



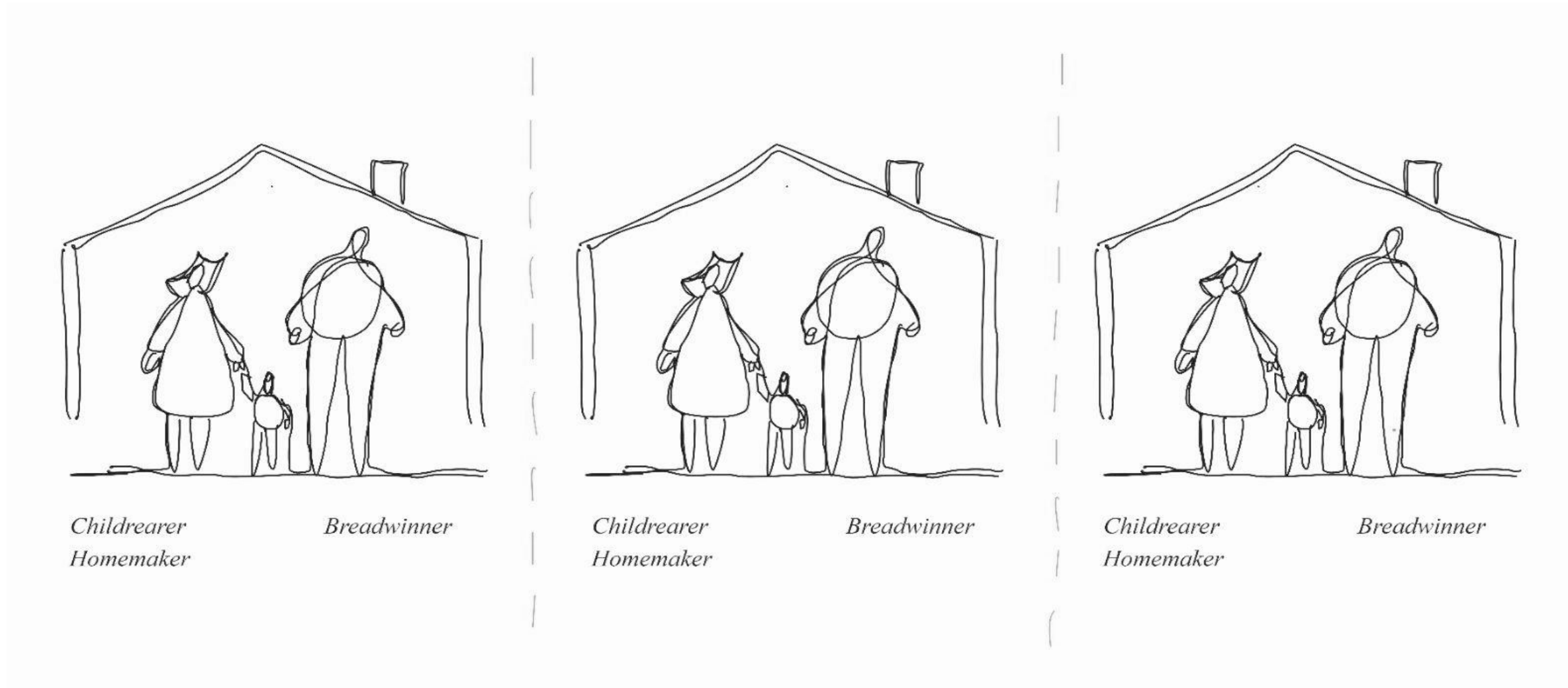
A mother's plan

*Housing for in(ter)dependent
mothers*

*Resilient City Studio
Elisa Heath
2023/2024*

The mother

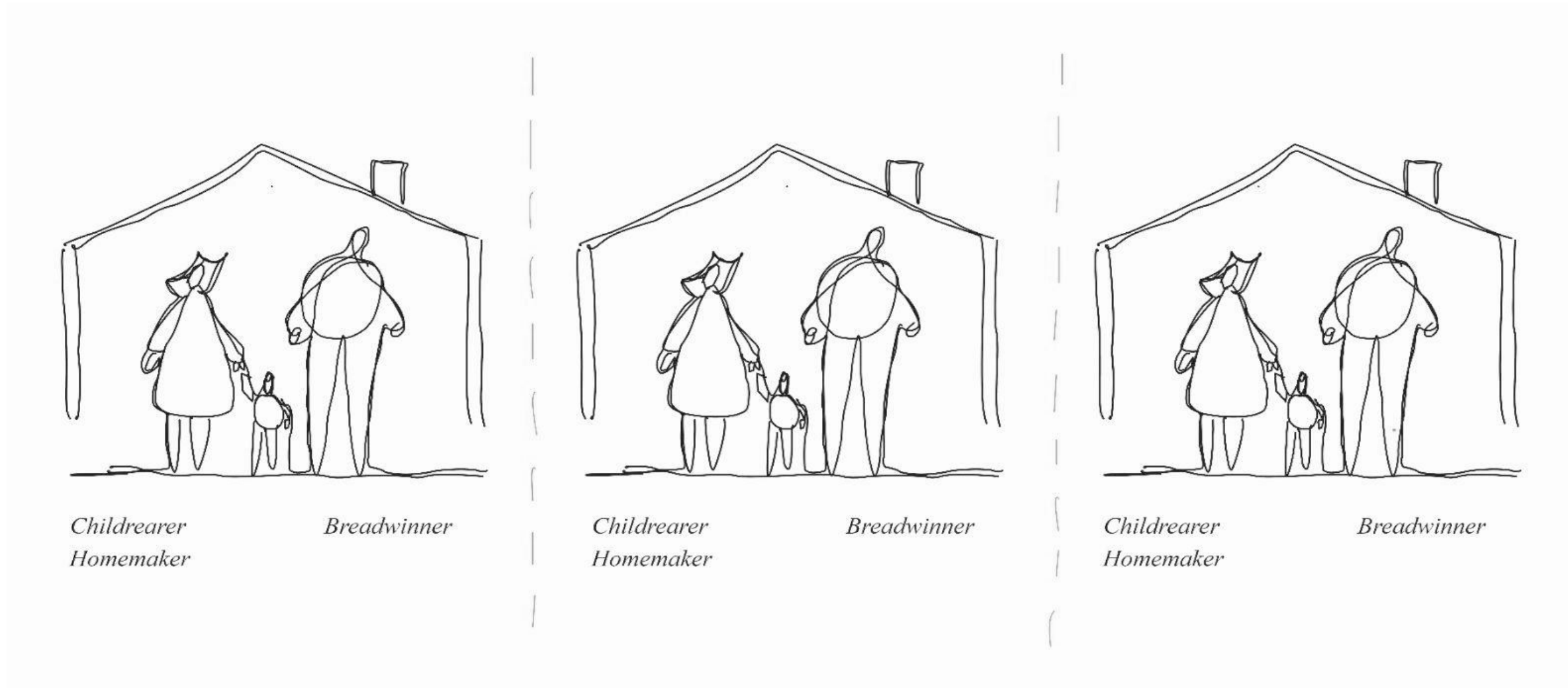
At odds with the status quo



Our society is built for the nuclear family

The mother

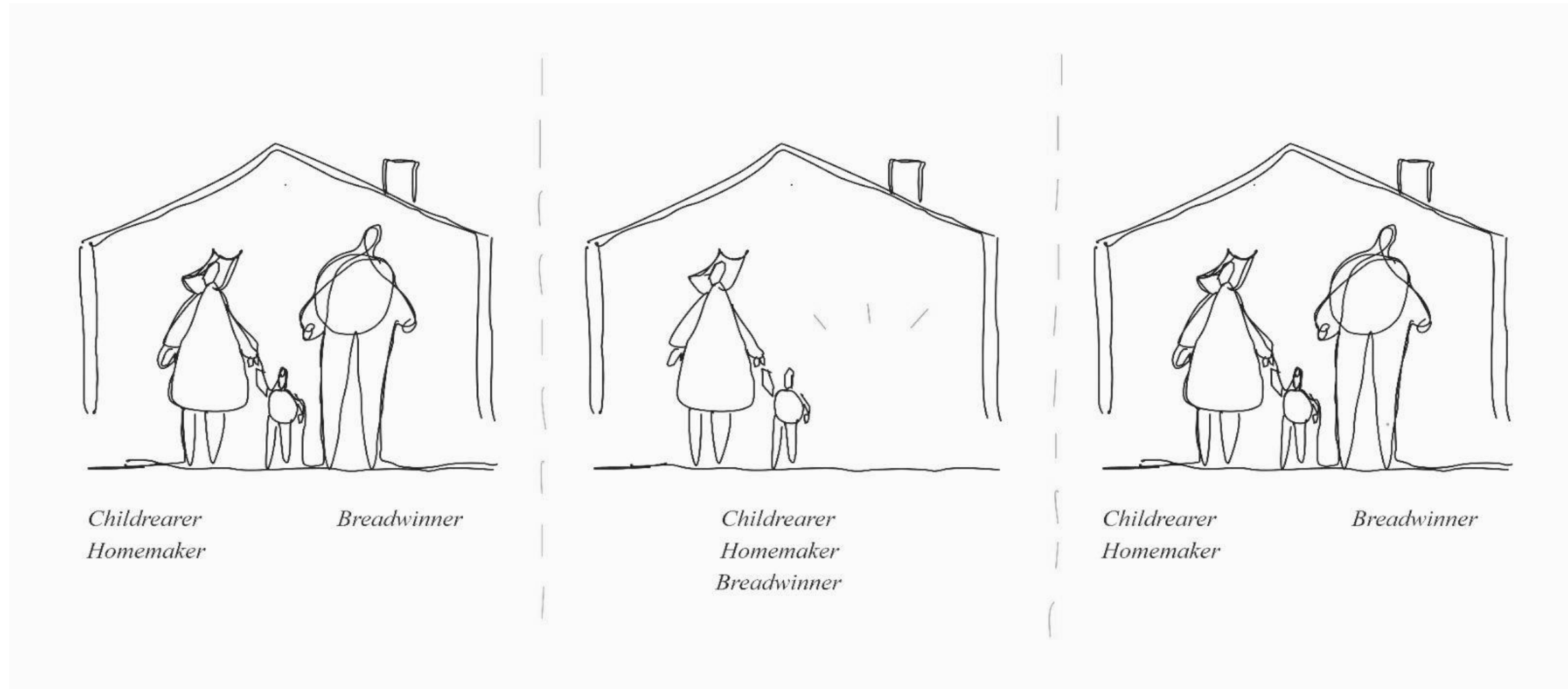
At odds with the status quo



When a family breaks up,

The mother

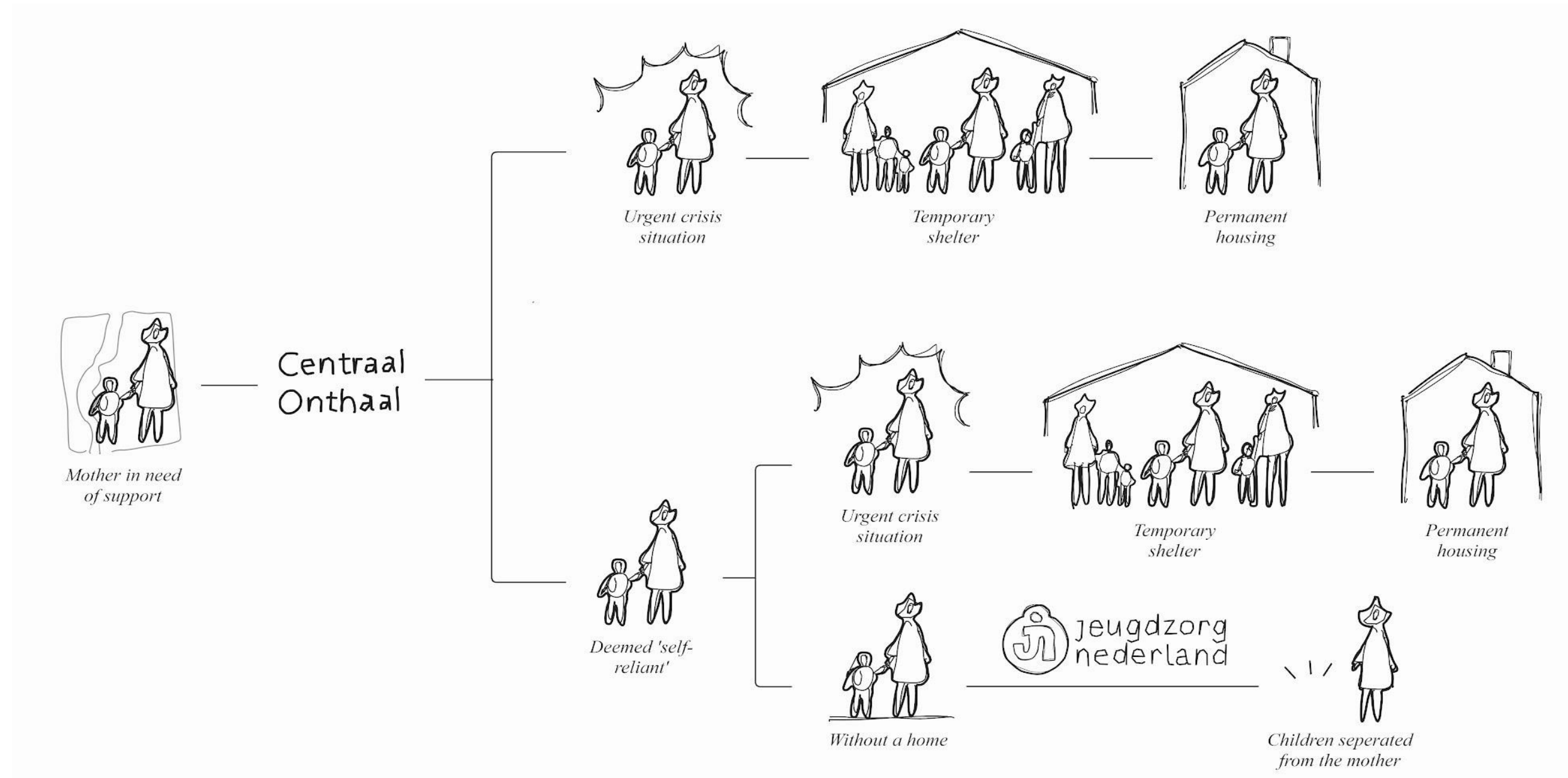
At odds with the status quo



the mother is often left to take on all responsibilities of the household by herself

The mother

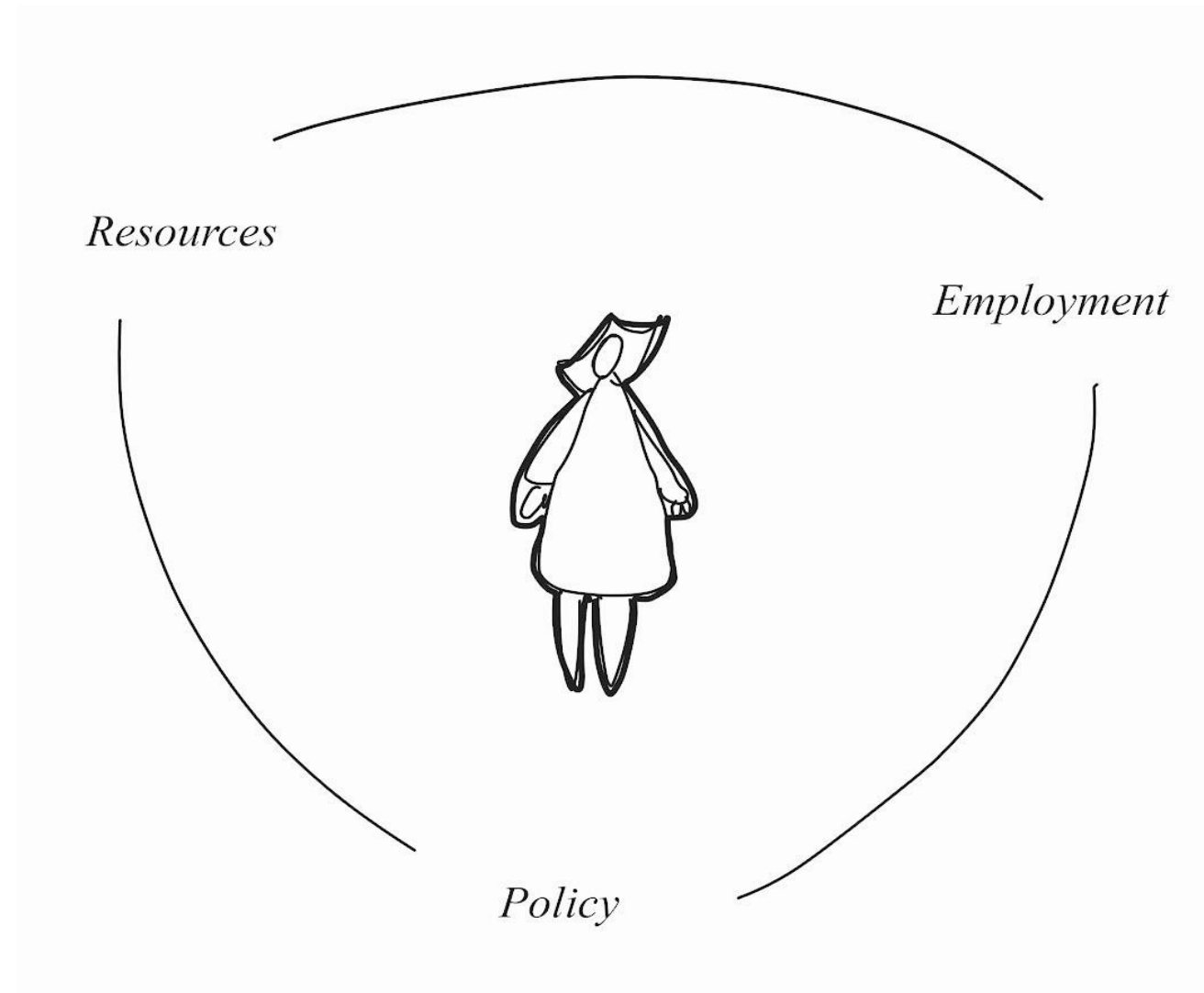
At odds with the status quo



Assistance is mainly temporary, if even available

The mother

At odds with the status quo



As a result, many find themselves in a triple bind

The mother

At odds with the status quo

Mogen alleenstaande moeders ook wonen?

[Opinie](#) • 30-04-2019 • leestijd 3 minuten • 1222 keer bekeken • [bewaren](#)

[overnemen](#) / [reageren](#)

Gemeente hoeft alleenstaande moeders niet op te vangen

Volgens de Wmo moeten gemeenten onderdak en begeleiding bieden aan personen die de thuissituatie verloren hebben en niet in staat zijn zich op eigen kracht te handhaven in de samenleving. Dat eerste was wel het geval, maar het tweede niet, oordeelde de rechtbank. Het niet vinden van onderdak heeft volgens de rechtbank te maken met schaarste op de woningmarkt in de regio waar de vrouwen willen wonen, en de Wmo is niet bedoeld om daar een oplossing voor te bieden.

↳ Adriaan de Jonge | 14 november 2019

Alleenstaande vrouwen en anderstaligen eerst: Rotterdam gebruikte discriminerend algoritme om bijstandsfraude op te sporen

[Actueel](#) • 06-03-2023 • leestijd 2 minuten • 2394 keer bekeken • [bewaren](#)

EVA ZET ZICH IN VOOR ALLEENSTAANDE OUDERS: 'EENZAAMSTE GROEP VAN NEDERLAND'

22.02.2023 | 07:00 UUR | MAAIKE KOOIJMAN

Single moeder tackelt misvatting: ‘Alleenstaande ouders hebben geen pauze. Nooit’

23.11.2023 12:44

A mother’s needs

from explorative research

Personal	Space for refuge	private unit with all amenities
	Autonomy	transition between collective and private
	Empowering in self-image	non-insitutional atmosphere
Social & Financial	Social support sytem	sharing all childrearing work
	Relief from child-rearing	sight lines between mother and child
	Efficient time management	day care in early years
	Cutting costs	
		Urban scale
Societal	Ending stigmatization and stereotype	Safe, diverse neighbourhood Not in the outskirts of the city Human scale architecture

Research			
Case study	't Bergse Huys	Hubertushuis	Fiona House
Collective spaces	<div><div>KIT</div><div>BA</div><div>LR</div><div>LDRY</div><div>PA</div></div>	<div><div>KIT</div><div>BA</div><div>LR</div><div>LDRY</div><div>PA</div><div>GR</div><div>RR</div></div>	<div><div>PA</div></div>
Sight lines mother and child	LI → PA	all → CY	KIT → PA
# entryways to private unit	2	2	1
Does one omit the collective spaces	no	yes	-
Unit size	14-20 sq m	- sq m	34-45 sq m
# of units	18	16	12
Activities in private room	<div><div>S</div><div>LO</div><div>PL</div></div>	<div><div>W</div><div>S</div><div>LO</div><div>PL</div></div>	<div><div>E</div><div>W</div><div>S</div><div>C</div><div>LO</div></div>
Activites done collectively/shared	<div><div>E</div><div>W</div><div>PL</div><div>LO</div><div>C</div></div>	<div><div>E</div><div>W</div><div>LO</div><div>C</div></div>	<div><div>PL</div></div>
Graduality transitioning space			
On site services?	Yes	Yes	Daycare

A mother's needs

Socio-spatial needs

- 1. Autonomy**
ability to choose
- 2. Community**
social support system
- 3. Homeliness**
embedding
- 4. Empowerment**
providing self development
- 5. Efficiency**
managing time and costs

A vision



*Childrearer
Homemaker
Breadwinner*



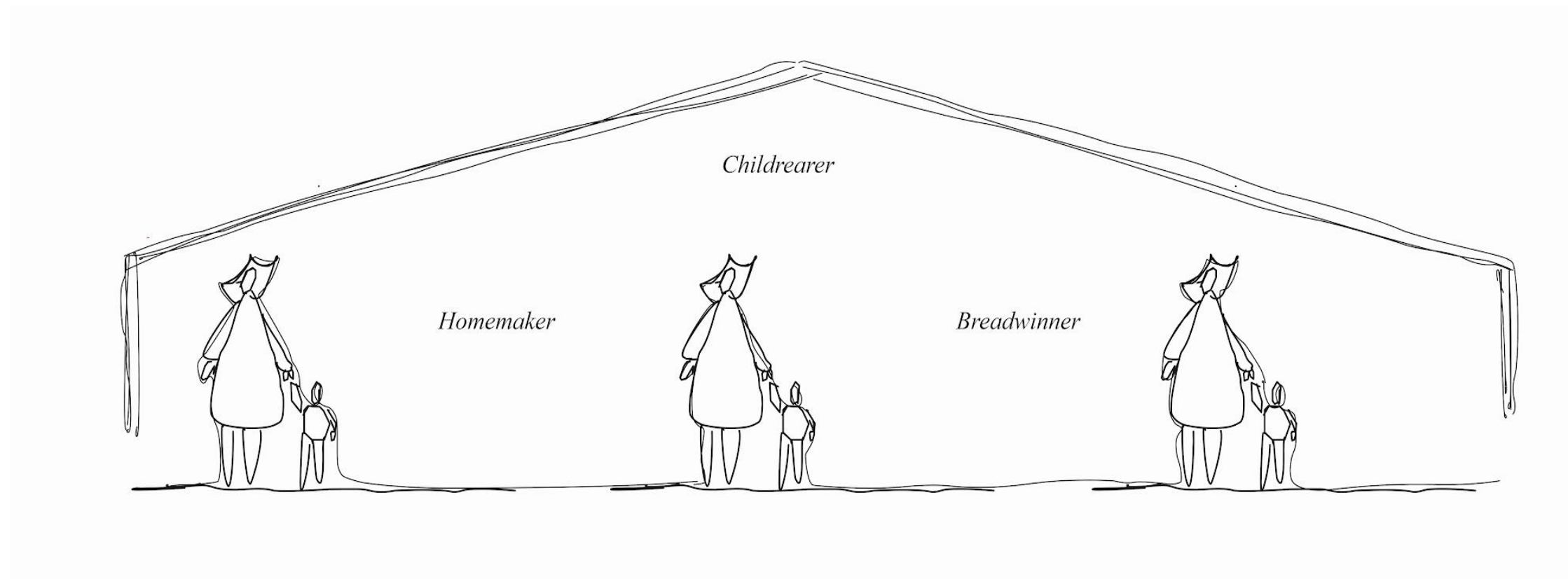
*Childrearer
Homemaker
Breadwinner*



*Childrearer
Homemaker
Breadwinner*

break with the traditional forms

A vision



establishing an alternative collective household

urban scale

Location

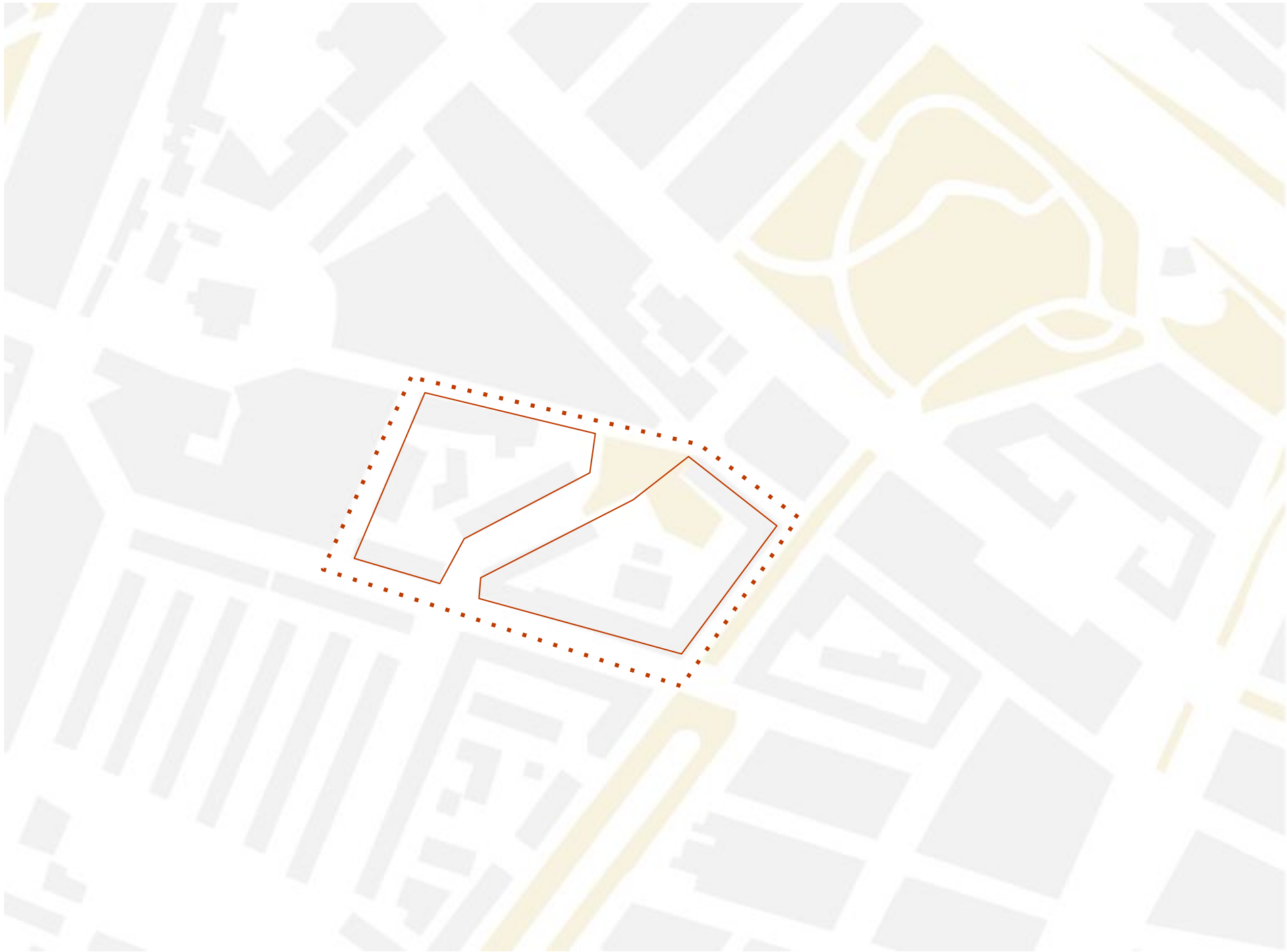
Urban block



Gouwstraat, Oud Charlois

Location

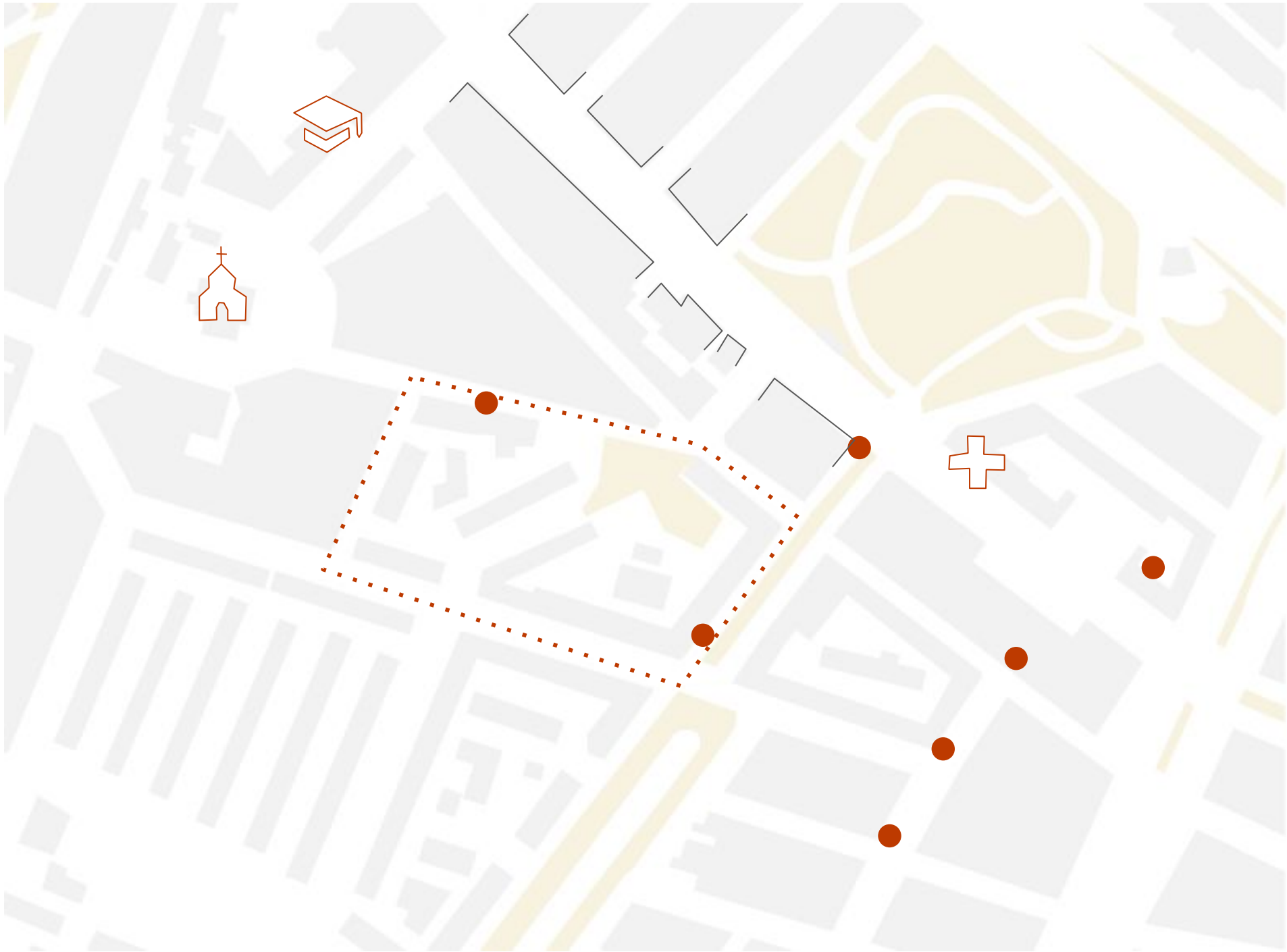
Urban block



1. embedding in its surroundings

Location

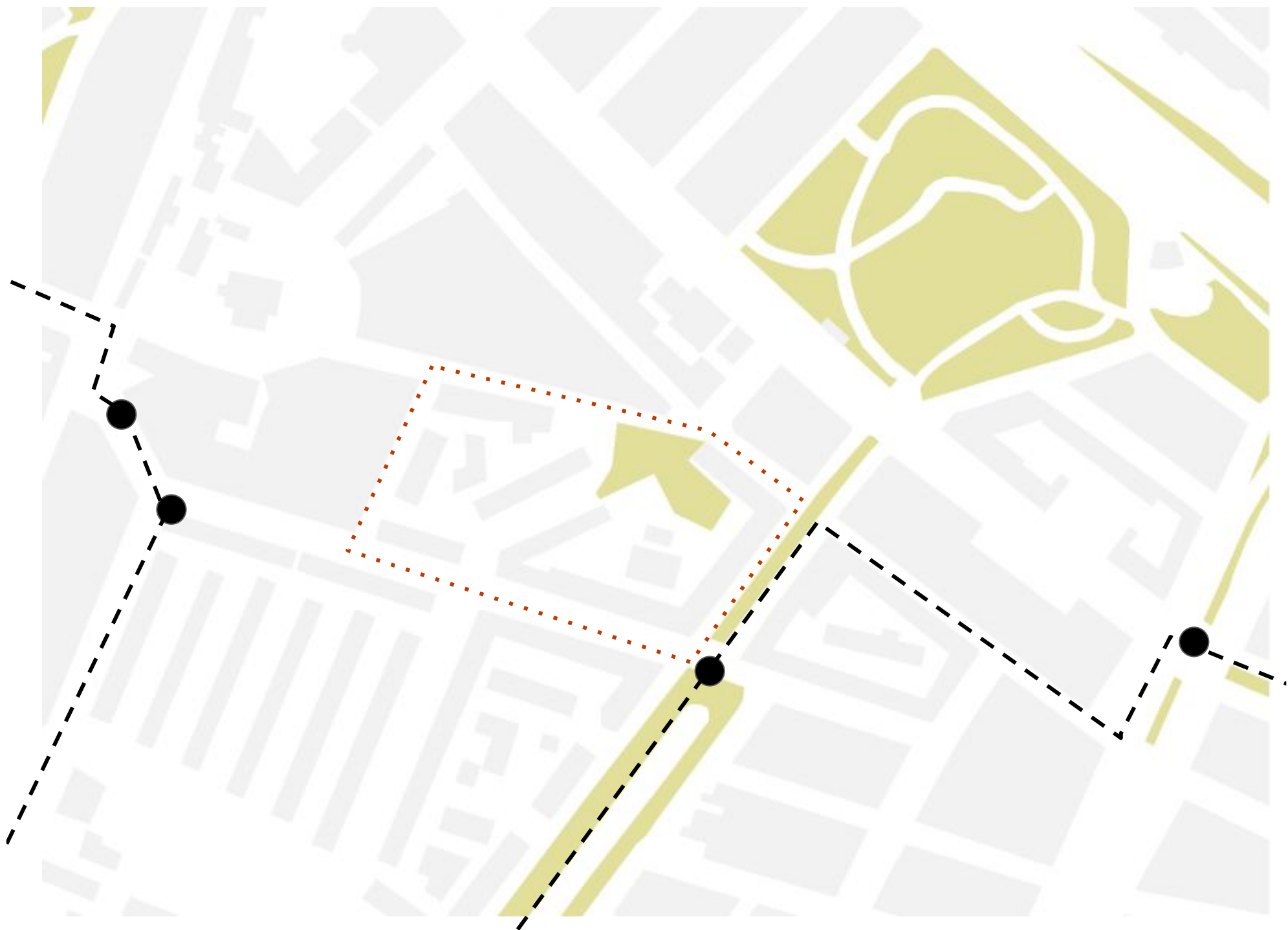
Urban block



2. all (daily) amenities are walking distance

Location

Urban block



3. proximity to public transport and (green) play spaces

Autonomy

Community

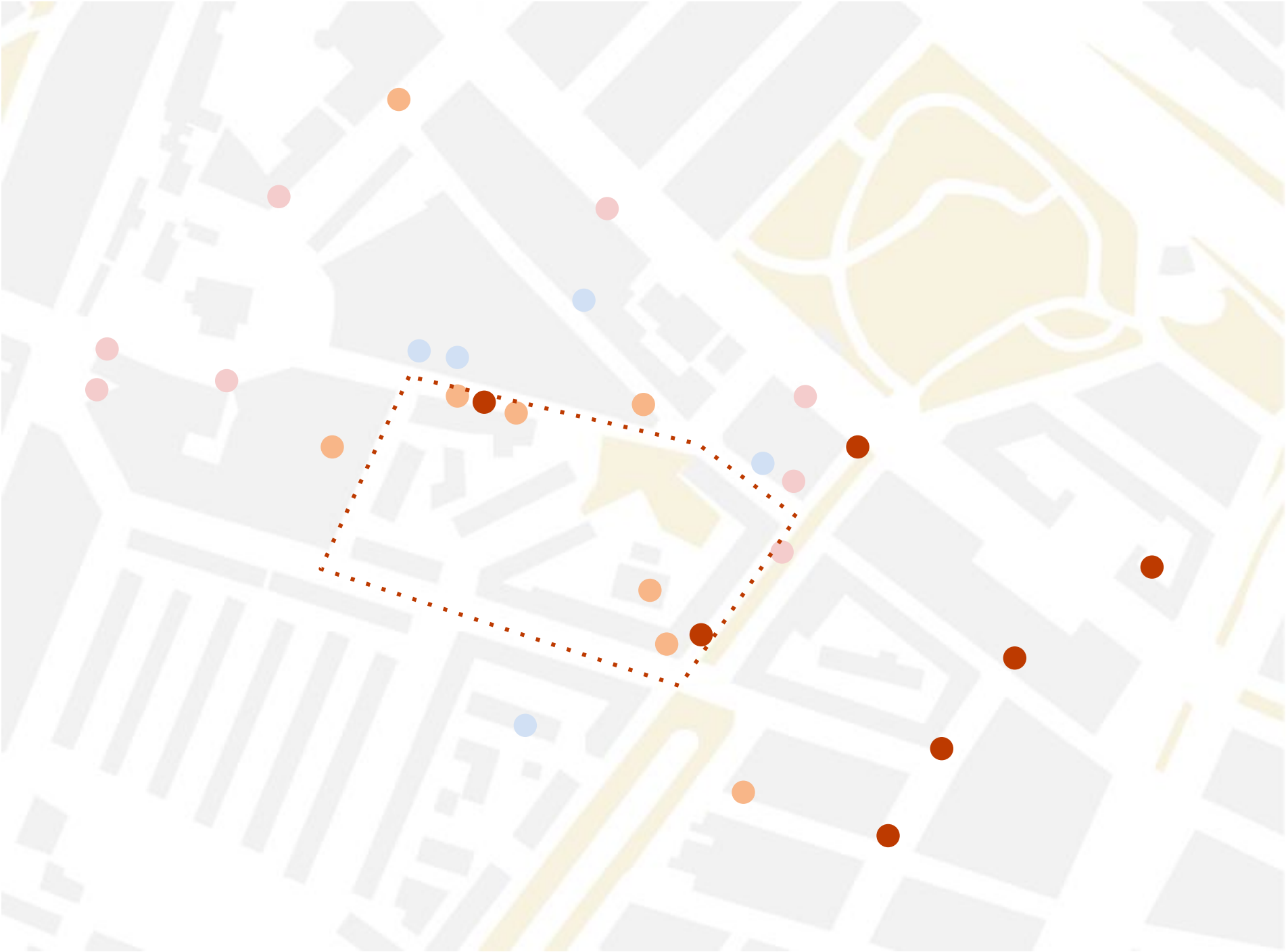
Homeliness

Empowerment

Efficiency

Location

Urban block



4. well-connected social system

Autonomy

Community

Homeliness

Empowerment

Efficiency

design principles

Design brief

Shared vs individual



Autonomy

Community

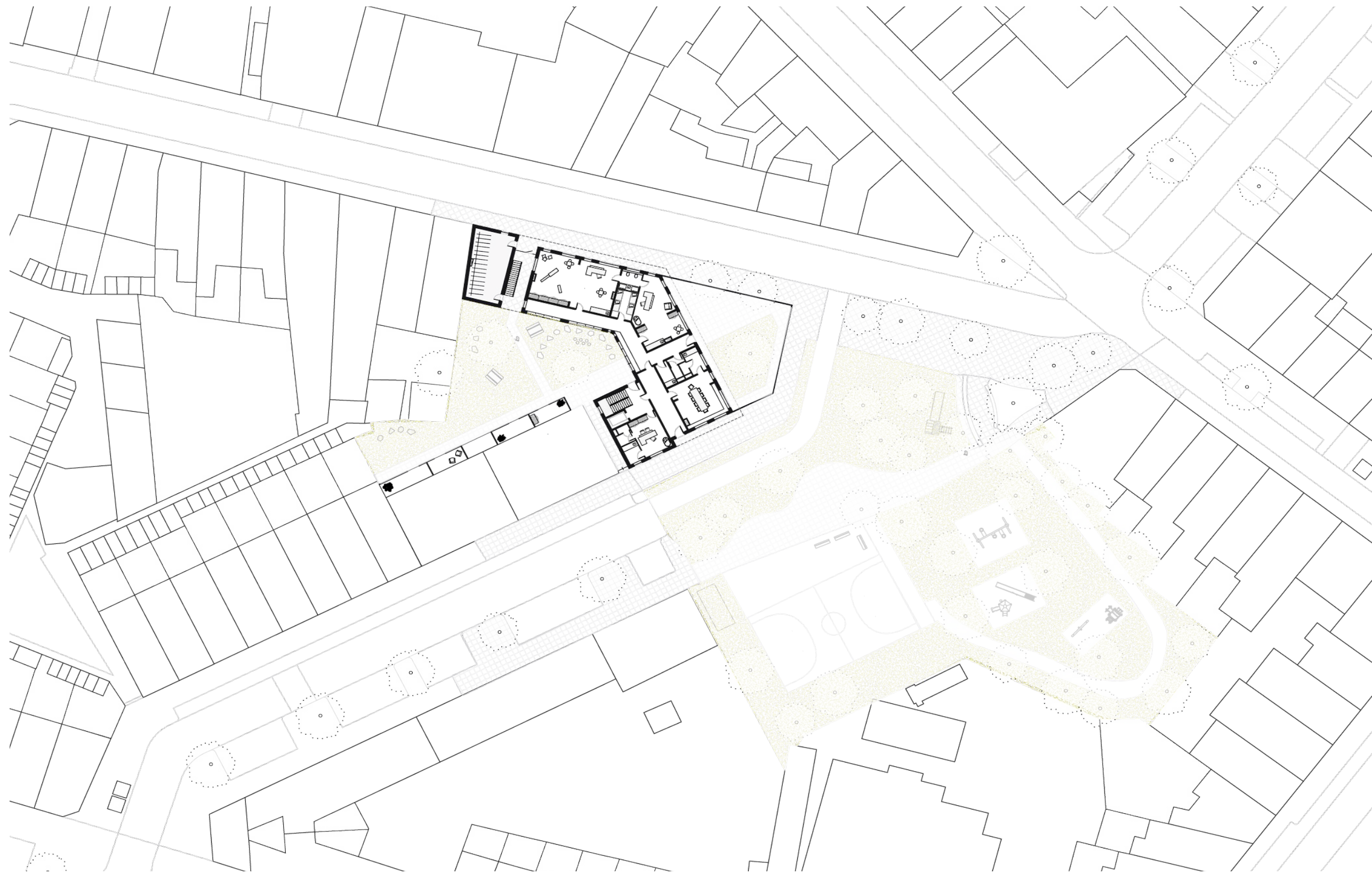
Homeliness

Empowerment

Efficiency

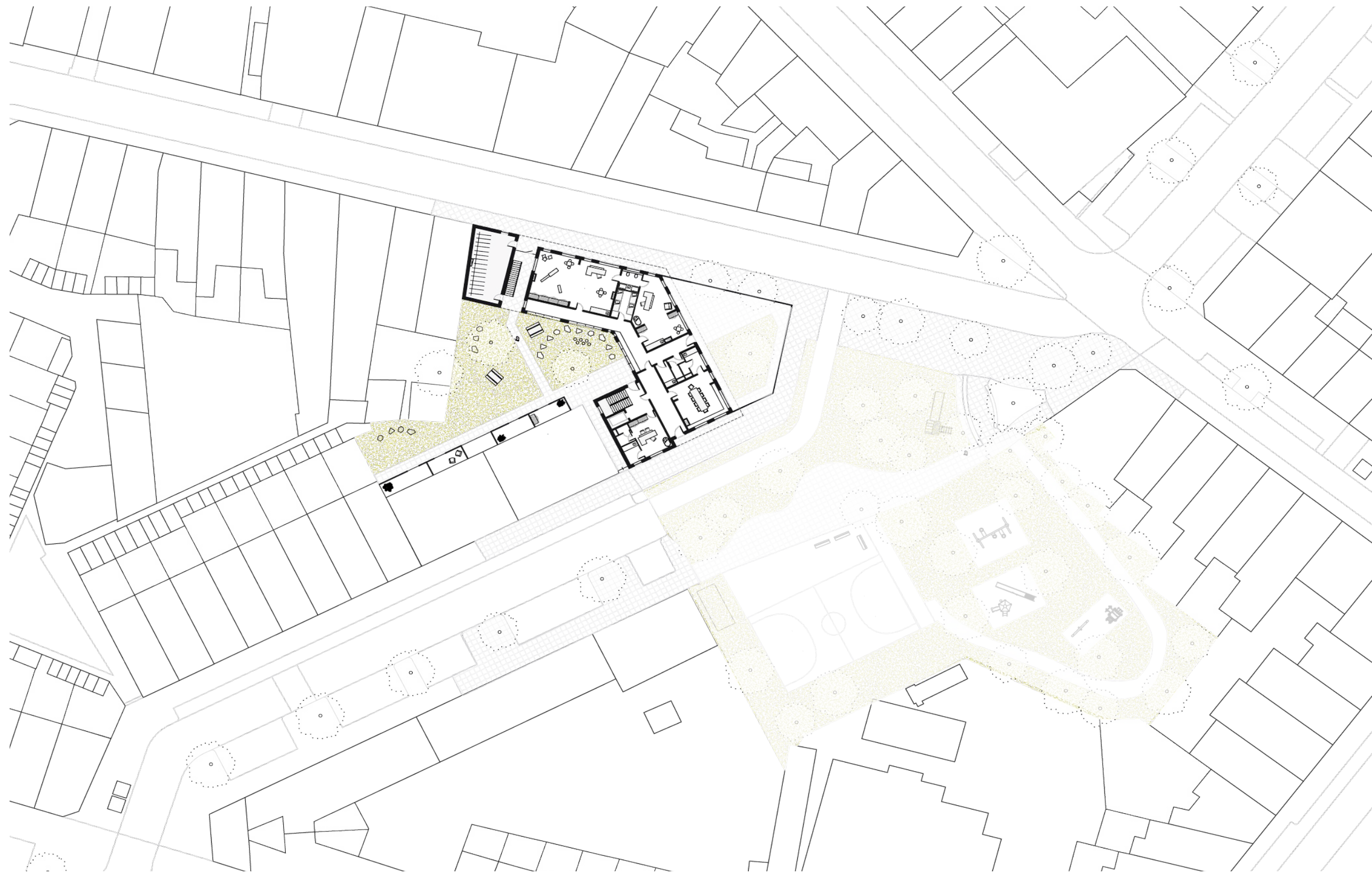
housing scale

Location
Site



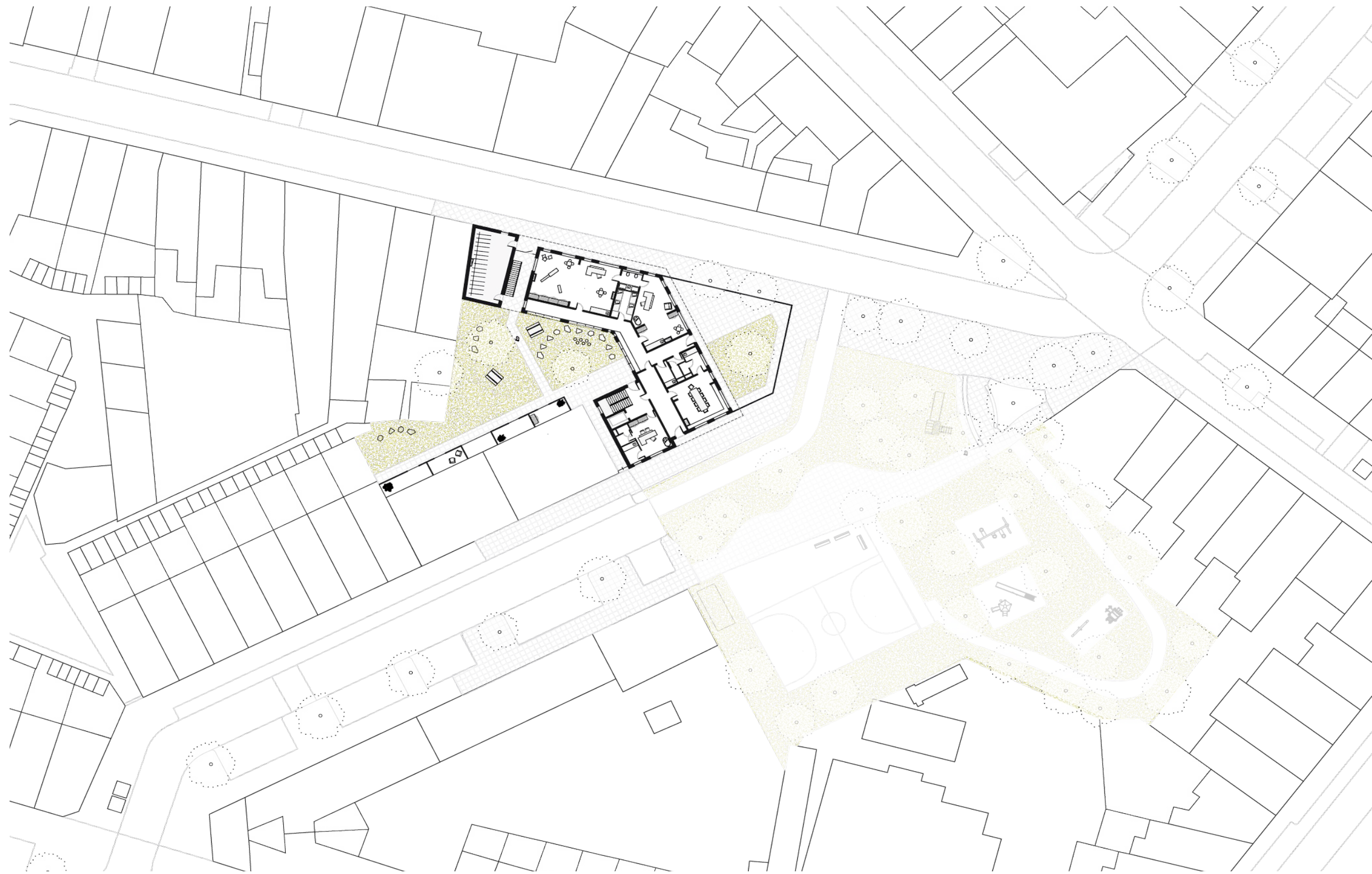
embedded in a trifold of (green) (play) spaces

Location
Site



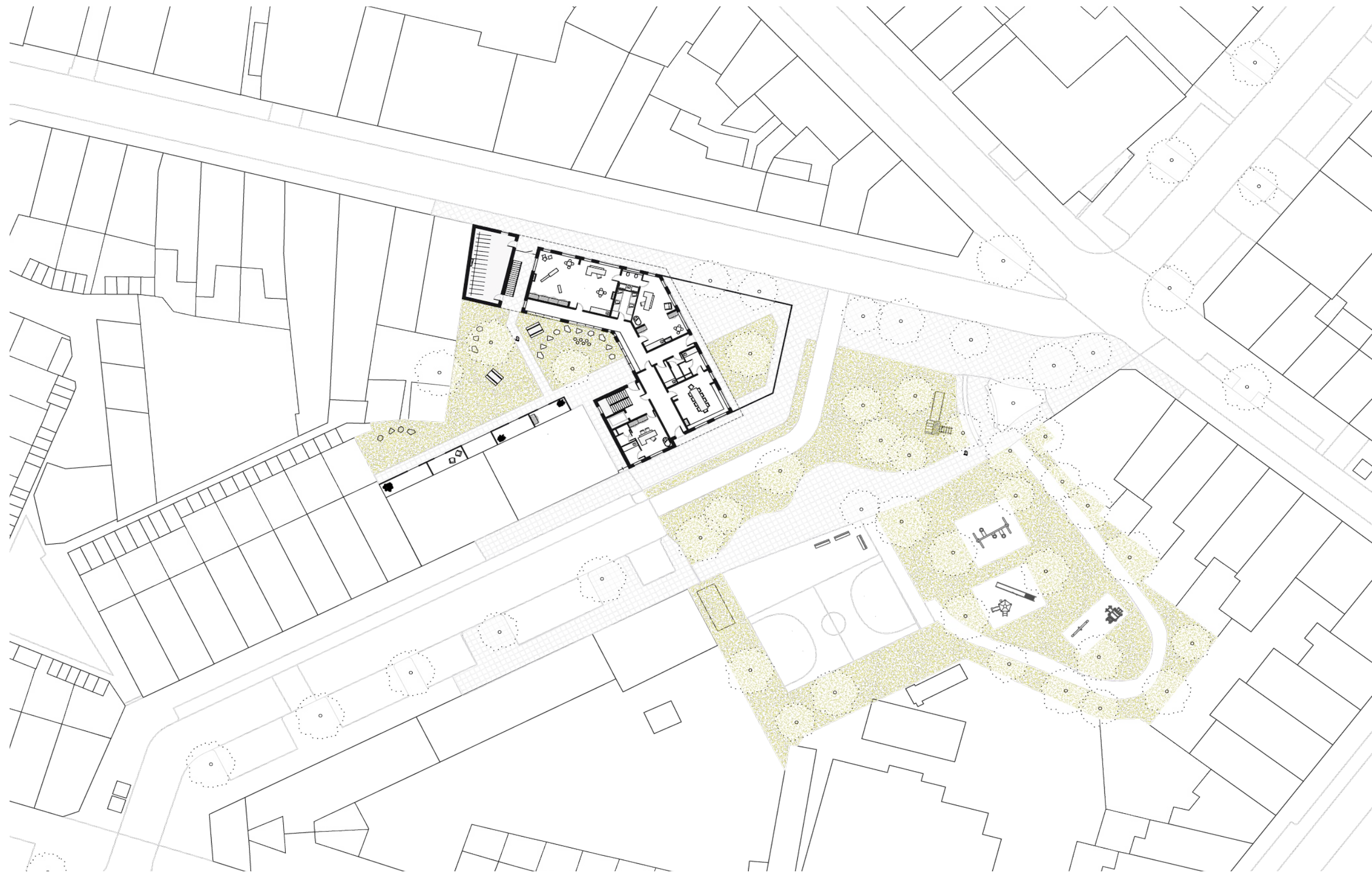
embedded in a trifold of (green) (play) spaces

Location
Site



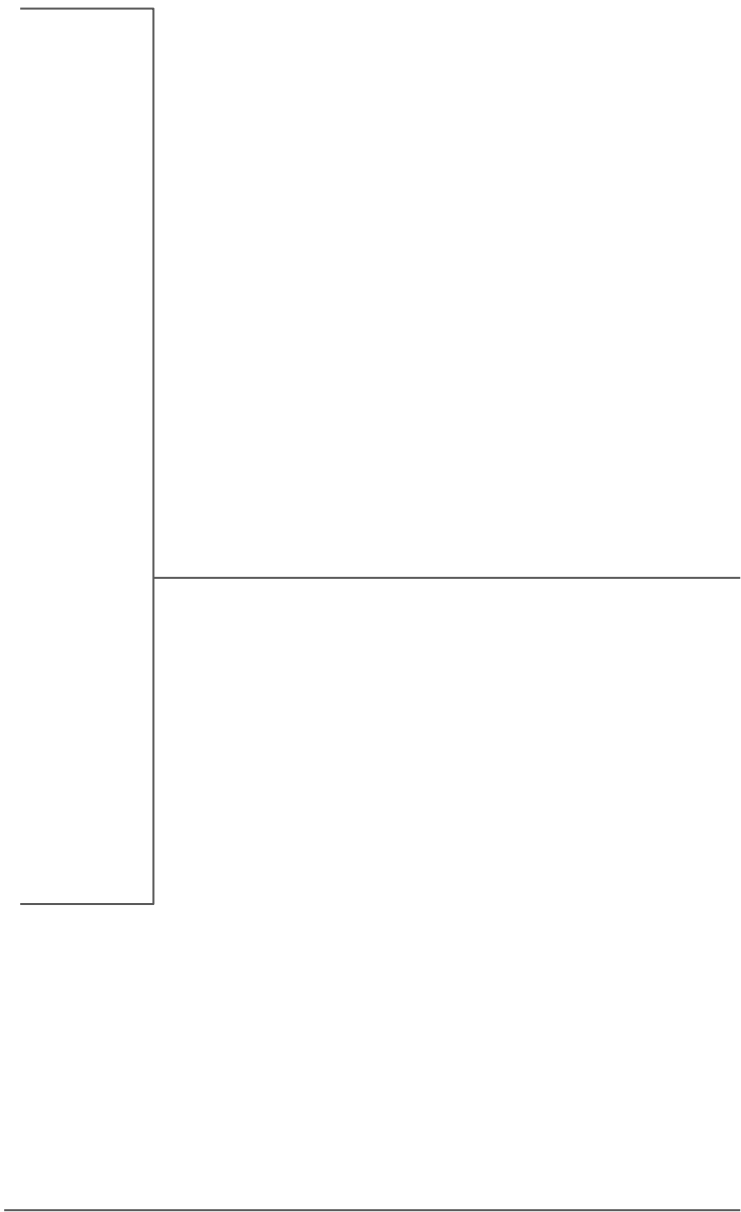
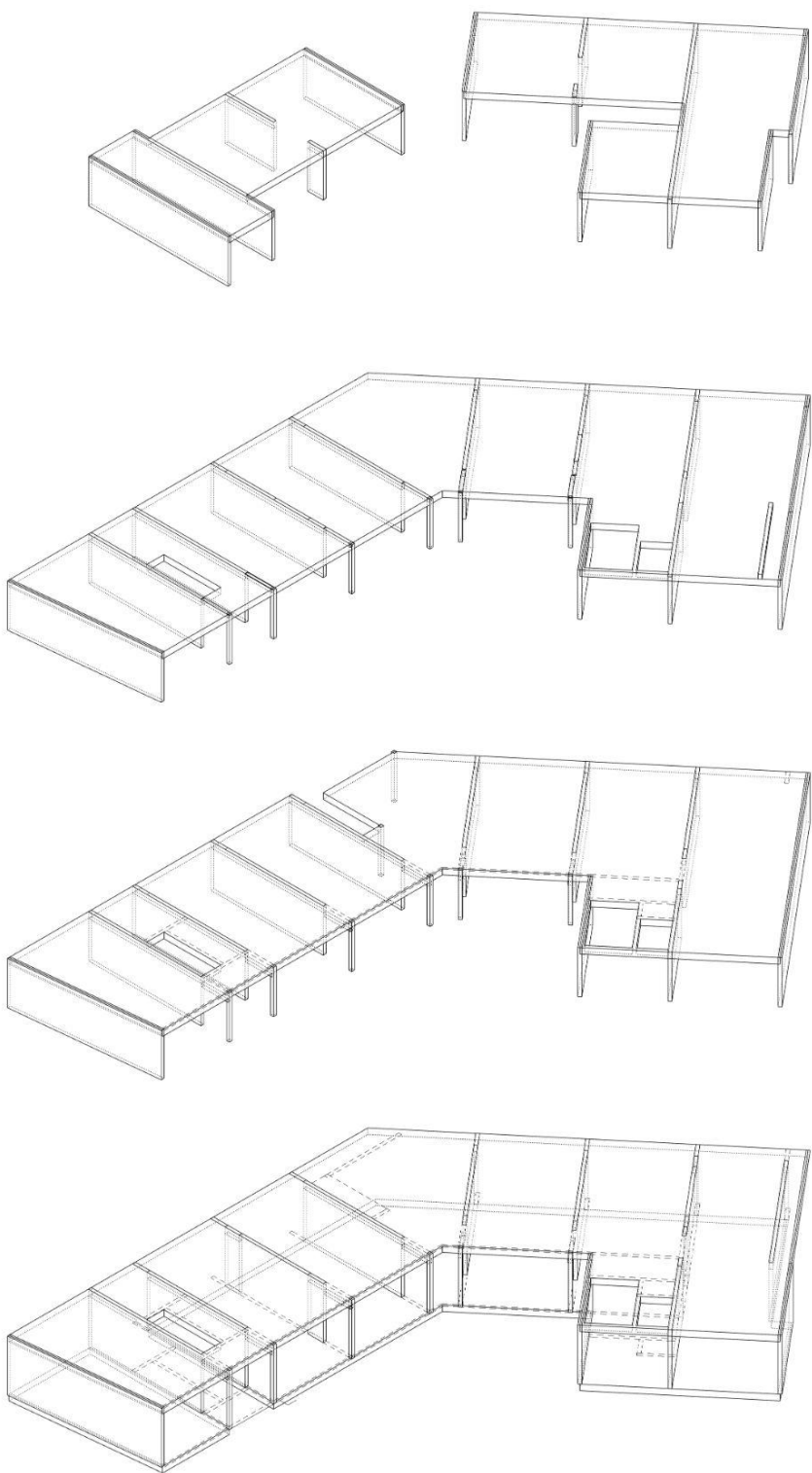
embedded in a trifold of (green) (play) spaces

Location
Site



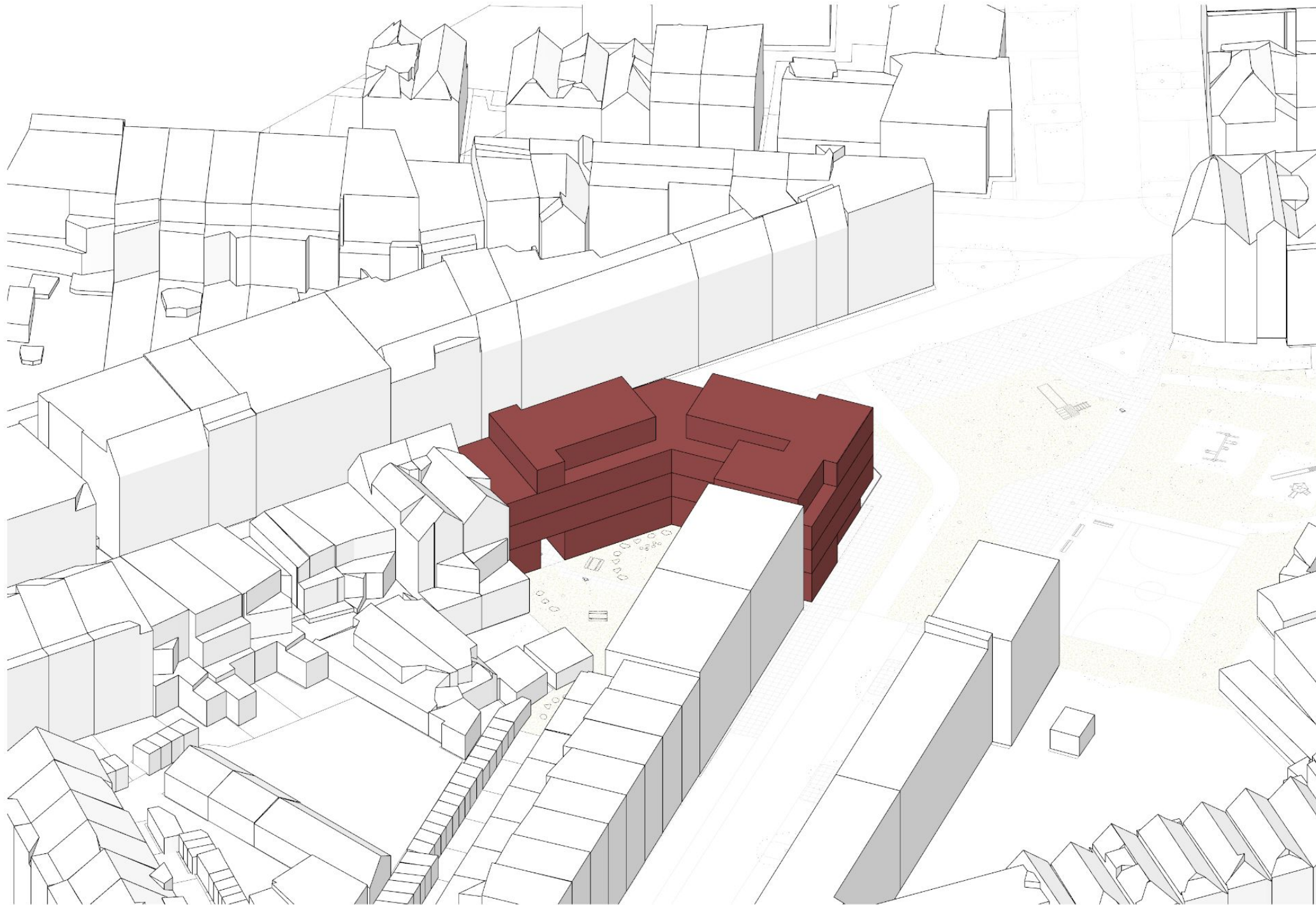
embedded in a trifold of (green) (play) spaces

Massing
Construction

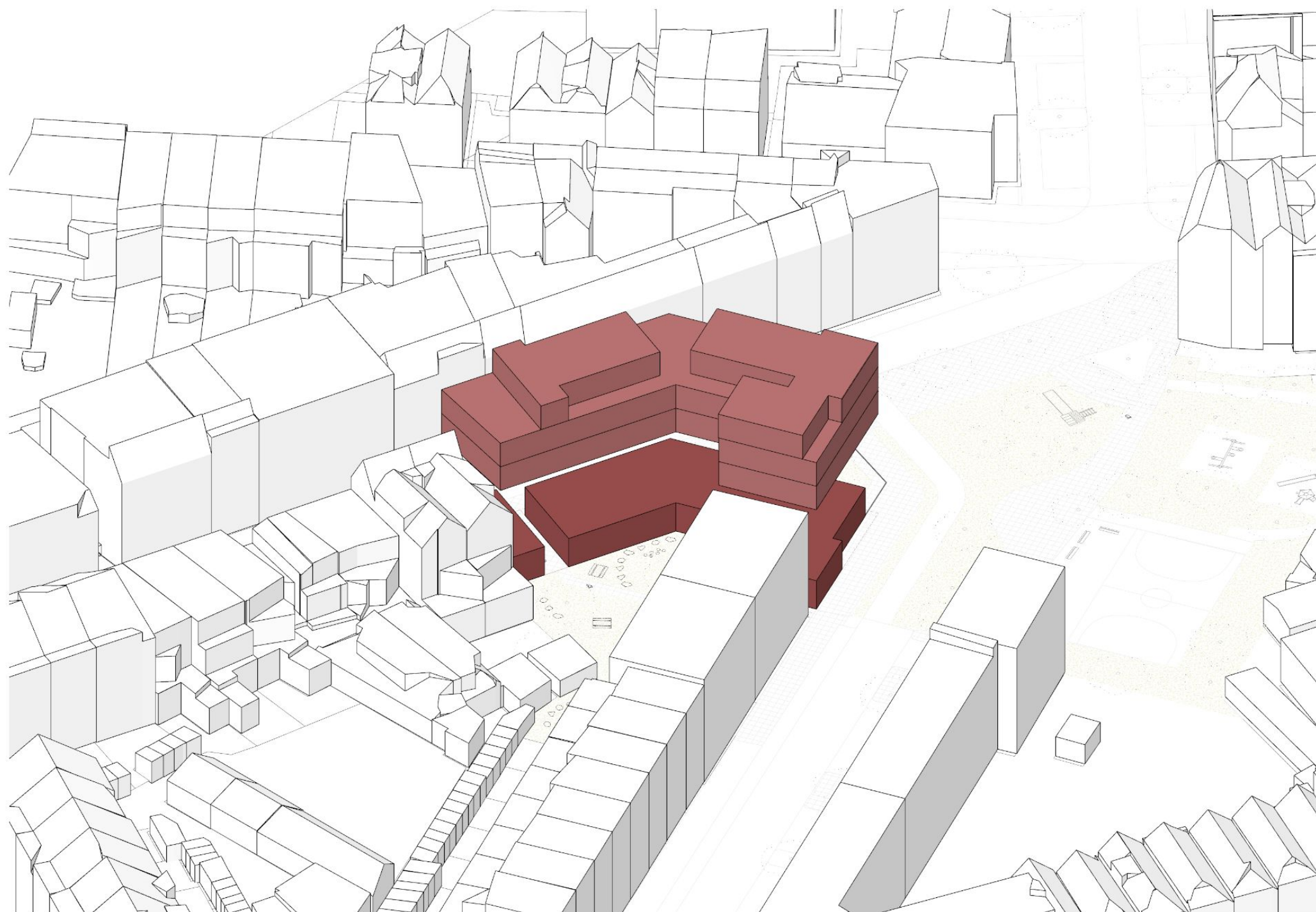


*shear wall construction
+ CLT floors*

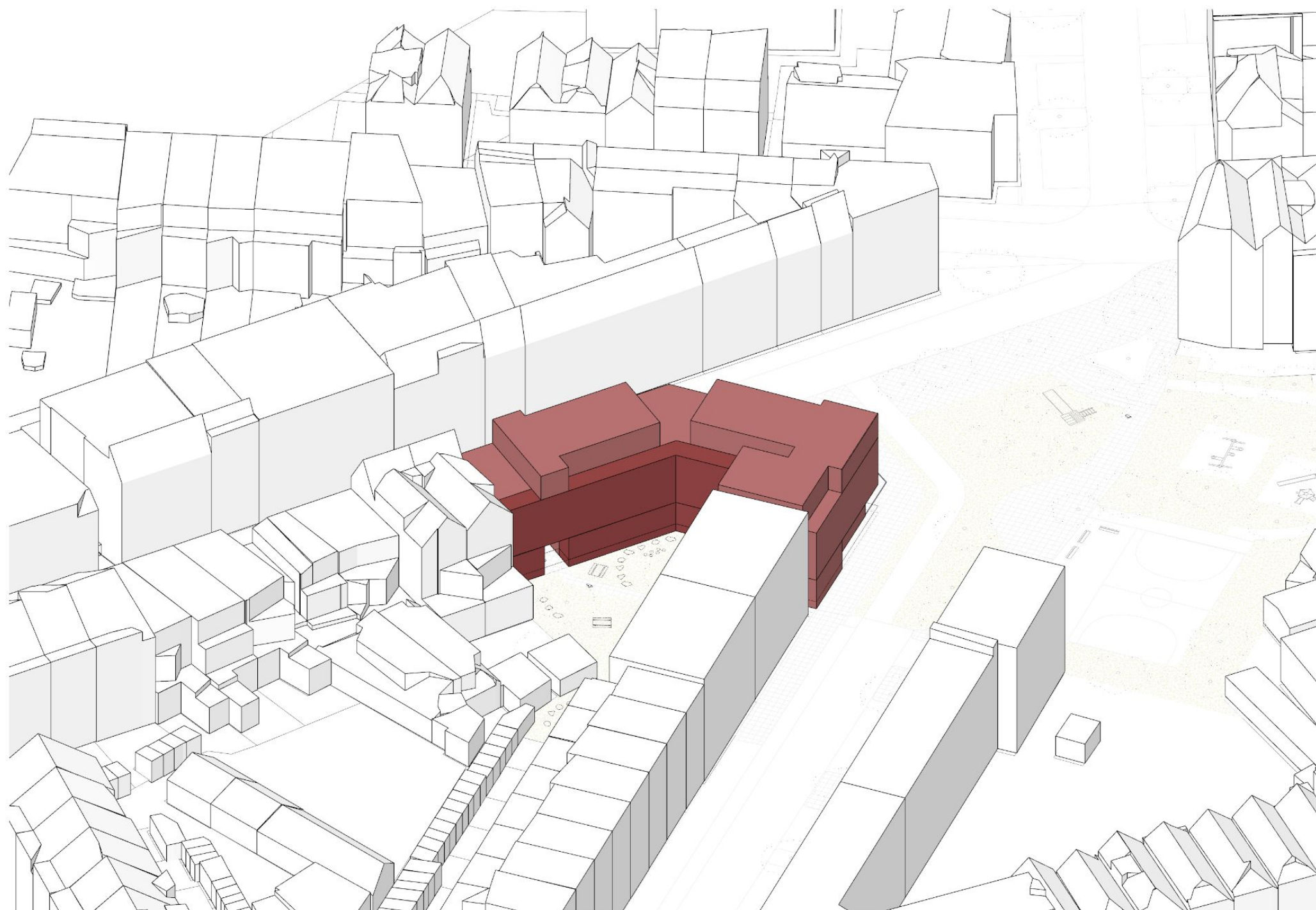
CLT walls and floors



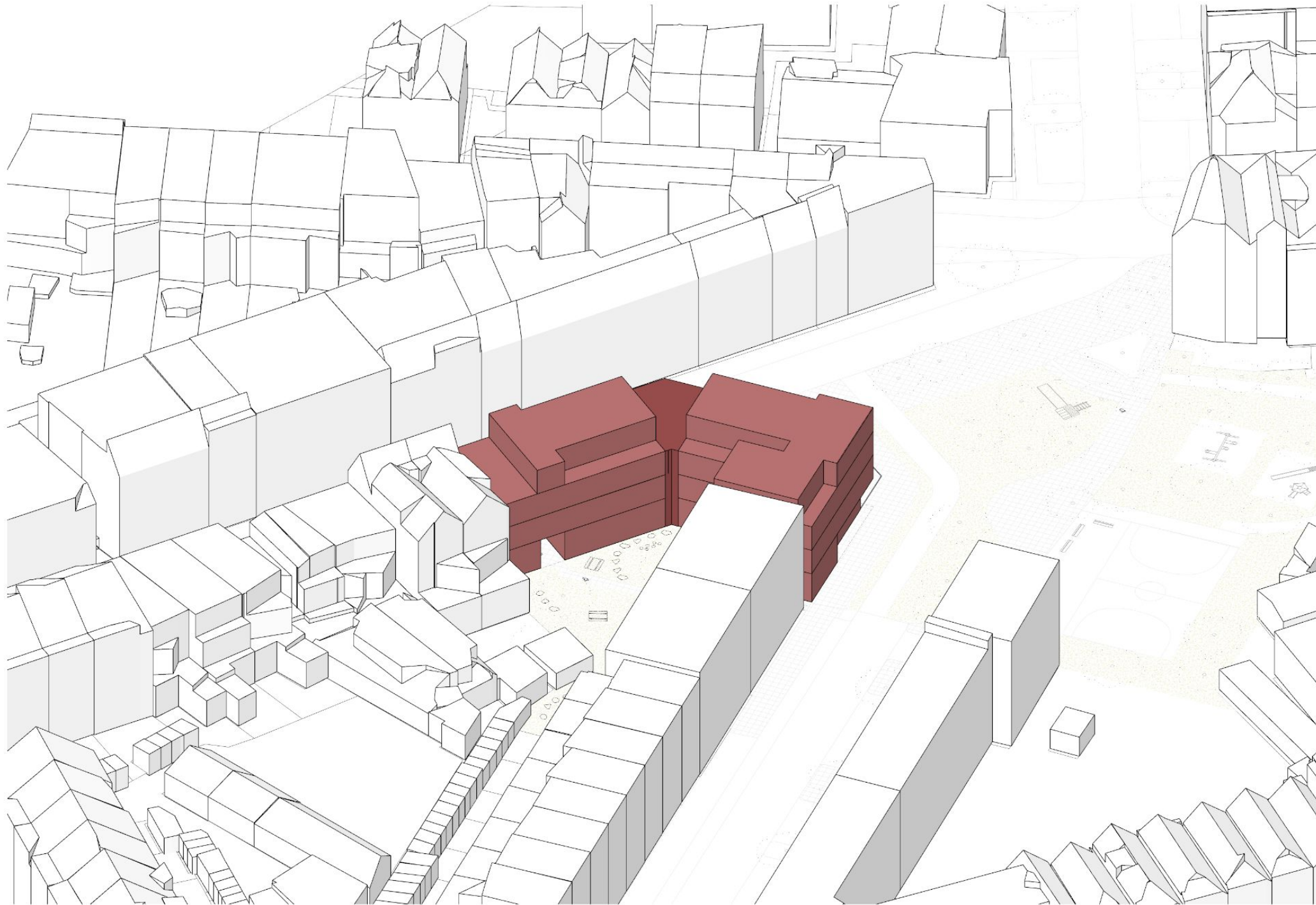
massing closes off urban block



public plinth and housing on top



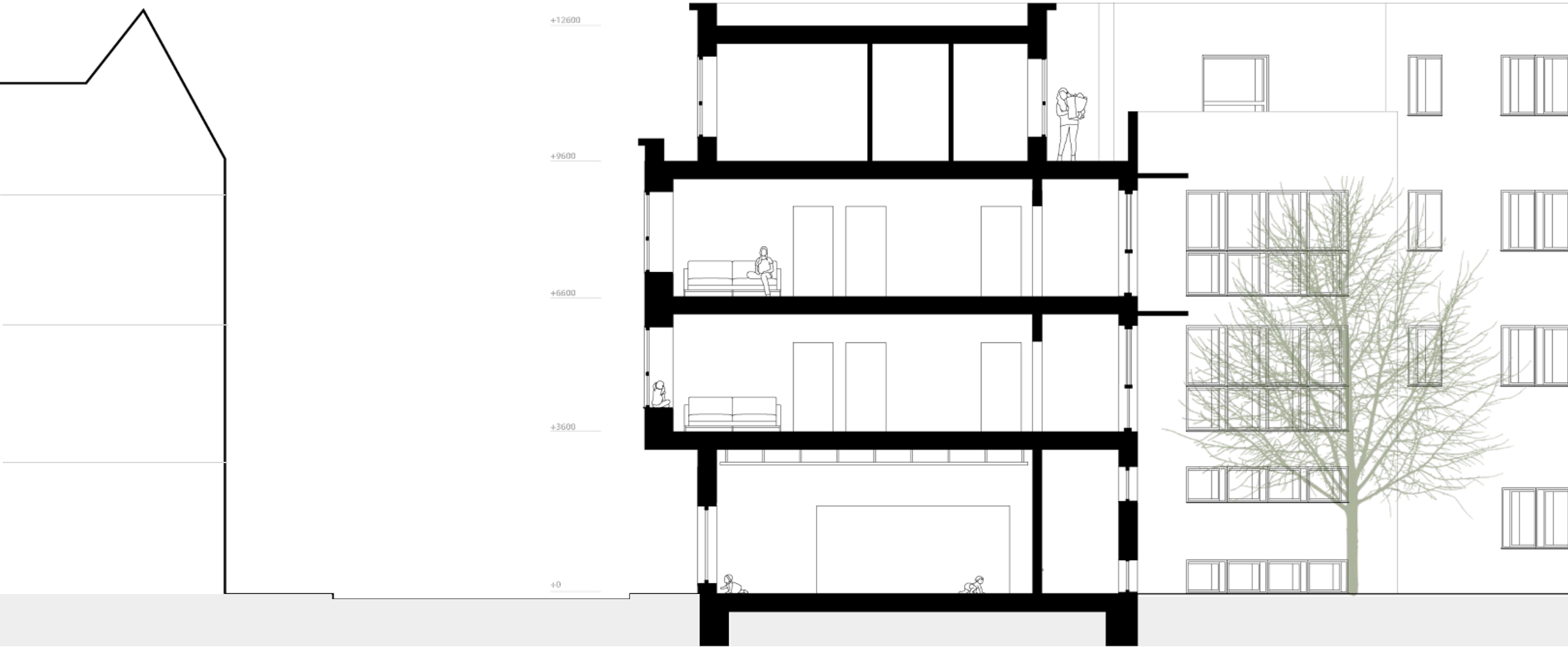
inwards facing circulation



collective heart at centre of mass

Section

Embedding in surroundings

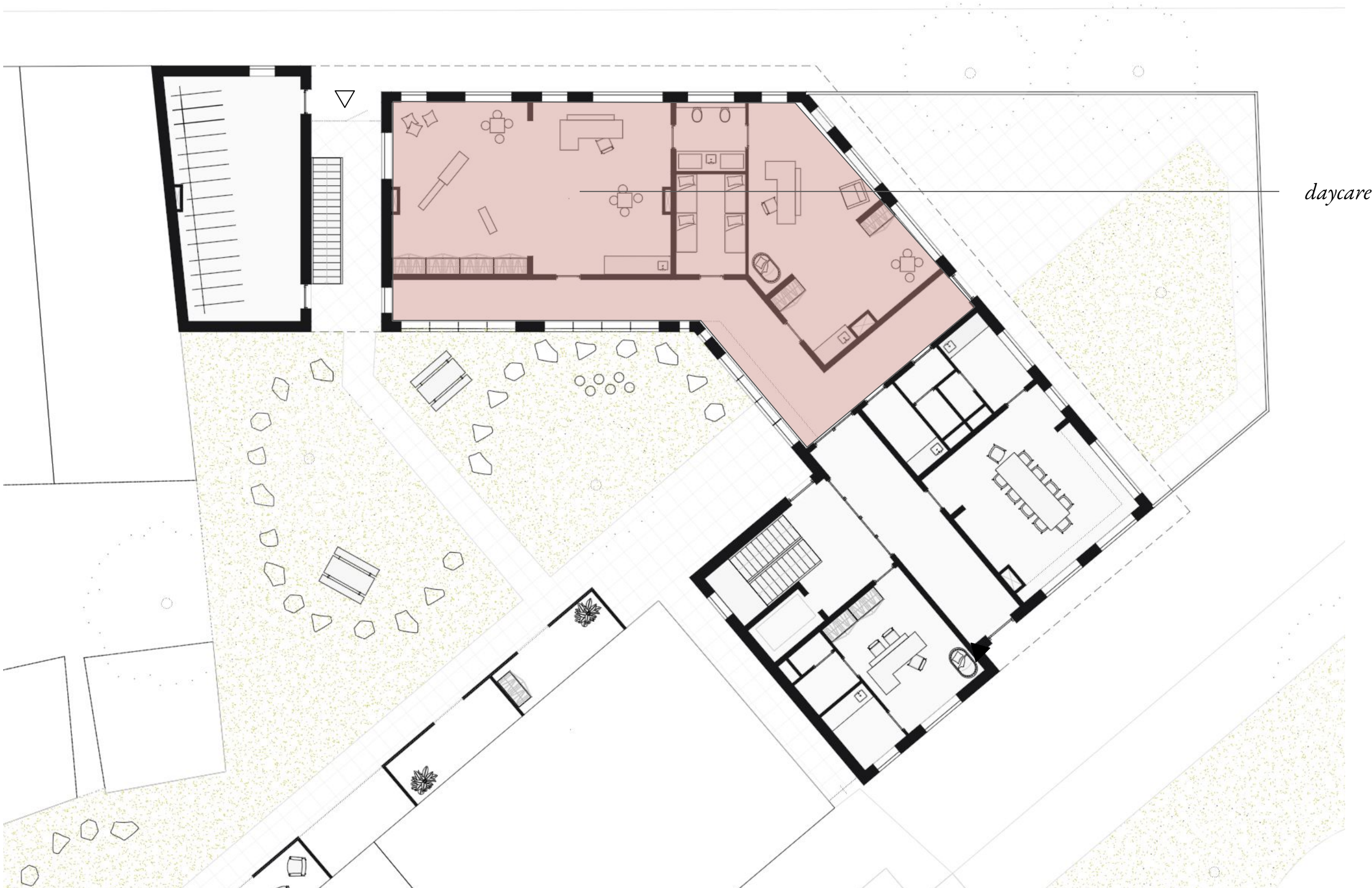


form relates to surrounding buildings

Ground floor
floor plan



Ground floor
floor plan



Autonomy

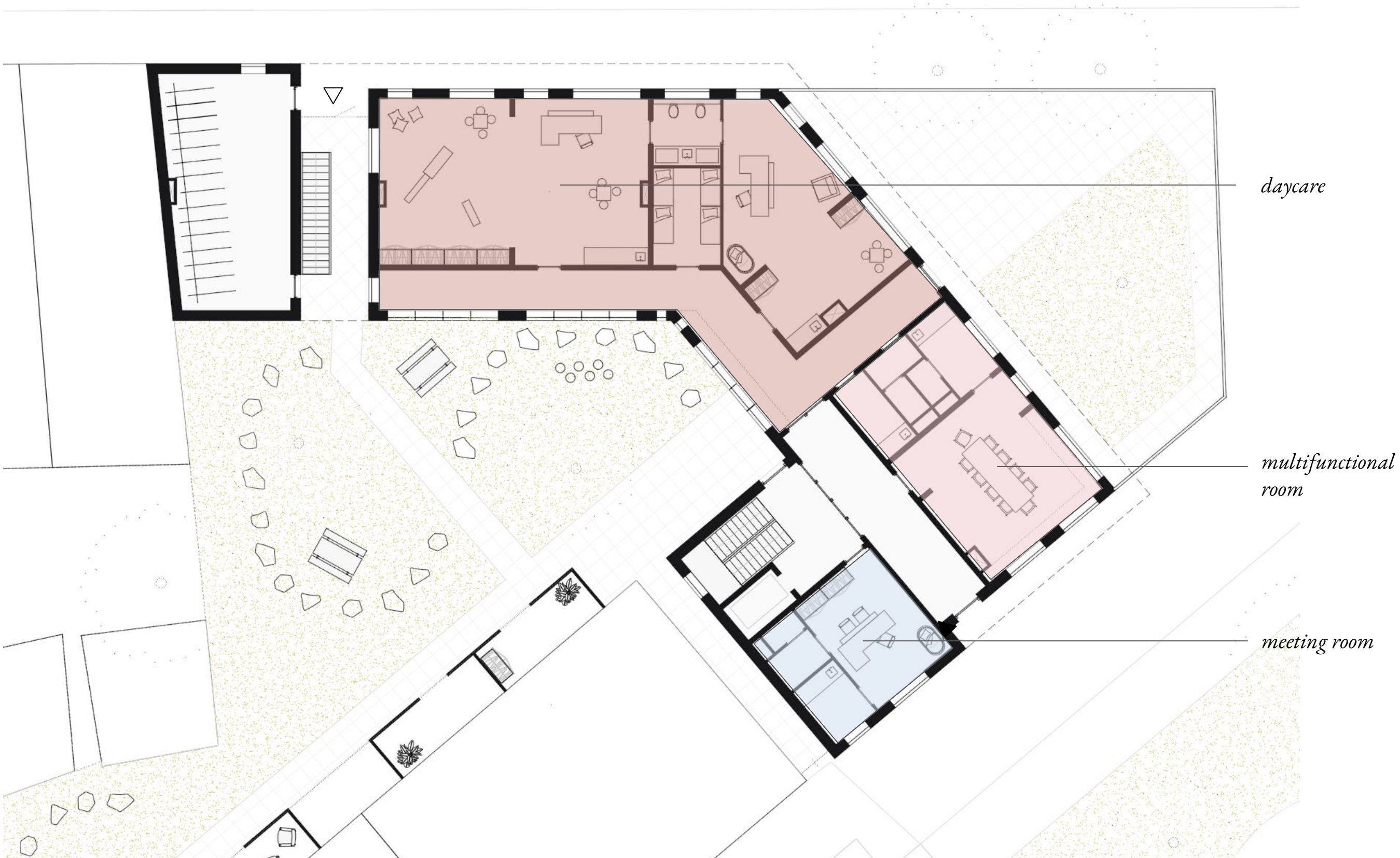
Community

Homeliness

Empowerment

Efficiency

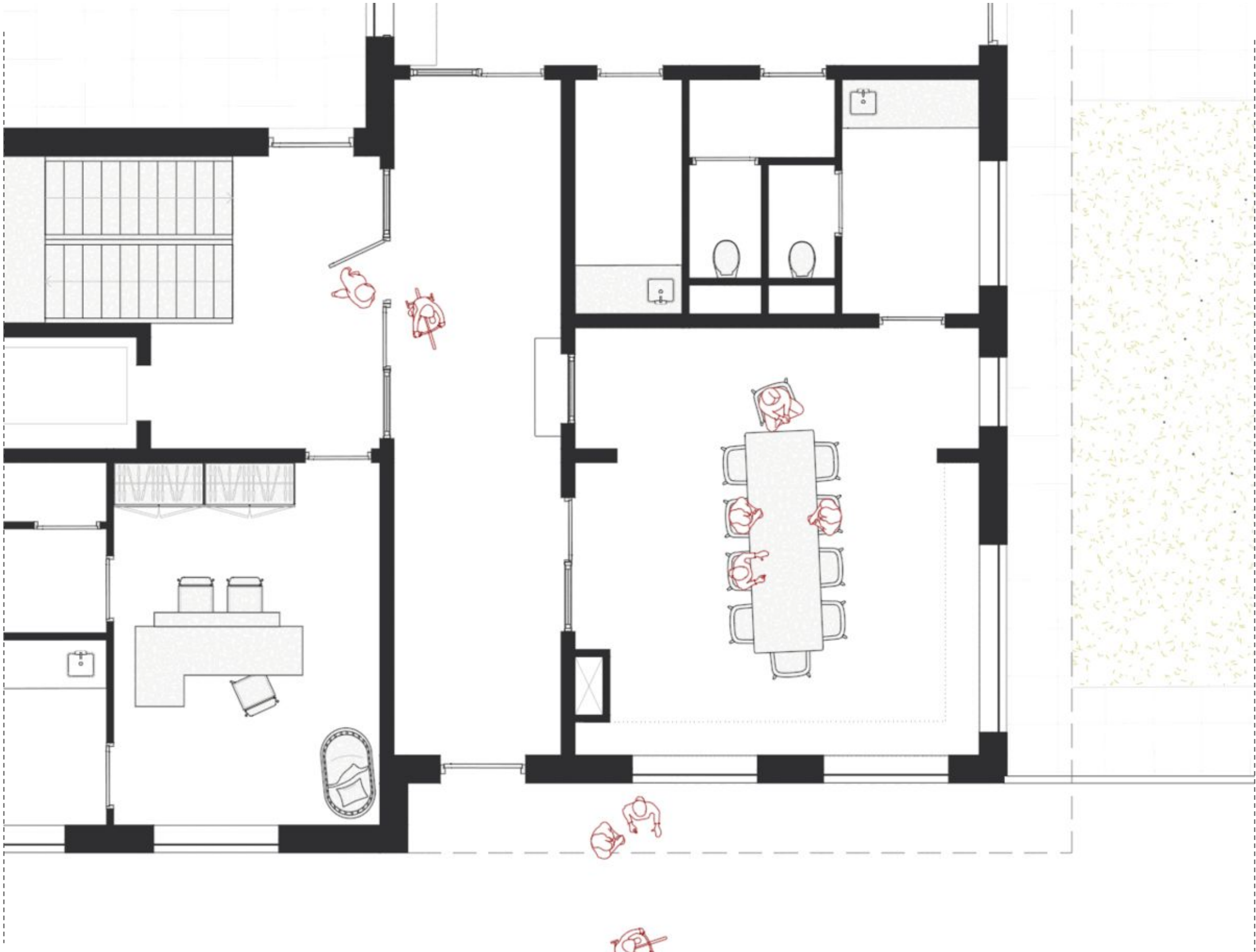
Ground floor
floor plan



Ground floor
floor plan



Entrance hall
zoom in plan



mothers meeting, learning and conversing

Entryway

impression



Autonomy

Community

Homeliness

Empowerment

Efficiency

First and second floor *floor plan*



Autonomy

Community

Homeliness

Empowerment

Efficiency

First and second floor *floor plan*



Six mothers live together on one floor

Autonomy

Community

Homeliness

Empowerment

Efficiency

First and second floor *floor plan*



*collective living
room*

Six mothers live together on one floor

Autonomy

Community

Homeliness

Empowerment

Efficiency

First and second floor *floor plan*



Six mothers live together on one floor

Autonomy

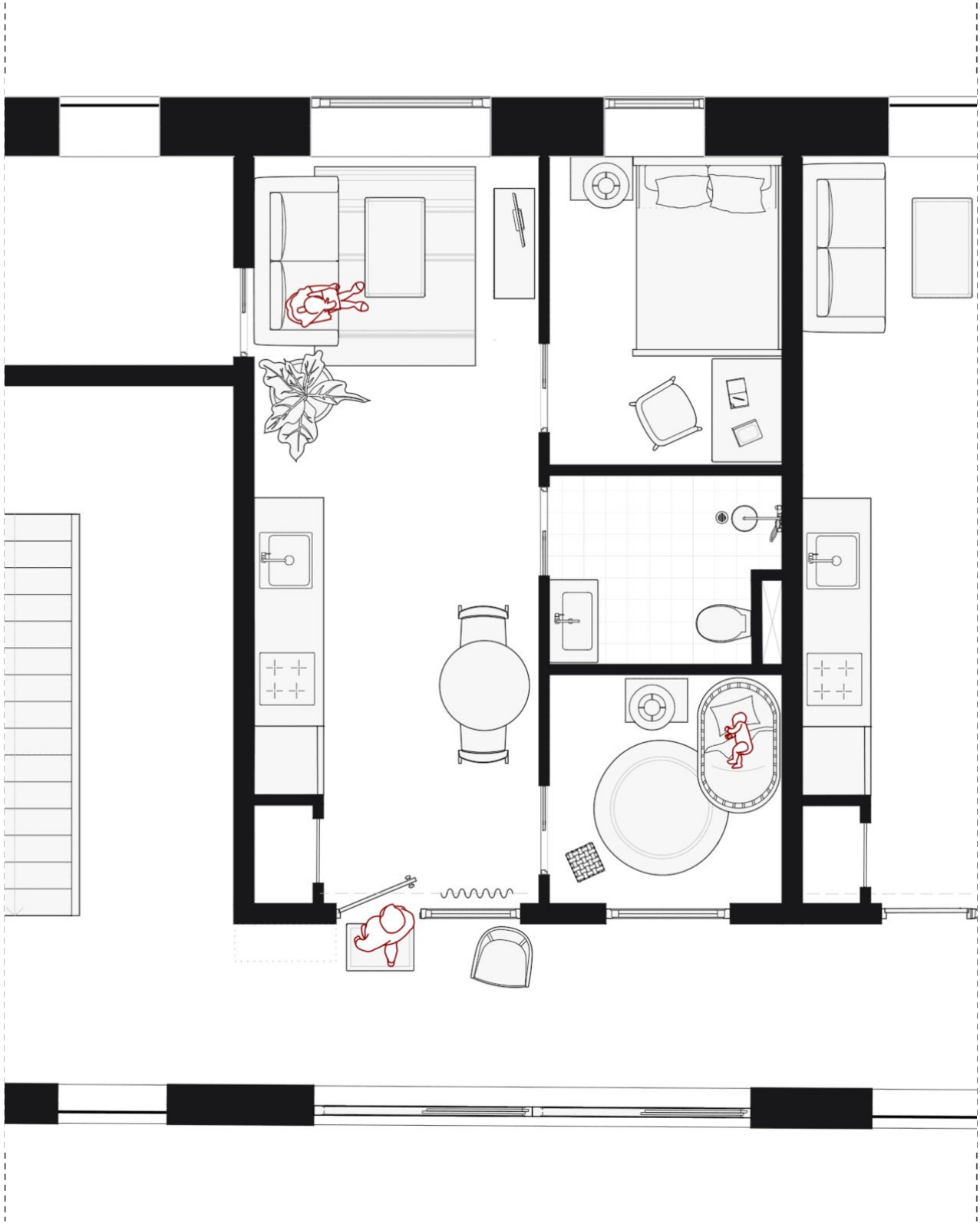
Community

Homeliness

Empowerment

Efficiency

Individual unit
zoom in plan



self-sufficient individual unit for mother and child

Autonomy

Community

Homeliness

Empowerment

Efficiency

Individual unit
impression



Autonomy

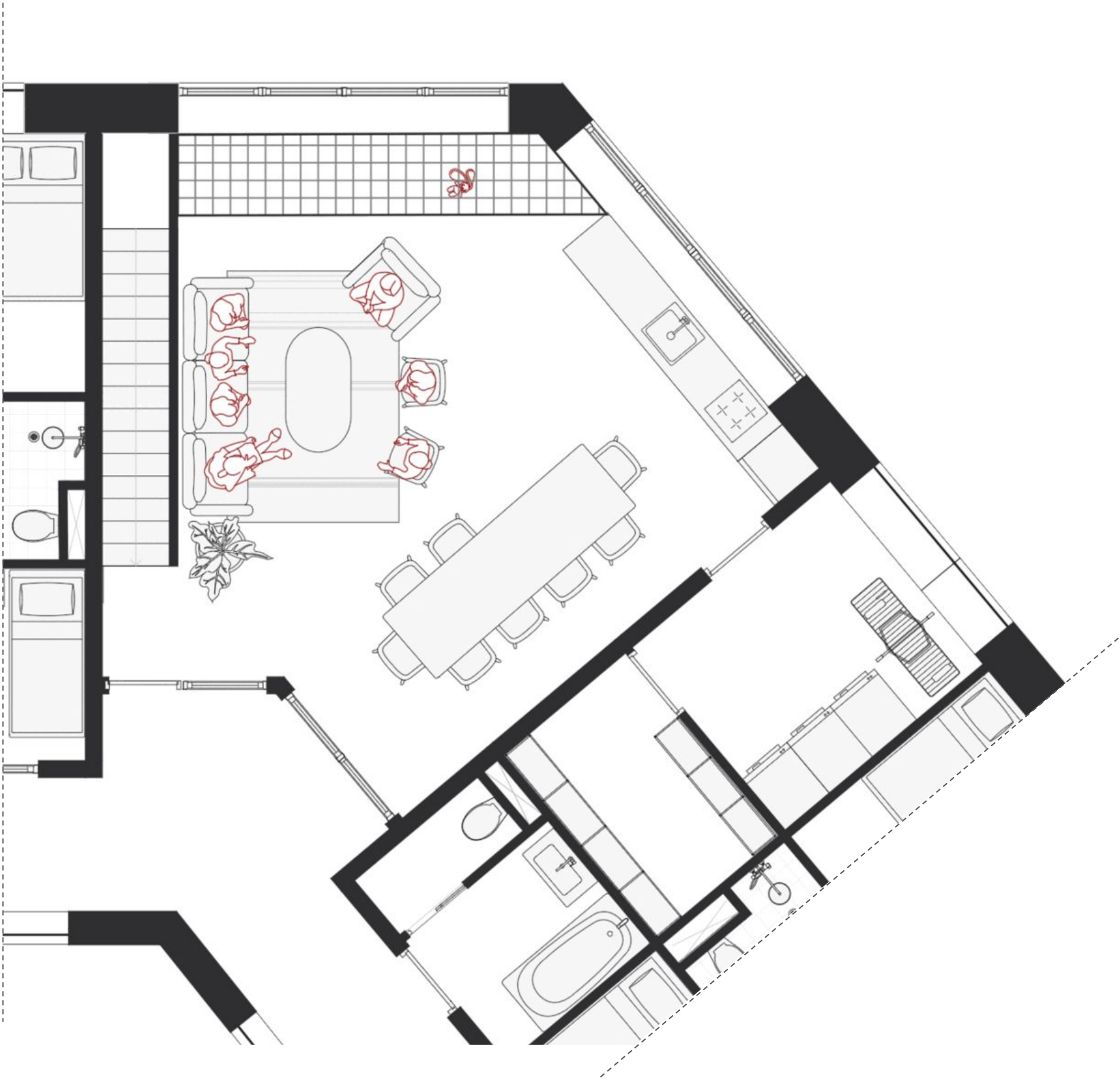
Community

Homeliness

Empowerment

Efficiency

Collective living area
zoom in plan



living together forming a new household

Collective living room
impression



Third floor
floor plan



two to three women living together

Autonomy

Community

Homeliness

Empowerment

Efficiency

Third floor
floor plan



two to three women living together

Autonomy

Community

Homeliness

Empowerment

Efficiency

Hallway
impression



Autonomy

Community

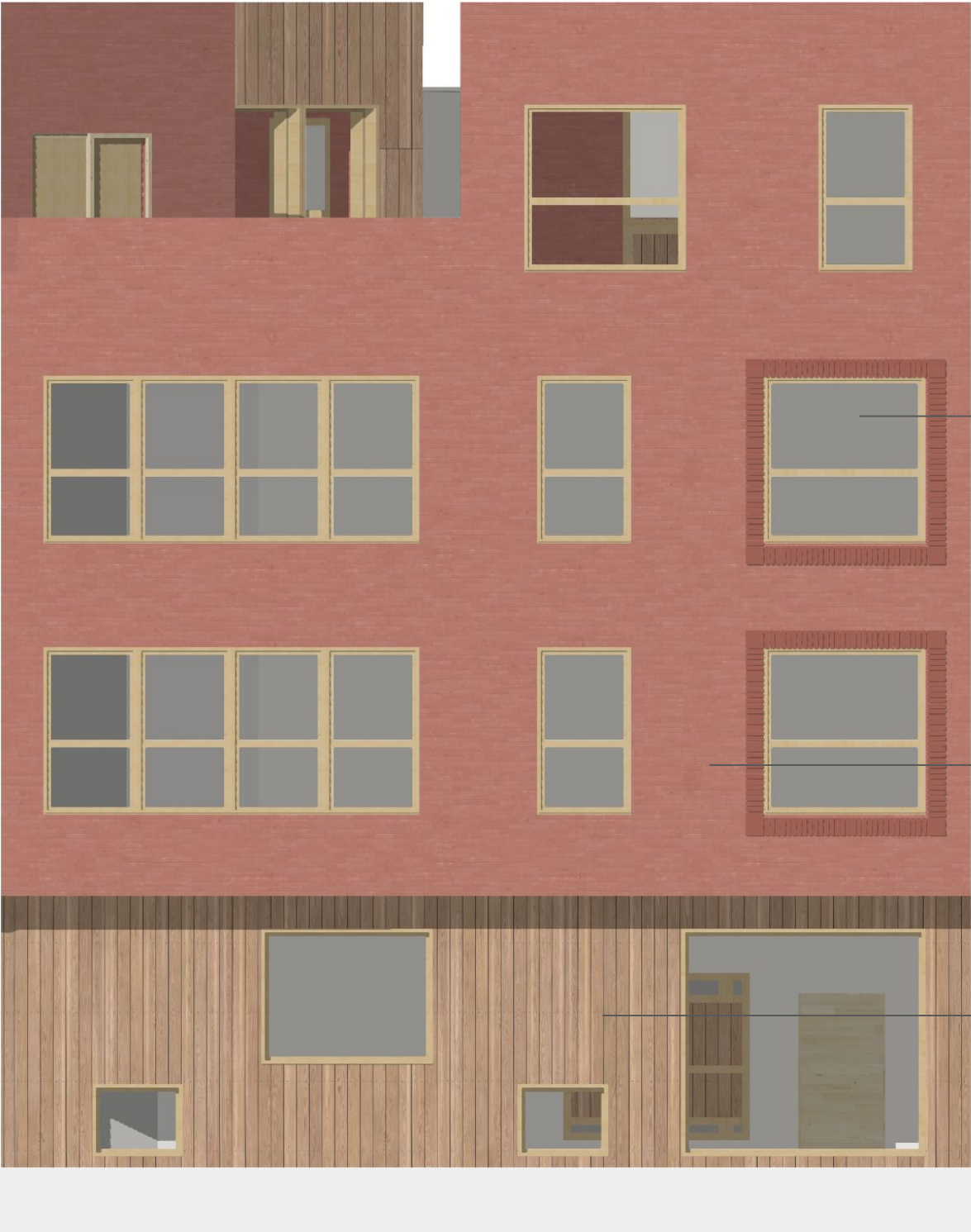
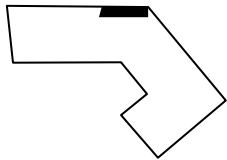
Homeliness

Empowerment

Efficiency

materialisation and detailing

Facade
Materialisation



*frame around
seat window*

red brick facade

wooden vertical slats

Autonomy

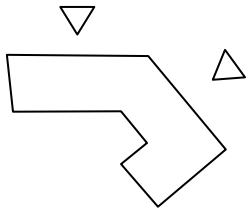
Community

Homeliness

Empowerment

Efficiency

Facades
Elevations

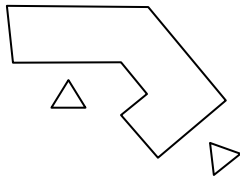


South



North

Facades
Elevations

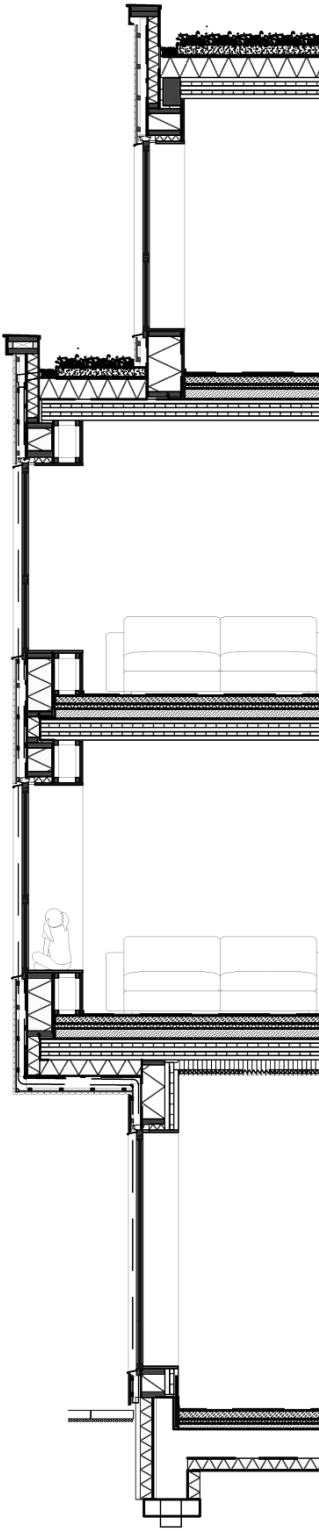
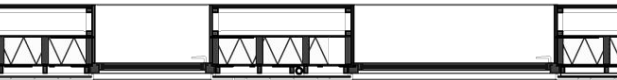
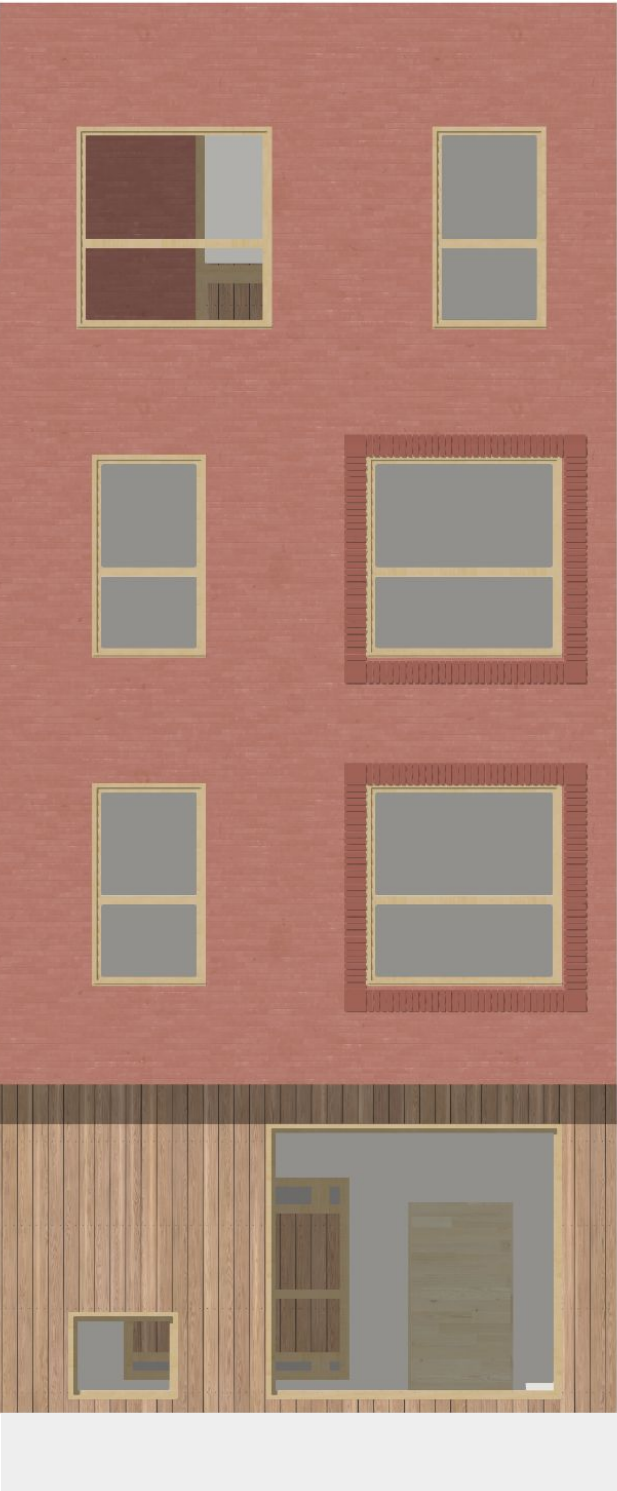
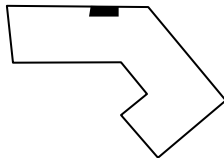


East



Back

Facade
Fragment



Autonomy

Community

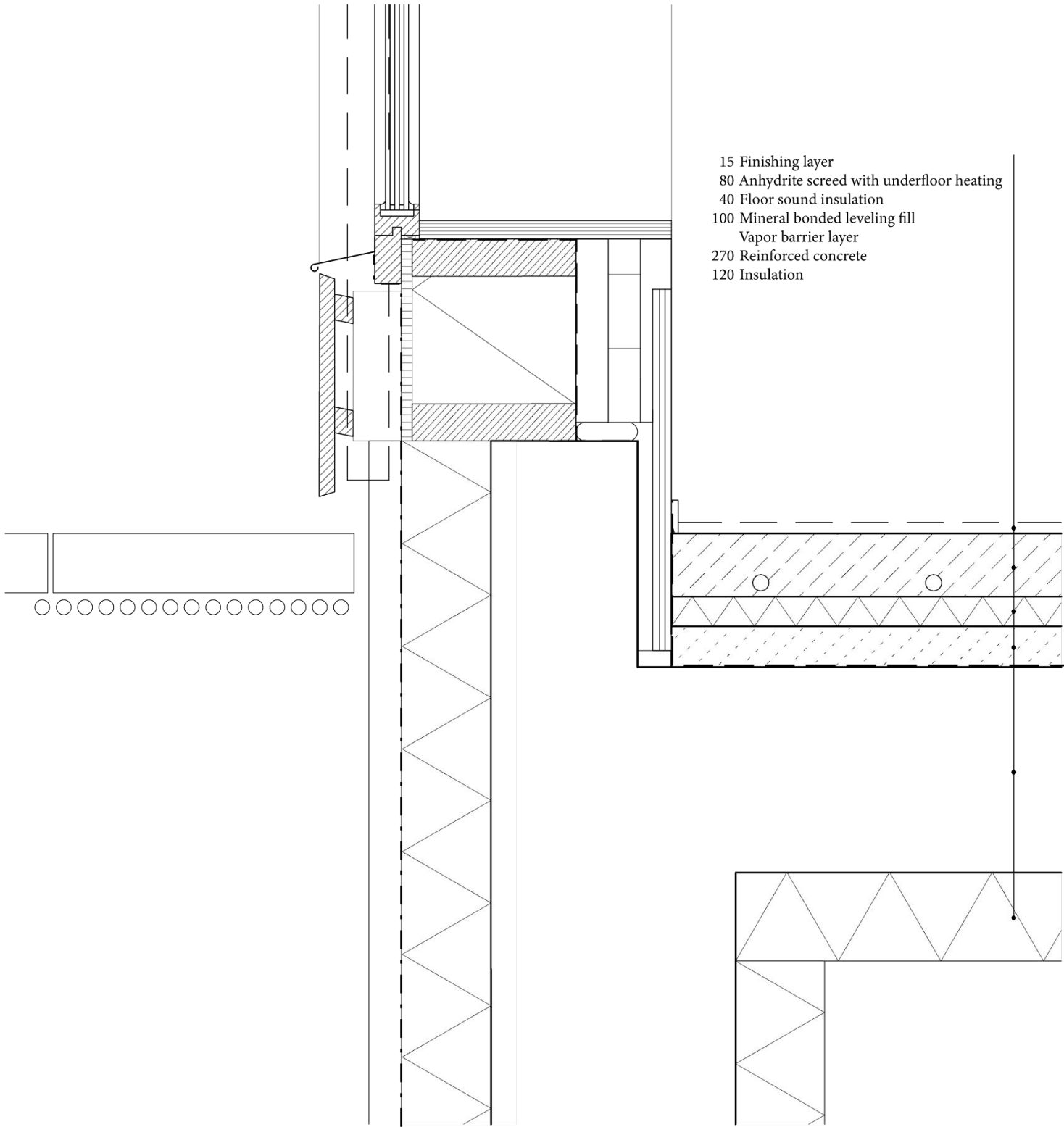
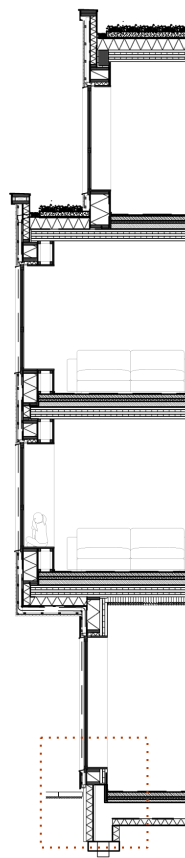
Homeliness

Empowerment

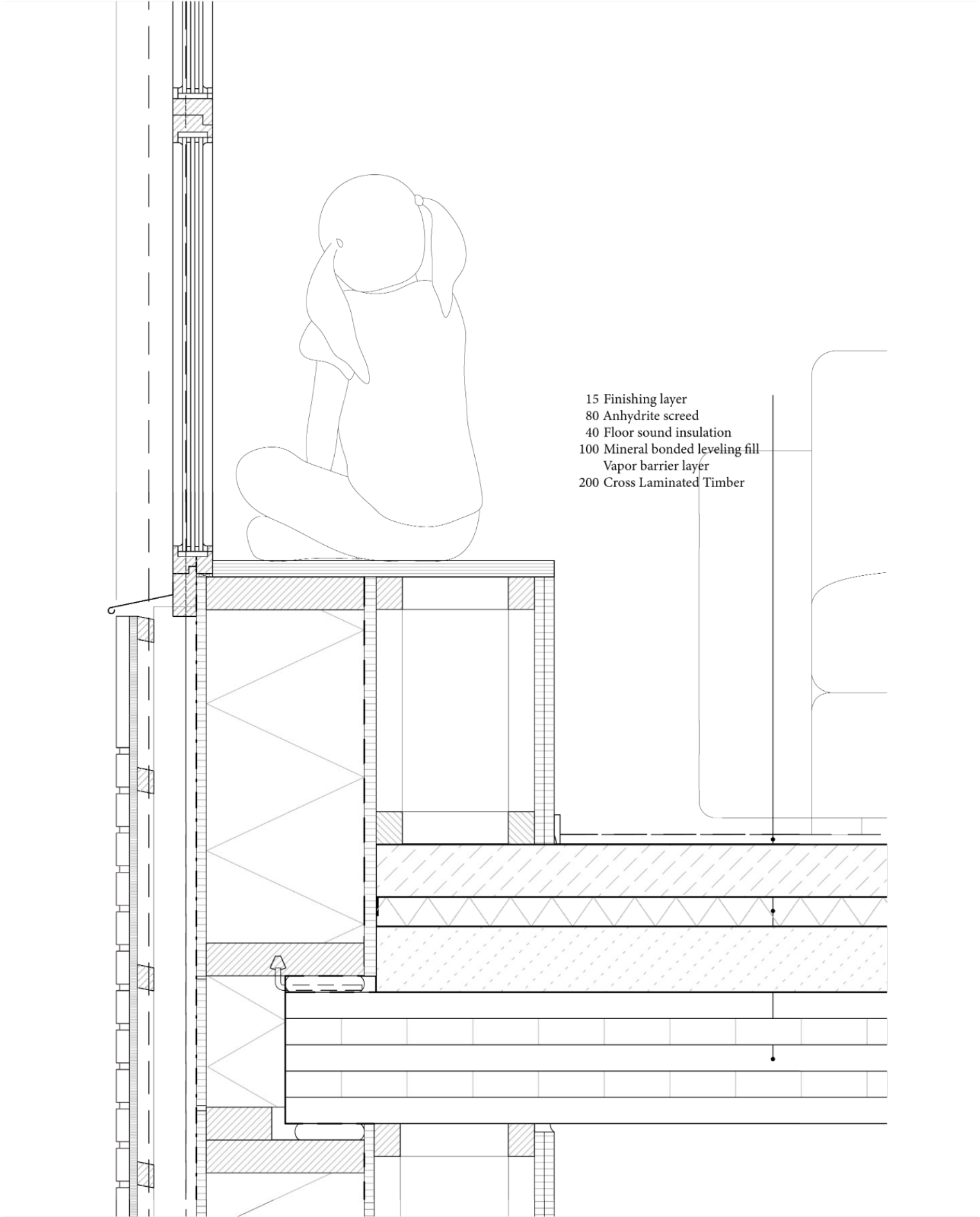
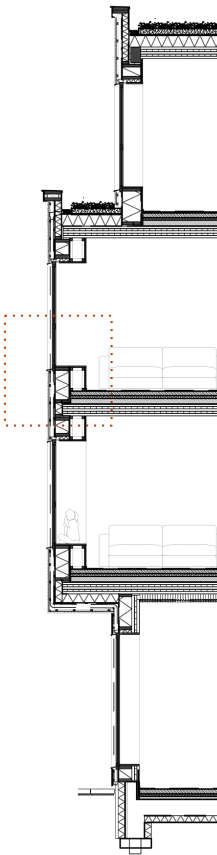
Efficiency

Detailing

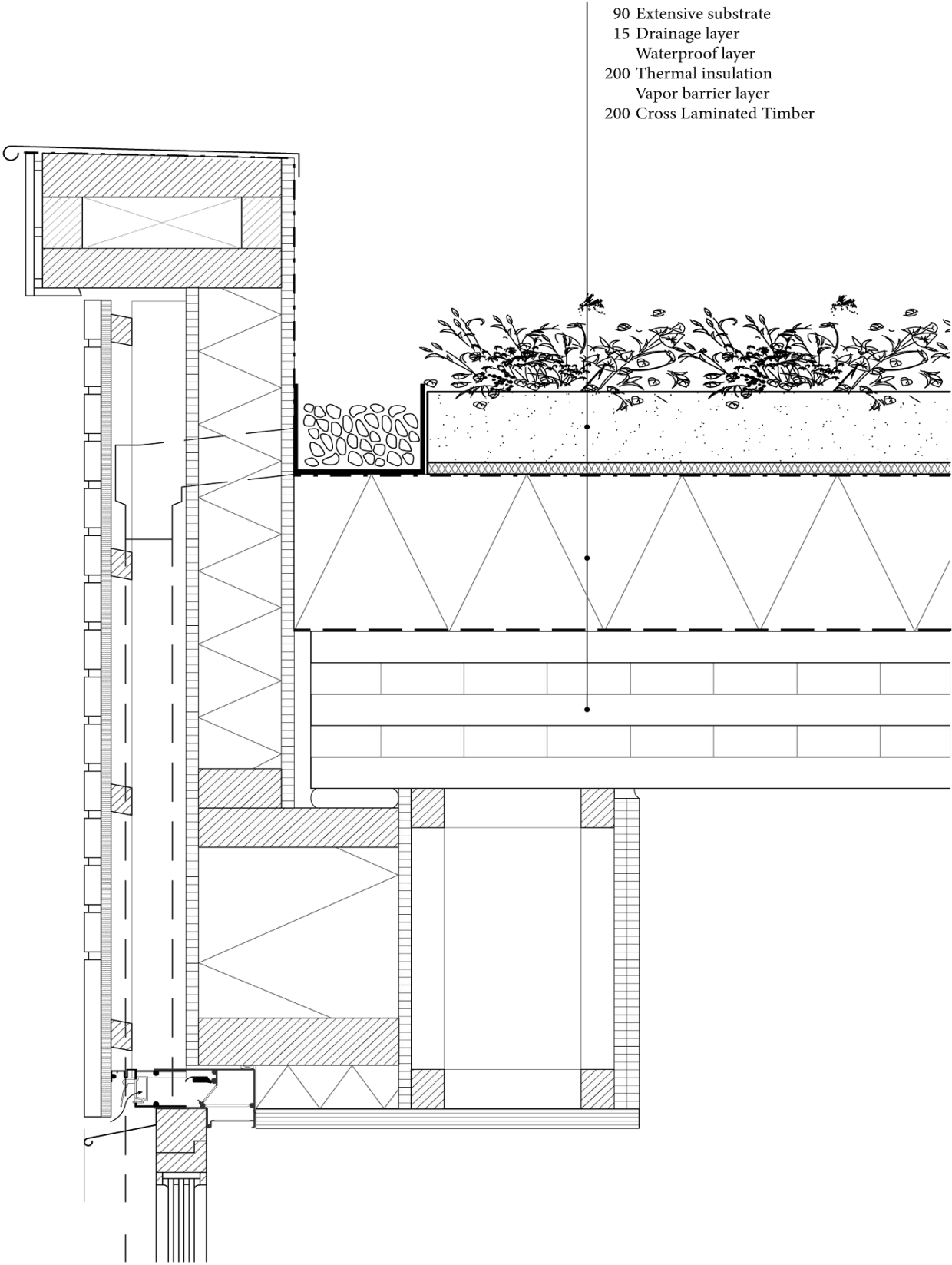
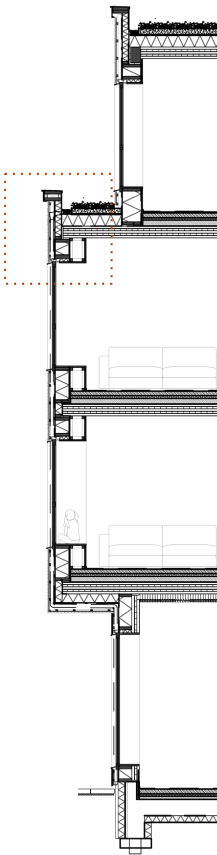
Ground floor

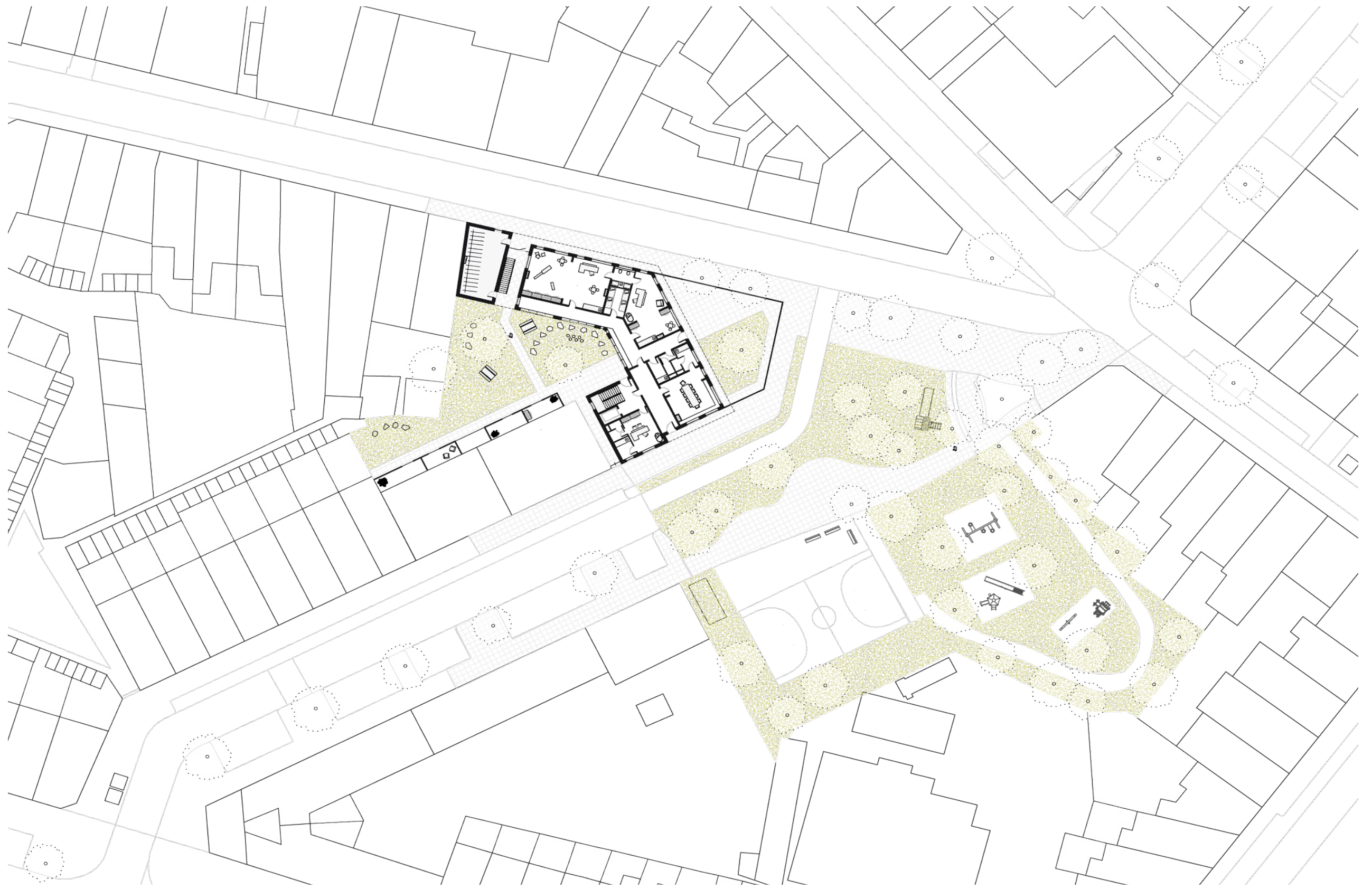


Detailing
Window seat



Detailing
Roof





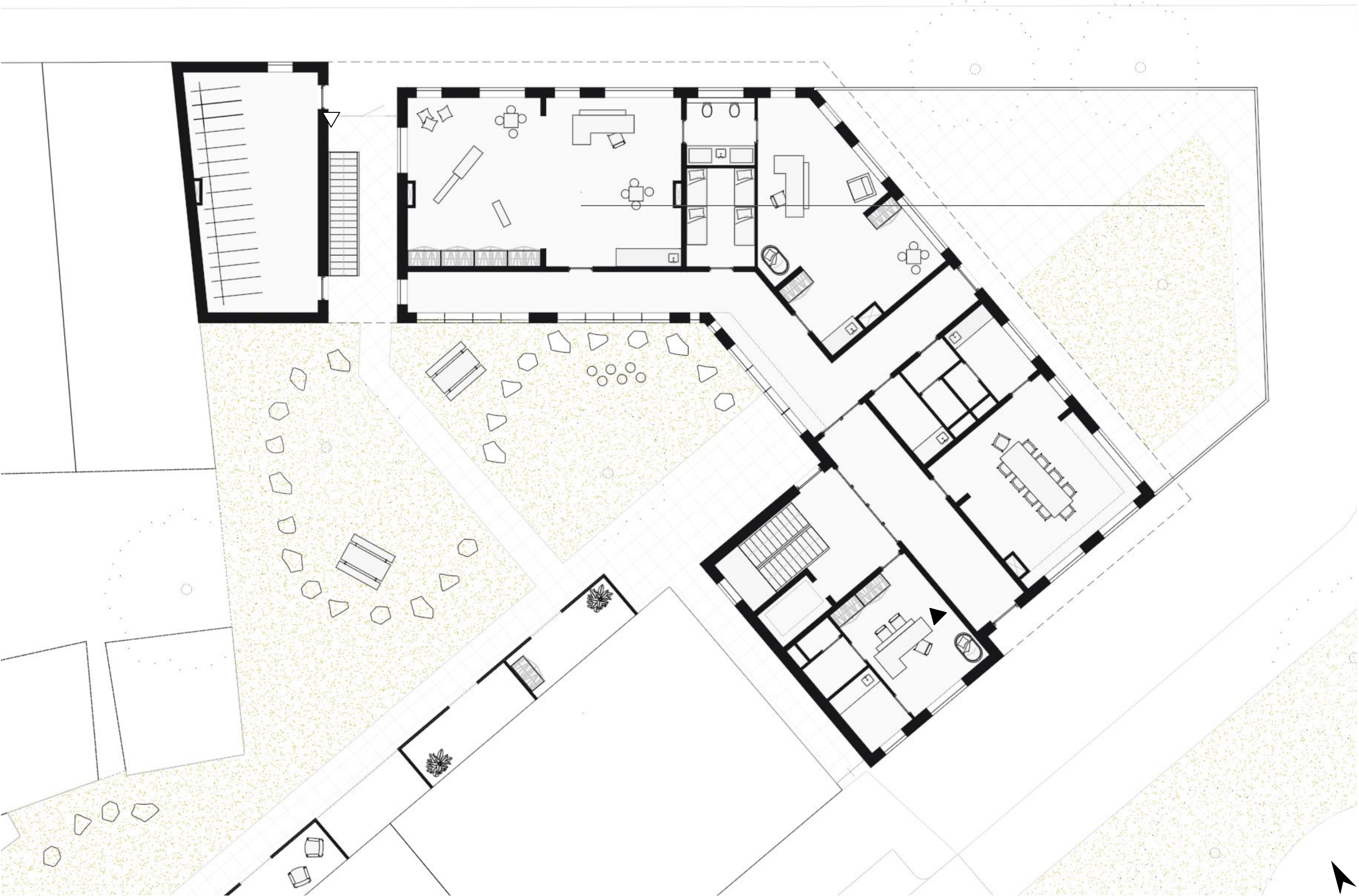


A mother's plan

Thank you for listening

drawings

Ground floor
floor plan



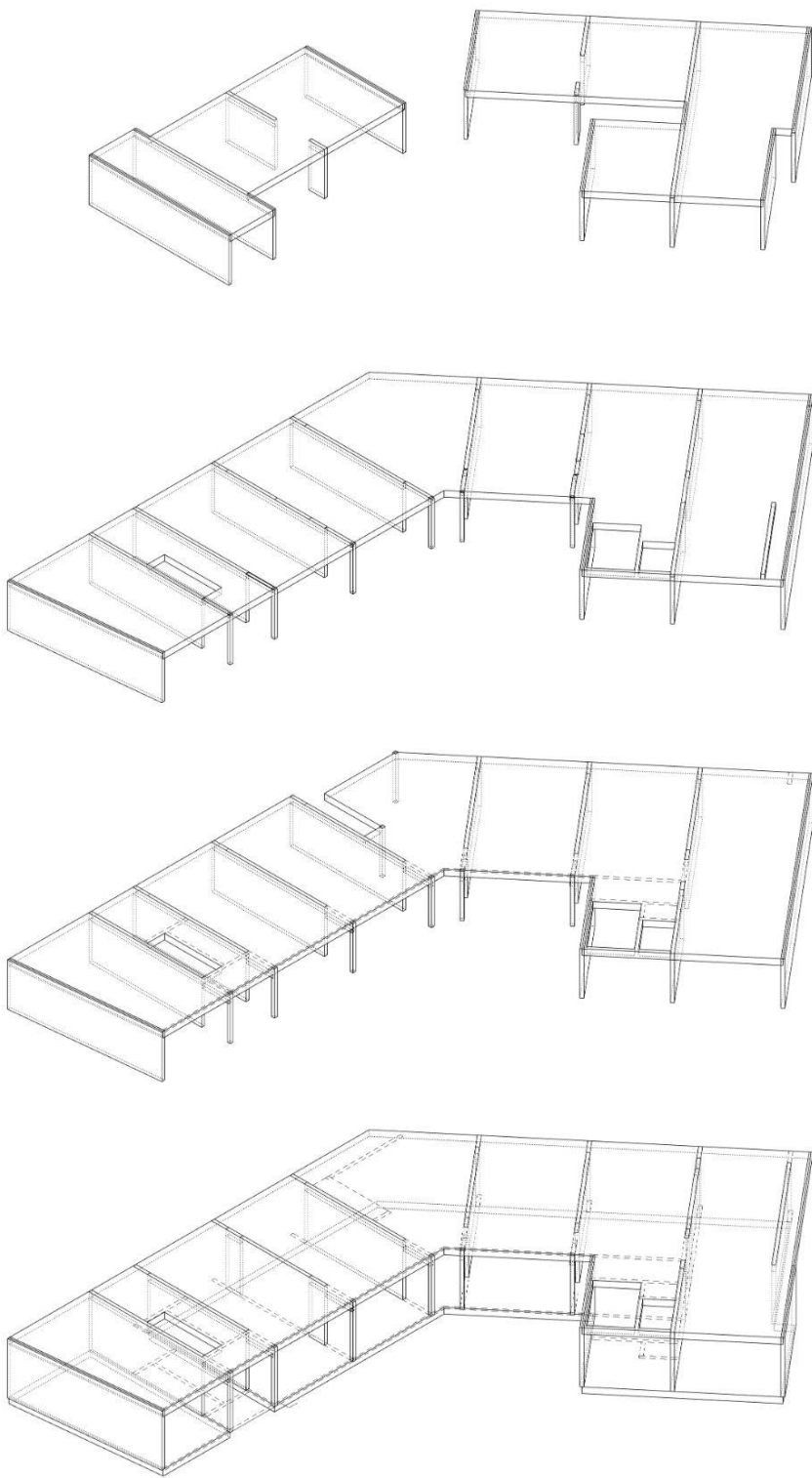
First/second floor
floor plan



Third floor
floor plan



Massing
Construction



Shear Wall Construction



CLT floors

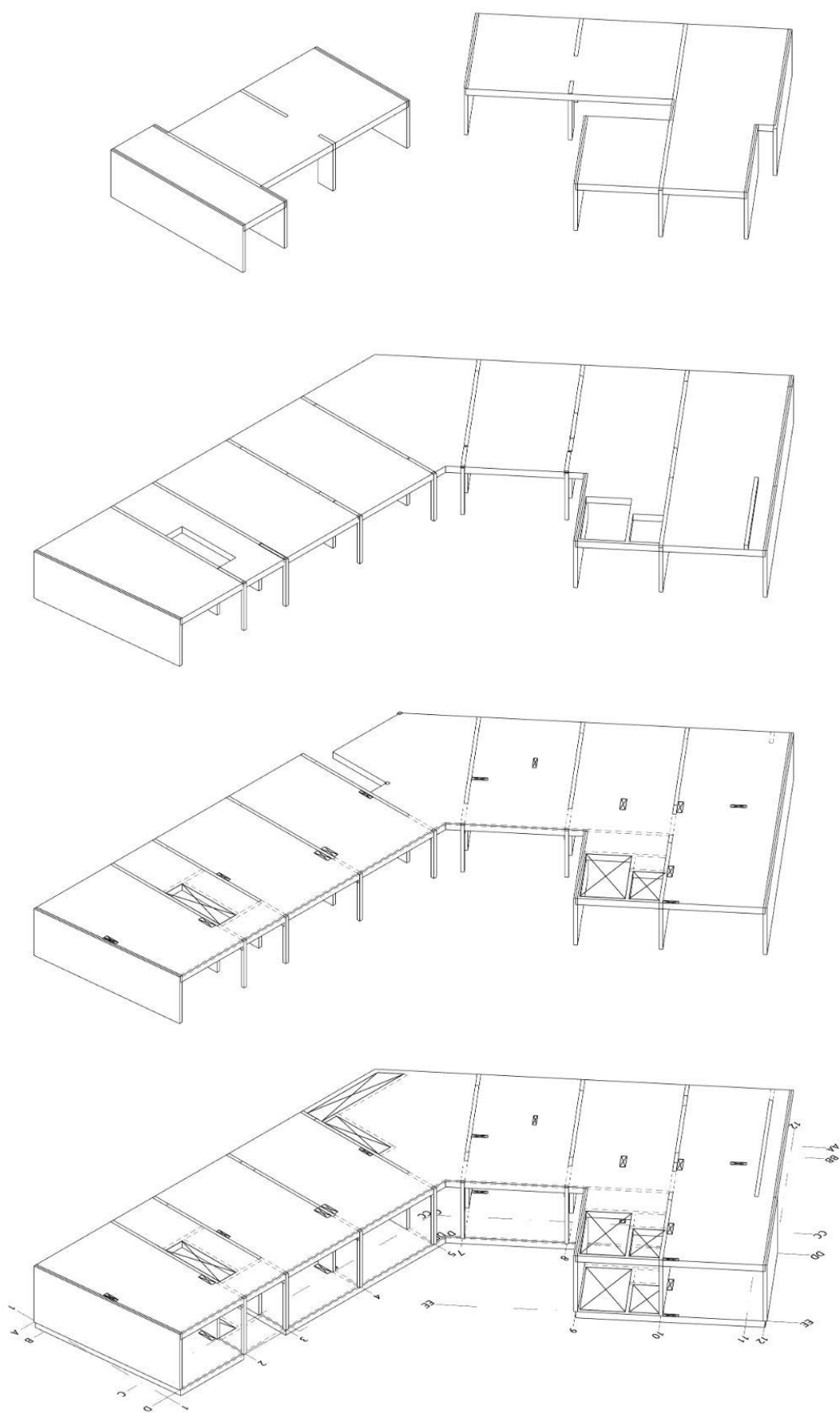


Concrete foundation



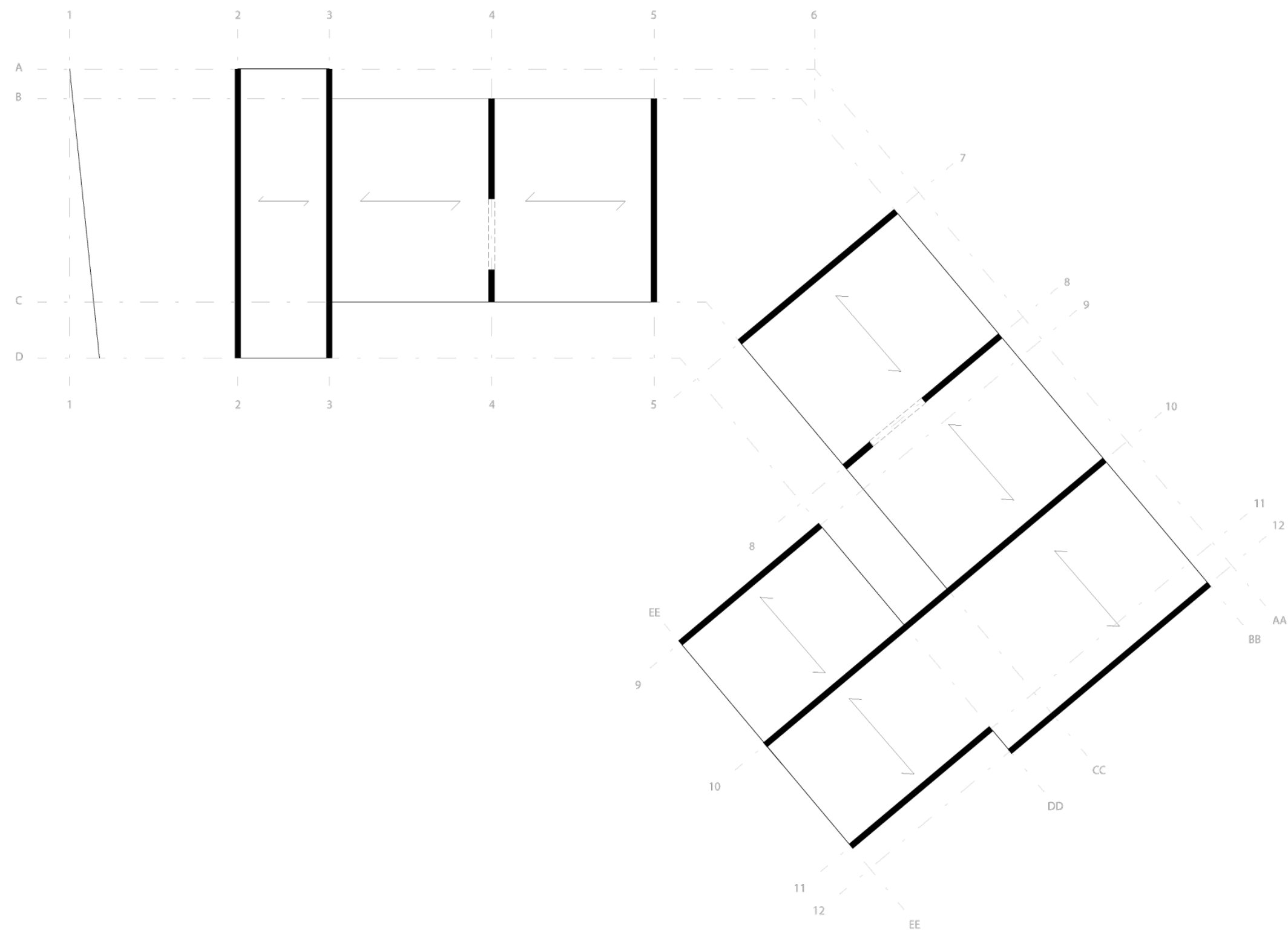
Timber beams

Structural axo
With shafts



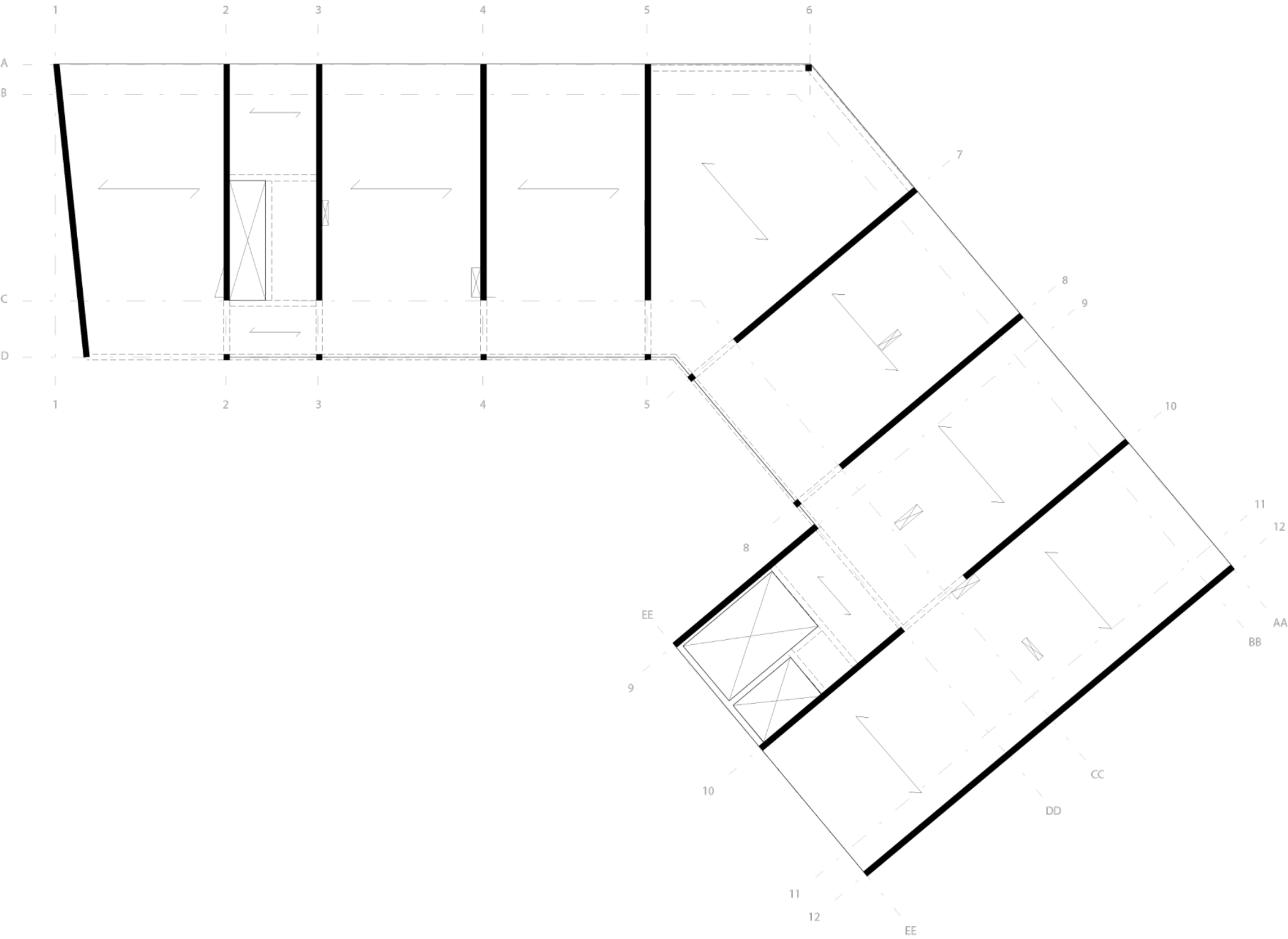
Structural floor plan

Third floor



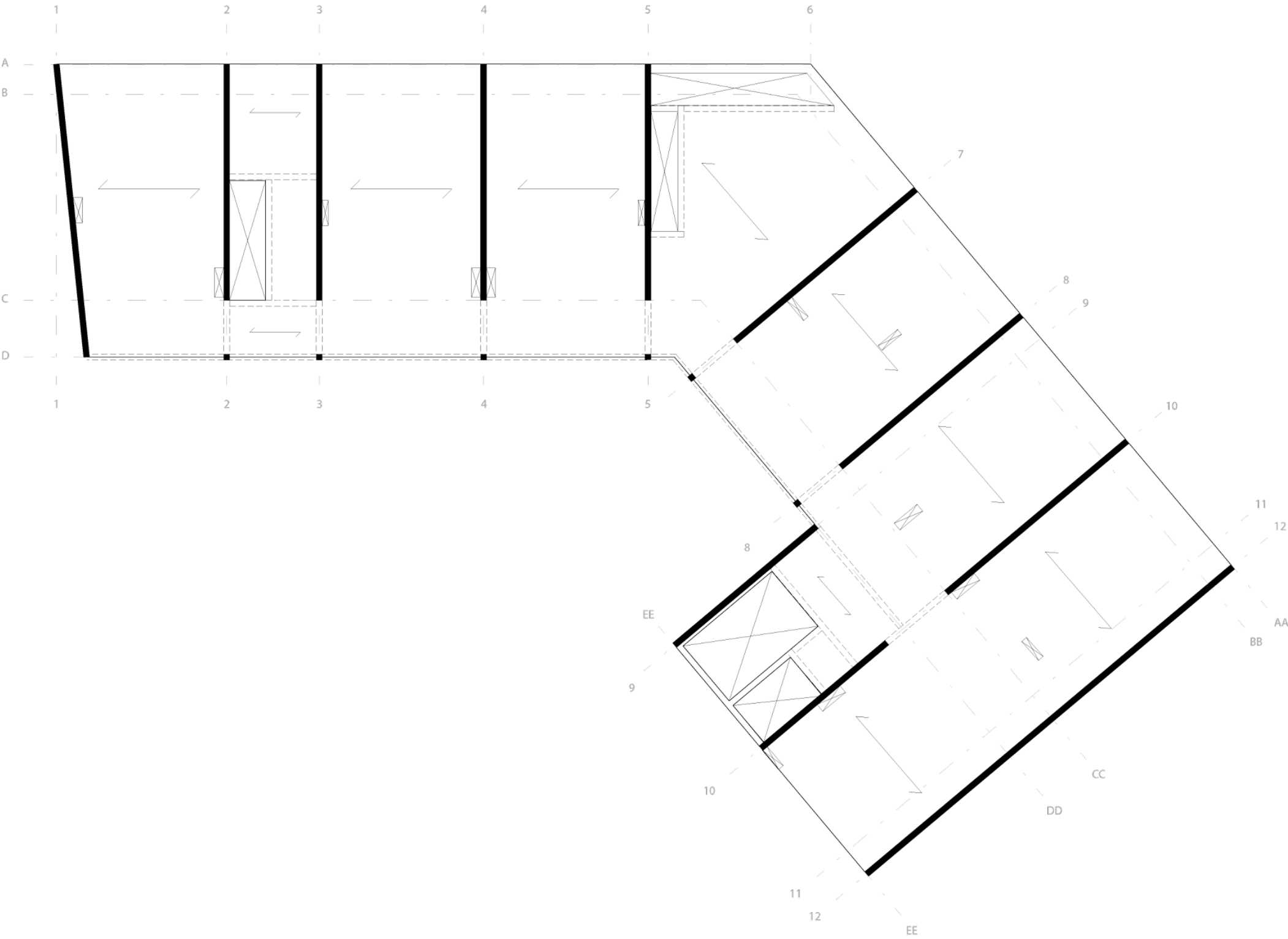
Structural floor plan

Second floor



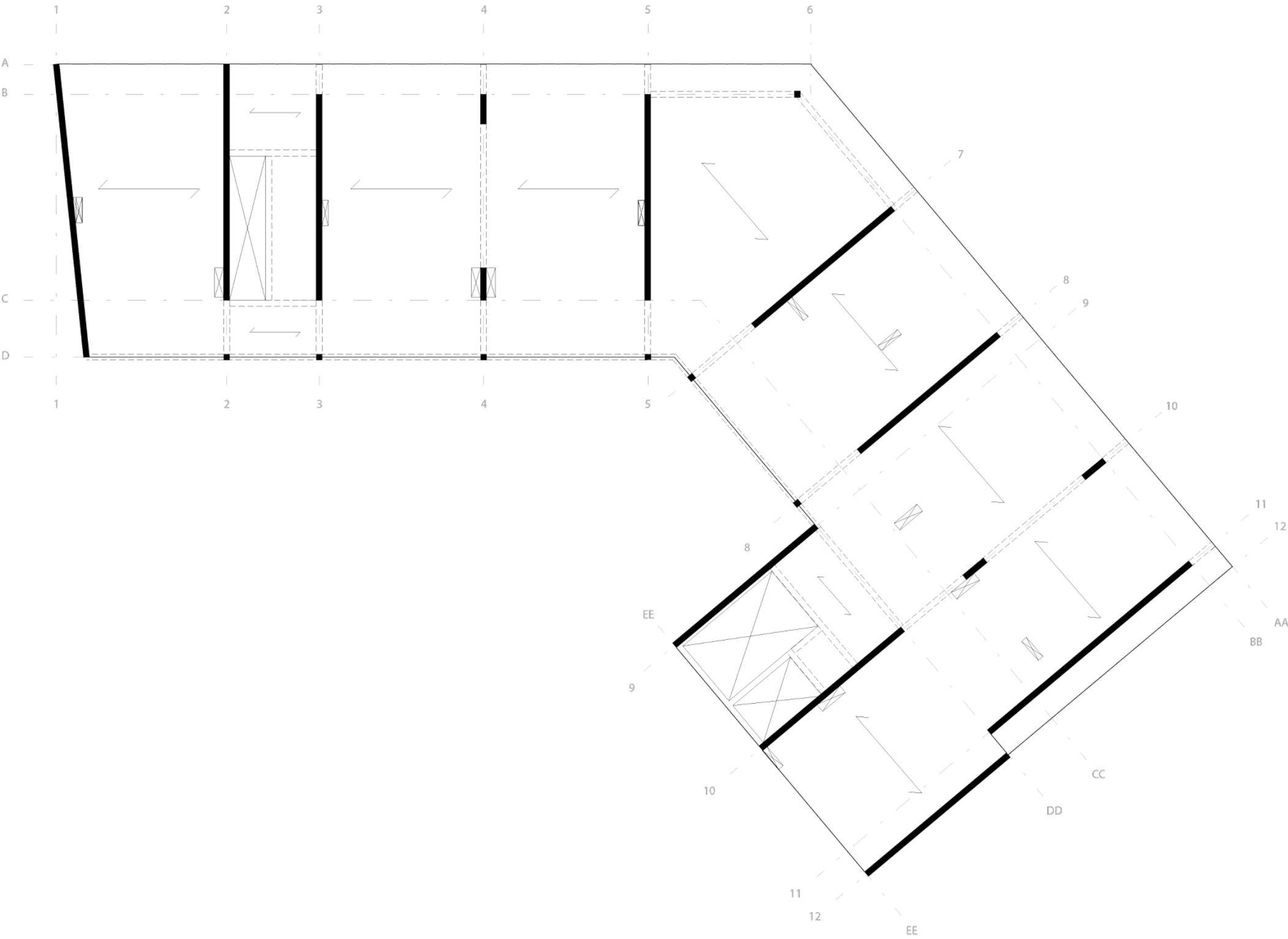
Structural floor plan

First floor

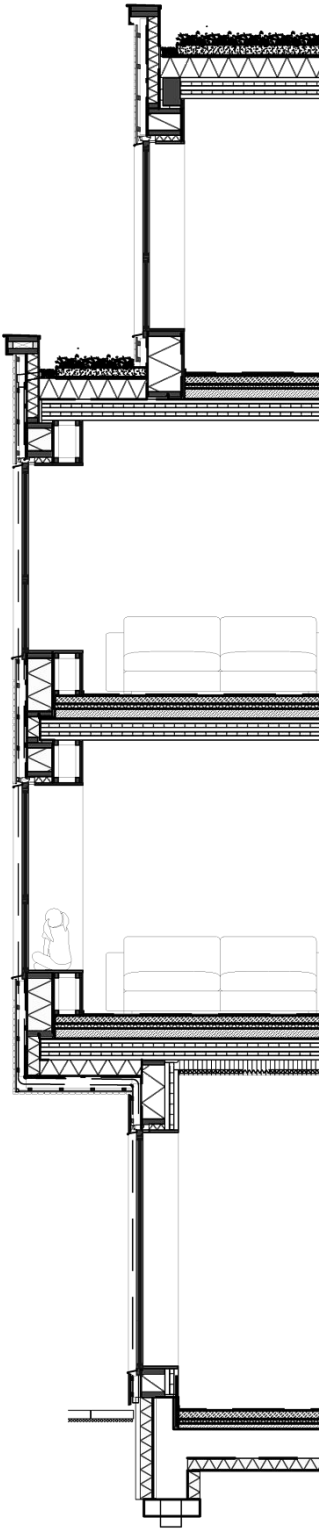
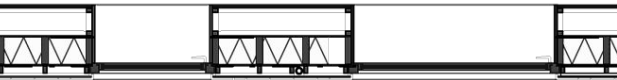
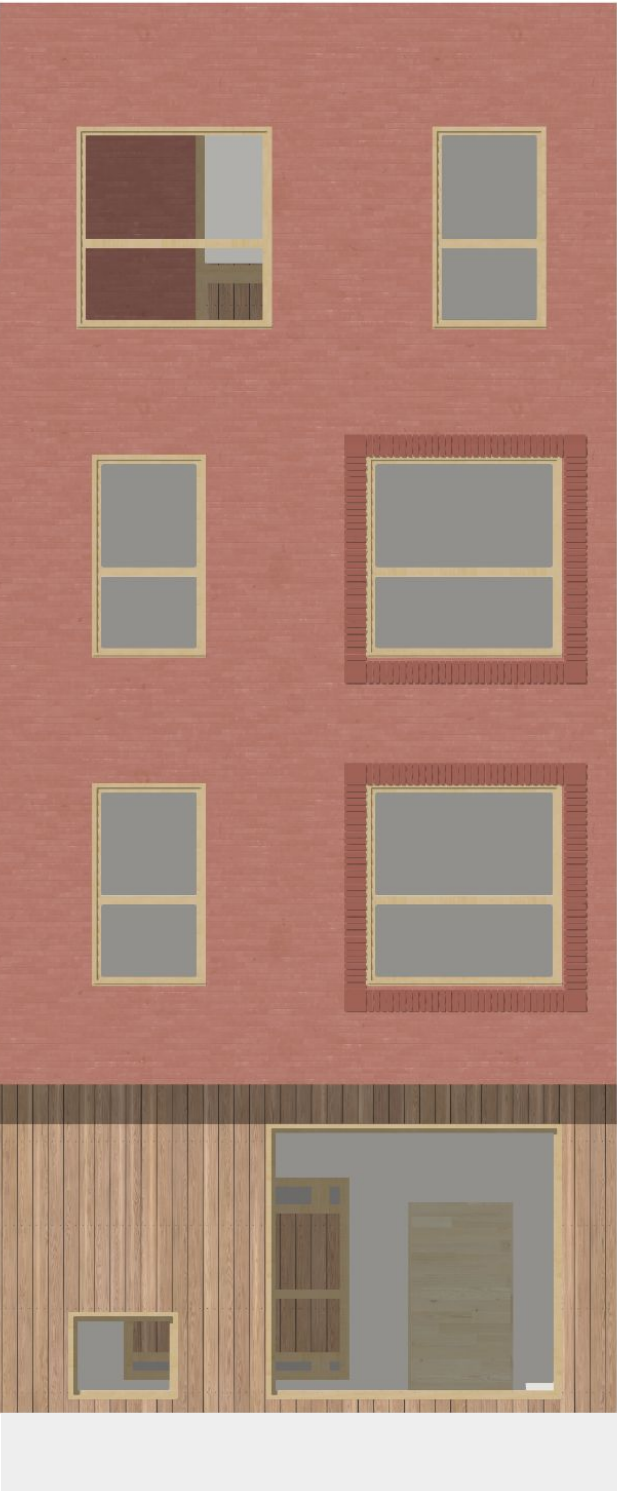
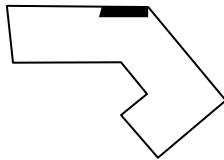


Structural floor plan

Ground floor



Facade
Fragment



Autonomy

Community

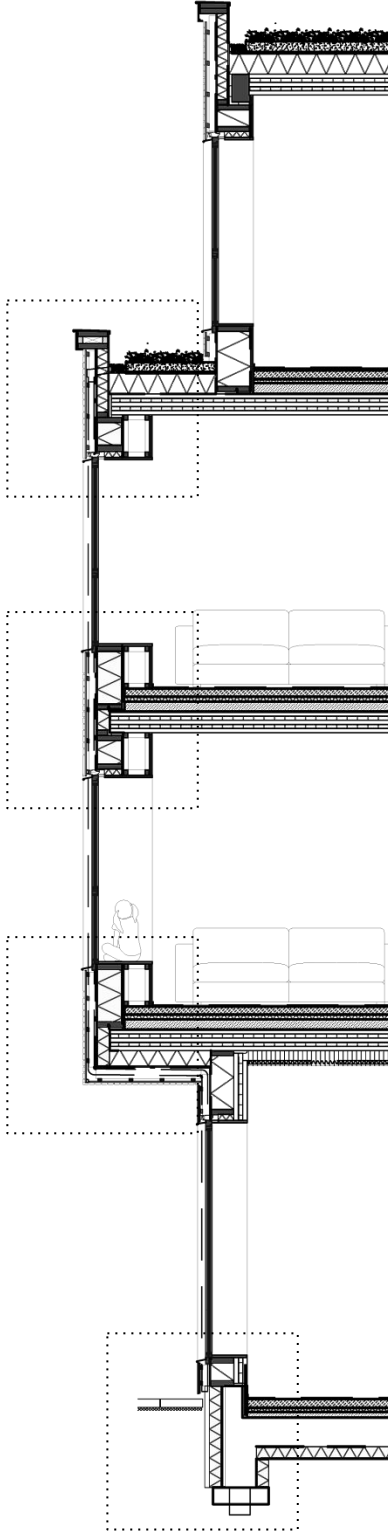
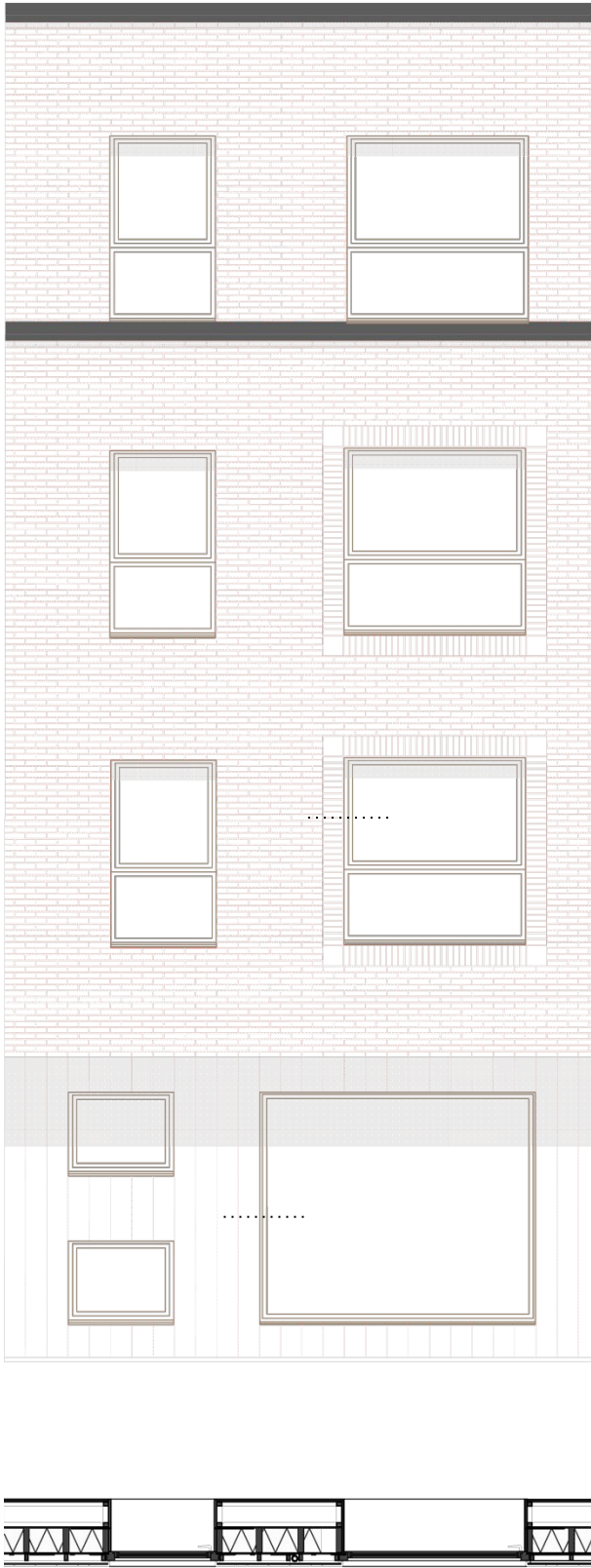
Homeliness

Empowerment

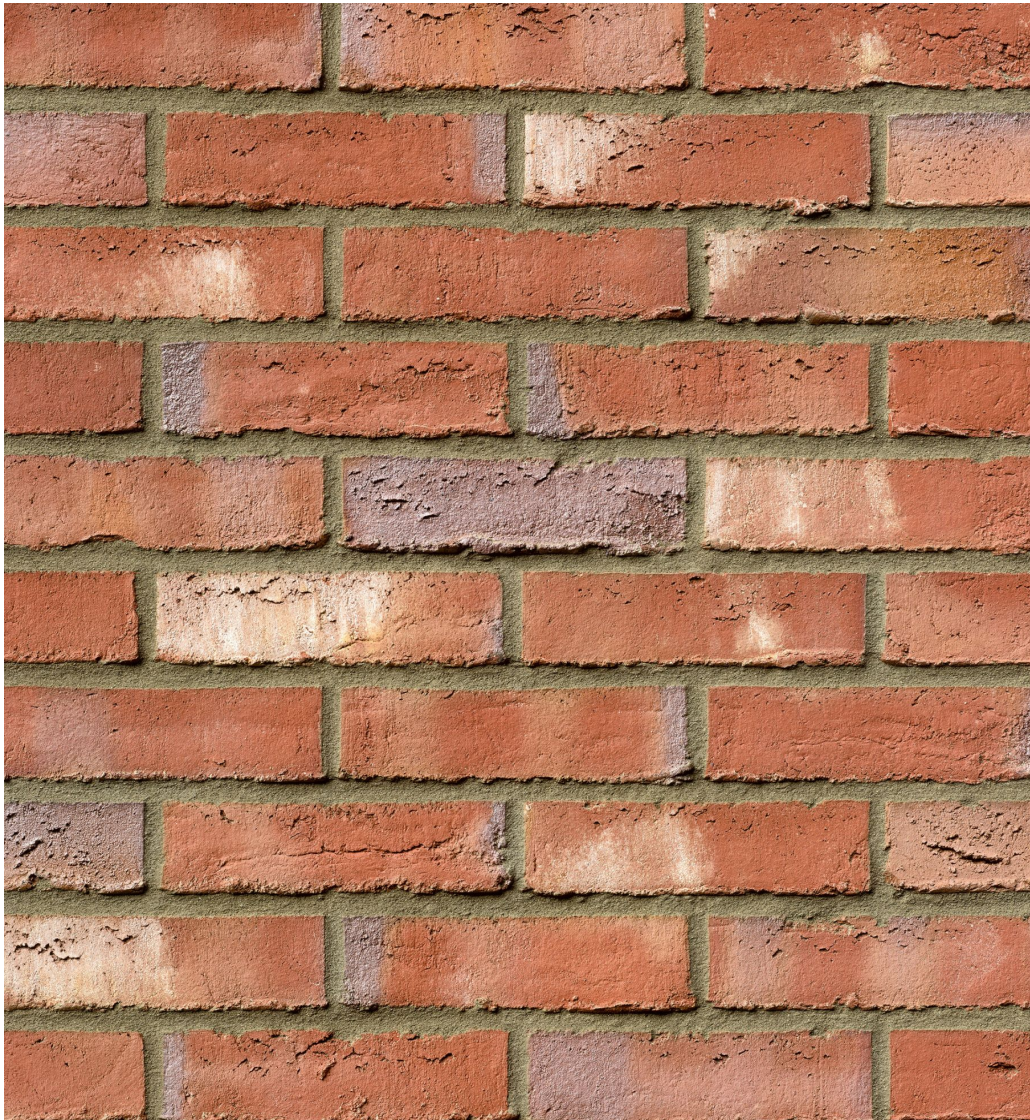
Efficiency

Detailing

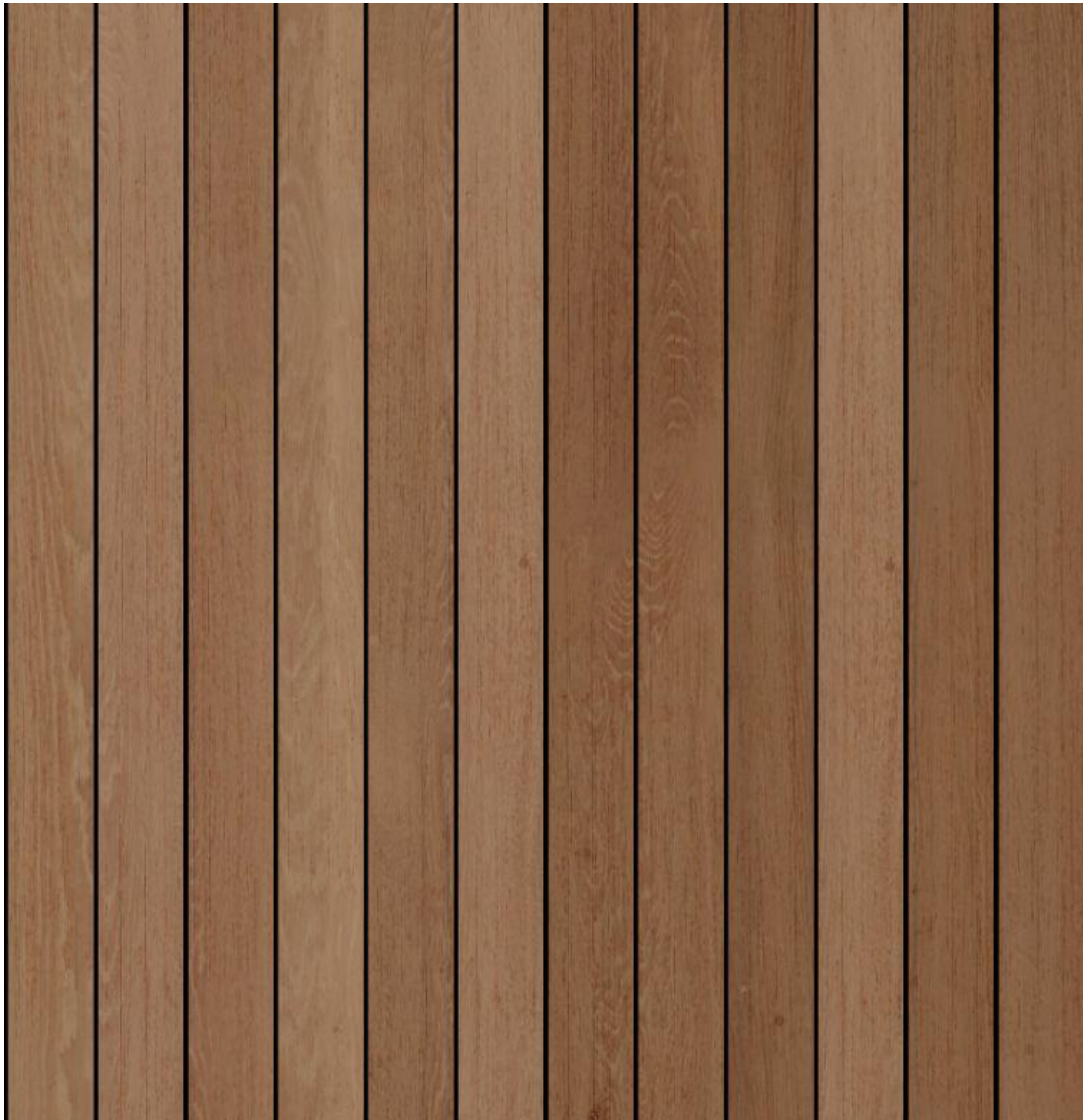
Facade fragment



Facades
materials



Outer facade: brick



Inner facade: vertical wooden slats

Autonomy

Community

Homeliness

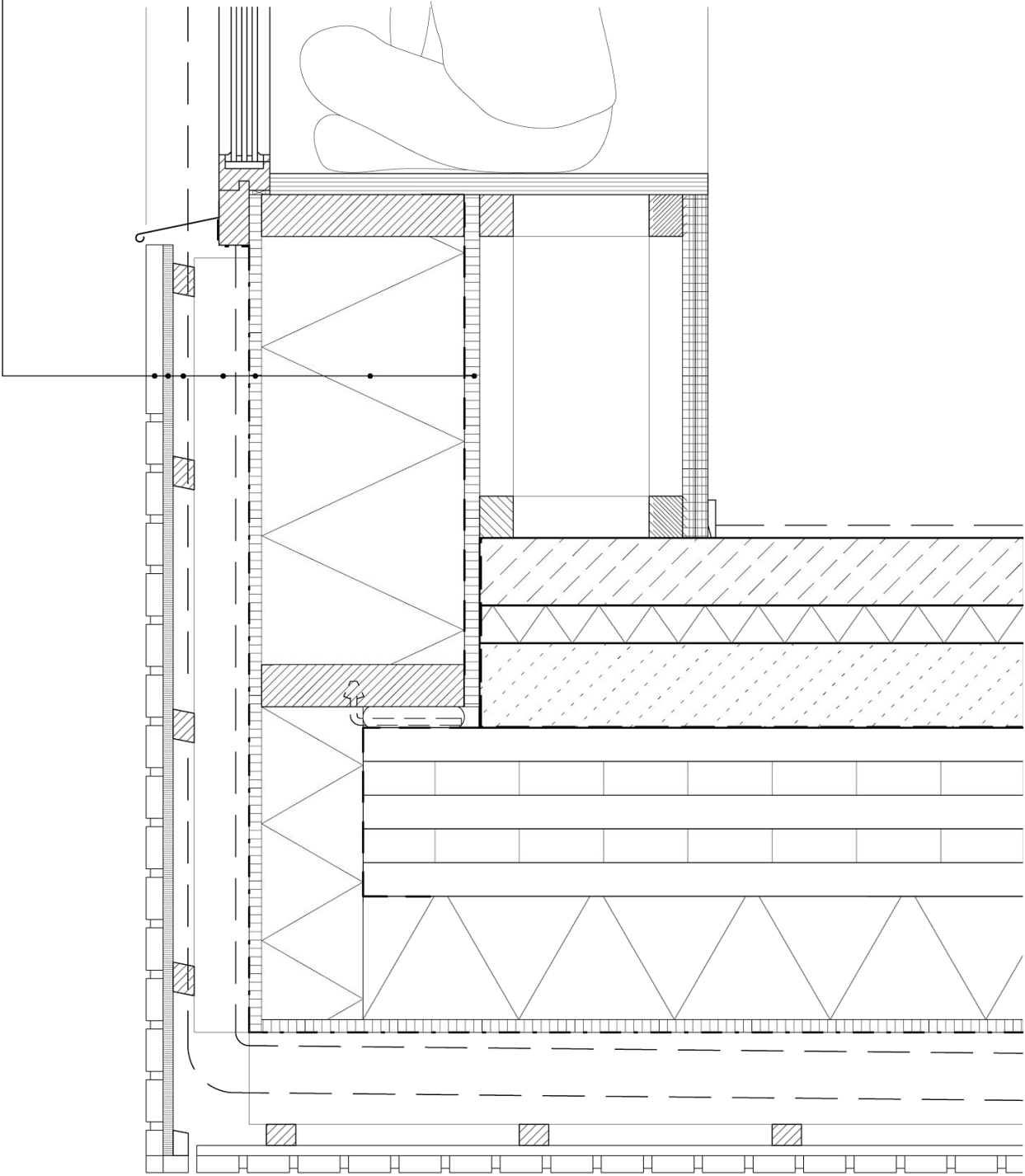
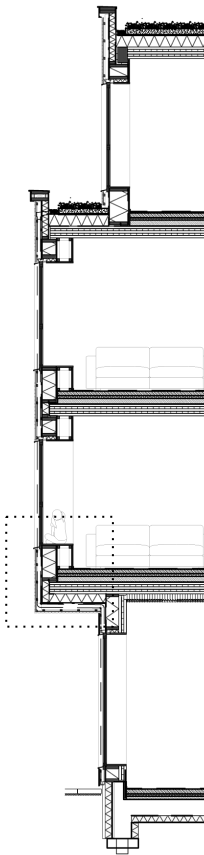
Empowerment

Efficiency

Detailing

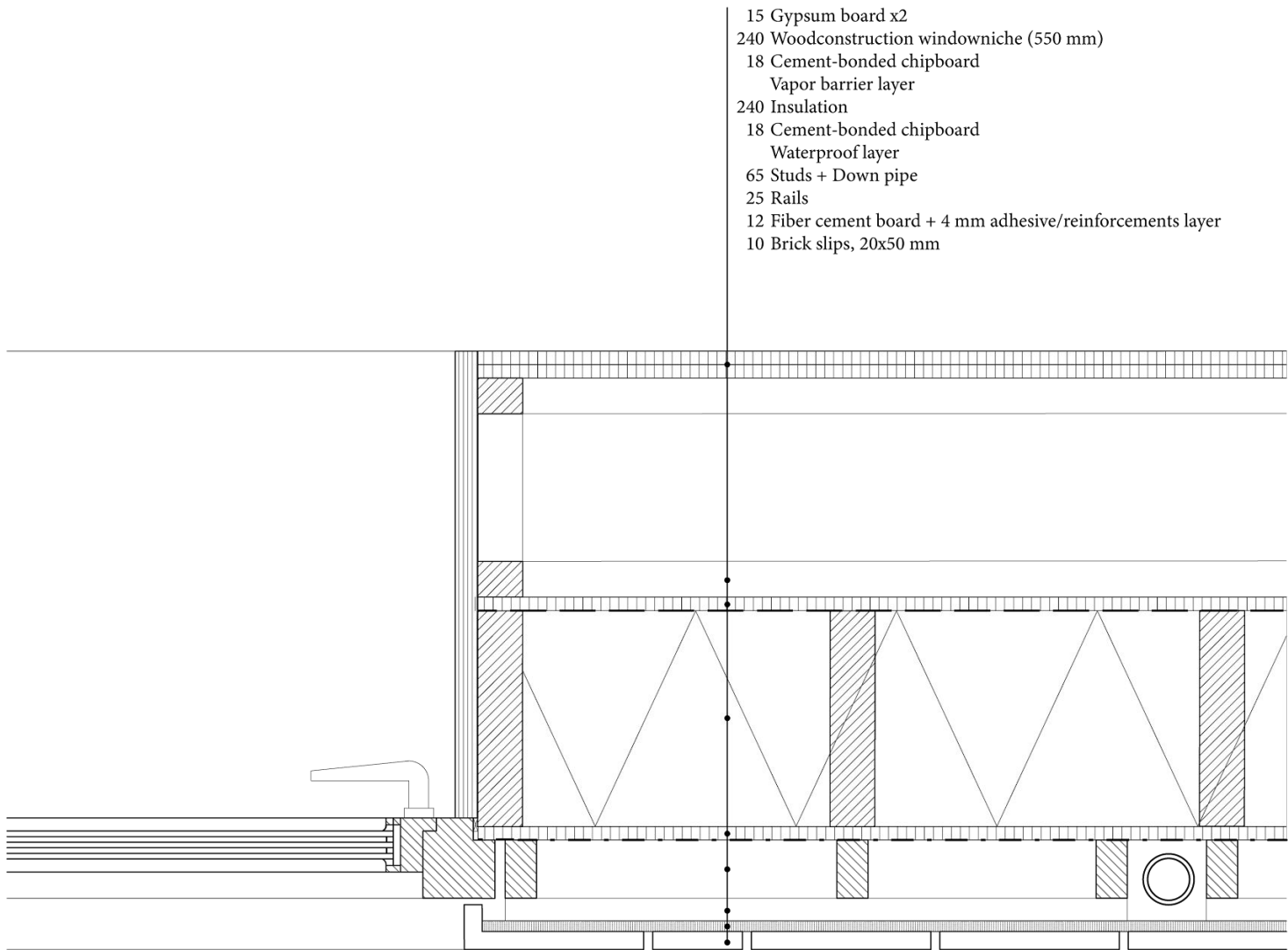
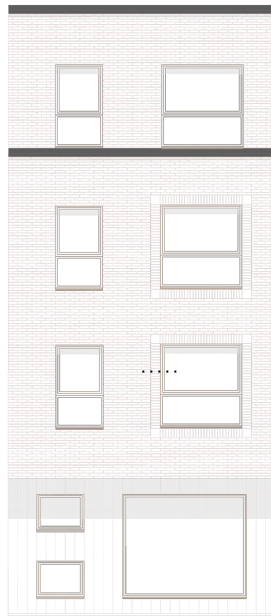
Cantilever

- 18 Cement-bonded chipboard
- Vapor barrier layer
- 240 Insulation
- 18 Cement-bonded chipboard
- Waterproof layer
- 65 Studs
- 25 Rails
- 12 Fiber cement board + 4 mm adhesive/reinforcements layer
- 10 Brick slips 20 x 50



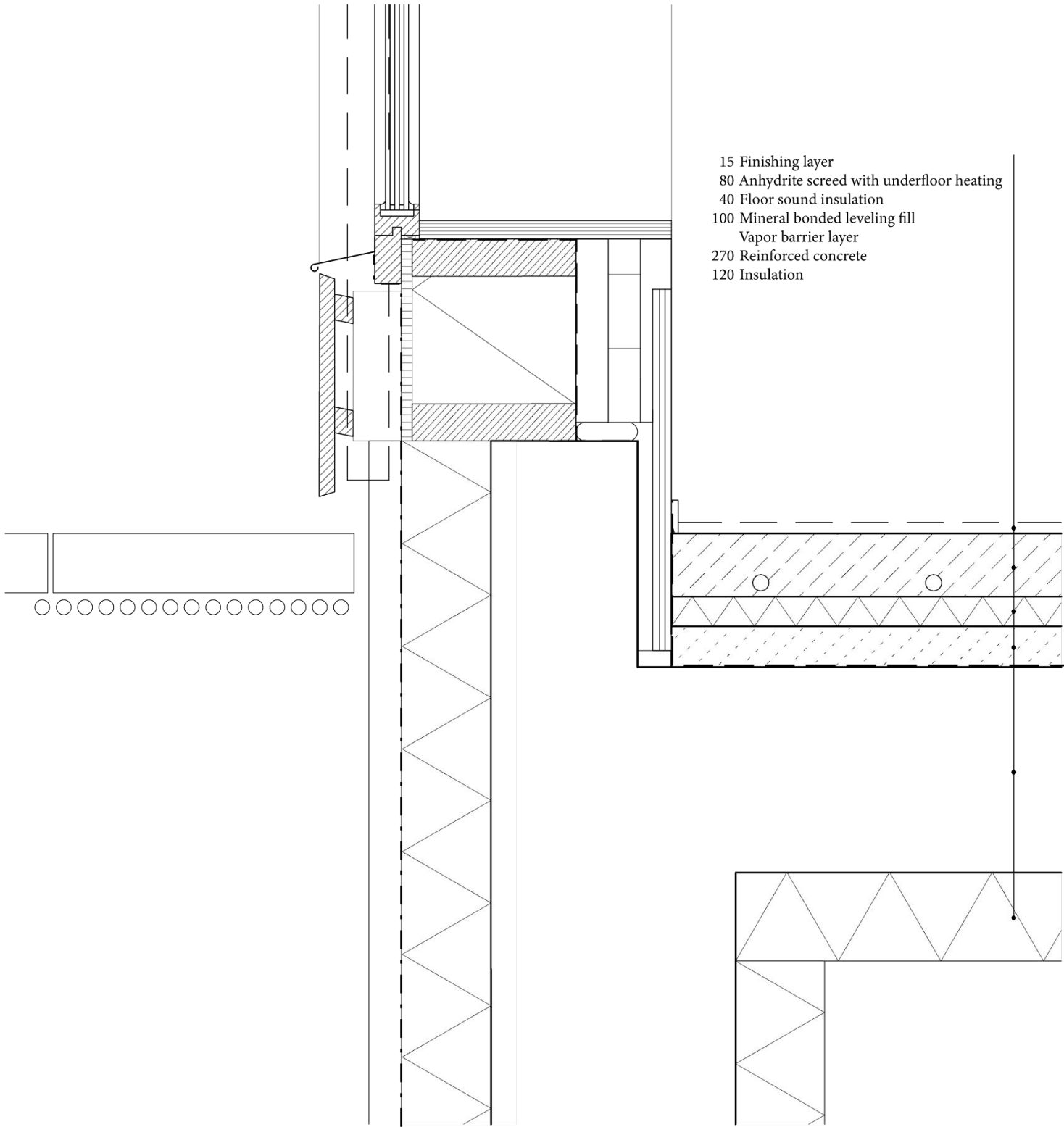
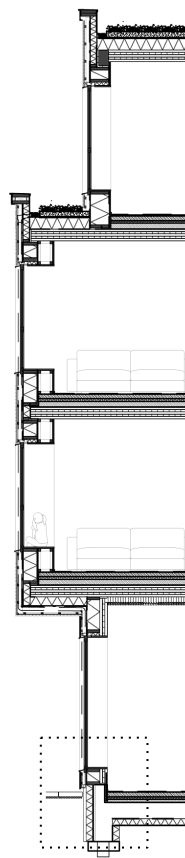
Detailing

Second floor



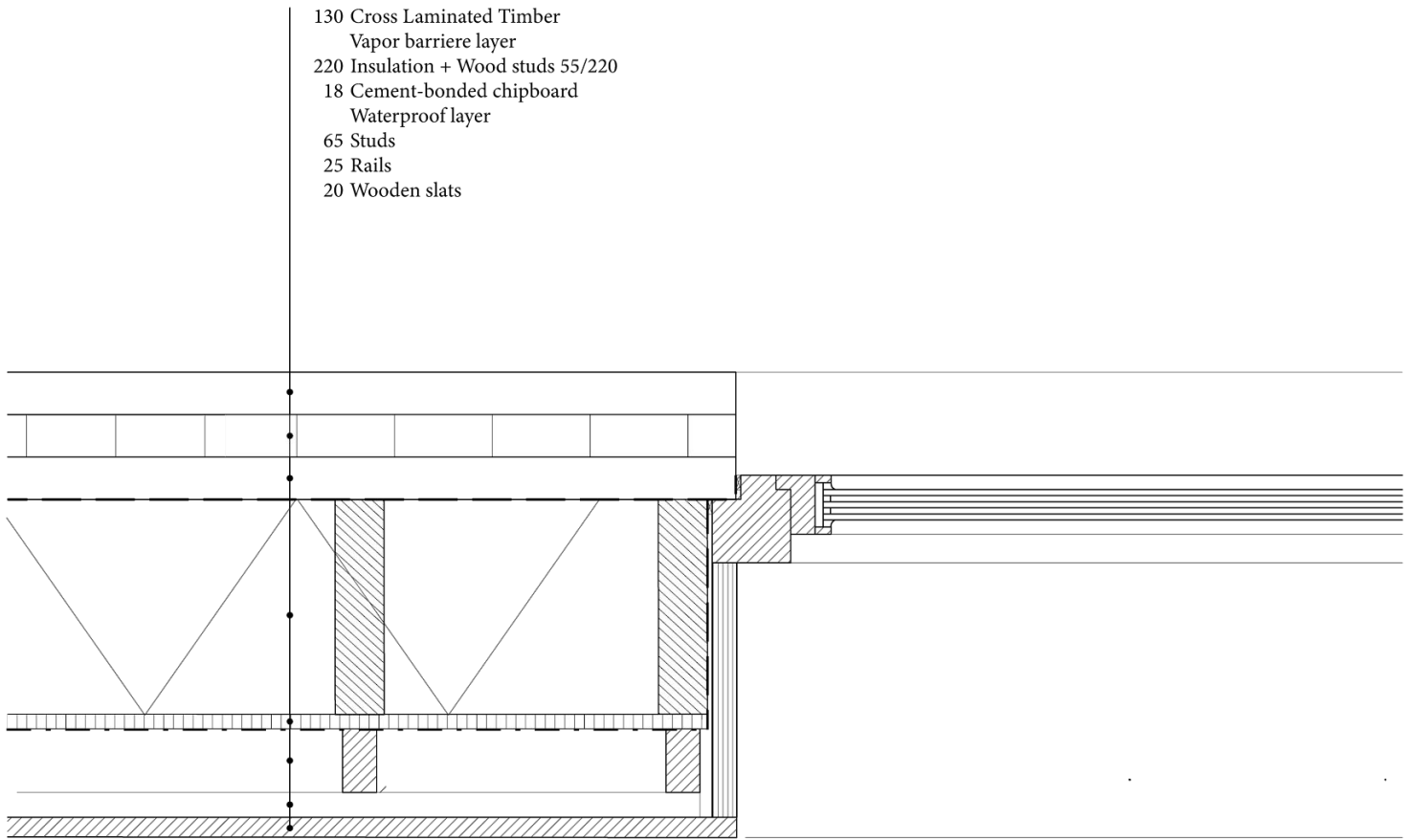
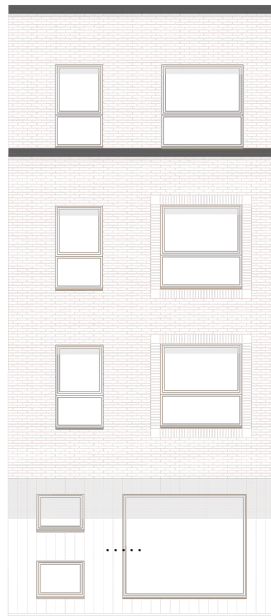
Ground floor

detailing

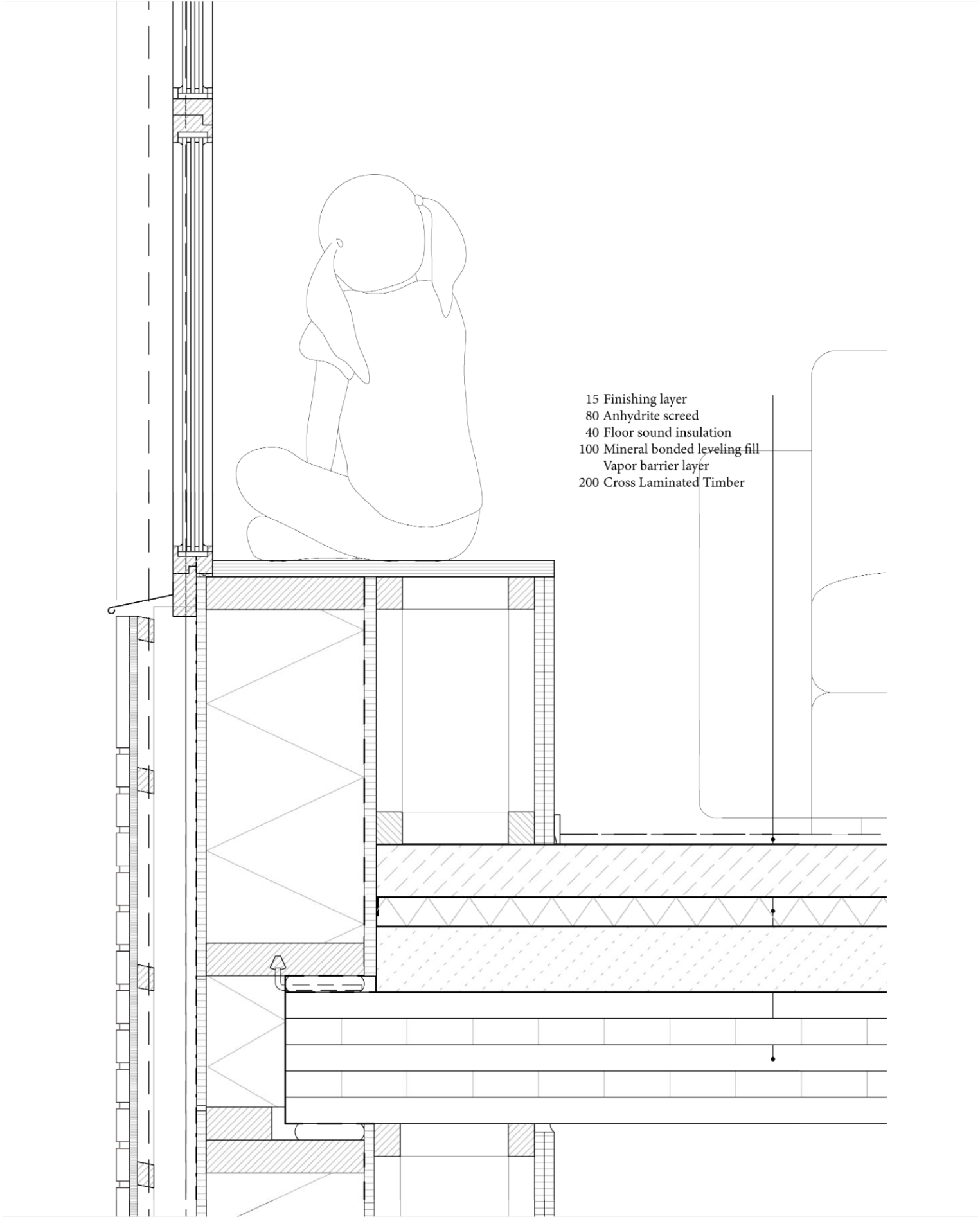
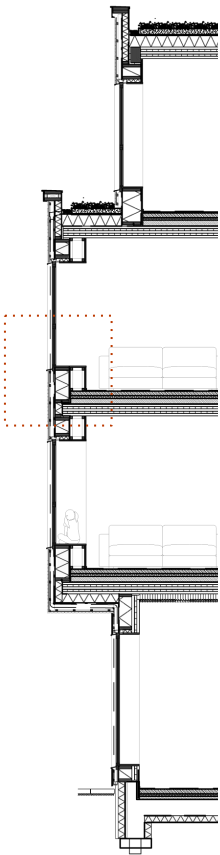


Detailing

Ground floor

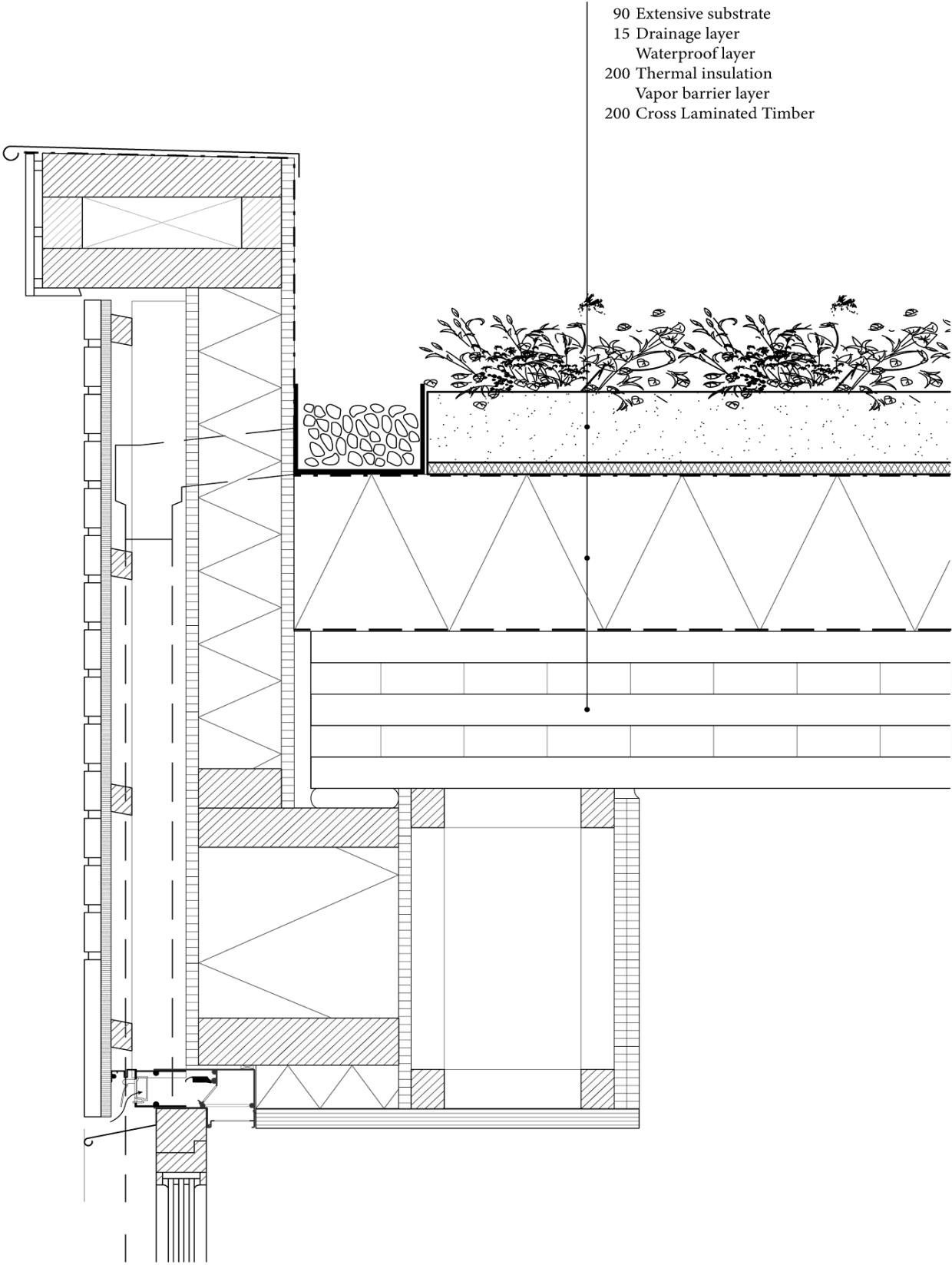
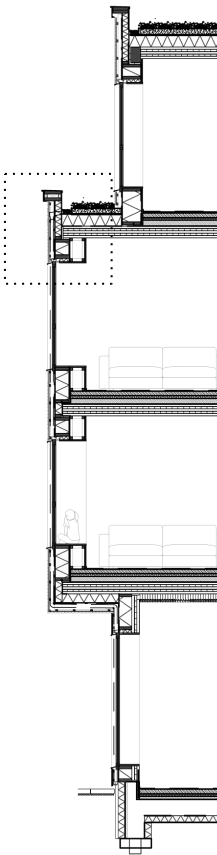


Detailing
Window



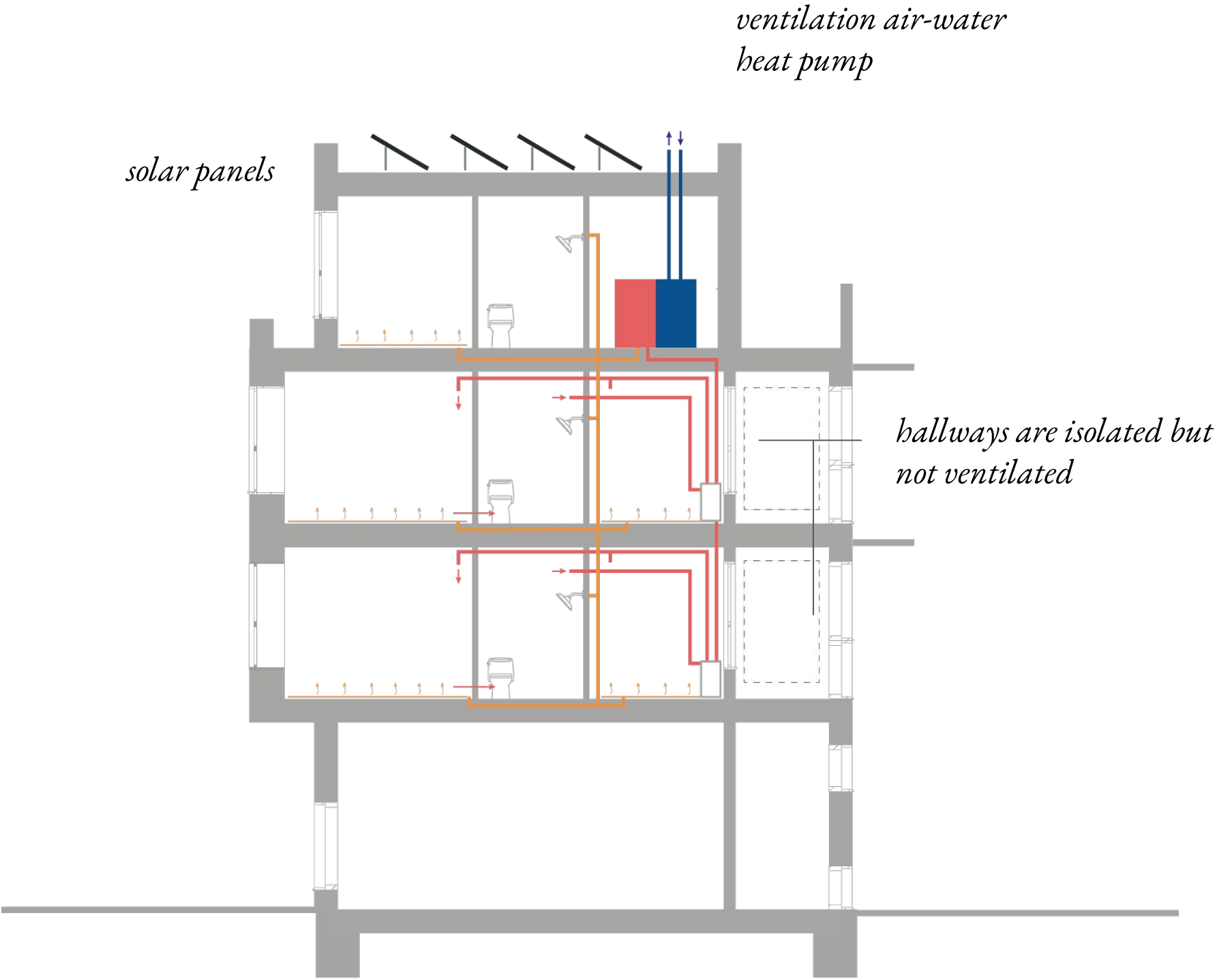
Detailing

Roof



- 90 Extensive substrate
- 15 Drainage layer
- Waterproof layer
- 200 Thermal insulation
- Vapor barrier layer
- 200 Cross Laminated Timber

Climate concept
ventilation and heating



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