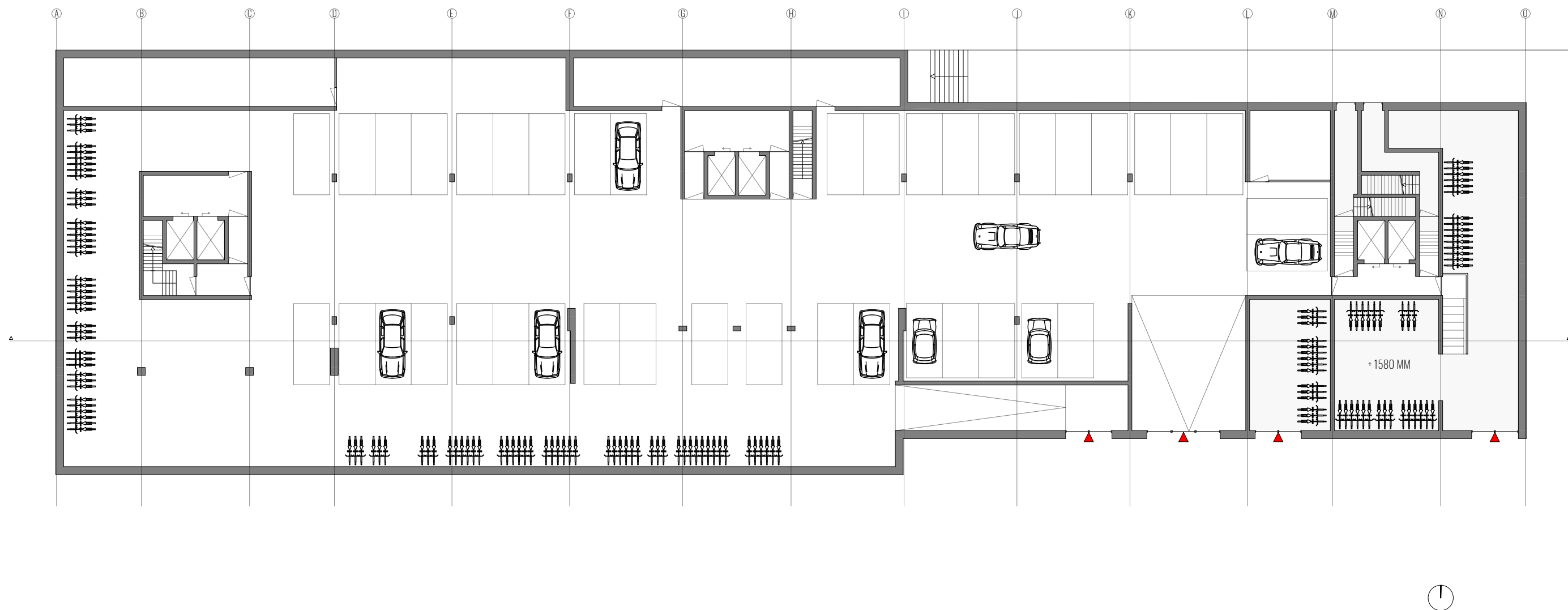


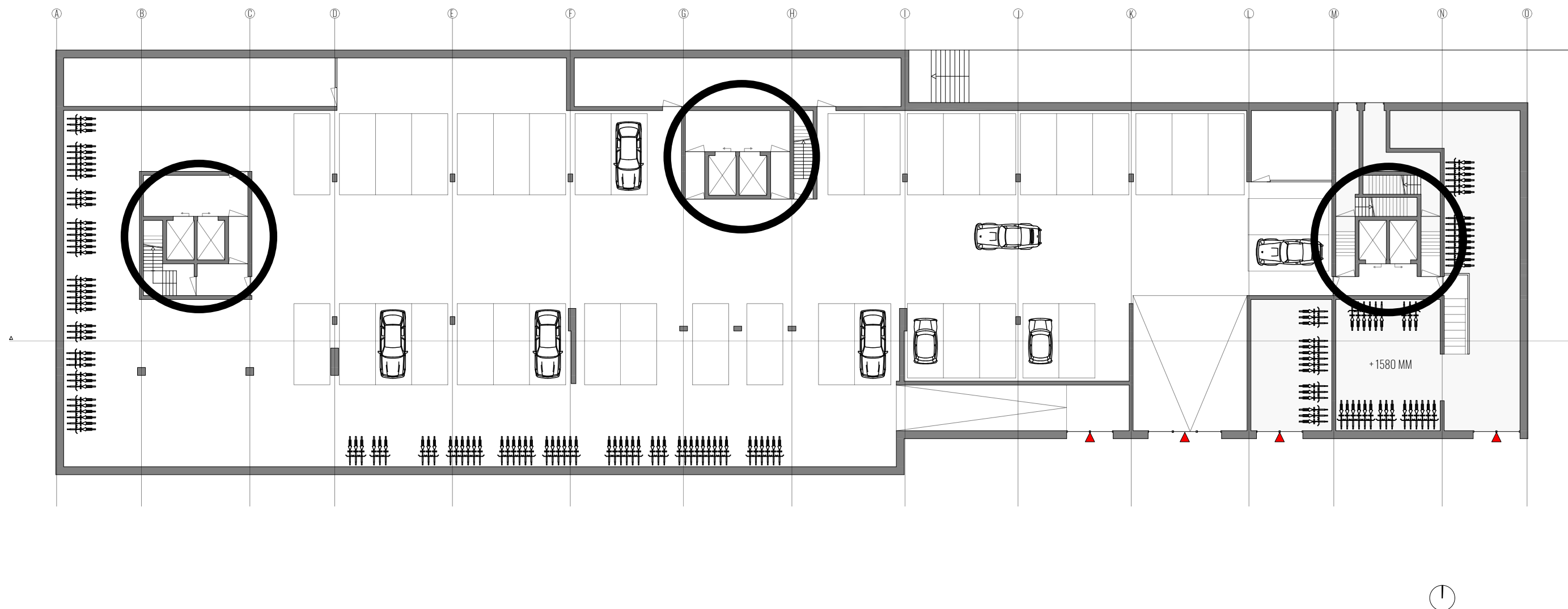
design

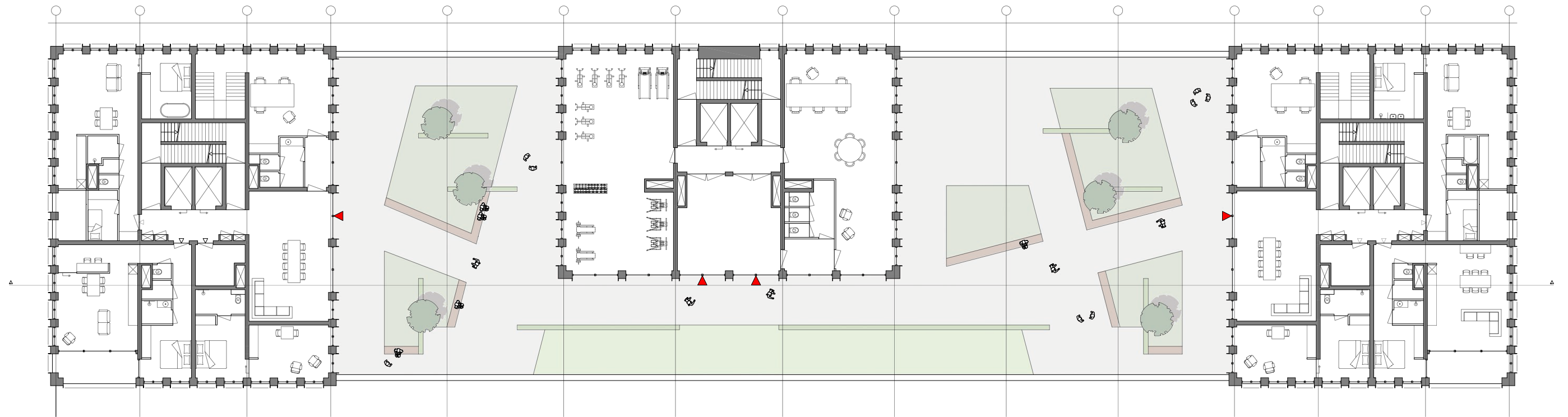
collective structure





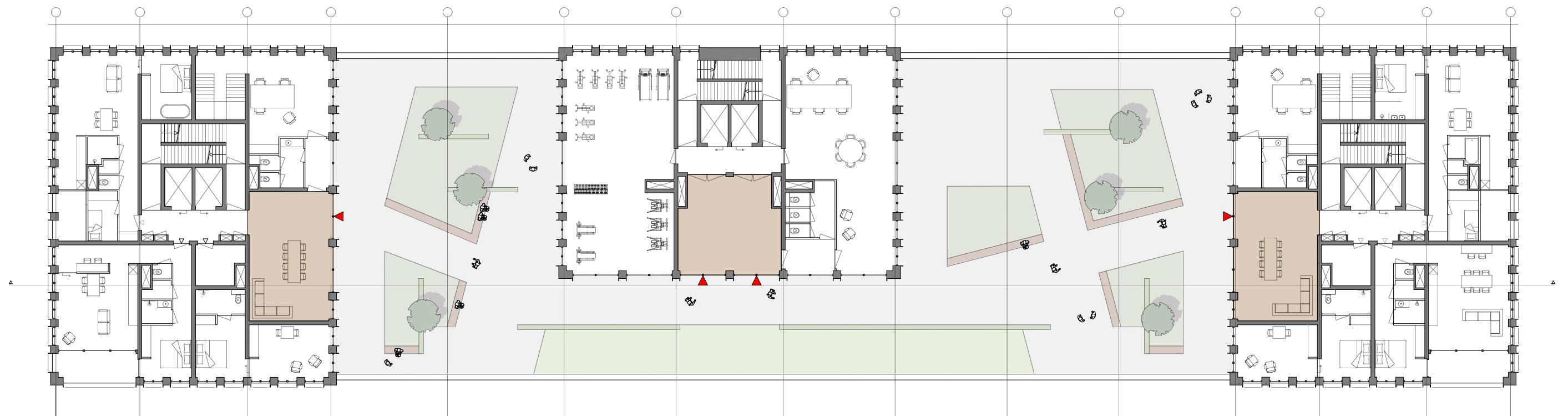




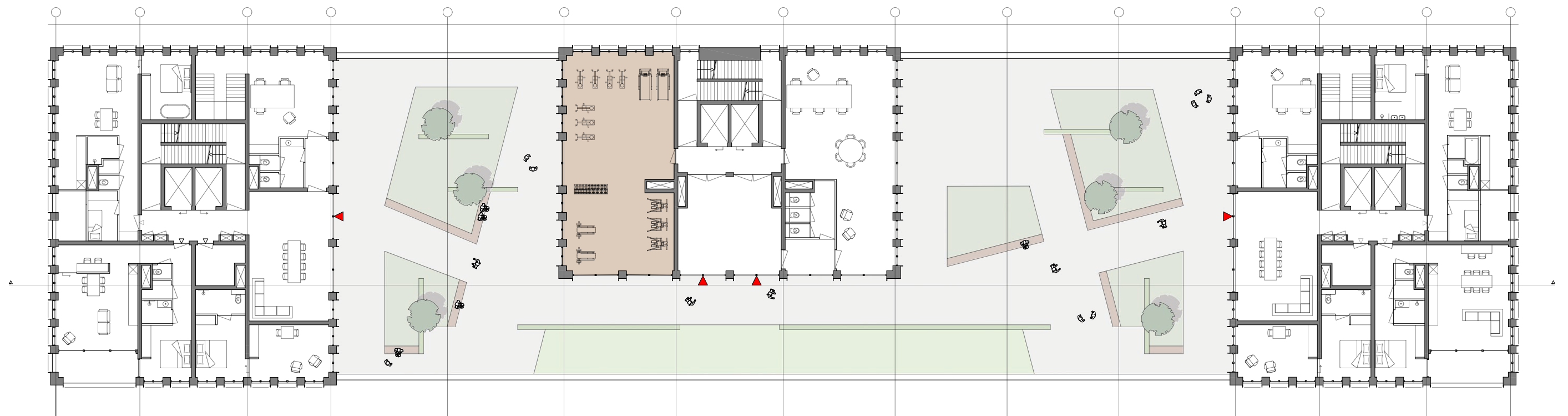


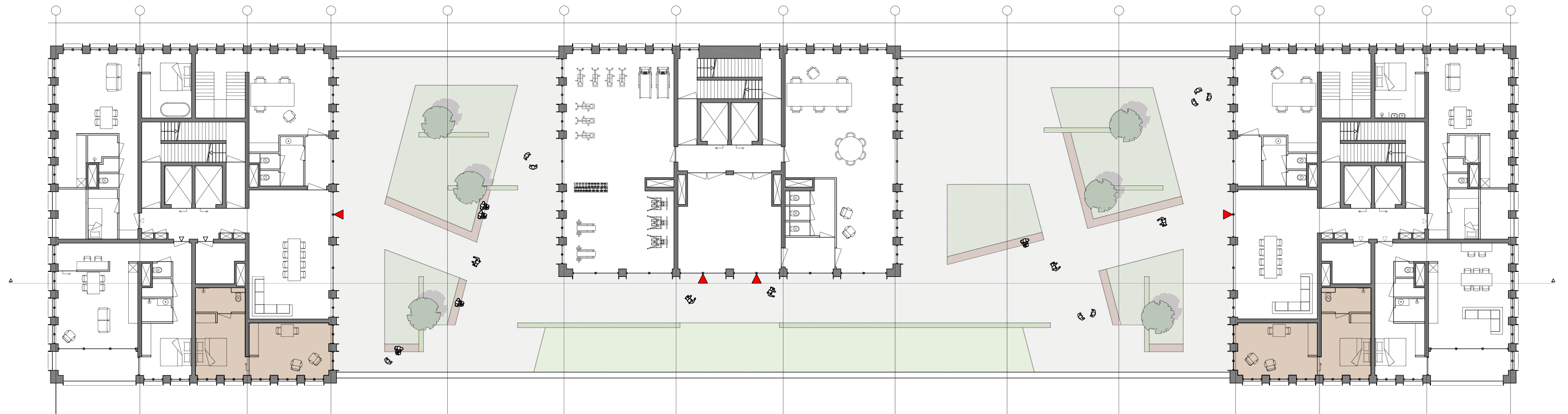


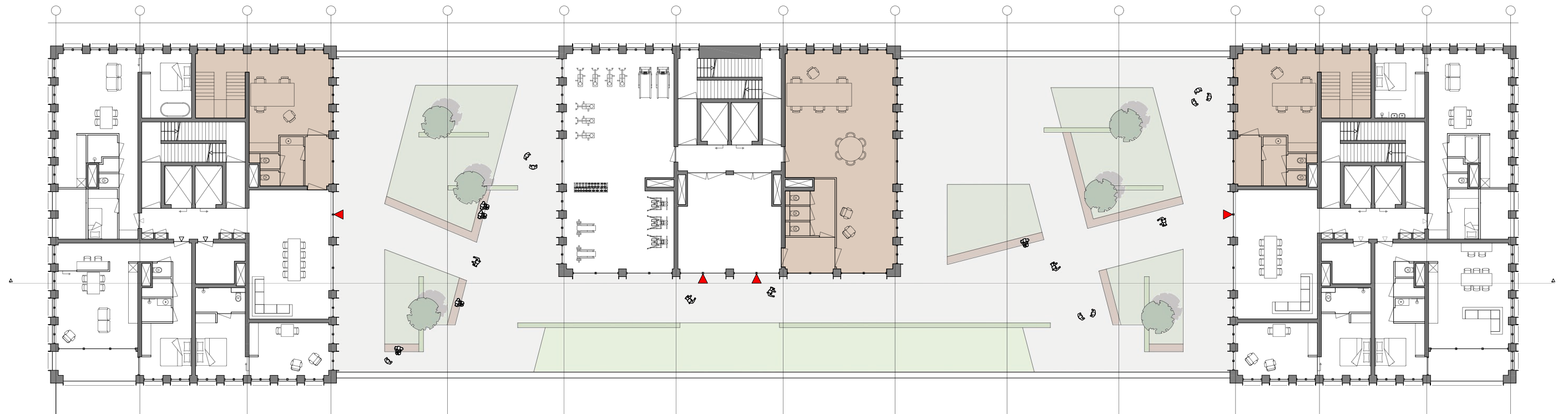
Live/work-building - design - *collective structure*

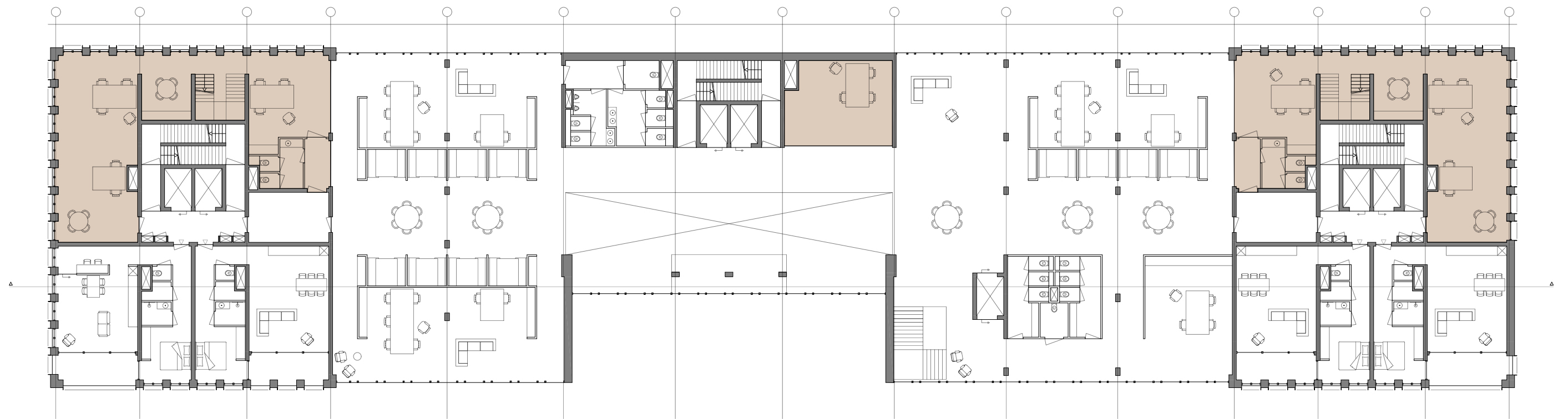


Live/work-building - design - *collective structure (common rooms)*













design

private structure

Flexibility related to constructive walls

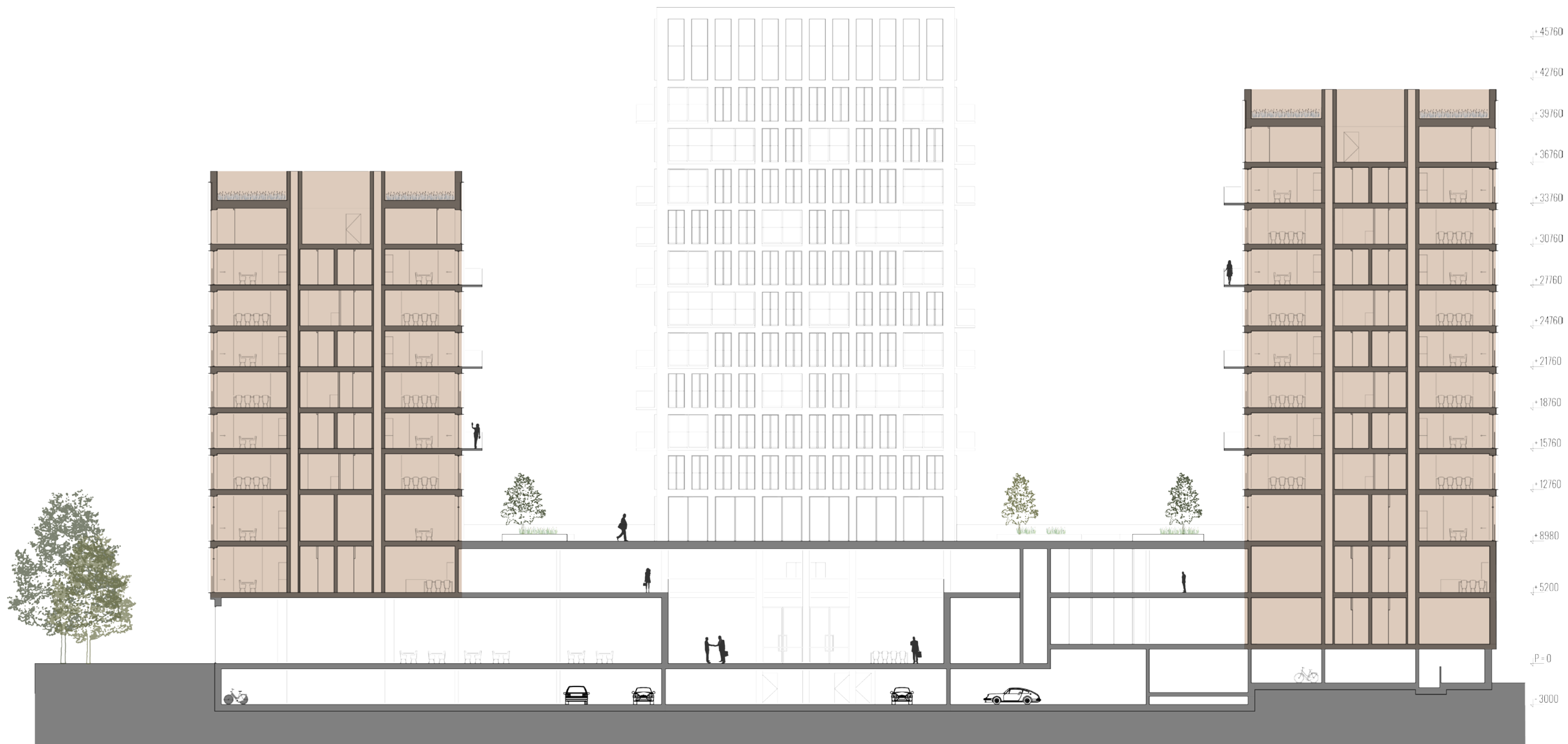
Flexibility related to use of space

Orientation of dwellings towards the sun

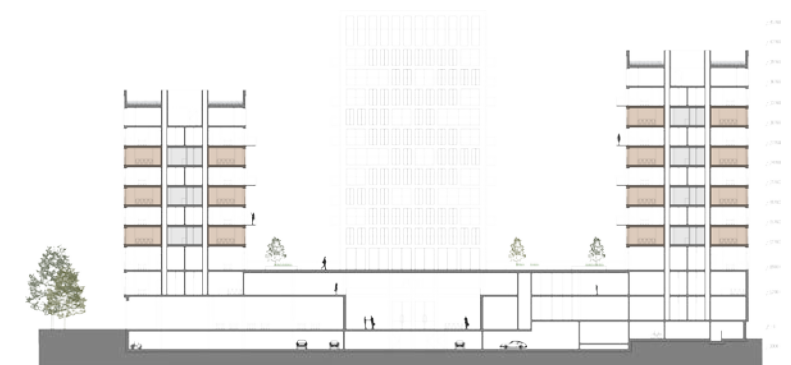
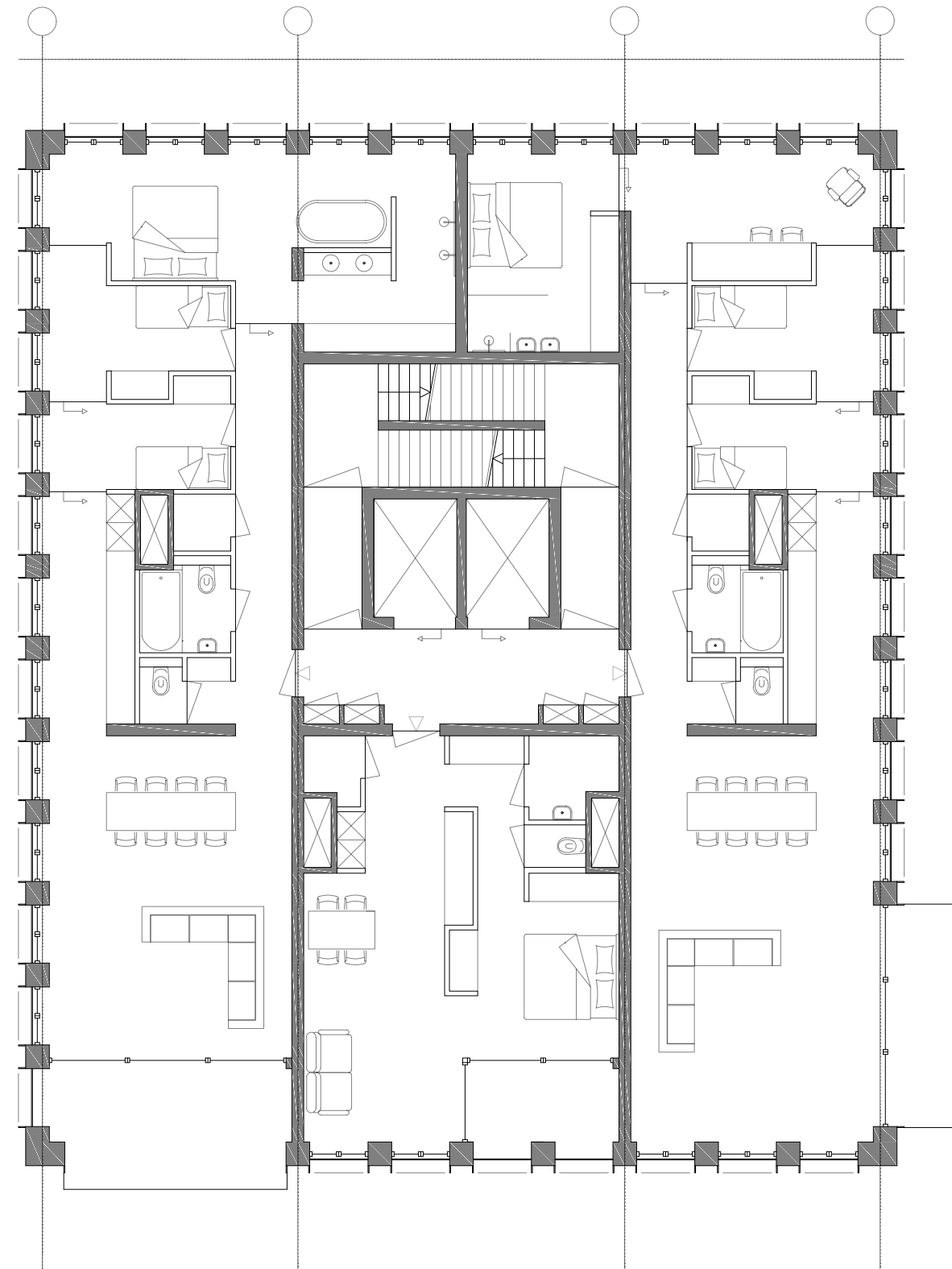
Two-sided orientation of living rooms

Fixed furniture

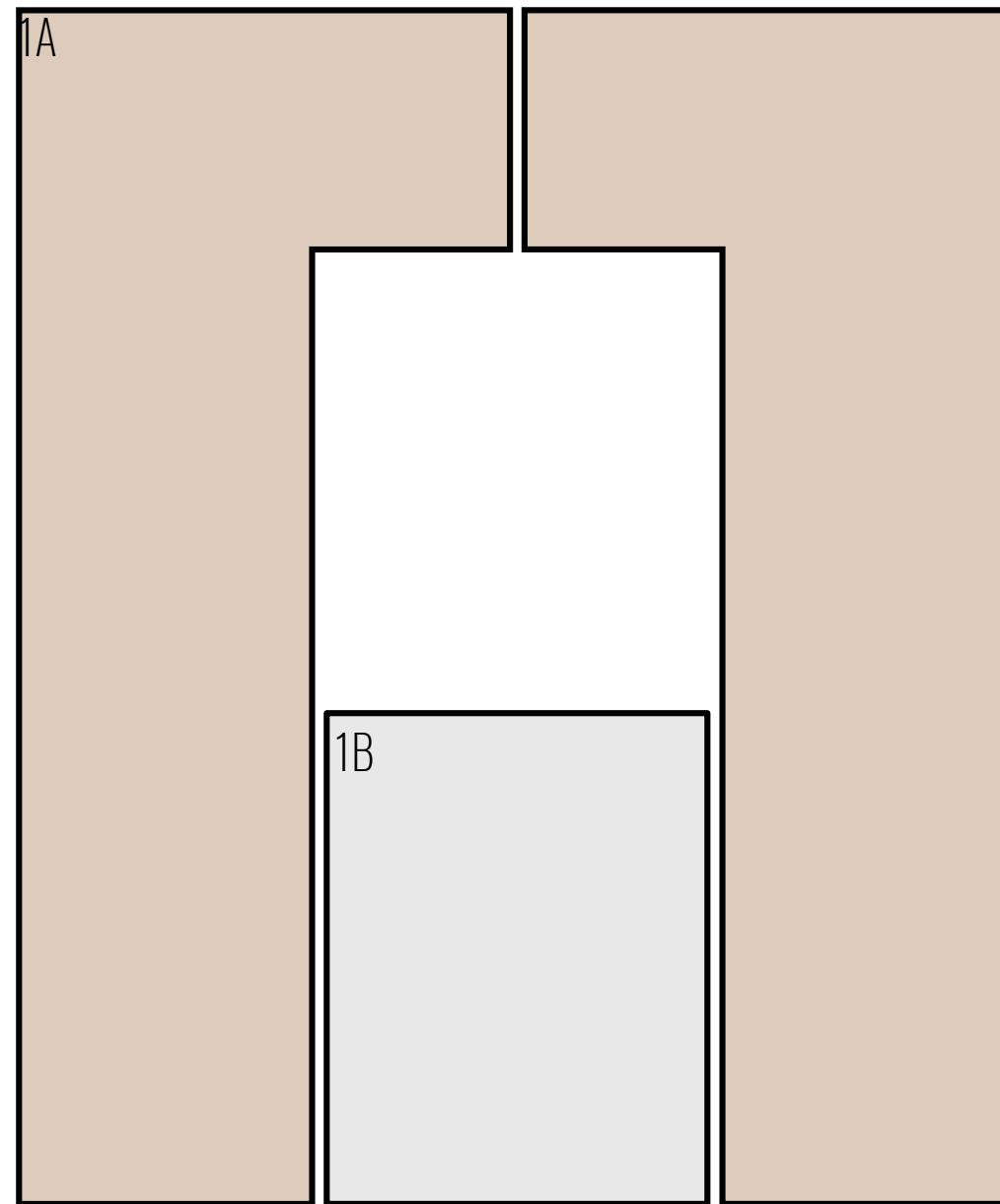
Viewlines in dwelling



Live/work-building - design - *private structure*





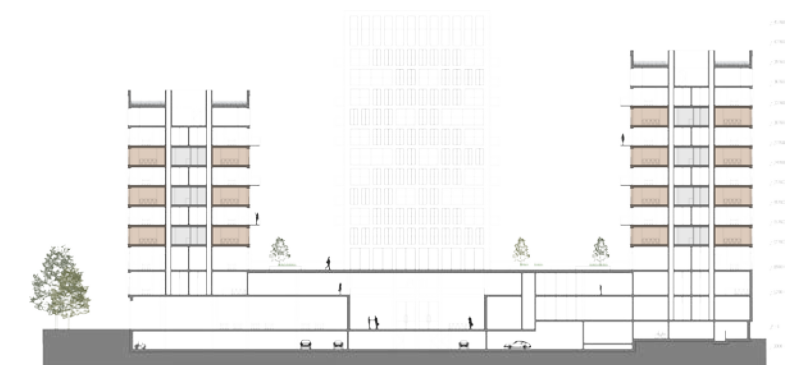


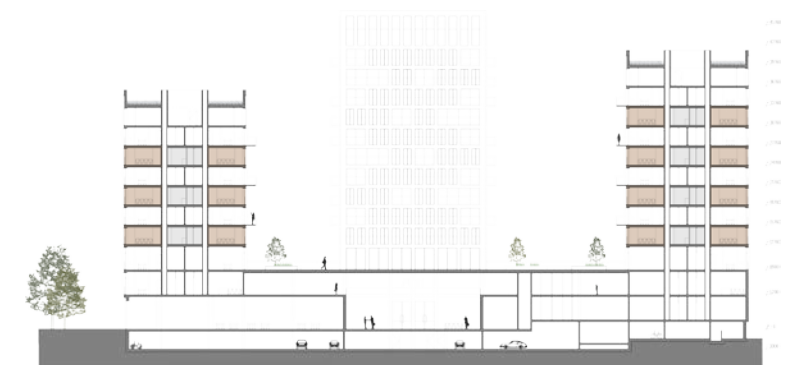
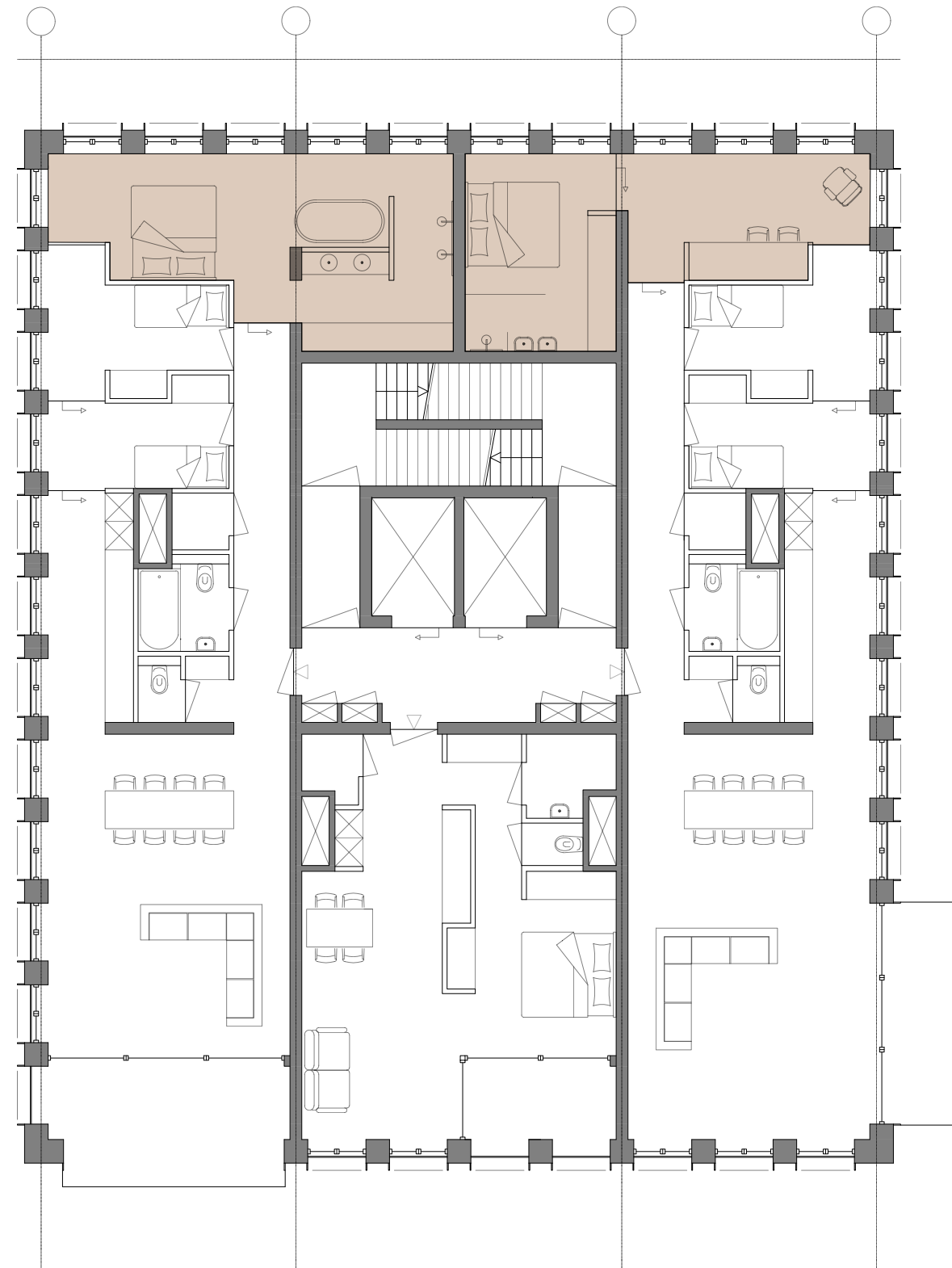
Type 1A: 4/5 personen
14 woningen

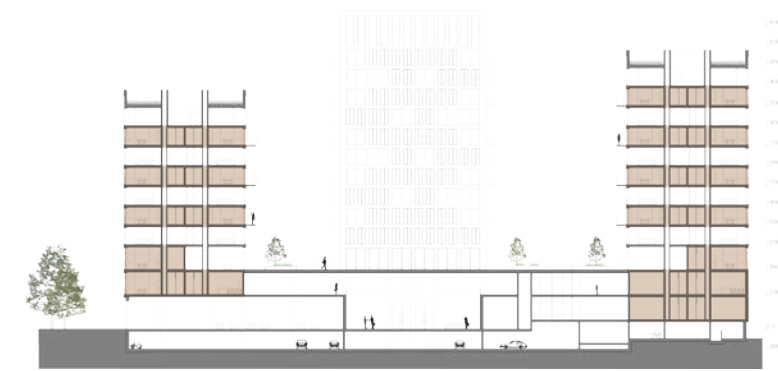
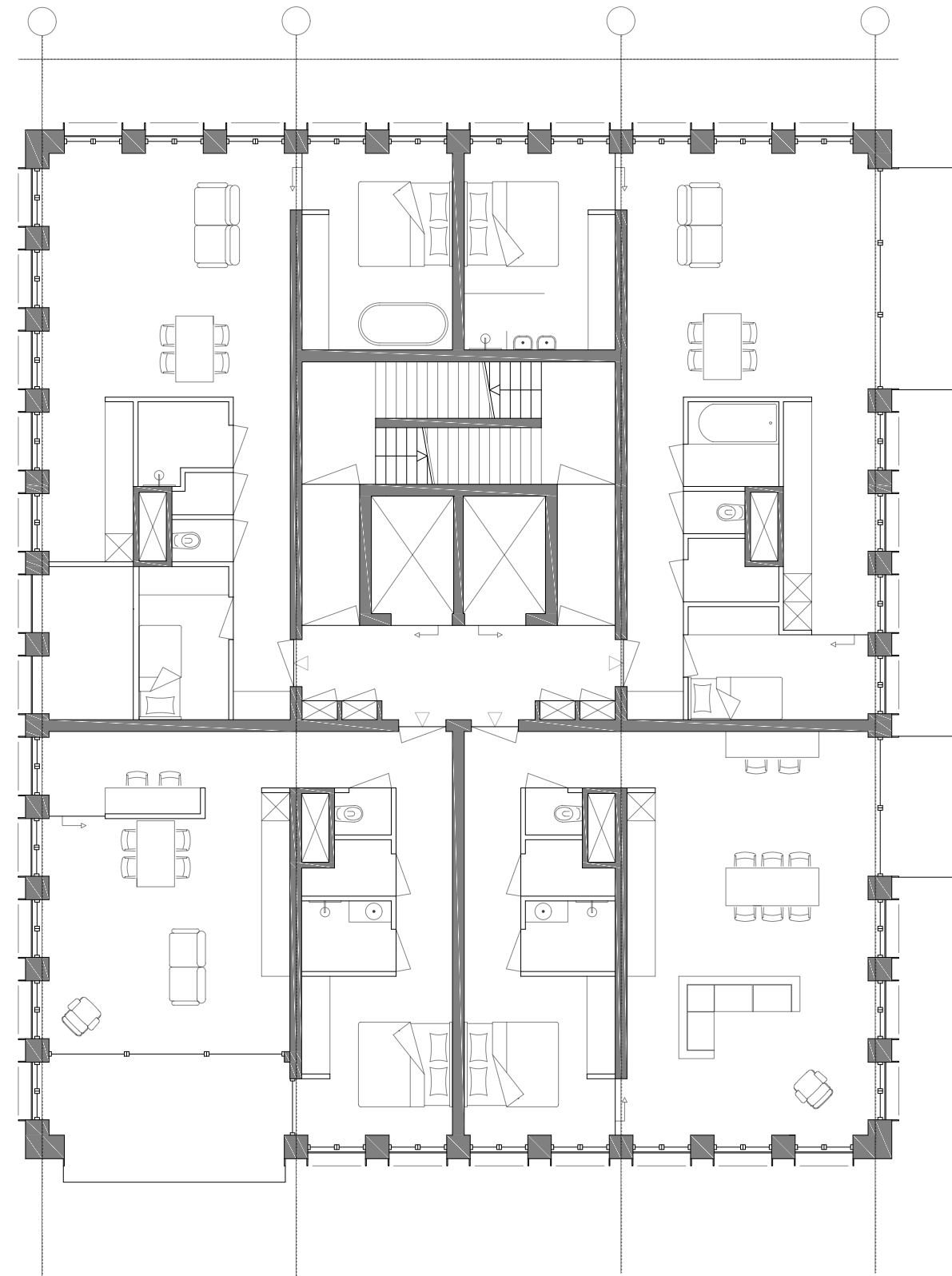
110 M² BVO + 12 M² loggia
120 M² BVO + 8 M² balkon

Type 1B: 1 persoon
7 woningen

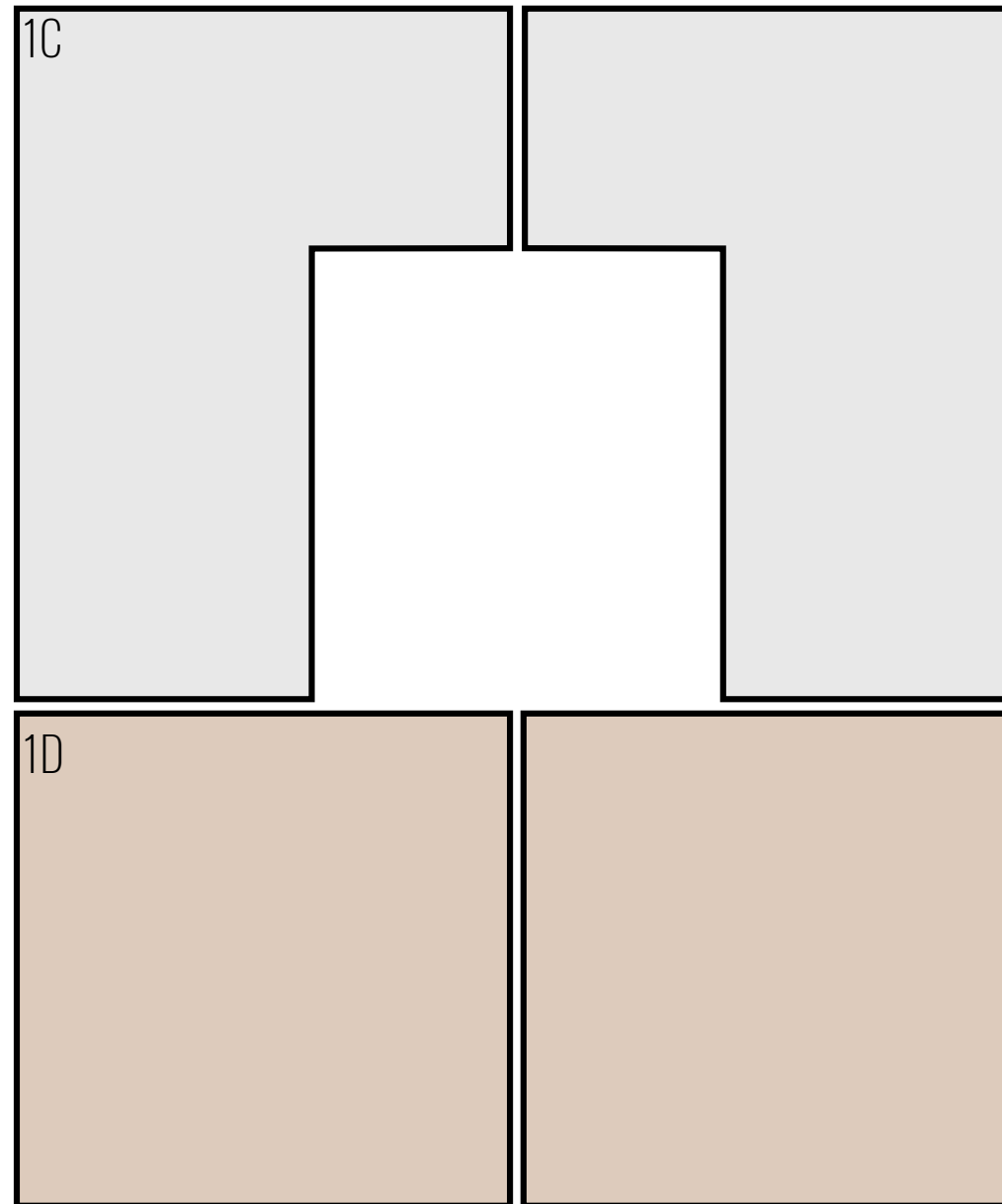
49 M² BVO+ 5 M² loggia







Live/work-building - design - *private structure*

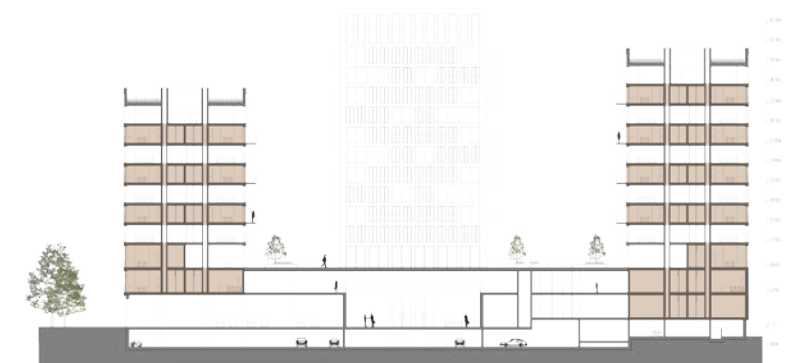


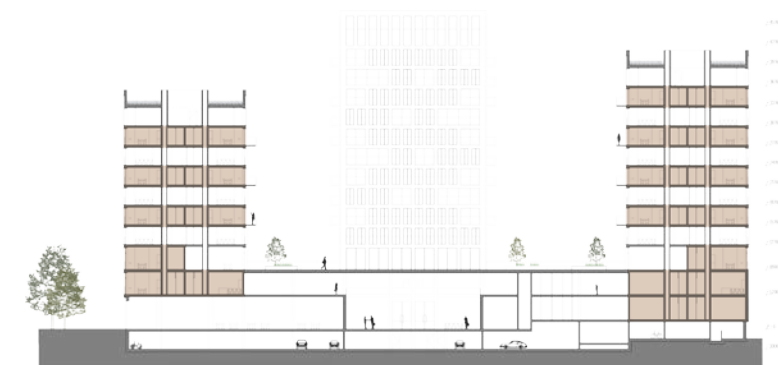
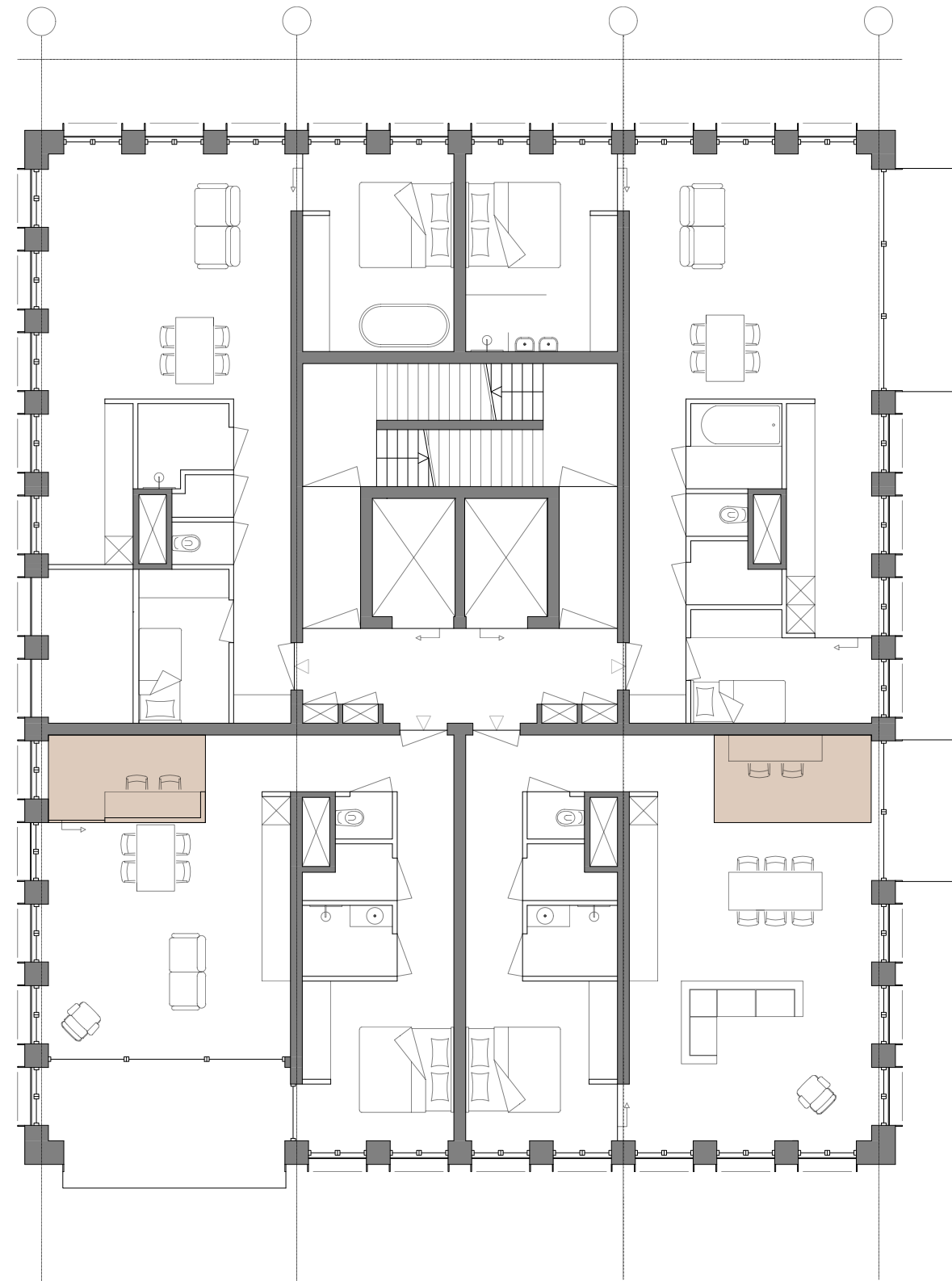
Type 1C: 2/3 personen
22 woningen

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 - *private structure*

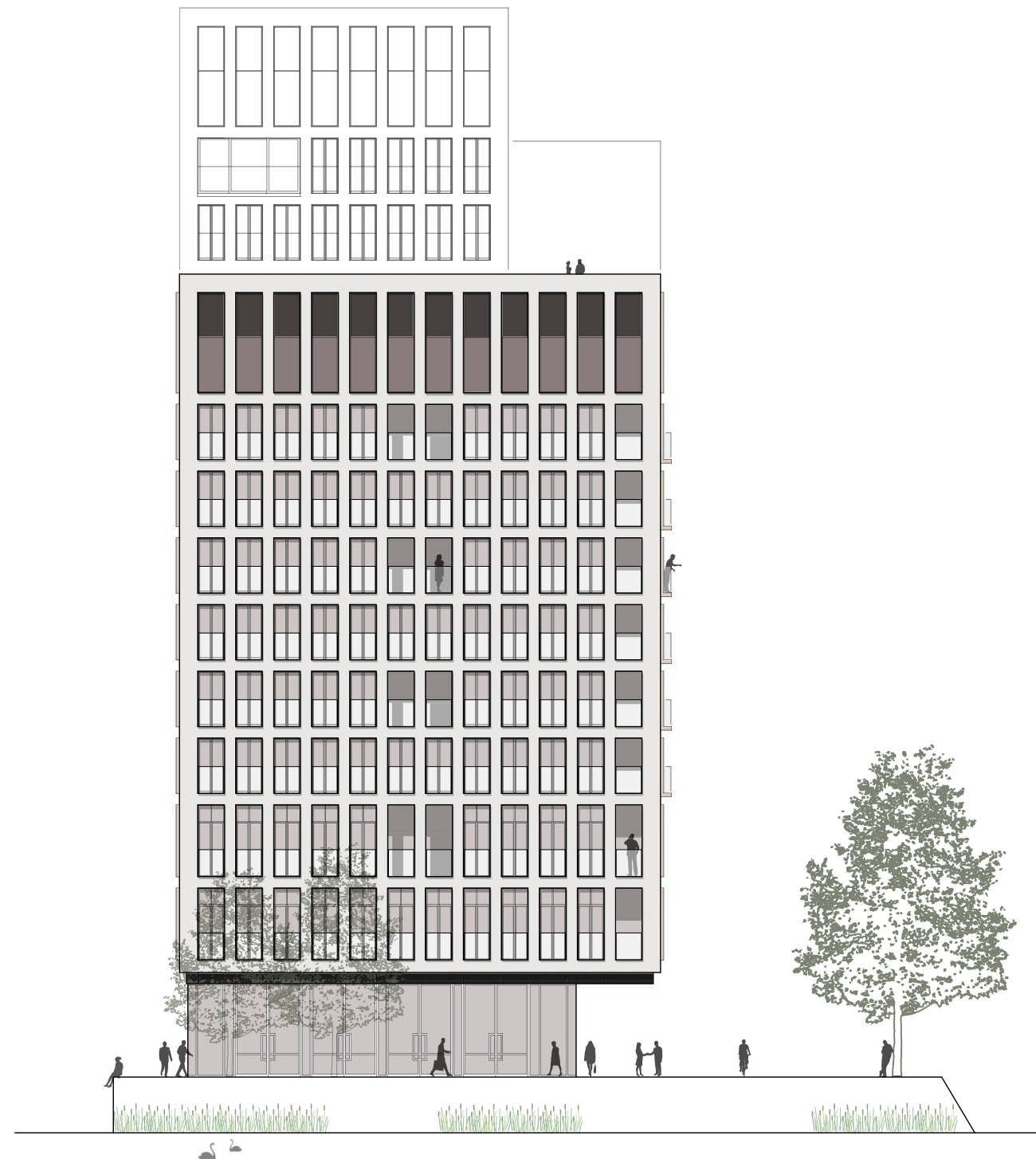


design

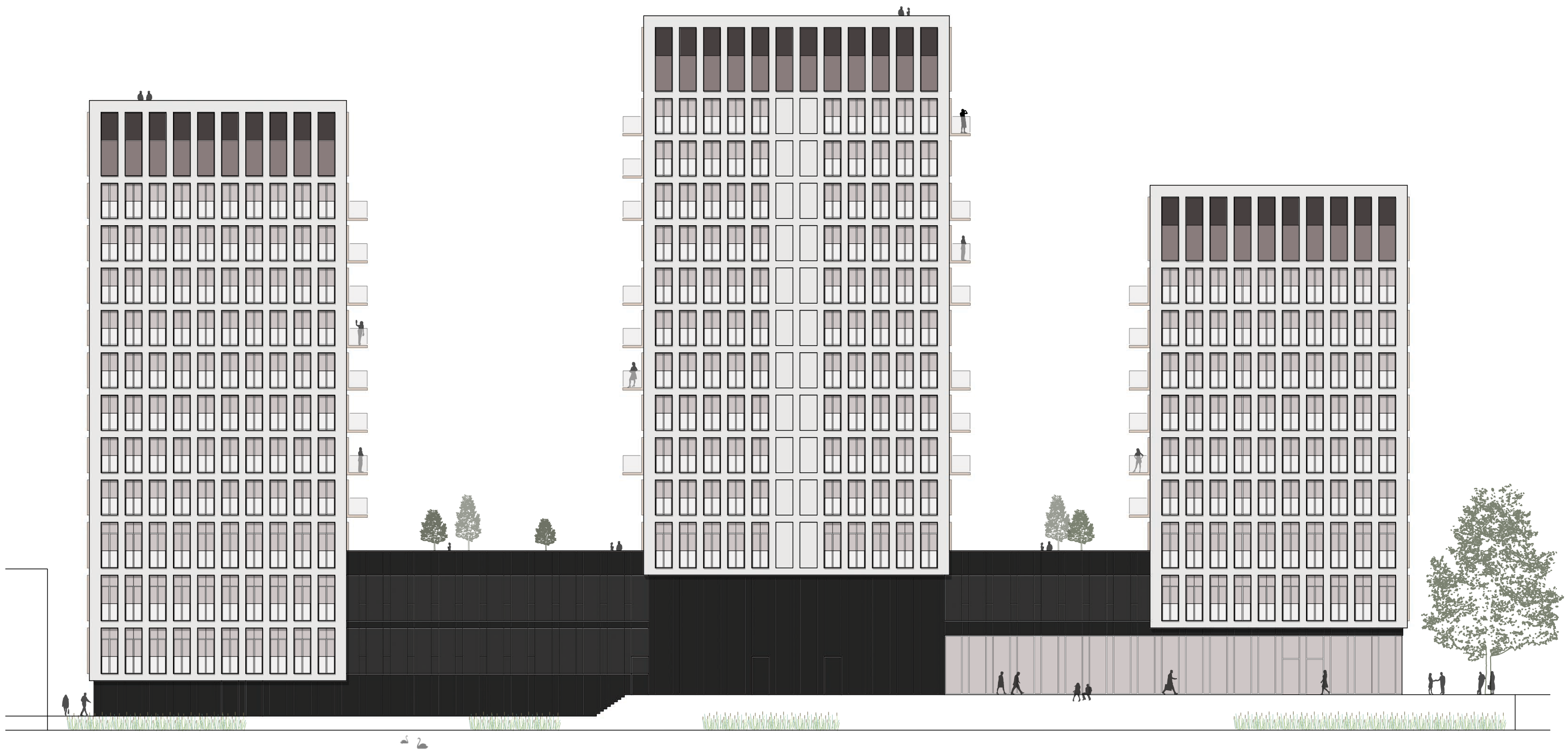
facades



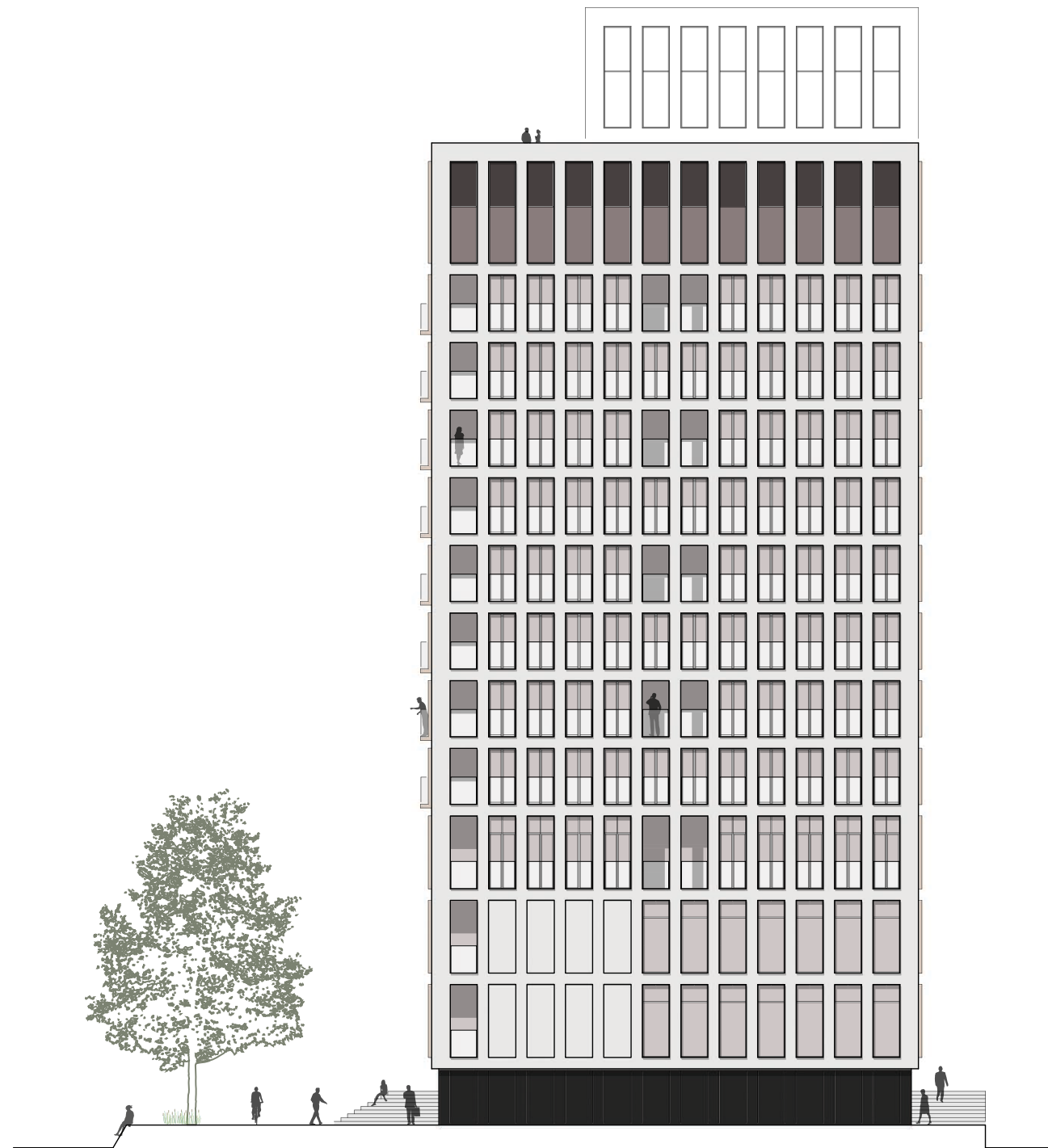
Live/work-building - design - *south facade*



Live/work-building - design - *west facade*

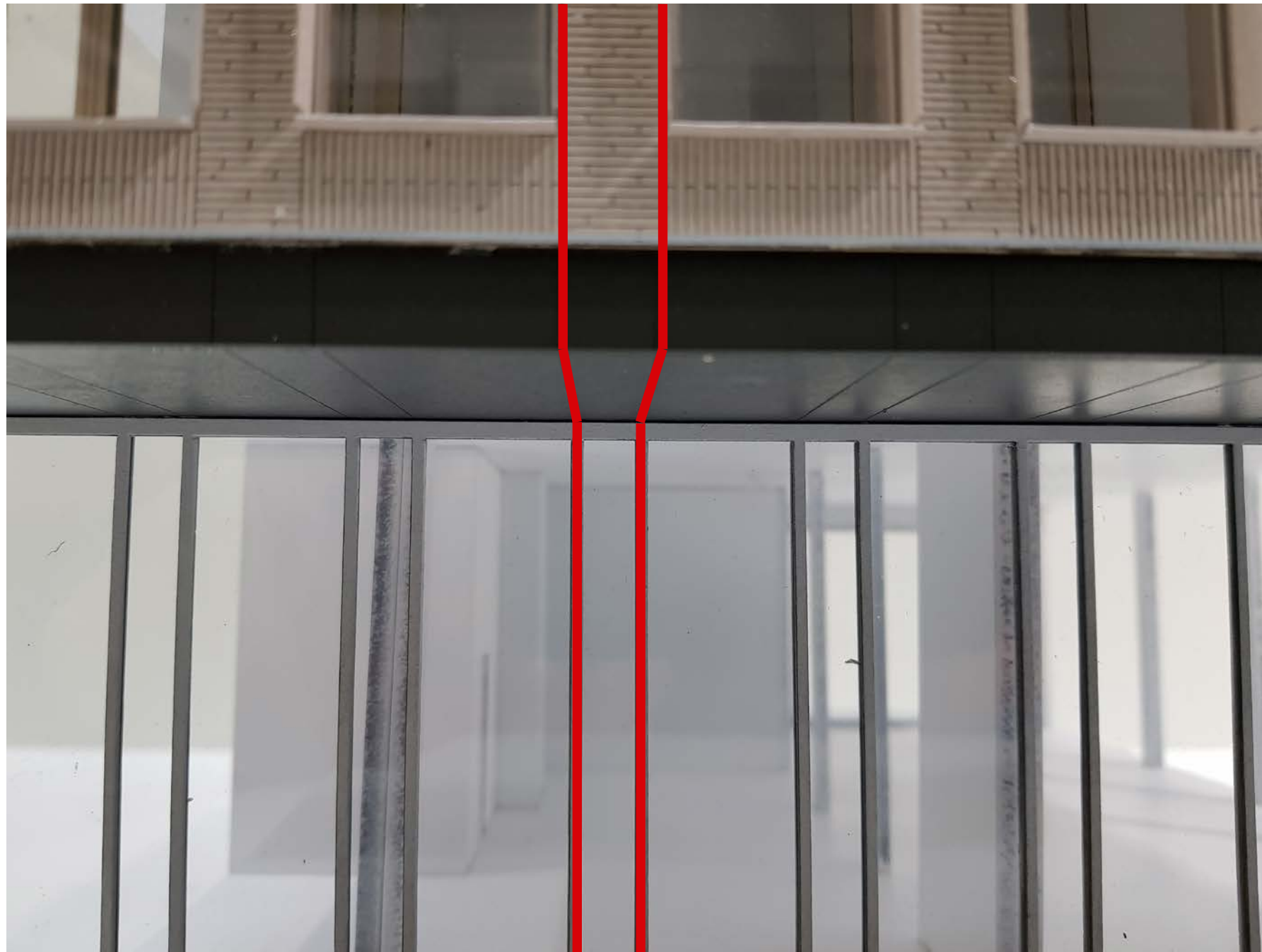


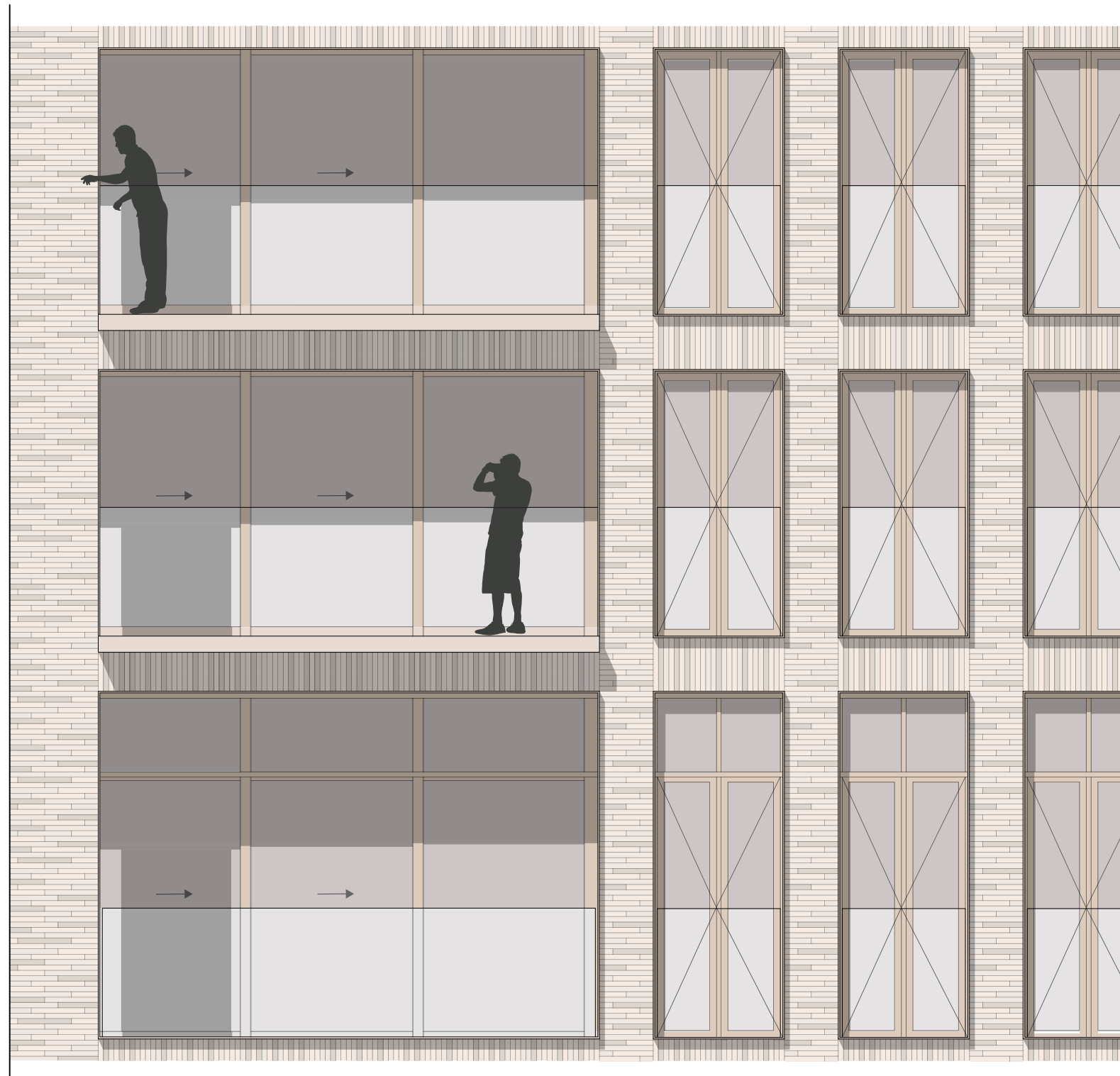
Live/work-building - design - *north facade*



Live/work-building - design - *east facade*



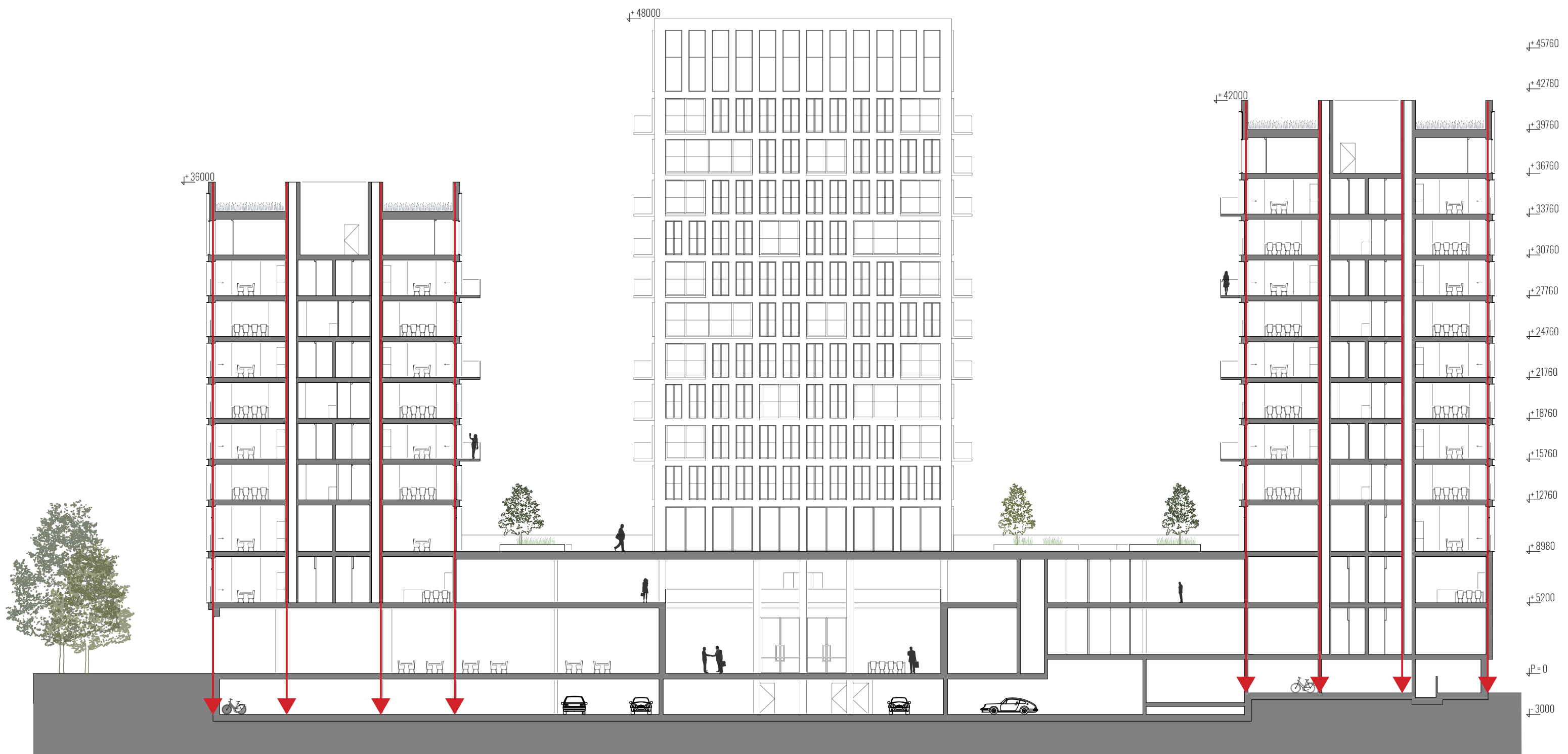


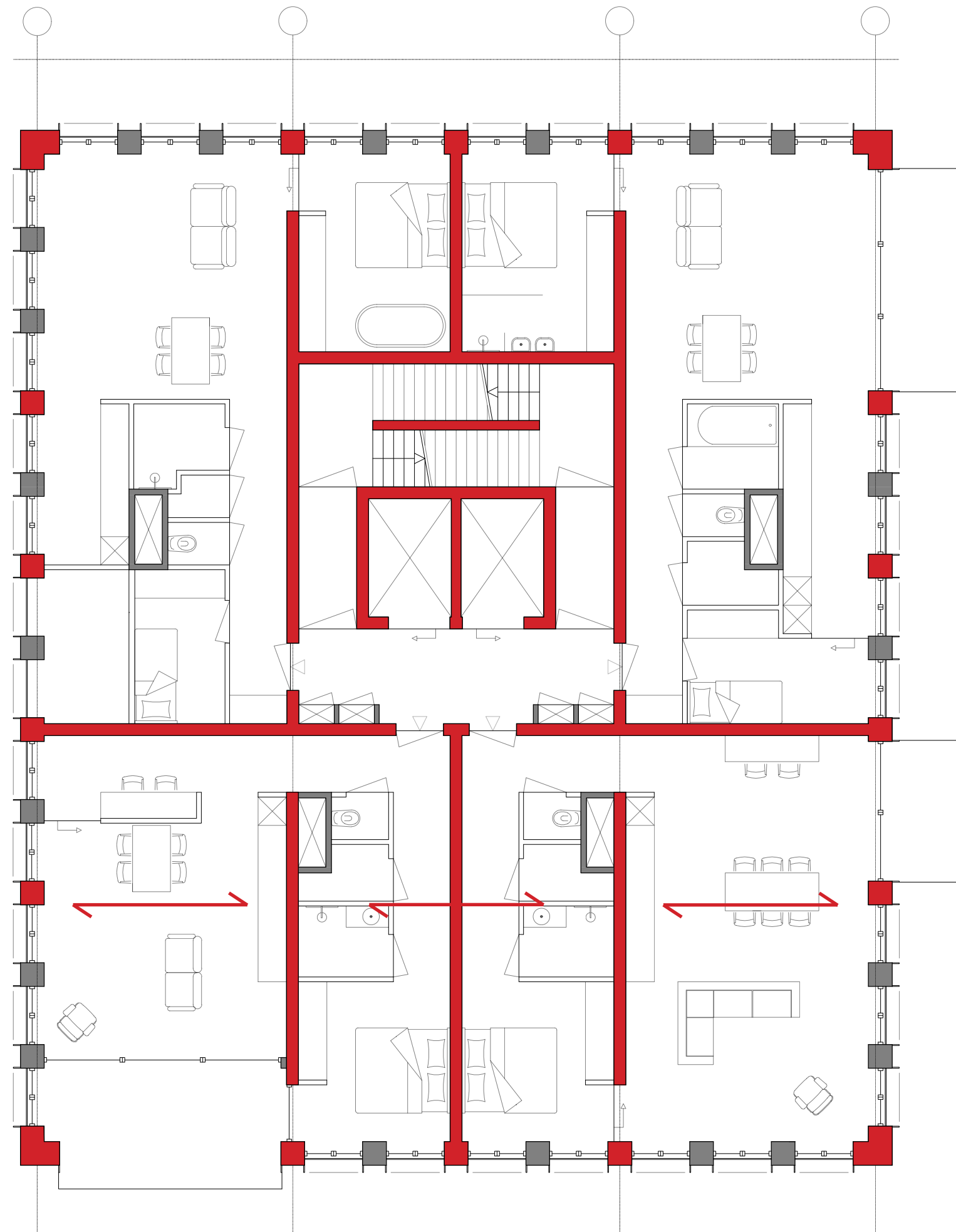




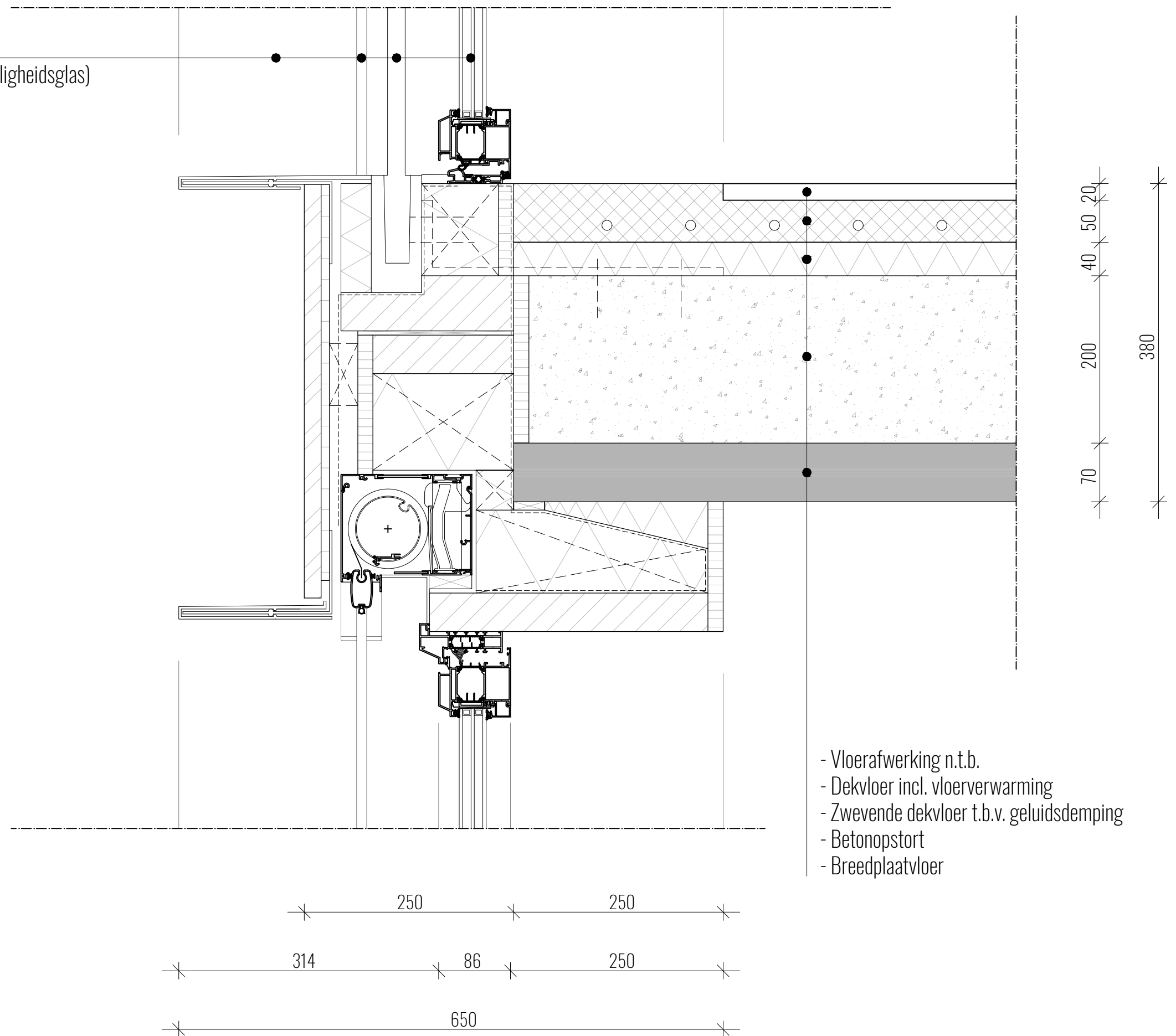
building technology

construction



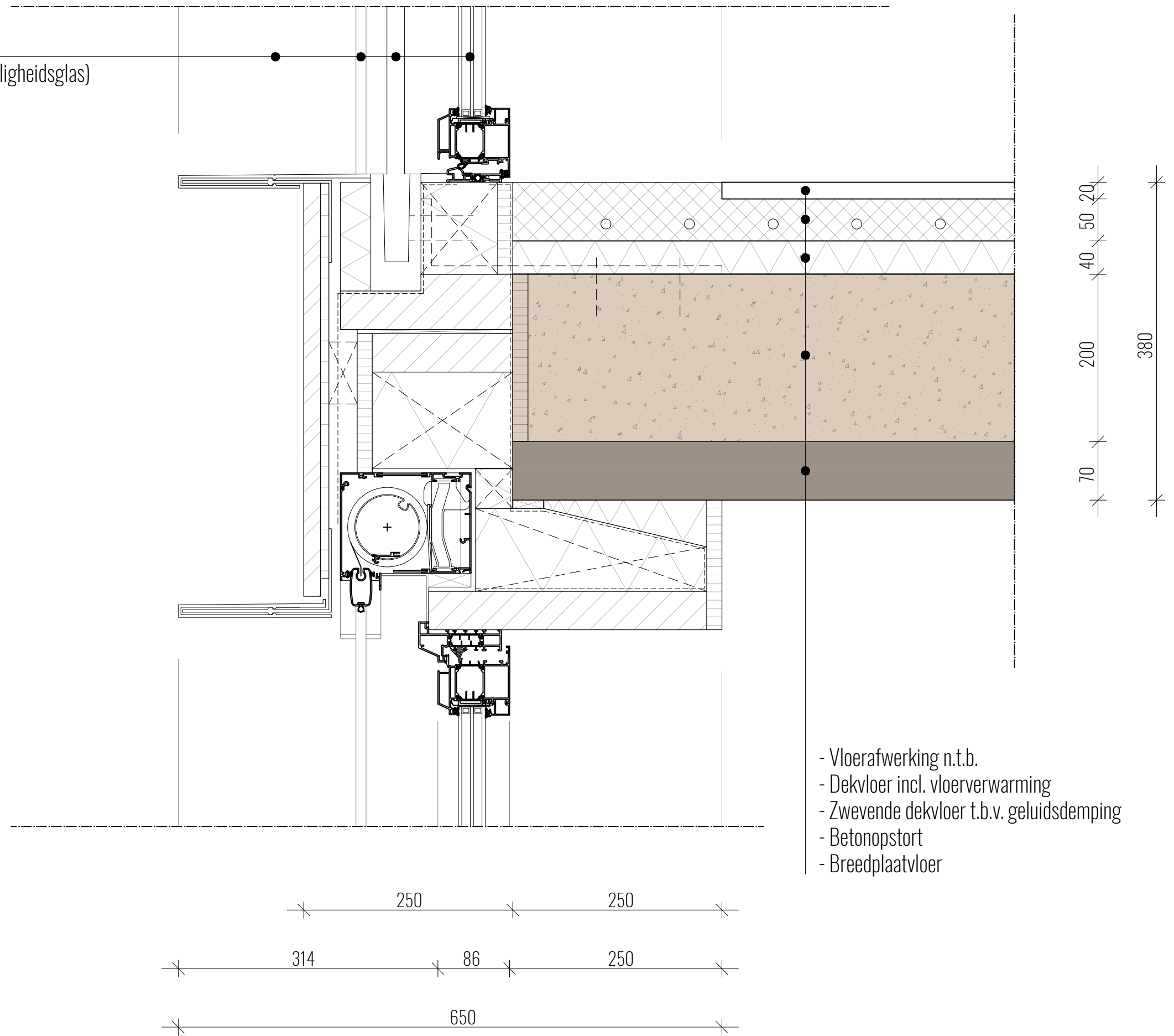


- Aluminium kozijn met HR++ triple glas (veiligheidsglas)
Reynaers SL 38
- Glasbalustrade
Storax Trans-level 60 (1,0 kN)
- Zonwering zijgeleider
Ducoscreen Top 120 FIX
- Aluminium kader



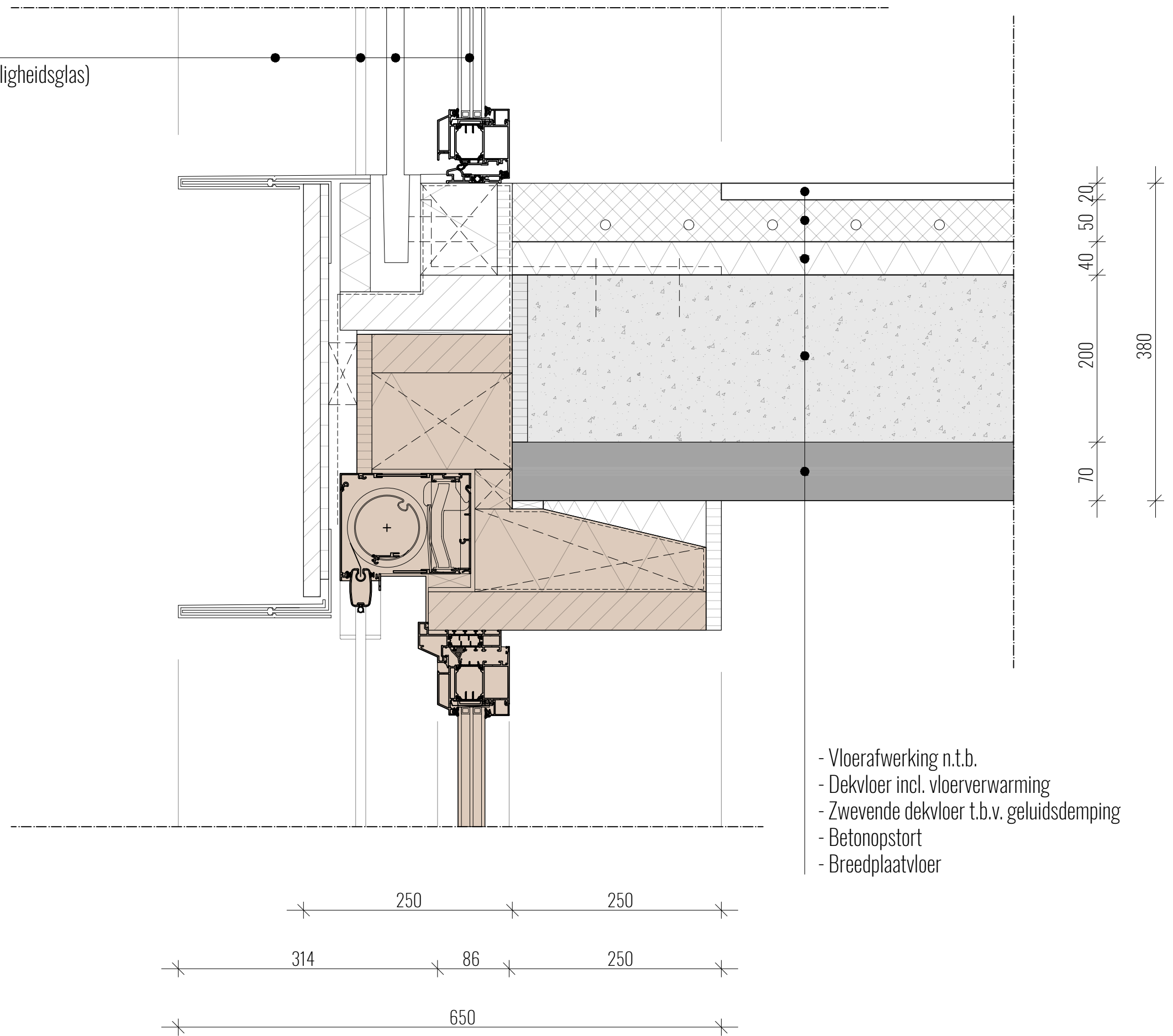
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- Dekvloer incl. vloerverwarming
- Zwevende dekvloer t.b.v. geluidsdemping
- Betonopstort
- Breedplaatvloer

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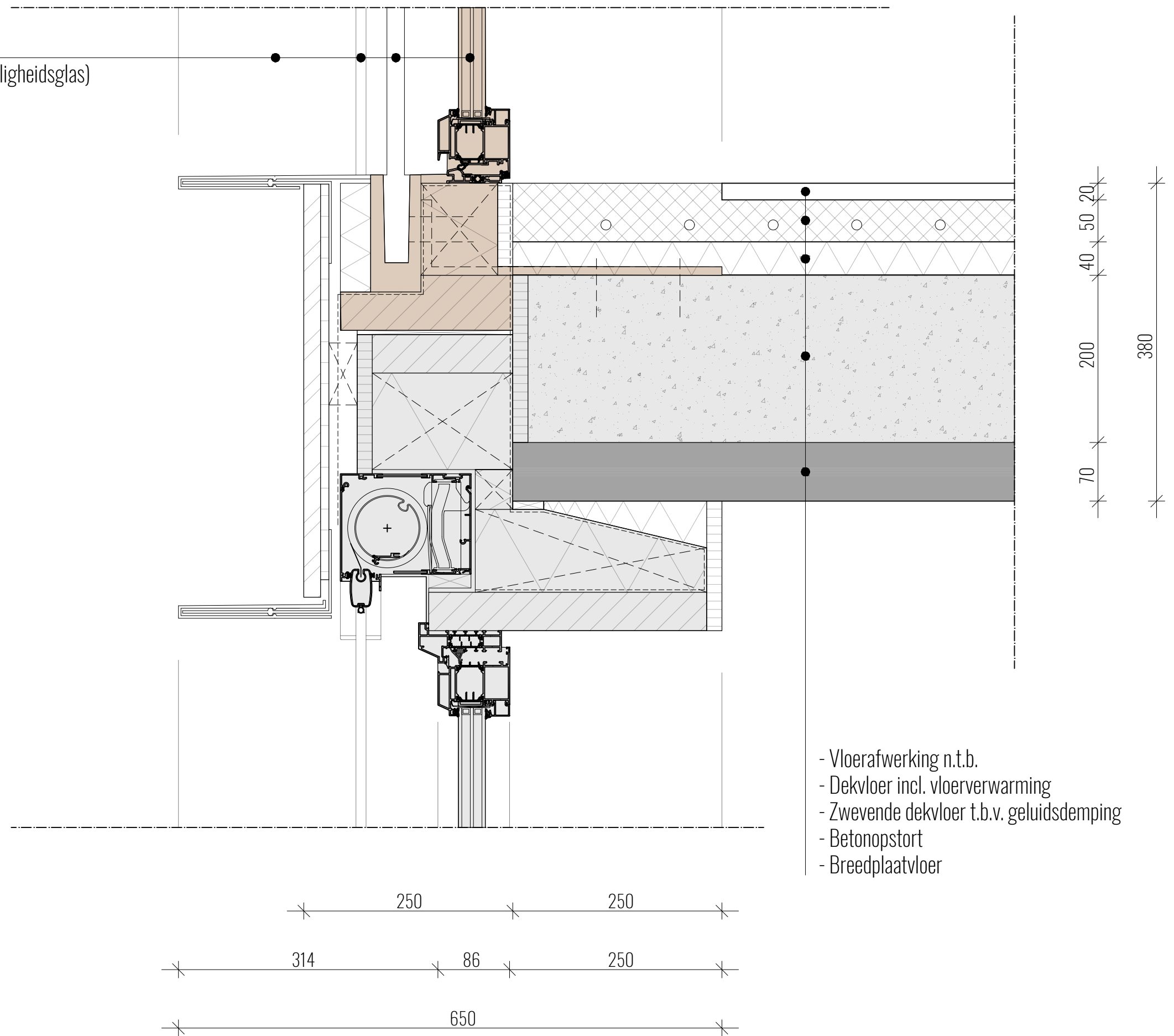
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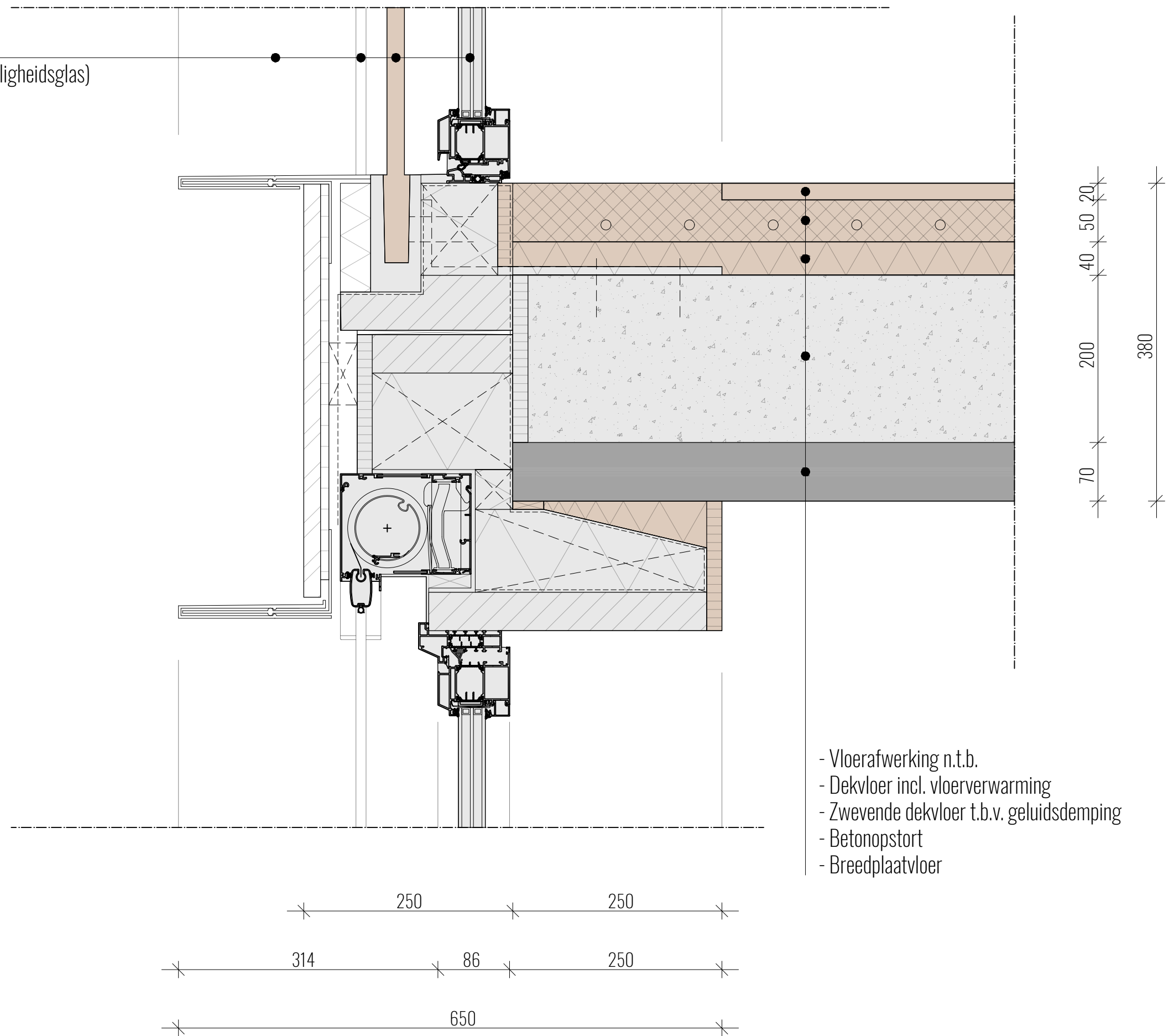
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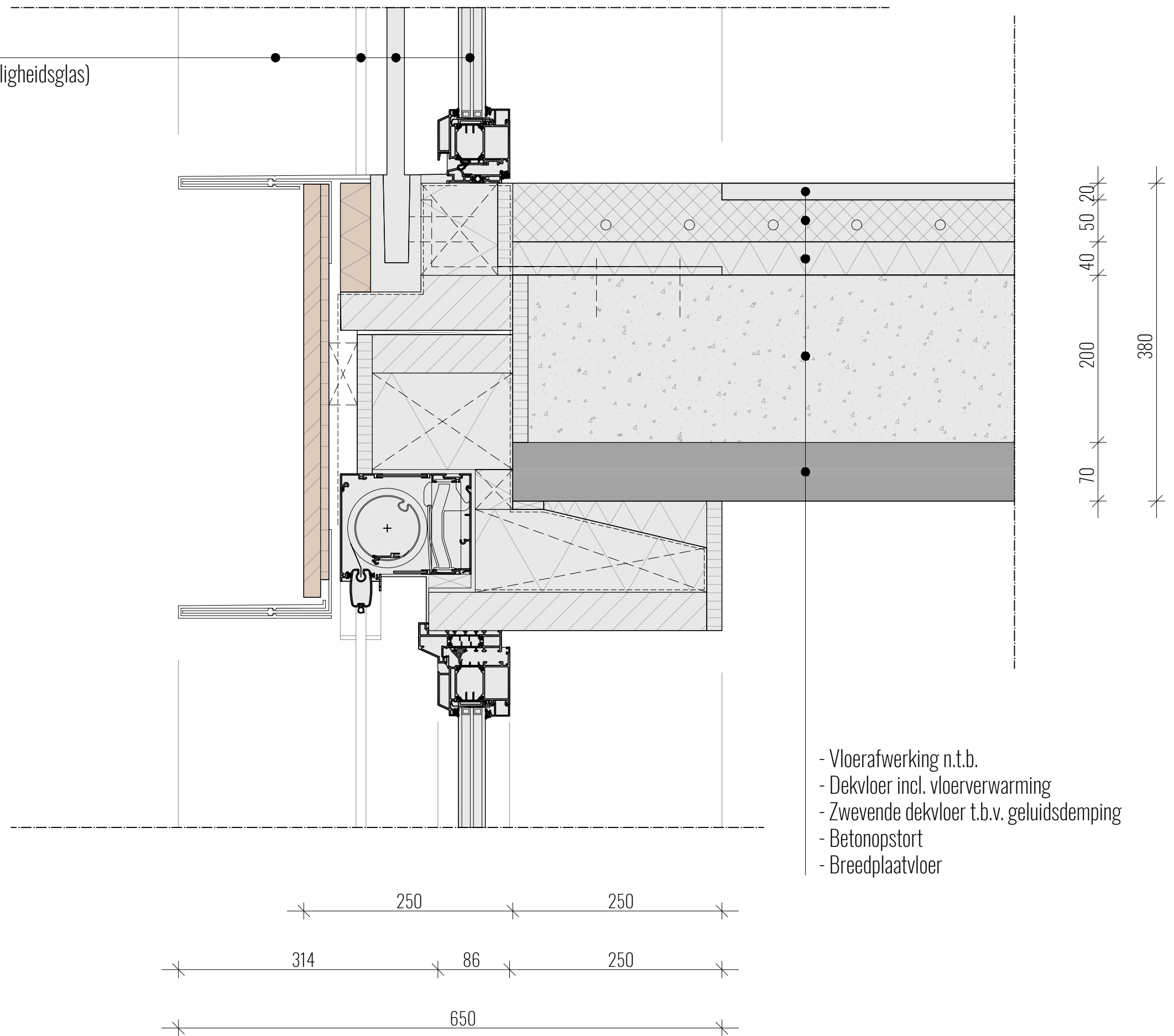
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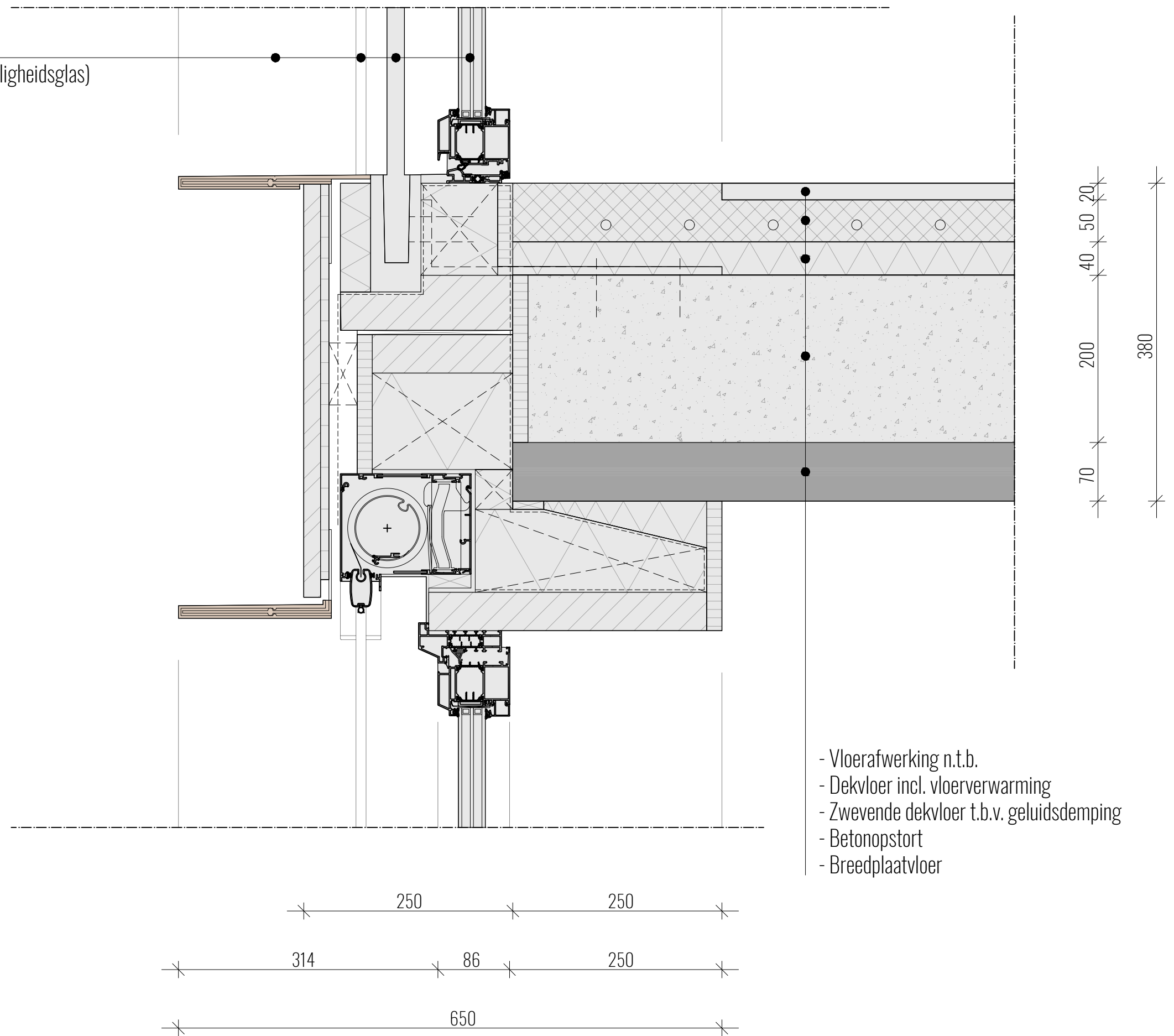
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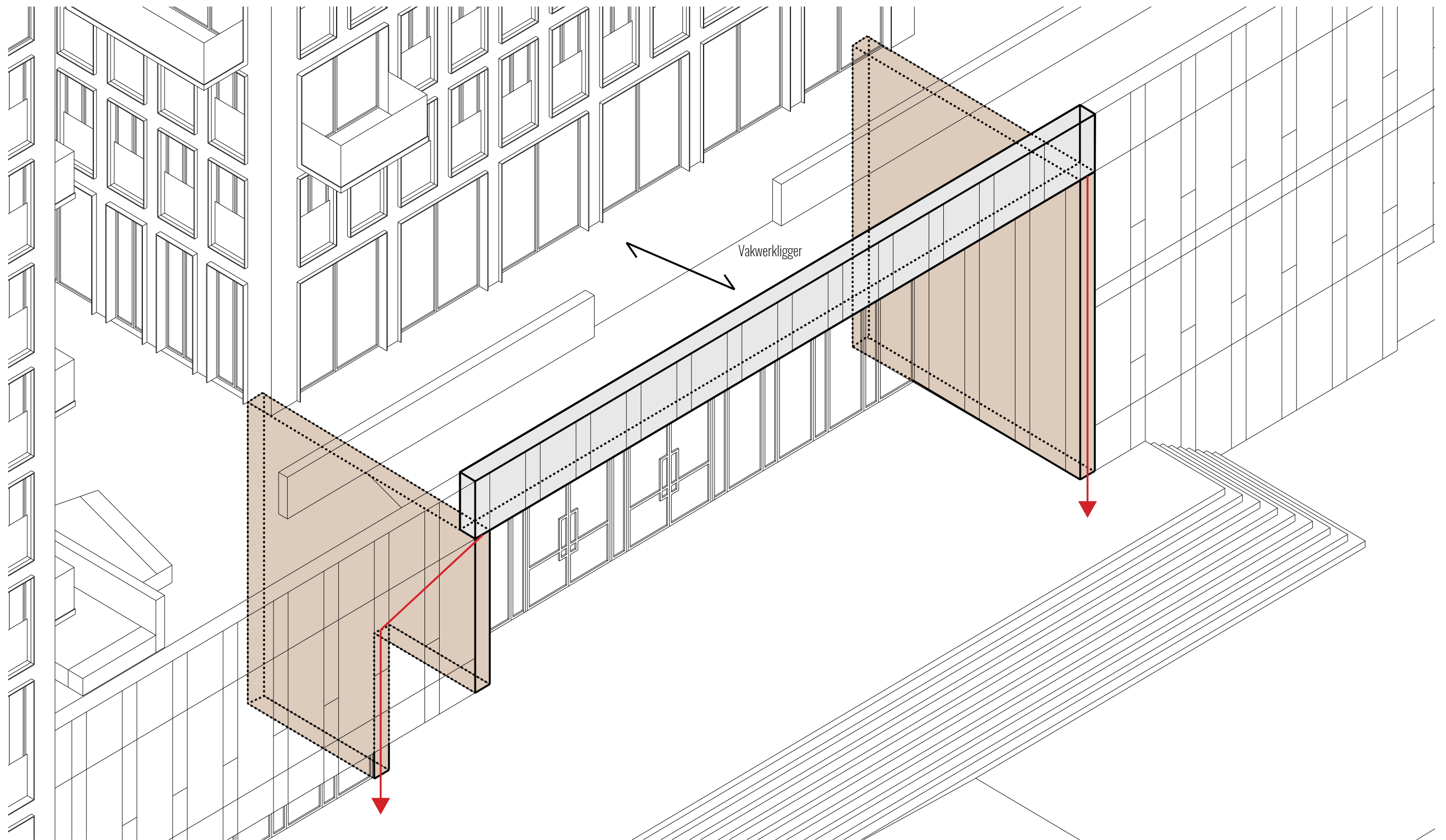


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building technology

climate





