

NeighbourFOOD

Raising food awareness in the future city

Drawing Booklet





BUILDING

NeighbourFOOD

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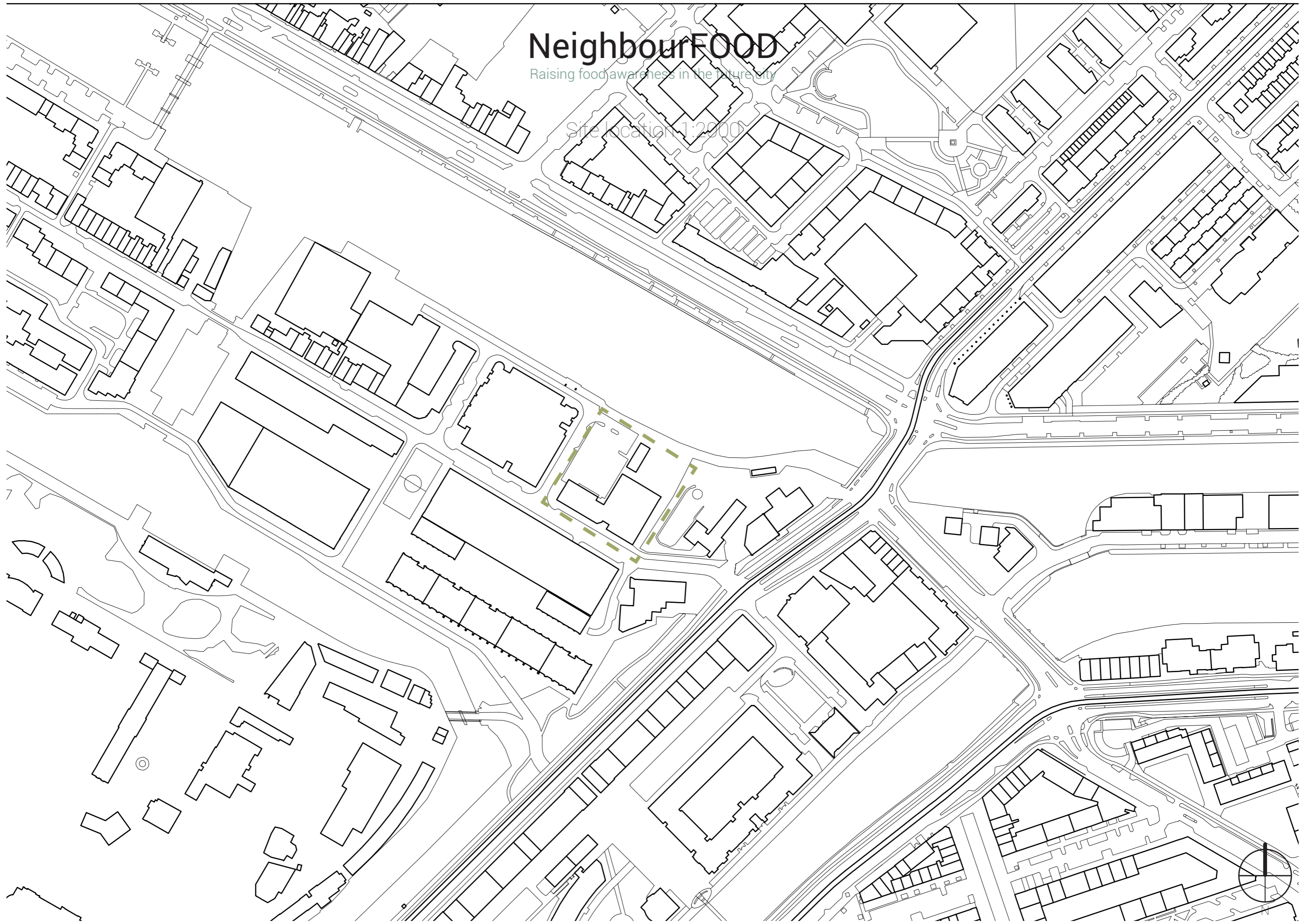
Site location

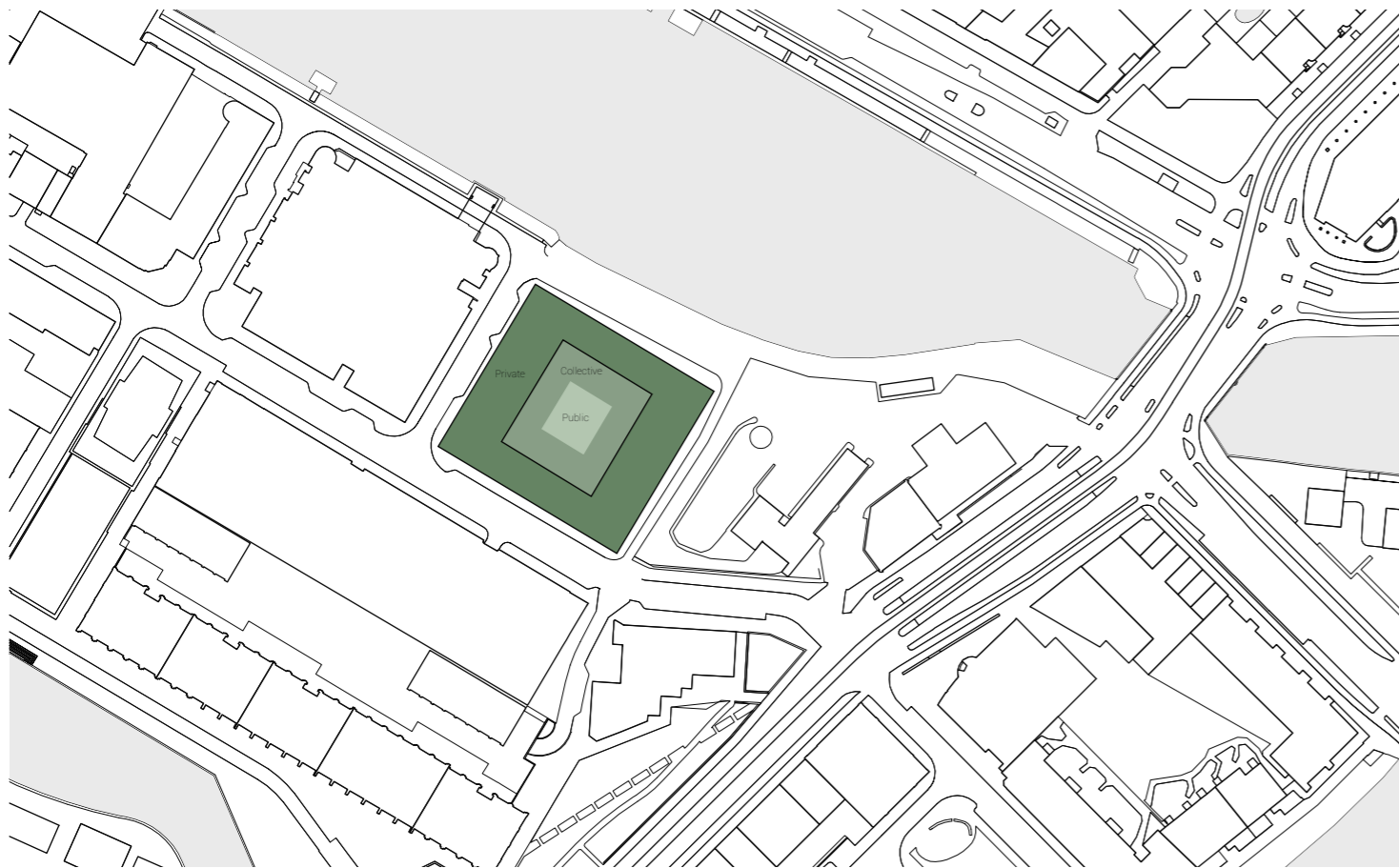


NeighbourFOOD

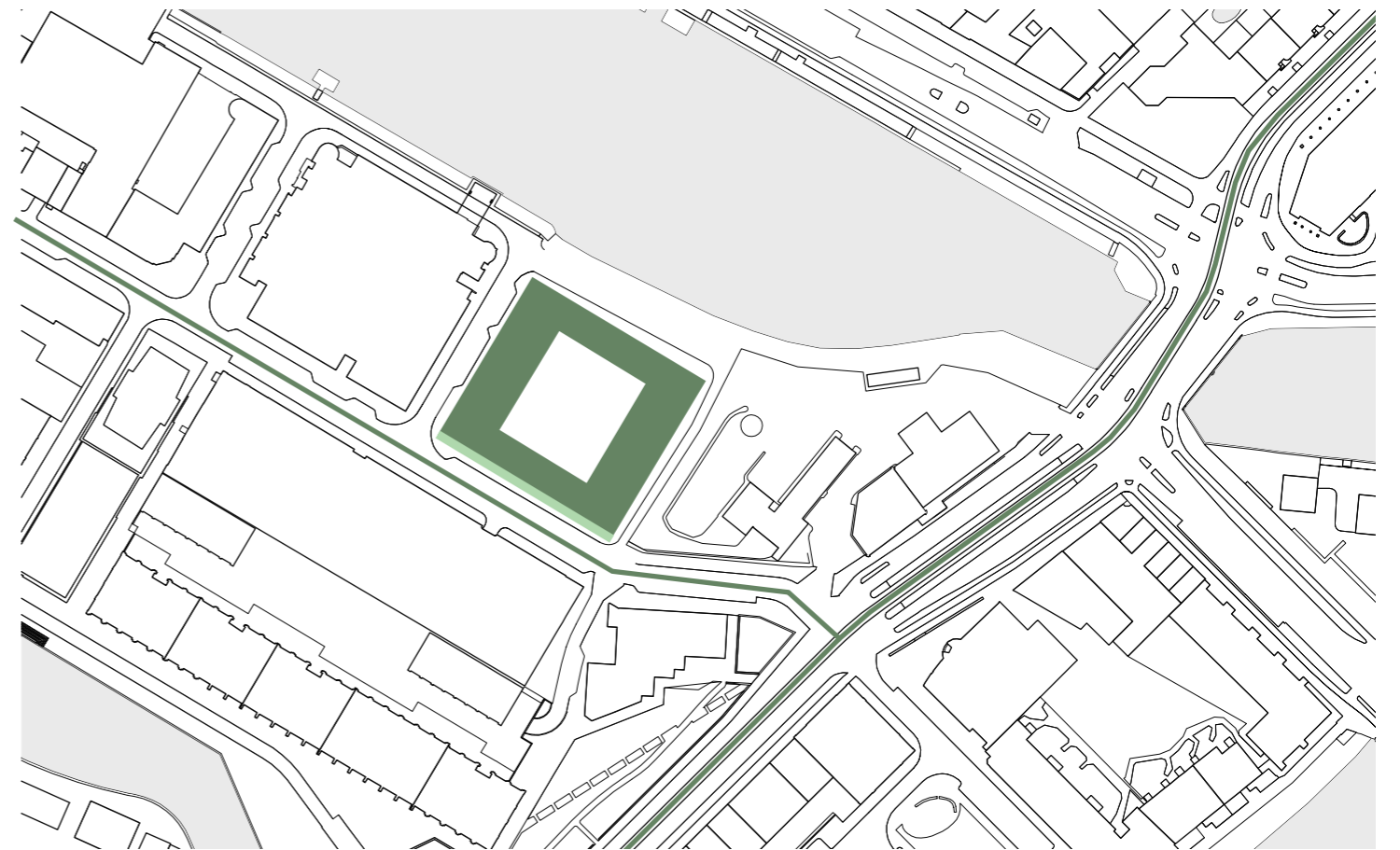
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Site location 1:20000

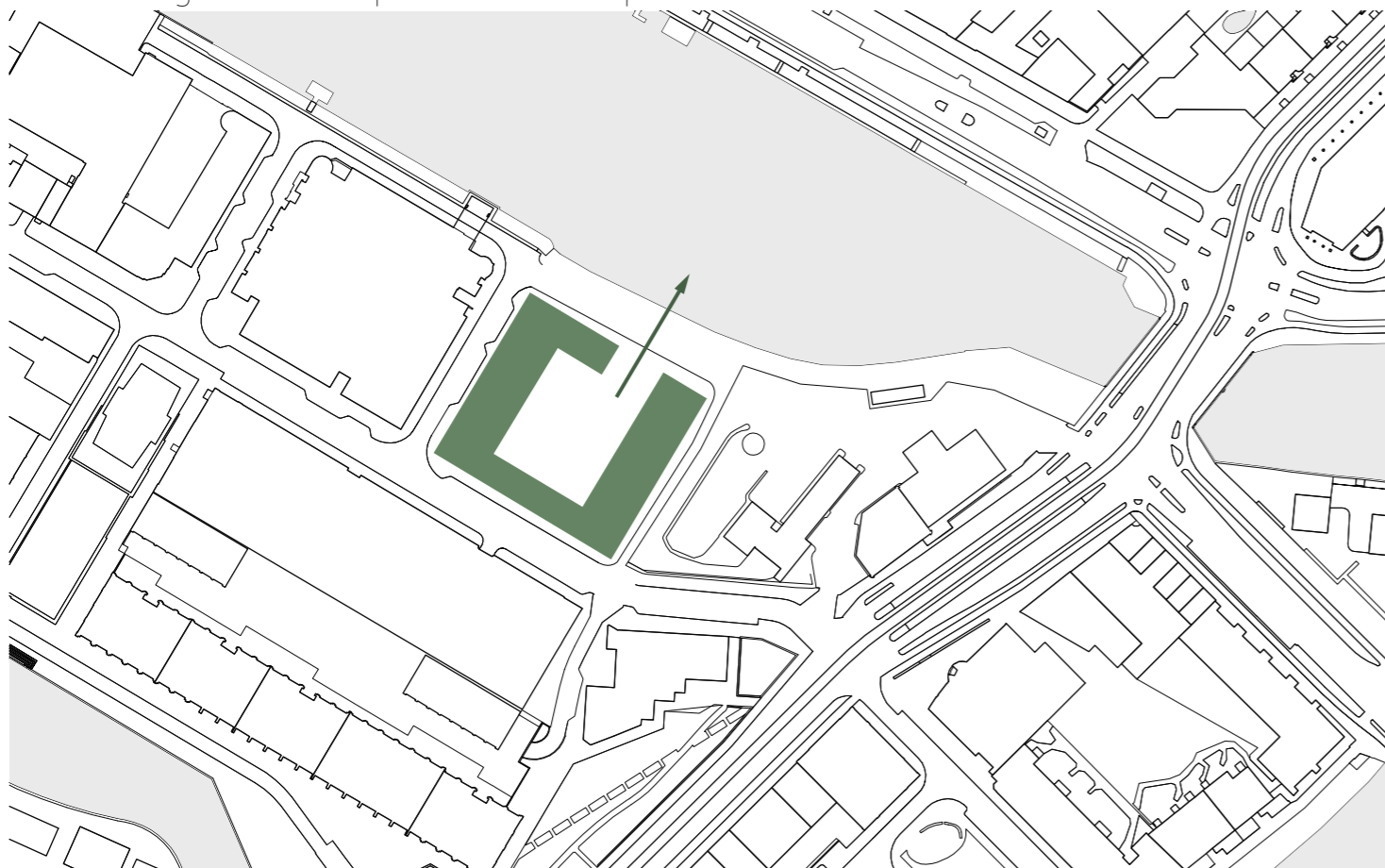




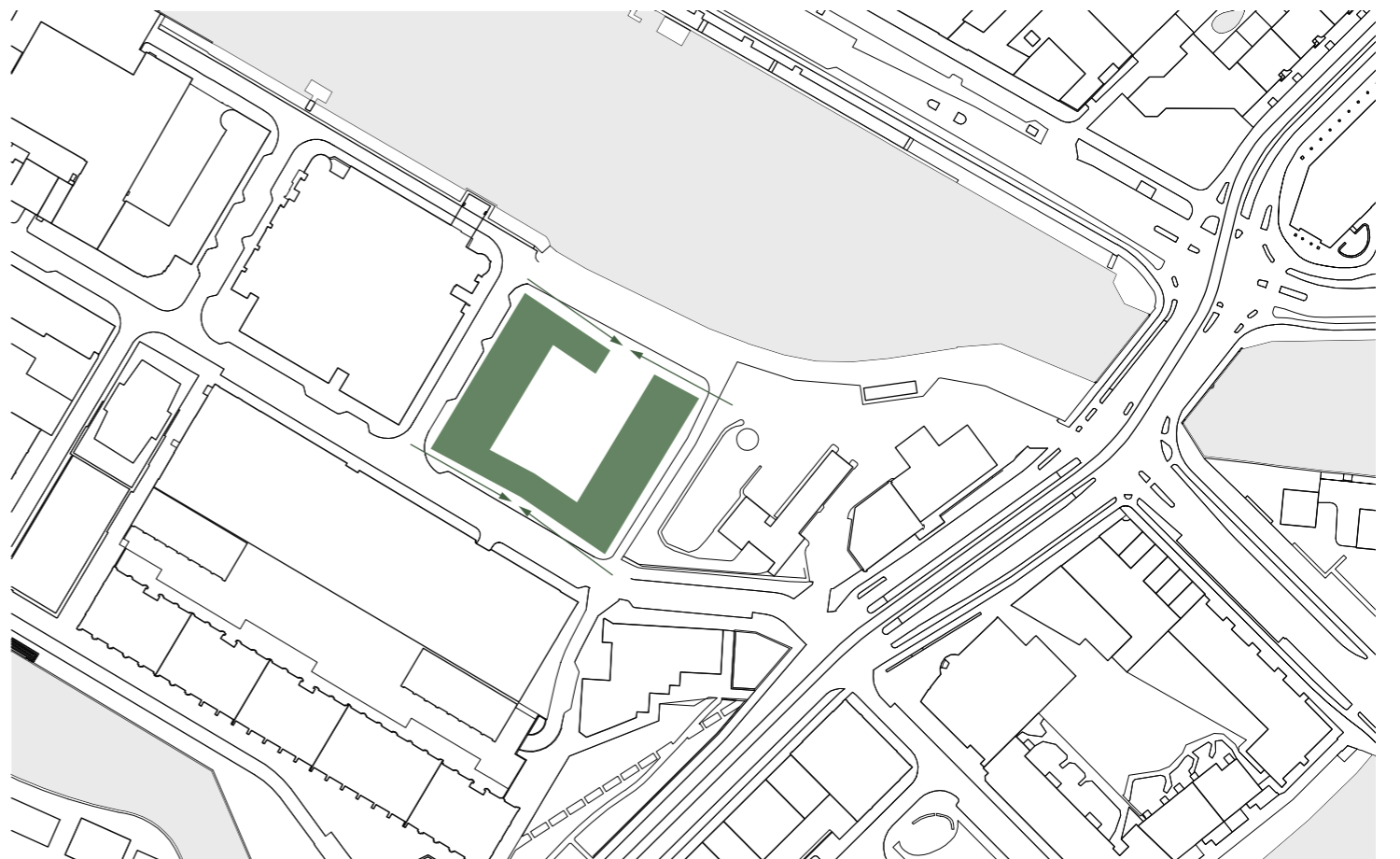
The form of the building emerged from the traditional block which is evident in the area but another reason to do so was in order to create different levels of privacy and collectivity. The building follows the perimeter of the plot.



The street side of the building takes a more public character by creating a public plinth, to connect the building better with Sarphatistraat.



To create a connection with the water, the closed block opens up in that side.



. The building façades are getting slanted a little in order to accentuate the view-lines from the street side.

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Masterplan 1:1000



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Urban Plan 1:500



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Southeast elevation 1:200



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Northwest elevation 1:200



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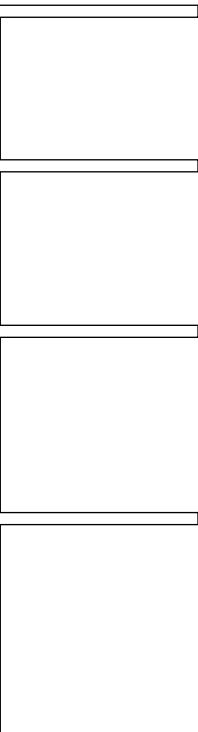
Northeast elevation 1:200



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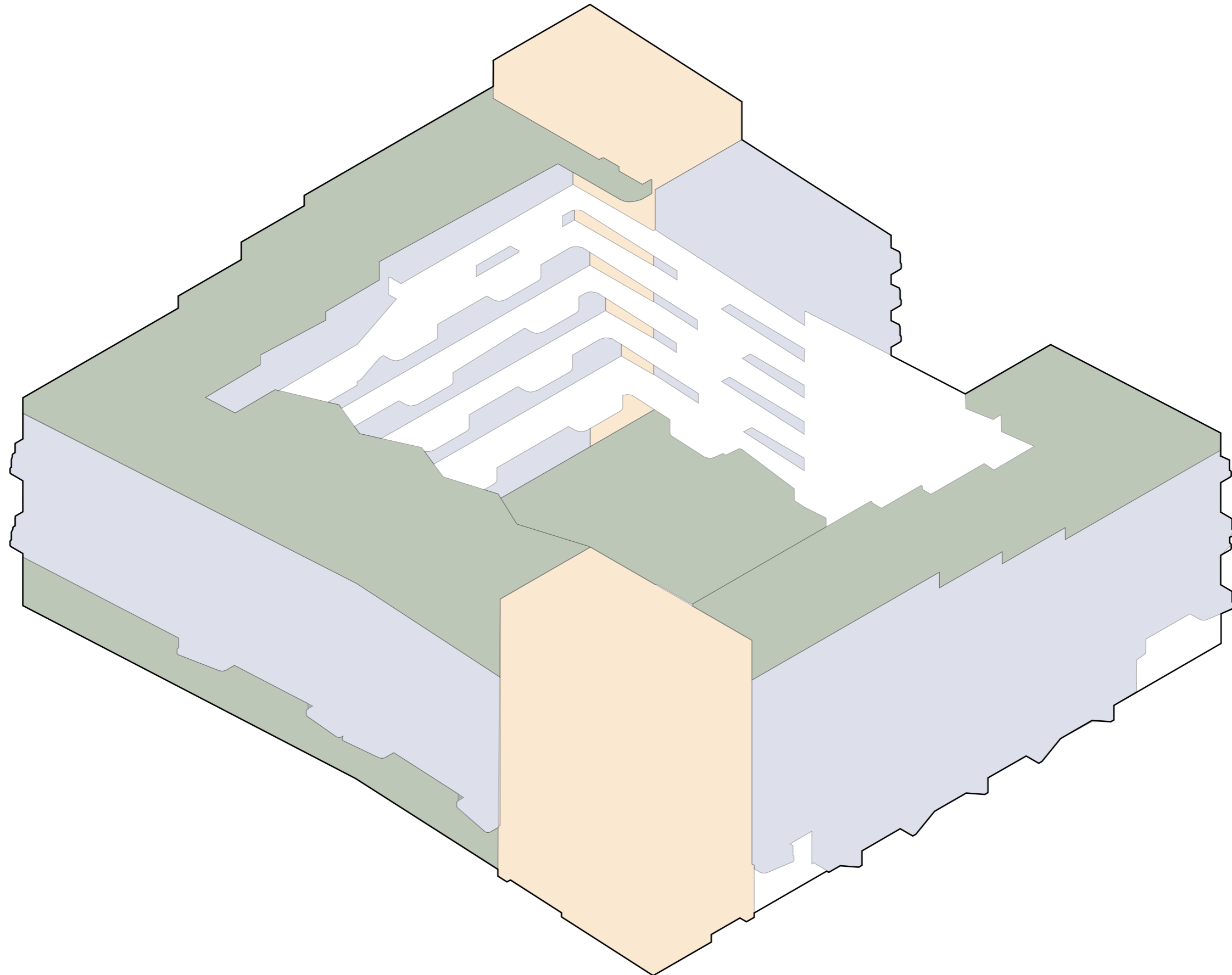
Southwest elevation 1:200



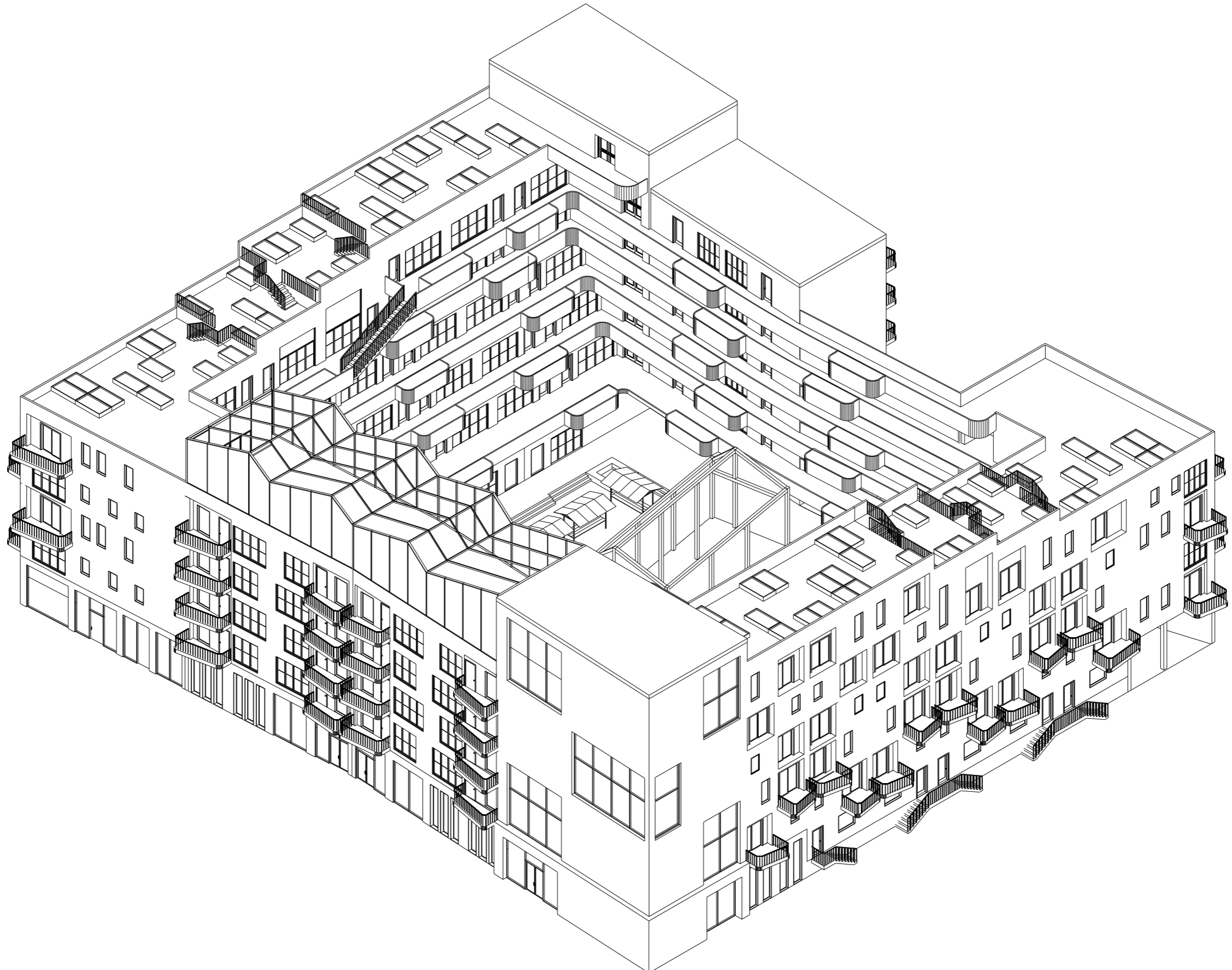
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Building organisation



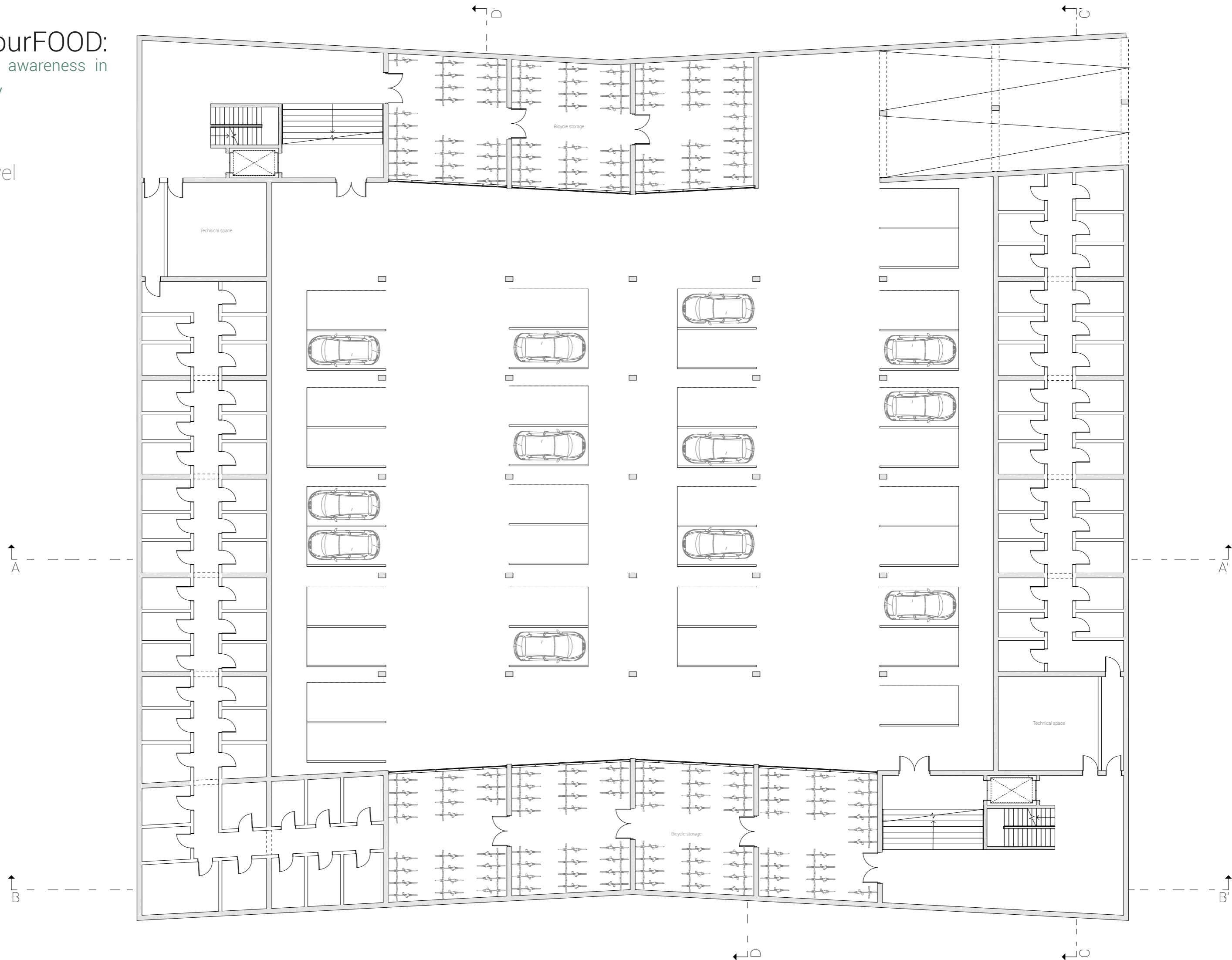
- Dwellings
- Circulation cores
- Food-based amenities



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Parking level
1:200



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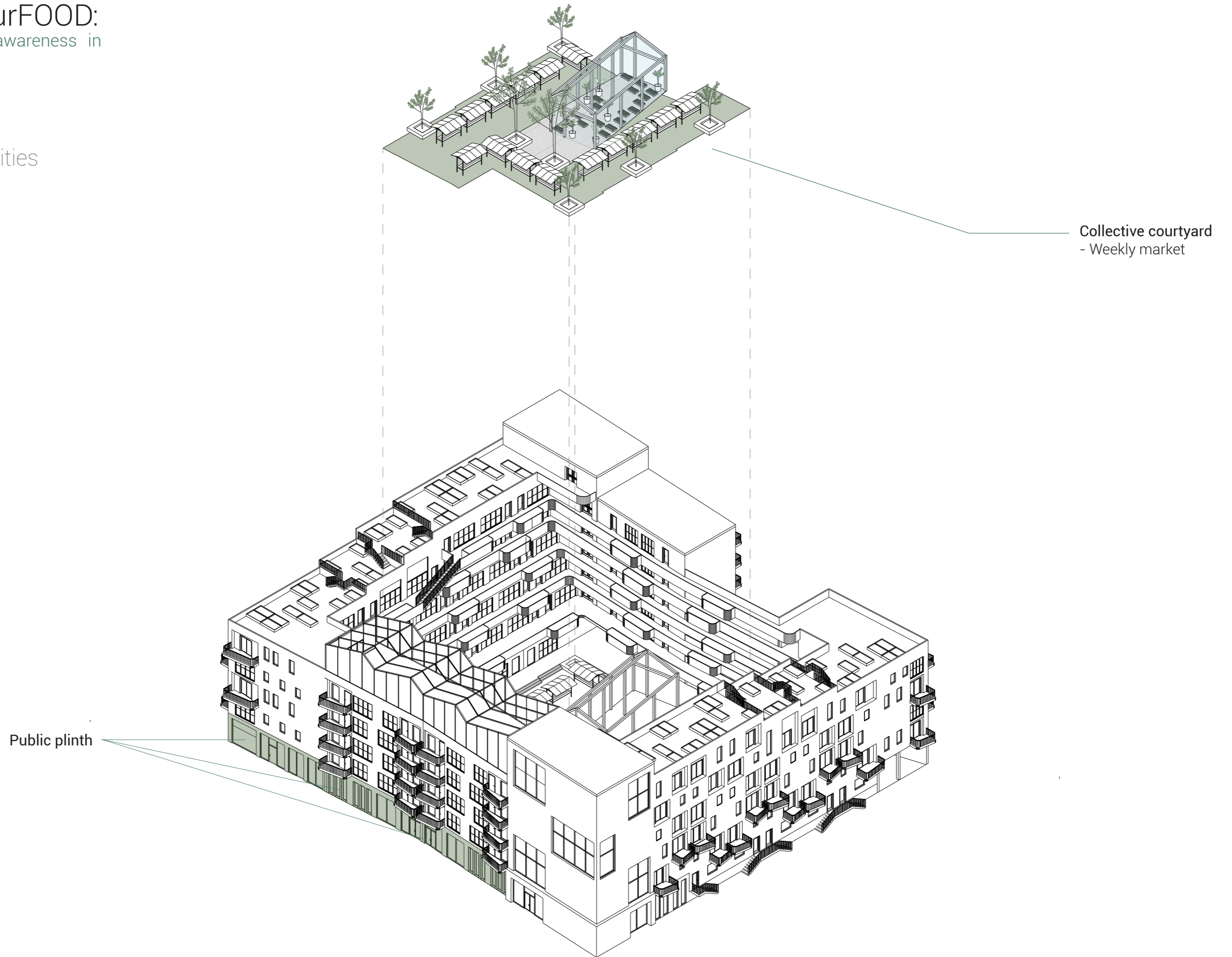
Plinth-Deck level
1:200

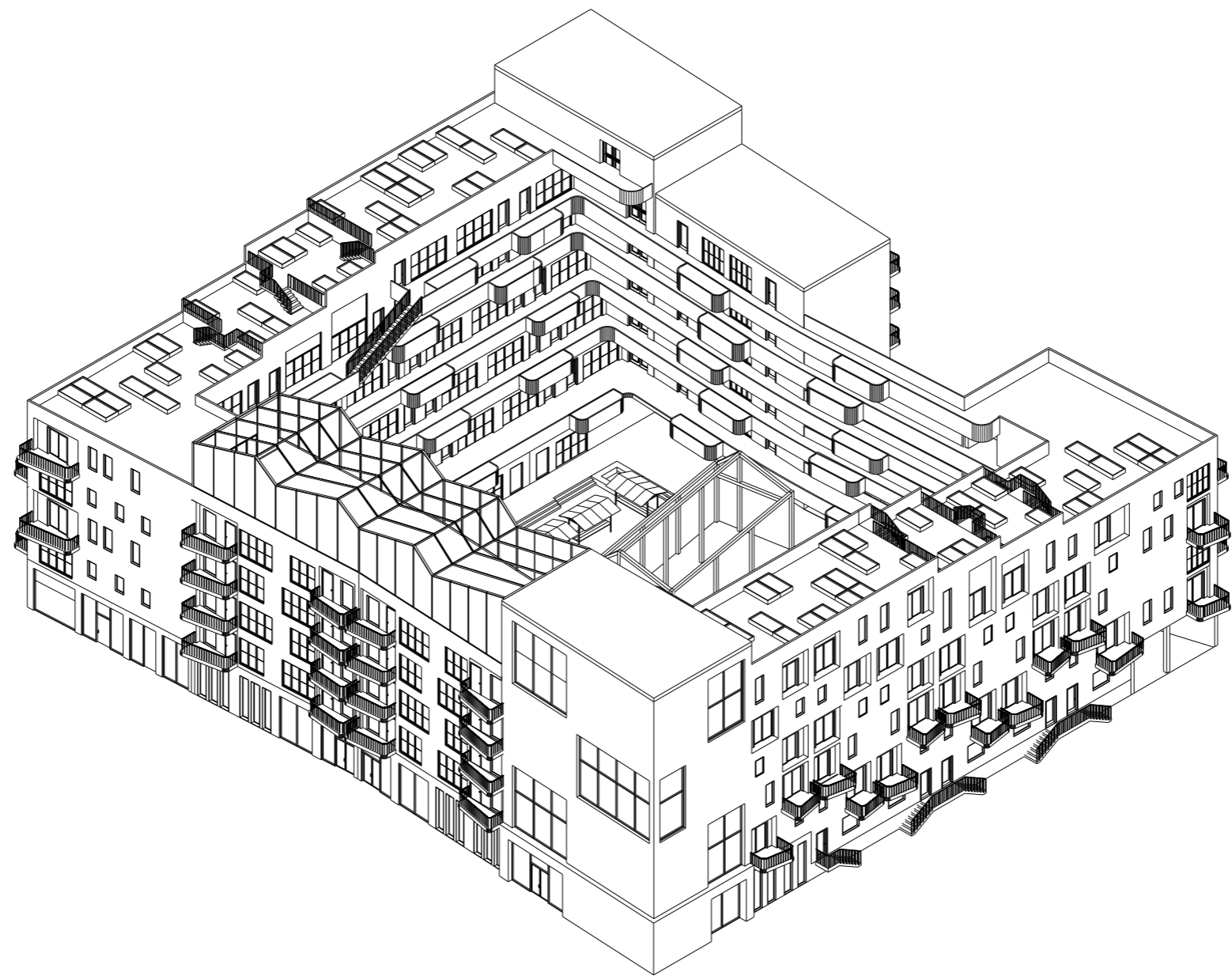


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Public amenities

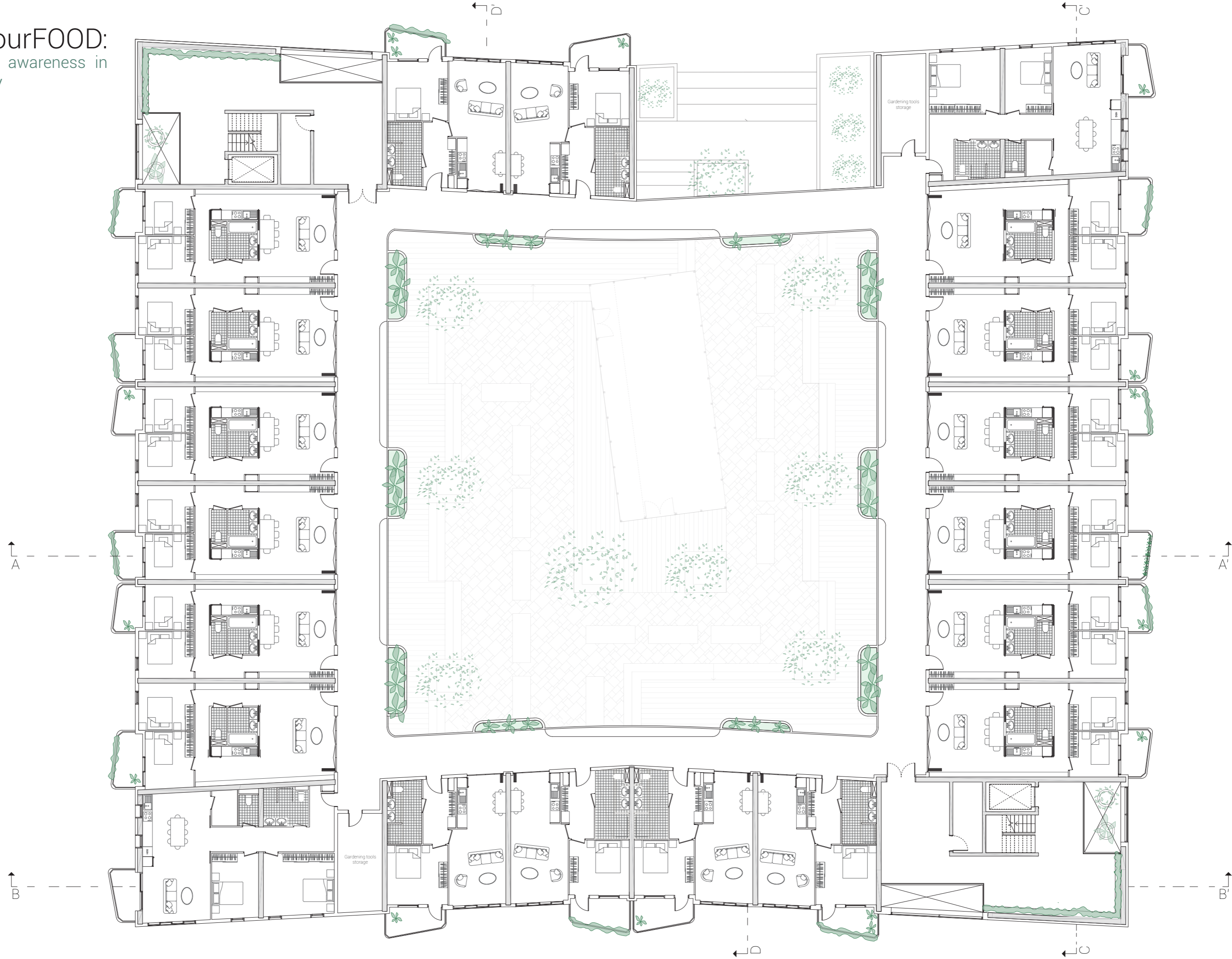




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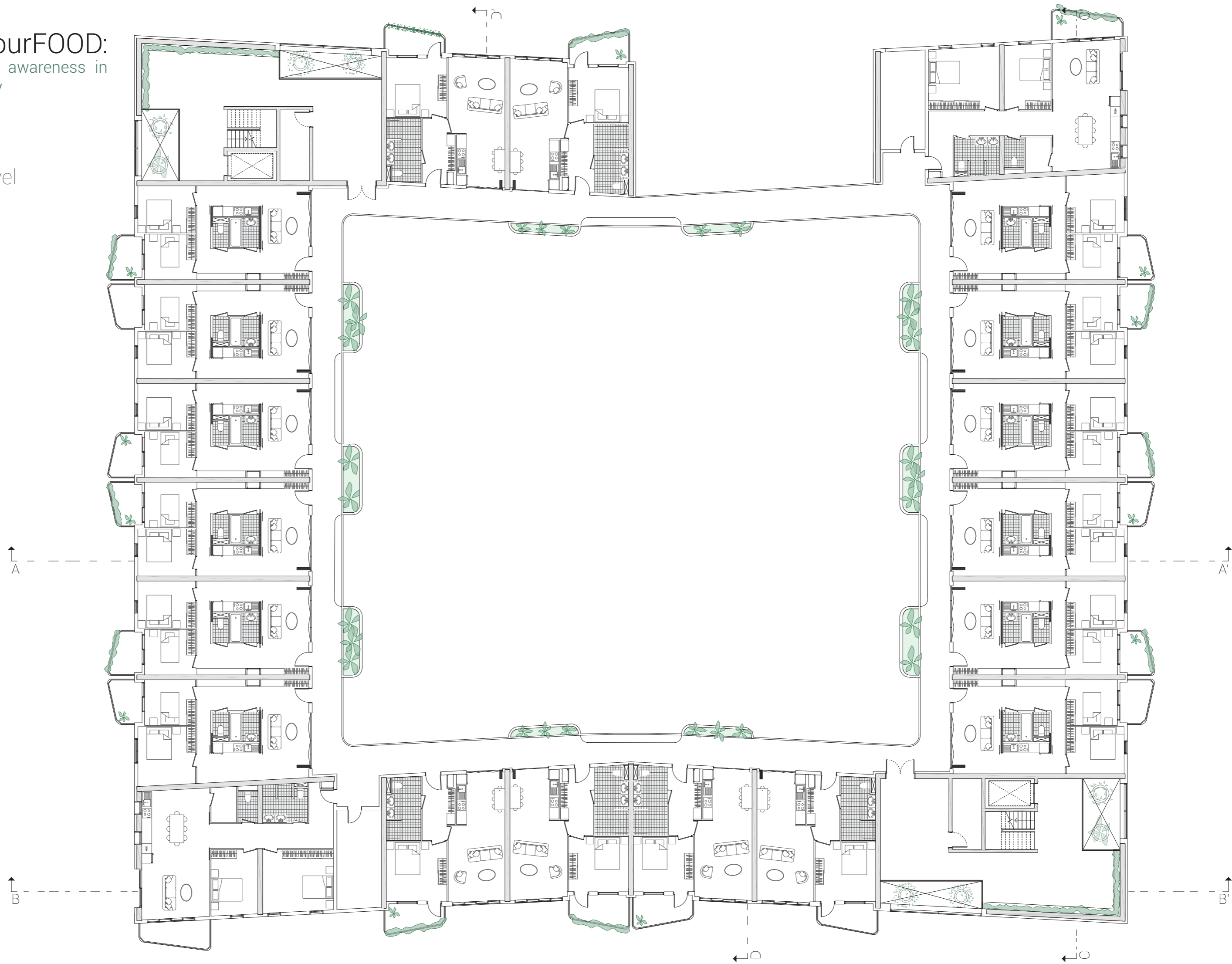
First level
1:200



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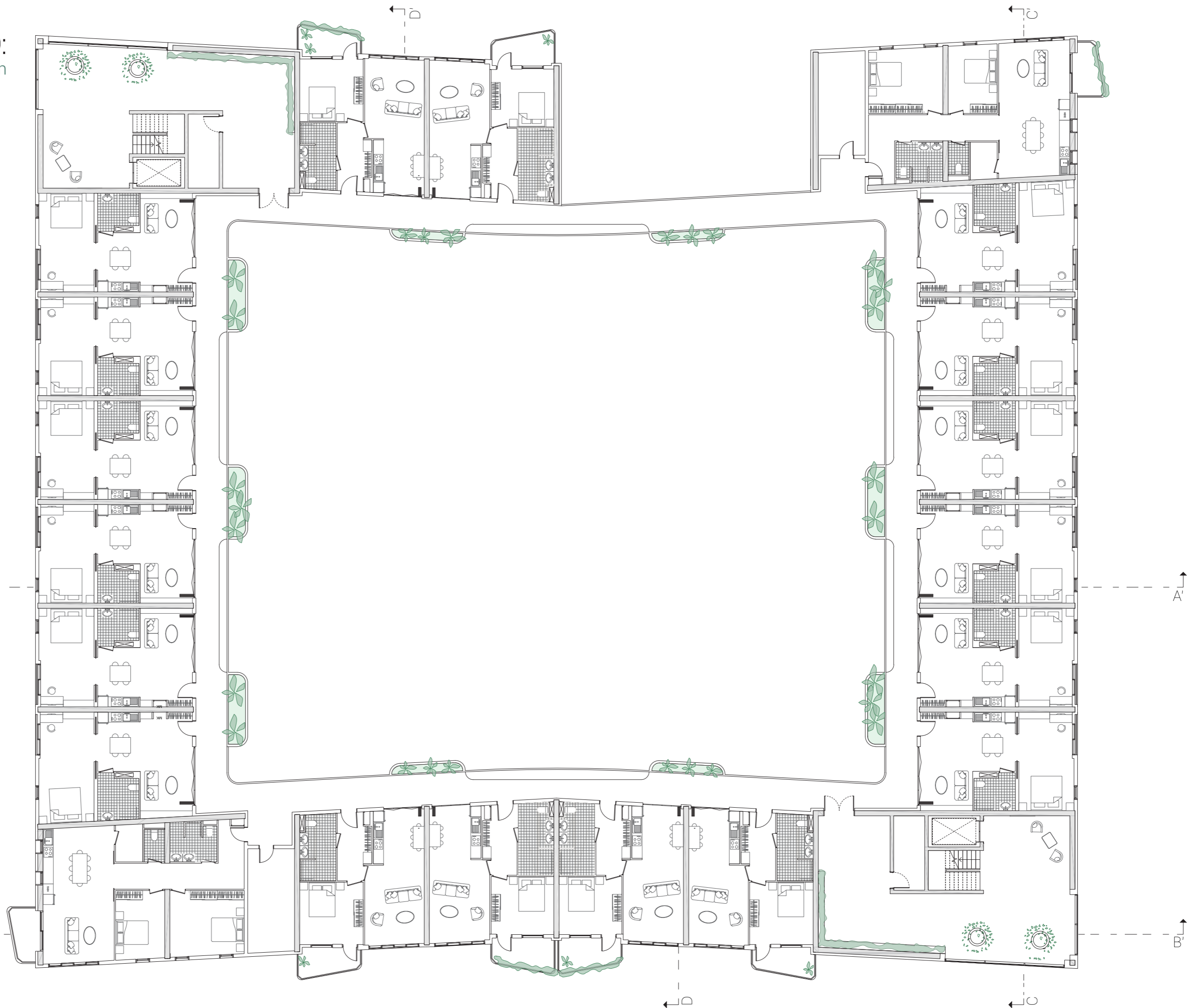
Second level
1:200



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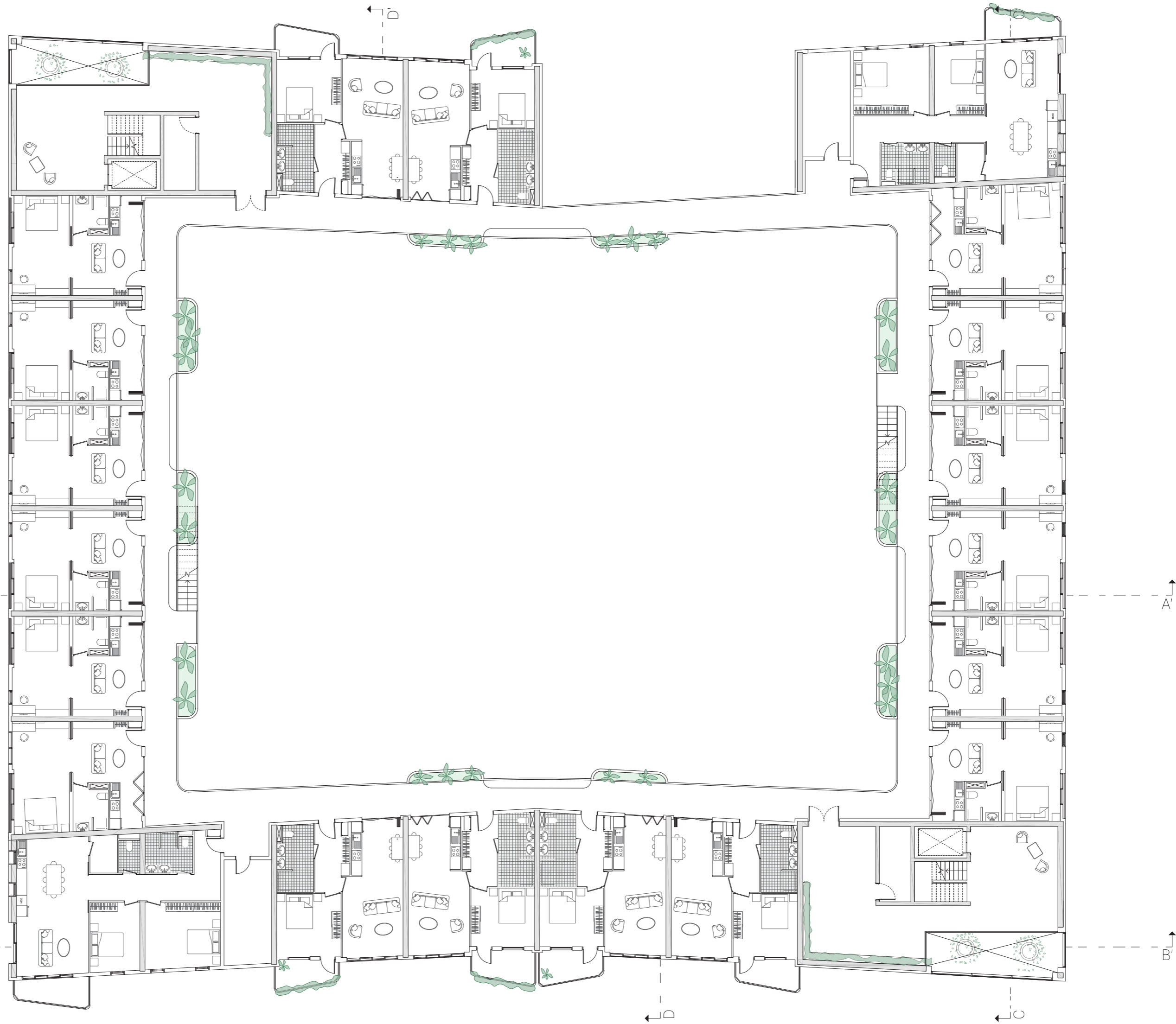
Third level
1:200



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Fourth level
1:200



NeighbourFOOD:

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Fifth level
1:200



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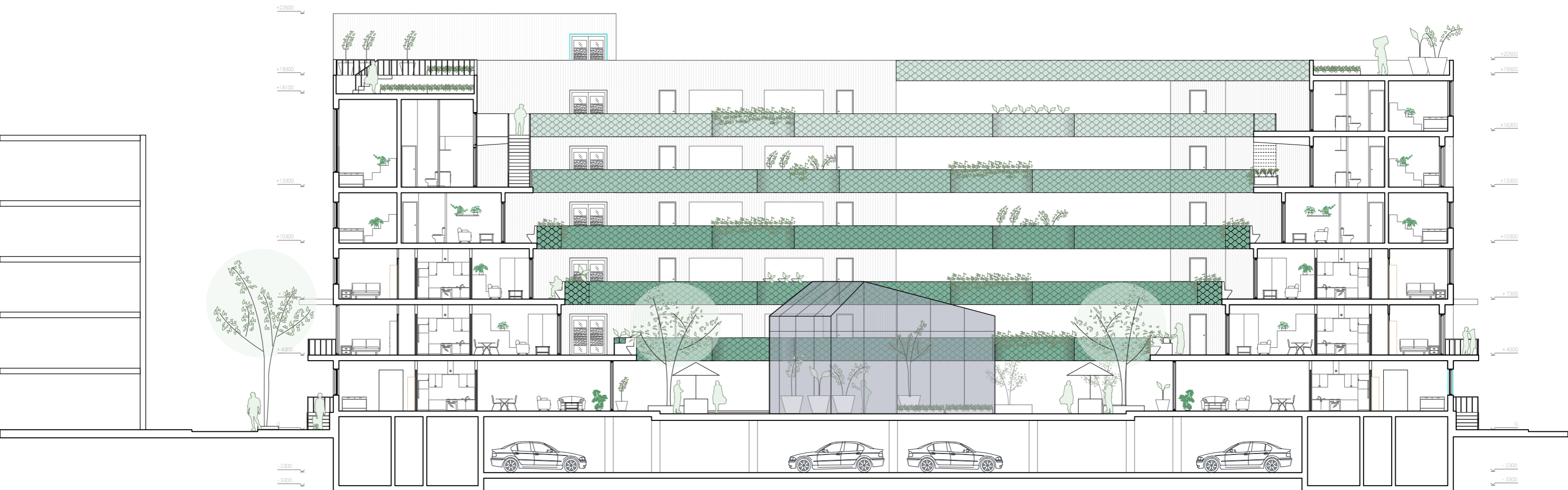
Roof level
1:200



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Building section A-A'
1:200



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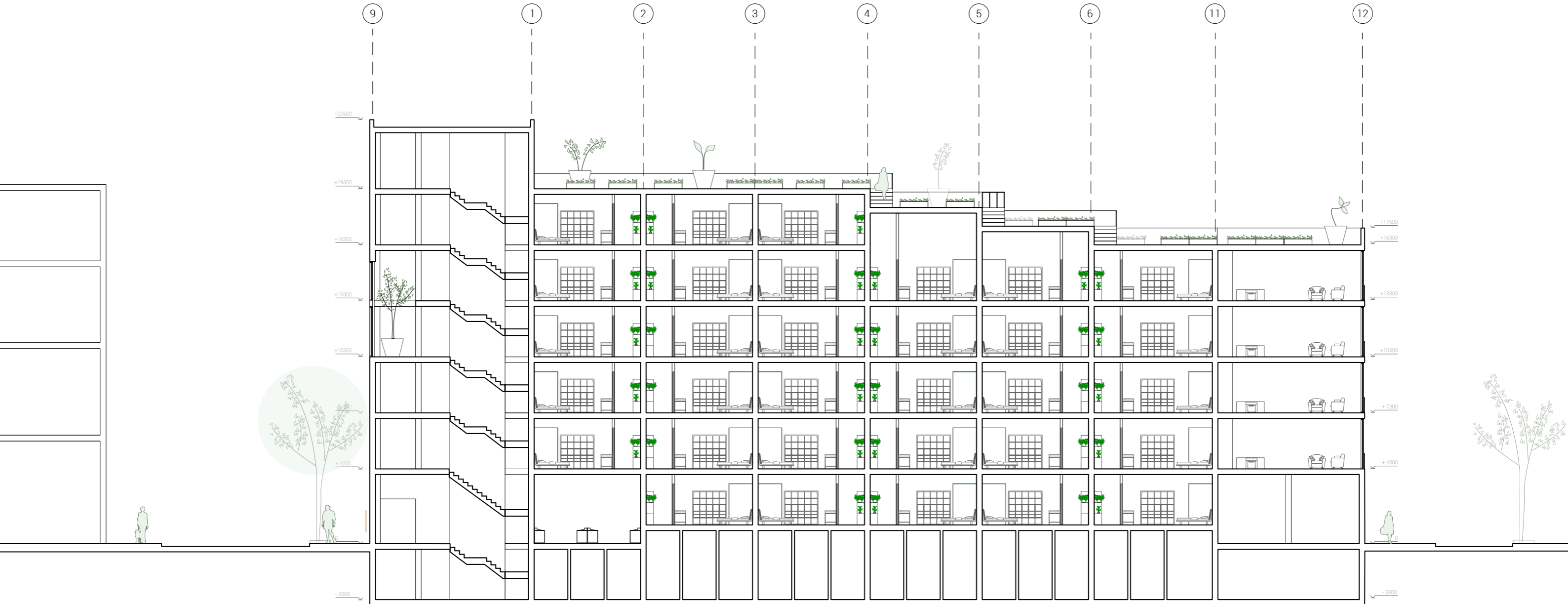
Building section B-B'
1:200



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Building section C-C'
1:200



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Building section D-D'
1:200



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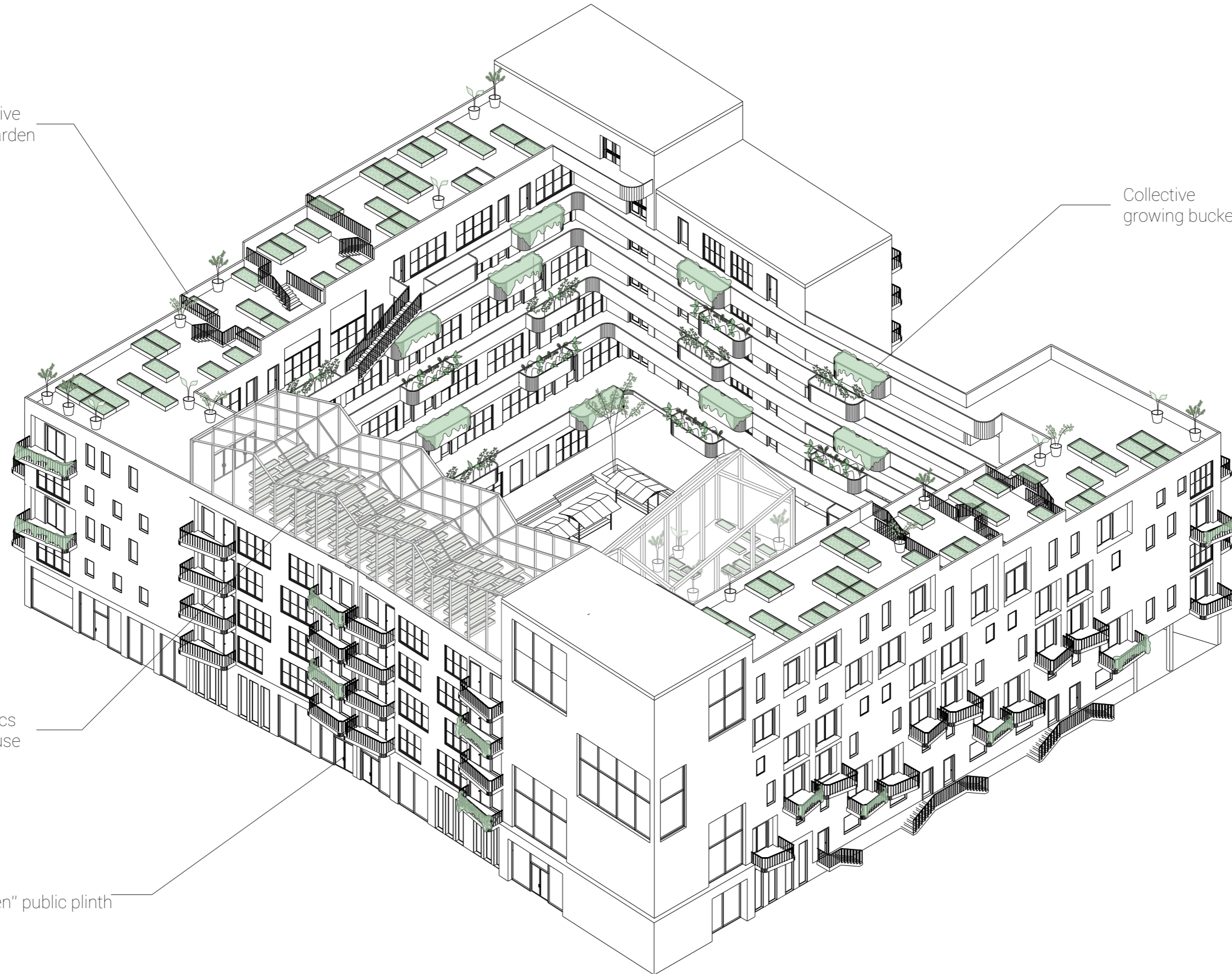
Food production

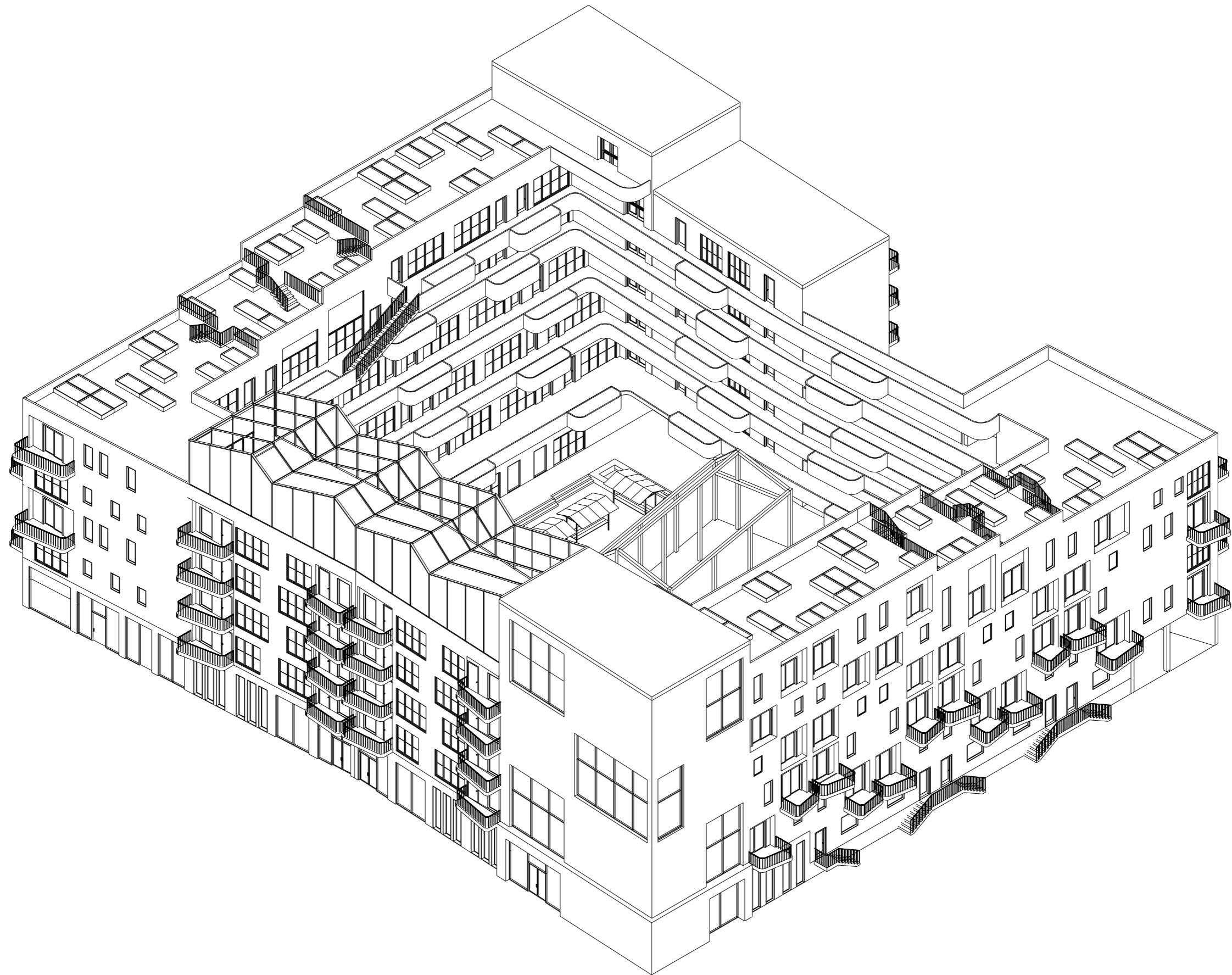
Collective
roof garden

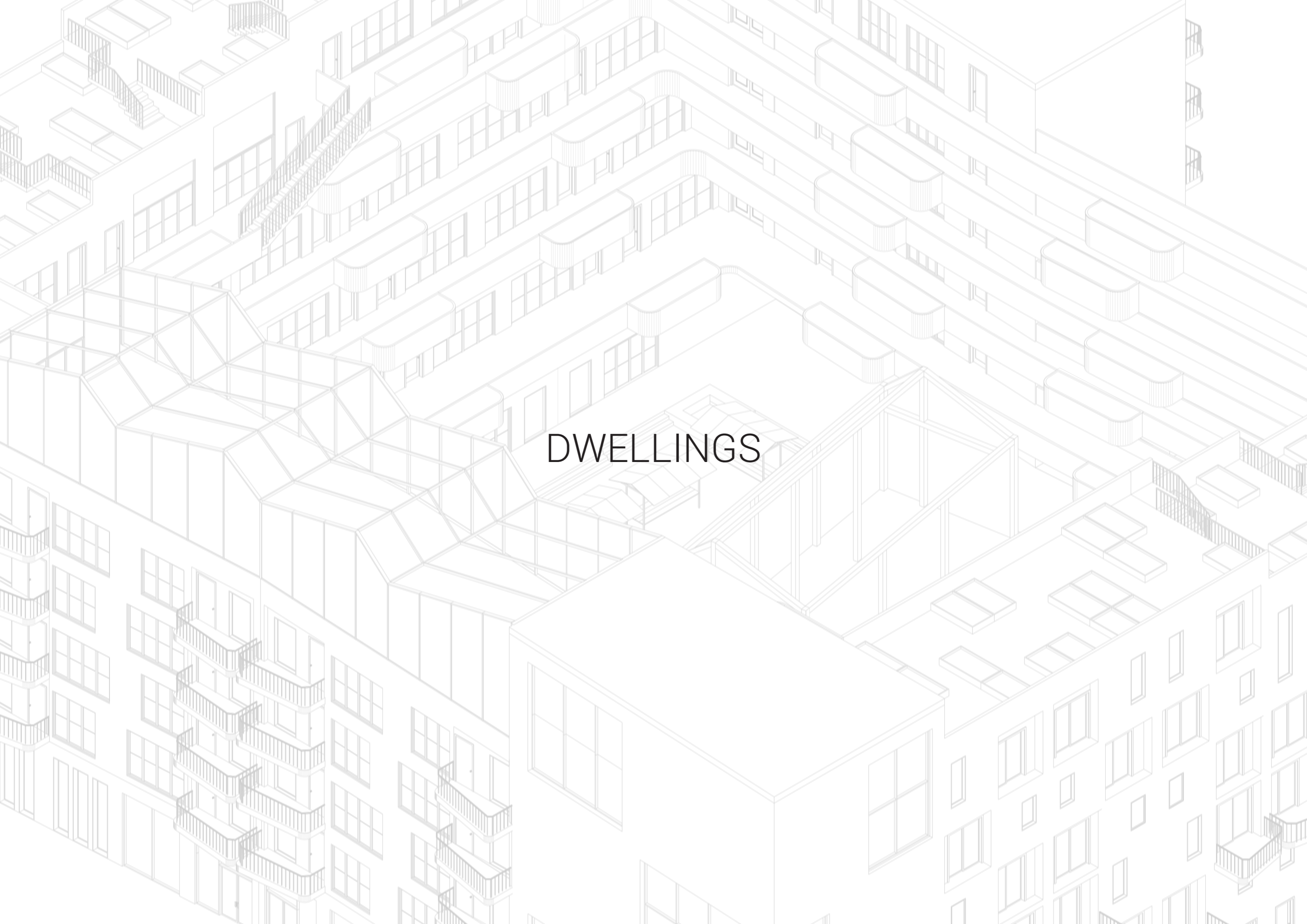
Collective
growing buckets

Aeroponics
greenhouse

"Green" public
plinth





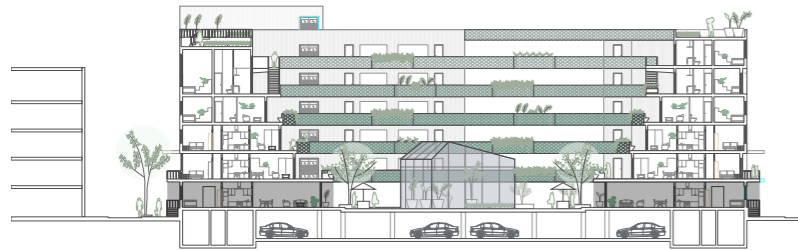


DWELLINGS

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Ground floor level apartment 90m²
1:100



Numeric data

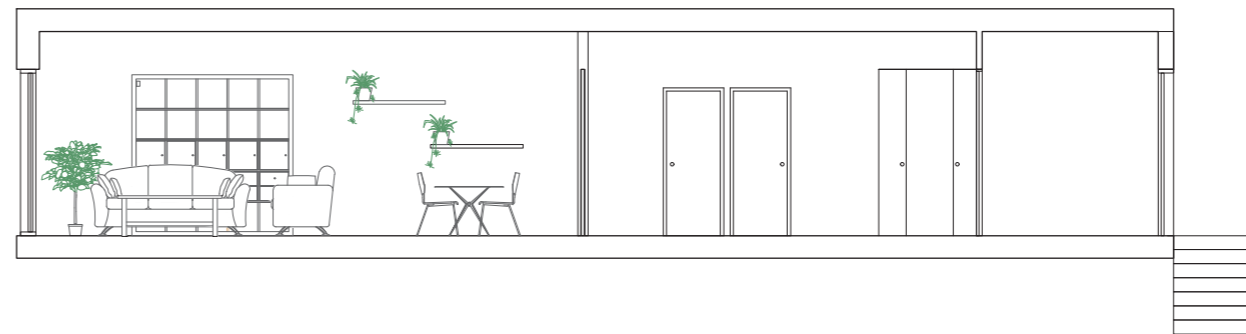
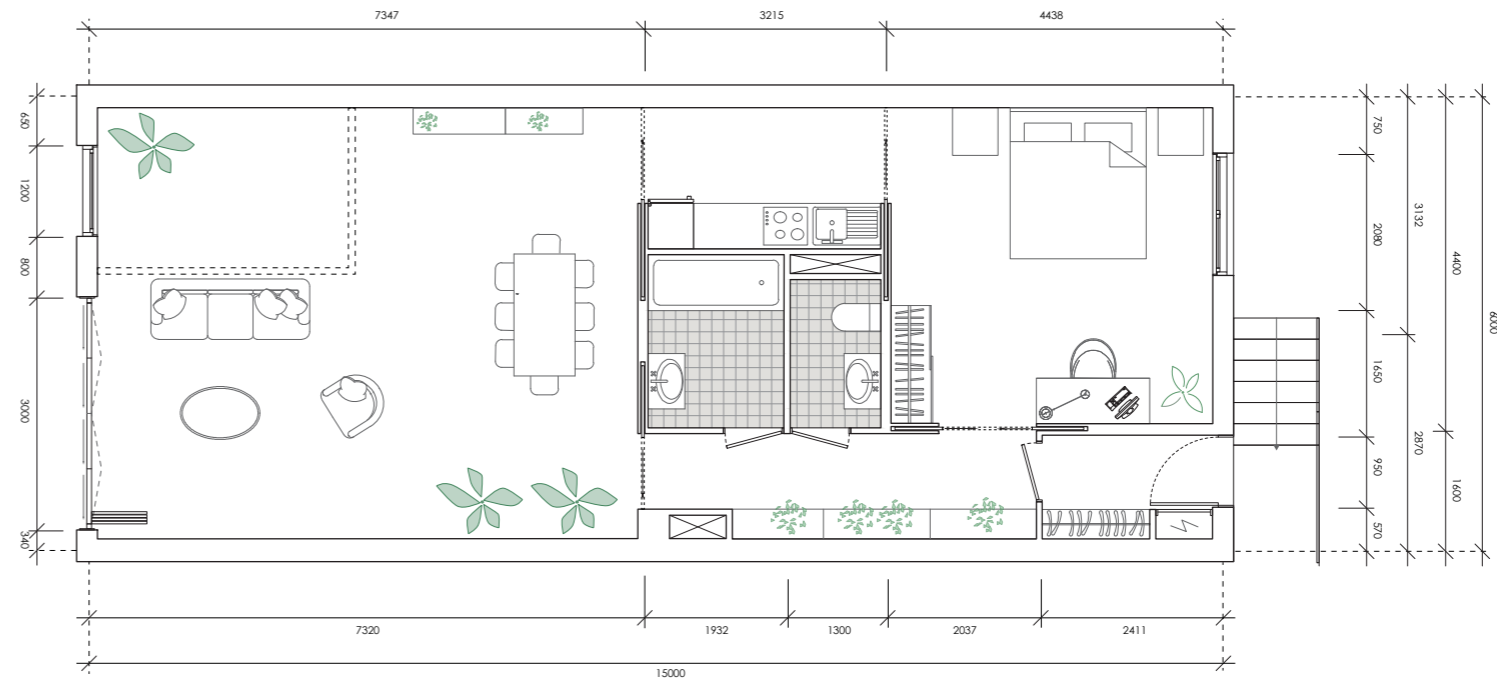
Amount of dwellings in the building: 10

Size: 90m²

Household: 2-person household

Outdoor space: Back side garden

Entrance: Plinth and deck level



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First level apartment 72m²
1:100



Numeric data

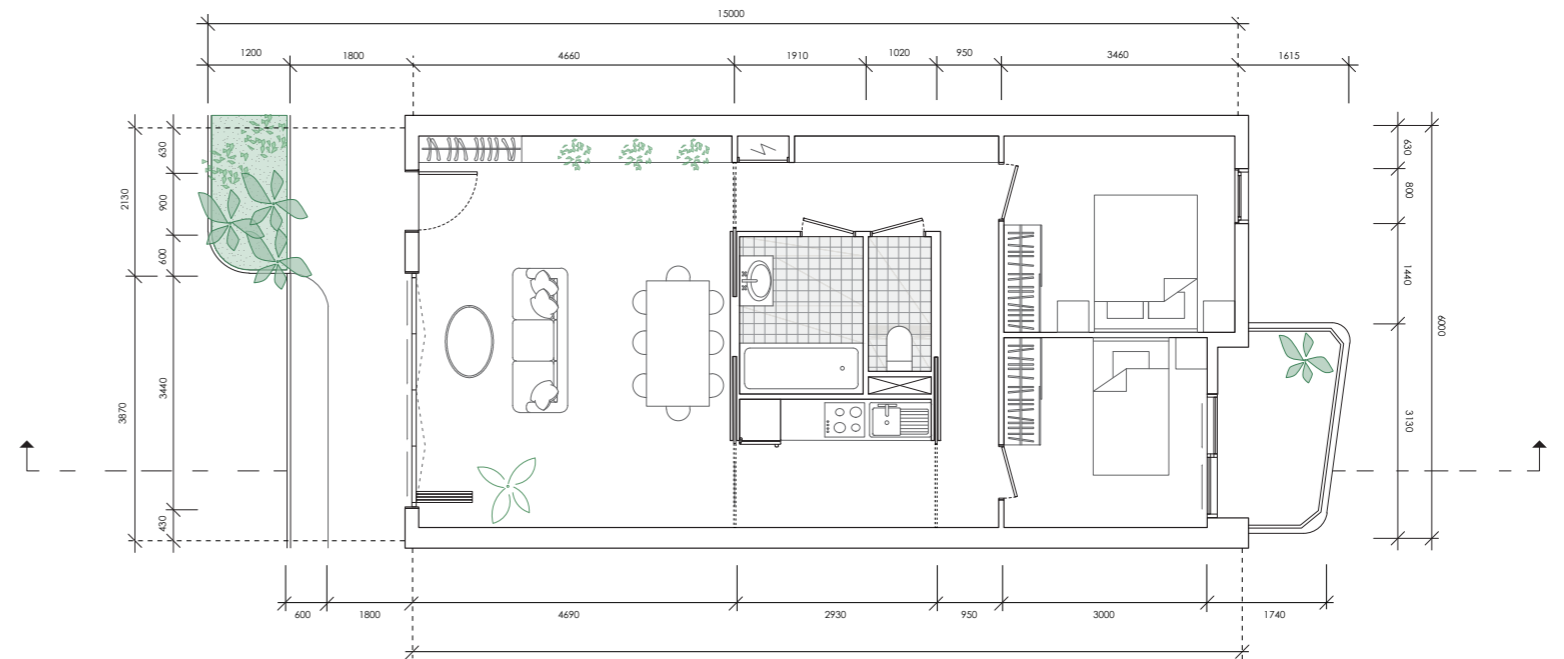
Amount of dwellings in the building: 12

Size: 72m²

Household: 2-person household

Outdoor space: Balcony

Entrance: Gallery

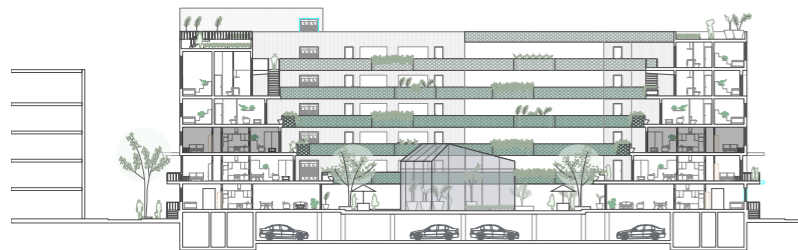


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Second level apartment 63m²

1:100



Numeric data

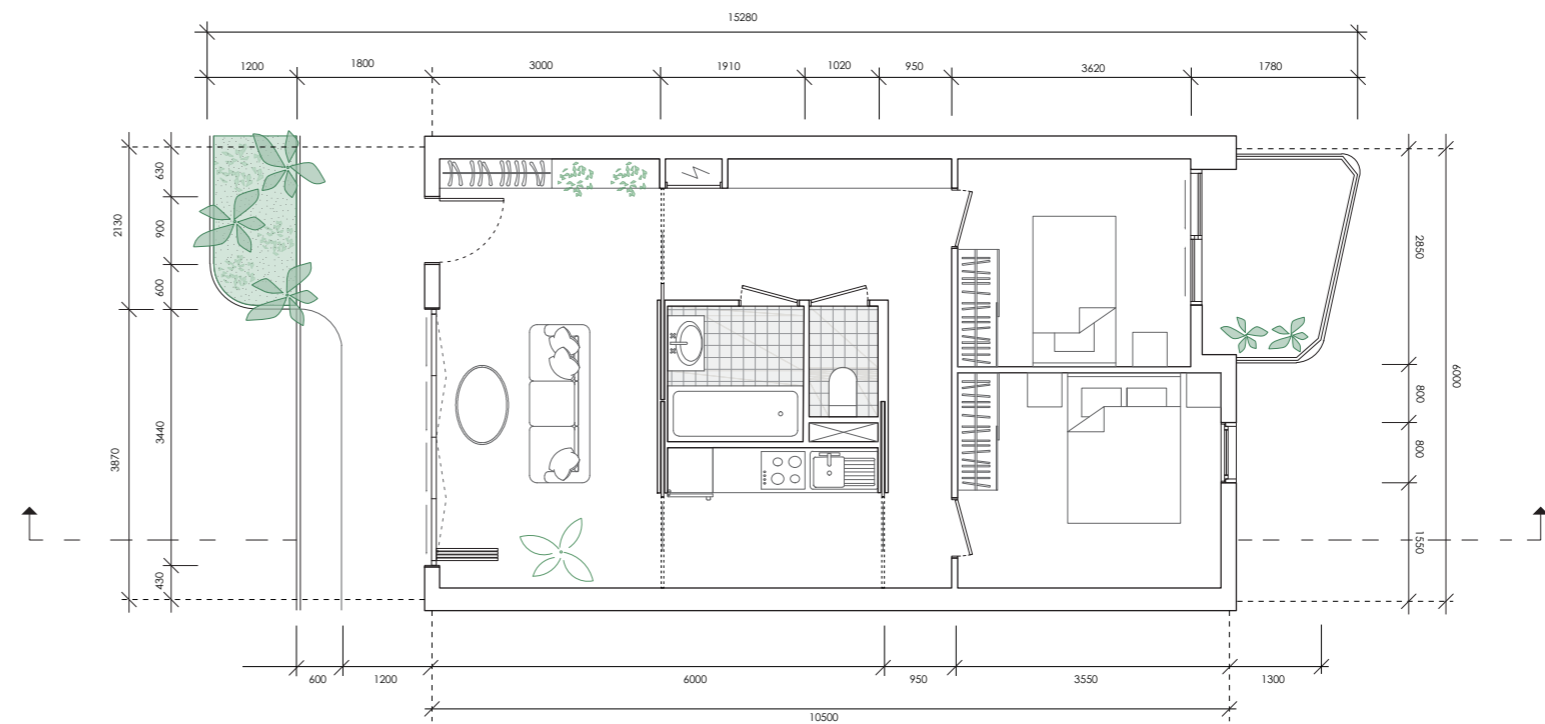
Amount of dwellings in the building: 12

Size: 63m²

Household: 2-person household

Outdoor space: Balcony

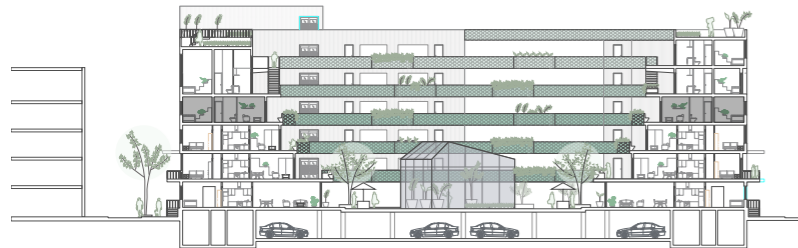
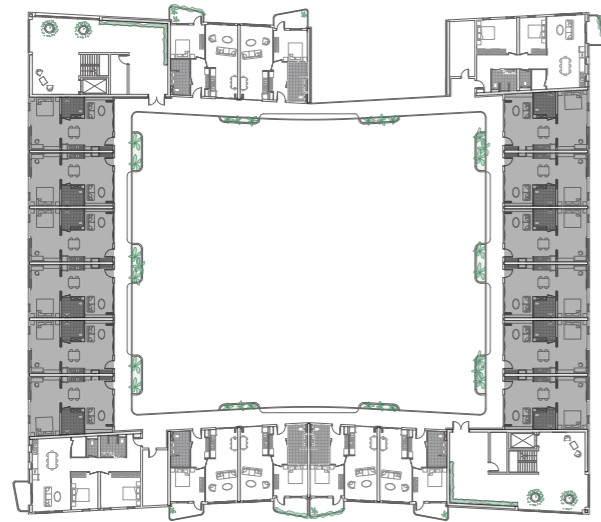
Entrance: Gallery



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Third level studio 54m²
1:100



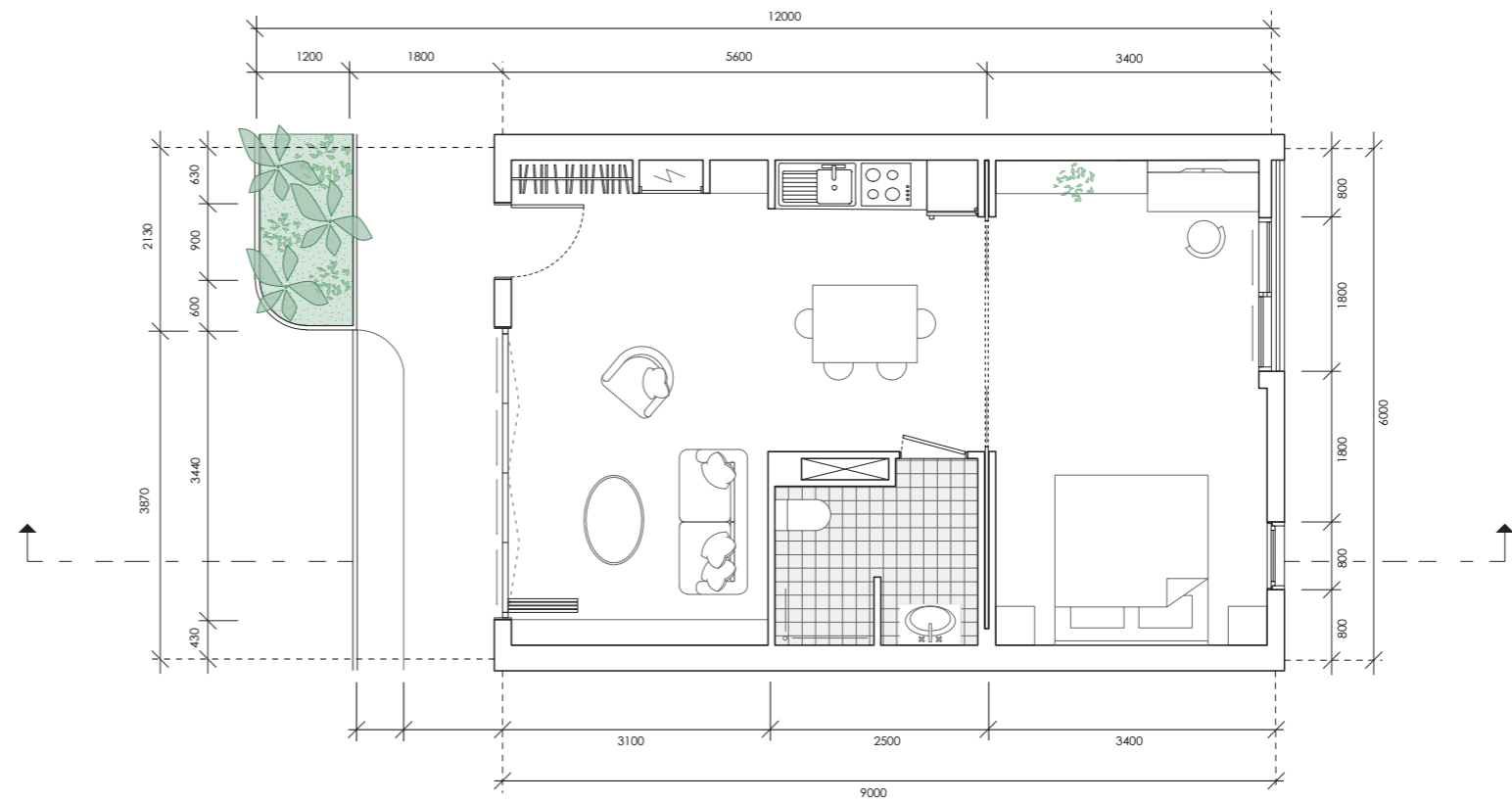
Numeric data

Amount of dwellings in the building: 12

Size: 54m²

Household: 1-person household

Entrance: Gallery

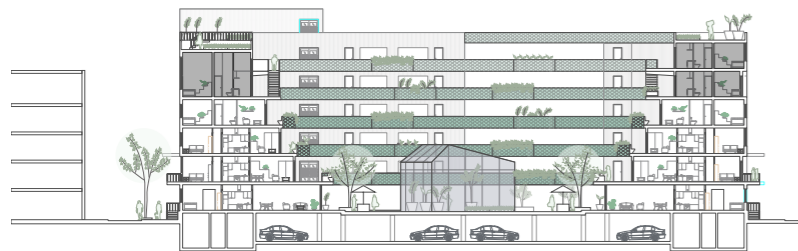
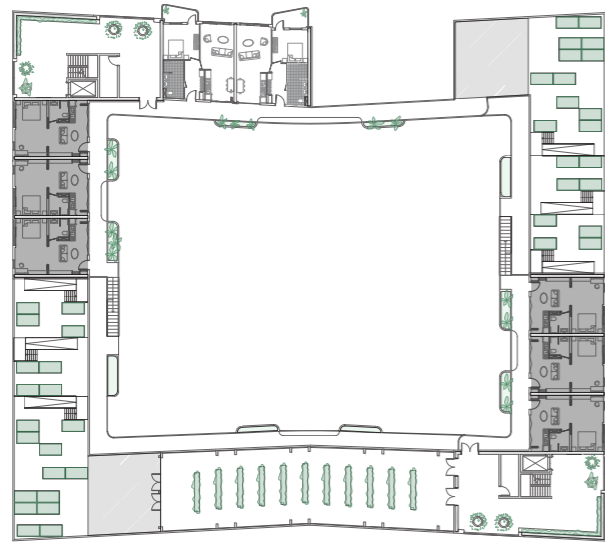
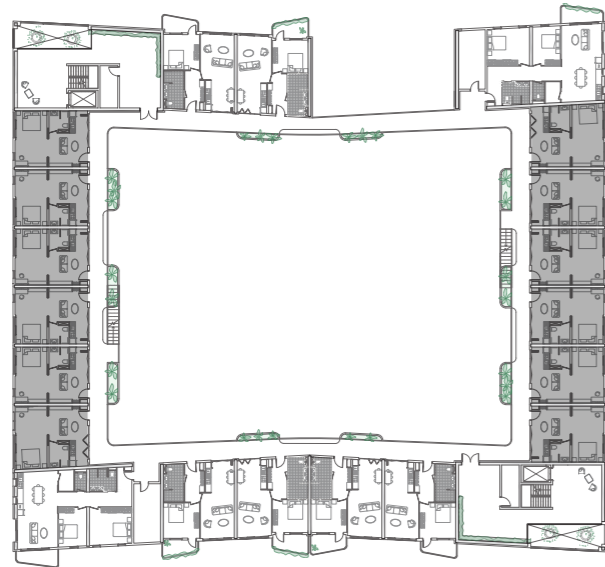


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Fourth and fifth level studio 45m²

1:100



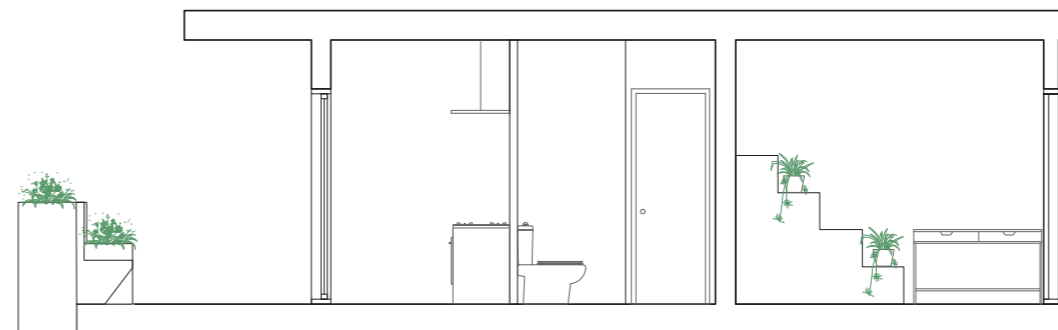
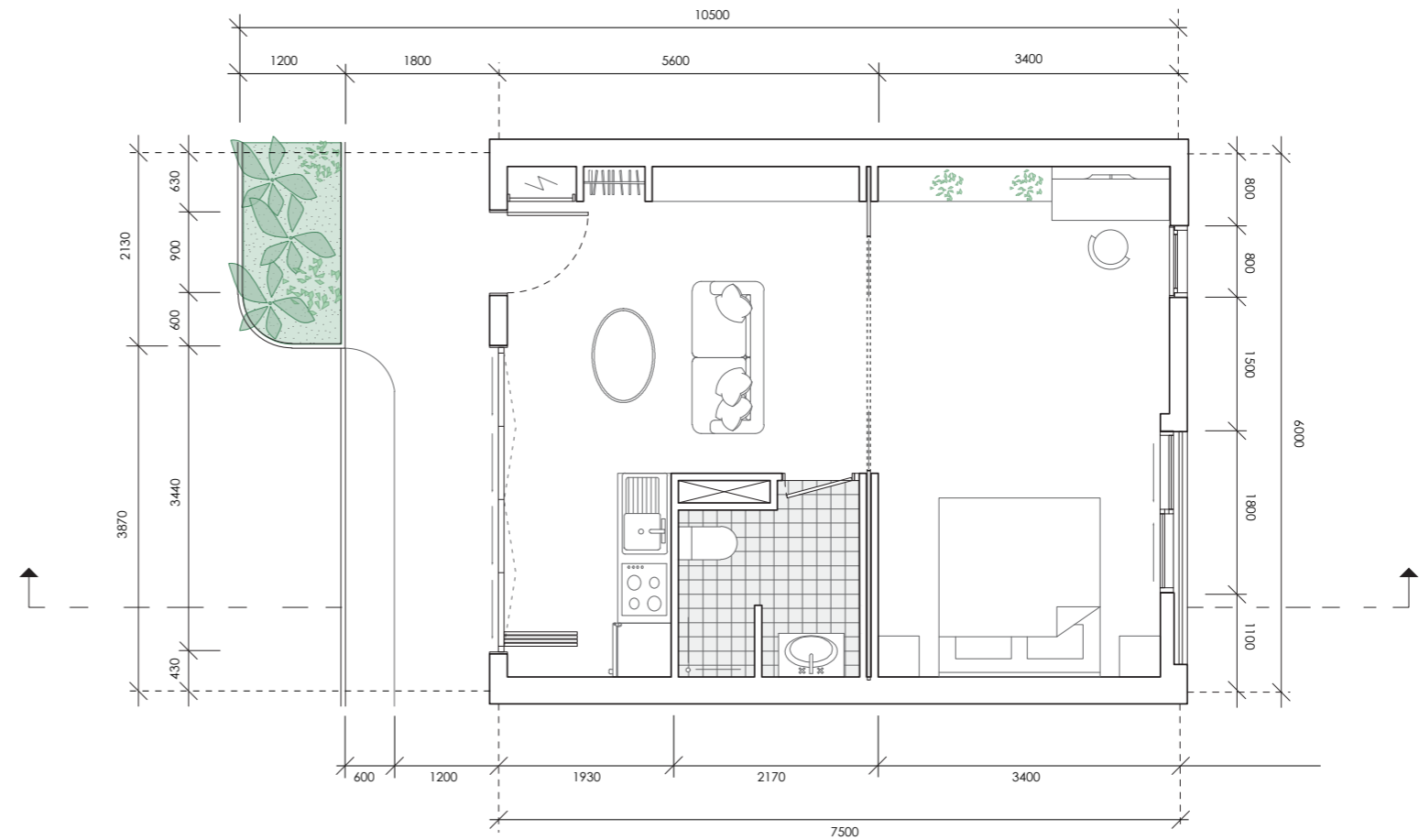
Numeric data

Amount of dwellings in the building: 18

Size: 45m²

Household: 1-person household

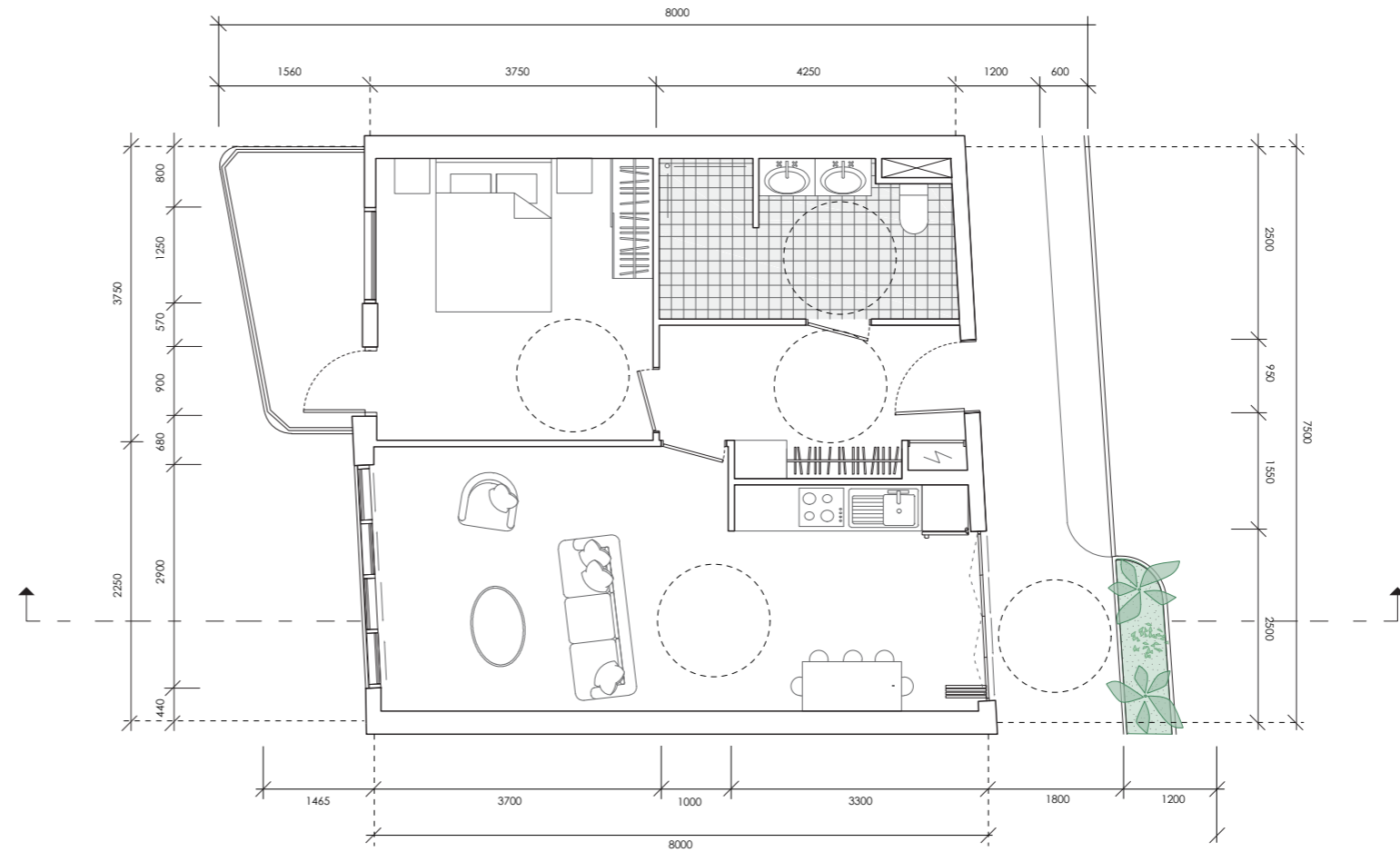
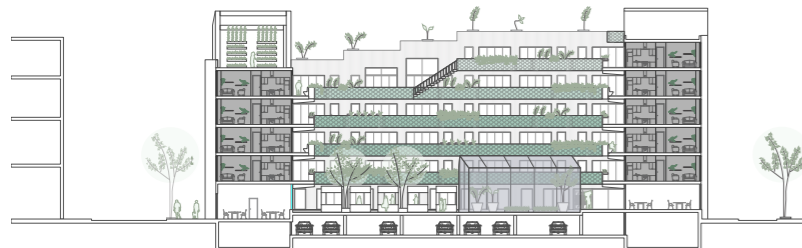
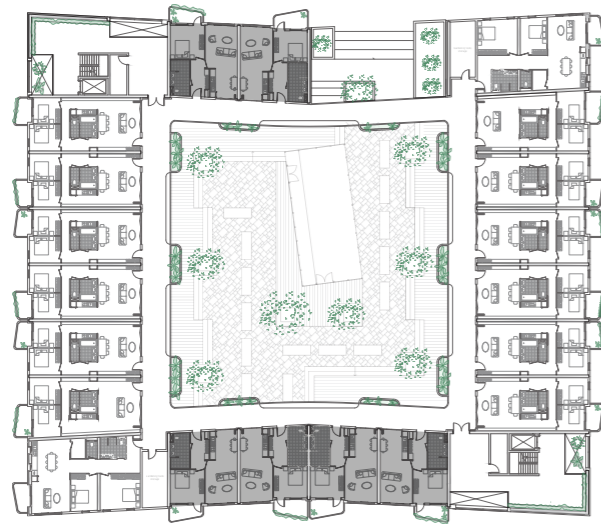
Entrance: Gallery



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Wheelchair-friendly apartment 60m²
1:100



Numeric data

Amount of dwellings in the building: 26

Size: 60m²

Household: 2-person household

Outdoor space: Balcony

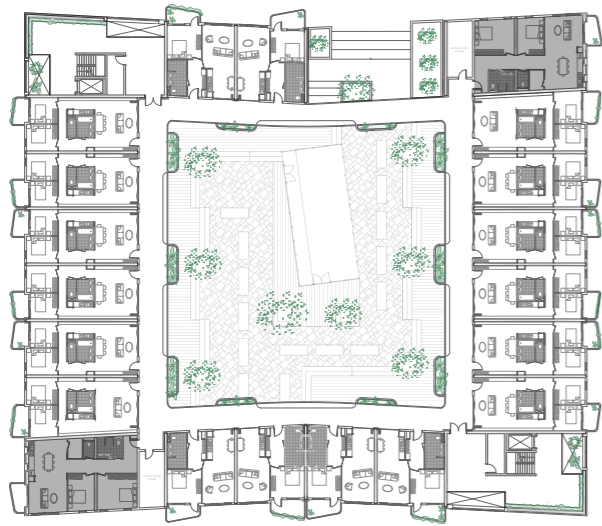
Entrance: Gallery

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Wheelchair-friendly apartment 90m²

1:100



Numeric data

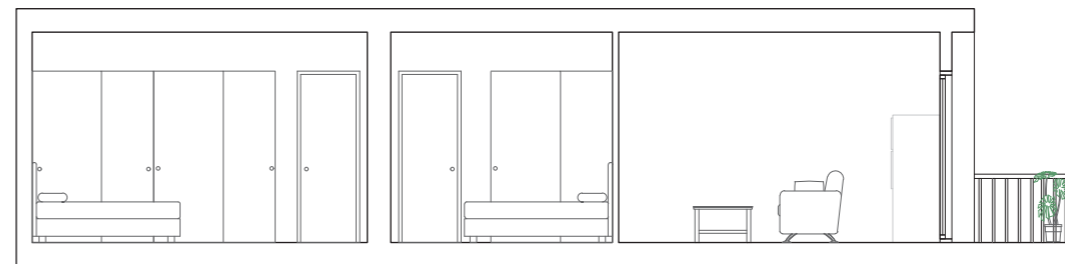
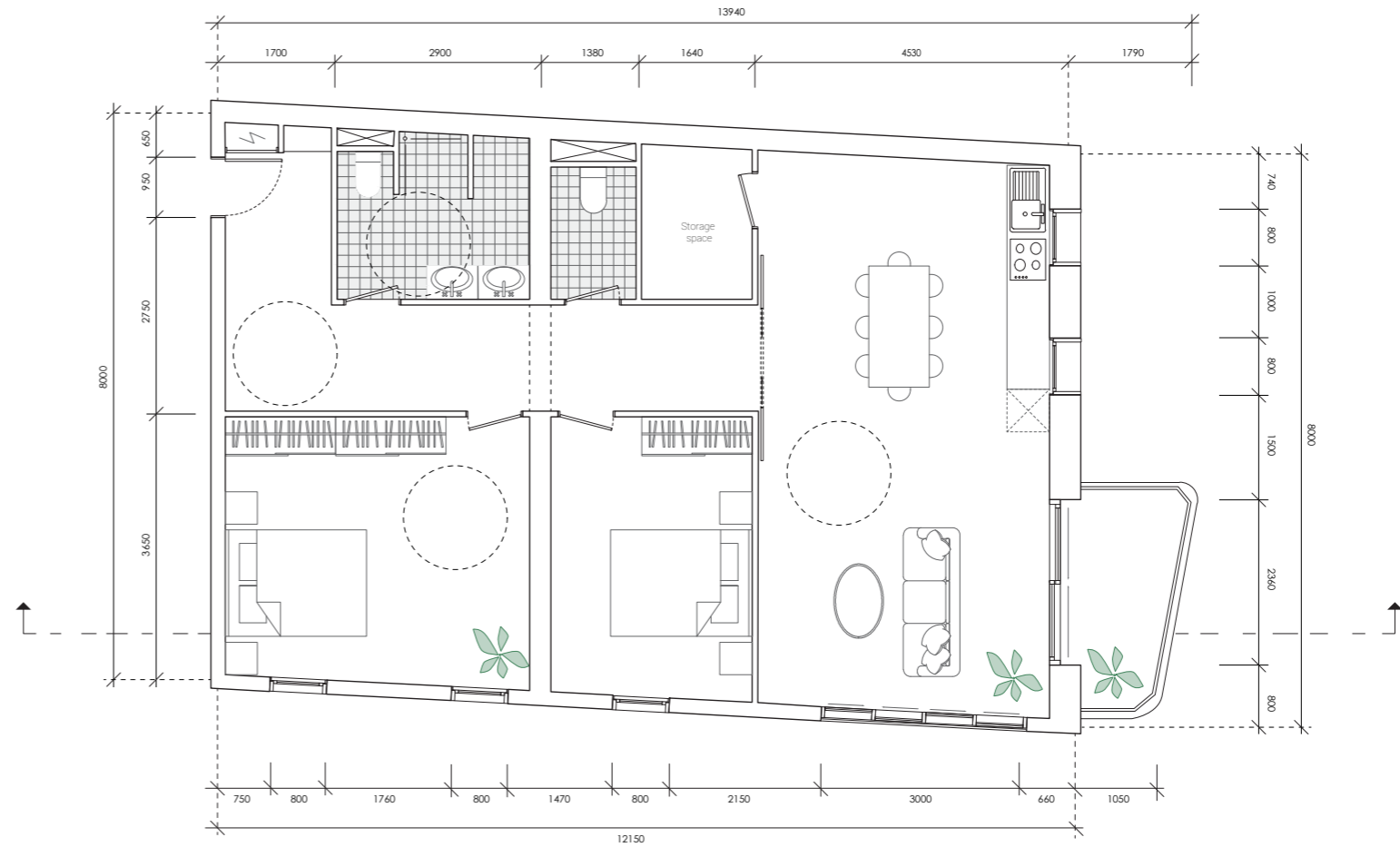
Amount of dwellings in the building: 8

Size: 90m²

Household: 2-person household

Outdoor space: Balcony

Entrance: Gallery



An isometric architectural line drawing of a city block. The drawing shows multiple buildings with various window patterns, balconies, and courtyards. A central structure with a complex, multi-faceted roof is prominent. The perspective is from an elevated angle, looking down at the buildings. The lines are thin and light gray, creating a clean, technical aesthetic.

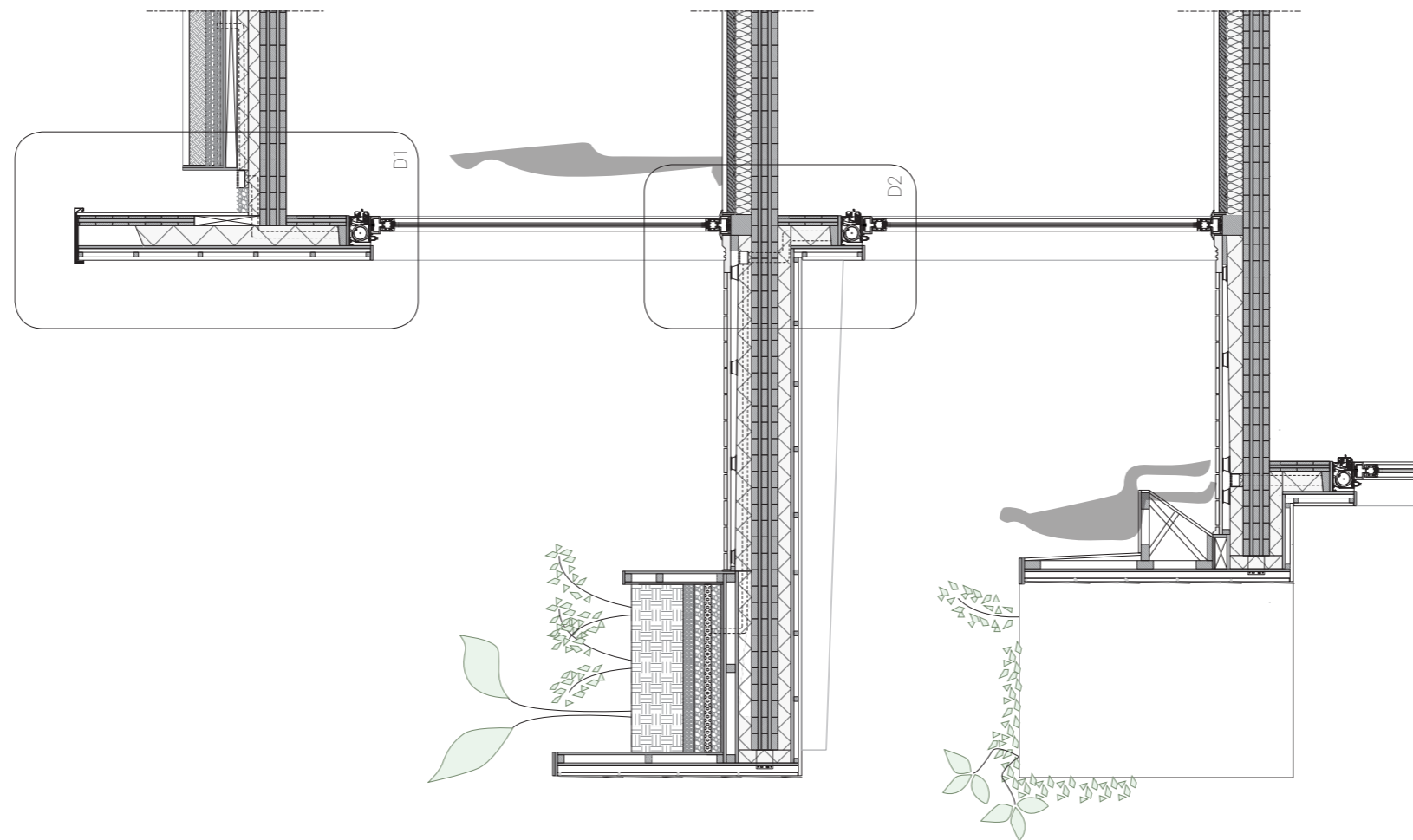
BUILDING TECHNOLOGY

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Horizontal facade fragment H-H'

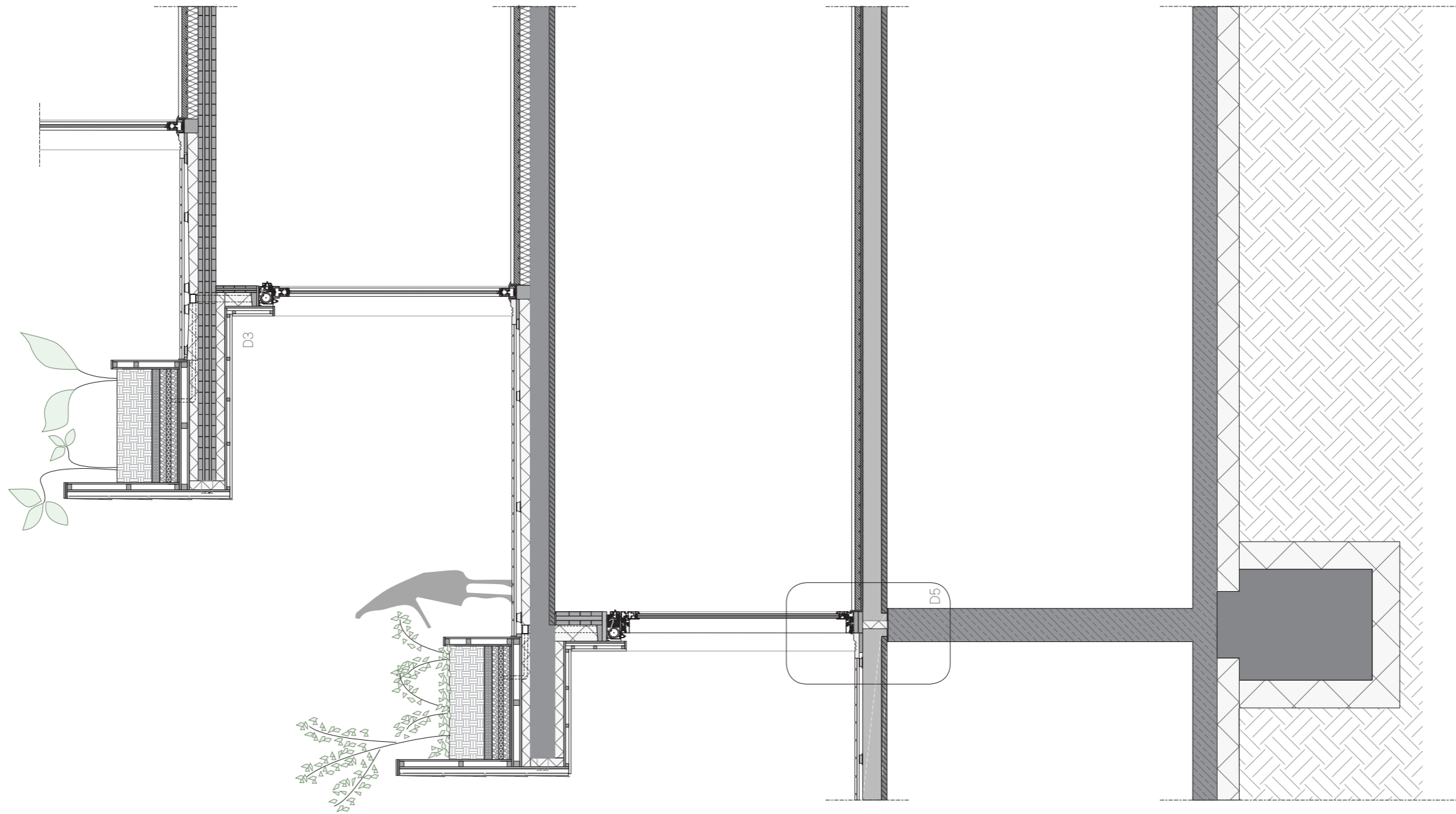
1:40



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Horizontal facade fragment H-H'
1:40



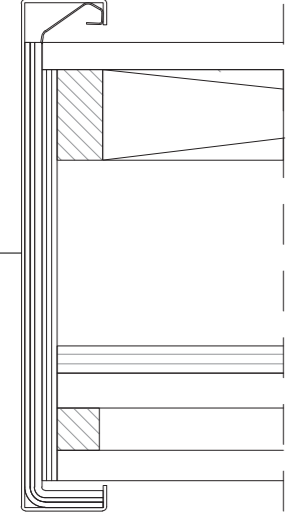
NeighbourFOOD

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Horizontal facade fragment H-H'
1:40

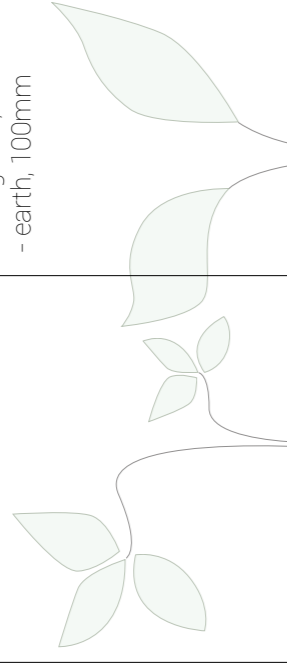


- Roval D, eave system

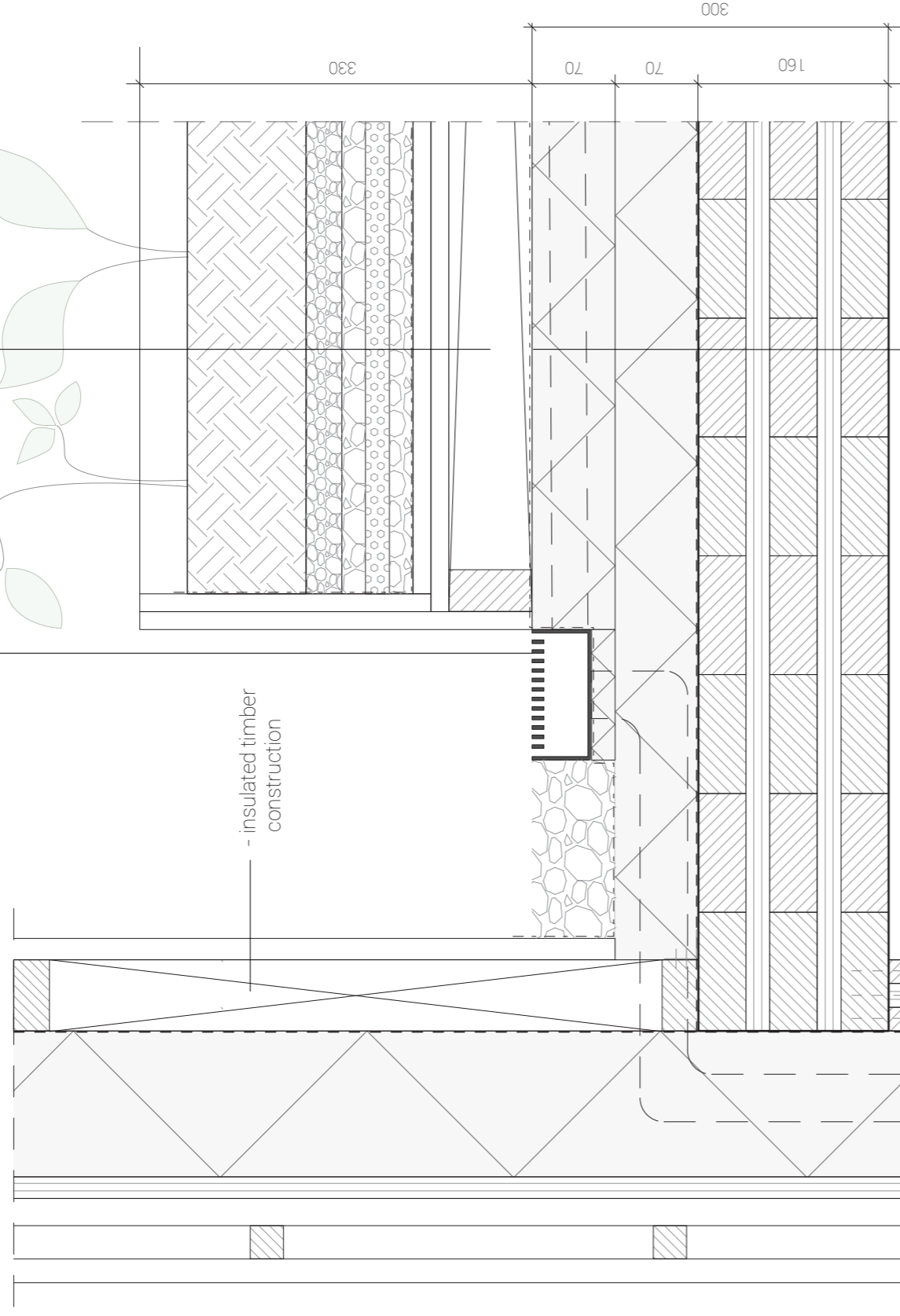


- timber batten, 70mm
- multiplex boarding, 15mm
- multiplex boarding, 15mm
- waterproof membrane
- coarse gravel, 60mm
- drainage layer, 20mm
- fine gravel, 30mm
- earth, 100mm

- greywater gutter



- insulated timber construction



330

70

70

300

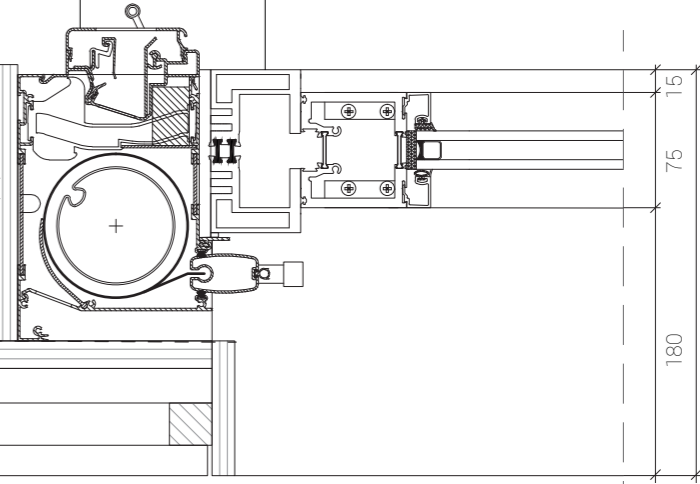
160

- CLT floor element, 160mm
- vapor barrier layer
- PIR insulation, 70mm
- PIR insulation, 70mm
- waterproof membrane

- CLT wall element, 60mm
- vapor barrier layer
- PIR insulation, 120mm
- drainage pipe
- multiplex boarding, 18mm
- air cavity, 23mm
- horizontal timber battens, 30mm
- wooden facade cladding, 20mm

- Duco Twin 120 'ZR' ventilation rooster & sunshading system

- Solar Innovations aluminium folding door system

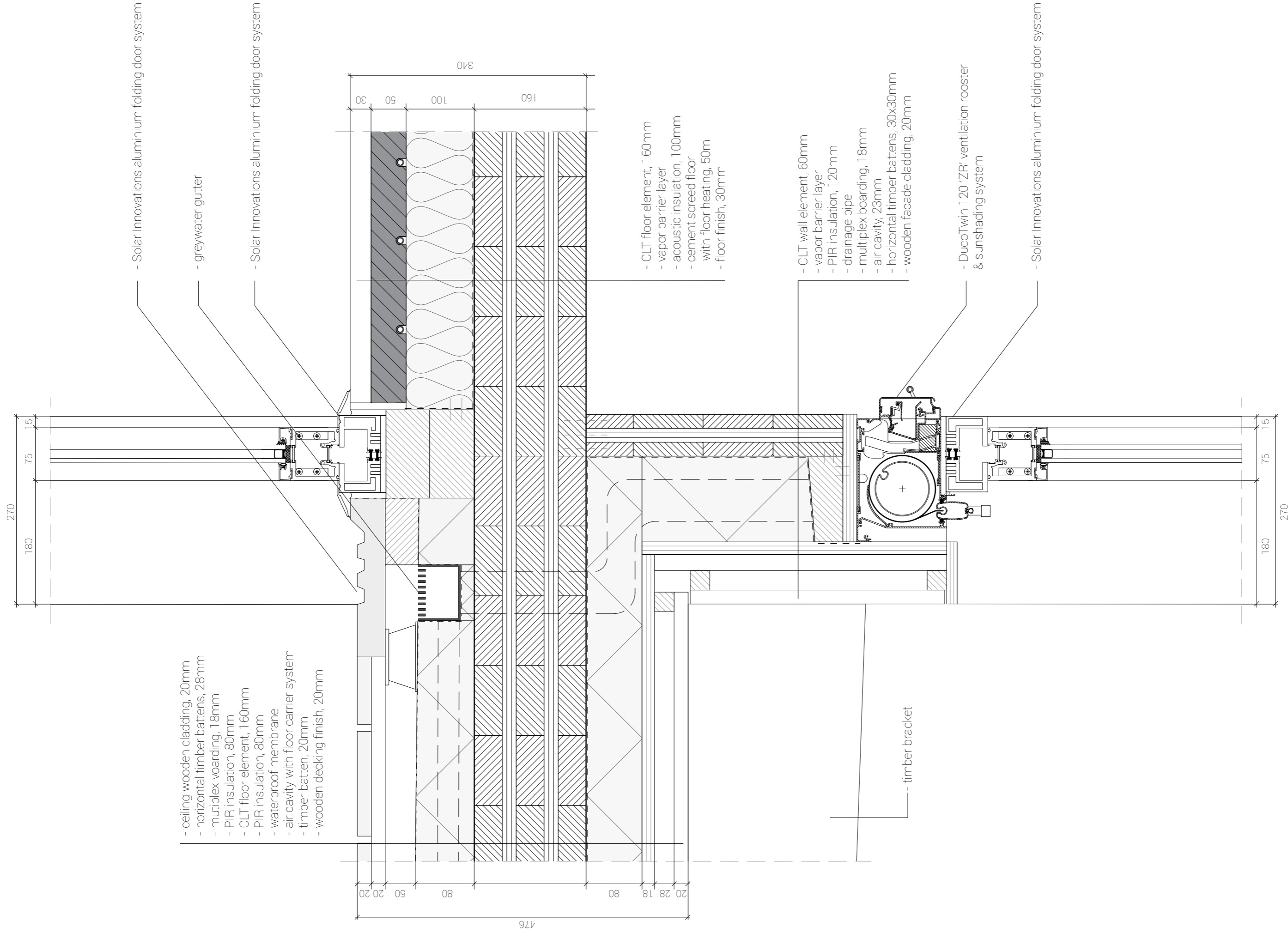


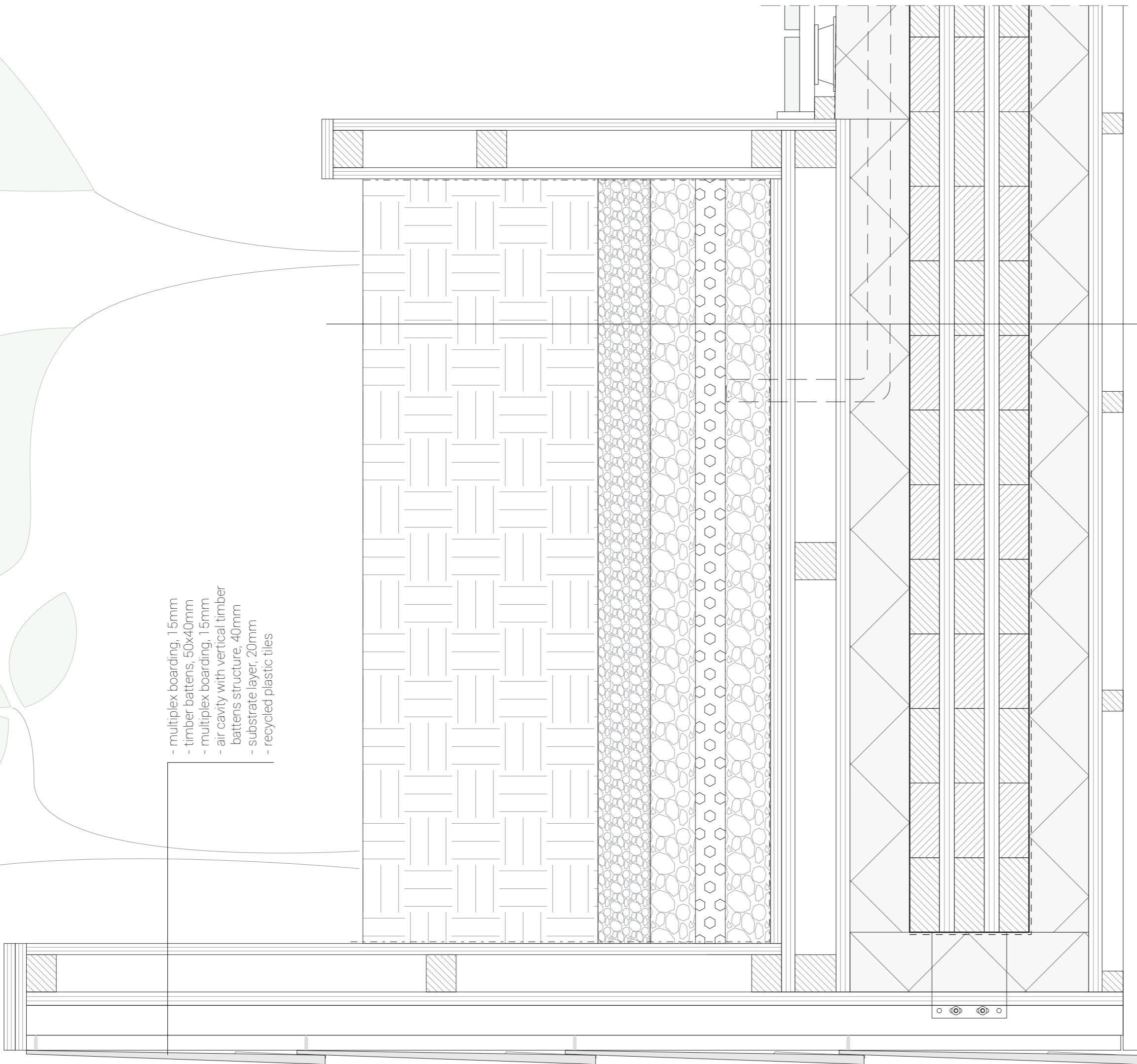
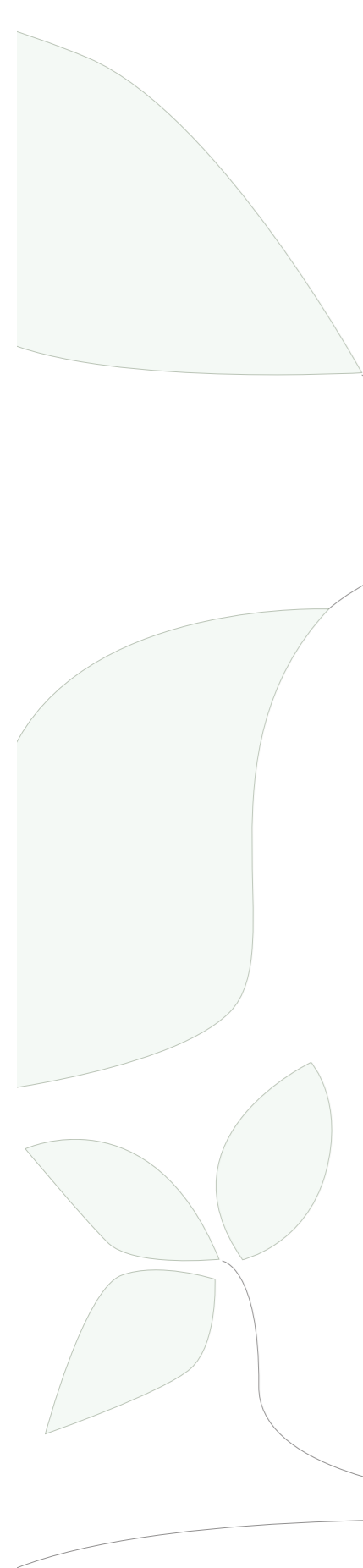
180

75

15

270

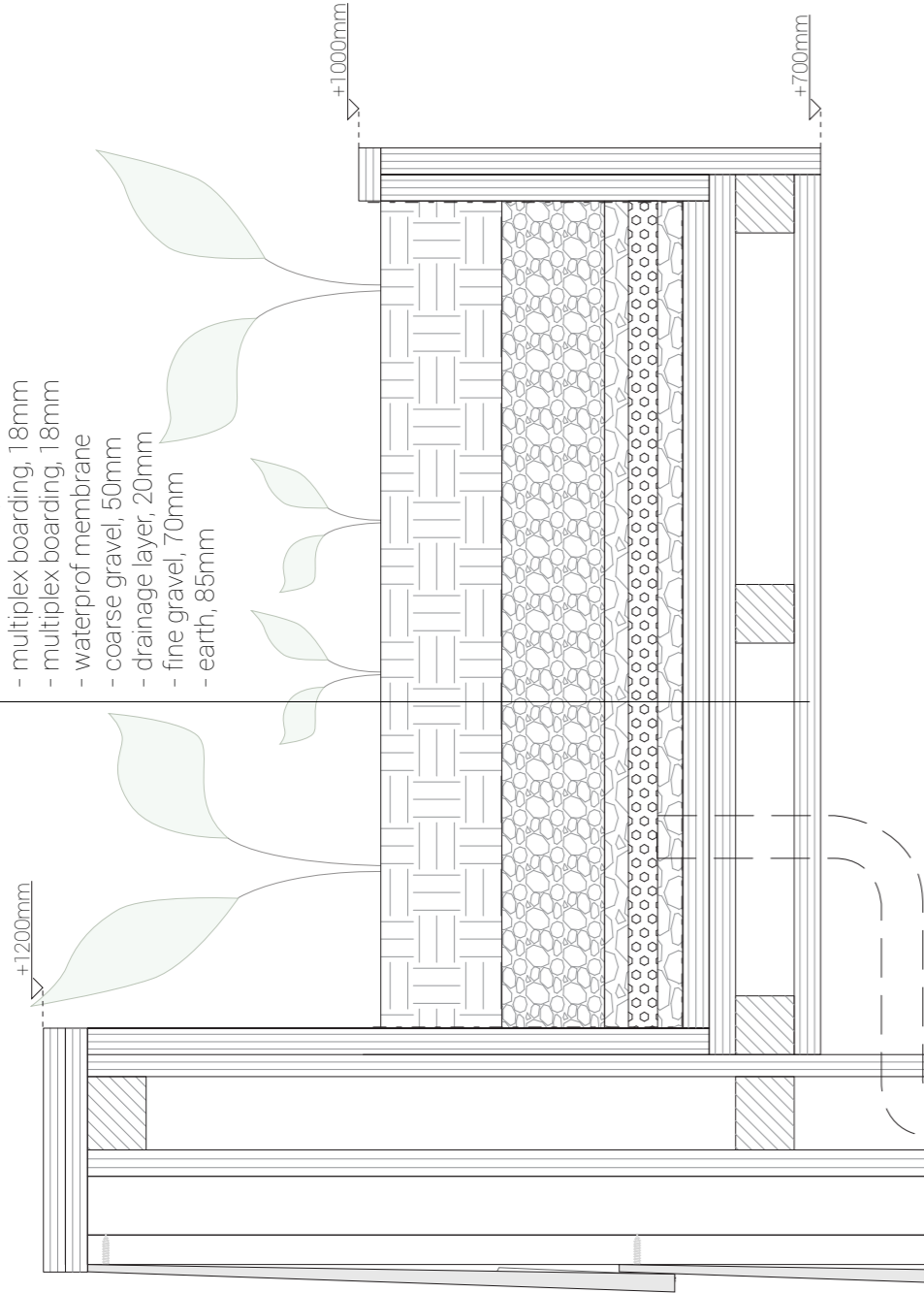




- multiplex boarding, 15mm
- timber battens, 50x40mm
- multiplex boarding, 15mm
- air cavity with vertical timber battens structure, 40mm
- substrate layer, 20mm
- recycled plastic tiles

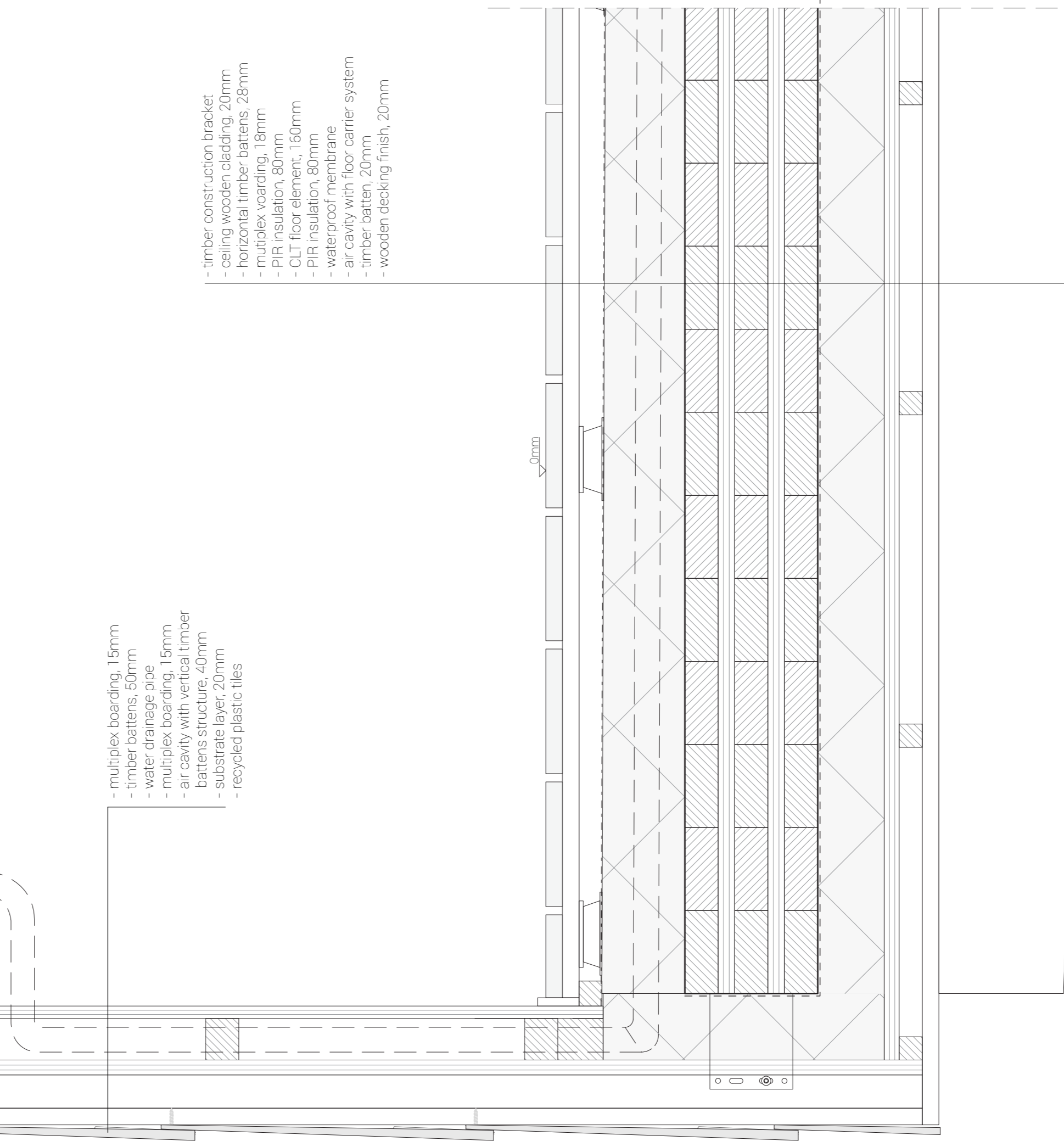
- ceiling wooden cladding, 20mm
- horizontal timber battens, 28mm
- multiplex voarding, 18mm
- PIR insulation, 80mm
- CLT floor element, 160mm
- PIR insulation, 80mm
- multiplex boarding, 18mm
- timber battens, 40x40mm
- multiplex boarding, 15mm
- multiplex boarding, 15mm
- waterproof membrane
- coarse gravel, 230mm
- drainage layer, 40mm
- fine gravel, 70mm
- earth, 300mm

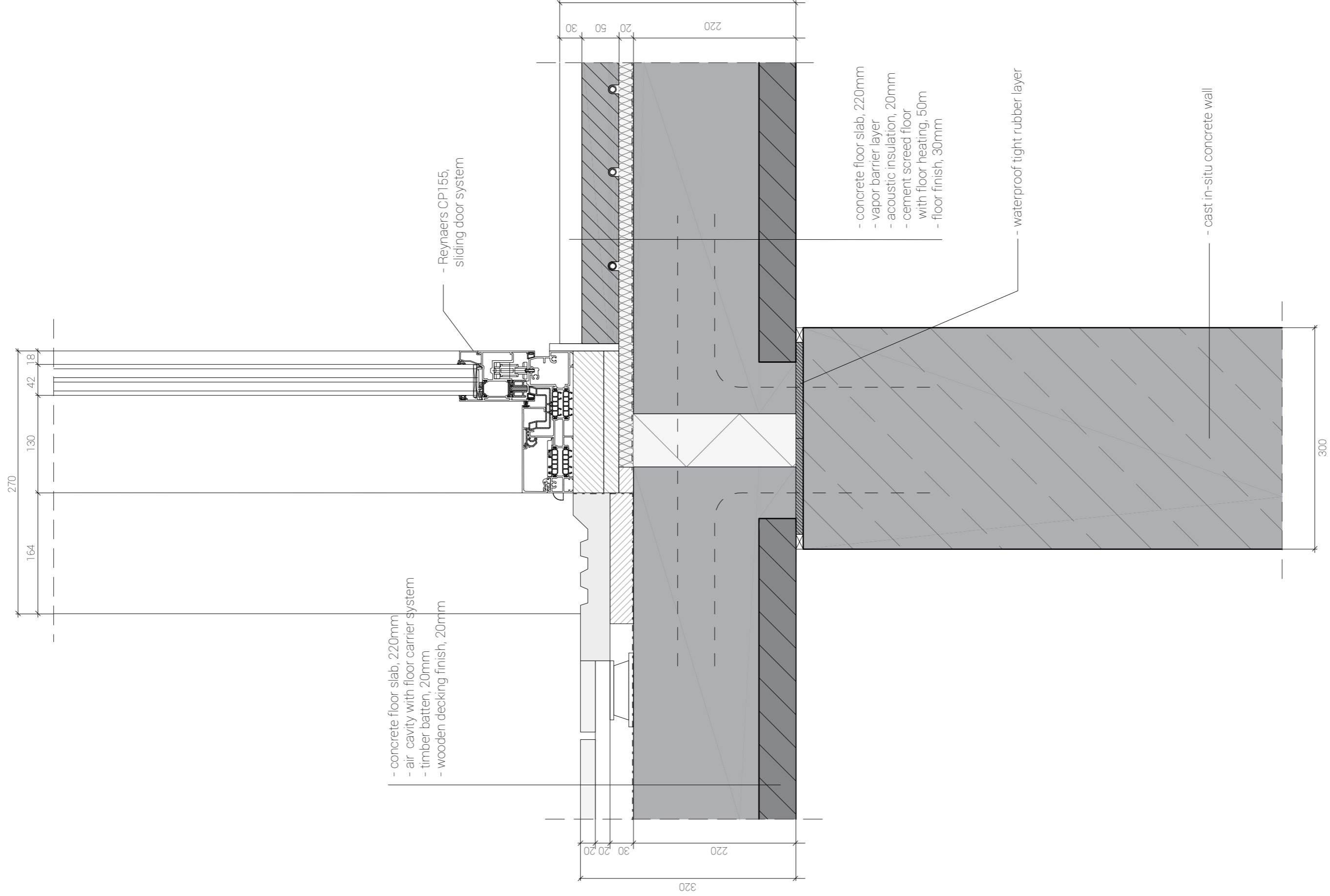
- multiplex boarding, 18mm
- timber battens, 40x40mm
- multiplex boarding, 18mm
- multiplex boarding, 18mm
- waterproof membrane
- coarse gravel, 50mm
- drainage layer, 20mm
- fine gravel, 70mm
- earth, 85mm

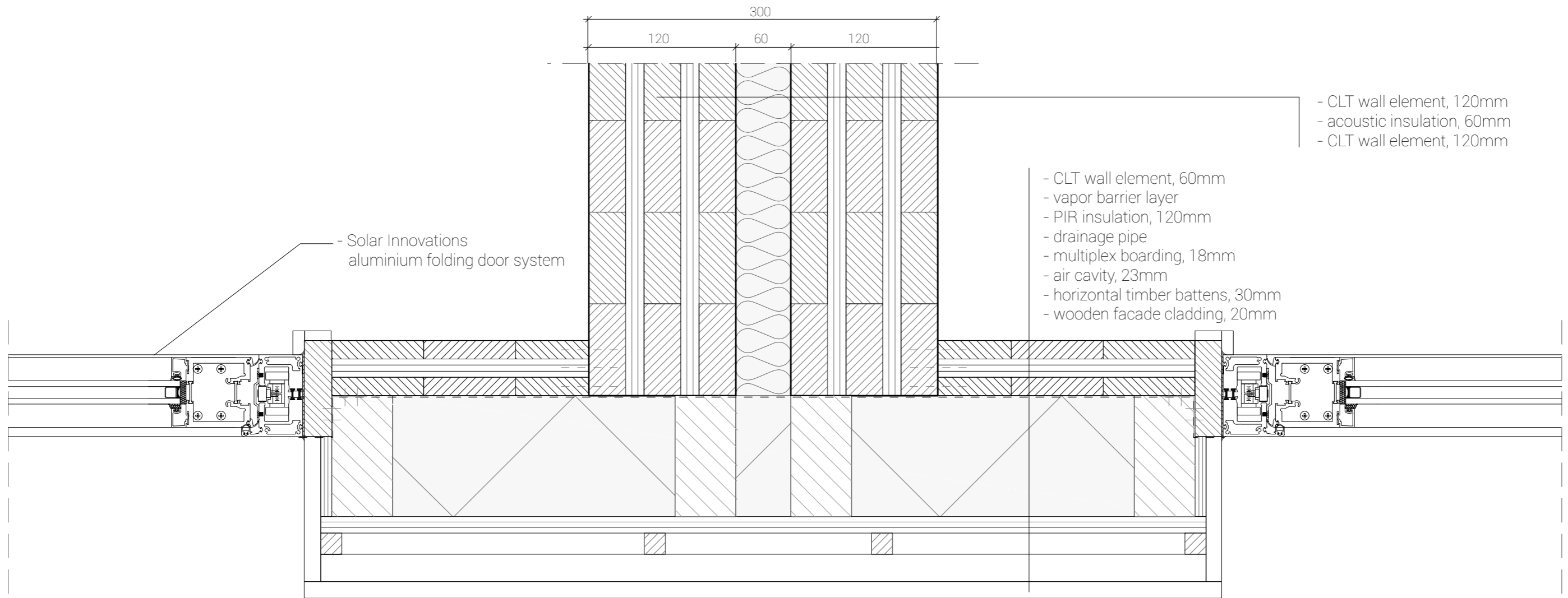


- multiplex boarding, 15mm
- timber battens, 50mm
- water drainage pipe
- multiplex boarding, 15mm
- air cavity with vertical timber battens structure, 40mm
- substrate layer, 20mm
- recycled plastic tiles

- timber construction bracket
- ceiling wooden cladding, 20mm
- horizontal timber battens, 28mm
- multiplex boarding, 18mm
- PIR insulation, 80mm
- CLT floor element, 160mm
- PIR insulation, 80mm
- waterproof membrane
- air cavity with floor carrier system
- timber batten, 20mm
- wooden decking finish, 20mm



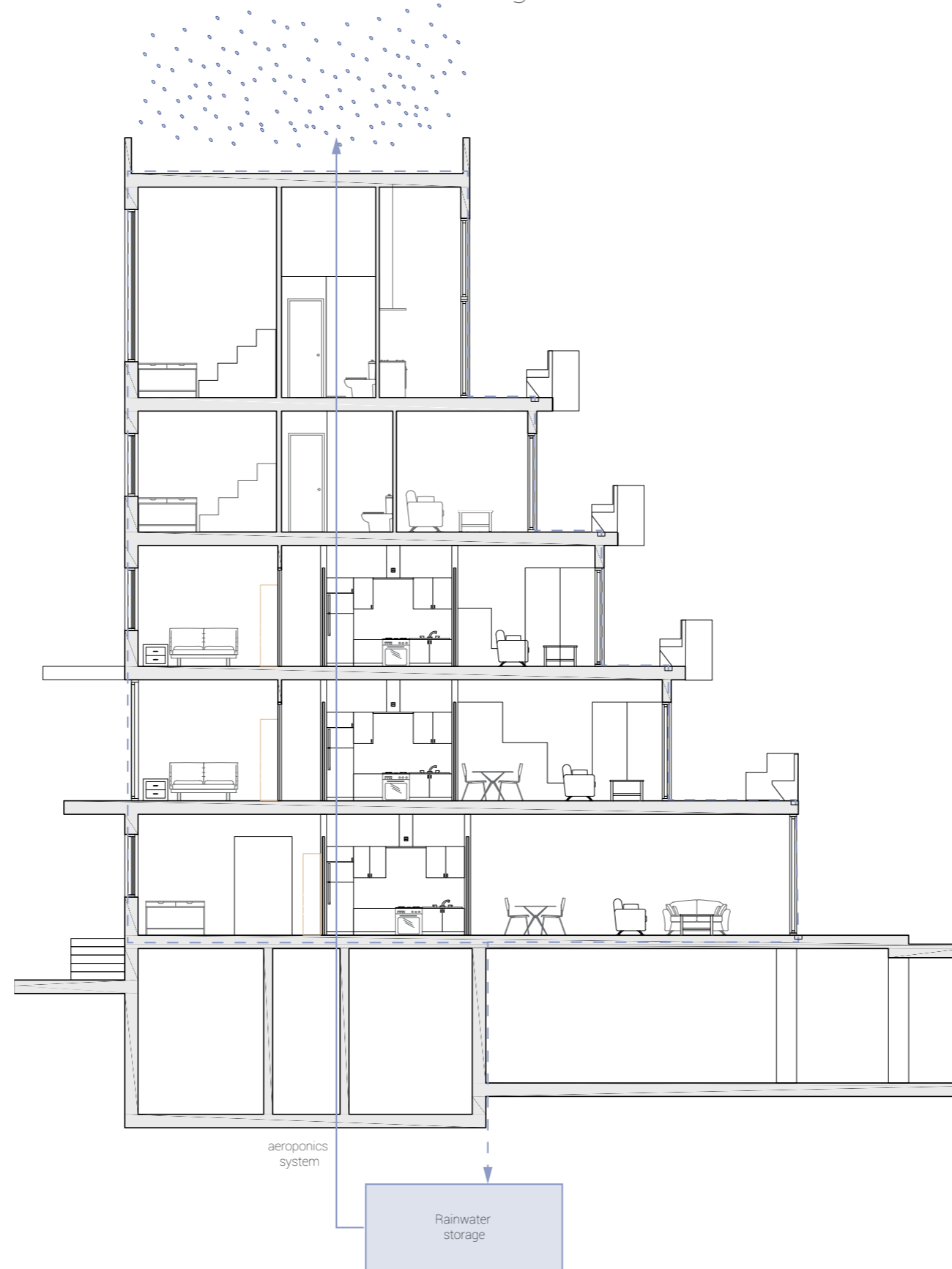




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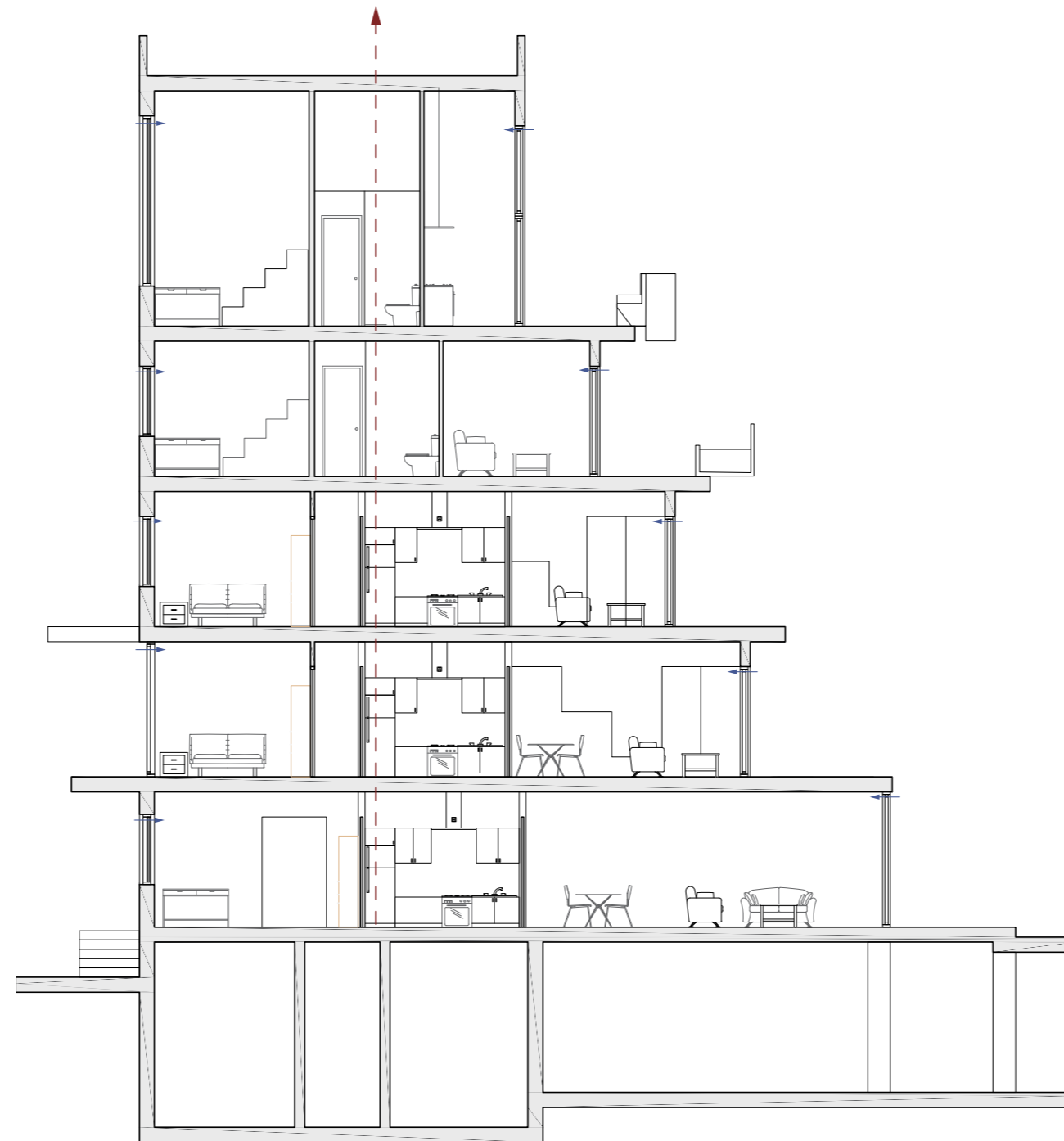
Climate design
Water management



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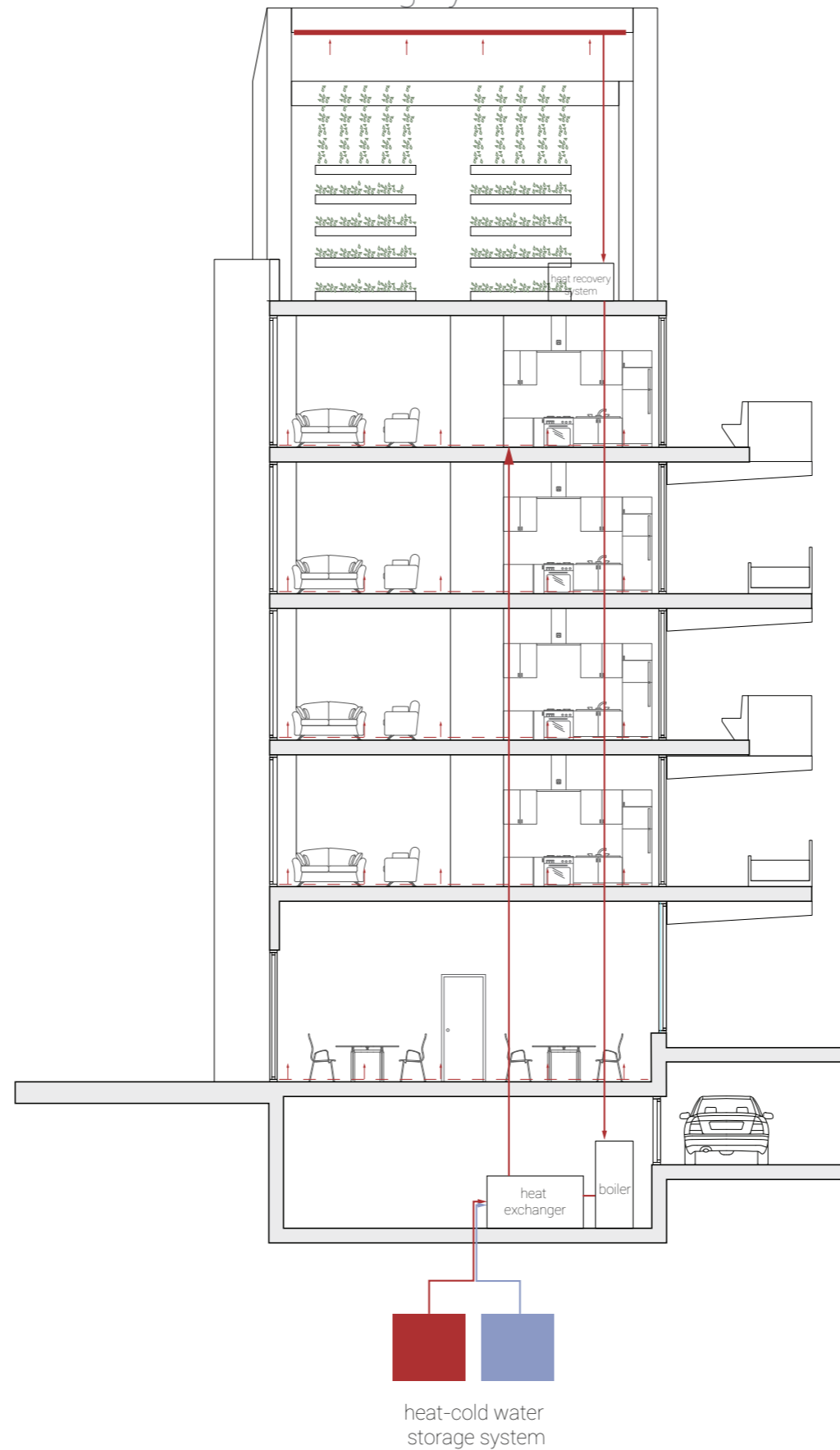
Climate design
Ventilation system



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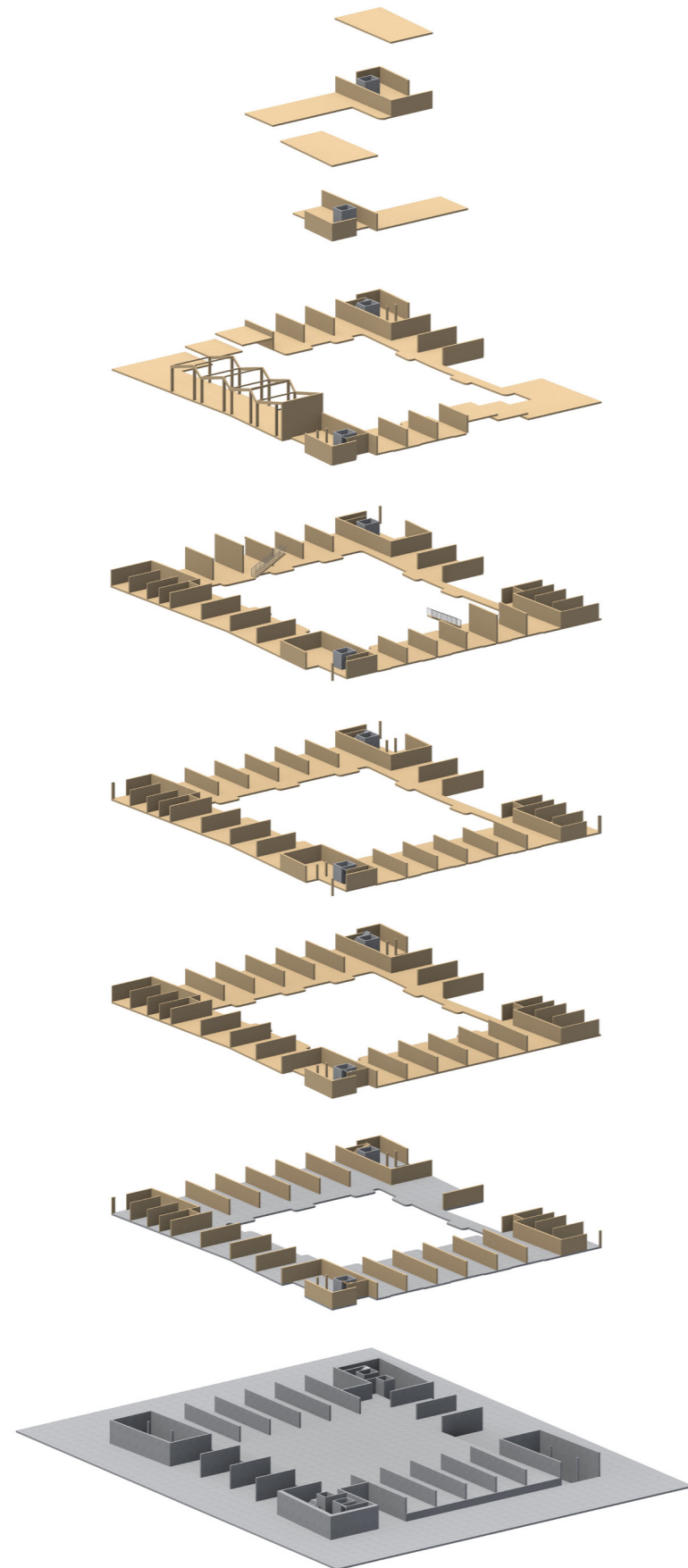
Climate design
Heating system



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Building construction system



Top levels
- CLT panels construction

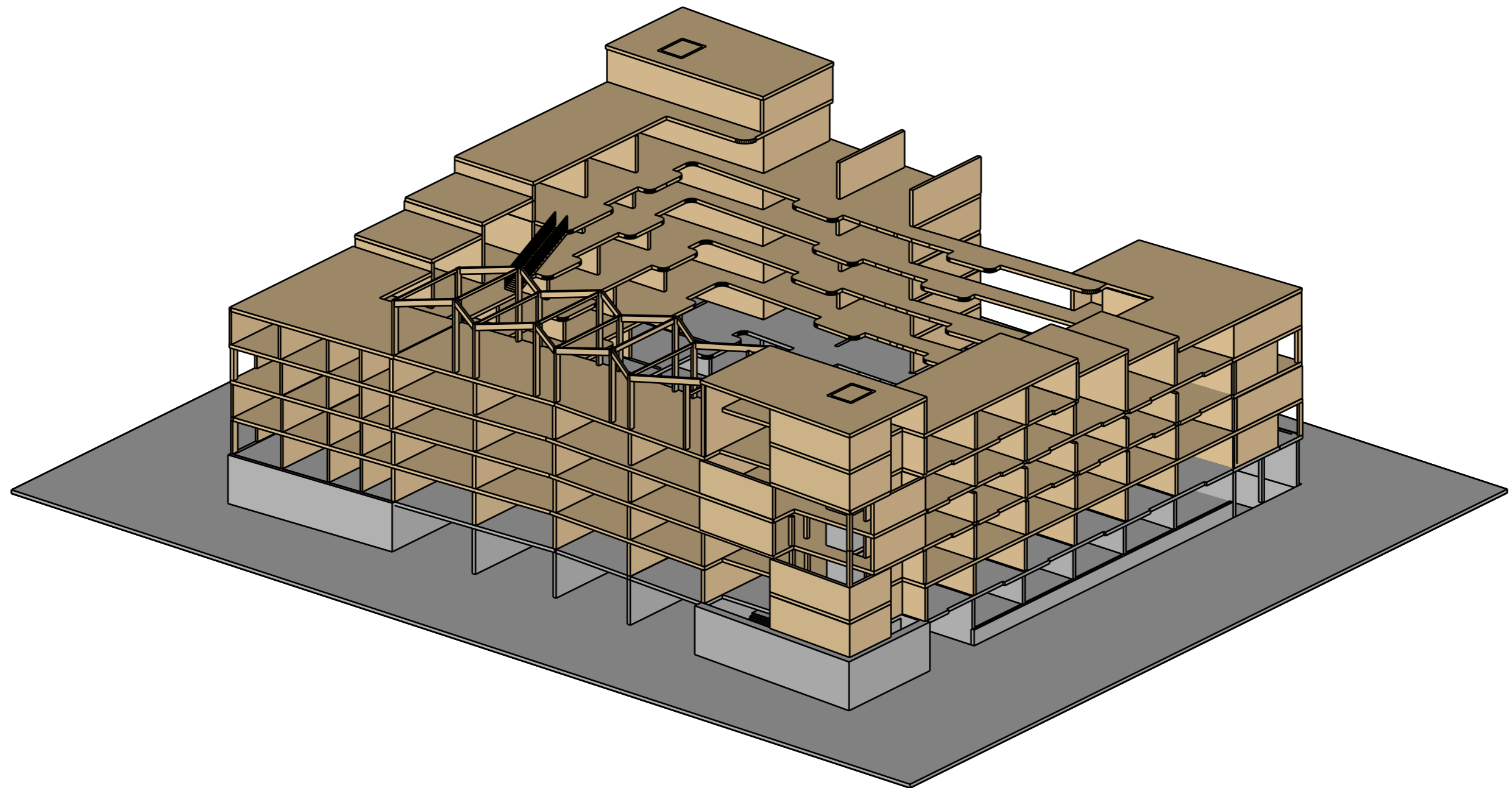
Ground floor
- concrete 'table construction'



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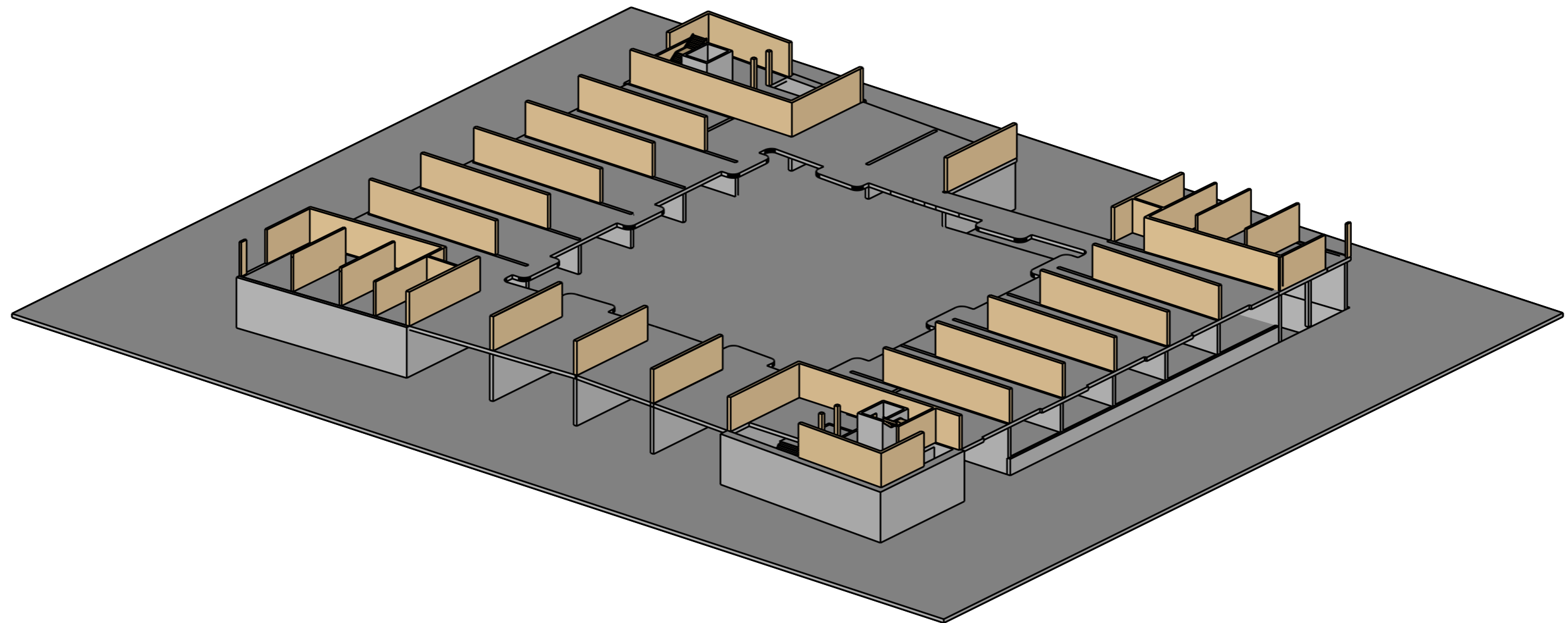
Building construction system



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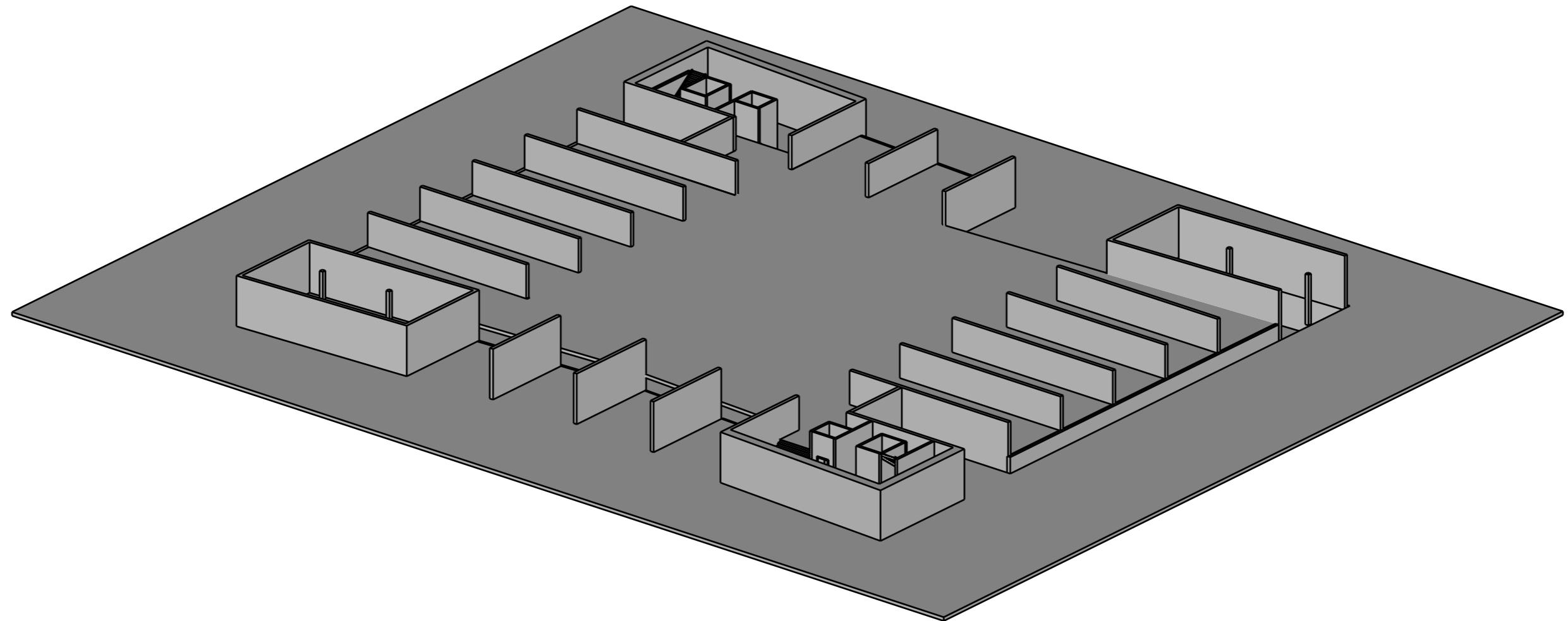
Building construction system



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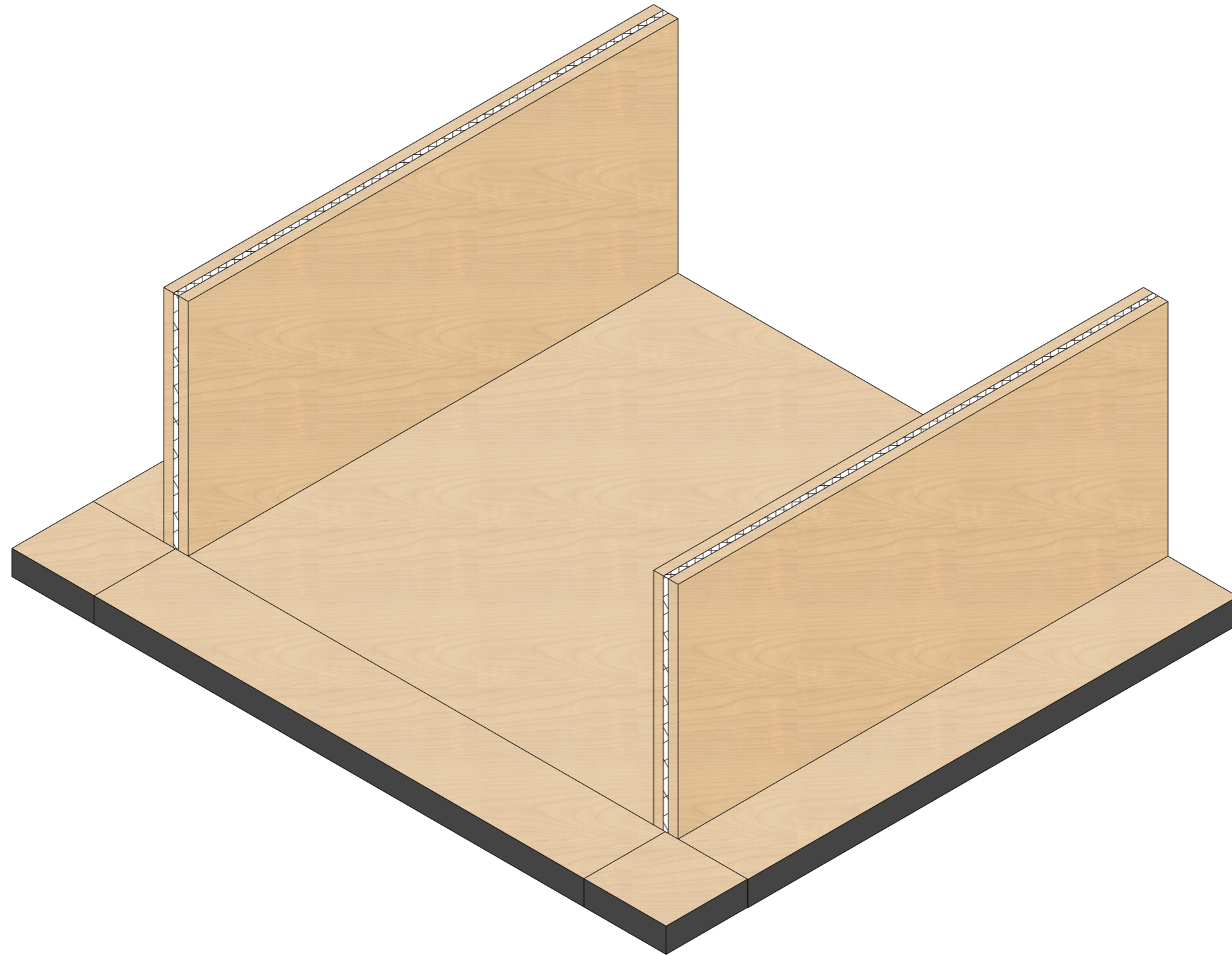
Building construction system



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Building construction system



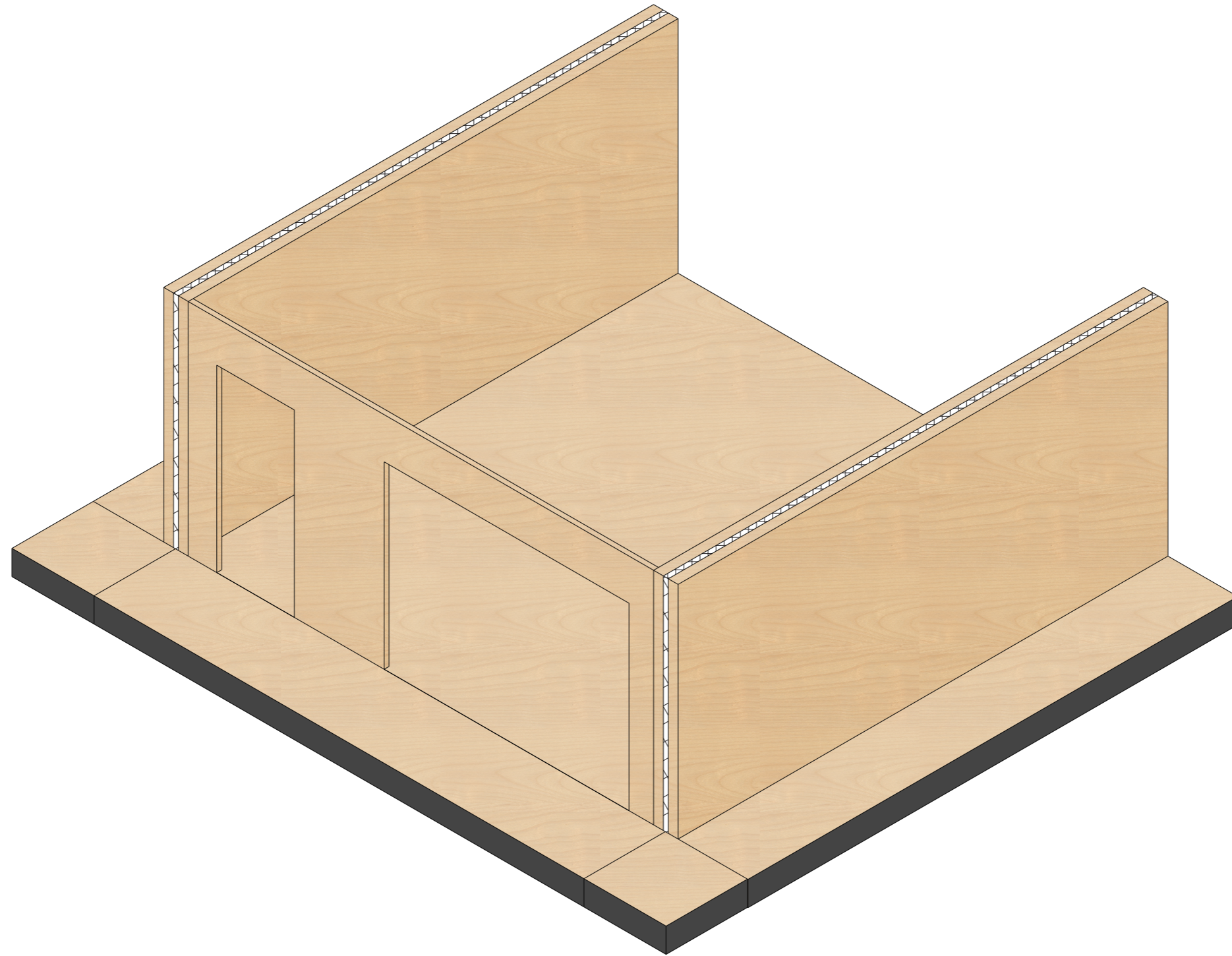
Step 1.

Construction of load bearing CLT elements (partition walls, floors and gallery floors.)

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Building construction system



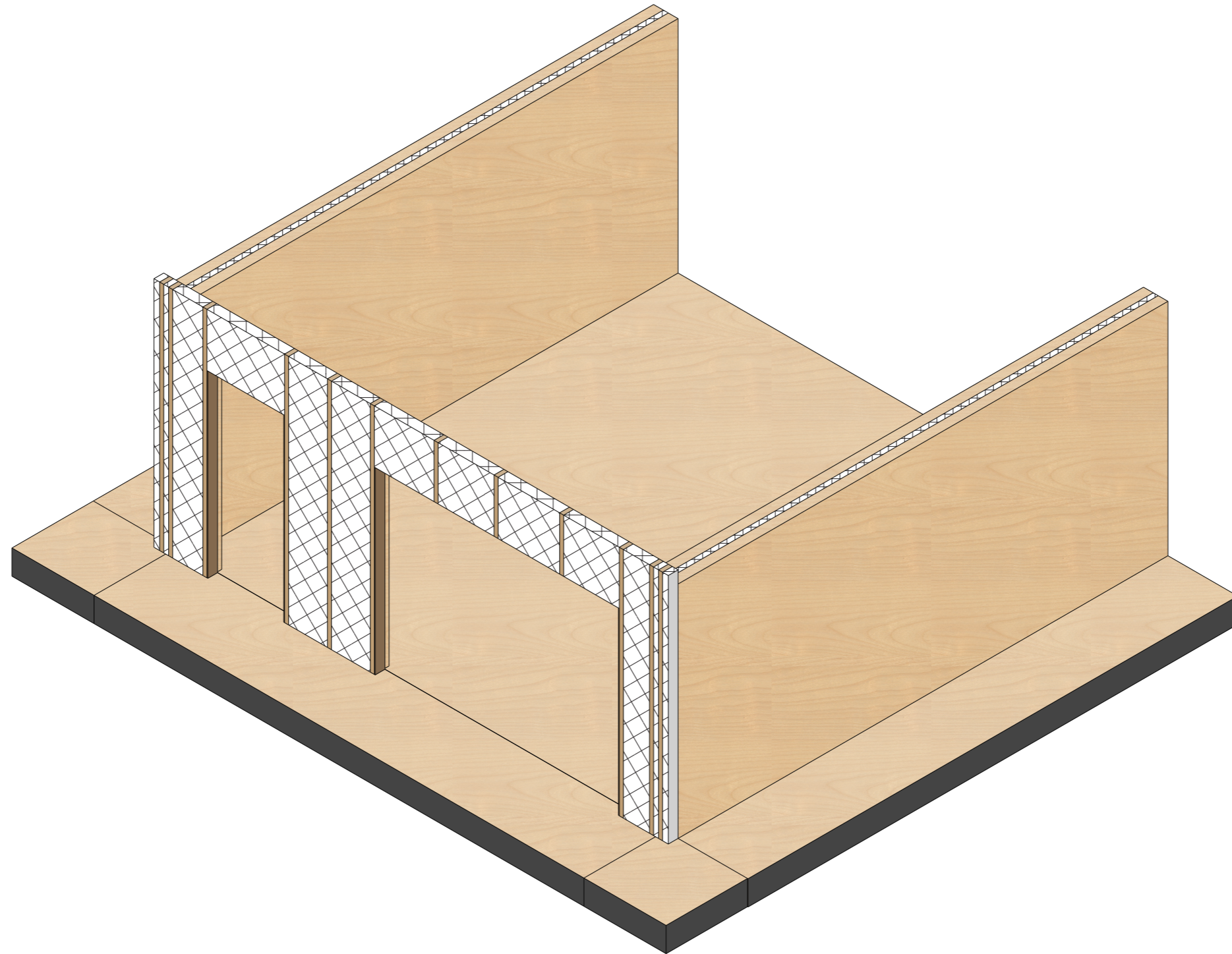
Step 2.

Positioning of the façade's prefabricated CLT panelling.

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Building construction system



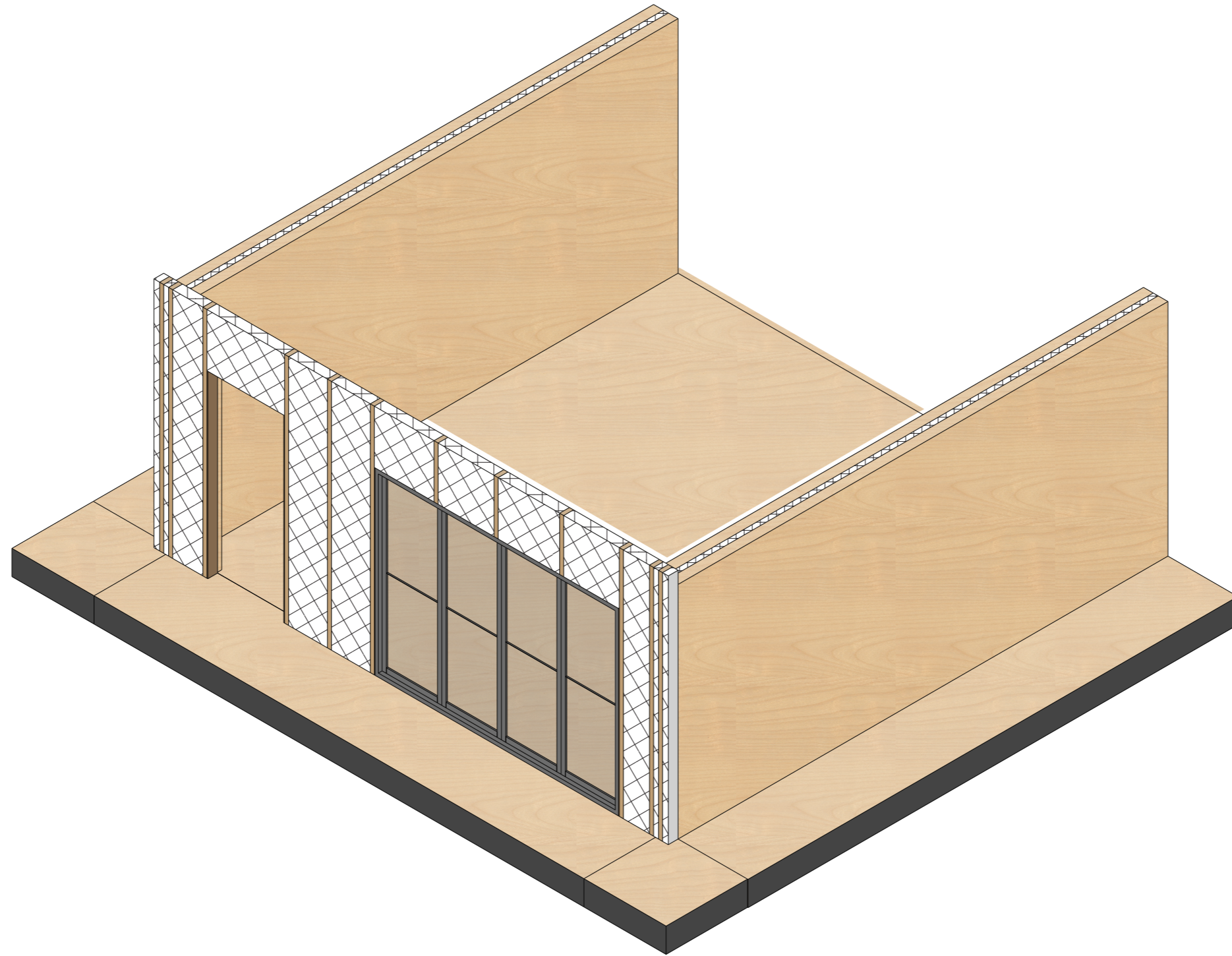
Step 3.

Mounting of the wall's insulation onto a timber batten construction.

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Building construction system



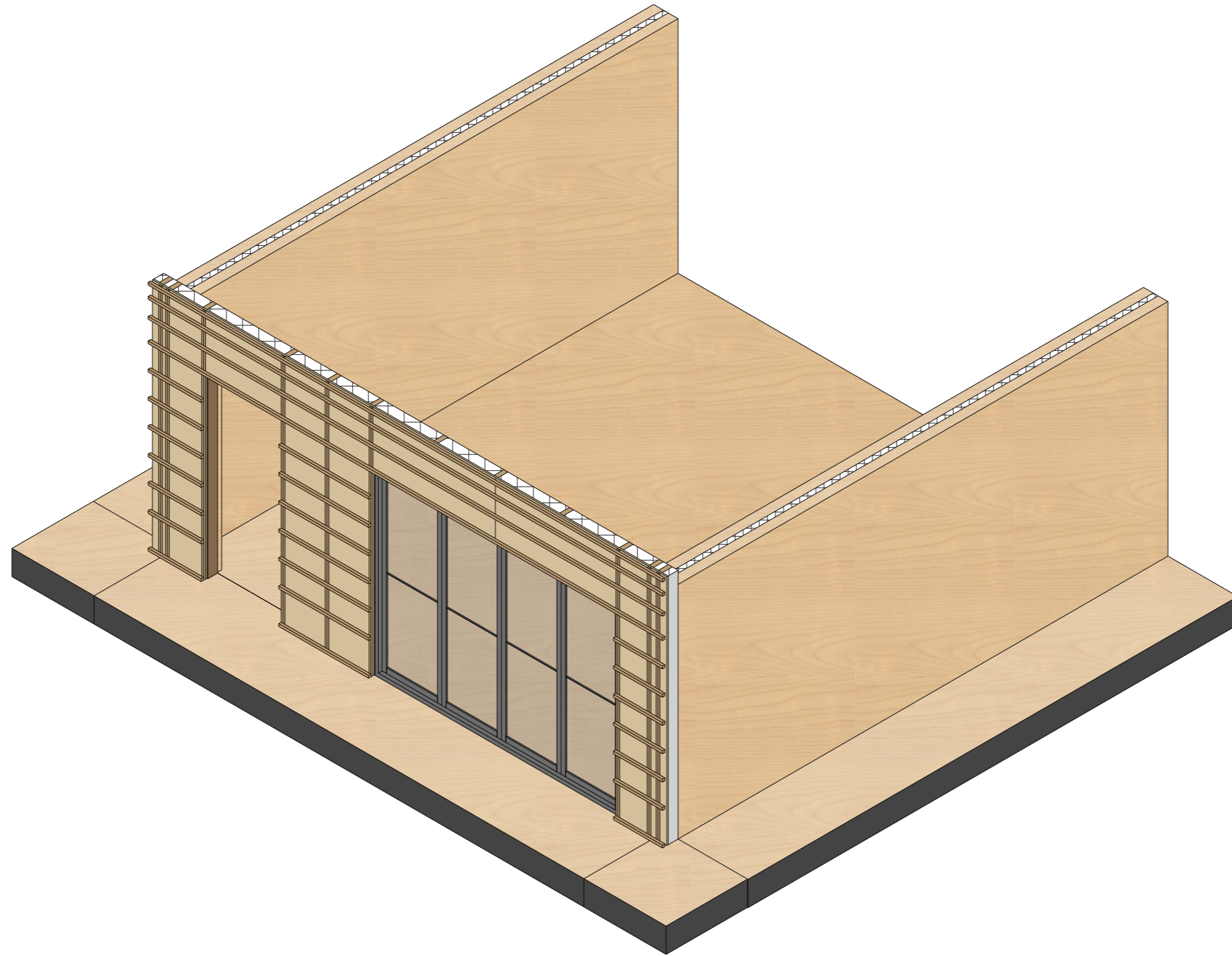
Step 4.

Placing of the prefabricated folding door element together with the ventilation grille system.

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Raising food awareness in the future city

Building construction system



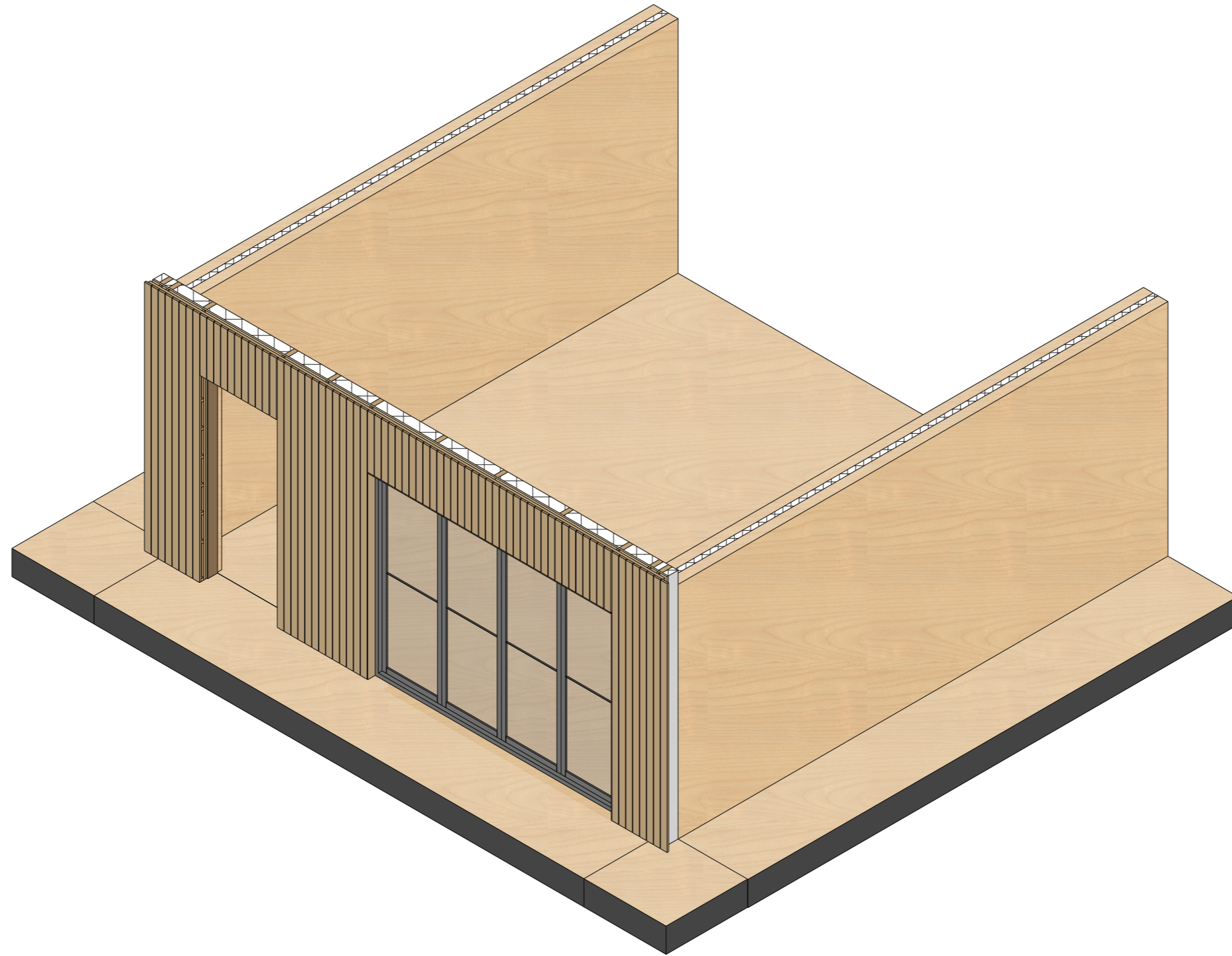
Step 5.

Assembling of horizontal and vertical timber battens on which the facade cladding will be mounted.

NeighbourFOOD

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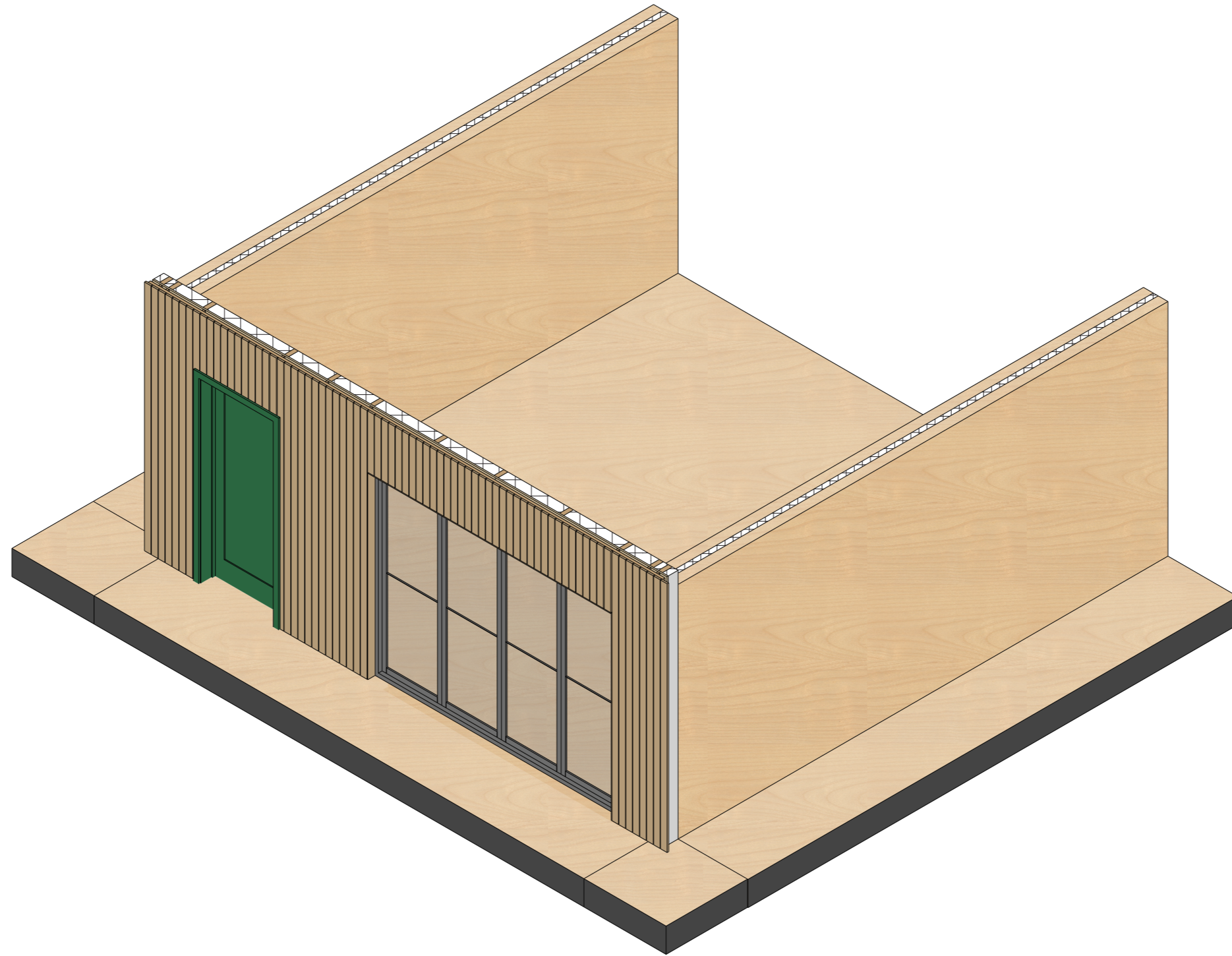
Step 6.

Mounting of wooden panelling (cladding) on the timber construction.

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Step 6.

Placing of the front door frame.



Impressions















Model Photos

