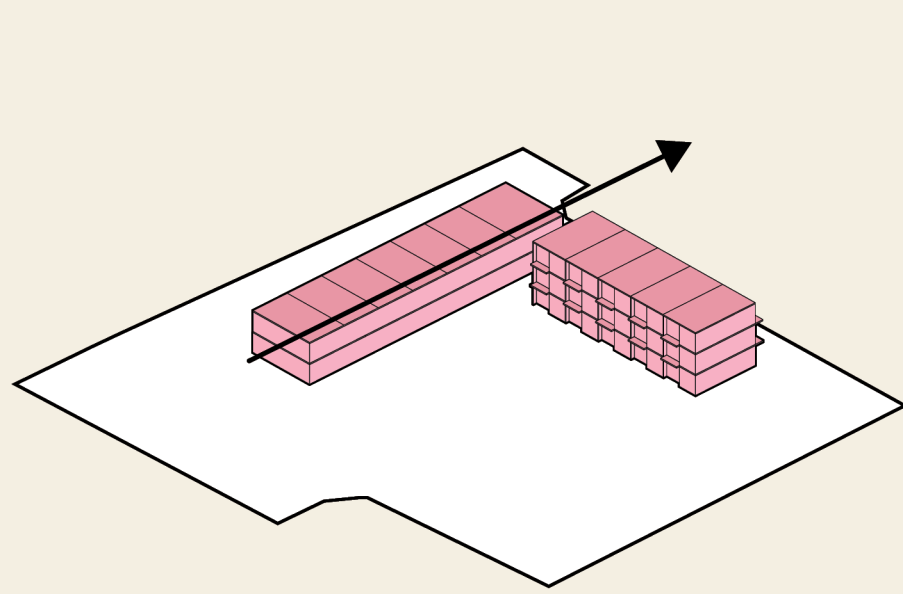


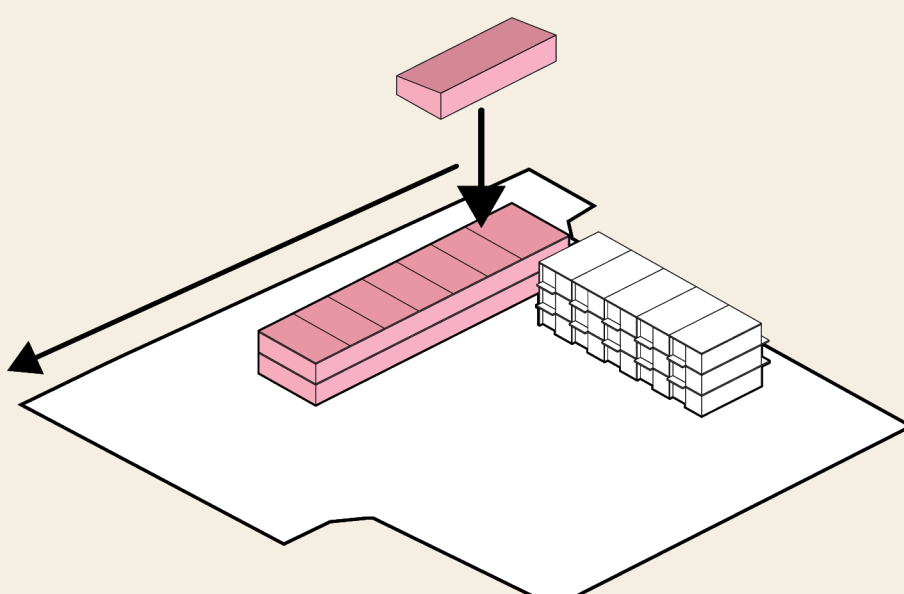
Design

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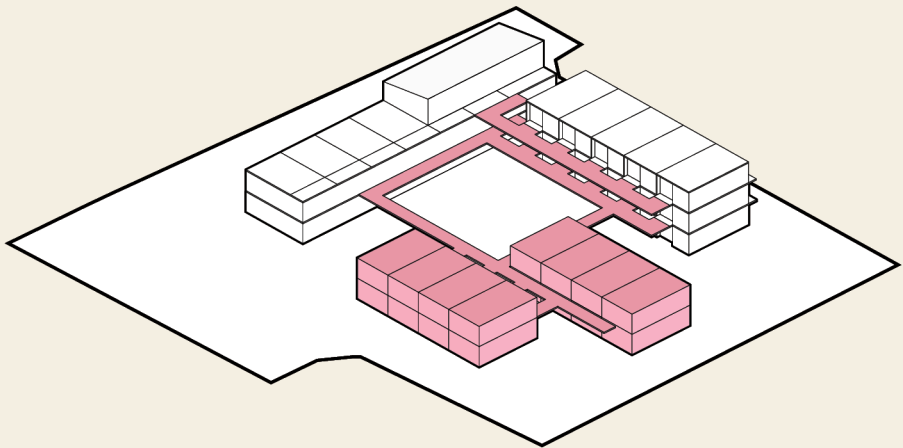
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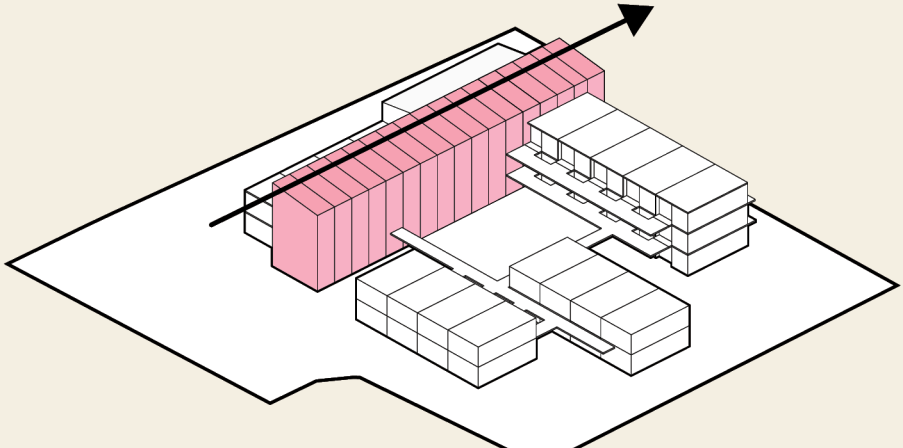
Existing structures and axis



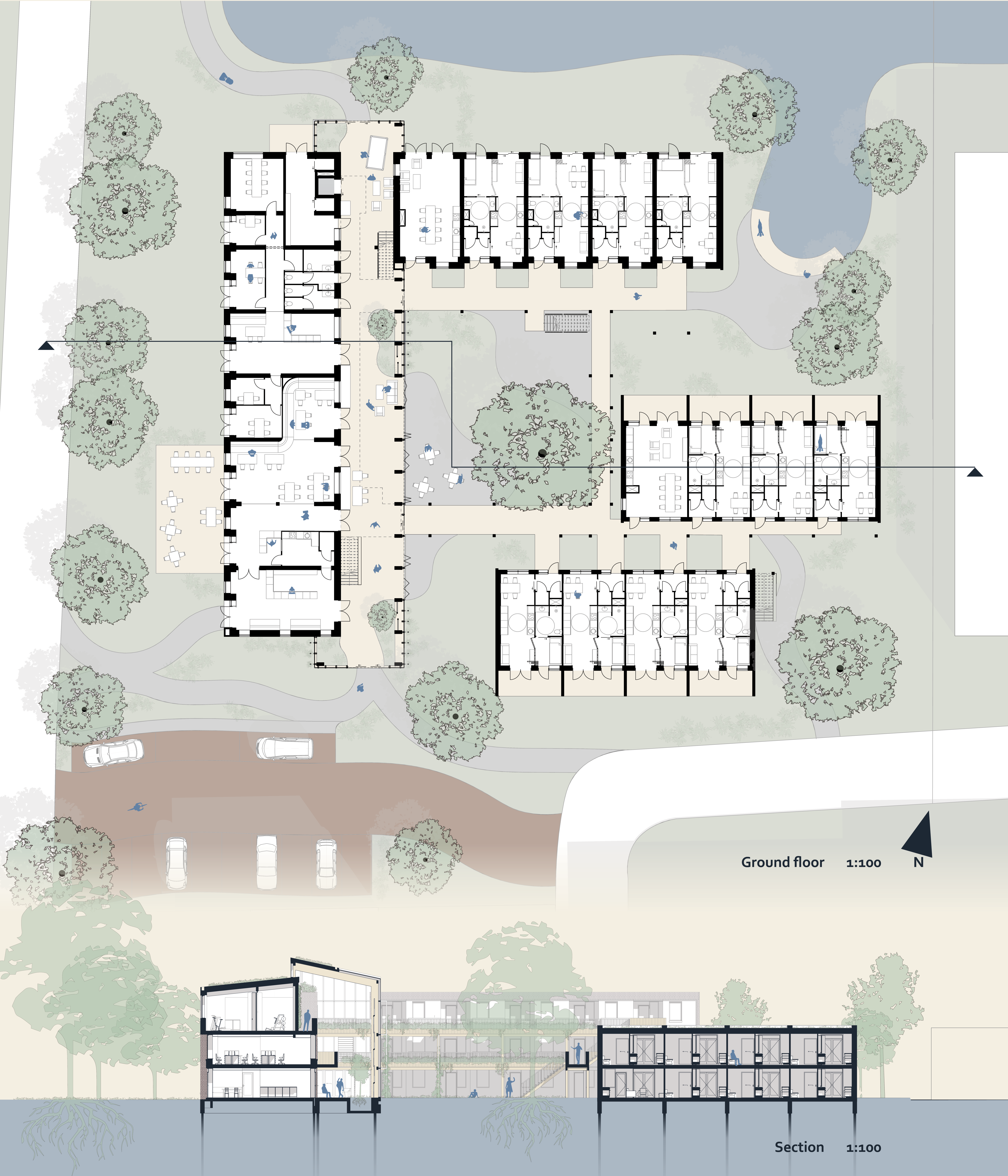
Adding public functions along primary road and fitness space on roof



Adding new modular structures



Adding connecting glass house along axis

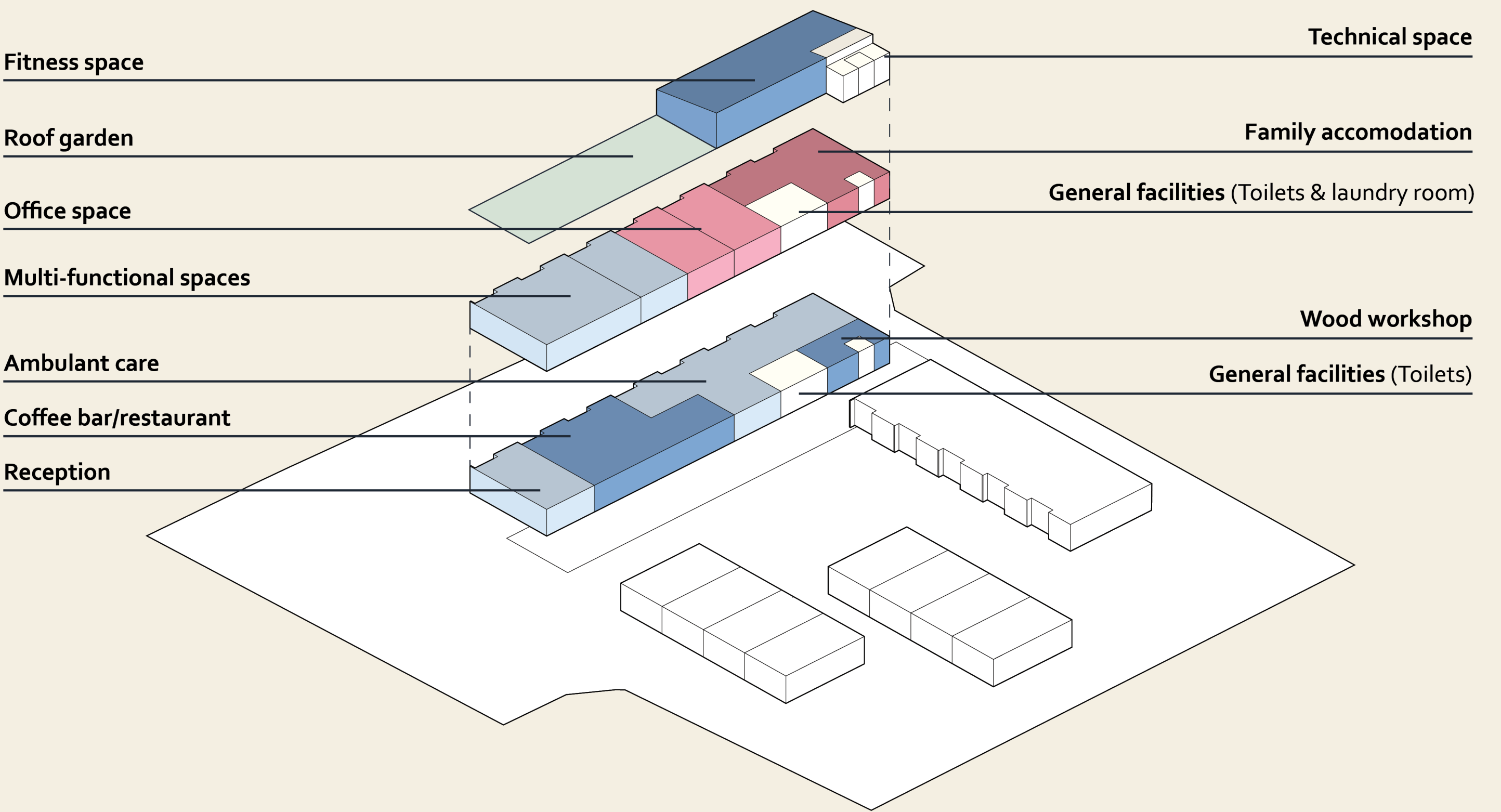




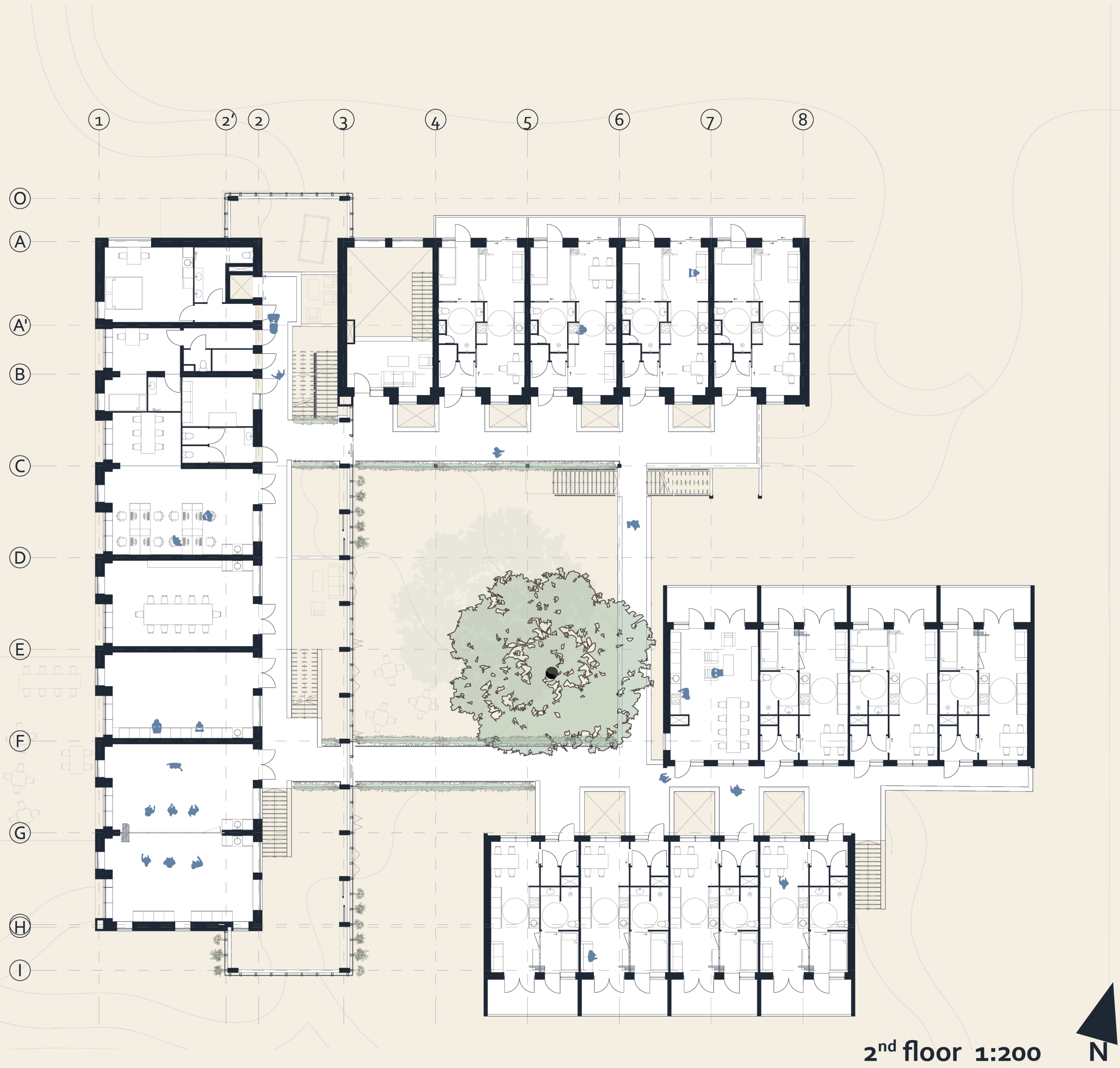
Design

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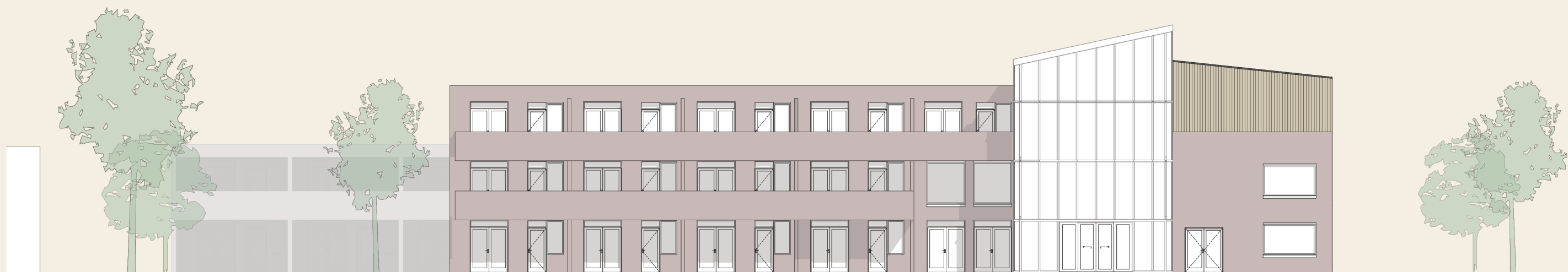
Functions



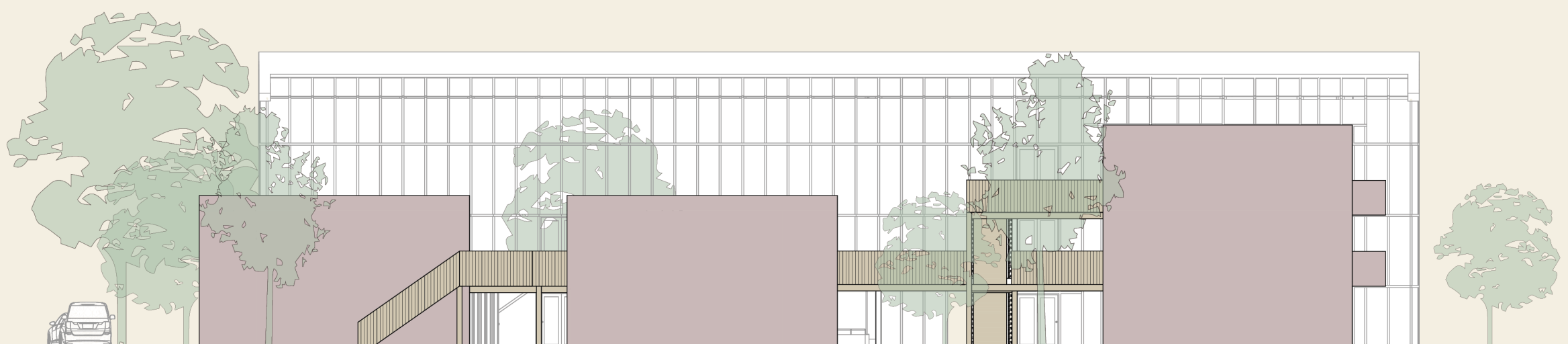
2<sup>nd</sup> floor 1:200



3<sup>rd</sup> floor 1:200



Elevation | North 1:200



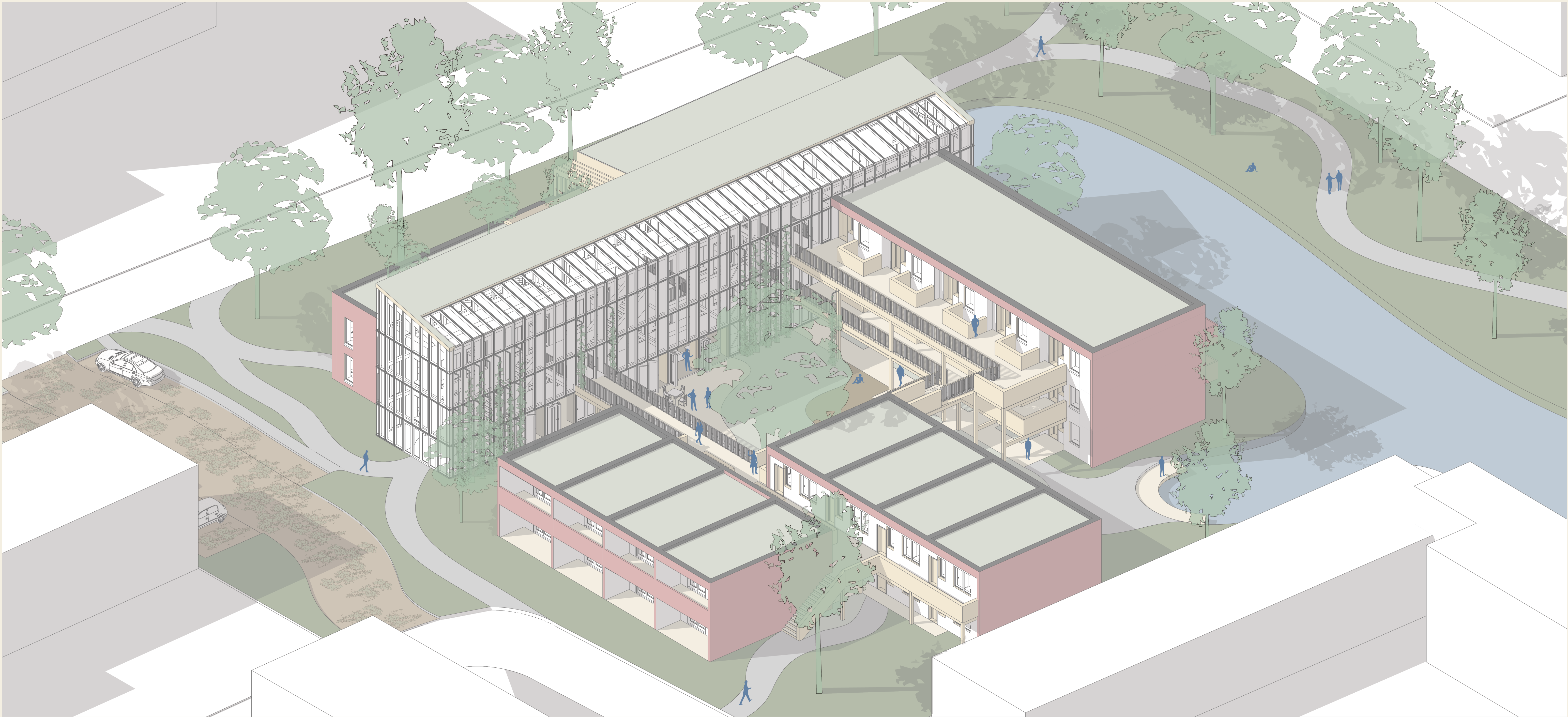
Elevation | East 1:200



Design

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6

7

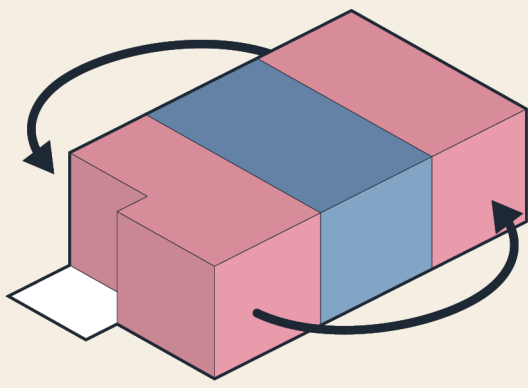
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6

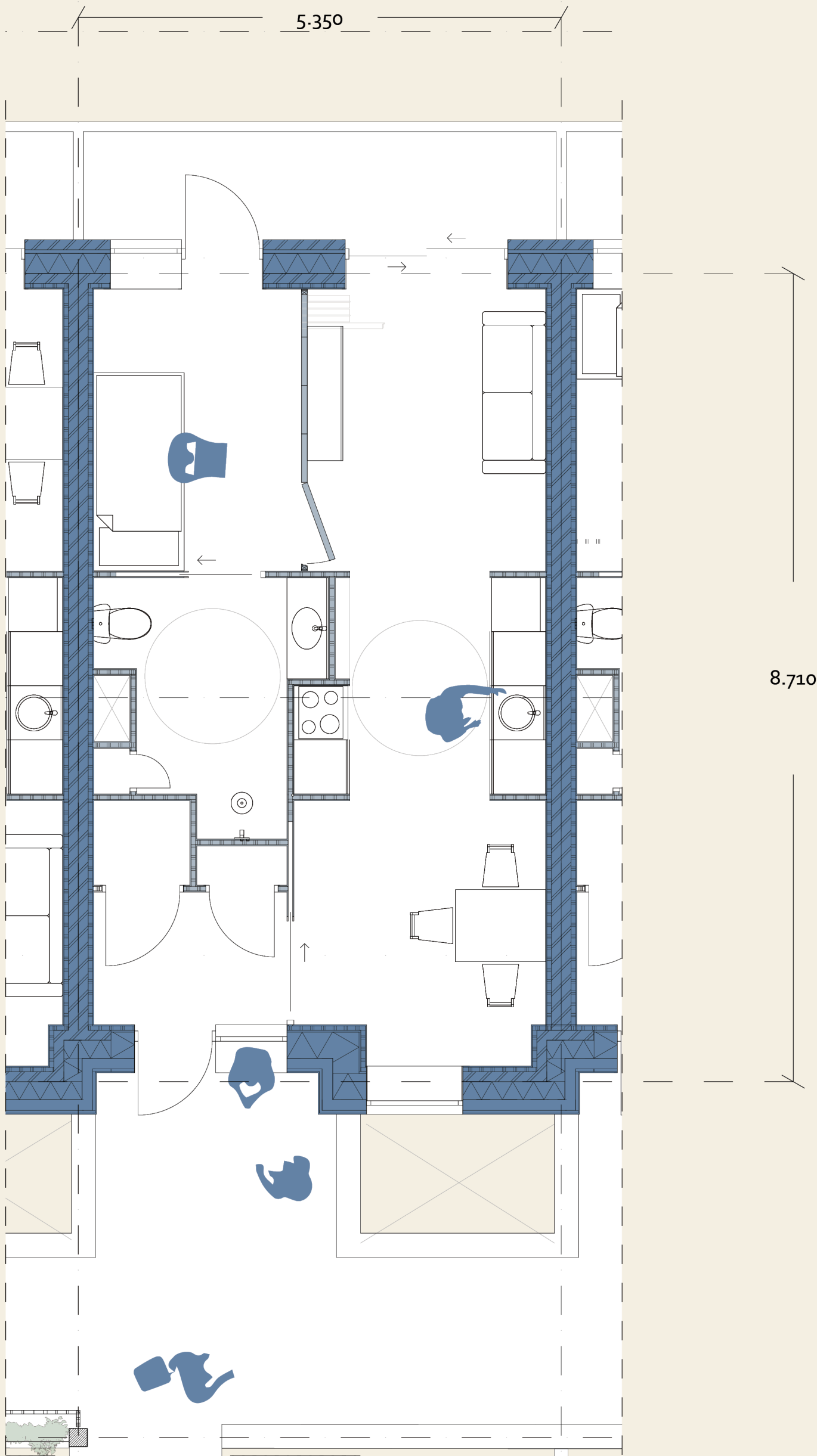
7

8

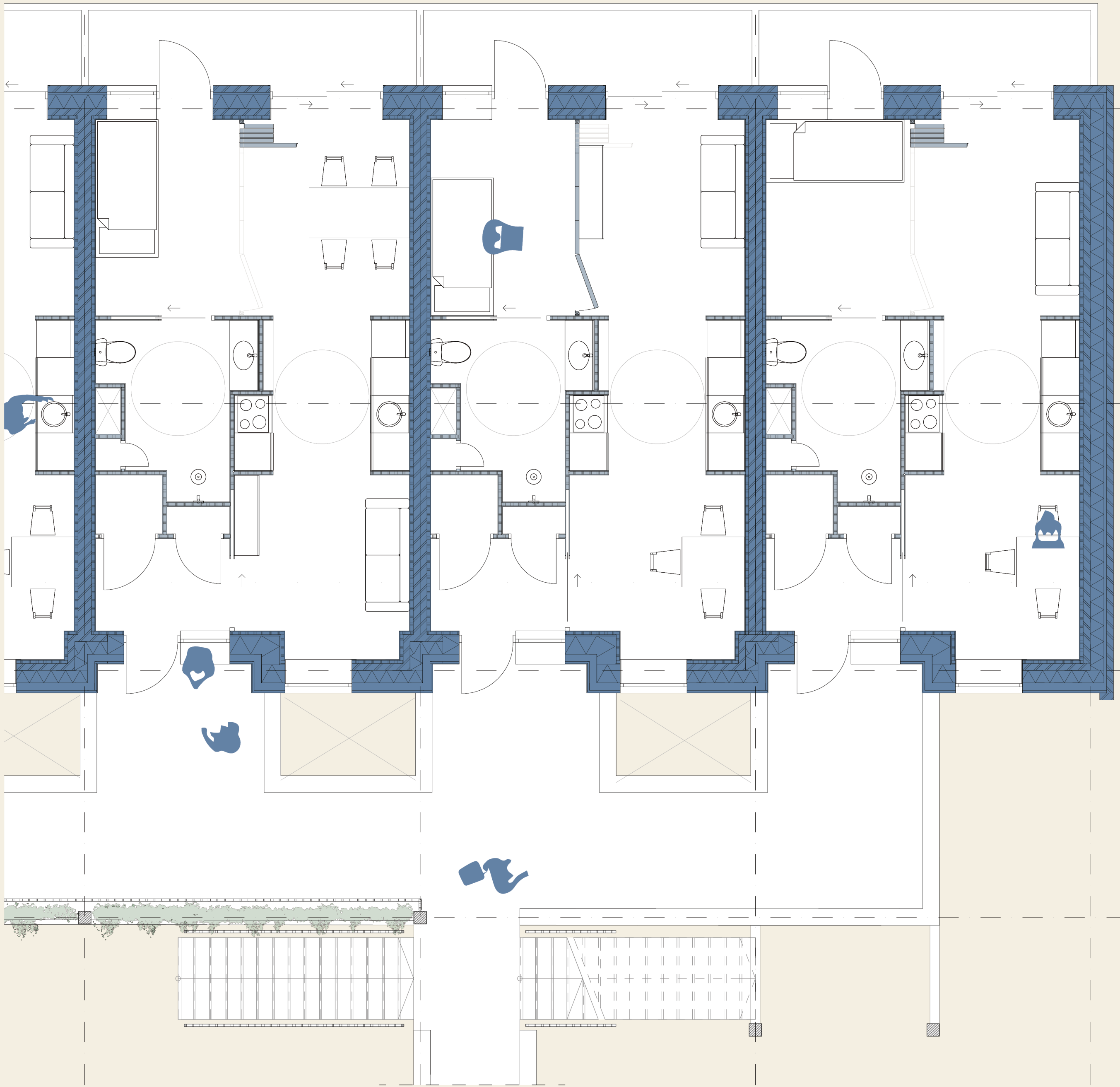
Dwelling



The dwellings are designed with the kitchen and bathroom in the center, creating two spaces in front and in the back, which can be used how the inhabitant wants. This is reinforced by a folding wall and sliding doors



Dwelling (existing complex) 2<sup>nd</sup> floor 1:50

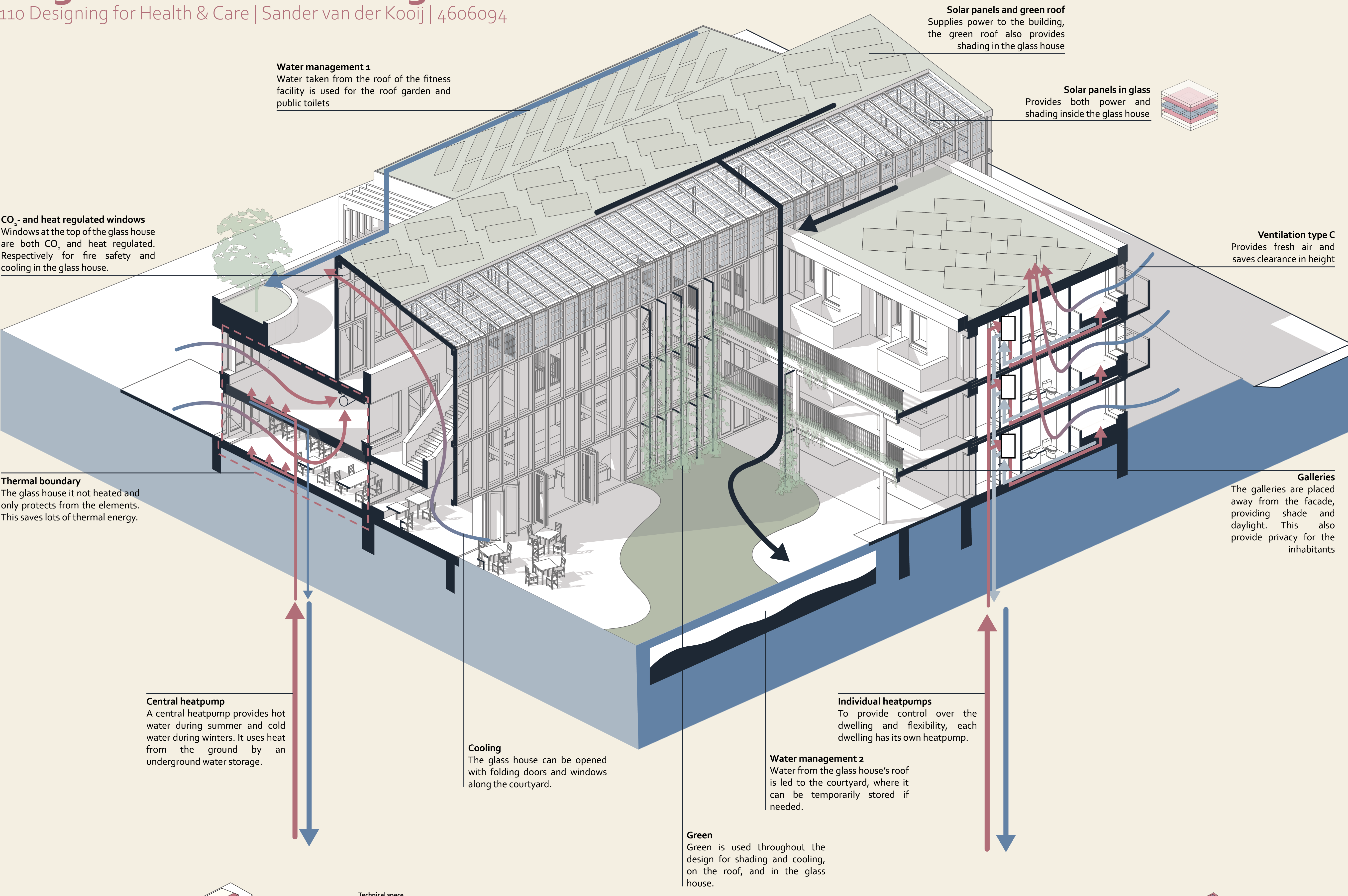


Elevation | South 1:200



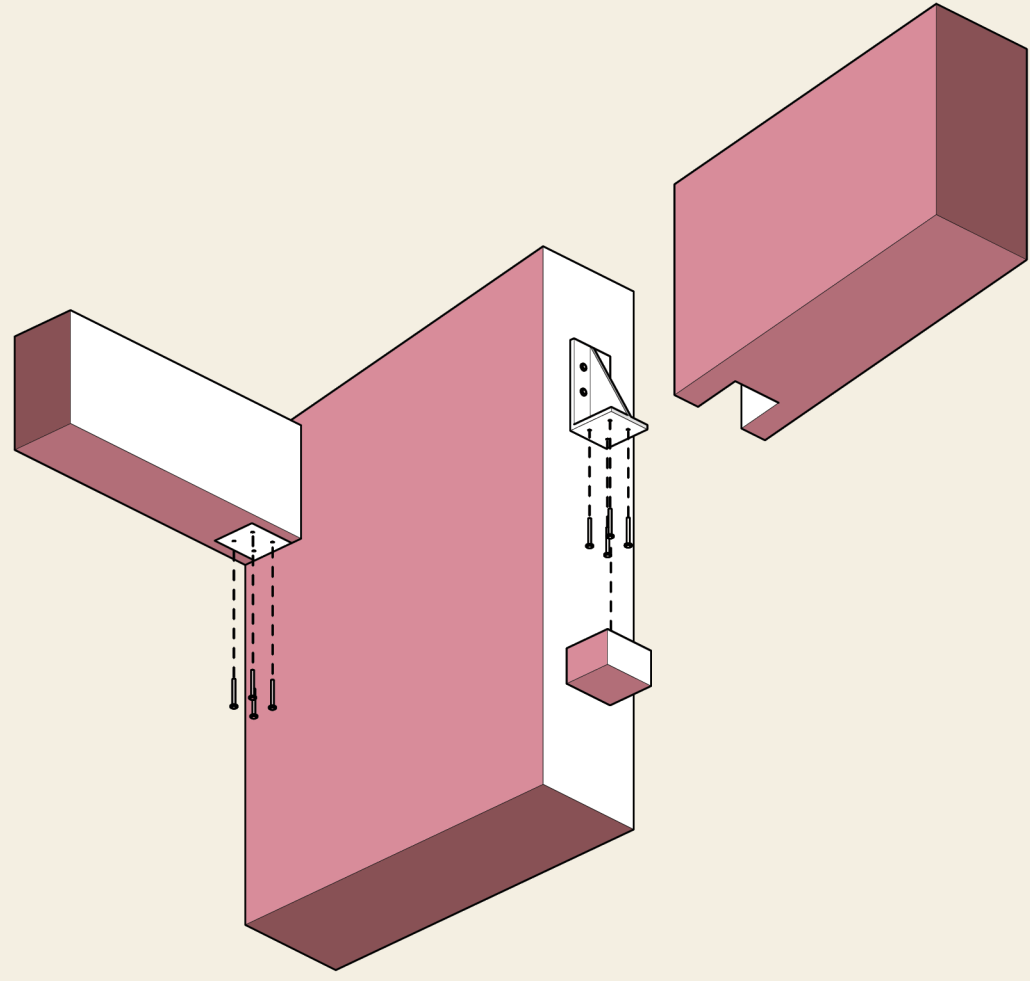
Elevation | West 1:200



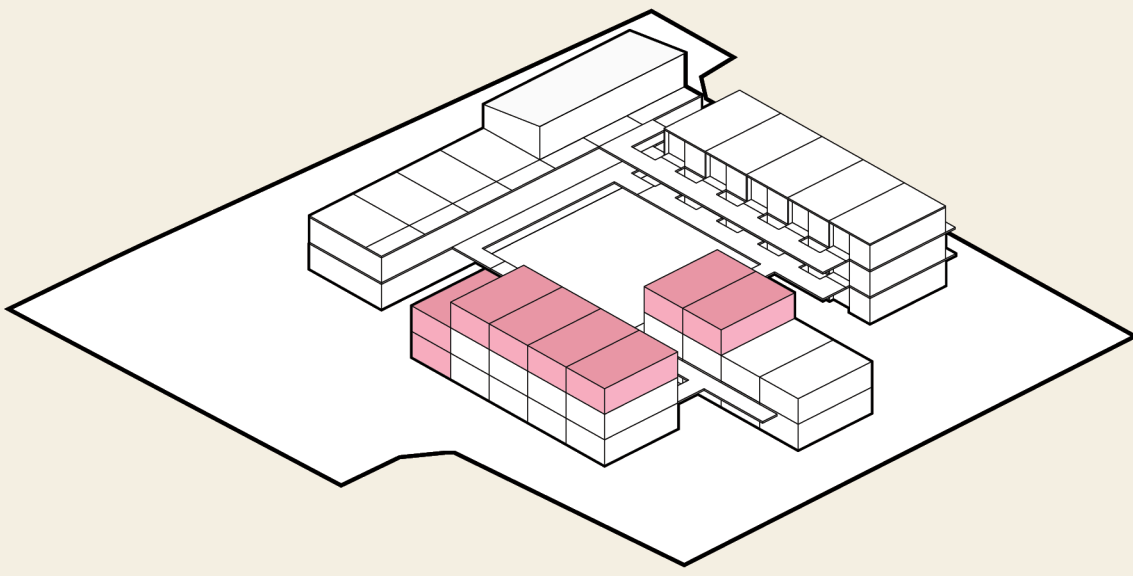


### Beam and column detail glass house

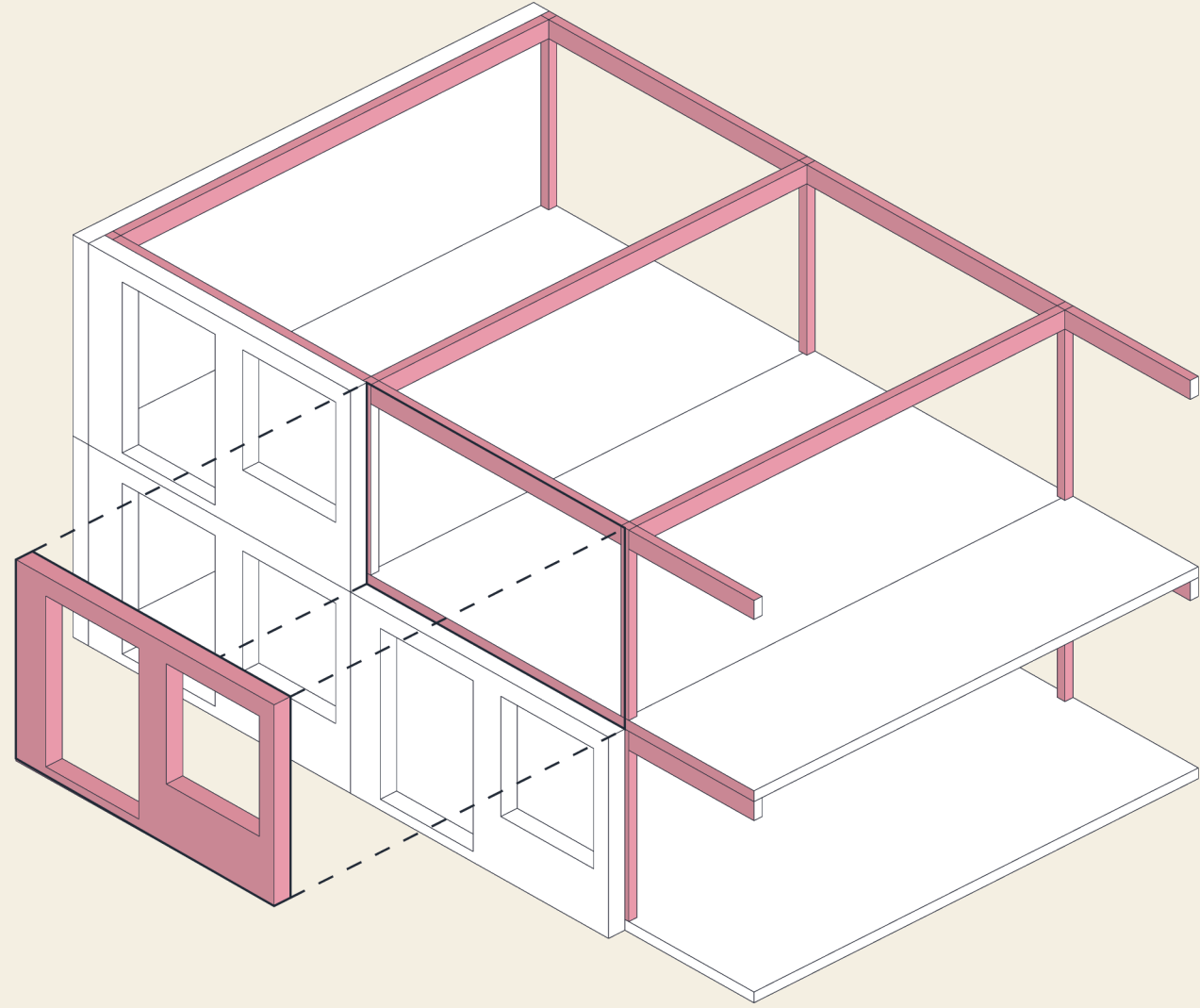
The connection of the beams is hidden



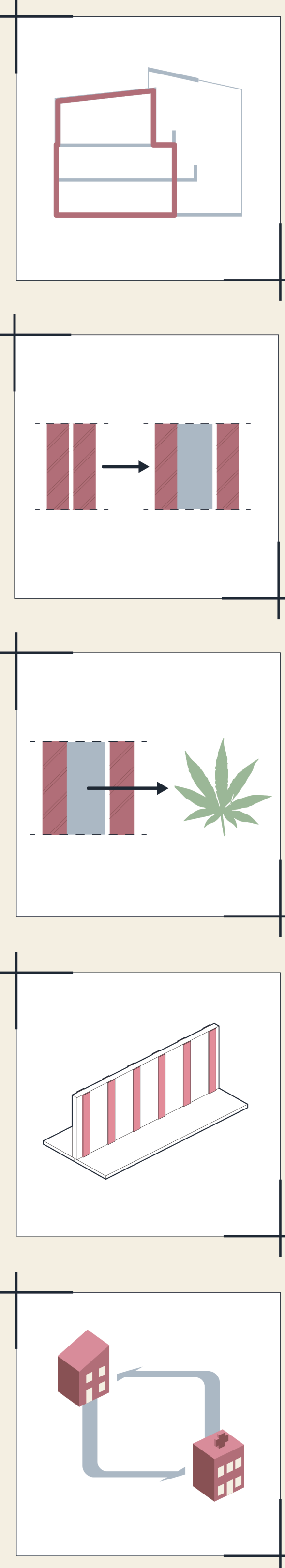
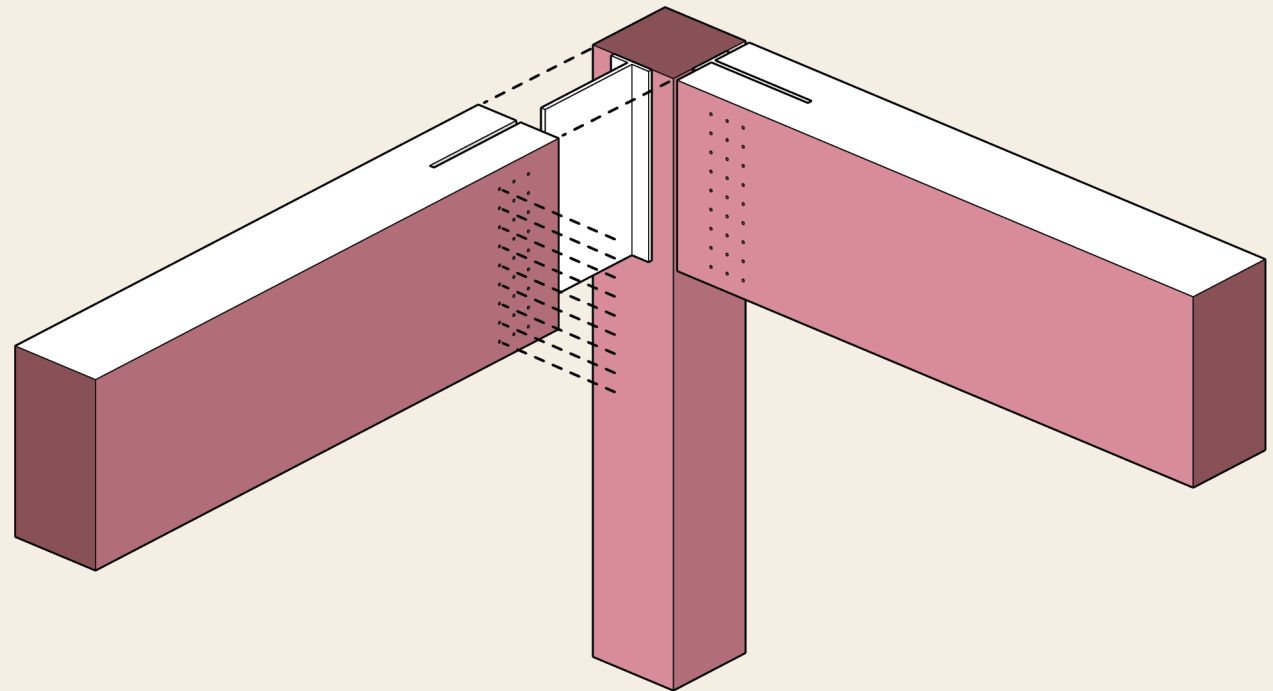
### Modular housing



The new construction uses mass timber columns and beams (similar to the glass house) and a modular connection system which is able to be easily expanded and demountable for use in other locations.



### Beam and column connection detail



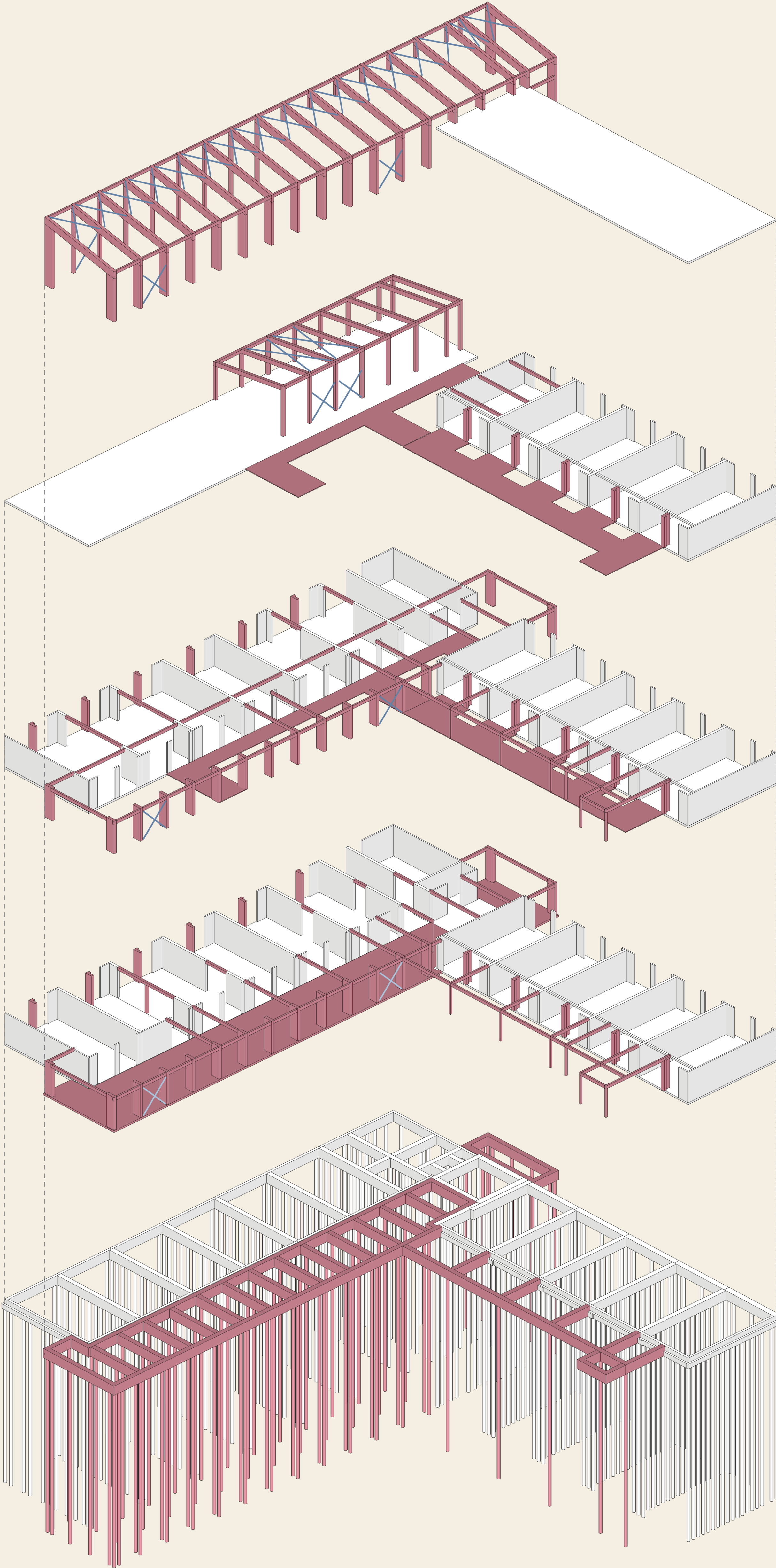
**Refuse** | Heating the glass house, decreasing the need for more material and energy

**Reuse** | Transformation of the existing complex and reusing facade material

**Reduce** | Increasing the use of renewable sources. Using more sustainable materials like hemp

**Refurbish** | Reinforcing the existing structure

**Rethink** | Creating structures that can be used for different purposes in the future



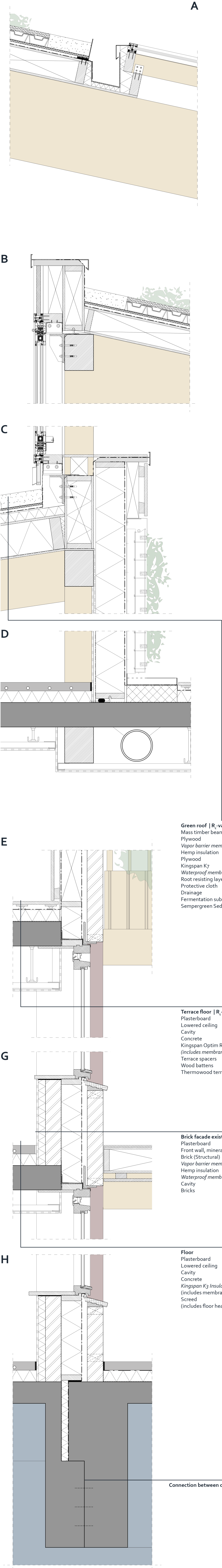


Design | Detail section

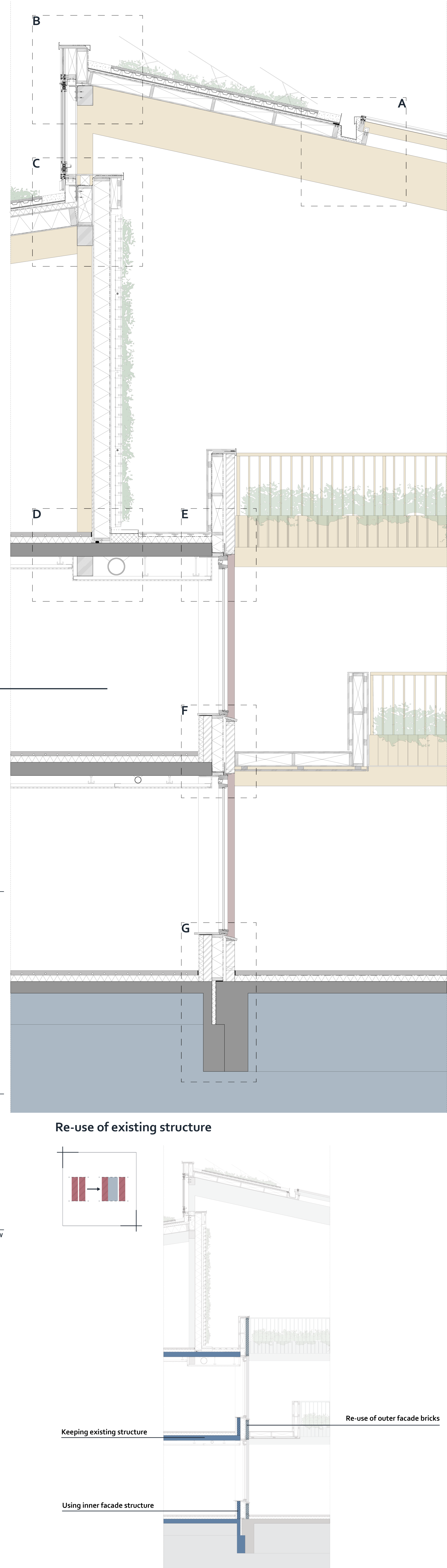
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1:10 Details



1:20 Section



1:20 Elevation



1:20 Floor plan

