

Multicultural Housing

A neighborhood where everybody feels at home



Content

Problem statement

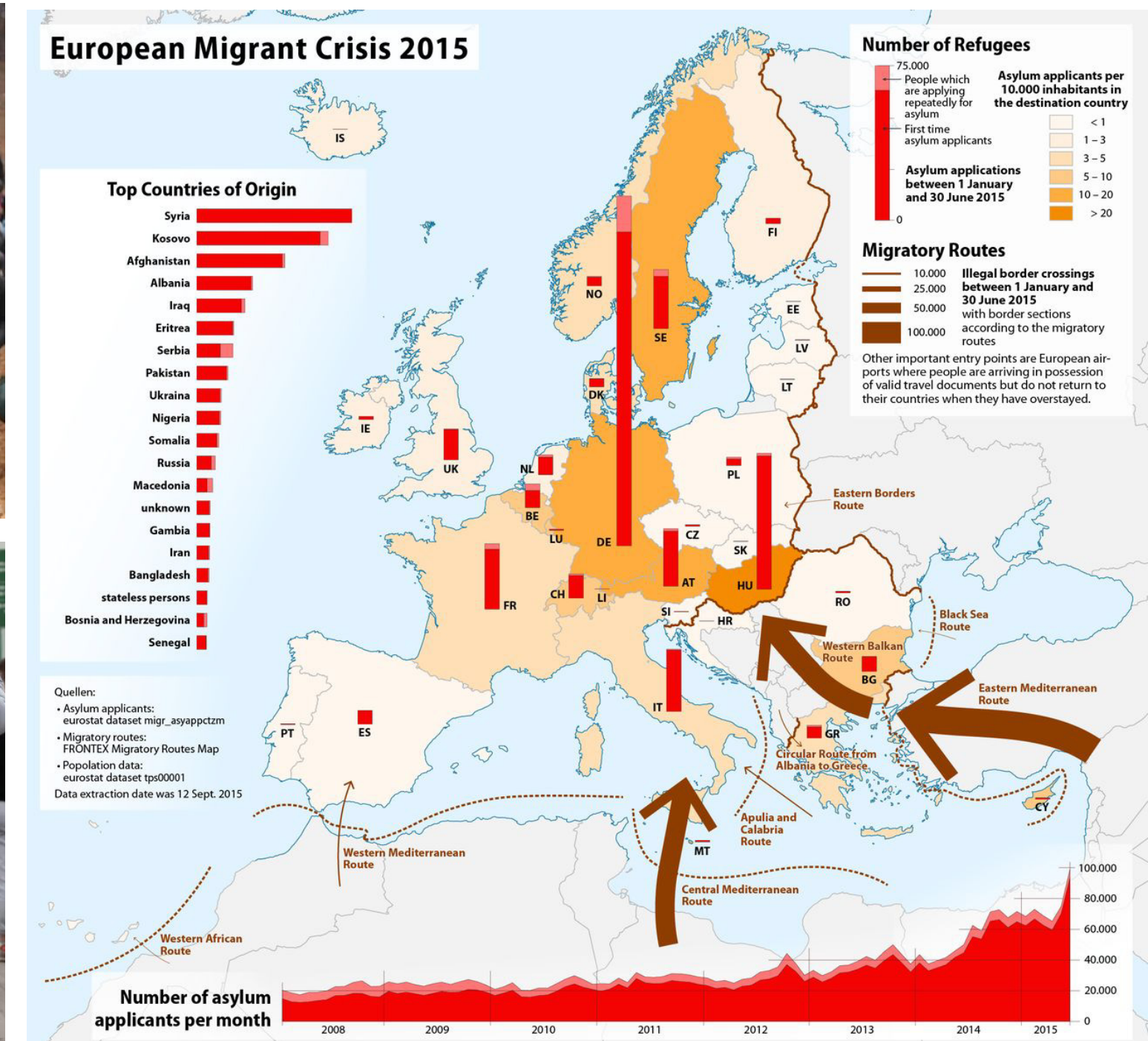
Research

Location

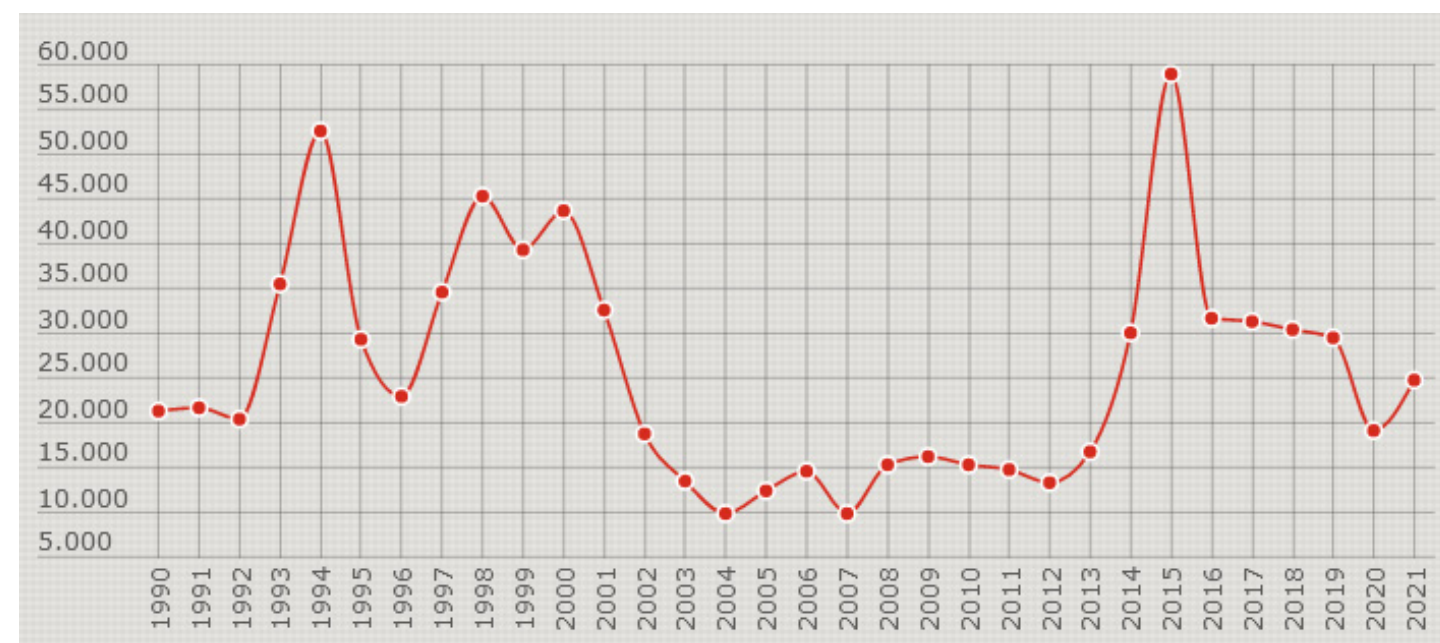
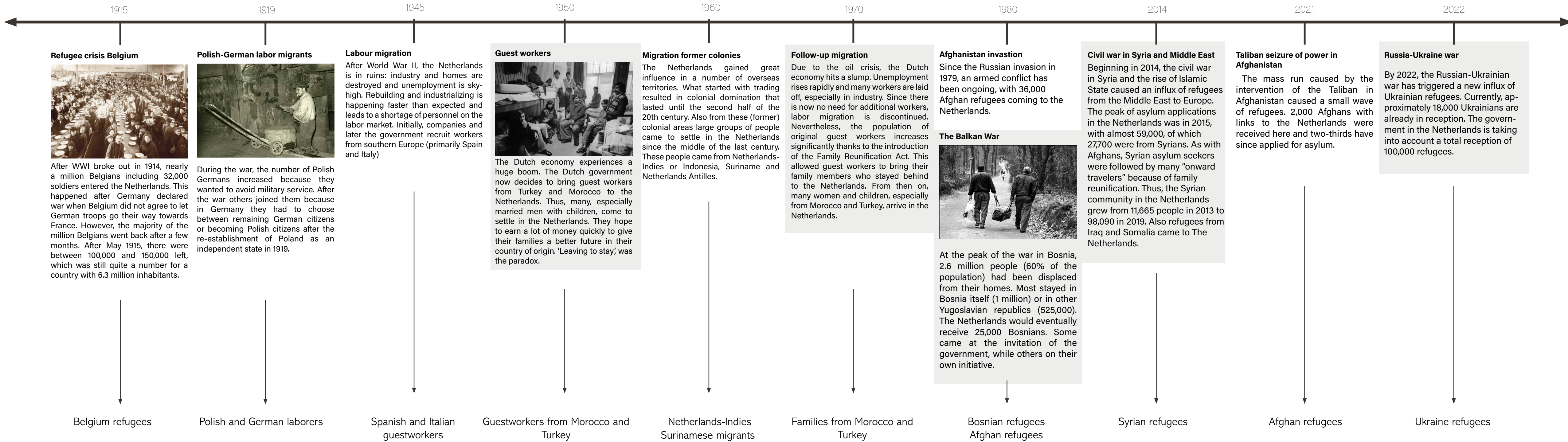
Design

Building Technology

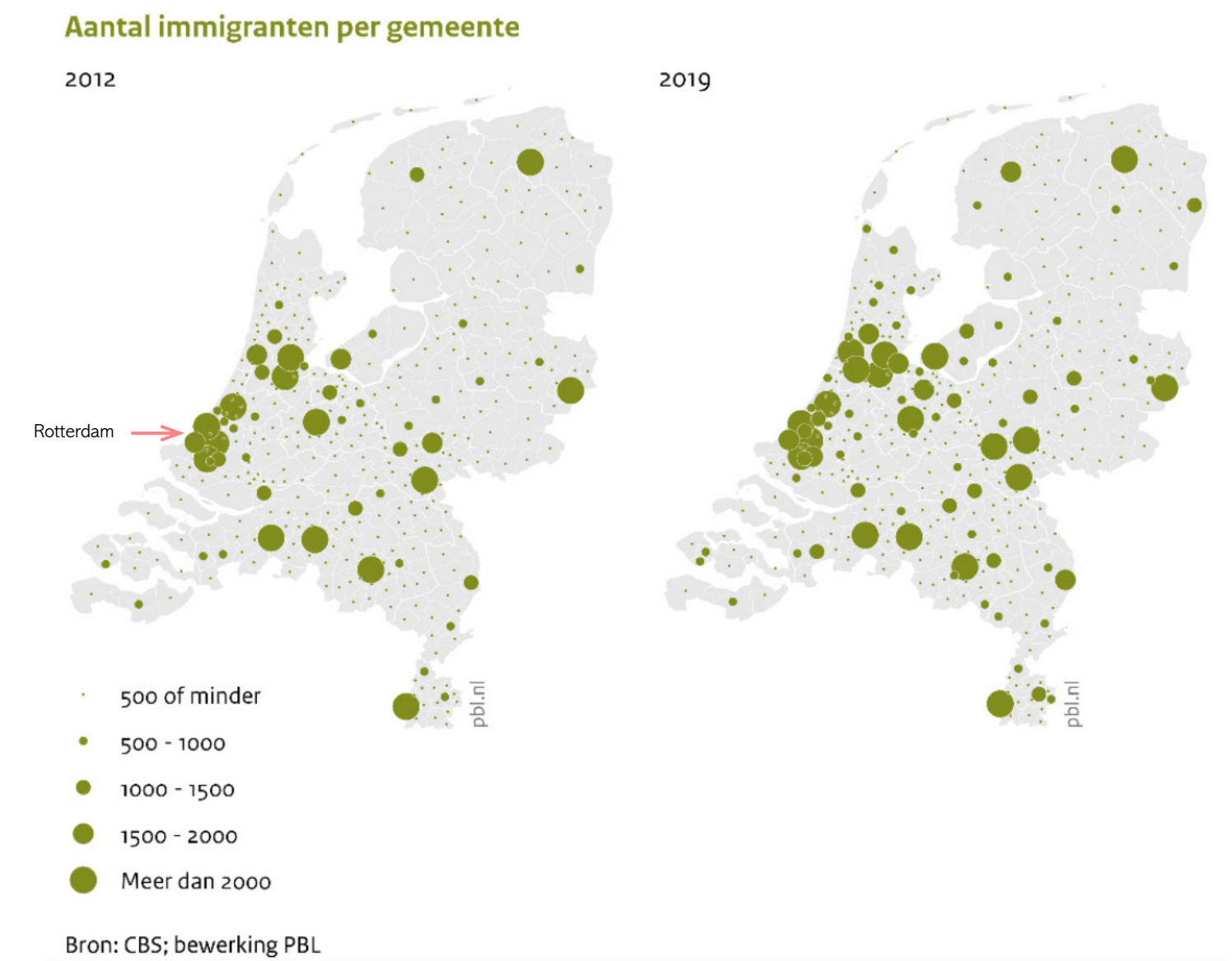
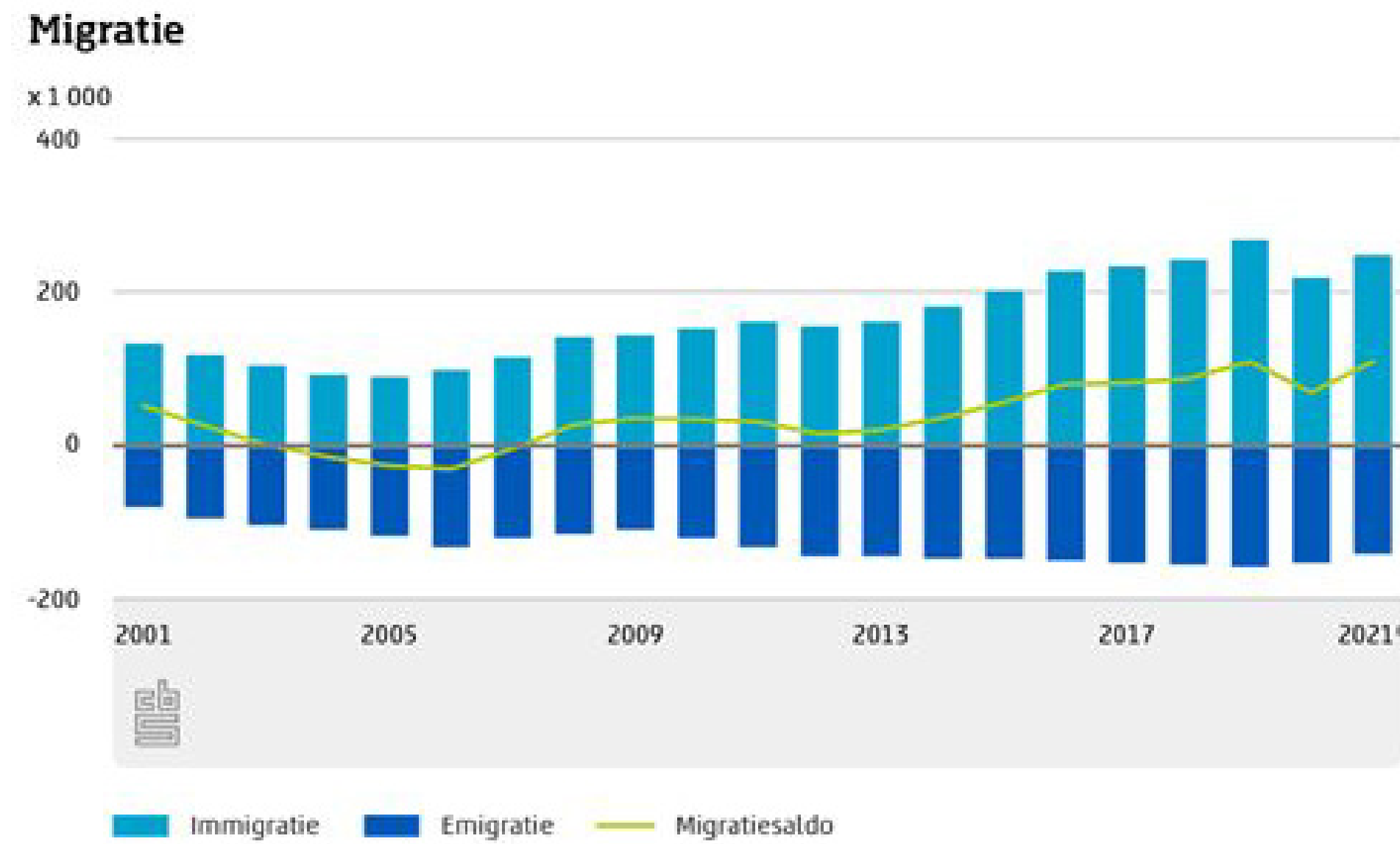
Studio topic: Migration



Migration: Historical point of view



Problem & Relevance:
Housing- & migrant crisis & urban densification



https://en.wikipedia.org/wiki/2015_European_migrant_crisis
<https://www.pbl.nl/nieuws/2021/vestigingspatronen-van-immigranten-in-nederland-wijzigen>
<https://www.cbs.nl/nl-nl/dossier/dossier-asiel-migratie-en-integratie/hoeveel-immigranten-komen-naar-nederland->
<https://www.cbs.nl/nl-nl/nieuws/2022/04/bijna-69-duizend-nieuwbouwwoningen-in-2021>



<https://ifthenisnow.eu/nl/gebeurtenissen/de-komst-van-de-eerste-gastarbeiders>
<https://www.mooinoord-holland.nl/portfolio-items/leidraad-poelenburg/>

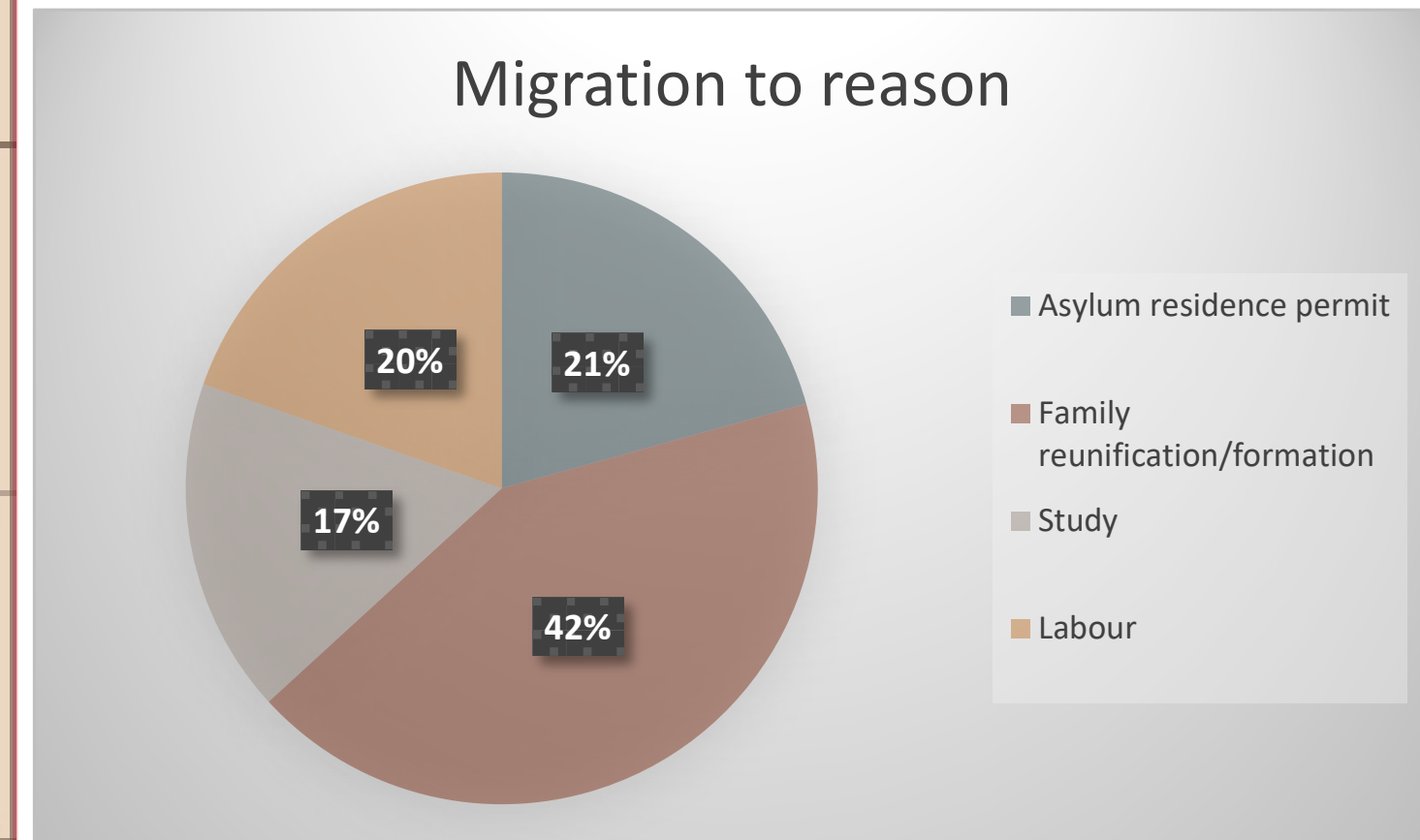


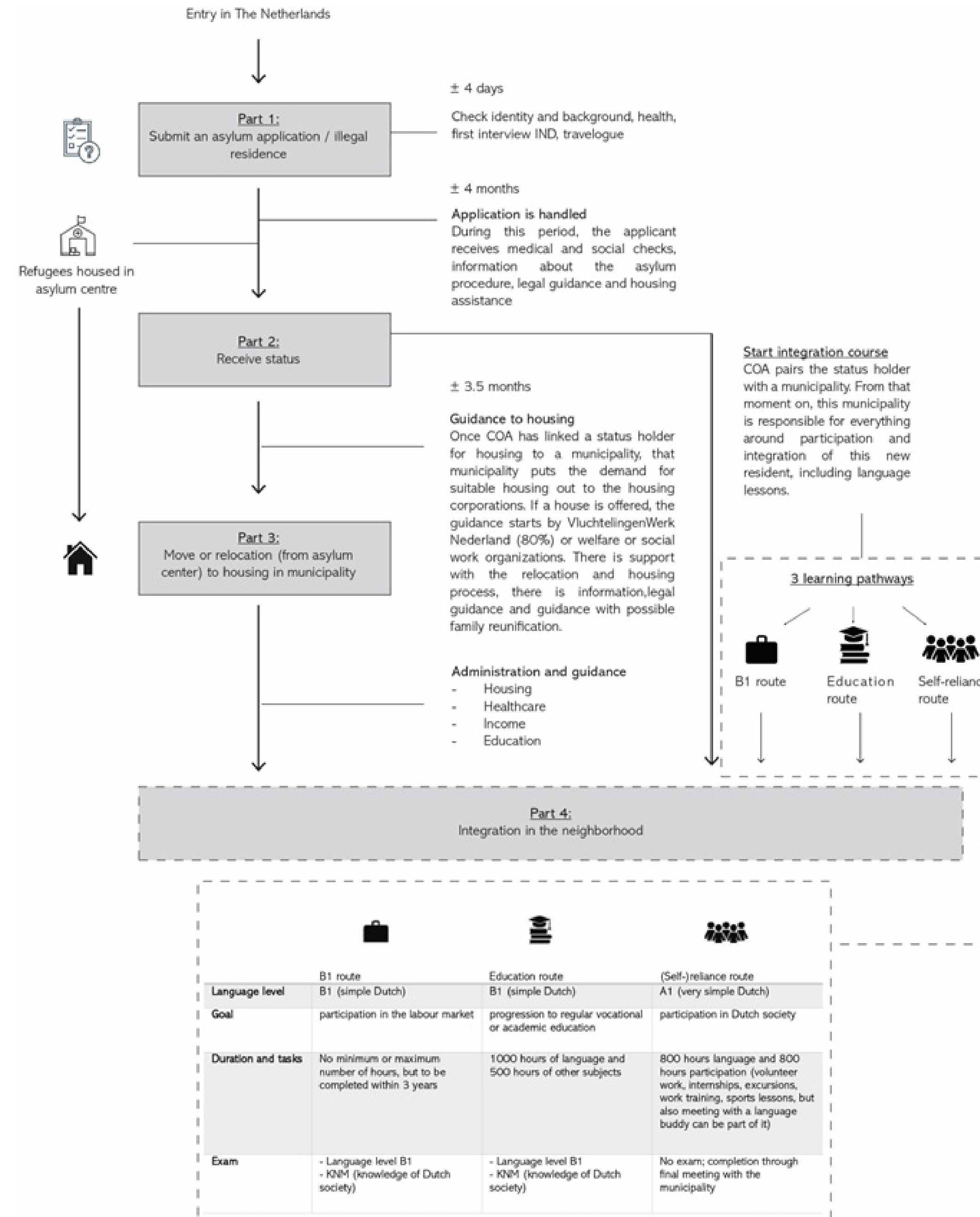
How can the post-war neighborhood be **densified in an inclusive way (3)**, so that the **social and functional integration (2)** of **long-term migrants (1)** is promoted and it can give them an enhanced **sense of belonging (4)**.

- (1)** *Who are the migrants in the Netherlands and how is their housing in post-war neighborhood handled now?*
- (2)** *What are the spatial and functional architectural and urban design ingredients that can promote social and functional integration of immigrants?*
- (3)** *How to create an architectural and densified urban environment that engages both migrants and local residents?*
- (4)** *What are the spatial and functional architectural and urban design ingredients related to the home and the neighbourhood, which can enhance the sense of belonging for migrants?*

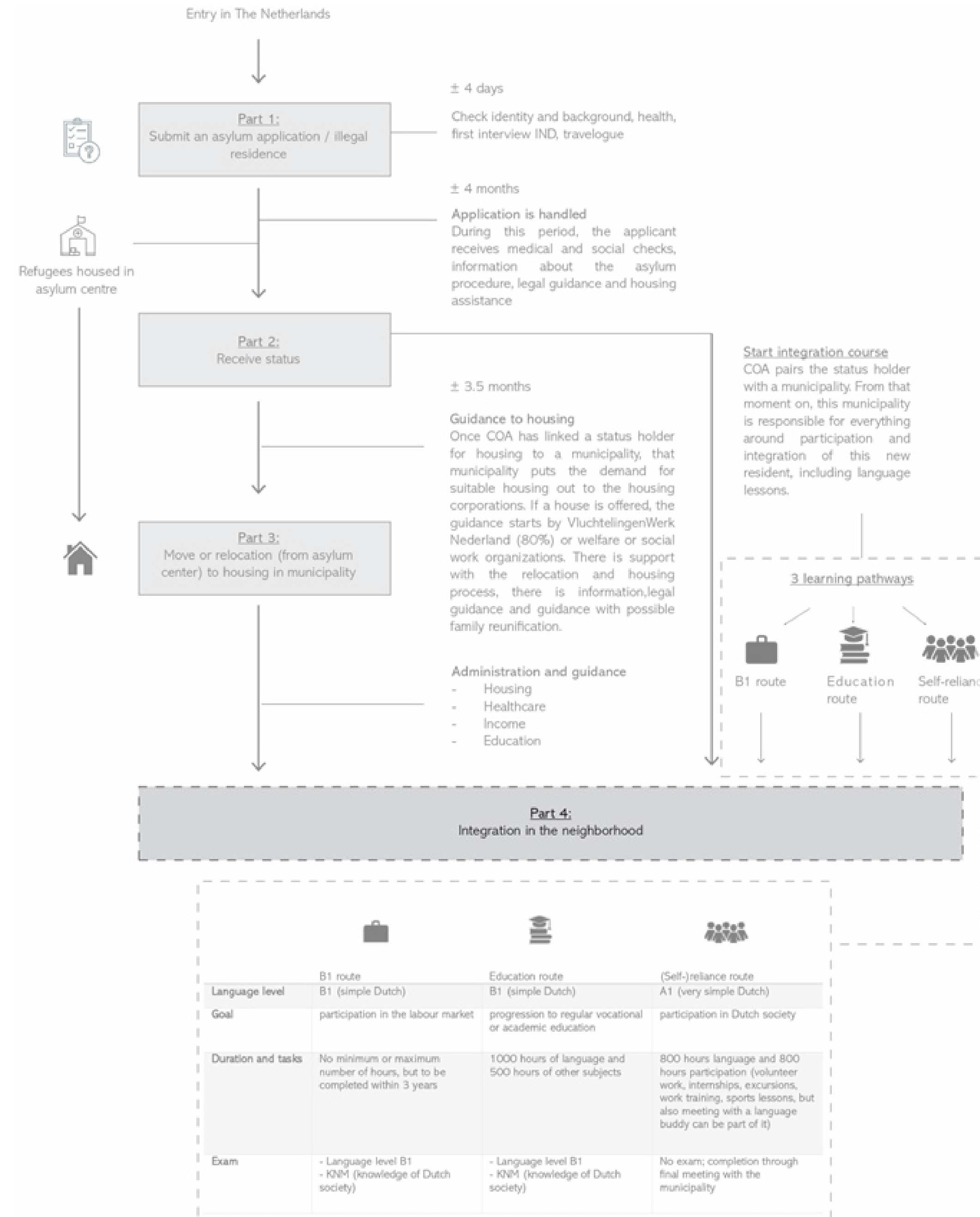
Part 1: The Migrants (& Non-migrants)

Category	Type	Goal	Composition	Background	Housing settlement
Labor migrant	Regular labor migrant	Mostly temporary for work	Mainly single (80%) Men (64%) Women (36%) 60% low-income	Mainly Polish, followed by Romanian and Bulgarian	Initially shared place, later moving to independent place
	Guestworker	Mostly temporary for work, but turned out to be long-term settlement	Mainly single, later reunifications	Mainly Turkish and Moroccan	Initially shared place, later moving to independent place
	Expatriate	Temporary for work (max 3 year)	Mainly single	International	Individual, large place
	Knowledge migrant	Temporary for work (max 4/5 year)	Mainly single	International	Individual, large place
	Refugee / asylum seeker / statusholder	Mostly long-term settlement	Both single and families Mainly men Exception: Ukrainian	Mainly Syrian and Ukrainian, followed by Afghan, Yemen and Eritrea	Initially institutional, later moving to independent place
	International student	Temporary for education	Mainly single	West-EU East-EU Other	Individual, small place

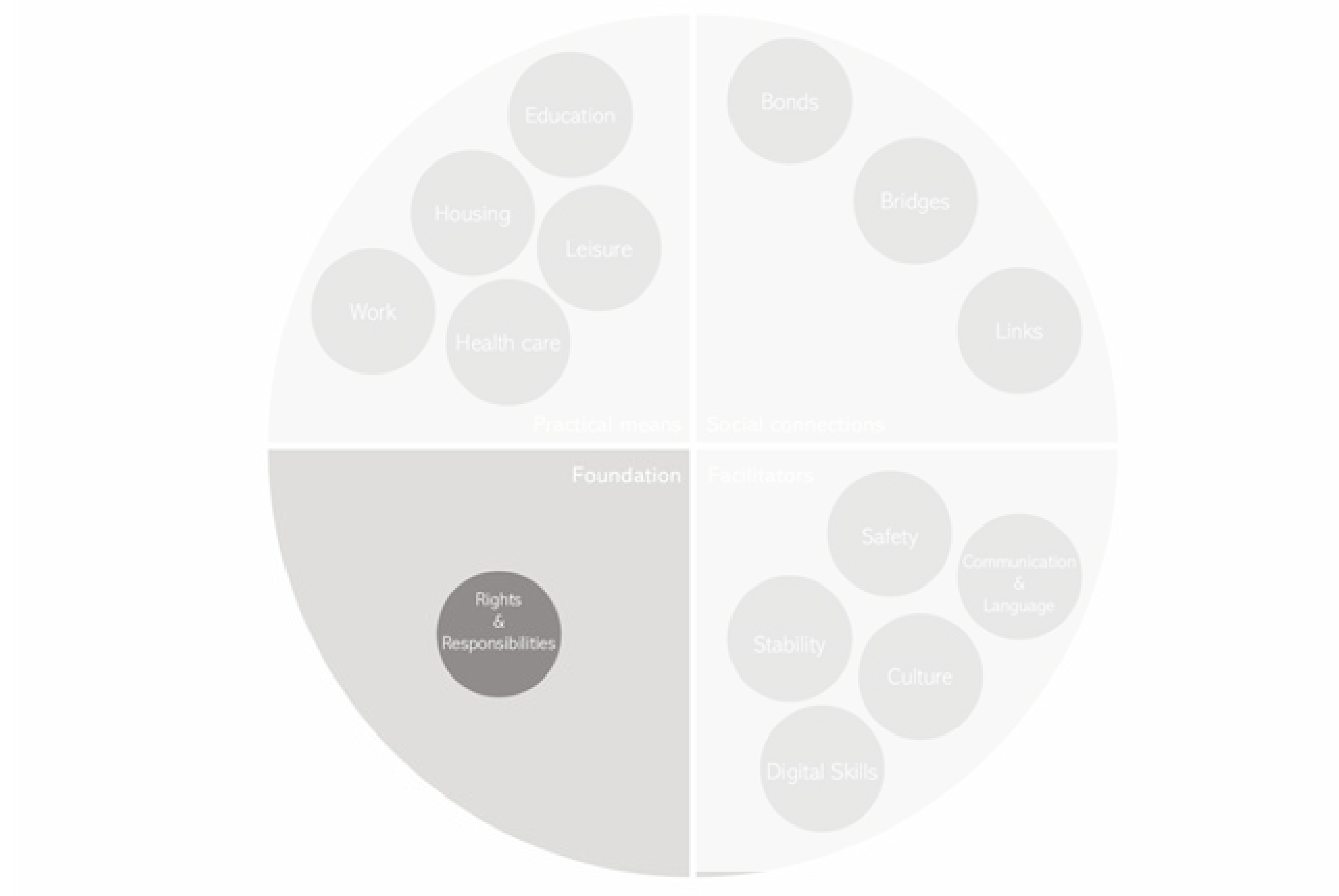


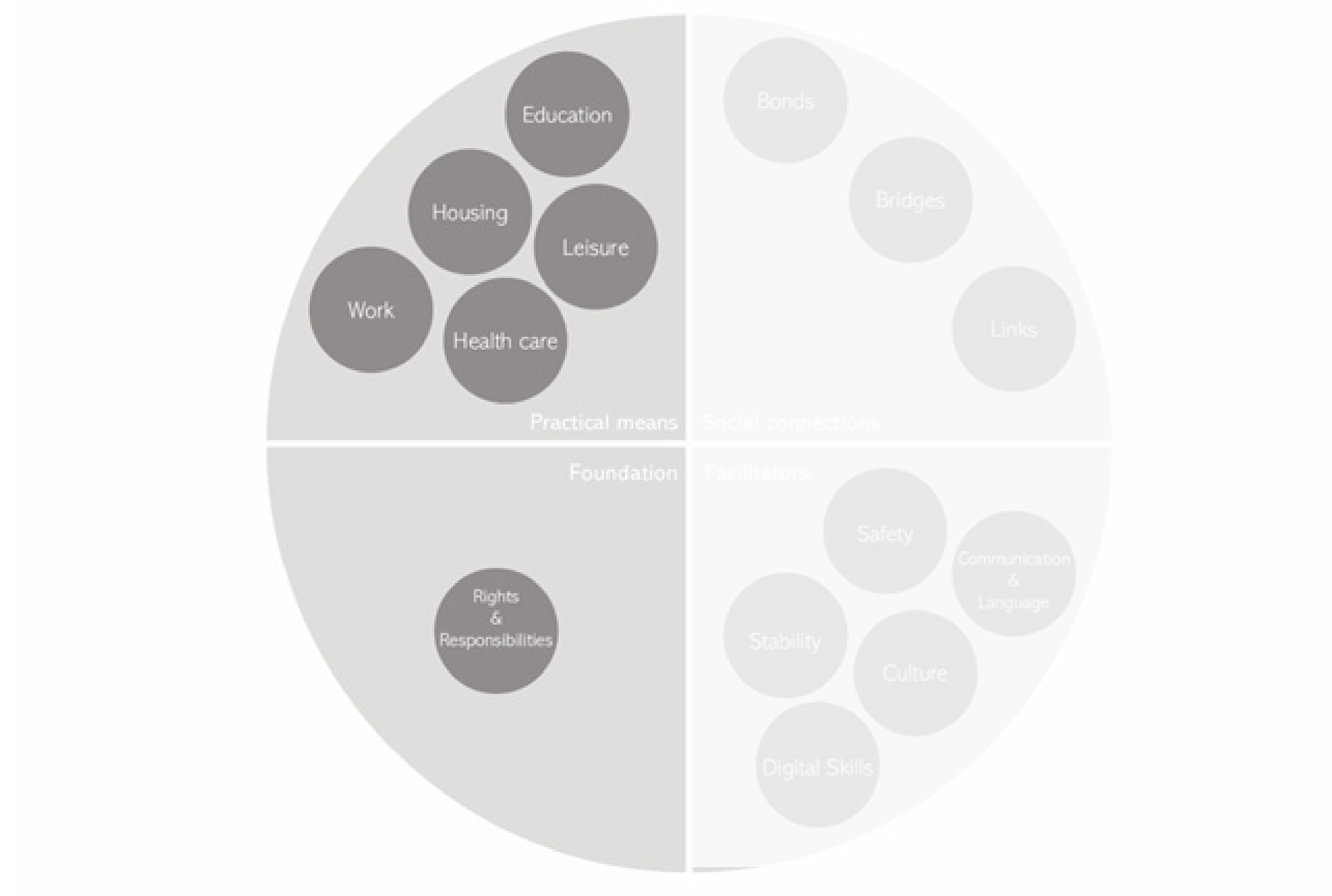


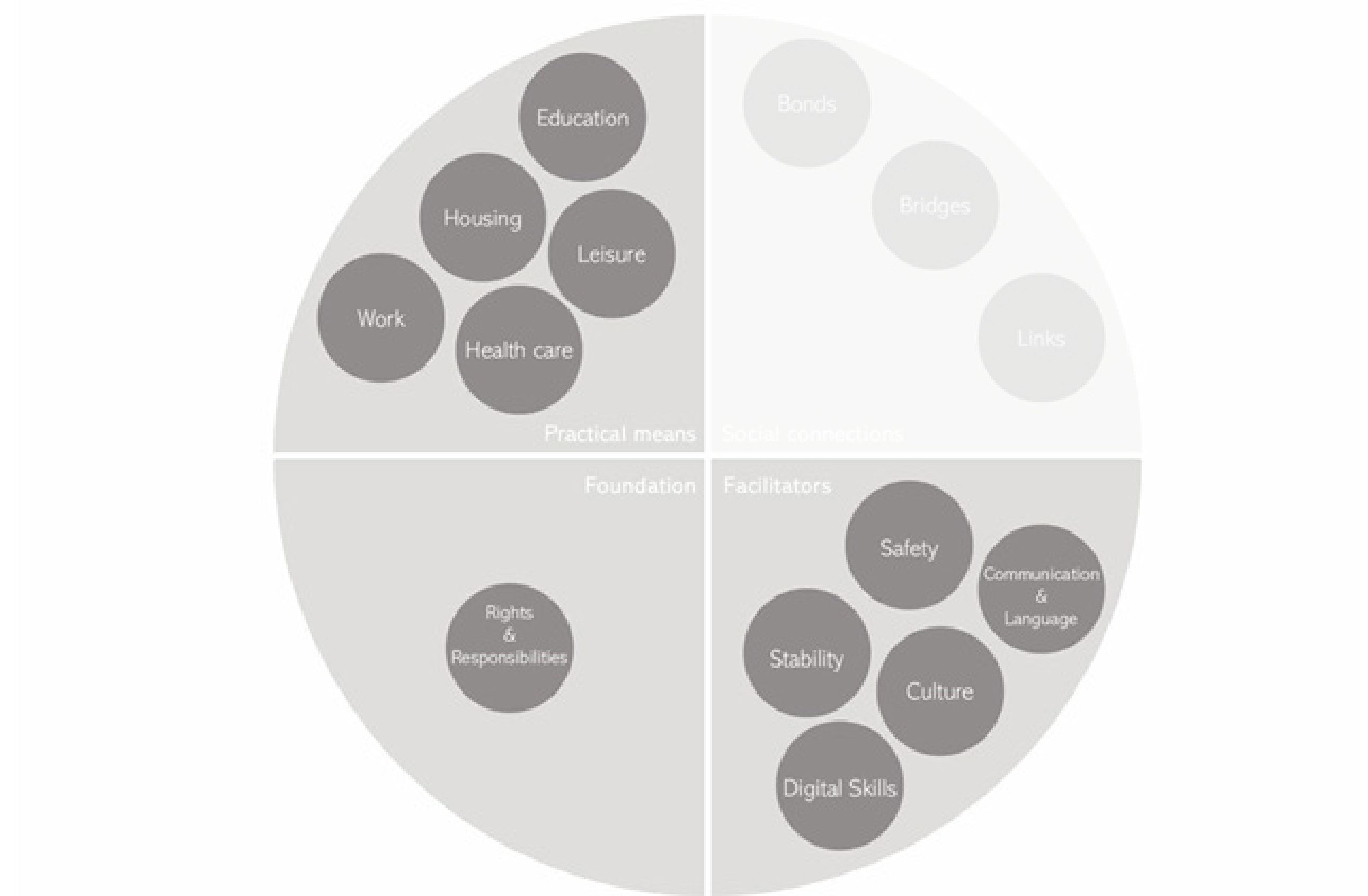
Settling policy and integration



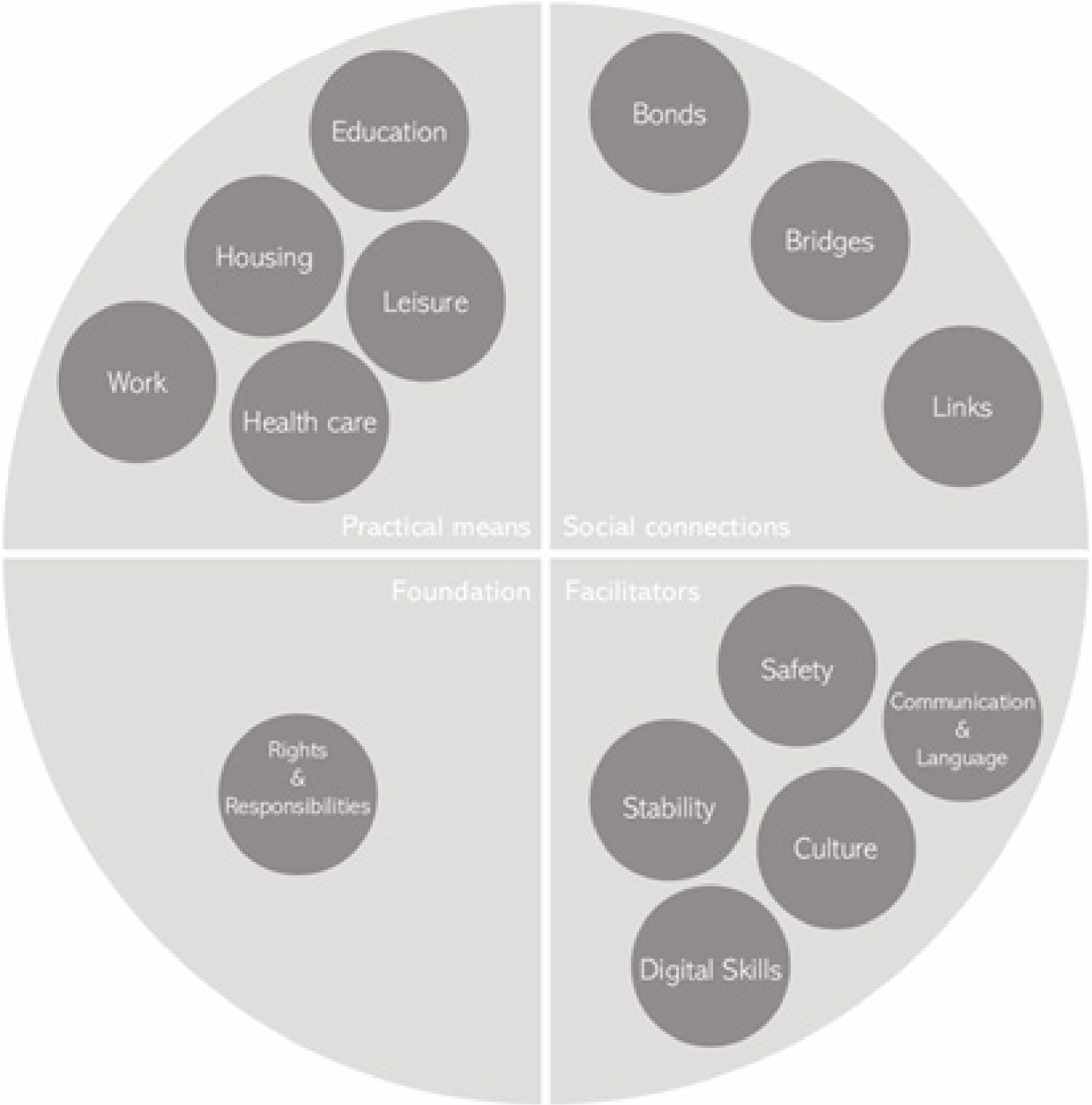




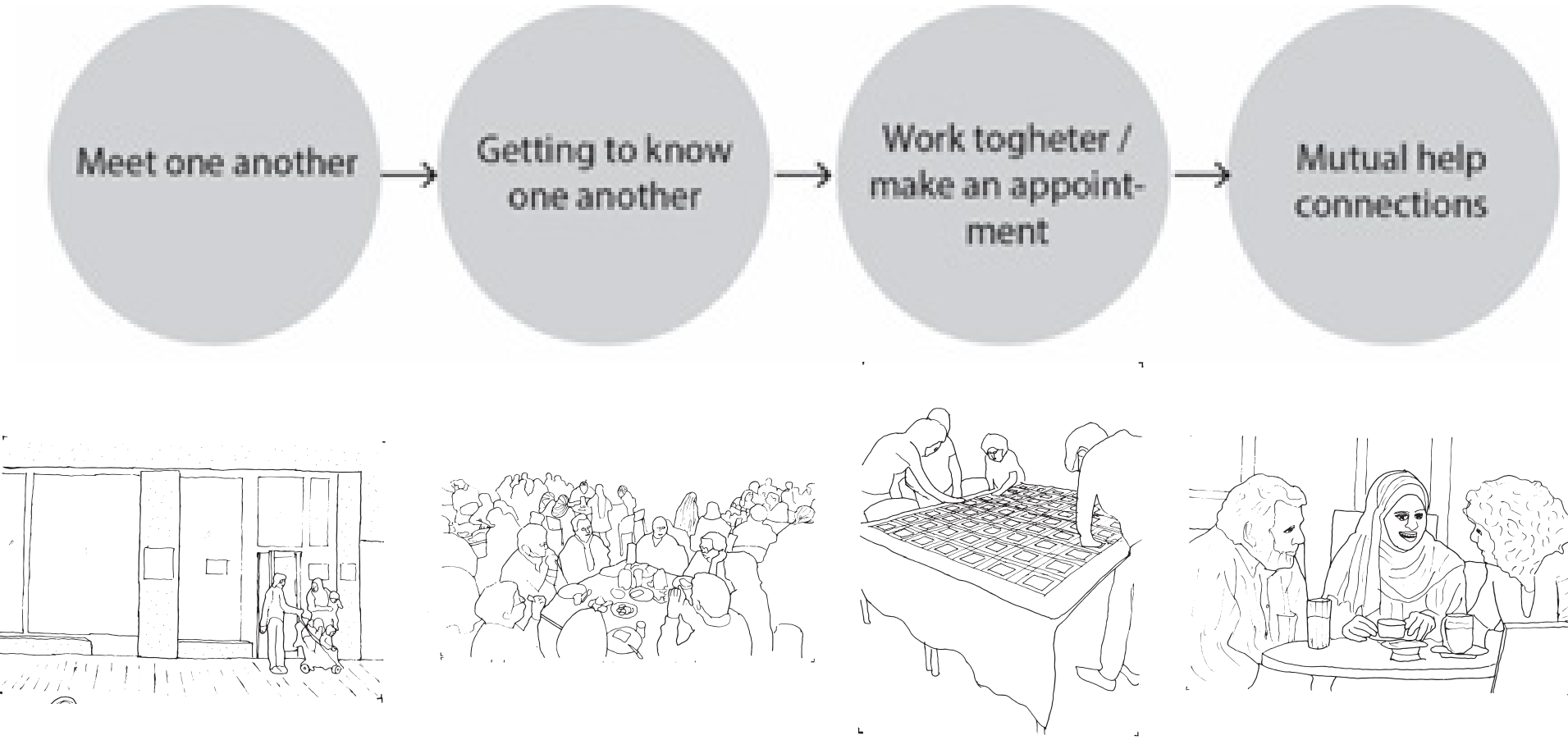


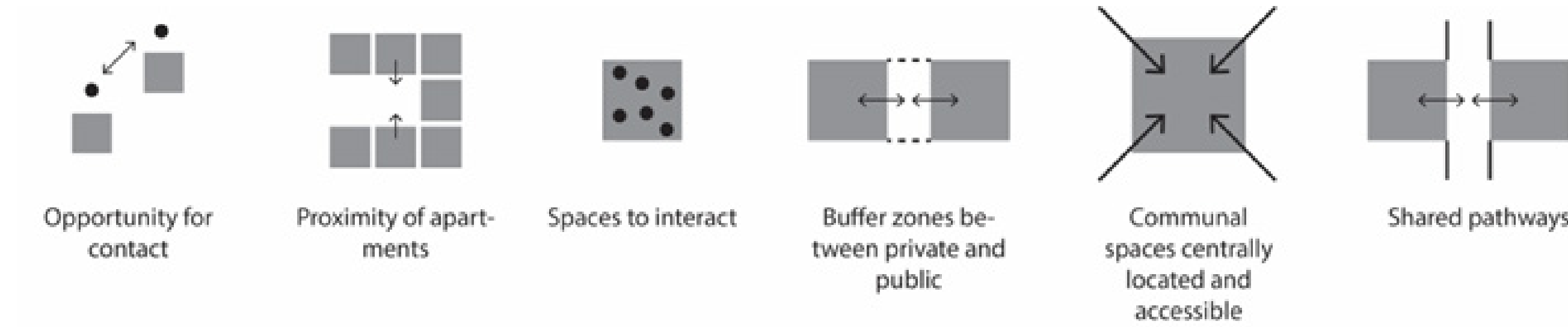


Integration: Definition








Integration: Interethnic contact




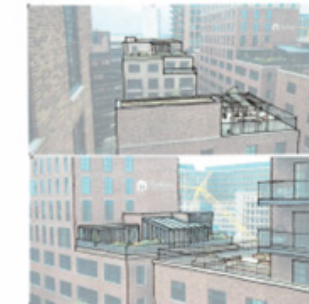

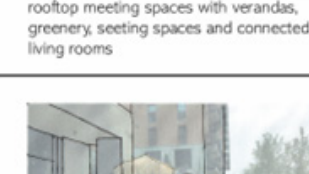








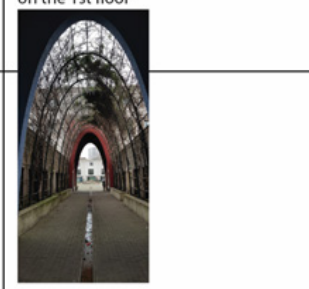



Functional & Spatial ingredients: Case studies

Dwelling	 in-between space between dwelling and traffic space
Block	  community garden Extra high ground floor height (2,95m)
	  spacious and central traffic space communal lounge room
Neighborhood	 communal living room

Dwelling	  separate spacious kitchen private front garden
Block	   communal terrace communal hallway communal kitchen
	   communal hallway communal garden (only for four residents) Communal living room
	 spacious and transparent entrance, separate route towards the communal living room
Neighborhood	  street & entrance meeting space at the front facade

Dwelling	  private front garden private balcony
	 private terrace
Block	  rooftop meeting spaces with seating facilities and greenery
	 rooftop meeting spaces with verandas, greenery, seating spaces and connected living rooms
Neighborhood	   restaurant terrace with setback inner courtyard with greenery, seating spaces and square inner street with entrances to apartment blocks (by bridges) and houses

Dwelling	  light and mediterranean materials at the courtyards such as natural stone plinth, white concrete columns and white bricks Front gardens and french balconies with integrated planters boxes
Block	  veranda with balcony on the 1st floor spacious streets with private front gardens and colorful facade materials
Neighborhood	  gateway to a semi-closed community collective/public courtyard with fountain, greenery and seating spaces

Location



Location



FUNCTION



HEIGHT

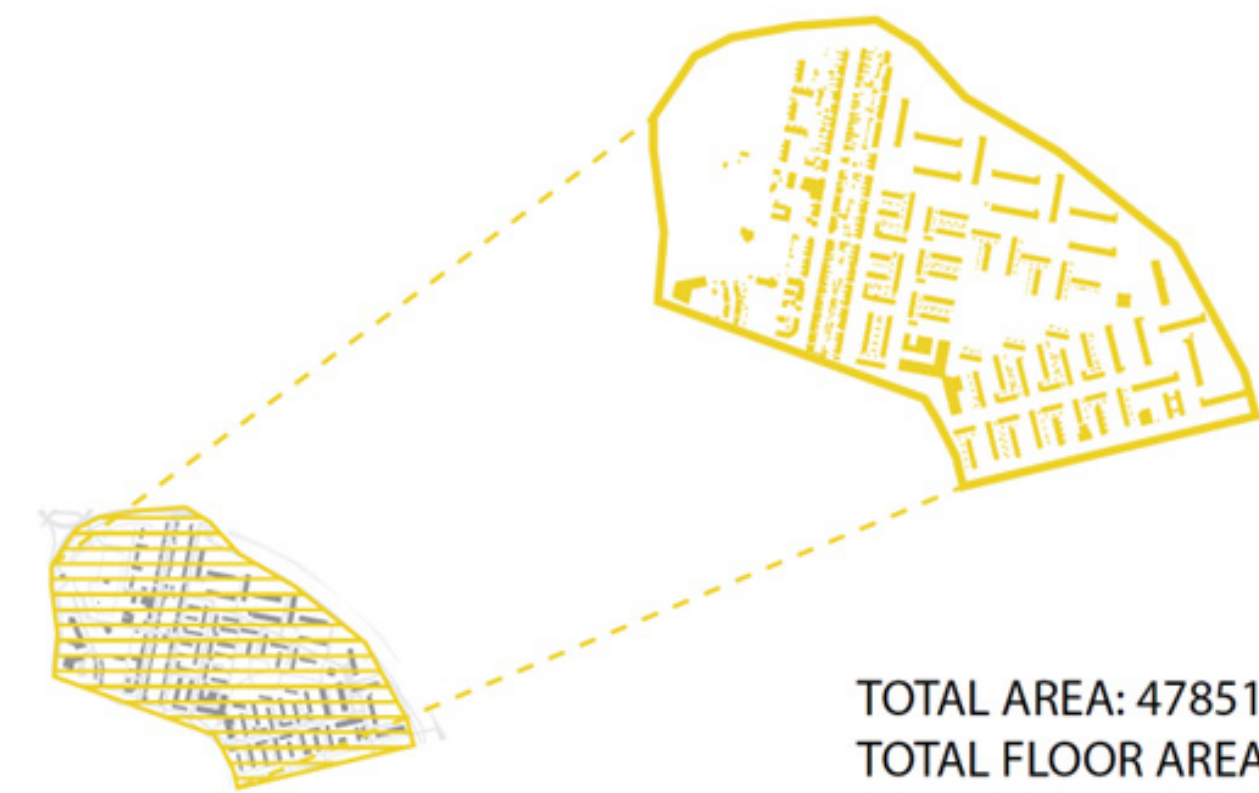


GREEN



TYPE

BUILDING TYPES	BUILDING HEIGHTS	BUILDING FUNCTIONS
rowhouse	1	residential
apartment block	2	residential/shops
flat	3	residential/business
semi-detached	4	shops and amenities
detached	5	sports/leisure
bungalow	6	(aged)care
church	7	churches
school	8	schools
sportshall	9	business
	10(+)	industrial

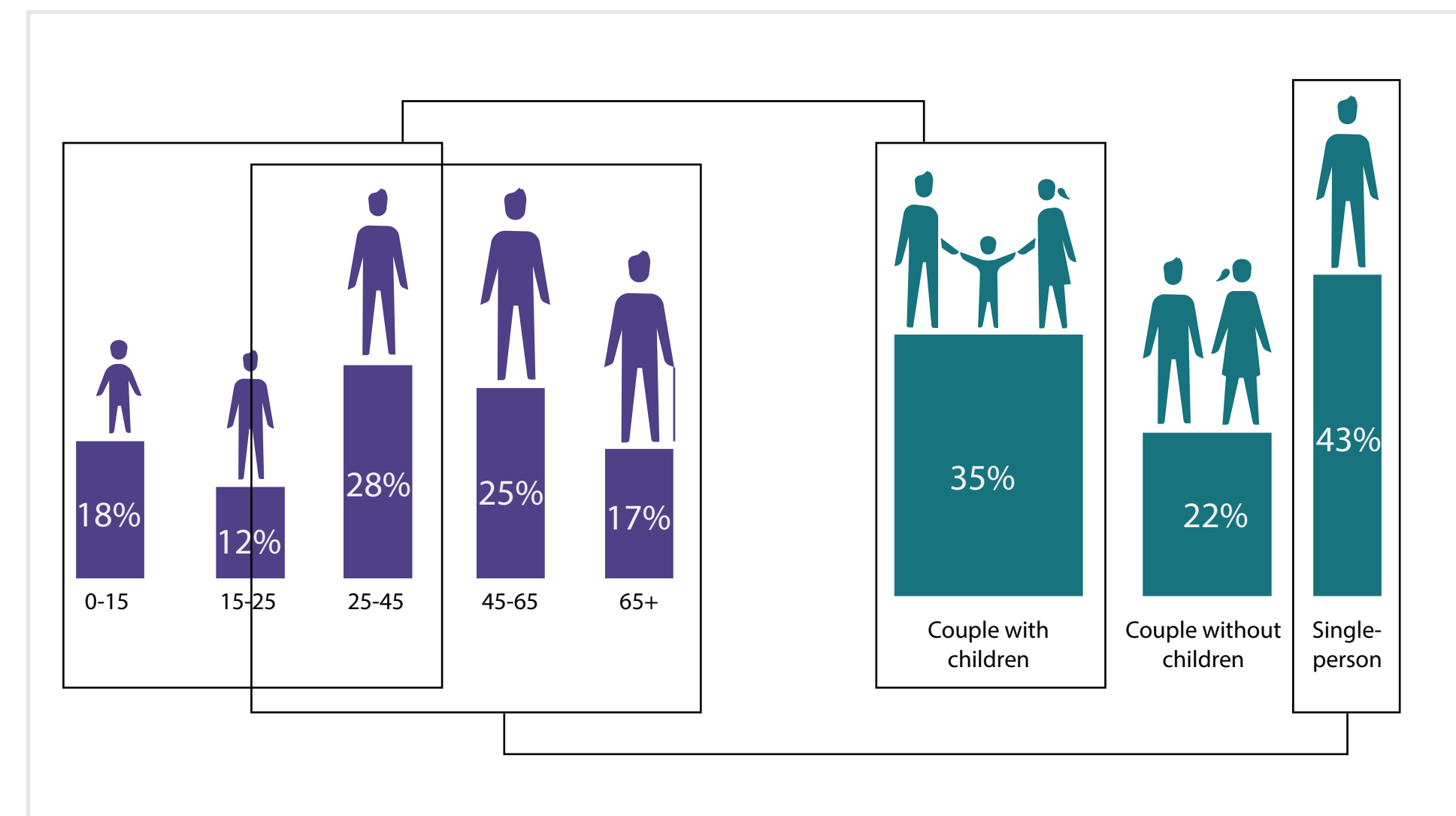
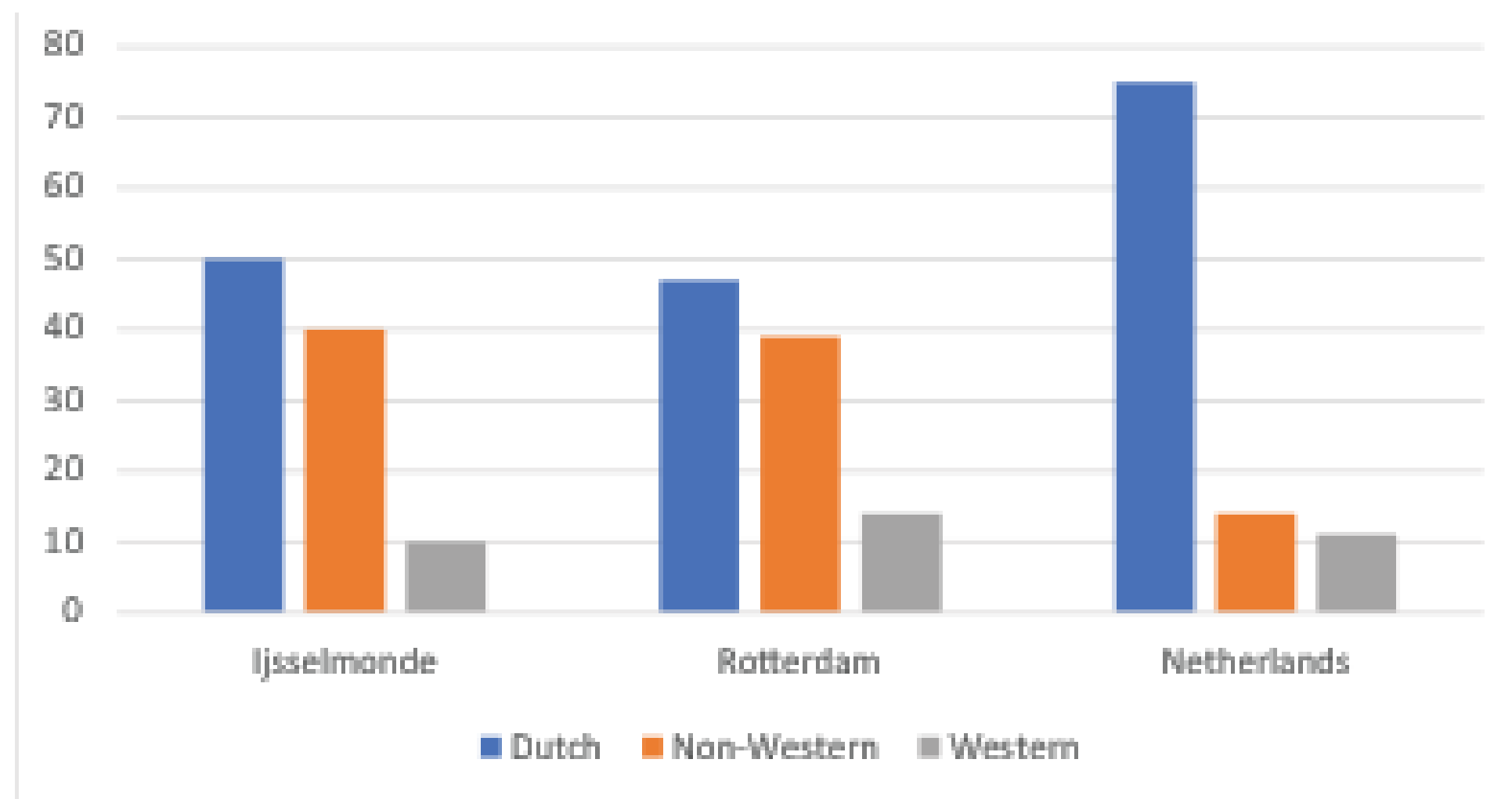
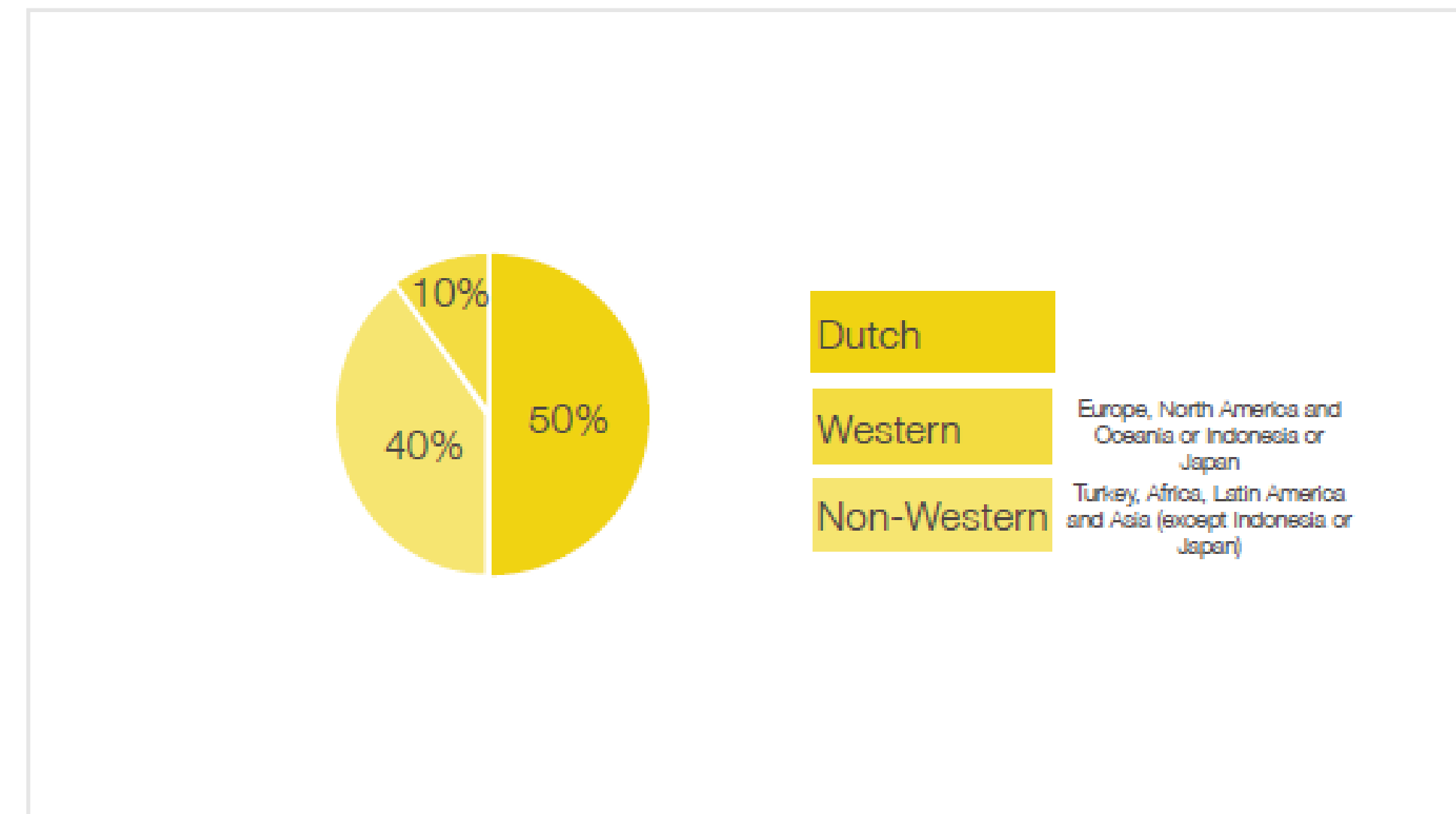
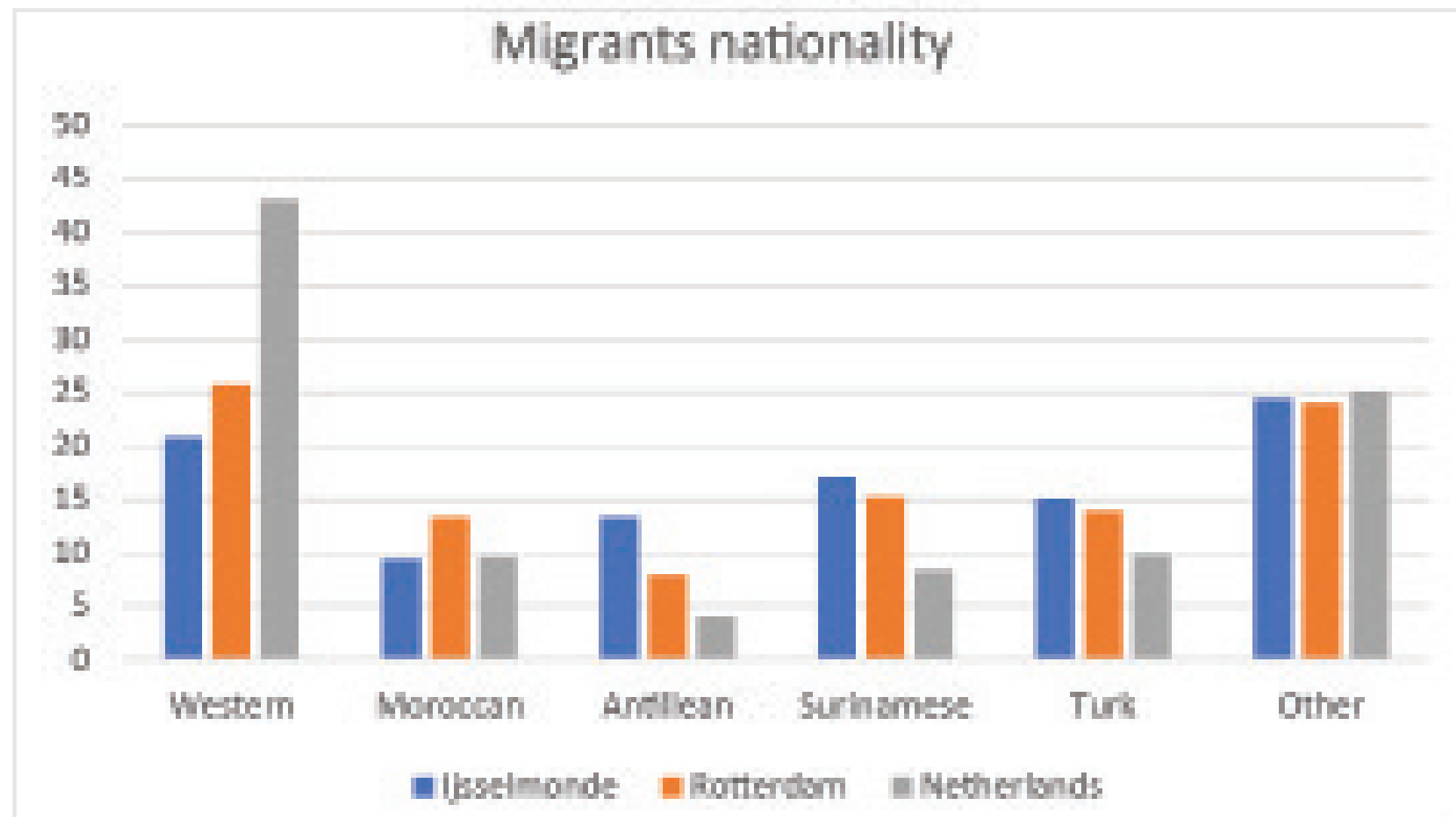


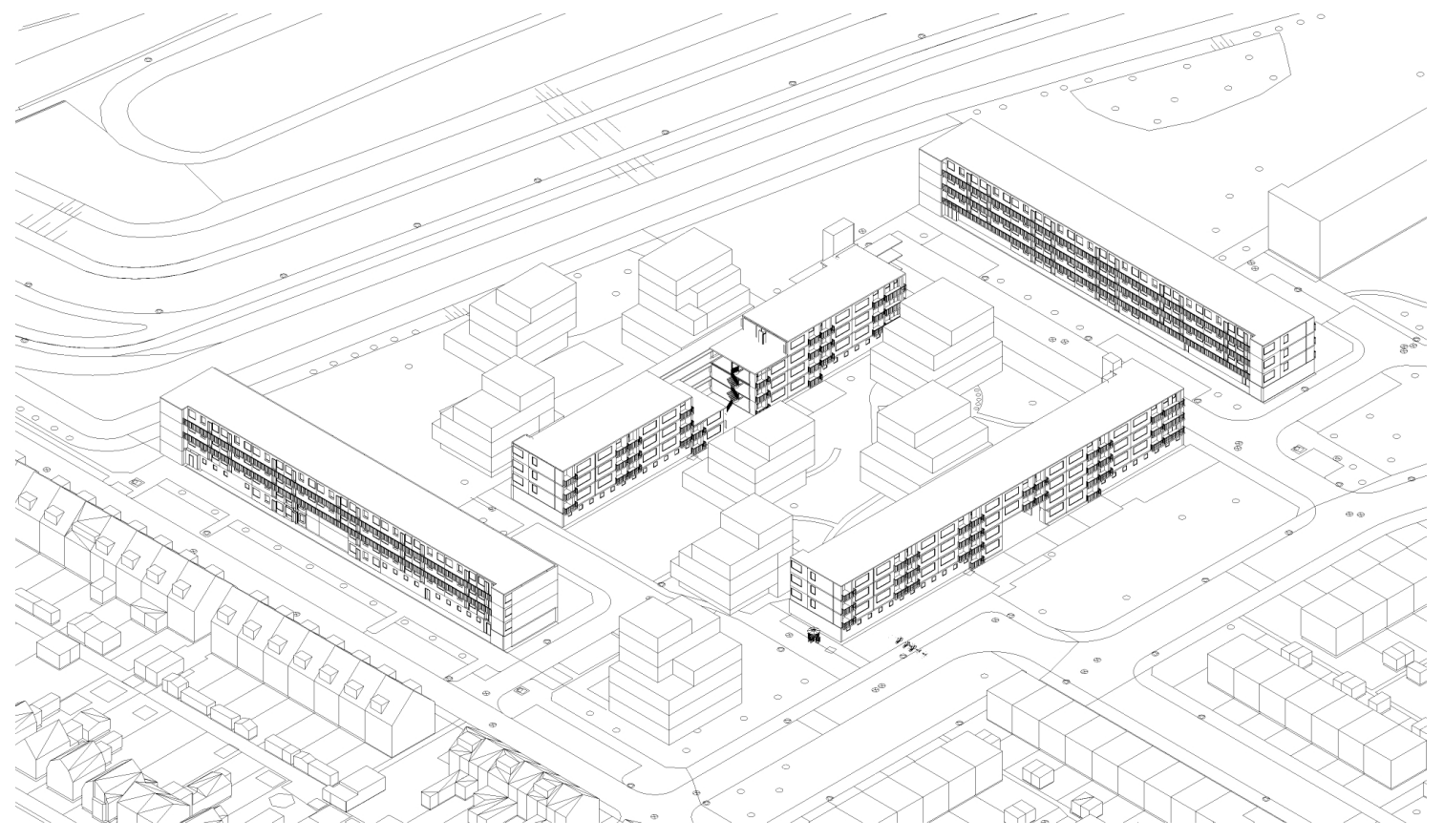
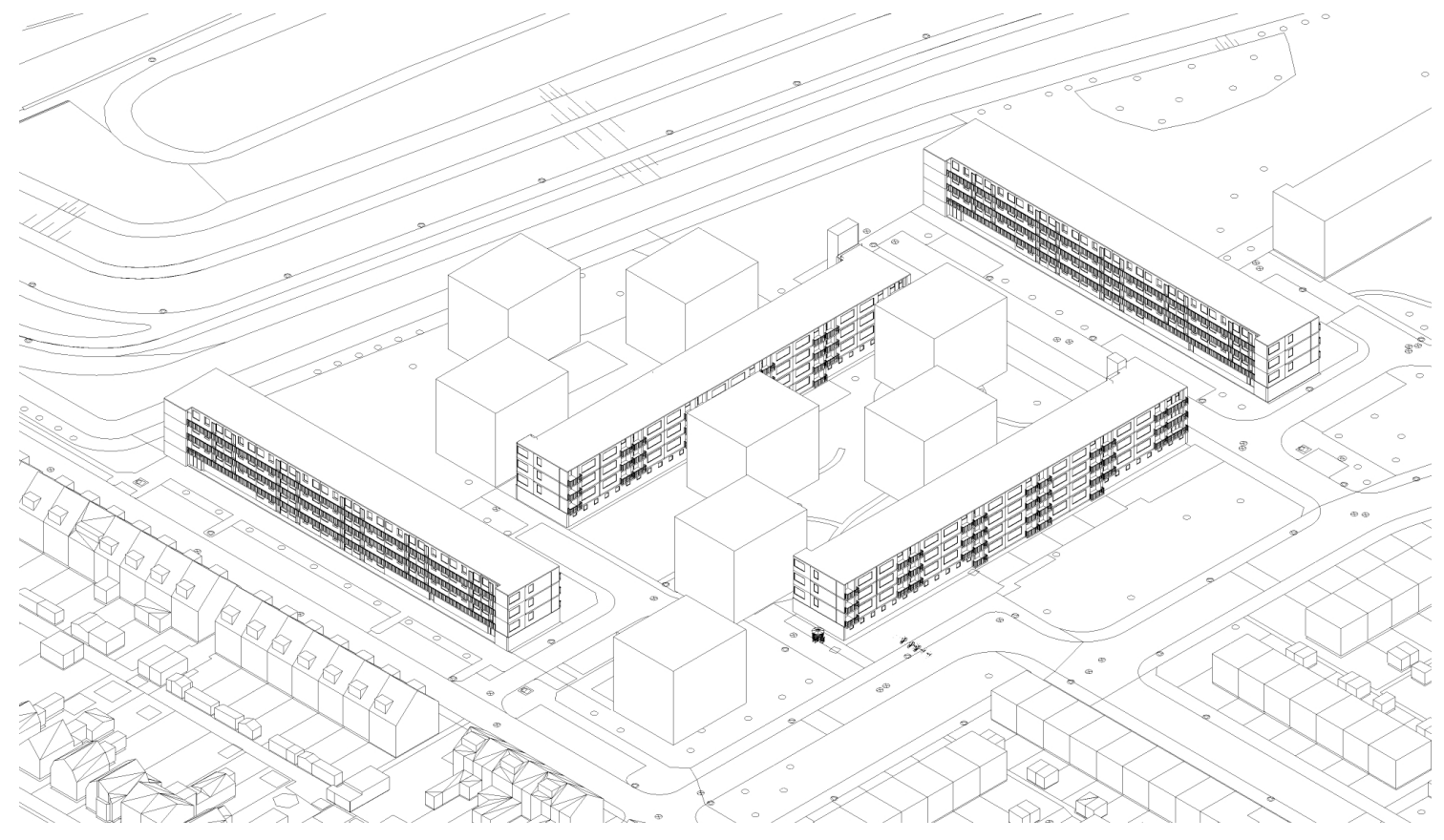
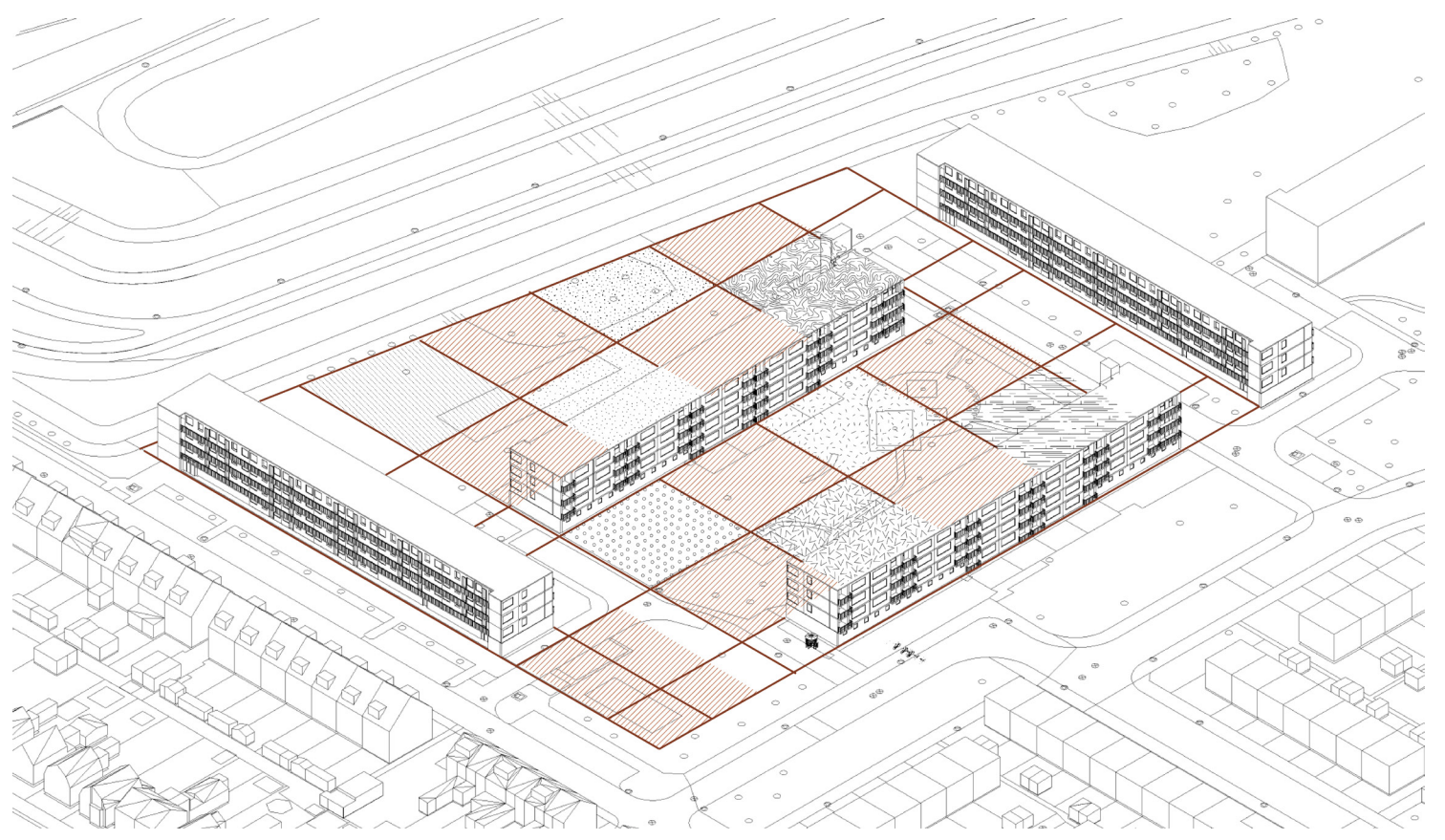
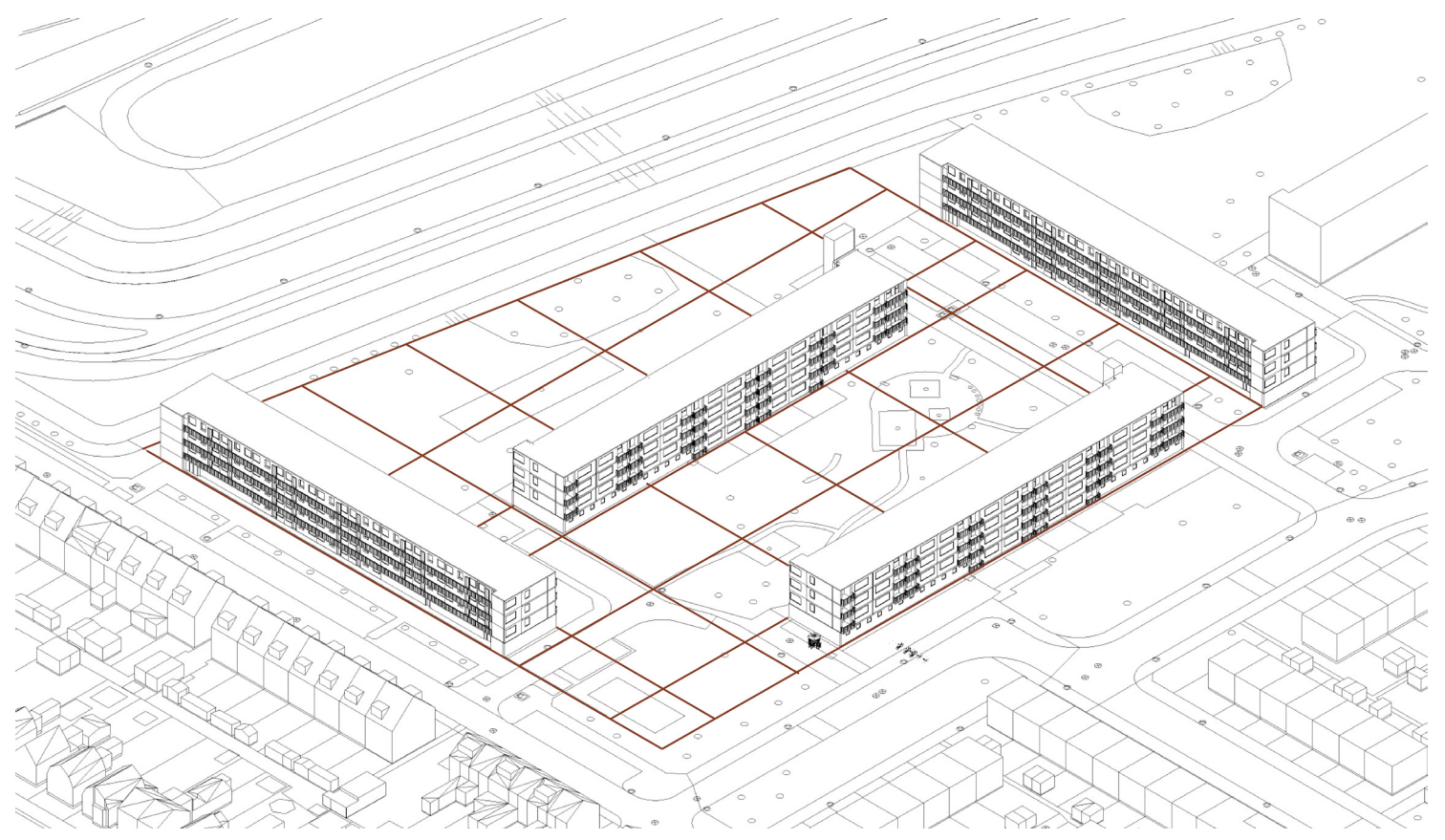
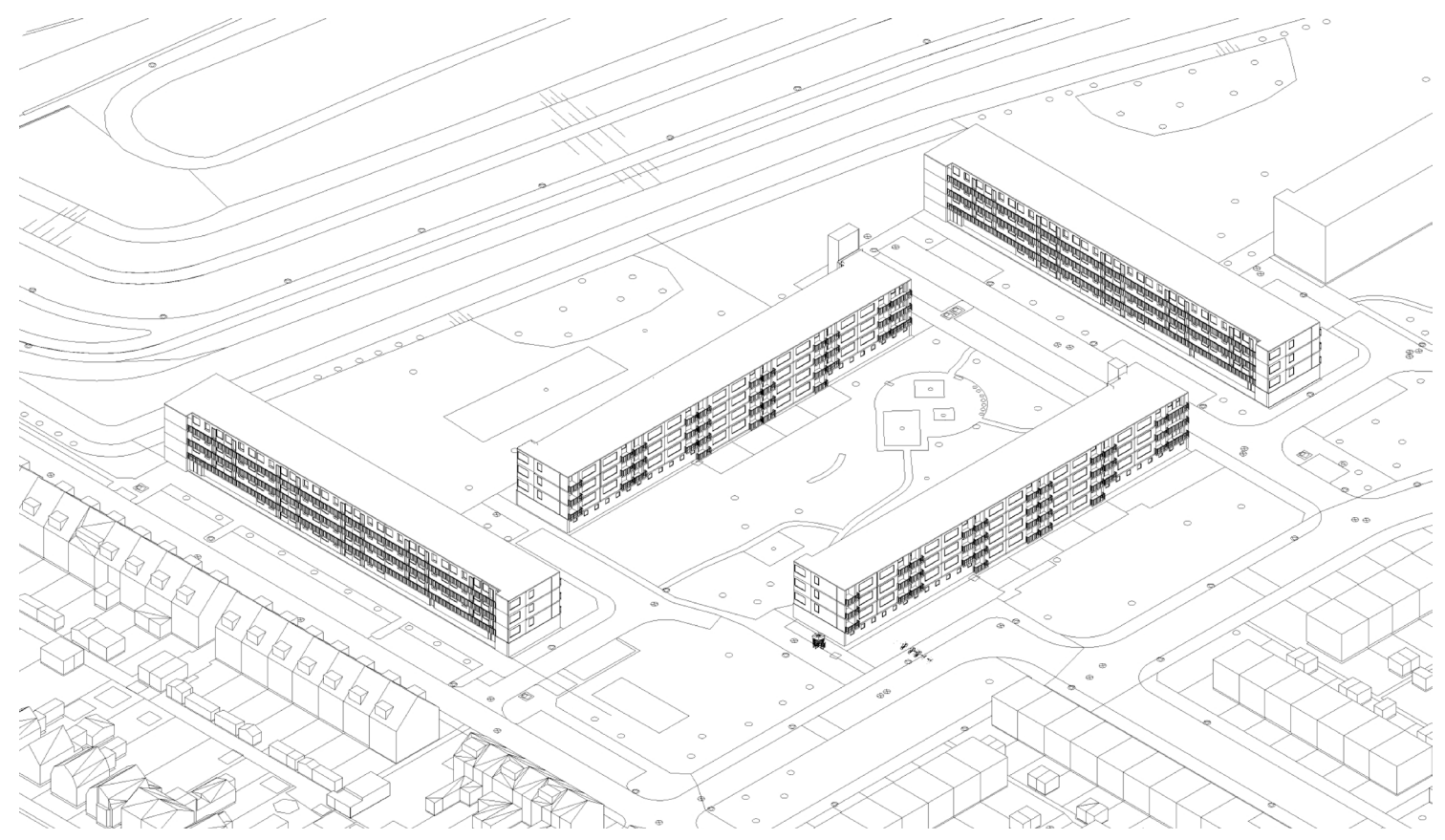
FSI

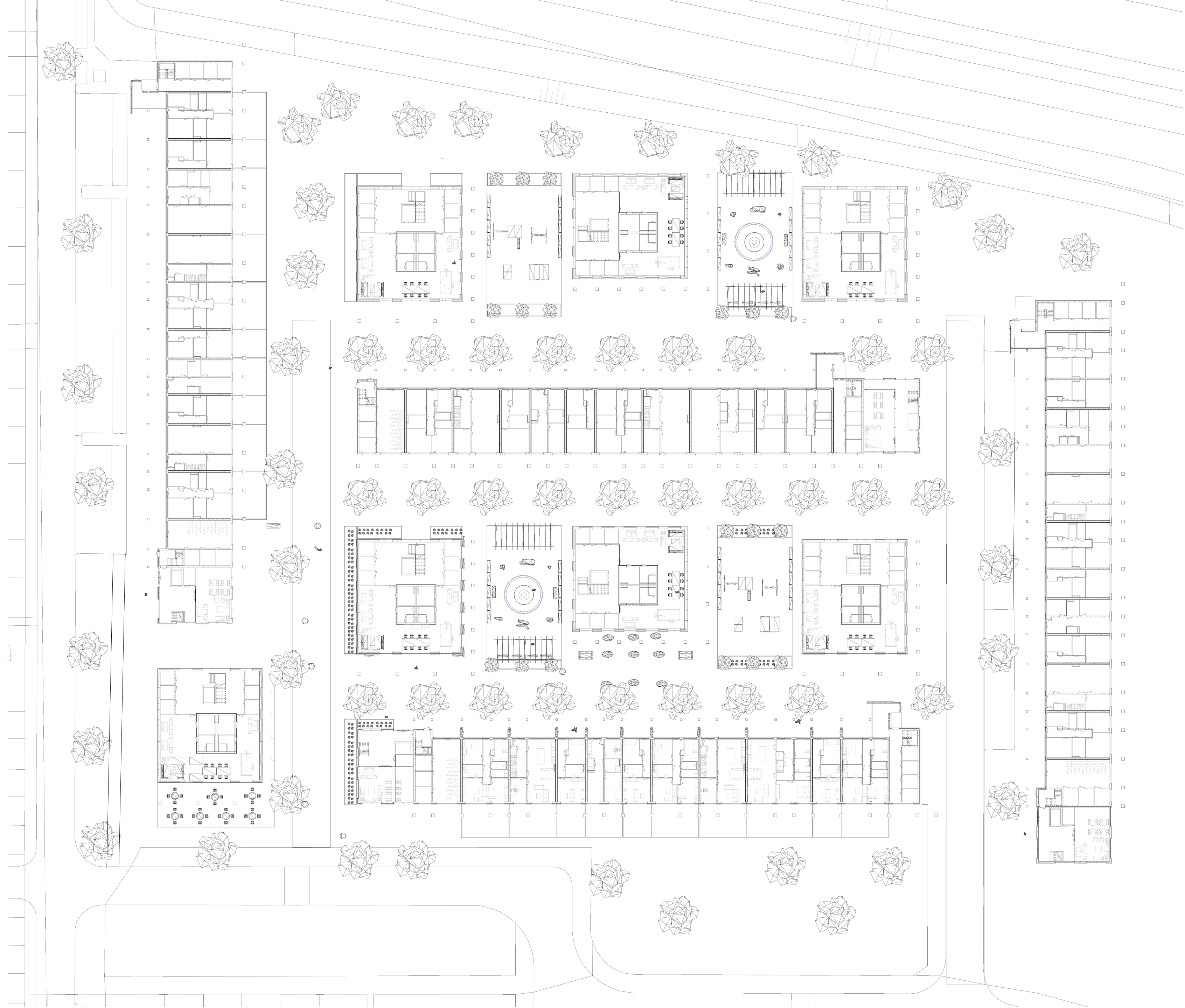
TOTAL AREA: 478519 m2
 TOTAL FLOOR AREA: 161.
 FSI: 0,34











Street



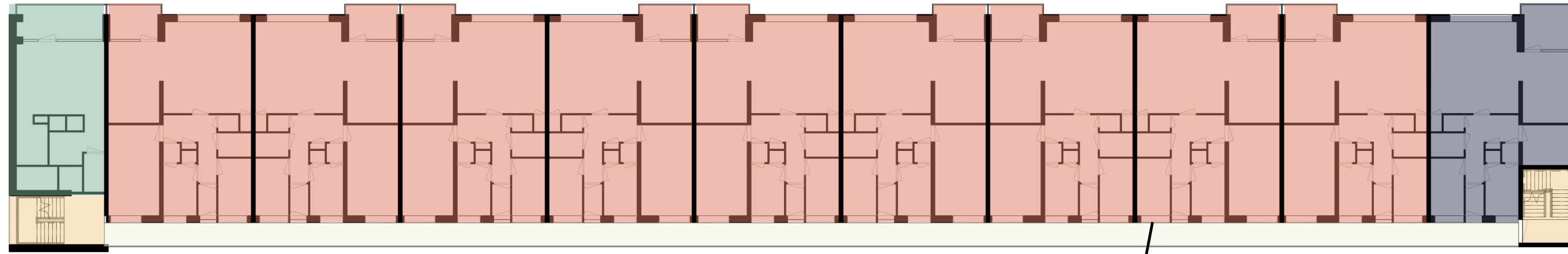
Courtyard fountain



Courtyard playground



Existing block (floors 01-03)



type 1

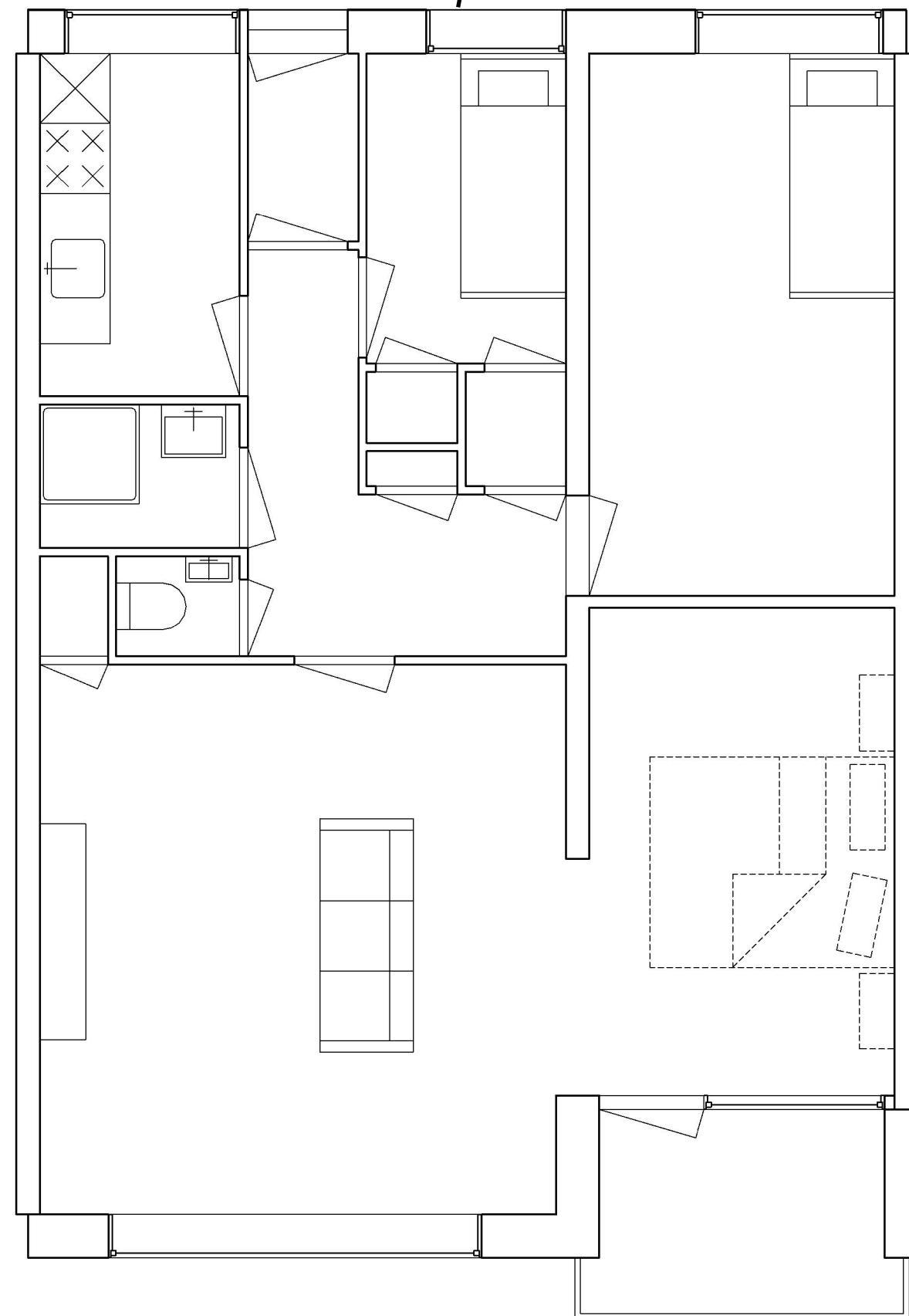
Current typologies:

Existing block:

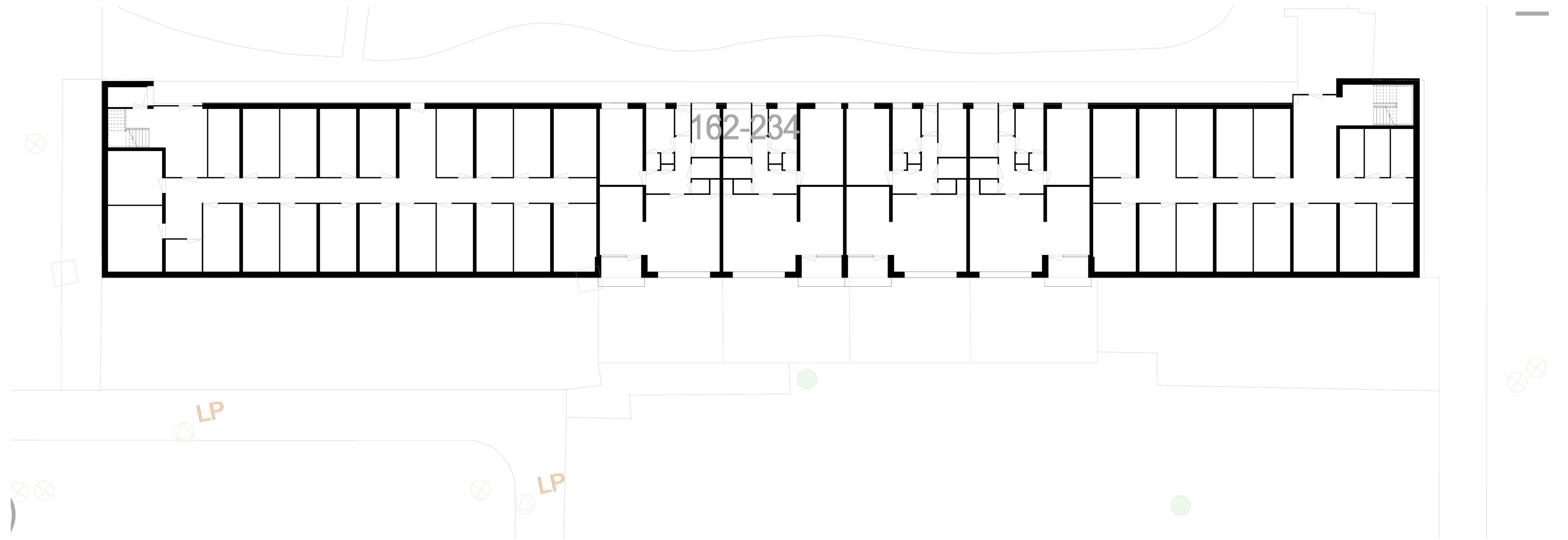
- Family house with balcony (70 m²) 27x - 3 bedrooms
- Family house with balcony (60 m²) 3x - 3 bedrooms
- Family house with garden (70 m²) 4x - 3 bedrooms
- Single housing (30 m²) 3x - 1 bedroom

Total per block: 37 apartments

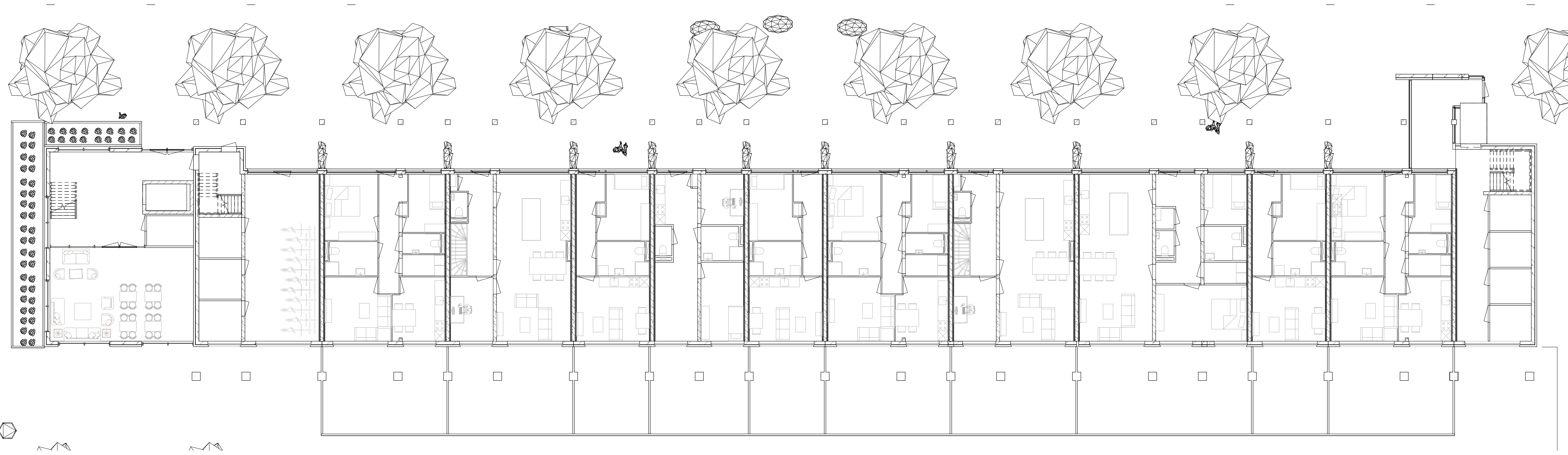
Total per cluster (3 blocks): 111 apartments



Existing block (ground floor)



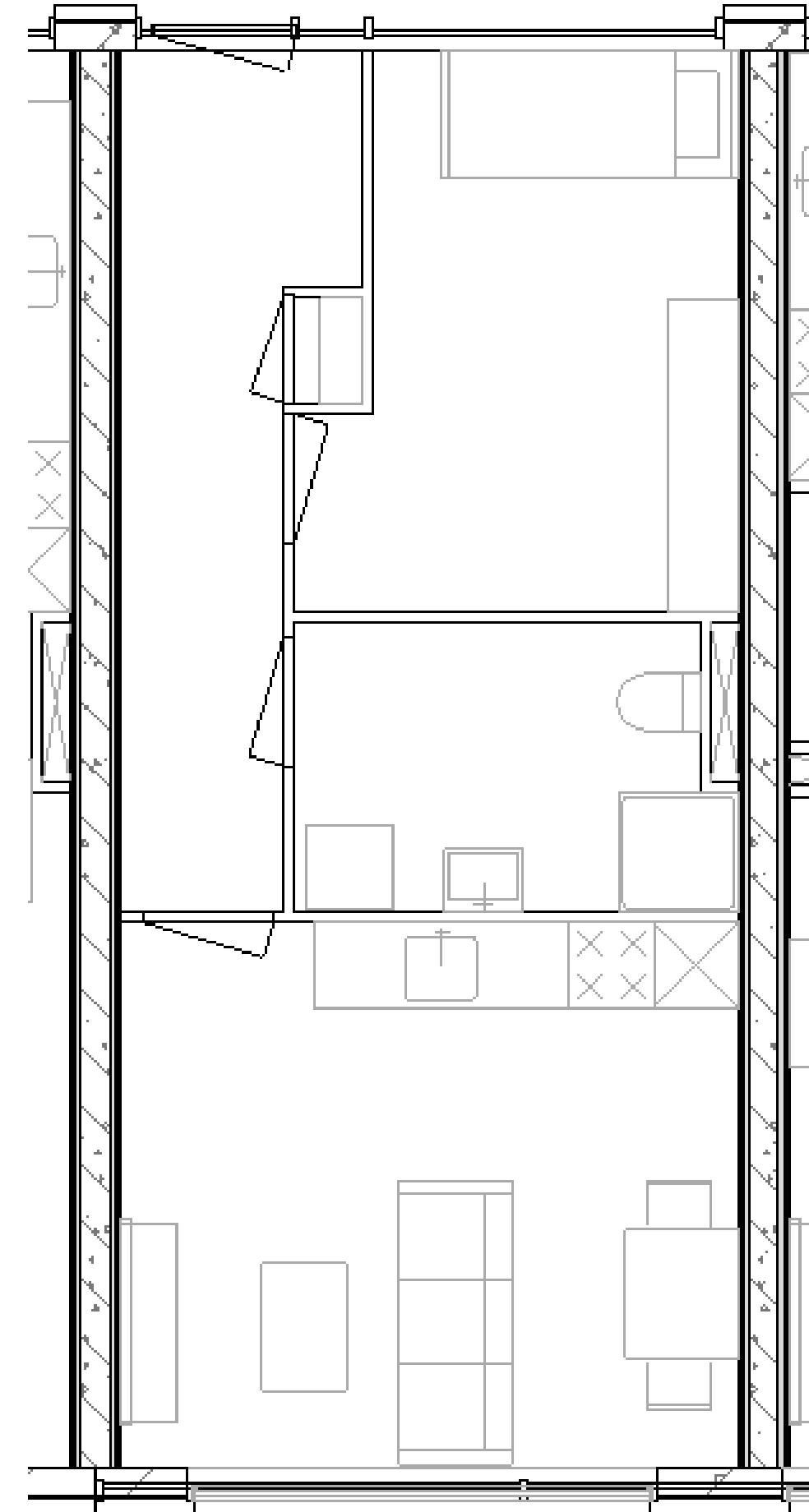
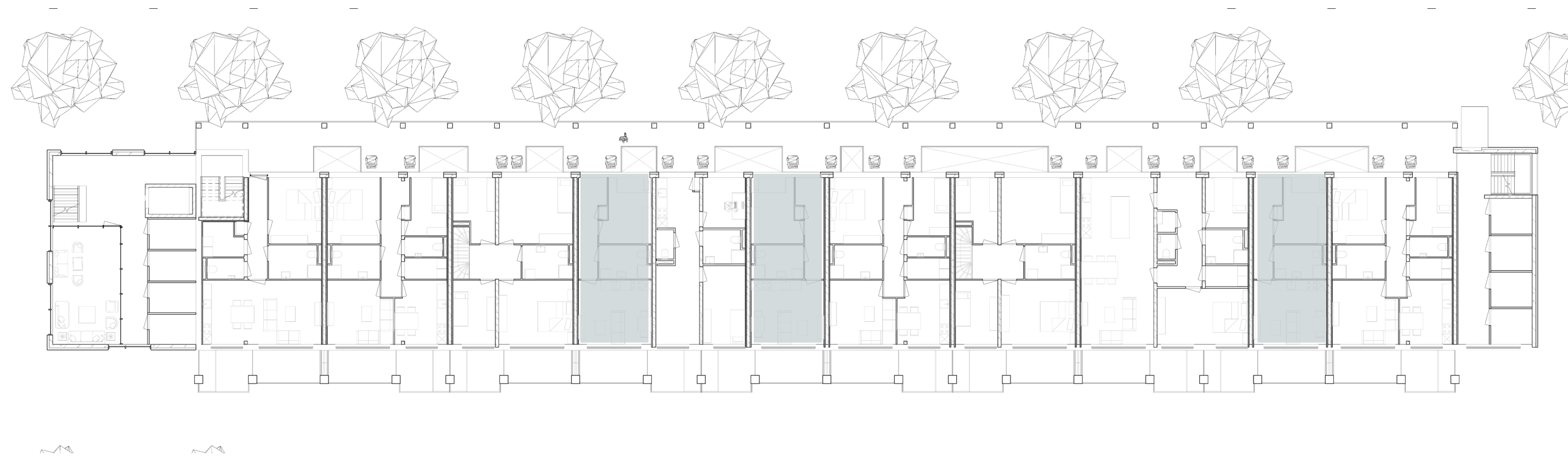
New existing building apartments (ground floor)



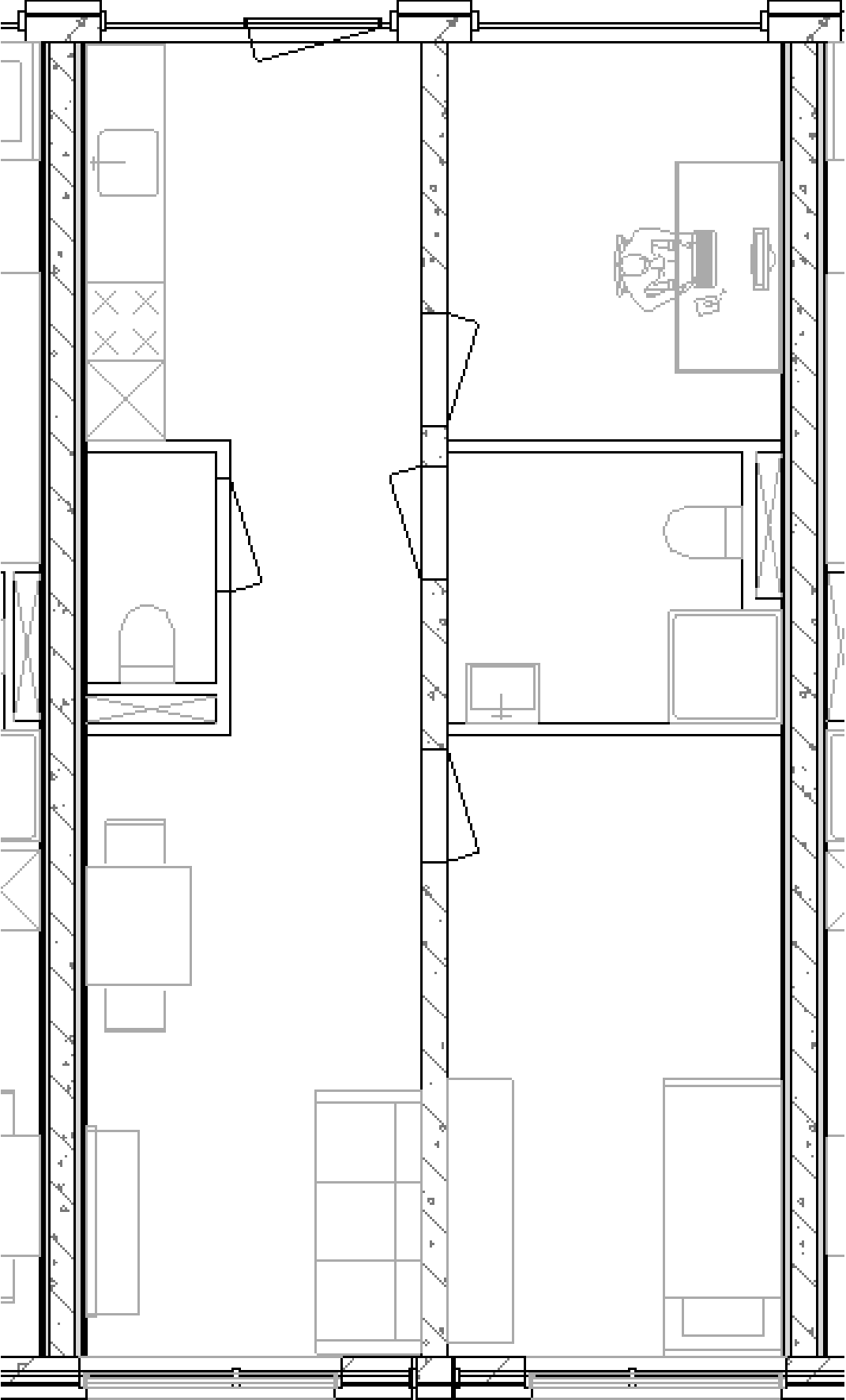
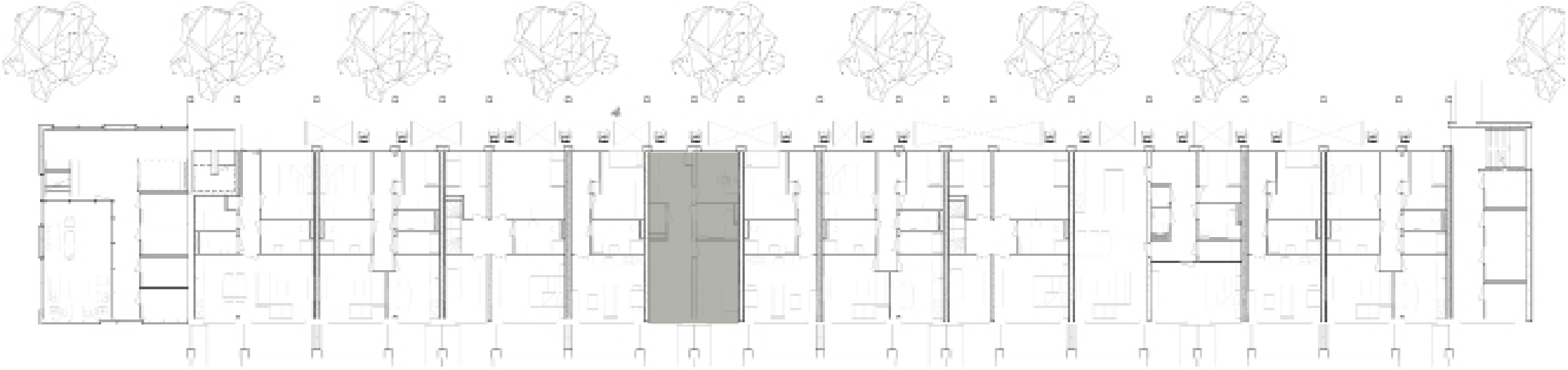
New social galery



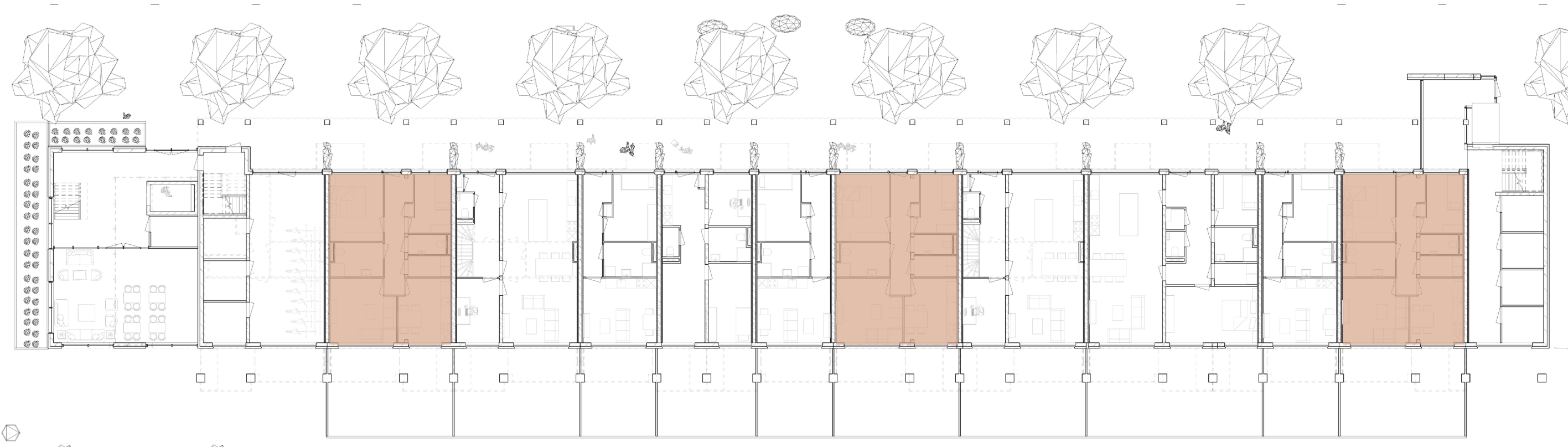
Type A



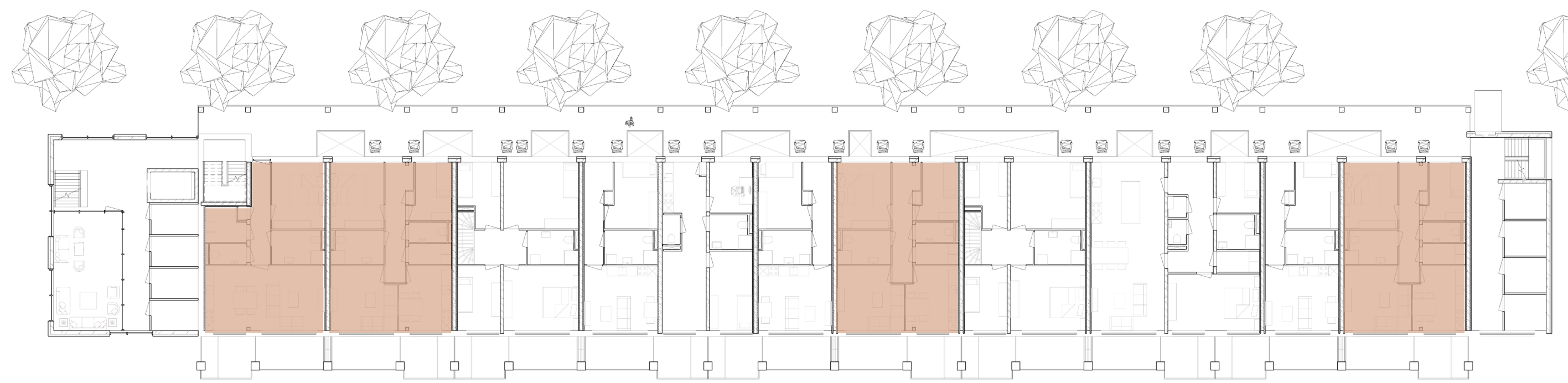
Type B



Type C1 & C2



Ground floor



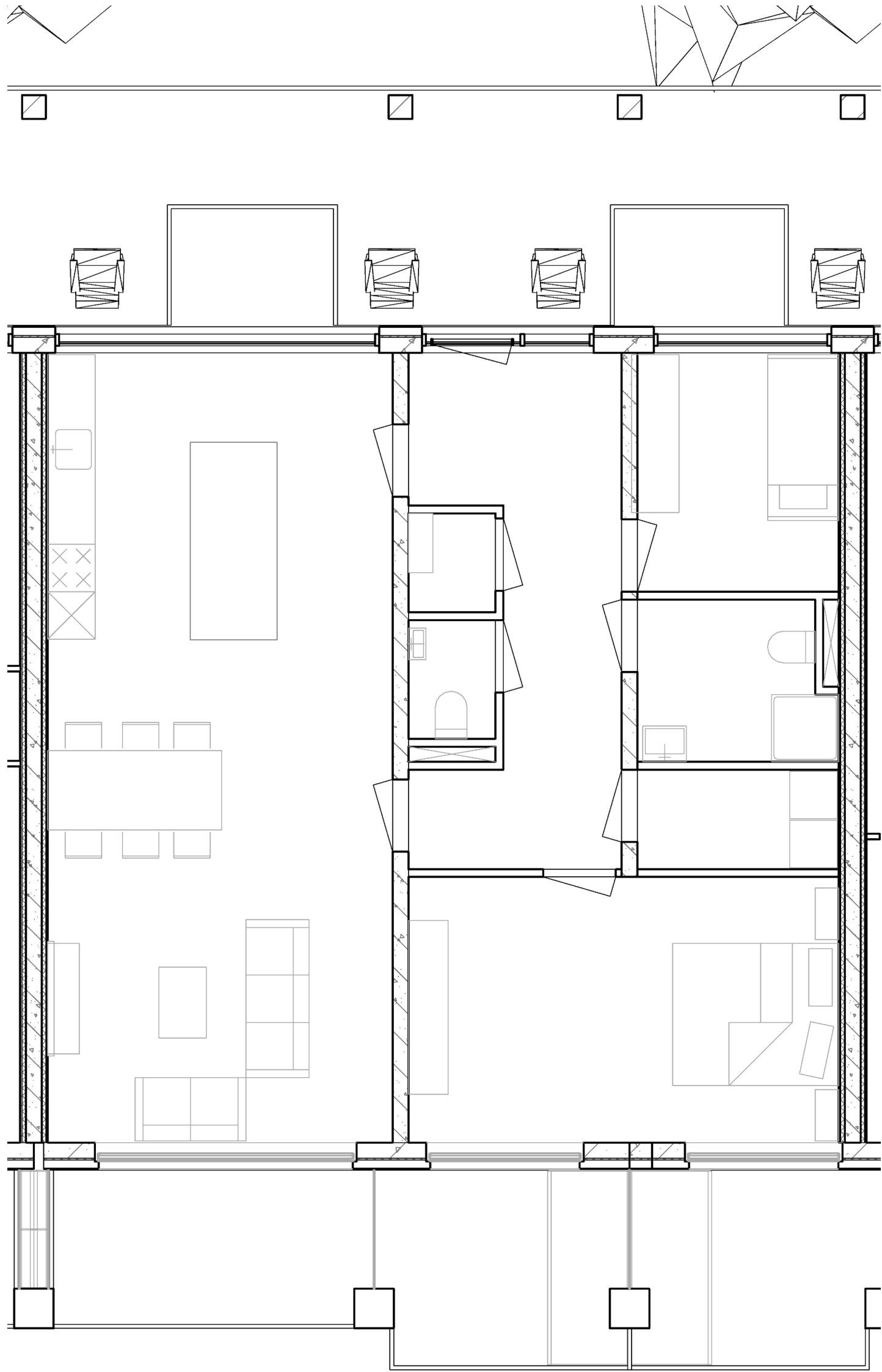
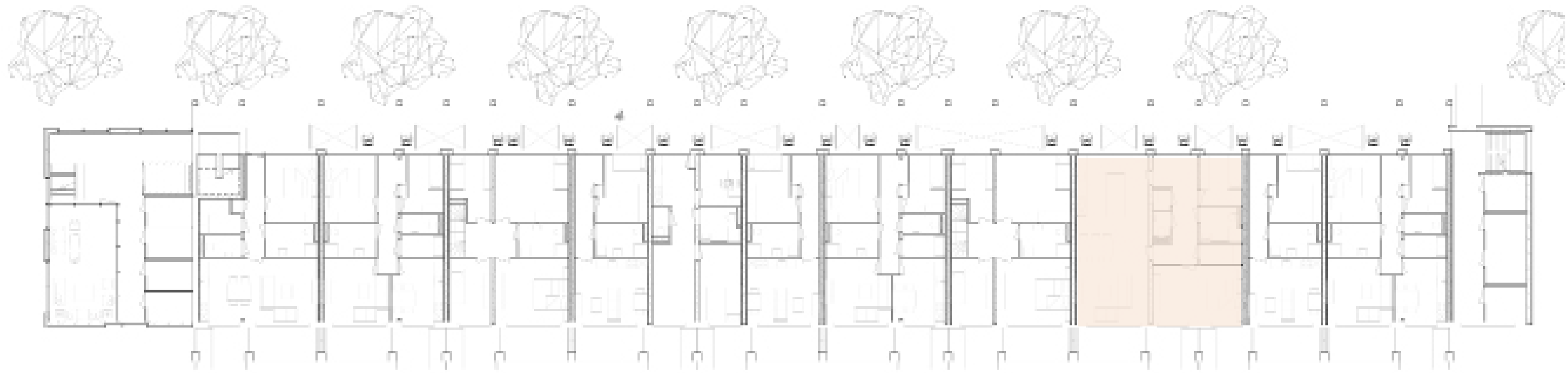
Floors 1-3



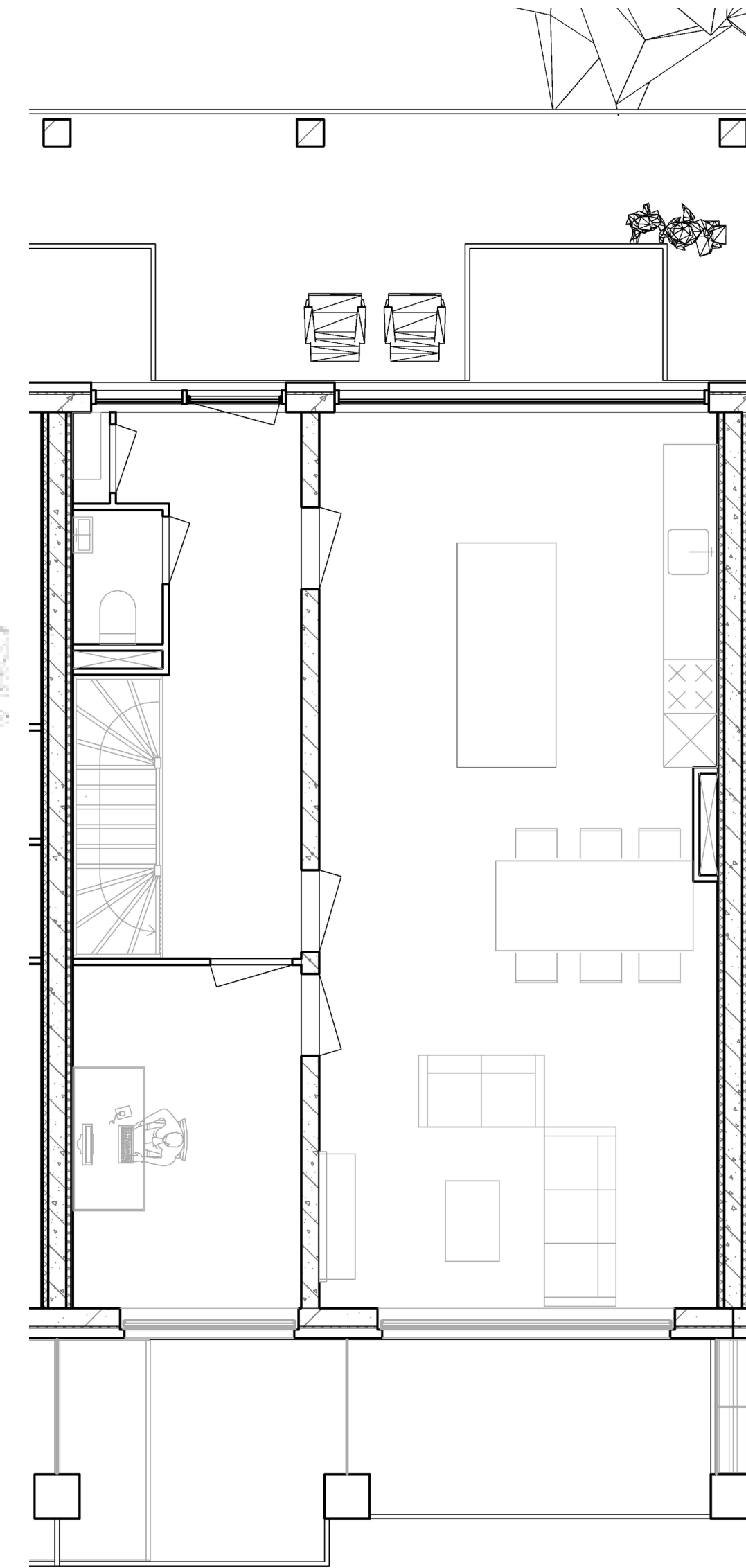
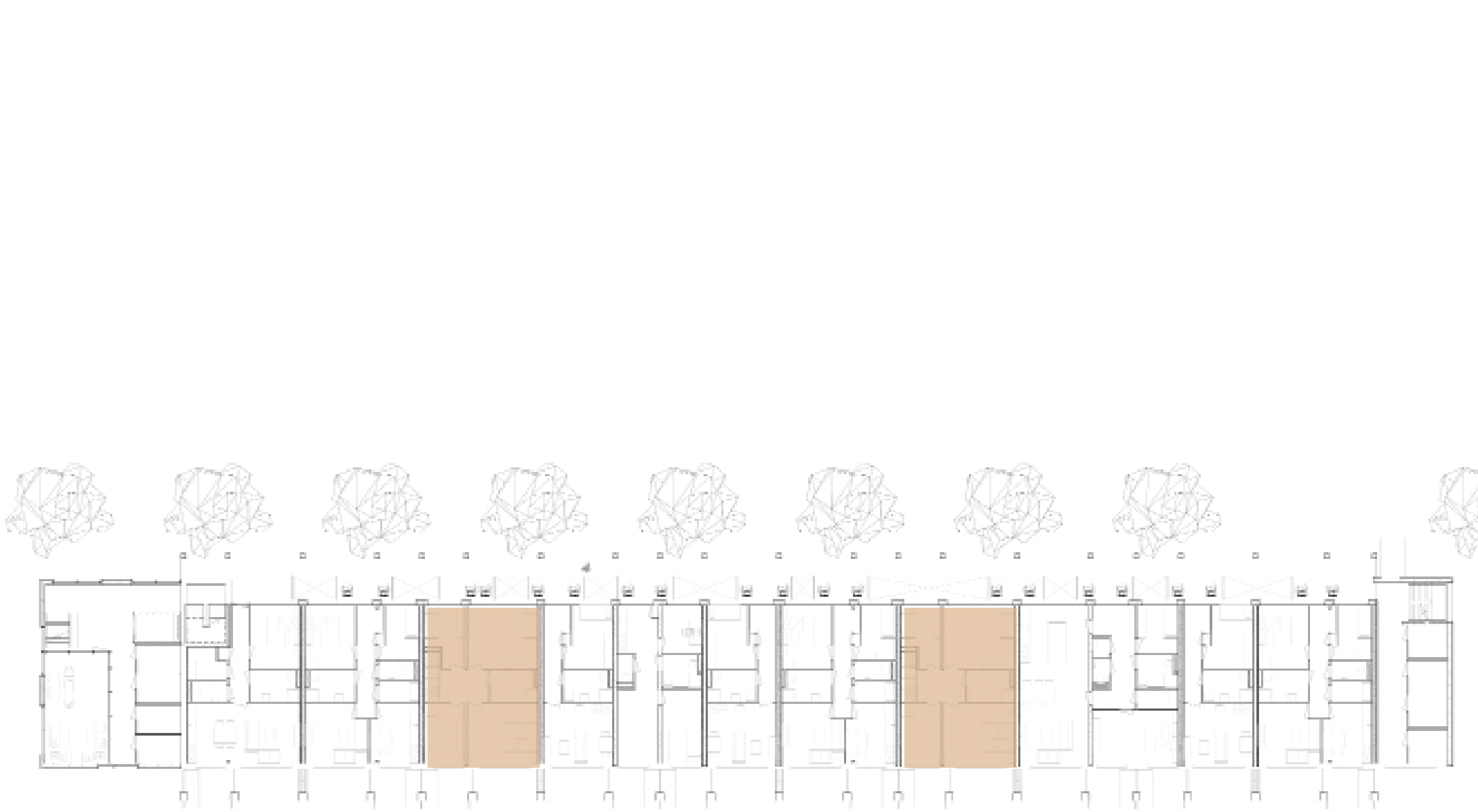
Type A1

Type A2

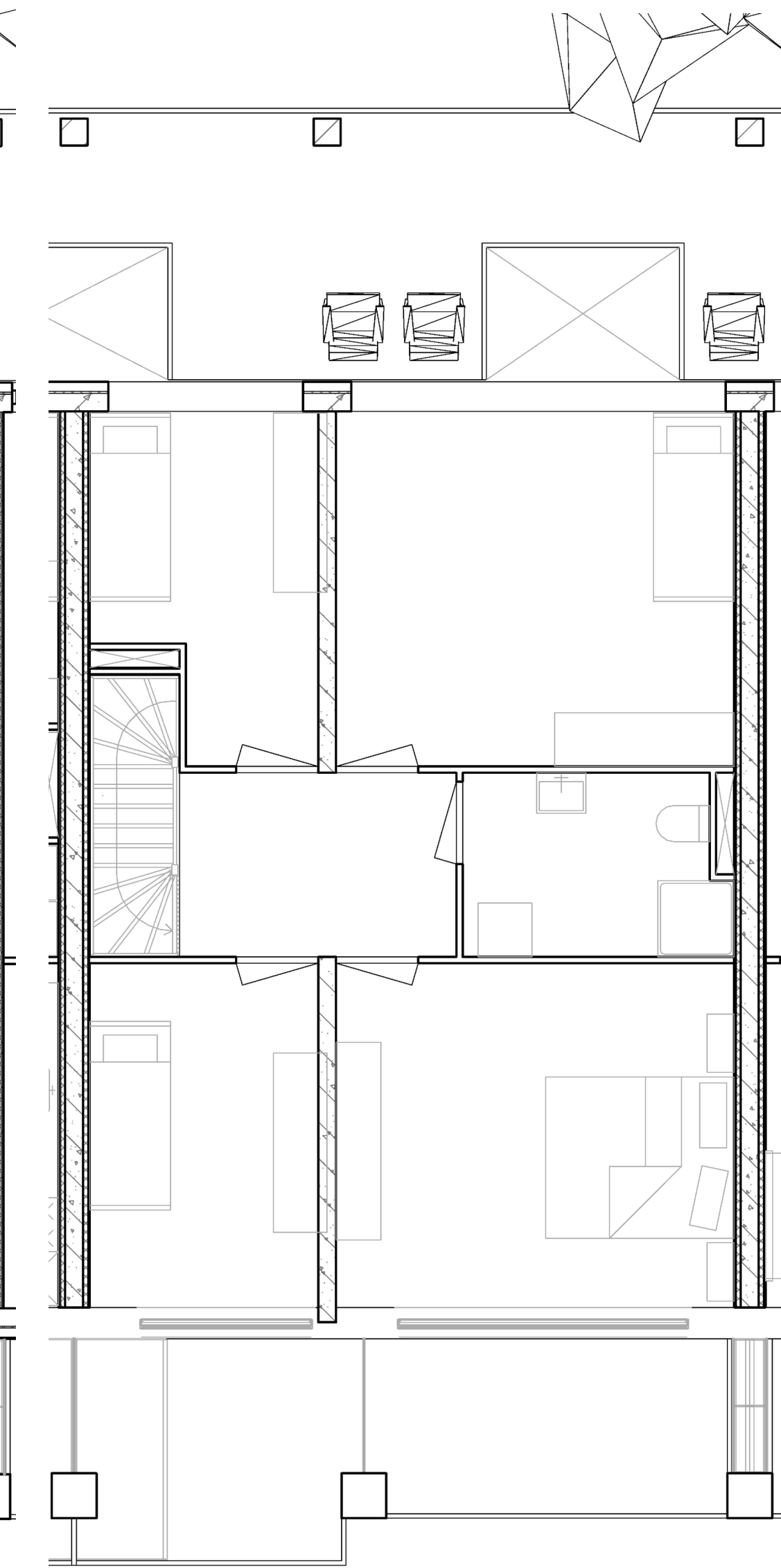
Type D



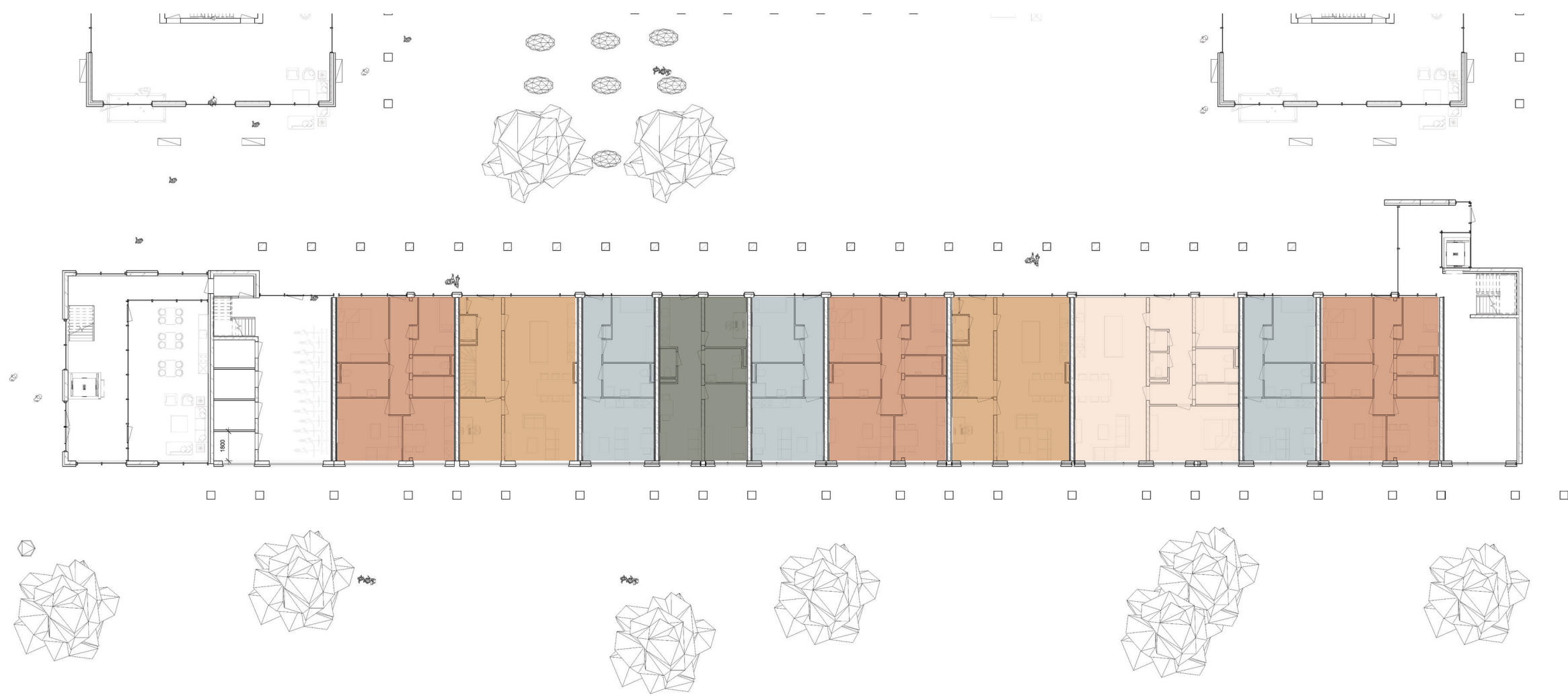
Type E



2nd floor

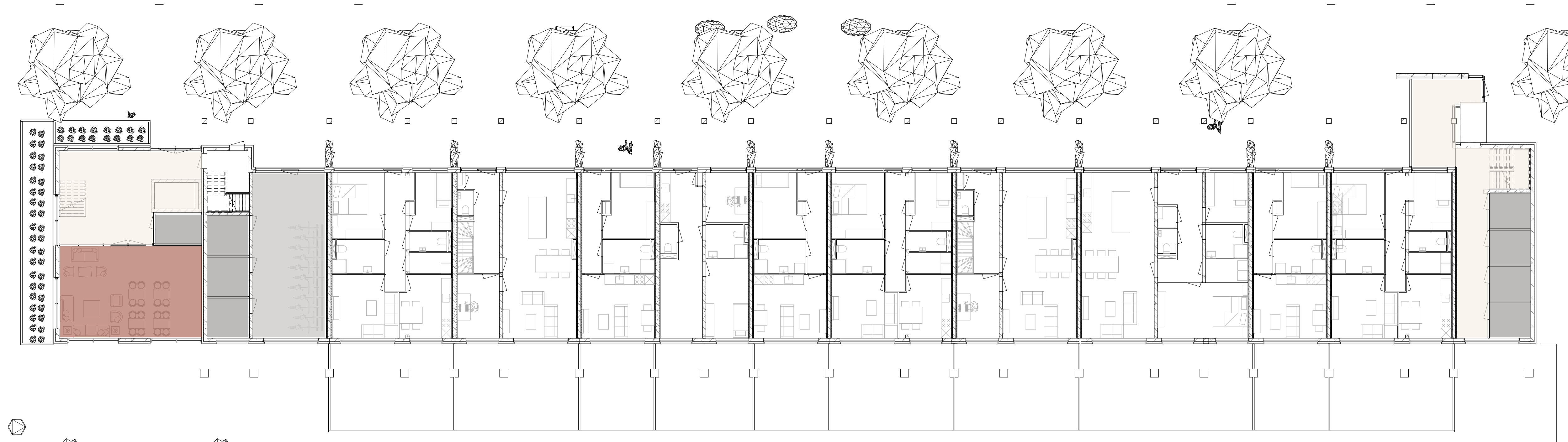


3rd floor



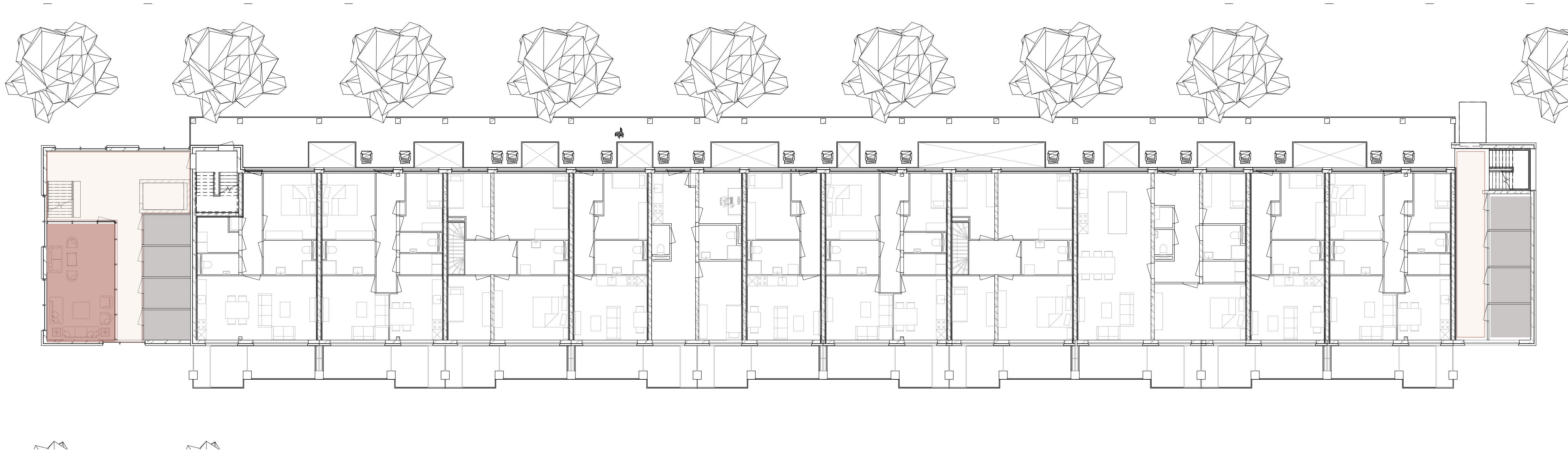
	<p>Type A: 40 m2 - suitable for eg. statusholders, single workers, (international) students and labor migrants</p> <ul style="list-style-type: none"> - consists of one existing large beech dimension - 1 bedroom - living room with small kitchen - loggia or wintergarden 	12x	16x = 40%
	<p>Type B: 50 m2 - suitable for eg. statusholders, single workers, (international) students and labor migrants</p> <ul style="list-style-type: none"> - consists of one existing large beech dimension - 2 bedrooms - living room with small kitchen - loggia or wintergarden 	4x	
	<p>Type C1: 70 m2 - suitable for eg. elderly, starter families, (labor) migrants planning to reunite with family members</p> <ul style="list-style-type: none"> - consists of the existing apartment dimension - 2 bedrooms - bathroom - living room with small kitchen - loggia or wintergarden 	12x	15x = 40%
	<p>Type C2: 65 m2 - suitable for eg. elderly, starter families, (labor) migrants planning to reunite with family members</p> <ul style="list-style-type: none"> - consists of the existing apartment dimension - 2 bedrooms - bathroom - living room with small kitchen - loggia or wintergarden 	3x	
	<p>Type D: 100 m2 - suitable for families and elderly</p> <ul style="list-style-type: none"> - consists of the existing apartment dimension - 2 bedrooms - bathroom - living room with small kitchen - loggia or wintergarden 	4x	8x = 20%
	<p>Type E: 140 m2 - suitable for large families</p> <ul style="list-style-type: none"> - consists of the existing apartment dimension - 5 bedrooms - bathroom - living room with small kitchen - loggia or wintergarden 	4x	

New existing building communal spaces



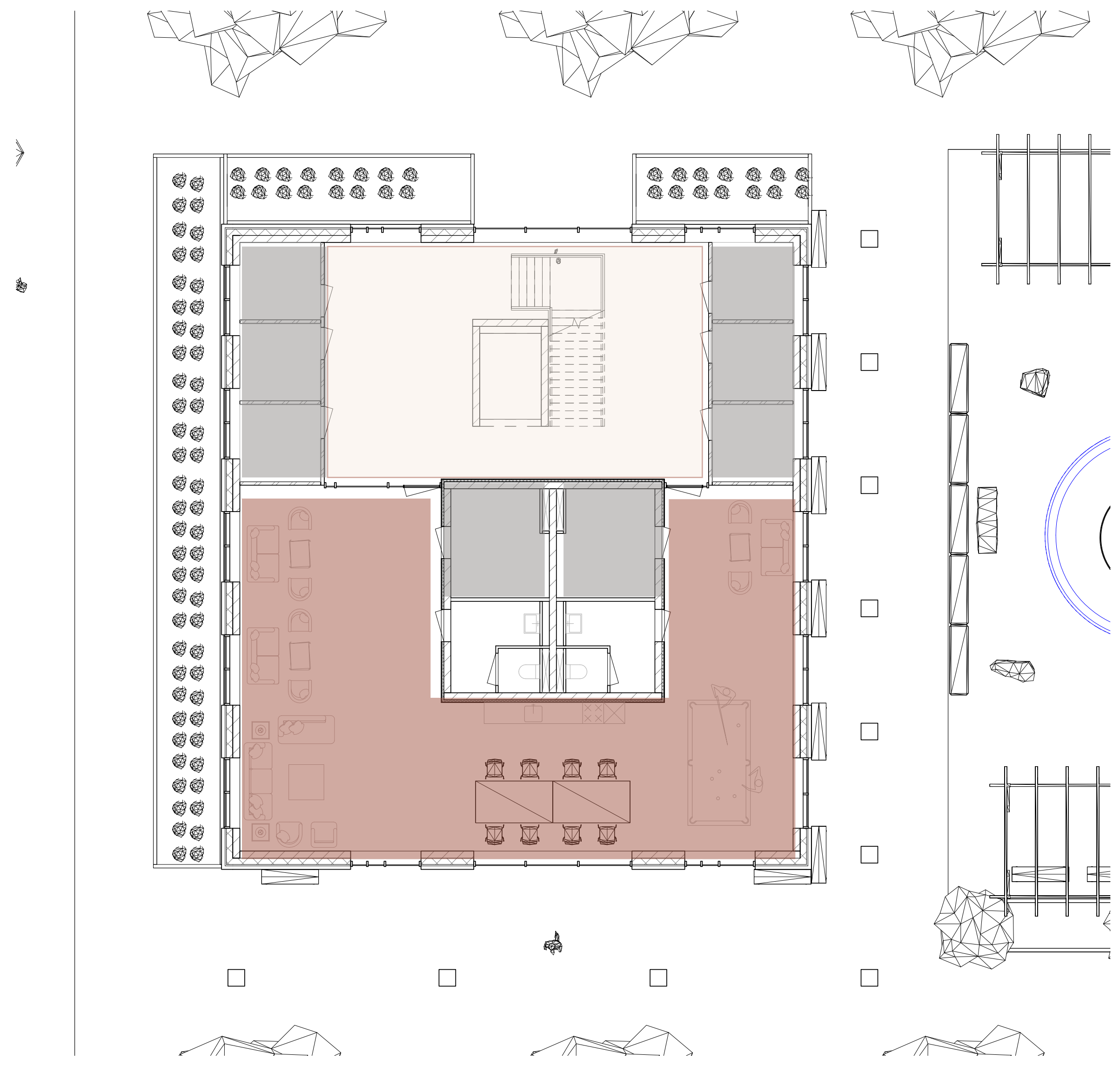
- communal traffic space
- storages
- communal bicycle storage
- communal living room

New existing building communal spaces (floors 1-3)

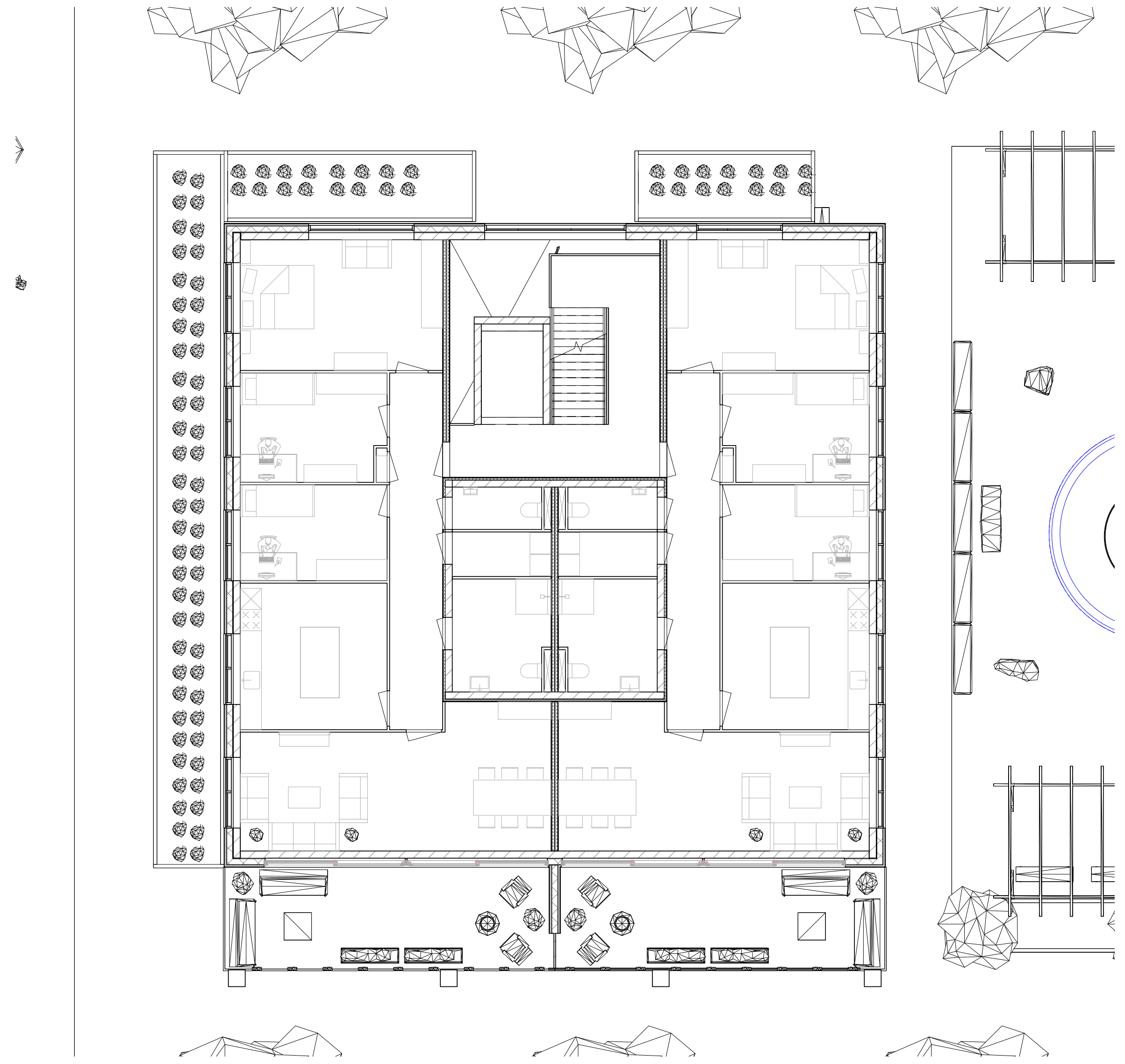


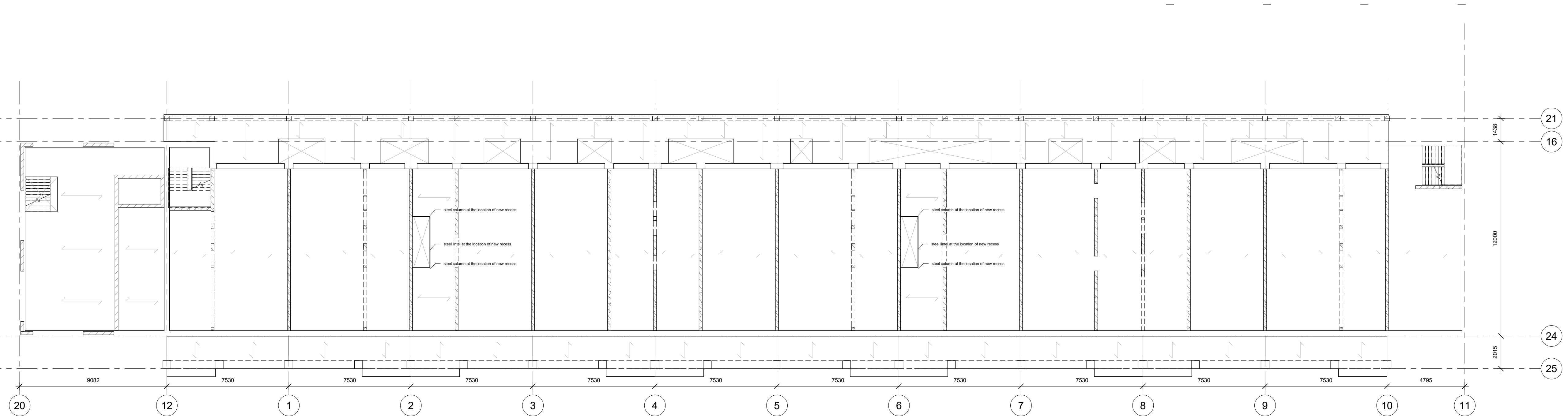
New building block

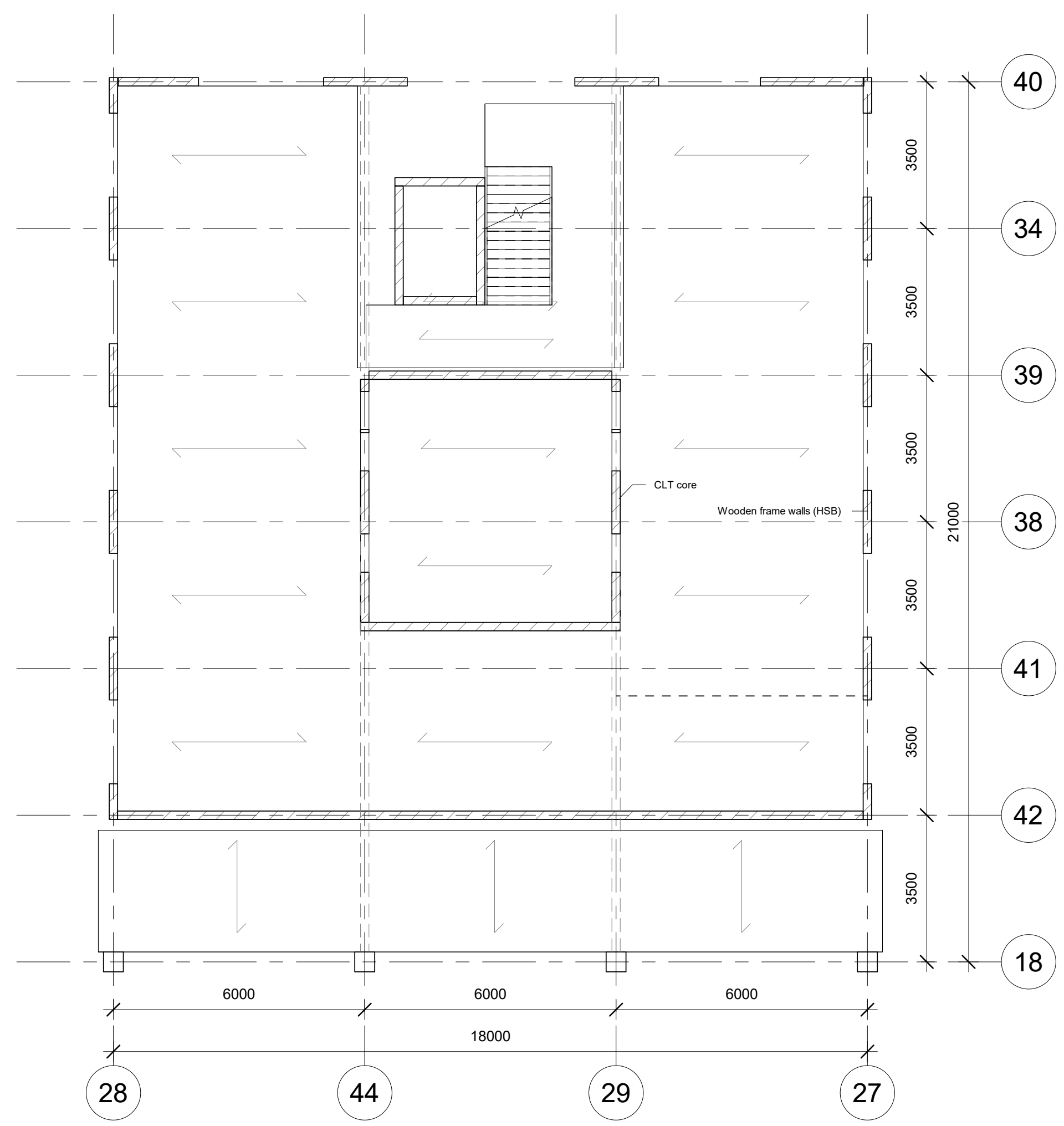
- communal traffic space
- storages
- communal bicycle storage
- communal living room

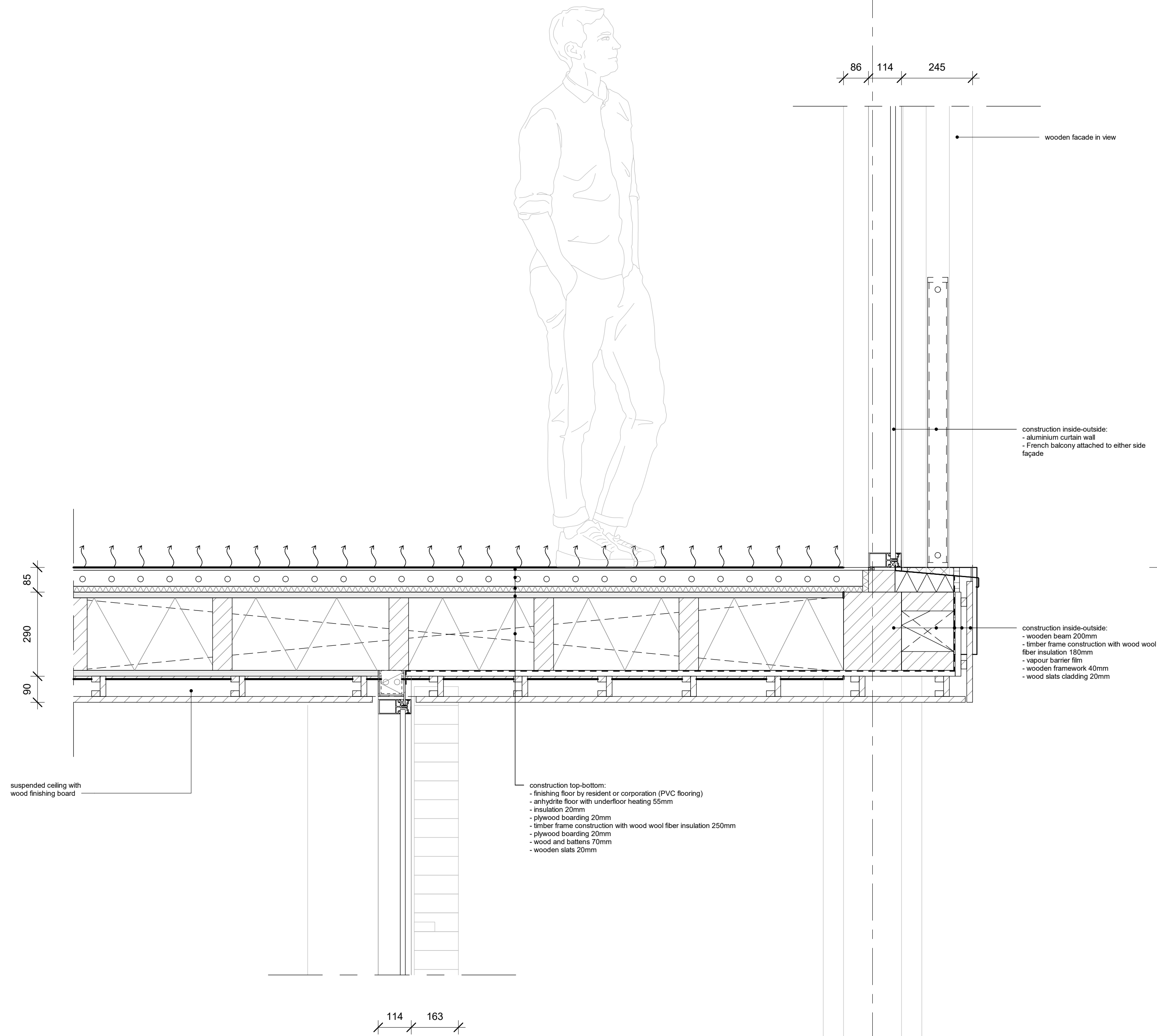


Type F

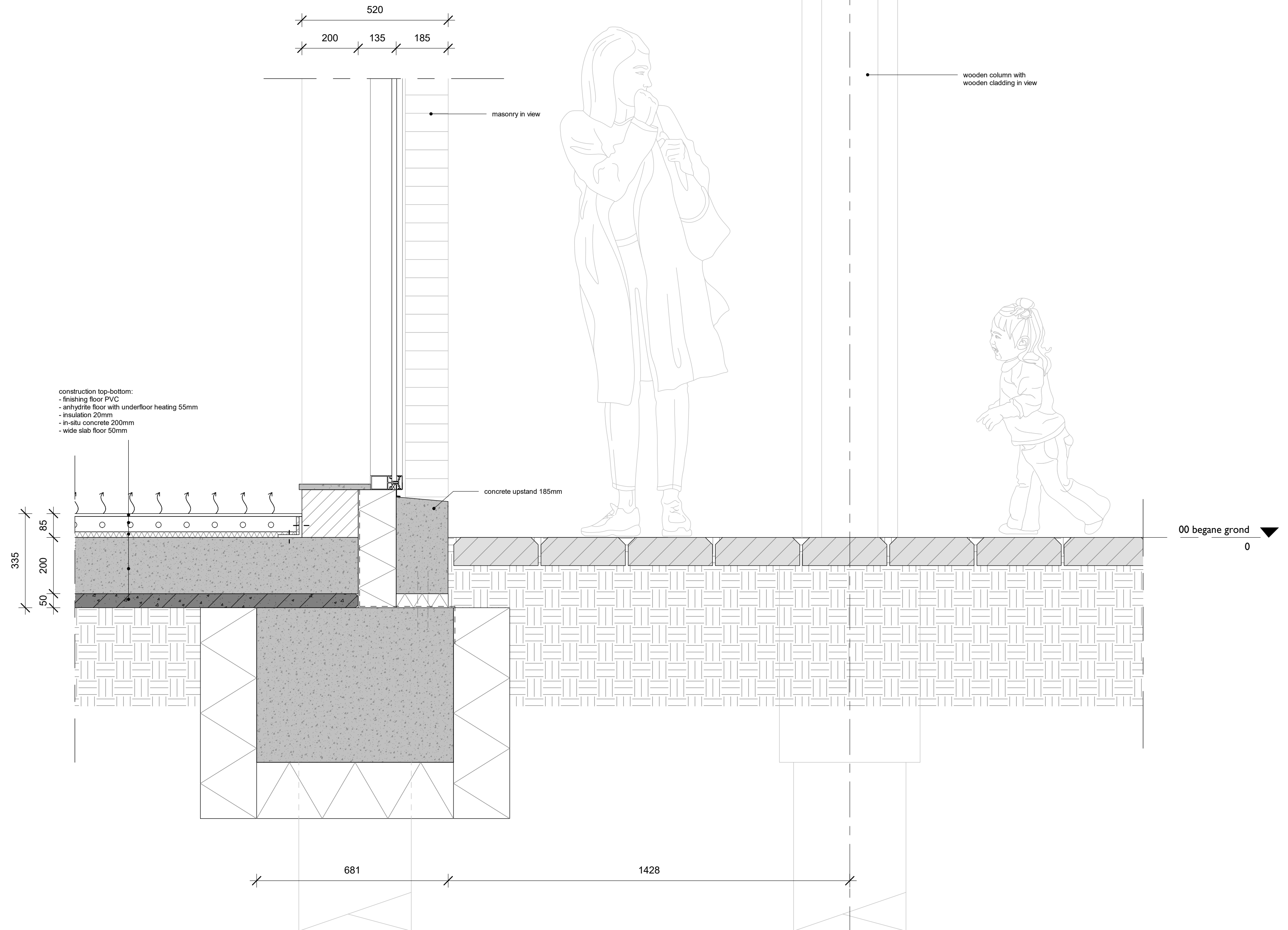




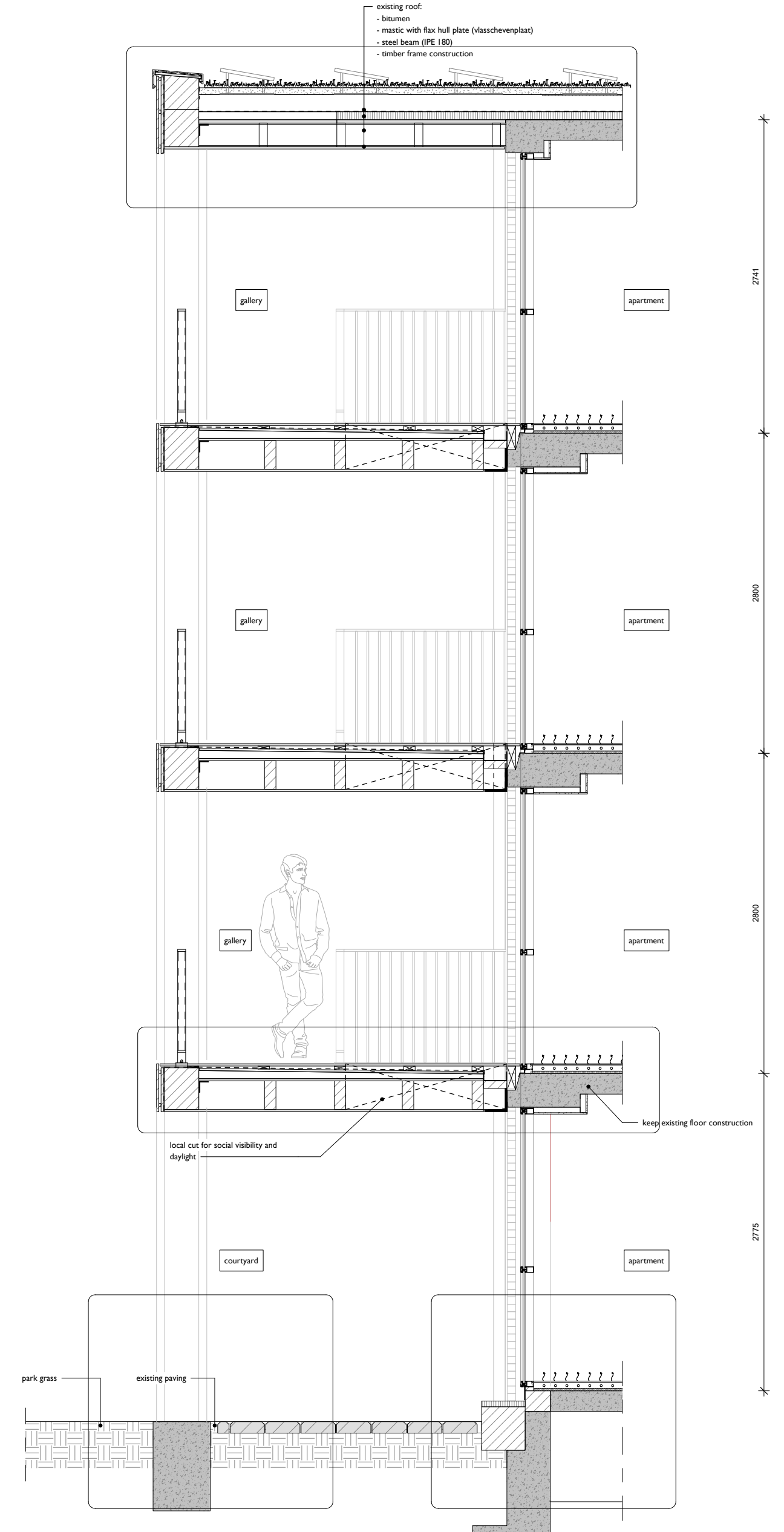
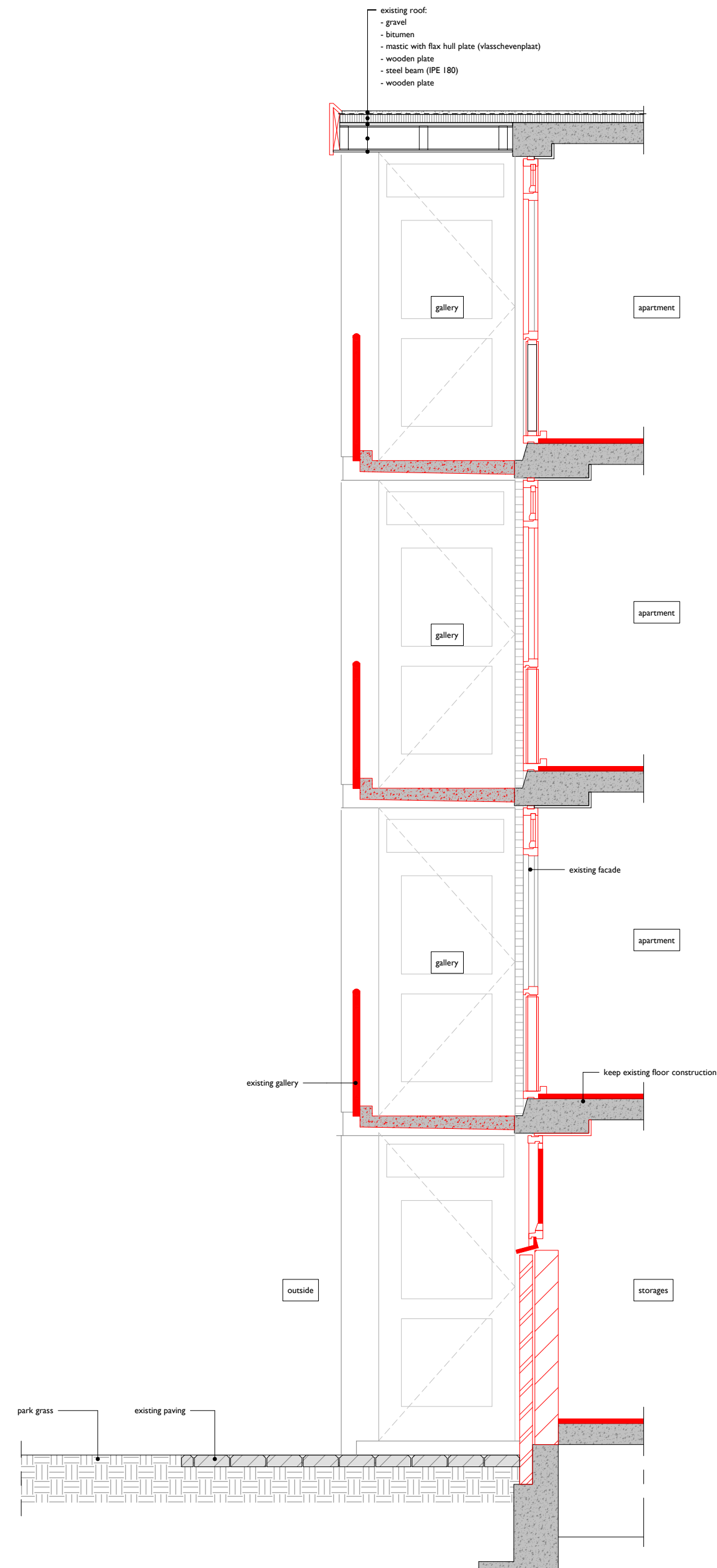
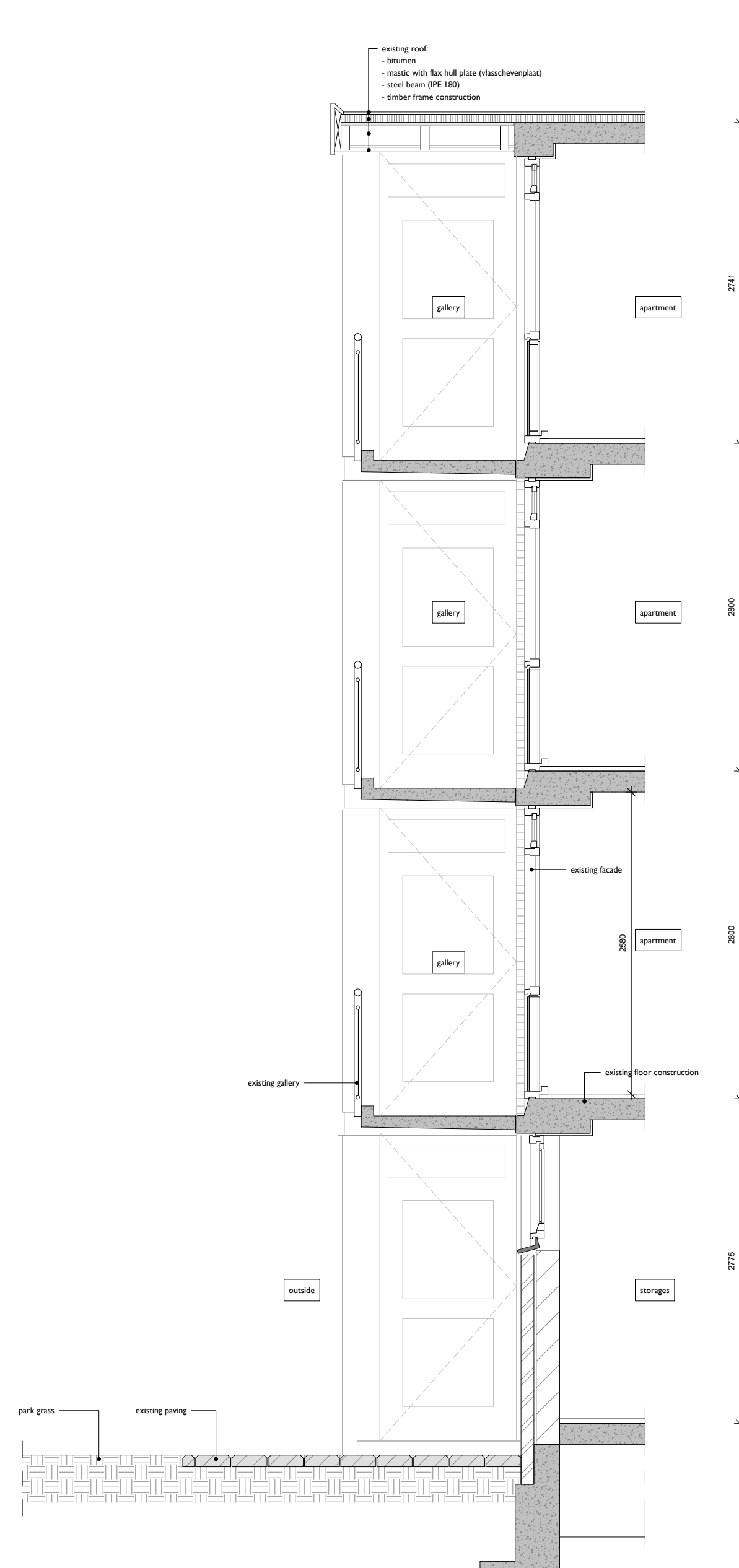




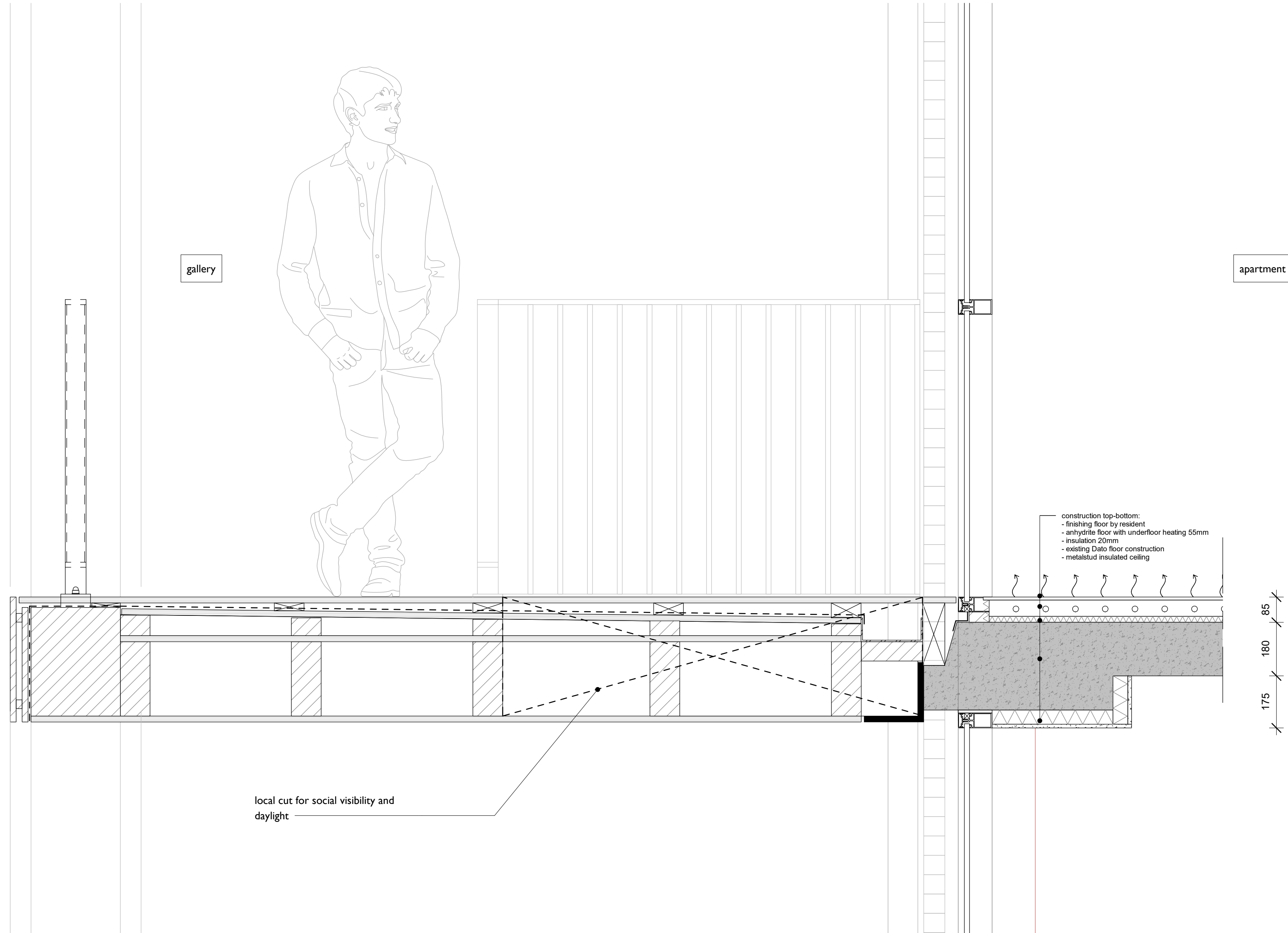
Fragment existing gallery



Detail existing gallery



Fragment existing balcony



Thank you for your attention.