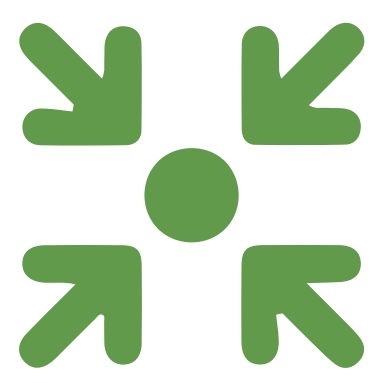


ReCoNet

Recycling community network



MACRO

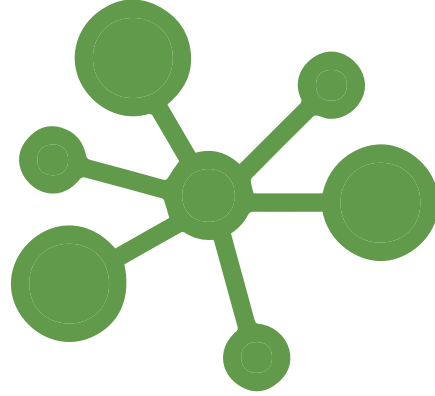


Reconnect the site

The composition of ReCoNet is designed around the concept of a recycling community. Taking the social, ecological and economical sustainability as its key starting point, ReCoNet aims to create a well-balanced and versatile contemporary solution that minimise the use of plastic and maximum the potential of plastic waste.

Standing at the heart of the North Arnhem, the site has a capacity for a development with a landmark character: a symbol of a circular new community. By putting a plastic factory on site, 80% of household plastic waste can be recycled, saving 400Mt CO₂ per year.

MESO



Reconnect the neighbour

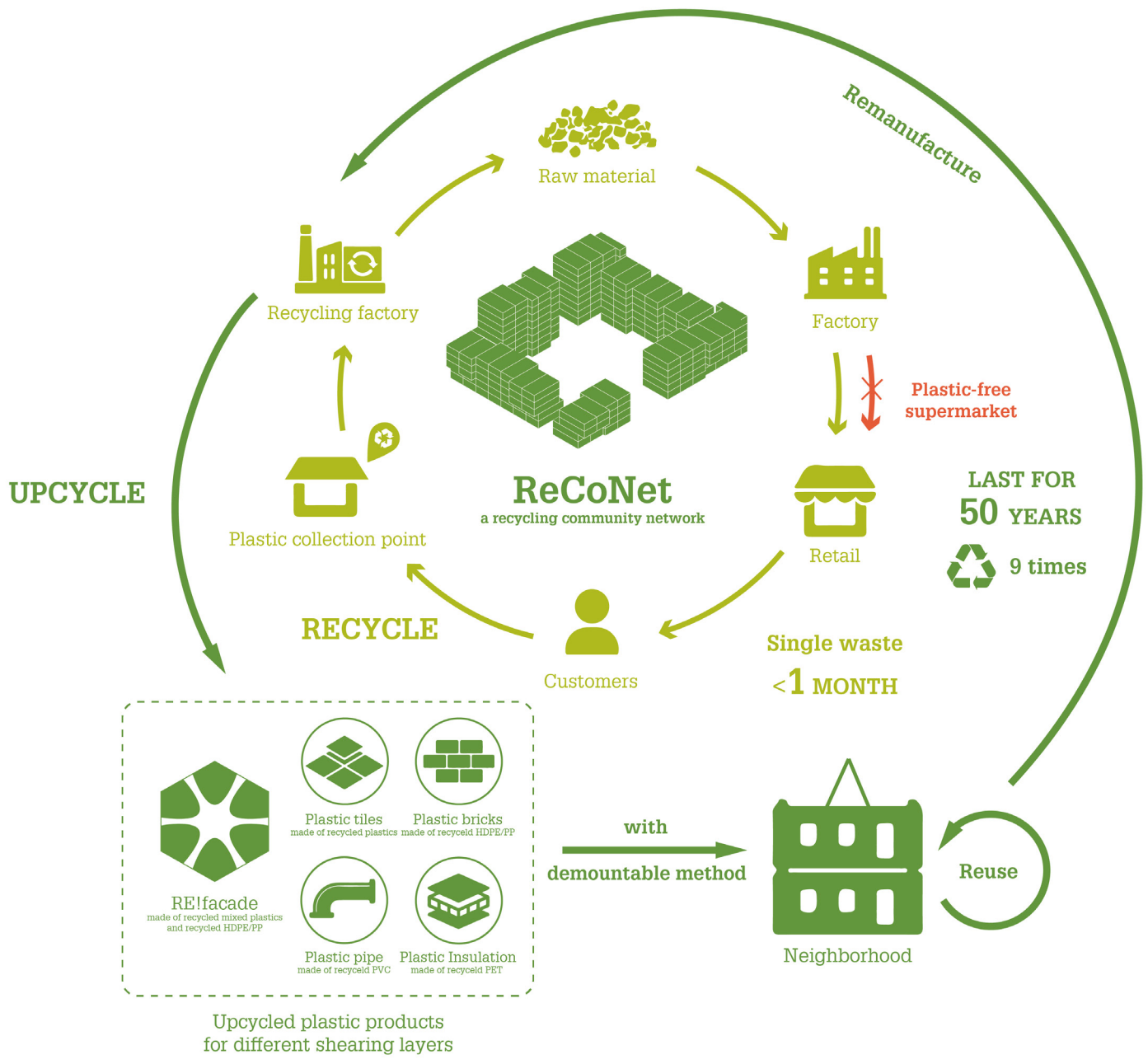
Semi-open U-shaped urban blocks developed along the existing street pattern. The potential of a living-in-a-park ambient is further amplified by the accessibility concept that facilitates a car-free courtyard that is fully dedicated to the pedestrians and cyclists.

To improve the quality of life for residents and increase biodiversity, a nature-inclusive design approach is implemented in the design. The unique plastics plug-in facade provide living space for insects and birds with nesting boxes and insect walls.

MICRO



Reconnect the nature

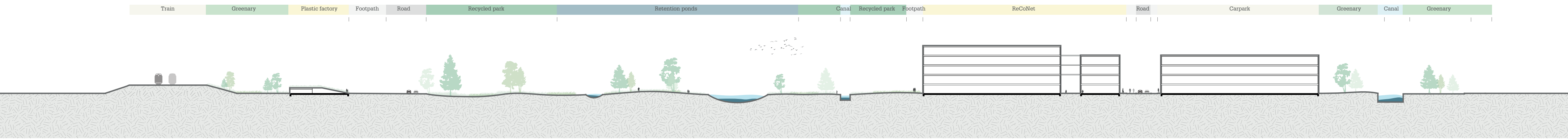


| ReCoNet circular concept |

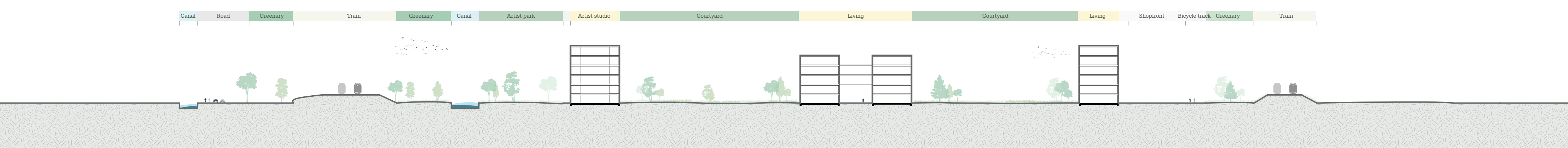




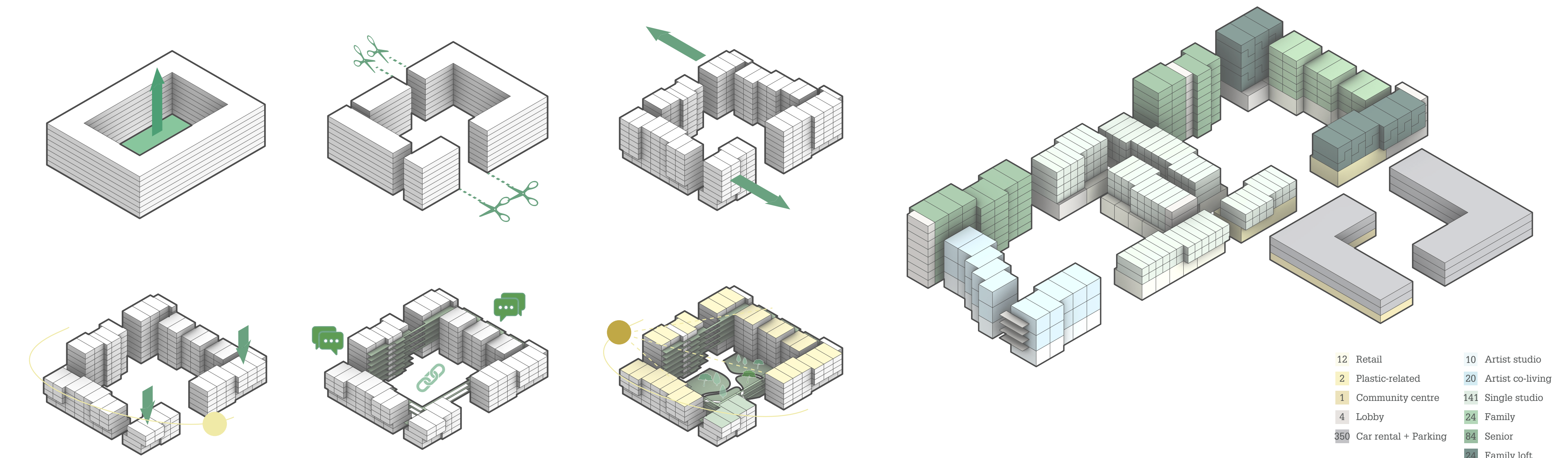
| Site situation plan 1:2000 |



| Site section AA' 1:2000 |

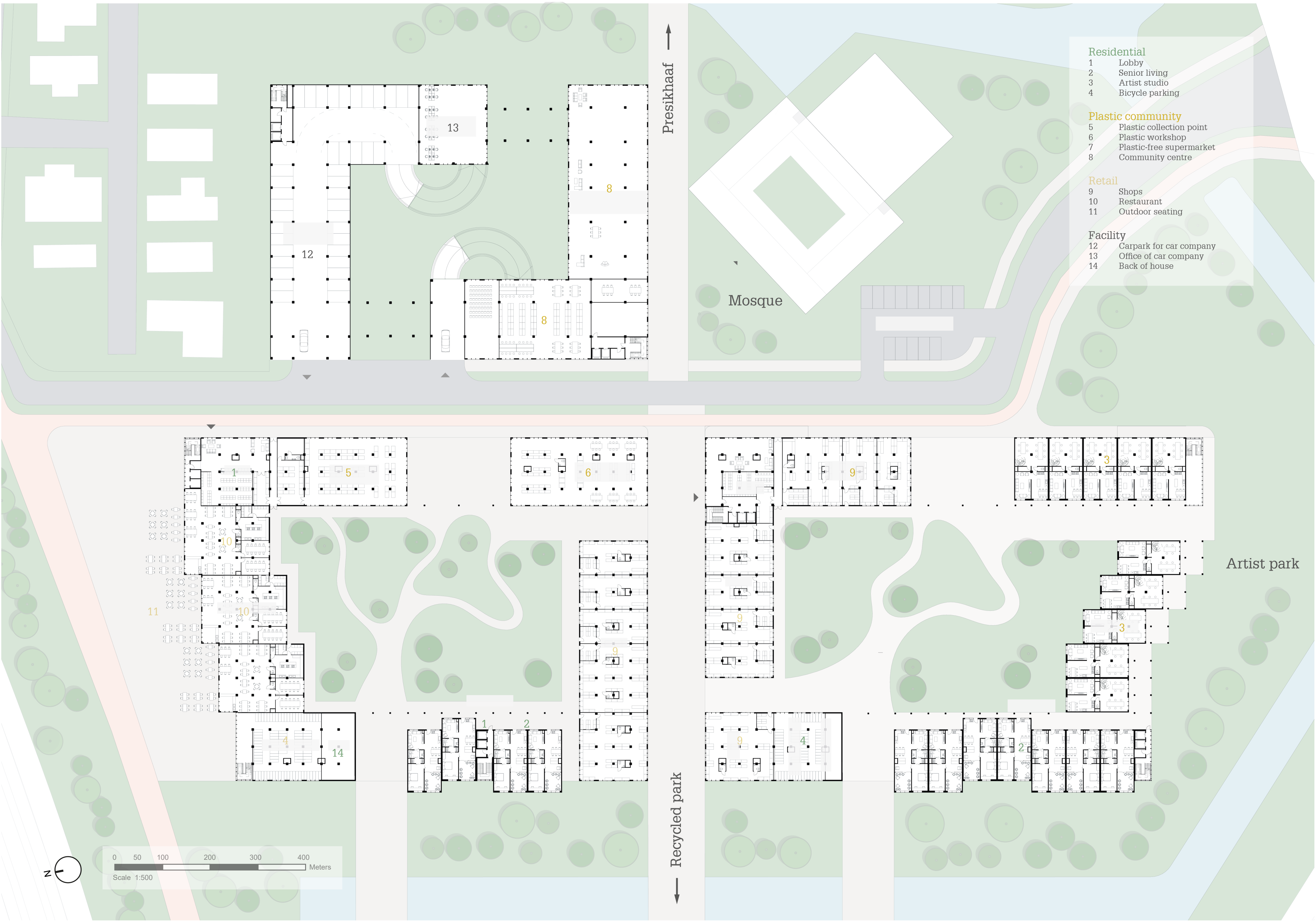


| Site section BB' 1:2000 |

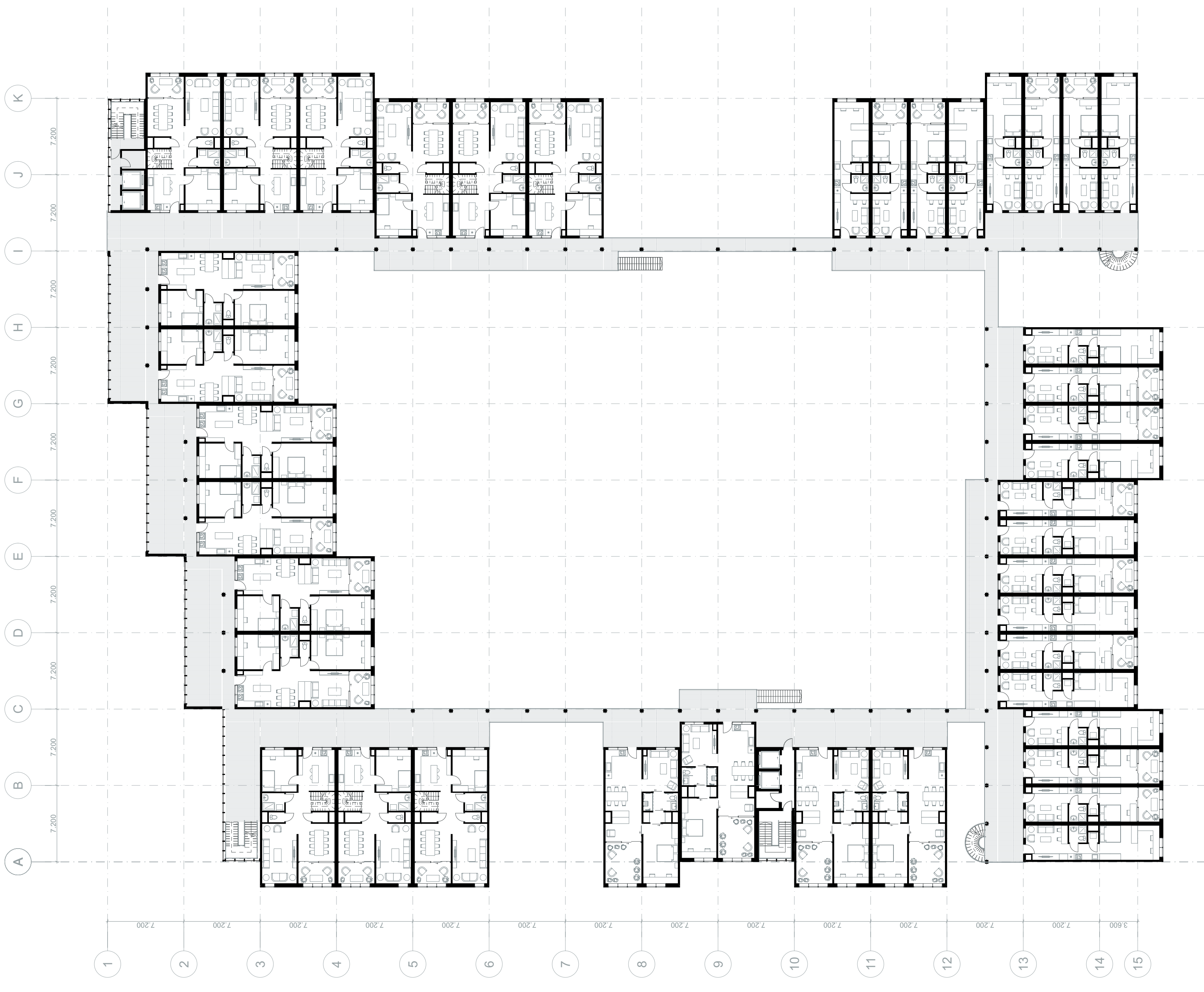


| Concept diagram |

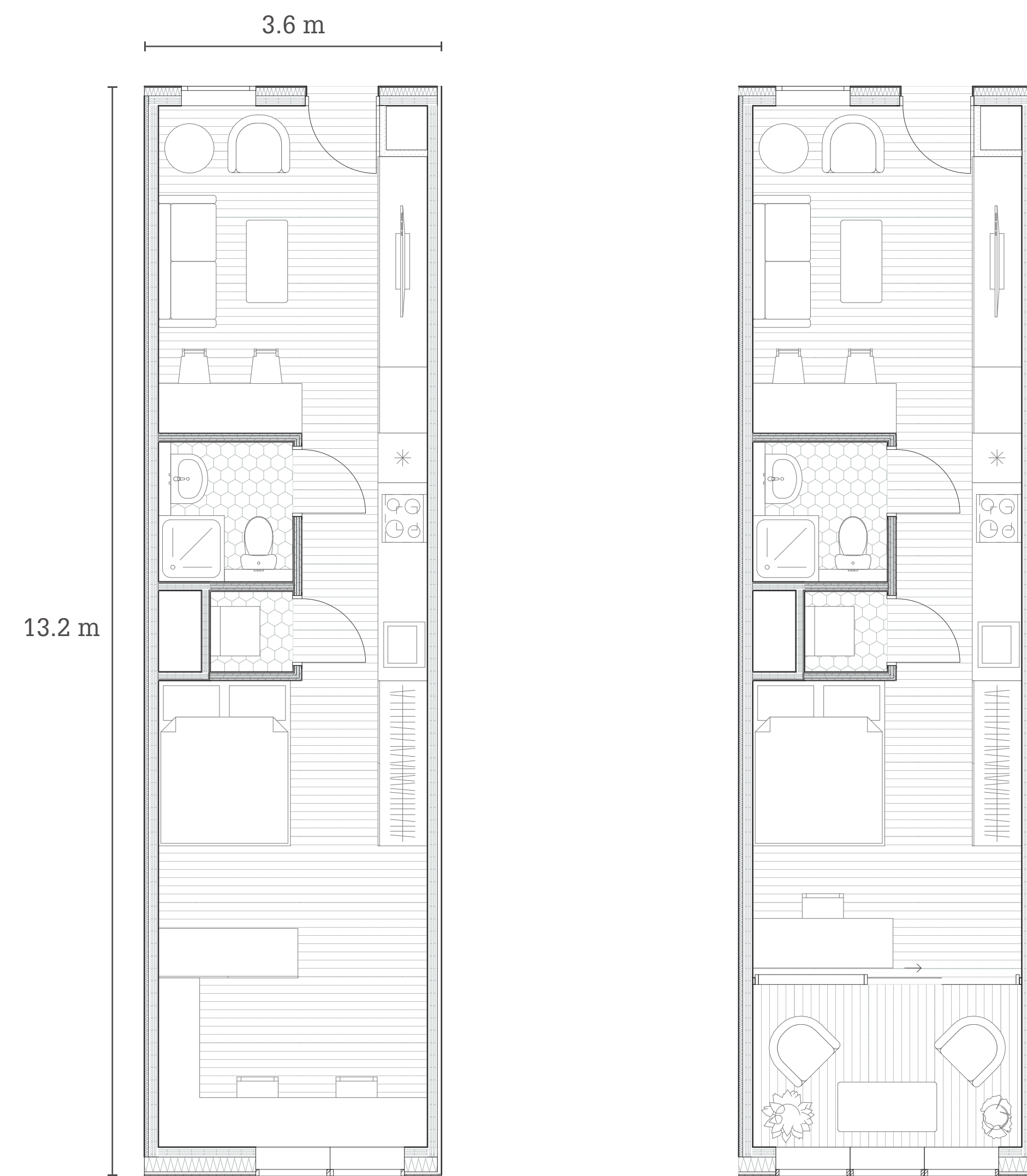
| Program arrangement |



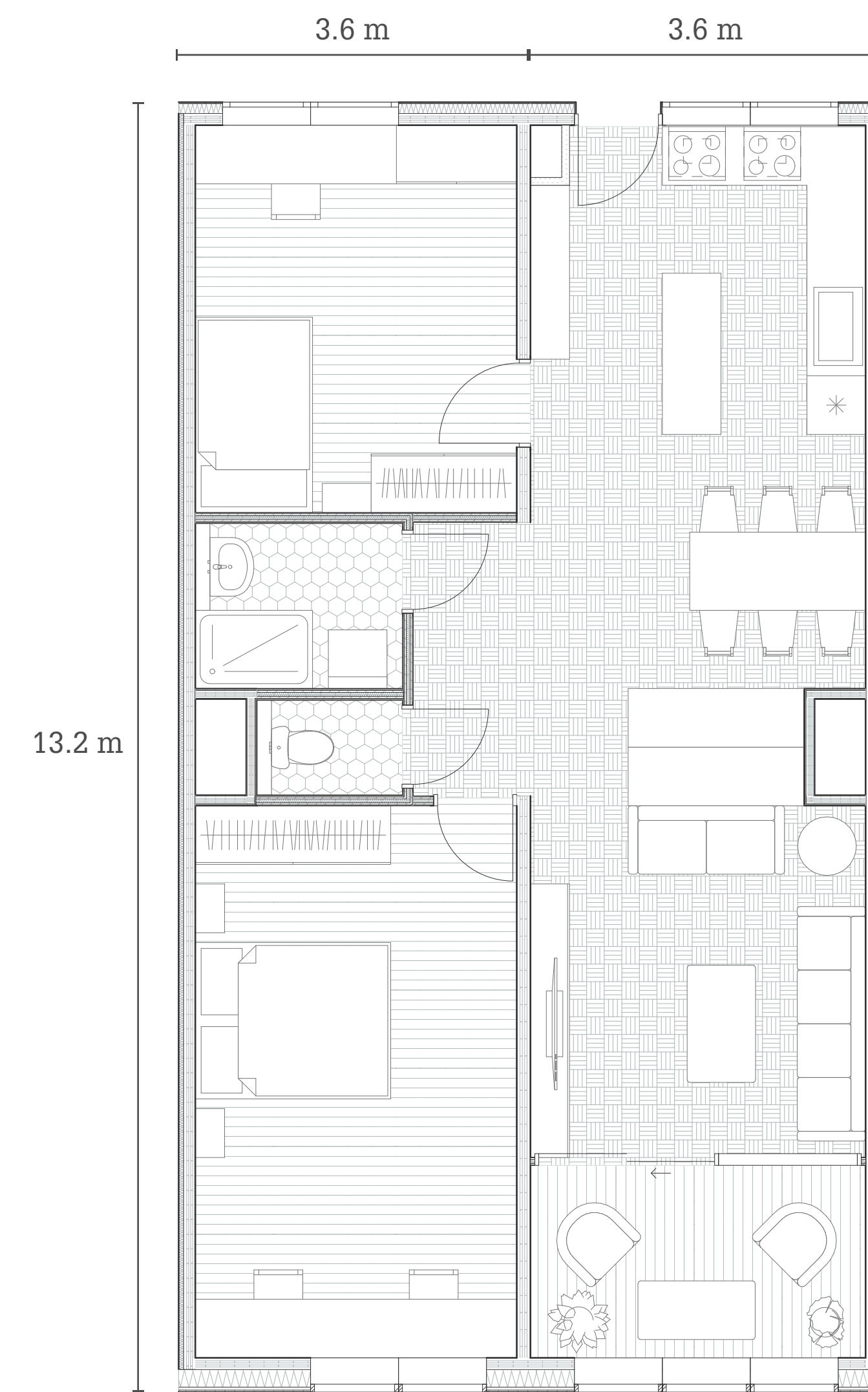
| Ground floor plan 1:500 |



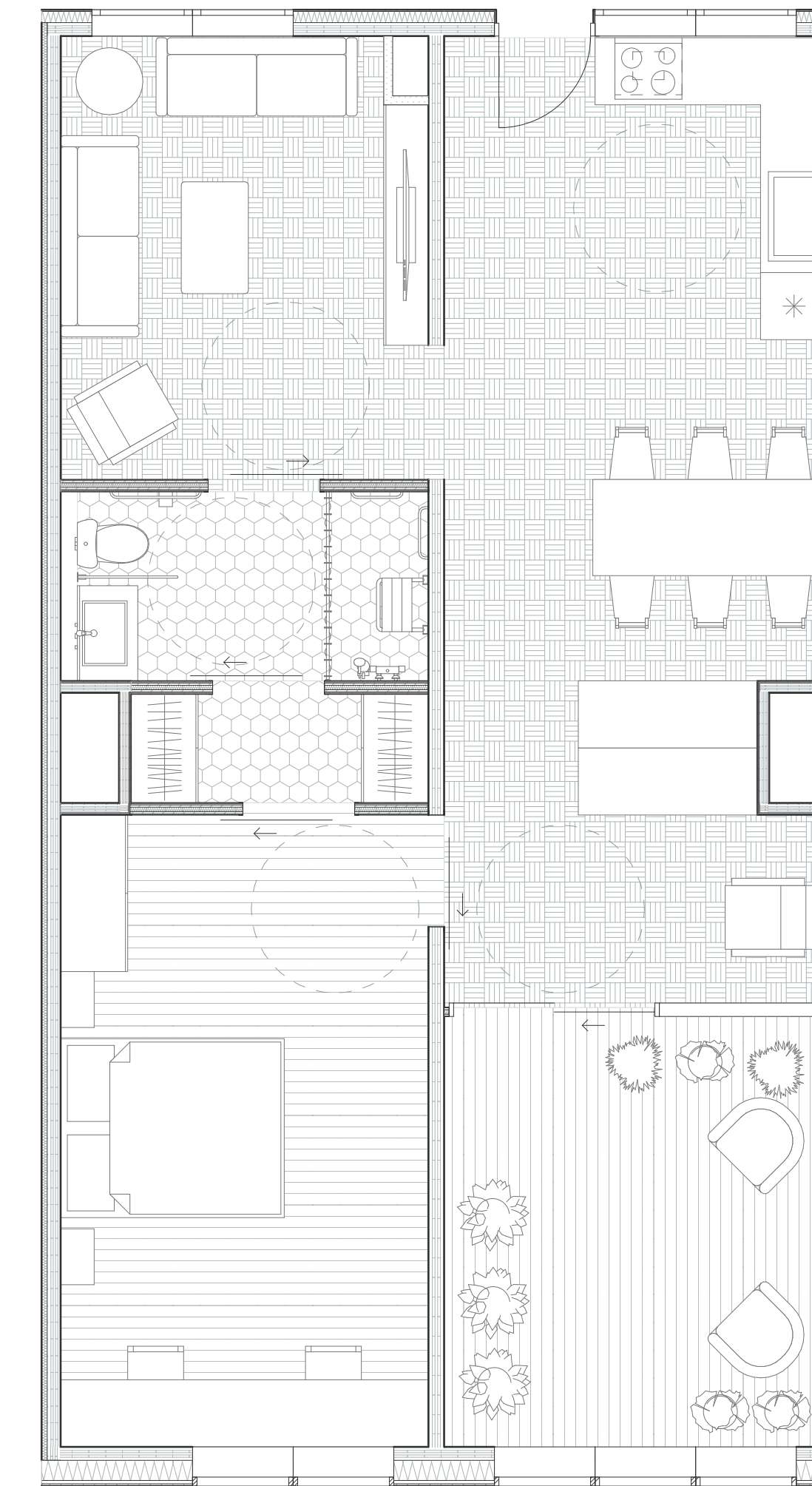
| Typical floor plan 1:250 |



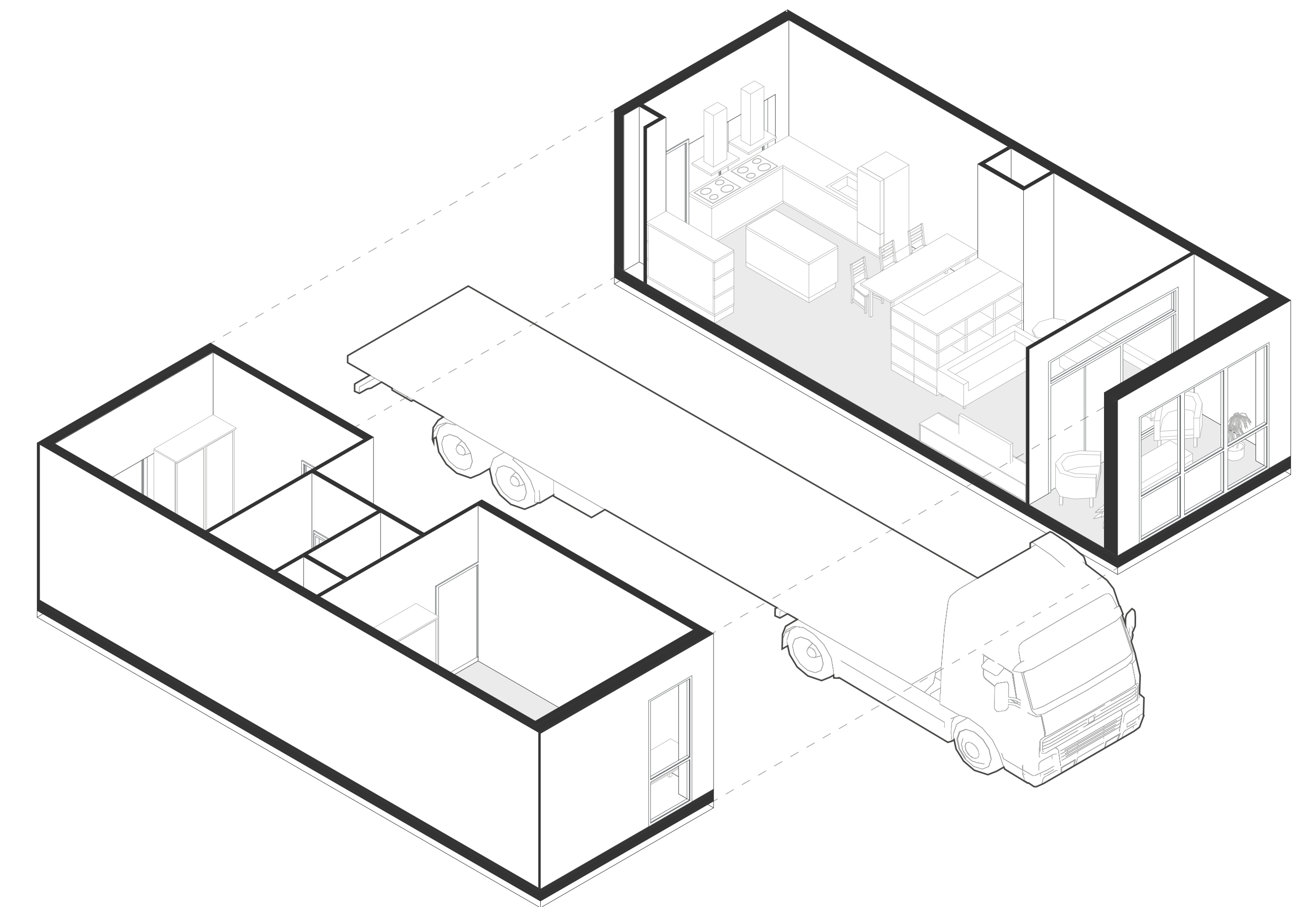
Studio (A&B) 47.5 m²
1-2 people



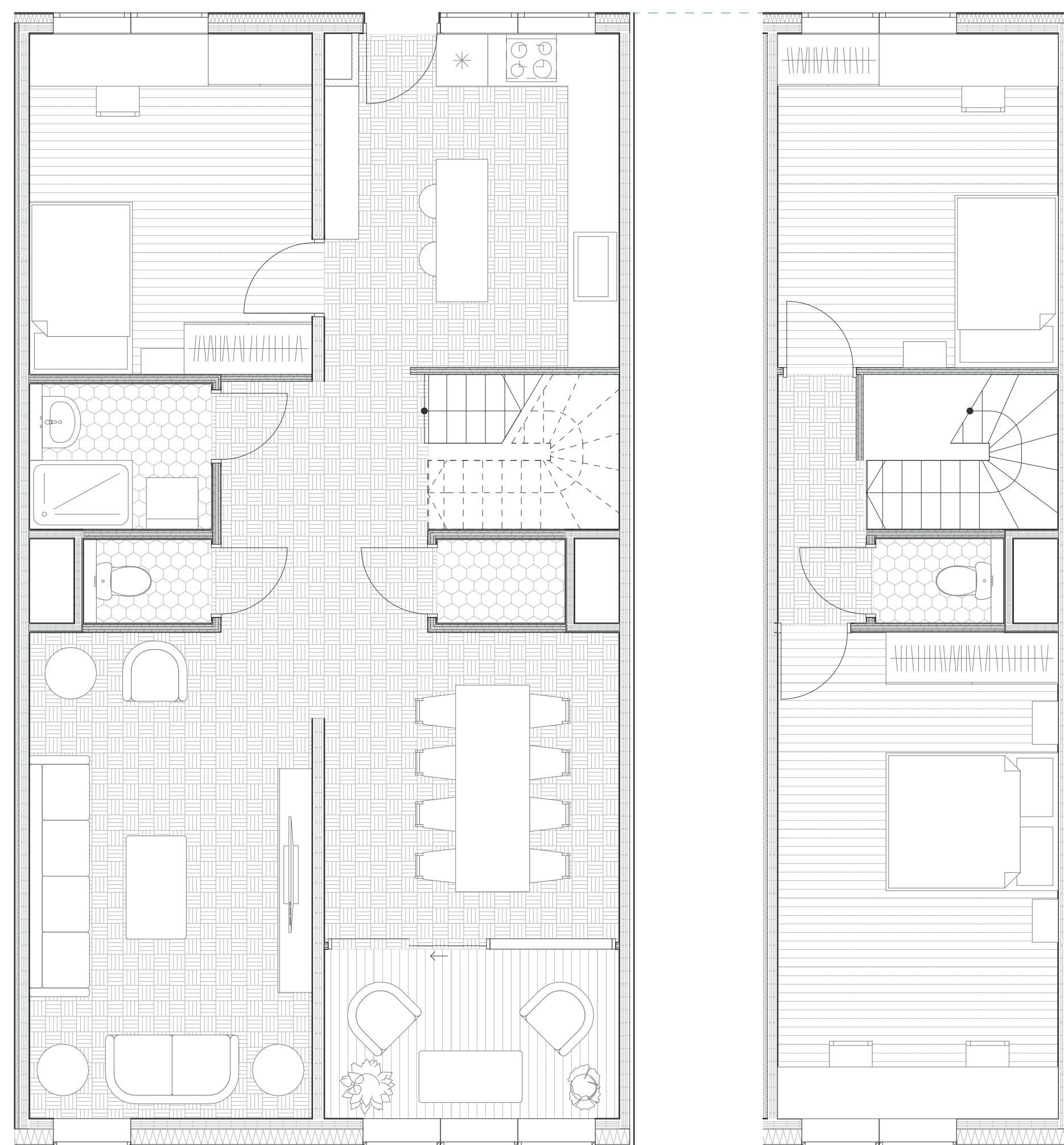
Family 95 m²
2-3 people



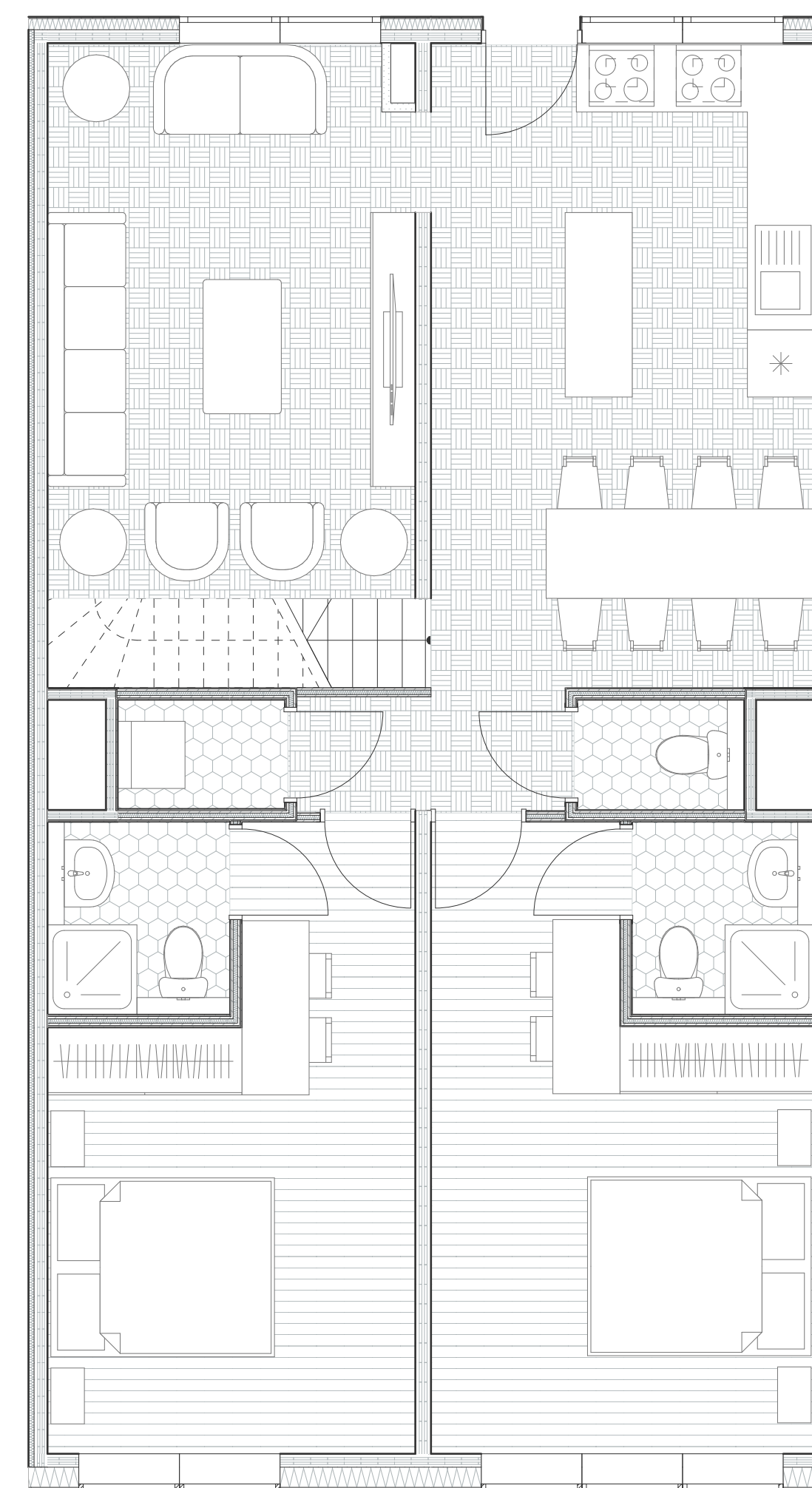
Senior 95 m²
2 people



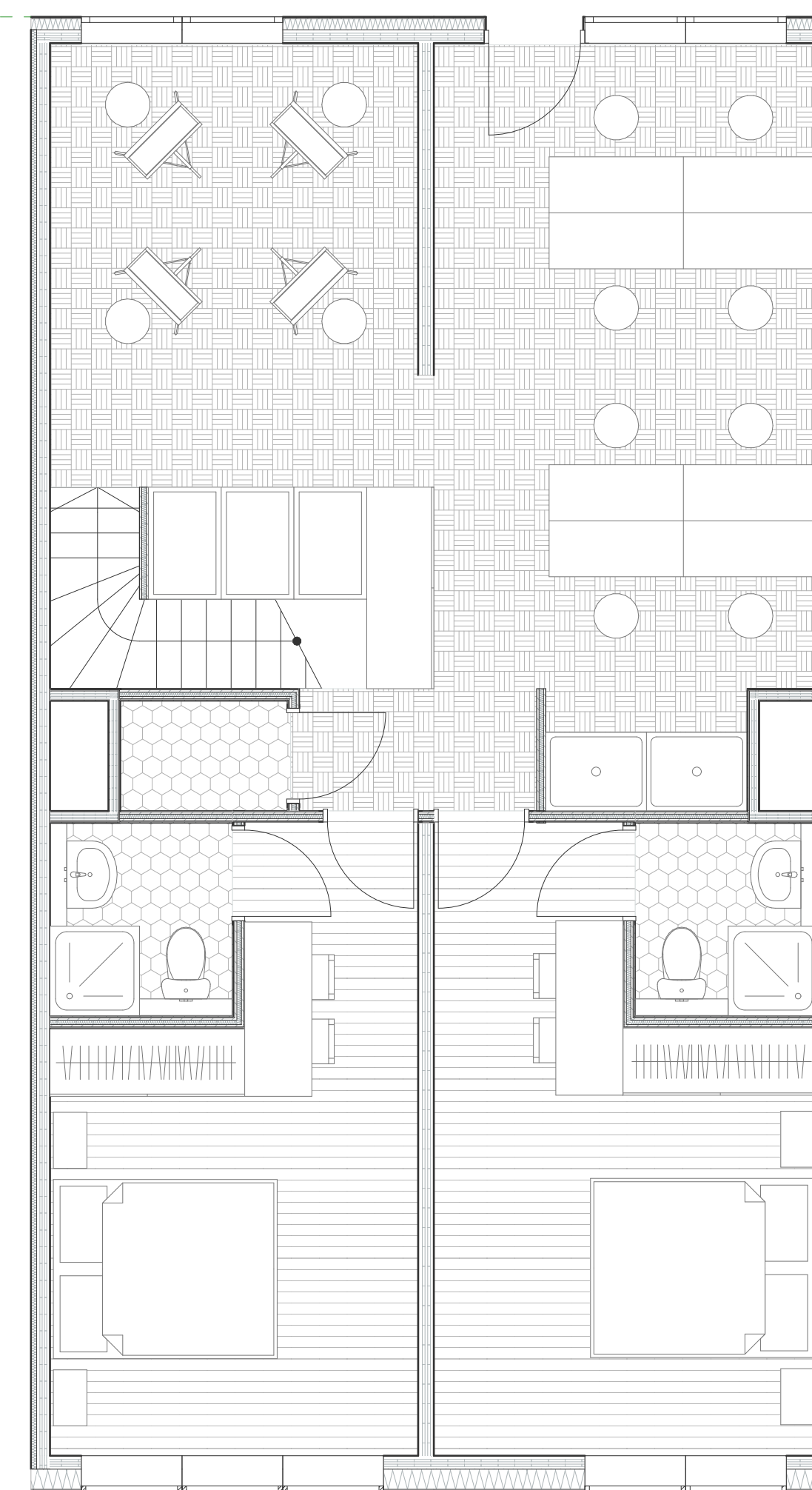
| Modular method axonometric diagram |



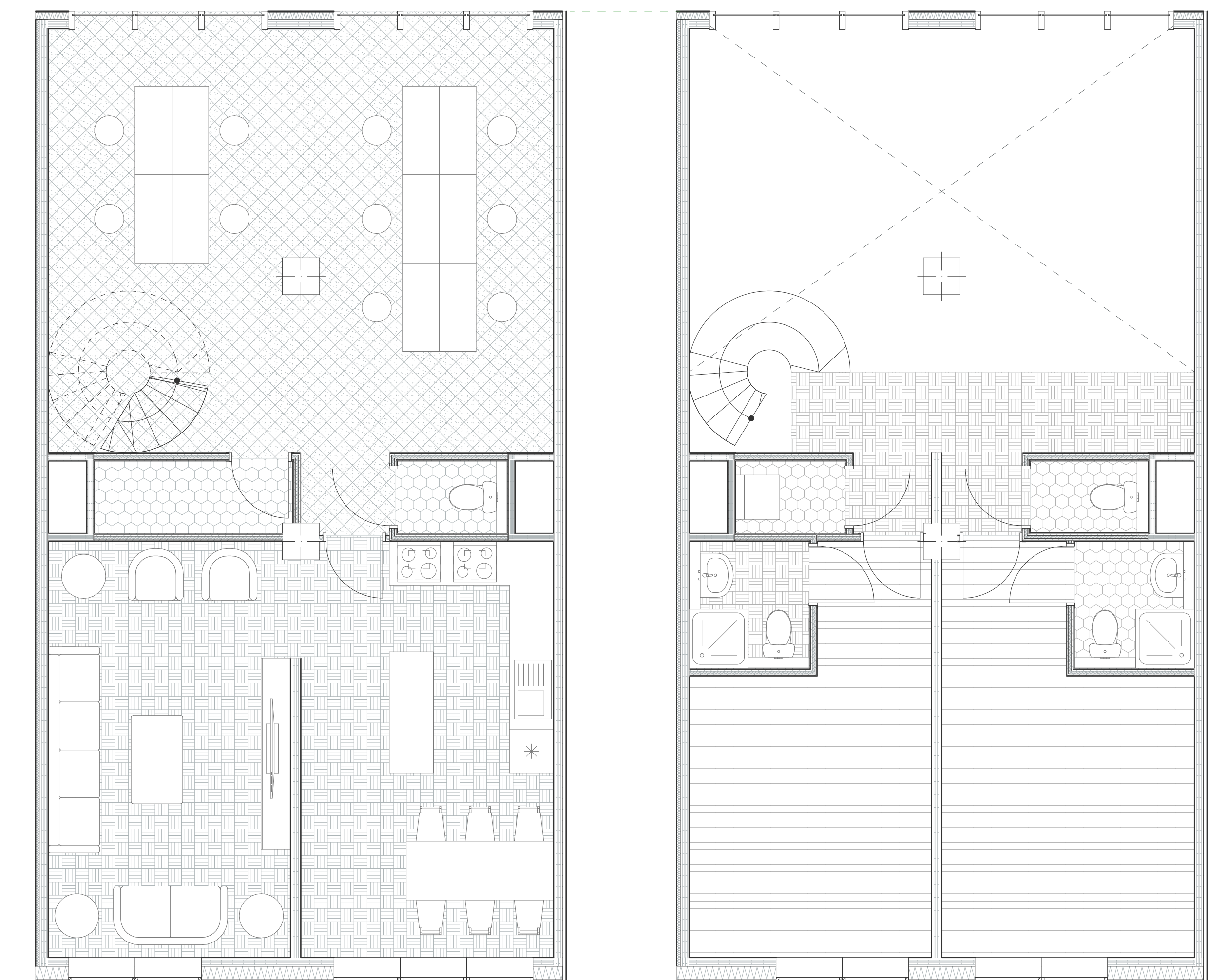
Family loft 142.5 m²
4-5 people

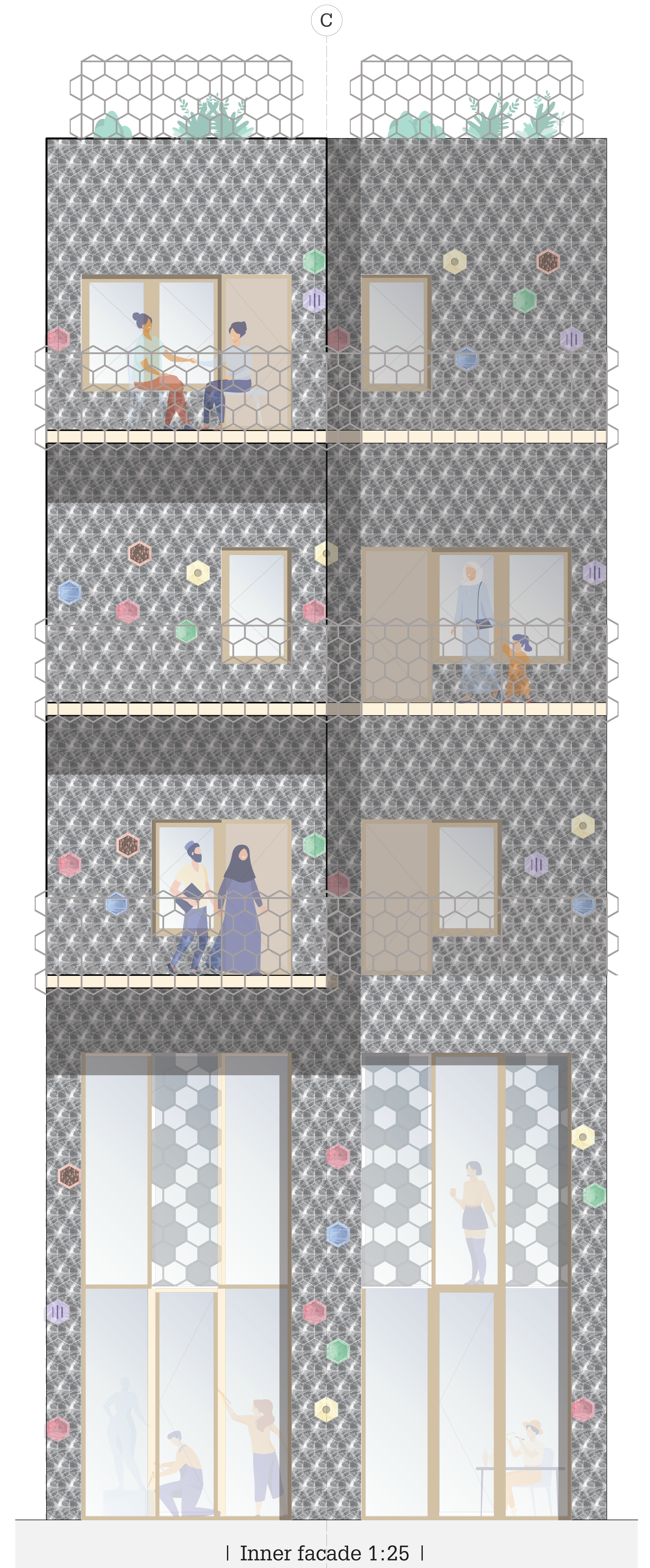
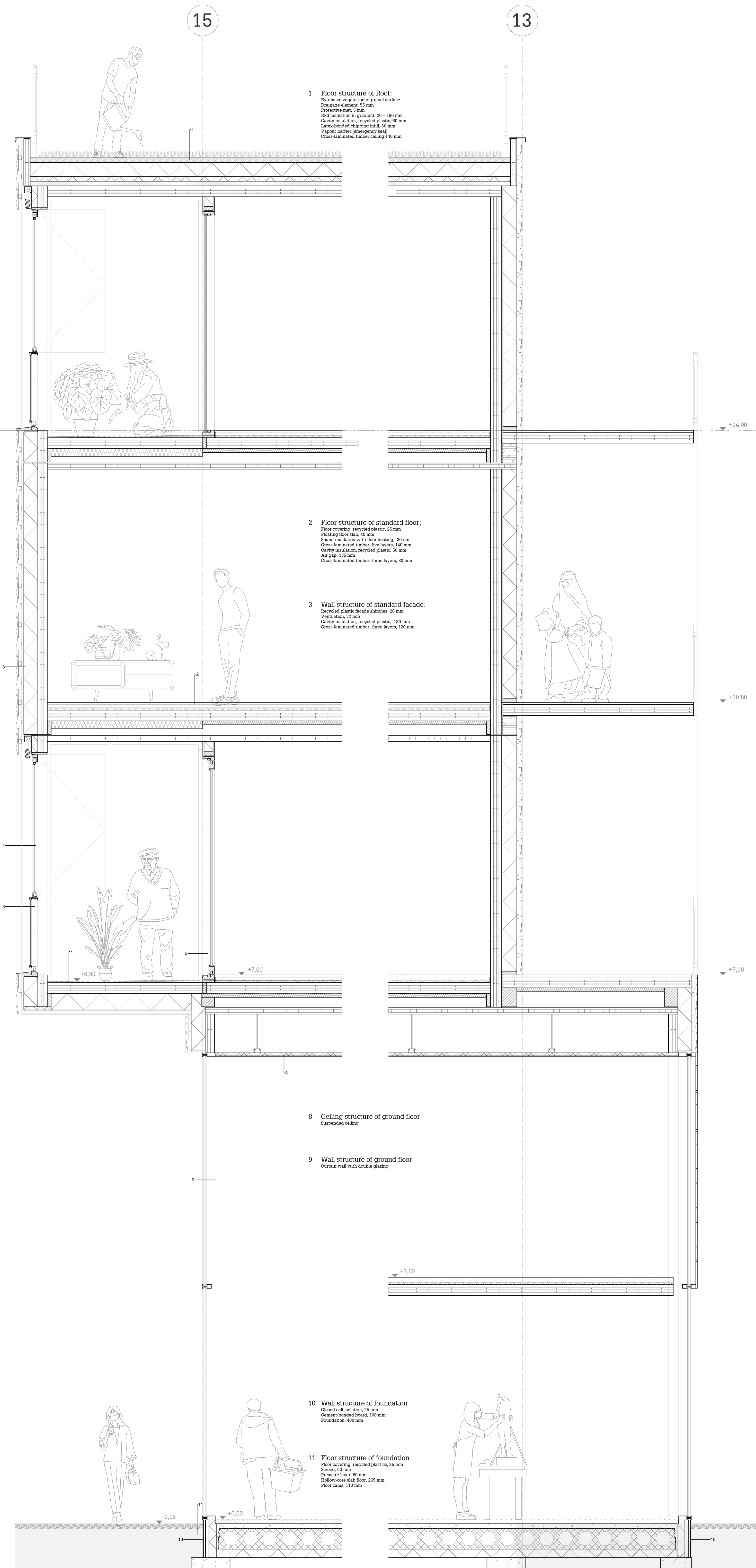
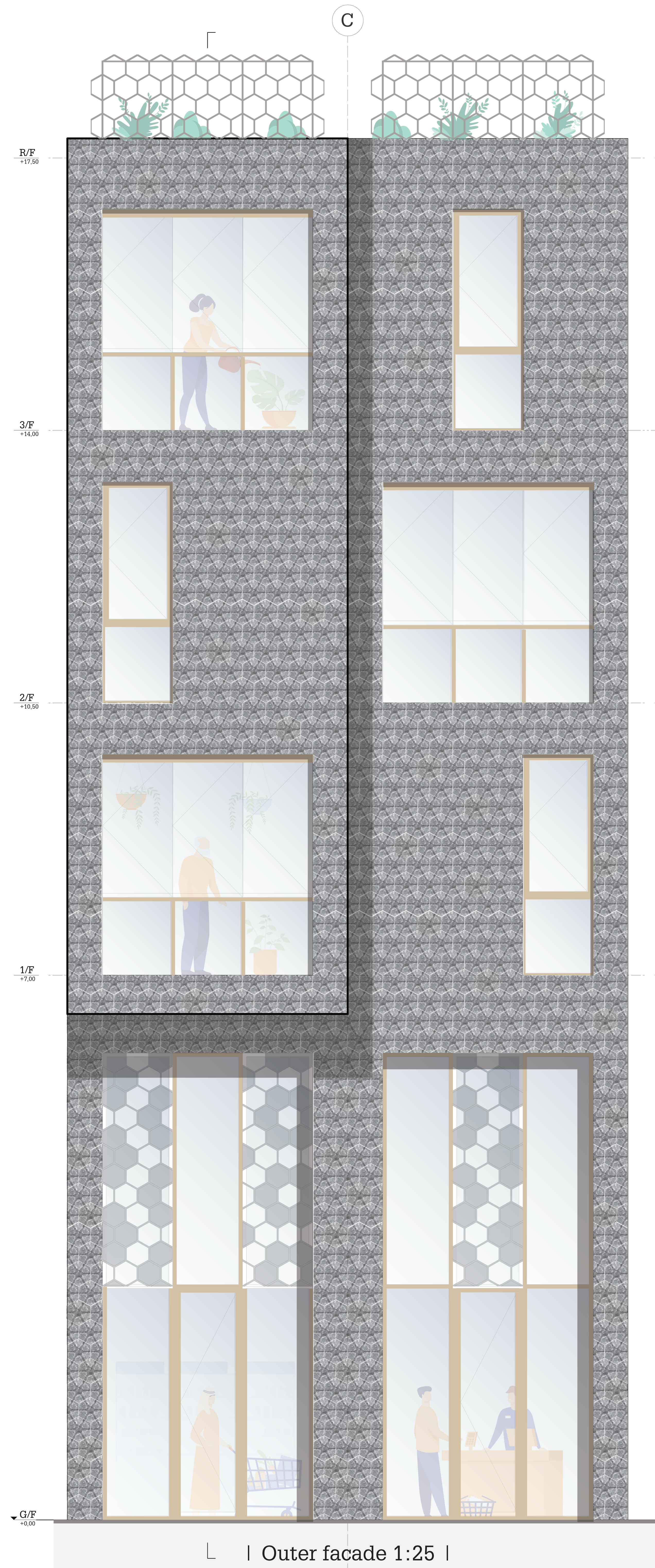


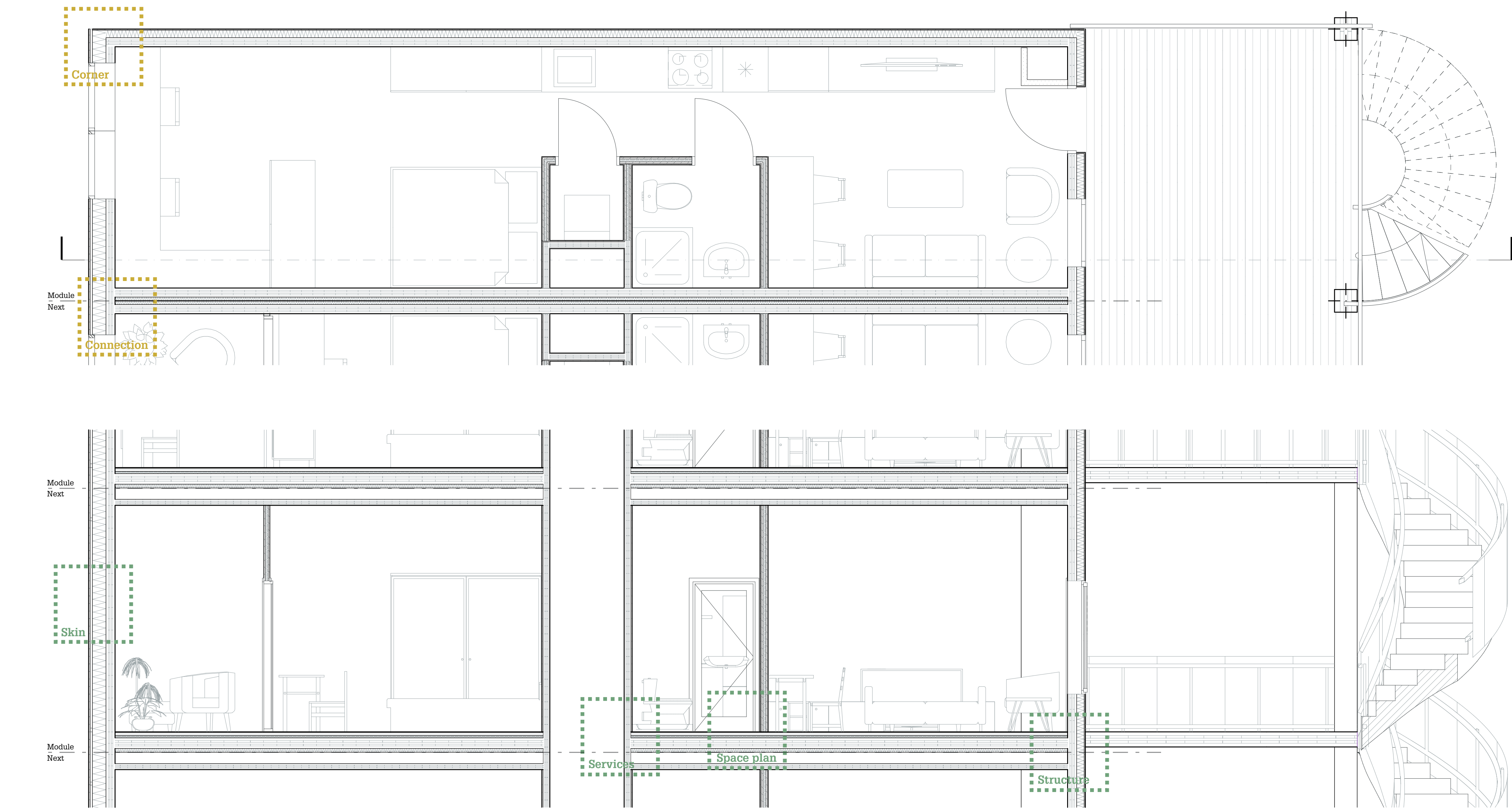
Artist co-living apartment 190 m²
4-8 people



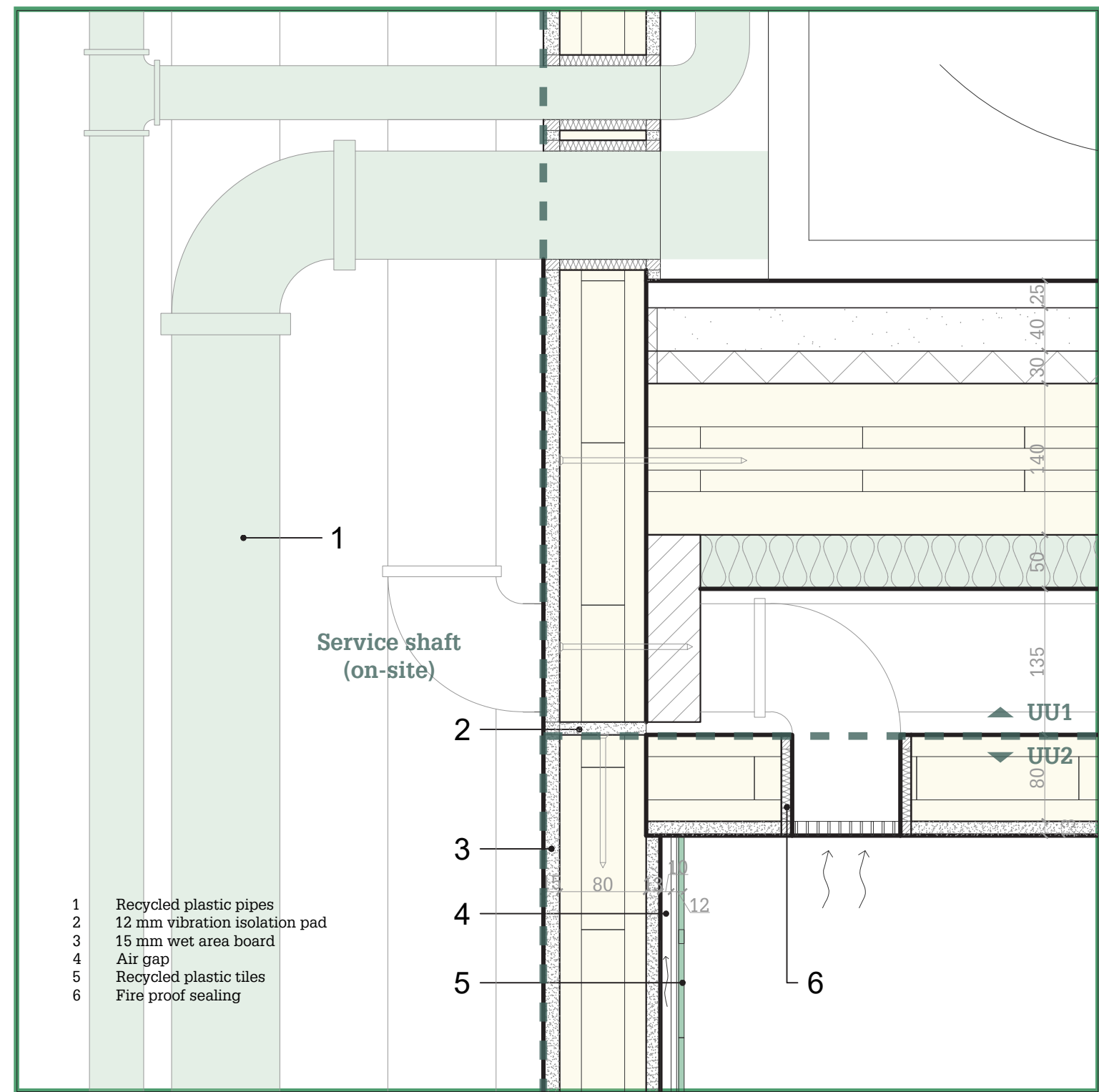
Artist co-working/ living studio 150 m²
2-4 people



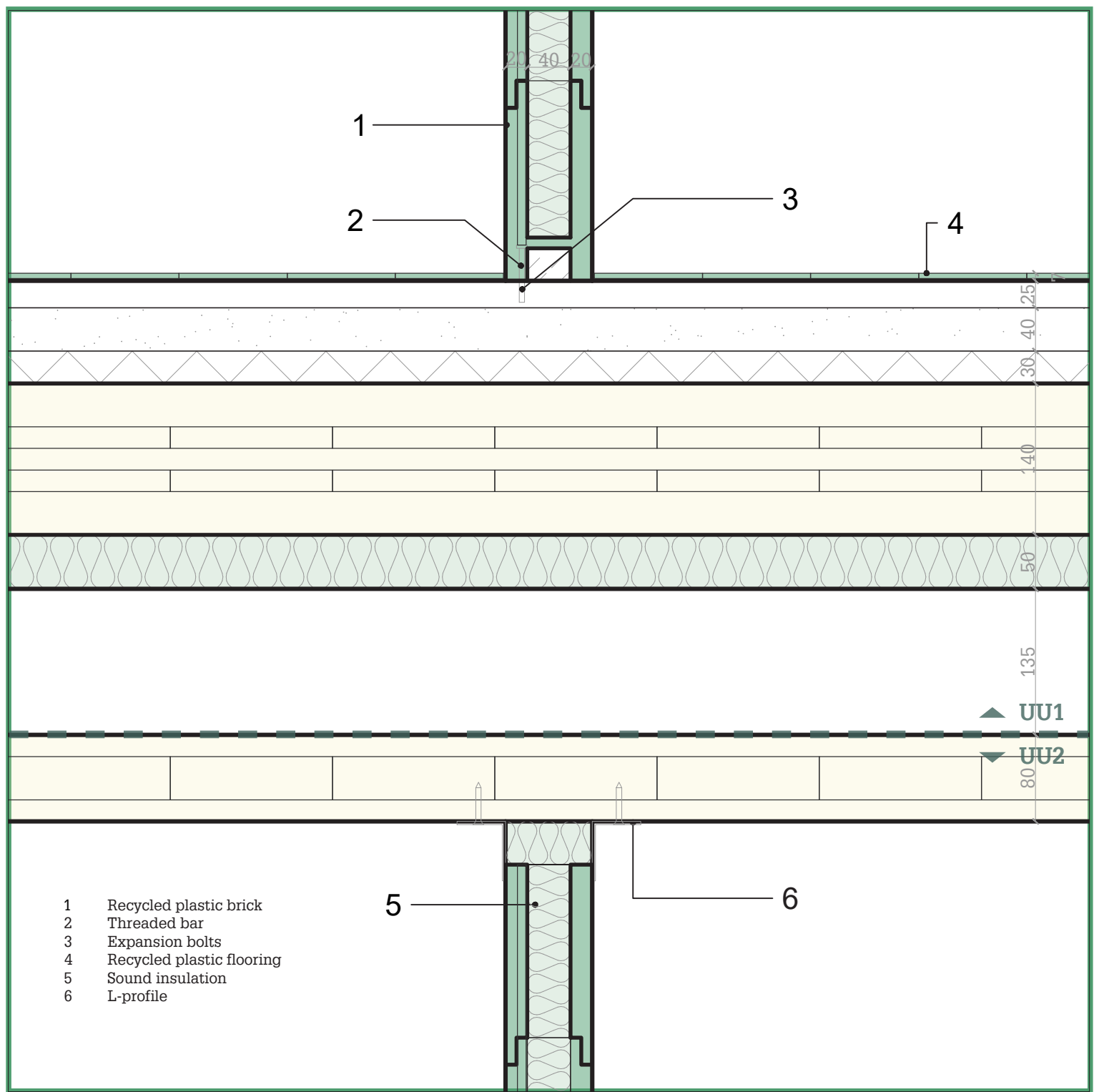




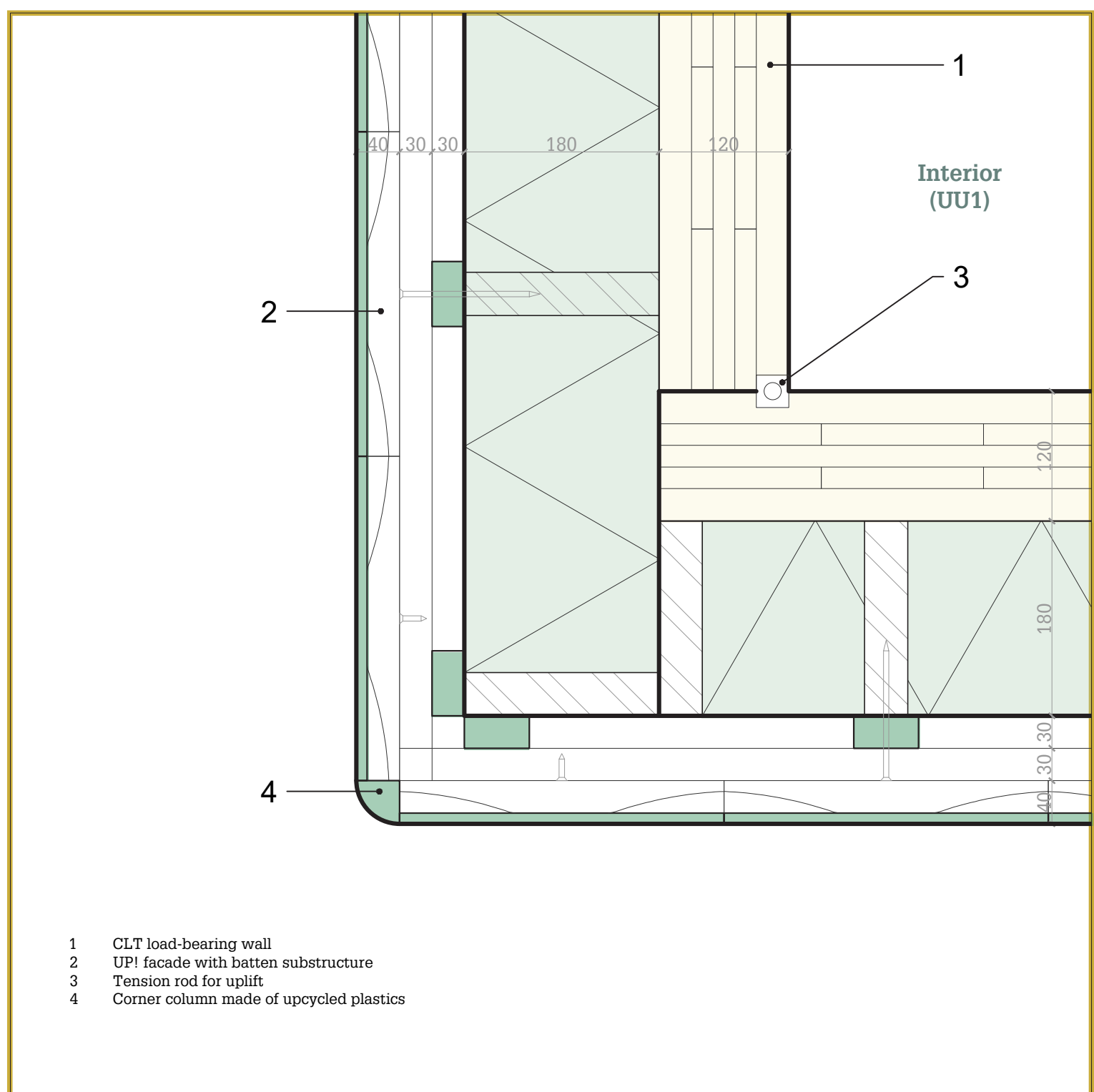
| Modular unit plan & section 1:50 |



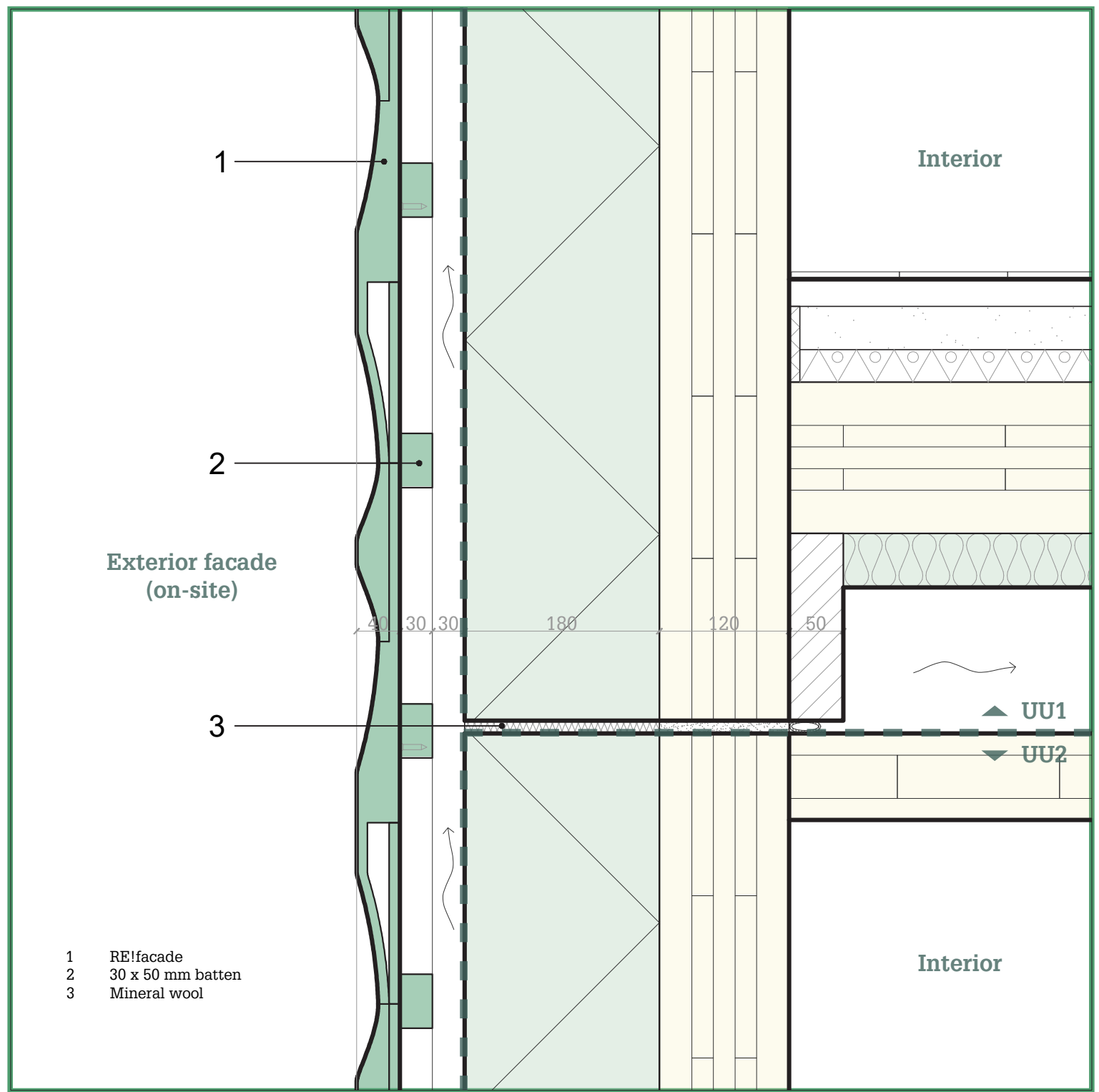
| Services layer details 1:5 |



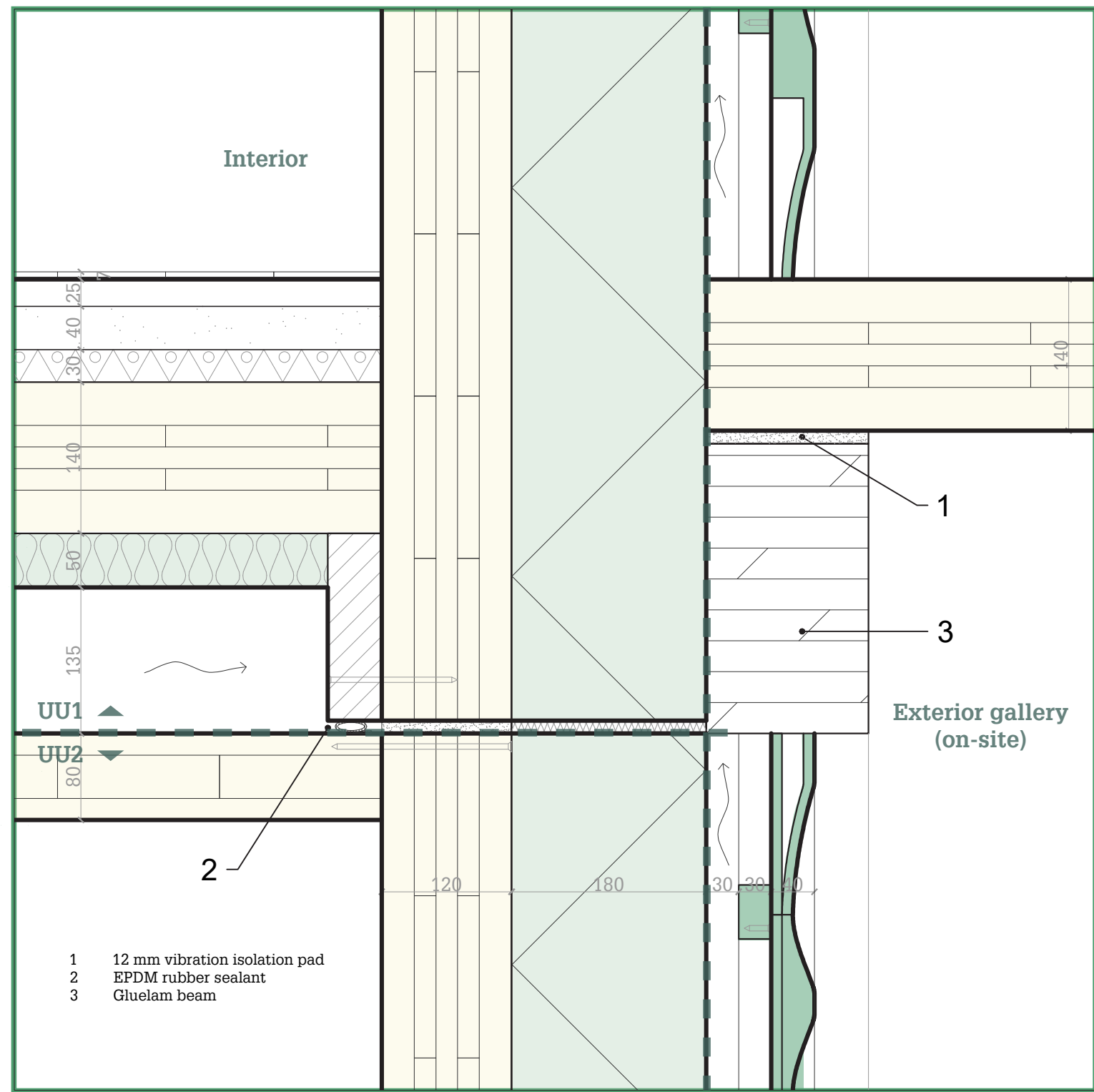
| Space plan layer details 1:5 |



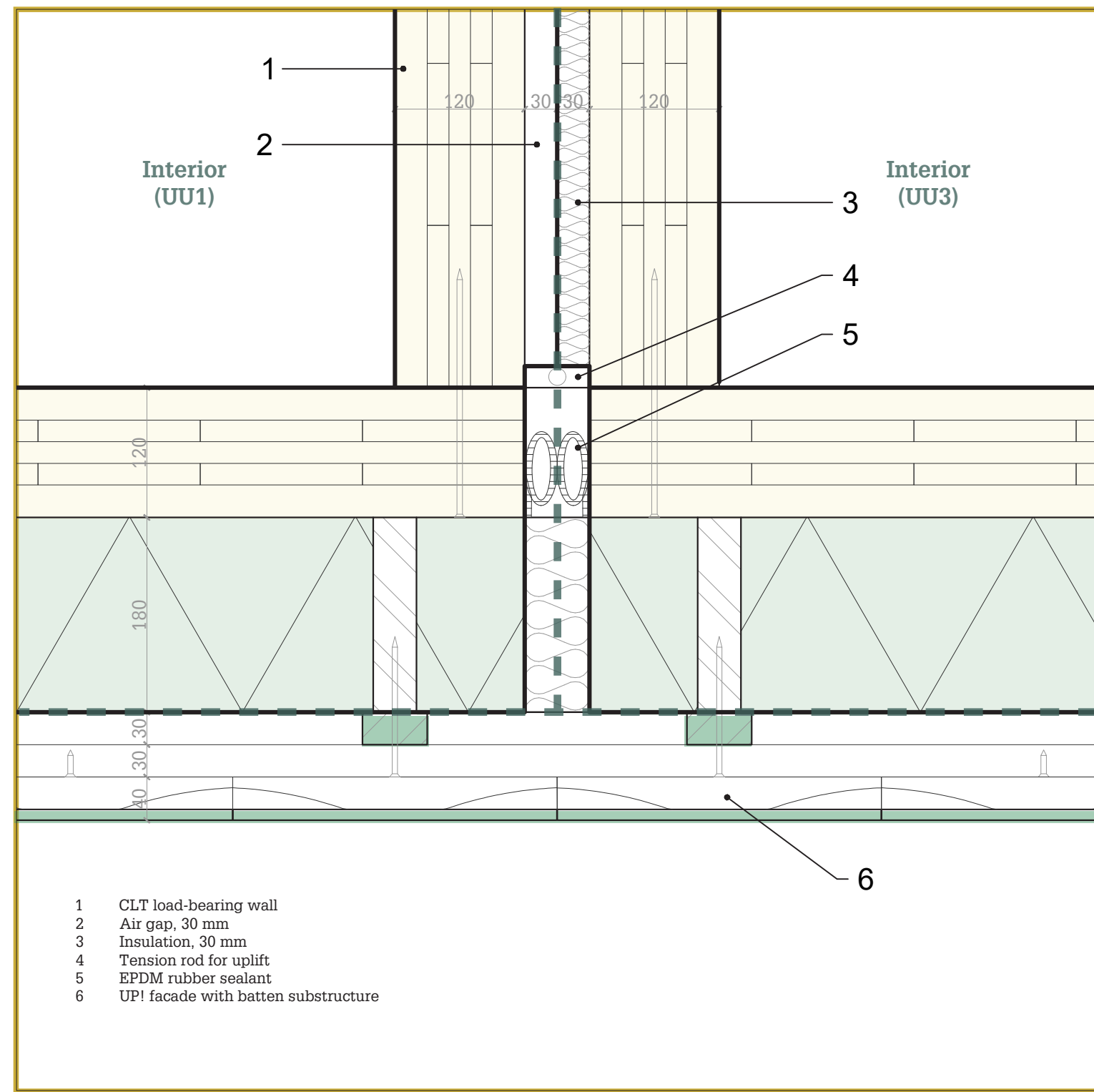
| Structure layer details 1:5 |



| Skin layer details 1:5 |



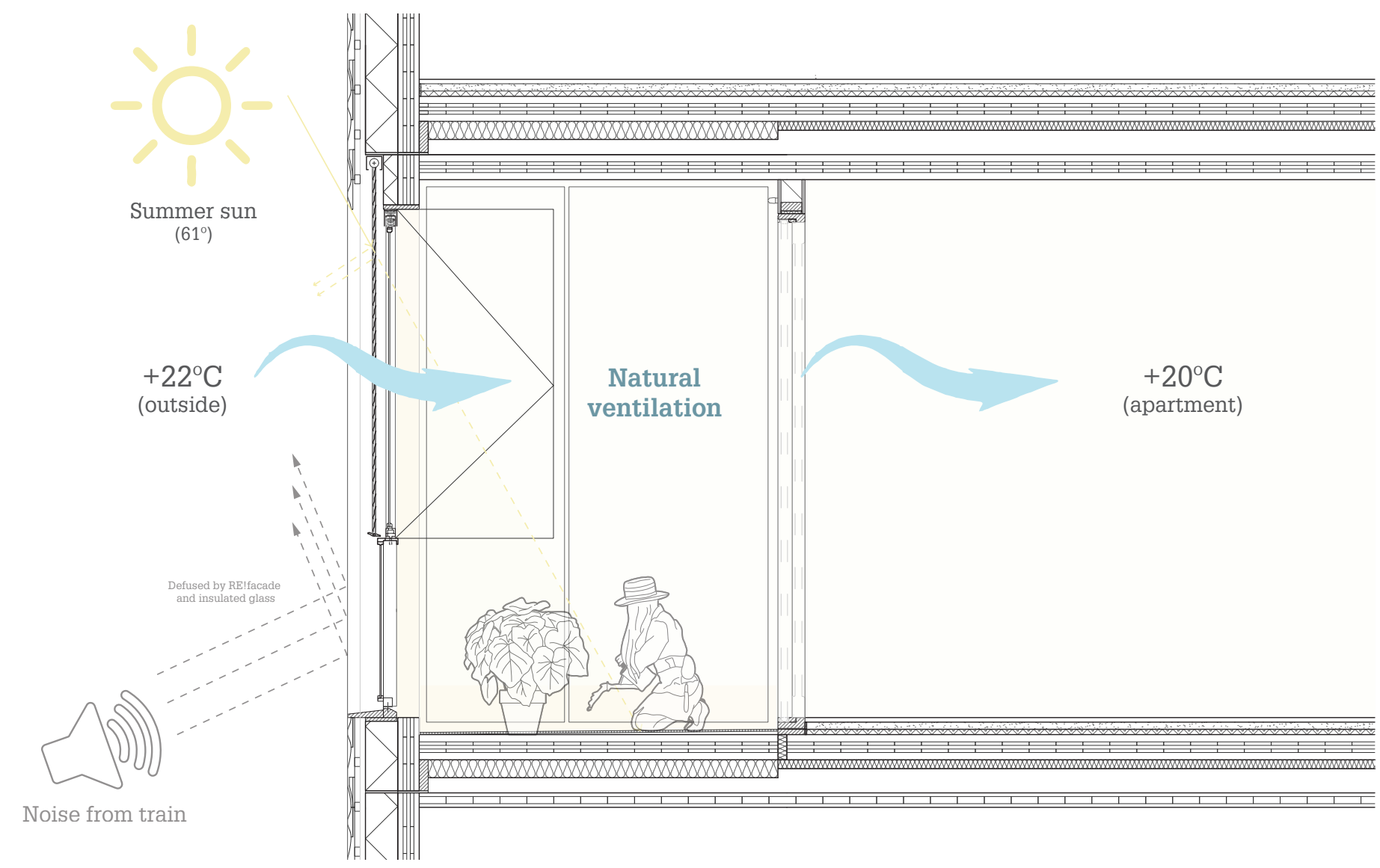
| Structure layer details 1:5 |



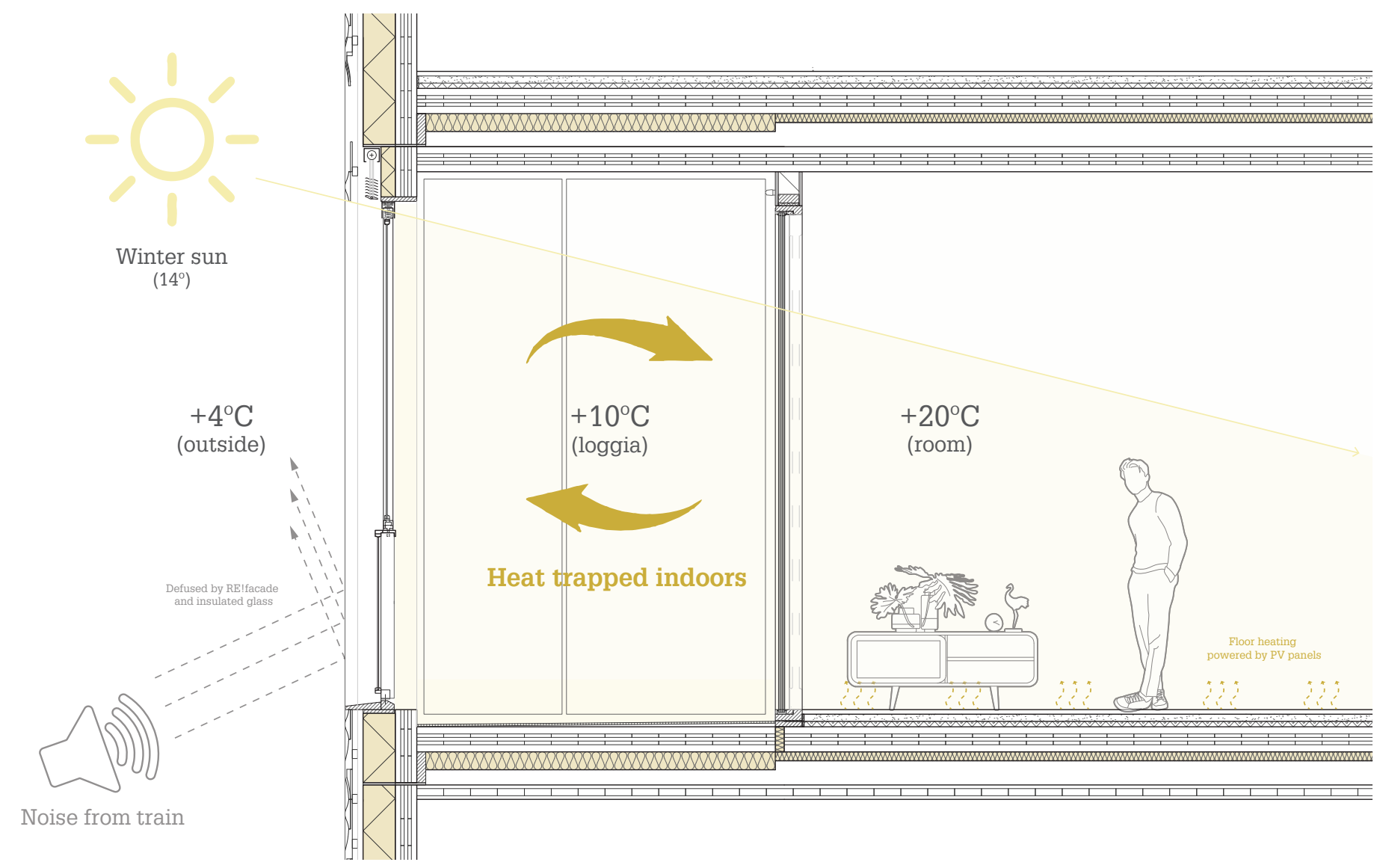
| Structure layer details 1:5 |



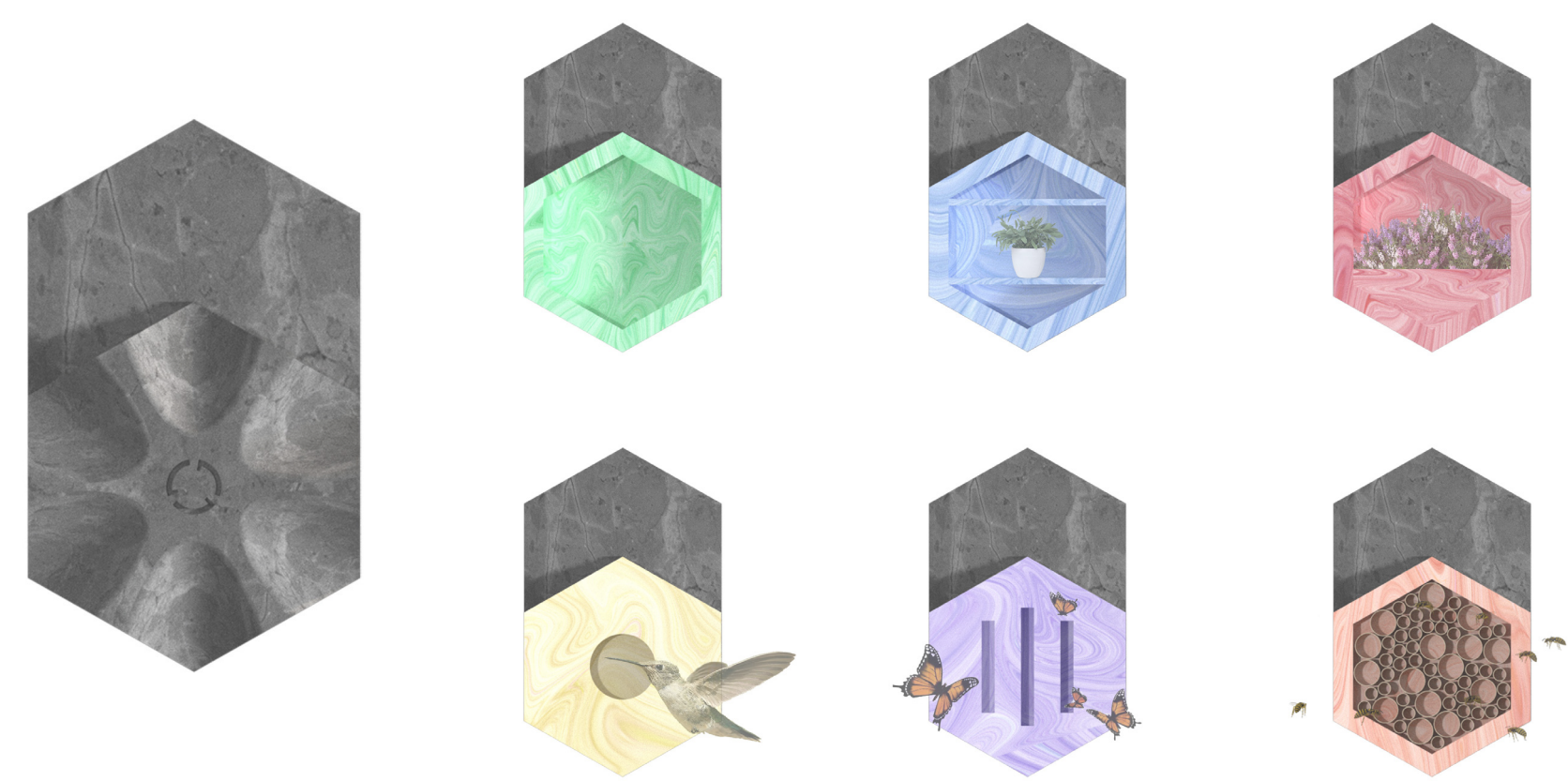
| Circular climate scheme |



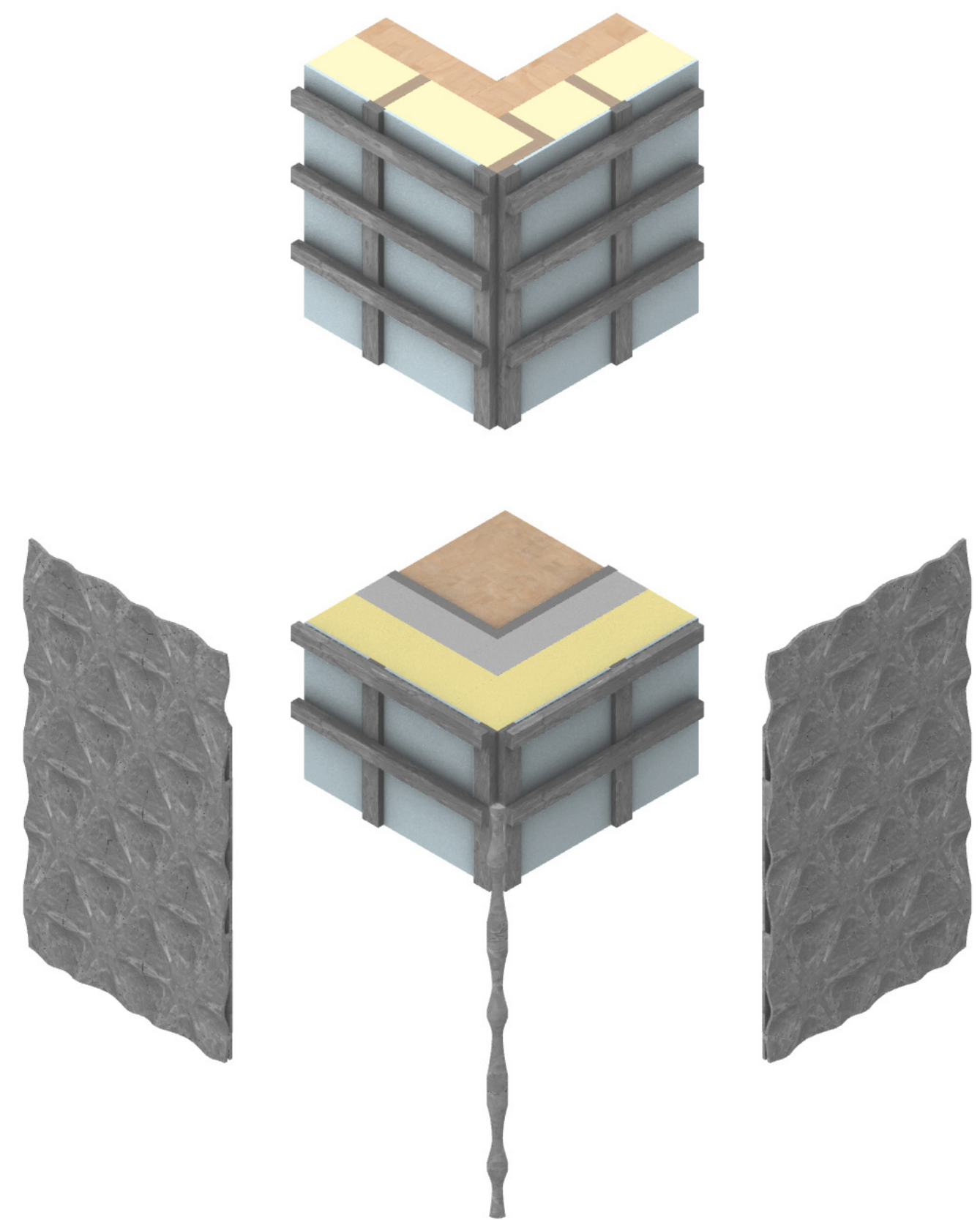
| Summer scheme |



| Winter scheme |



| RE!facade and plug-in |



| Modular construction with RE!facade and corner |

