

An architectural rendering of a modern, multi-story residential building with a warm, wooden facade. The building features a central courtyard with a large, leafy tree and a circular wooden structure. In the foreground, a man and a woman are sitting on the grass, and a woman is interacting with a young boy. To the right, a child is playing on a slide. The sky is blue with light clouds.

Moving in. Moving on. Moving out.

Housing for divorcing families

P5 presentation
MSc4 Dutch housing graduation studio | AR4AD131
Nathalie van Wees | 4463471
Tutors | T.W. Kupers, F. Adema & P.S. van der Putt

Drukke bij daklozenopvang stijgt, mensen op straat na scheiding of faillissement

DOETINCHEM/ NIJMEGEN/ ZEVENAAR - Steeds meer mensen belanden in de noodopvang voor daklozen in deze regio. Door de krapte op de woningmarkt zien veel mensen geen andere oplossing meer als ze hun eigen huis ineens kwijt raken door bijvoorbeeld een faillissement of een scheiding.

20-08-2019 De Gelderlander

Op straat na je scheiding: 'Soms slapen mensen stiekem op kantoor'

30-01-2019 RTL Nieuws

Dakloos na scheiding: 'Uiteindelijk sliep ik met mijn dochter in de auto'

19-01-218 De Monitor, KRO-NCRV

Steeds meer dakloze mannen na scheiding: druk op daklozenopvang in Groene Hart

29-10-2018, AD



Homelessshelter in Amsterdam. (*pointer.kro-ncrv*)



One out of three marriages ends up in a **divorce** (CBS, 2019).



Divorce causes **financial disadvantages** for both parents (CBS, 2017)



Divorce **affects the well-being** of parents and and involved children (Amato, 2012).



The **new built innovative** areas don't represent divorcing families.

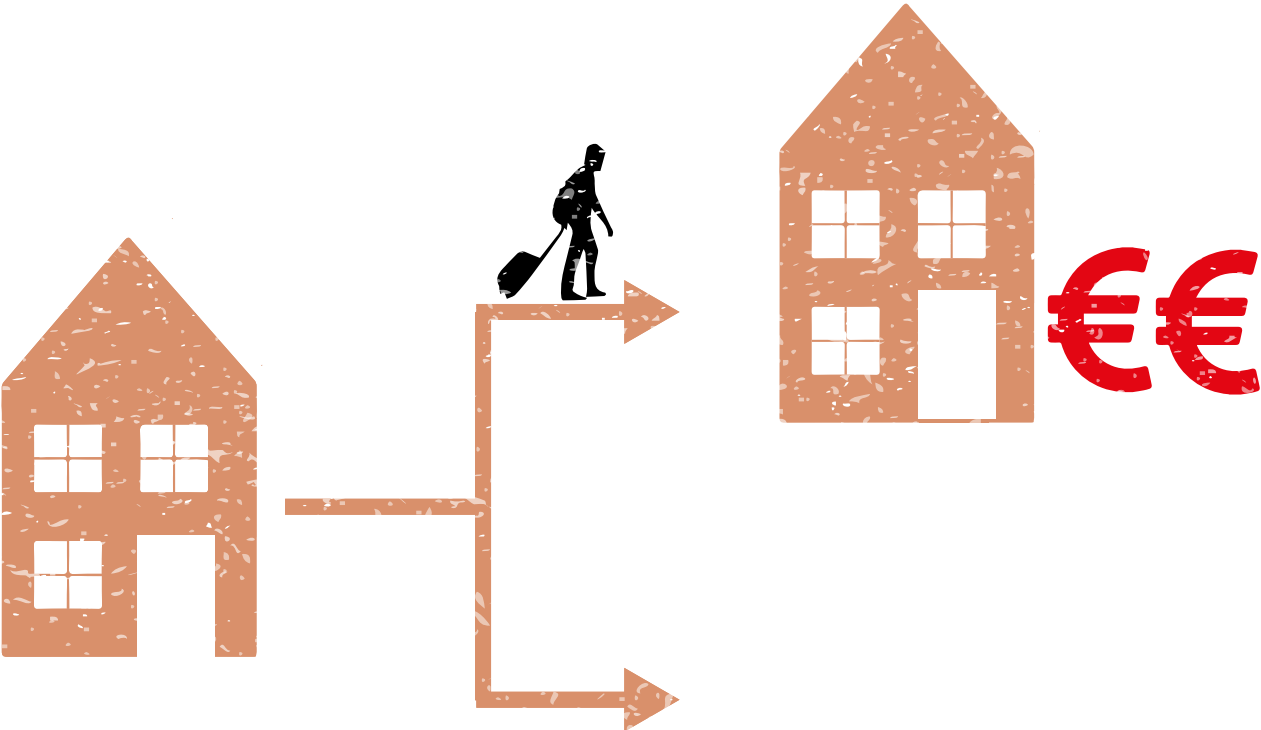


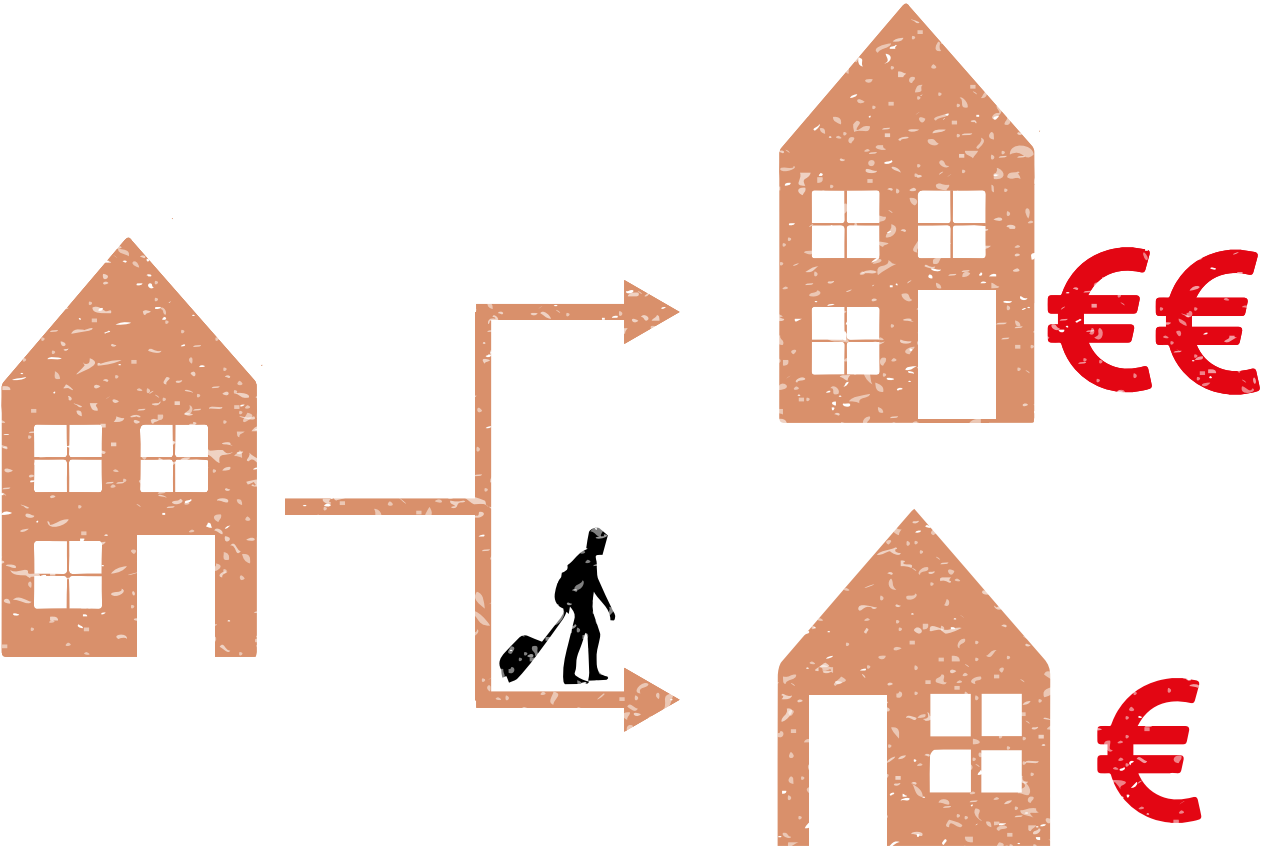
The **M4H-area in Rotterdam** is planned to be an innovative live-work environment and includes collectivity.

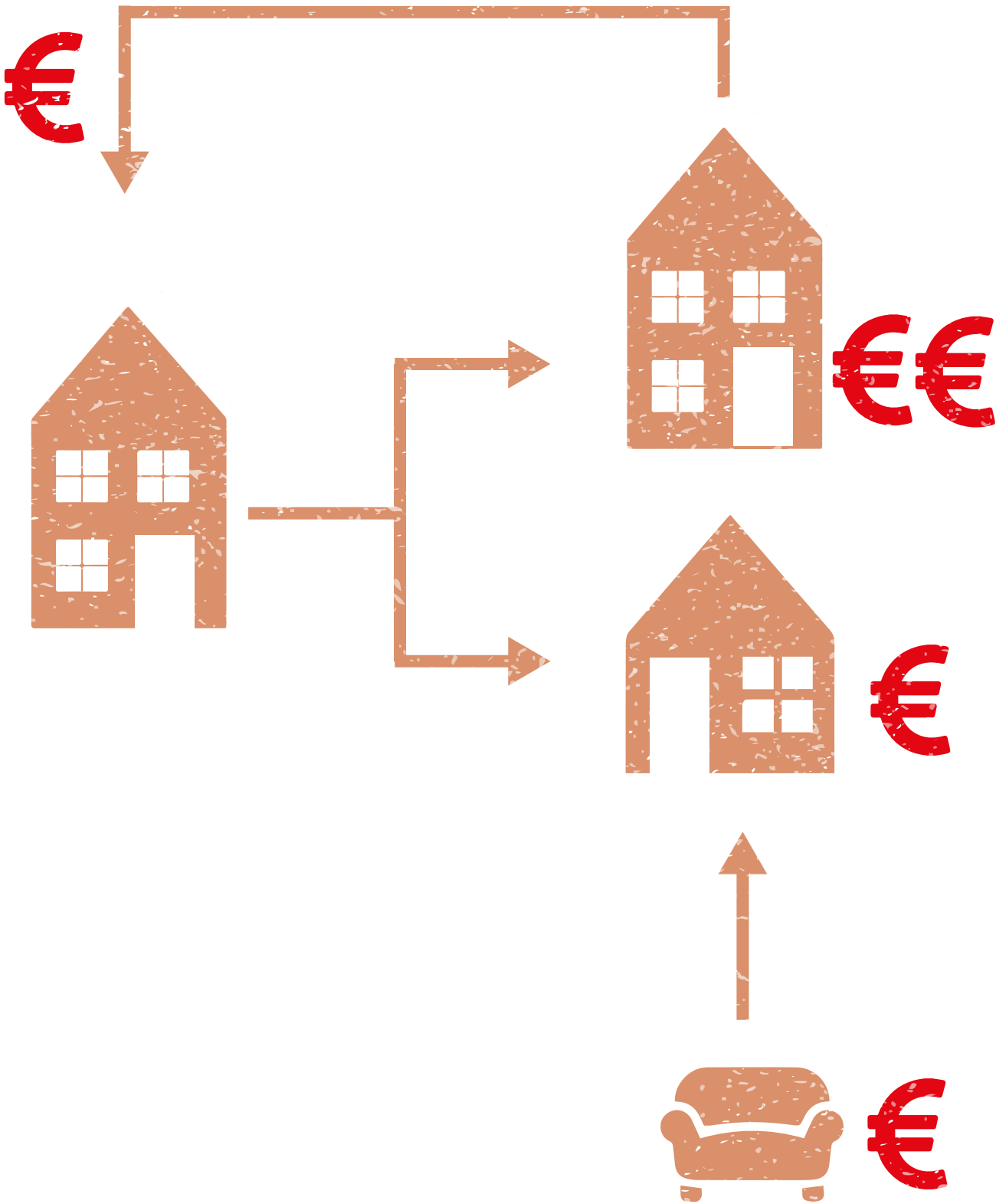


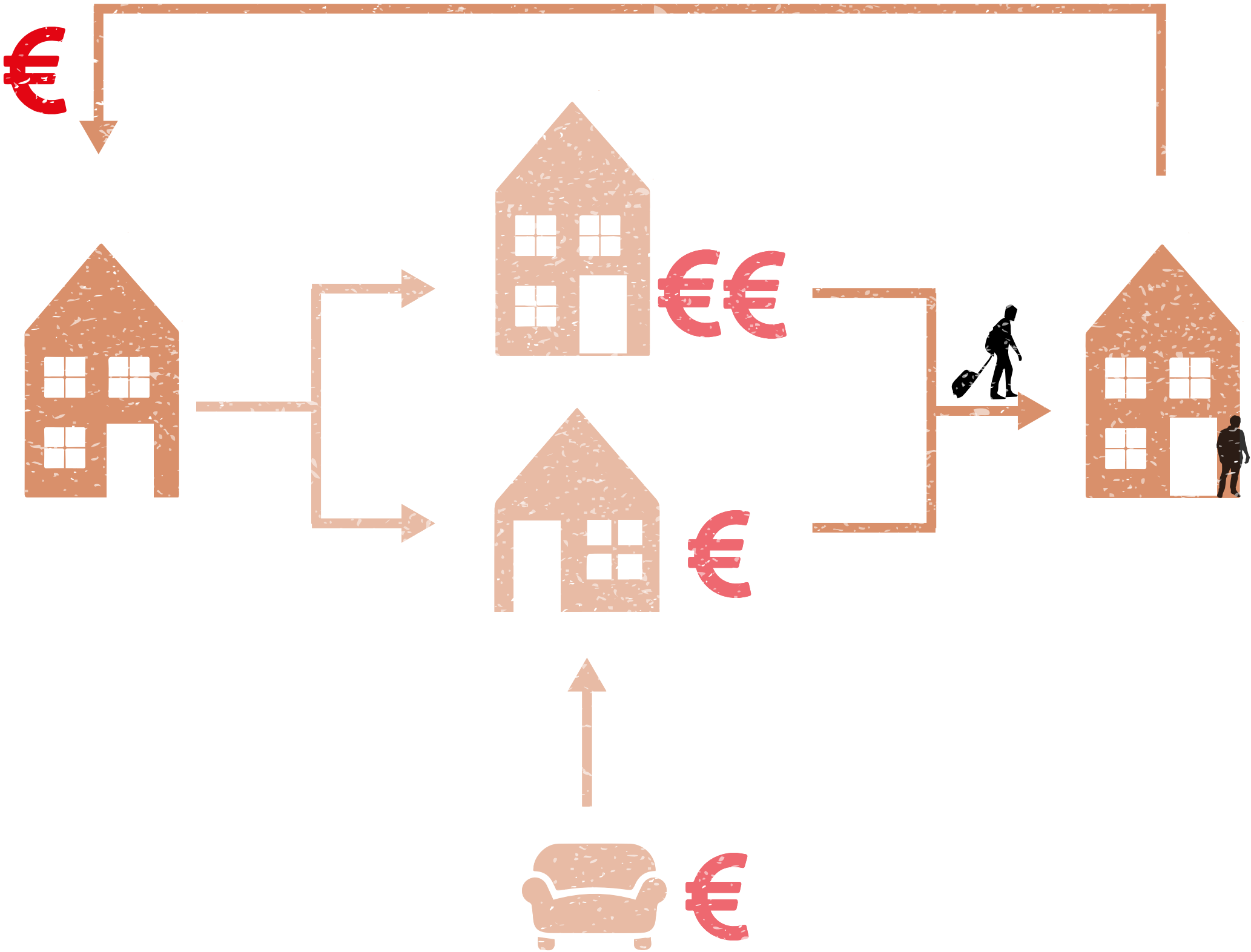
How can we create collective housing that meets the needs of divorcing families?







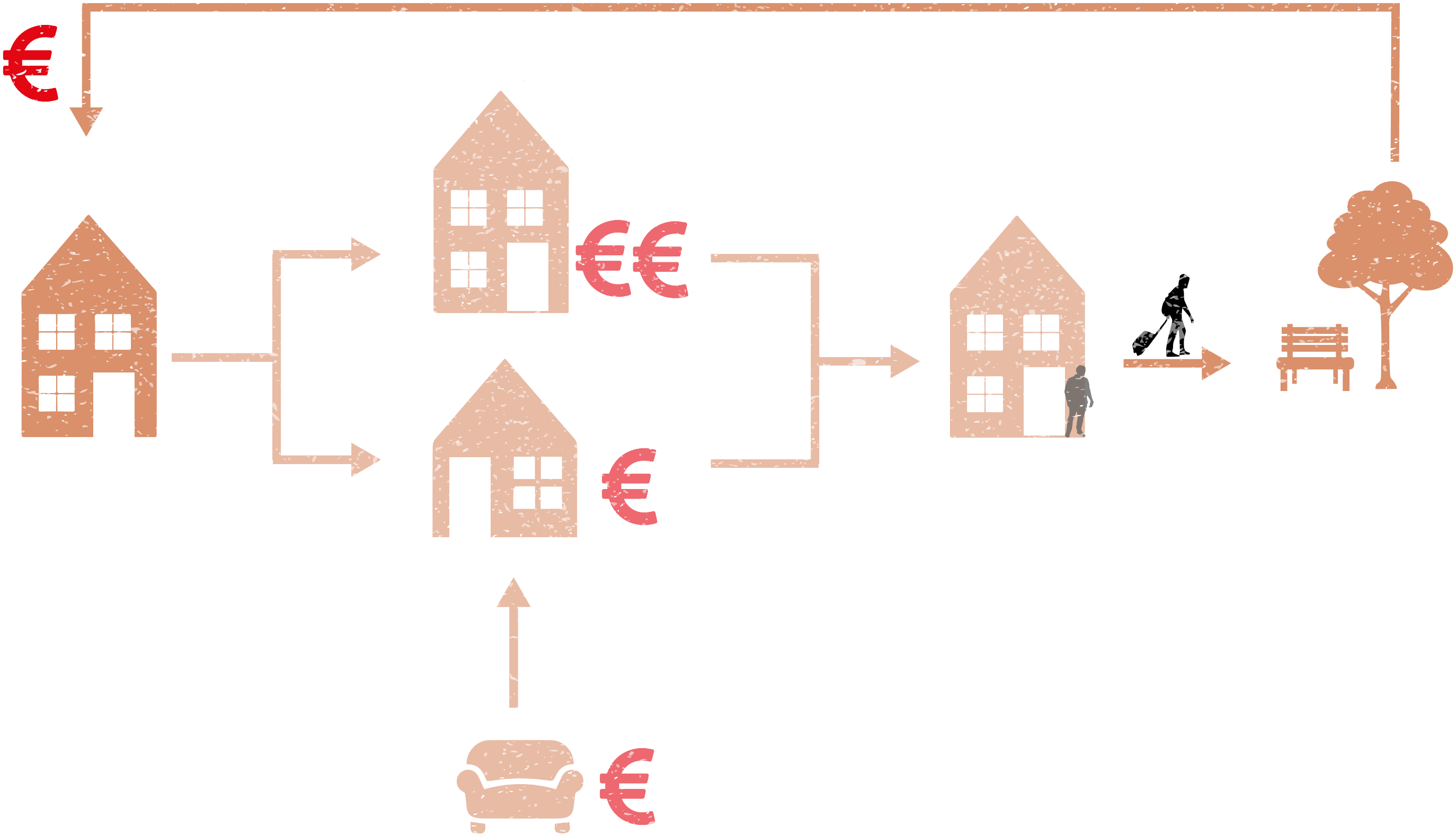




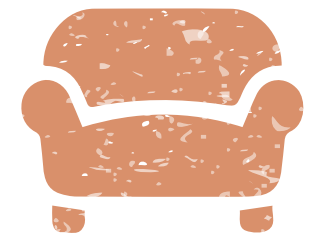
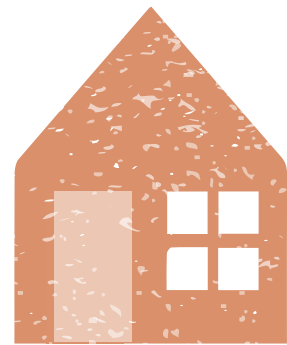
Finances



Finances



Financial necessities



Well-being



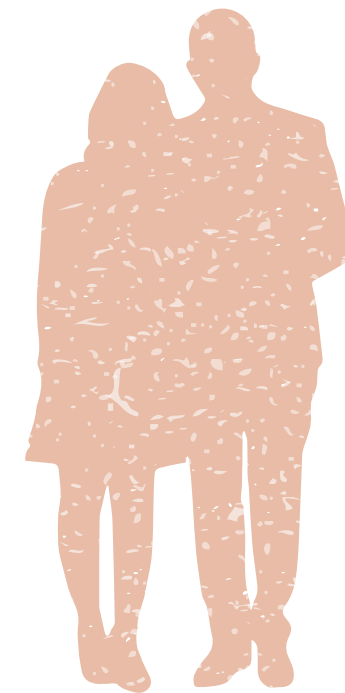
Well-being

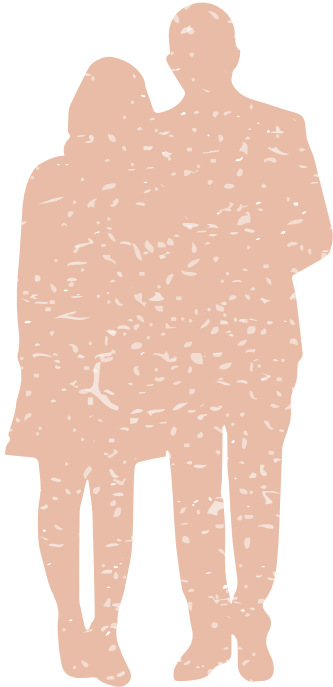


Well-being

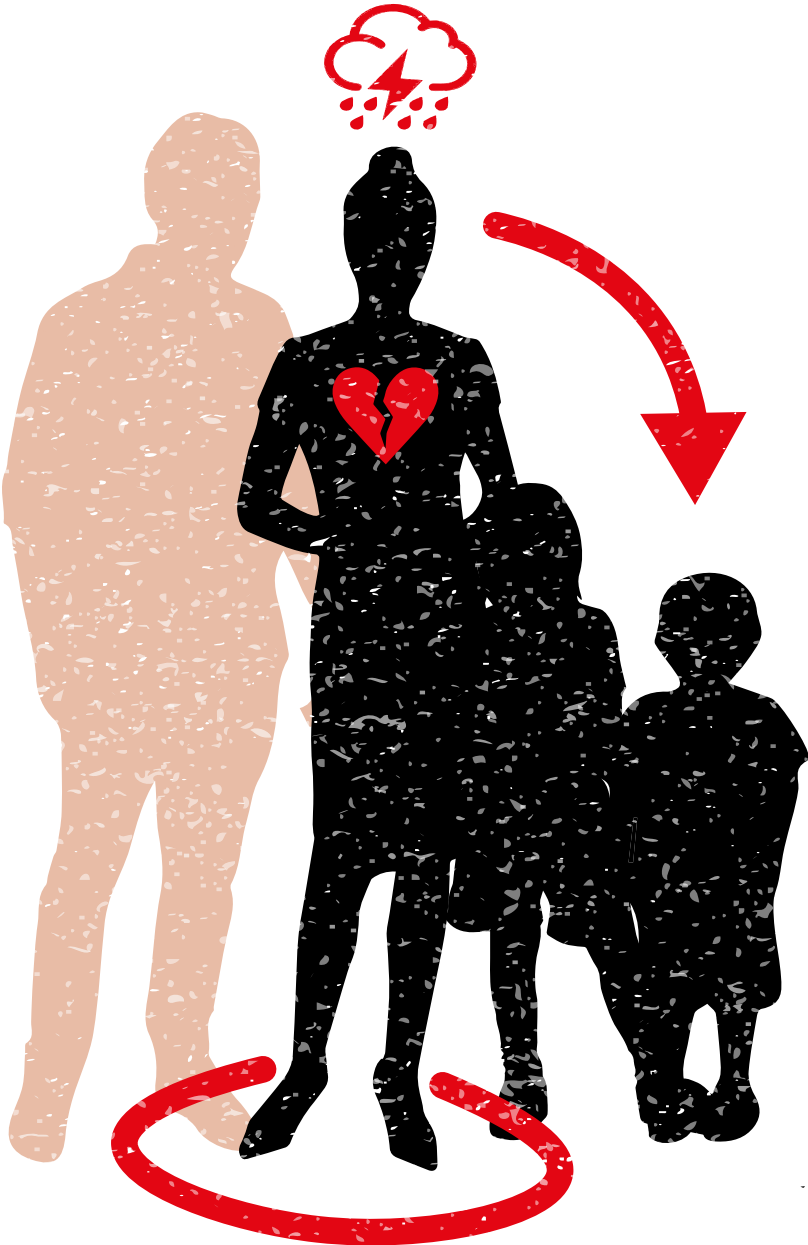


Well-being





Well-being



Well-being



Mental well-being necessities



The divorcing families



Primary parent family



Secondary parent family



Housing preferences
Primary parent family



Bedroom for each child



Nearby park



Convenient and save playground

Housing preferences | Case study

Secondary parent family

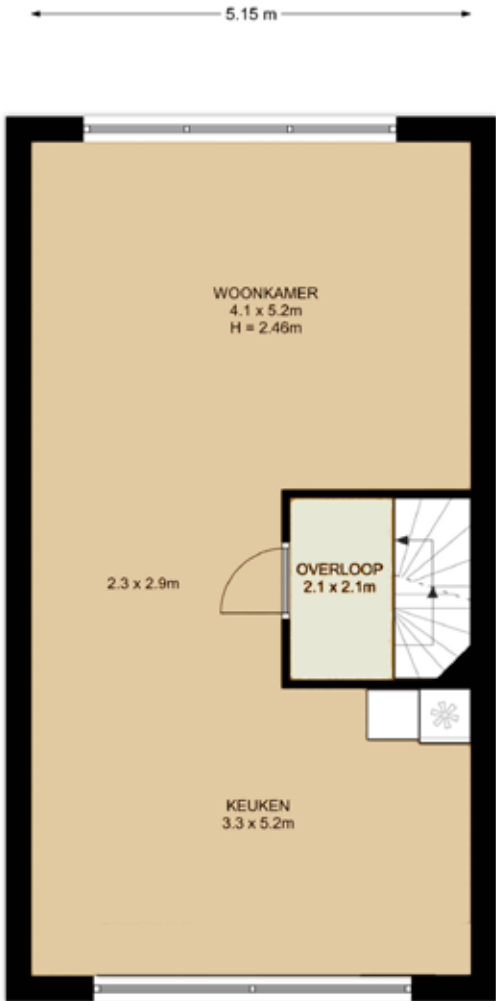


Housing preferences | Case study

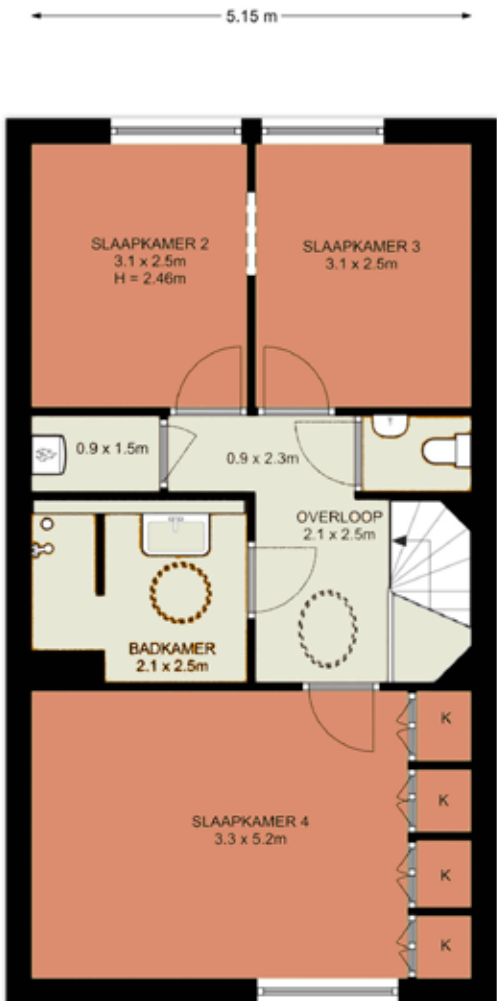
Secondary parent family



Ground floor



First floor



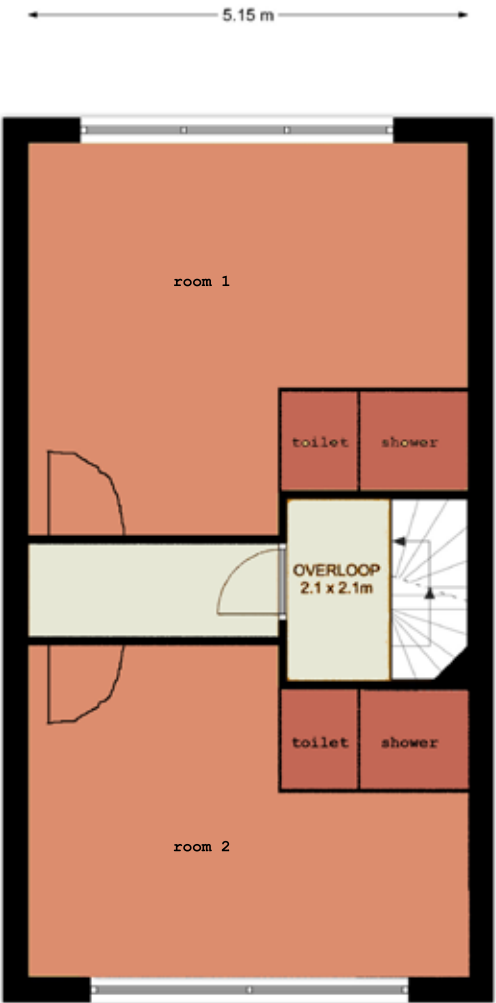
Second floor

Housing preferences | Case study

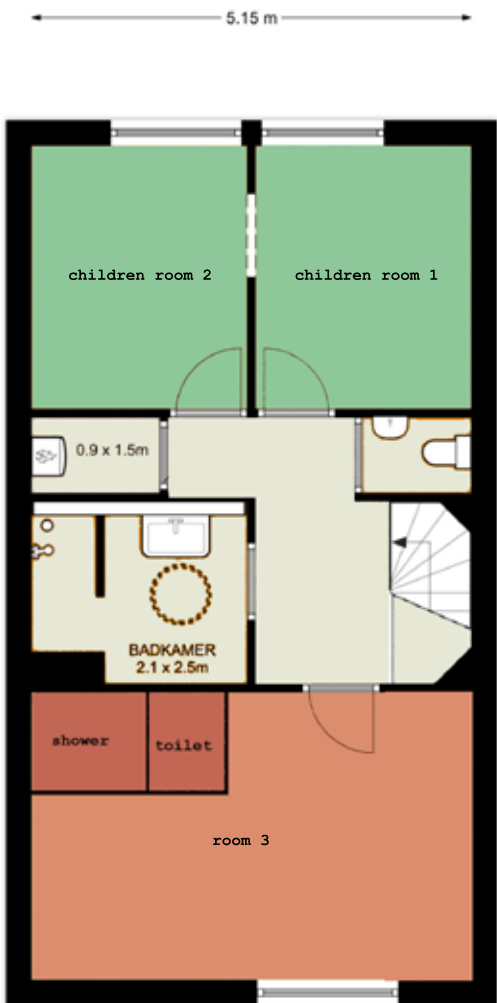
Secondary parent family



Ground floor



First floor



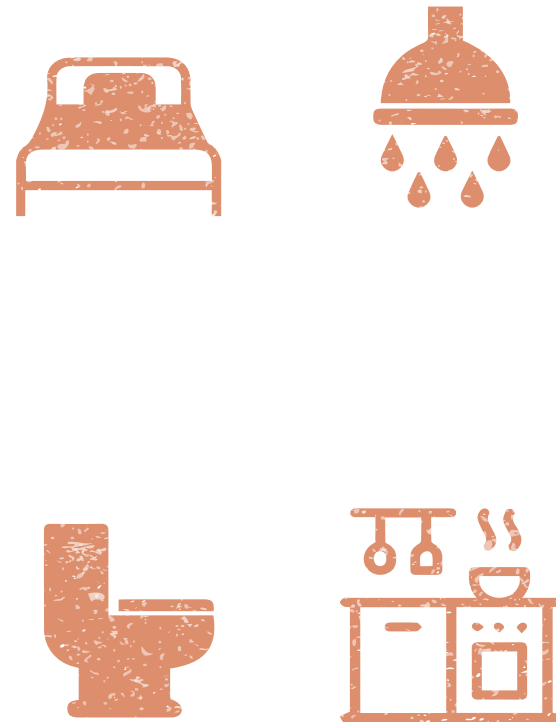
Second floor

Housing preferences

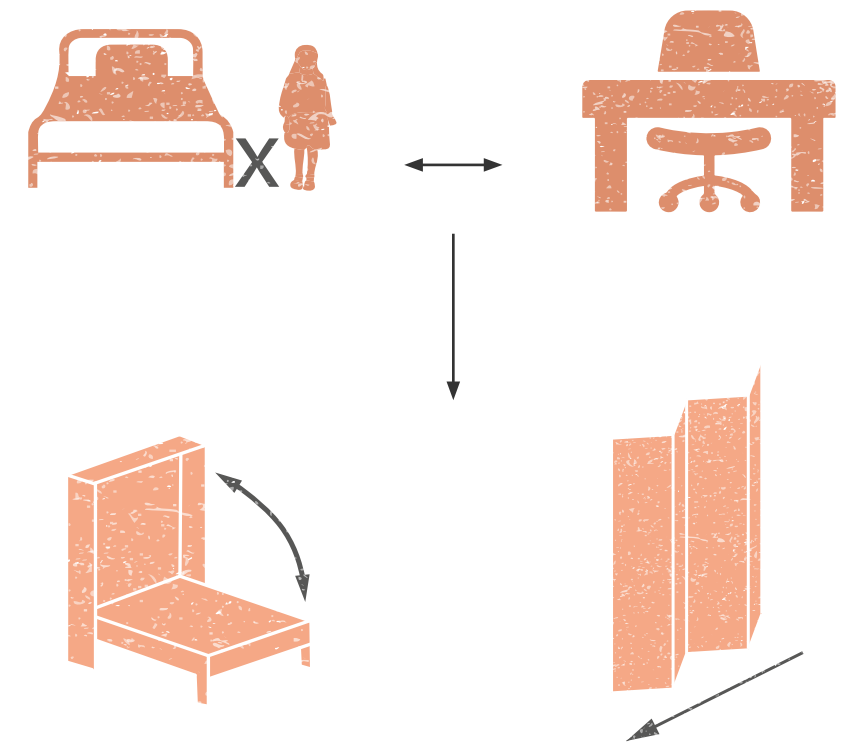
Secondary parent family



Fixed



Flexible



Collective facilities

Shared facilities enables social interaction and increases the affordability.



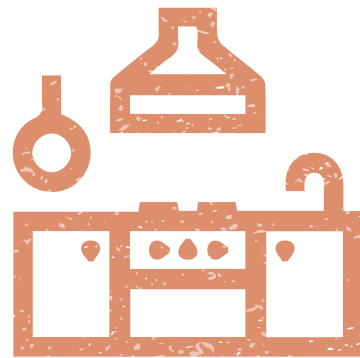
House facilities



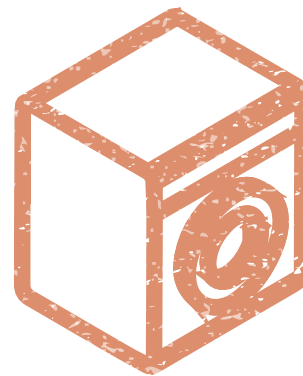
Garden-outdoor space



Play facilities for children



Kitchen area- coffee area



Laundry room



Workspace

How can we create collective housing that meets the needs of divorcing families?

How can we create collective housing that meets the needs of divorcing families?



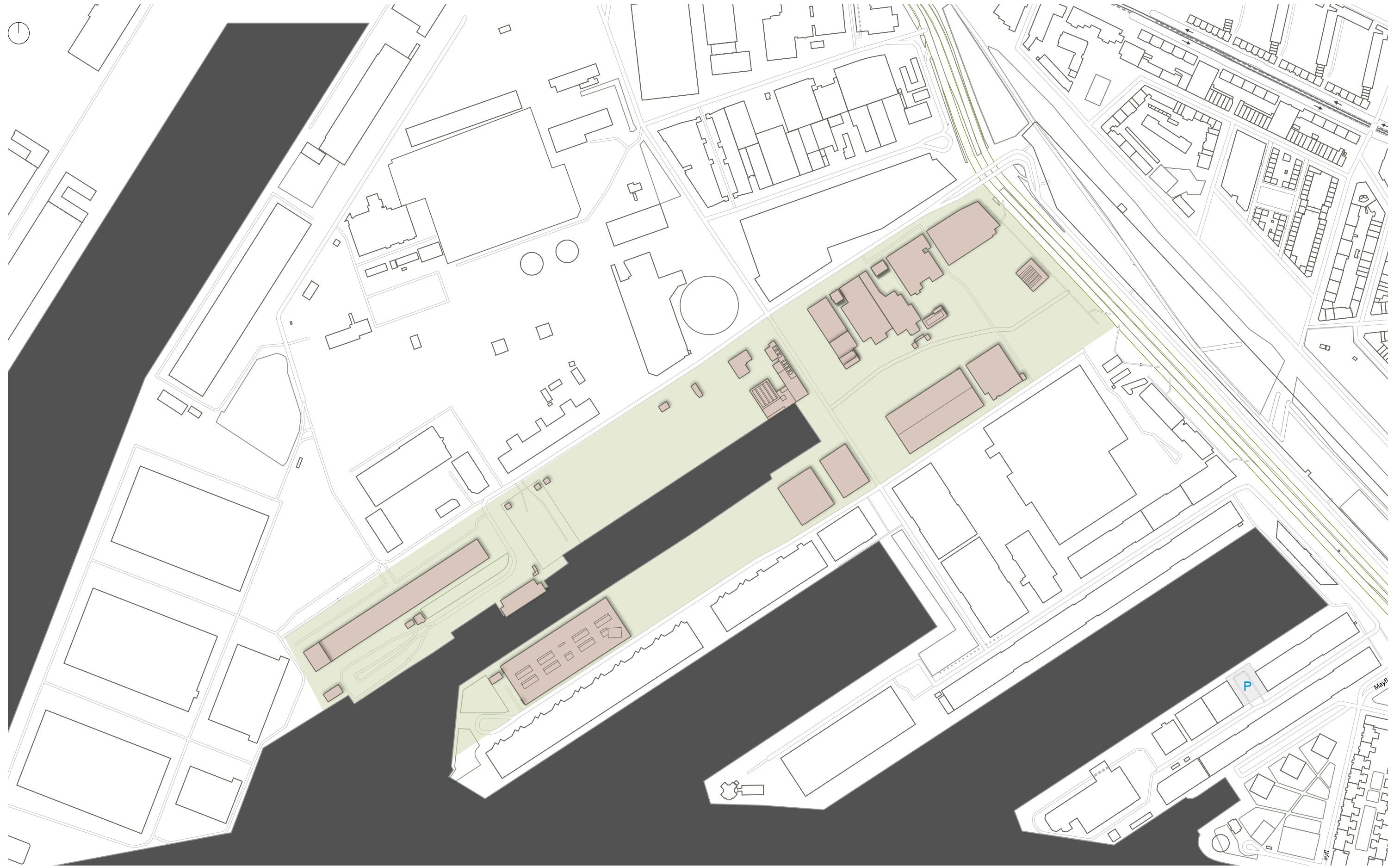
'By designing affordable housing that offers financial benefits and enables divorcing families to have social interaction.'

Location



M4h-area, Rotterdam, The Netherlands

Existing situation



Redevelopment plan

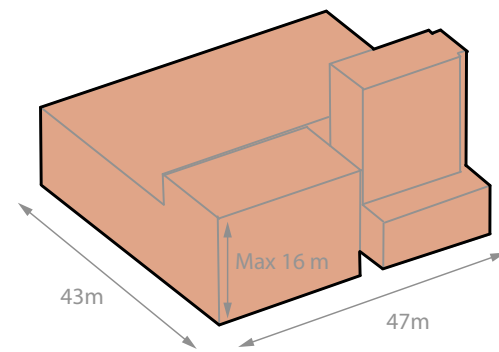


Redevelopment plan

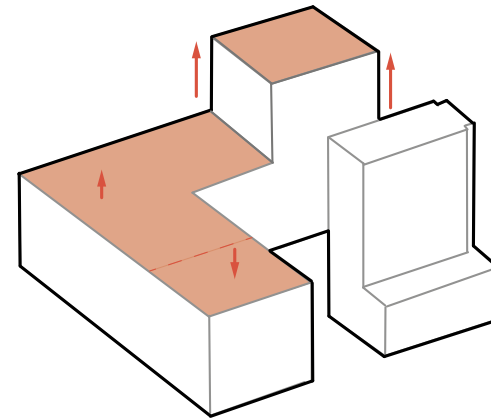


Redevelopment plan

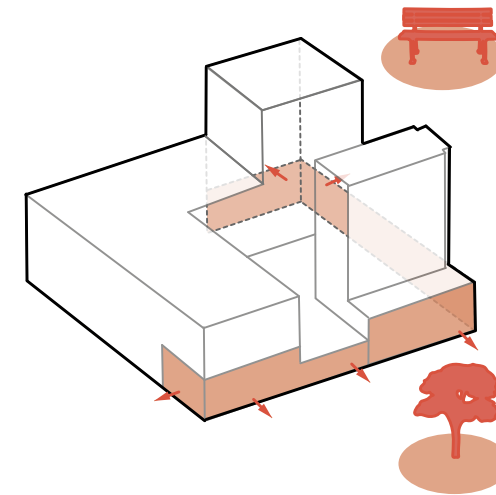




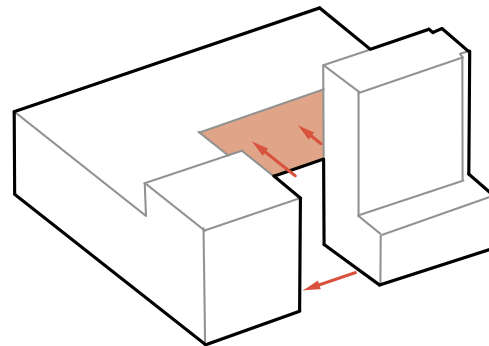
1. Design plot



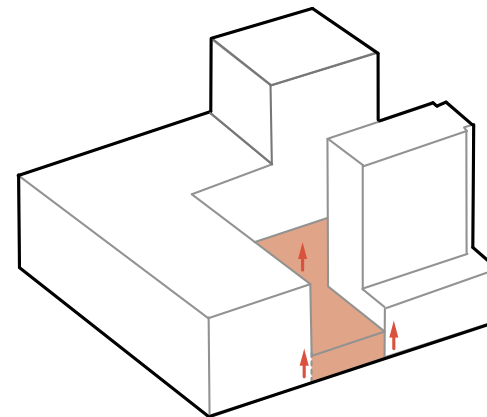
3. Placement of tower at the north east side



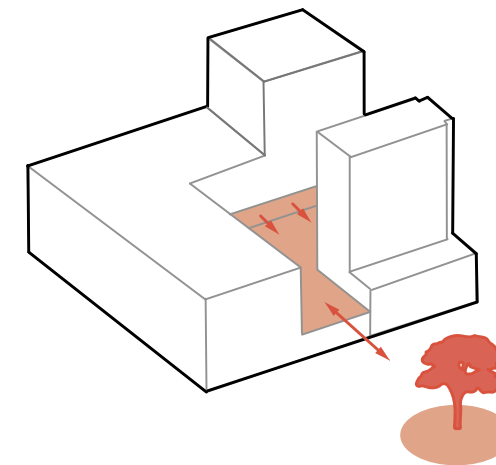
5. Makers located at the plinth



2. Reduce the width to increase daylight



4. Connect the new building mass with the existing structure

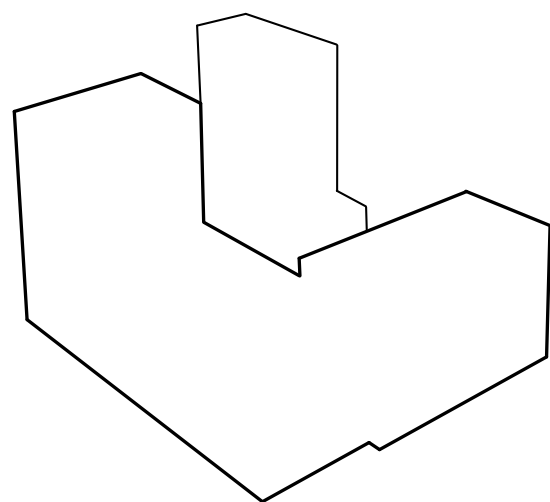


6. Colletive space

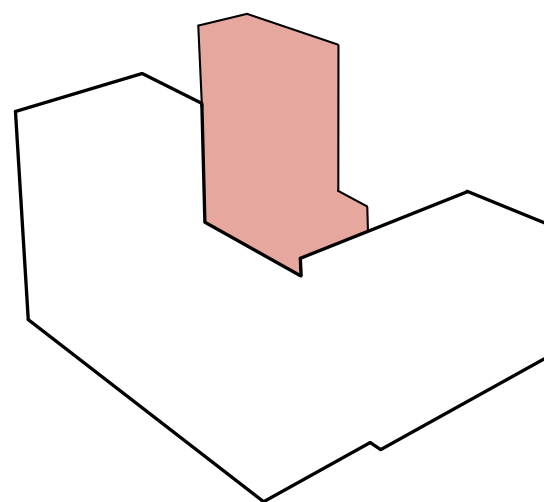




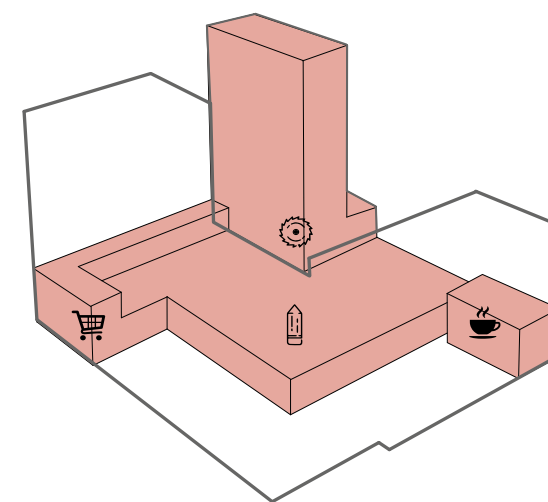




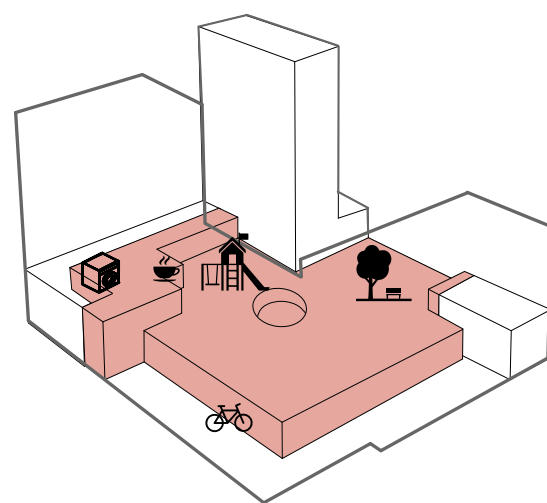
Building mass



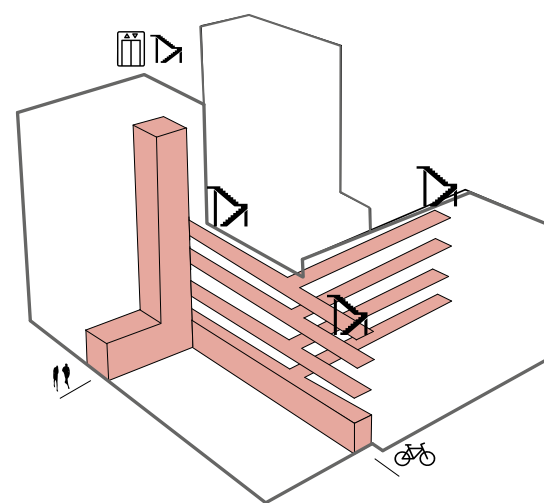
Existing structure



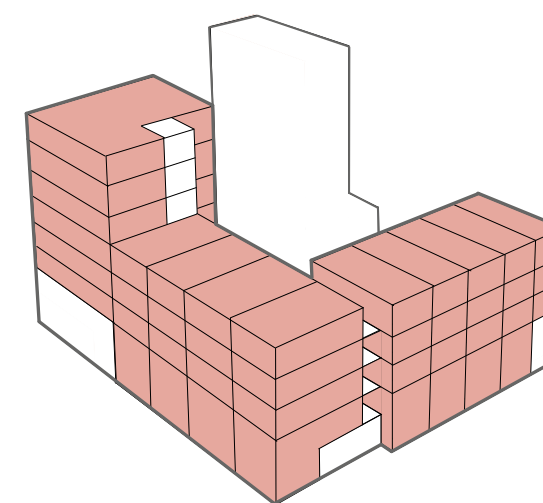
Makers



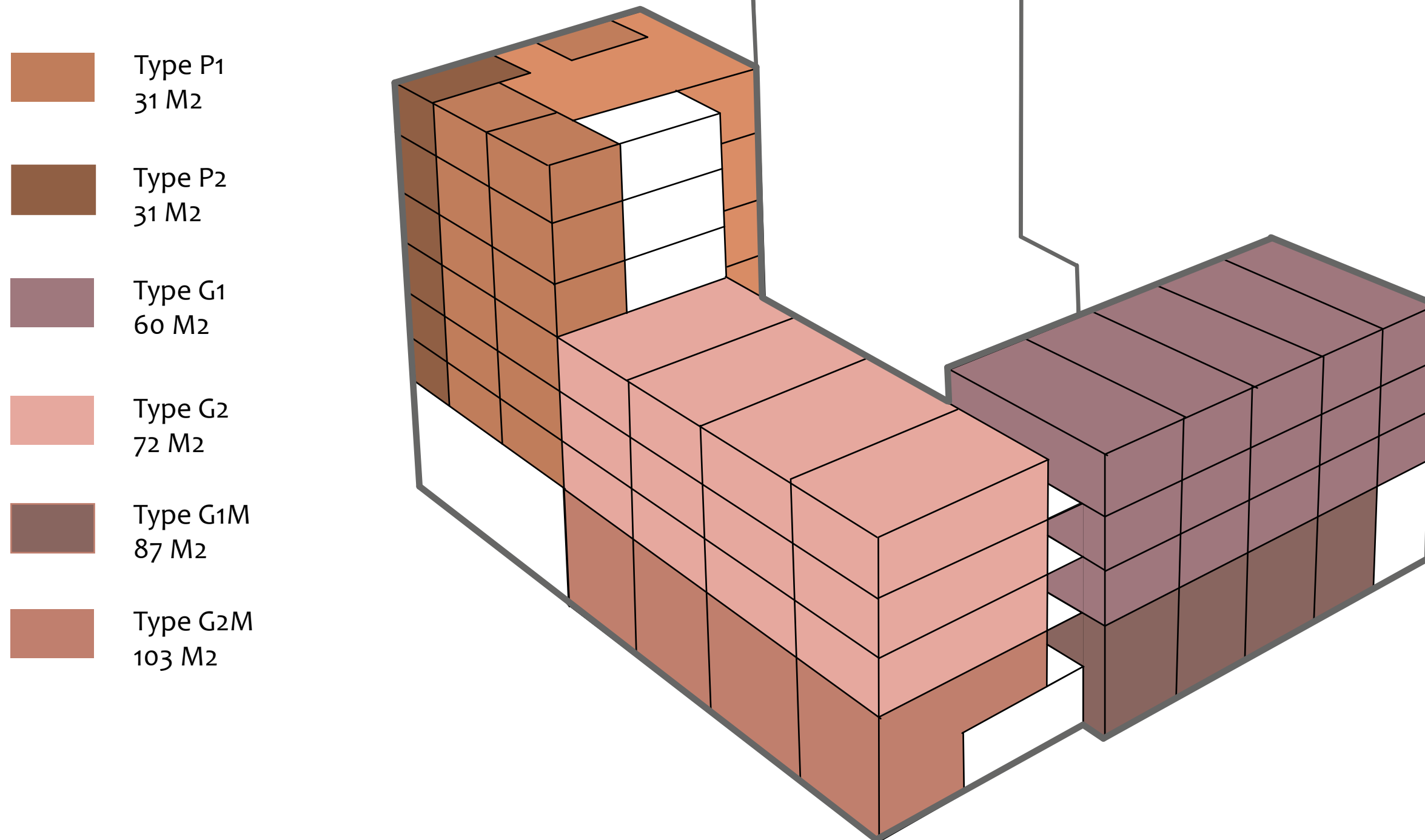
Collective facilities



Acces system



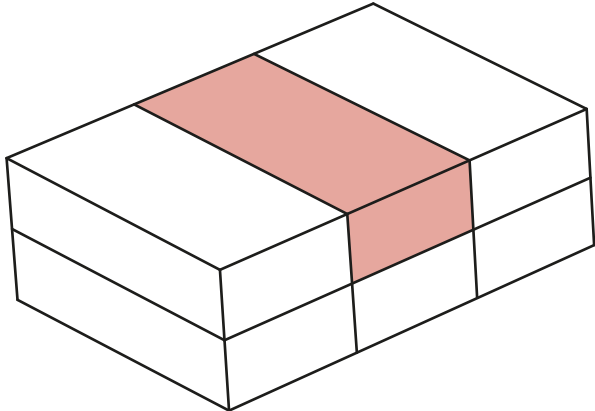
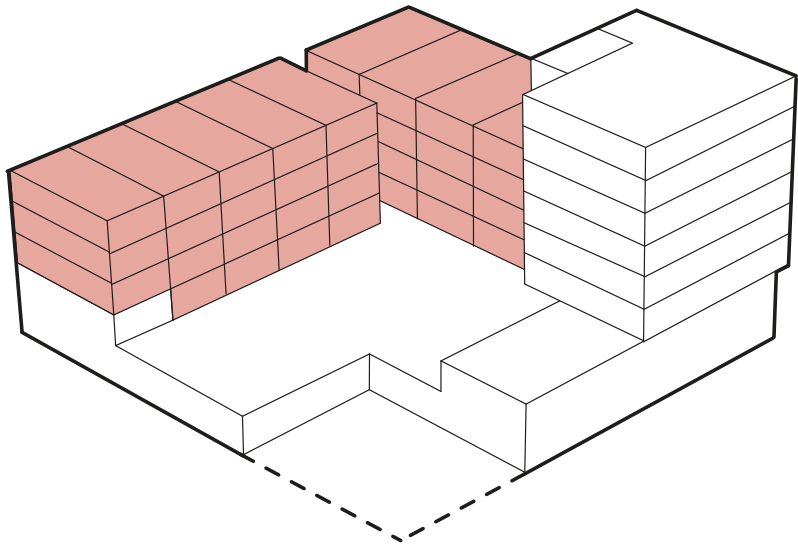
Dwellings



Dwelling concept



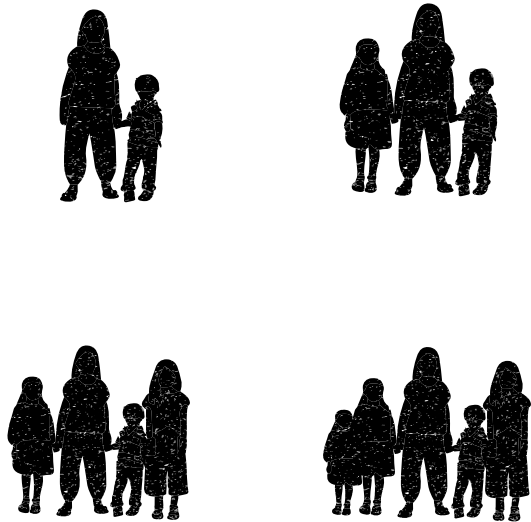
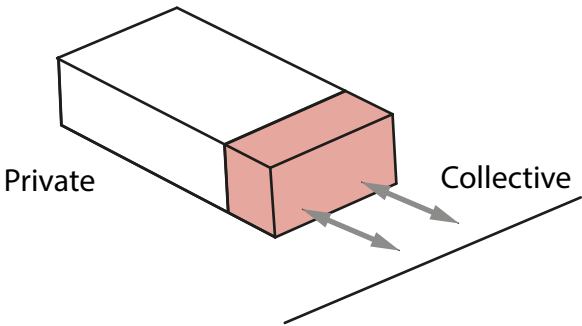
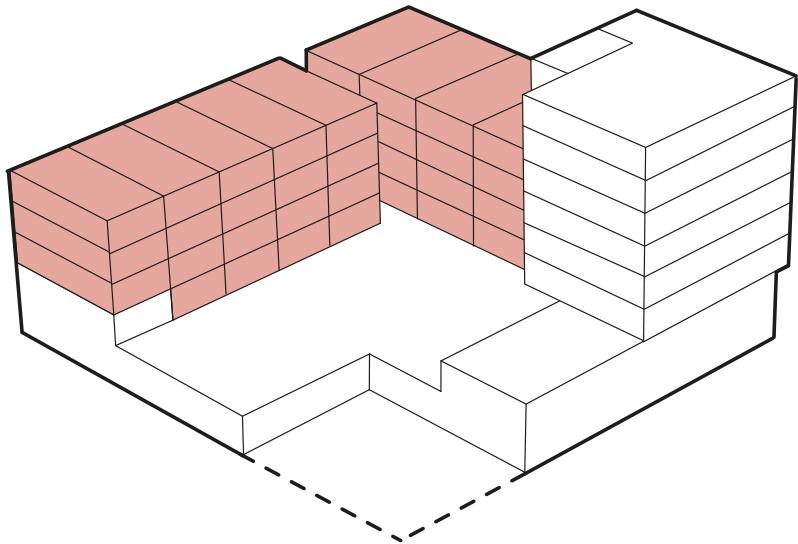
Primary parent family



Dwelling concept



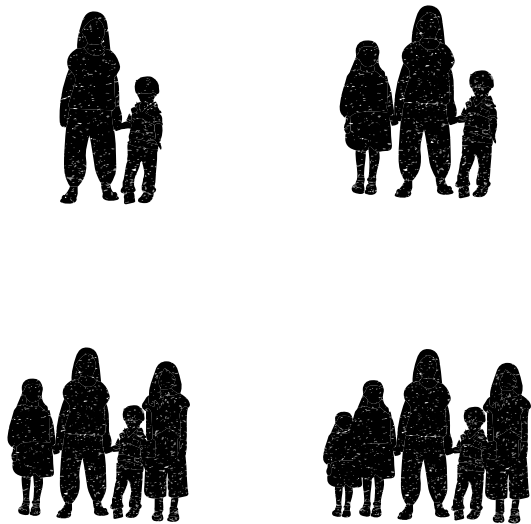
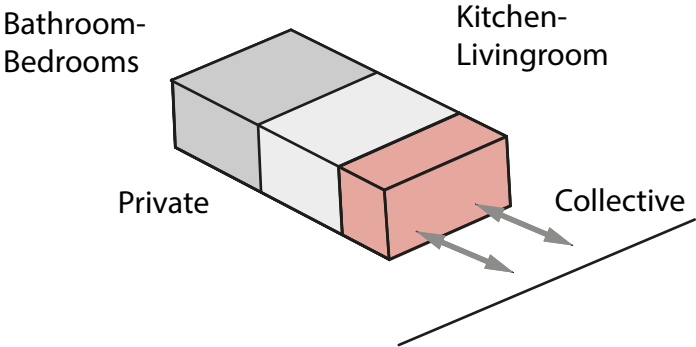
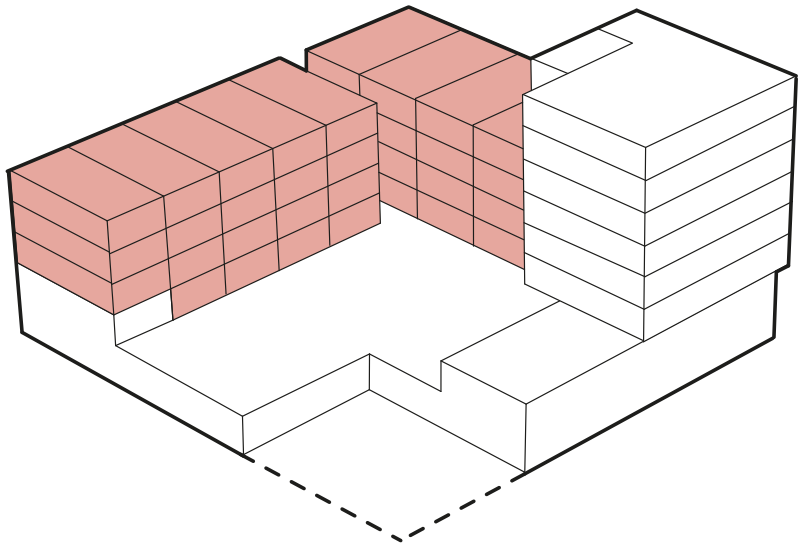
Primary parent family



Dwelling concept



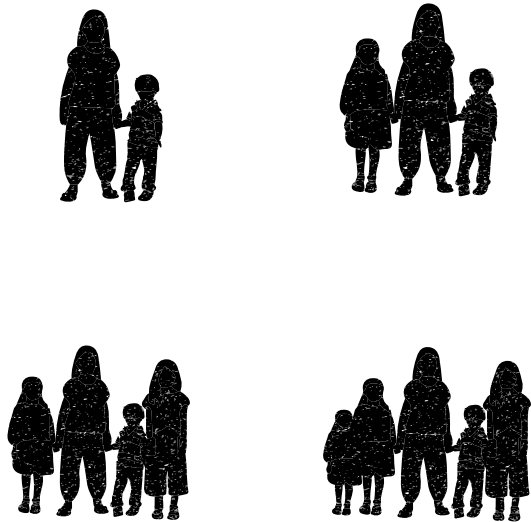
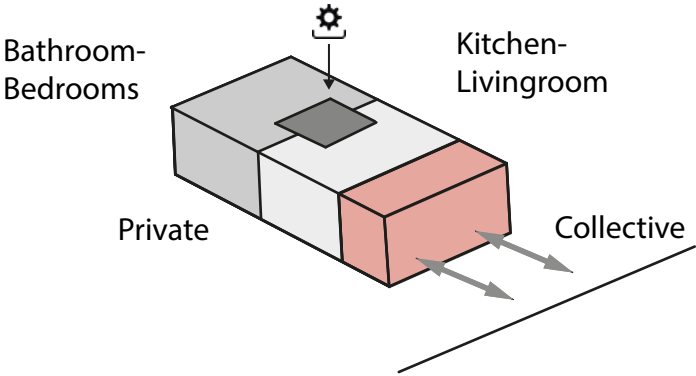
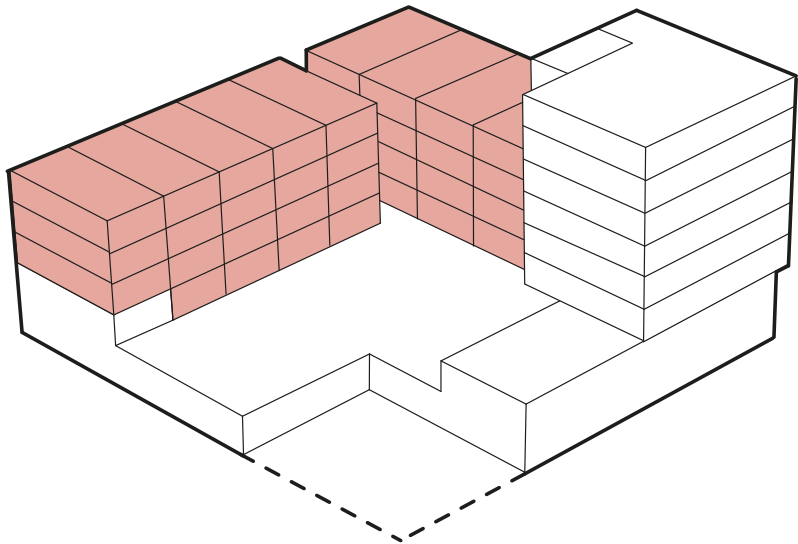
Primary parent family



Dwelling concept

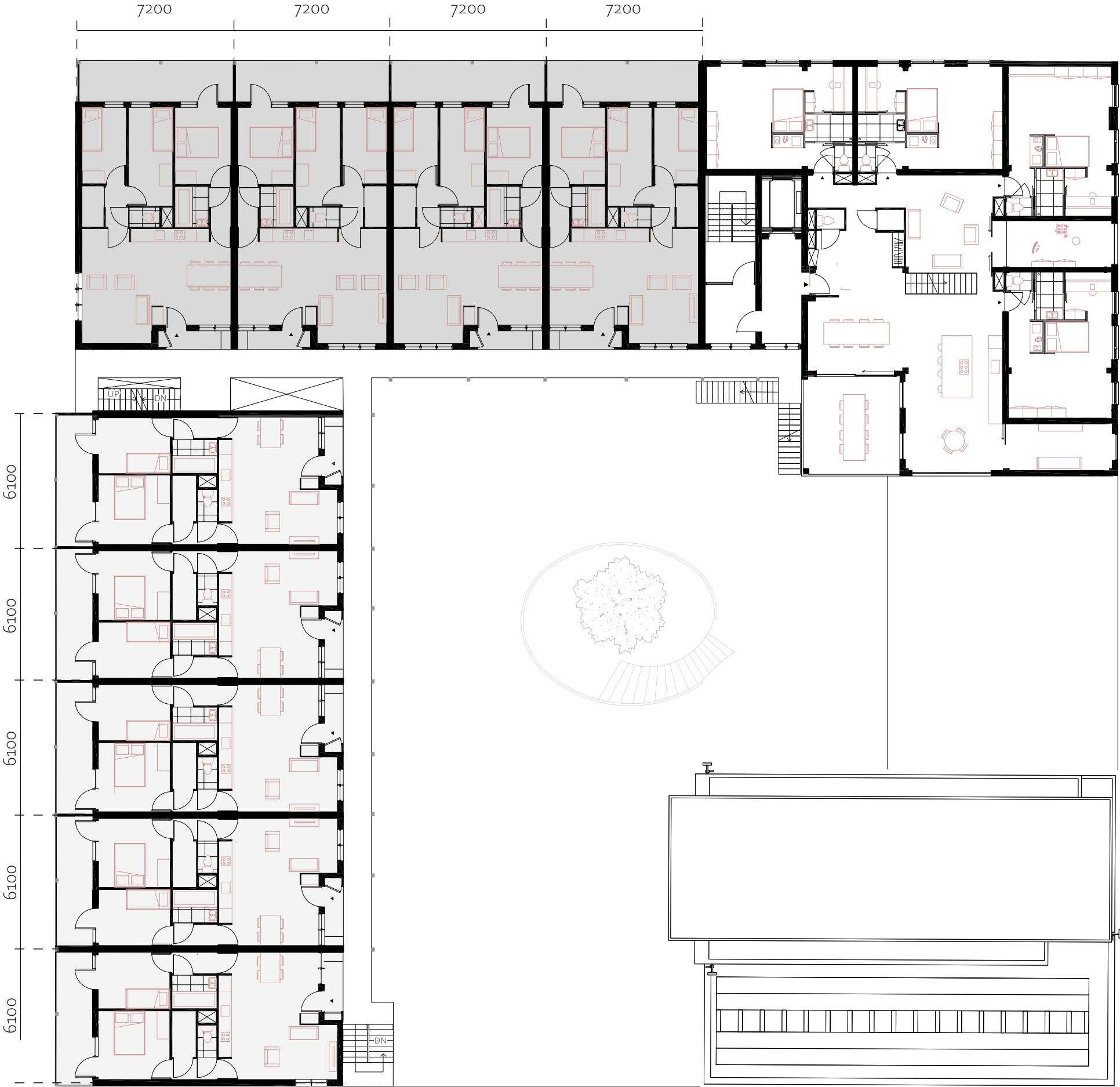


Primary parent family



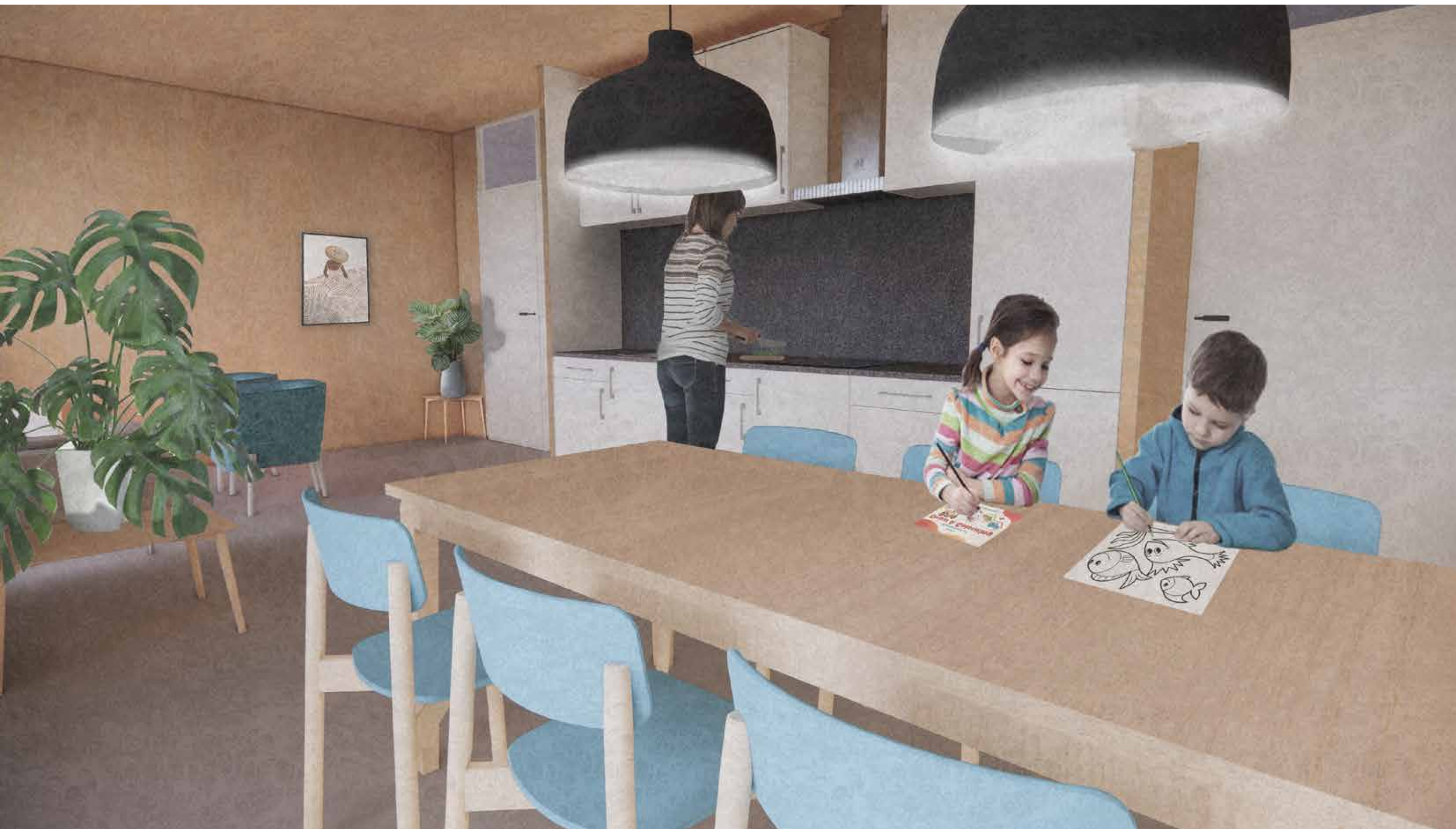
Floorplan

Second floor









Type G1



60 M2



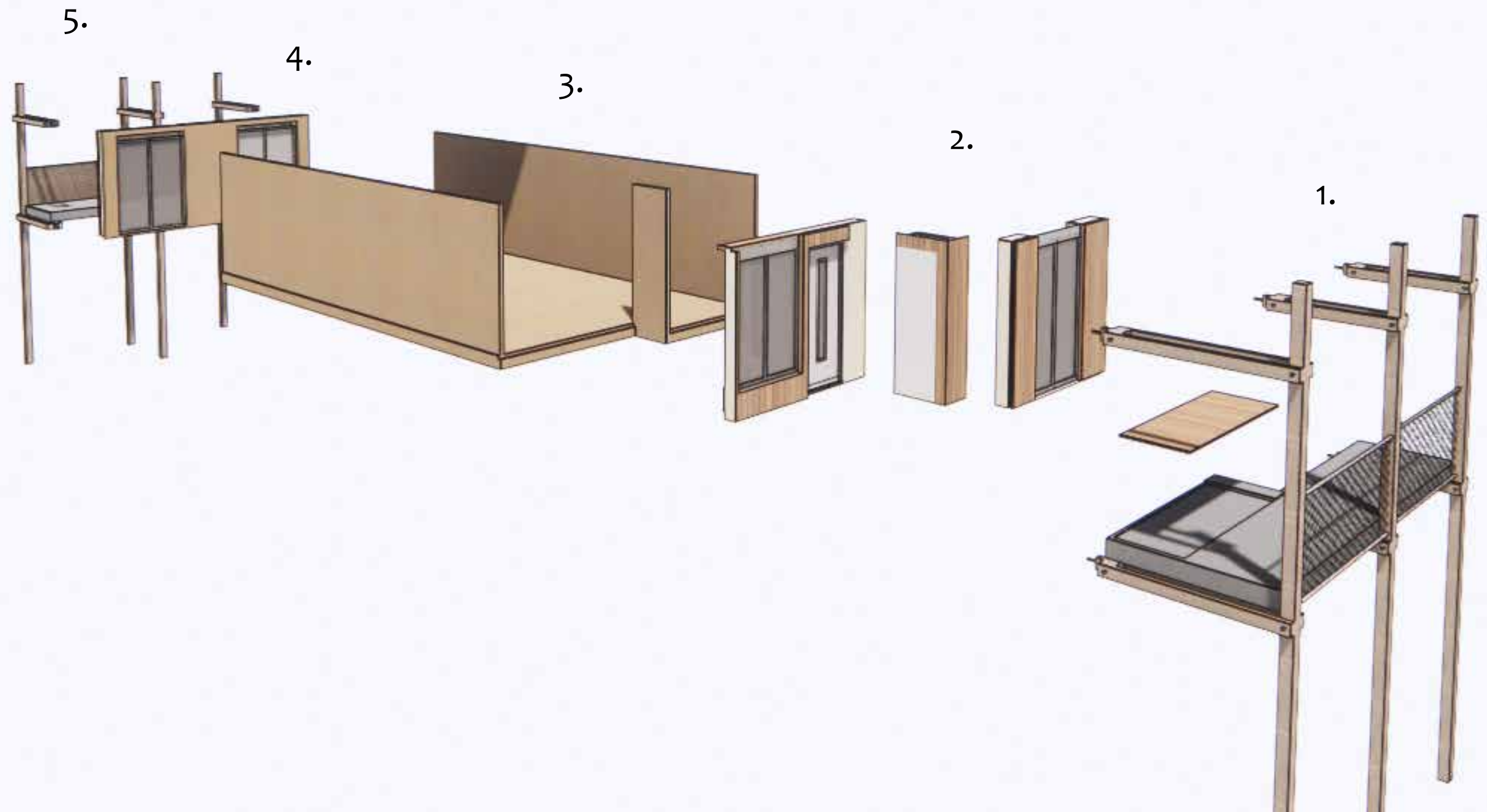
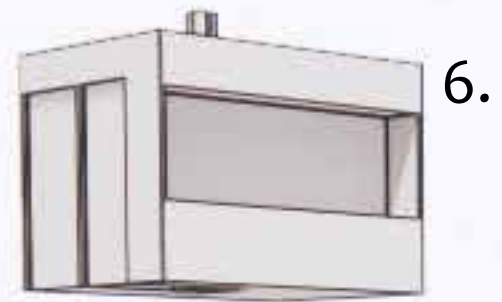
Type G2



72 M2



- 1. Gallery construction
- 2. Facade parts courtyard side
- 3. CLT construction
- 4. Facade parts
- 5. Balcony construction
- 6. Bathroom/kitchen/toilet



Climate



Collecting rain water



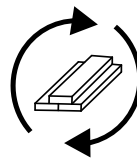
Collecting grey water



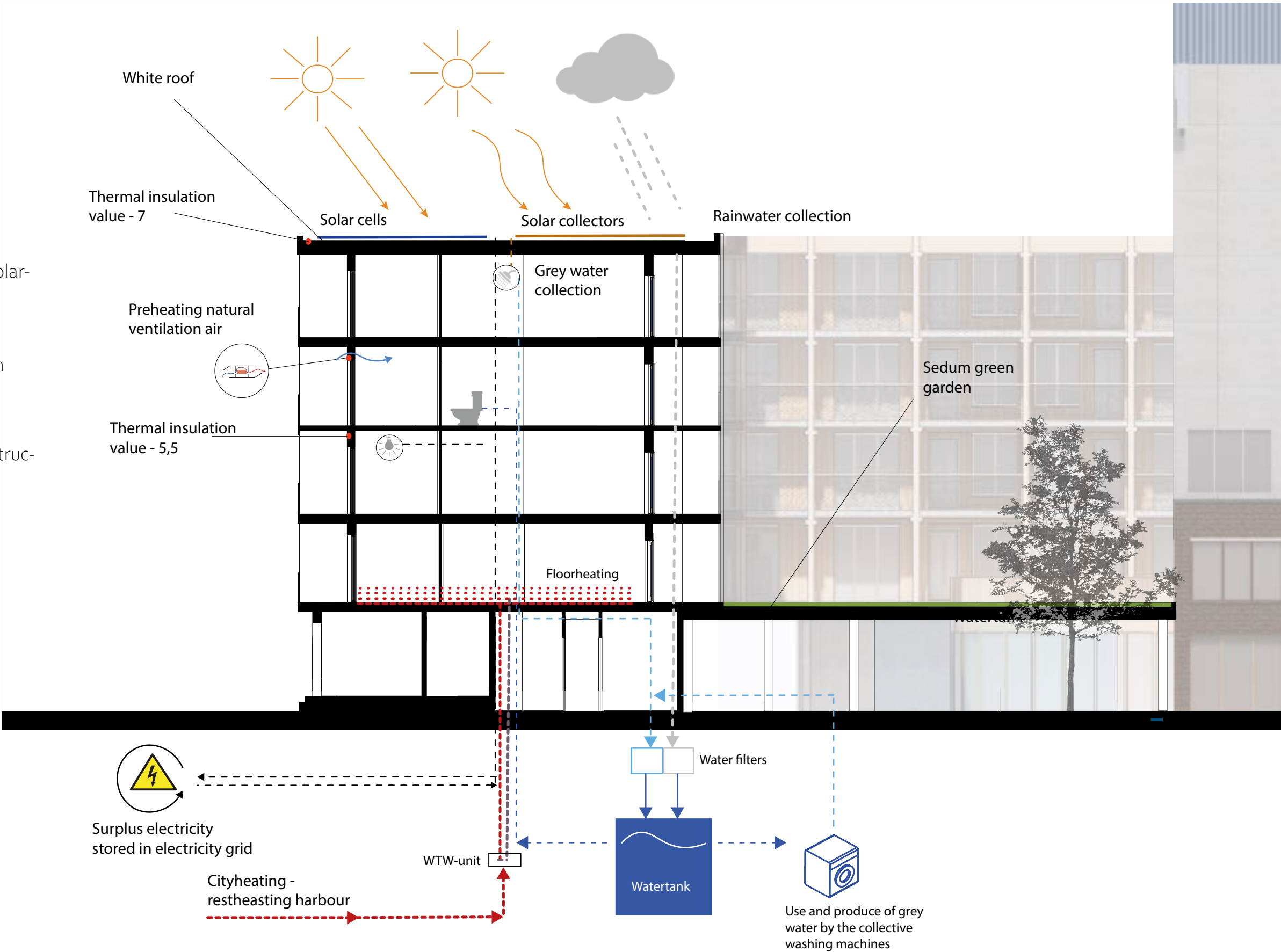
Generating electricity through solar-panels



Generating warm water through solar collectors



Circular use of materials in construction and facade

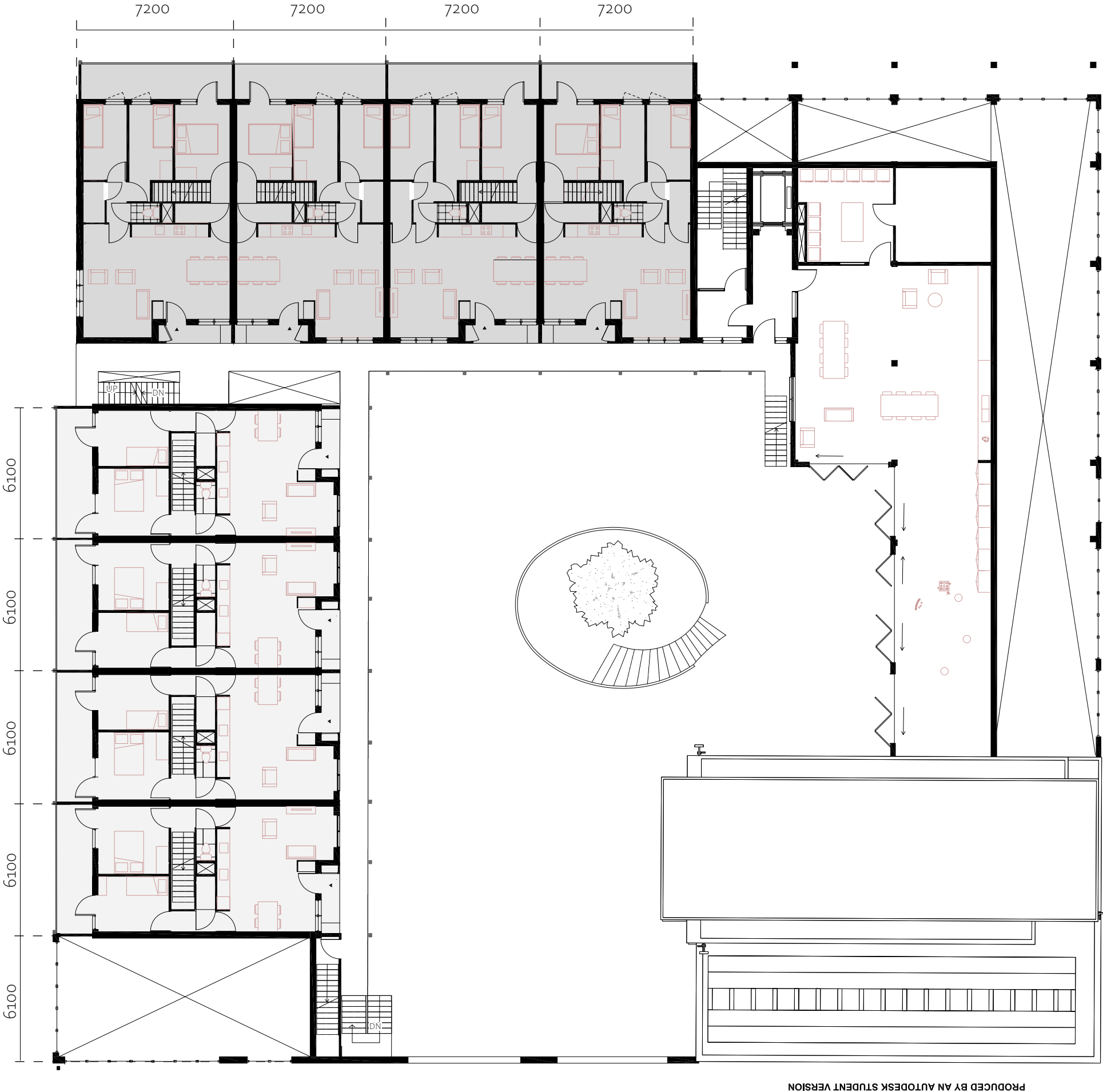


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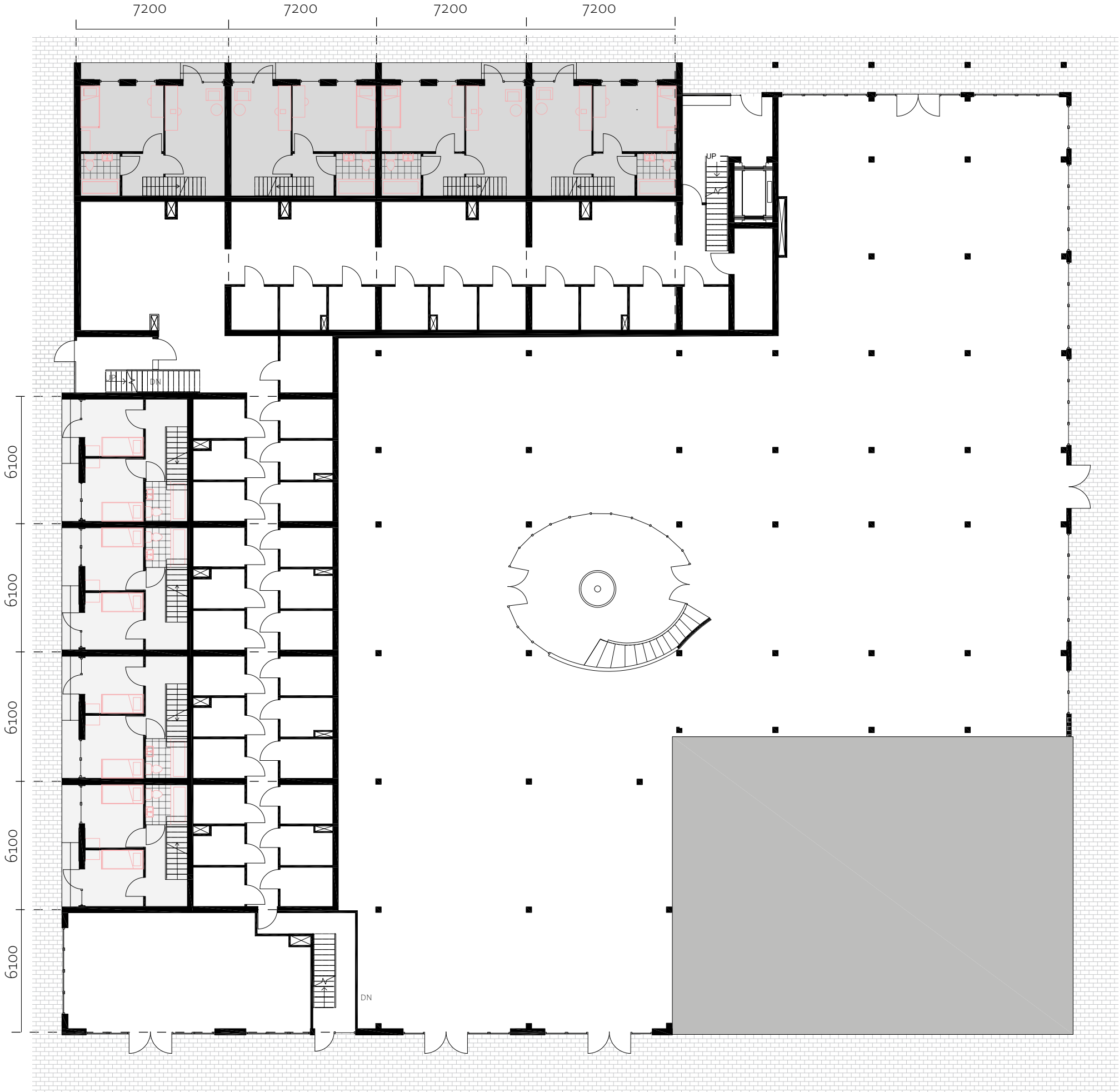
Floorplan

First floor



Floorplan

Ground floor



Scale 1:200



Type G1M



87 M2



Type G2M



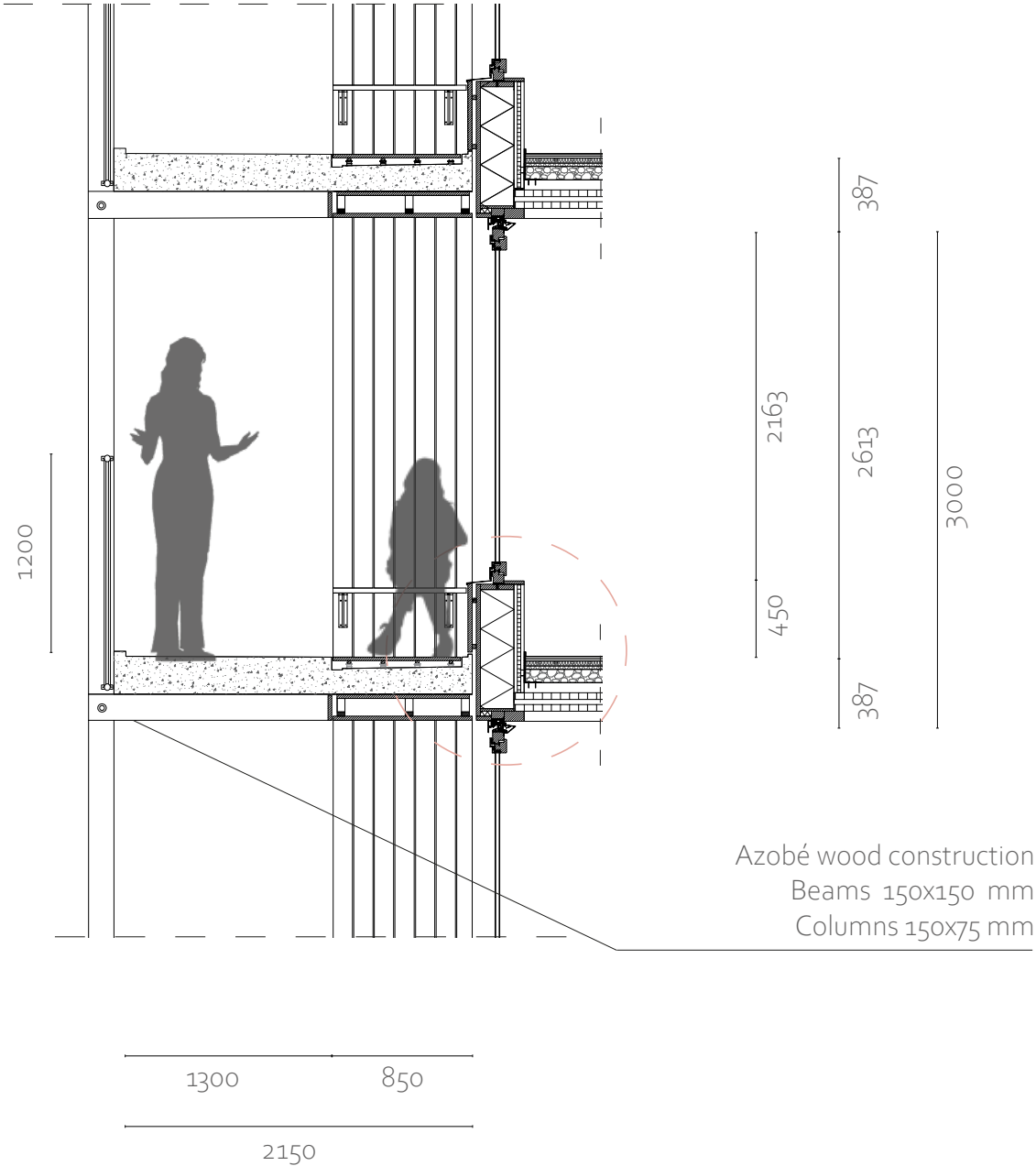
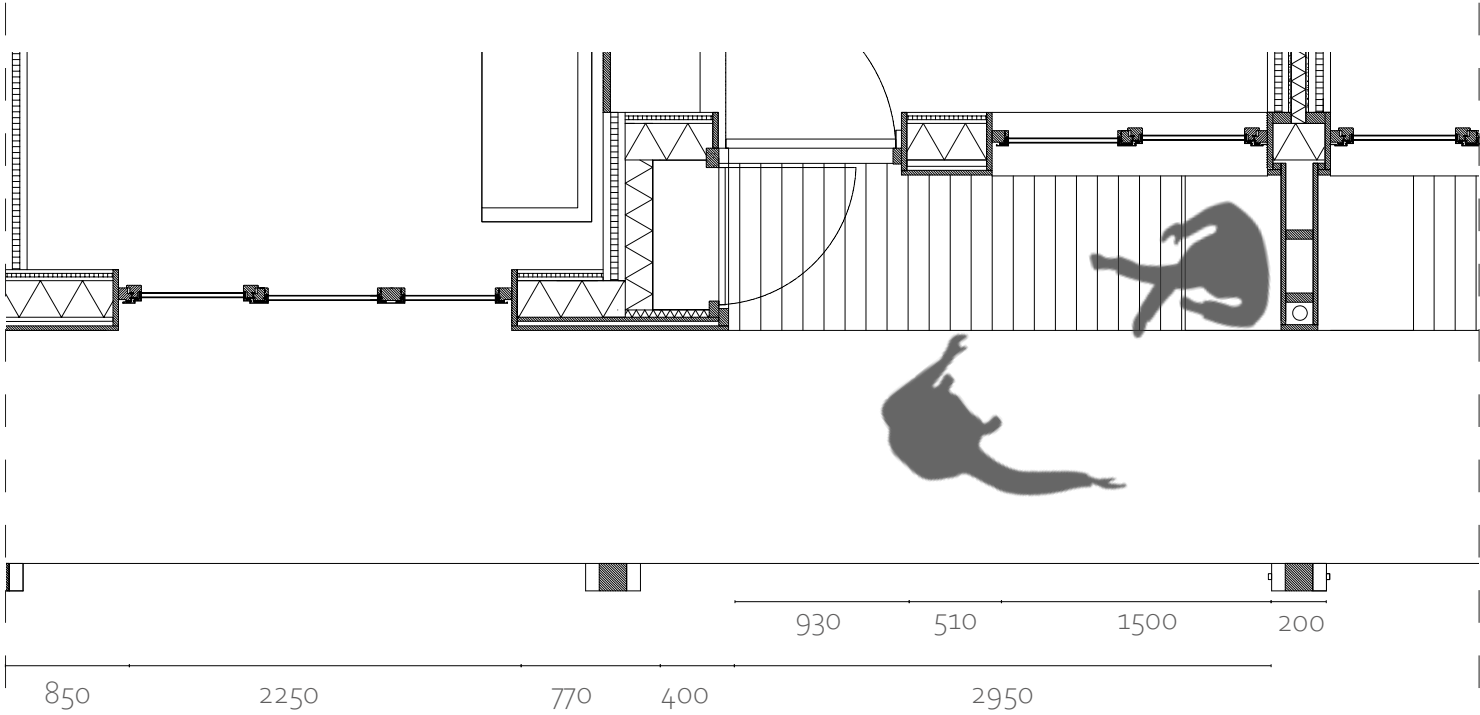
103 M2



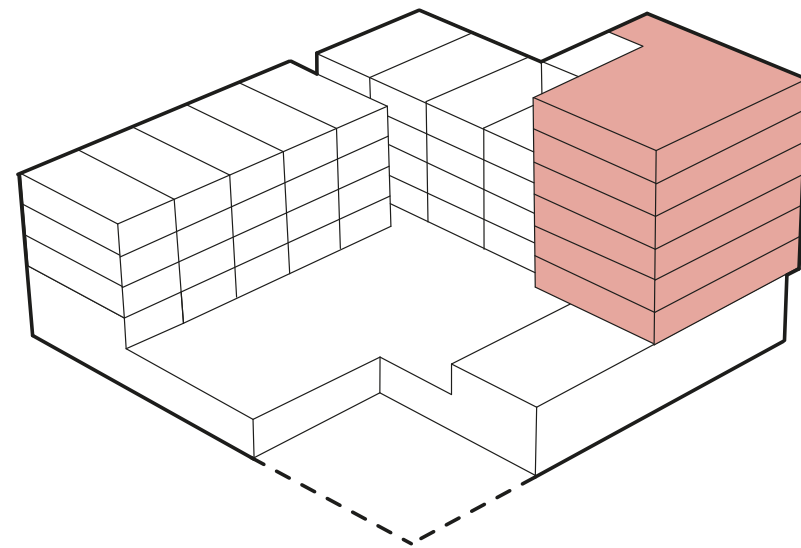




Facade fragment
courtyard



Dwelling concept

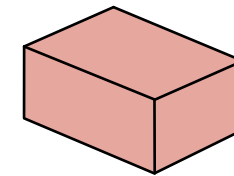
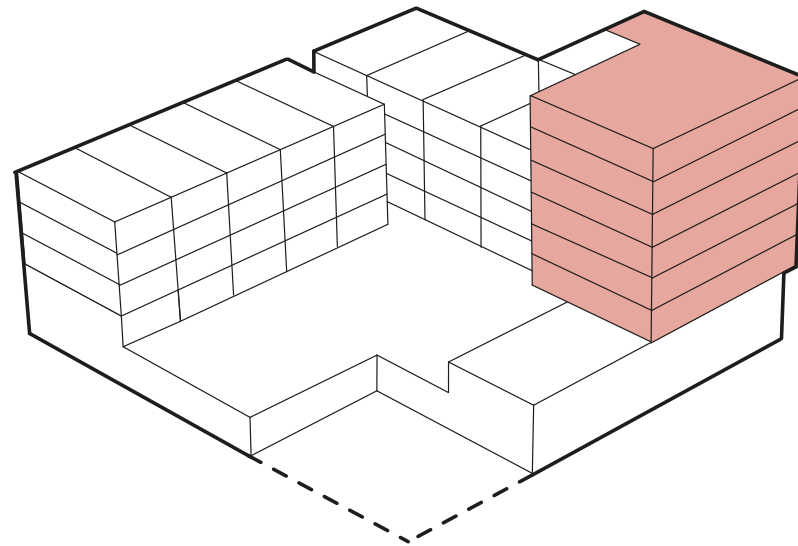


Secondary parent family

Dwelling concept



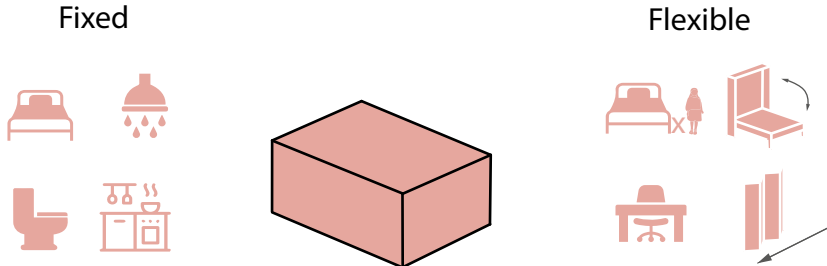
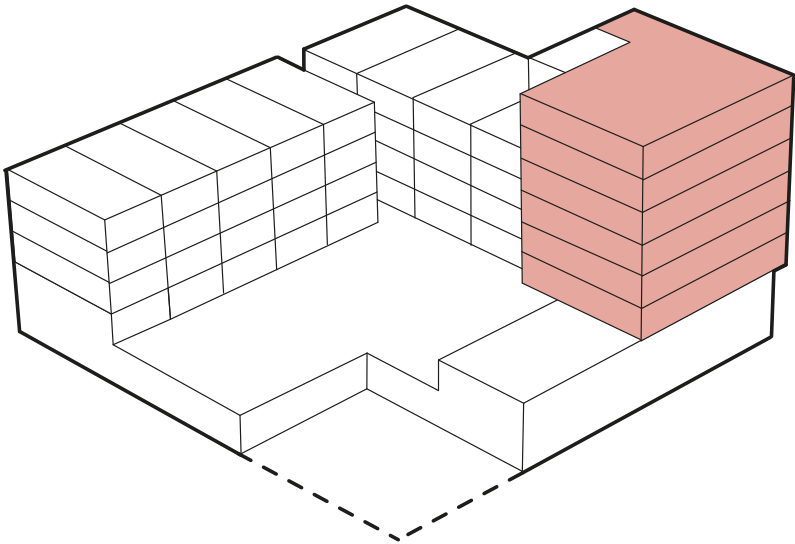
Secondary parent family



Dwelling concept



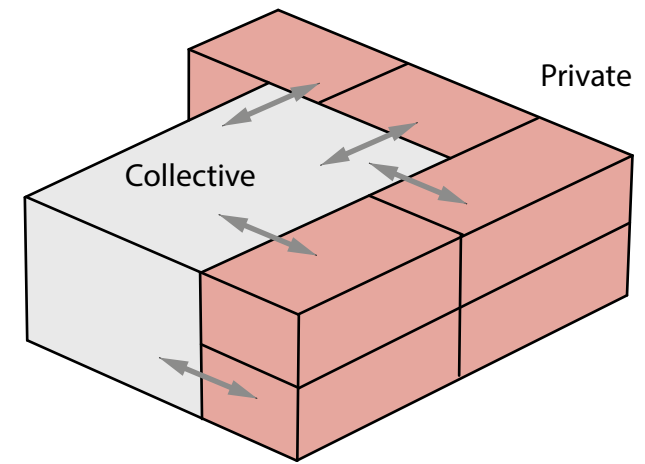
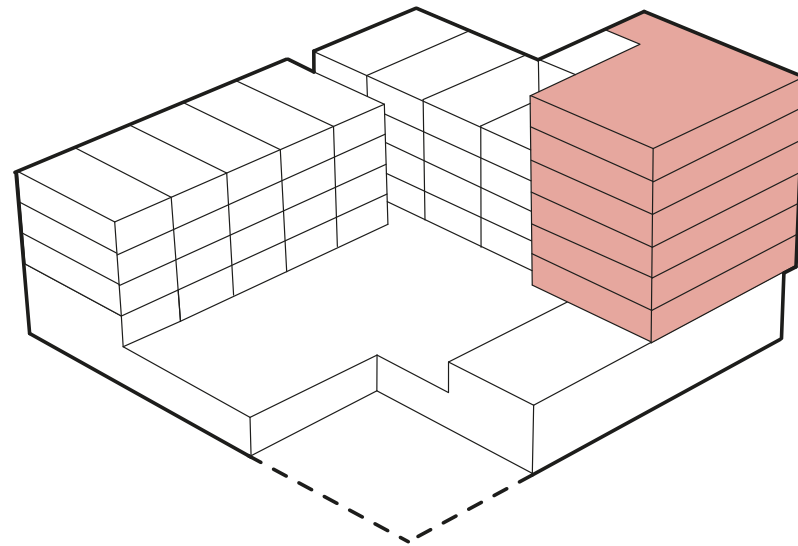
Secondary parent family



Dwelling concept

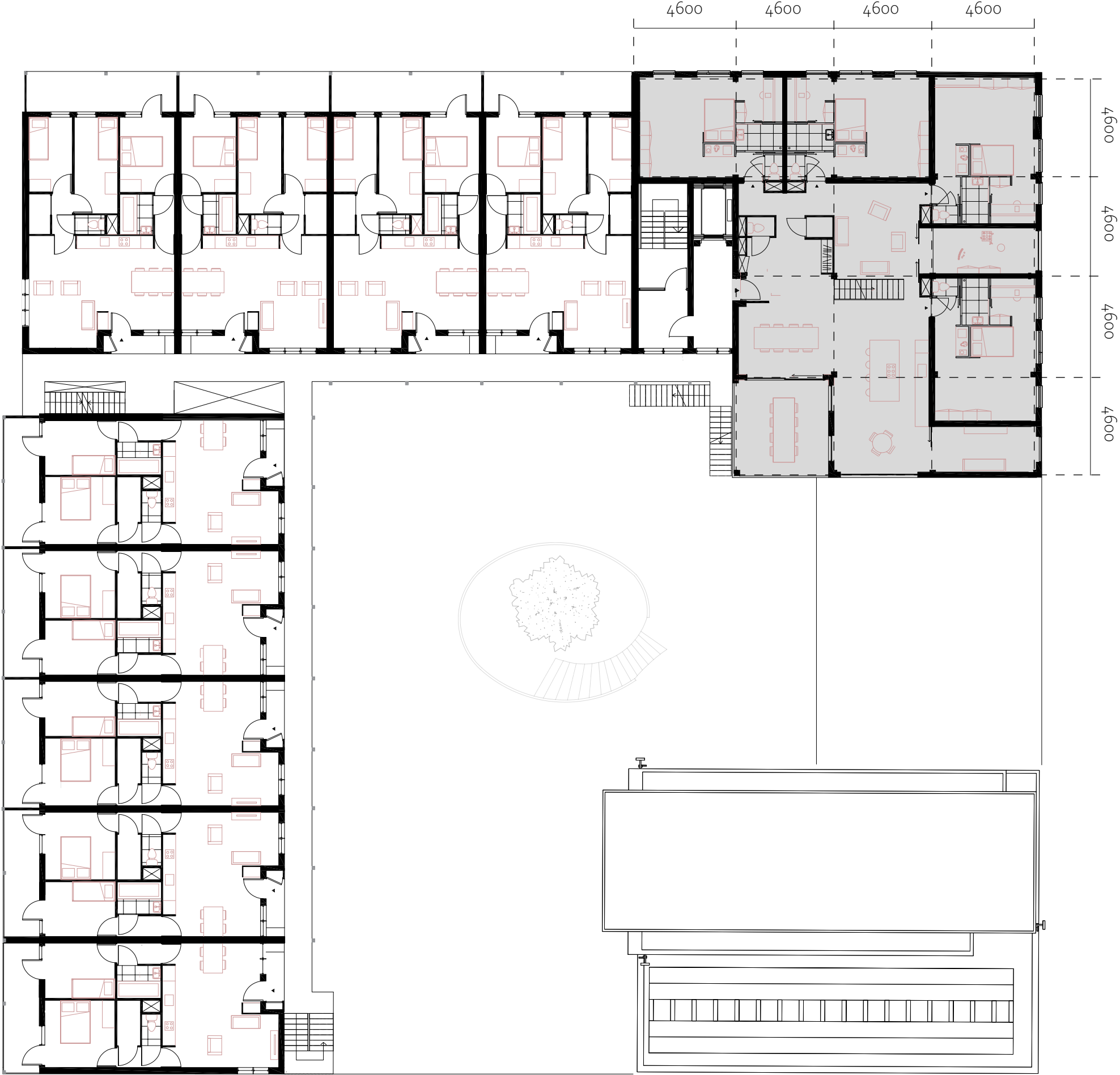


Secondary parent family



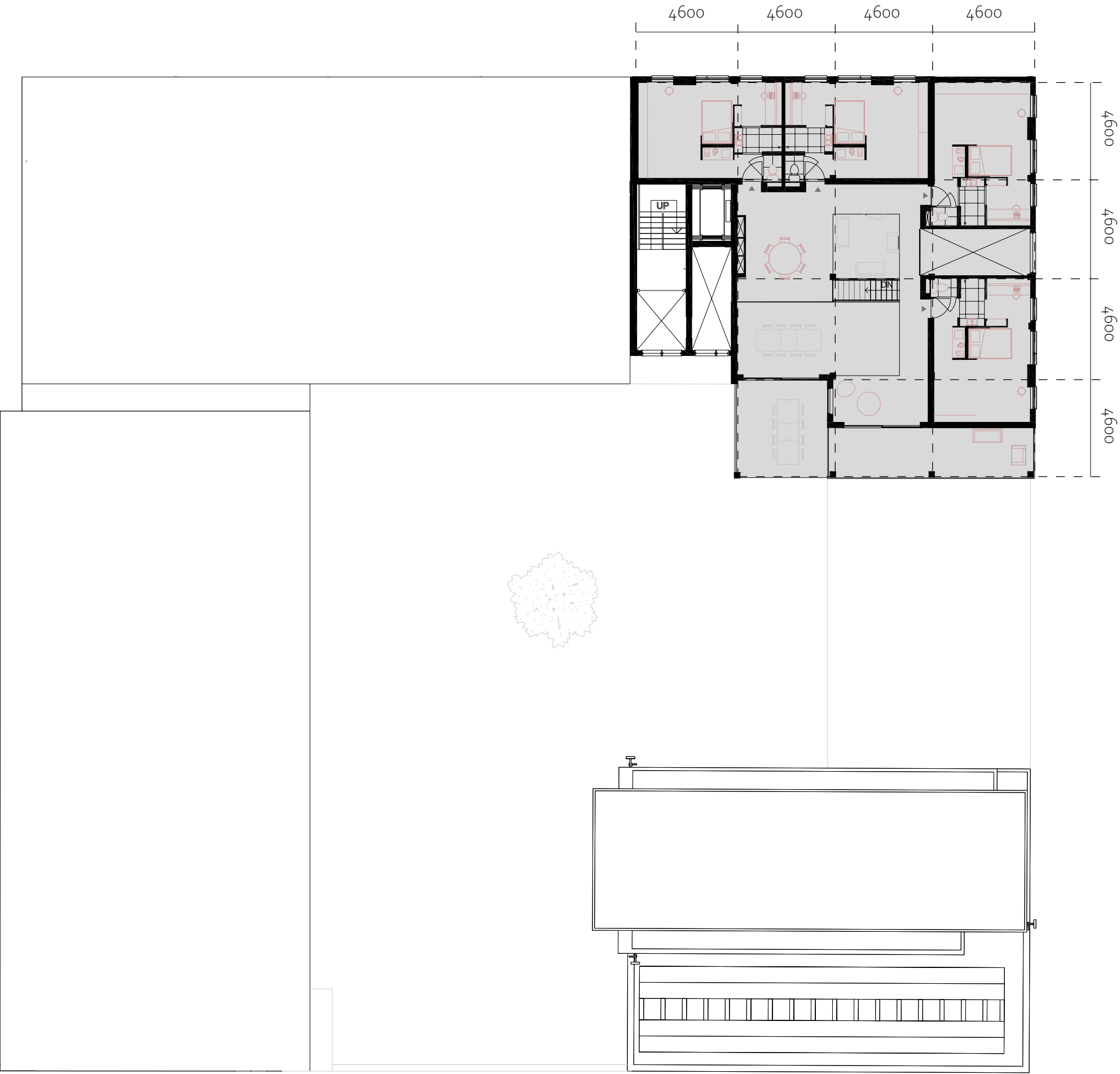
Floorplan

Second floor



Floorplan

Eight floor



Floorplan Studio type P1

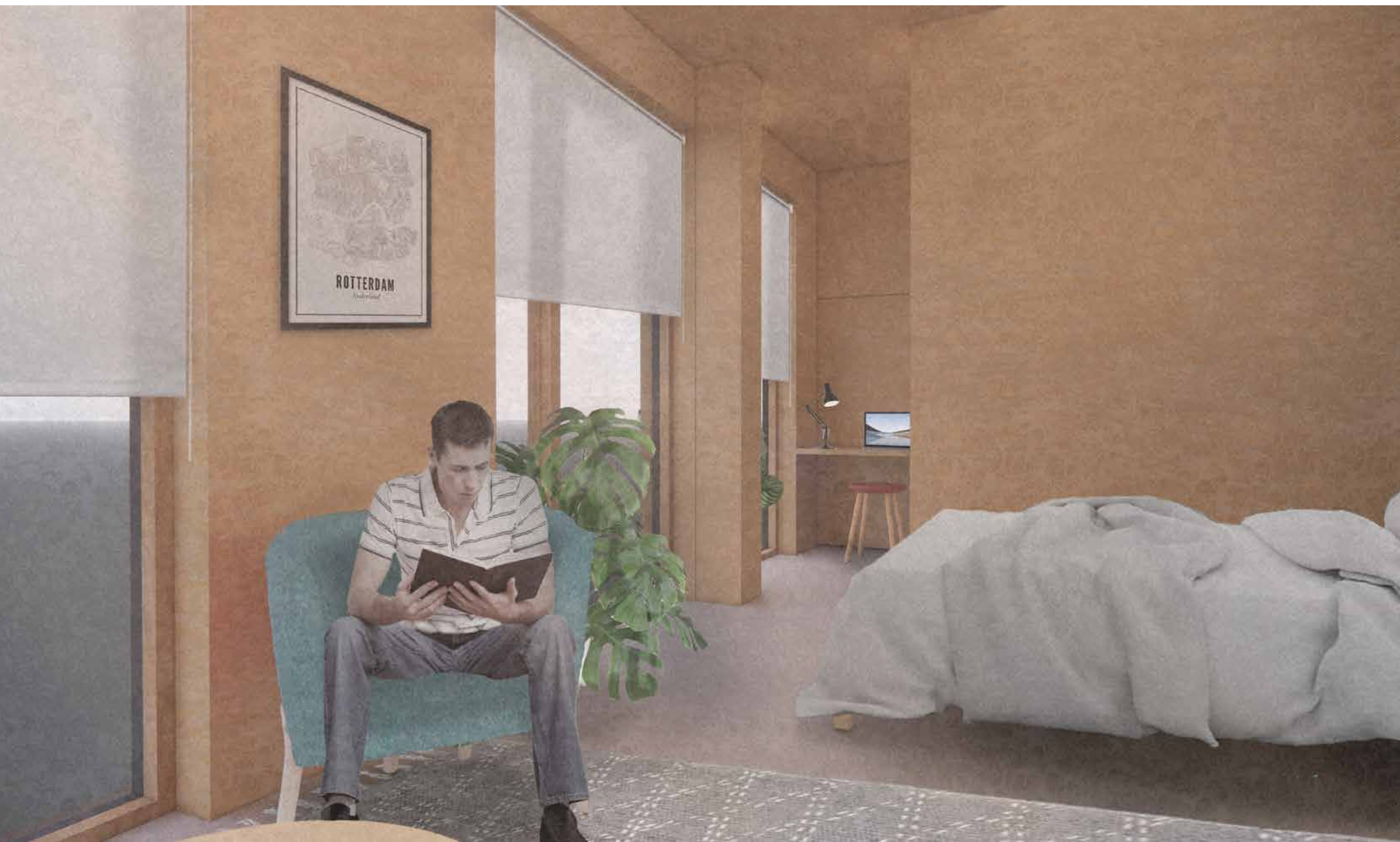
31 M²



Floorplan Studio type P1

31 M²















Ground floor



Collective entrance

Shared bike storage

Storage space

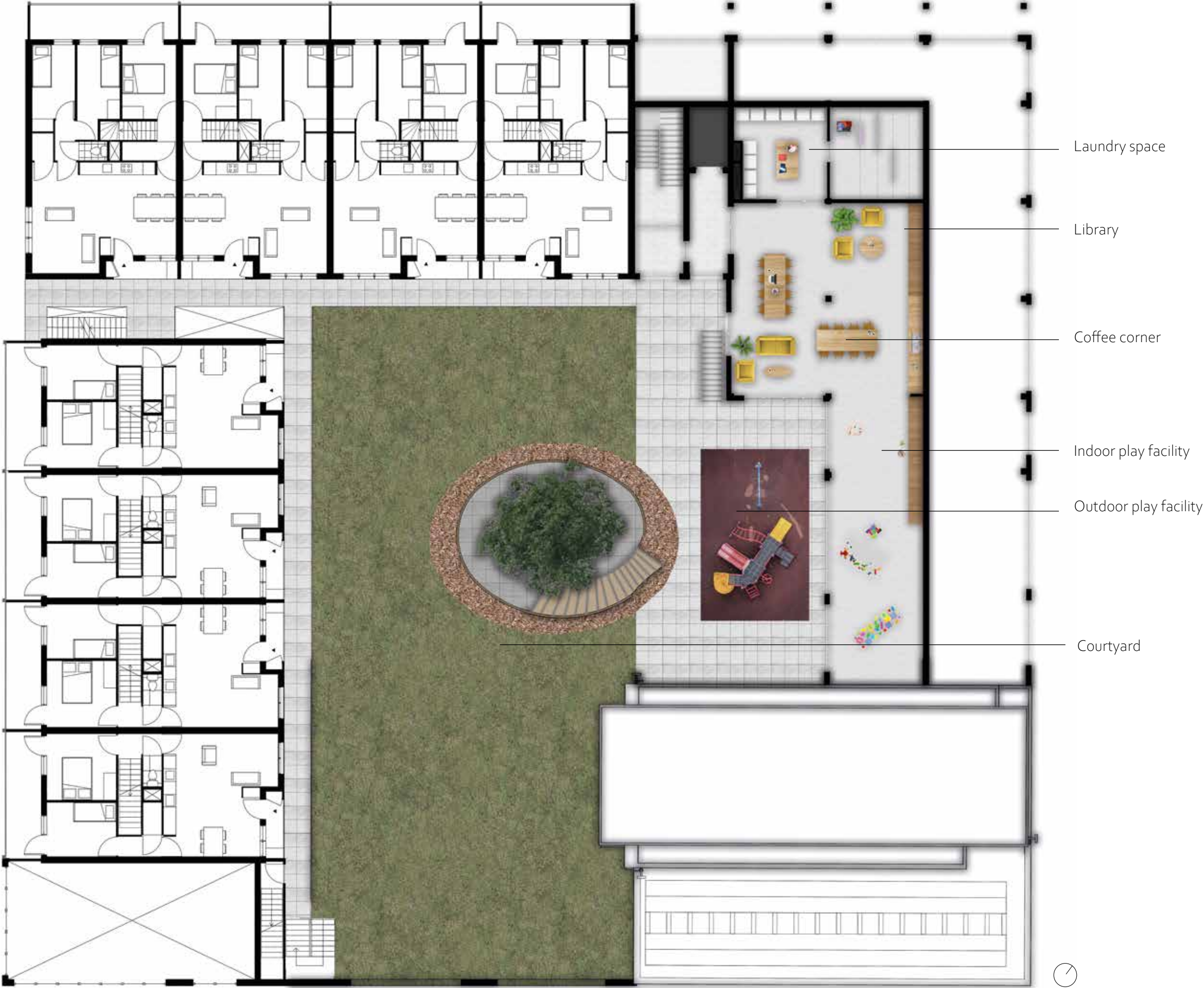
Makers area - store

Makers area - Wood workshop

Makers area - Café



First floor









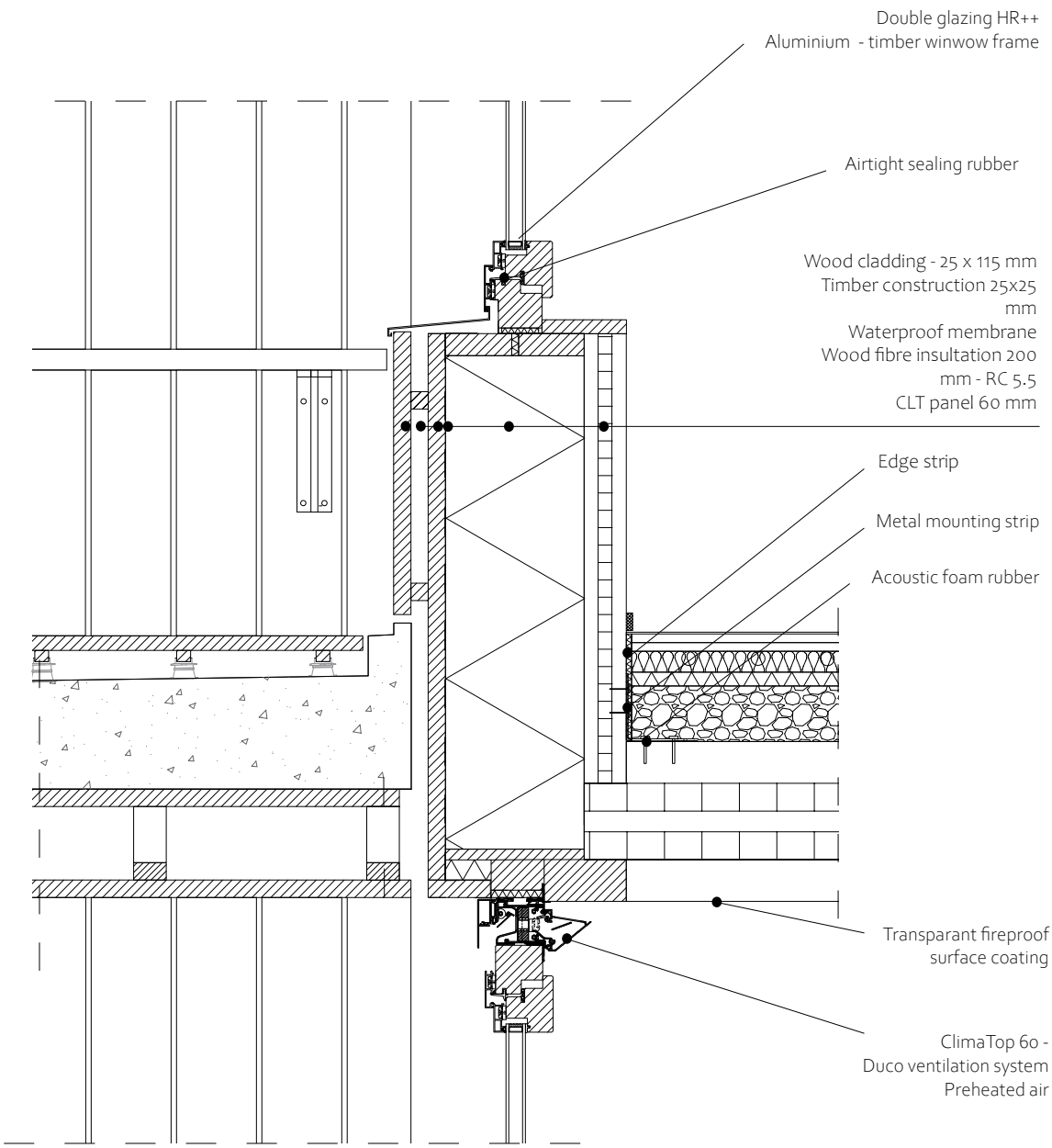
Thankyou !

Facade fragment

Courtyard

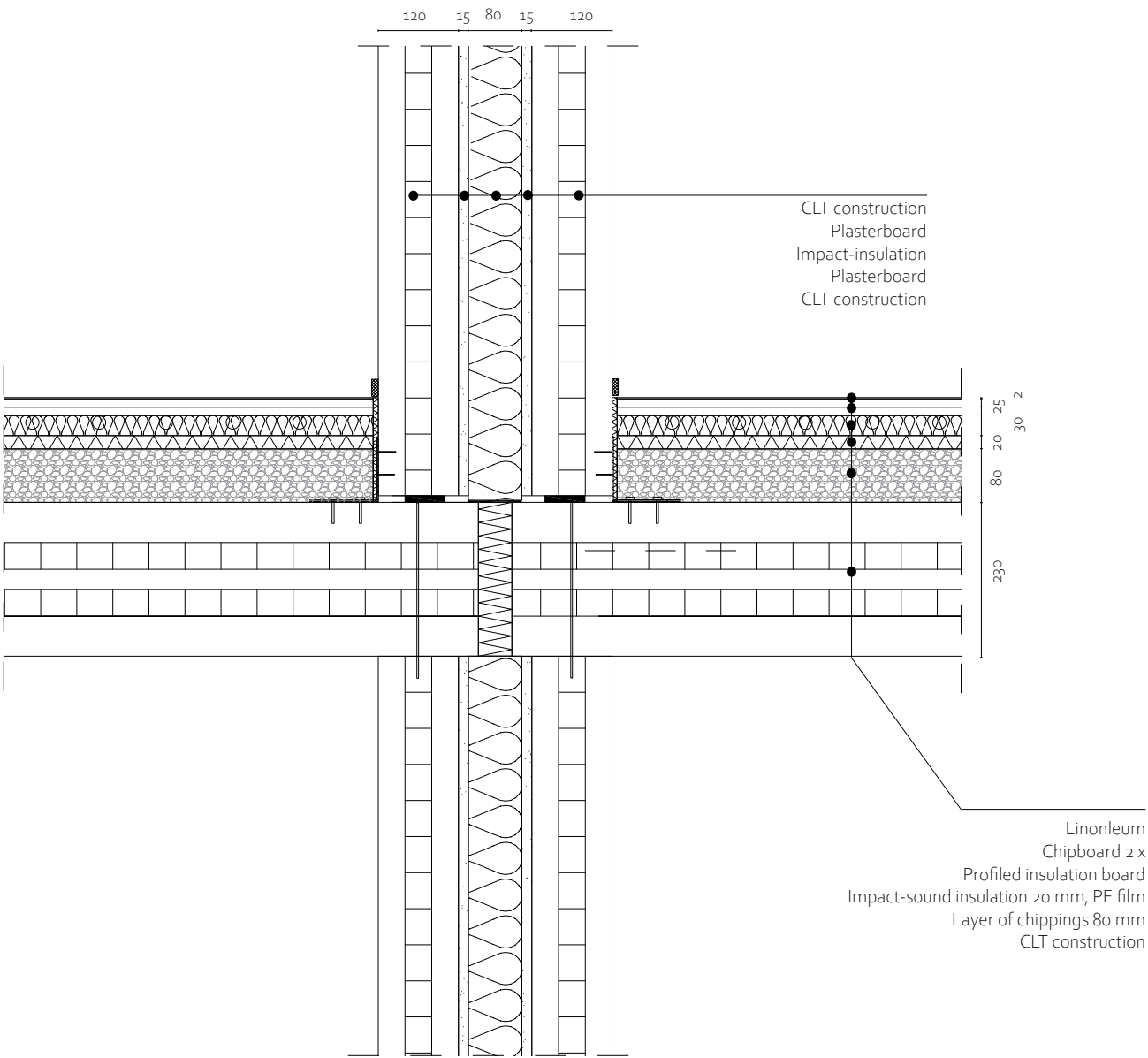


Detail



Construction

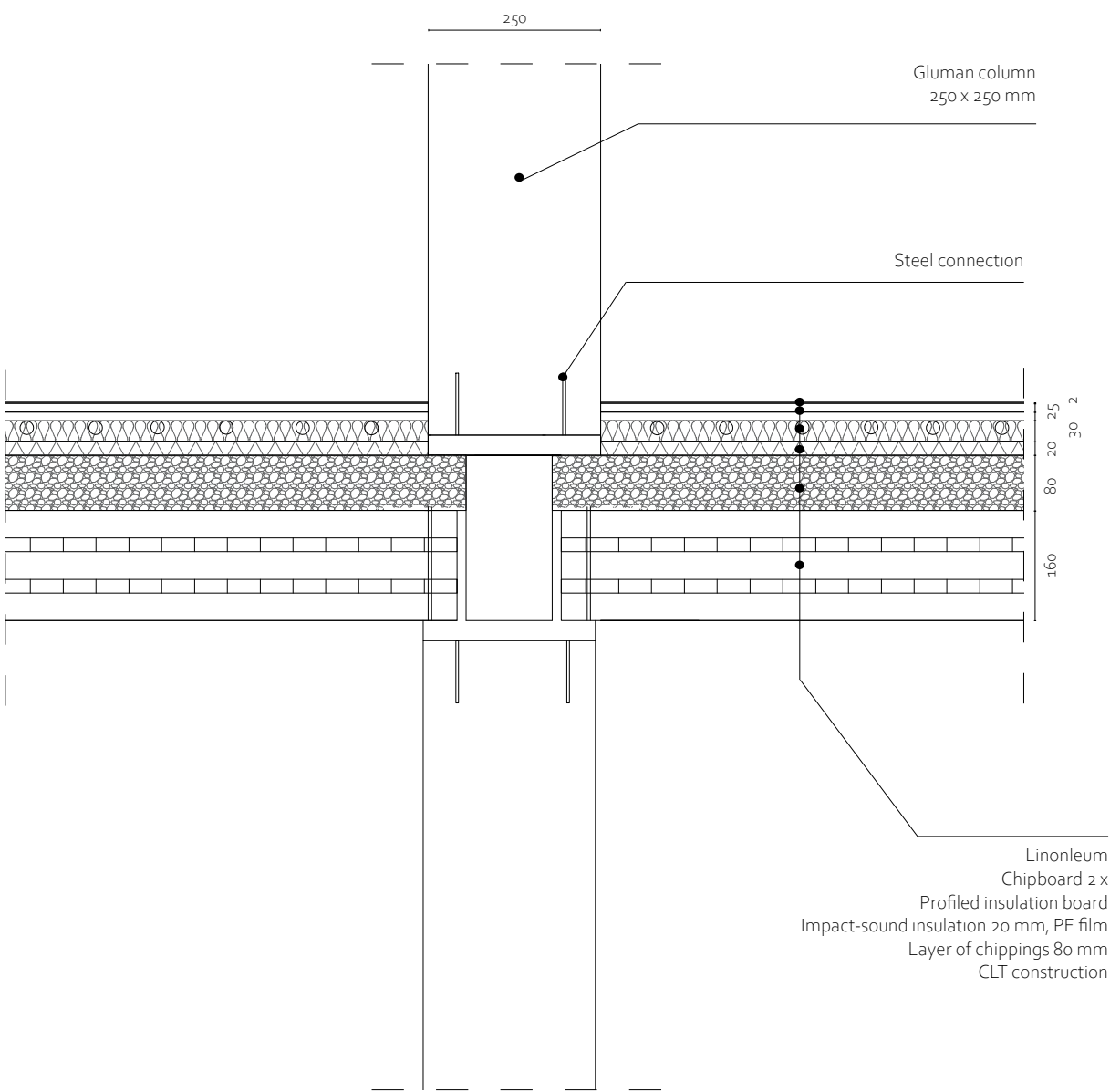
Gallery dwellings



Scale 1.10

Construction

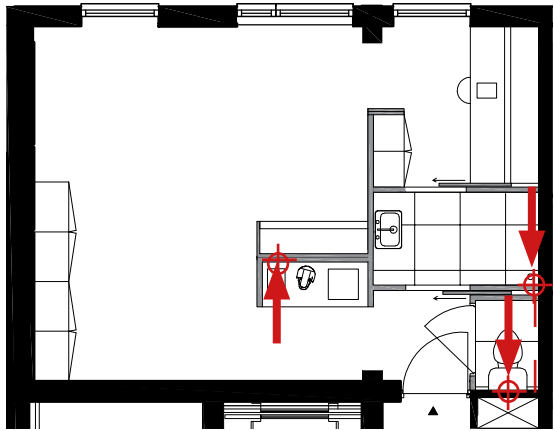
Lower tower



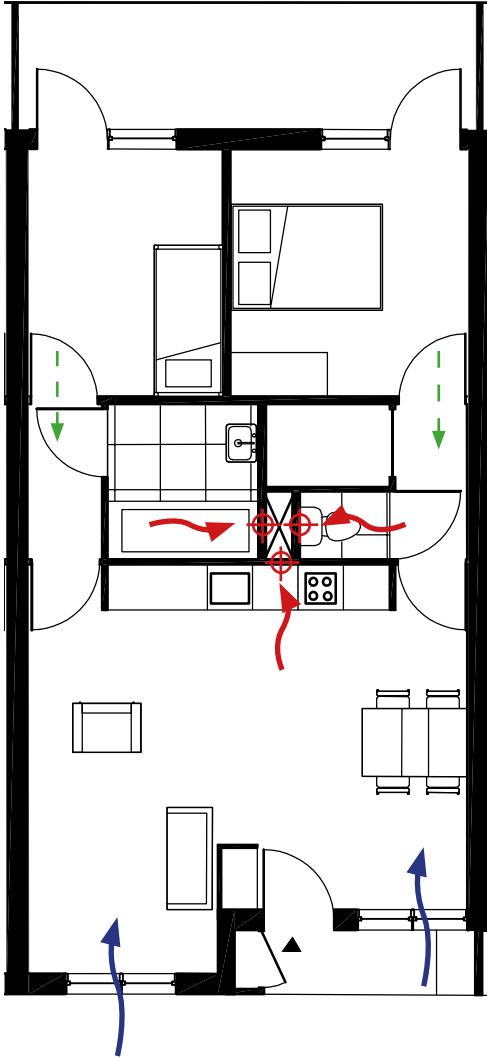
Scale 1.10

Facade fragment

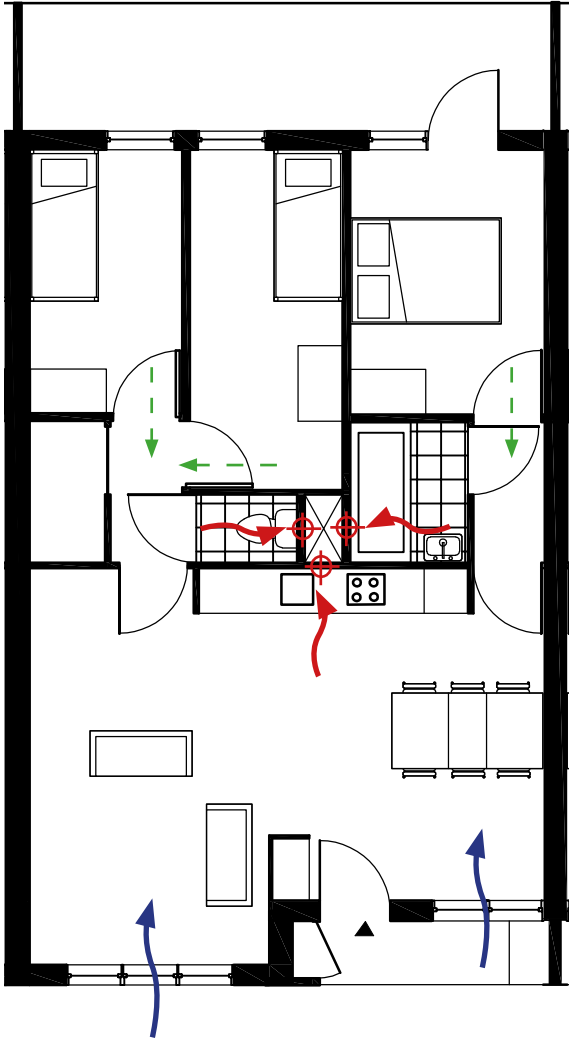
Courtyard



Type P



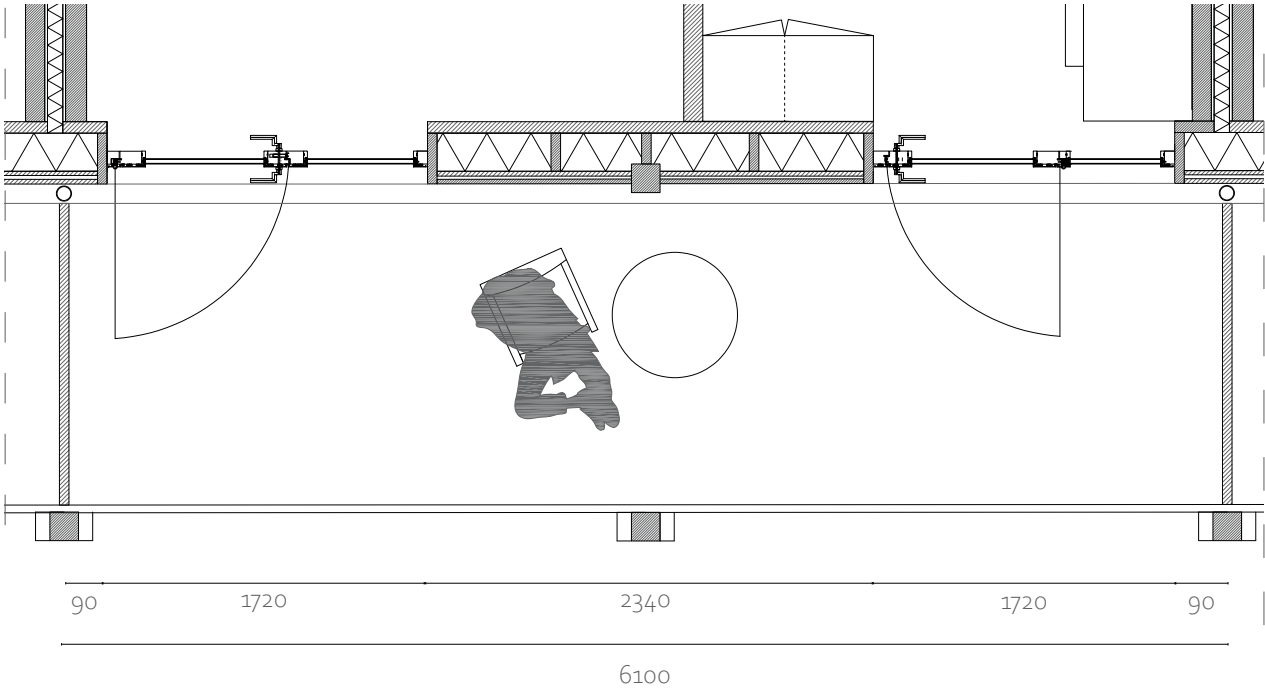
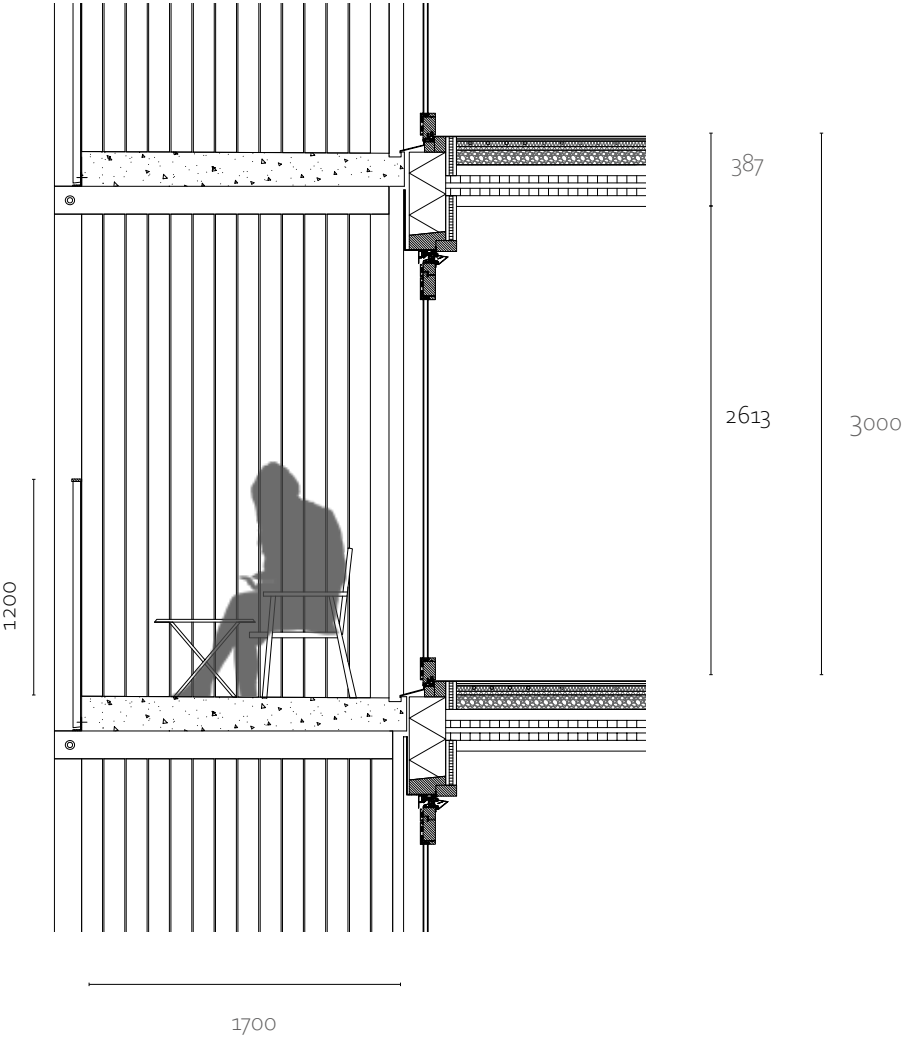
Type G1



Type G2

Facade fragment

Balcony



Studio plans

Type P2



Type P2



Climate circulation

