

Between standards and ideals

THE FUTURE OF HOUSING IN THE NETHERLANDS

Dutch housing graduation studio
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Modern families in Amsterdam

'Speeltuin voor jong en ouder'

Dutch housing graduation studio

Assignment

- Researching new ideas for the built environment
- Design for the application of these ideals
- Project site: Haven-Stad Amsterdam
- Design and research are the graduation assignment for the Dutch housing graduation studio



Haven-Stad Amsterdam | Gemeente Amsterdam

Dutch housing graduation studio

Assignment

- Problem statement
- Target group
- Research
- Design

Problem statement

Families leaving the city

Veel jonge gezinnen verlaten de grote stad

7-11-2017 02:00



Veel jonge gezinnen verlaten de grote stad | CBS

Gezinnen met jonge kinderen verlaten Amsterdam

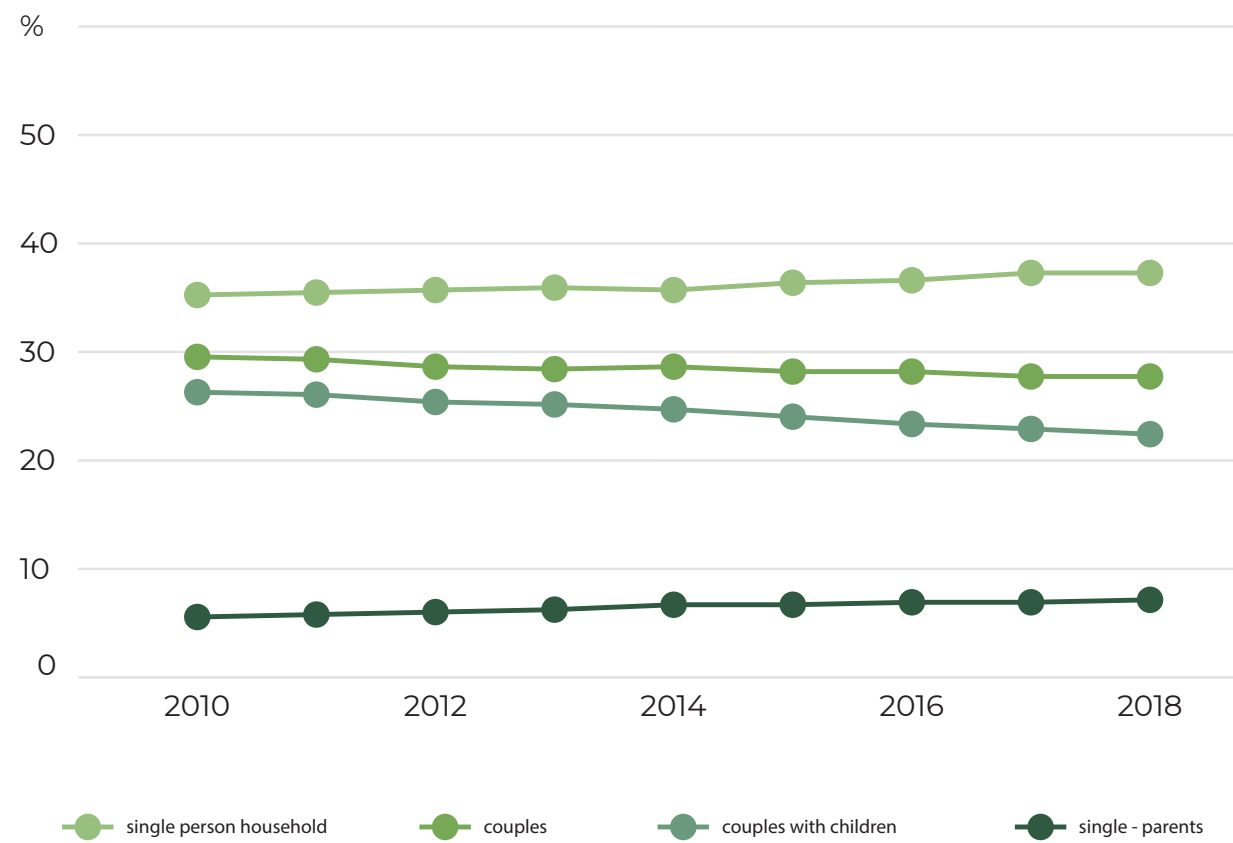


Gezinnen met jonge kinderen verlaten Amsterdam | Het Parool

Problem statement

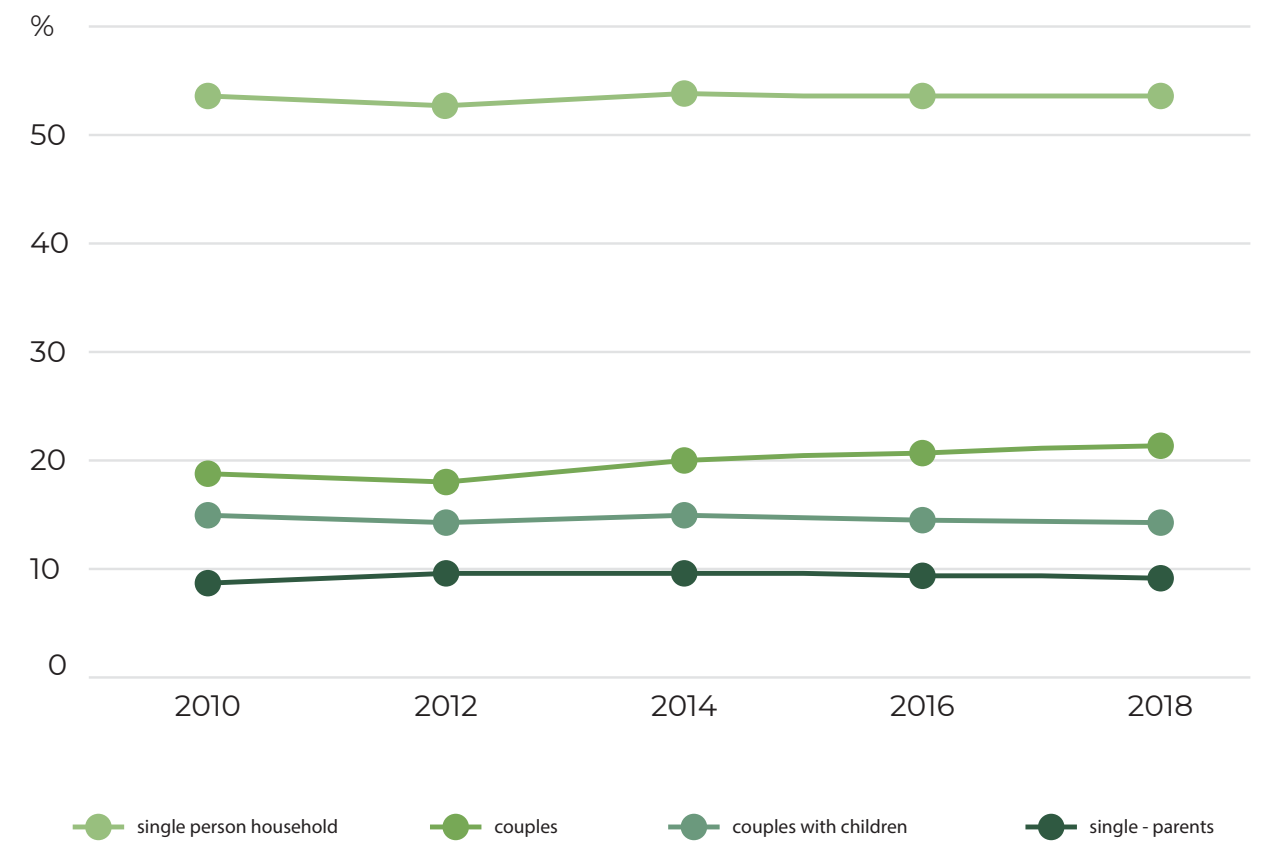
Families leaving the city

Household composition the Netherlands



Huishoudens samenstelling | CBS

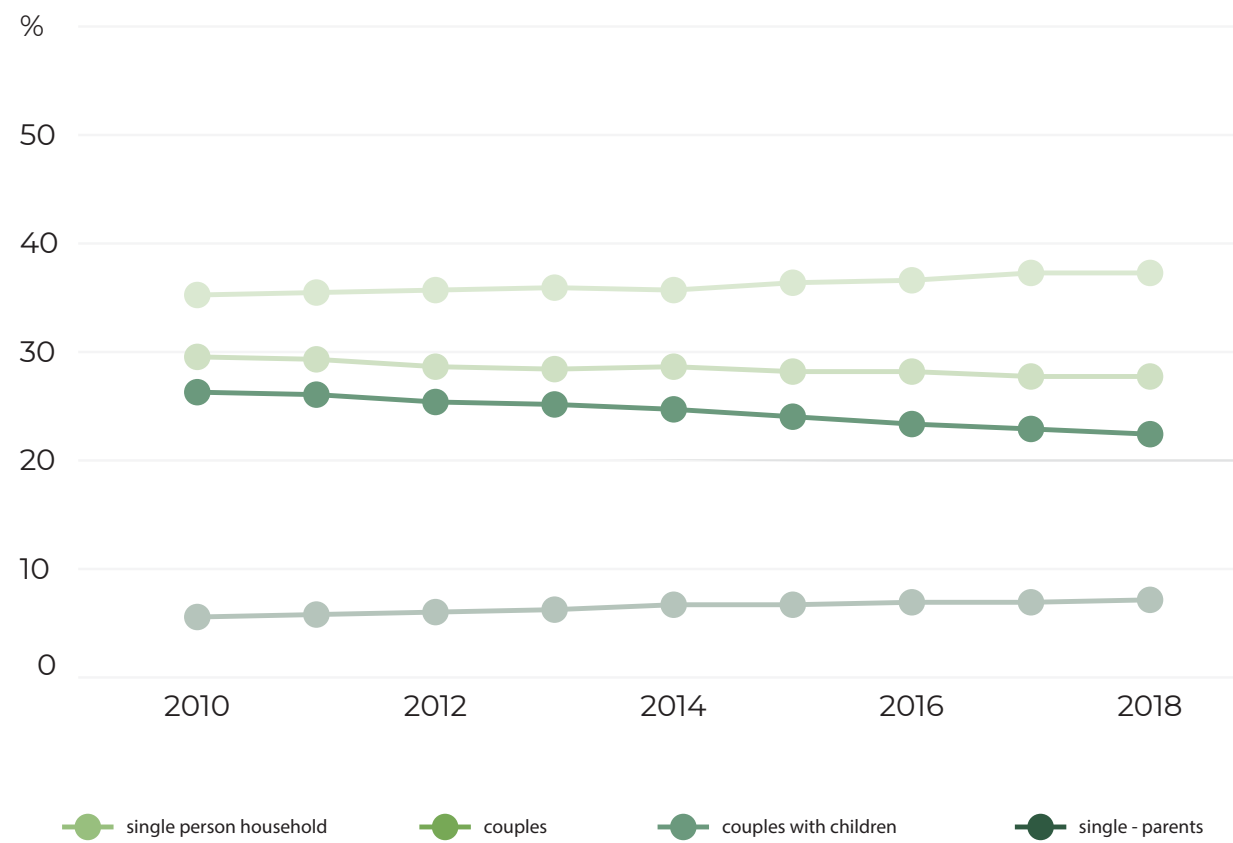
Household composition Amsterdam



Problem statement

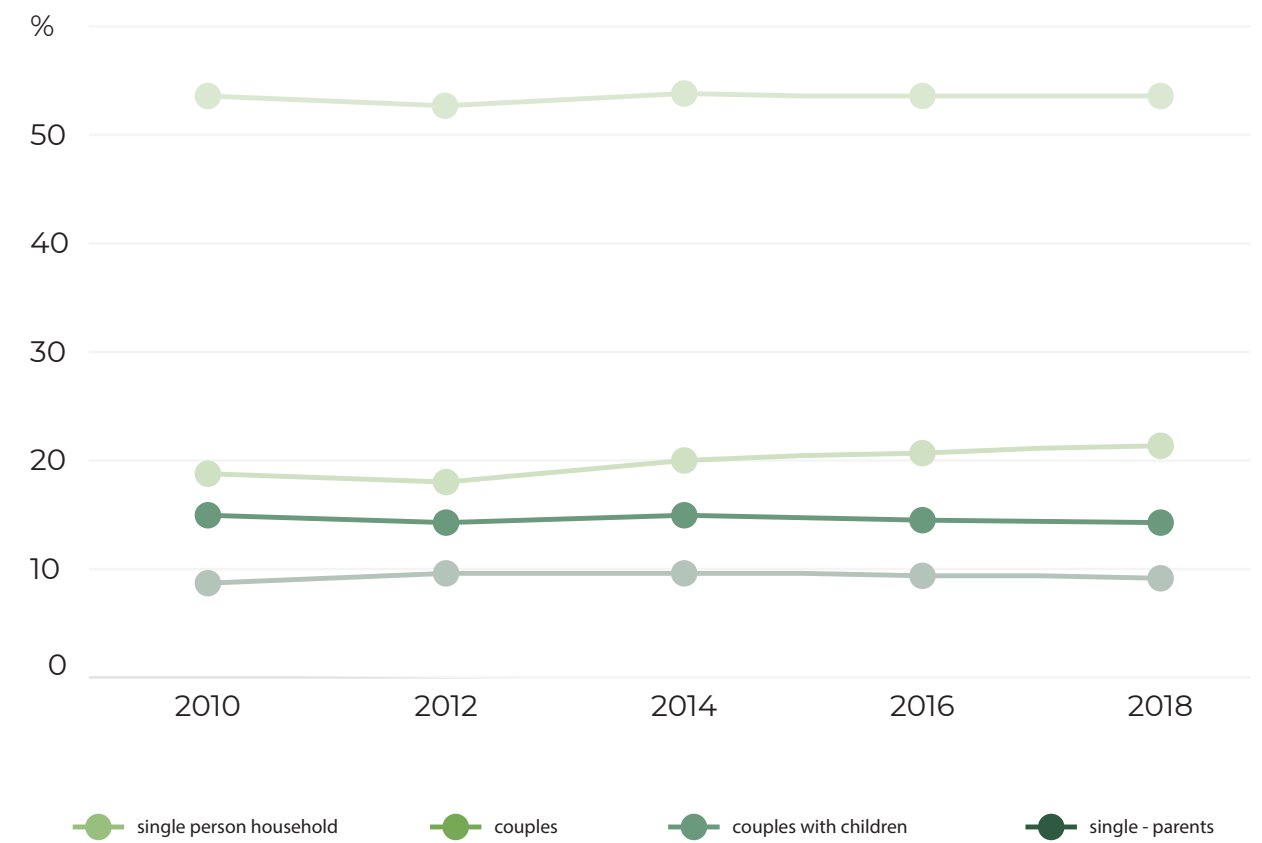
Families leaving the city

Household composition the Netherlands



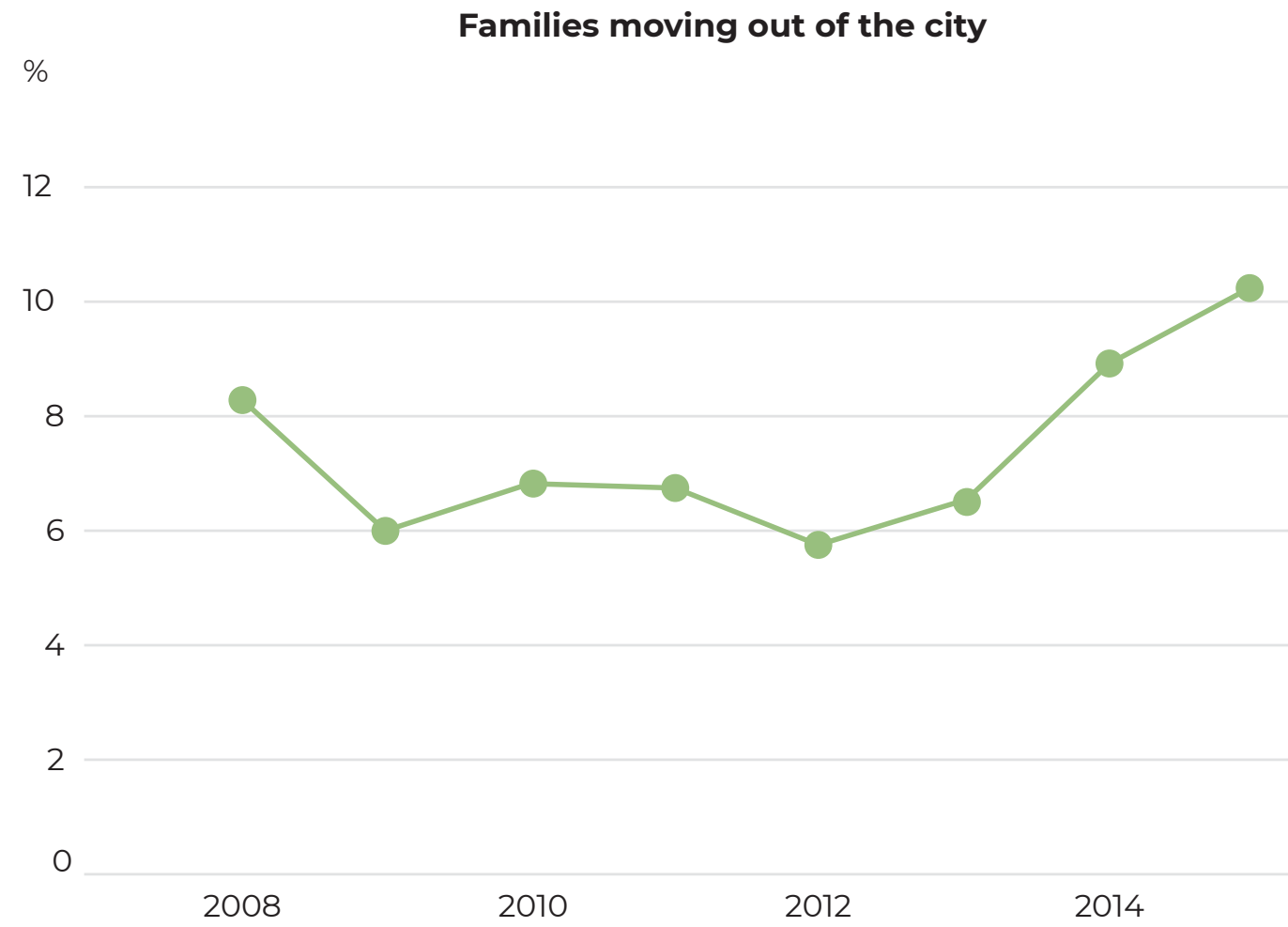
Huishoudens samenstelling | CBS

Household composition Amsterdam



Problem statement

Families leaving the city



Aandeel gezinnen dat Amsterdam verlaat | CBS

Problem statement

What is the definition of family?

Bijna 1 op de 10 baby's wordt geboren in eenoudergezin

24-12-2018 00:00



Bijna 1 op de 10 baby's wordt geboren in eenoudergezin | CBS

Steeds meer kinderen niet bij 2 eigen ouders

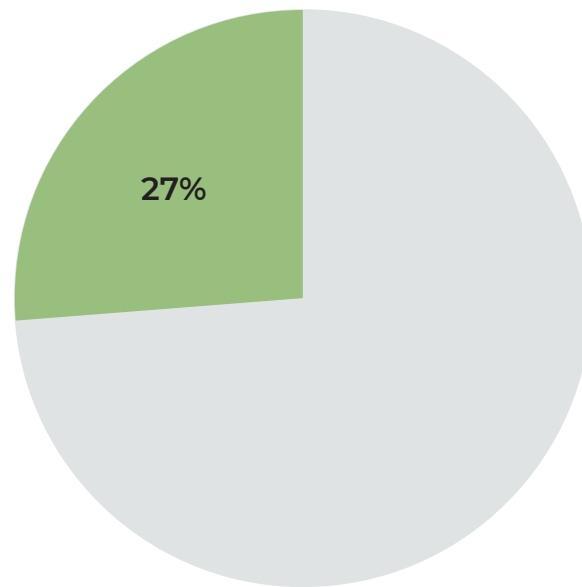


Steeds meer kinderen niet bij 2 eigen ouders | Het Parool

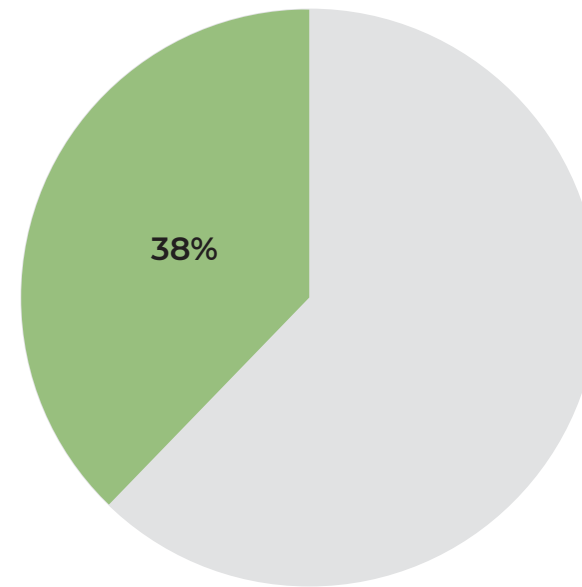
Problem statement

What is the definition of family?

Gezinnen in Amsterdam



Eenoudergezinnen in Amsterdam



'Het gezin in de stad' (2010) | Heren5 architecten

Problem statement

Why keep families in the city?



Economic value



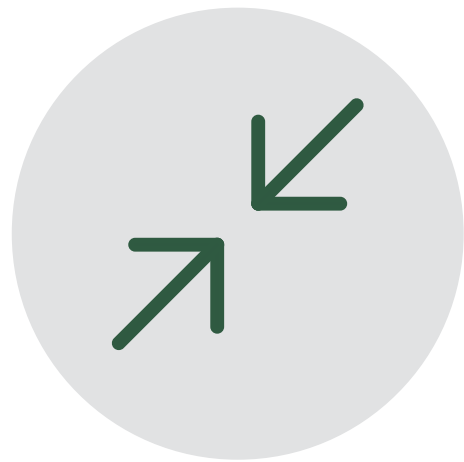
Social security

Problem statement

Why do families leave the city?



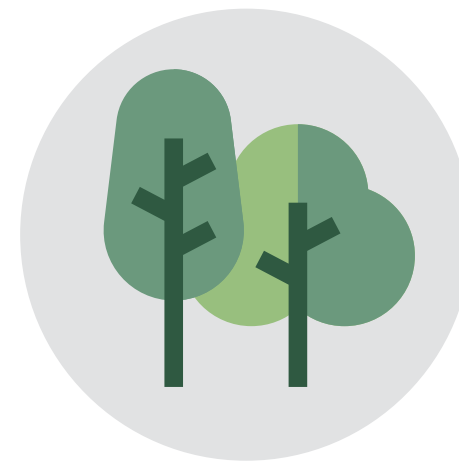
affordability



size



safety



lacking
outdoor space



heavy traffic

Problem statement

Why do families want to live in the city?

Sociale binding

Functionele binding

Symbolische binding

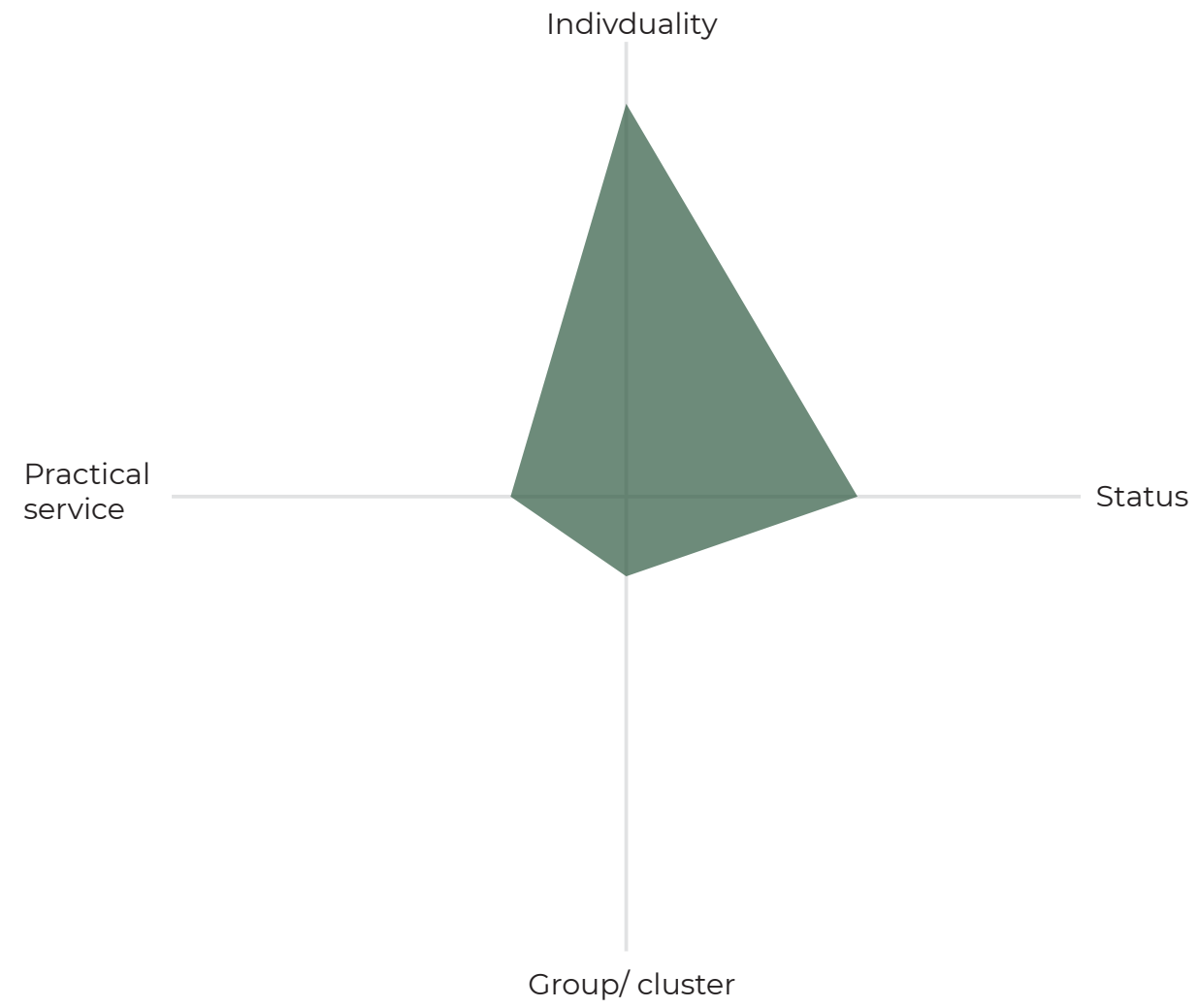
Problem statement

Traditional family



Problem statement

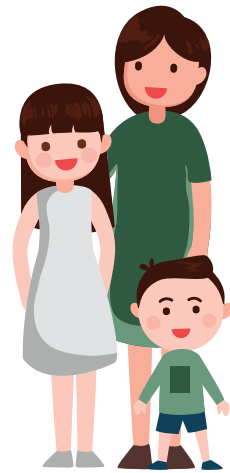
Traditional family



Family needs (Kummeling, 2011)

Target group

The modern family



Single-parent family



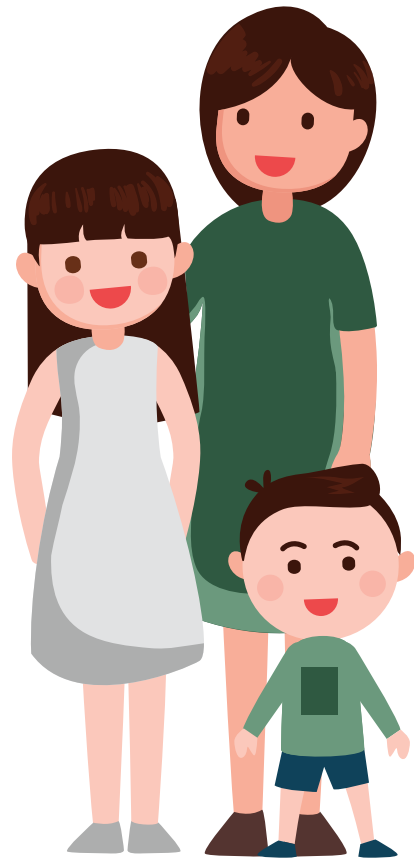
Co-parent family



Blended family

Target group

The single-parent family



Specific for target group:

- Raising children
- Financial worries
- Dwelling size
- Like-minded

Target group

The co-parent family



Specific for target group:

- Flexible family composition
- Relationship with step-parent

Target group

The blended family

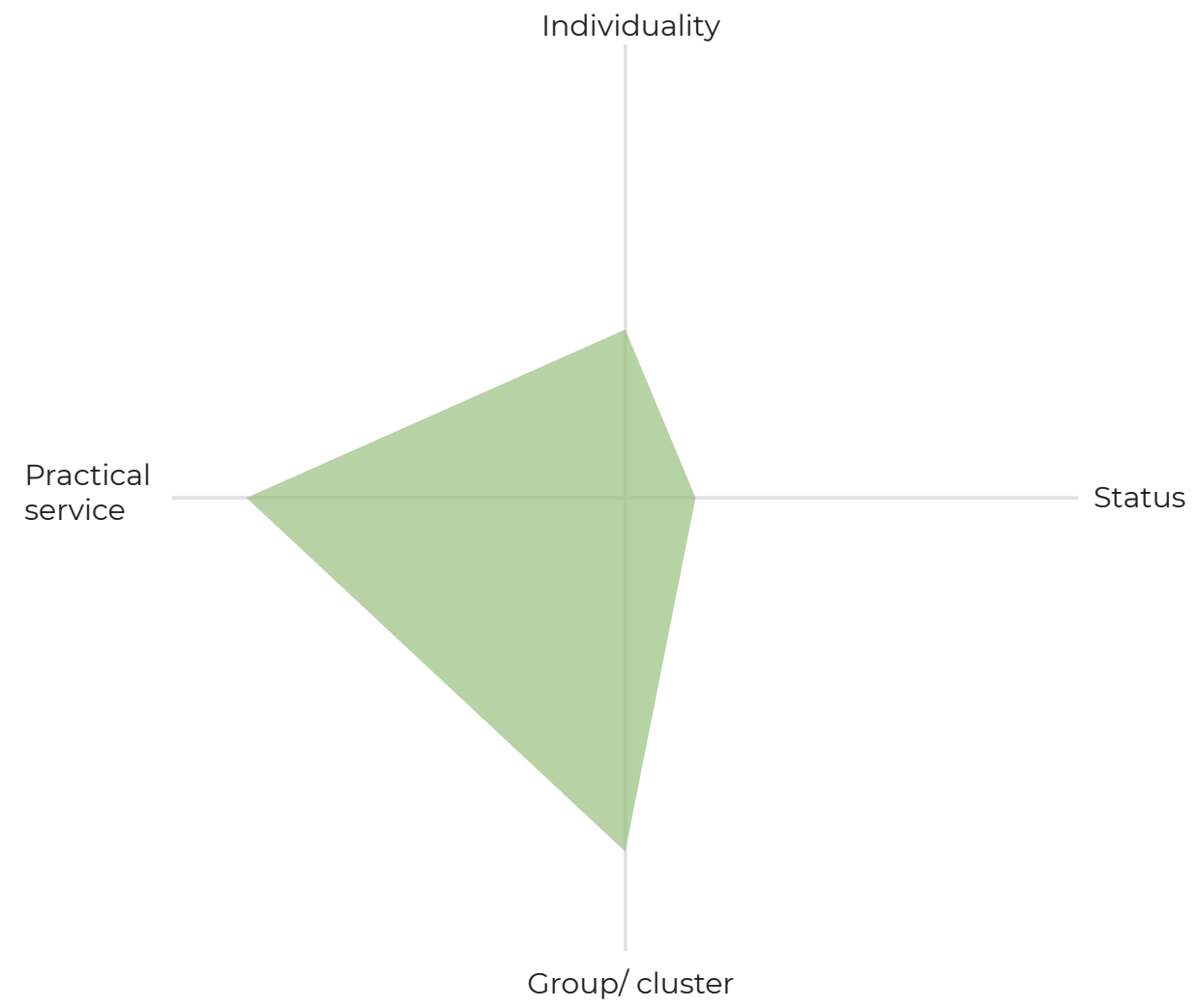


Specific for target group:

- Extreme flexible family composition
- Dwelling size
- Privacy

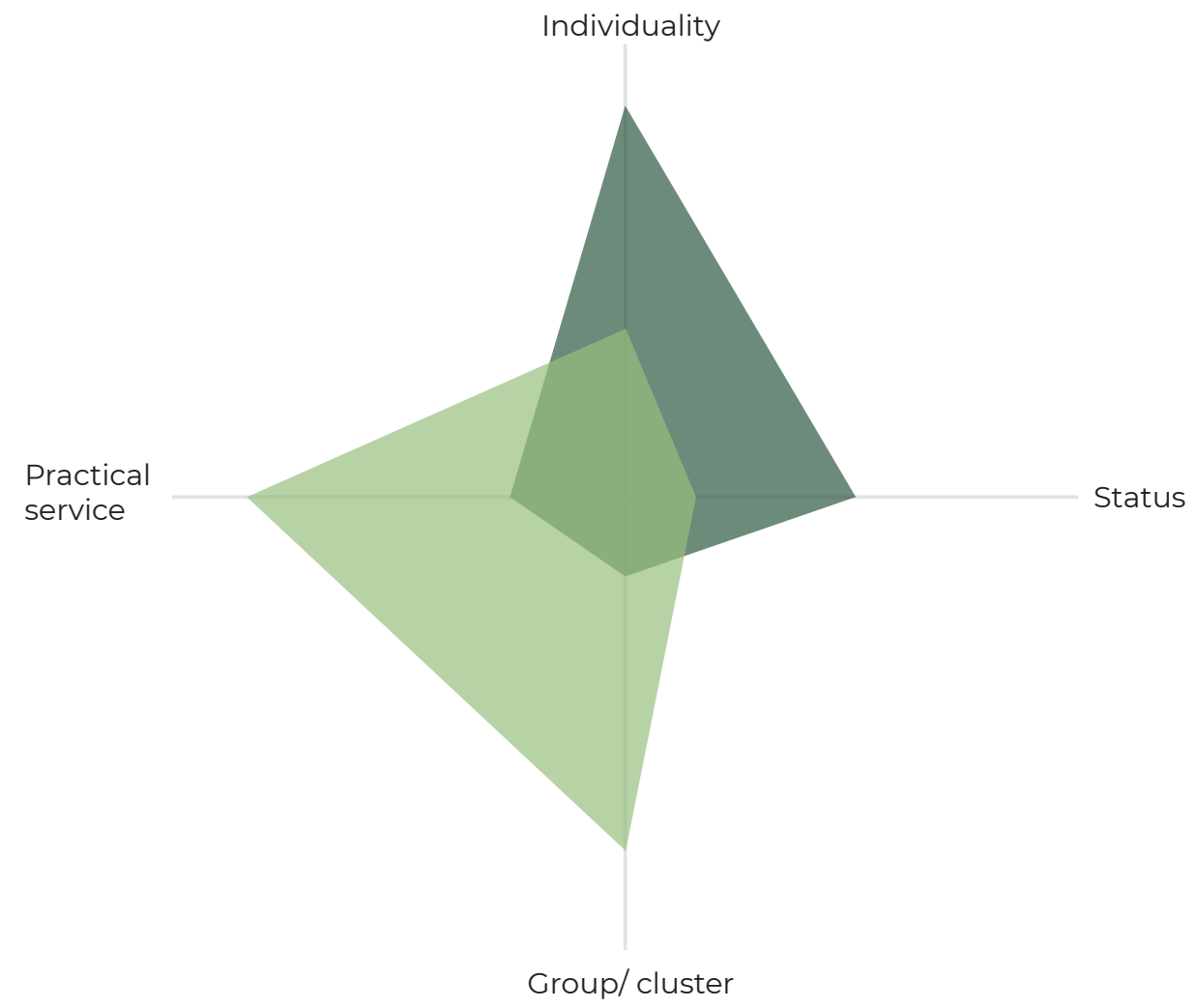
Target group

Wishes & needs



Target group

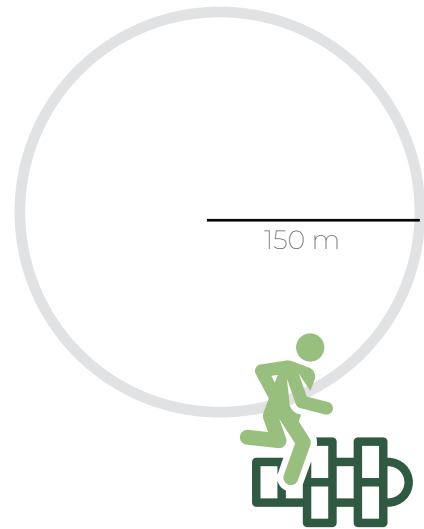
Wishes & needs



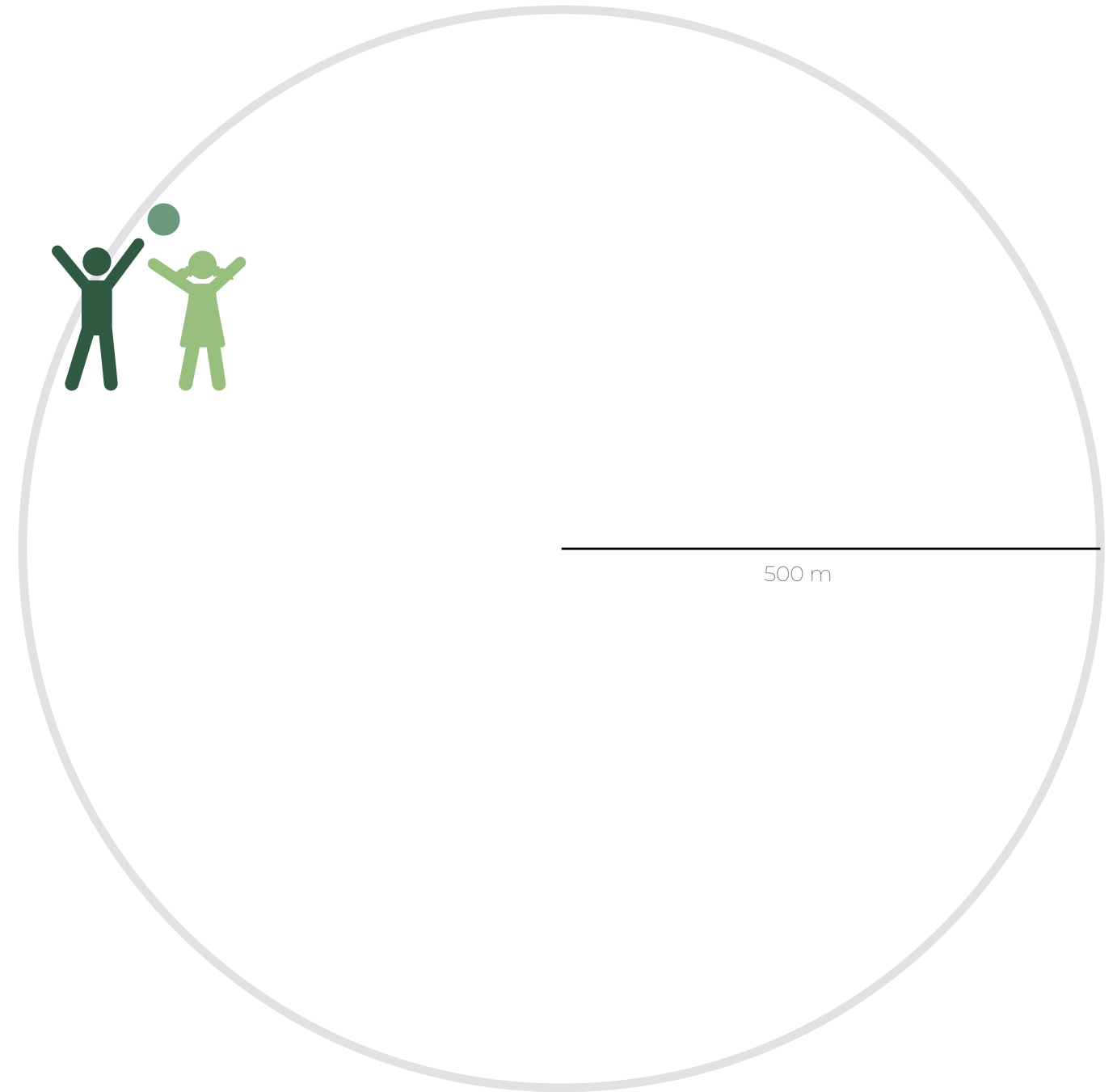
Research



0-3 years: 30 m



4-8 years: 150 m



9-12 years: 500 m

Dwelling

Building block

Neighbourhood

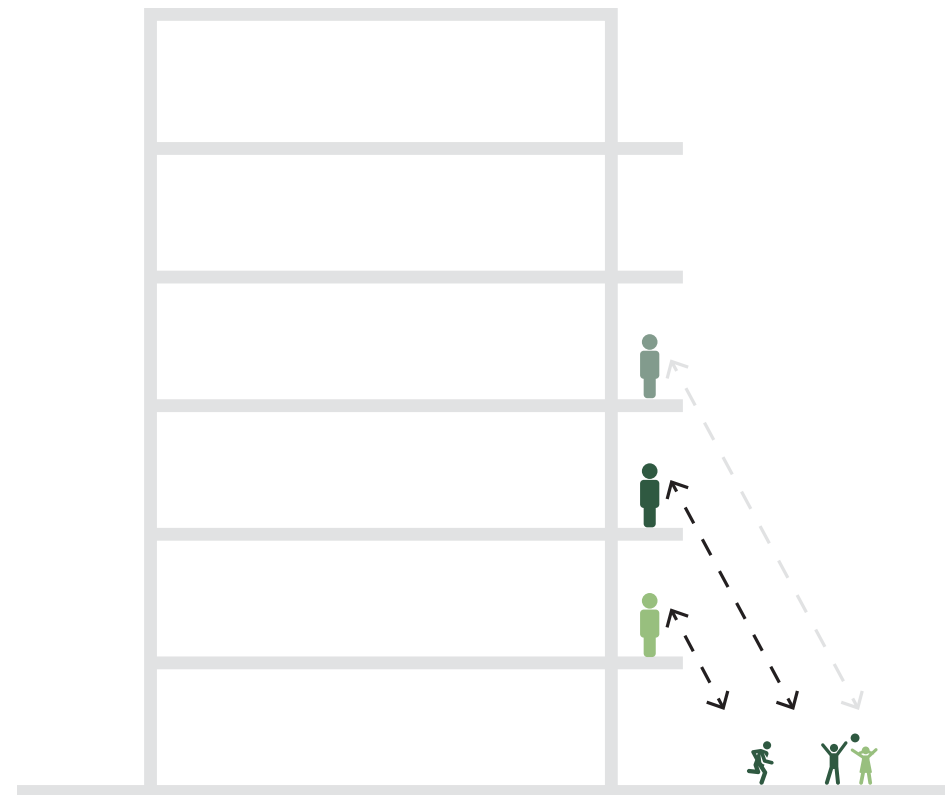
Neighbourhood

Amenities

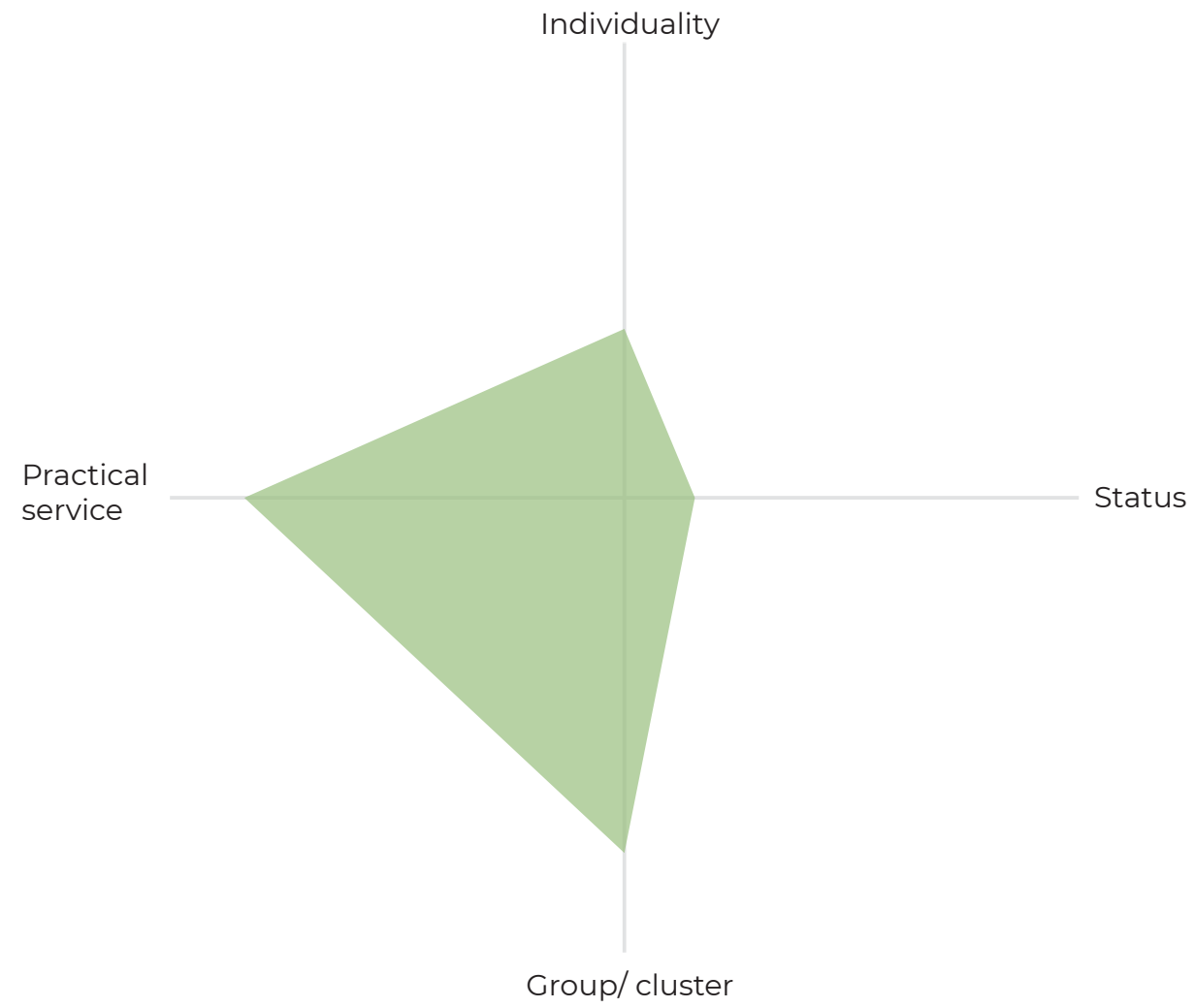


Building block

Supervision

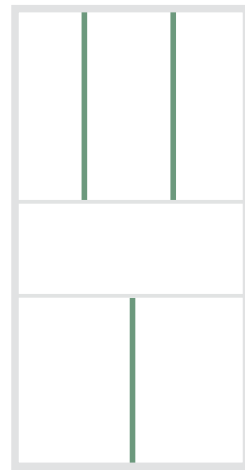


Building block

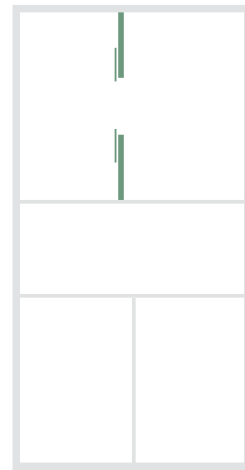


Dwelling

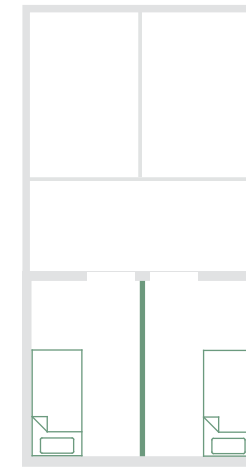
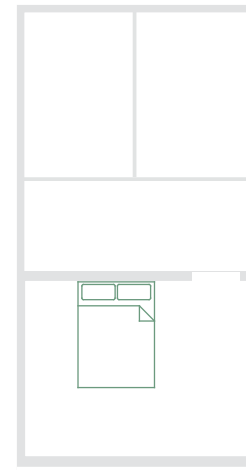
Flexibility



Kleine kamers



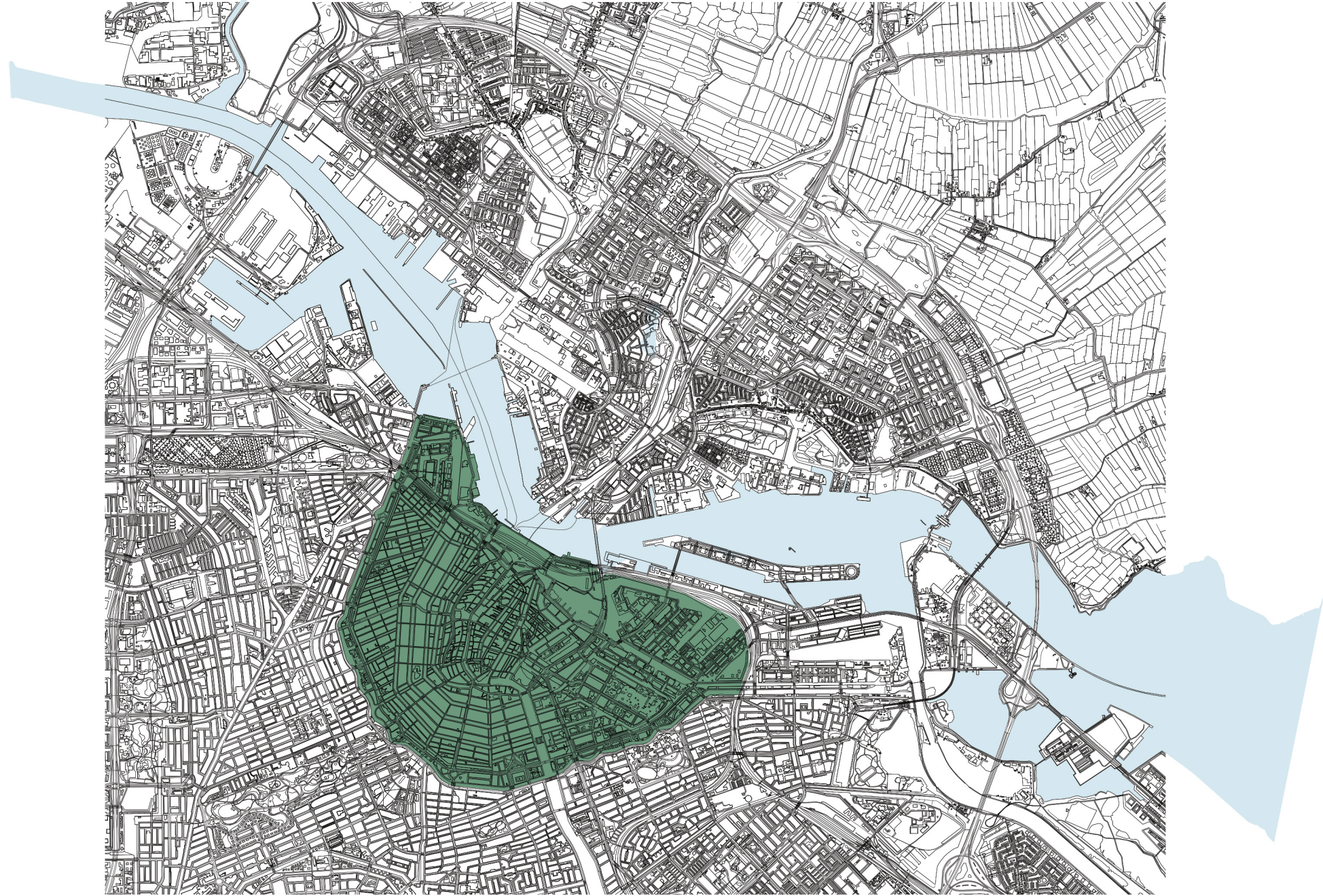
Aparte keuken



Multifunctionele kamers

Alleviating struggles of daily life

Location

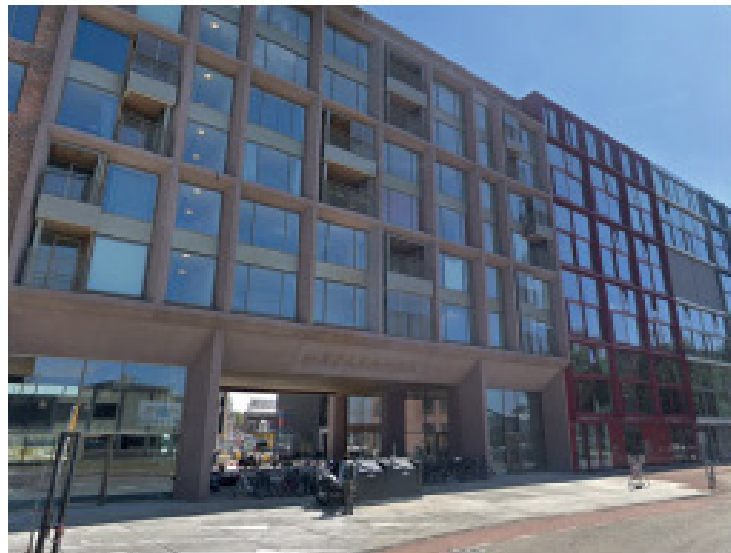
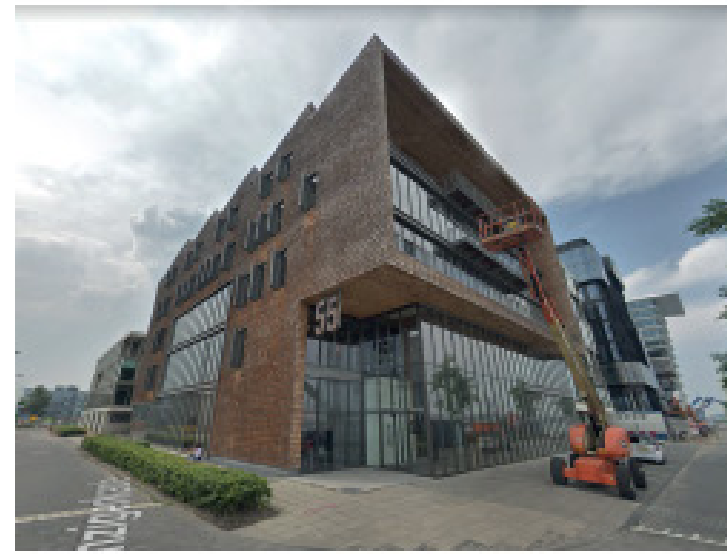
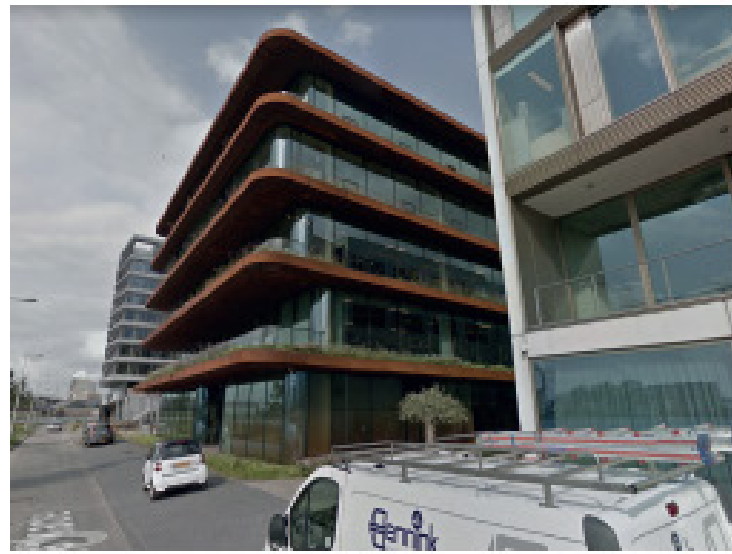
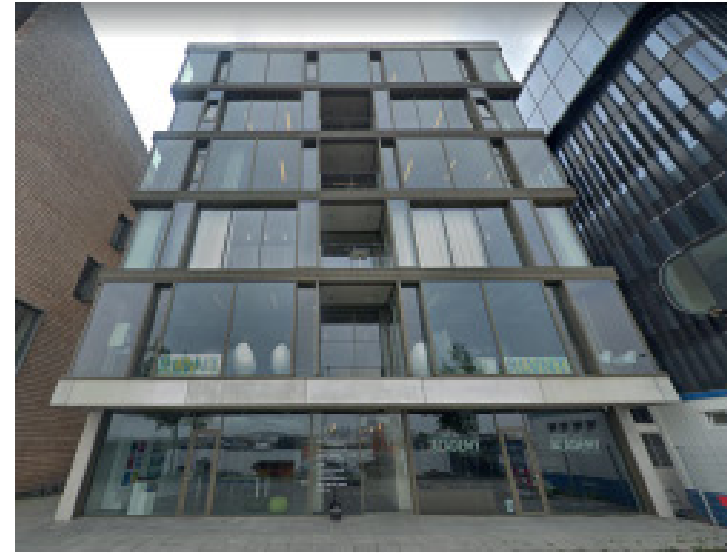


Location



Location

Current status



Location
Minervacampus

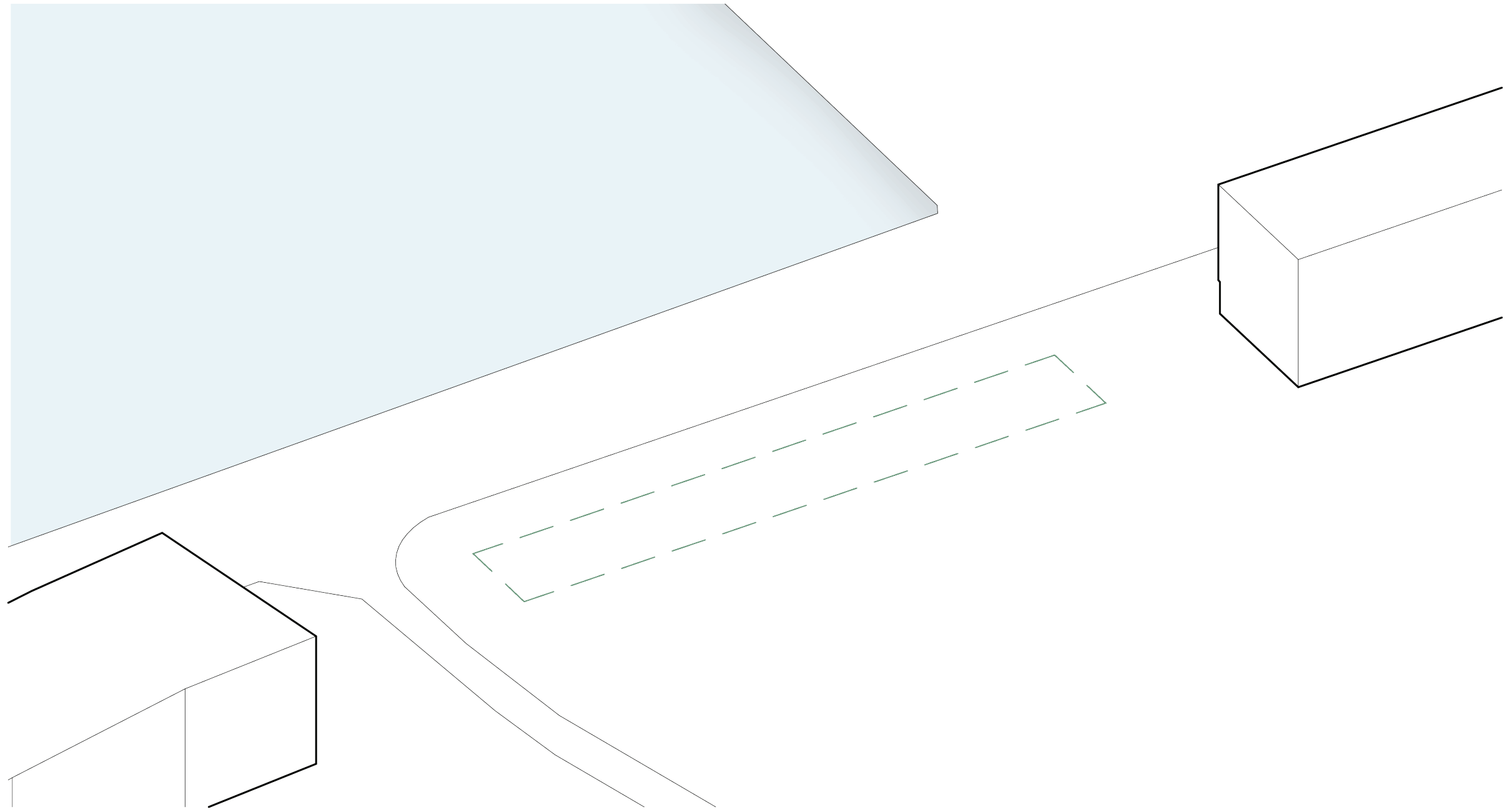


Location

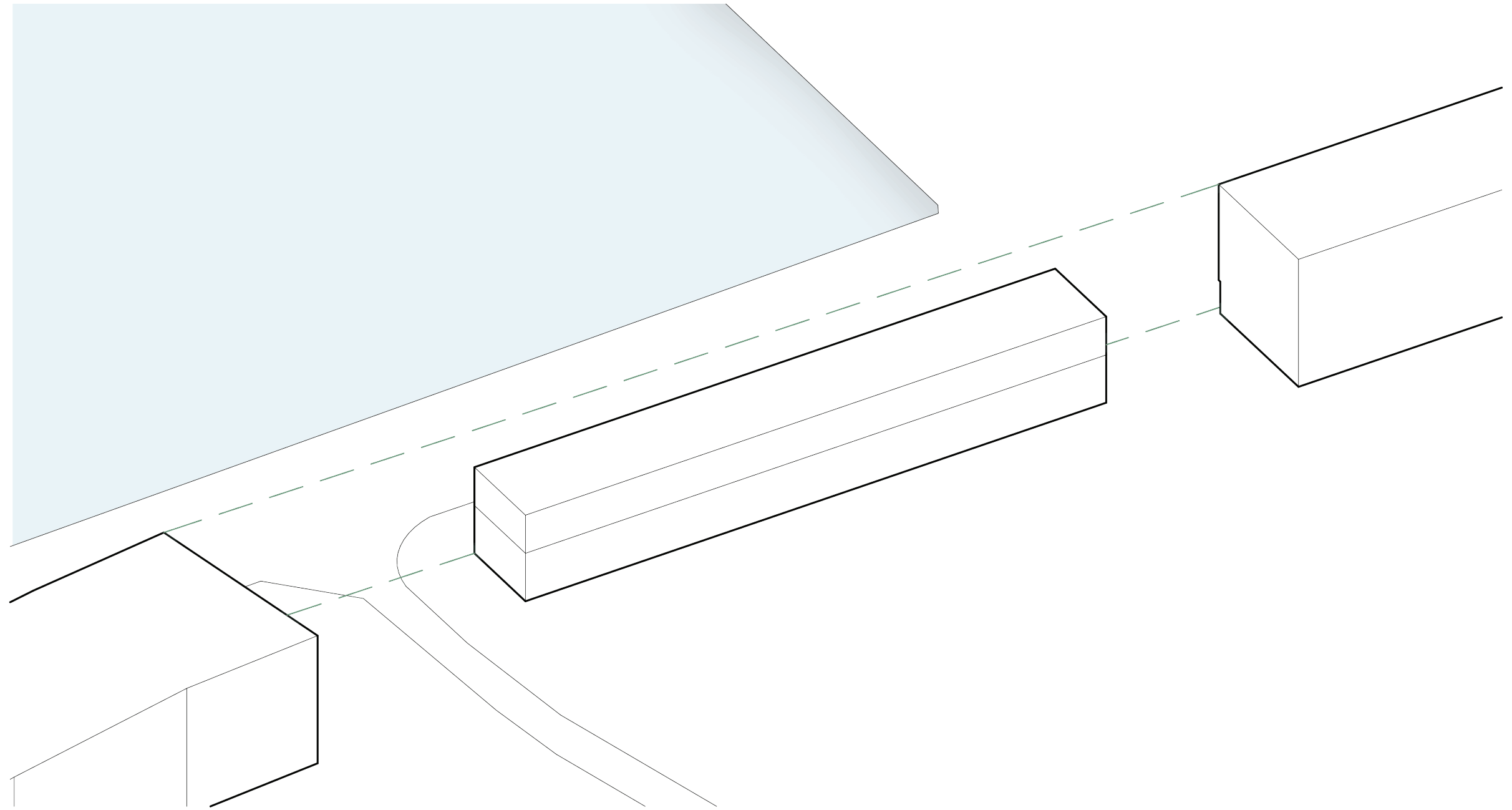
Minervacampus



Location

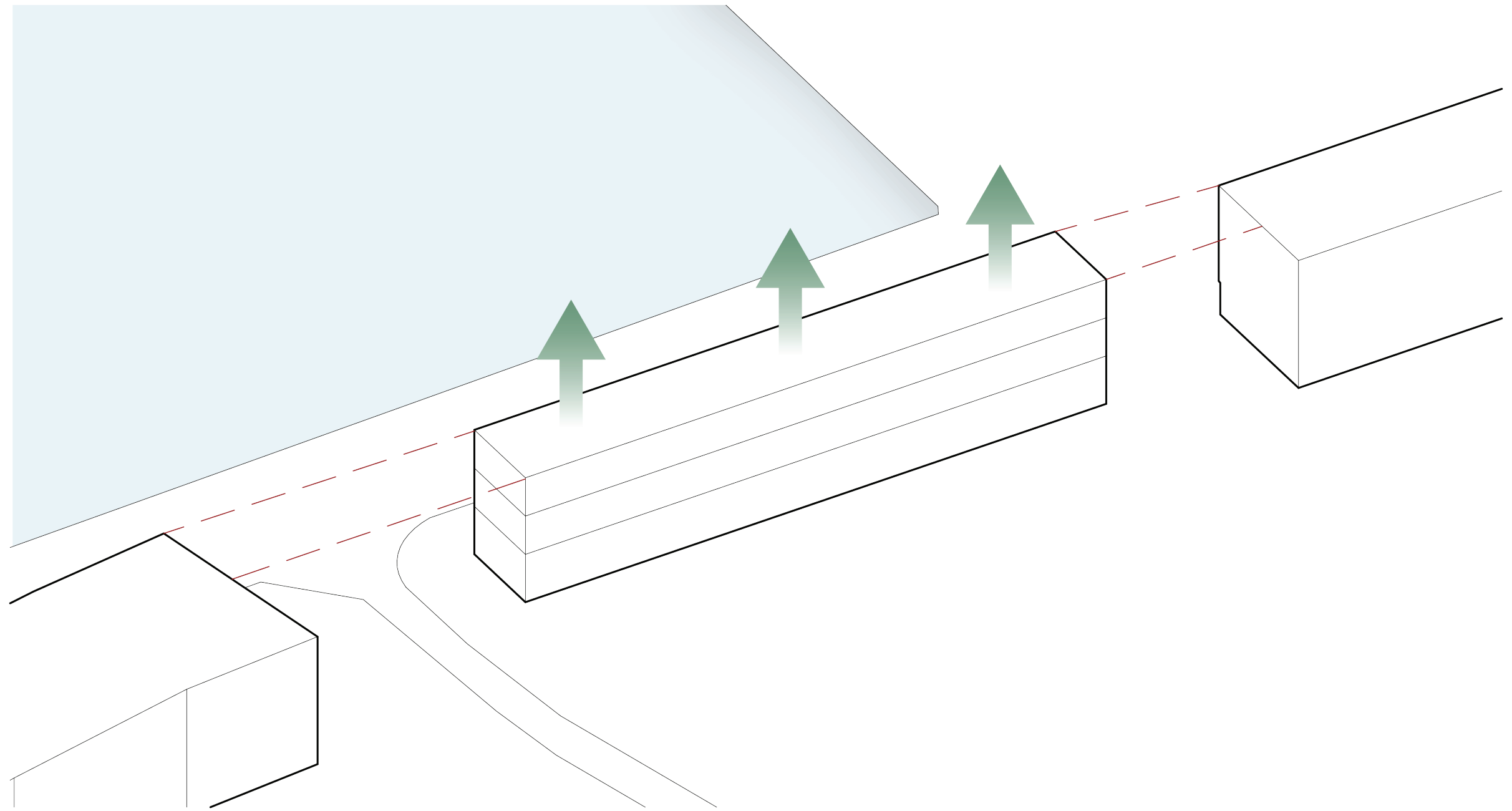


Site



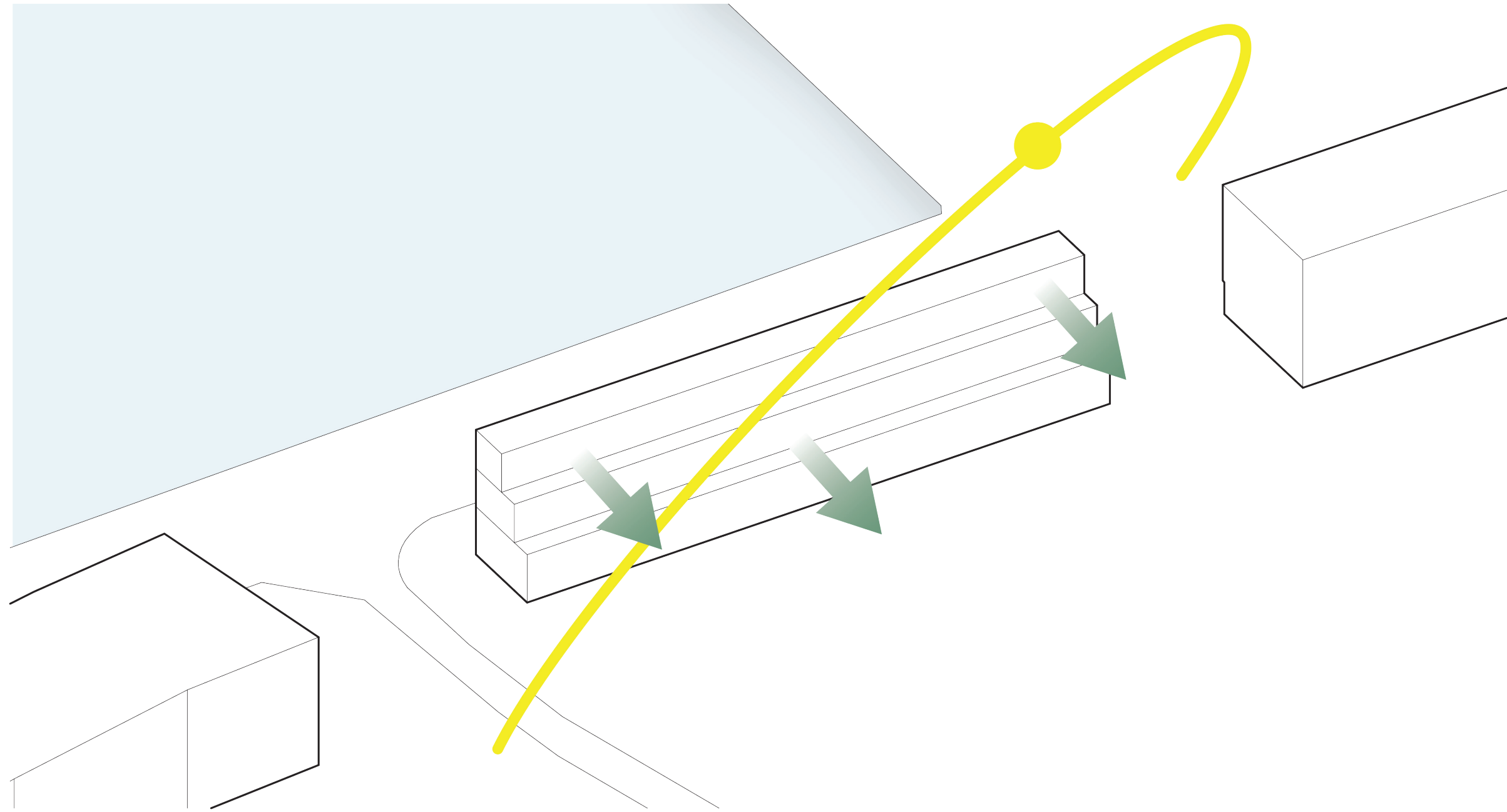
Basic massing

Urban wall



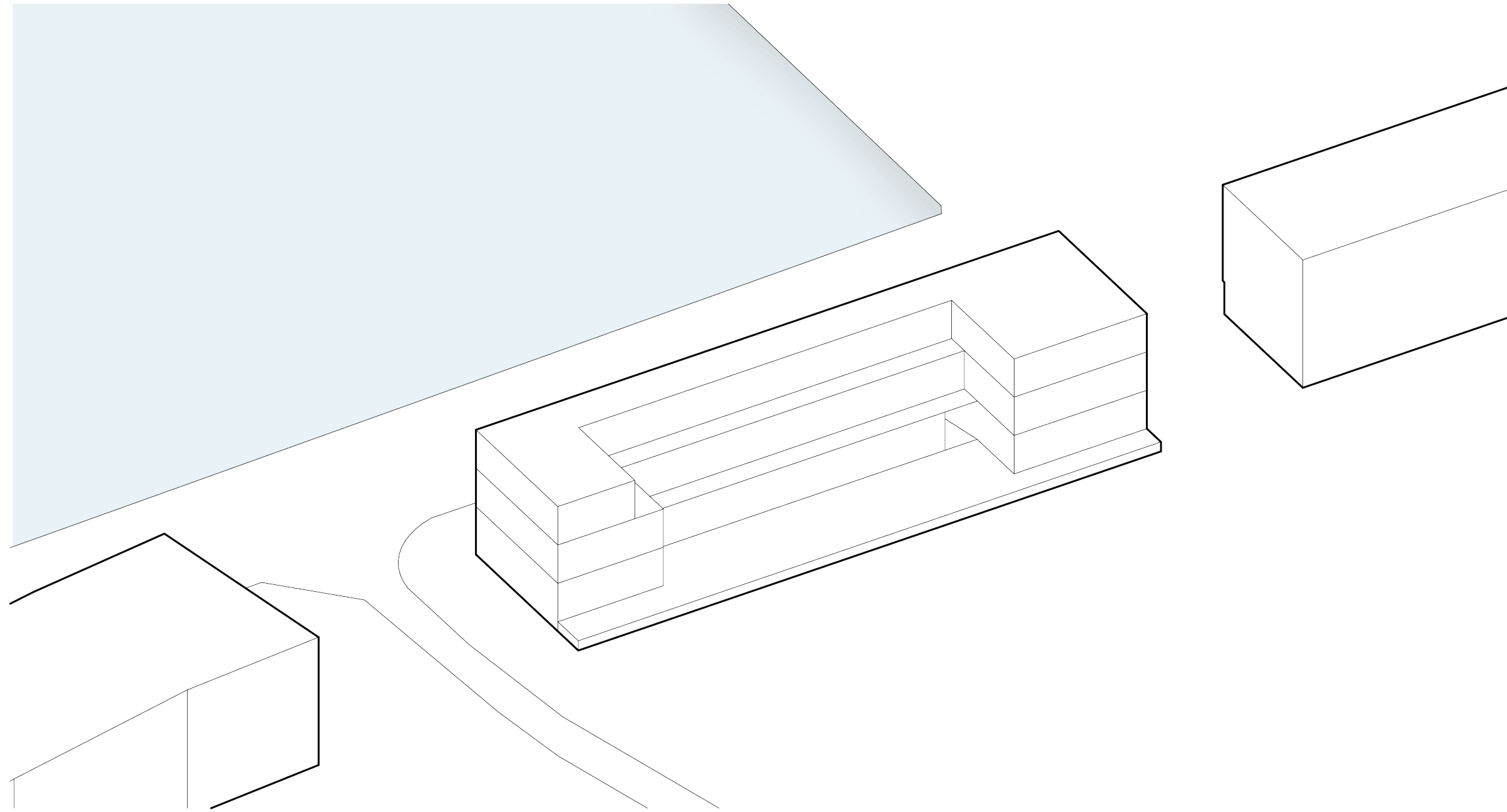
Height

Connecting to surrounding buildings



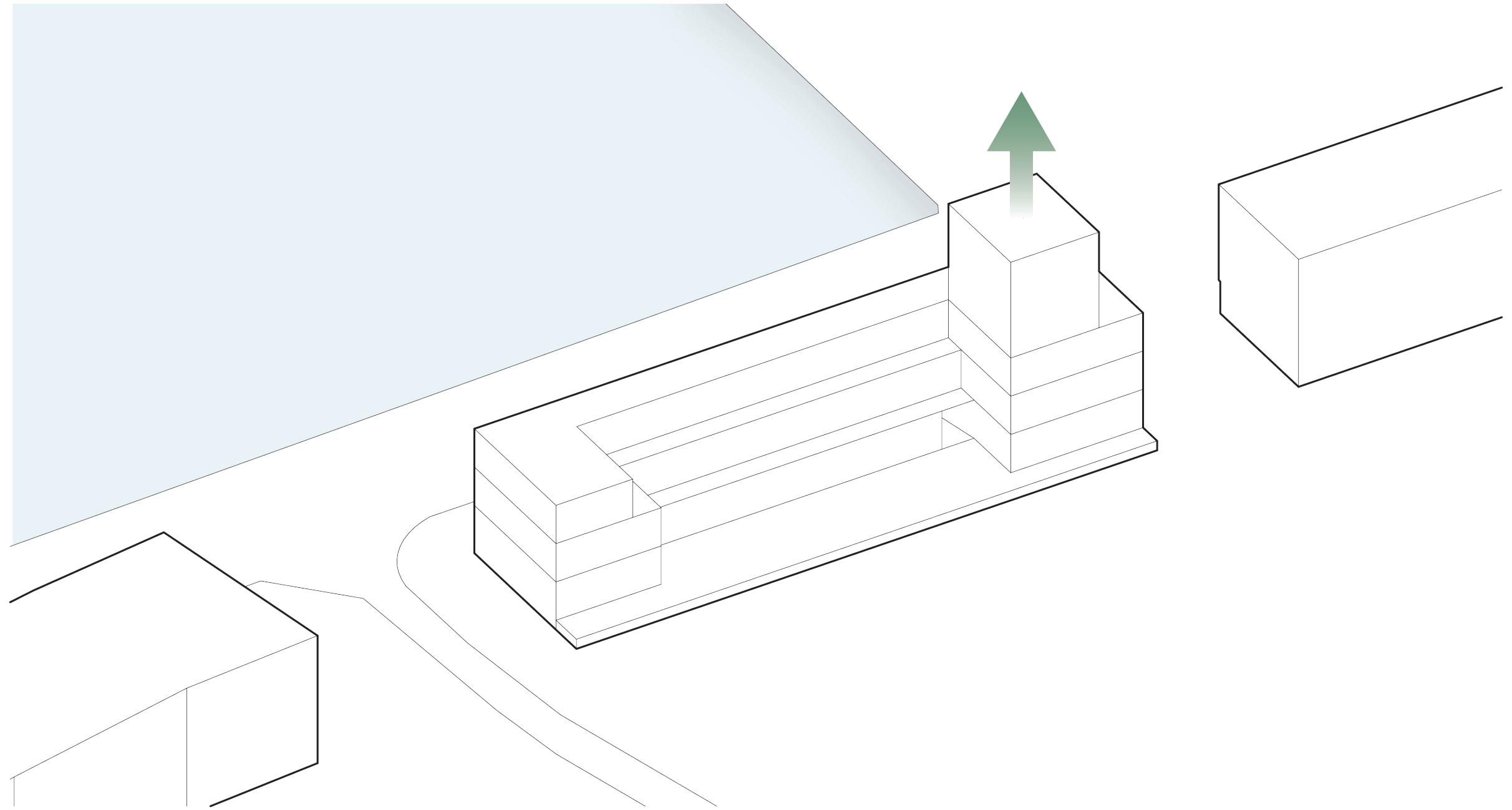
Opening up the volume

Providing views and direct sunlight
Creating circulation system



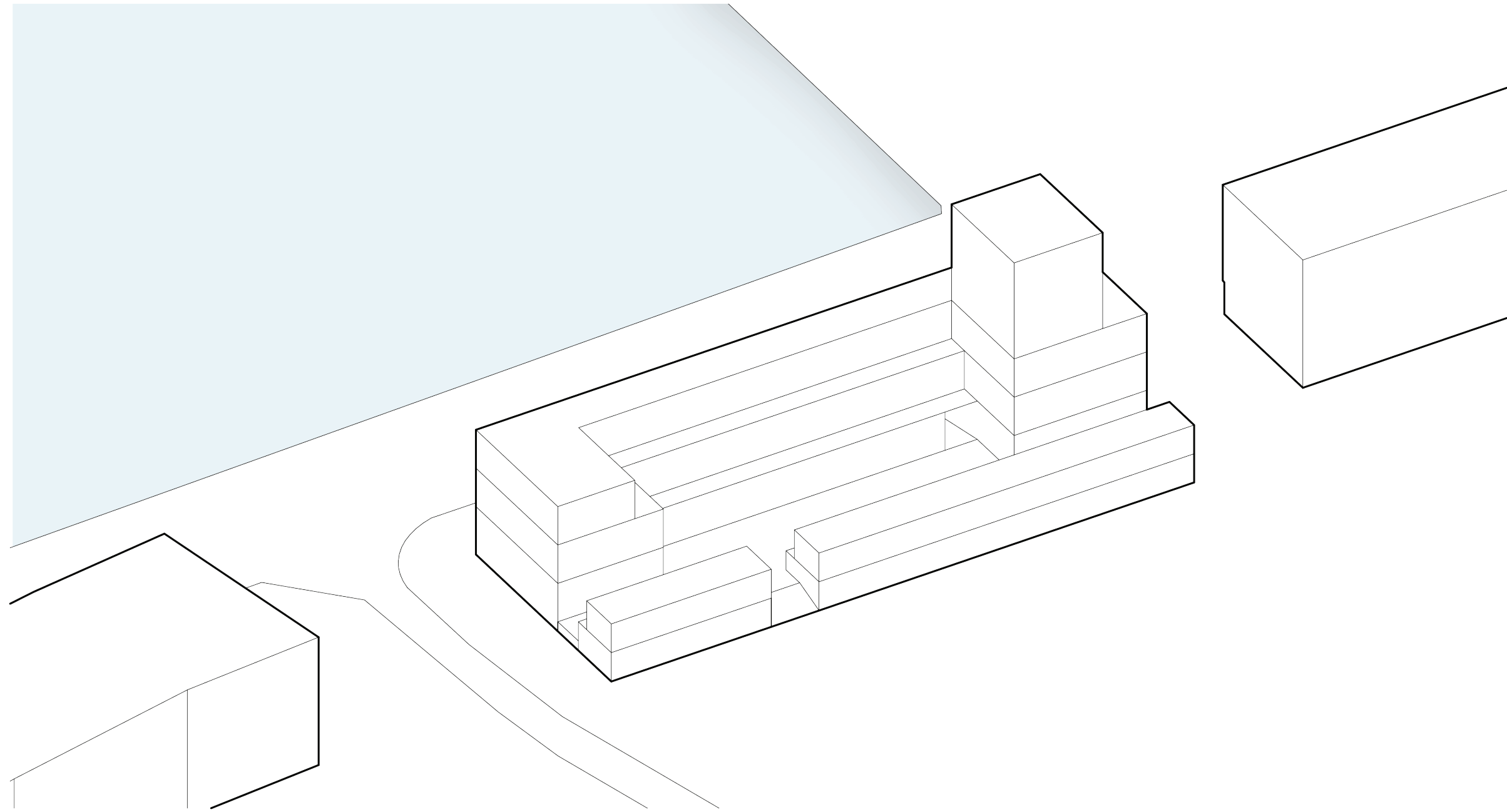
Enclosing collective spaces

Providing safe outdoor spaces



Finishing urban square

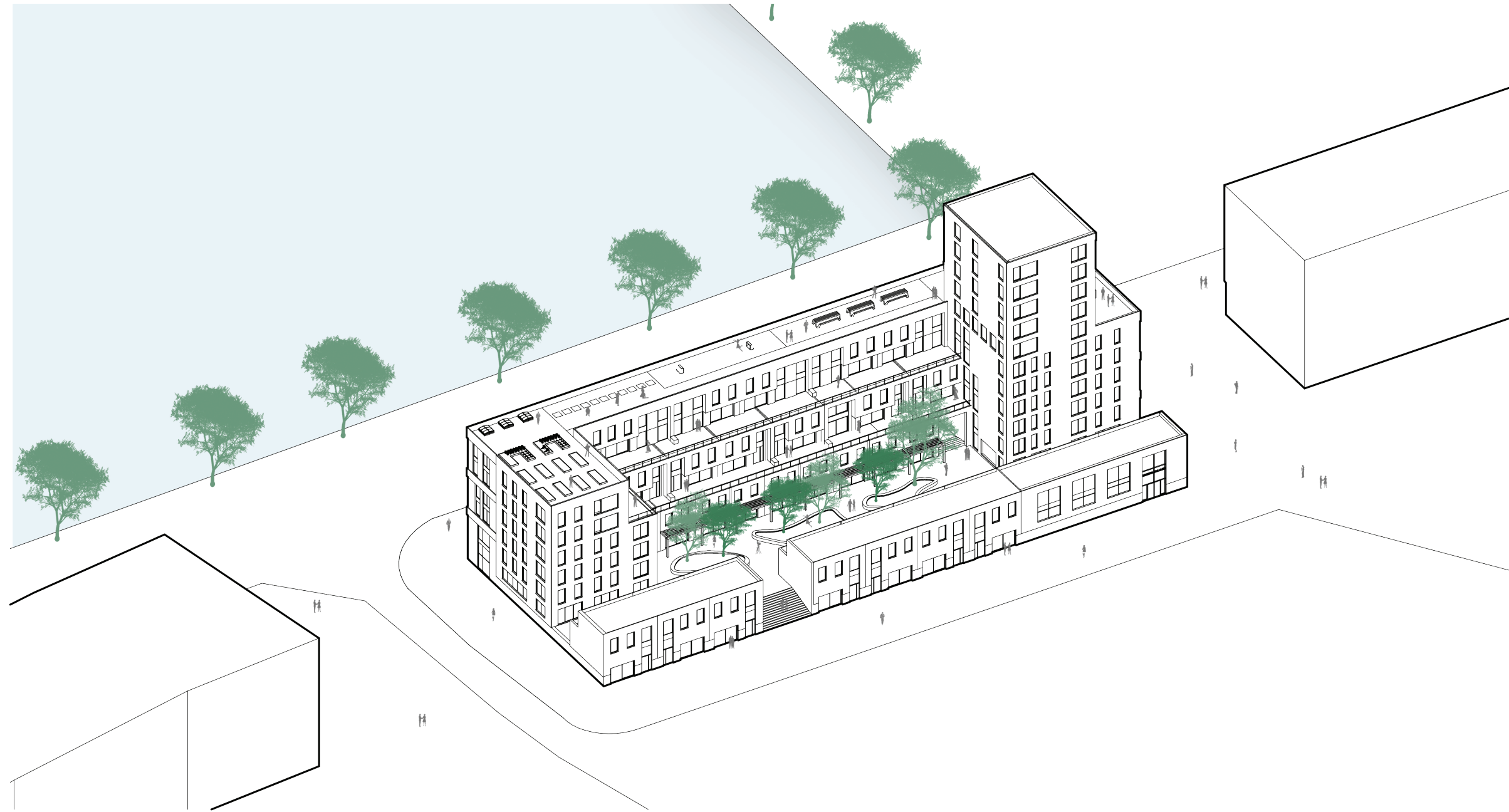
Creating a recognisable building

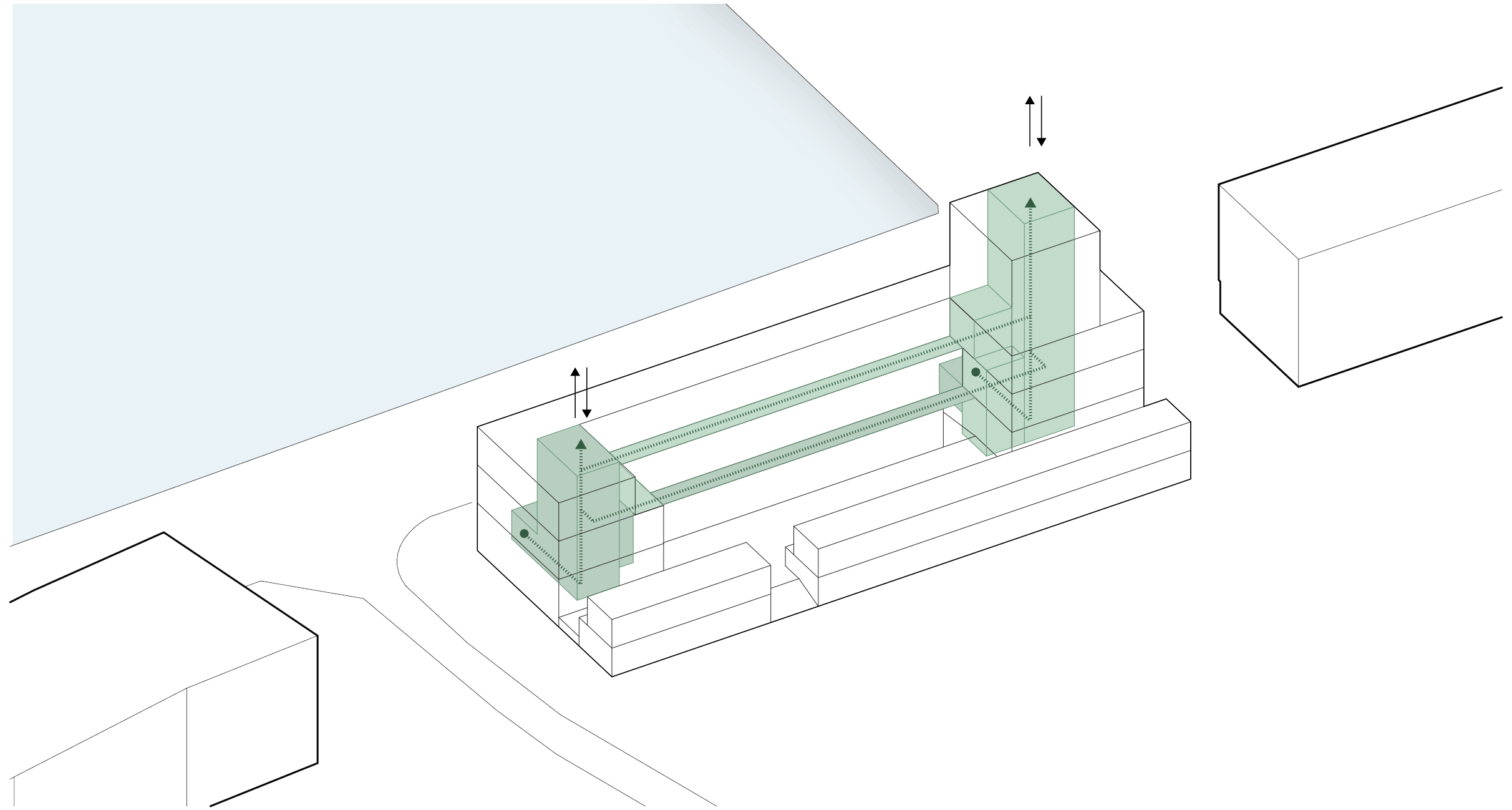


Framing collective garden

Creating a distinction between park and building

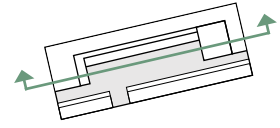
Location





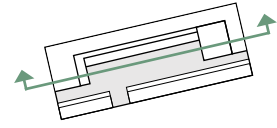
Design

Circulation



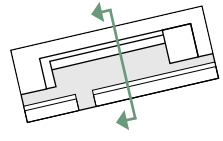
Design

Circulation



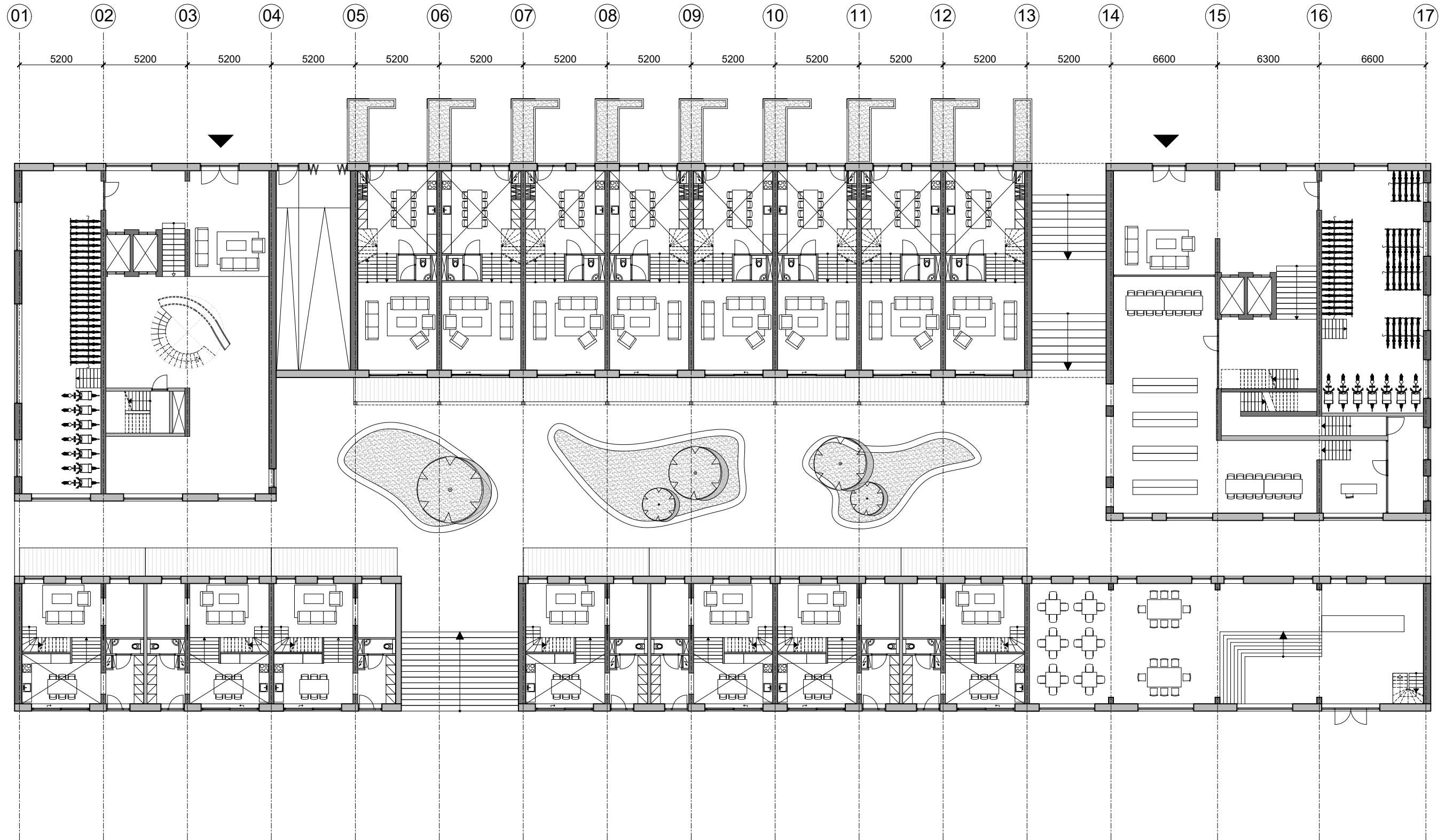
Design

Circulation



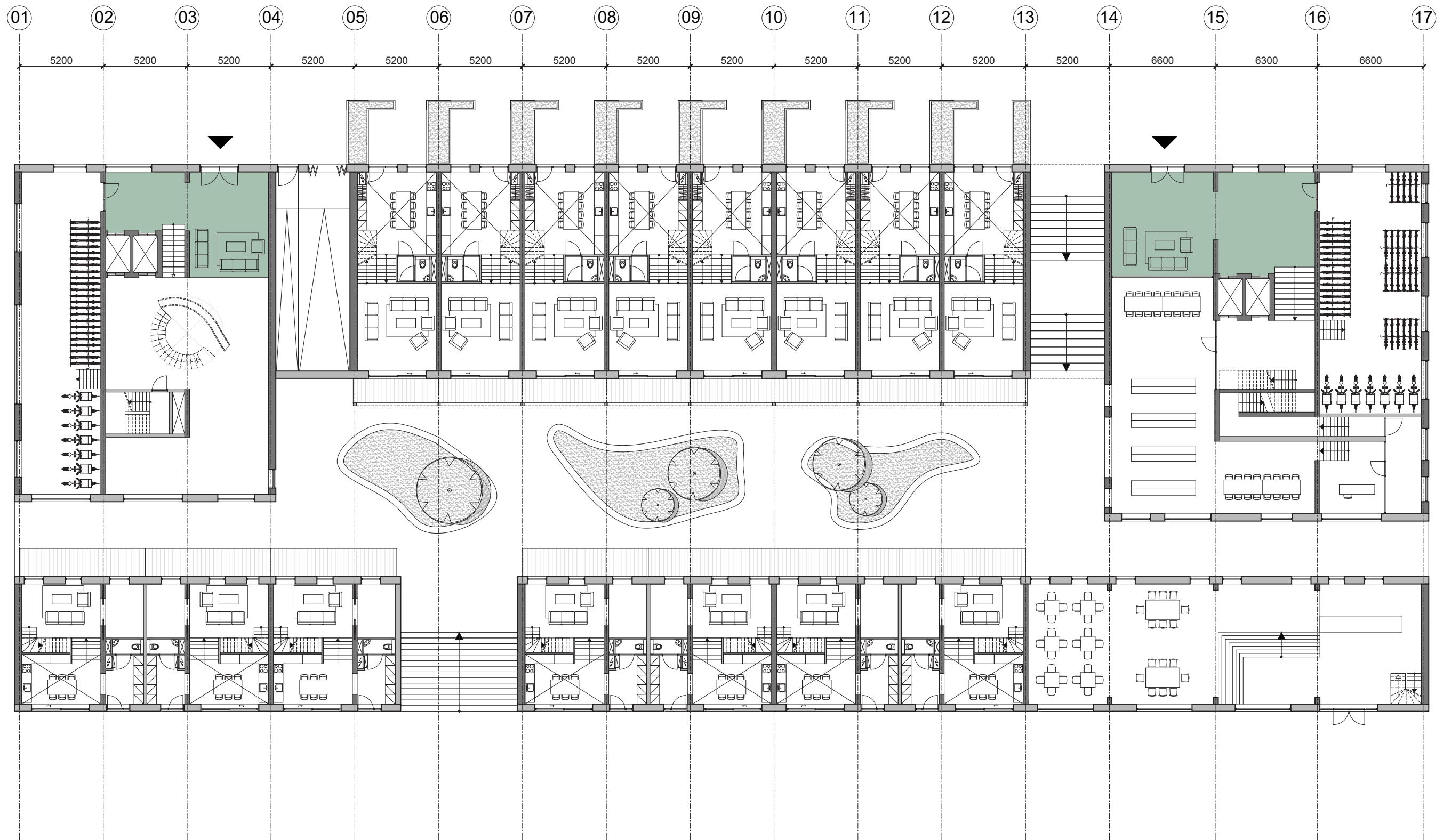
Design

Ground floor



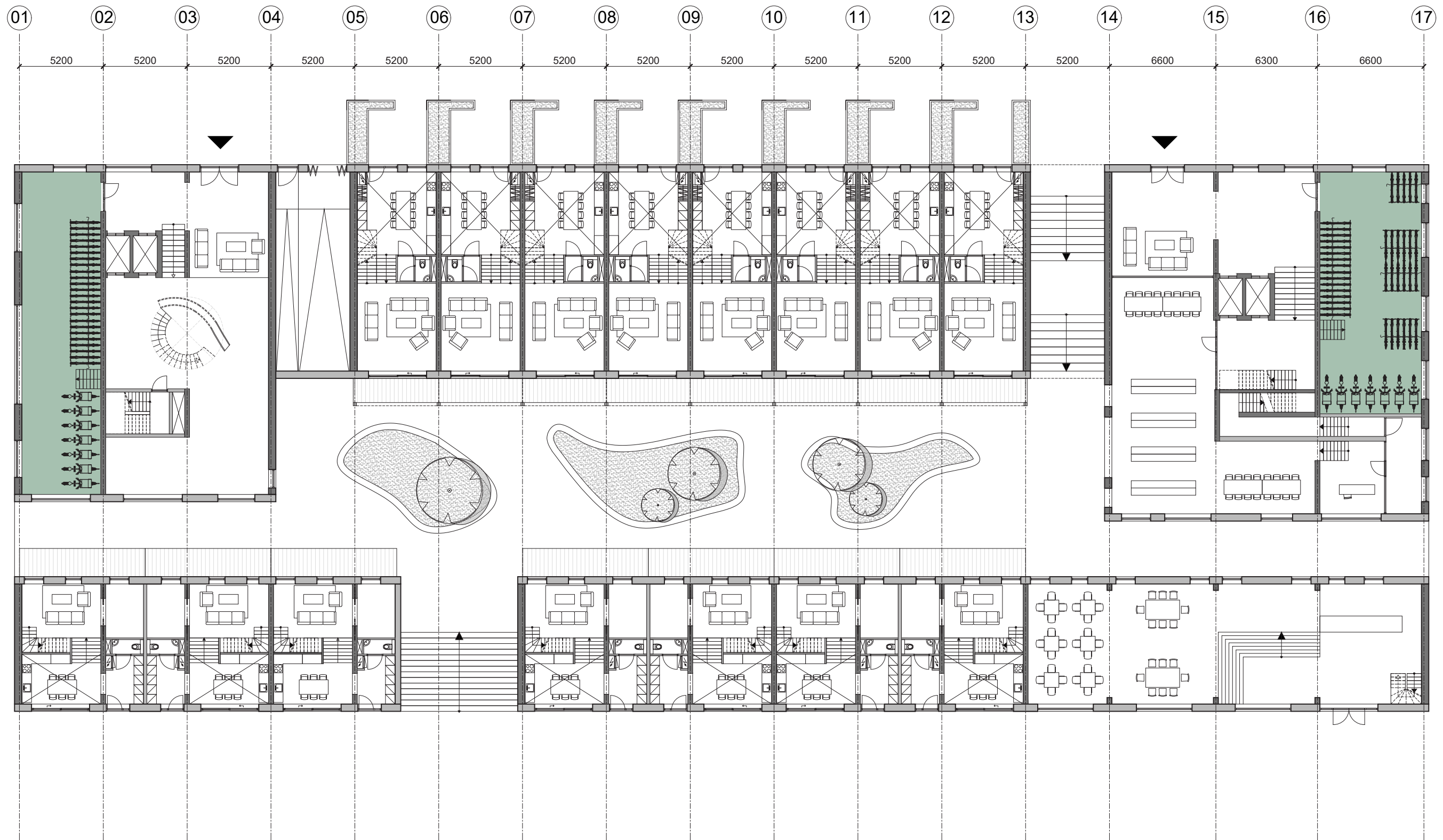
Design

Ground floor



Design

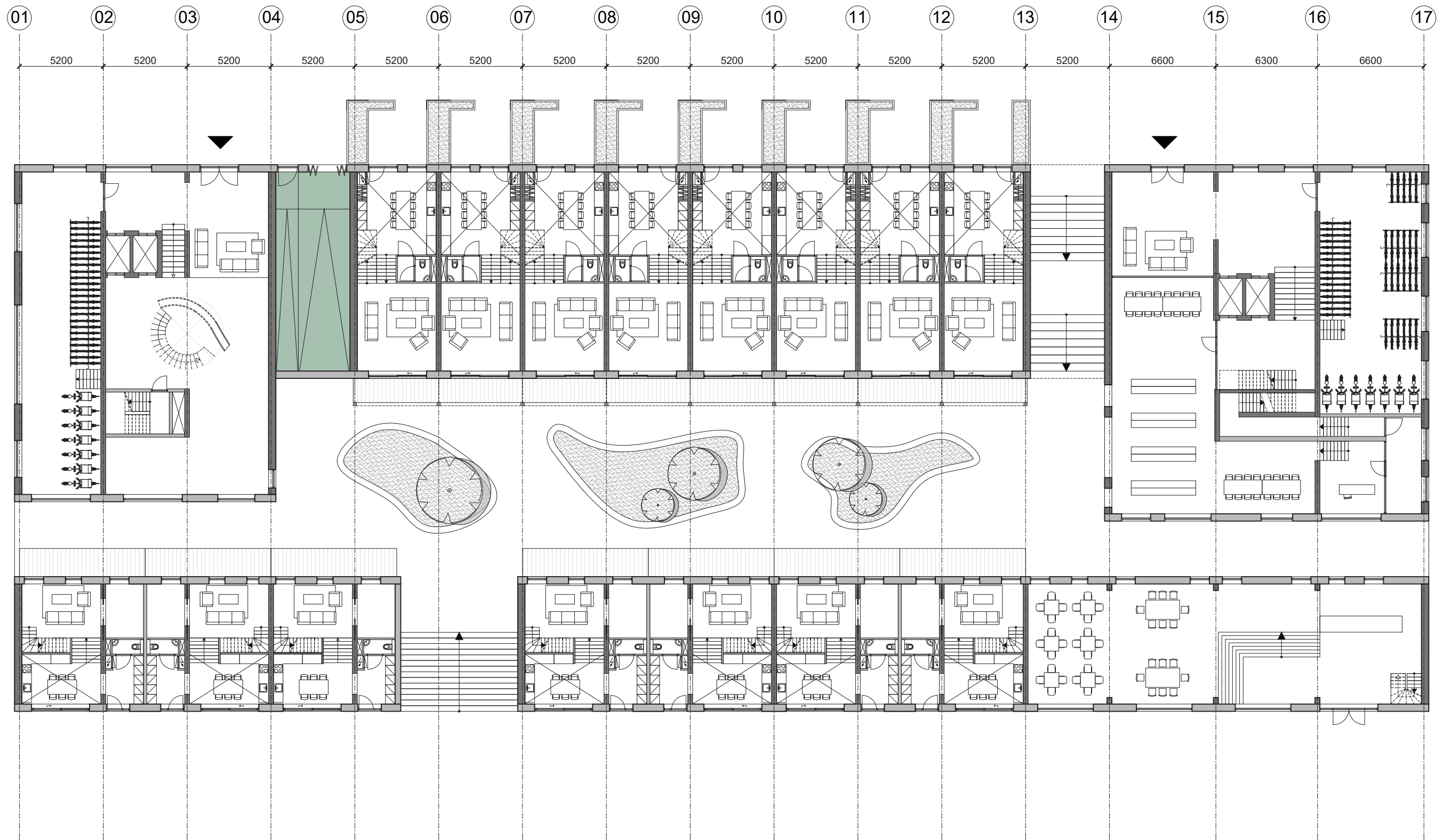
Ground floor



collective bike storage
126 bikes & 14 cargo bikes

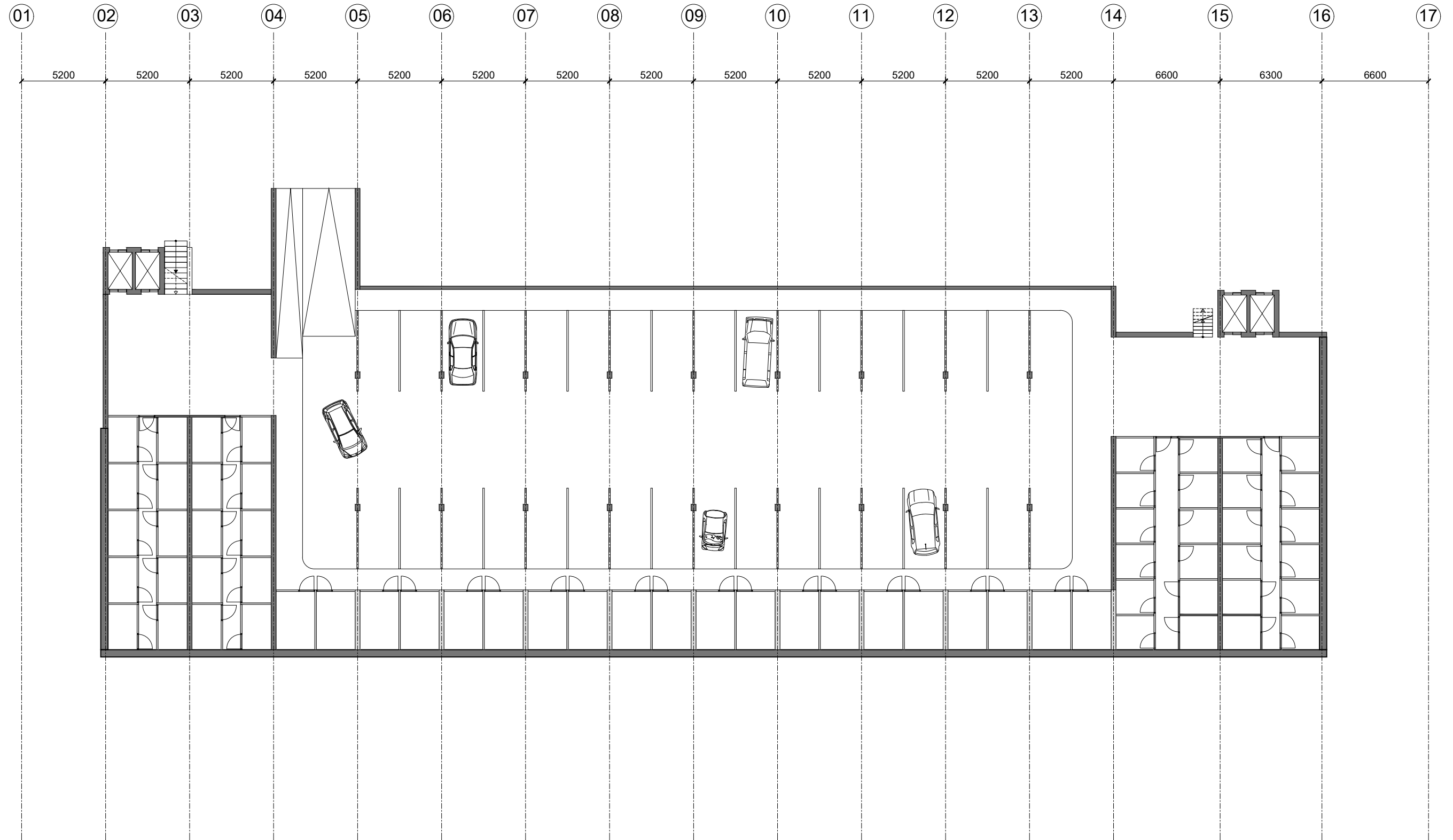
Design

Ground floor



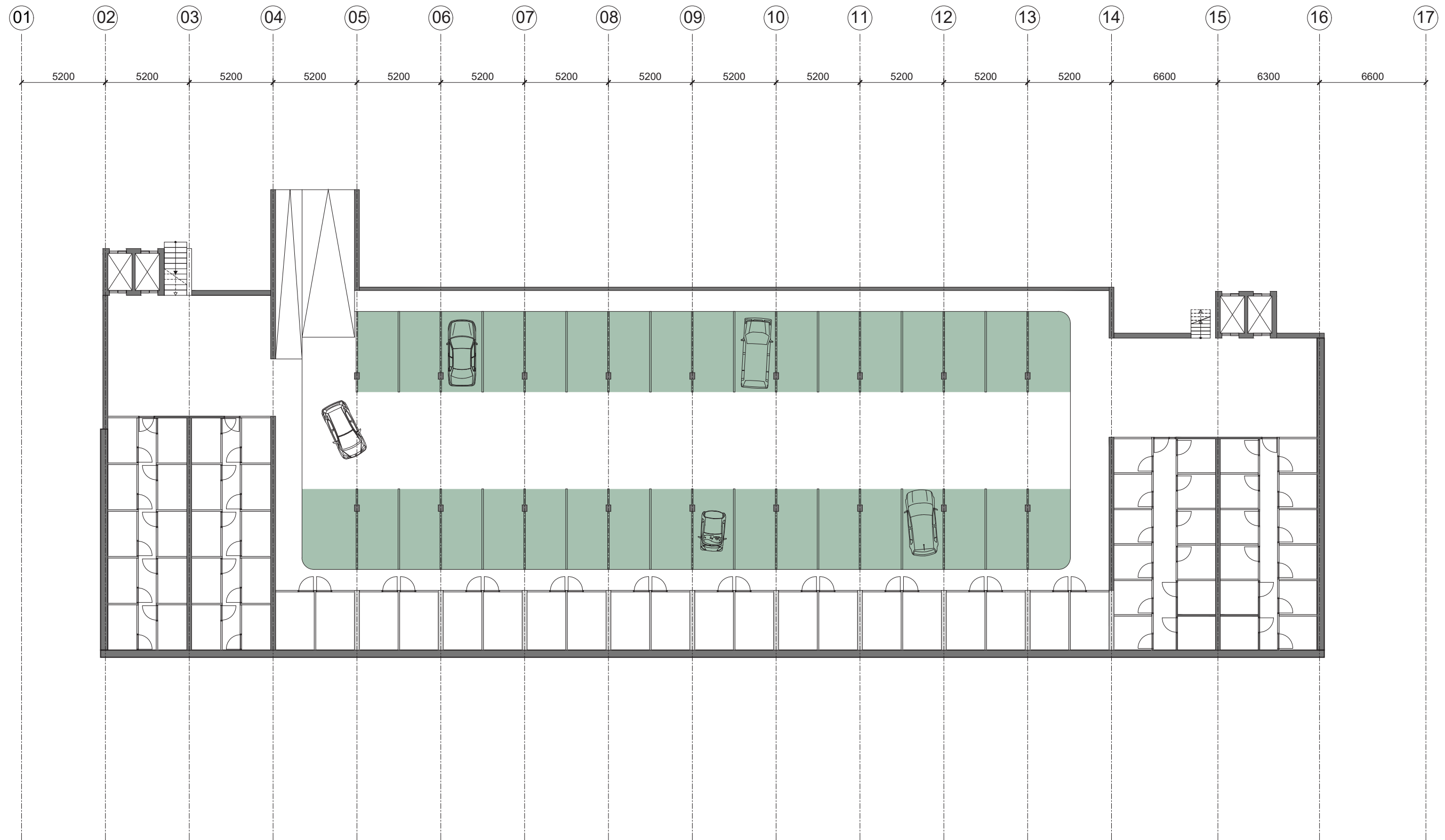
Design

Semi-basement



Design

Semi-basement



10 gedeelde parkeerplekken
26 privé parkeerplekken

Design

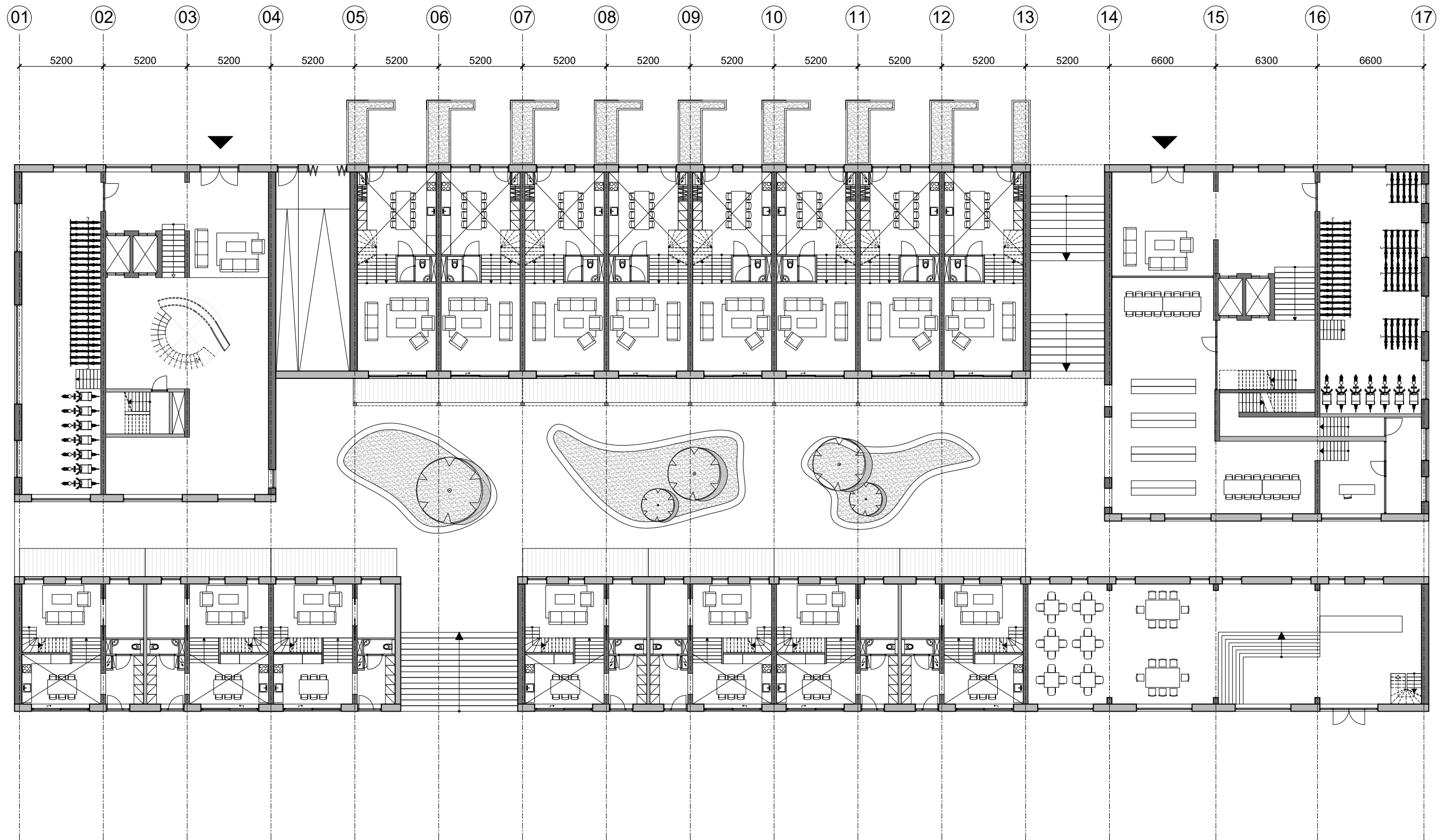
Semi-basement



64 storage units
5 m² per storage

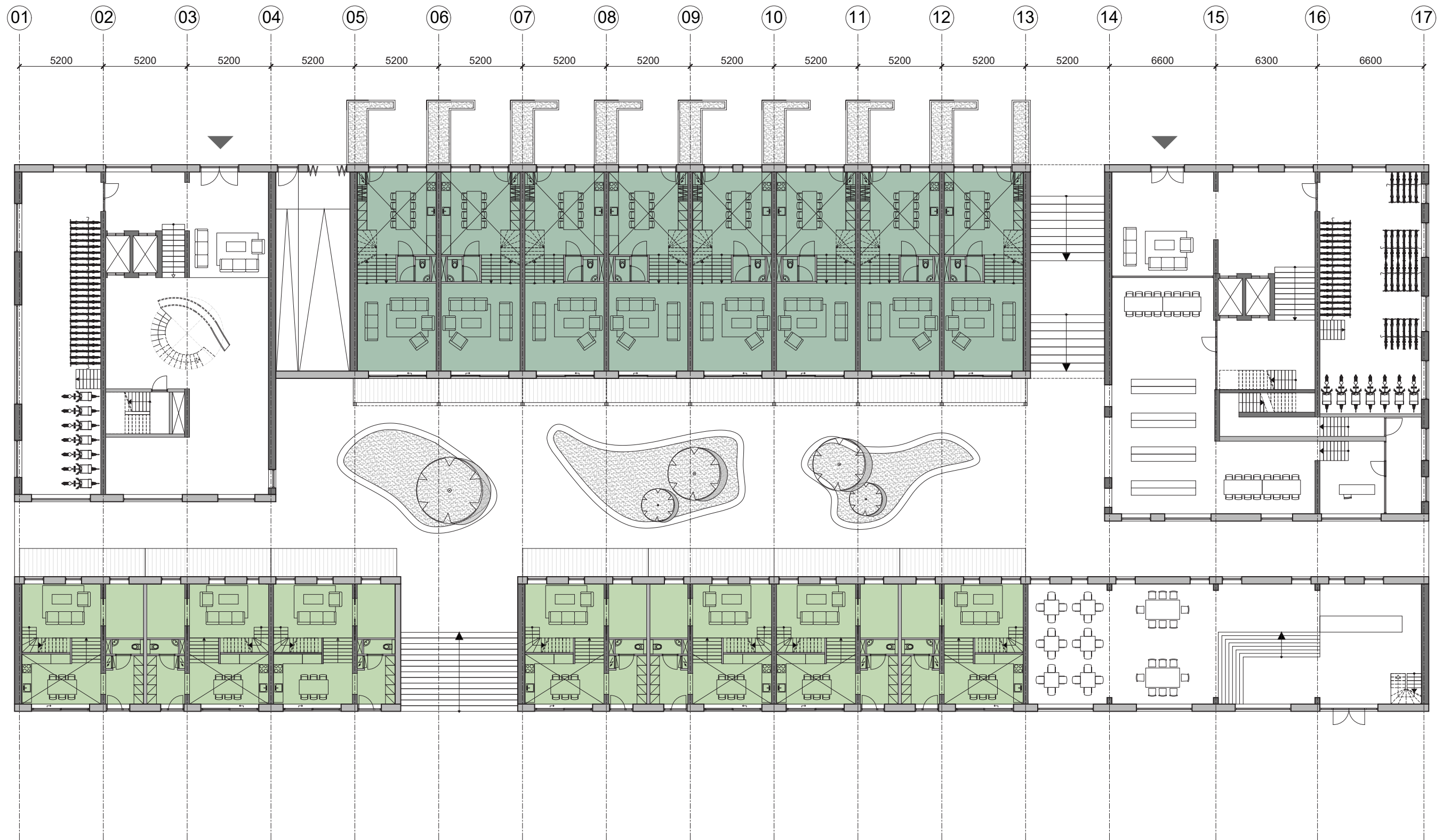
Design

Ground floor

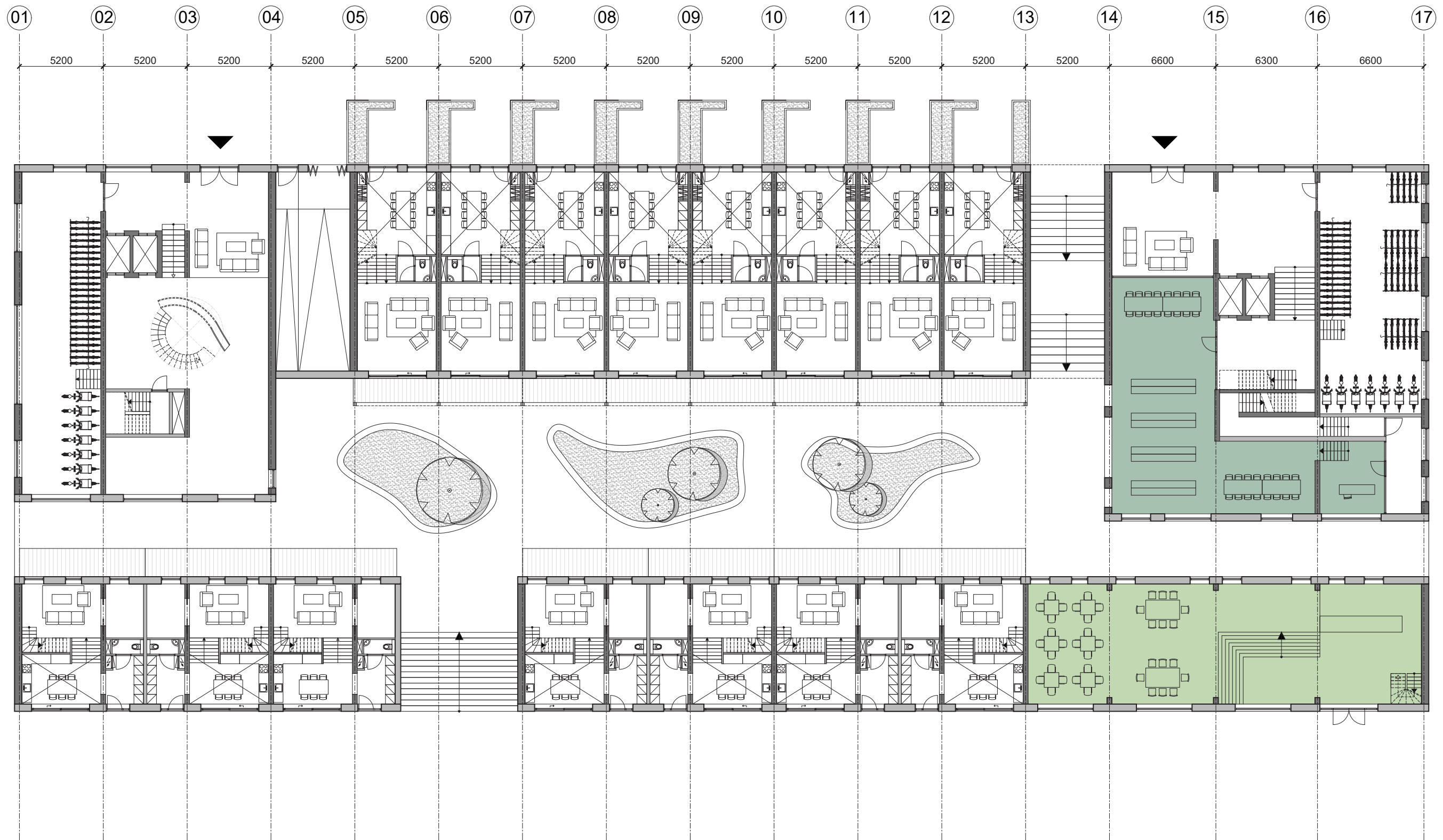


Design

Ground floor



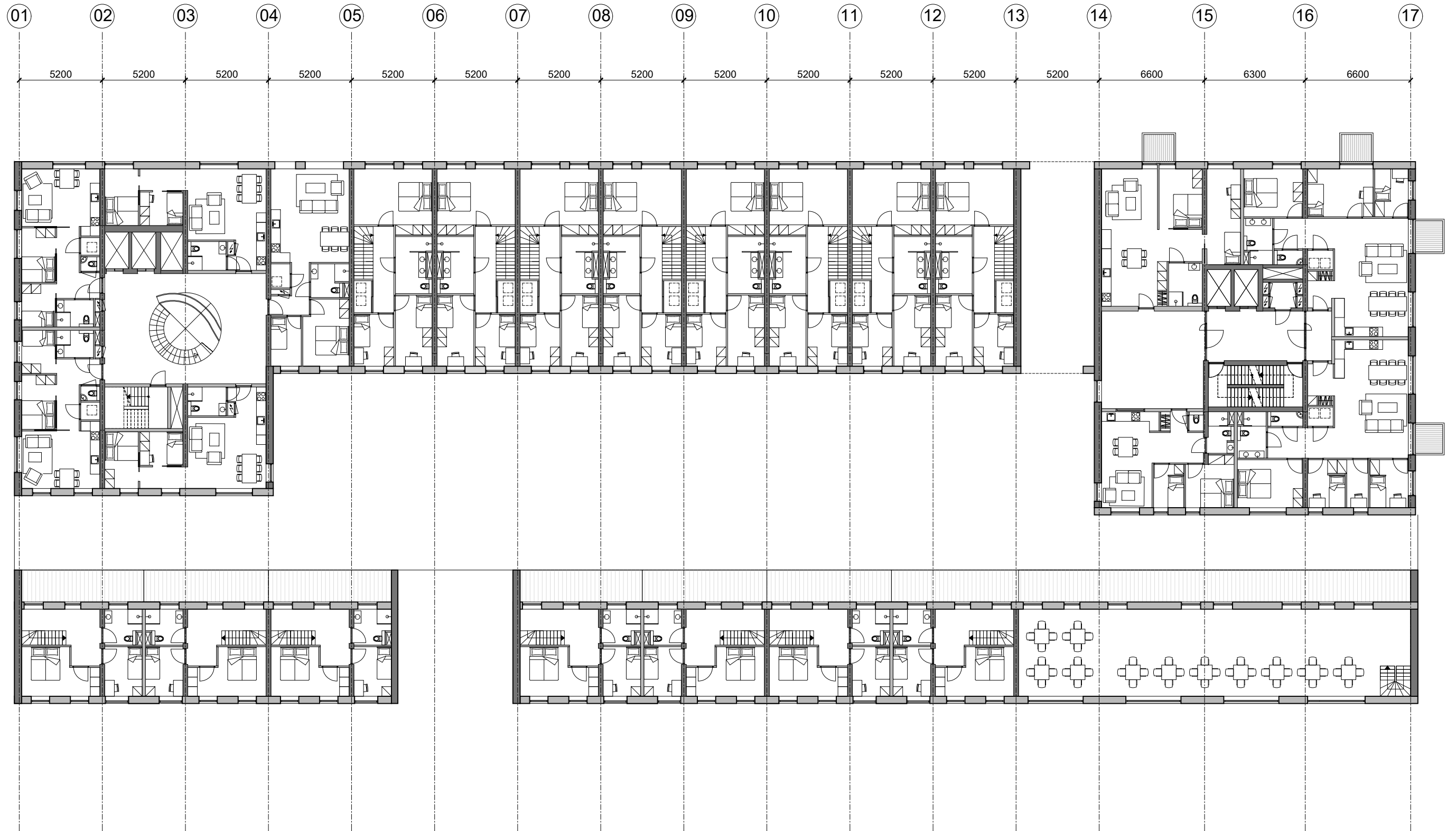
Design
Ground floor



library& café

Design

First floor



Design

First floor



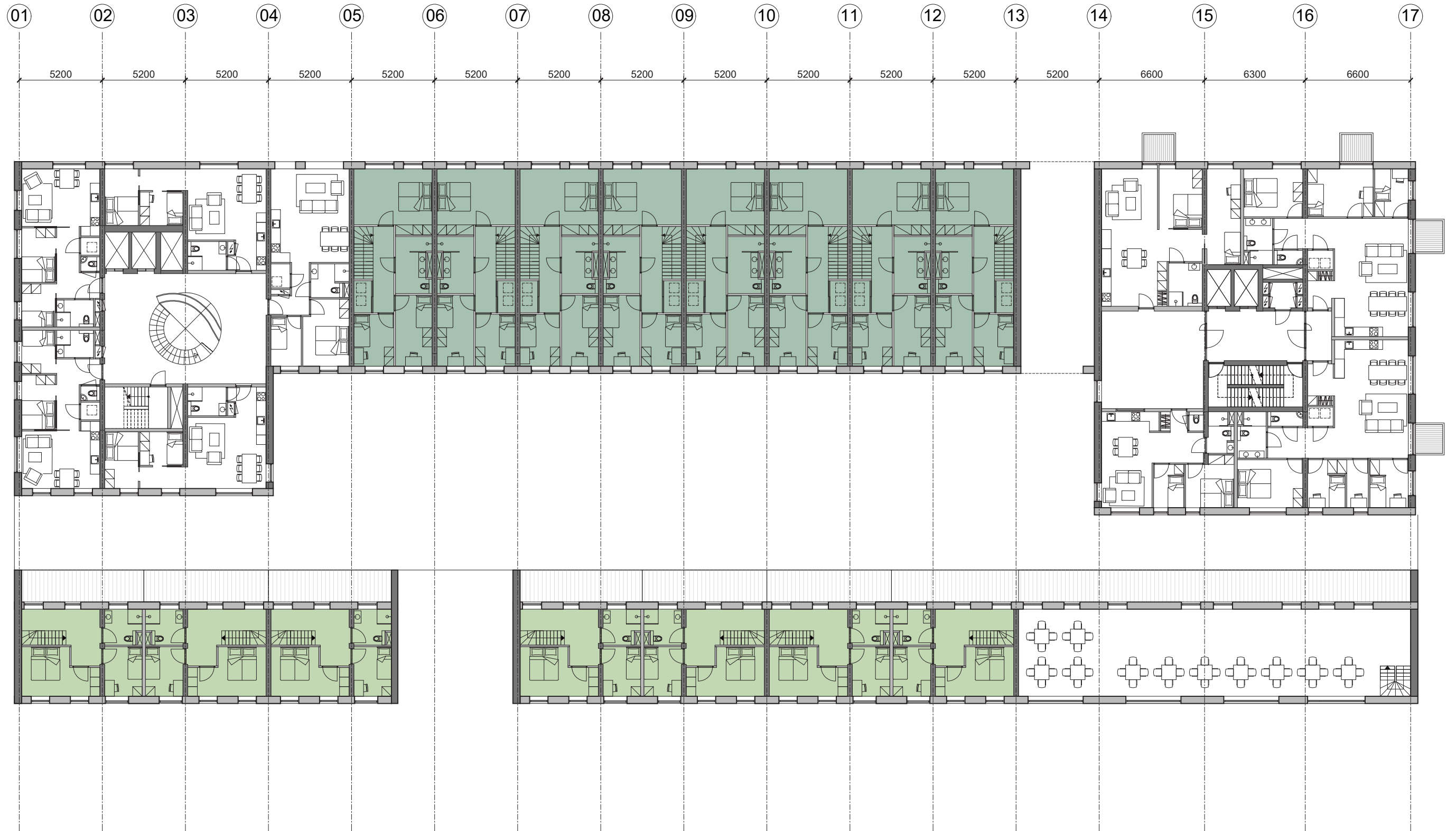
Design

First floor



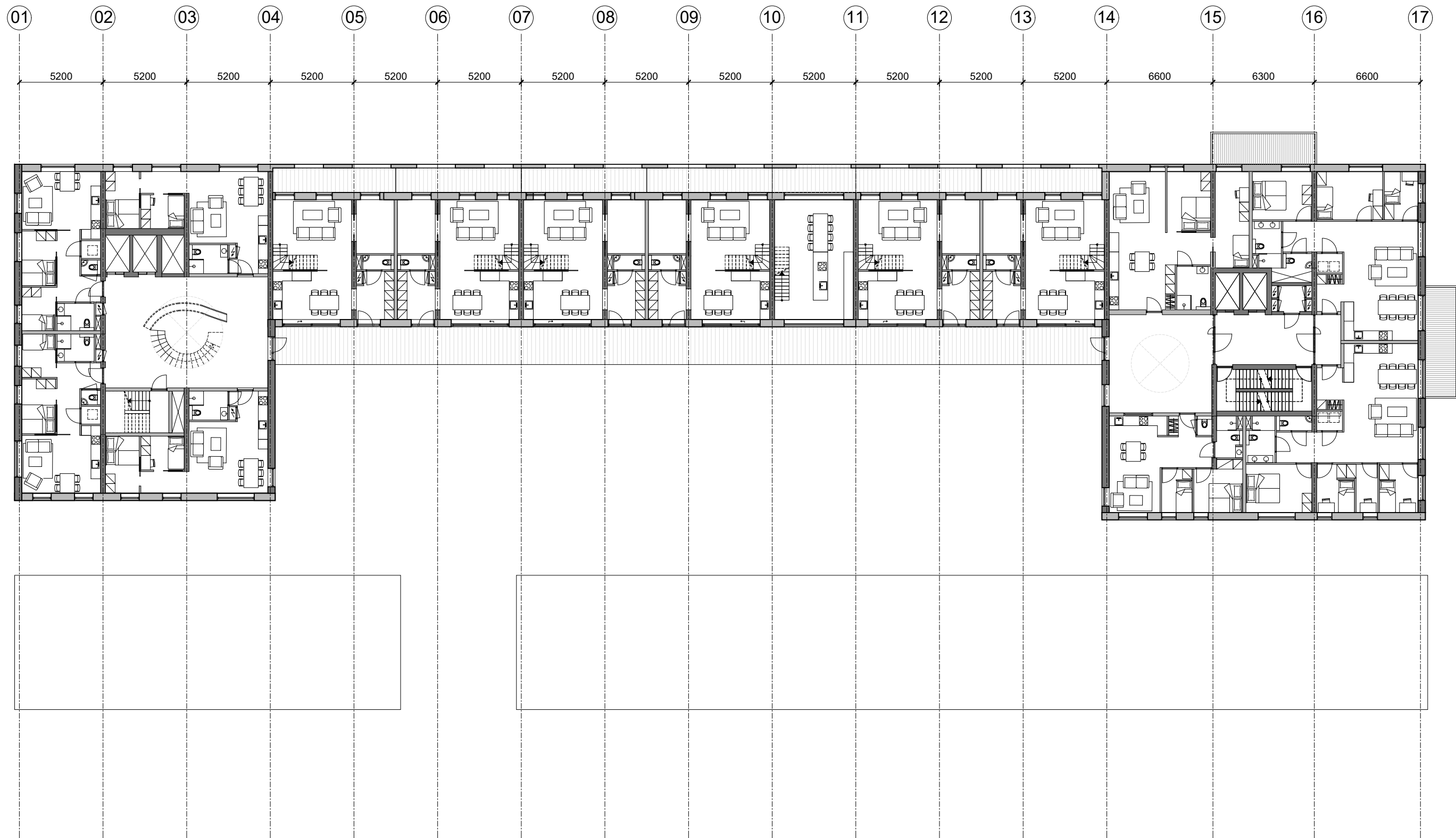
Design

First floor



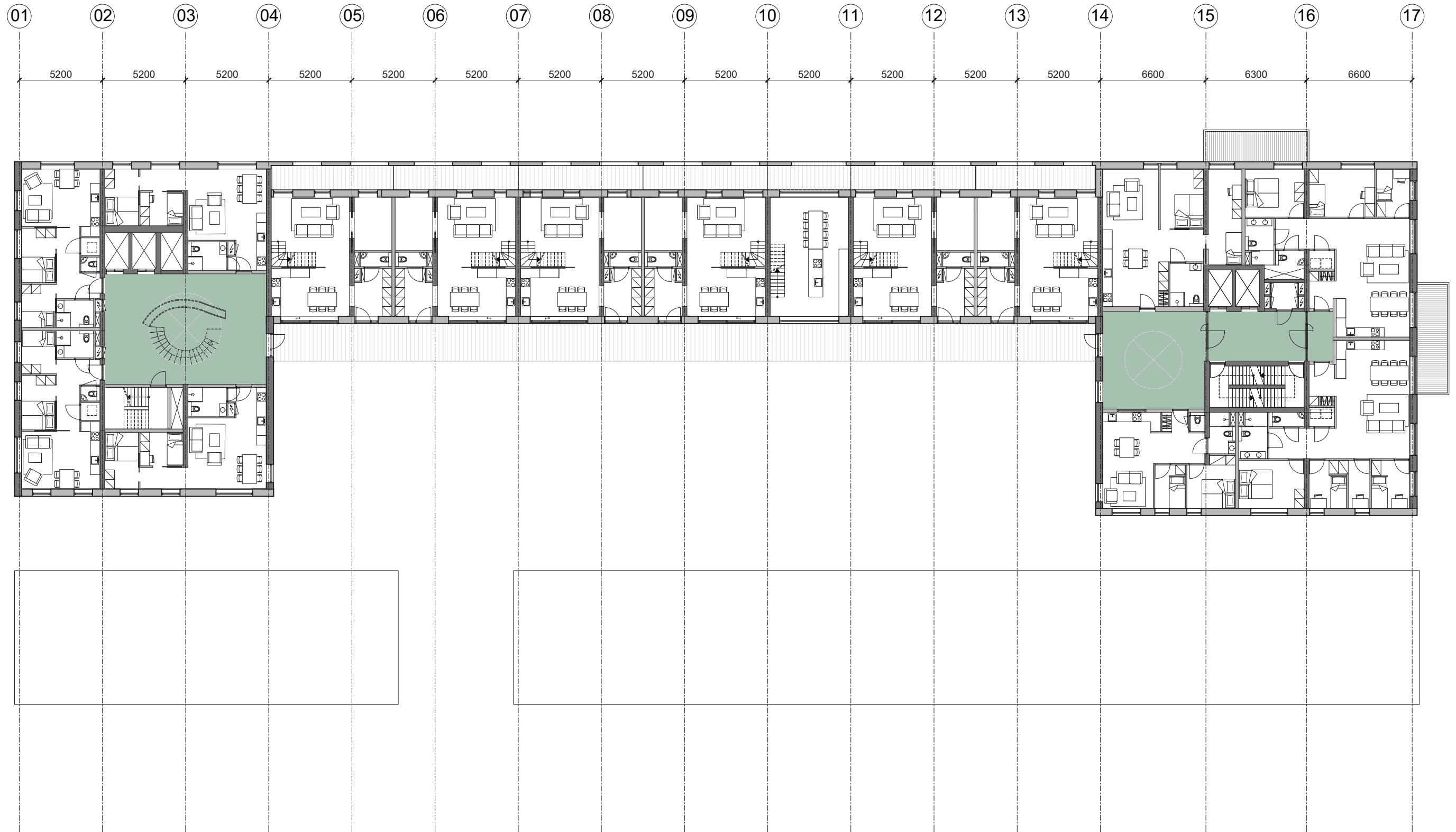
Design

Second floor



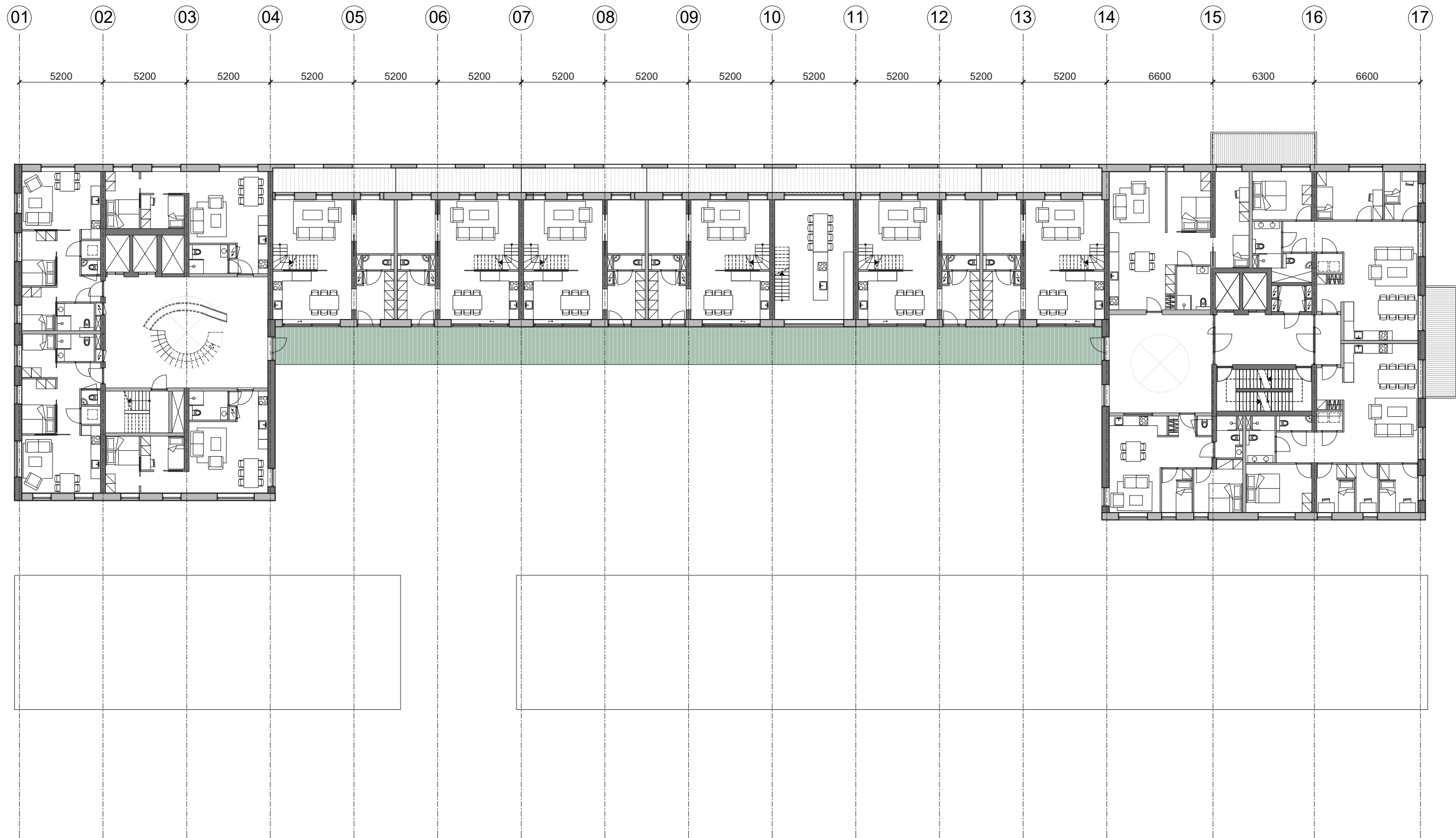
Design

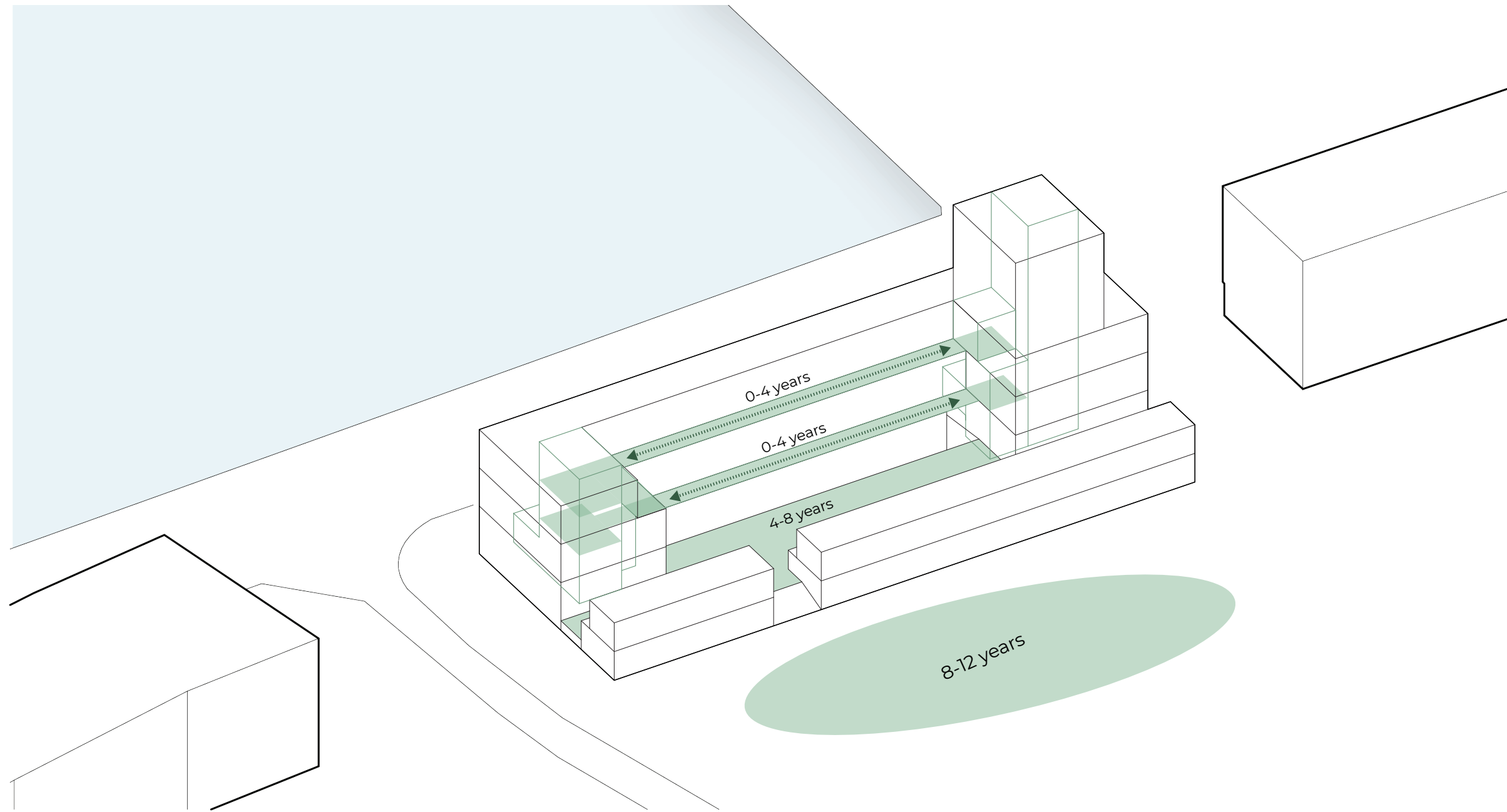
Second floor

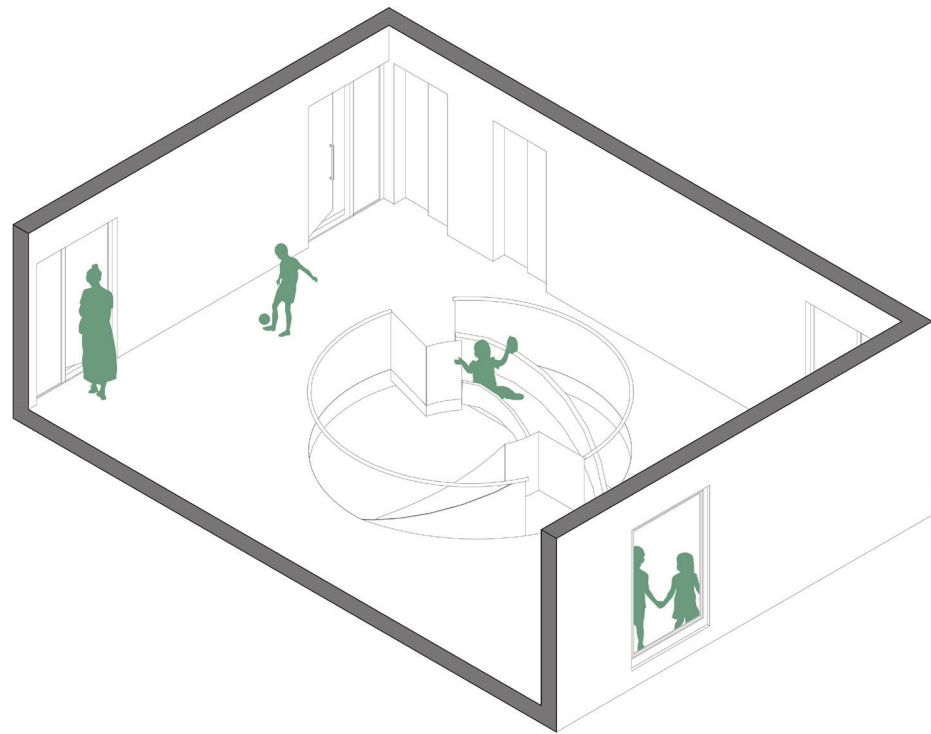


Design

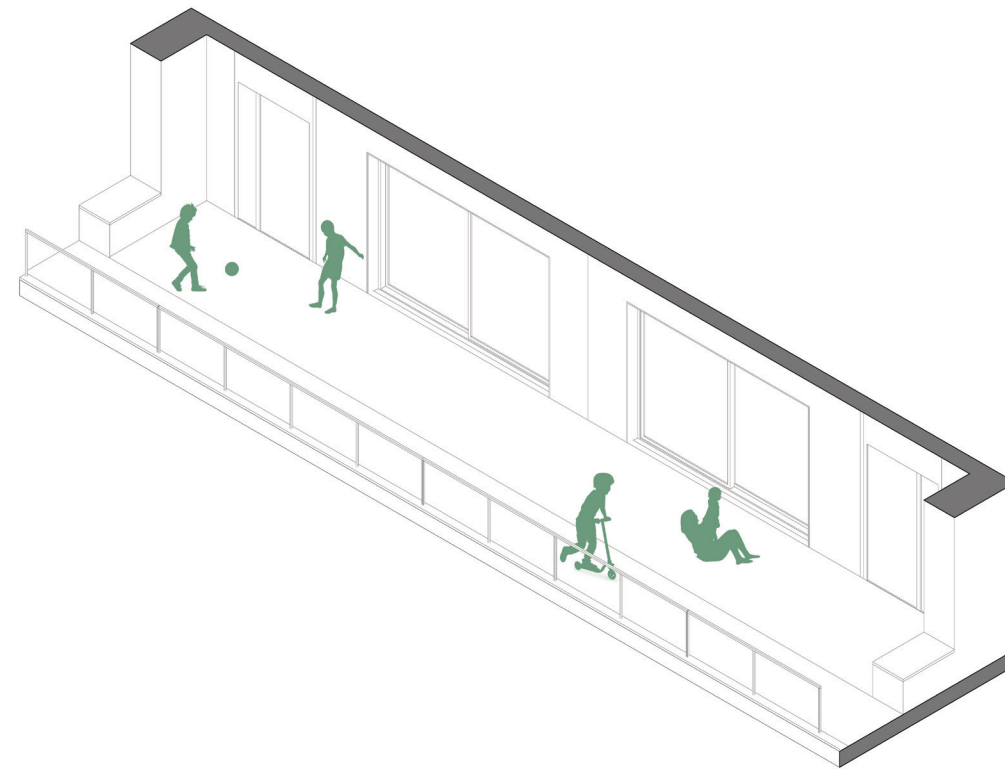
Second floor







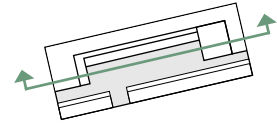
kern



galerij

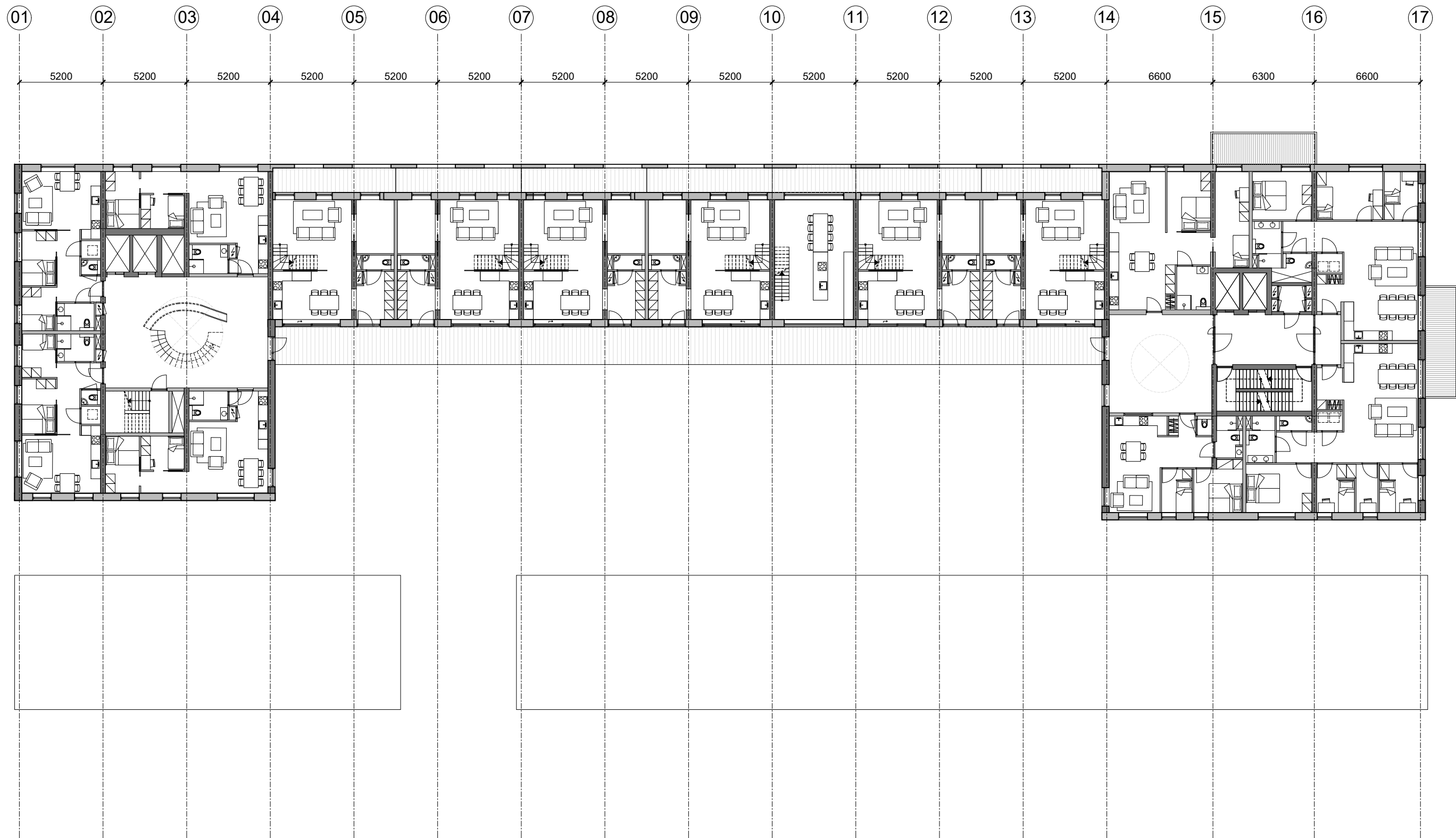
Design

Places to play



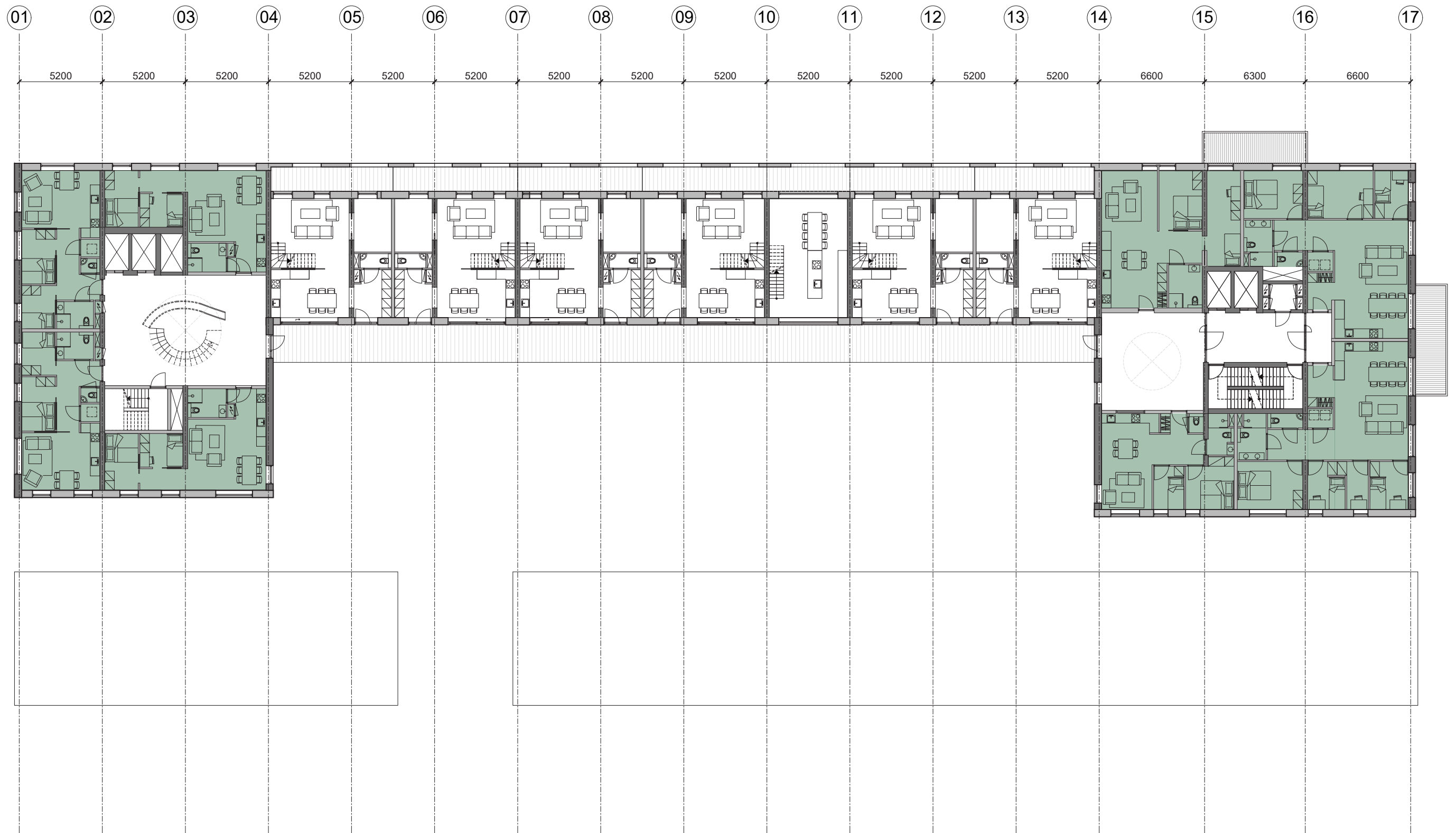
Design

Second floor



Design

Second floor



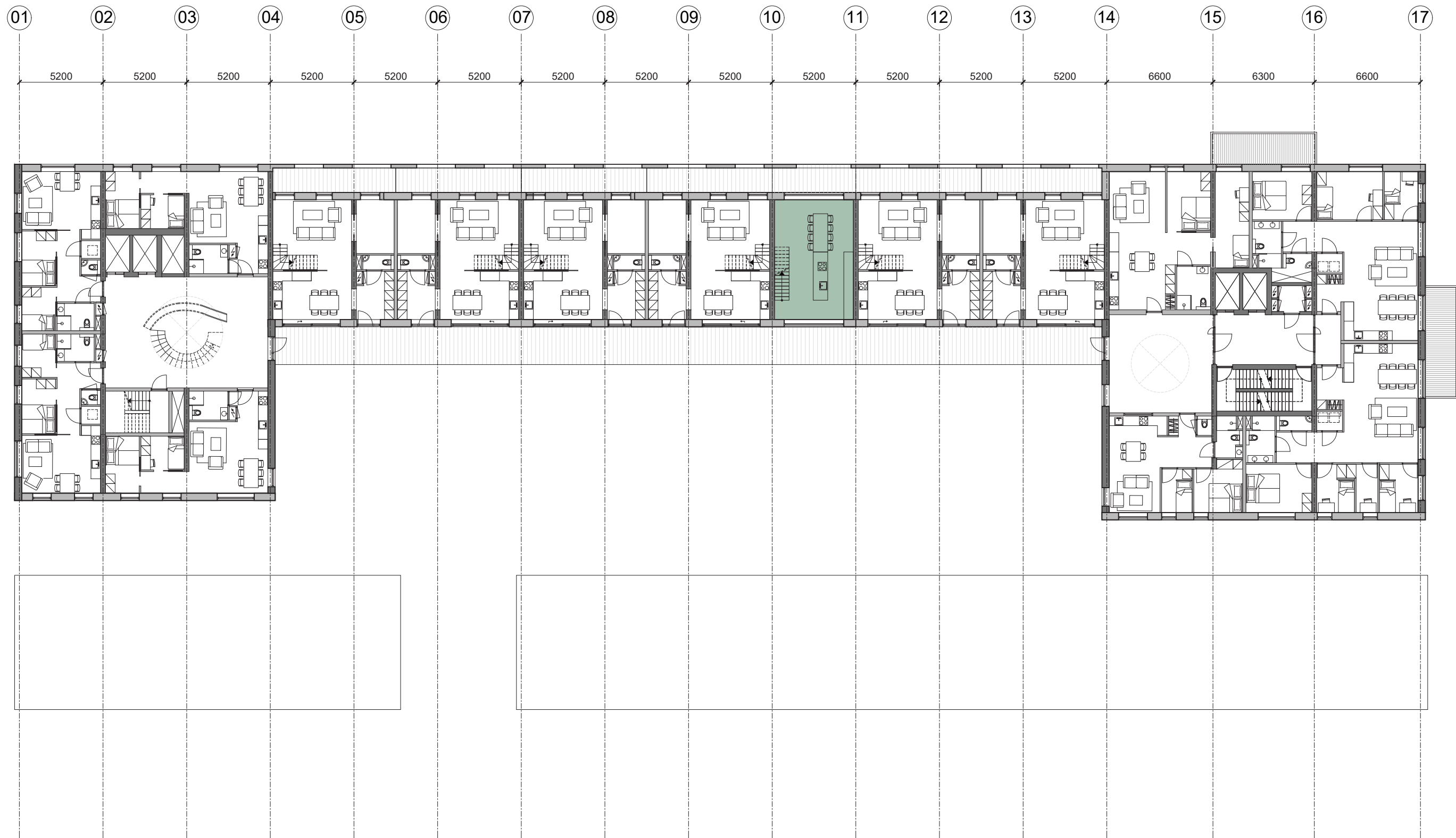
Design

Second floor



Design

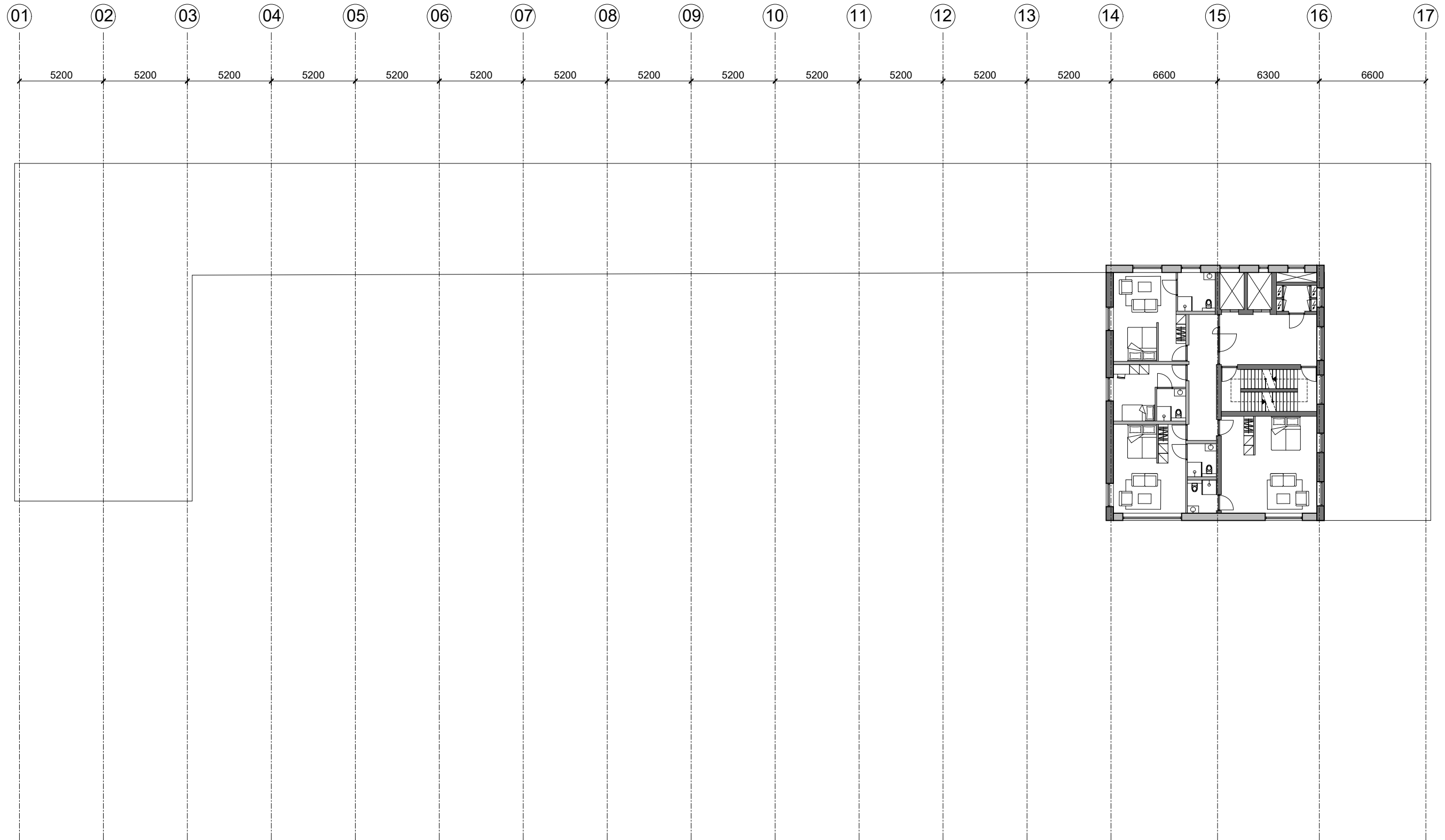
Second floor



collective kitchen & playroom

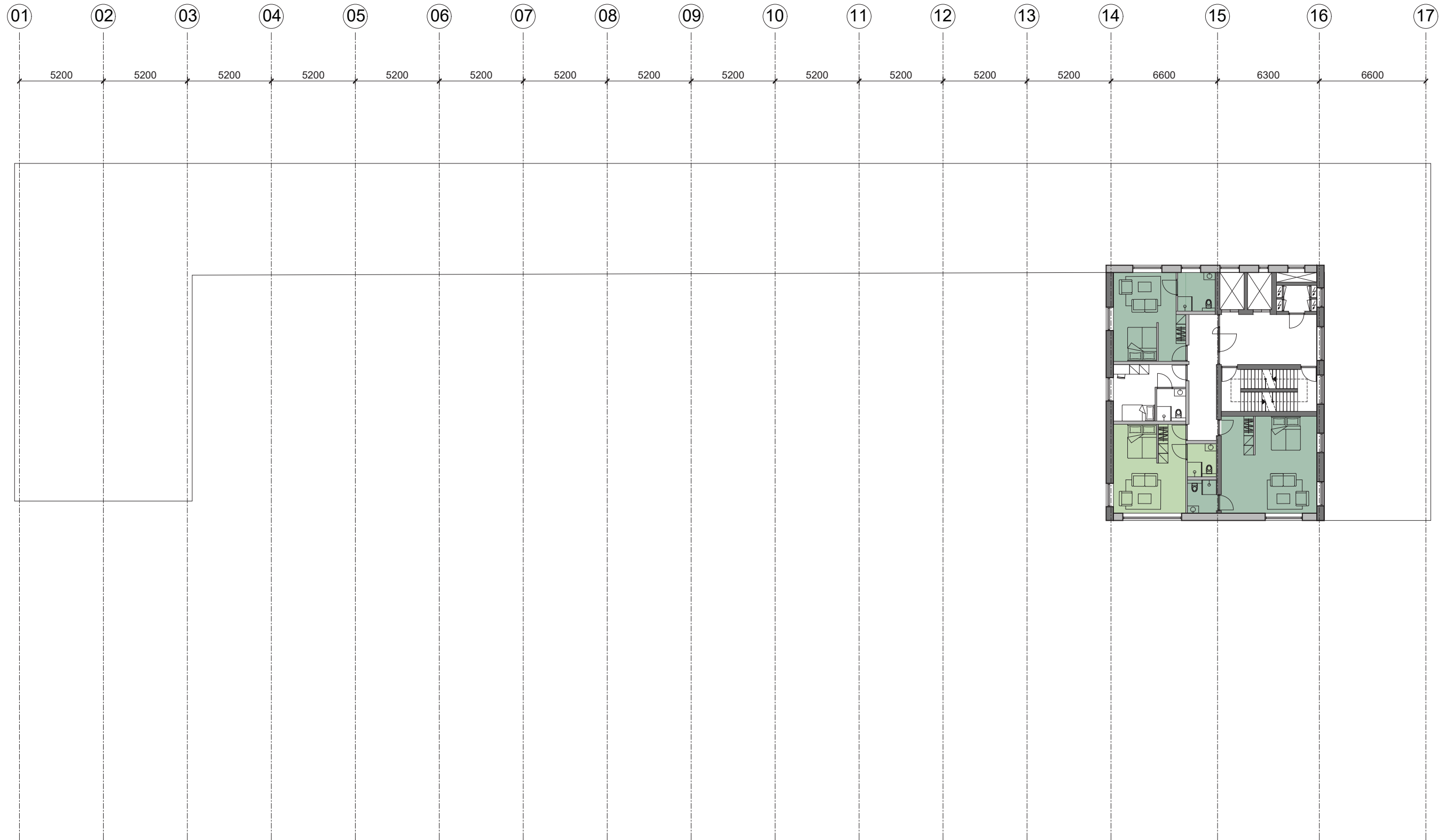
Design

Seventh floor



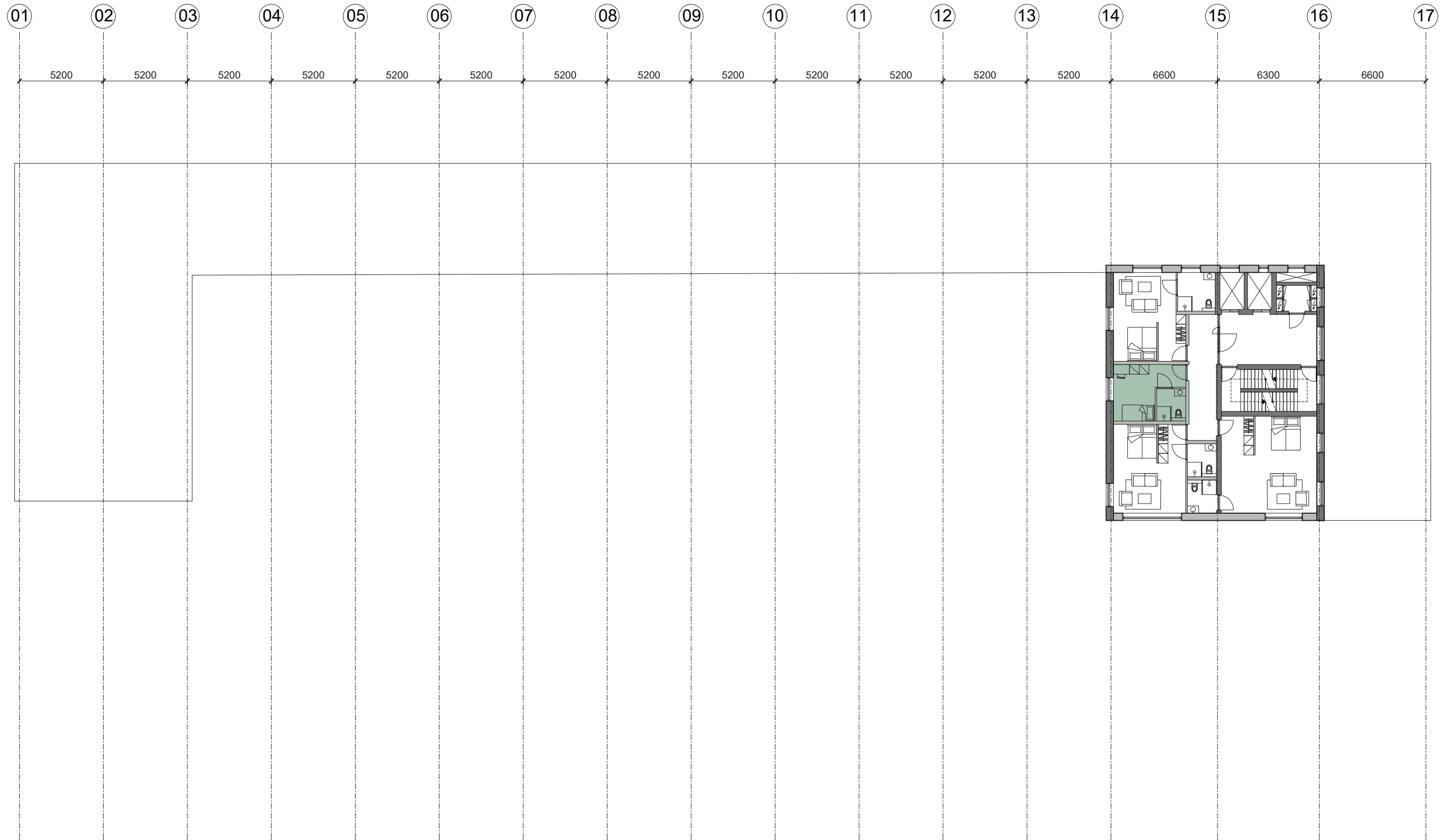
Design

Seventh floor



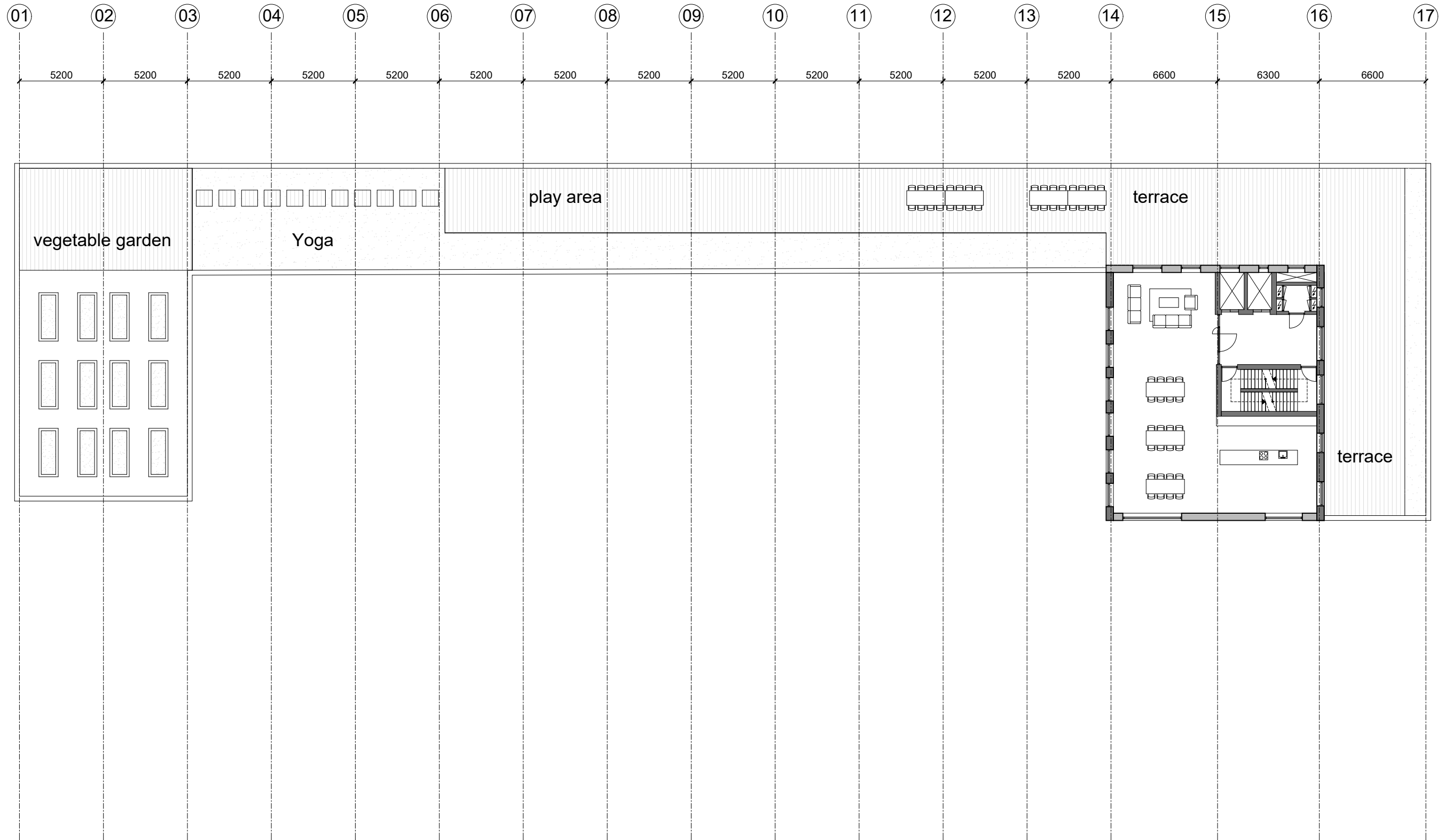
Design

Seventh floor



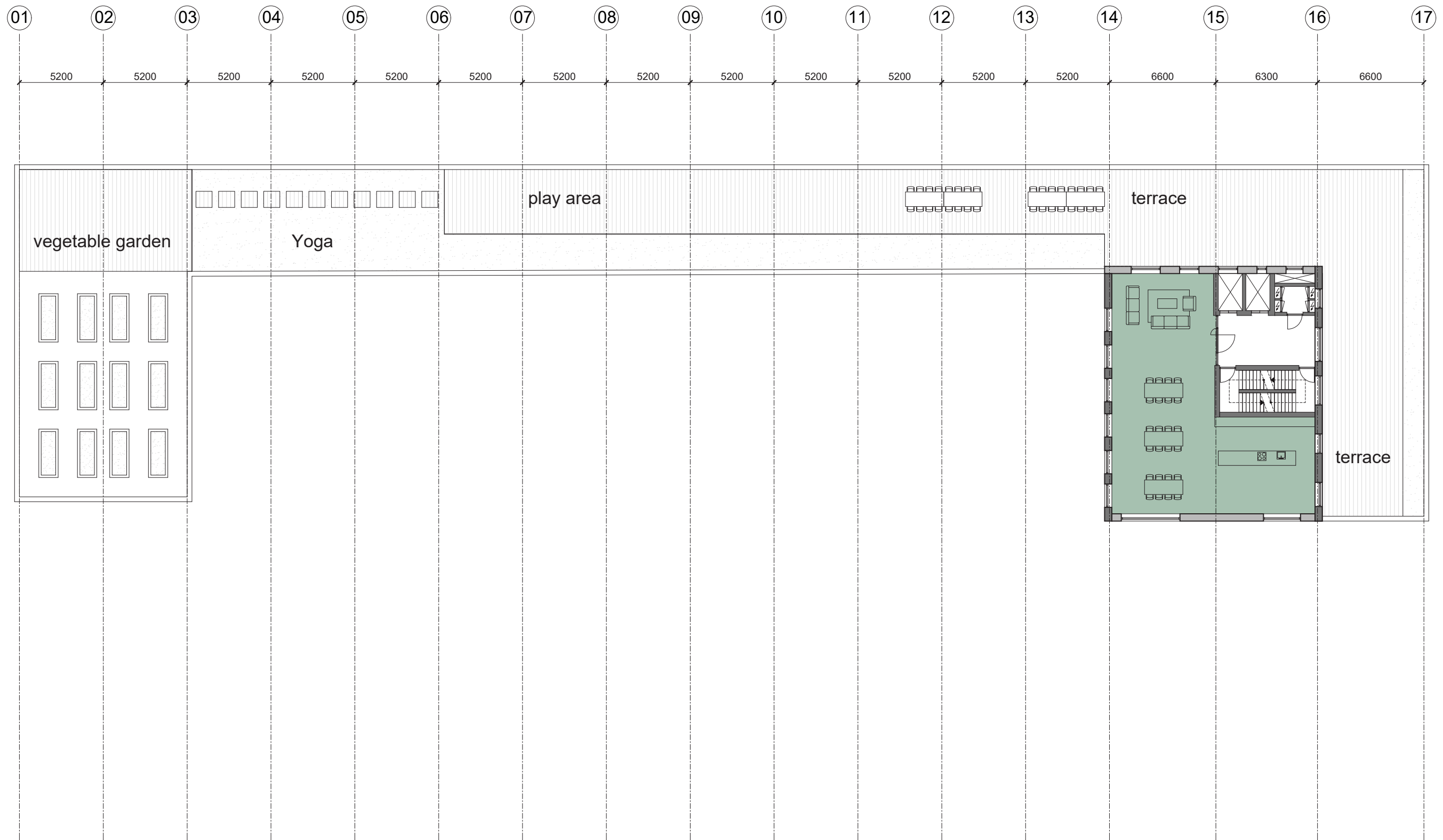
Design

Sixth floor



Design

Sixth floor









Design

Material



Design

Northwest facade



Design

Northeast facade



Design

Southwest facade



Design

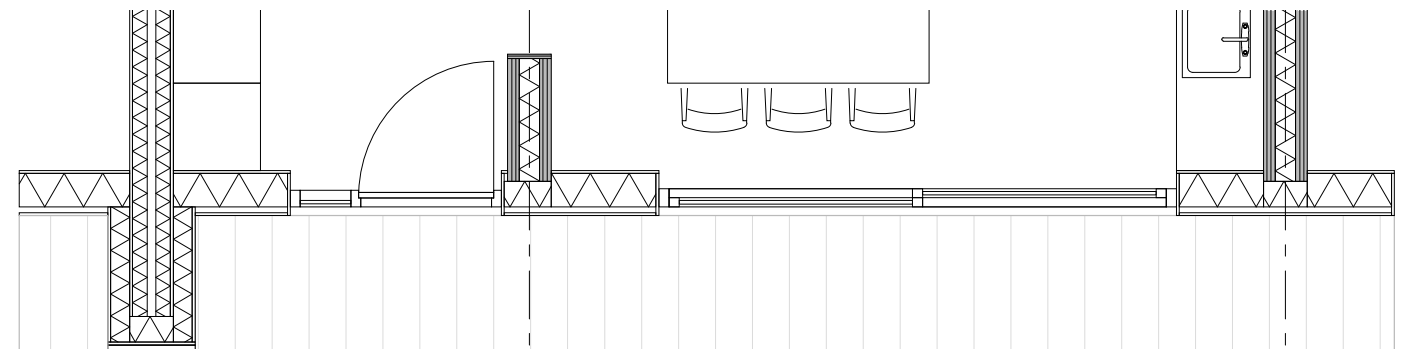
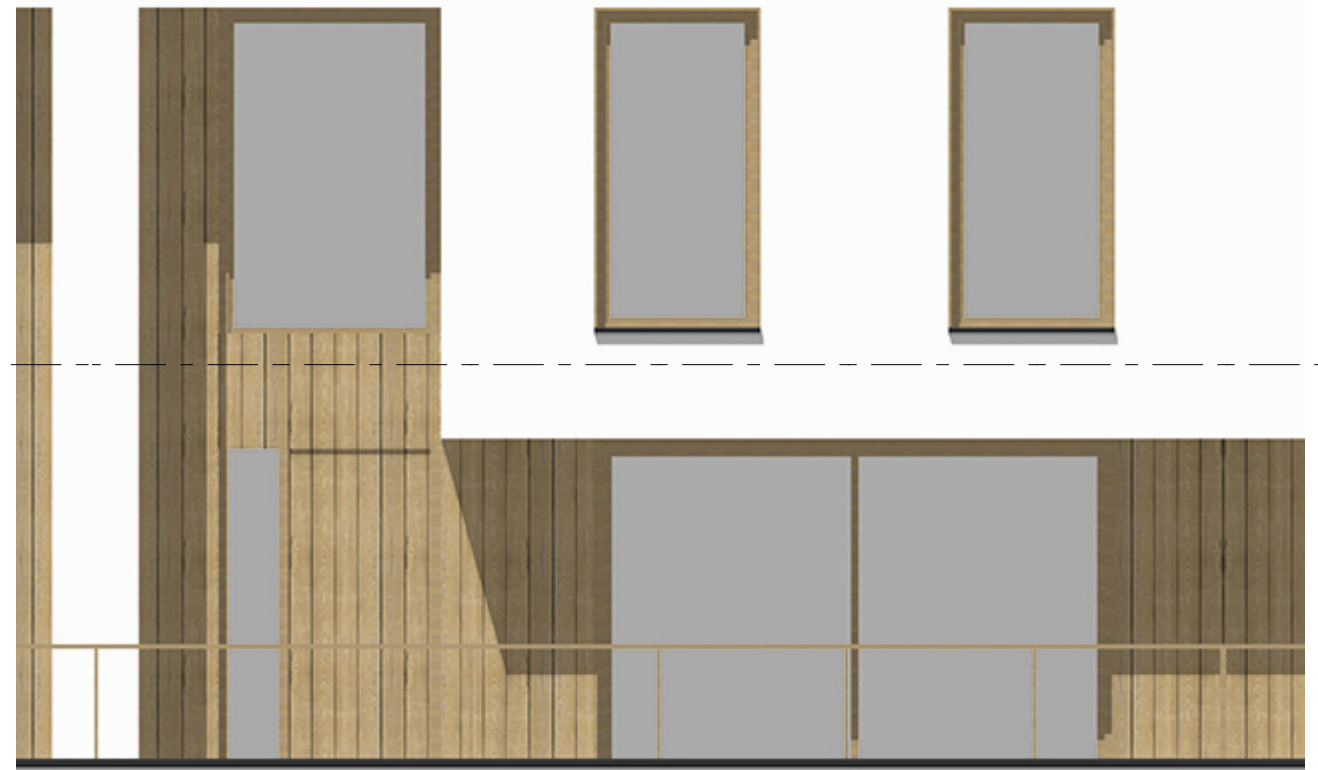
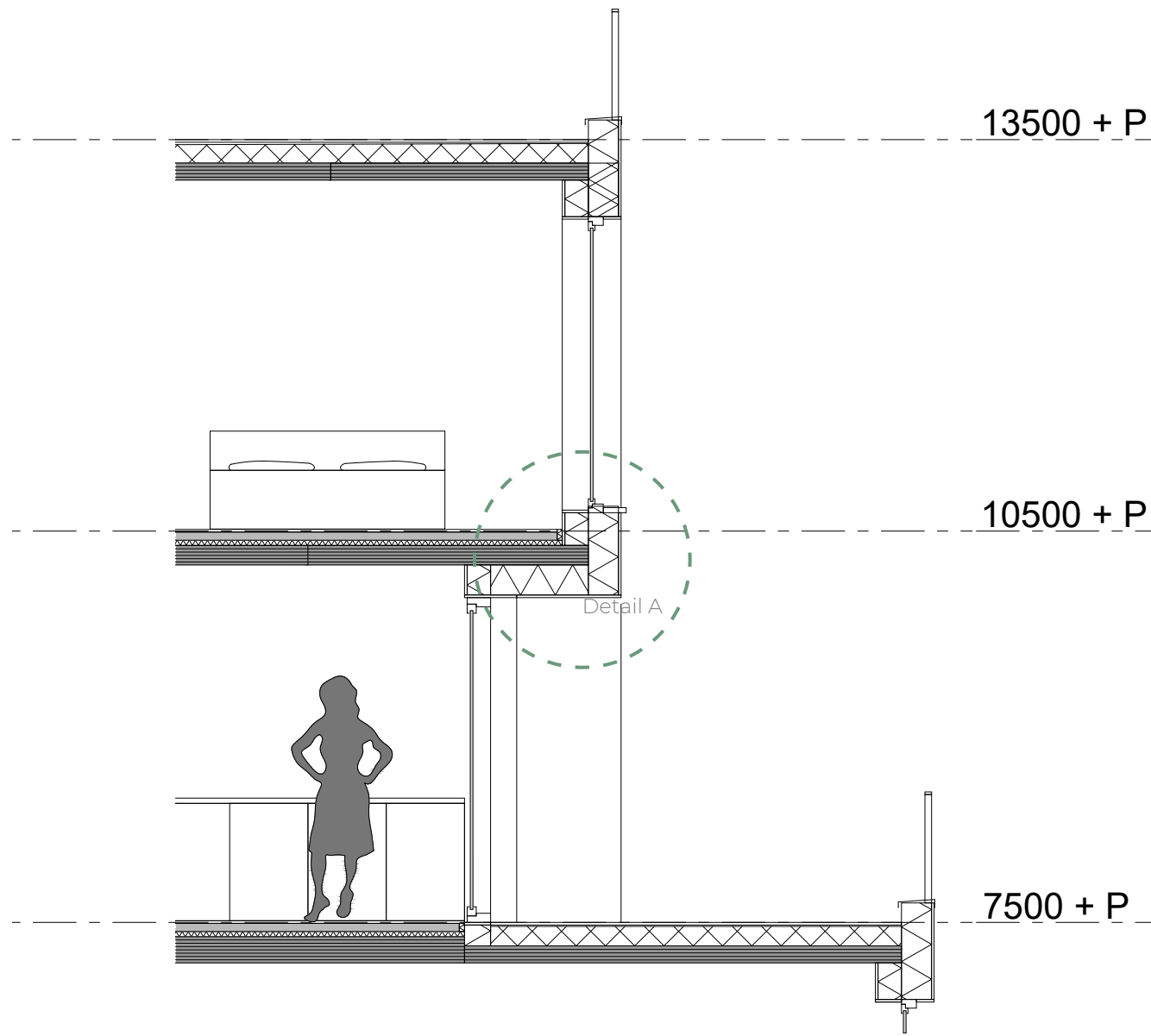
Southeast facade

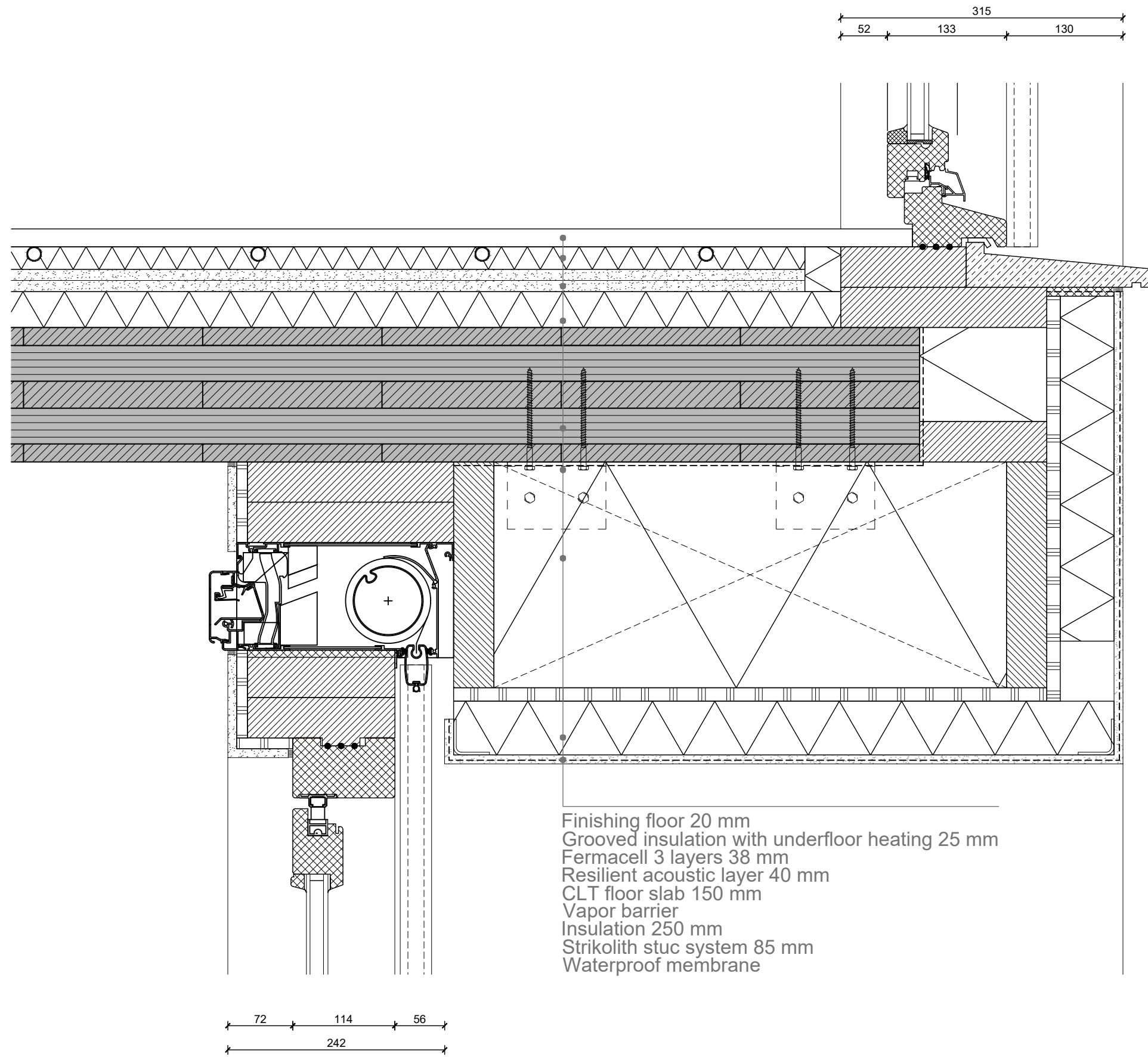


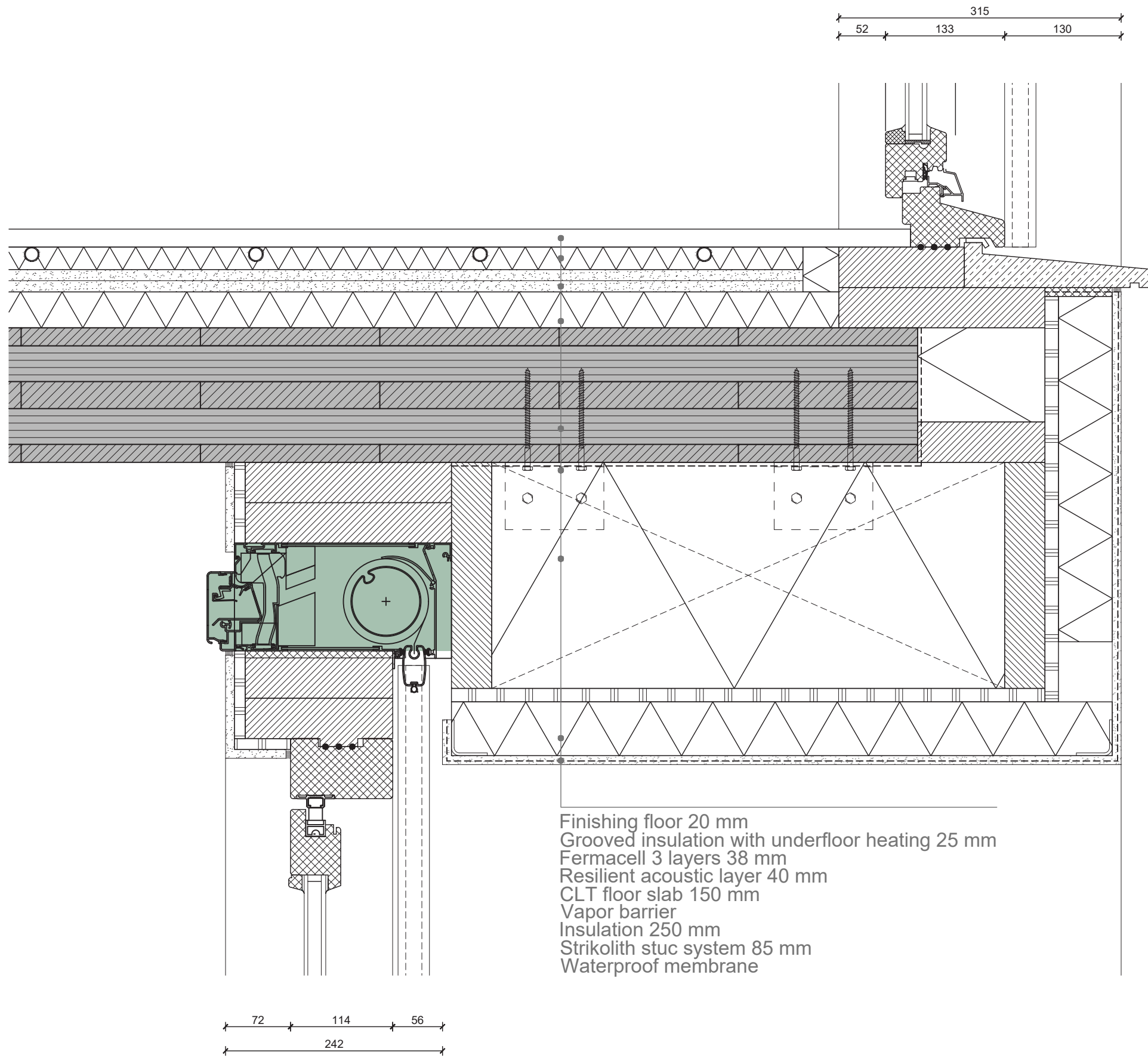
Design

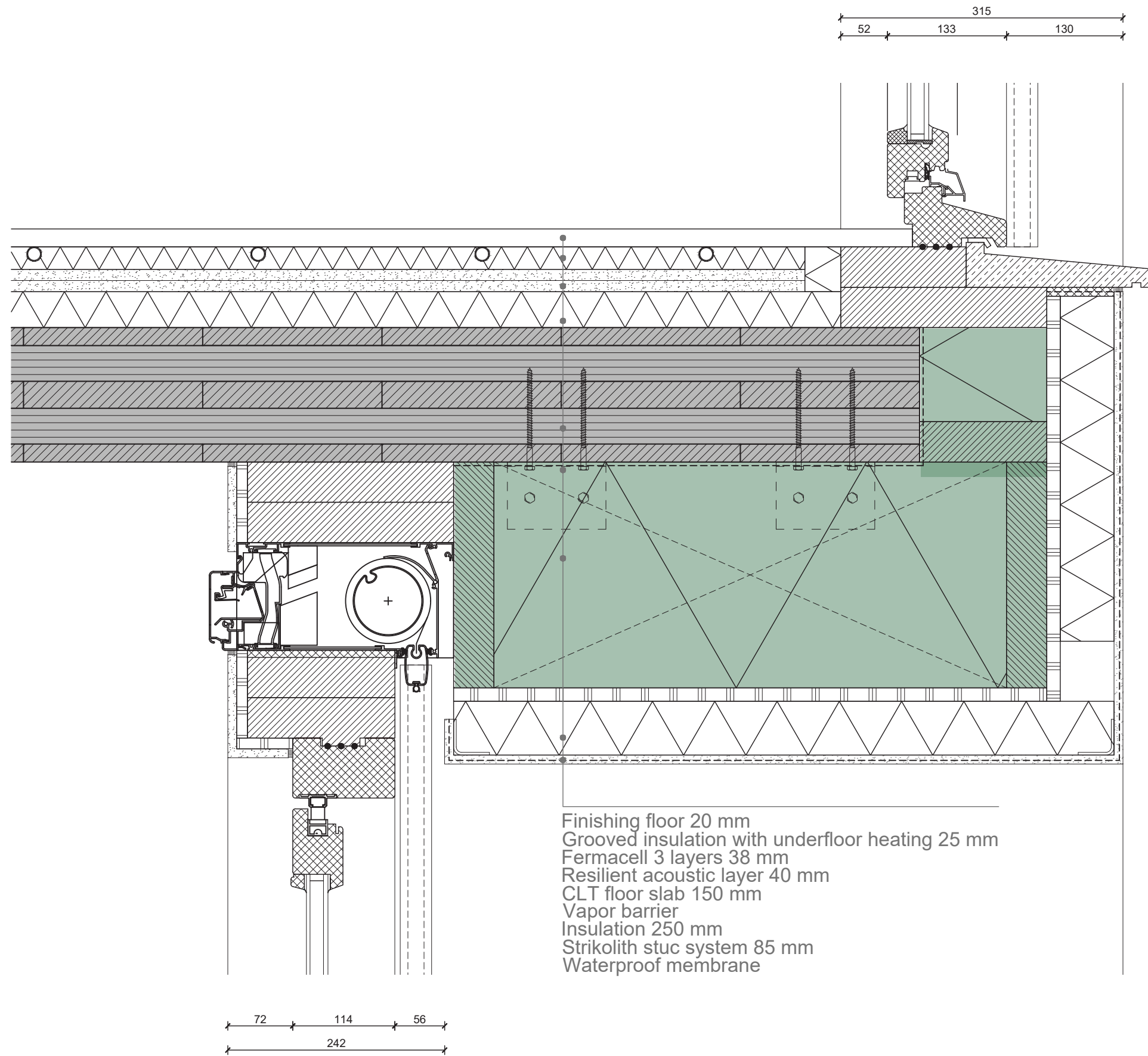
Courtyard facade

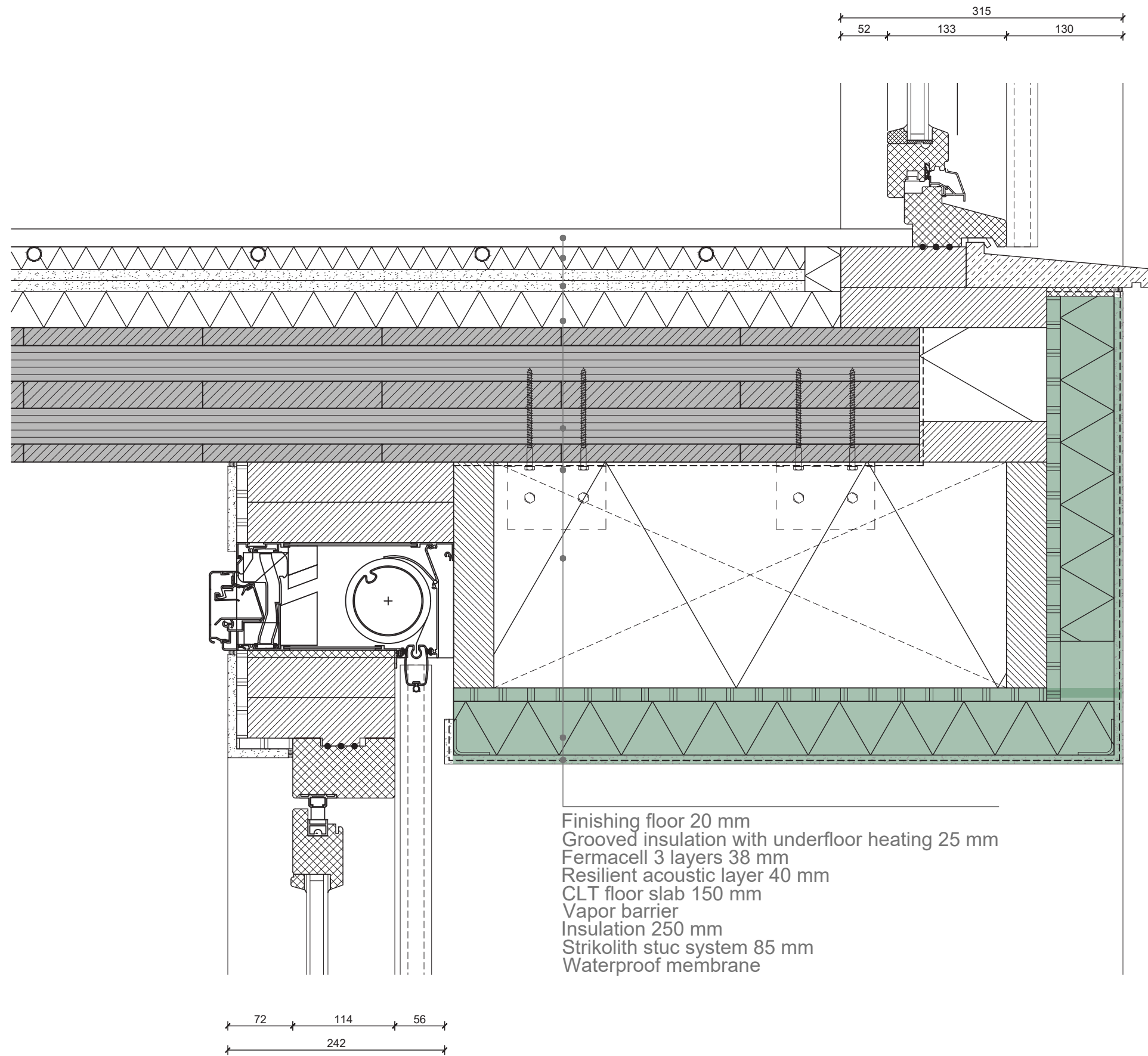


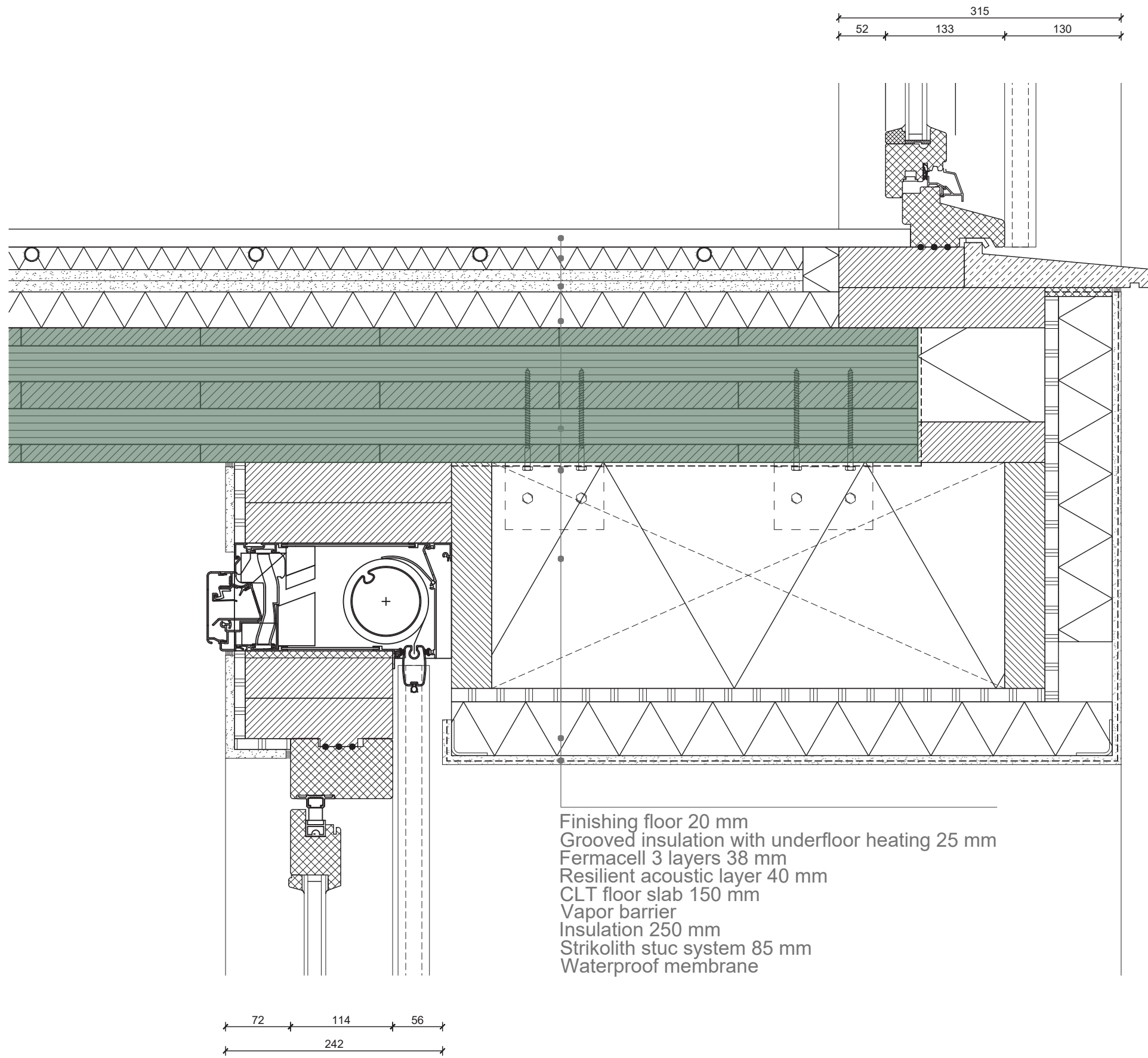




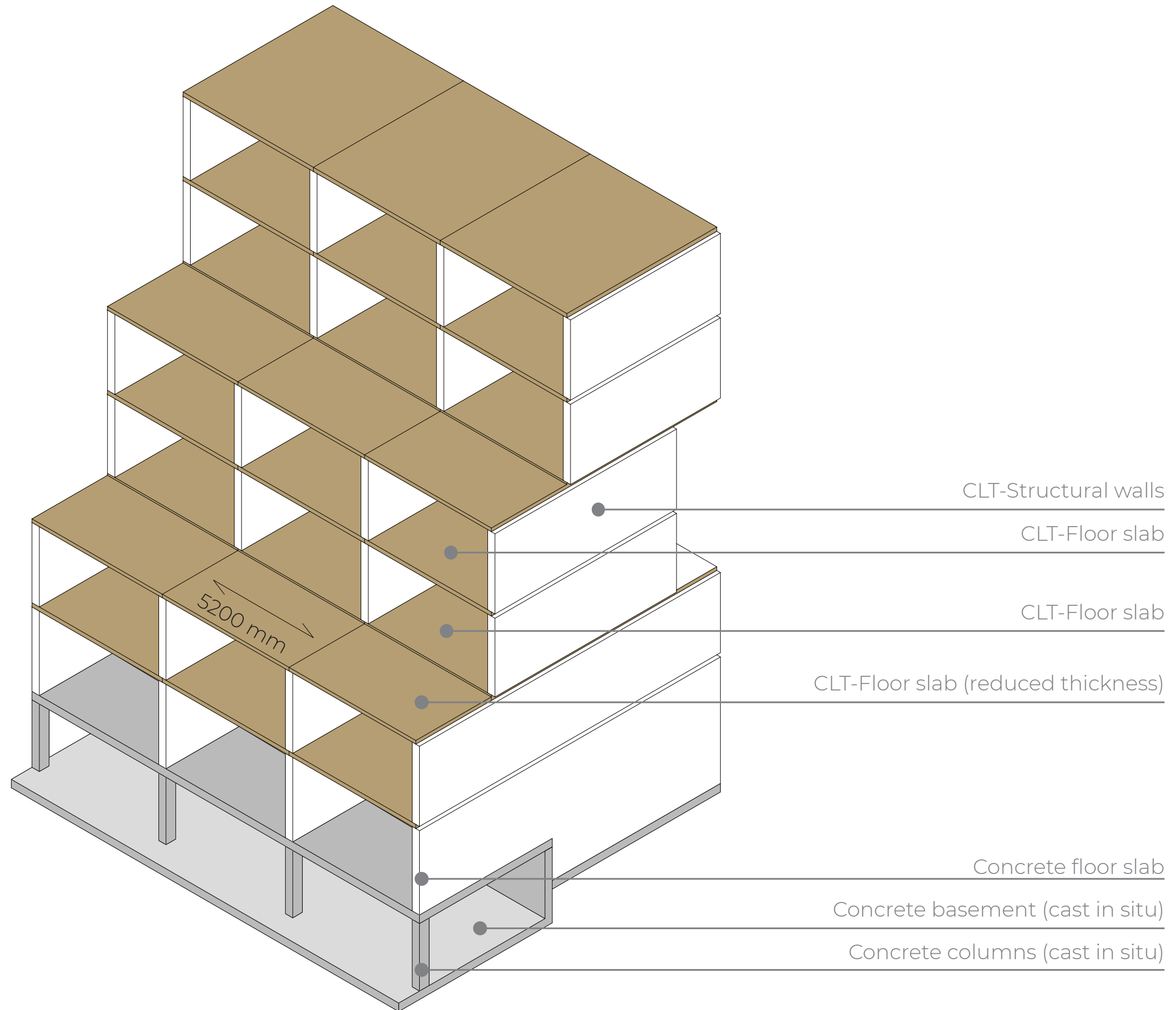










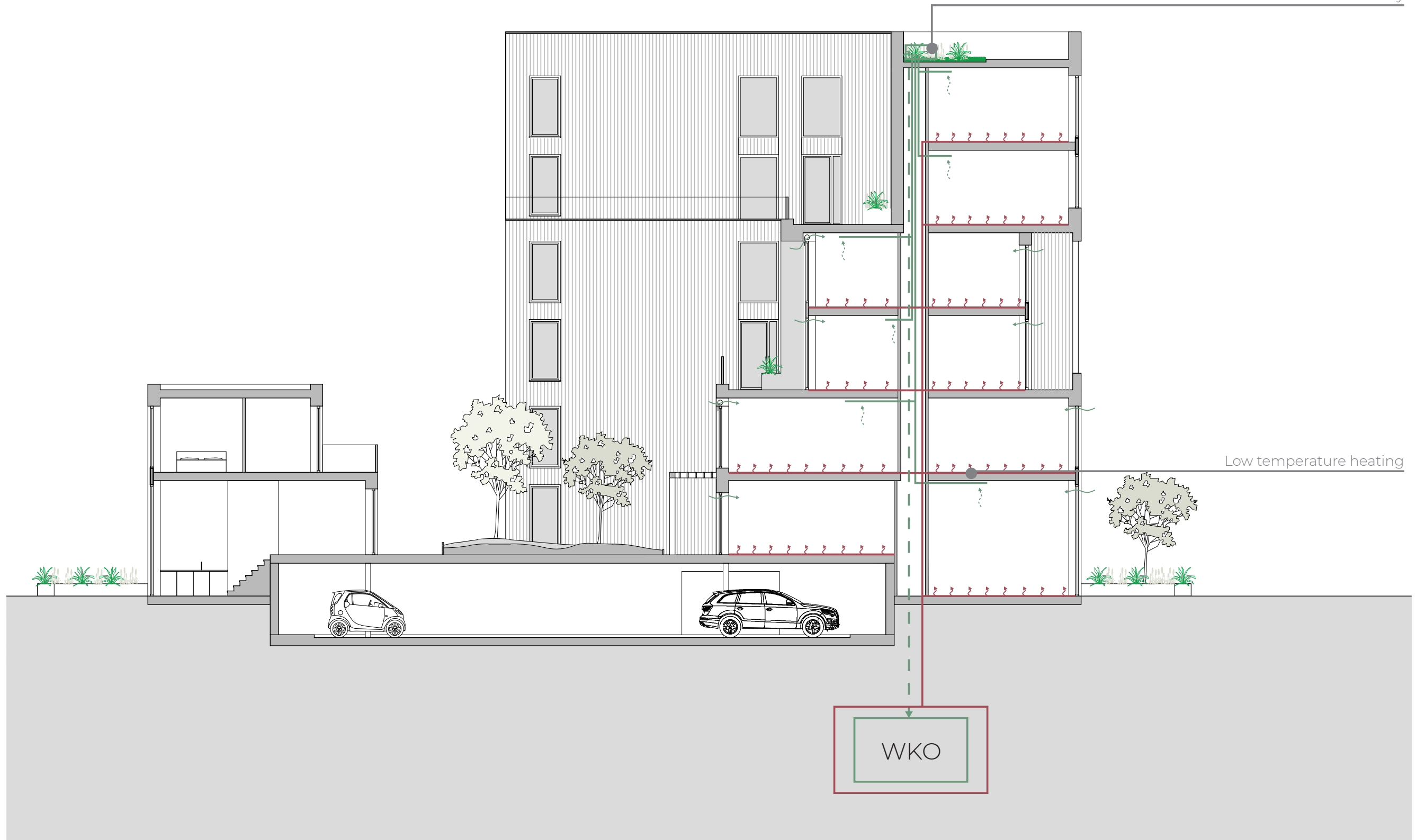


Design

Heating & ventilation

Heat recovery

Low temperature heating



Design

Sun shading

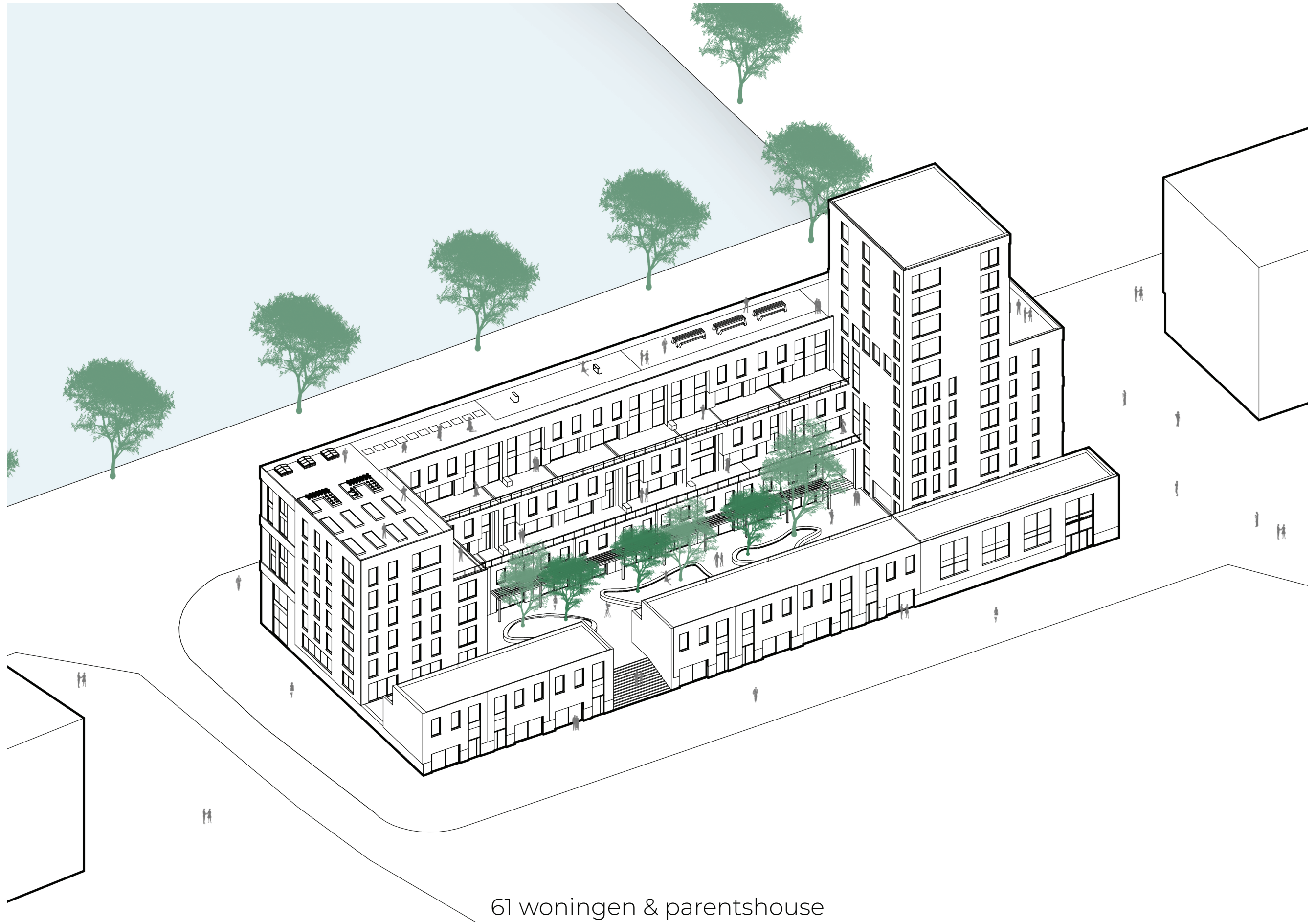


Design

Water management



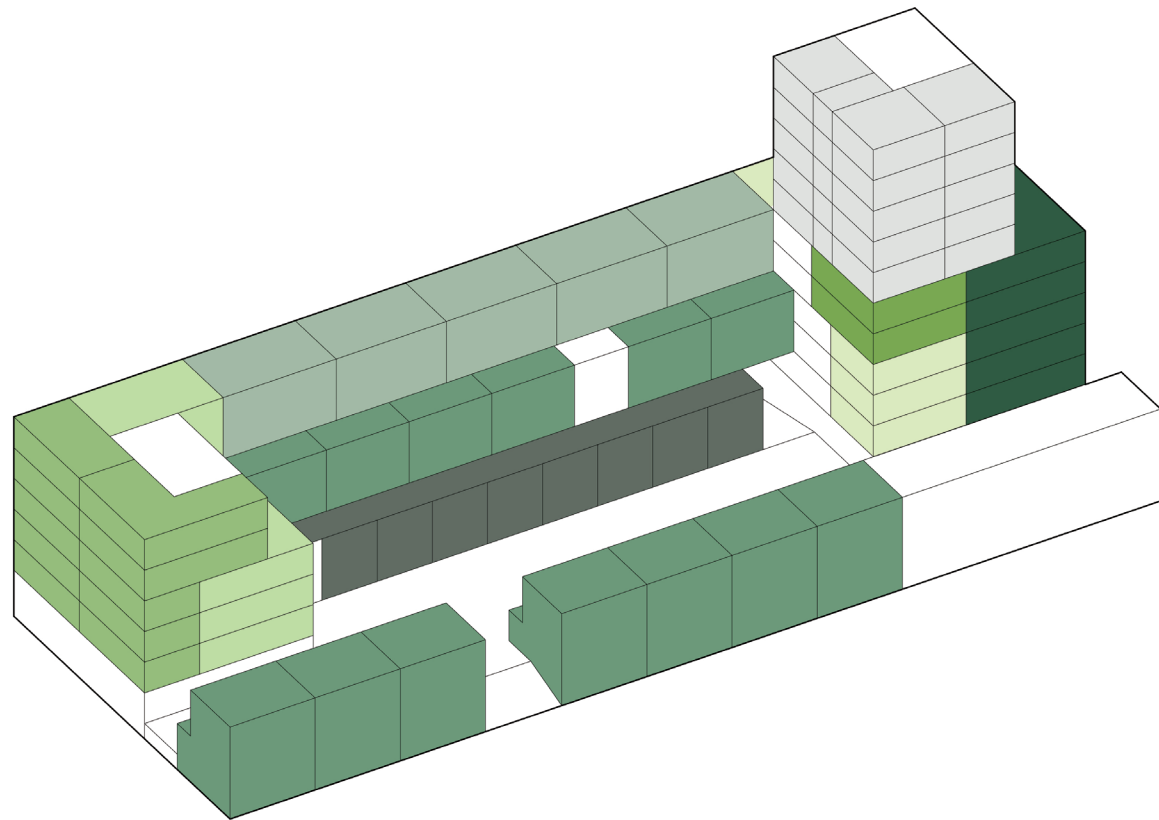




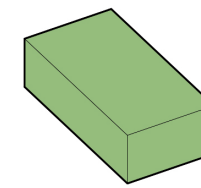
61 woningen & parents house

Design

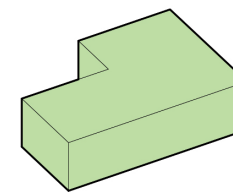
Typology



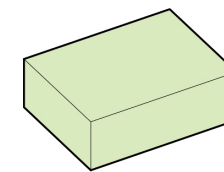
Apartment A



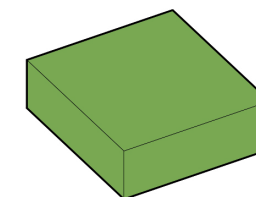
Apartment B



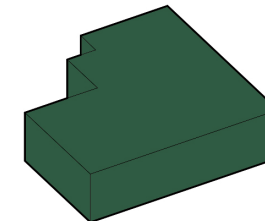
Apartment C



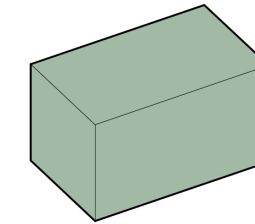
Apartment D



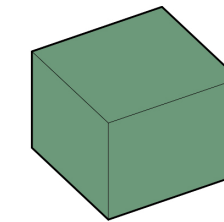
Apartment E



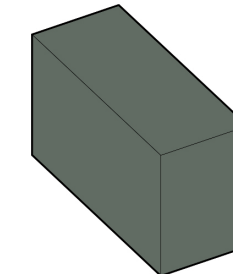
Duplex A



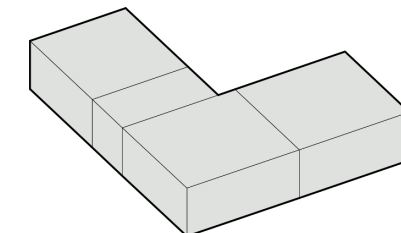
Duplex B



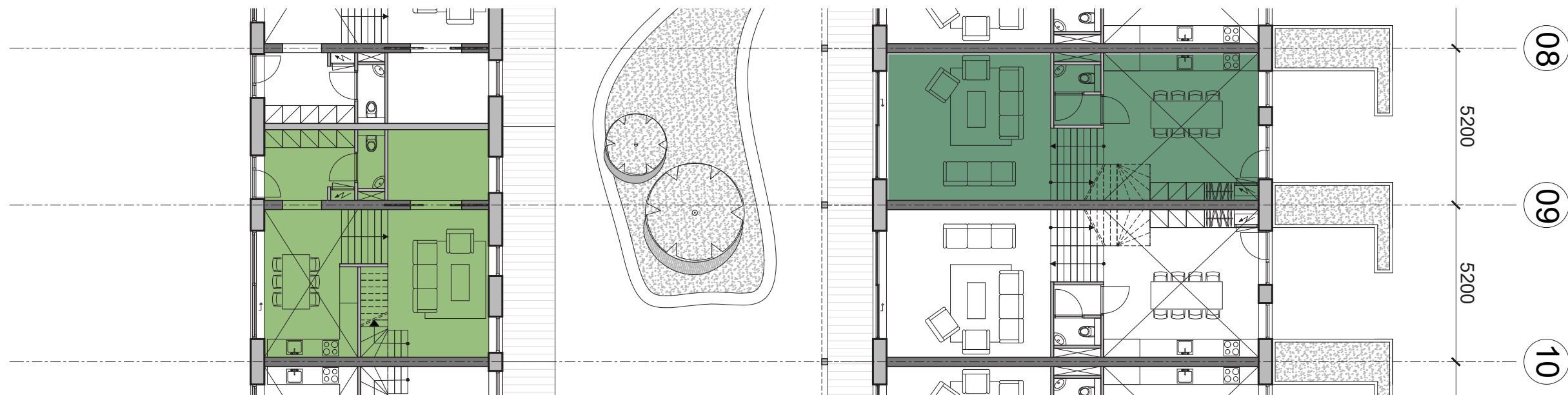
Duplex C



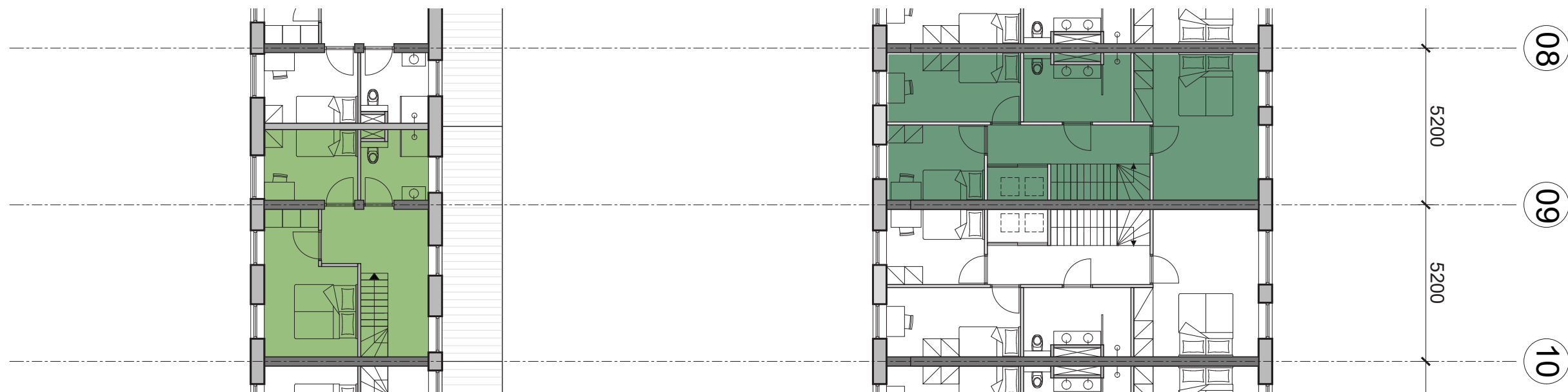
Parentshouse



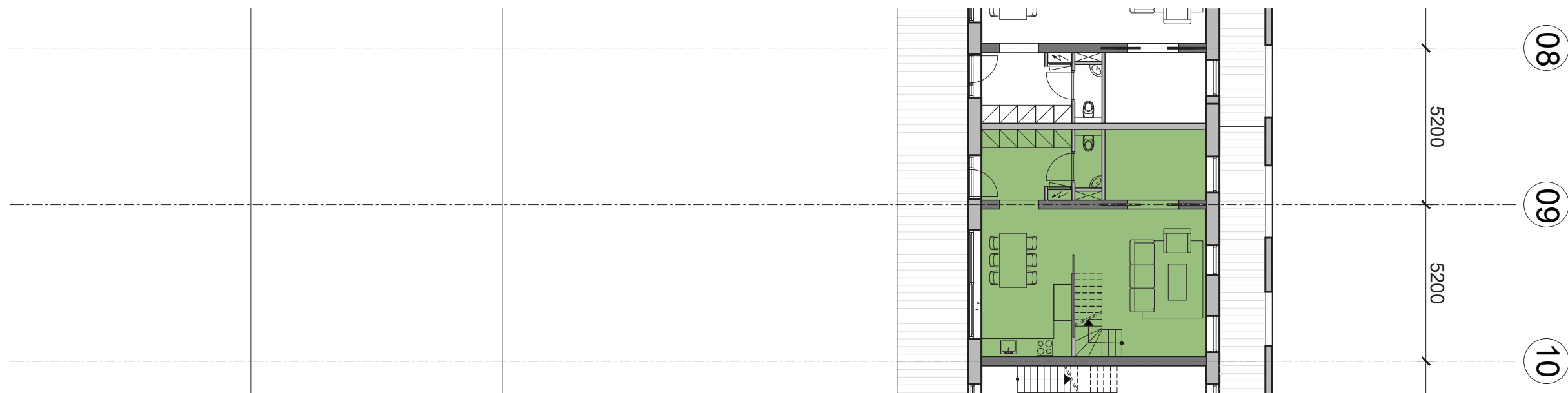
Design



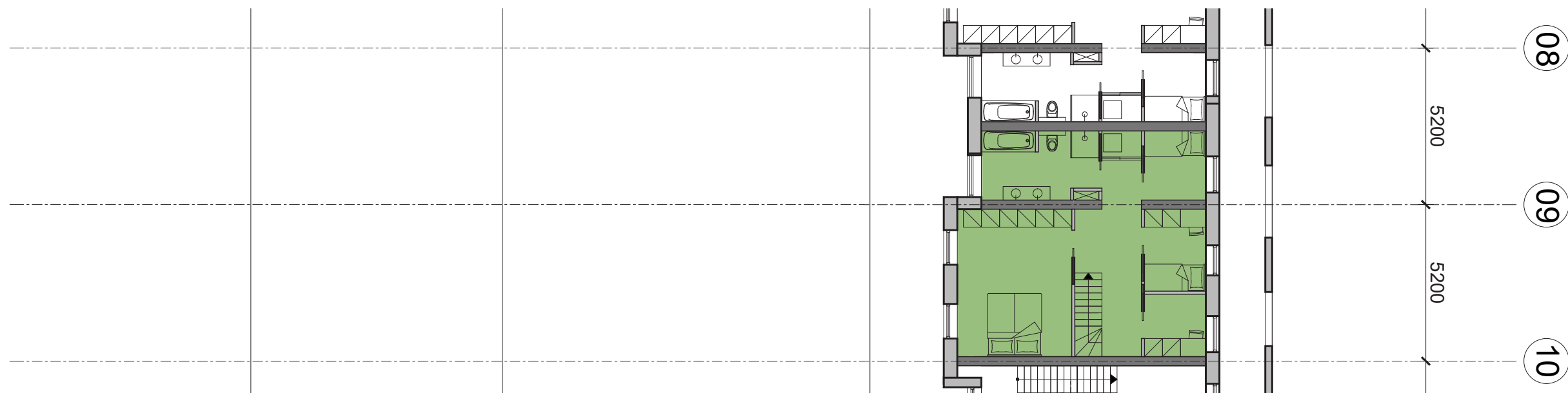
Design



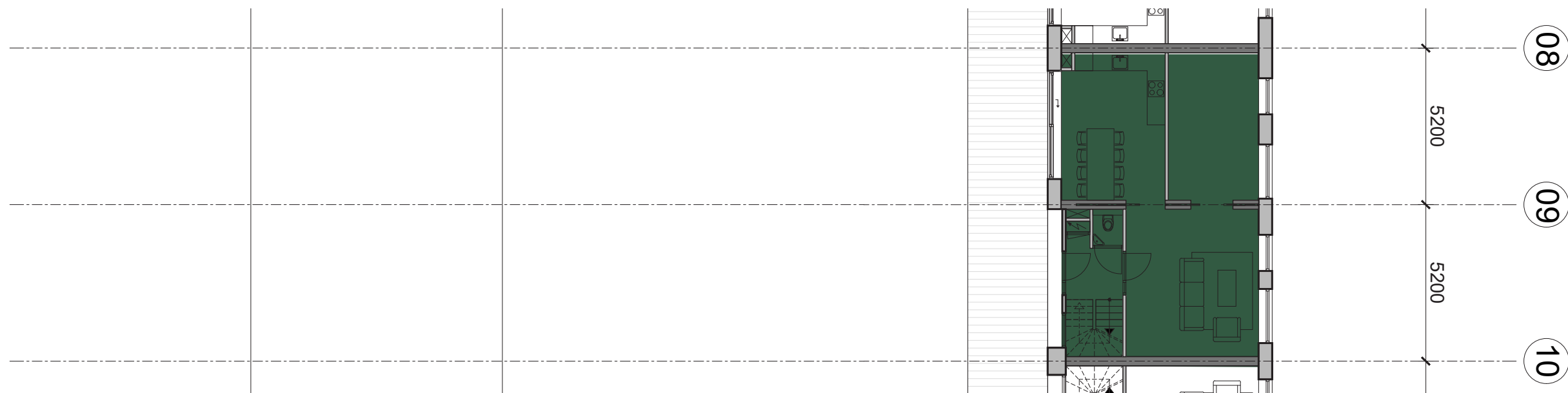
Design



Design



Design



Design



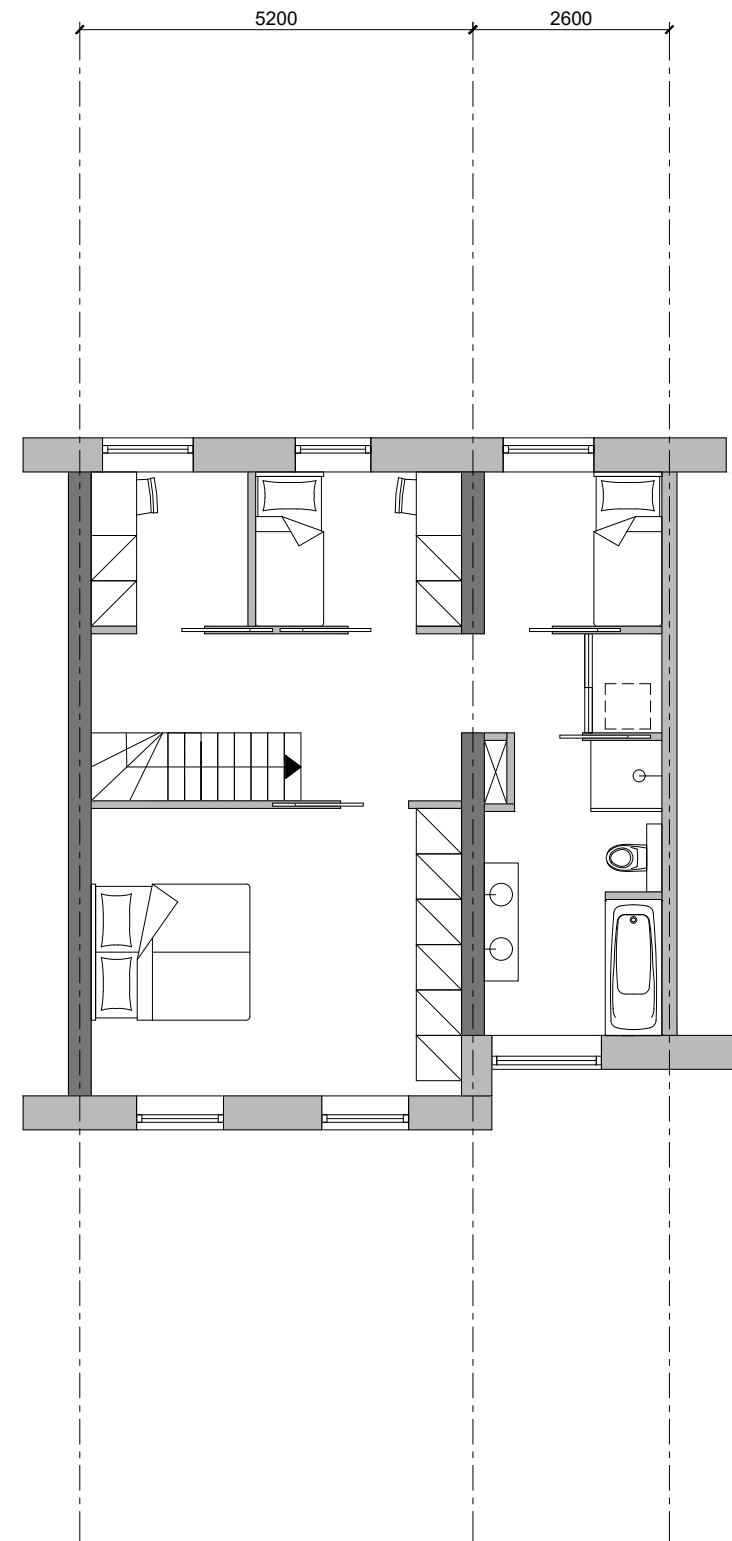
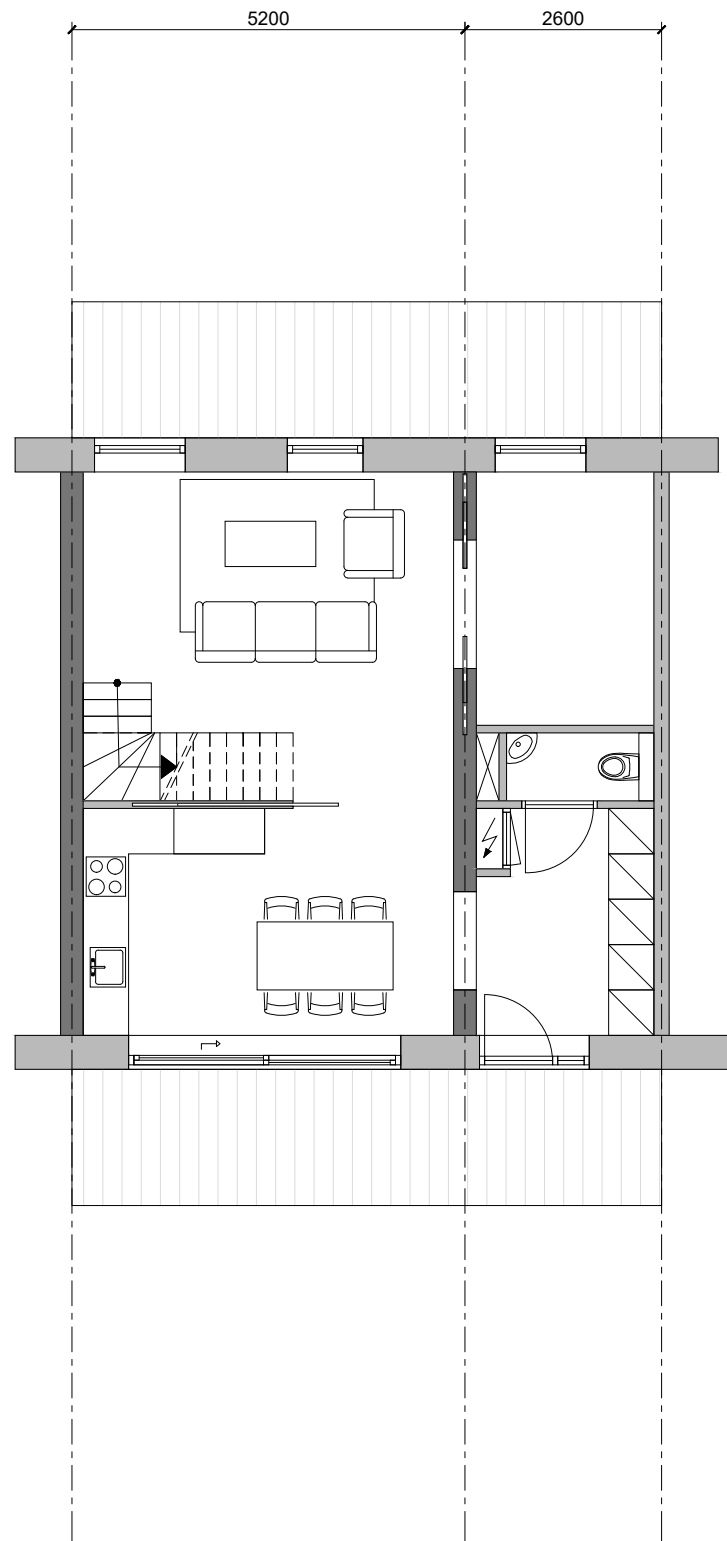
Design

Duplex B



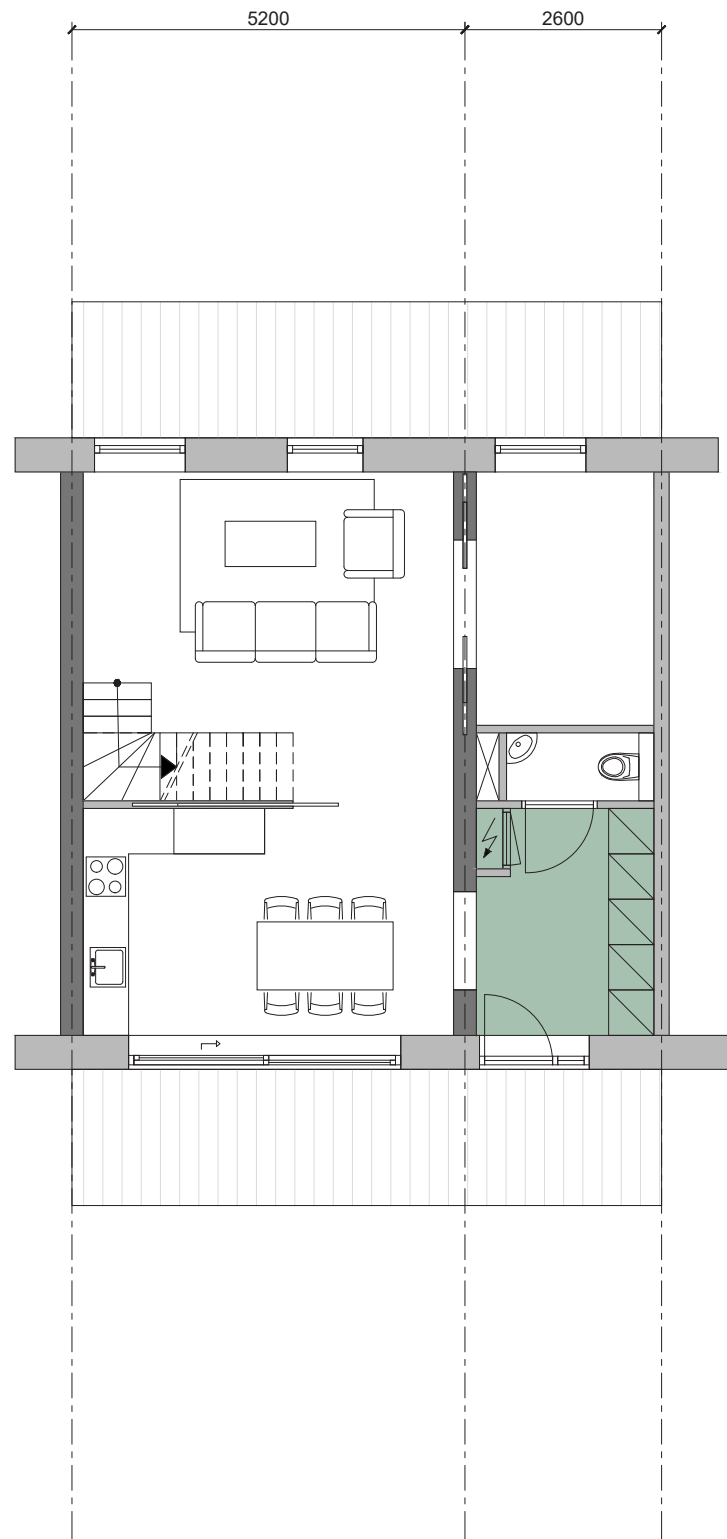
Design

Duplex B



Design

Duplex B

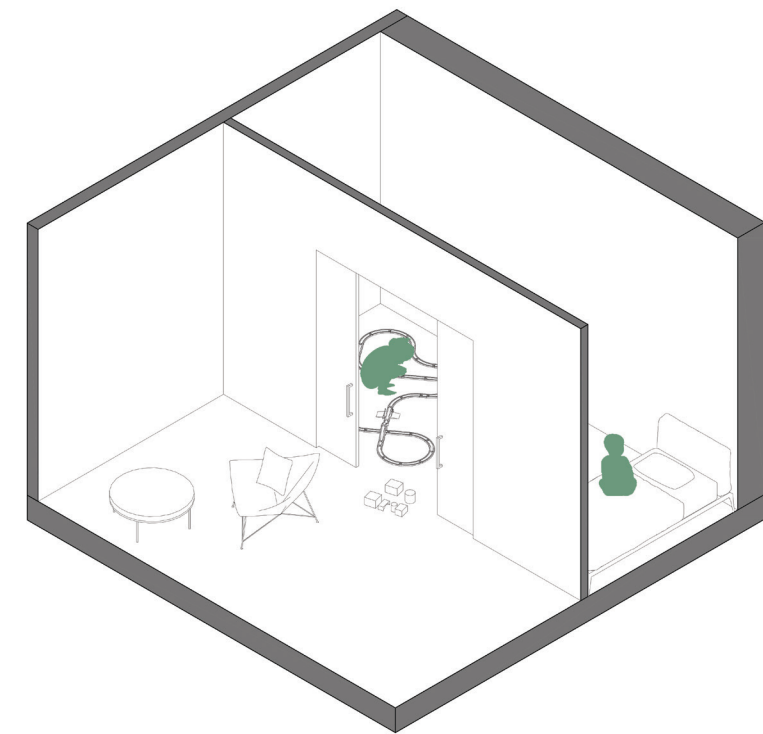
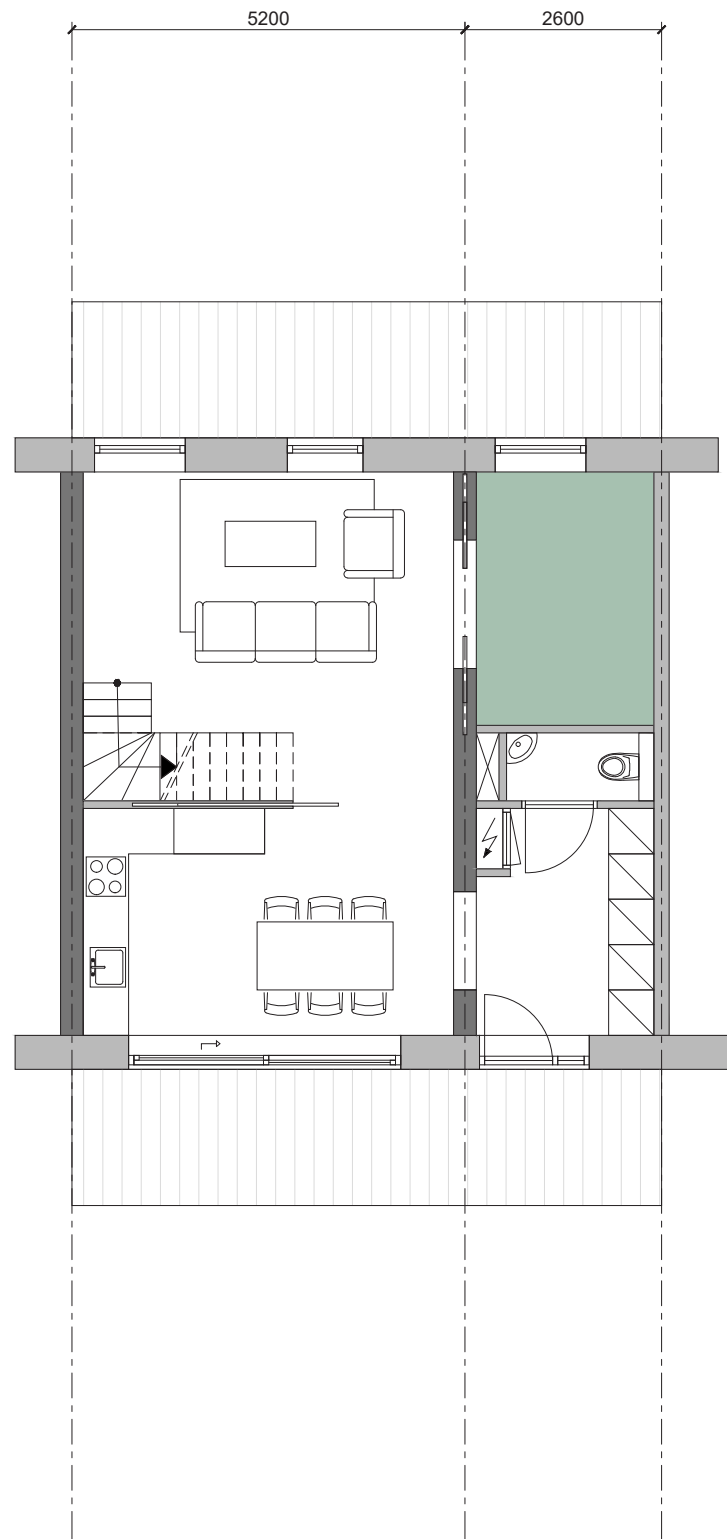


storage at the entrance



Design

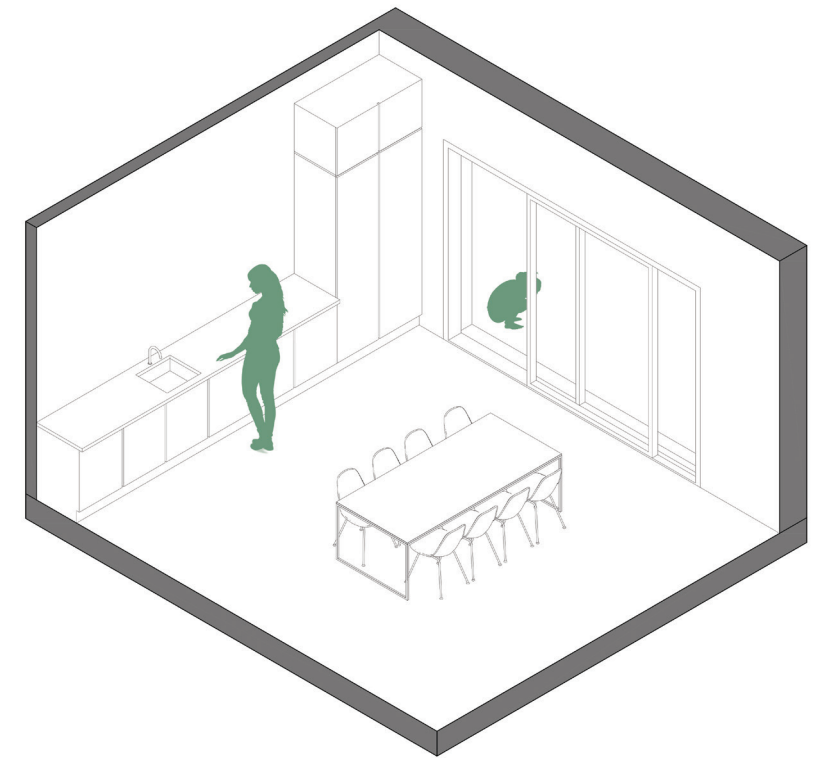
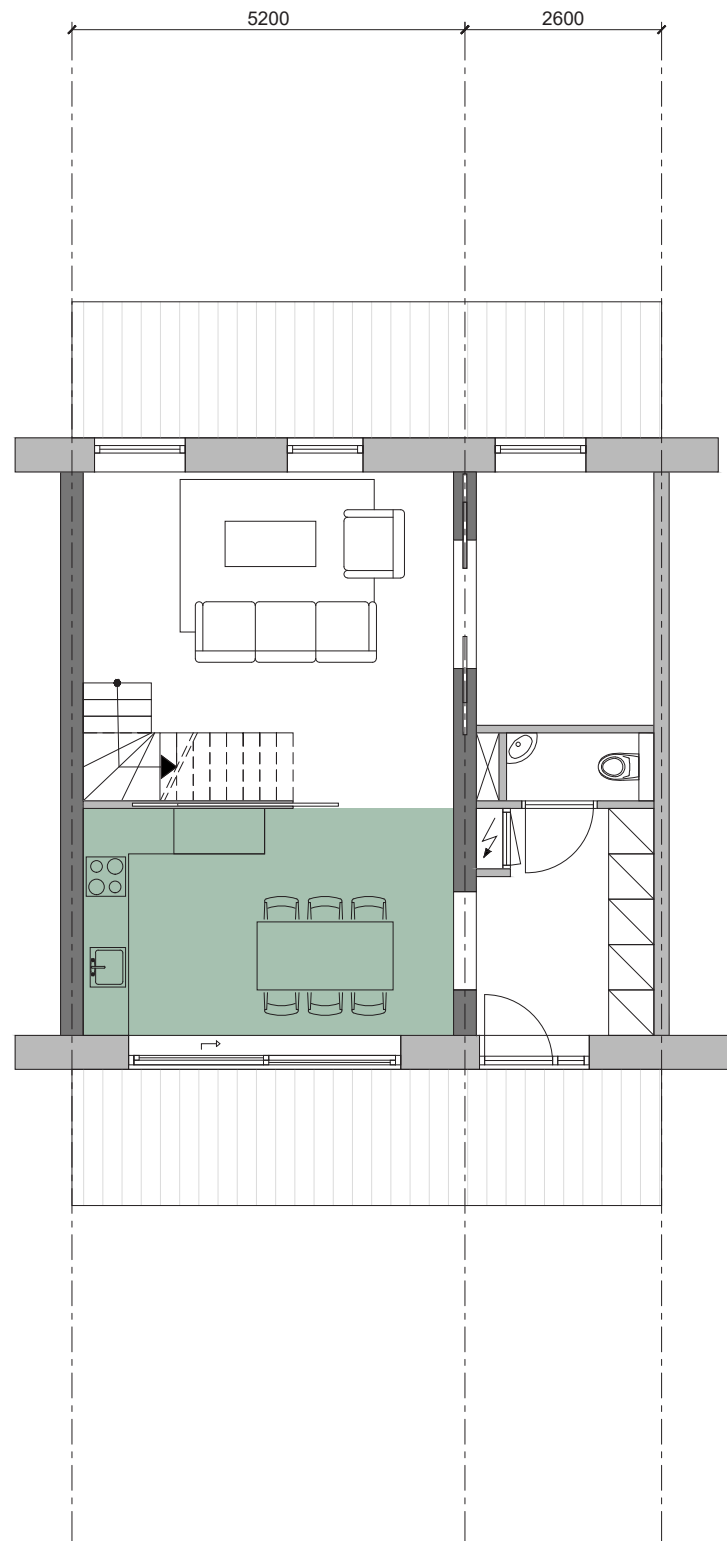
Duplex B



multifunctional space

Design

Duplex B

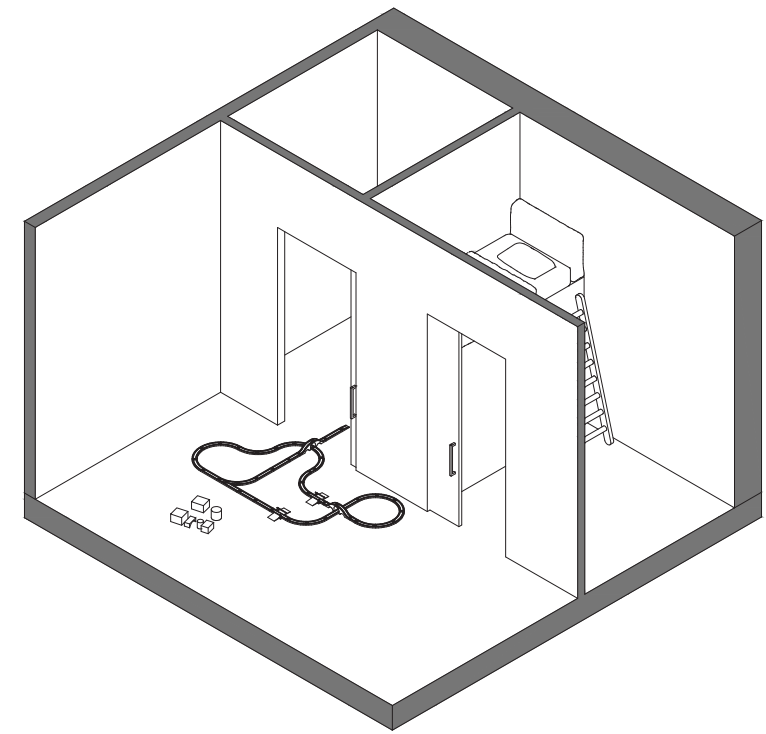
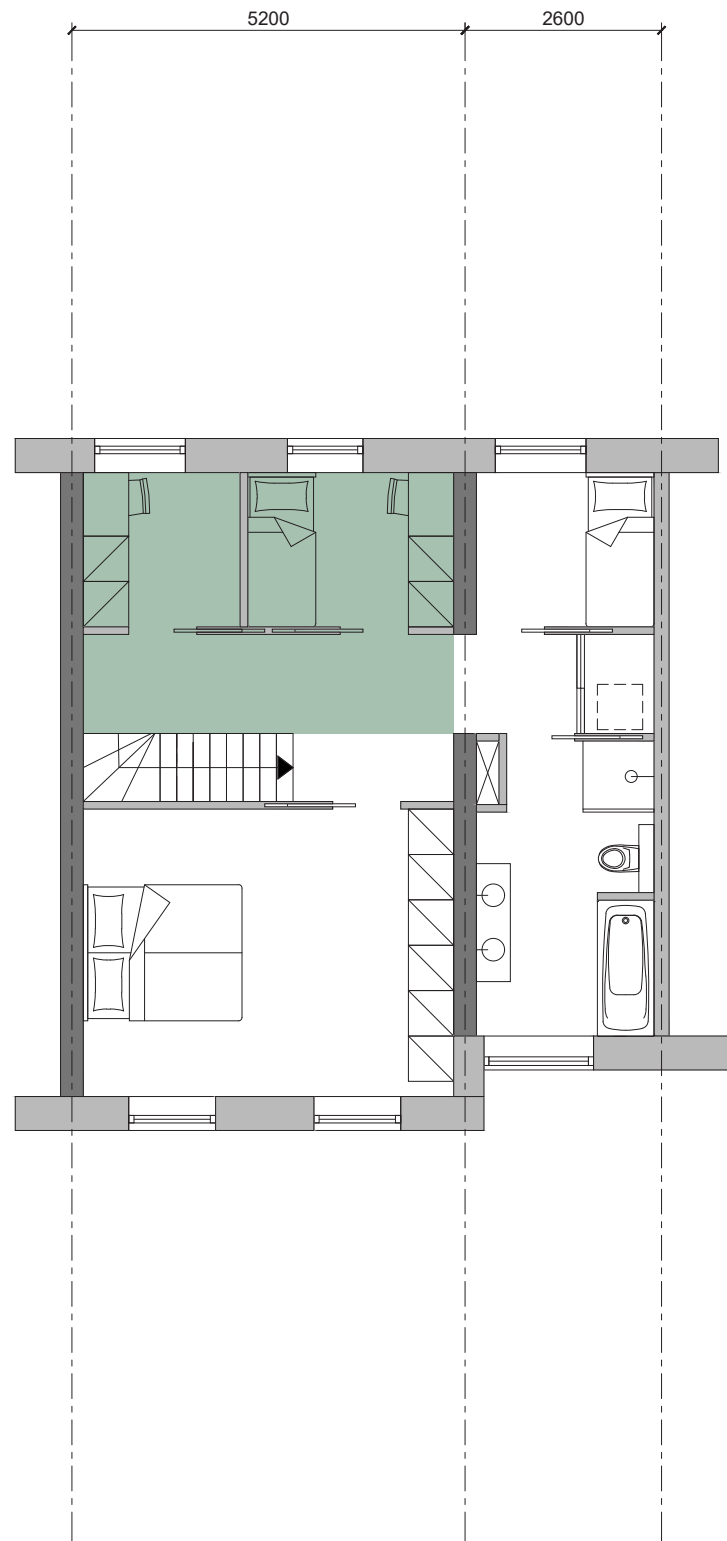


supervision from the kitchen



Design

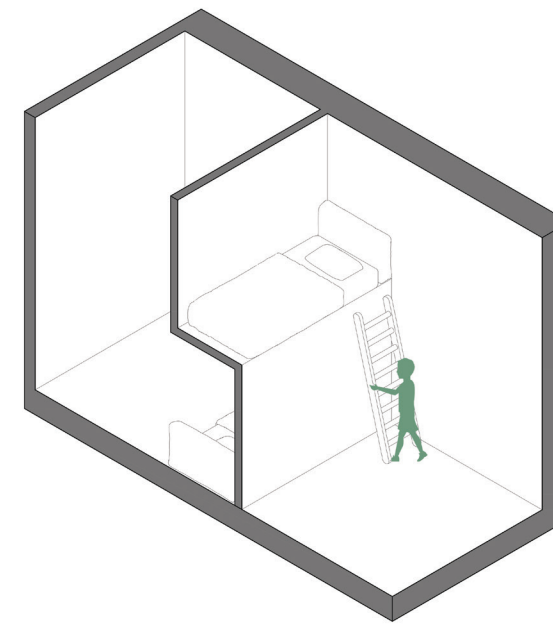
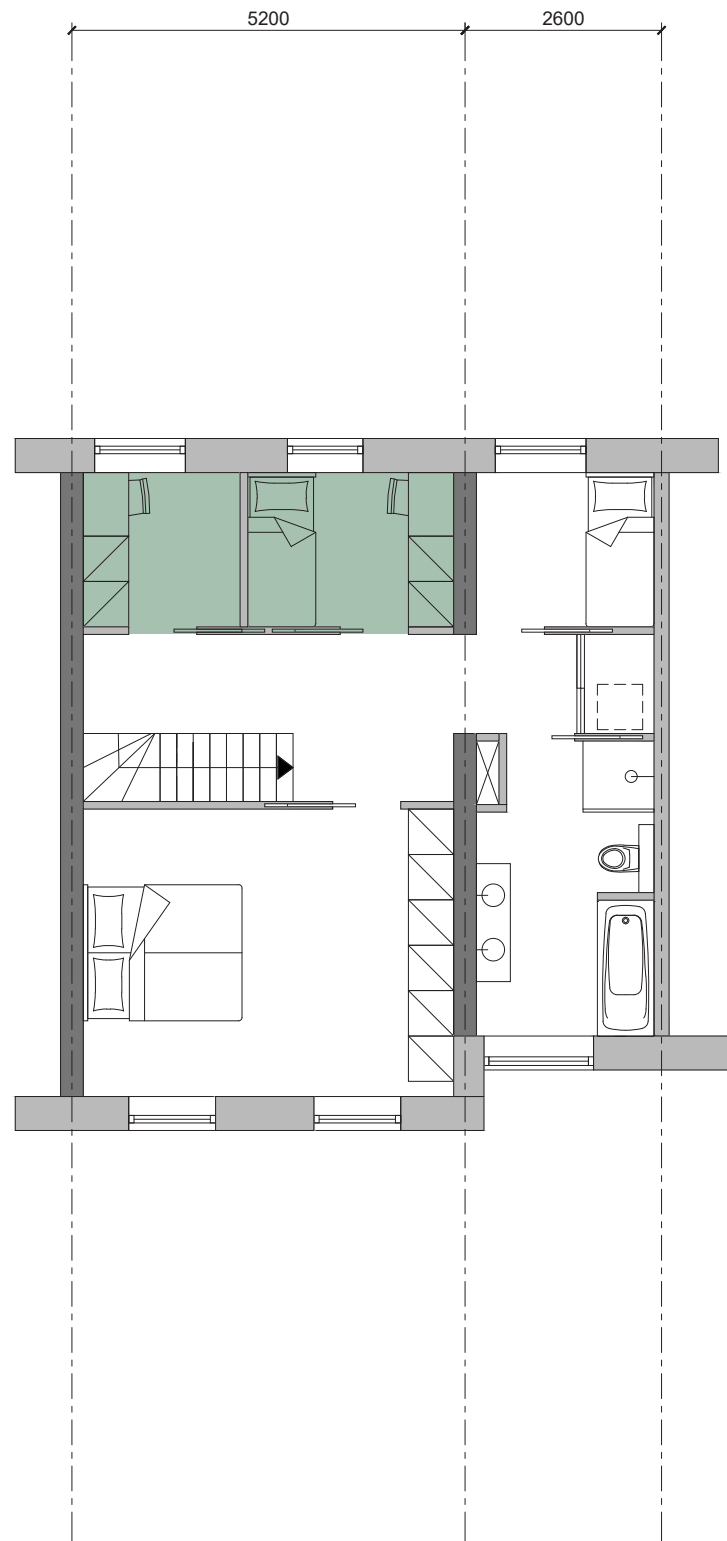
Duplex B



bedroom concept

Design

Duplex B



sleeping concept

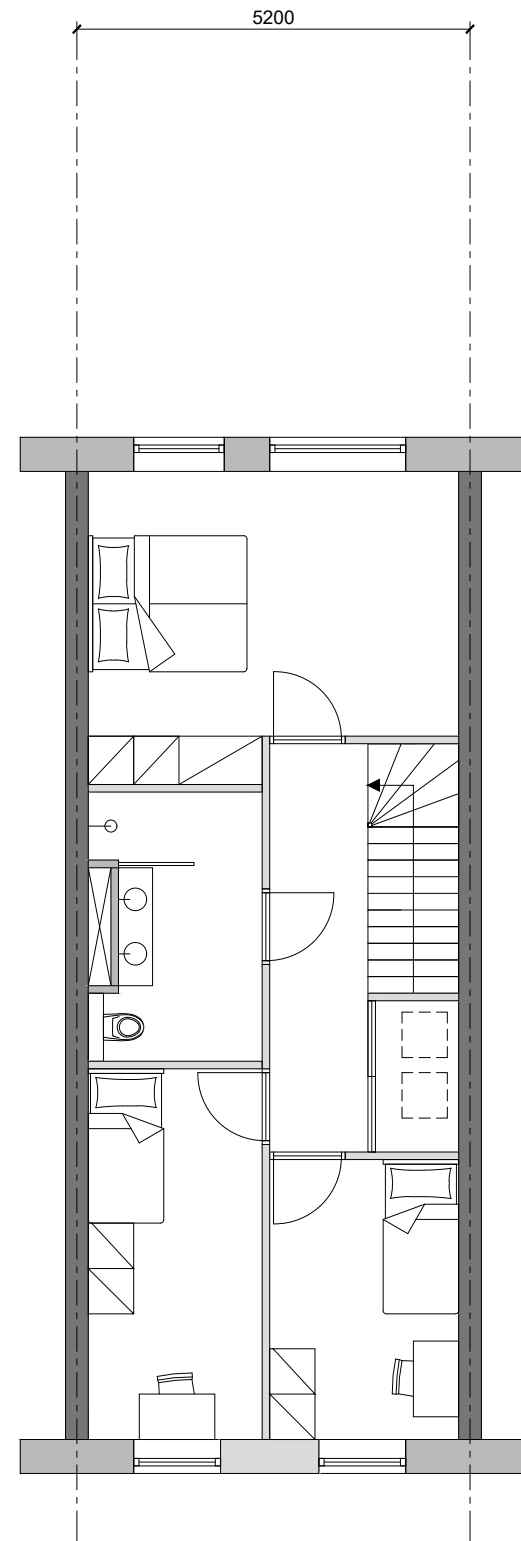
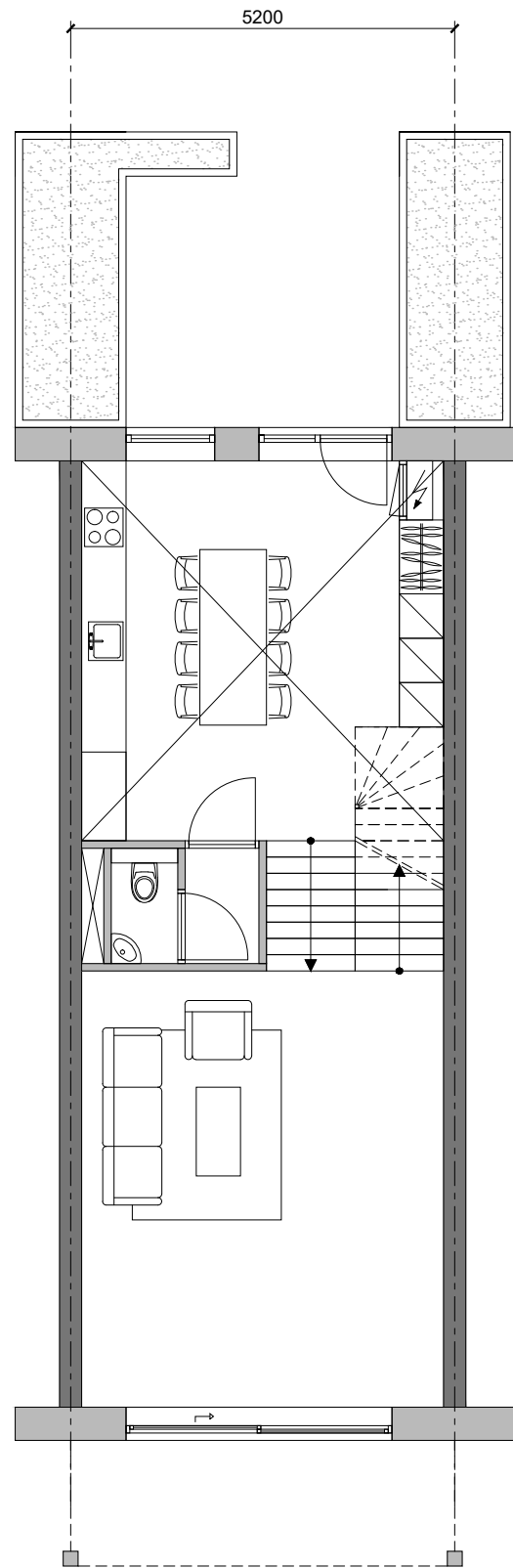
Design

Duplex C

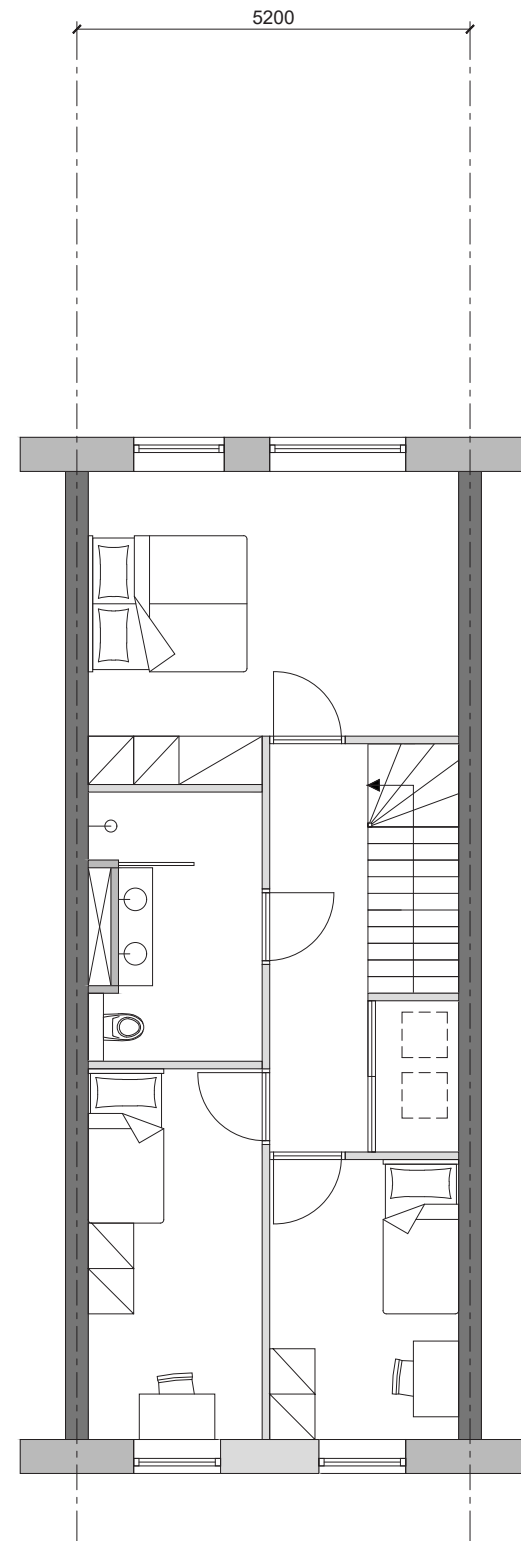
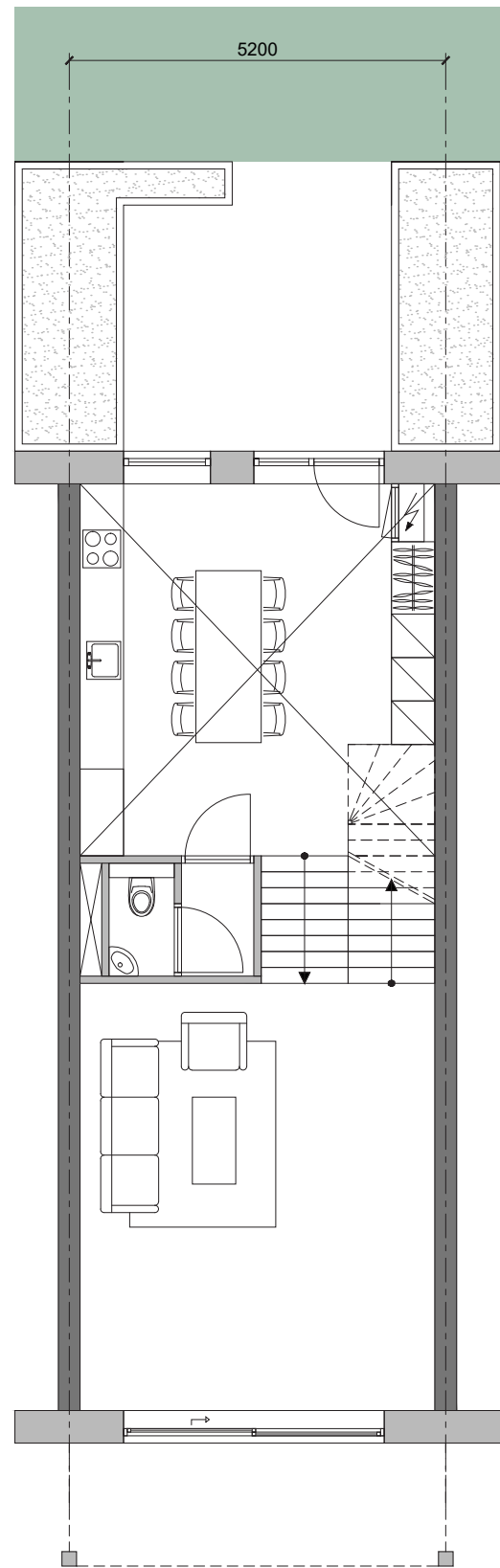


Design

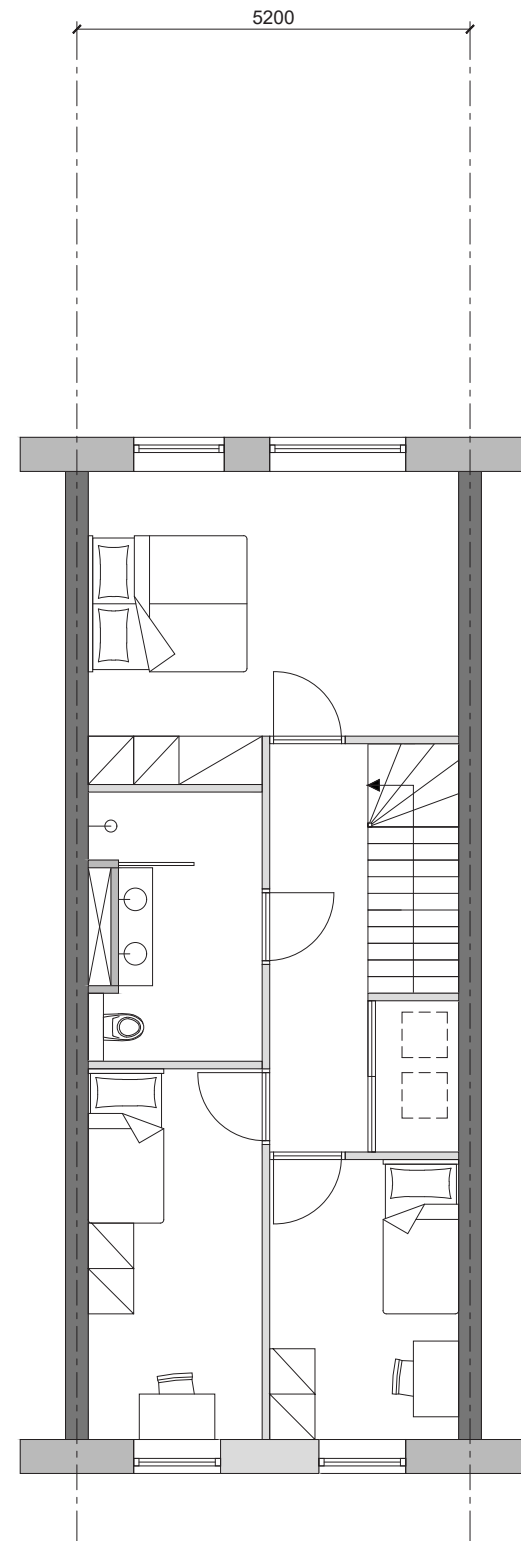
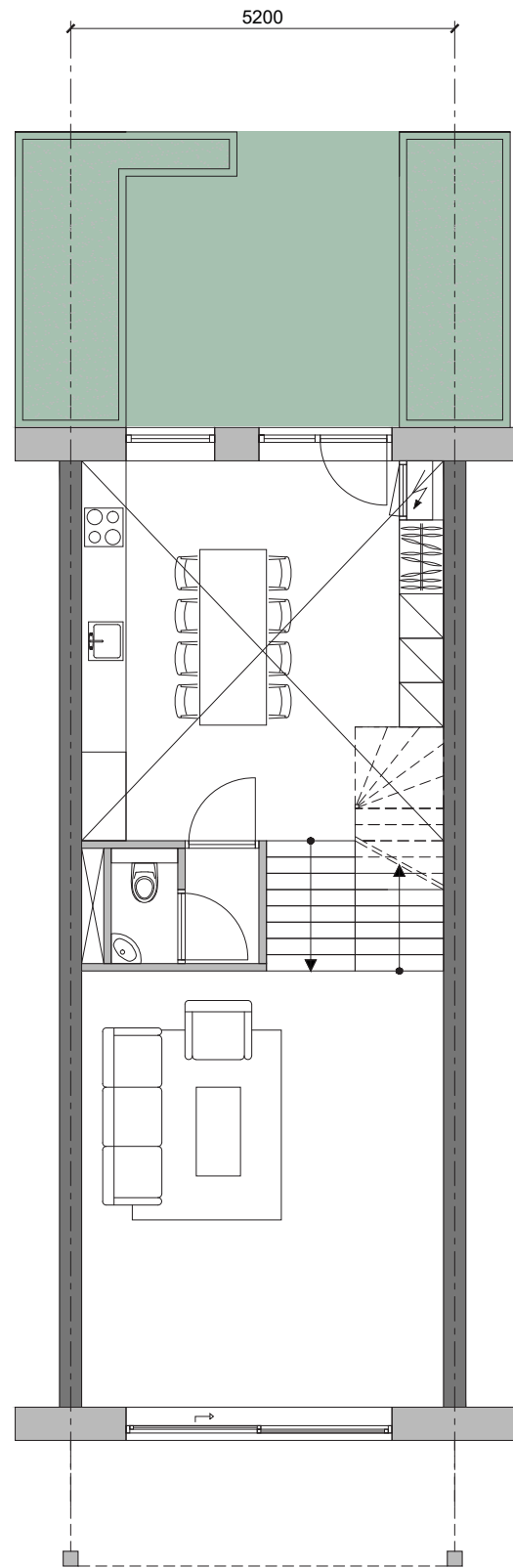
Duplex C



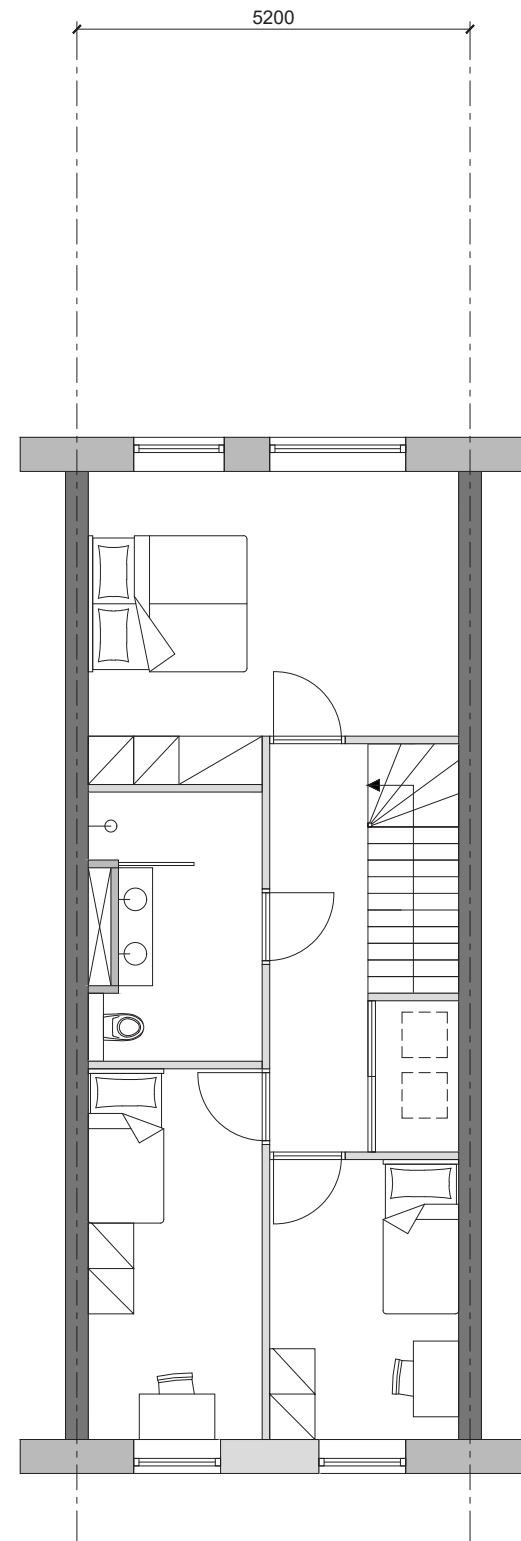
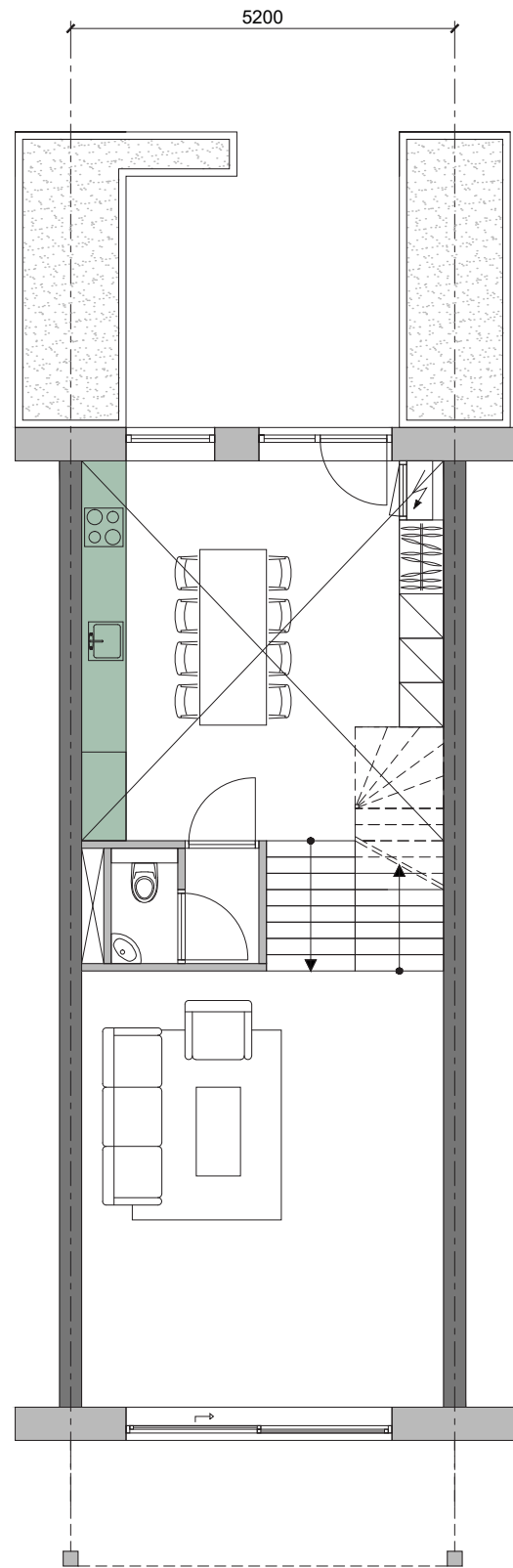
Design
Duplex C



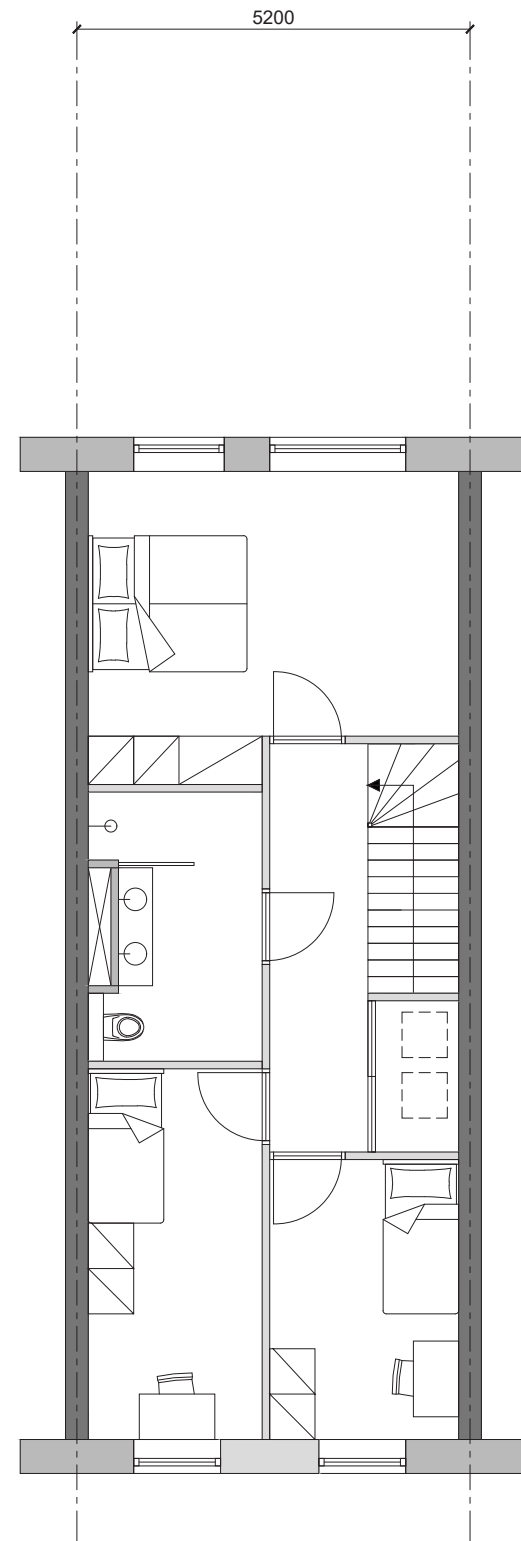
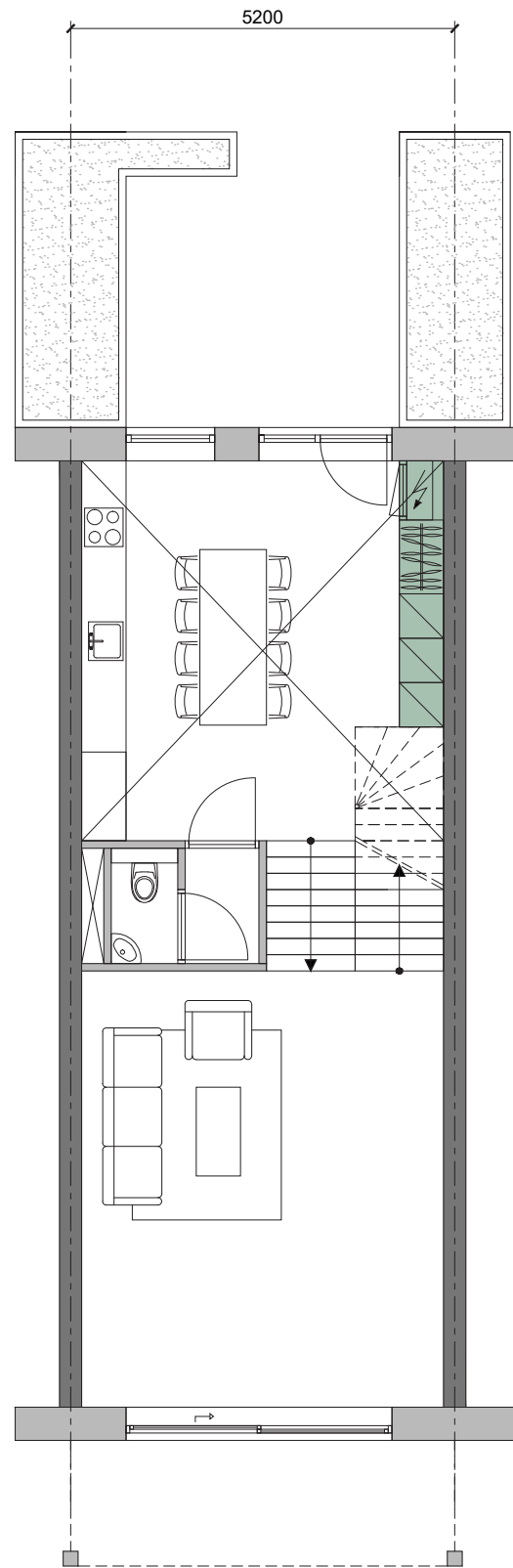
Design
Duplex C



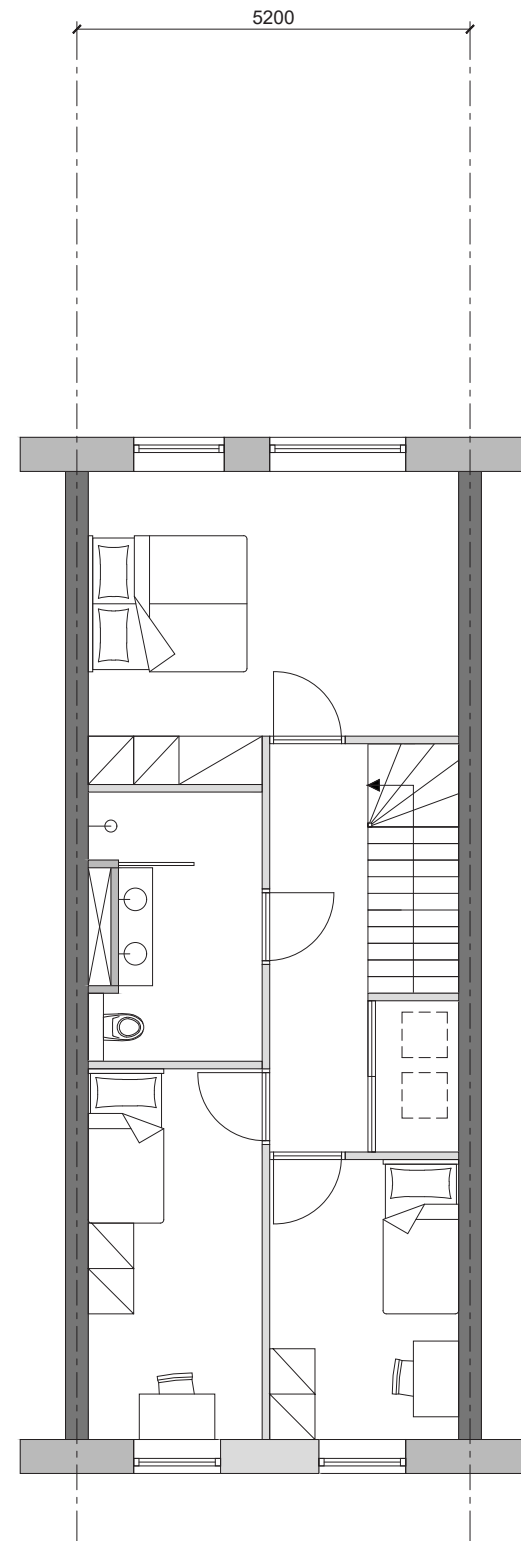
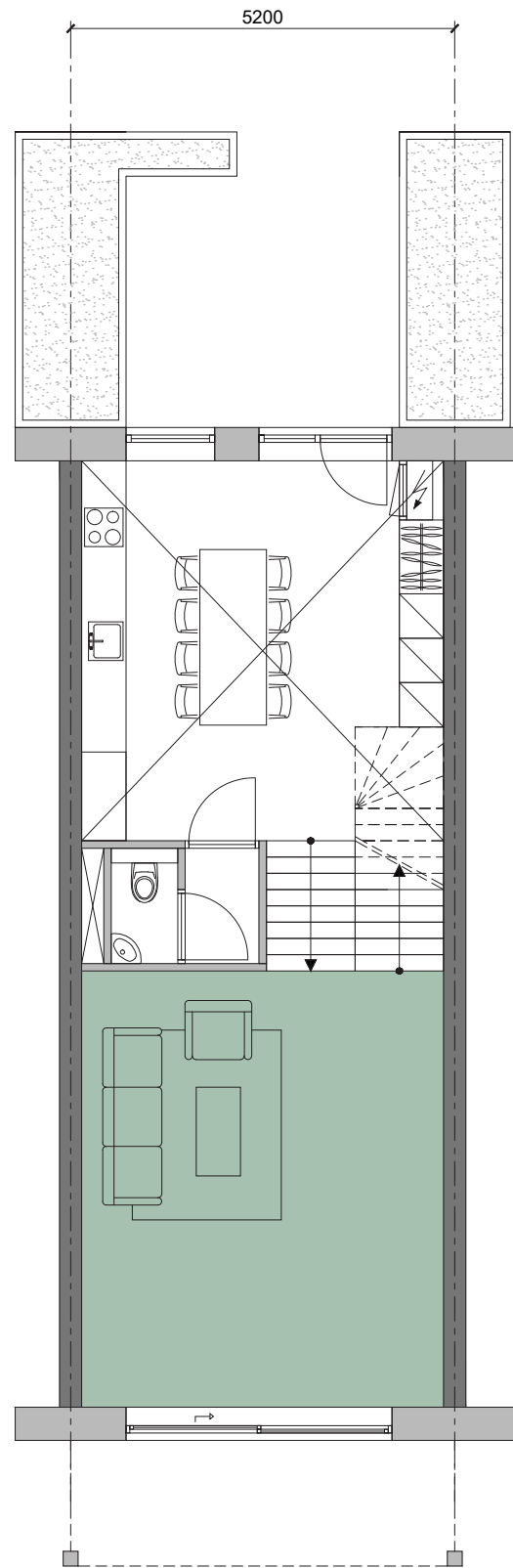
Design
Duplex C



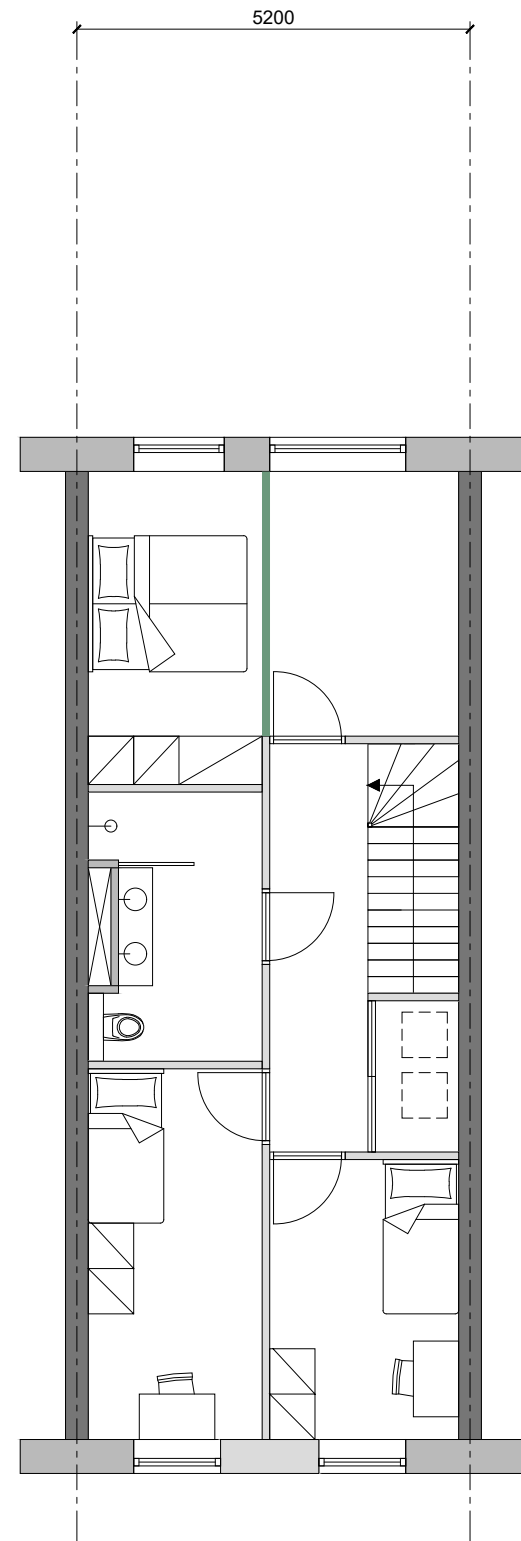
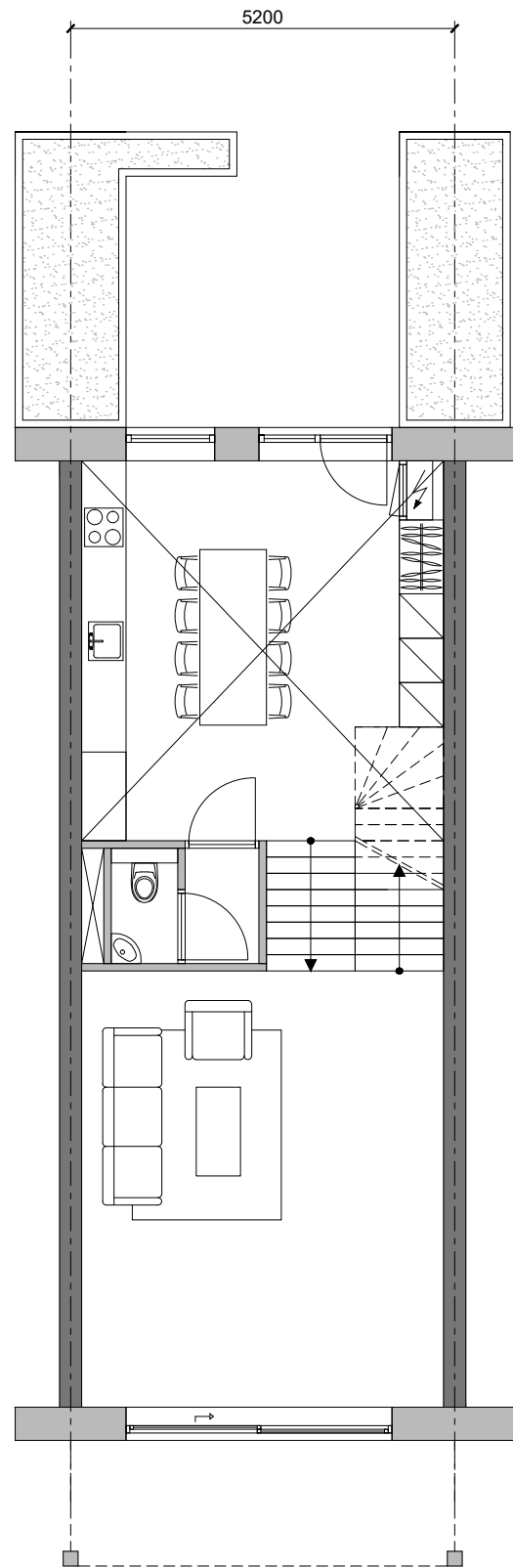
Design
Duplex C



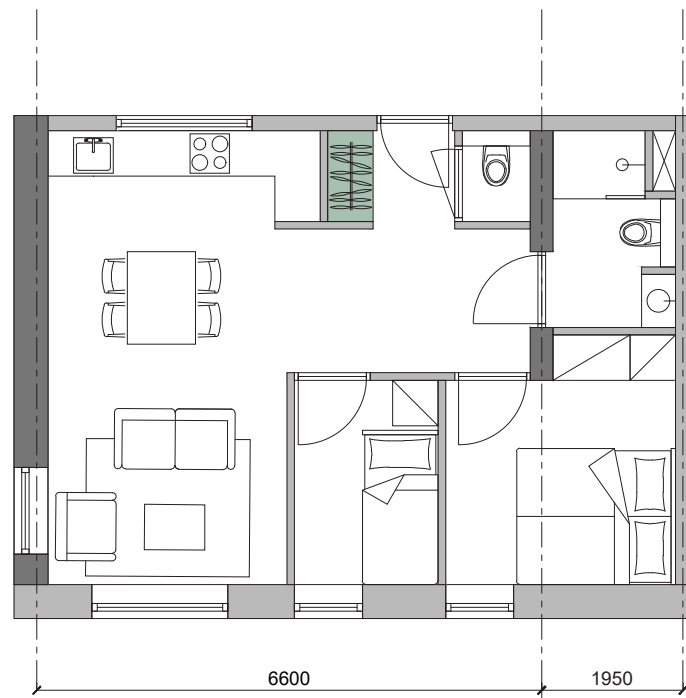
Design
Duplex C



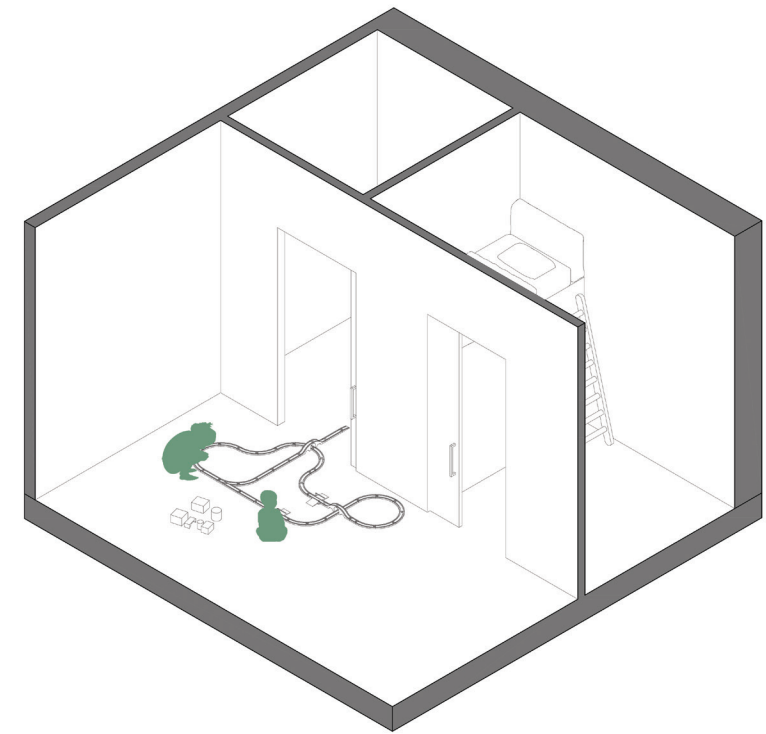
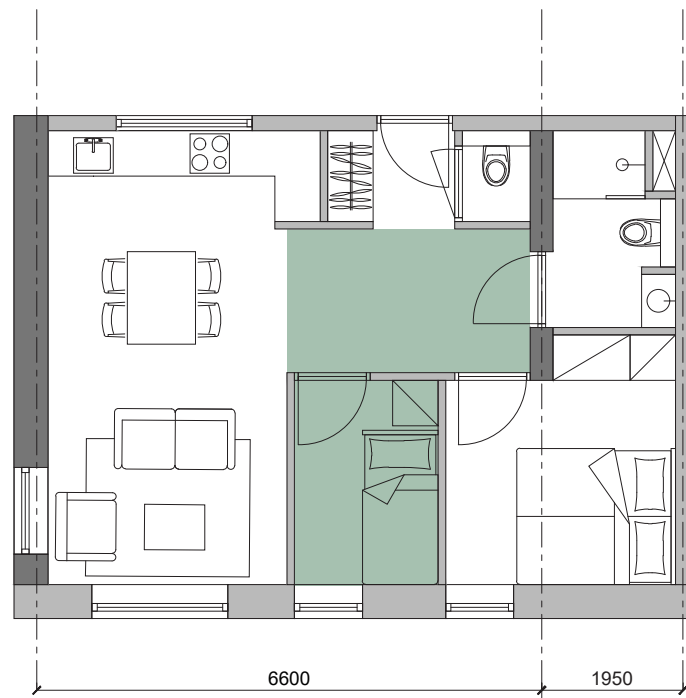
Design
Duplex C



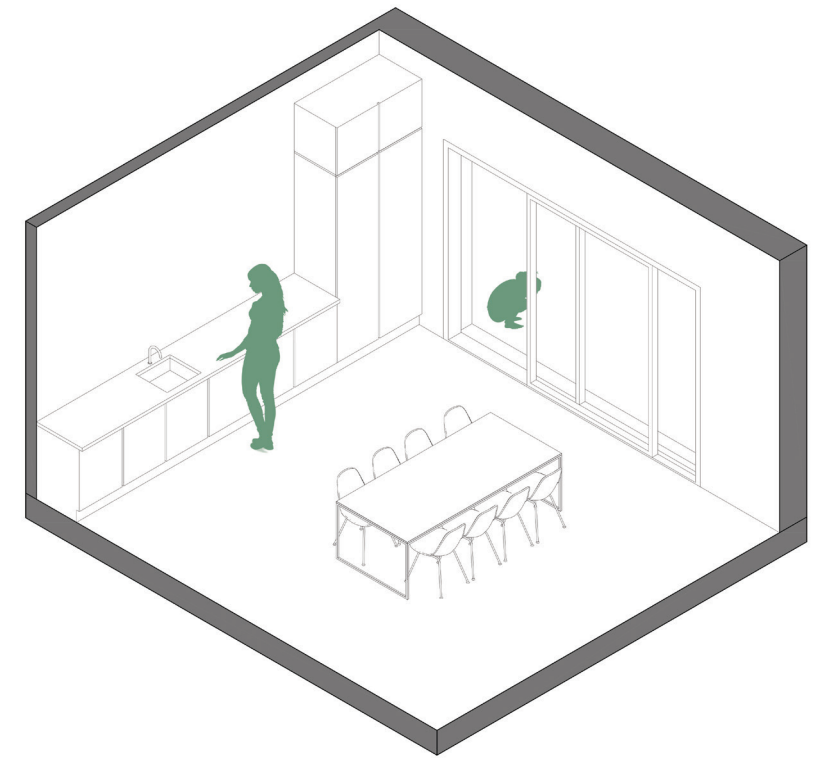
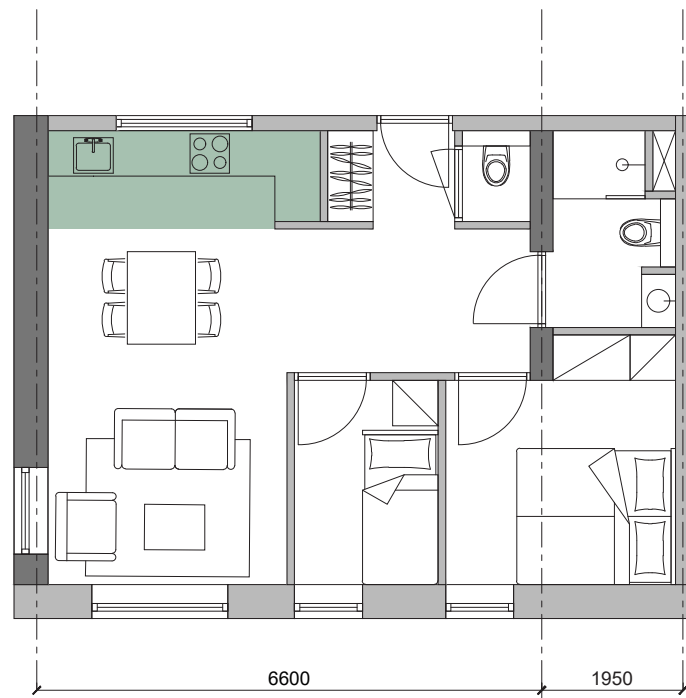




storage at the entrance



bedroom concept



supervision from the kitchen

