



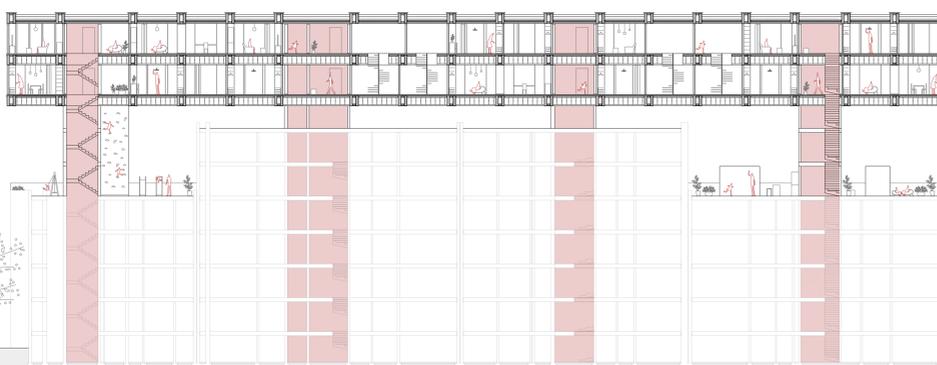
second floor plan 1:250



first floor plan 1:250



roof floor plan 1:250

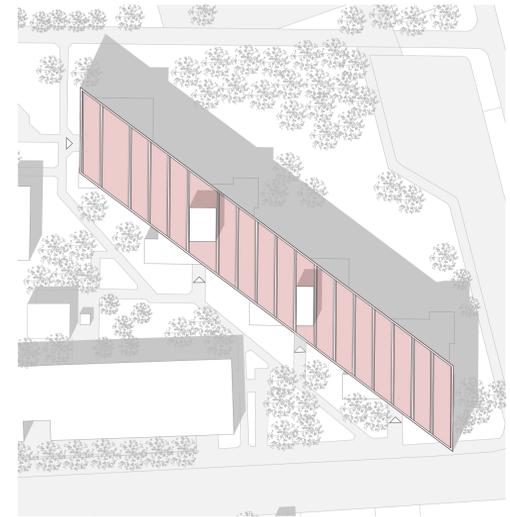


longitudinal section 1:250

THE DIAGONAL



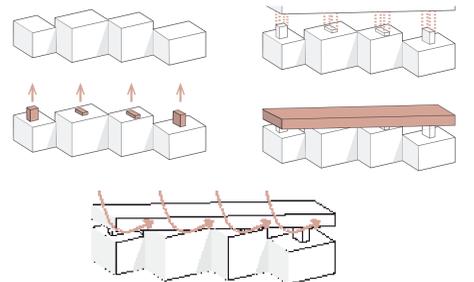
conceptual application on the site plan 1:2000



site plan 1:1000

Roof extension was created in a way, that it could be applied to every type of apartment building, creating additional living and community spaces.

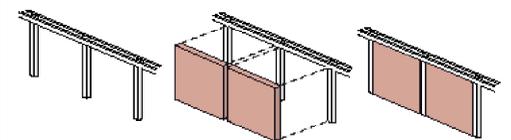
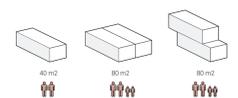
By extending main load-bearing concrete cores, we gained a new support system for the added extension. To gain as much space as possible, a new linear slat was laid over the entire existing building. It is also raised, which enables natural ventilation, reduces the contact with the existing roof and the hydroinsulation is no longer needed.



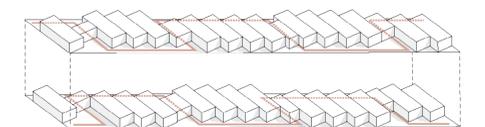
With this addition we gained 28 new apartments, and used the created intermediate voids, as well as the existing roofs for communal spaces.

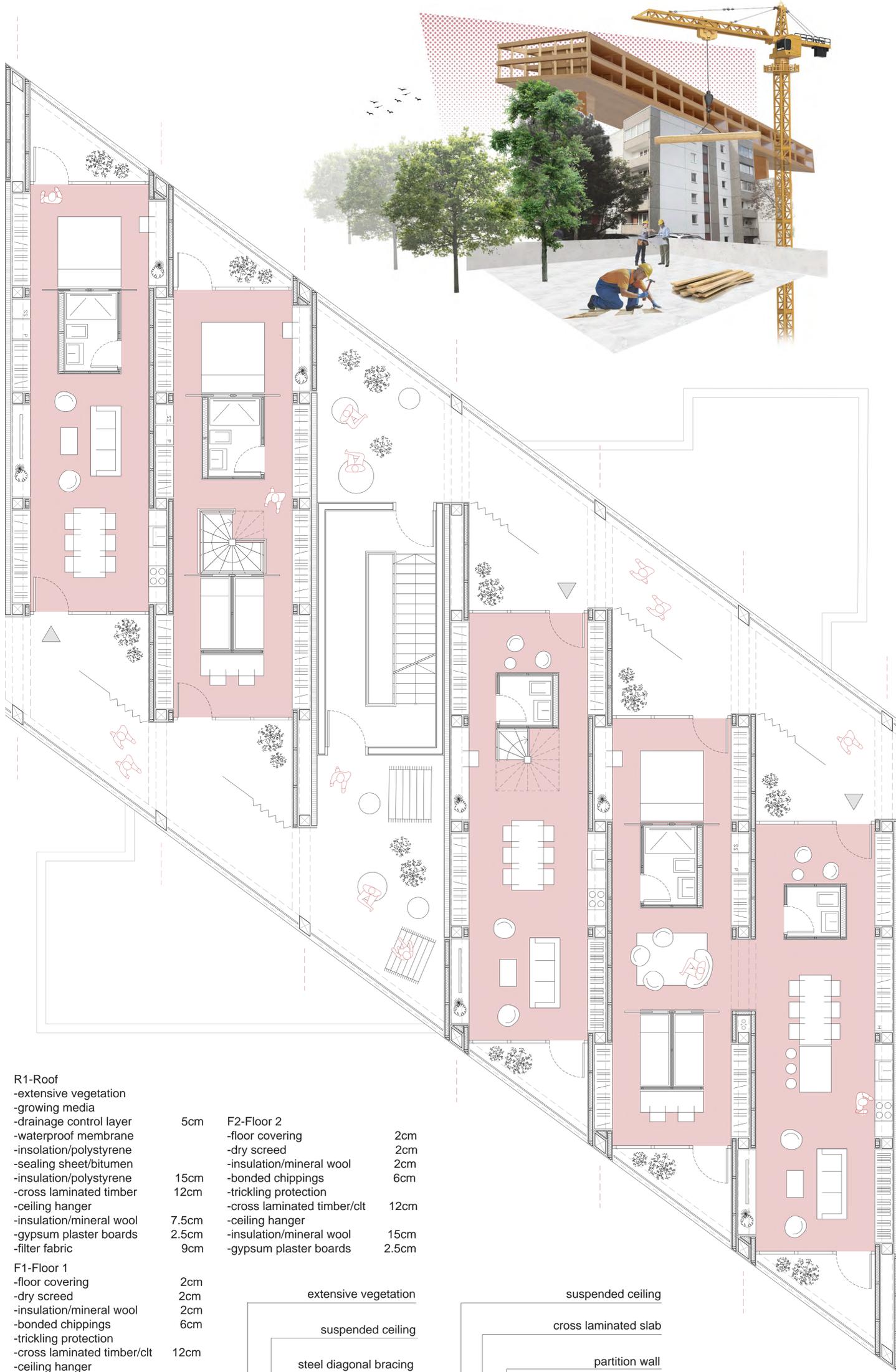


We designed 3 different types of flats, a singular, double module and a duplex. They are linear, and extend through the entire lamella, so they get natural lighting from two directions. With its narrow and long, linear shape, we save space by placing the majority of the fixed furniture in between the constructional crossbeams.



To create a more connected living space, and encourage residents interactions, the groups of apartments take turns in their rearrangements, which creates a playful path with public spaces in between.





- R1-Roof**
- extensive vegetation
 - growing media
 - drainage control layer
 - insolation/polystyrene
 - sealing sheet/bitumen
 - insulation/polystyrene
 - cross laminated timber
 - ceiling hanger
 - insulation/mineral wool
 - gypsum plaster boards
 - filter fabric

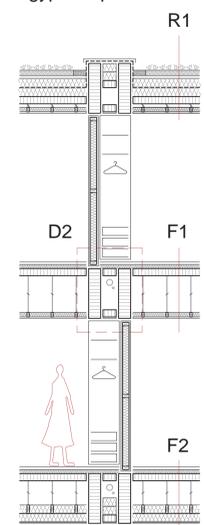
- 5cm
- 15cm
- 12cm
- 7.5cm
- 2.5cm
- 9cm

- F2-Floor 2**
- floor covering
 - dry screed
 - insulation/mineral wool
 - bonded chippings
 - trickling protection
 - cross laminated timber/ct
 - ceiling hanger
 - insulation/mineral wool
 - gypsum plaster boards

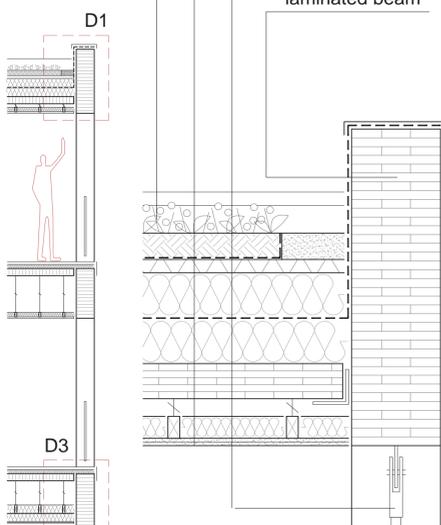
- 2cm
- 2cm
- 2cm
- 6cm
- 12cm
- 15cm
- 2.5cm

- F1-Floor 1**
- floor covering
 - dry screed
 - insulation/mineral wool
 - bonded chippings
 - trickling protection
 - cross laminated timber/ct
 - ceiling hanger
 - insulation/mineral wool
 - gypsum plaster boards

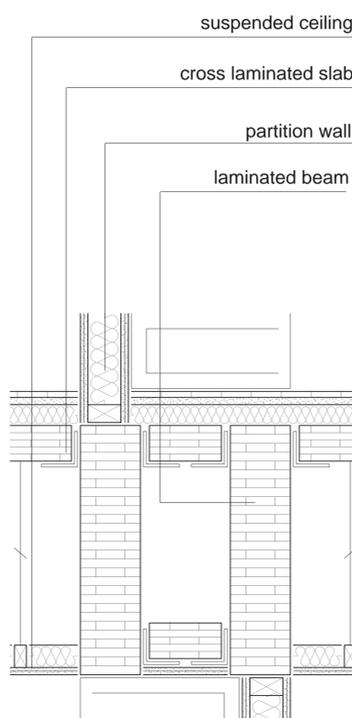
- 2cm
- 2cm
- 2cm
- 6cm
- 12cm
- 7.5cm
- 2.5cm



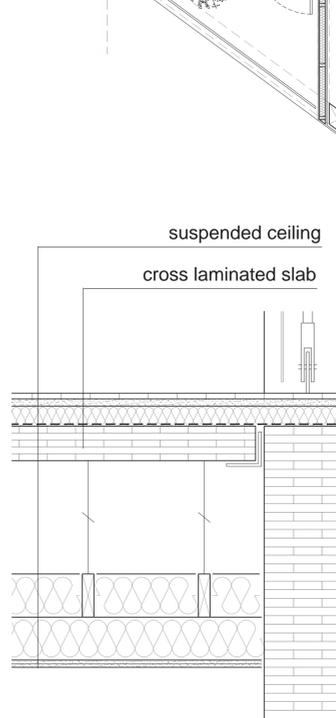
facade section 1:50



detail 1 1:10



detail 2 1:10



detail 3 1:10



view of the lamella



modular construction of the extension



insertions between the crossbeams



view of the facade



interior with placed furniture between construction