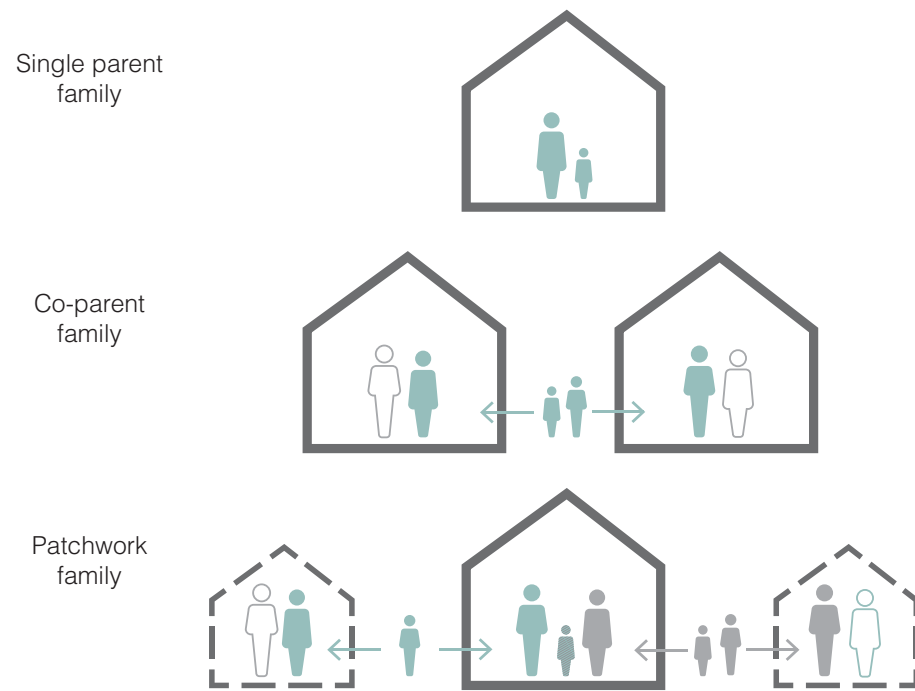


'Gezinnen op straat'

Accommodating modern families in Amsterdam

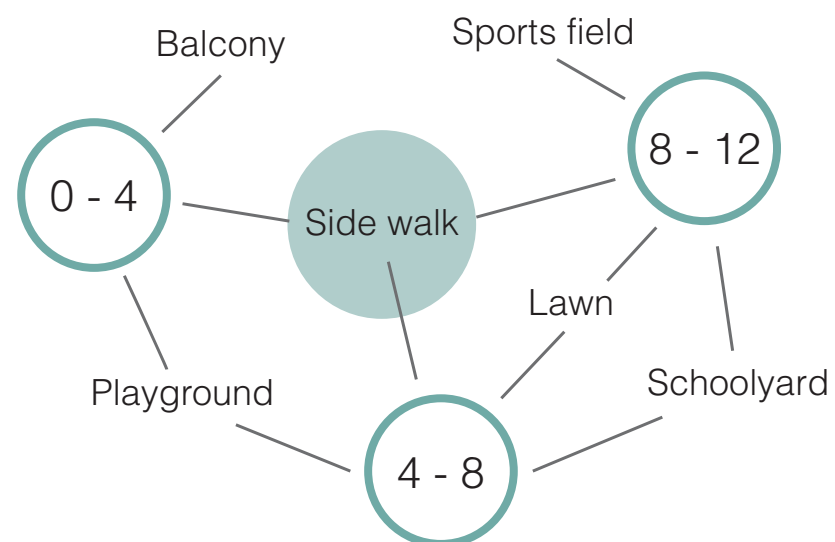
Target group

The specific target groups I chose to design for can together be called 'contemporary' or 'modern' families. More precisely the groups of *single parent-*, *co-parent-* and *patchwork families* belong to them. They differ from traditional, two-parent families in various ways. Mainly lower income and lack of a social safety net are problems single parent families have to deal with. They like to be part of a group or cluster and its very beneficial for them to have facilities, for example a kindergarten, close by. The latter two types of modern families can especially have complicated household compositions, generally also changing between weekend and weekday. For them housing that is adaptable is important.



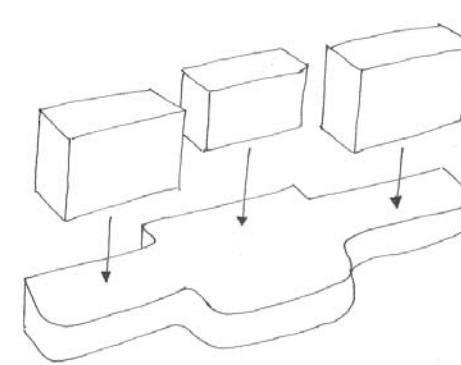
Playing

Each age level has different preferences for a playing location. Every age group however tends to play often on the side walk or street. I designed very broad streets to which each dwelling is directly connected, as well as different play areas for different age groups. This is an essential part of my design concept.

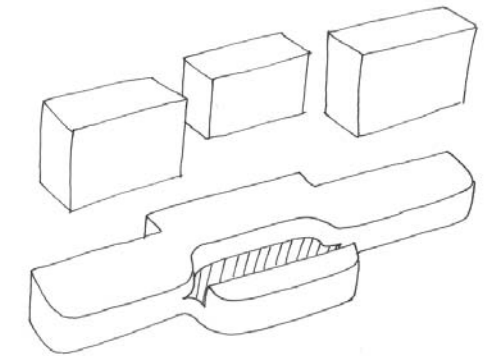


Design concept

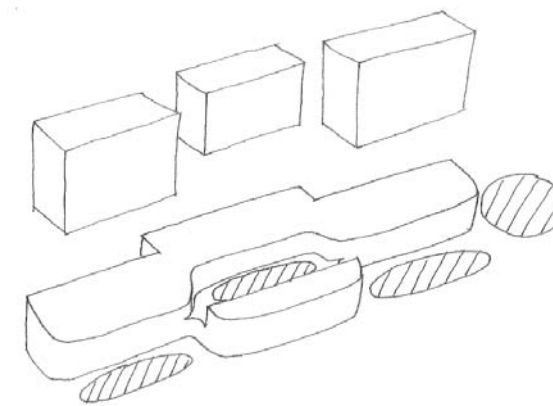
The building is a two level plinth with 3 volumes on it. In the plinth, a square is carved out. By this and the curving form, four playing areas are created. The volumes are connected by broad streets and four vertical circulation elements.



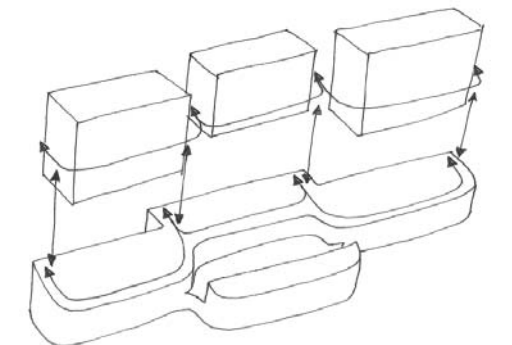
Plinth and volumes



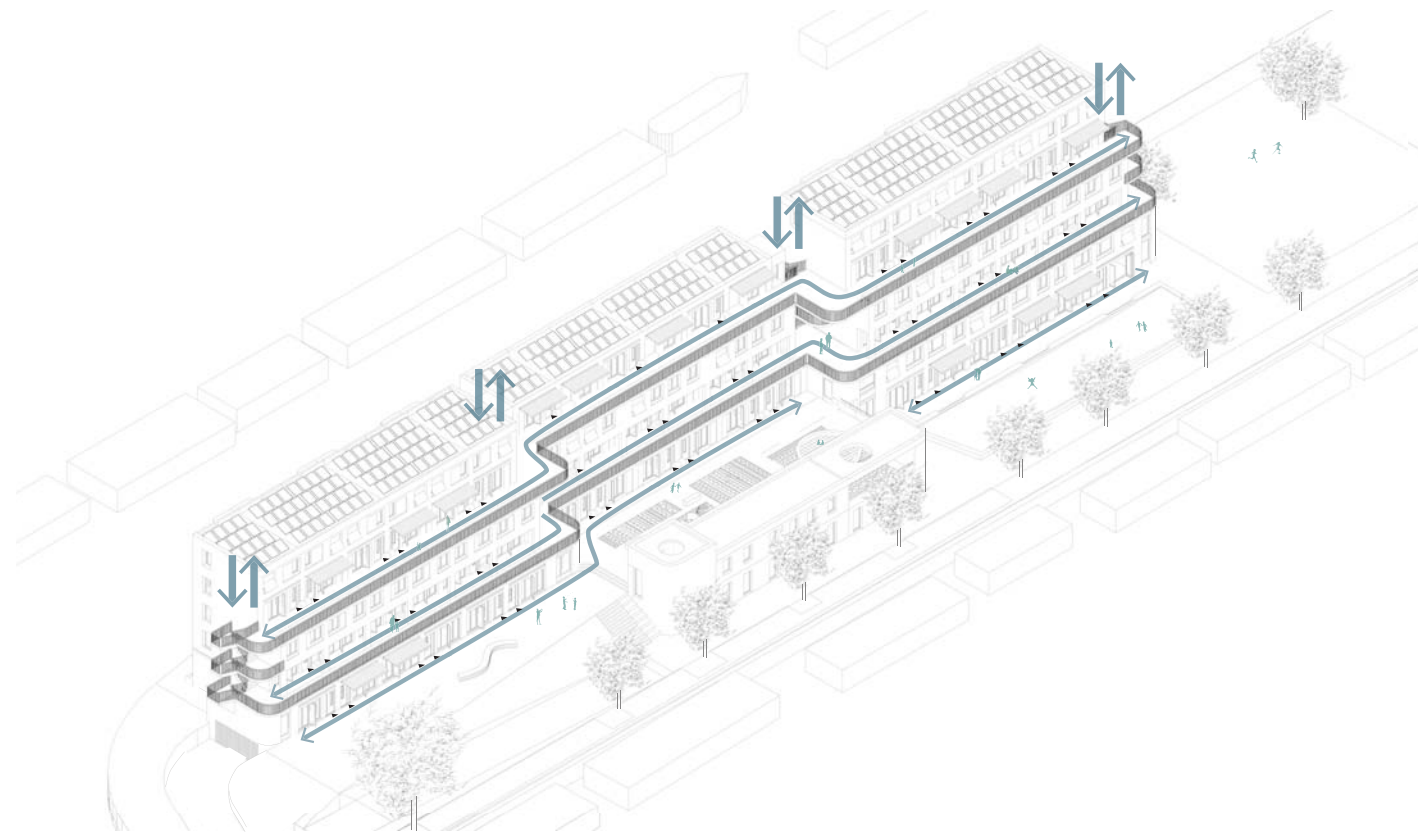
Carved out square



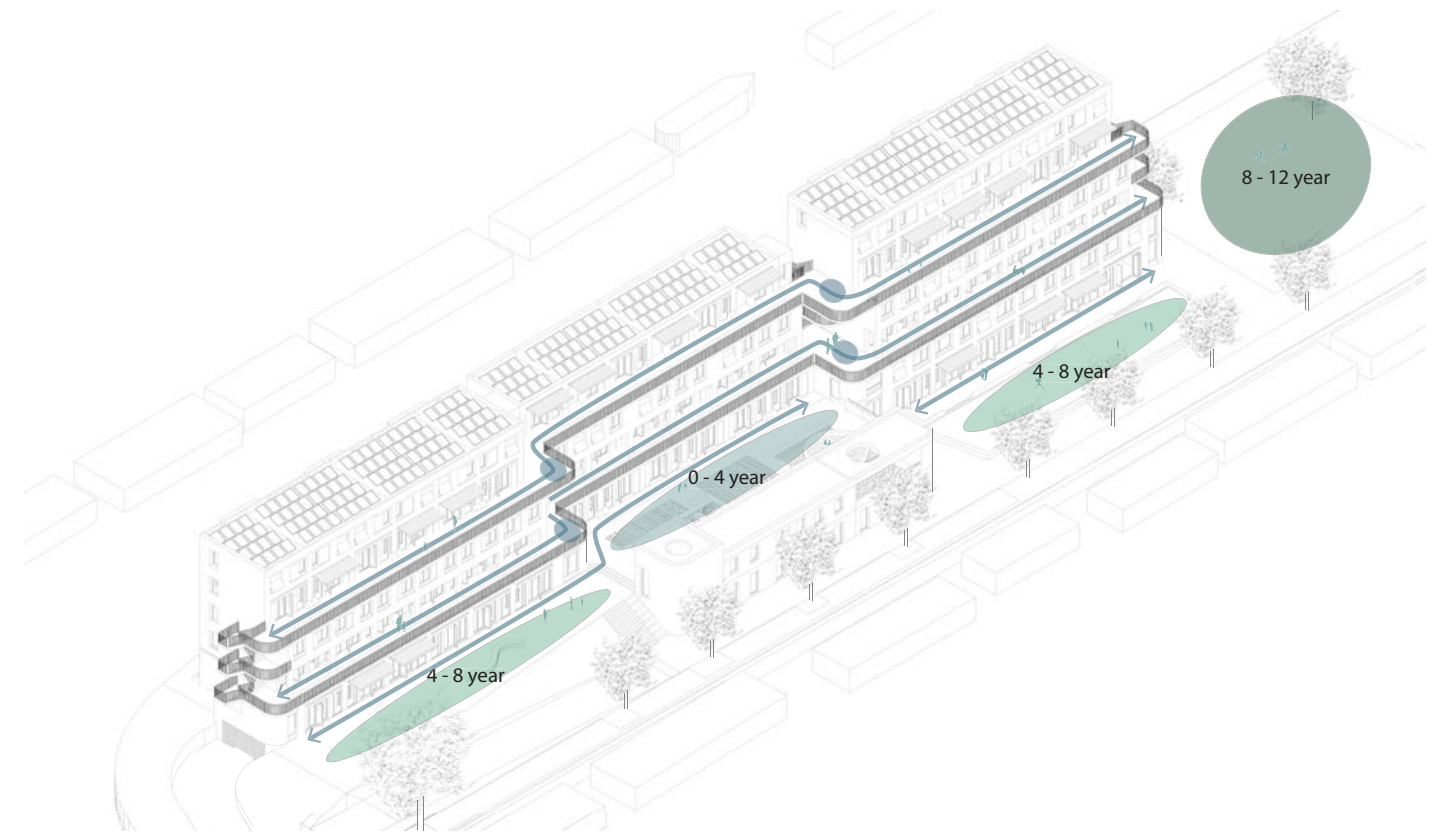
Places to play



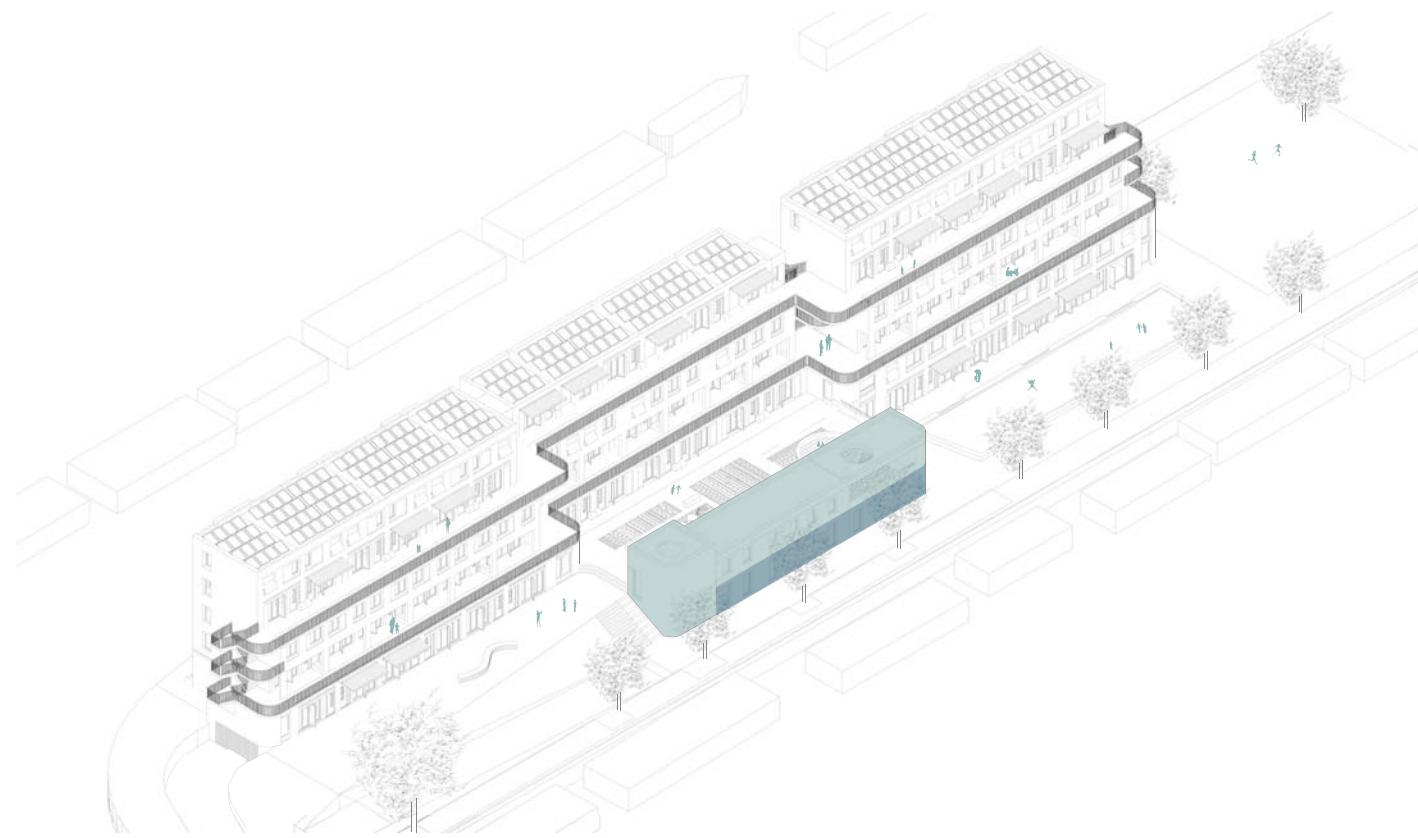
Connections



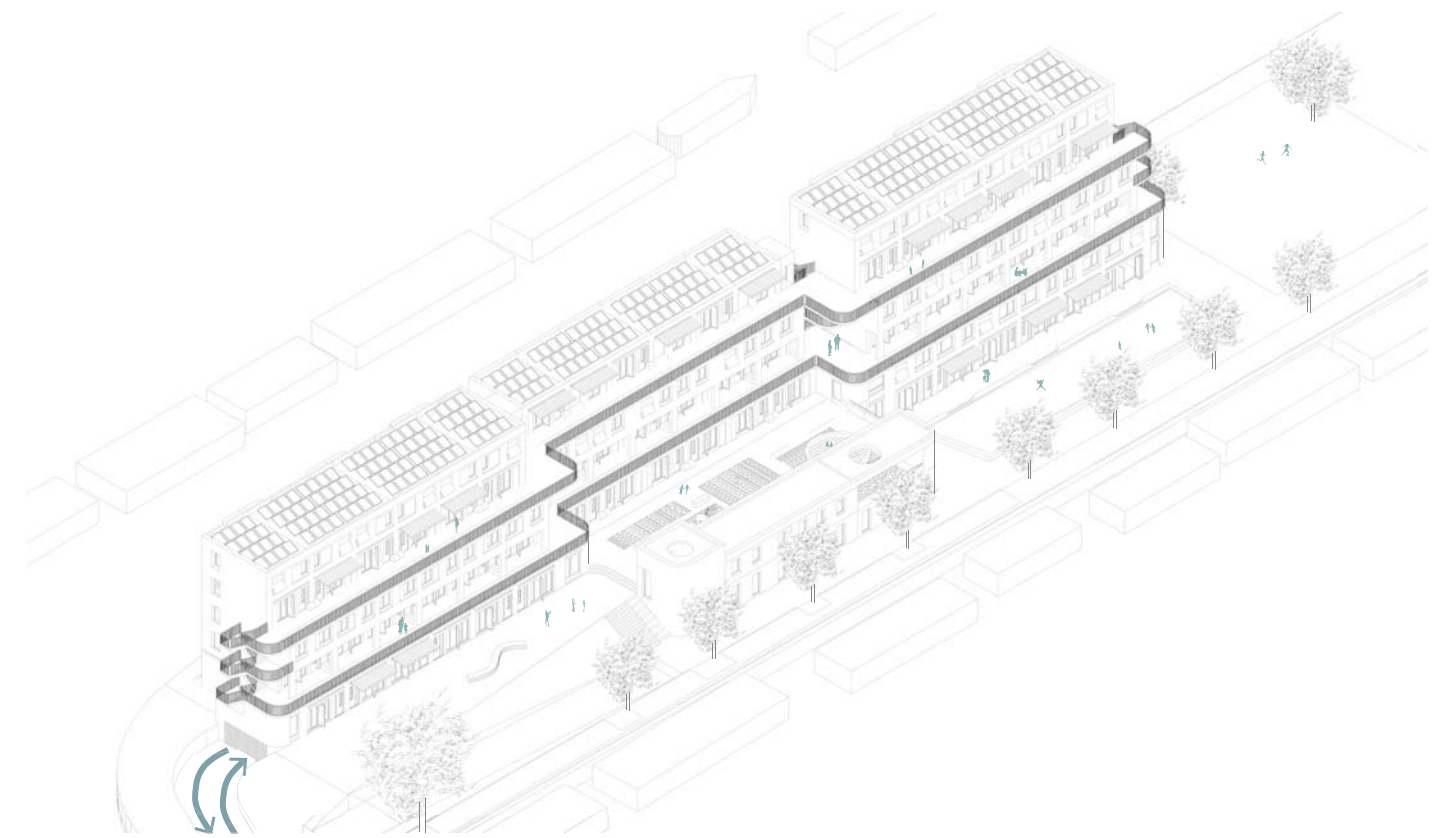
Circulation & Entrances



Places to play



Kindergarten, workshop & meeting room

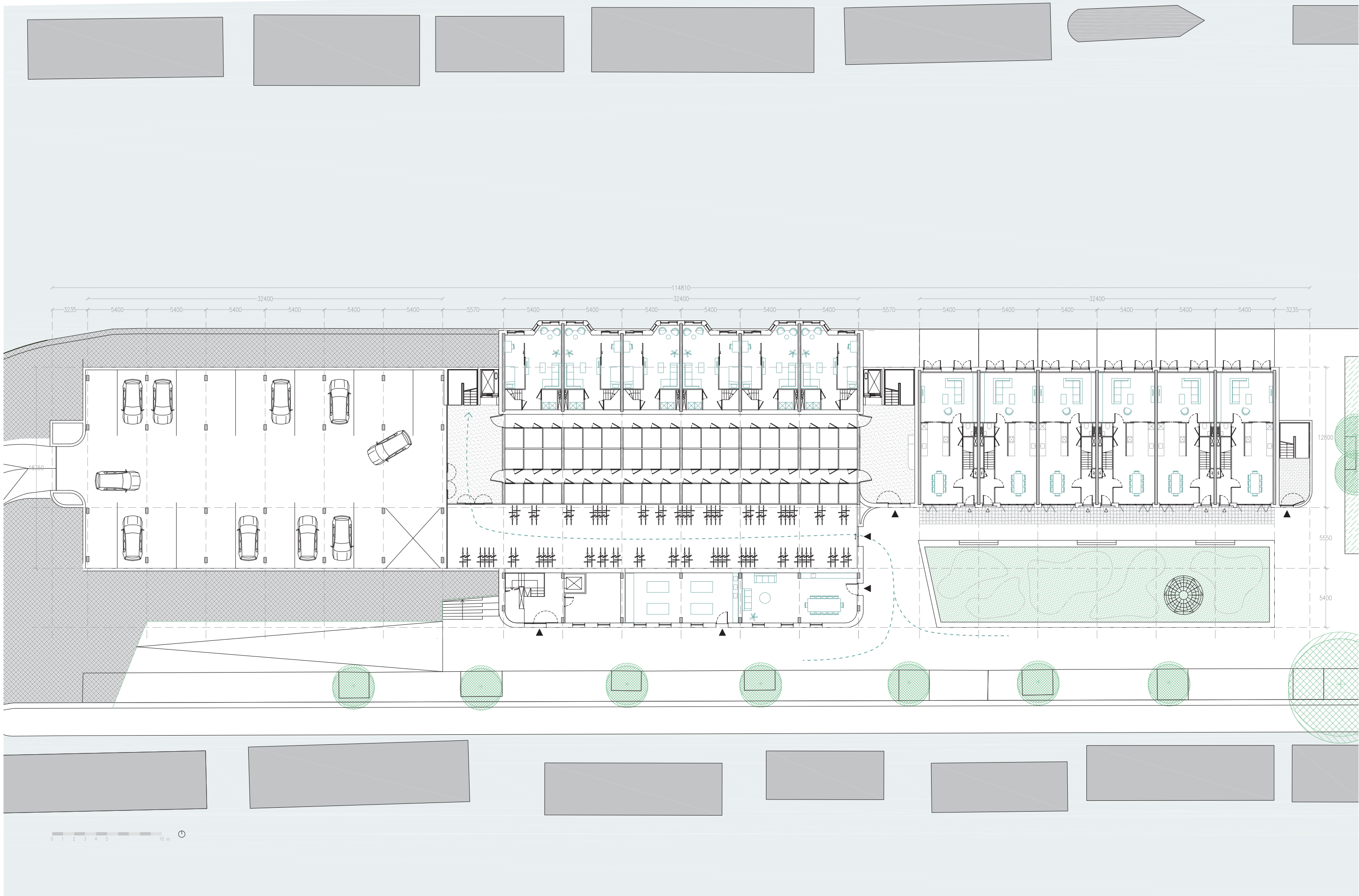


Car parking

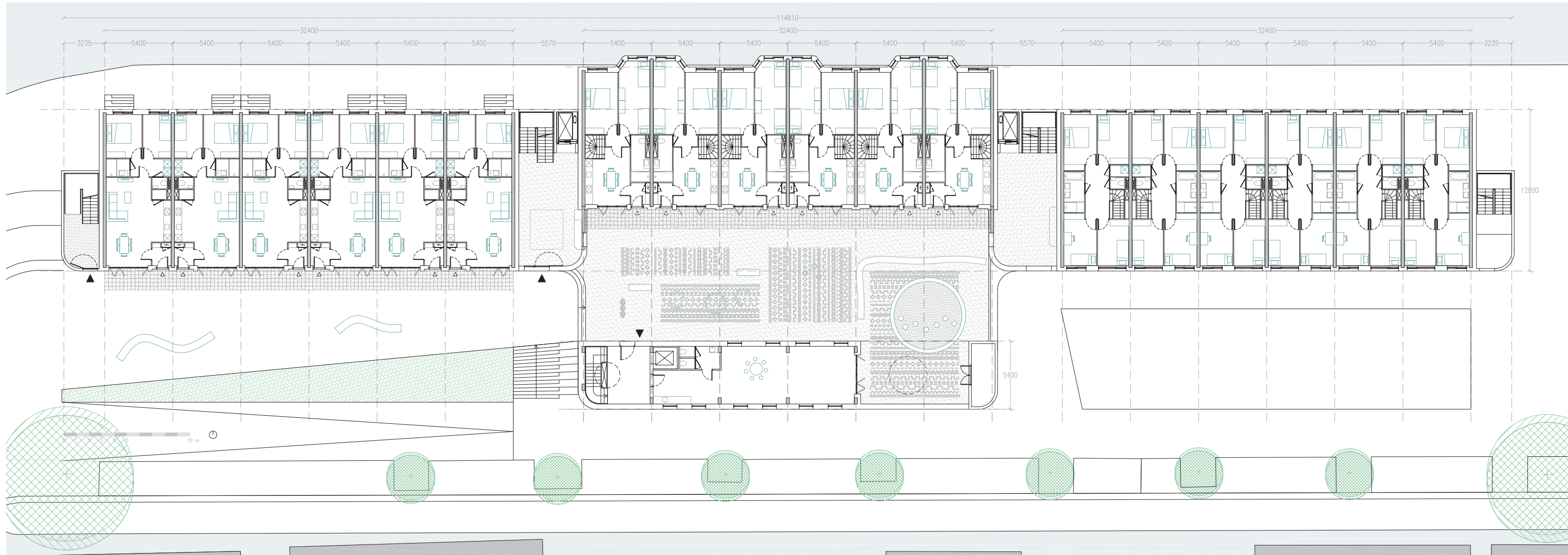


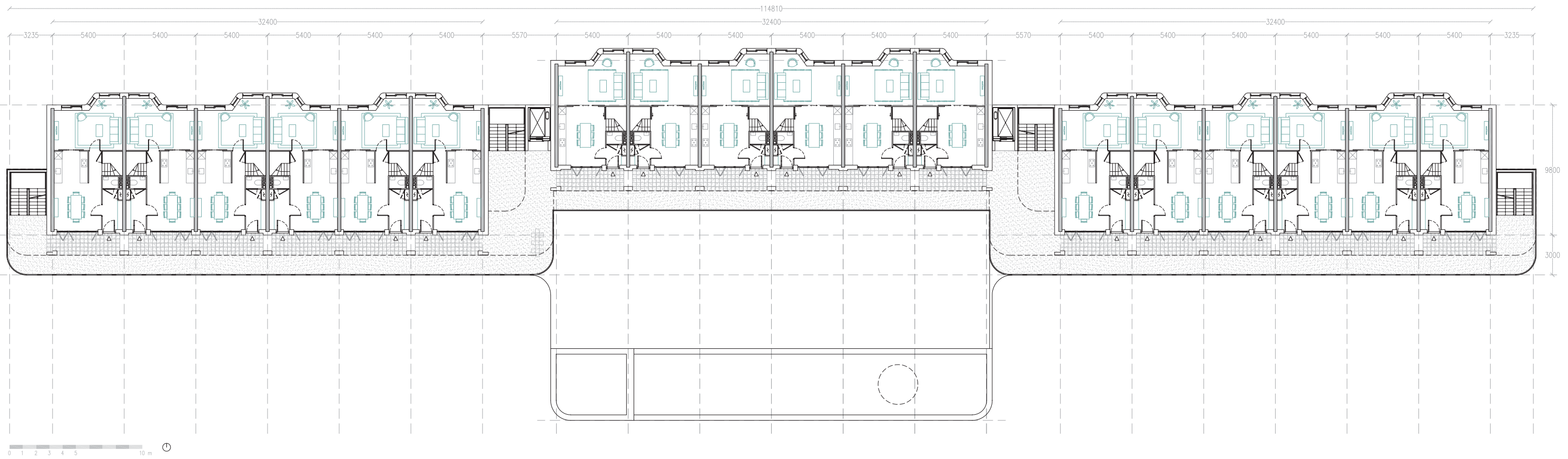


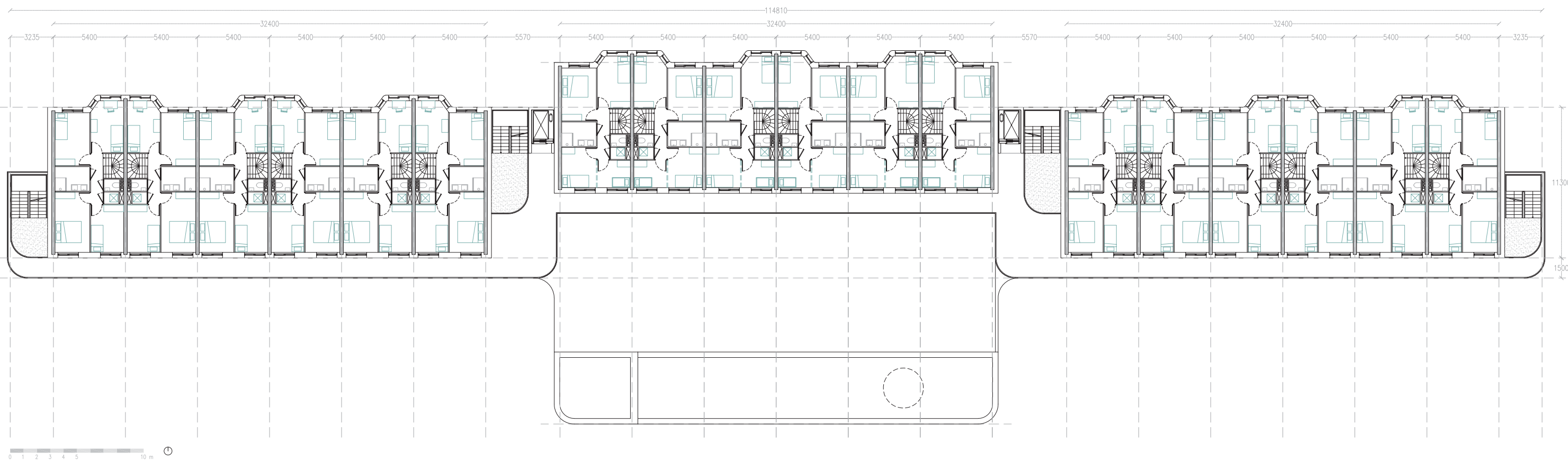
Location | Ground level | 1:1000

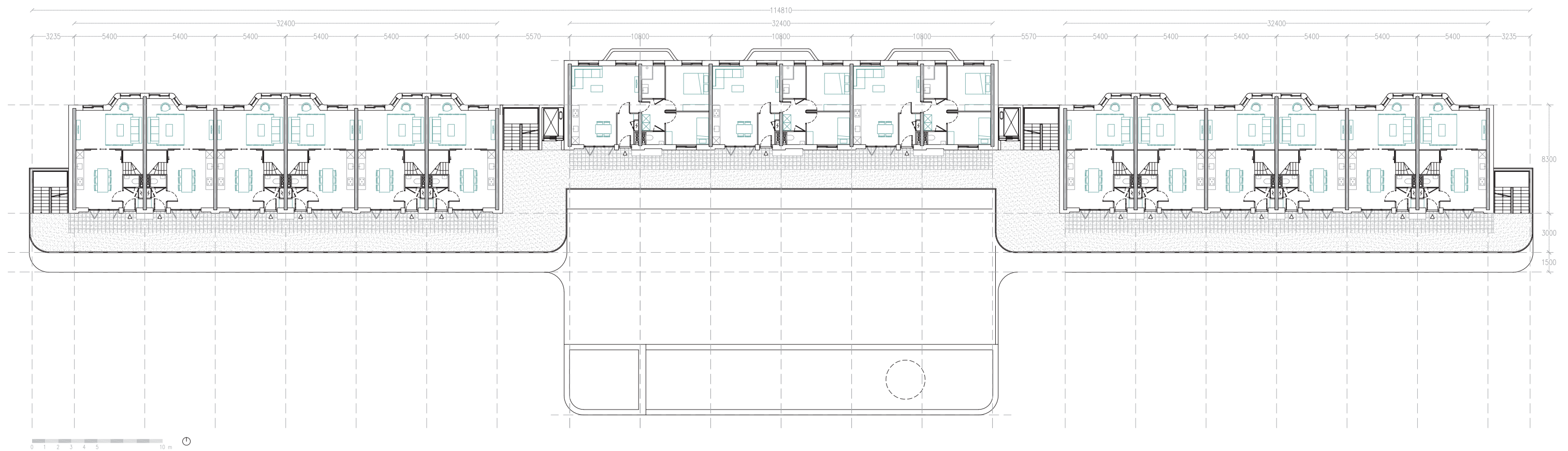


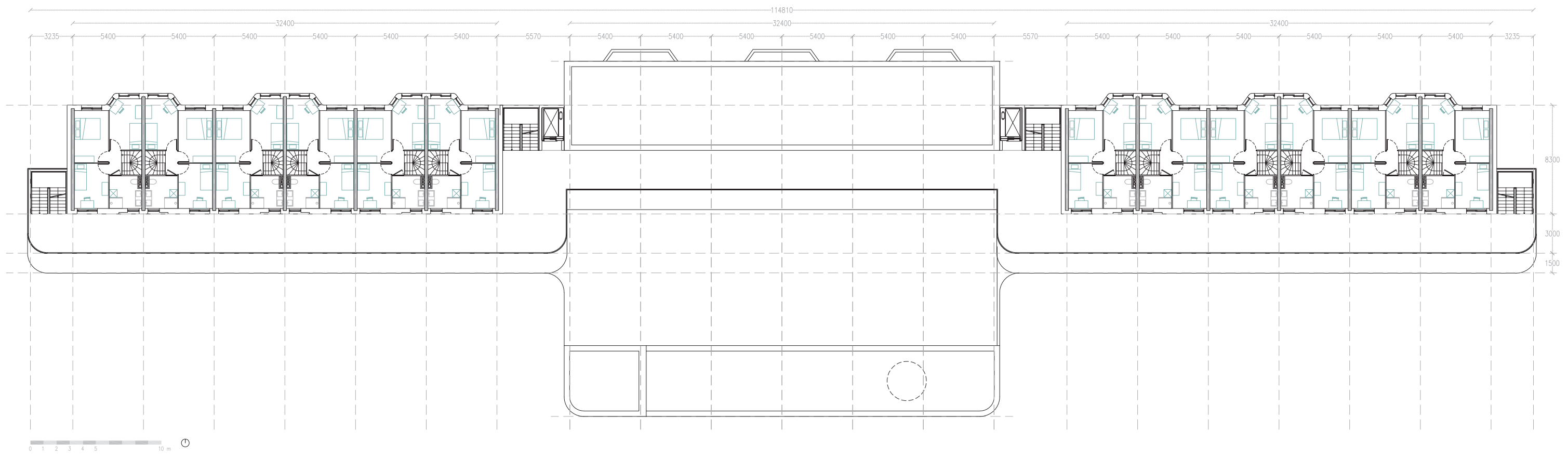
Ground floor | 1:300

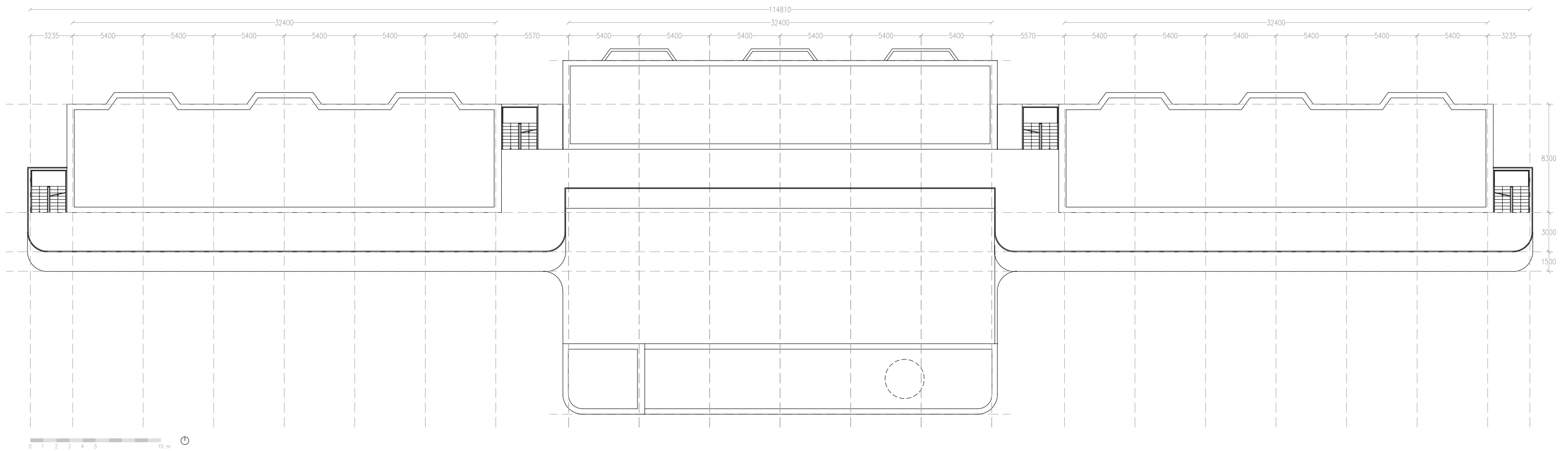














South facade | 1:300



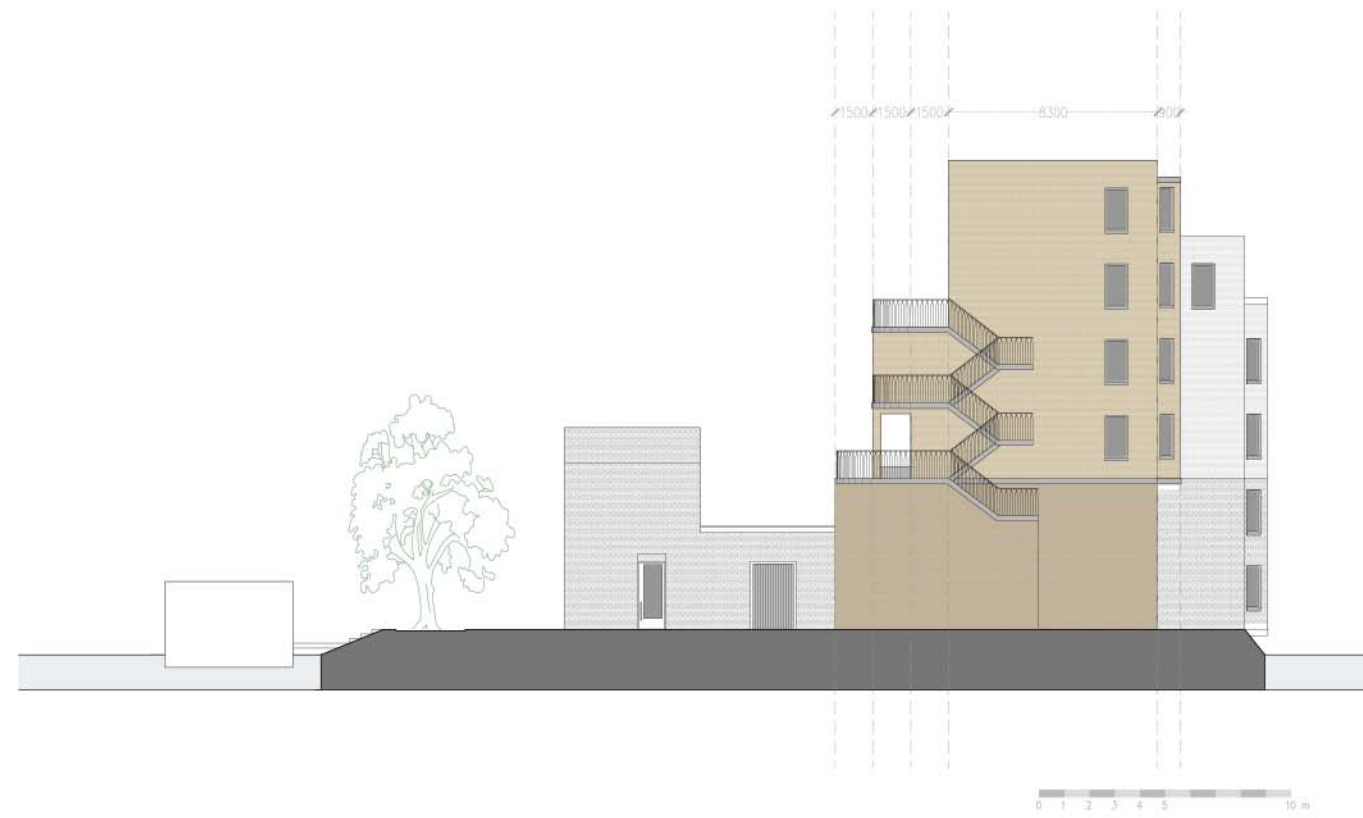
South facade | 1:300
Section through square



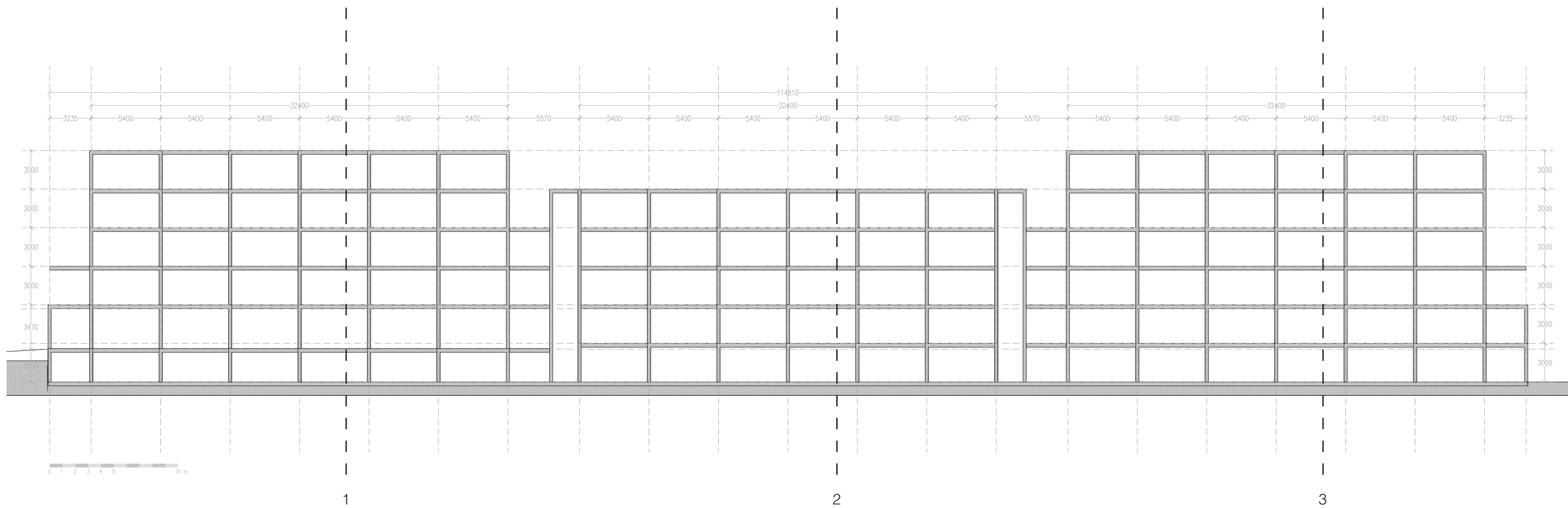
North facade | 1:300



West facade | 1:300



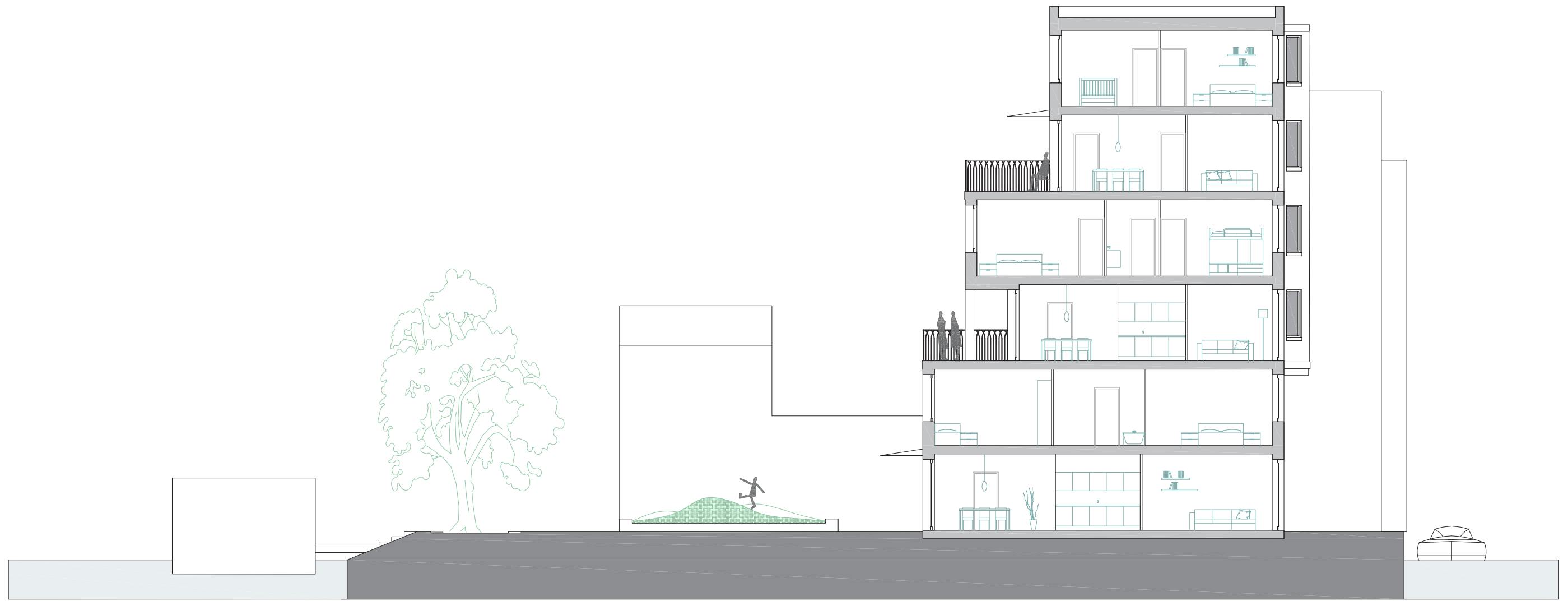
East facade | 1:300





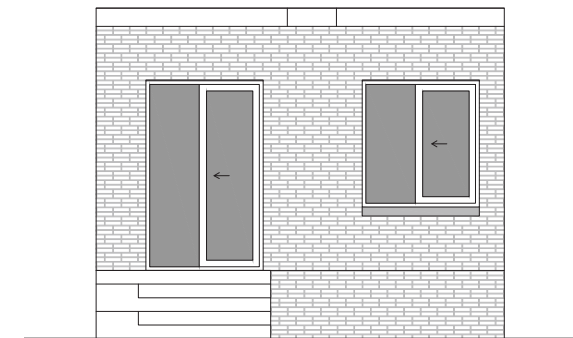
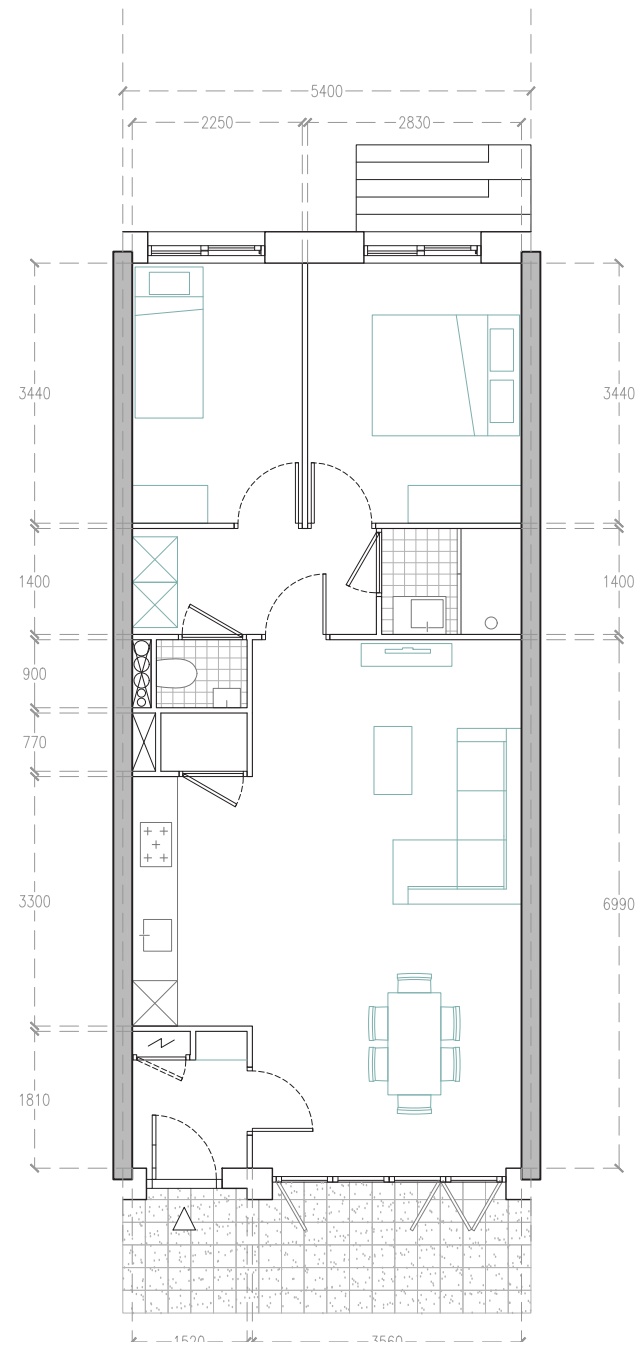


0 1 2 3 4 5 10 m

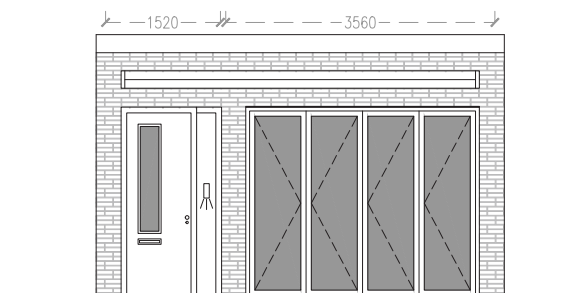






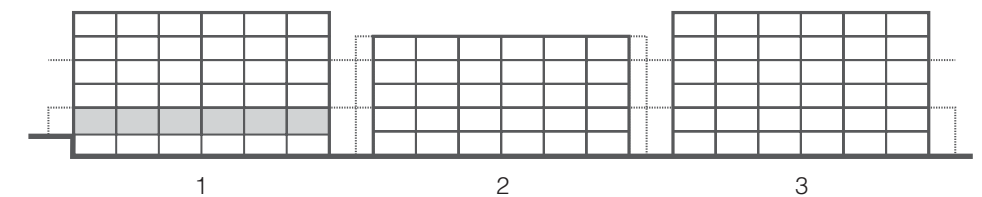
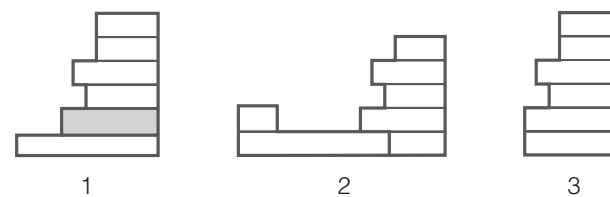


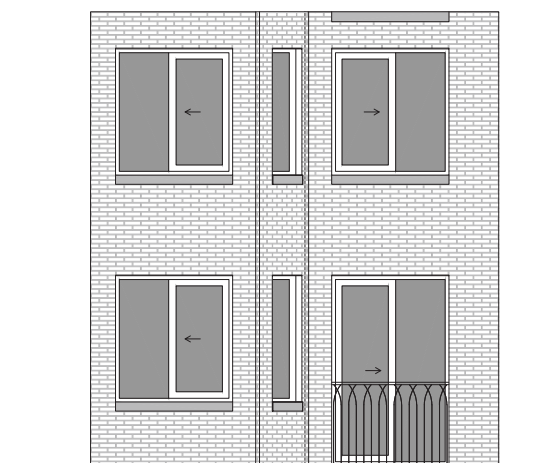
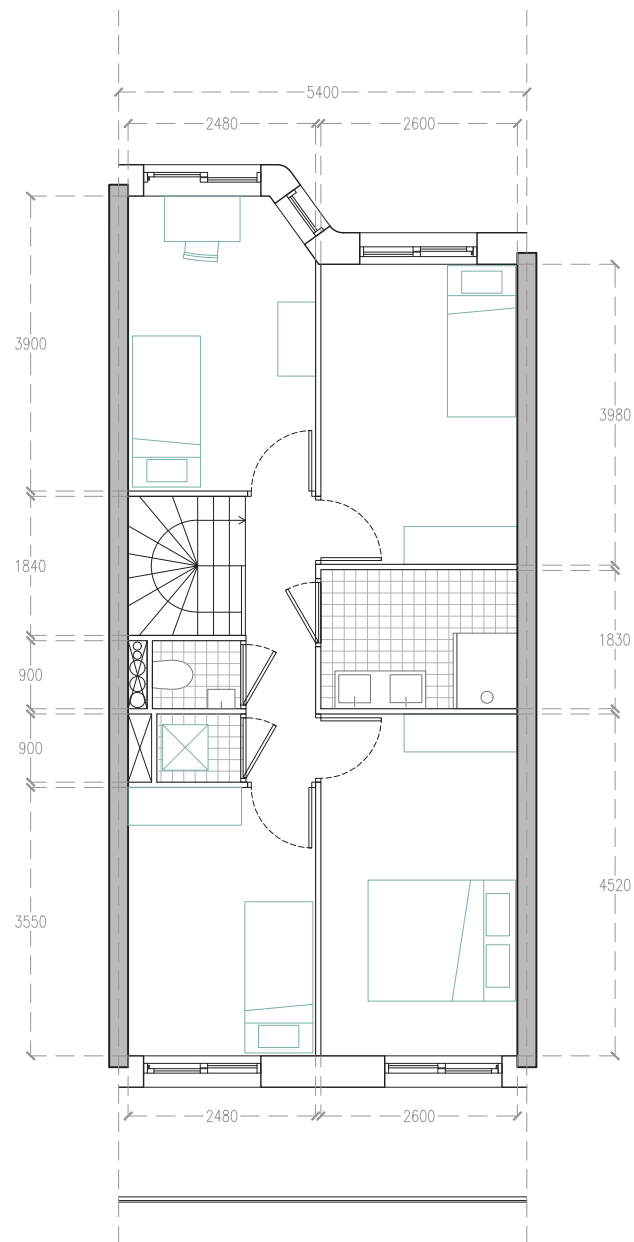
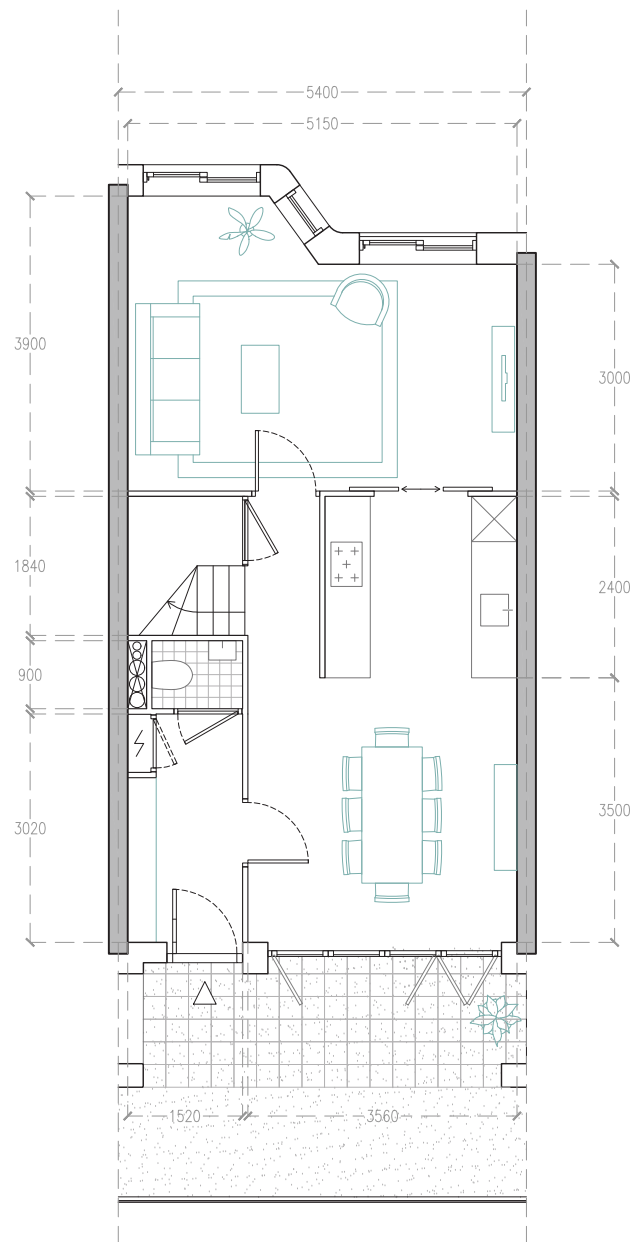
North facade



South facade

Dwelling size 61 m²
 Floor level 1st
 Number of bedrooms 2



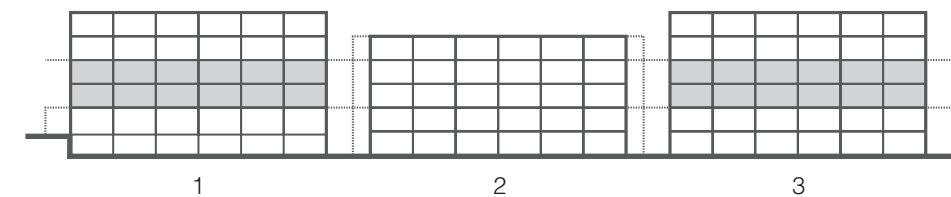
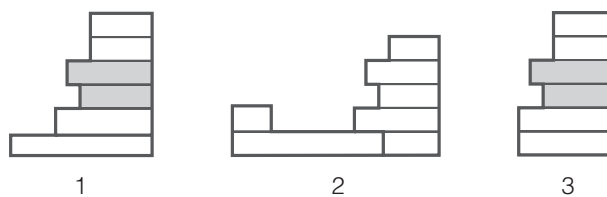


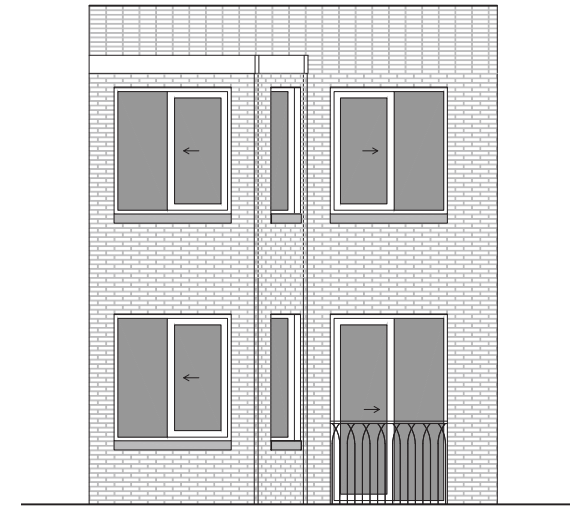
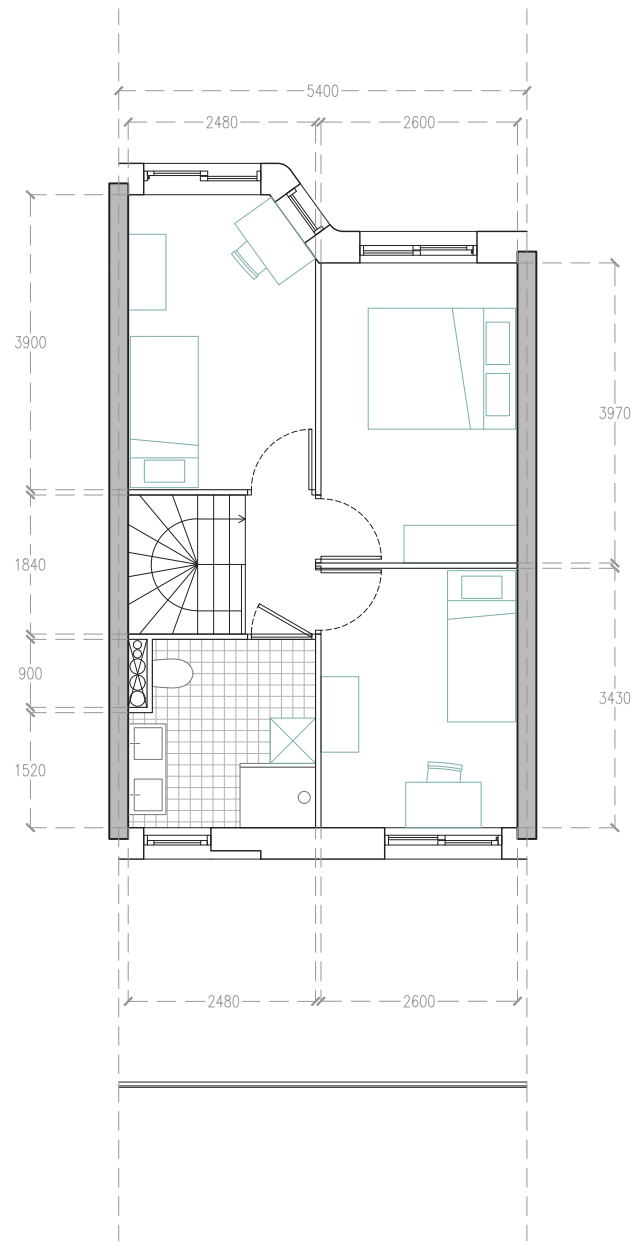
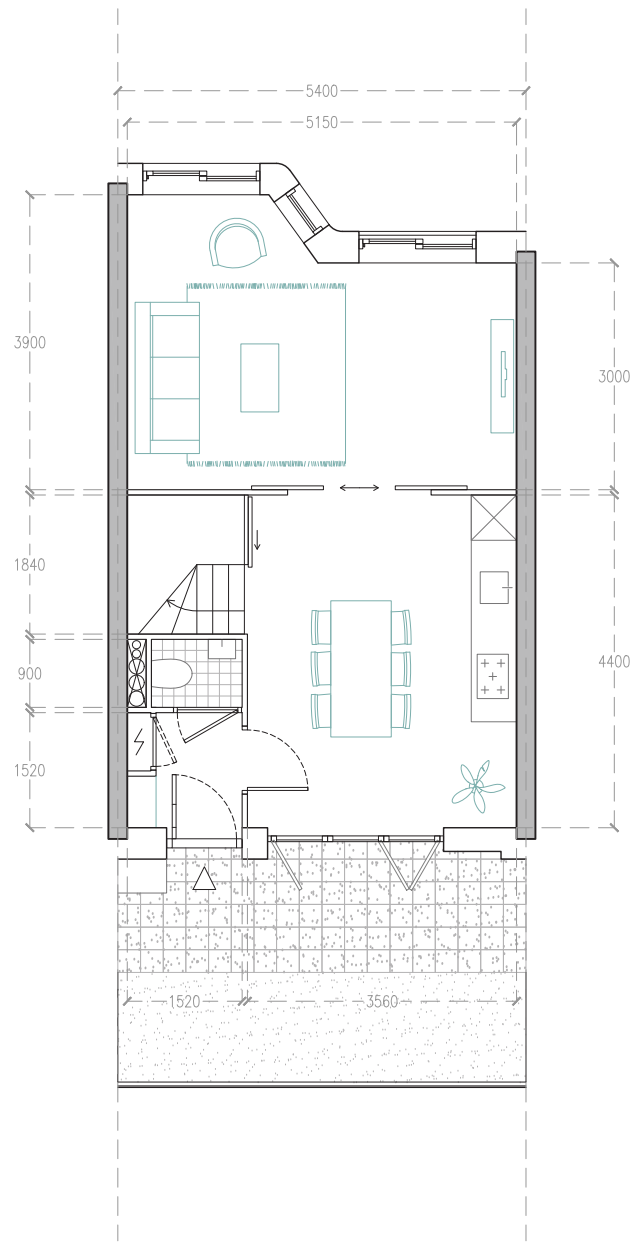
North facade



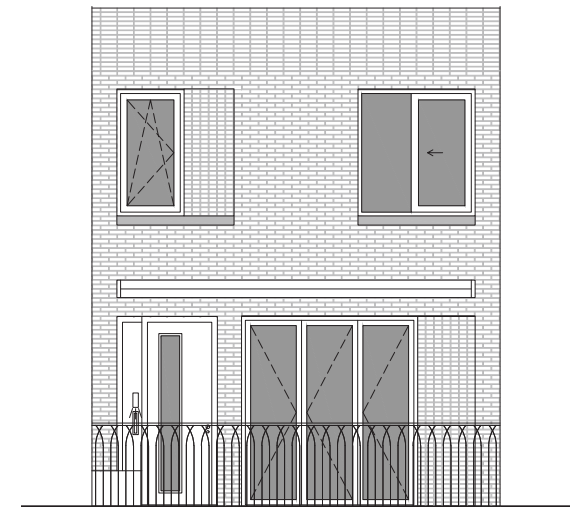
South facade

Dwelling size 104 m²
 Floor level 2nd, 3th
 Number of bedrooms 4



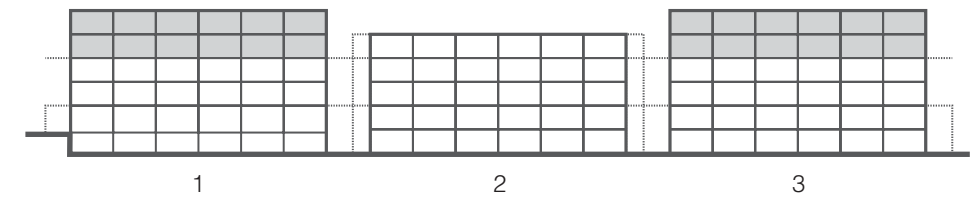
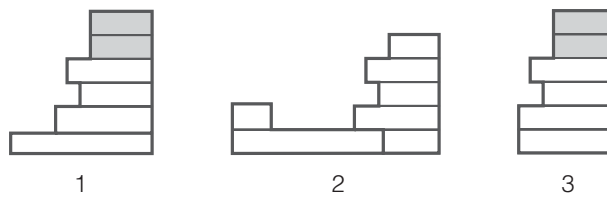


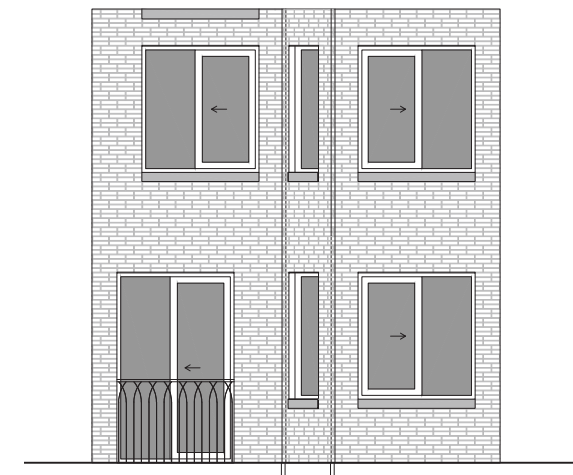
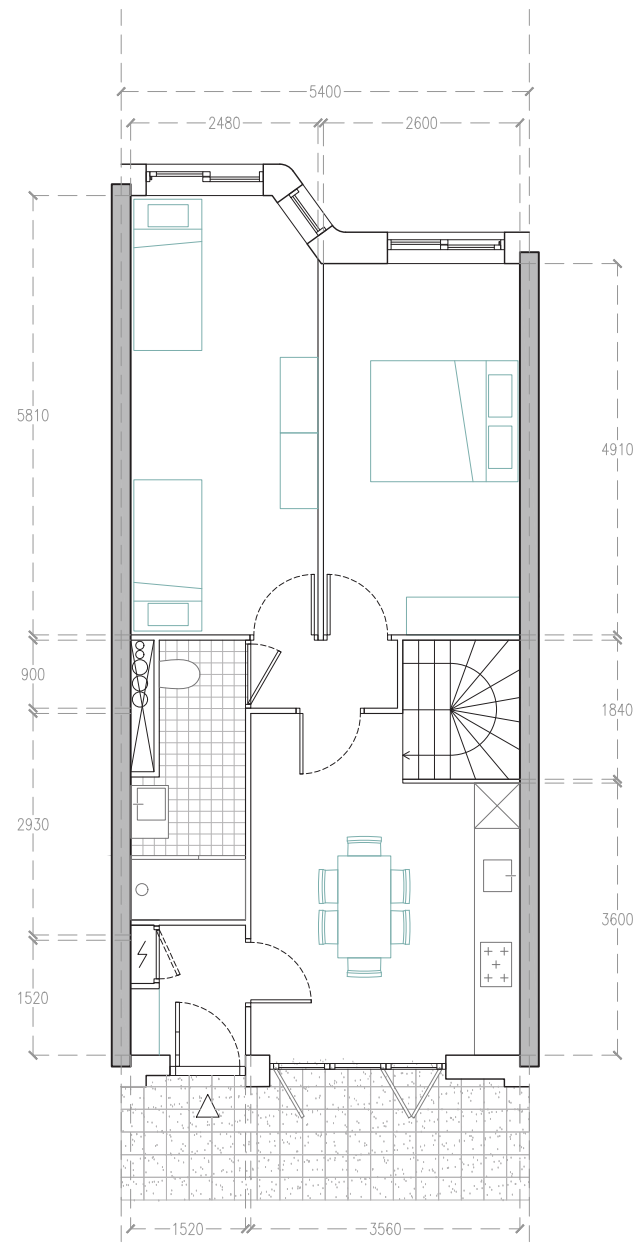
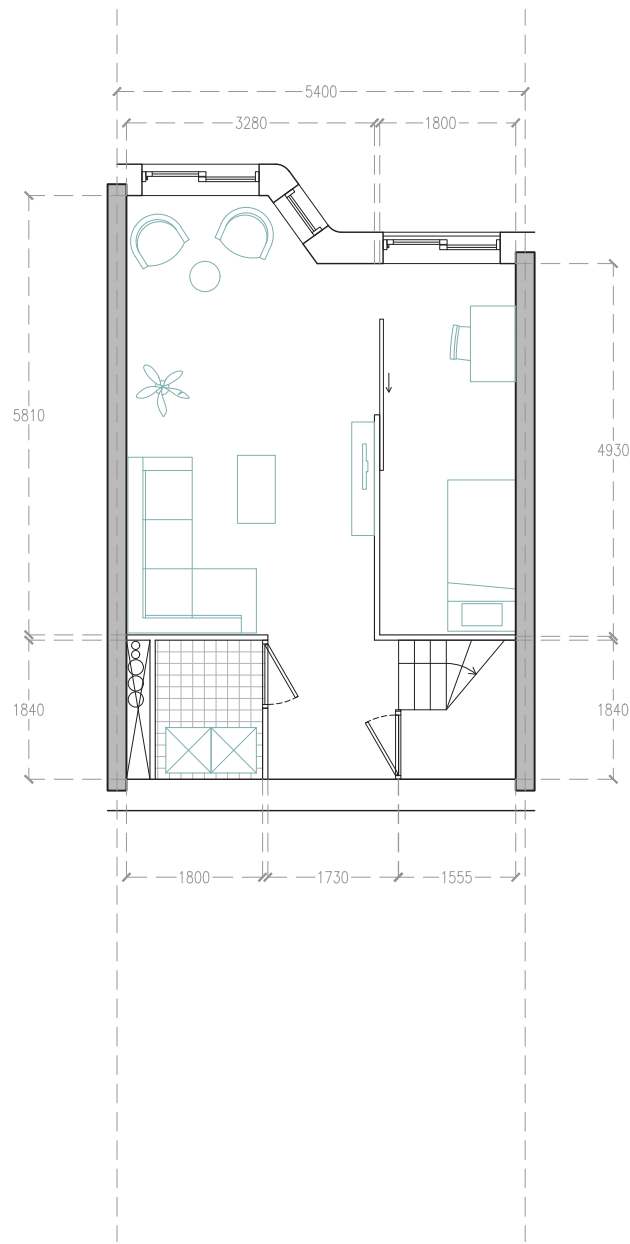
North facade



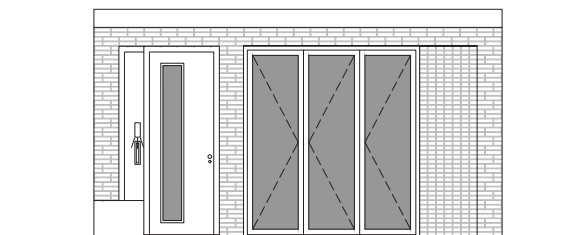
South facade

Dwelling size 80 m²
 Floor level 4th, 5th
 Number of bedrooms 3



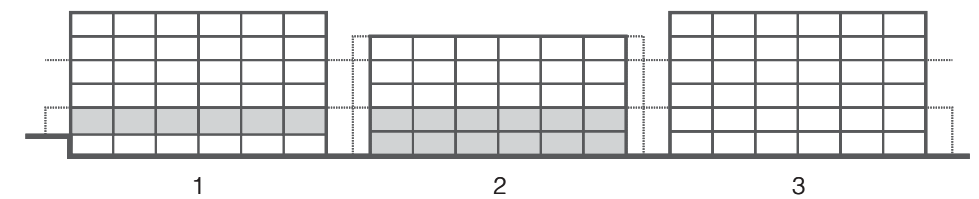
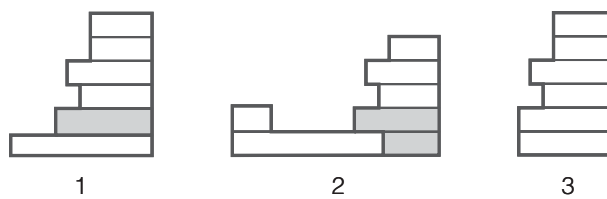


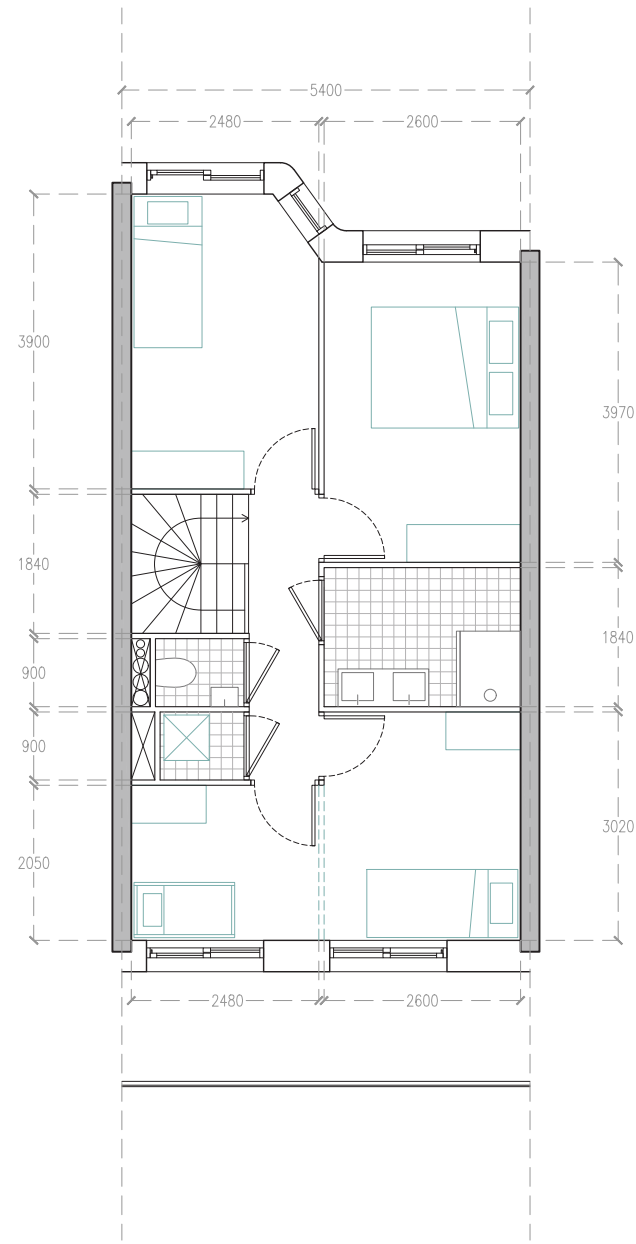
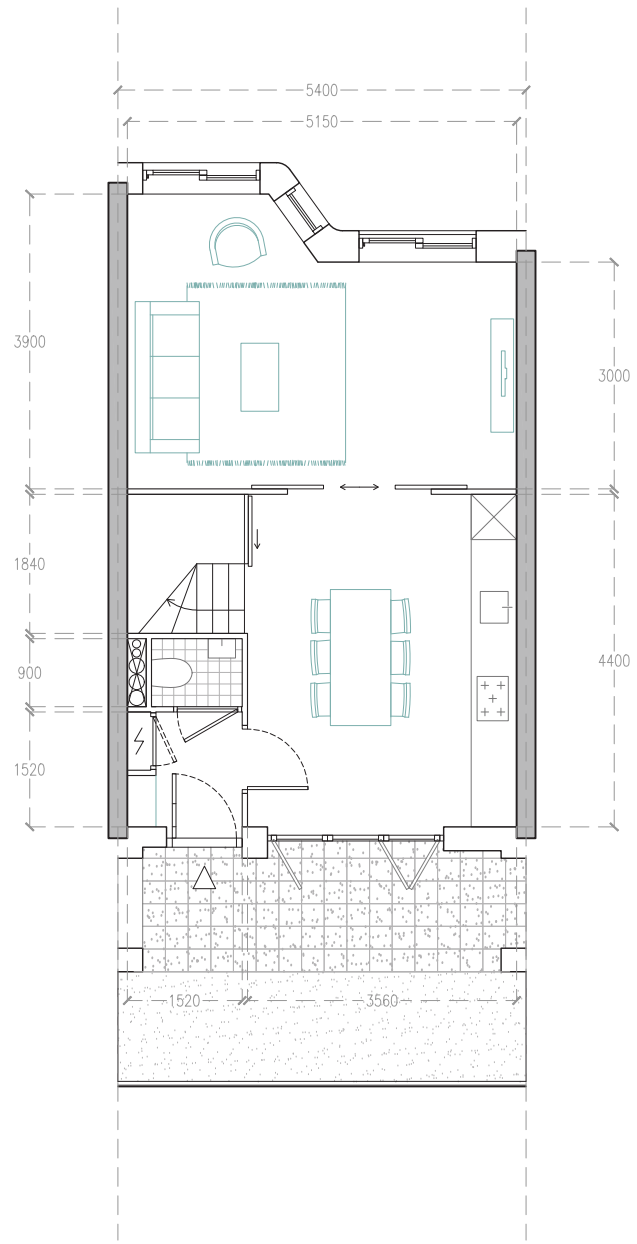
North facade



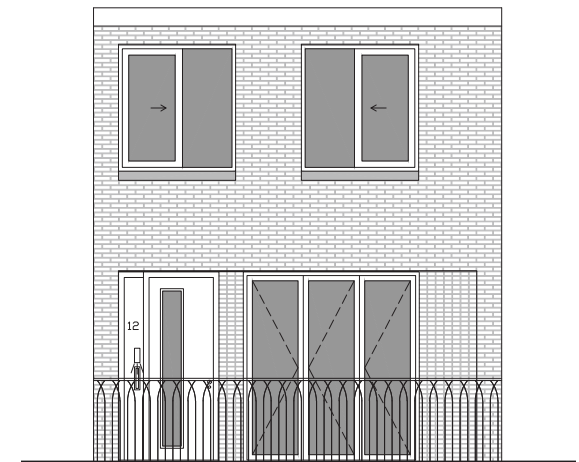
South facade

Dwelling size 93 m²
 Floor level 0, 1st
 Number of bedrooms 2-3



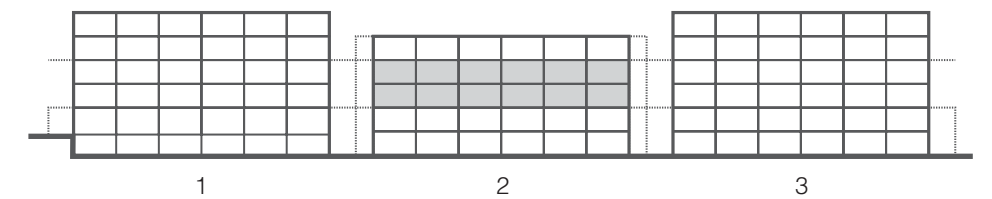
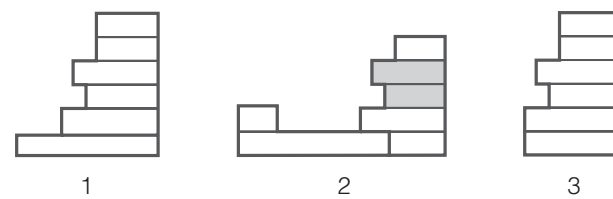


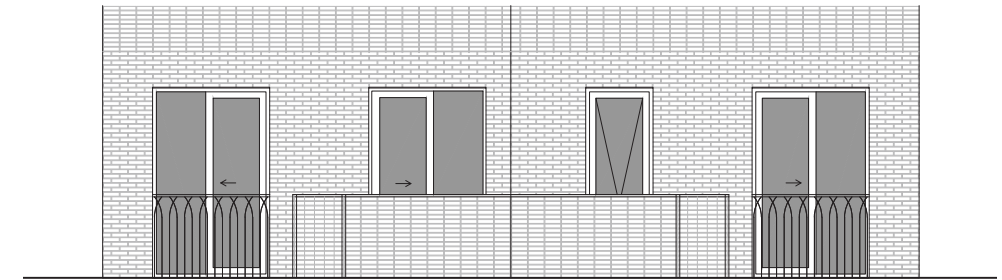
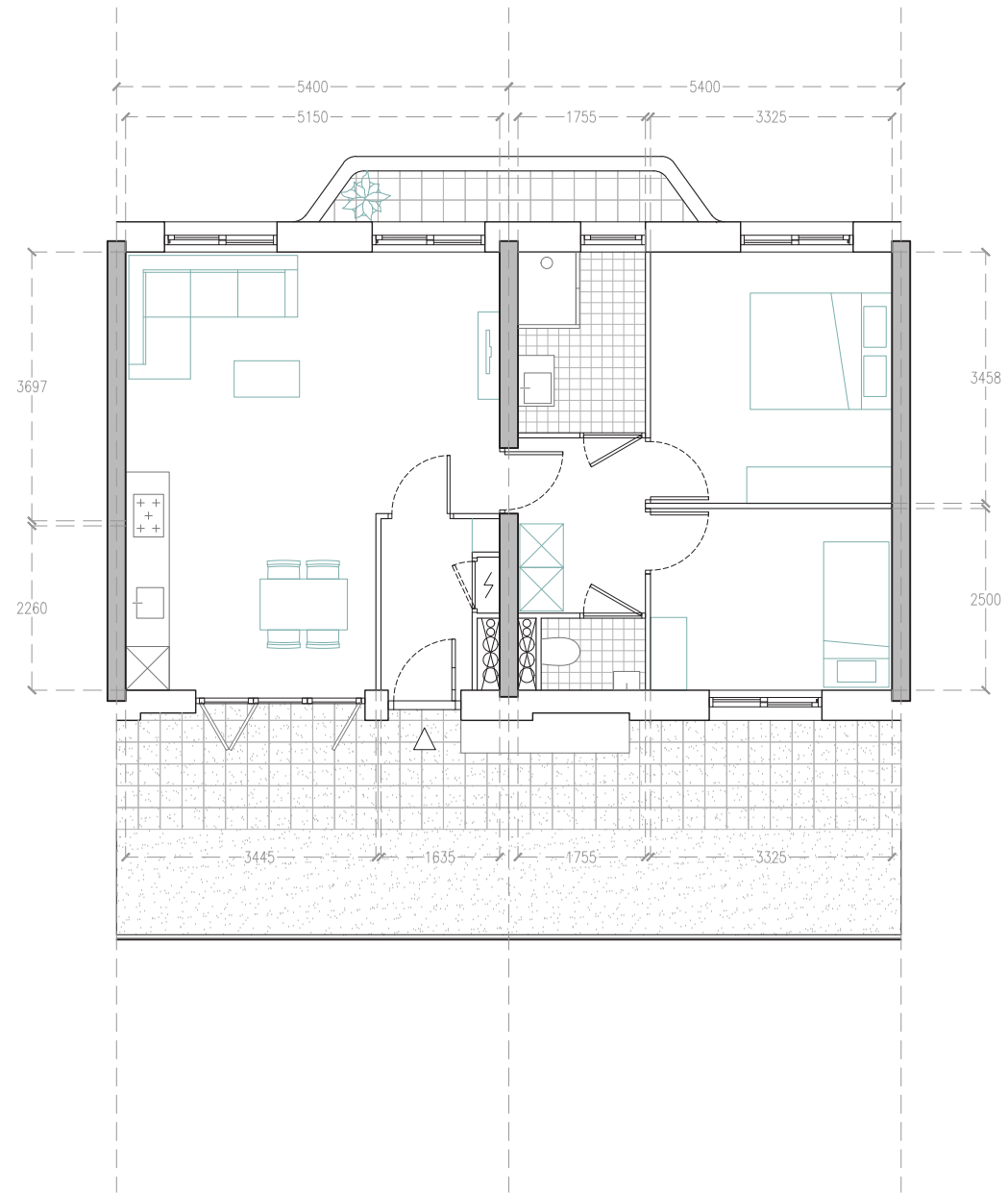
North facade



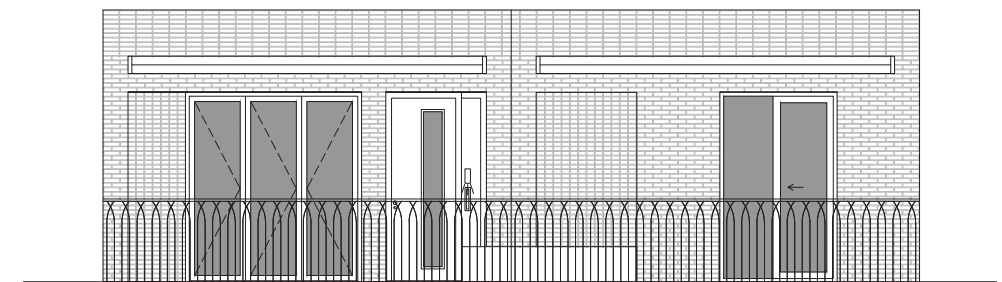
South facade

Dwelling size 88 m²
 Floor level 2nd, 3th
 Number of bedrooms 3-4



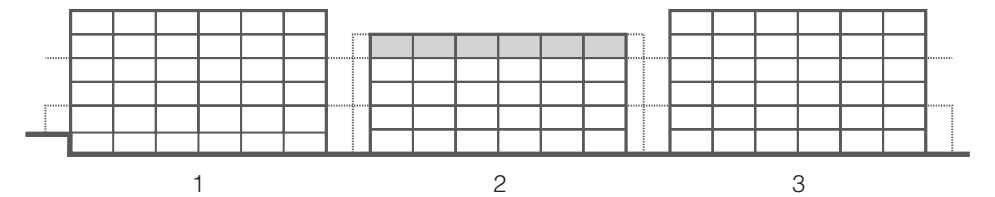
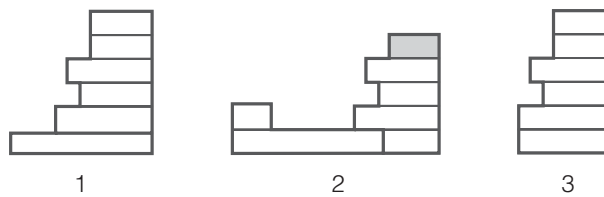


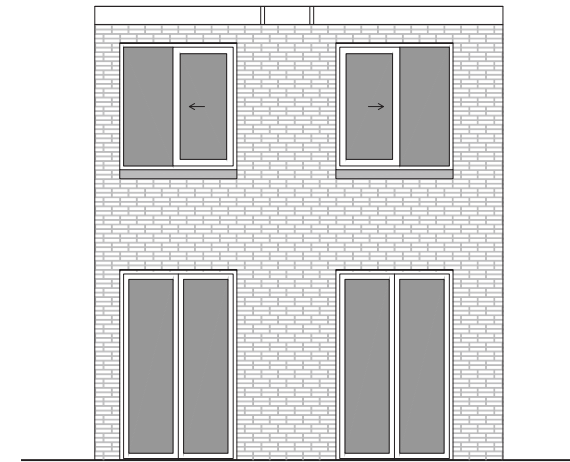
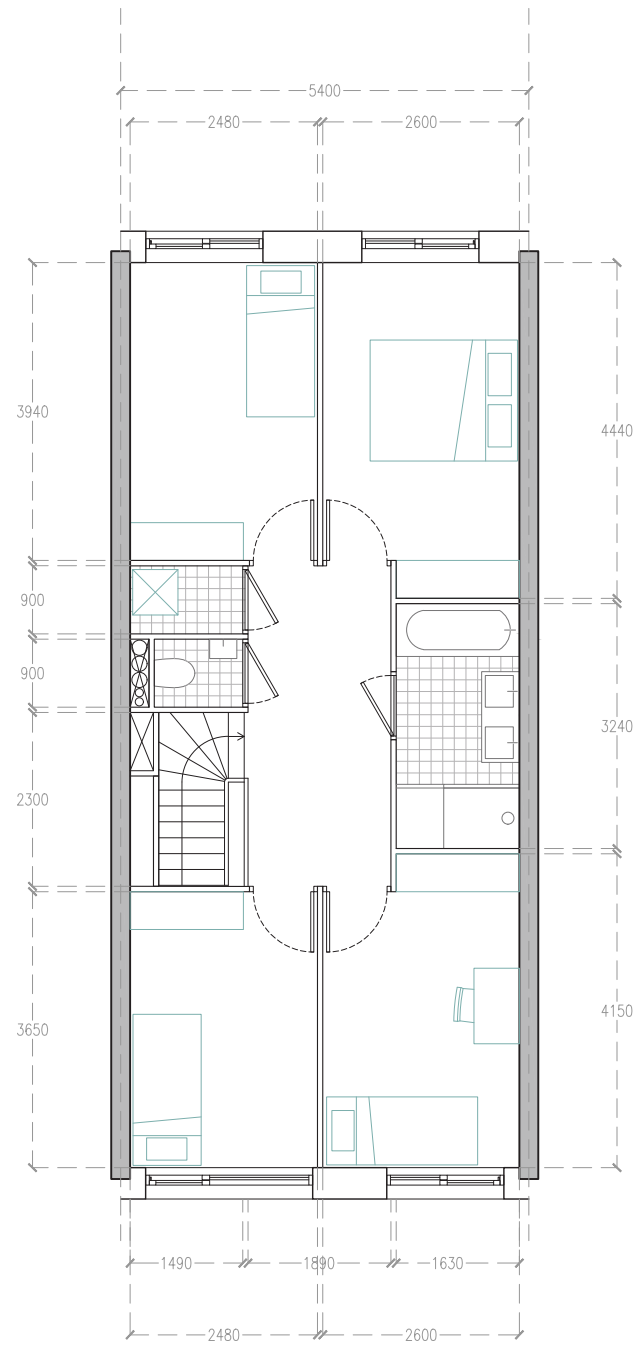
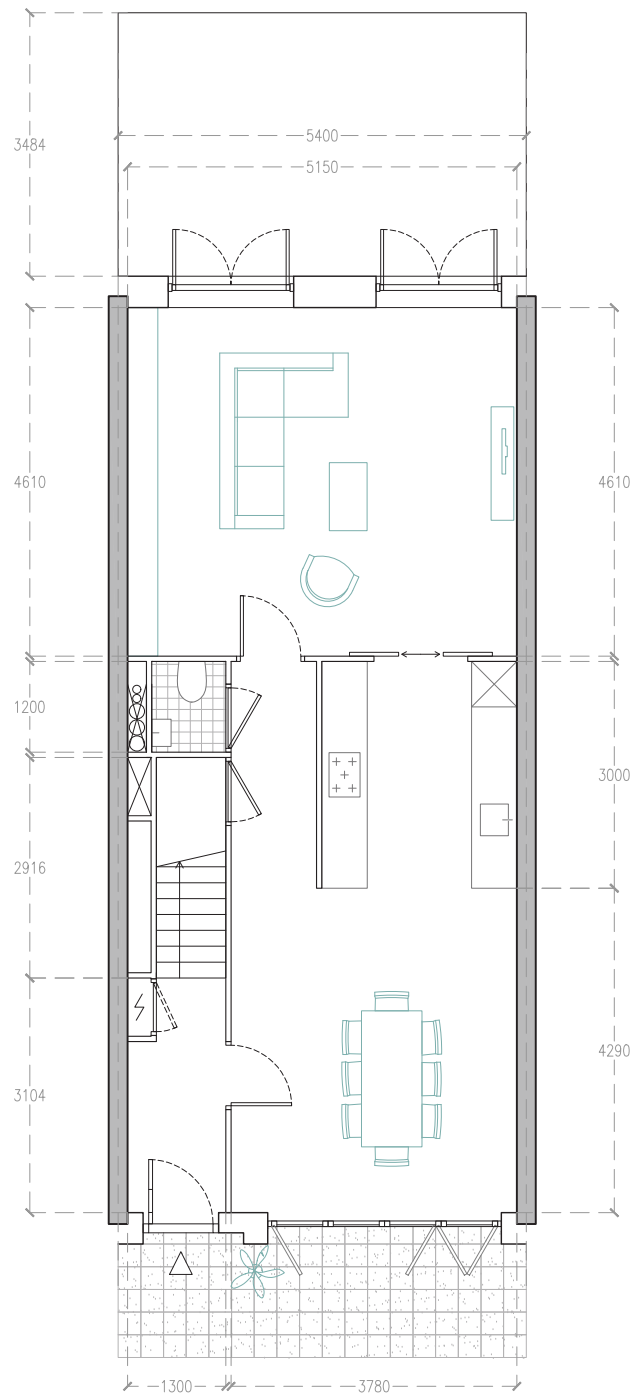
North facade



South facade

Dwelling size 63 m²
 Floor level 4th
 Number of bedrooms 2



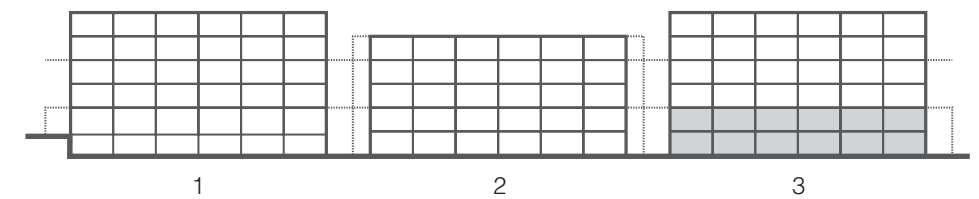
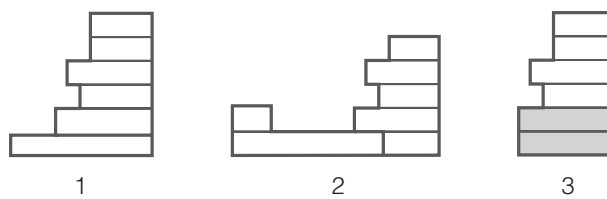


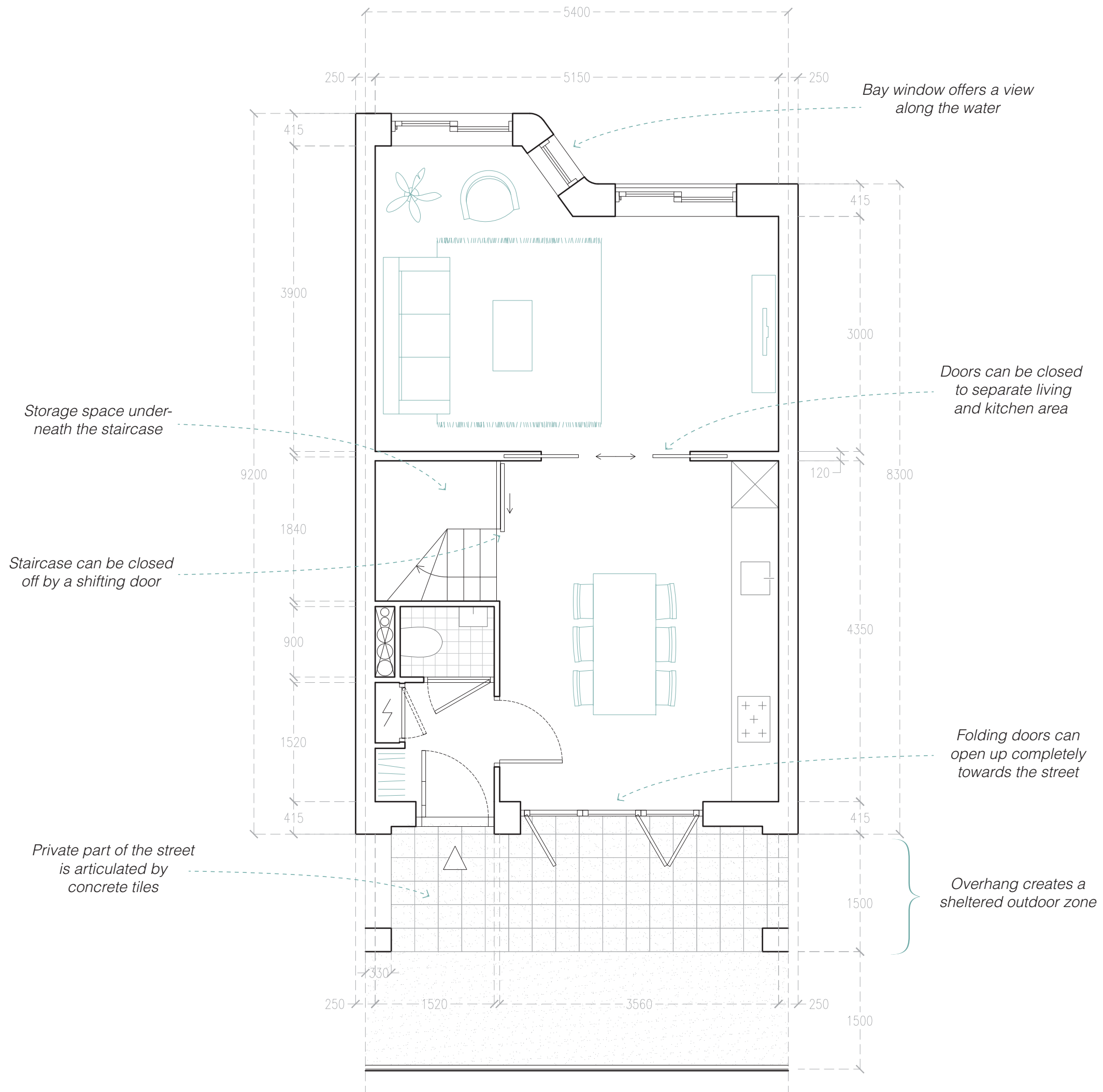
North facade

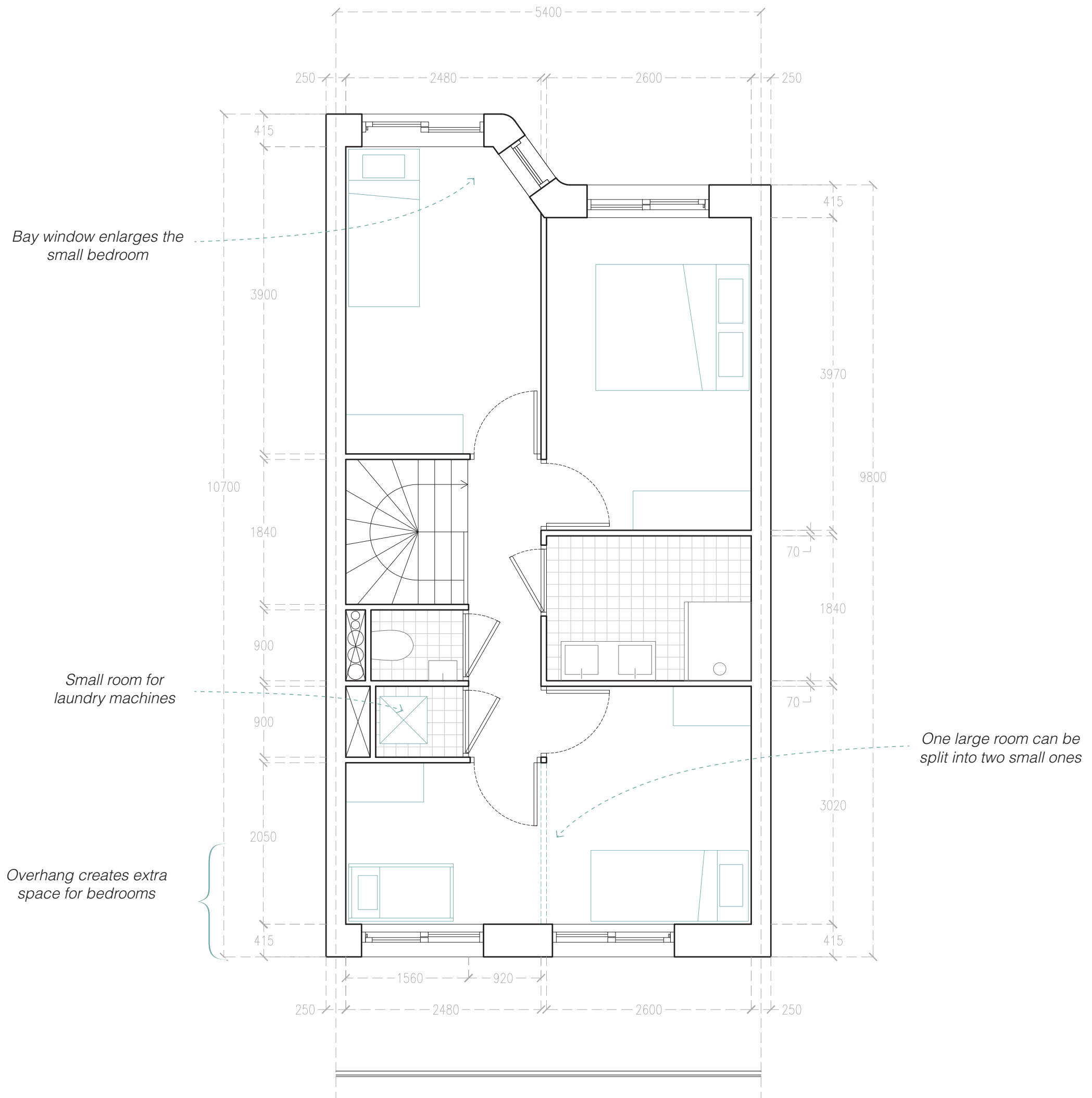


South facade

Dwelling size 123 m²
 Floor level 0, 1st
 Number of bedrooms 4

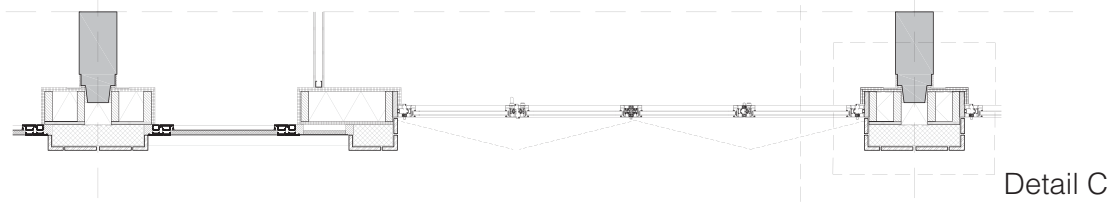
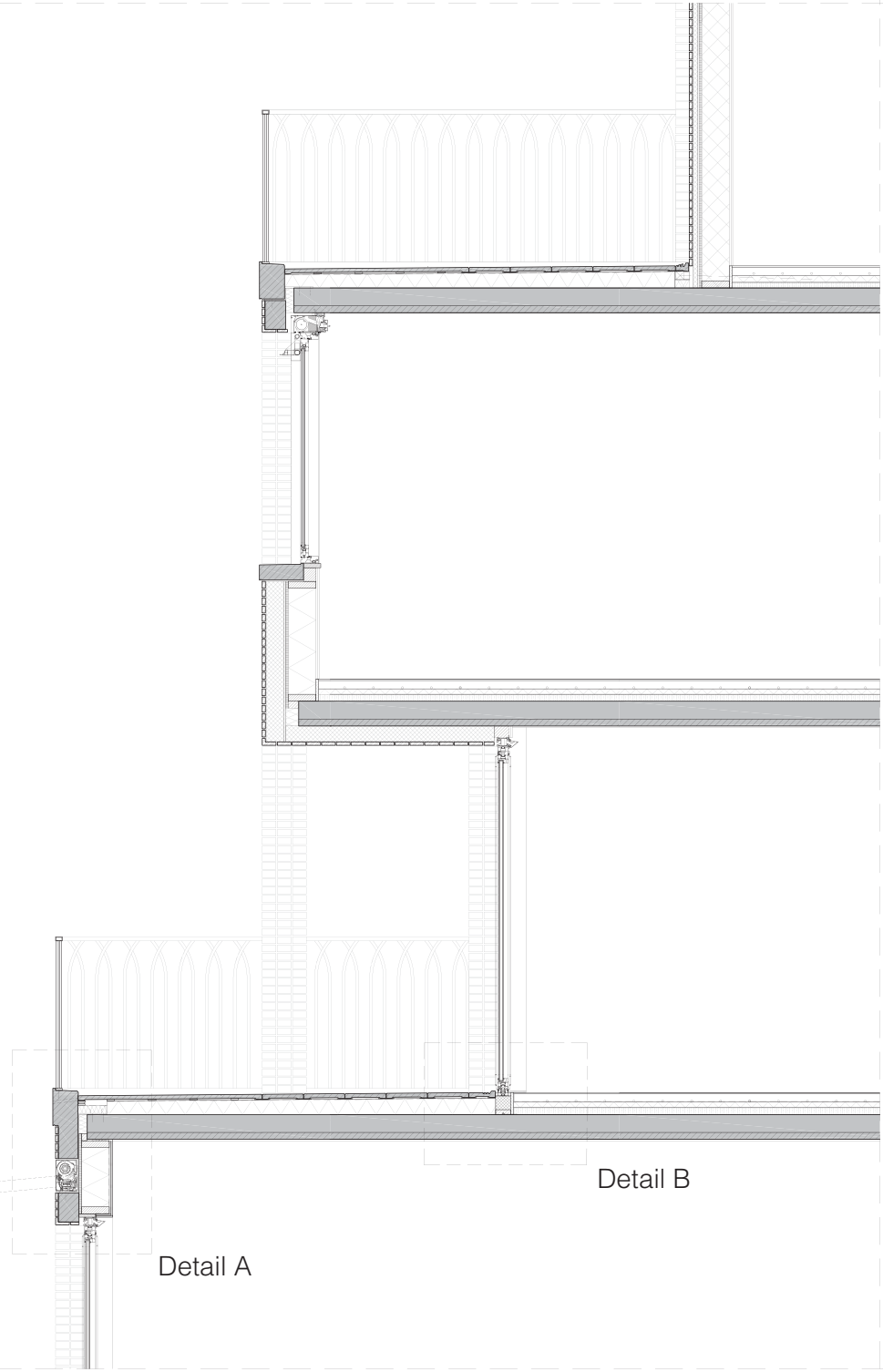


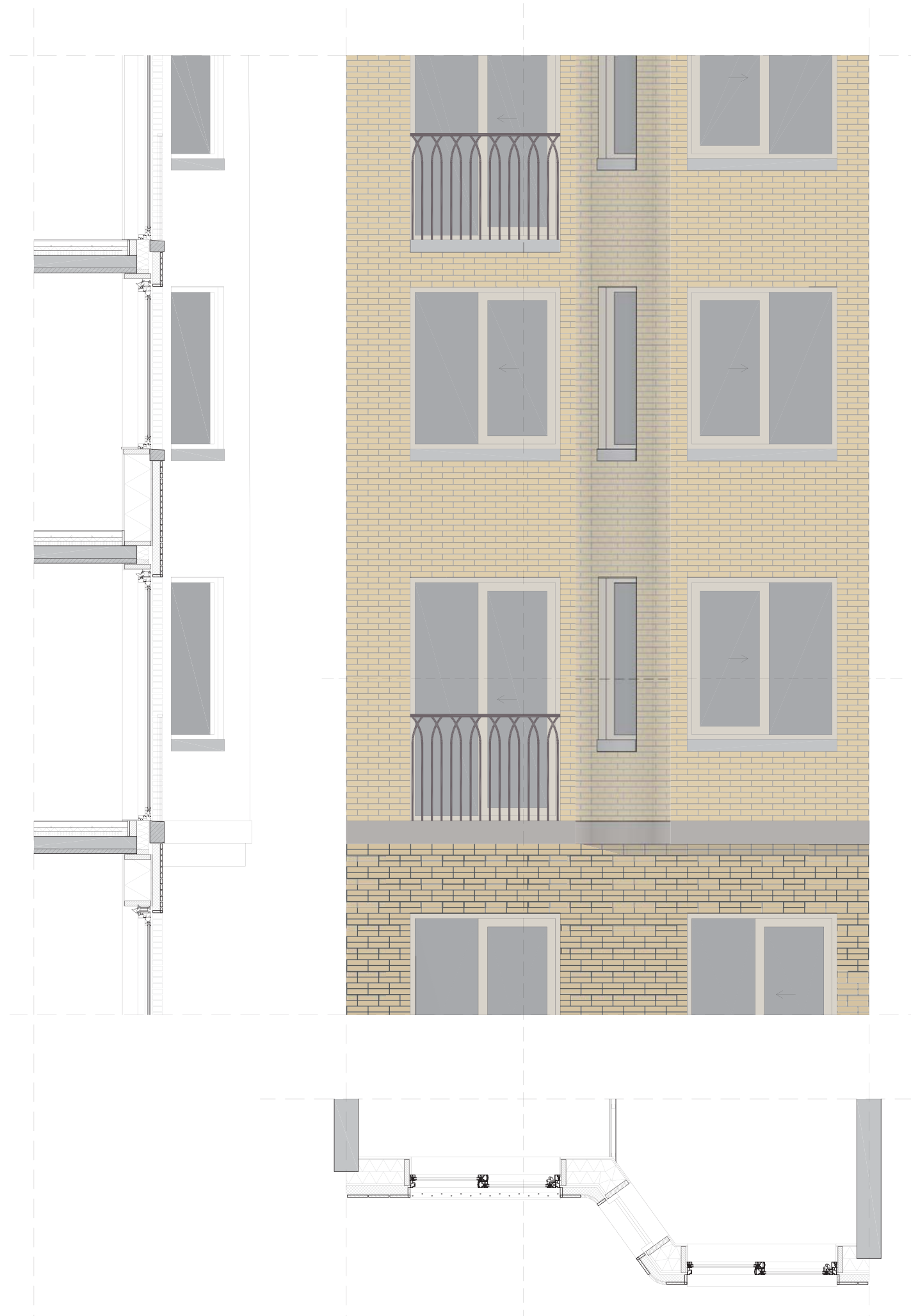












Facade fragment North | 1:50

Aluminum fencing

Emergency overflow
Edge zone system (DNS)

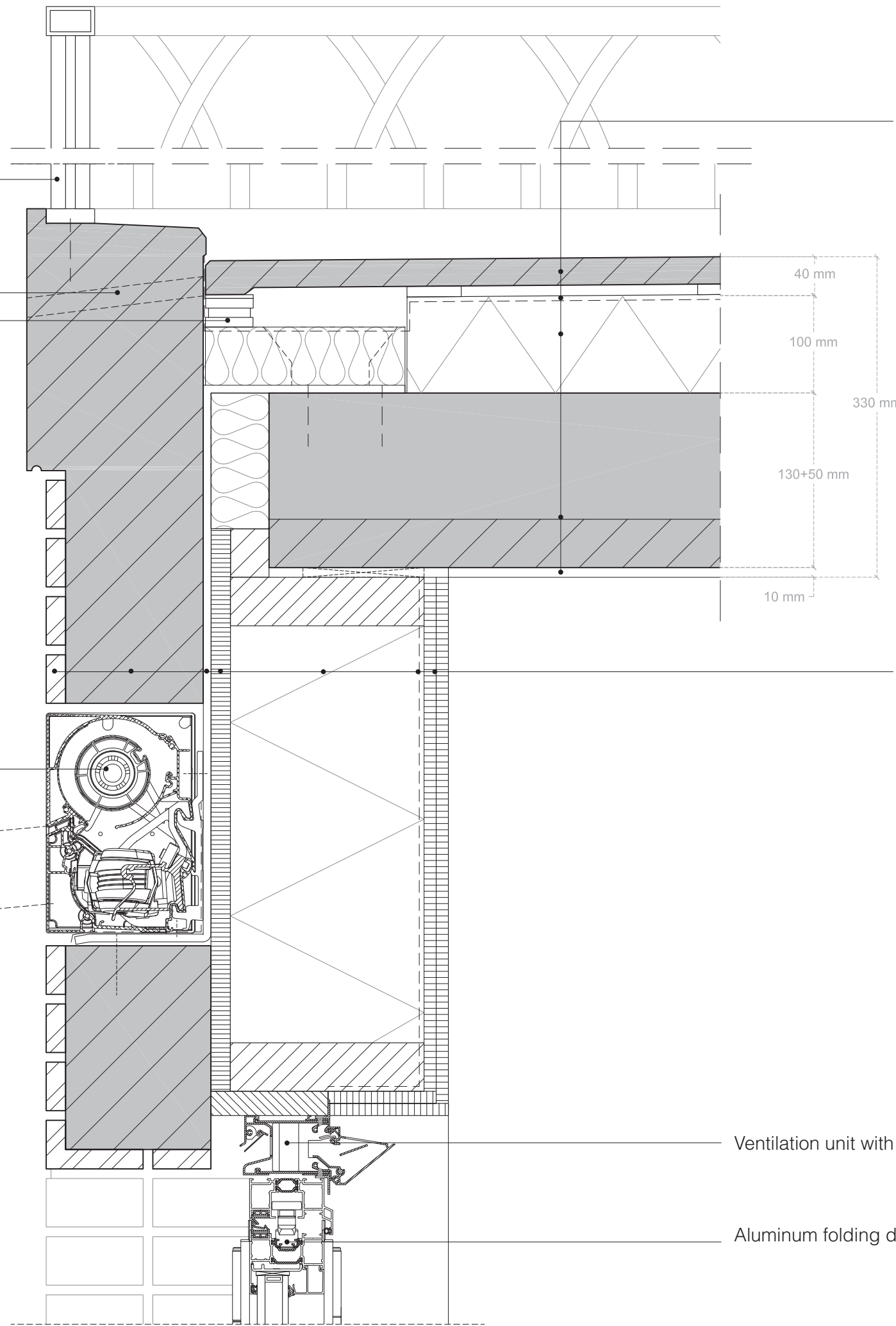
Sunscreen (Harol BX270)

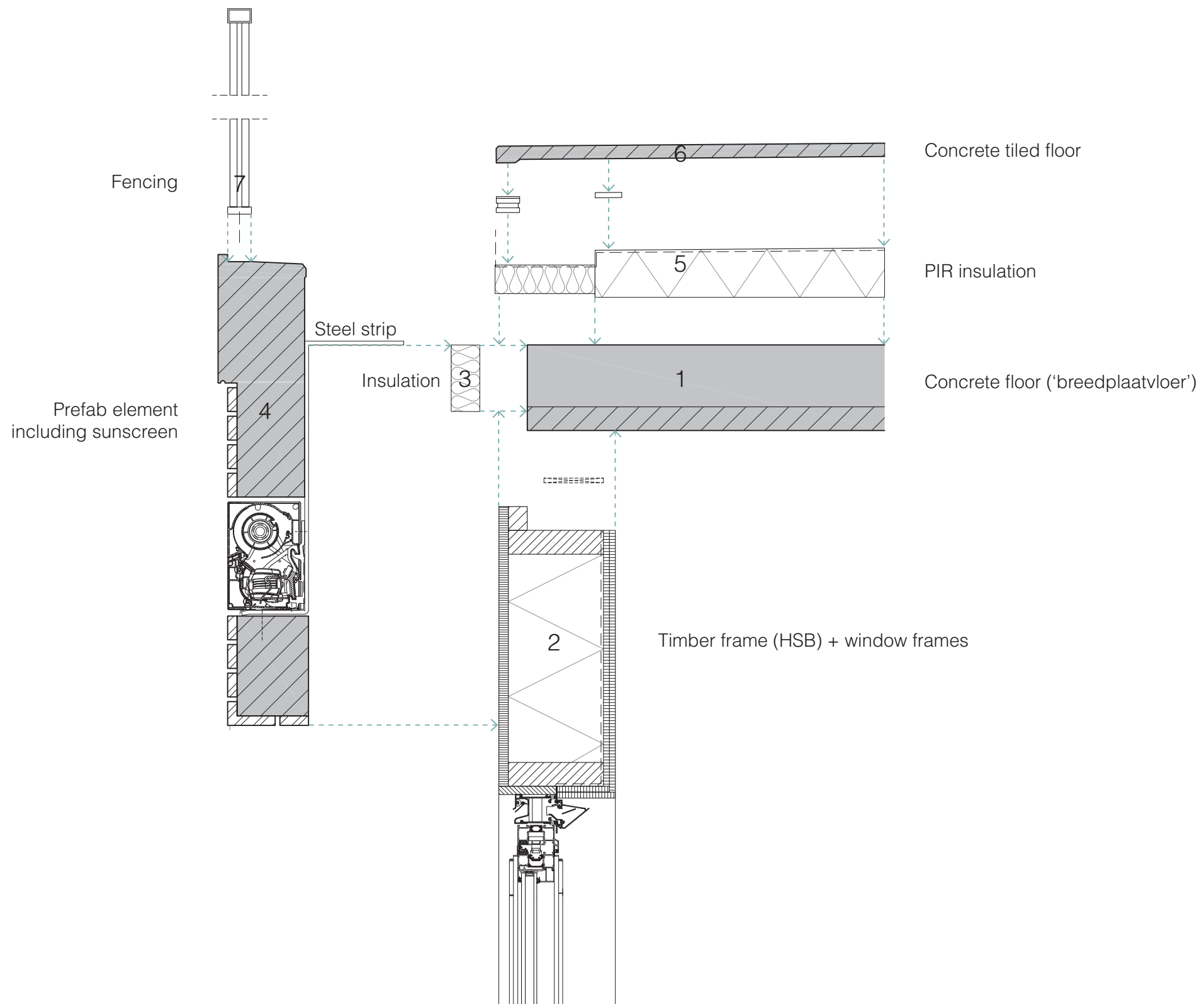
Ventilation unit with pre heating and sound reduction (Climatop 60AK)

Aluminum folding door (Reynears CF77)

- Concrete | 40 mm
- Waterproof membrane
- PIR insulation | 120 mm
- Concrete floor ('Breedplaatvloer') | 130 + 50 mm
- Ceiling finish (such as 'sputwerk') | 10 mm

- Brick strips (Daas Victoria Falls), possibly acoustic | 23 mm
- Prefab concrete element, possibly (partly) insulation panel
- Steel strip
- Waterproof board | 20 mm
- Rockwool insulation (or insulation with comparable sound reduction and thermal qualities) | 200 mm
- Vapor barrier membrane
- Double plasterboard | 2x 12,5mm

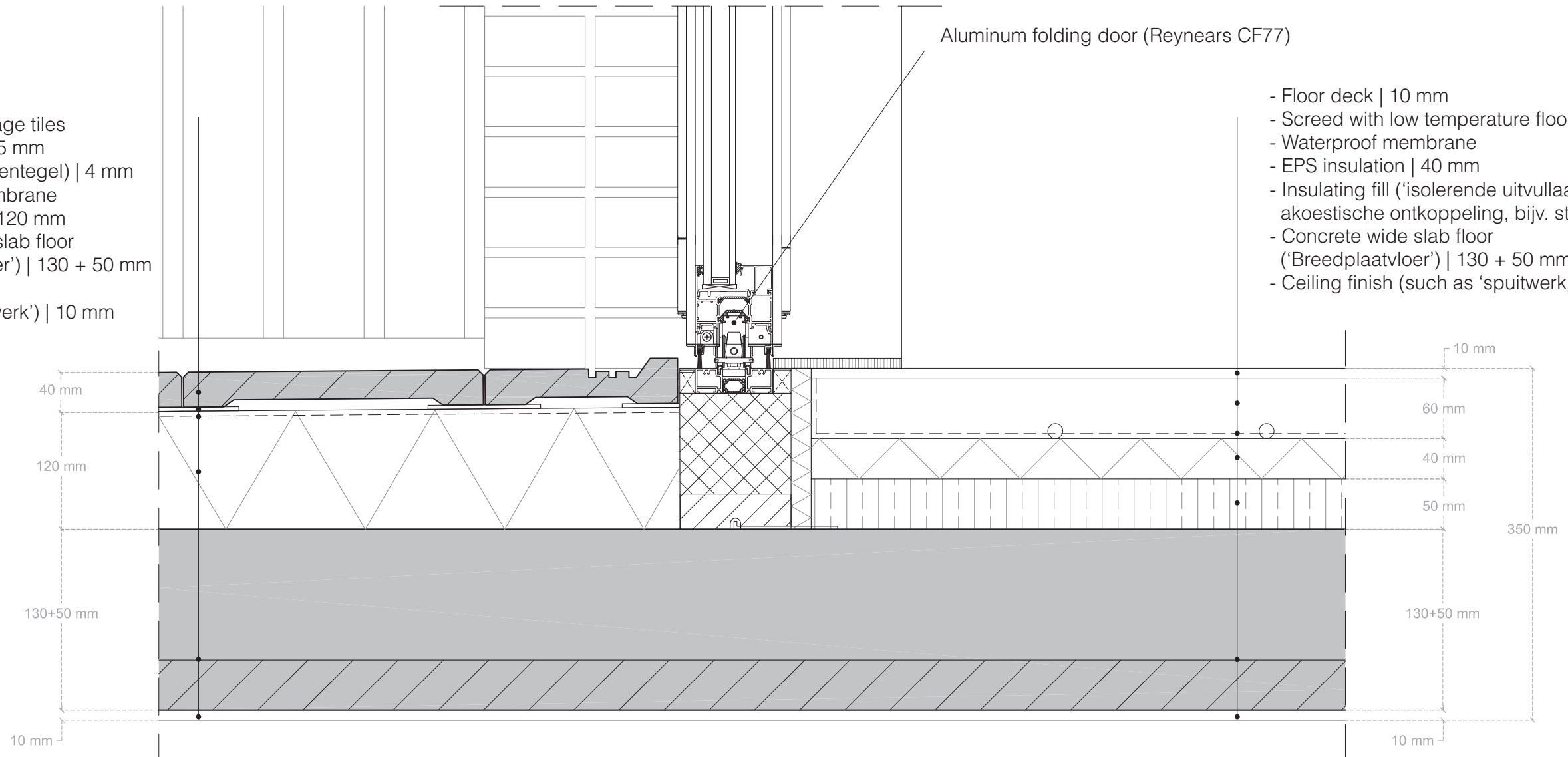


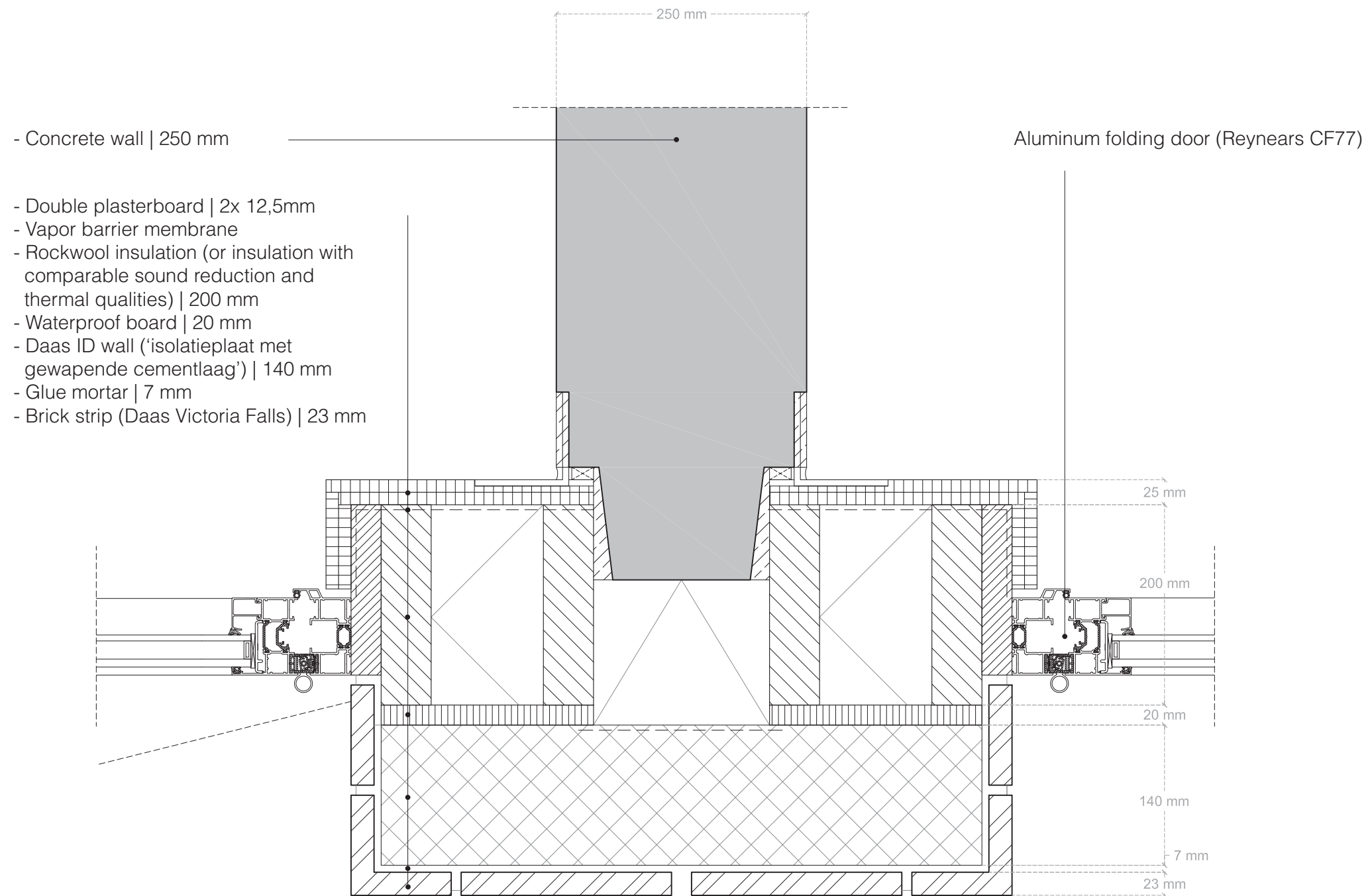


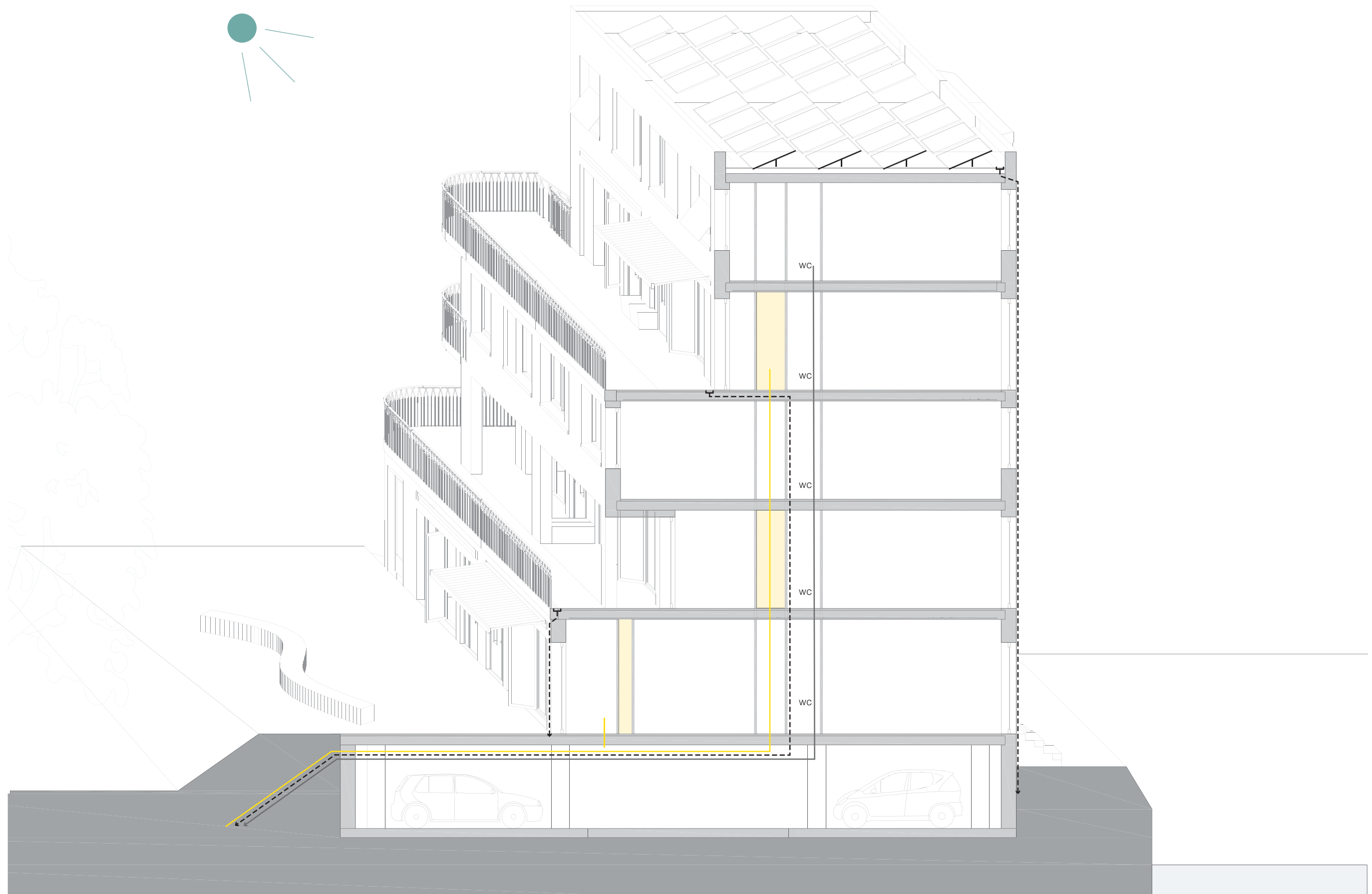
- Concrete drainage tiles (Dreentegel) | 35 mm
- 'Plakzegel' (Dreentegel) | 4 mm
- Waterproof membrane
- PIR insulation | 120 mm
- Concrete wide slab floor ('Breedplaatvloer') | 130 + 50 mm
- Ceiling finish (such as 'spuitwerk') | 10 mm

Aluminum folding door (Reynears CF77)

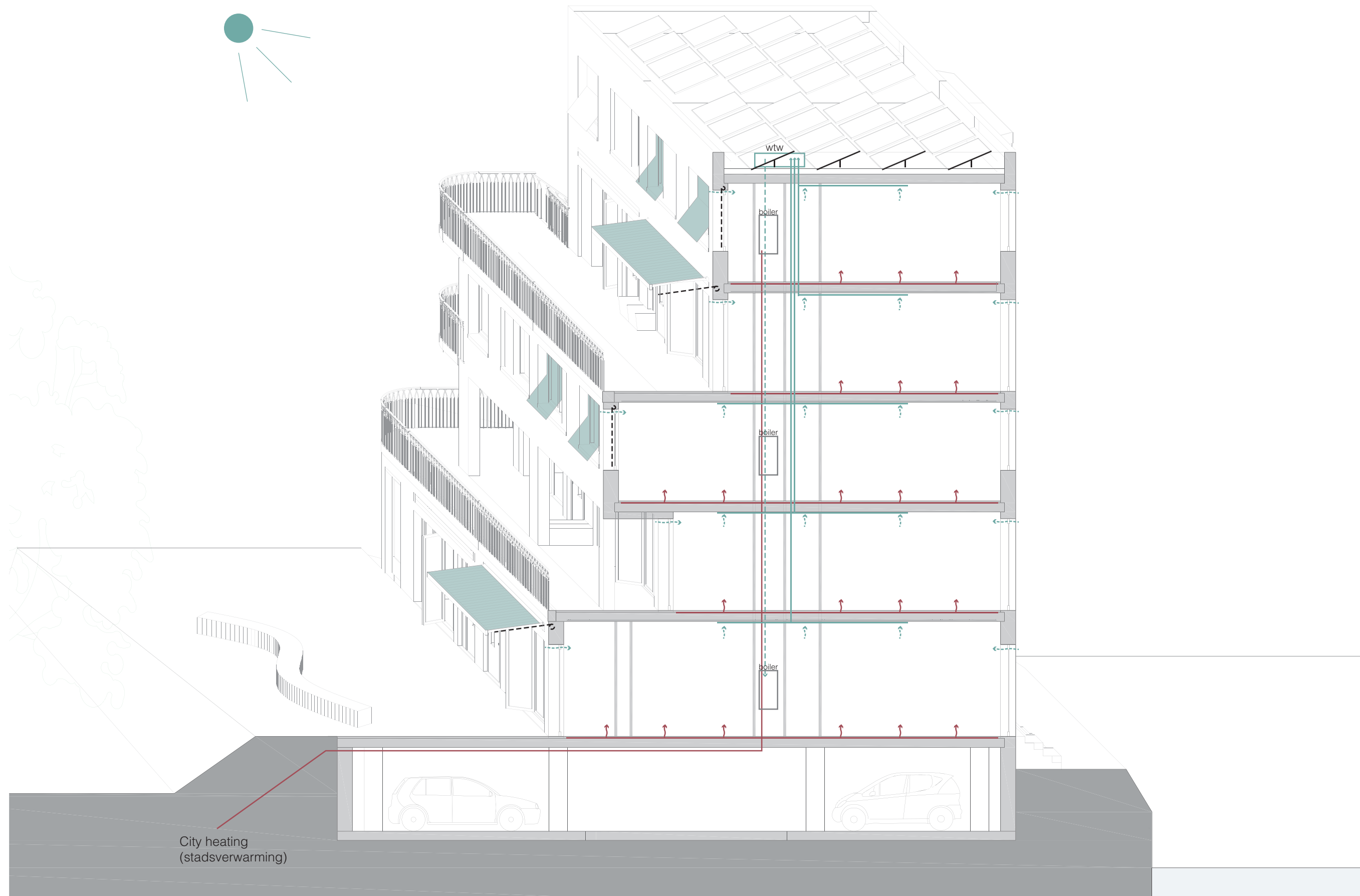
- Floor deck | 10 mm
- Screed with low temperature floor heating | 60 mm
- Waterproof membrane
- EPS insulation | 40 mm
- Insulating fill ('isolerende uitvulling tbv akoestische ont koppeling, bijv. steenwol') | 50 mm
- Concrete wide slab floor ('Breedplaatvloer') | 130 + 50 mm
- Ceiling finish (such as 'spuitwerk') | 10 mm



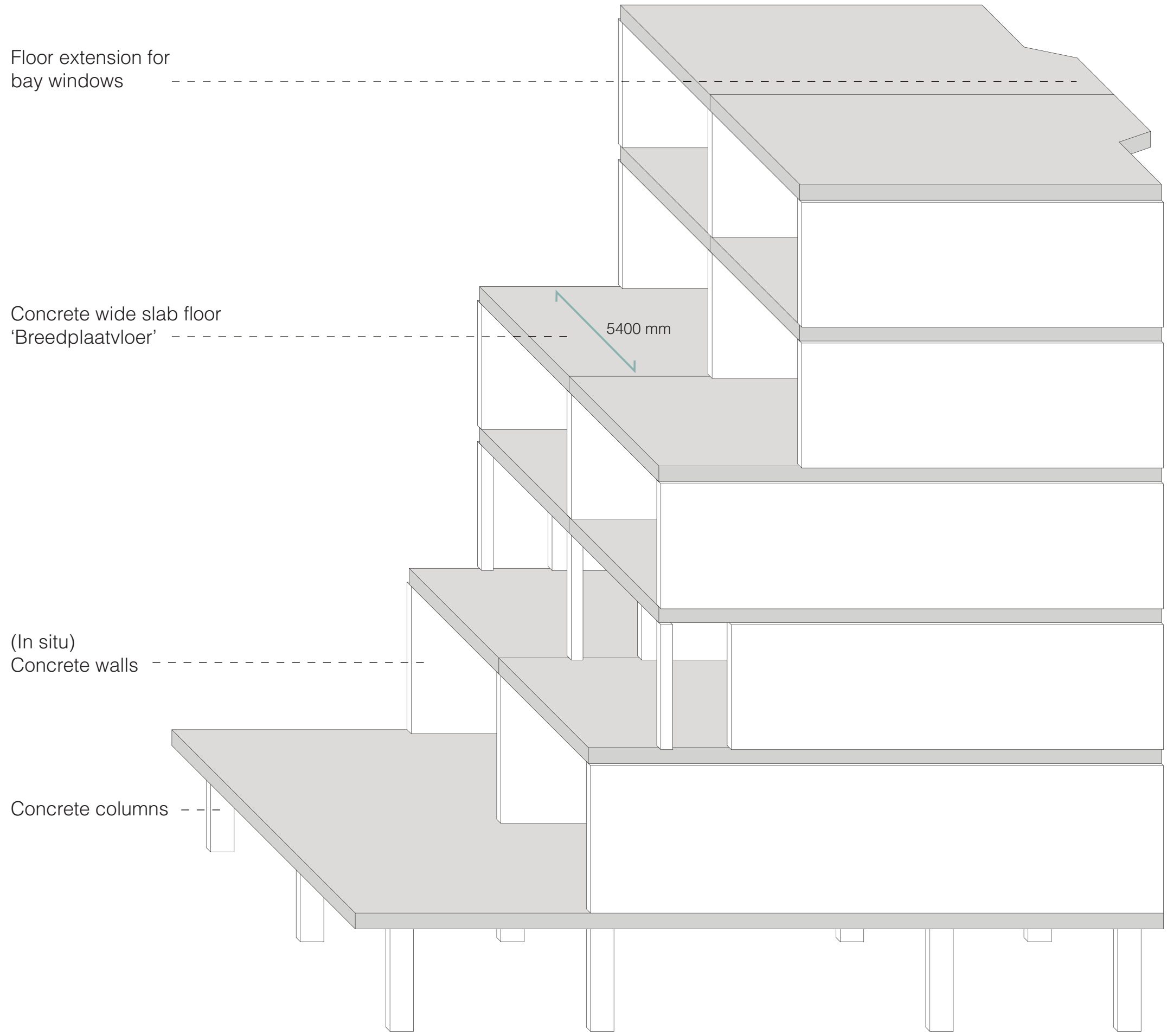




Shafts & Fuse boxes



Heating & ventilation





View on raised square



View from water side



View on kinder garden



View on hill to play on



View on ground floorstreet



View on street in the sky