

# AGEING ELDERS

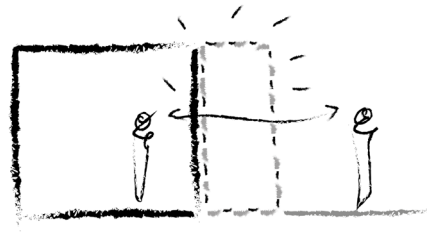
Finding the right home to age

BUILDING DESIGN

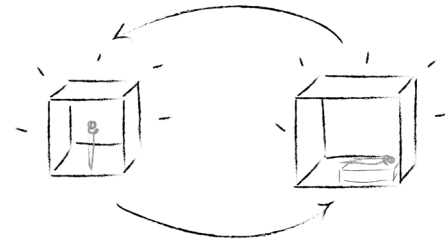
Laurens Coster 5433770  
Graduation Studio: Advanced Housing Design  
Faculty of Architecture & Built Environment, TU Delft



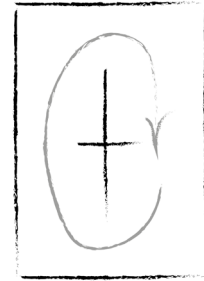
## INDIVIDUAL SCALE



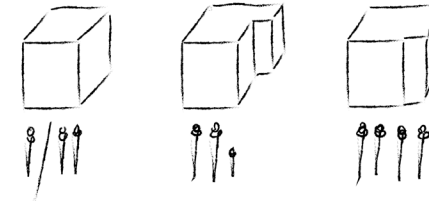
semi-public space



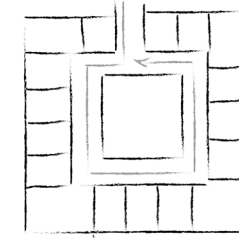
opportunities for growth advancements



flexible and clear floorplan



different size dwelling based on needs

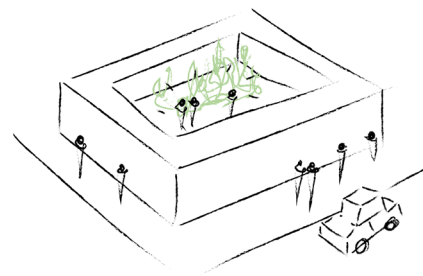


promoting different routes and walking



separation between collective and individual

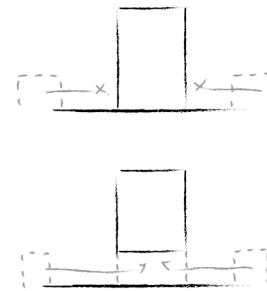
## COLLECTIVE SCALE



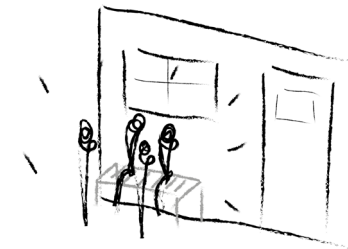
community closed off



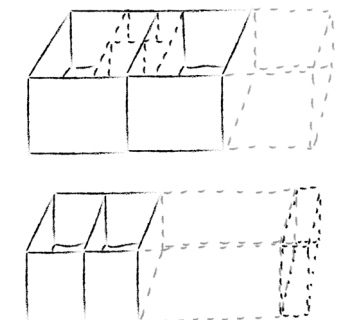
closer connections with people within own building



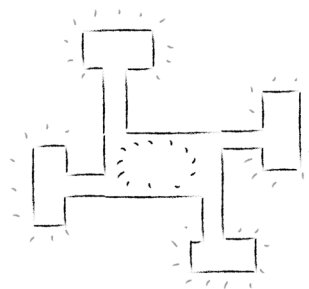
facilities inside building



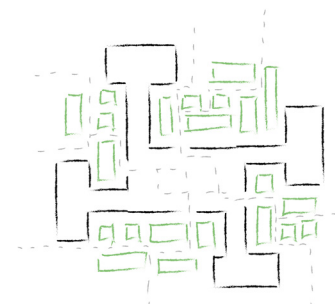
interaction in traffic space



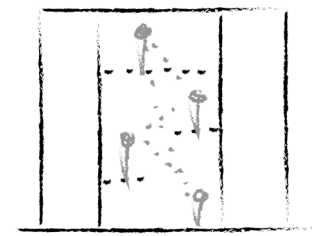
facilities in collective space to make it more qualitative



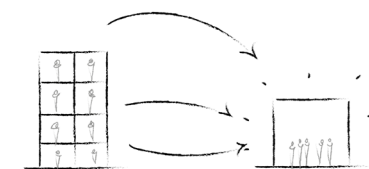
collective space in centre of building



porosity of building for the neighbourhood



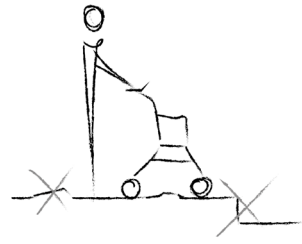
vertical interaction



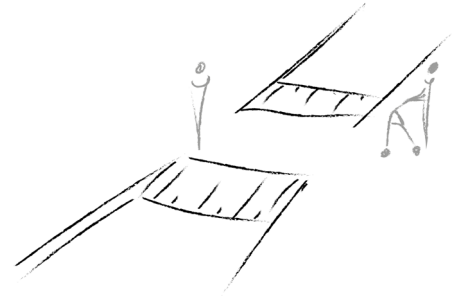
service centre nearby

## Physical

### accessibility & safety



no obstacles



slowing down traffic & easily crossing the street

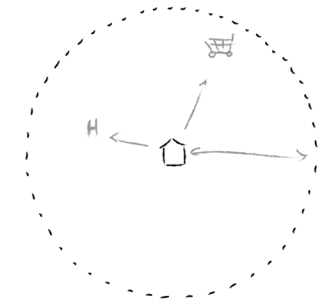
## Functional

### transport



accessible public transport

### amenities

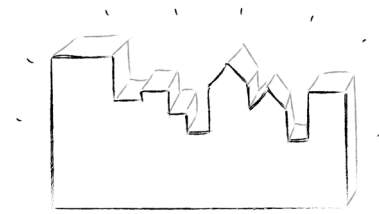


amenities within 500m range

### recognition



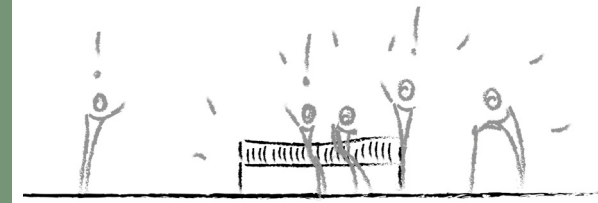
street corners



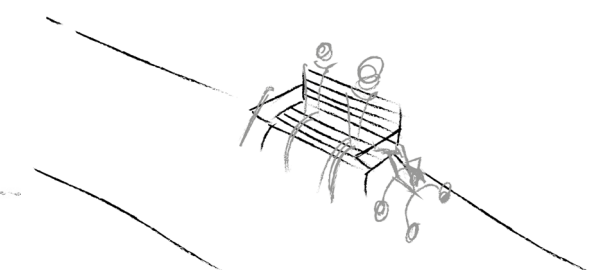
diversity in architecture & functions

## Social

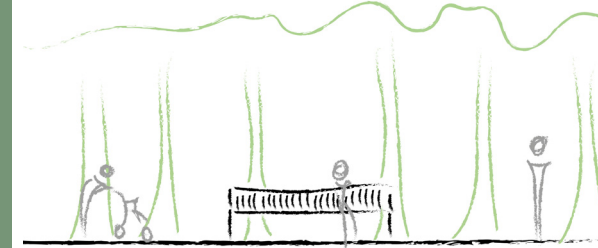
### social interaction



bench in active place

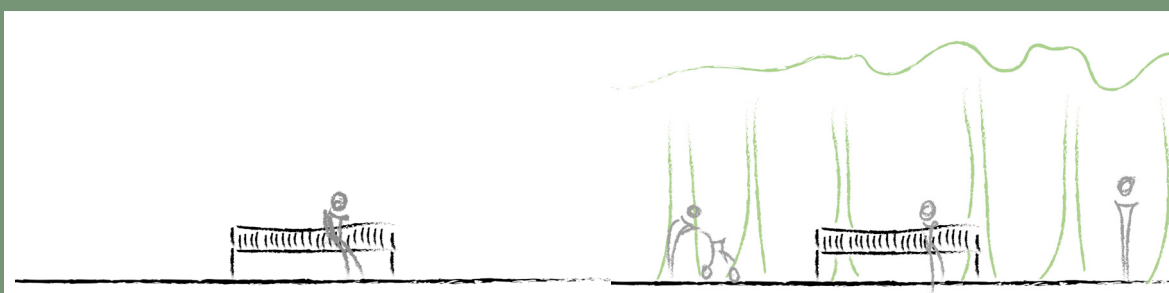


encounters outside



green for stimulating encounters

### activity



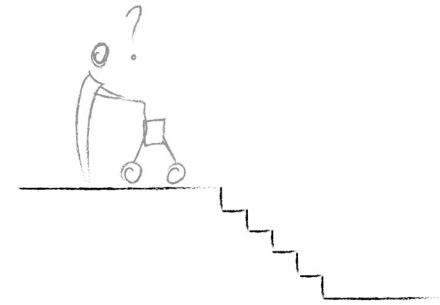
benches

park

drawings based on design principles by Platform31 and Ben Sajet Centrum

## Physical

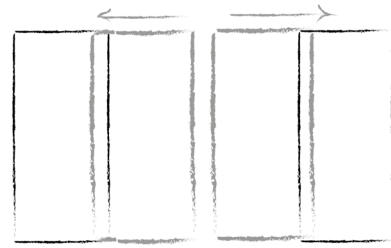
### accessibility & safety



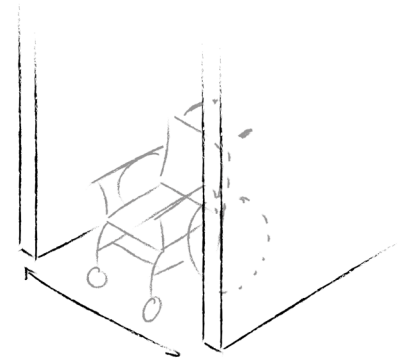
no unnecessary stairs



slopes for wheelchairs & walkers

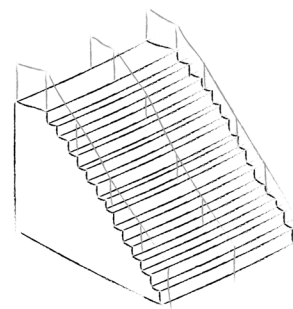


automatic doors



hallways wide enough for wheelchairs and turning

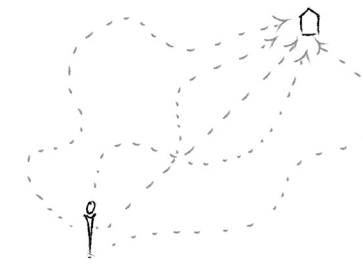
### activity



stairs with bannisters

## Functional

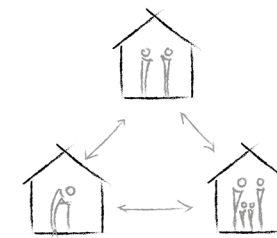
### routing



different routing

## Social

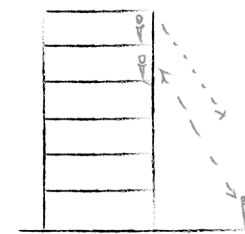
### social interaction



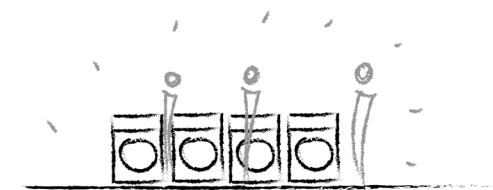
diversity in generations



communal garden



recognizing people from 5 floors

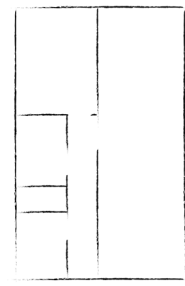


shared spaces

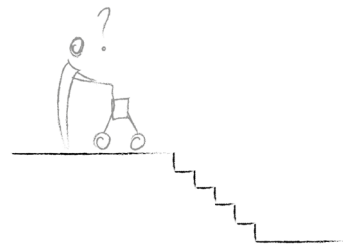
drawings based on design principles by Platform31 and Ben Sajet Centrum

## Physical

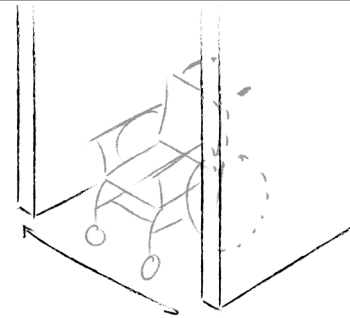
### accessibility & safety



important rooms on ground floor



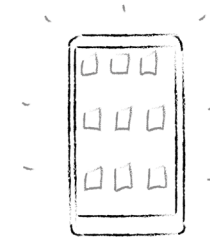
no stairs and thresholds



wheelchair

## Functional

### needs



domotica



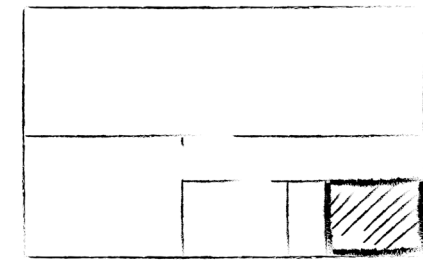
constant temperature

## Social

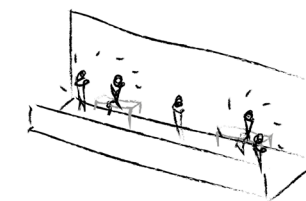
### connectivity



clustered living

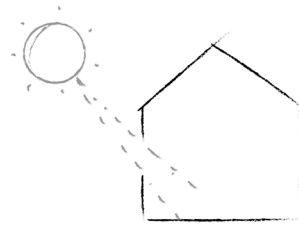


spare bedroom

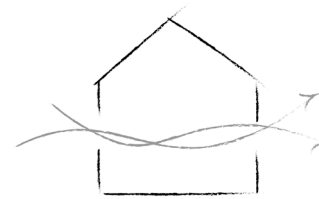


interaction on gallery space

### comfort



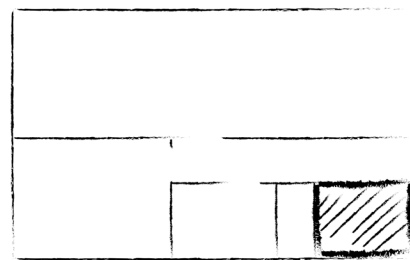
daylight



good ventilation



comfortable space to sit



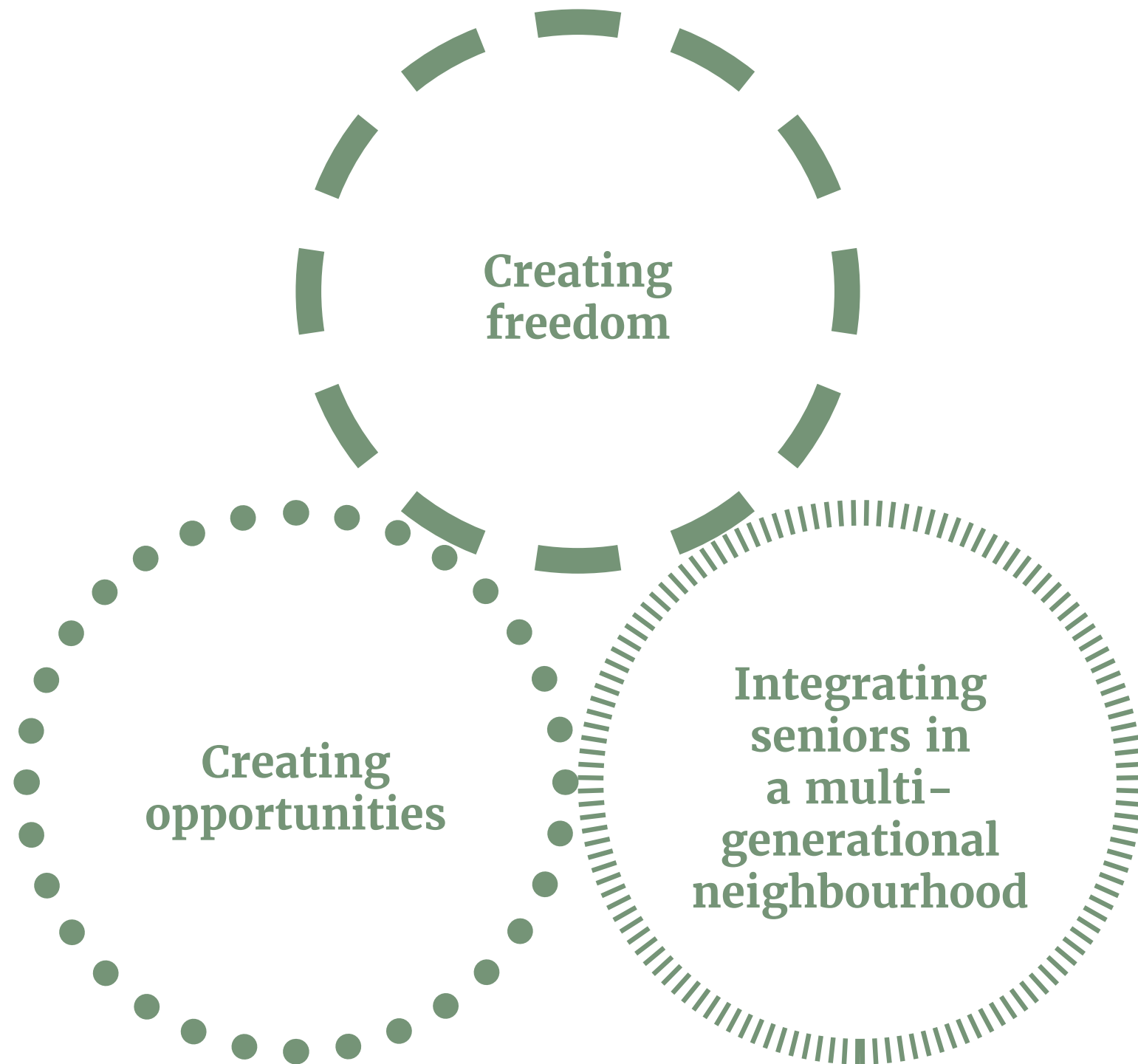
hobby room

### recognition



front door

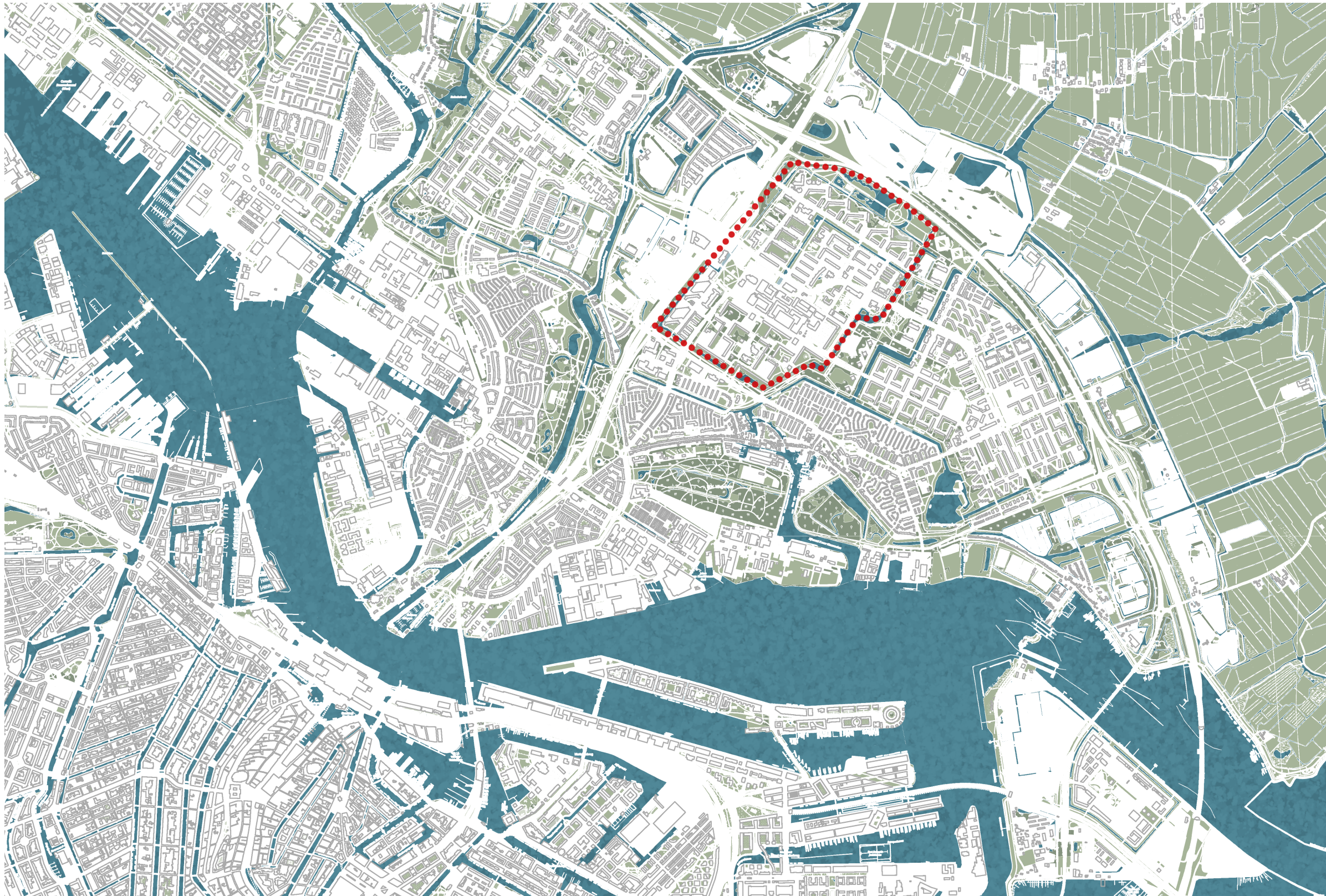
drawings based on design principles by Platform31 and Ben Sajat Centrum















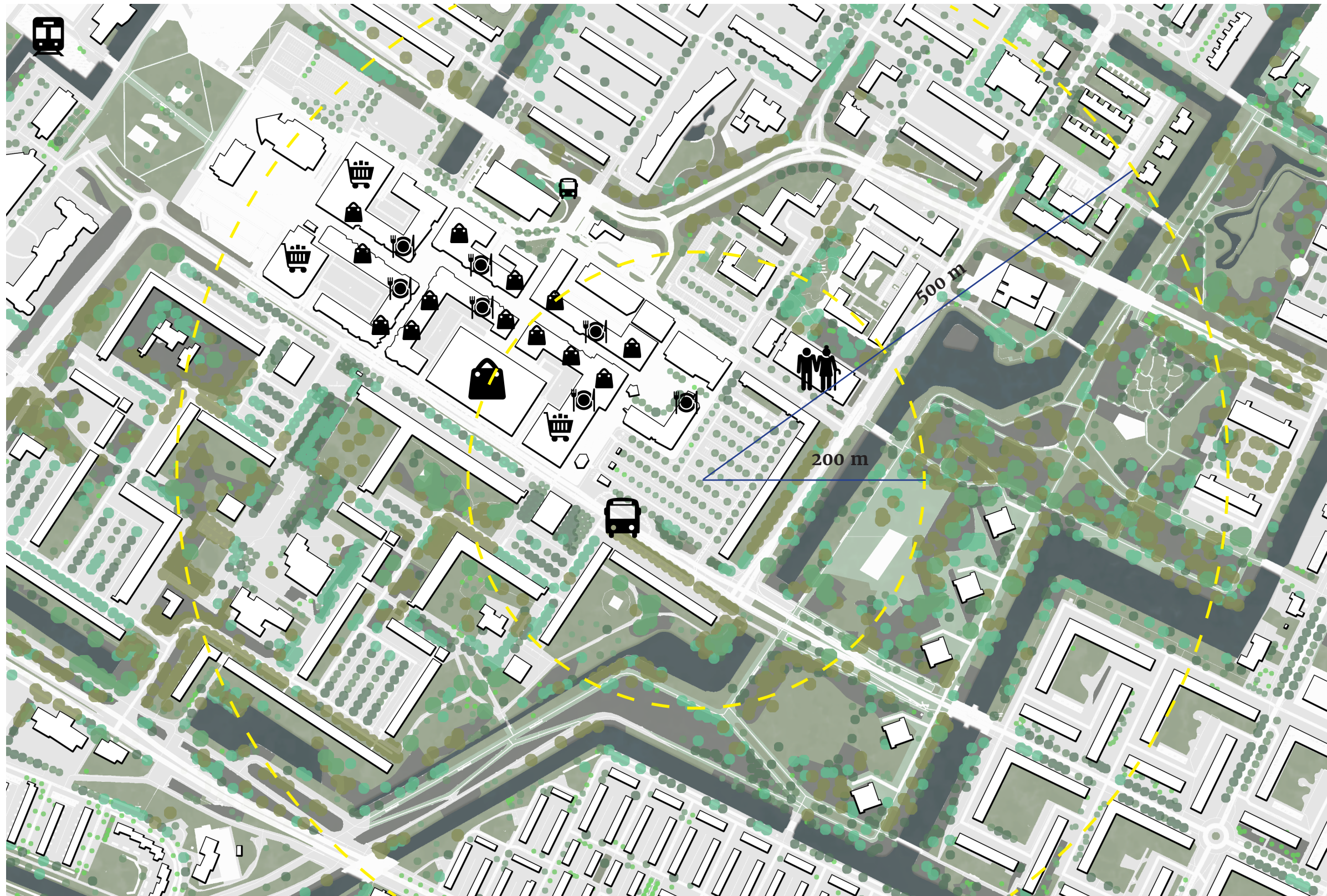




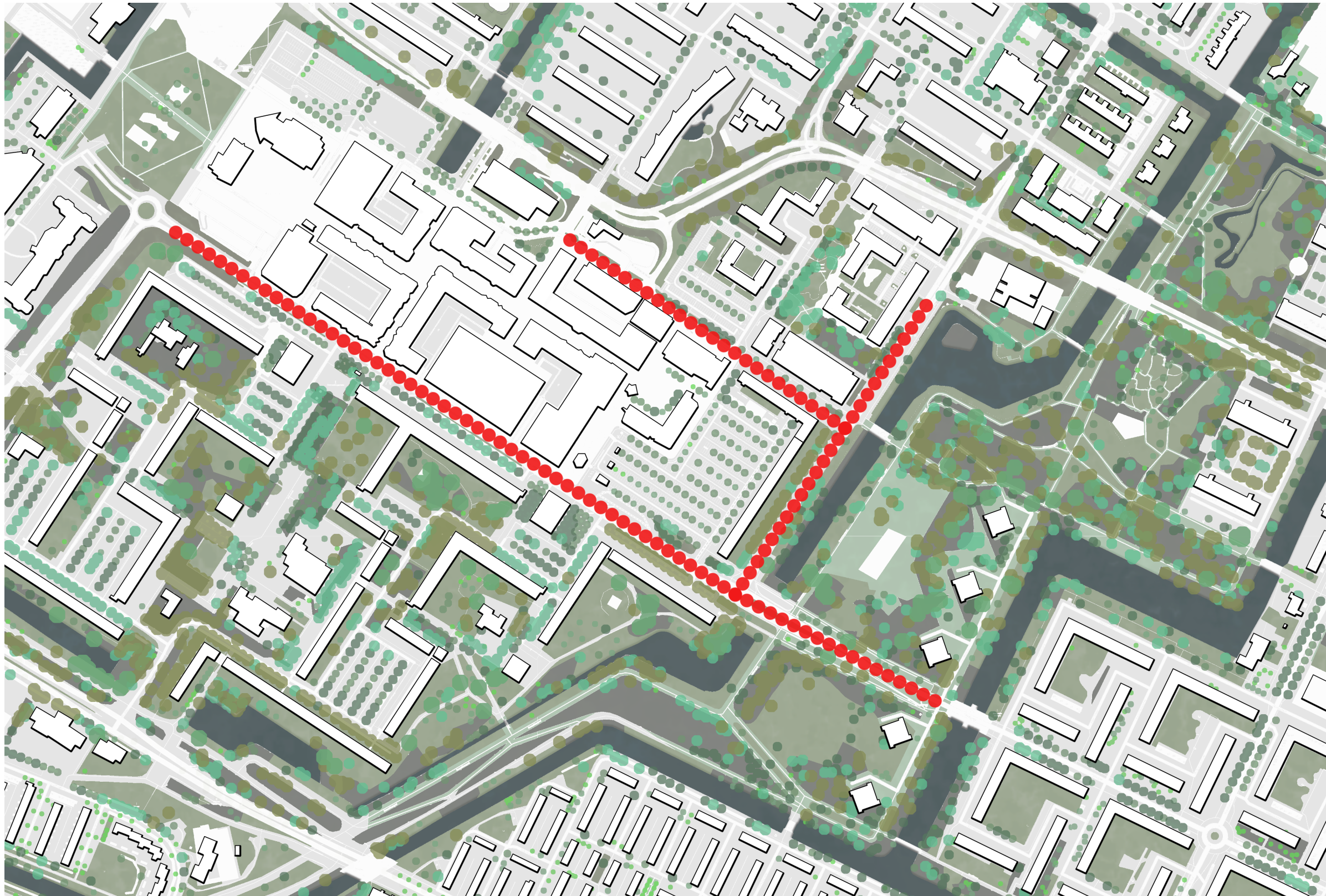




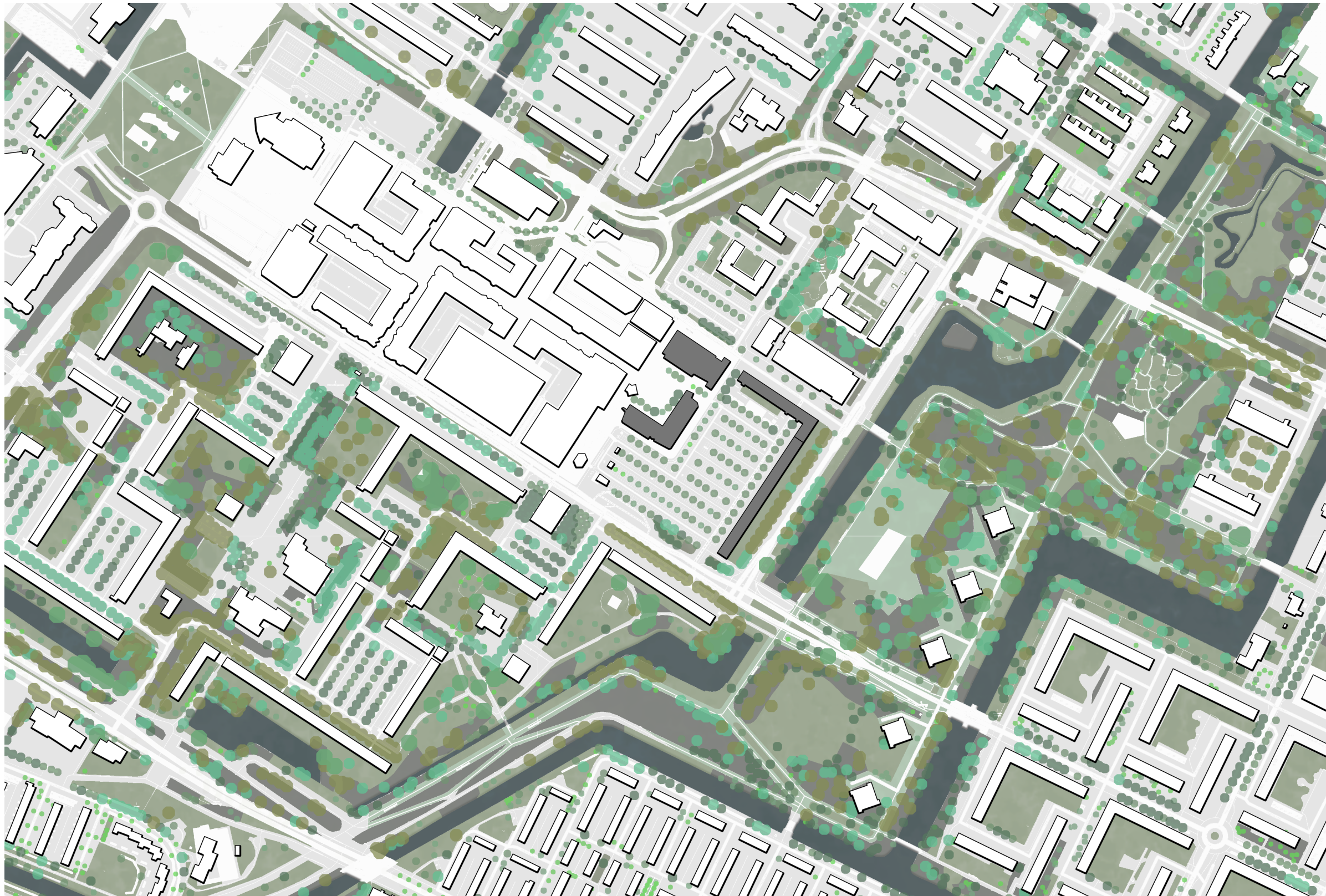














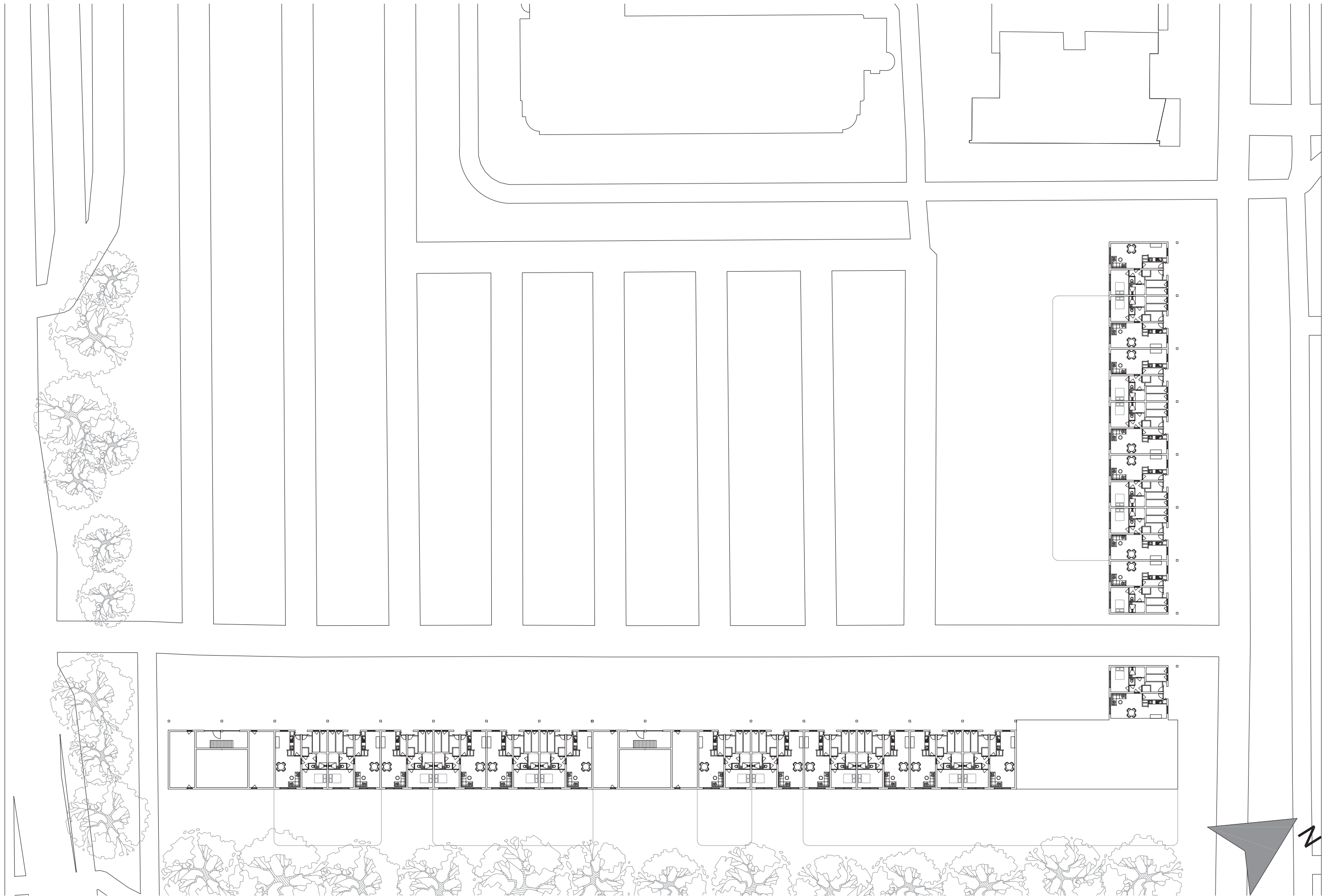




An aerial photograph of a city landscape. A river flows through the center, surrounded by dense urban development with various building footprints and streets. Beyond the city, there are large green fields and some industrial or commercial areas. The text "BUILDING DESIGN" is overlaid in the center in a white, serif font.

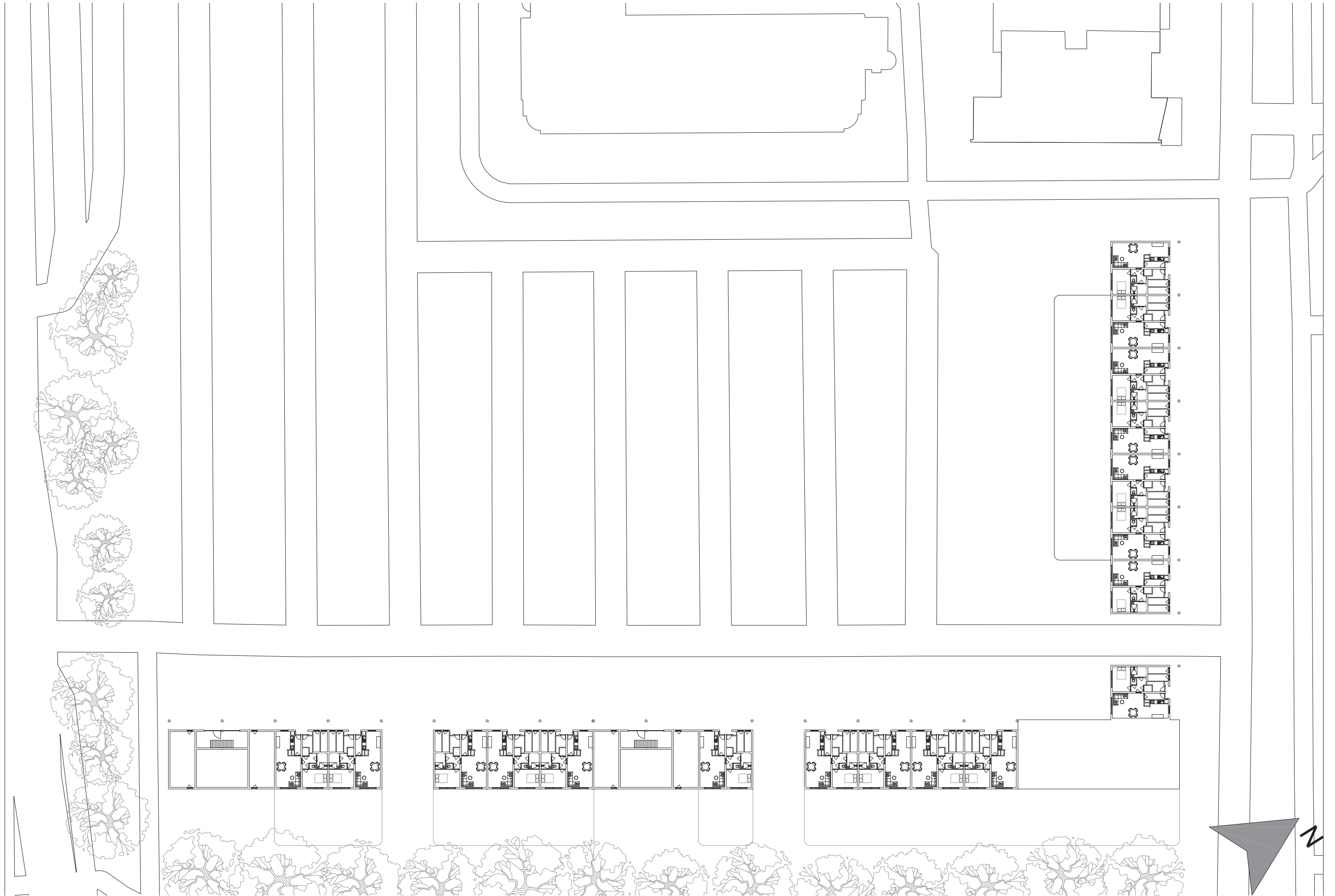
# BUILDING DESIGN

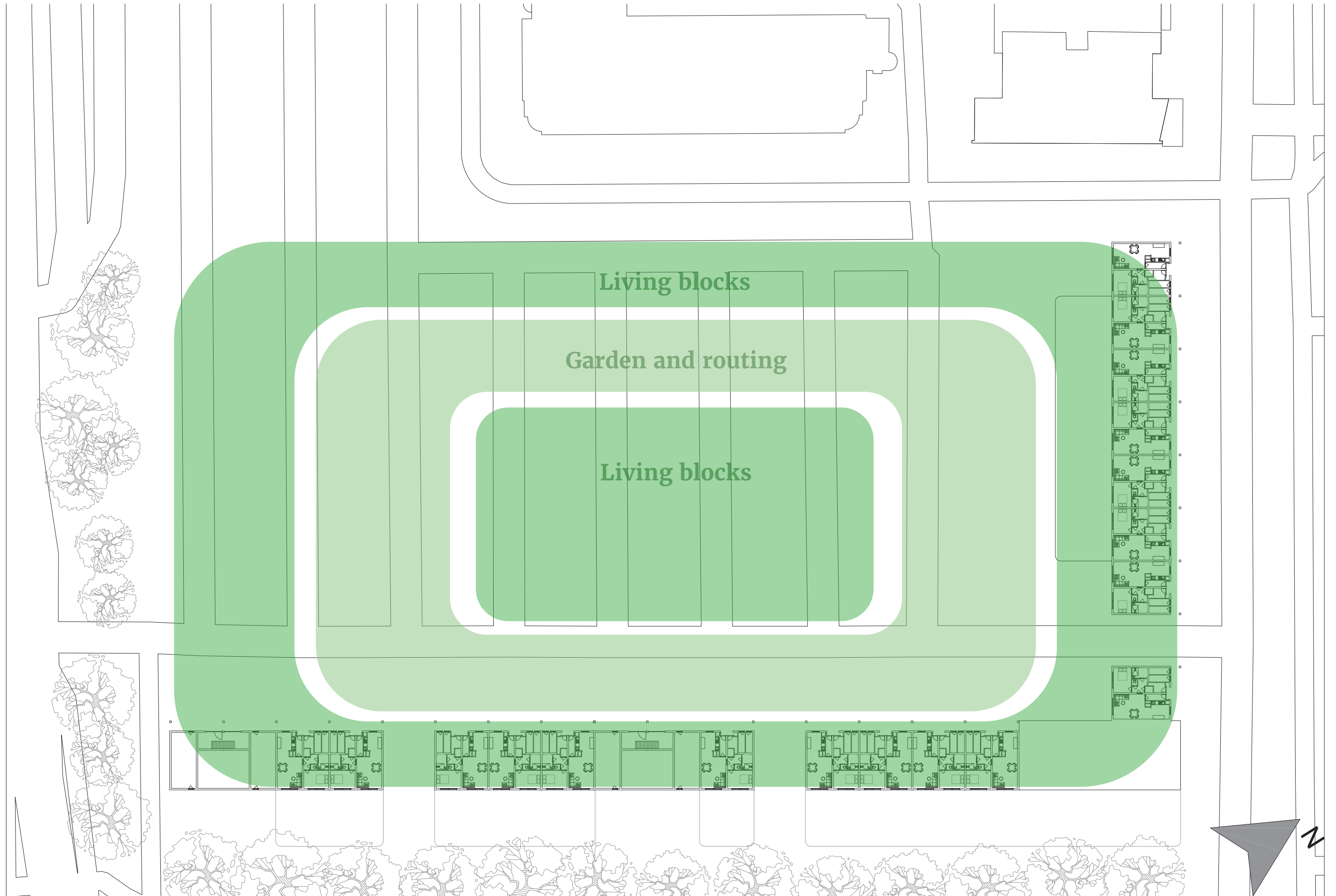


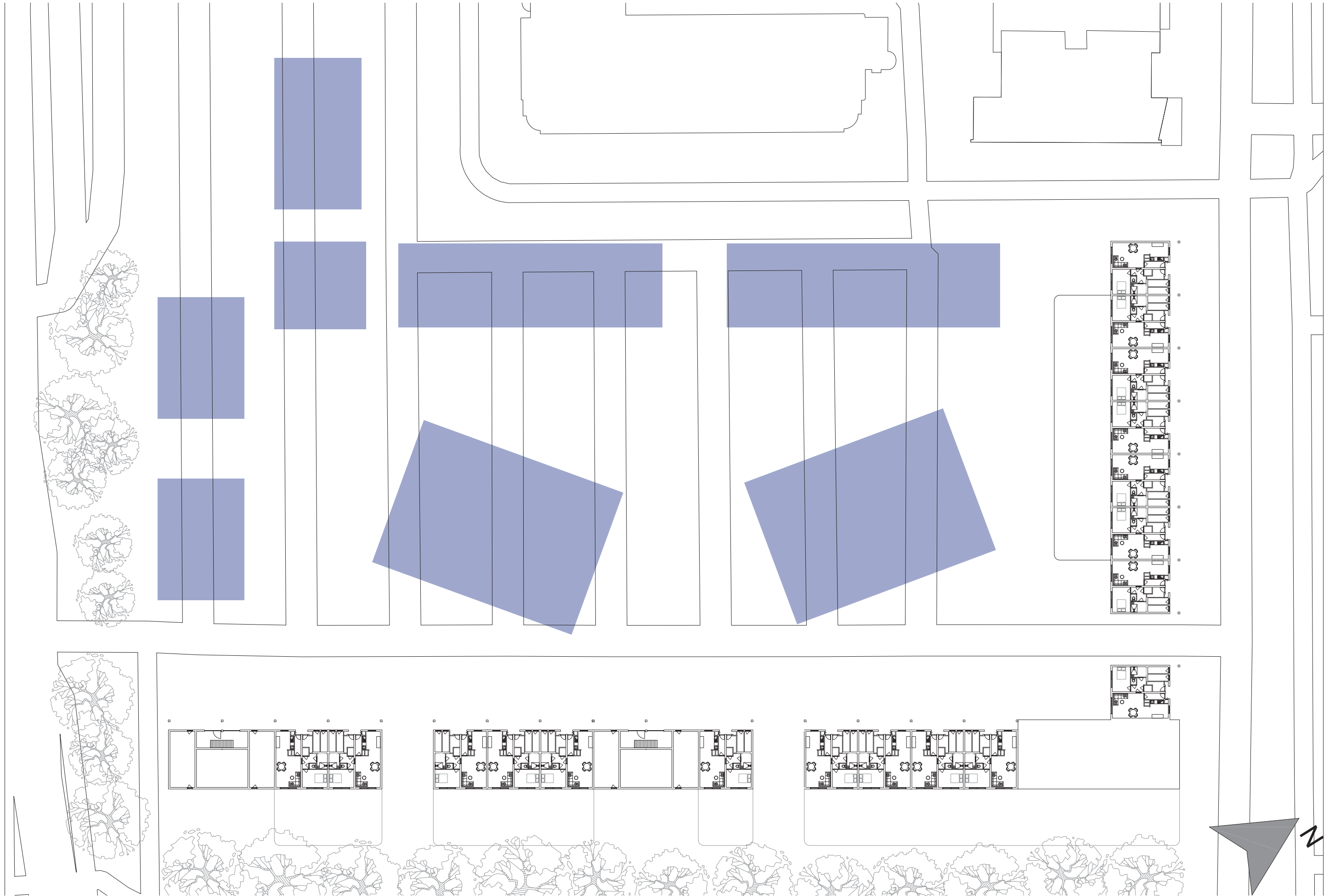




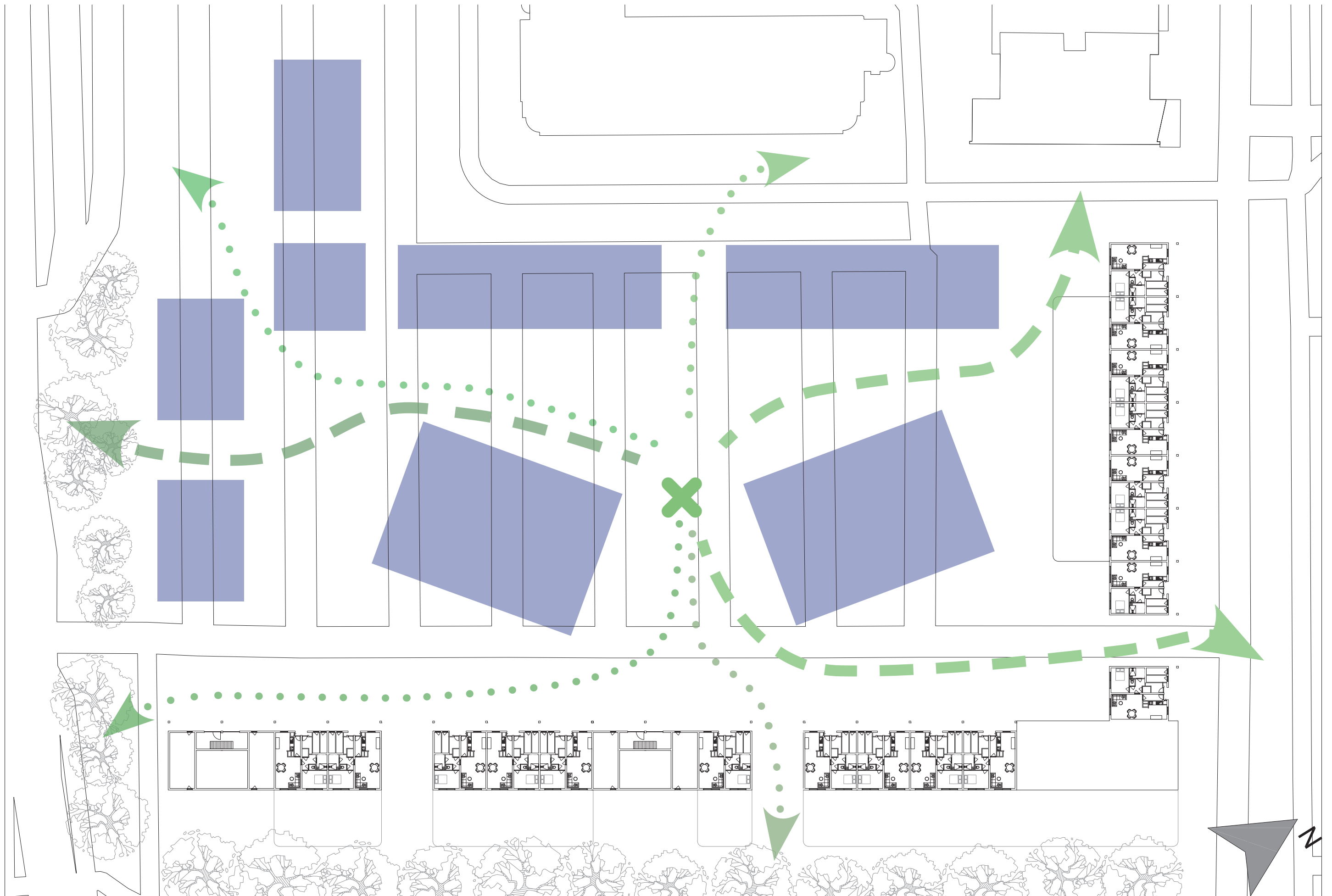


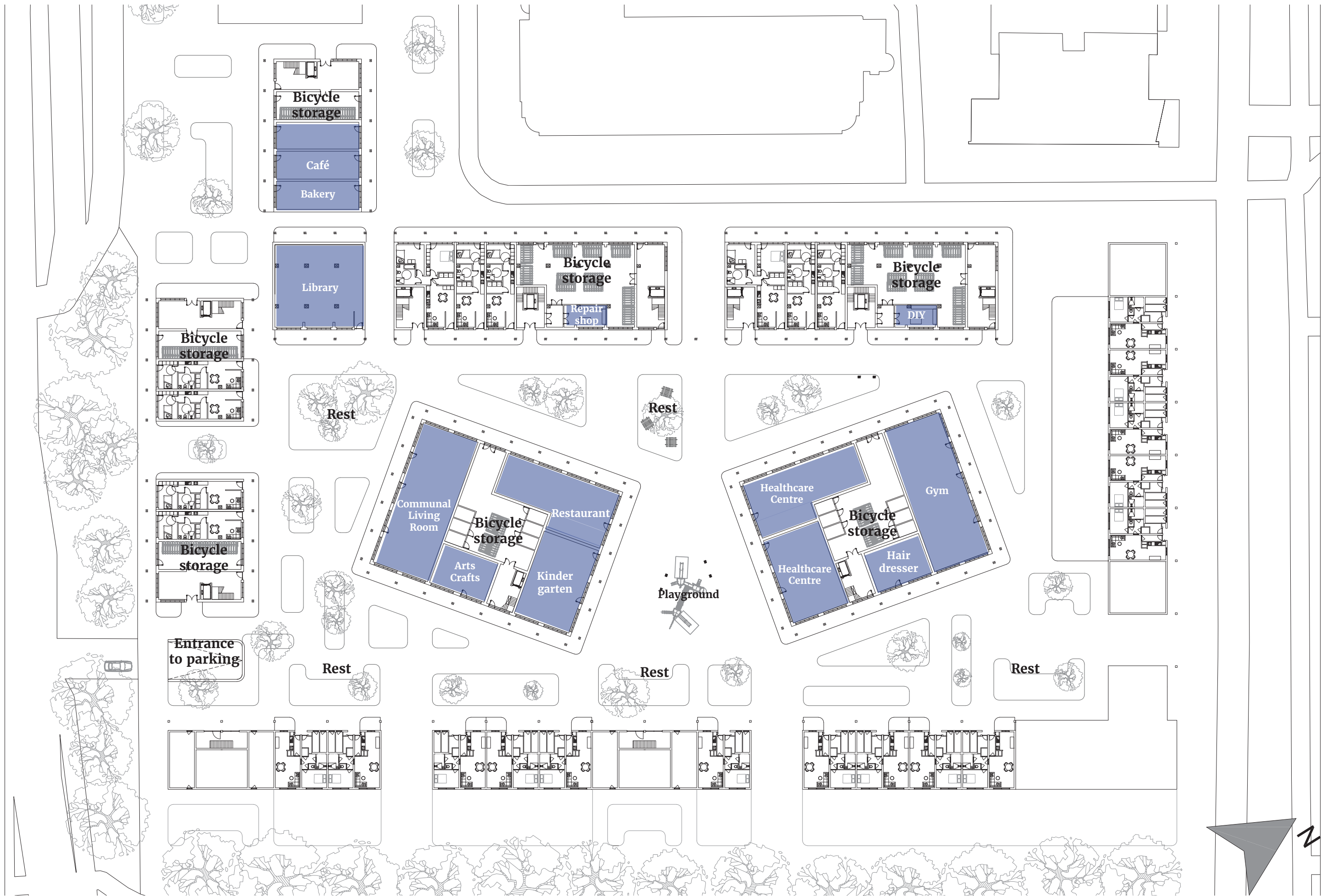


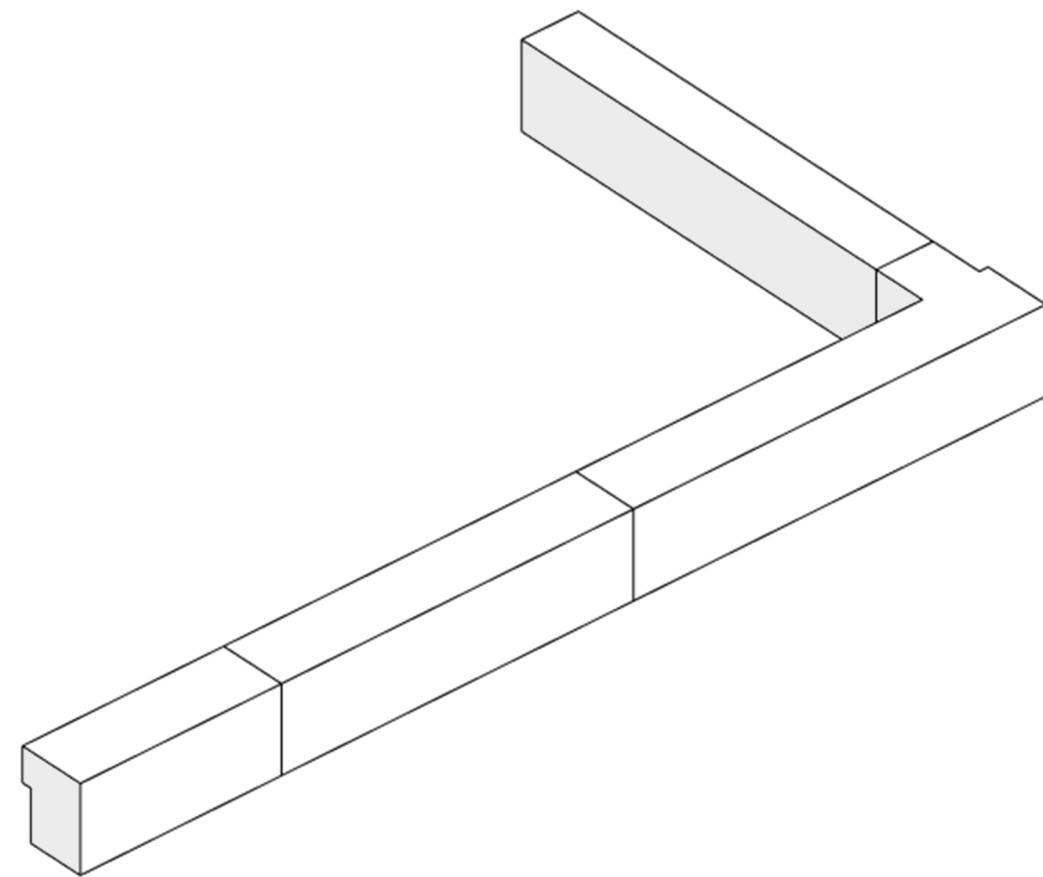


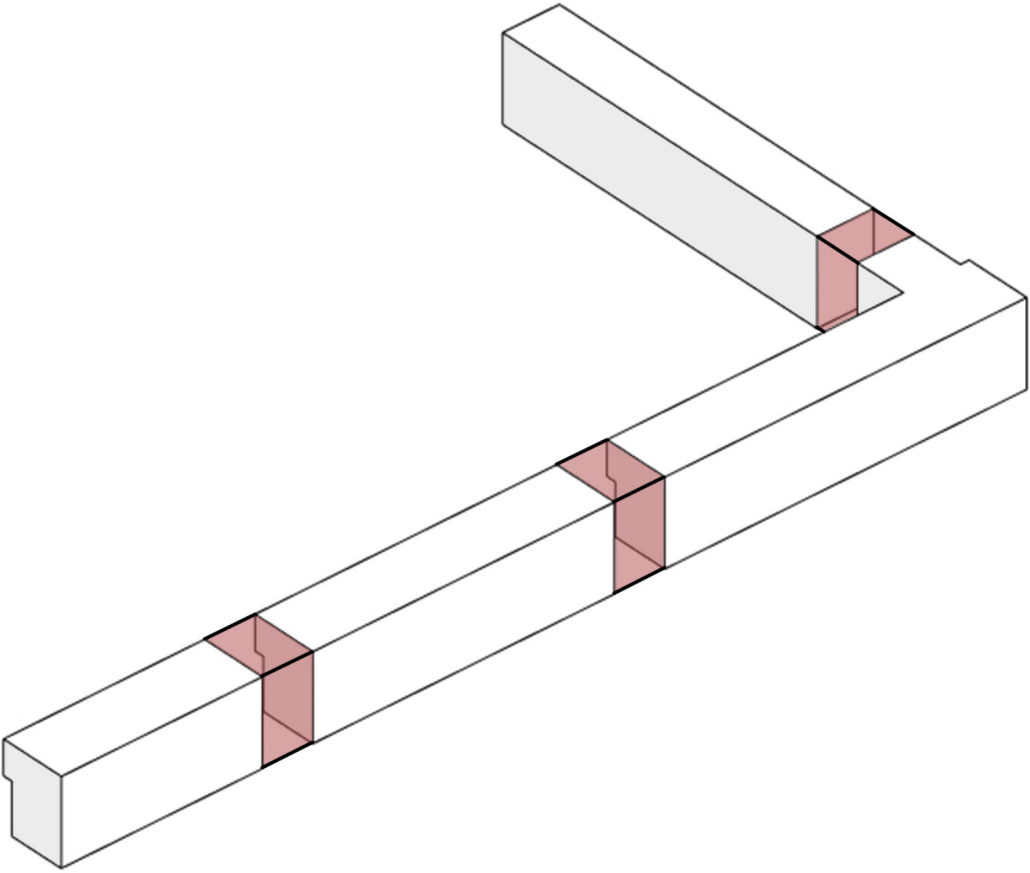




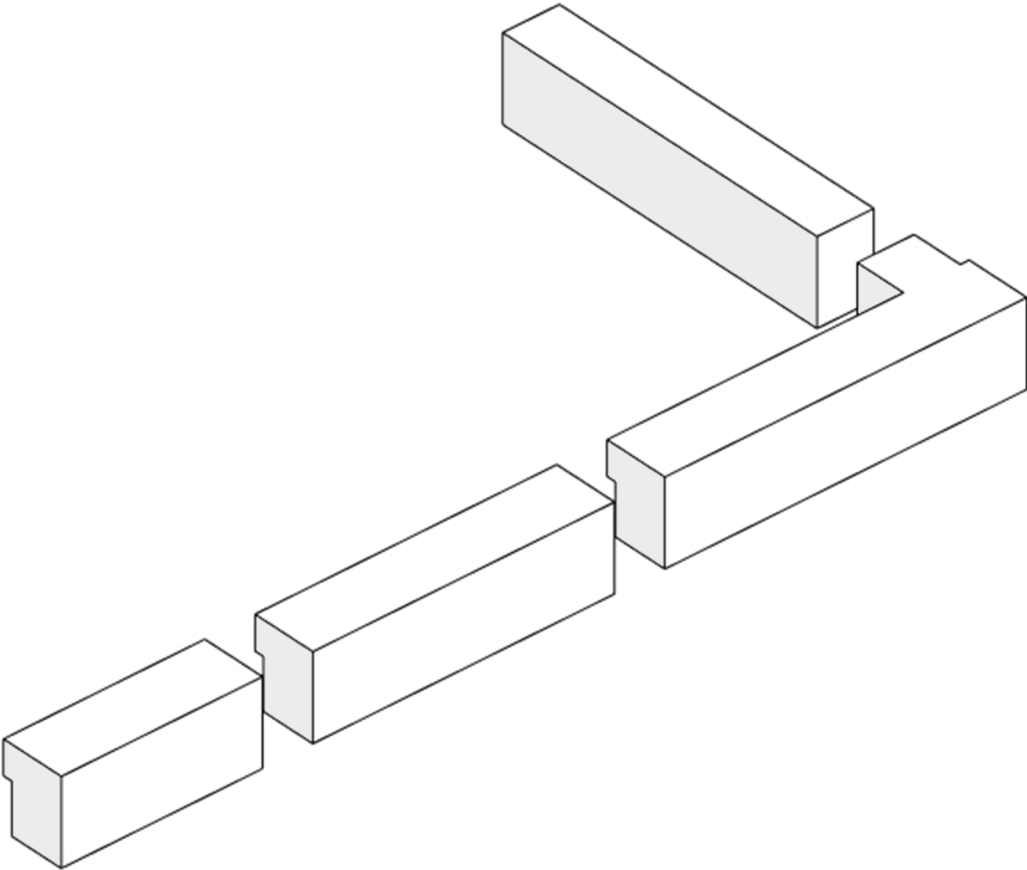


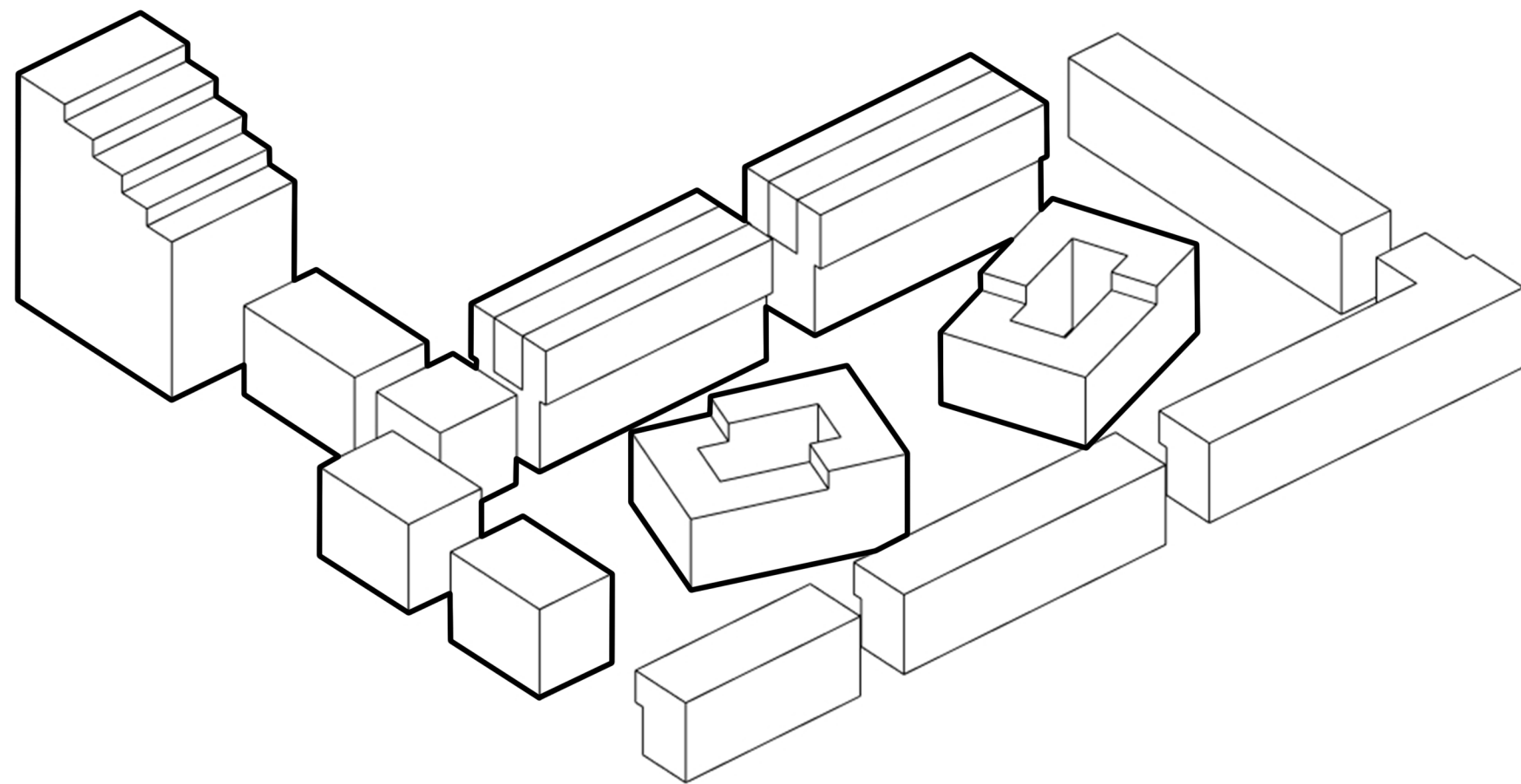


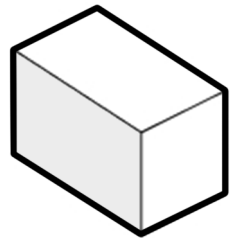






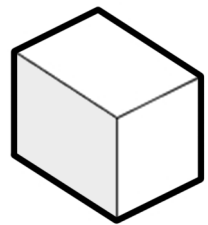






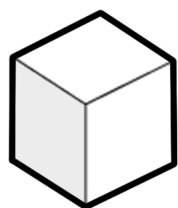
**A**

9 dwellings



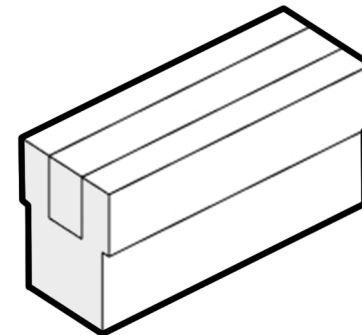
**B**

11 dwellings x 2 = 22 dwellings



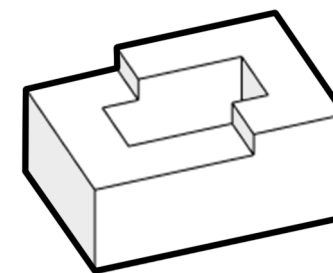
**C**

7 dwellings



**D**

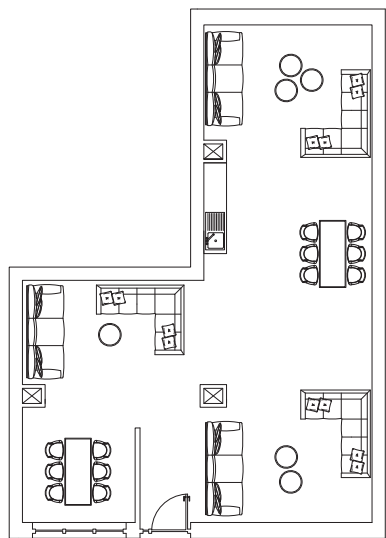
41 dwellings x 2 = 82 dwellings



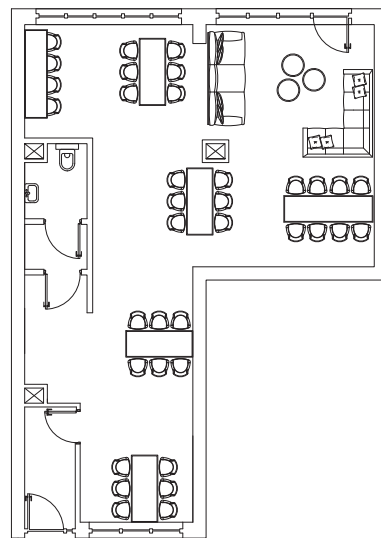
**E**

29 dwellings x 2 = 58 dwellings

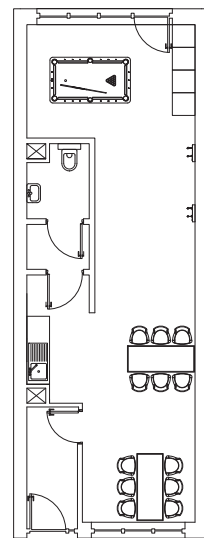




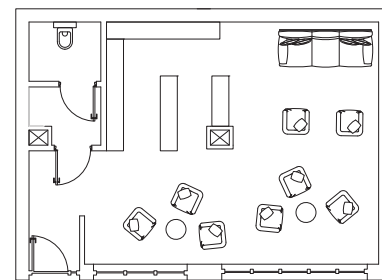
Living room



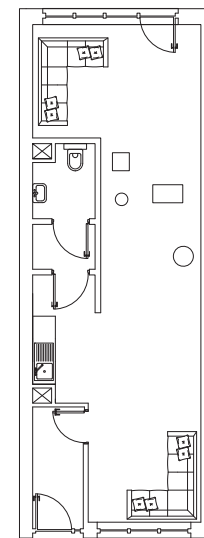
Study room



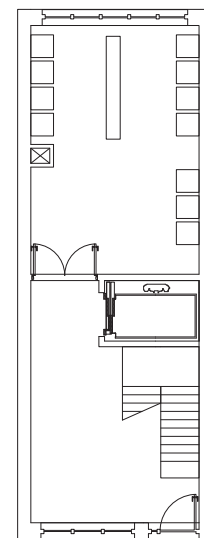
Game room



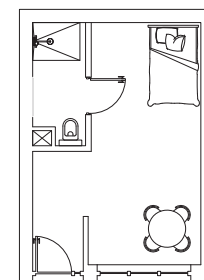
Reading room



Kids  
playroom



Laundry room



Lodger room



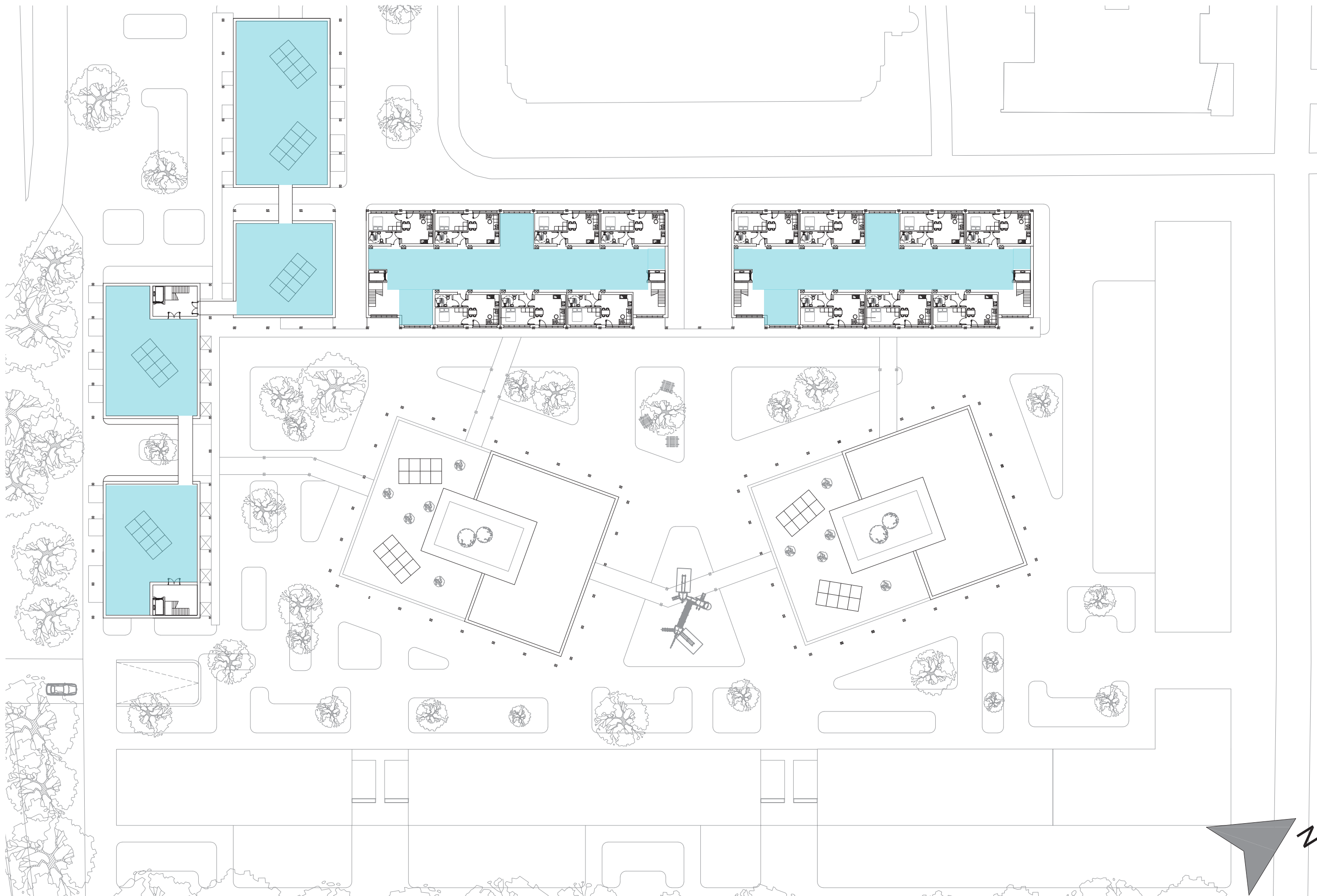










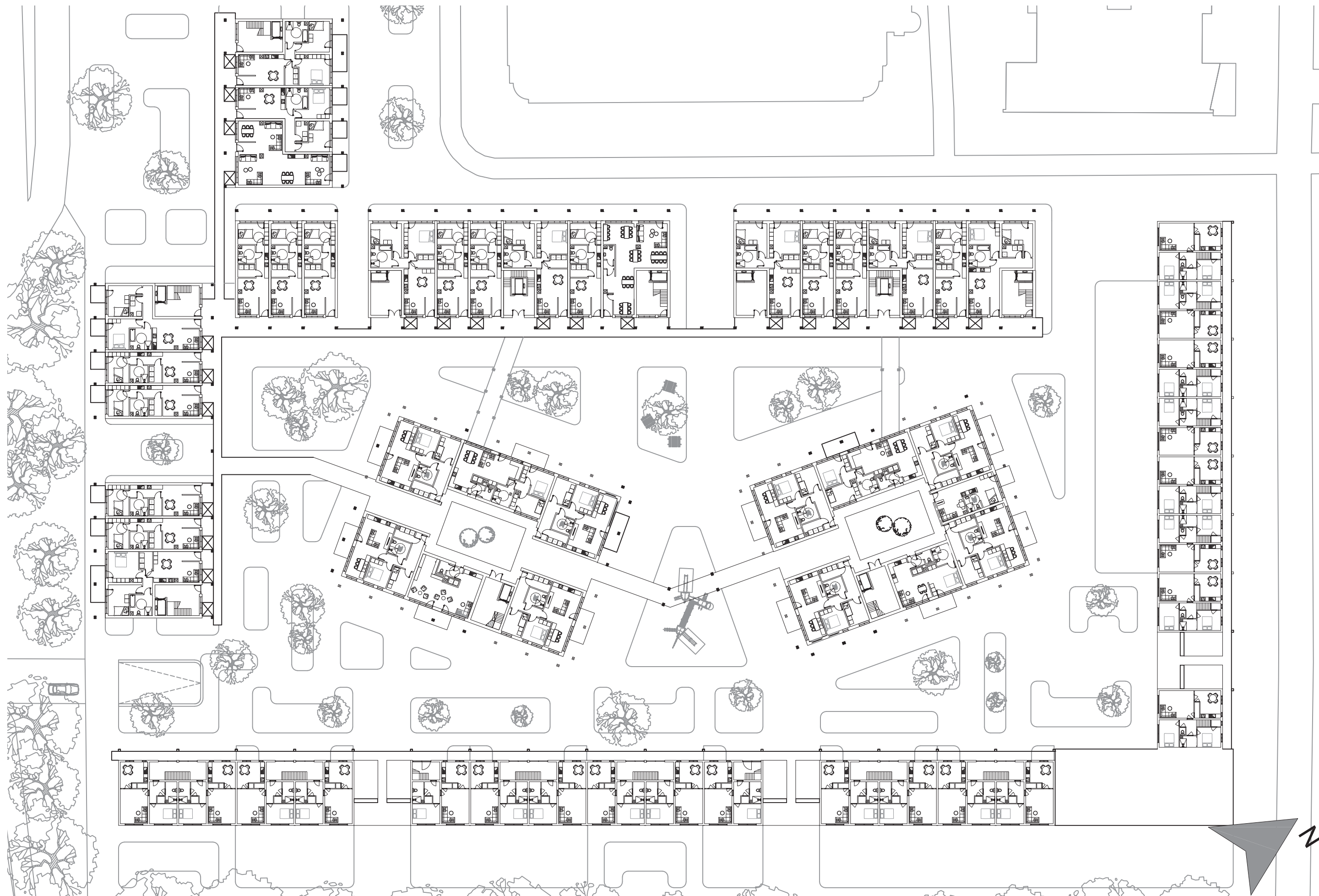


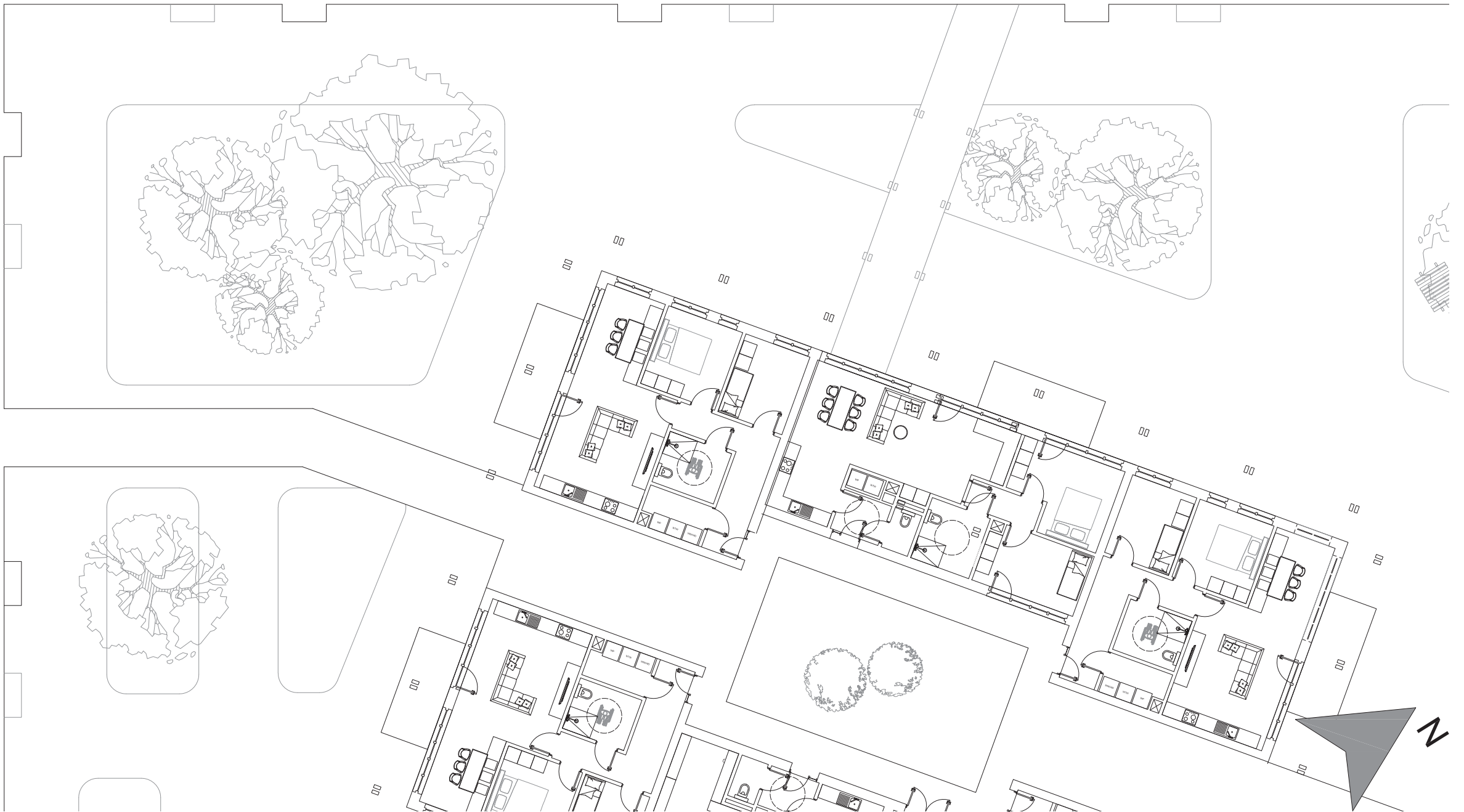
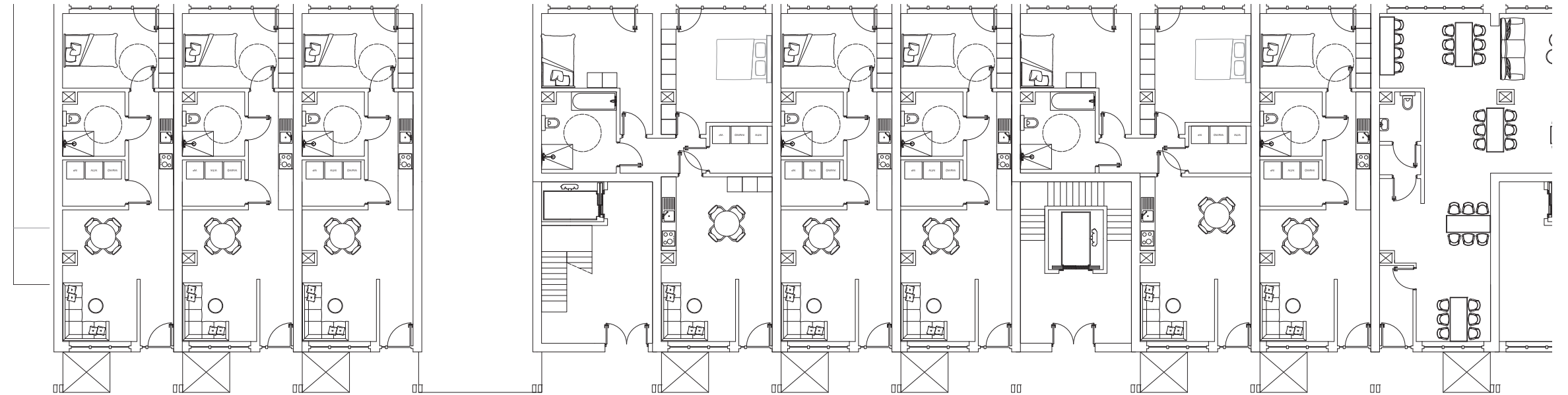
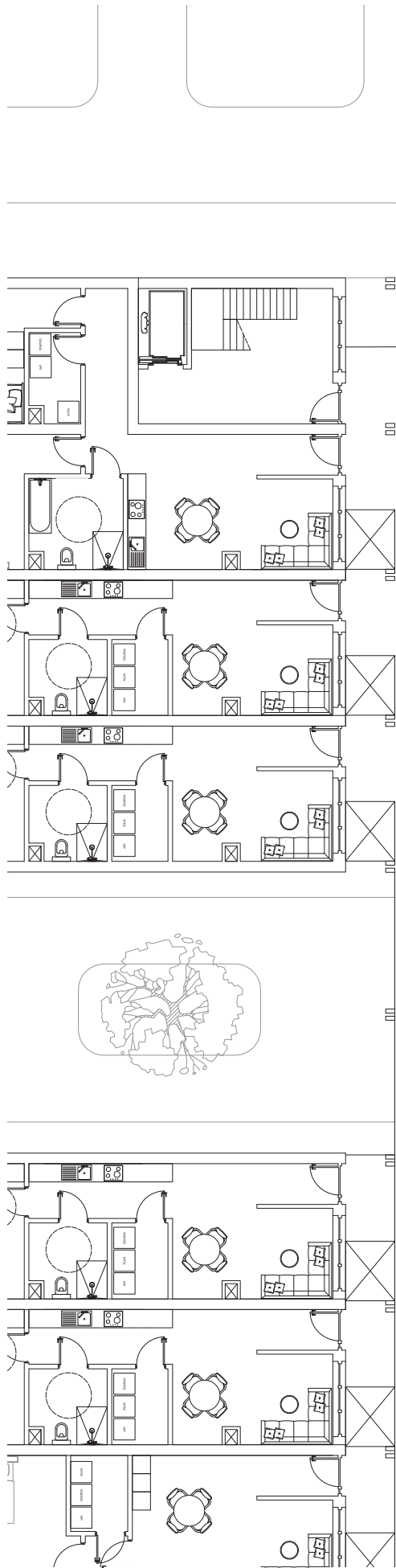




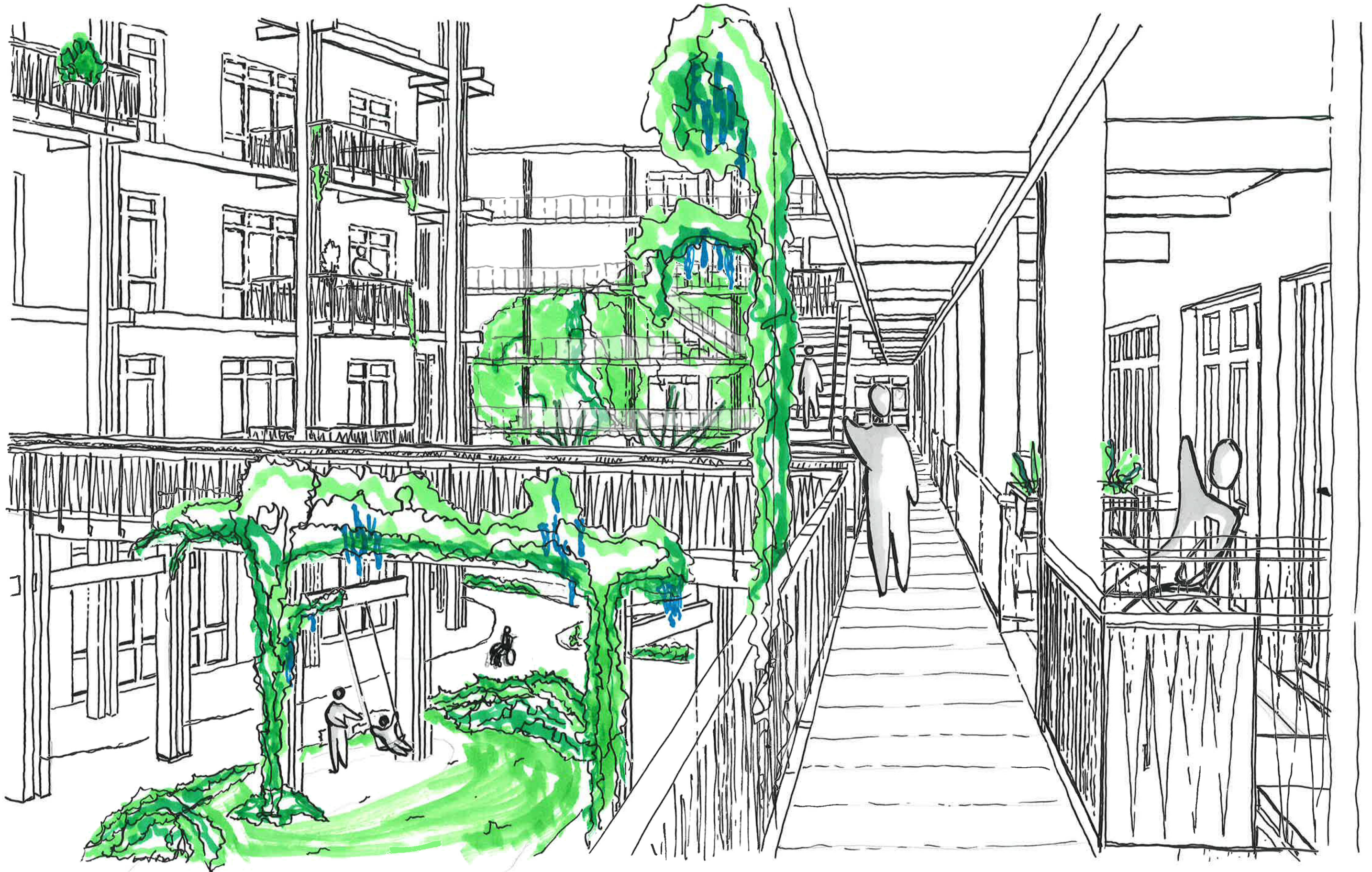




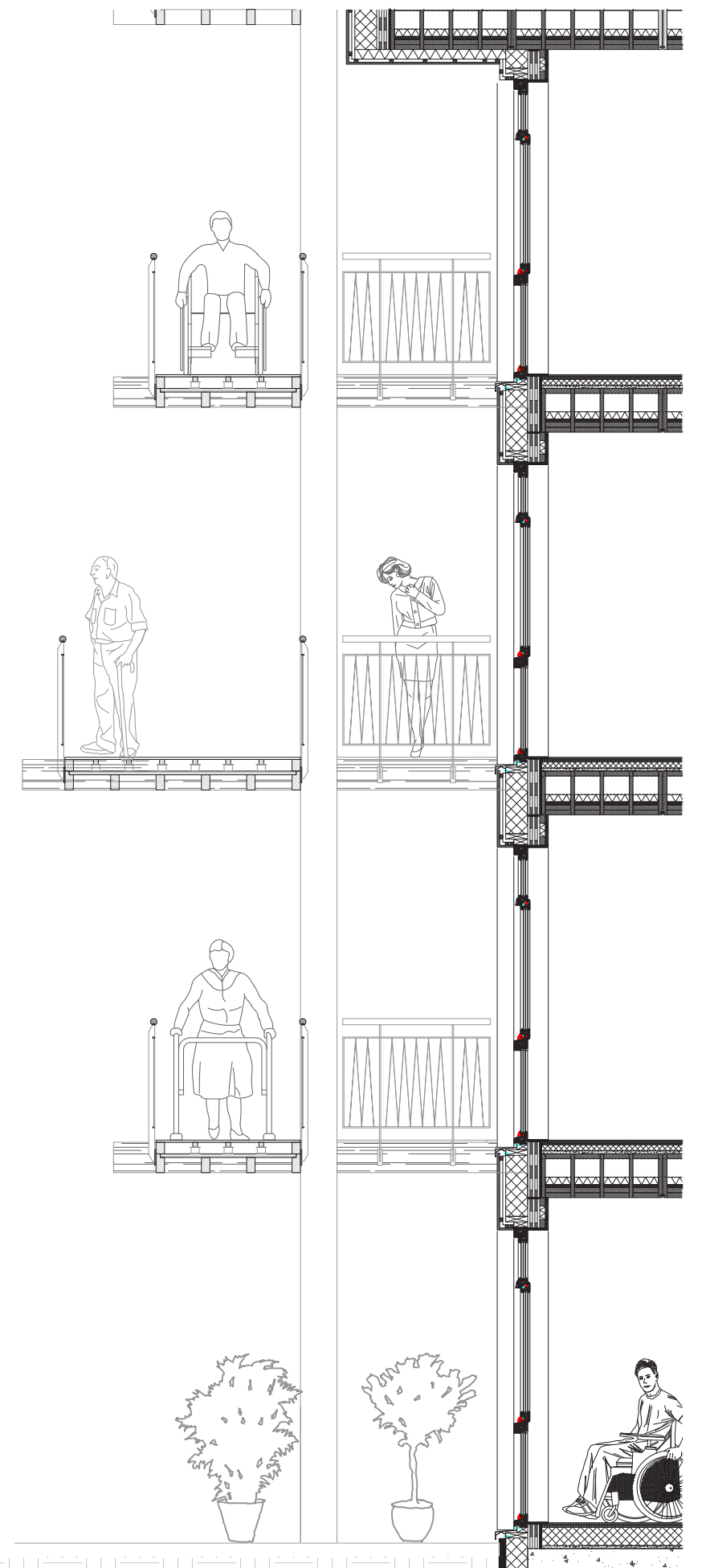


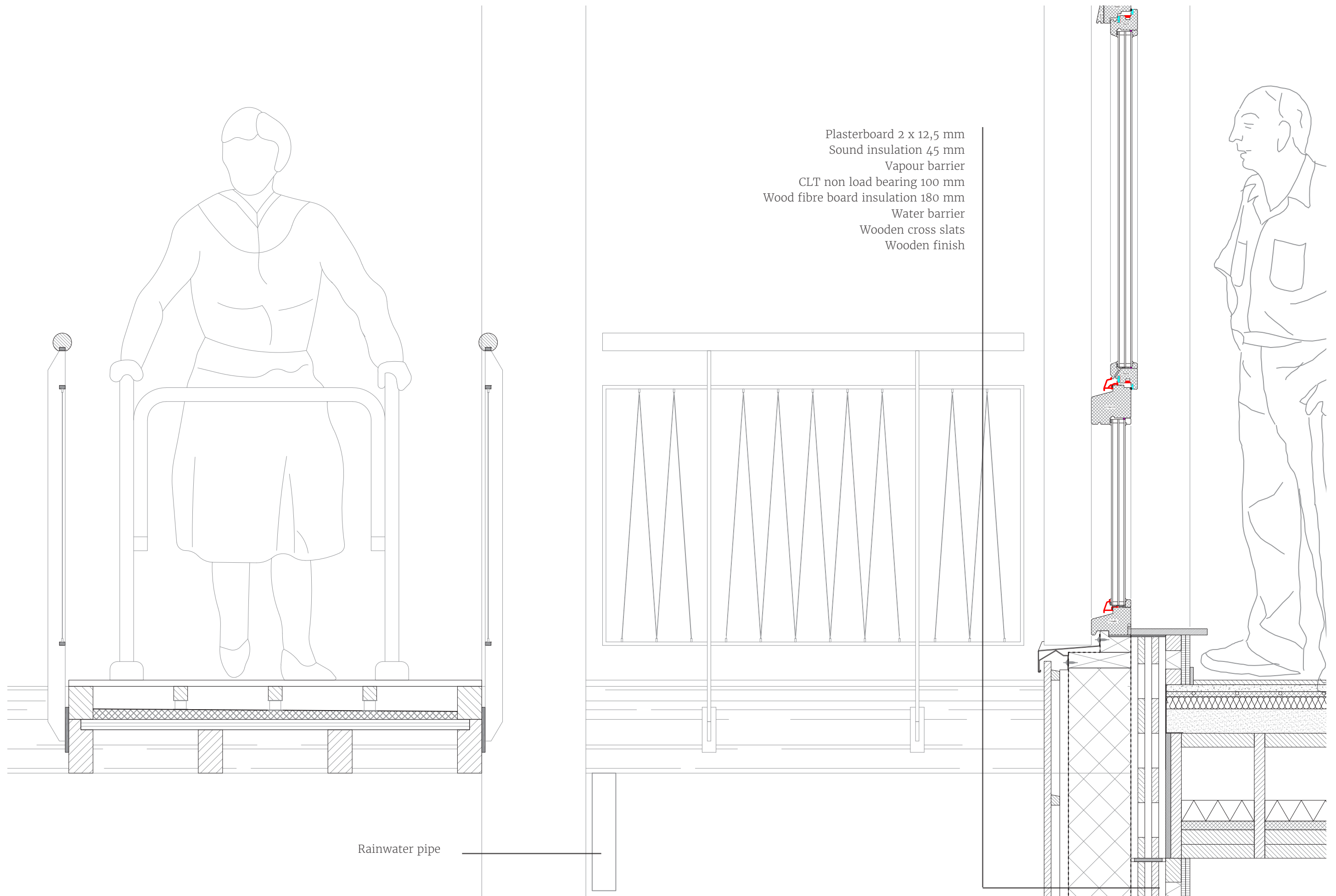




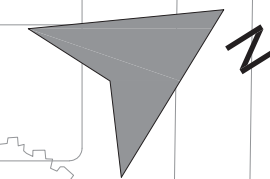
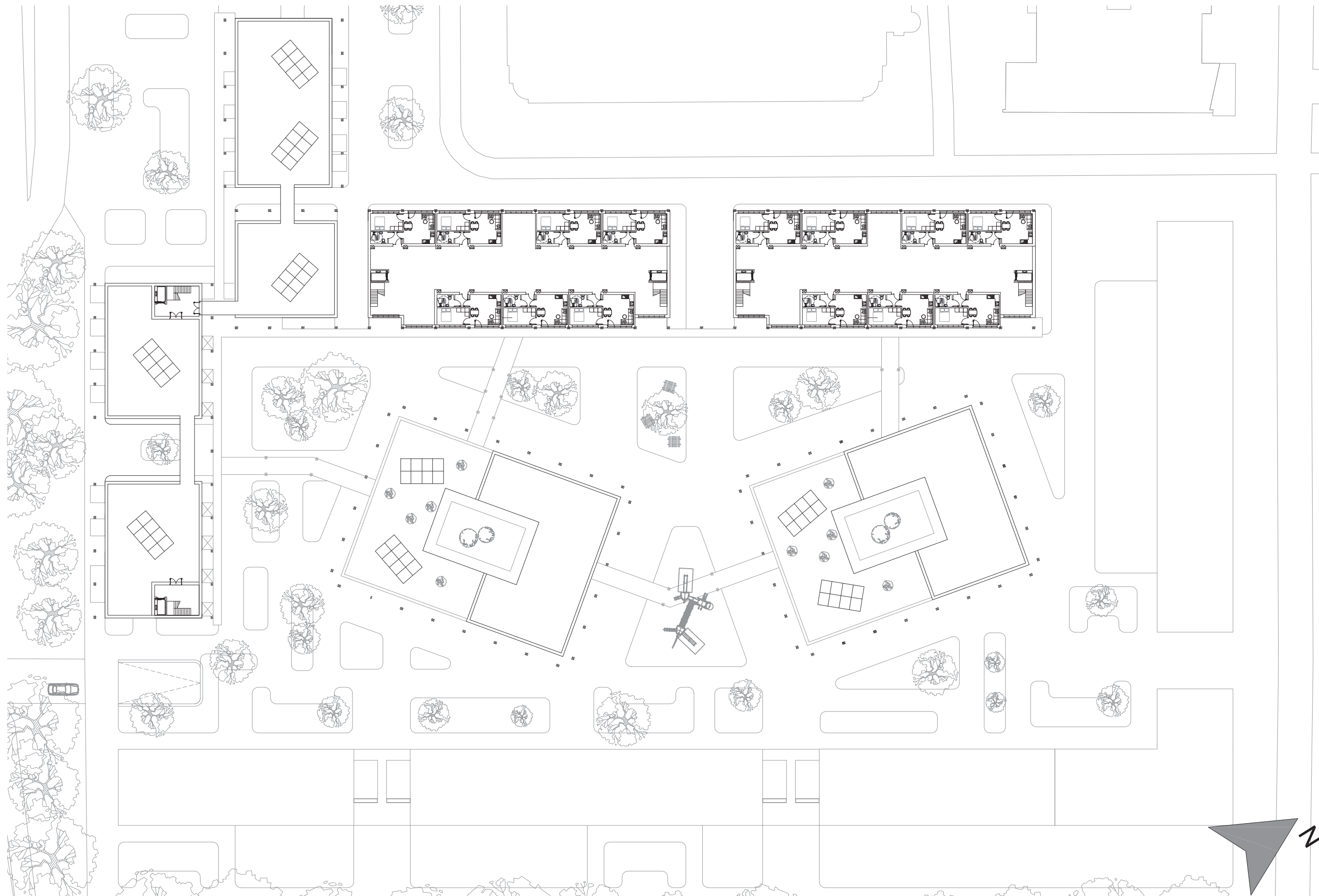




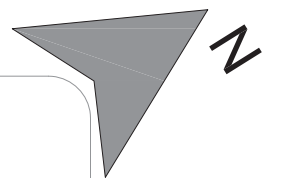
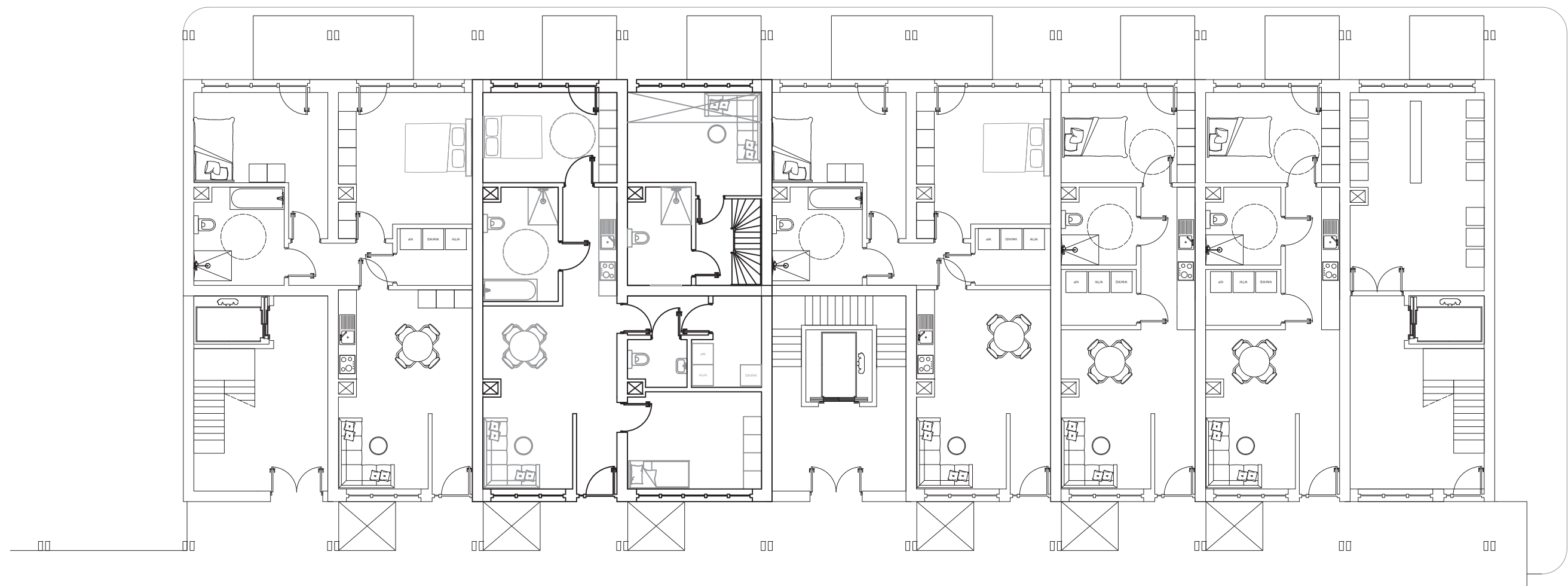






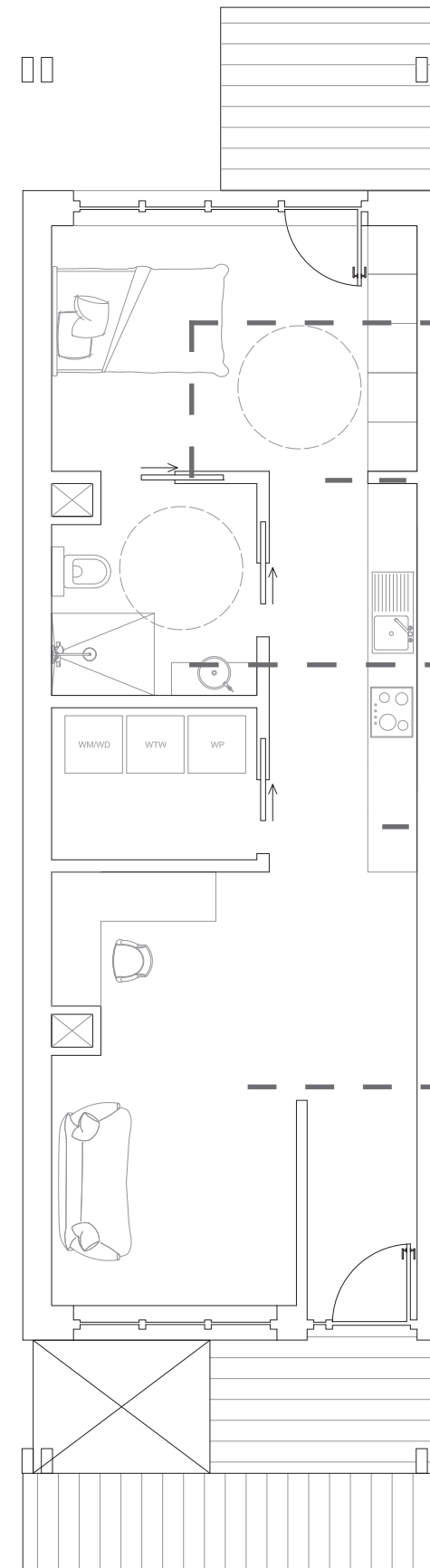
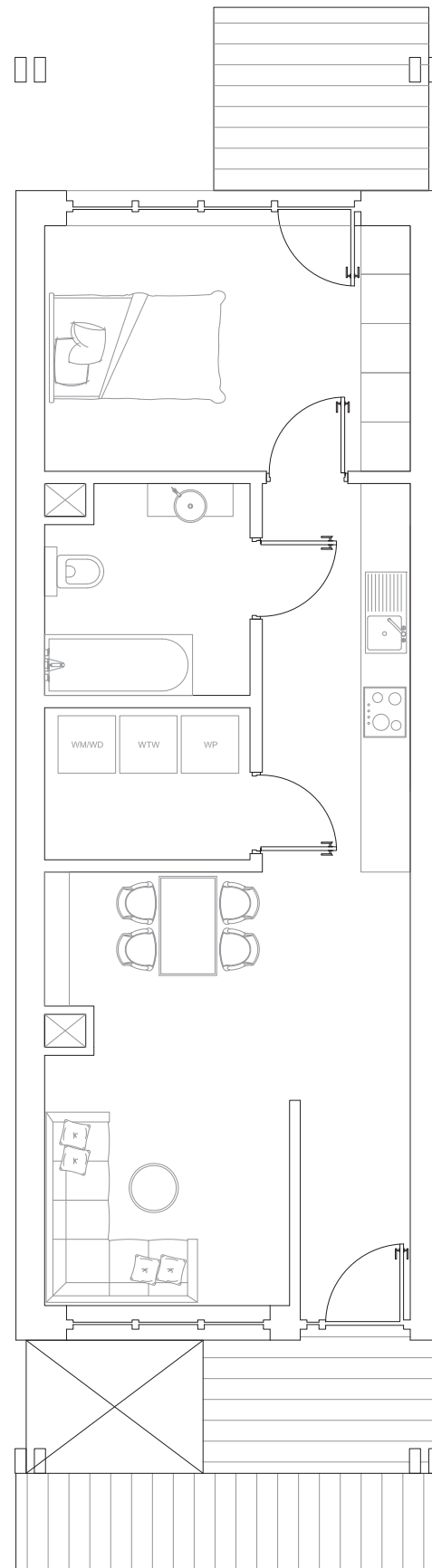








2 room appartement  
(59 m2)  
1 to 2 person



Sliding doors

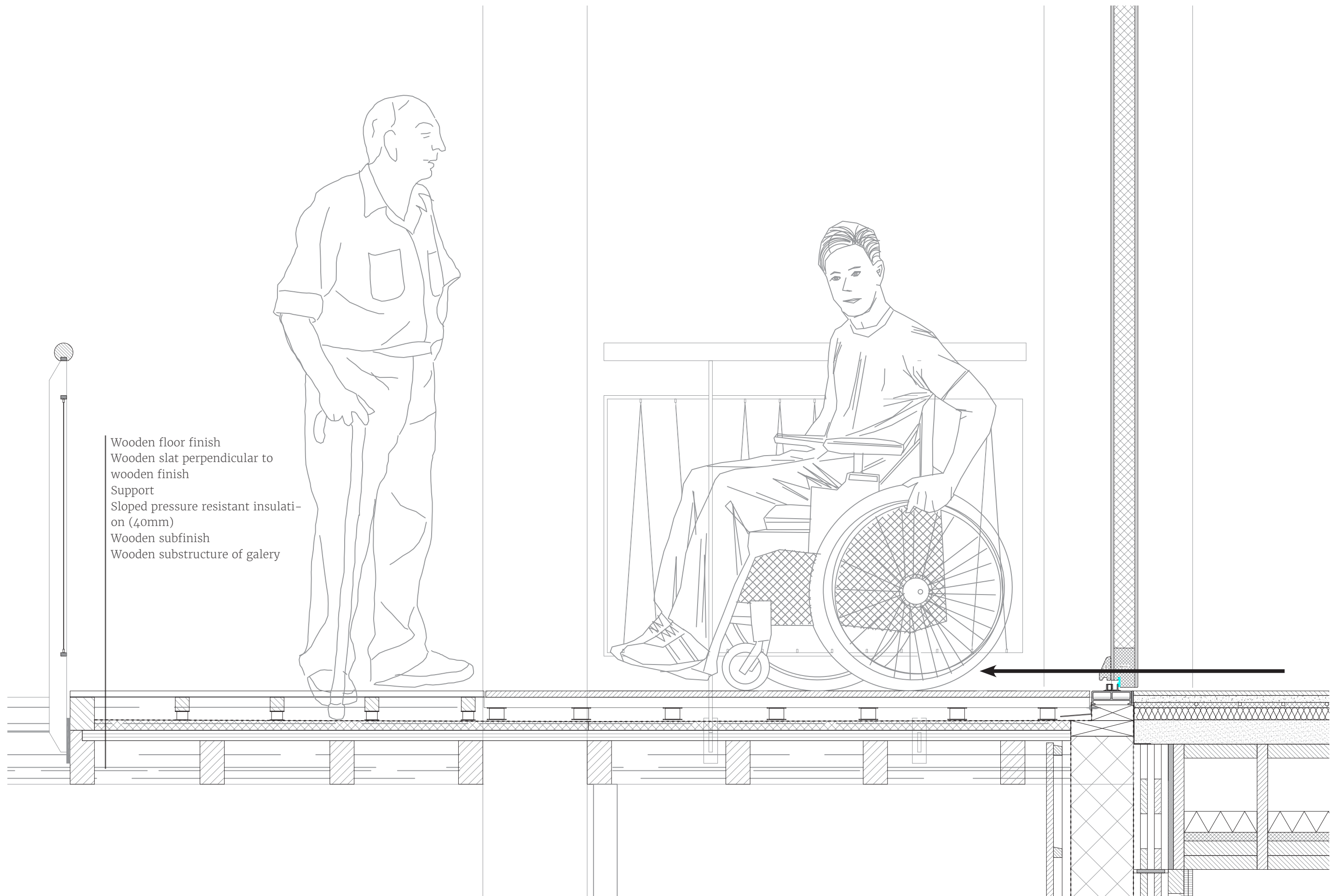
Open entry

Wheelchair  
accessible

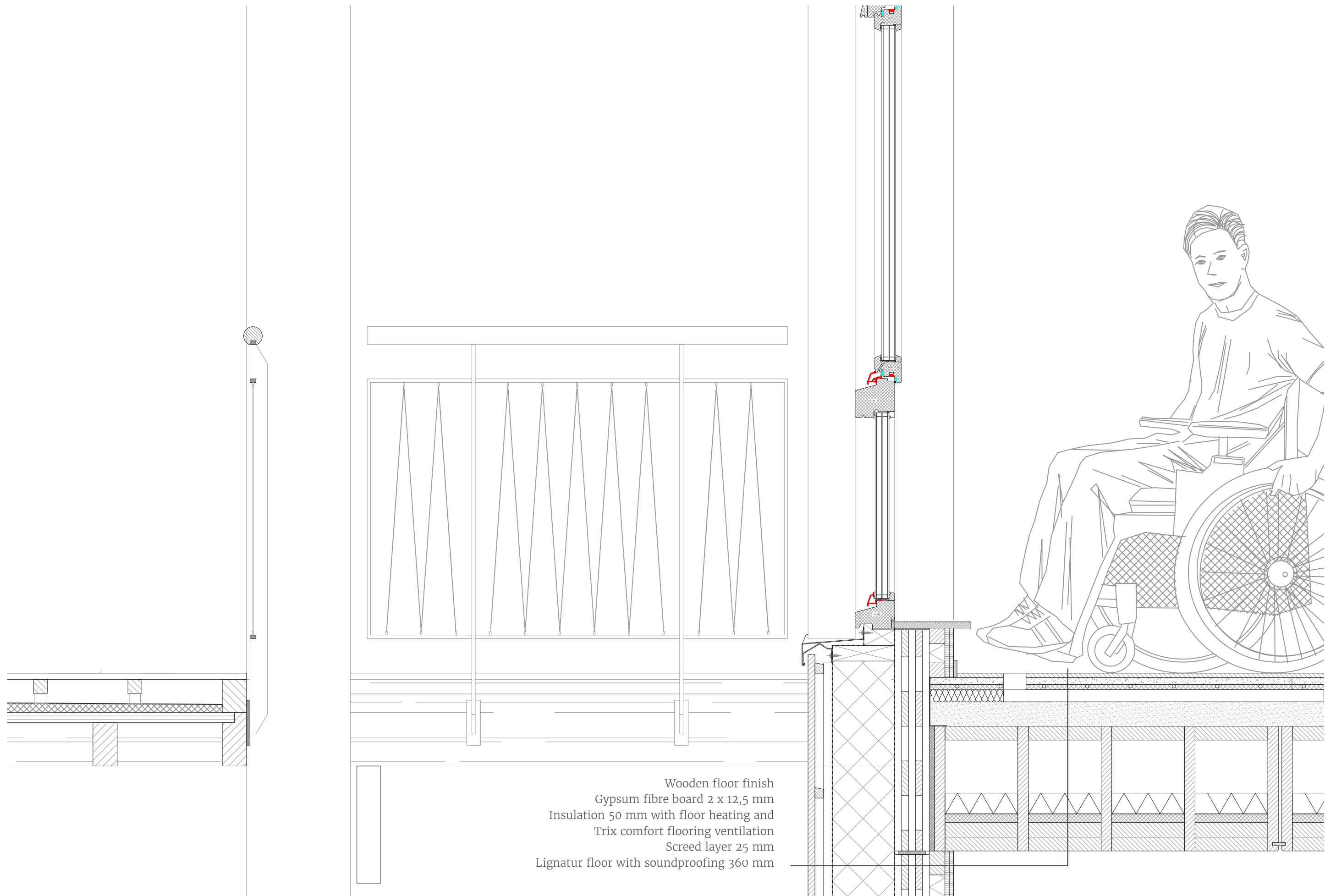
Wheelchair  
proof  
kitchen

Spacious living  
room

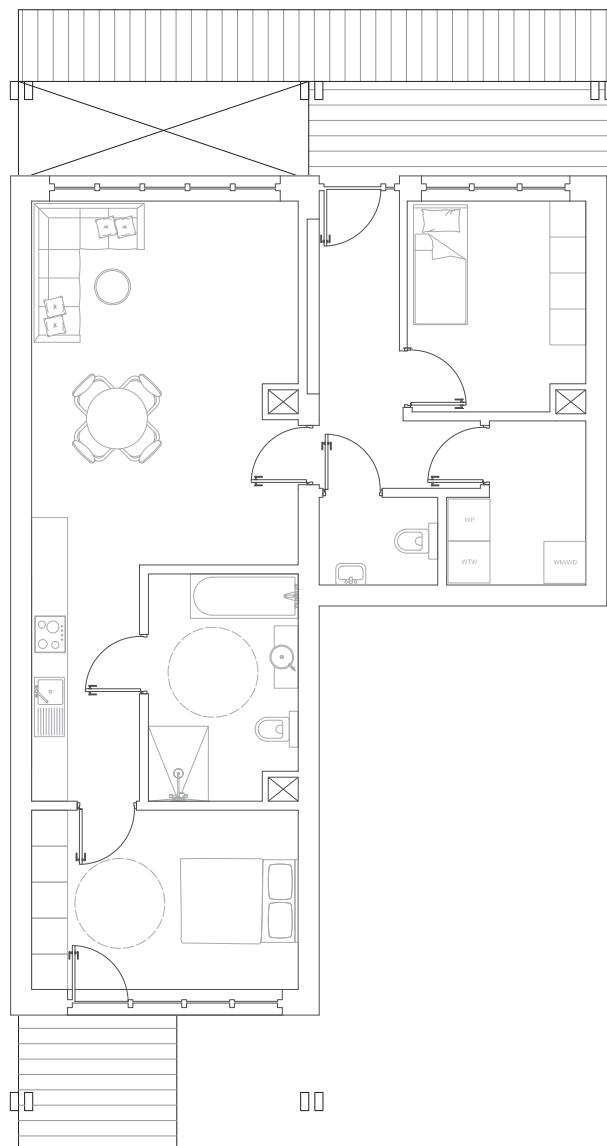






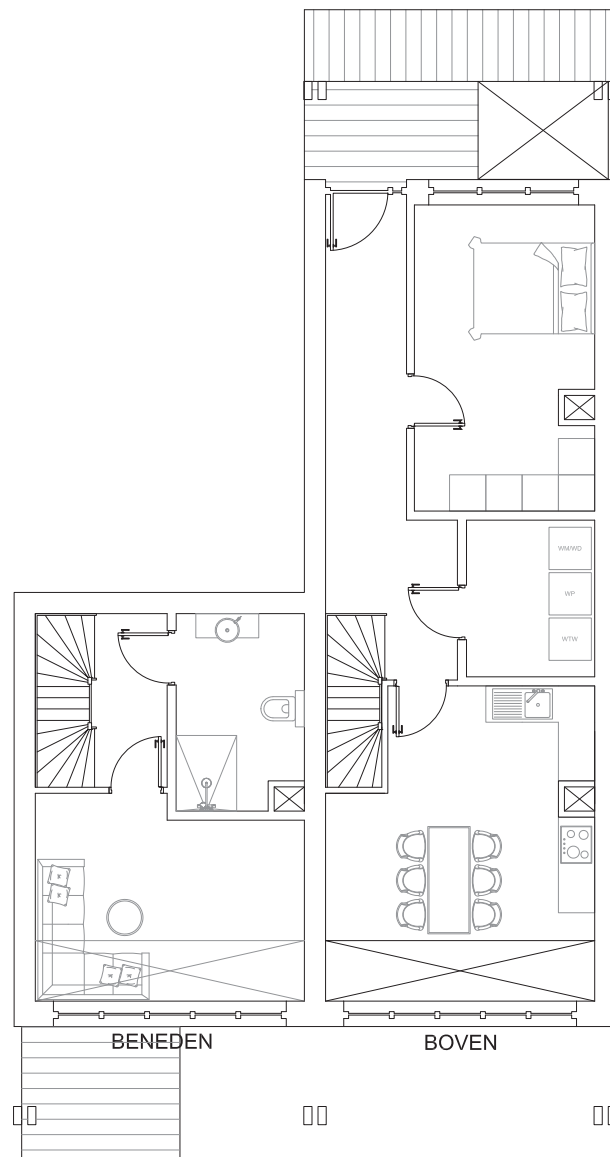






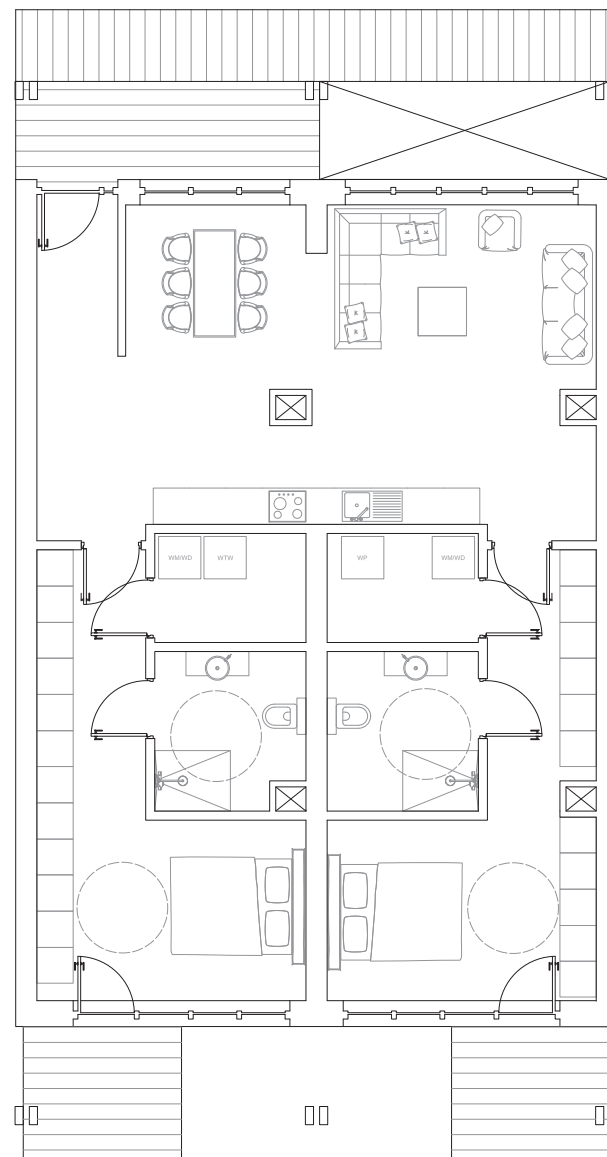
L-shaped

(elderly) Couple  
(90 m2)



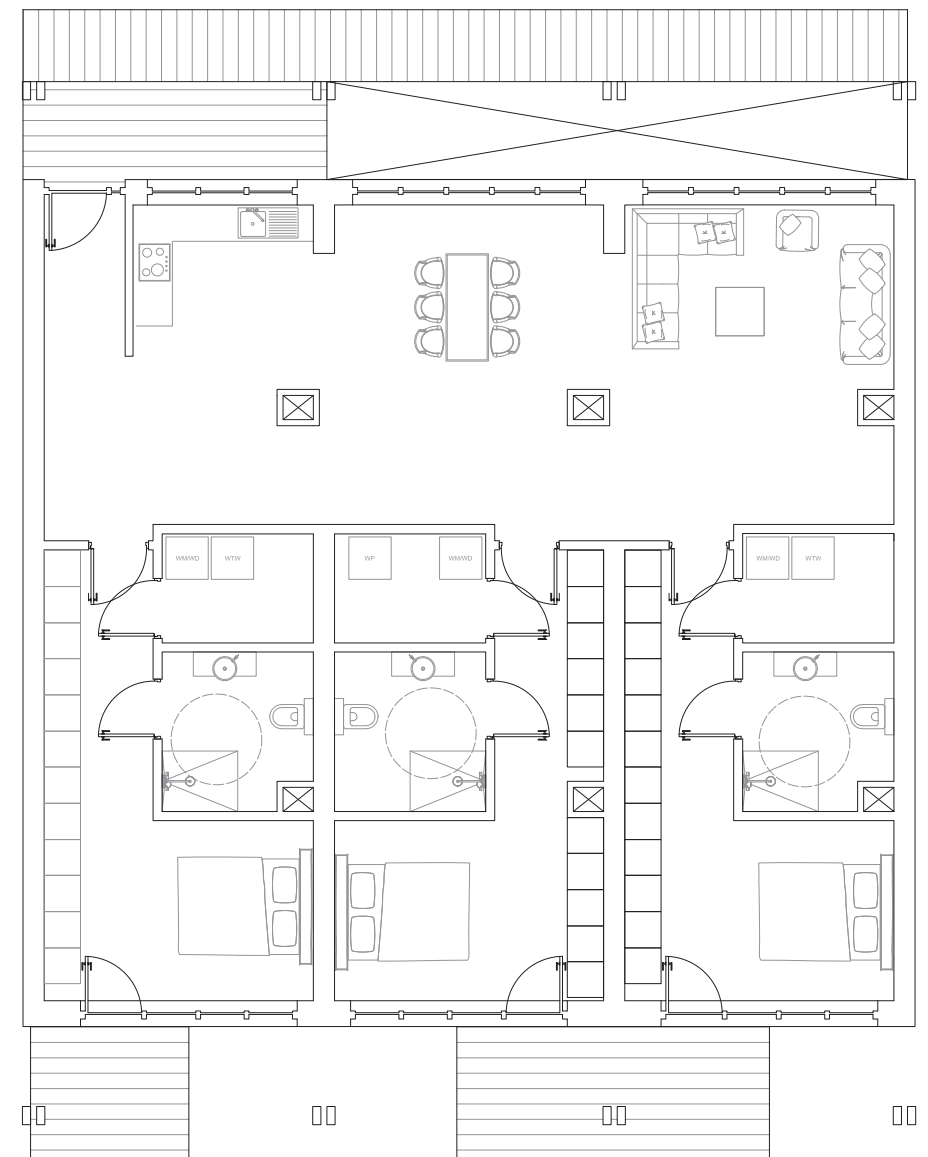
Maisonnette

Starter apartment  
(83 m2)



Kangaroo  
apartment

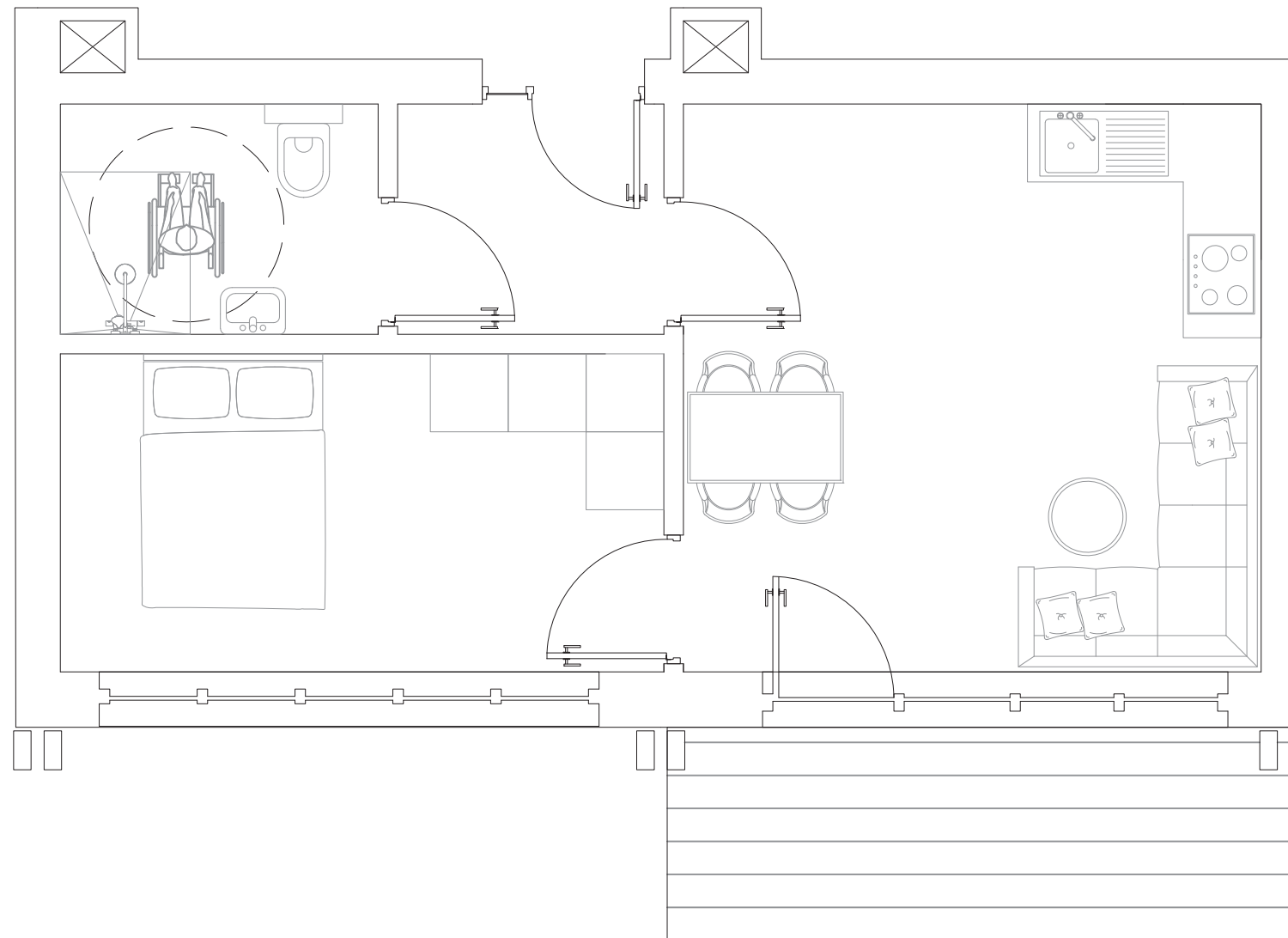
2 generations



Coliving

3 couples  
(186 m2)





Atrium

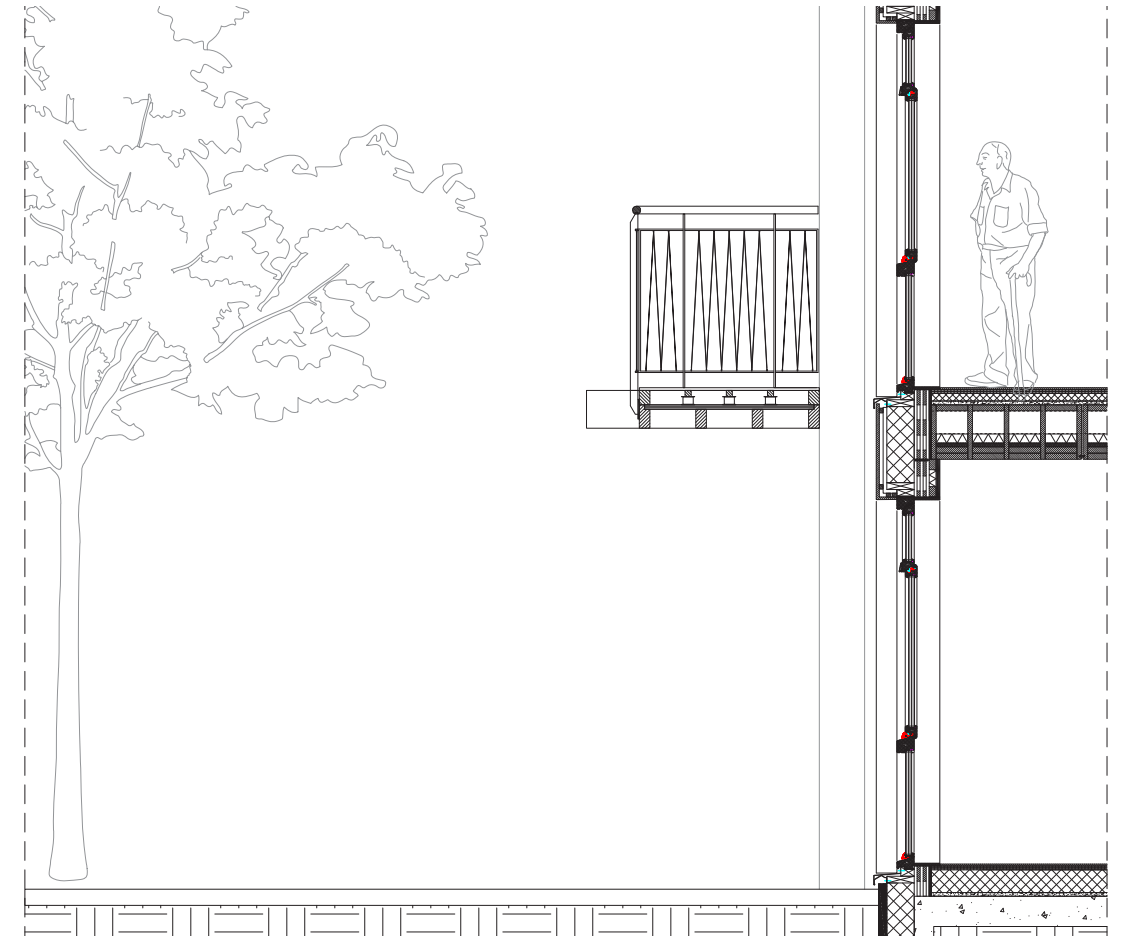
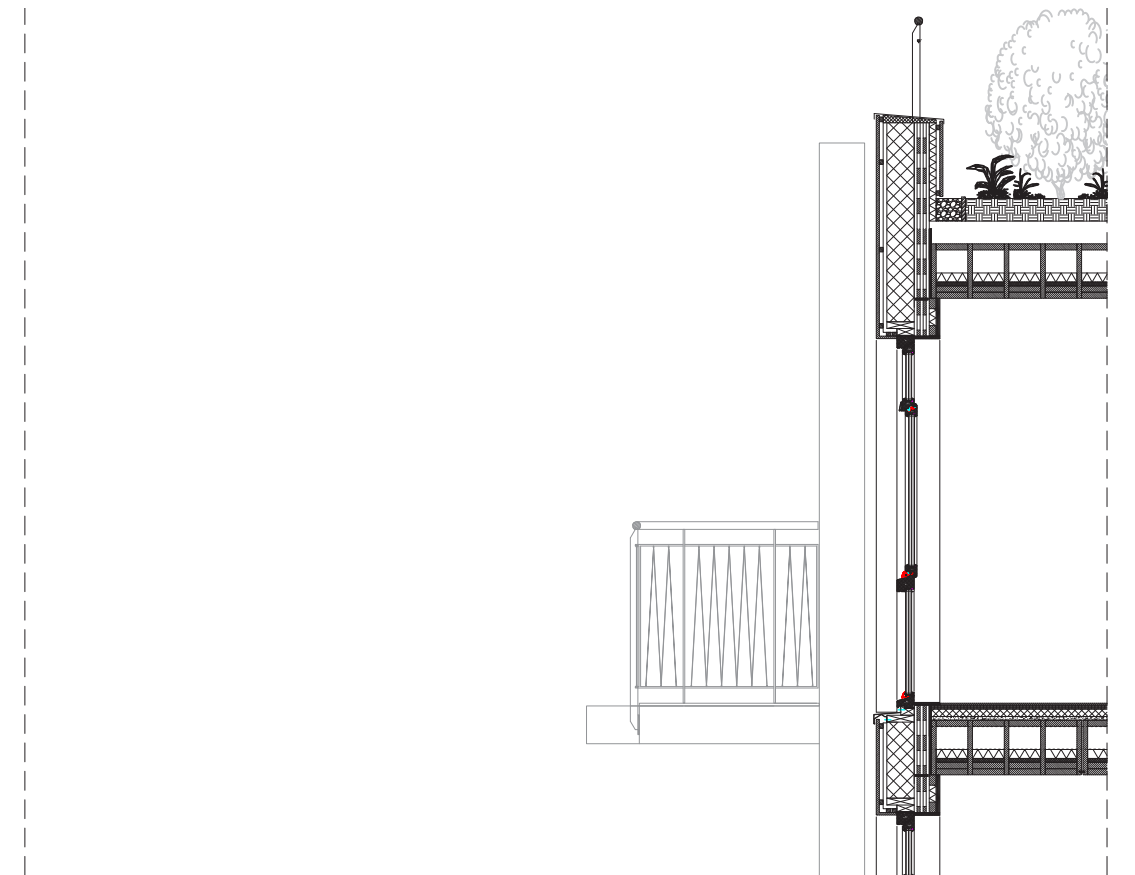
1 couple  
(40 m2)





(Elderly) couple  
(with kid)  
(93 m2)

## Garden block dwelling types



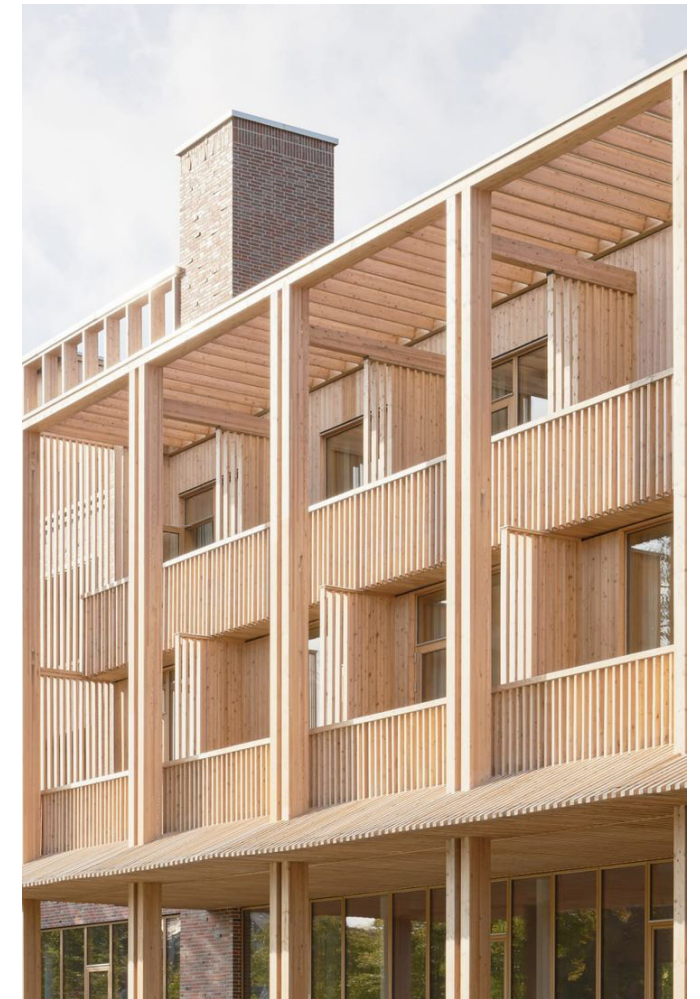




Lignatur floor elements



CLT load bearing walls



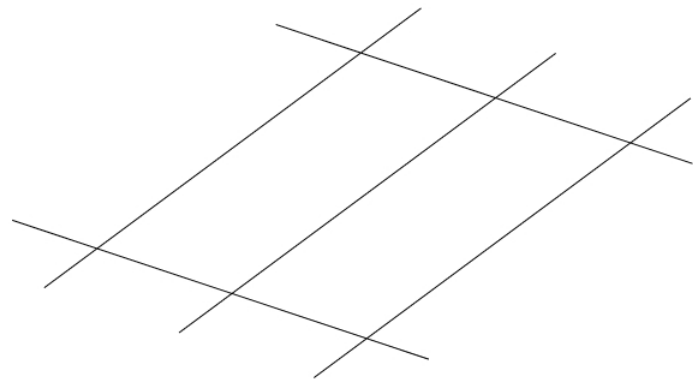
Wooden structure for gallery



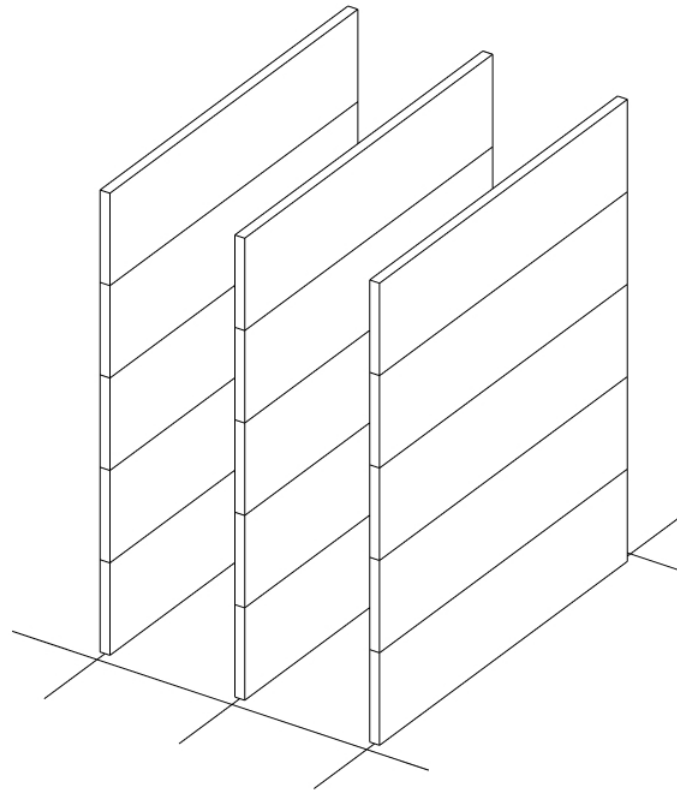
Prefab facade elements



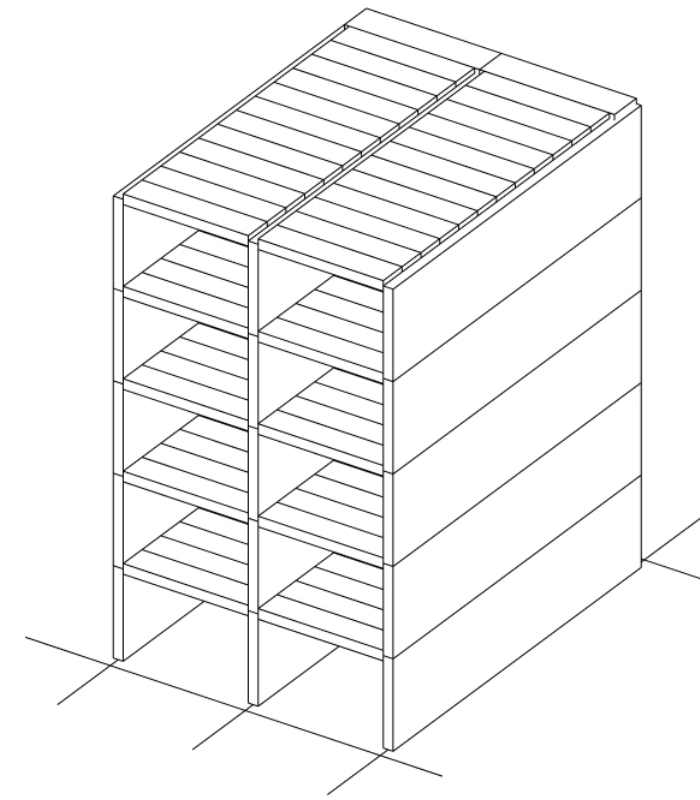
Wooden planks for facade and gallery floors



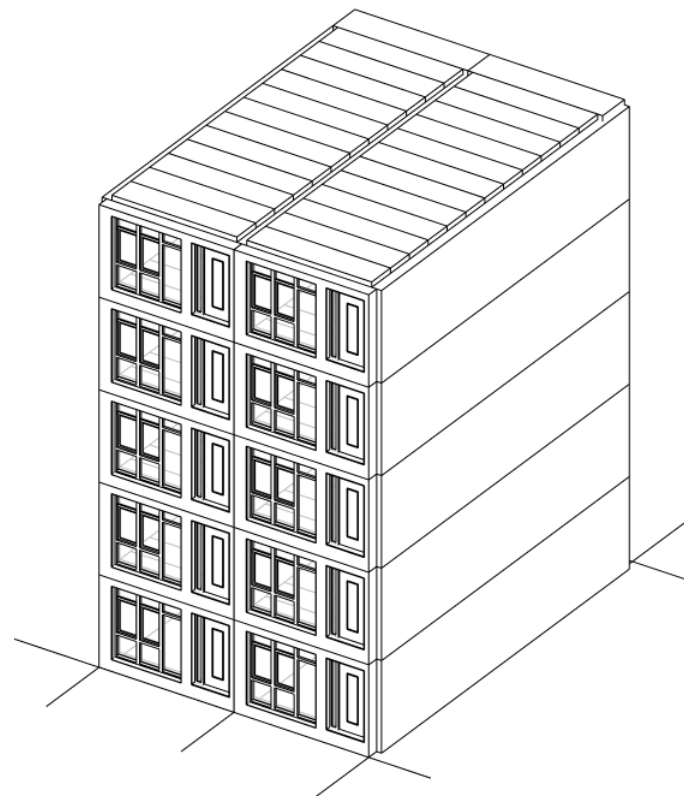
Construction grid



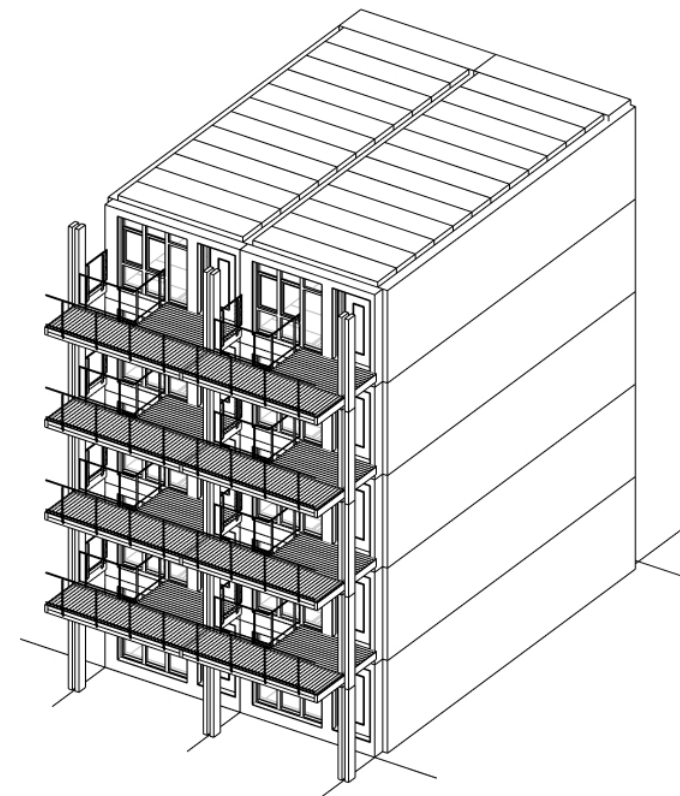
CLT walls



Lignatur flooring



Facade non load  
bearing



Wooden gallery  
elements

## Construction principle





