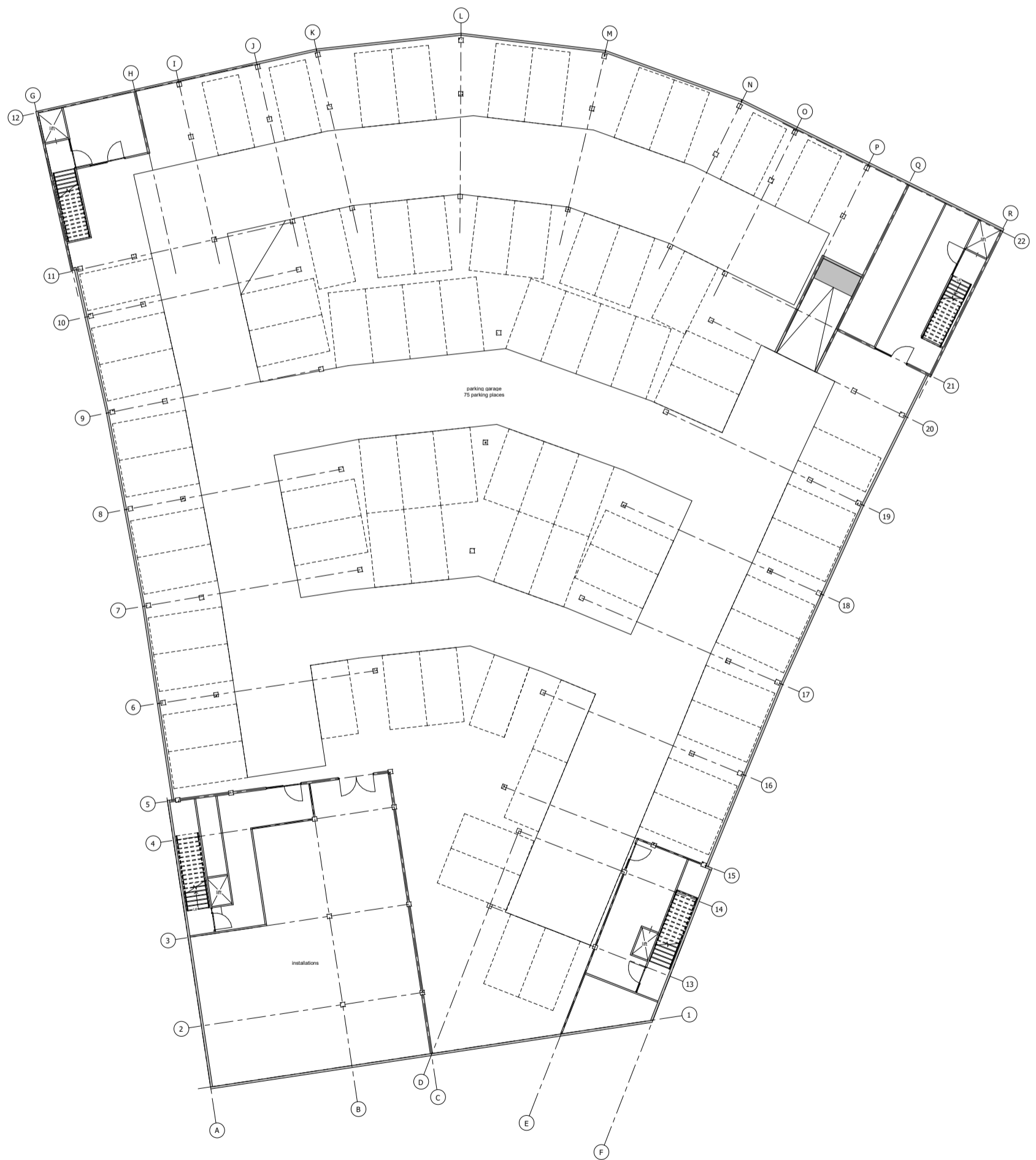




1-01 Urban plan  
1:500



## 2- -01 Parking garage 1:200





2-00 Ground floor  
1:200



2021 Inker  
 2021 presentatie  
 zilveren Copy 1

**2-01 First floor**  
 1:200

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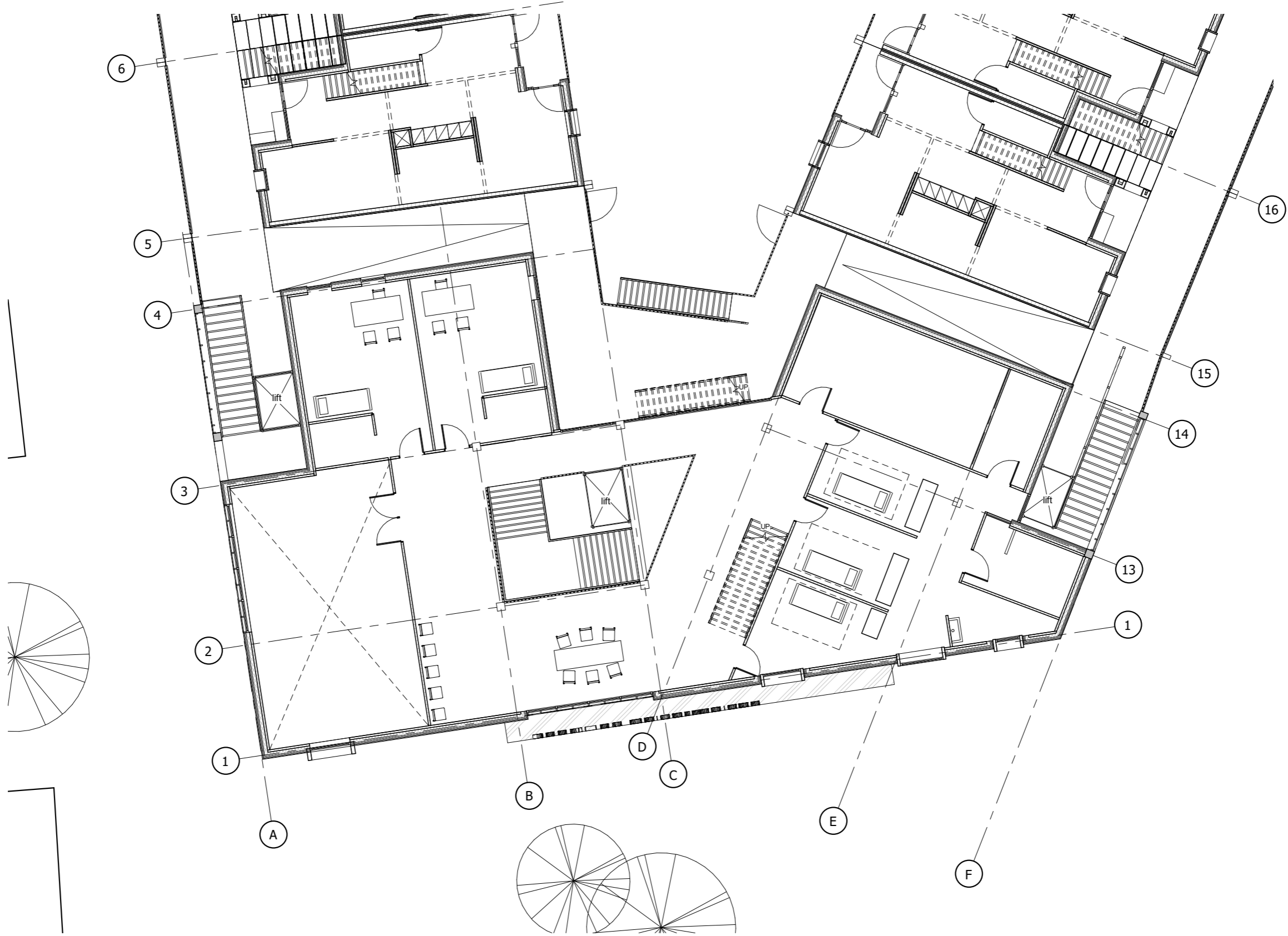
**2-02 Second floor**  
1:200



**2-03 Ground floor BuurtHub**  
**1:100**

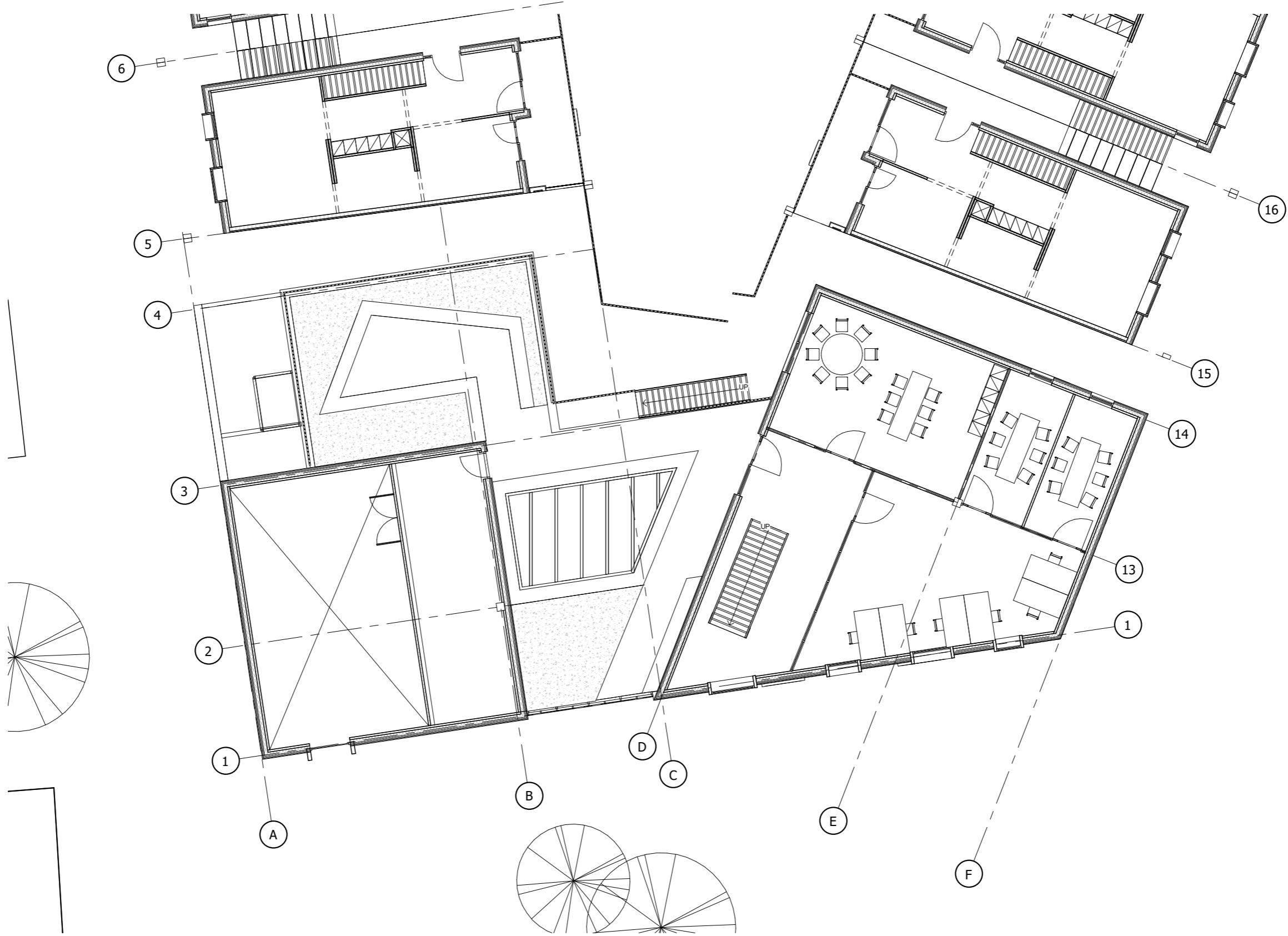
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**2-04 First floor BuurtHub**  
 1:100

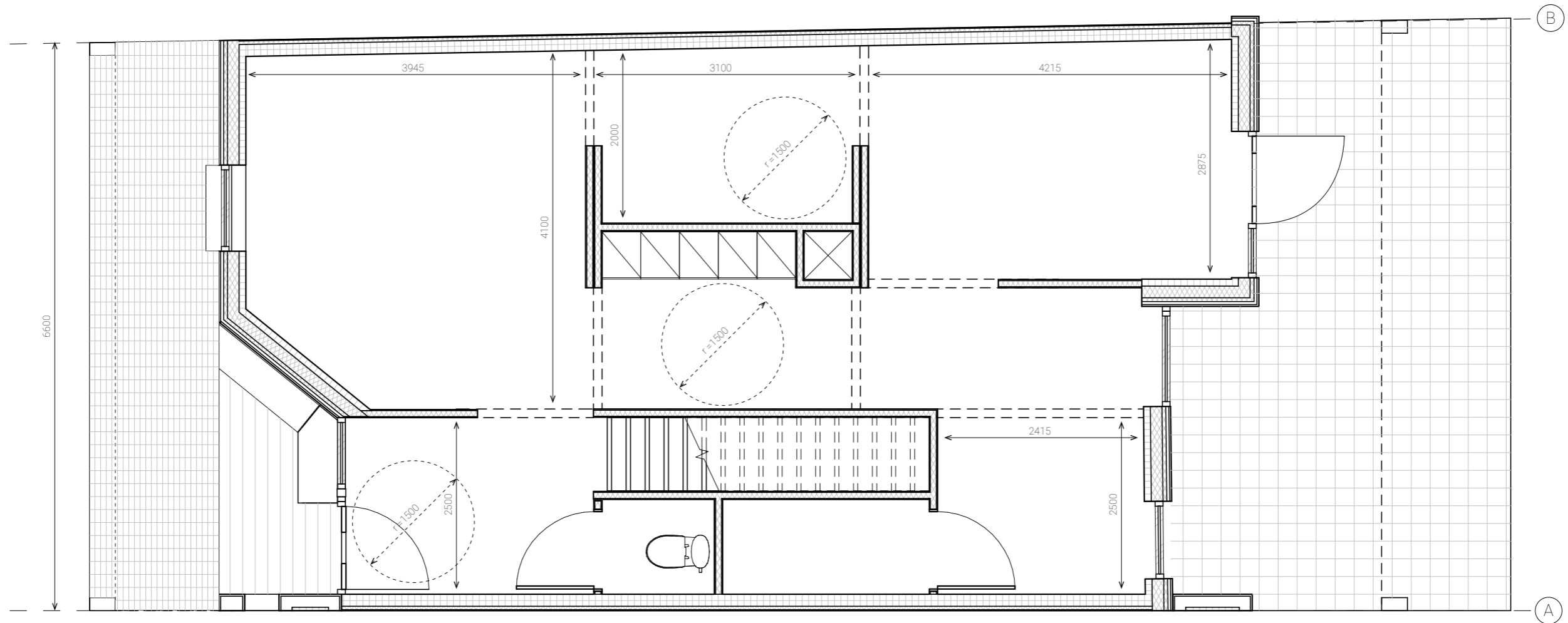
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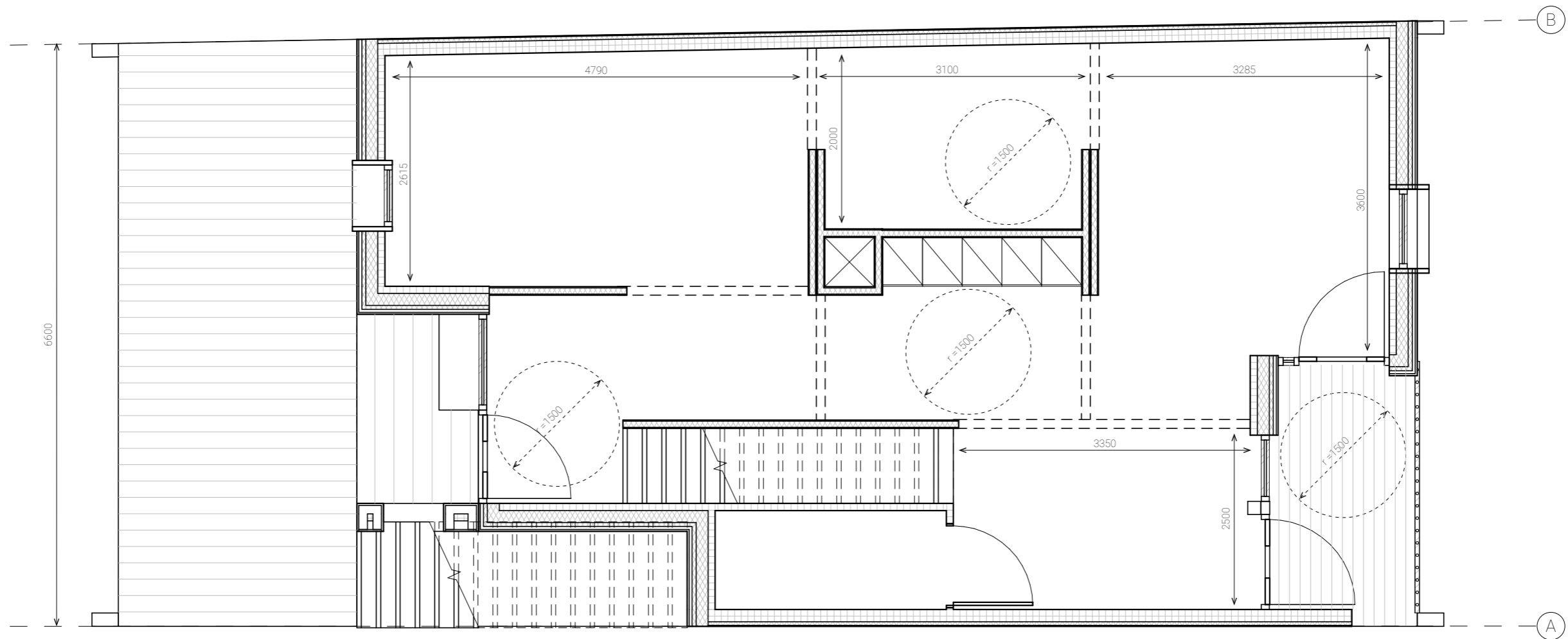
**2-05 Second floor BuurtHub**  
 1:100

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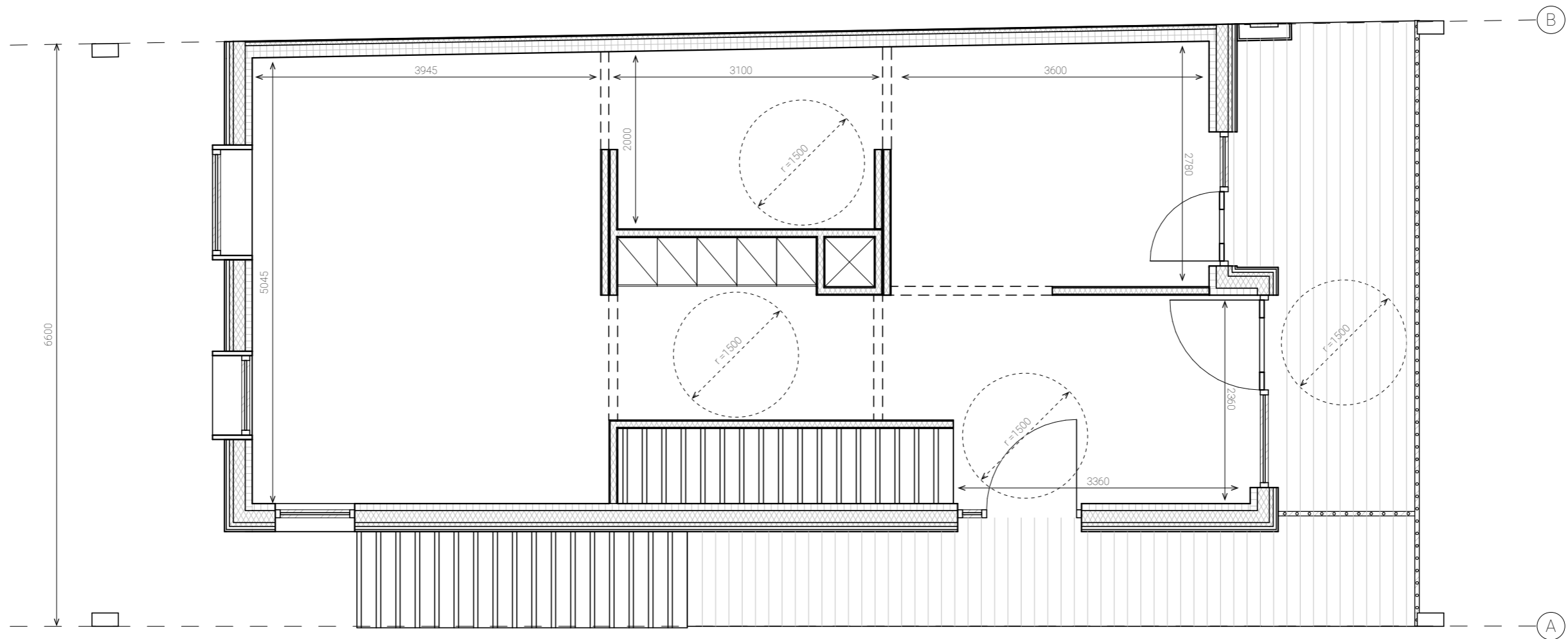


2-06 Dwelling layout Ground floor  
1:50



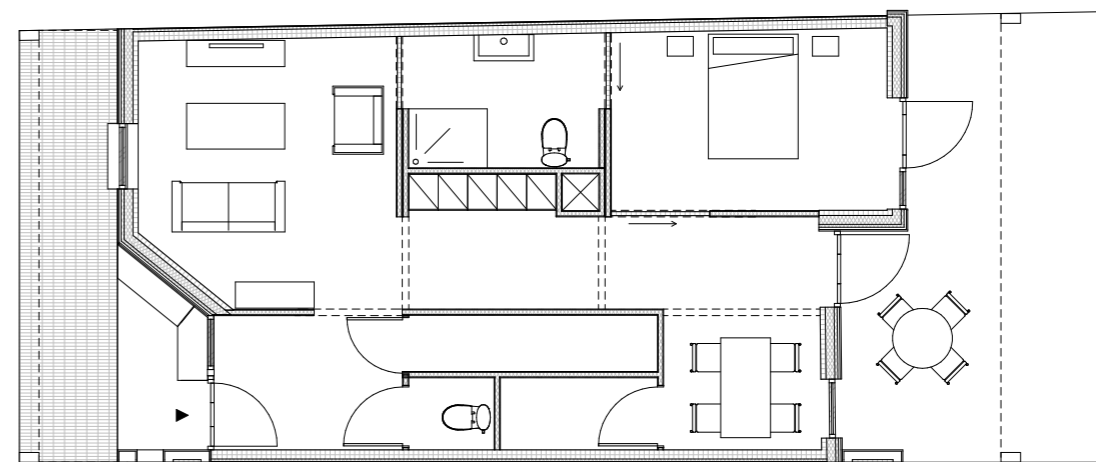
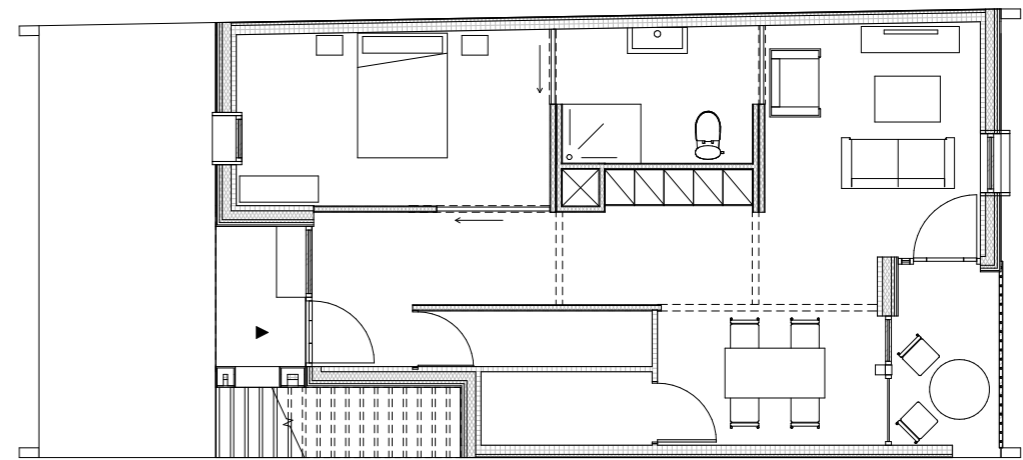
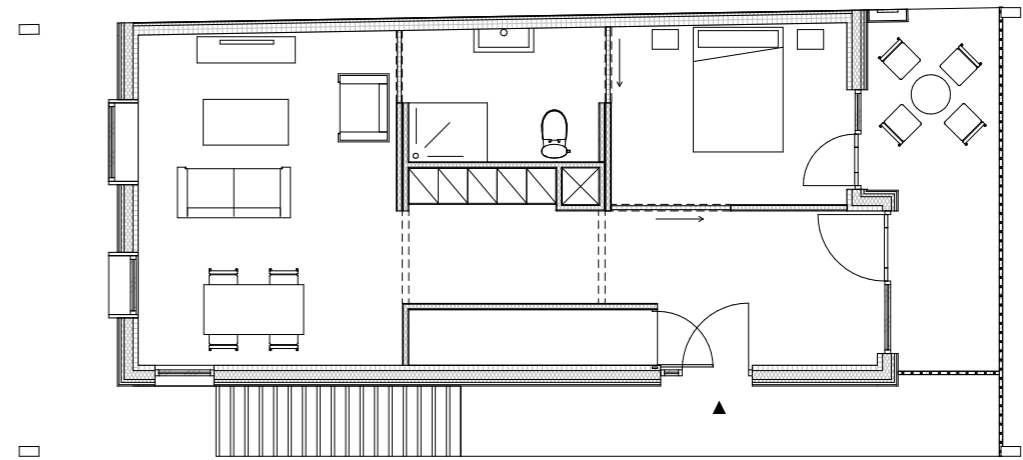
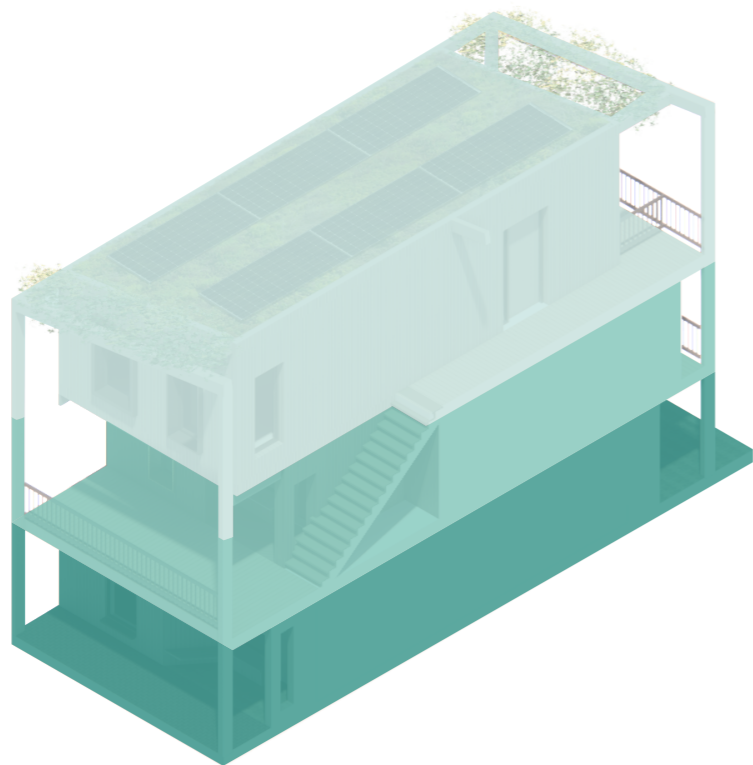
2-07 Dwelling layout first floor  
1:50

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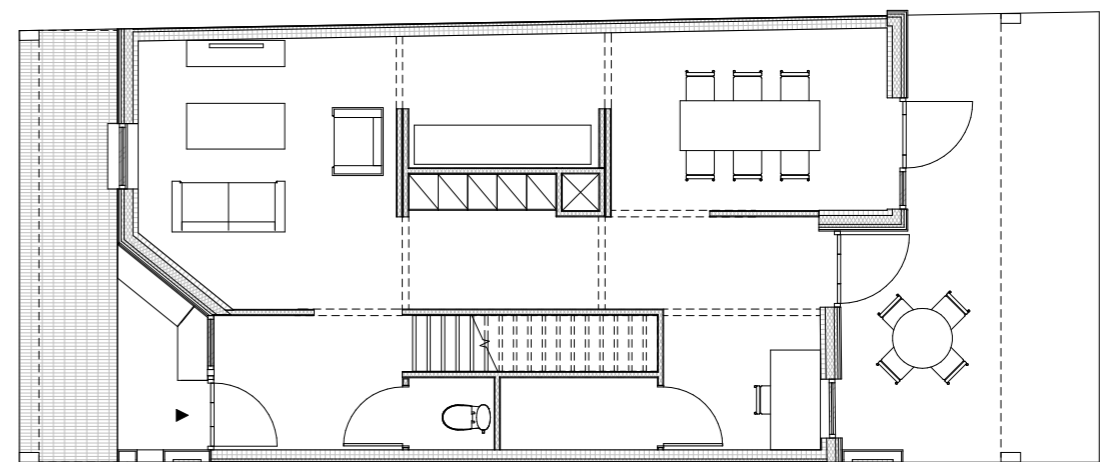
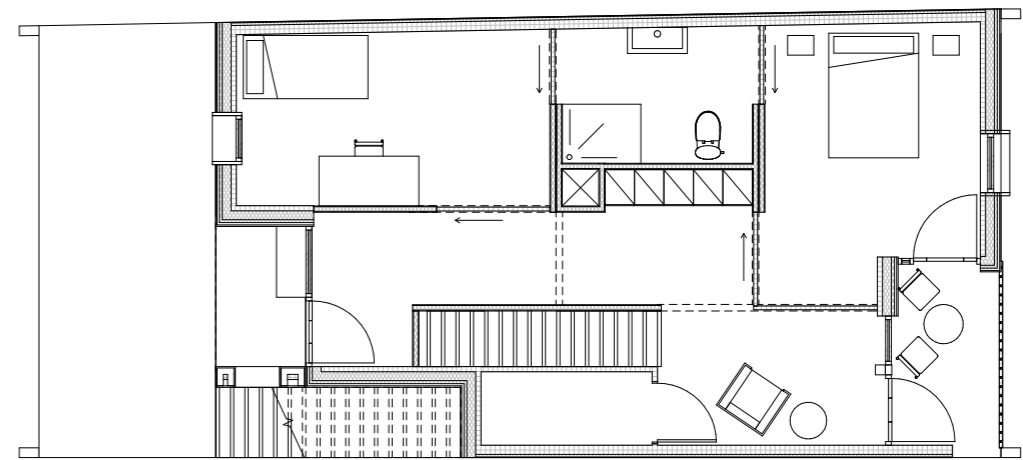
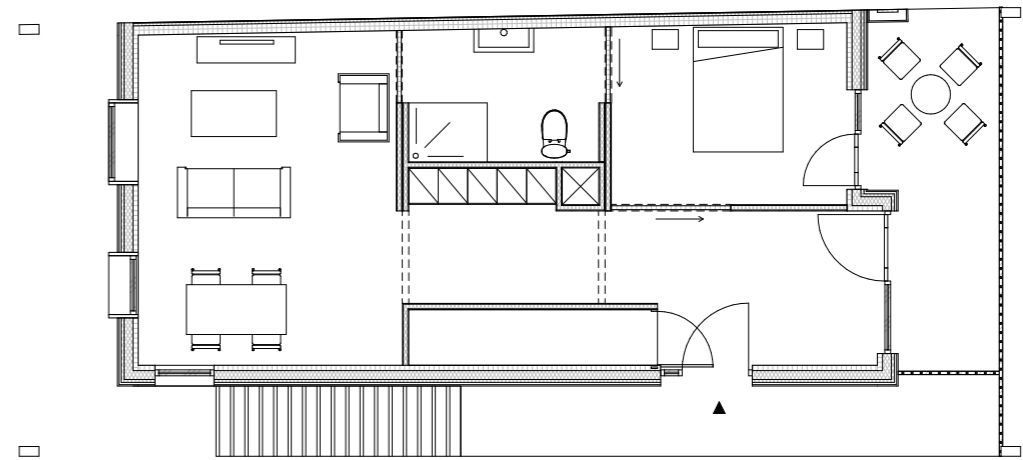
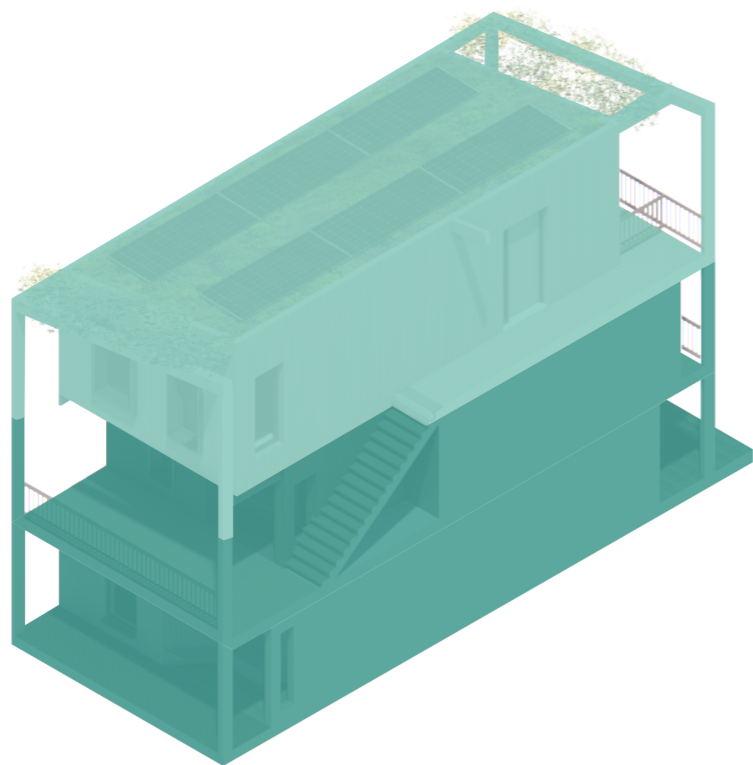
2-08 Dwelling layout second floor  
1:50

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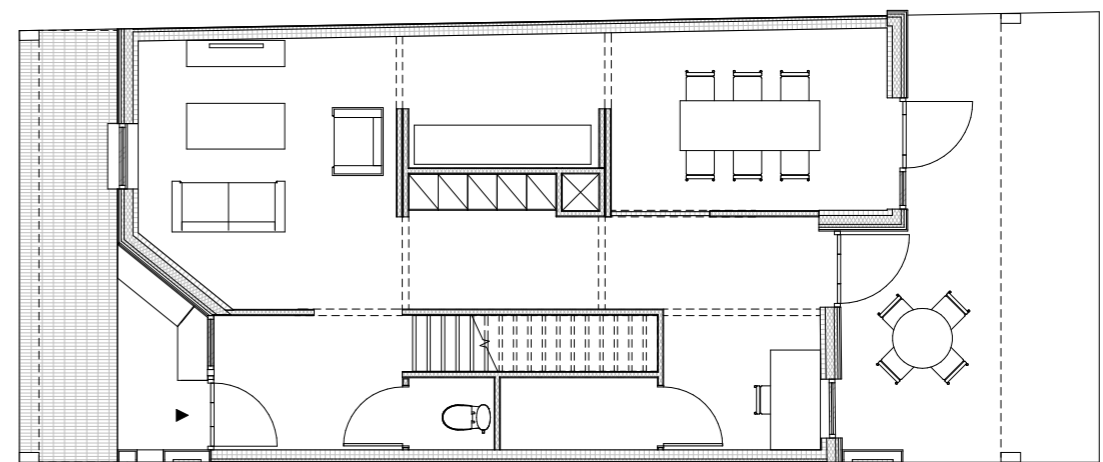
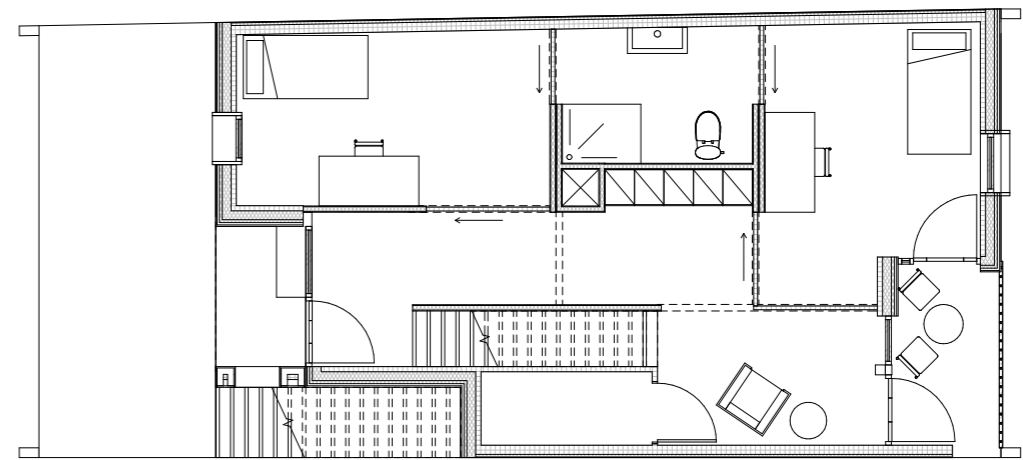
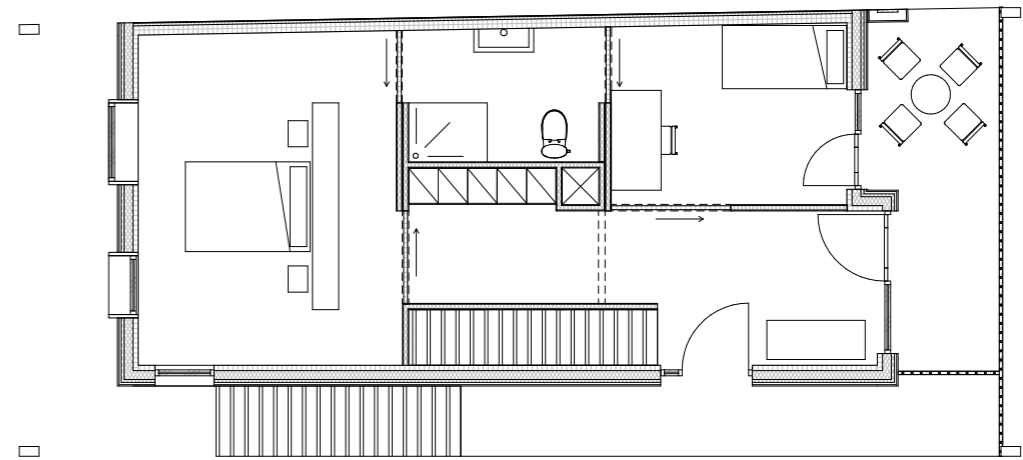
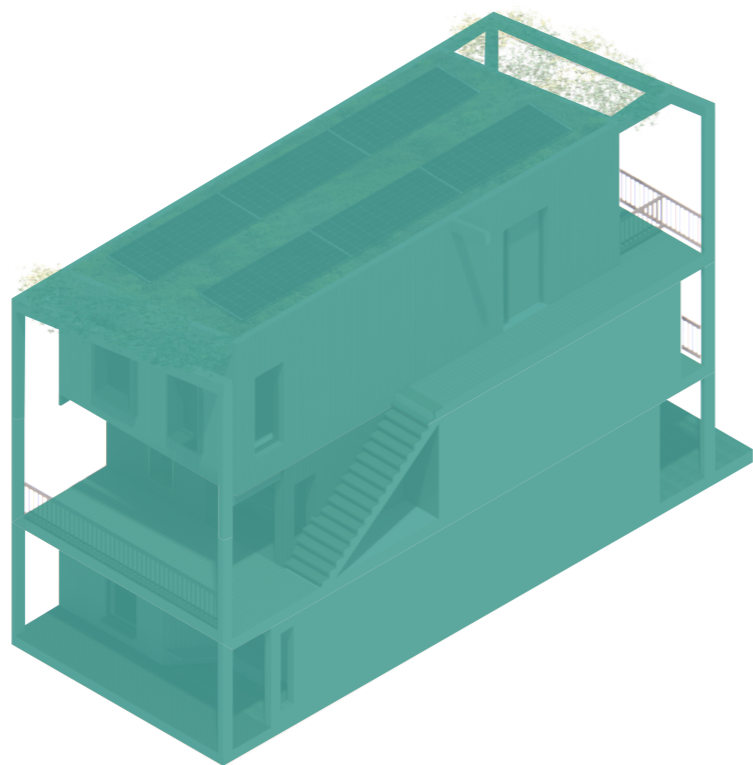


2-09 Dwelling layouts configuration 1

1:50



2-10 Dwelling layouts configuration 2  
1:50



2-11 Dwelling layouts configuration 3

1:50



### 3-01 Elevation West facade

1:200

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3-02 Elevation South facade  
1:200

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### 3-03 Elevation east facade

1:200

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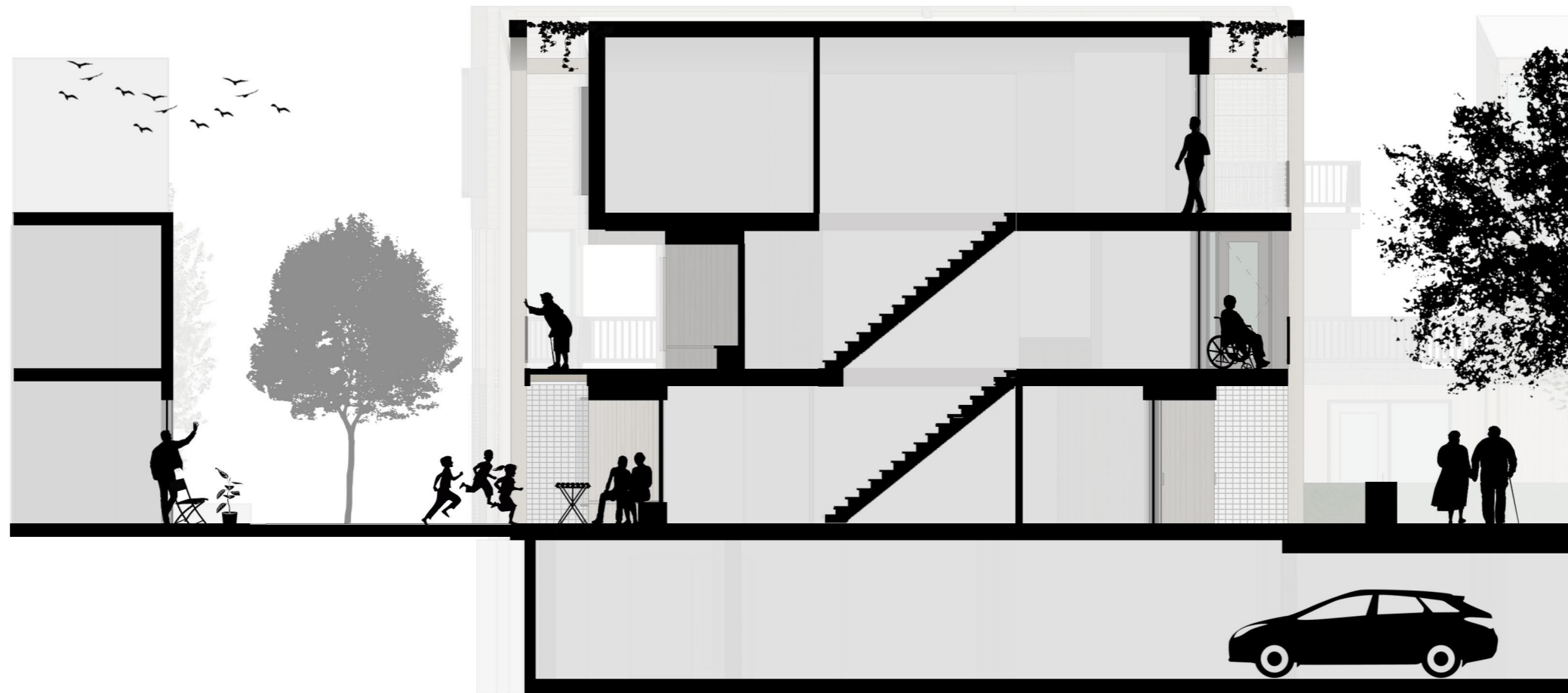
3-04 Elevation north facade  
1:200

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3-05 Elevation east facade courtyard  
1:200

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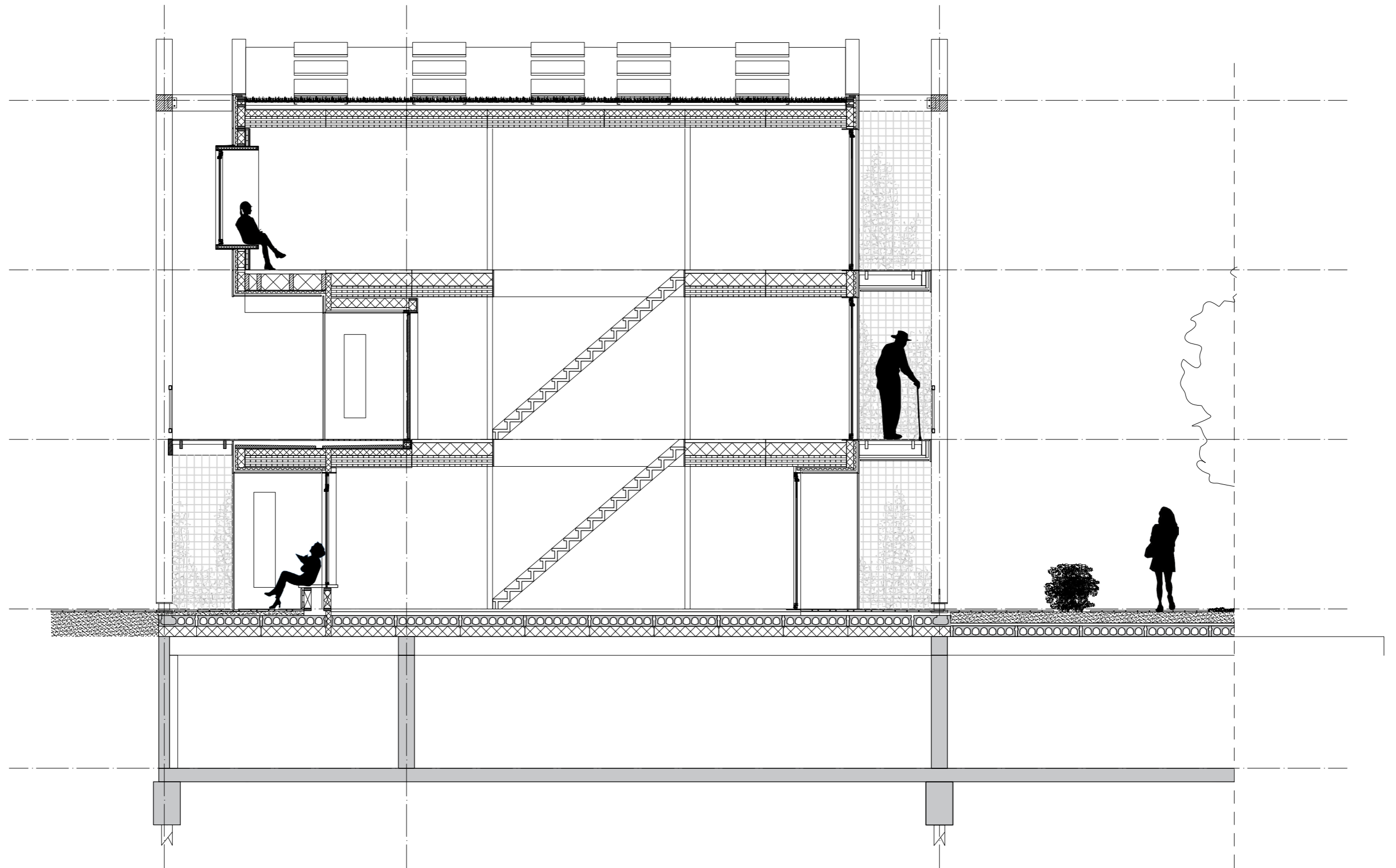
4-01 Cross section  
1:200




4-02 Longitudinal section


1:200


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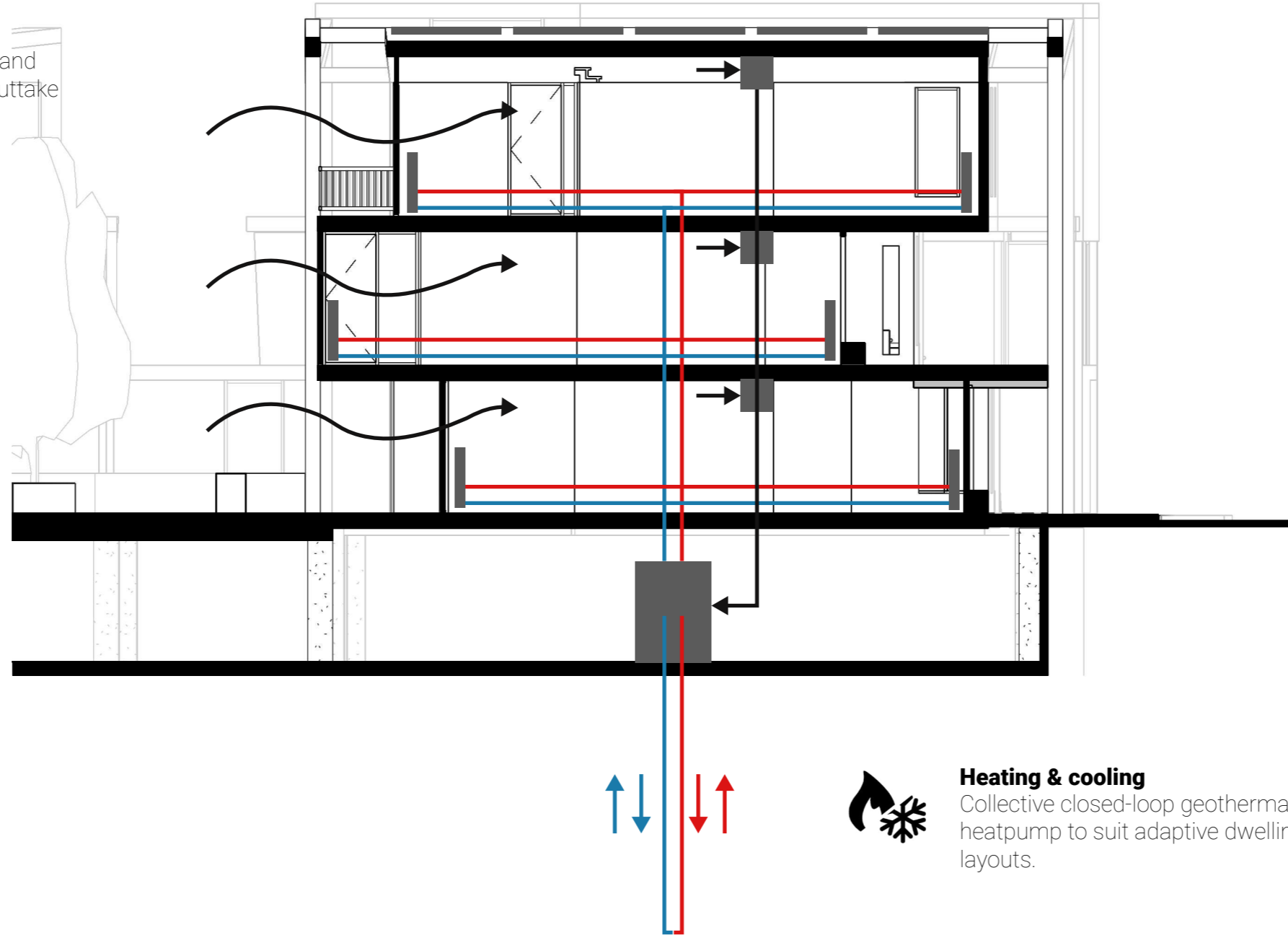



4-03 Cross section  
1:50

 **Rain water**  
collect rain water to use as grey water in apartments

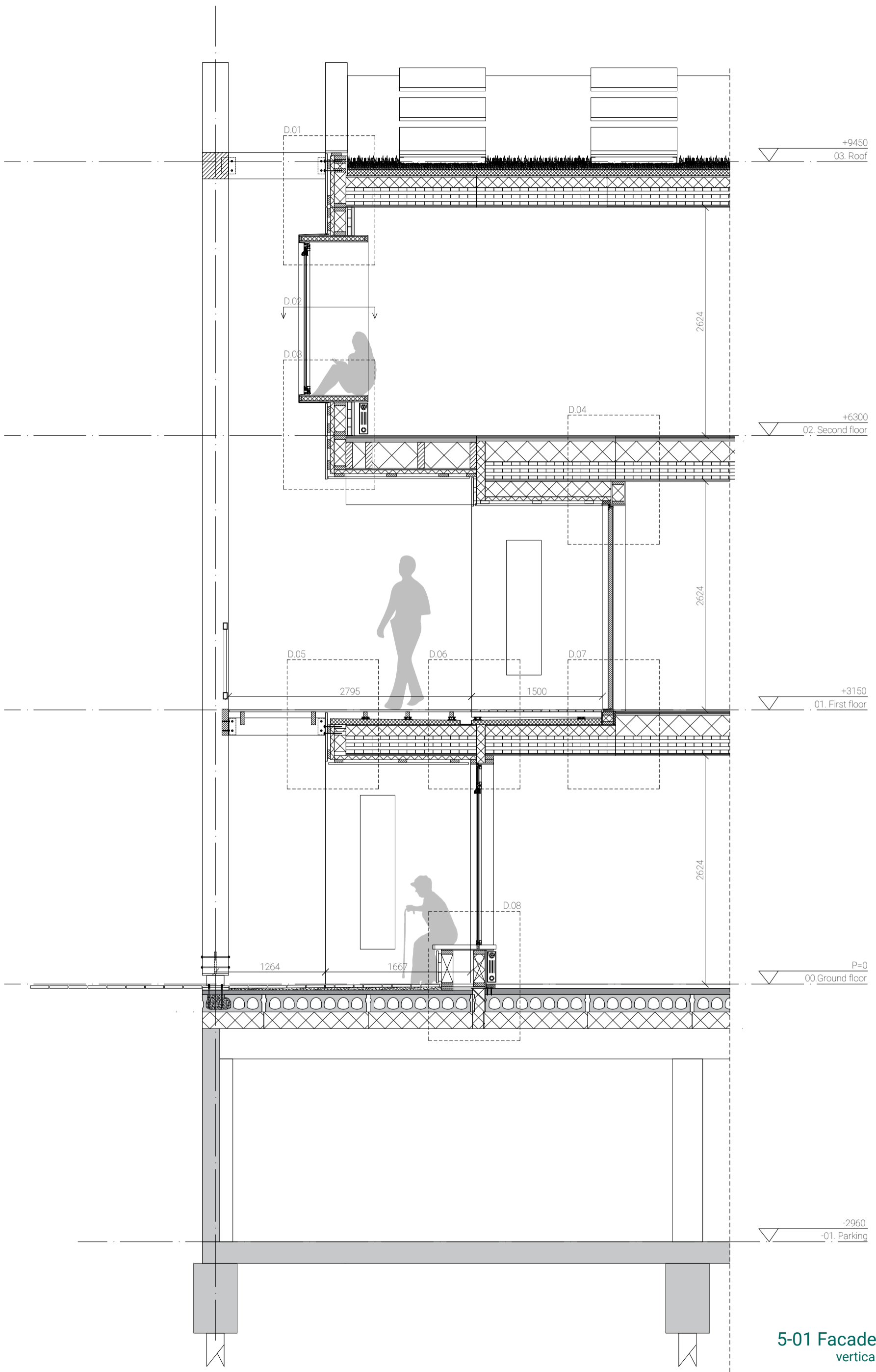
 **Energy**  
Implement solar panels in roof to generate electrical energy and use for additional heating

 **Ventilation**  
Natural ventilation intake for healthy and natural indoor climate. Mechanical outtake with heat recovery.



 **Heating & cooling**  
Collective closed-loop geothermal heatpump to suit adaptive dwelling layouts.

## 4-04 Section sustainability



**5-01 Facade fragment**  
vertical section, 1:20

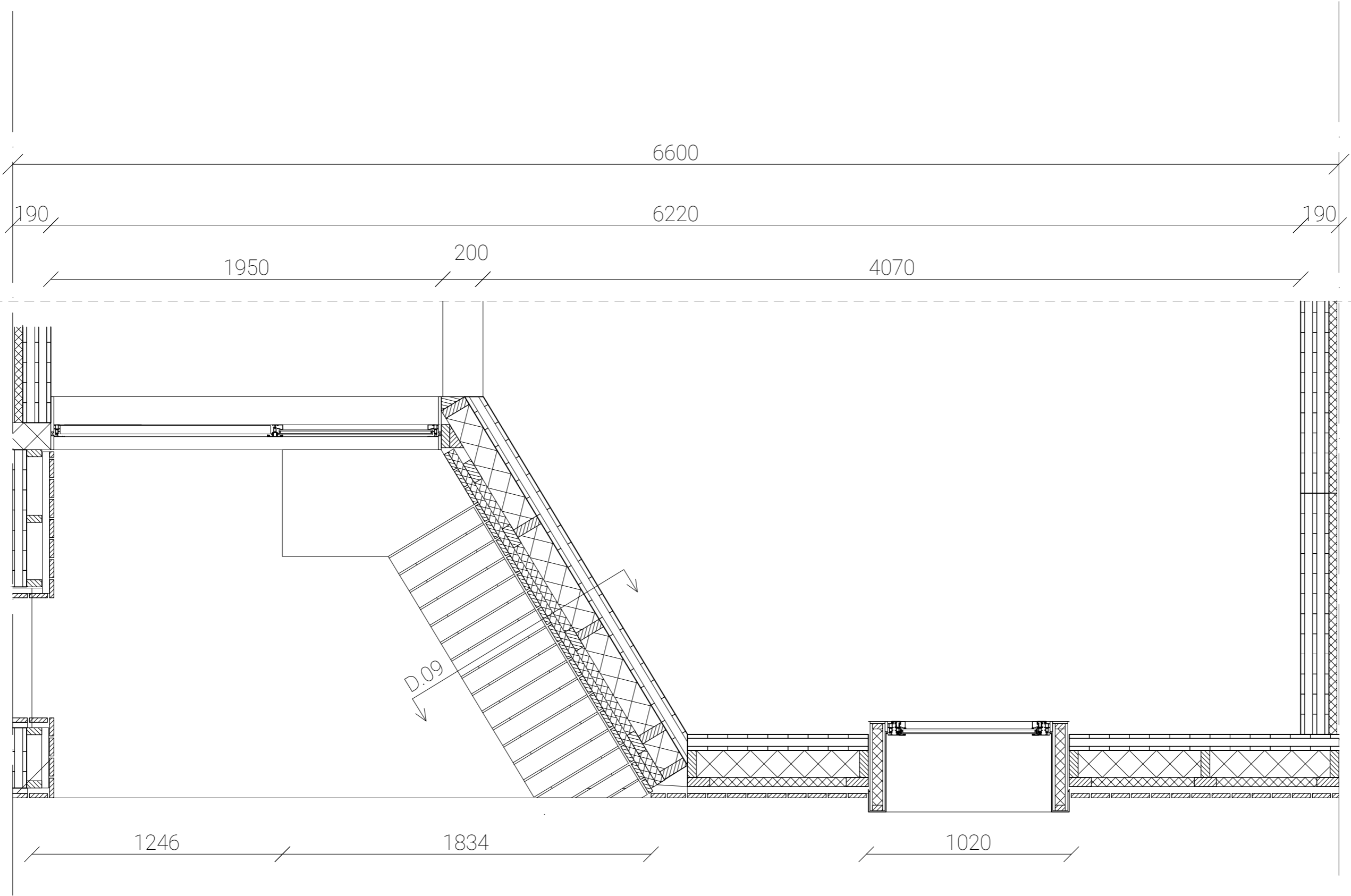
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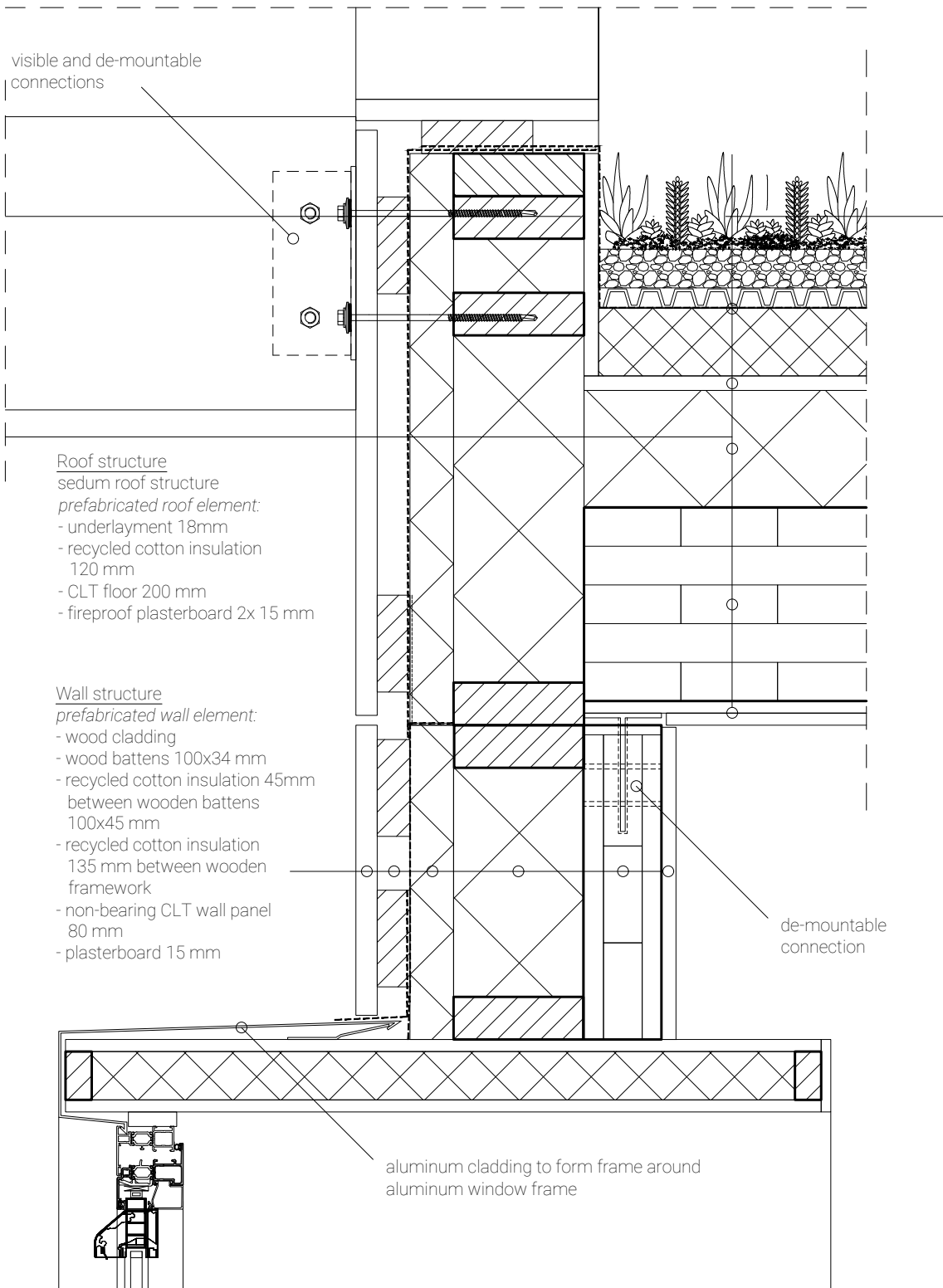
**5-02 Facade fragment**  
 elevation, 1:20

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**5-03 Facade fragment**  
 horizontal section, 1:20

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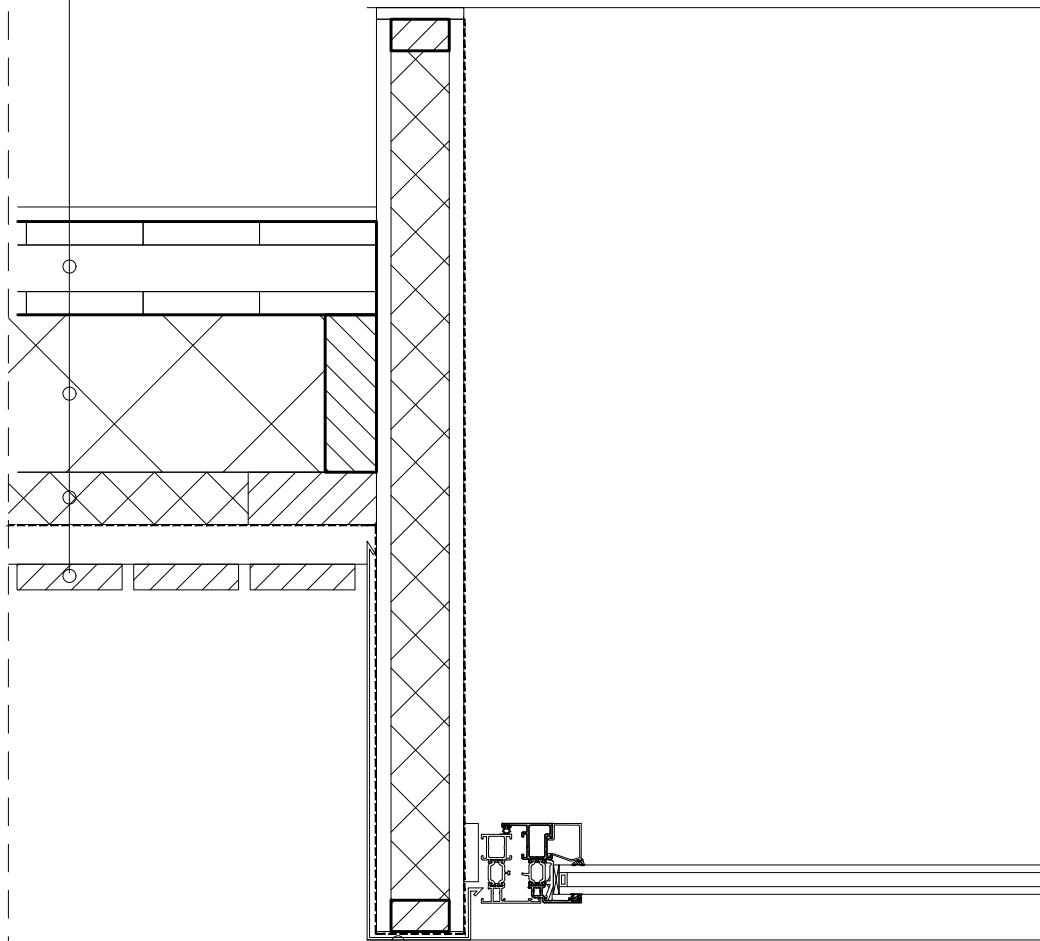


D.01  
 1:5

Wall structure

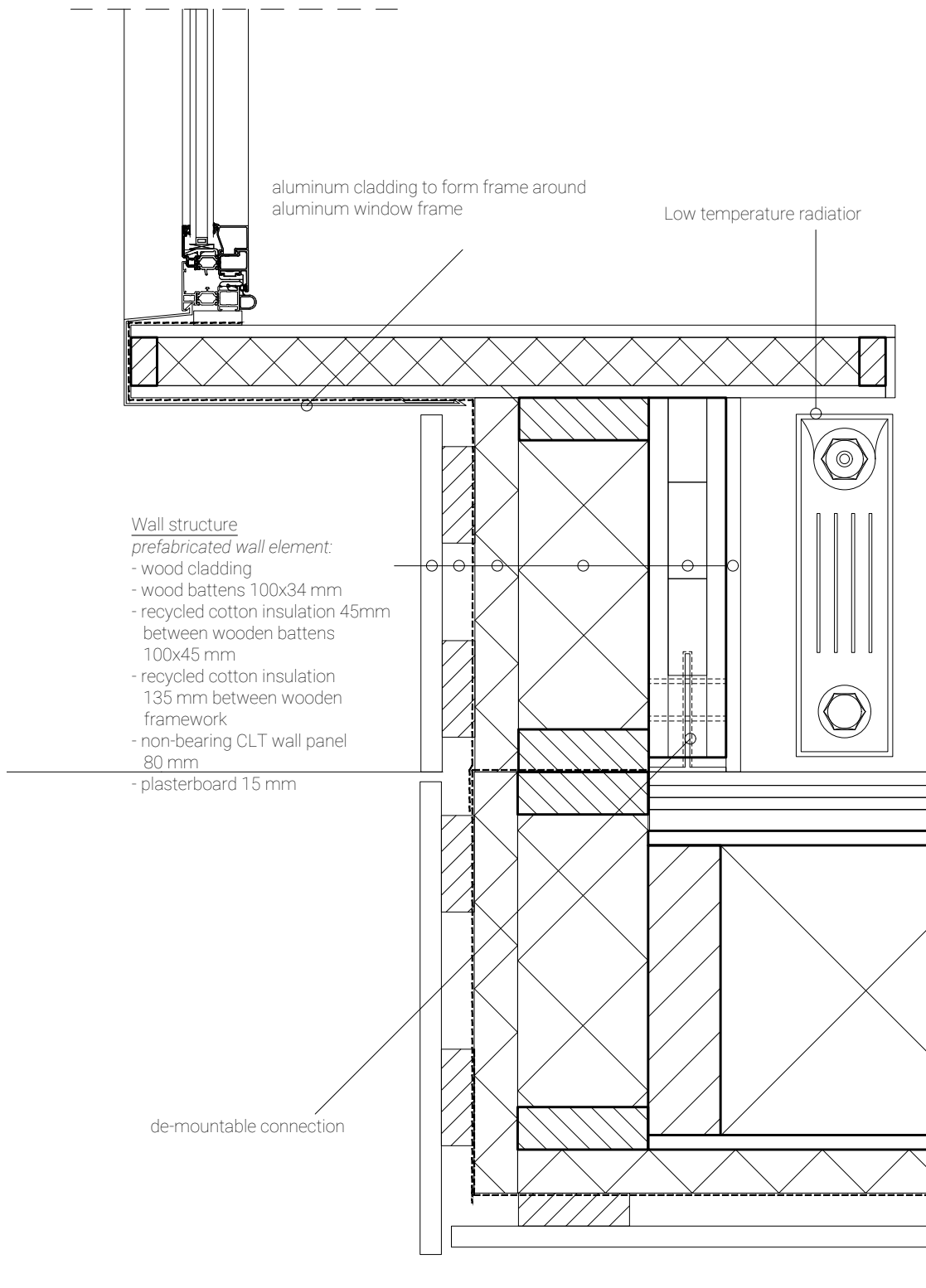
*prefabricated wall element:*

- wood cladding
- wood battens 100x34 mm
- recycled cotton insulation 45mm between wooden battens 100x45 mm
- recycled cotton insulation 135 mm between wooden framework
- non-bearing CLT wall panel 80 mm
- plasterboard 15 mm

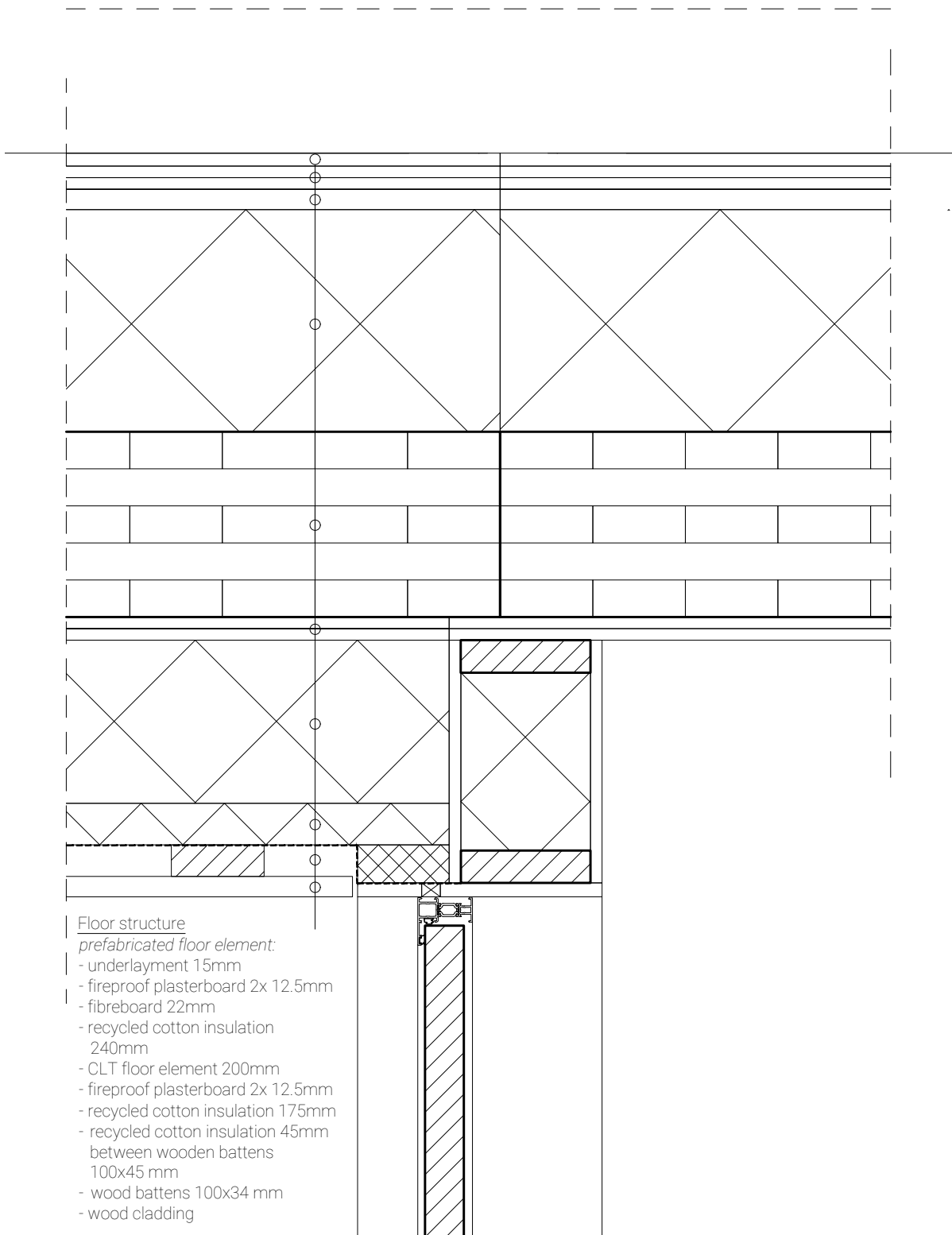


aluminum cladding to form frame around aluminum window frame

D.02  
1:5

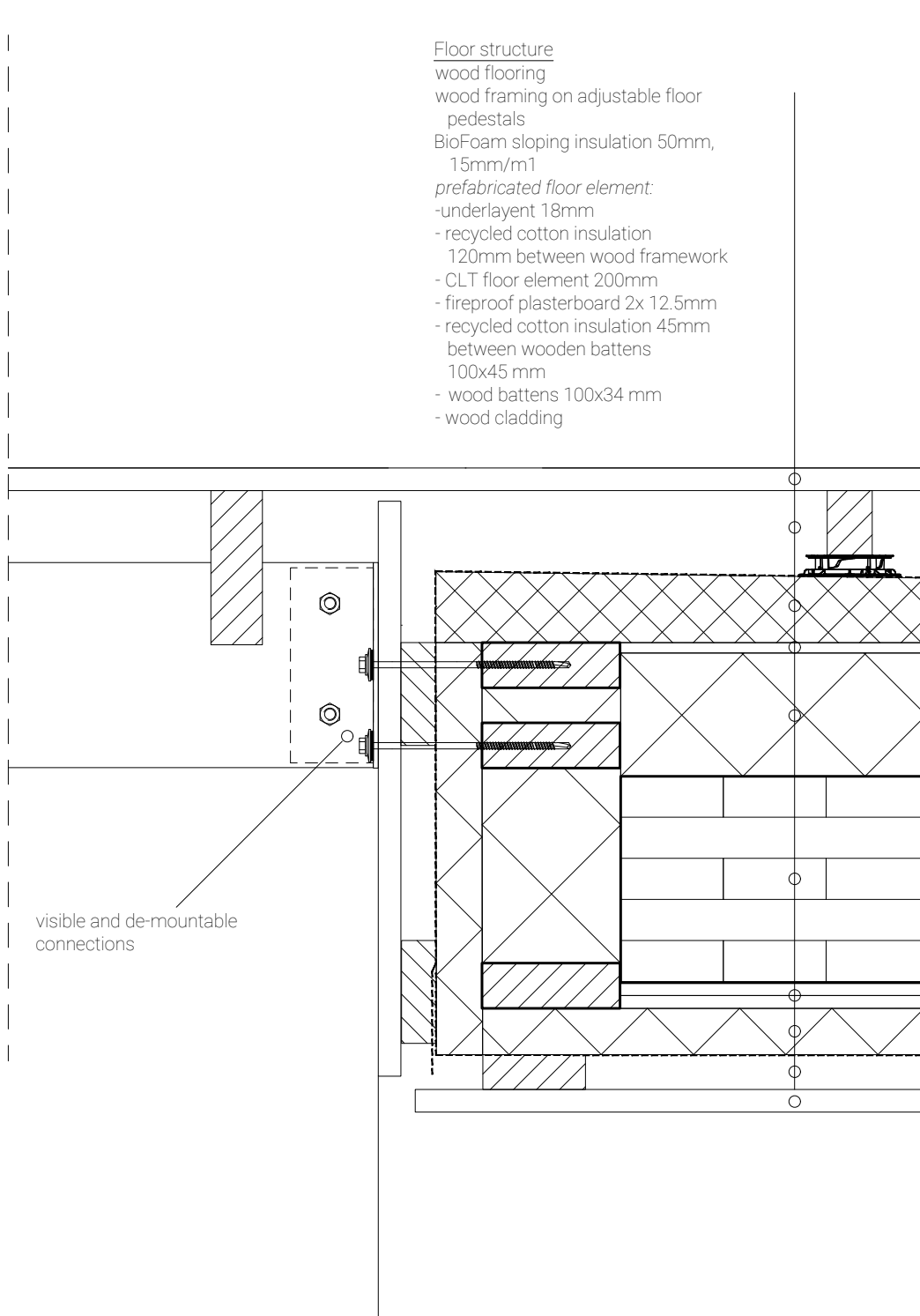


D.03  
 1:5



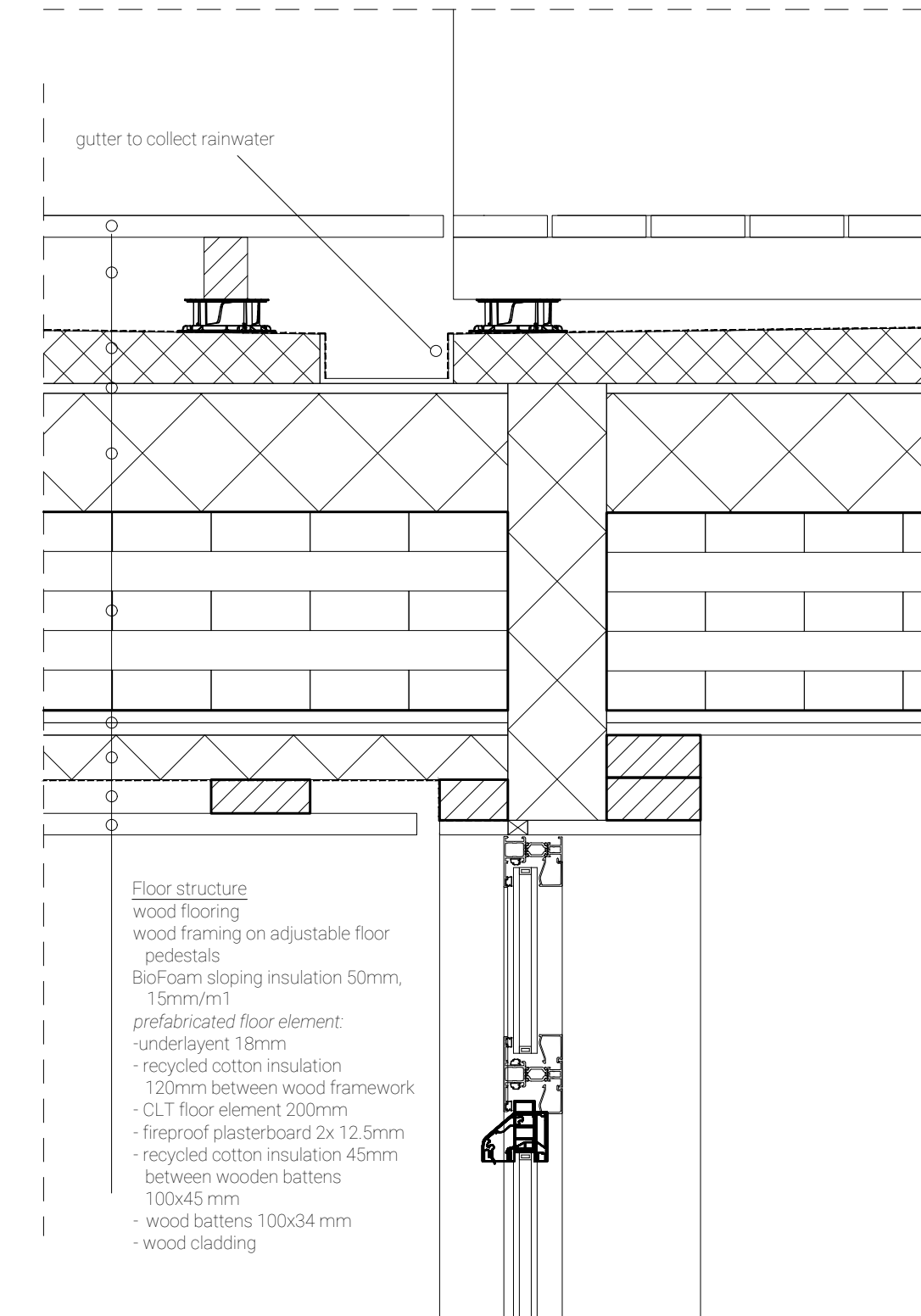
**D.04**  
**1:5**

Floor structure  
 wood flooring  
 wood framing on adjustable floor  
 pedestals  
 BioFoam sloping insulation 50mm,  
 15mm/m1  
*prefabricated floor element:*  
 - underlayment 18mm  
 - recycled cotton insulation  
 120mm between wood framework  
 - CLT floor element 200mm  
 - fireproof plasterboard 2x 12.5mm  
 - recycled cotton insulation 45mm  
 between wooden battens  
 100x45 mm  
 - wood battens 100x34 mm  
 - wood cladding



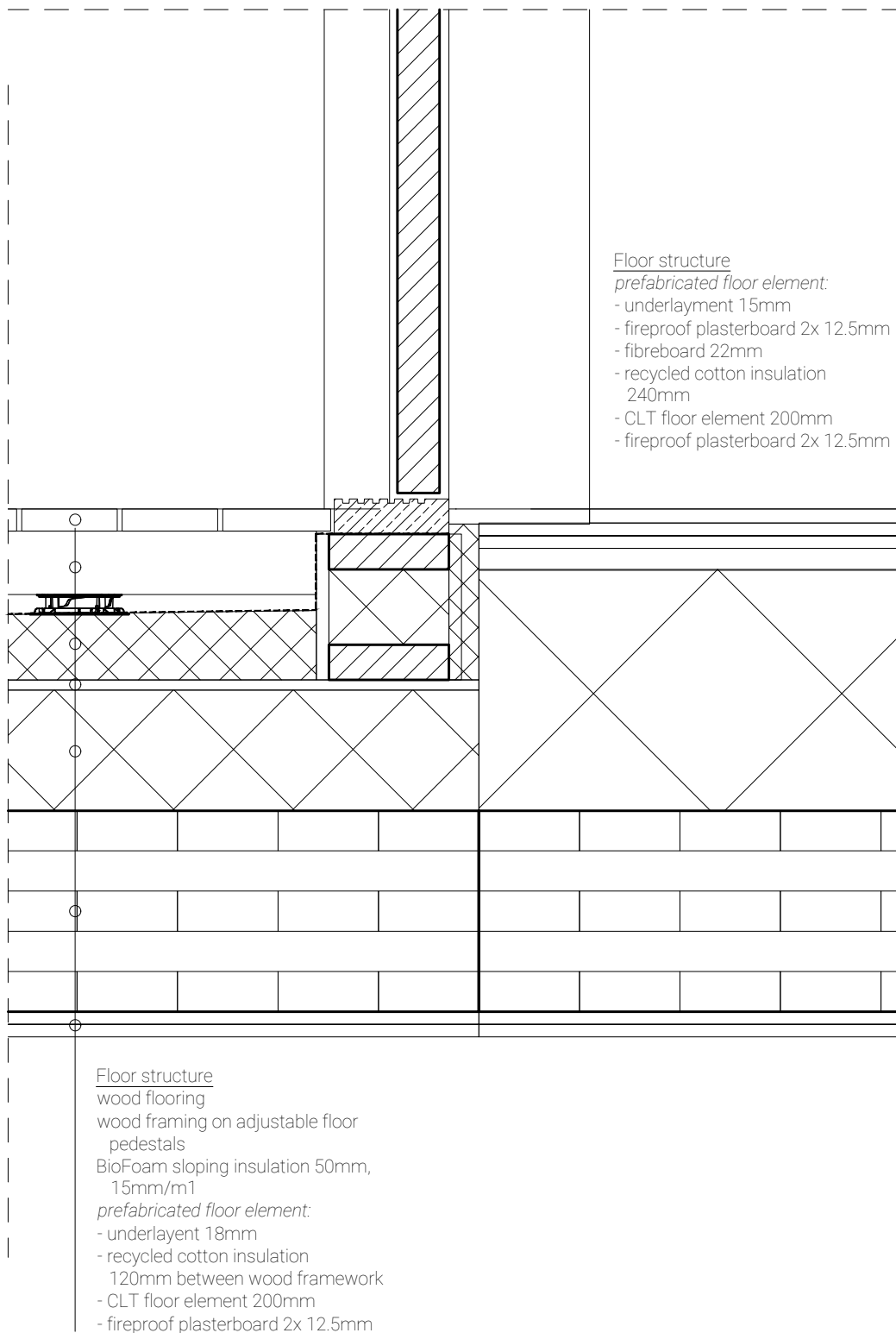
visible and de-mountable connections

**D.05**  
**1:5**

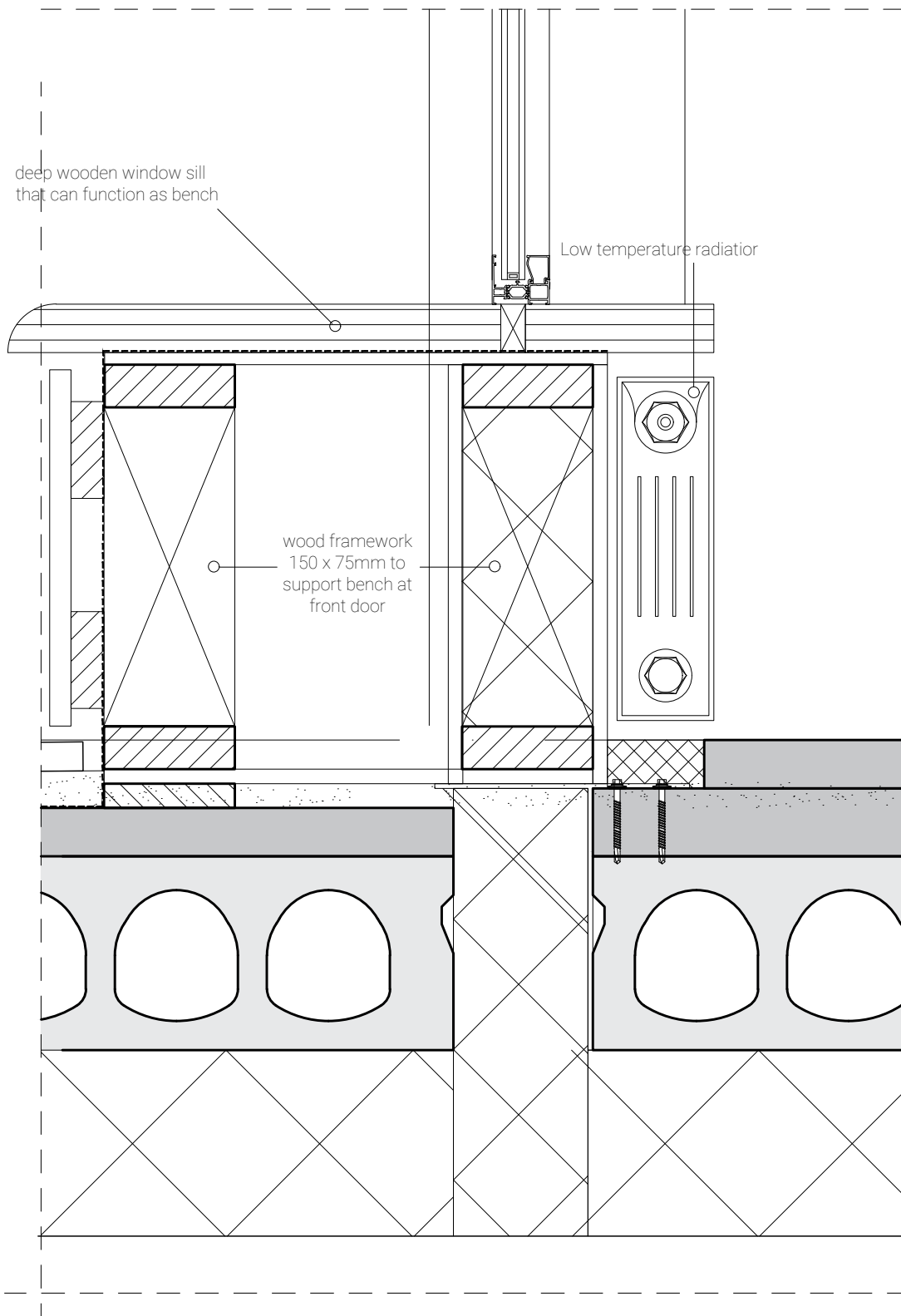


D.06  
1:5

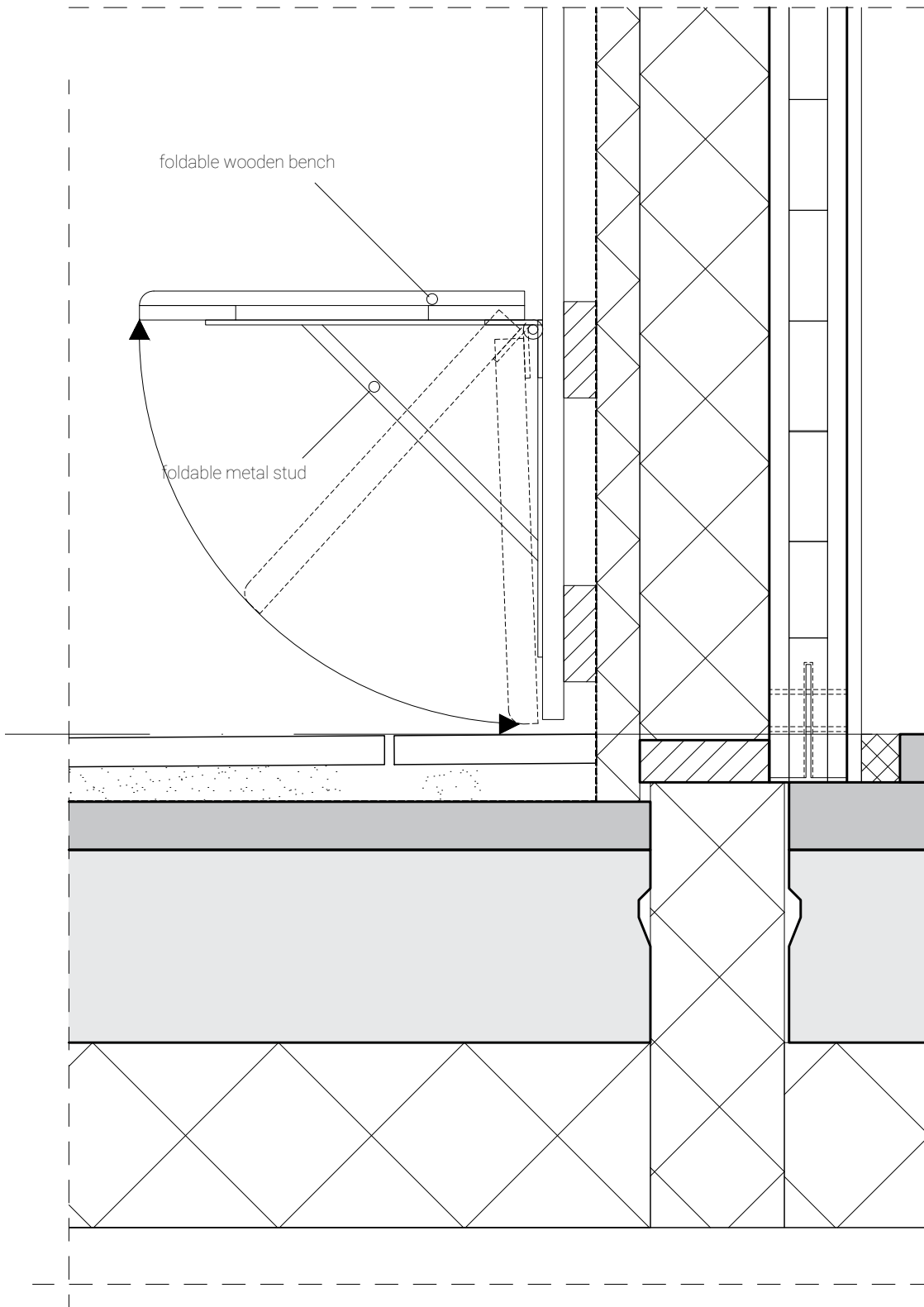




**D.07**  
**1:5**



**D.08**  
**1:5**



D.09  
1:5