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The current situation in Bockenheim is characterized by a young and vibrant vibe due the Goethe university facilities' nearby location. Places like cafe Koz and many other pubs attract people during the evening, not to mention the vast stores and supermarkets that also makes the area appealing for shopping.

Nevertheless the areas surrounding the buildings 50 & 52 lack of connectivity with the existing green structure, there are also potential areas for interaction which are degraded or occupied for parking.

The concept aims to energize the social, educational and cultural activities of the neighborhood by linking the building to its surroundings and its existing activity circuit. Pedestrians are protagonist in the space and green areas are increased in order to inject liveliness in the area. The building as well becomes a gate to discover those new spaces and also serves as a vessel for discovering another way of life, cohousing.

The intervention in the buildings preserves in majority its existing structure but get rides of almost all the walls. Slabs are cut in order to shape a central courtyard, a large social interaction space where the communal areas revolve around it. On the ground floor, a coffee is placed to function as link with the neighborhood, this supported by the plaza, which will host cultural events or temporary markets.

The building program presents 33 housing units on three different typologies and different common areas (common kitchen and dining room, lounges, co working areas, laundry, multifunctional rooms and common balconies), which should enhance community life through transitions between private and public spaces. The second floor will open to the exterior and offer the resident active (gym) and passive activities. On the rooftop, terraces will be placed as well as gardens for growing vegetables or fruits, in this way give the opportunity to people for a healthier alimentation.

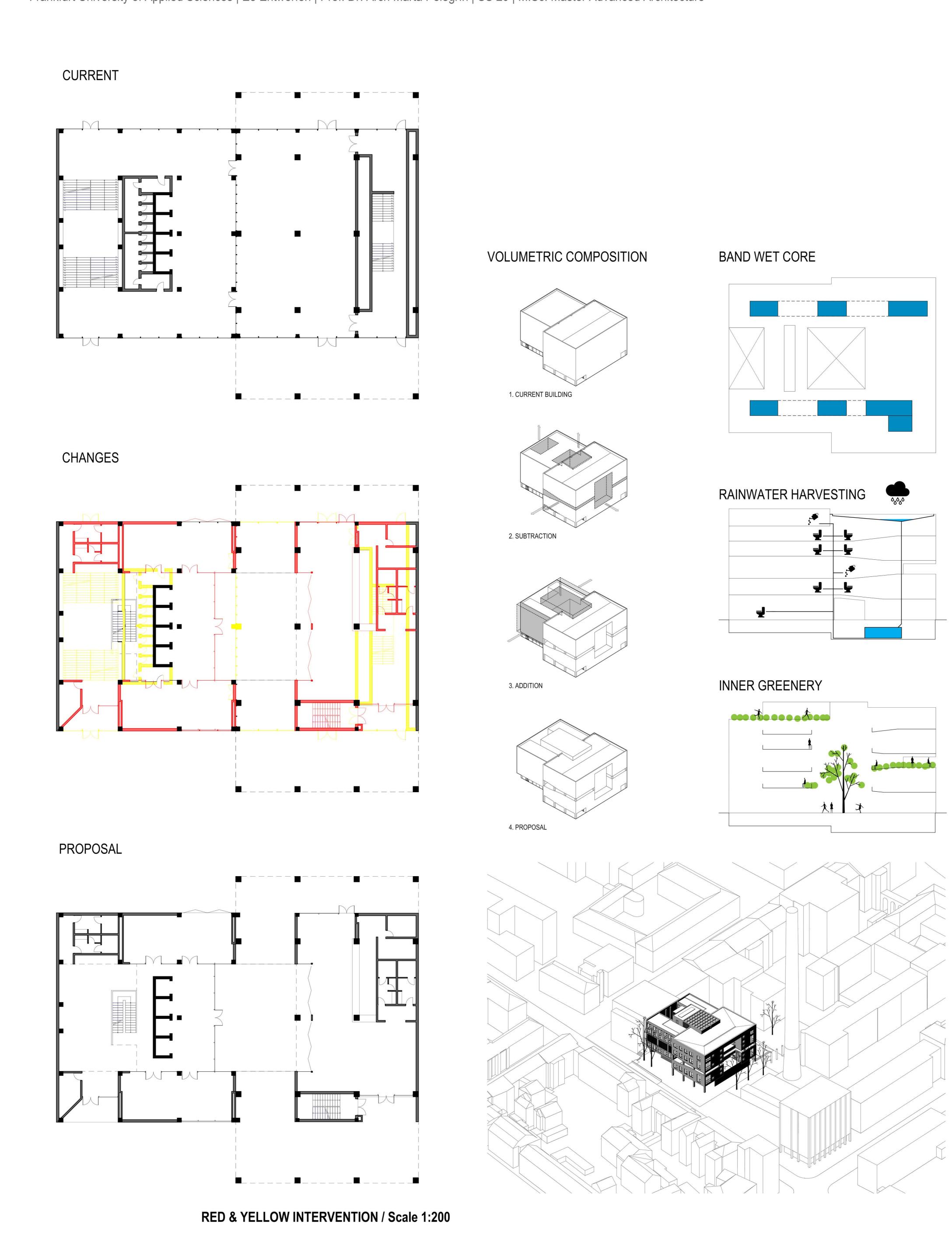
In terms of facilities, the roof of building 50 is used as a rainwater harvesting element, this water will be transported into a tank in the basement and from there redistributed to water the gardens and new green areas. Wet cores are placed in a band distribution in all the levels, this strategy allows the housing units to connect between themselves and offers more flexibility for changes.

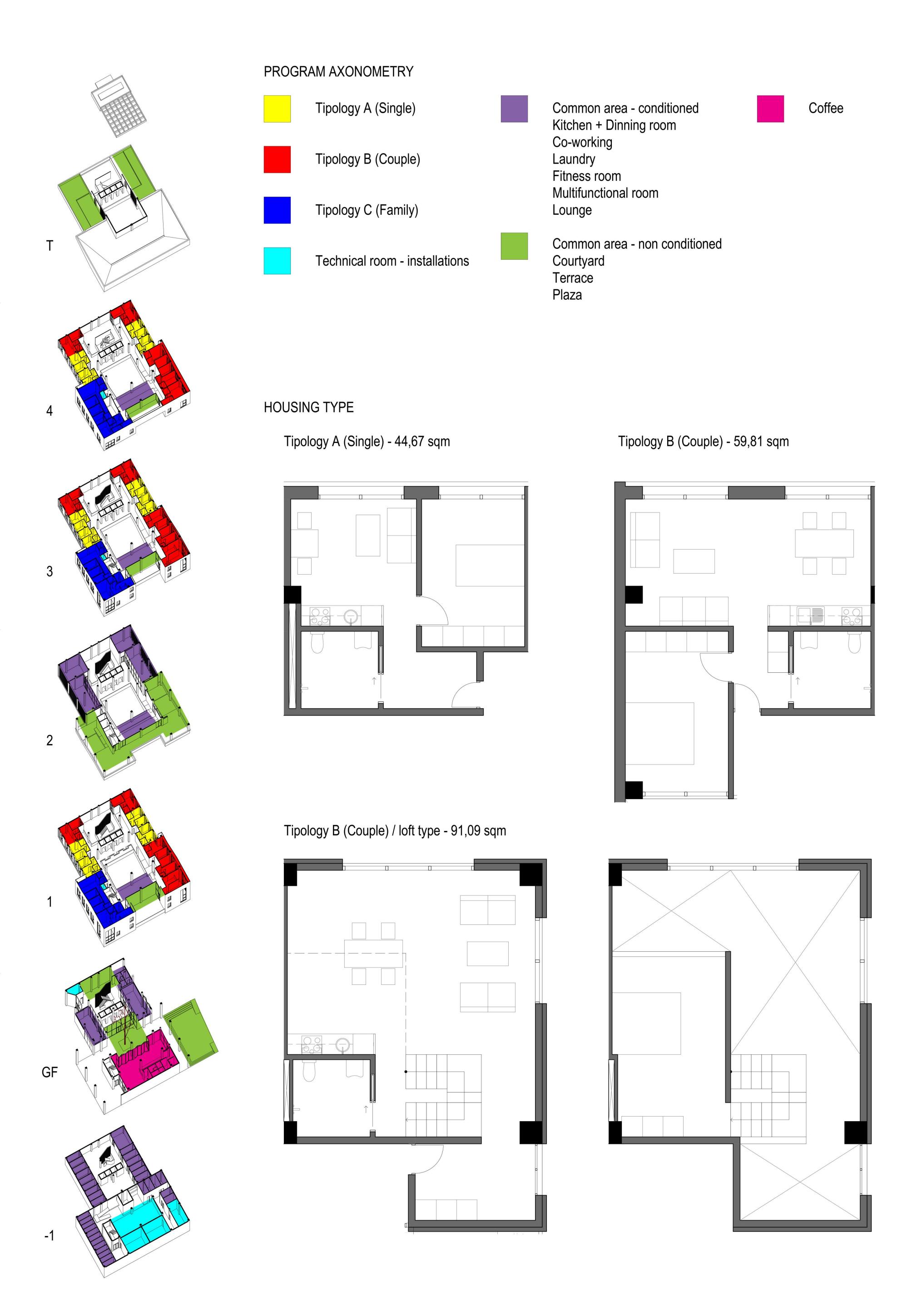
Finally, timber walls and wood finishes are applied since it is an ecofriendly material, also lightens the load to the structure and offers easily assembly. Not to mention the warm feeling that transmits to the resident and the urban image.





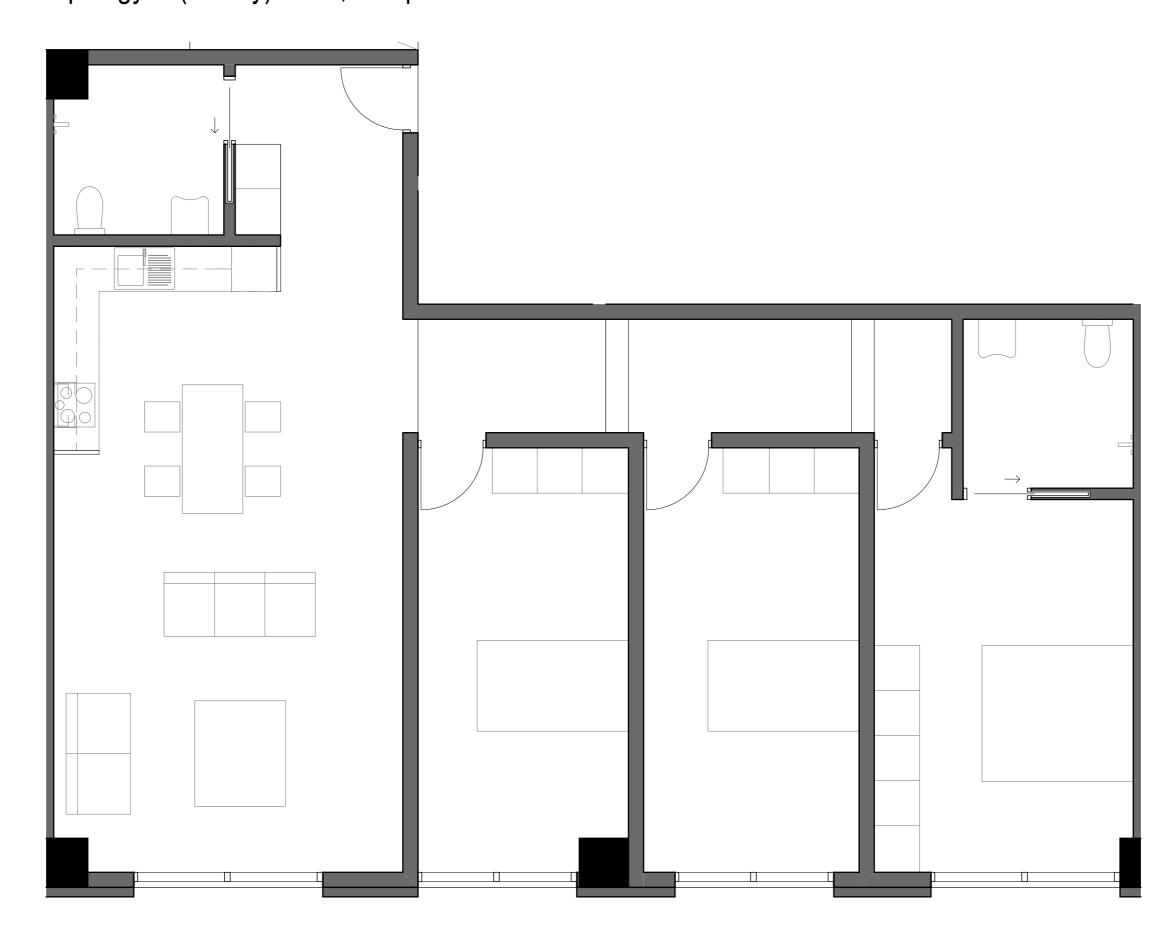
YOUNG & SENIOR CO-HOUSING Frankfurt University of Applied Sciences | E8 Entwerfen | Prof. Dr. Arch Marta Pelegrín | SS 20 | M.Sc. Master Advanced Architecture 000 Common spaces' network Urban concept / Scale 1:2500 Activity's network Javier Fernando Challapa Miranda / MN: 1292082 **GENERAL PLAN / Scale 1:500**





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Tipology C (Family) - 131,05 sqm



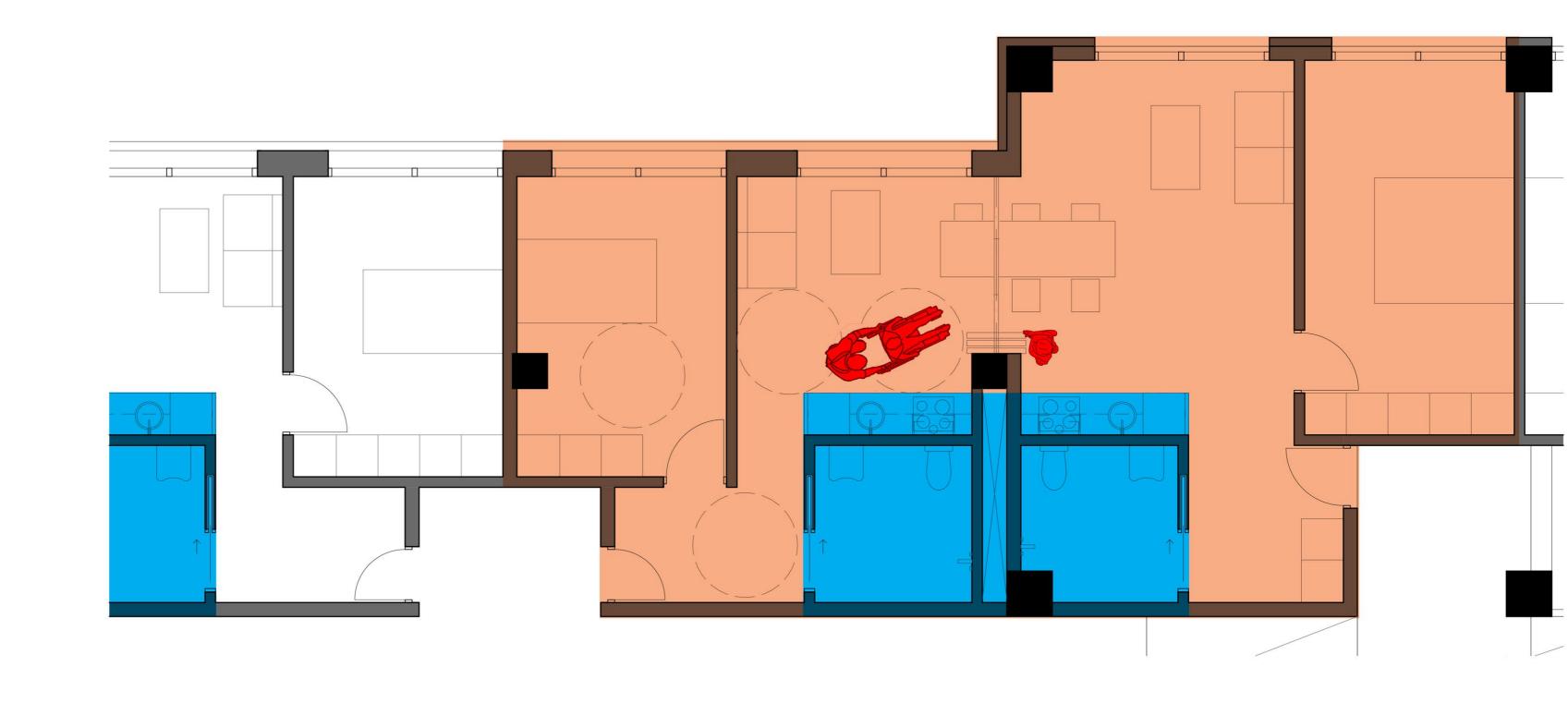
Tipology C (Family) / loft type - 137,97 sqm



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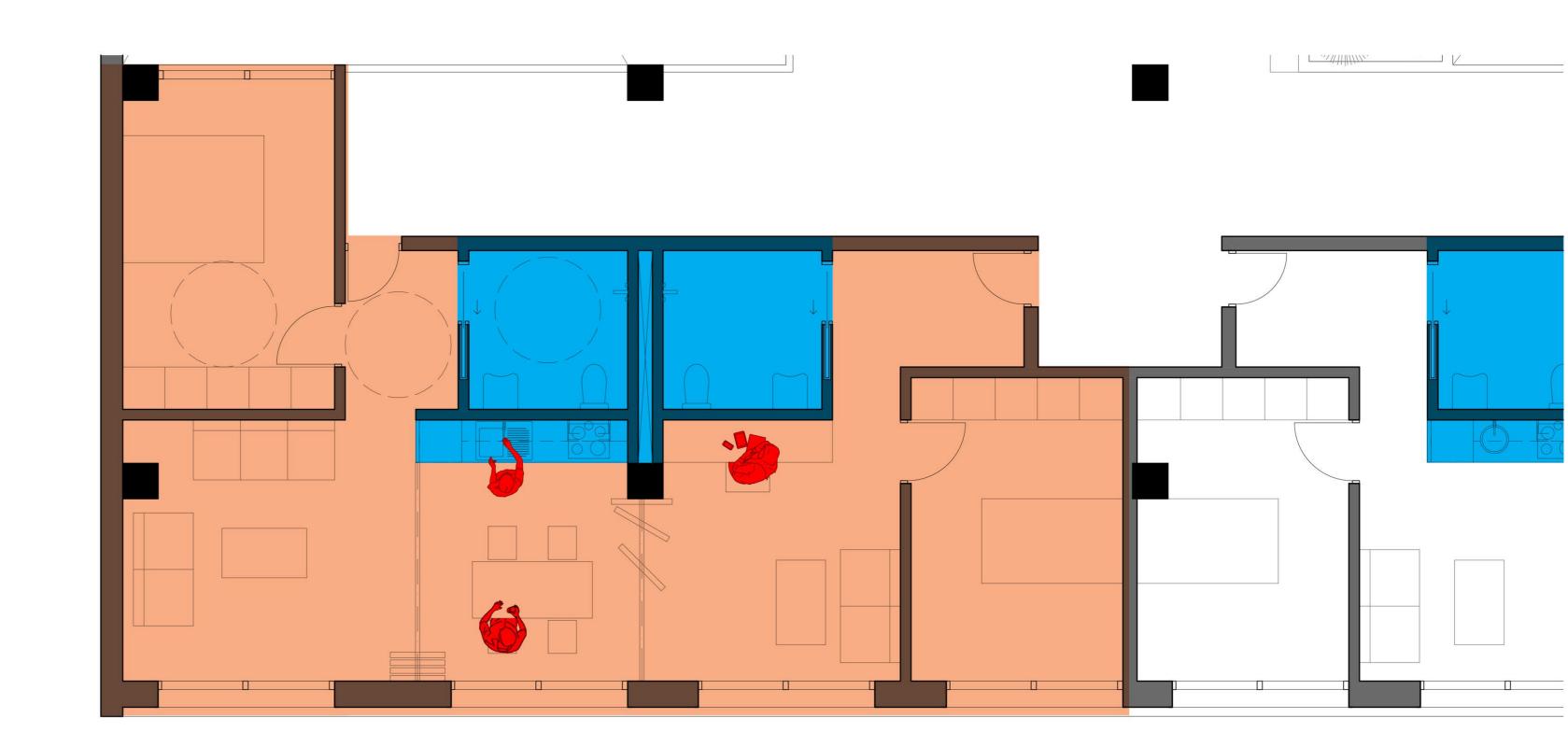
EXAMPLE 1 - SHARED DINNING

Disabled or elder resident + Young couple



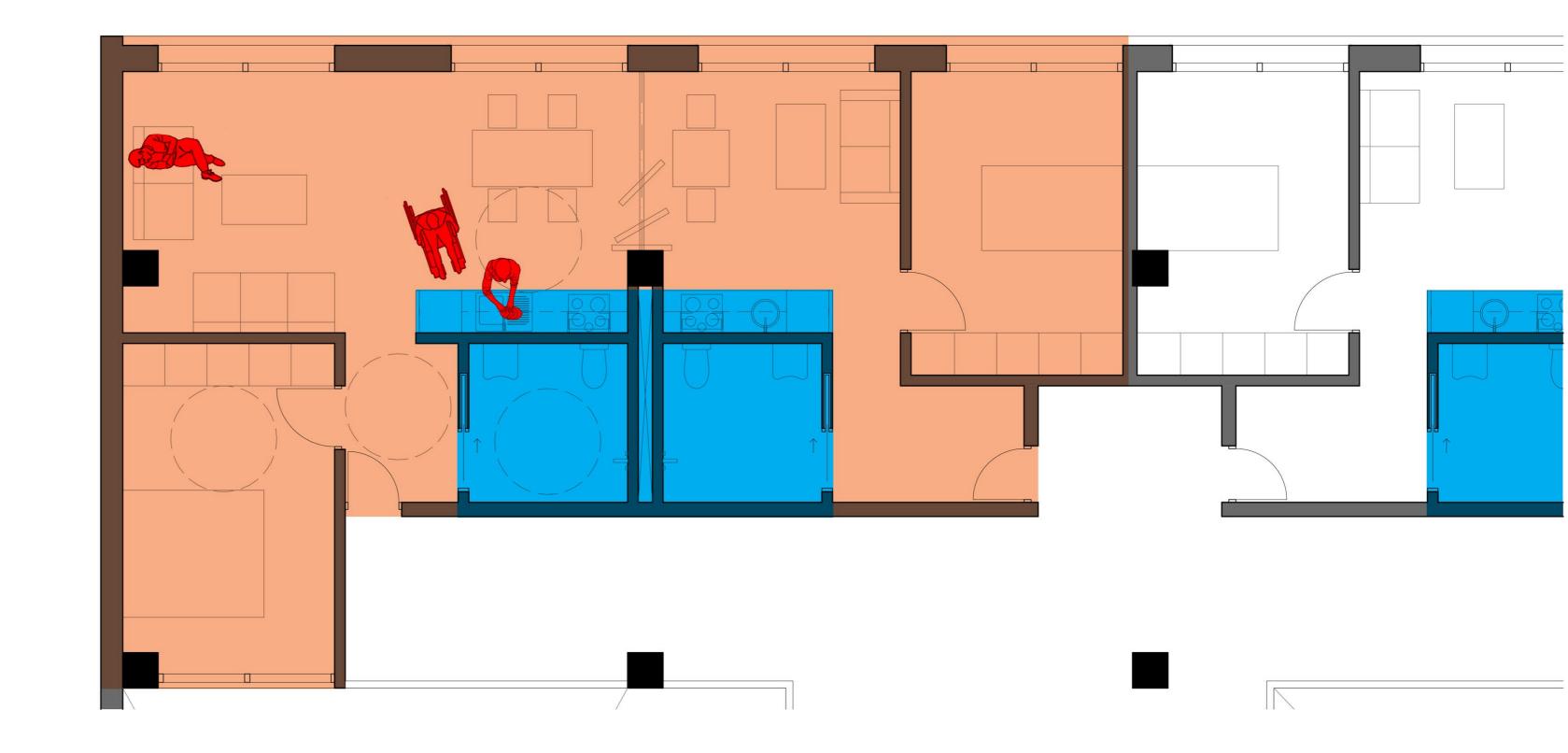
EXAMPLE 2 - SHARED KITCHEN

Disabled or elder couple + Young adult

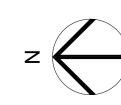


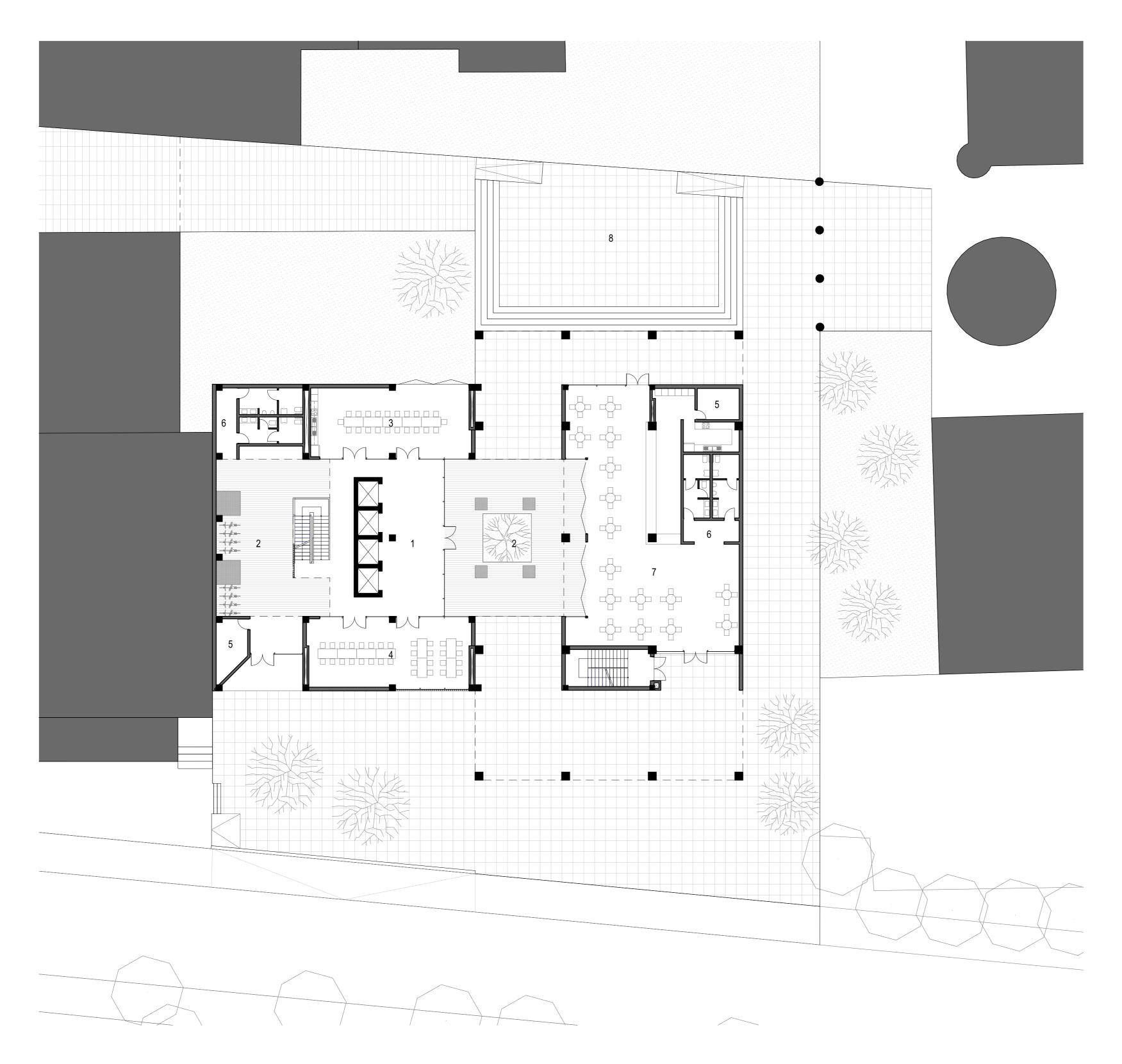
EXAMPLE 2 - SHARED DINNING

Disabled or elder couple + Young adult



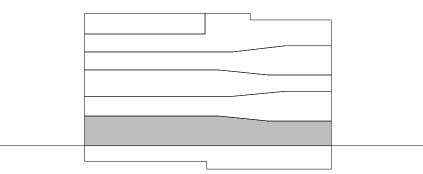
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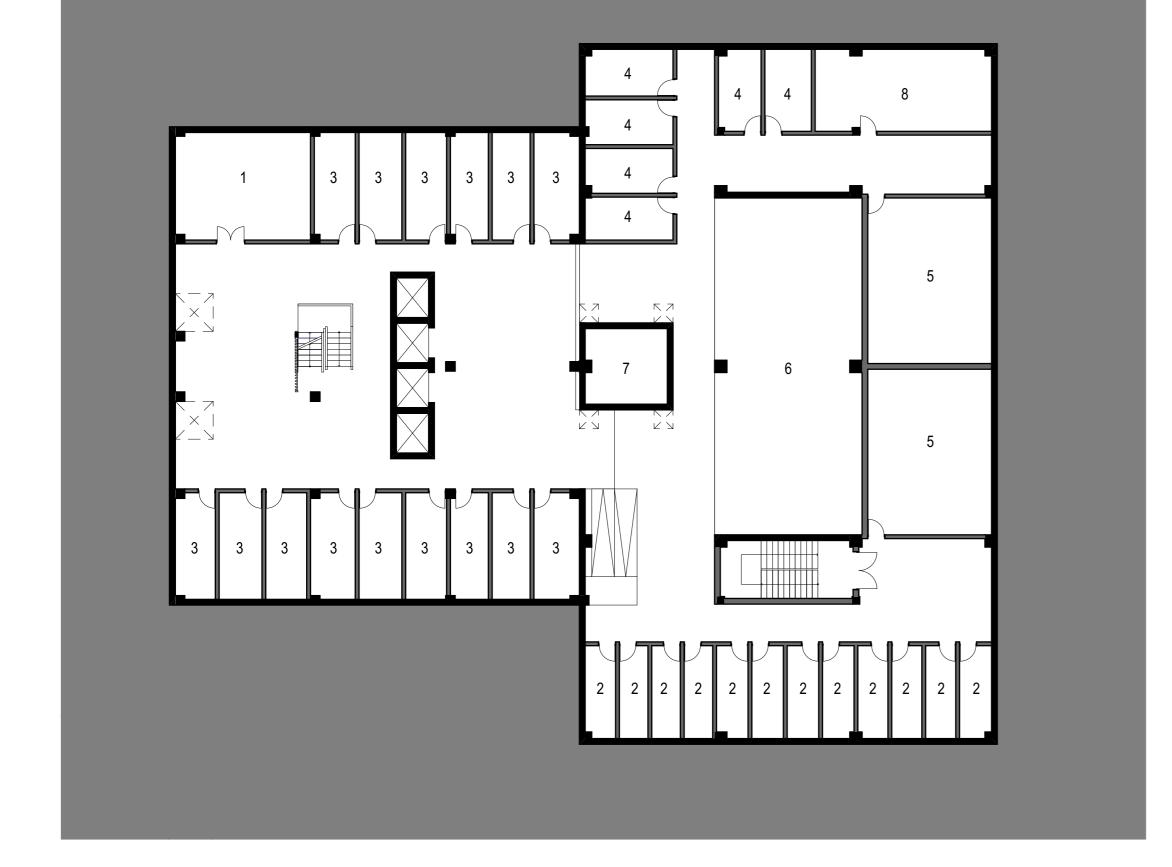
GROUND FLOOR

- 1 Hall
- 2 Inner patio
- 3 Communal kitchen
- 4 Co working room
- 5 Storage
- 6 Restrooms
- 7 Coffee
- 8 Plaza

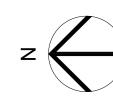


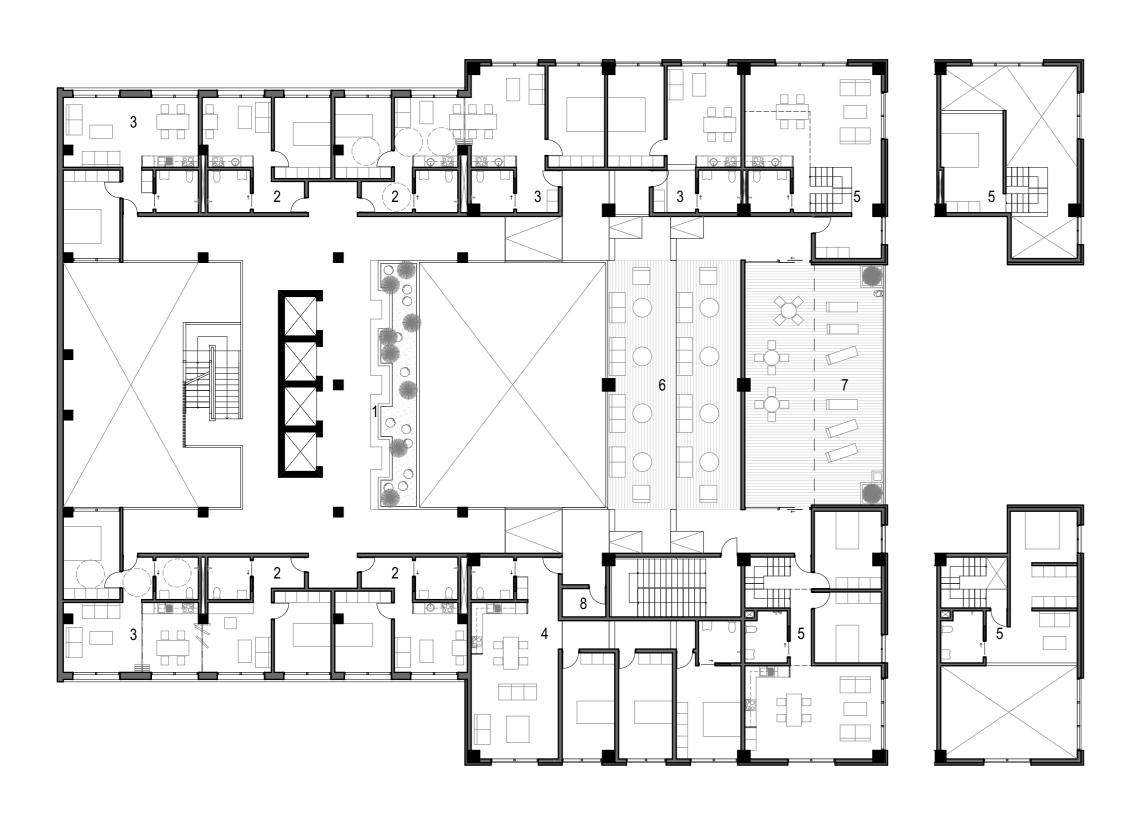


- 1 Laundry room
- 2 Single housing unit's storage
- 3 Couple housing unit's storage
- 4 Family housing unit's storage
- 5 Facilities room
- 6 Rainwater tank
- 7 Tree's pot
- 8 Storage



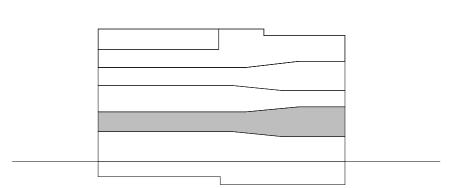
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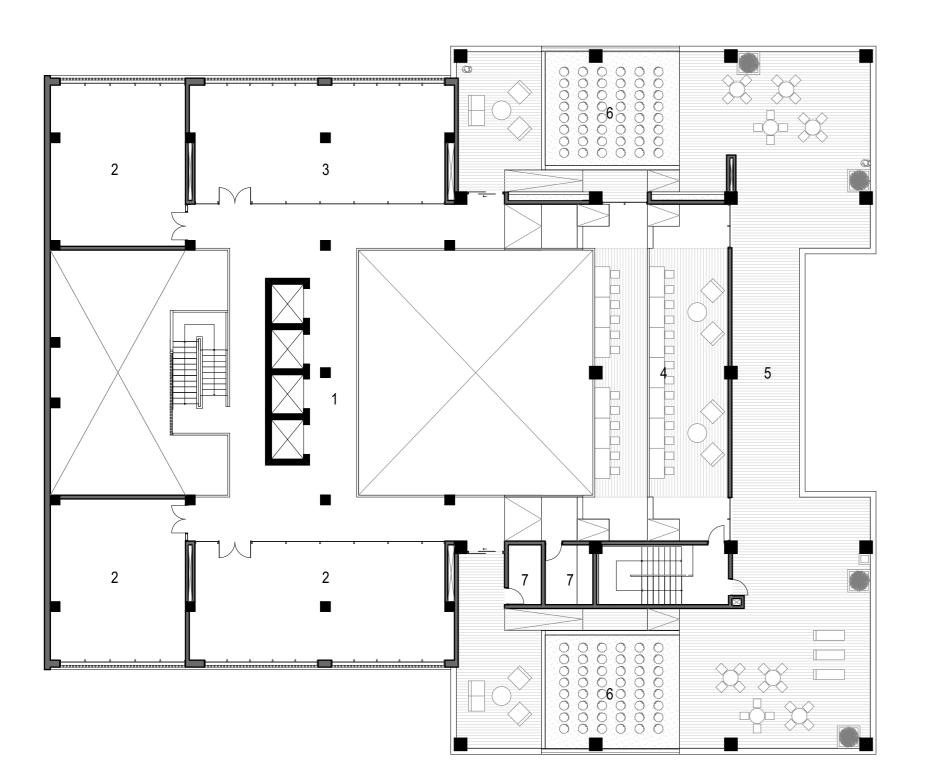




1. LEVEL

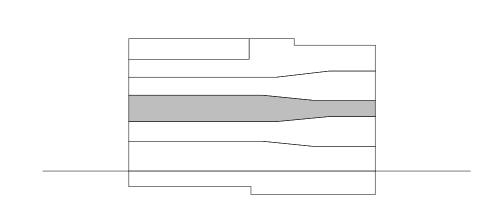
- 1 Hall
- 2 Single housing unit
- 3 Couple housing unit
- 4 Family housing unit
- 5 Double height housing unit
- 6 Lounge
- 7 Common terrace
- 8 Storage

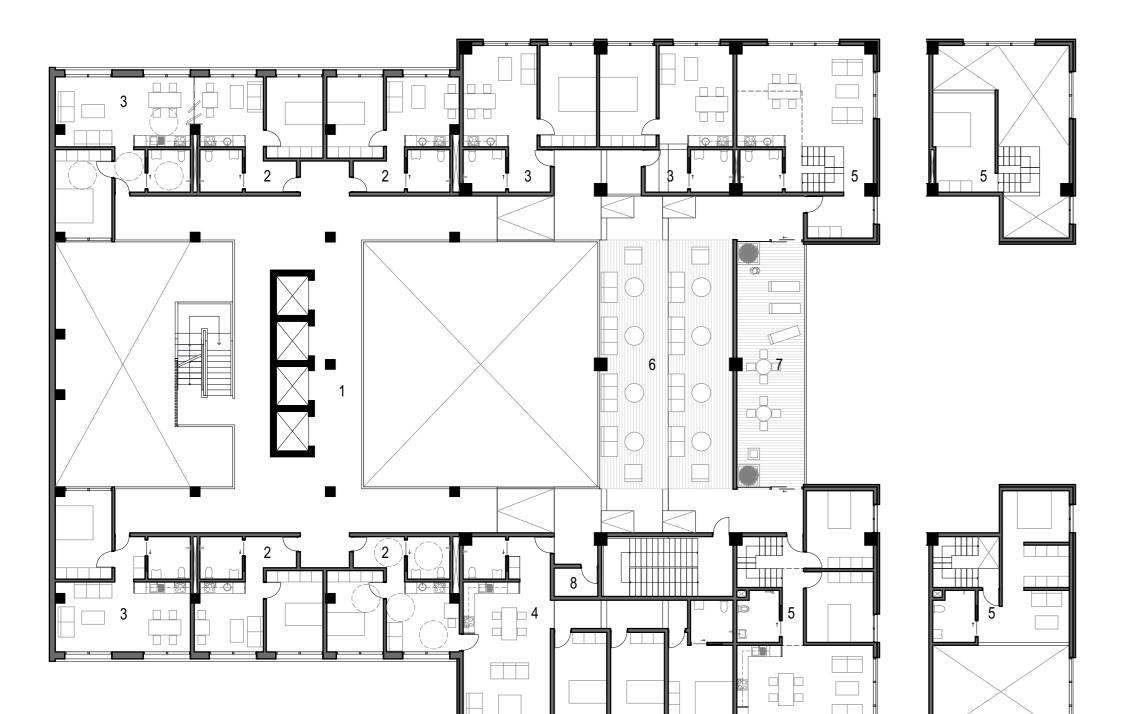




2. LEVEL

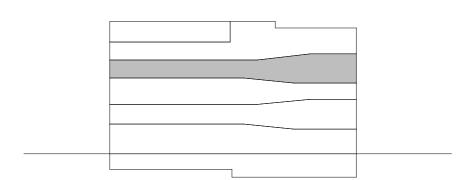
- 1 Hall
- 2 Fitness room
- 3 Multifunctional area
- 4 Common study
- 5 Common terrace
- 6 Garden
- 7 Storage



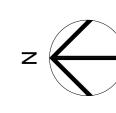


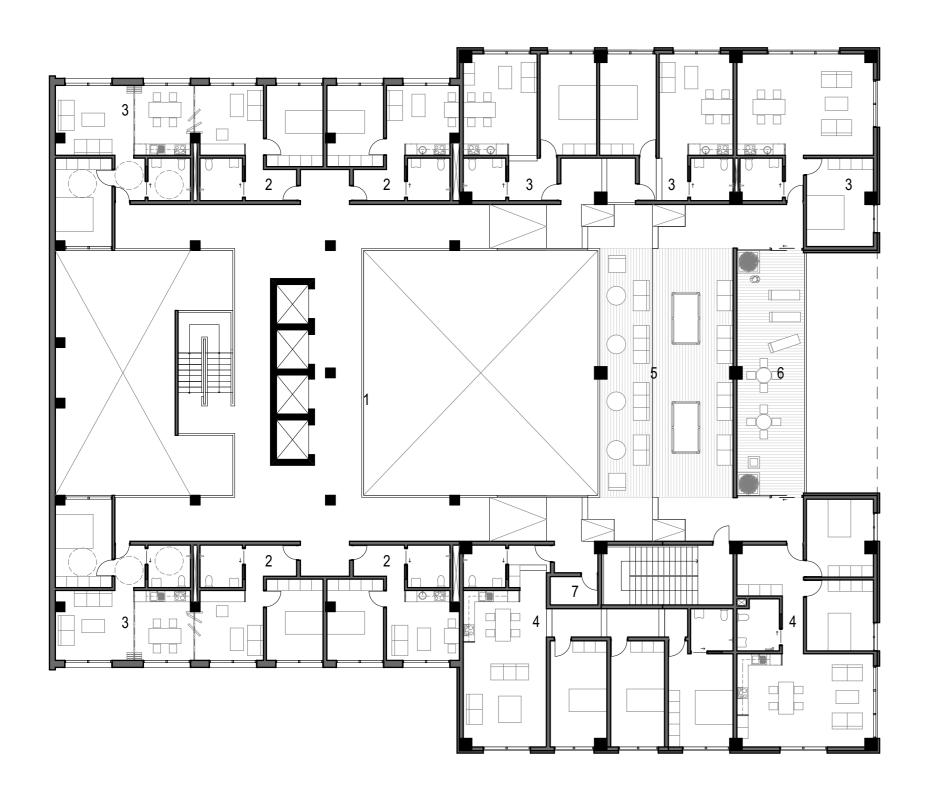
3. LEVEL

- 1 Hall
- 2 Single housing unit
- 3 Couple housing unit
- 4 Family housing unit
- 5 Double height housing unit
- 6 Lounge
- 7 Common terrace
- 8 Storage



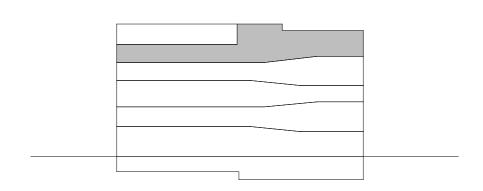
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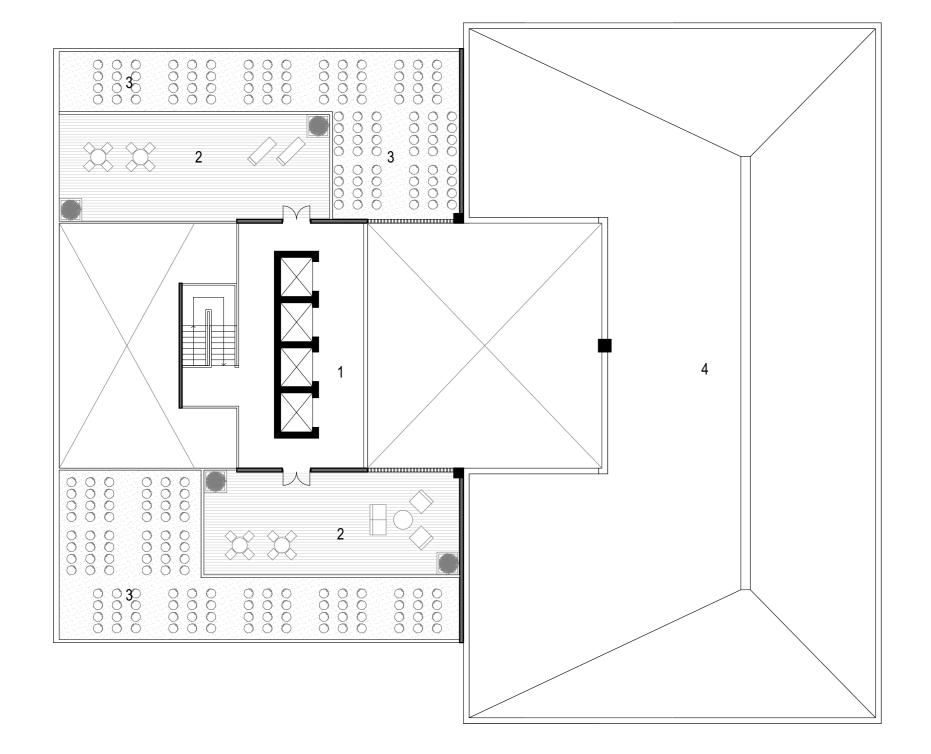
4. LEVEL

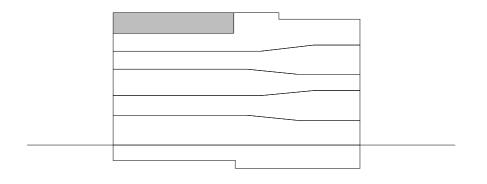
- 1 Hall
- 2 Single housing unit
- 3 Couple housing unit
- 4 Family housing unit
- 5 Lounge
- 6 Common terrace
- 7 Storage

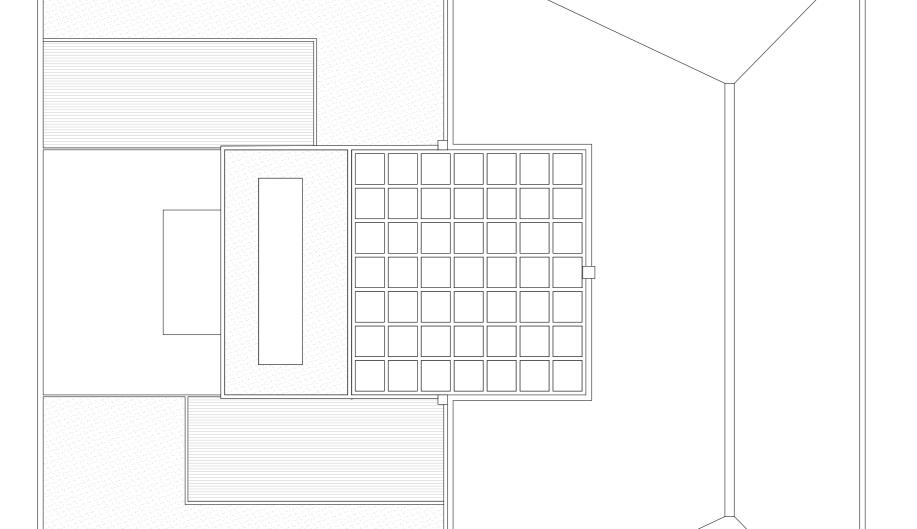


5. LEVEL

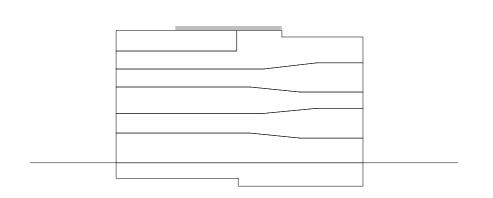
- 1 Hall
- 2 Common terrace
- 3 Garden
- 4 Rainwater harvesting roof





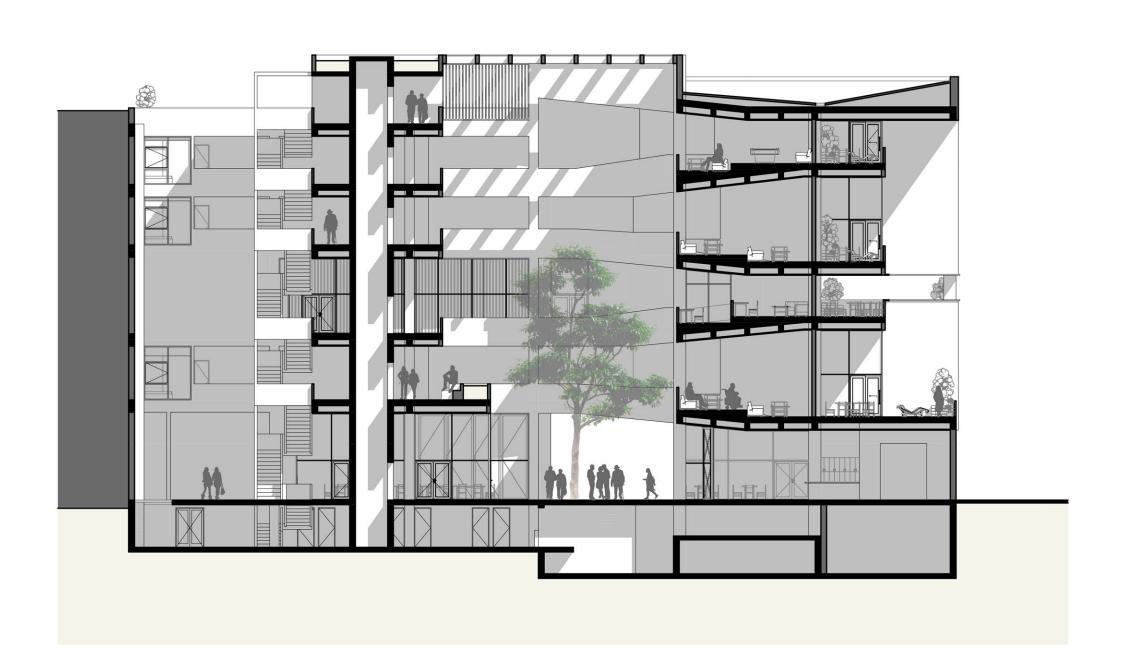


6. ROOF

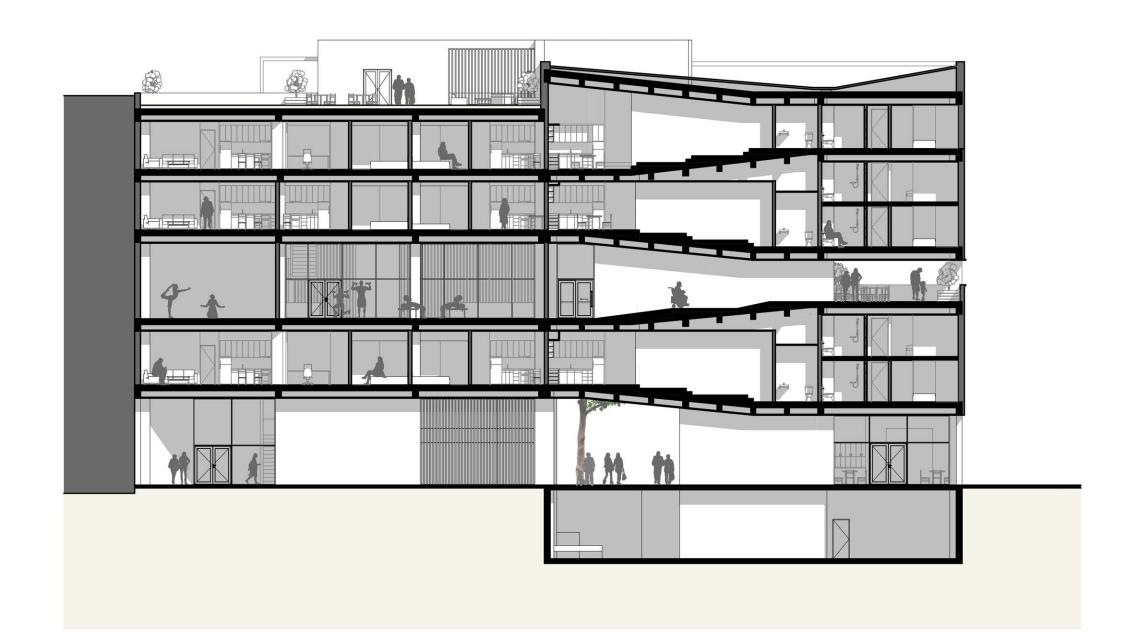


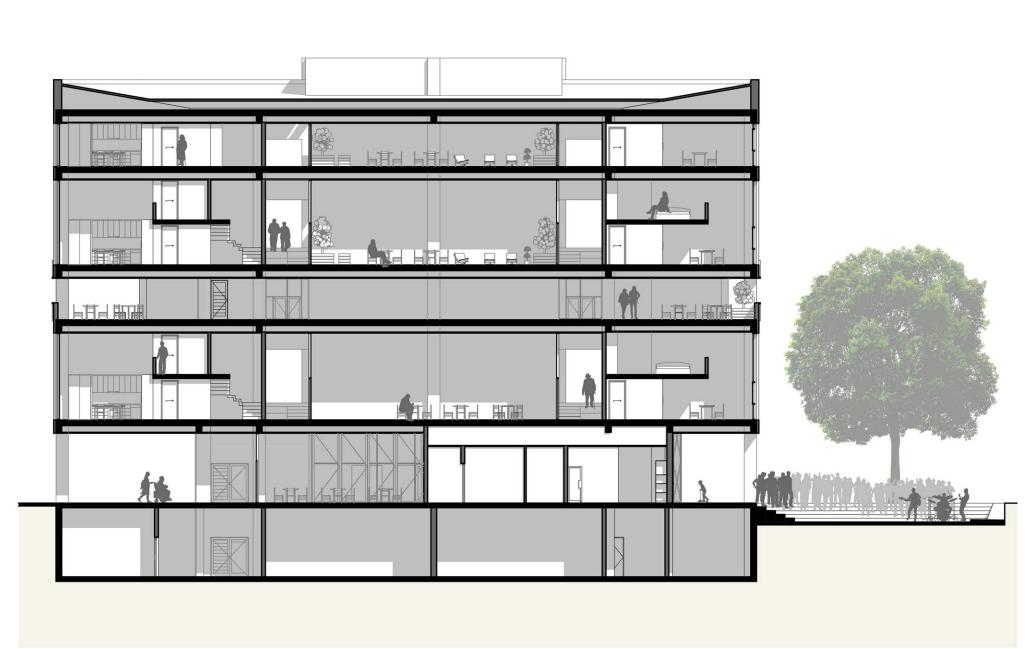
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LONGITUDINAL TRANSVERSAL

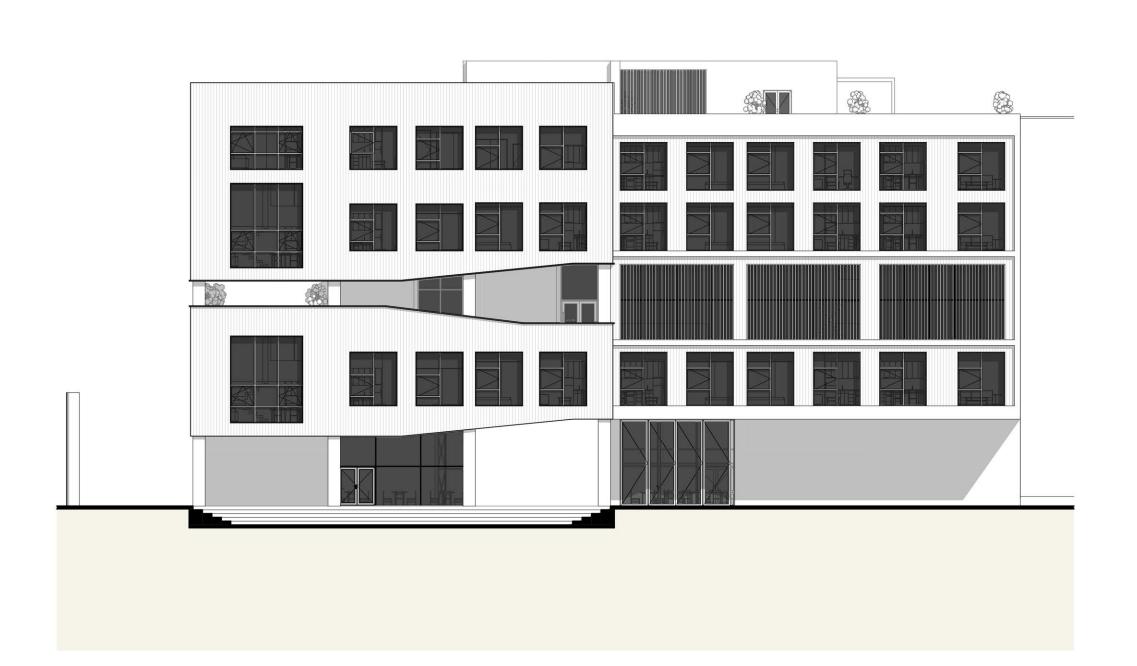


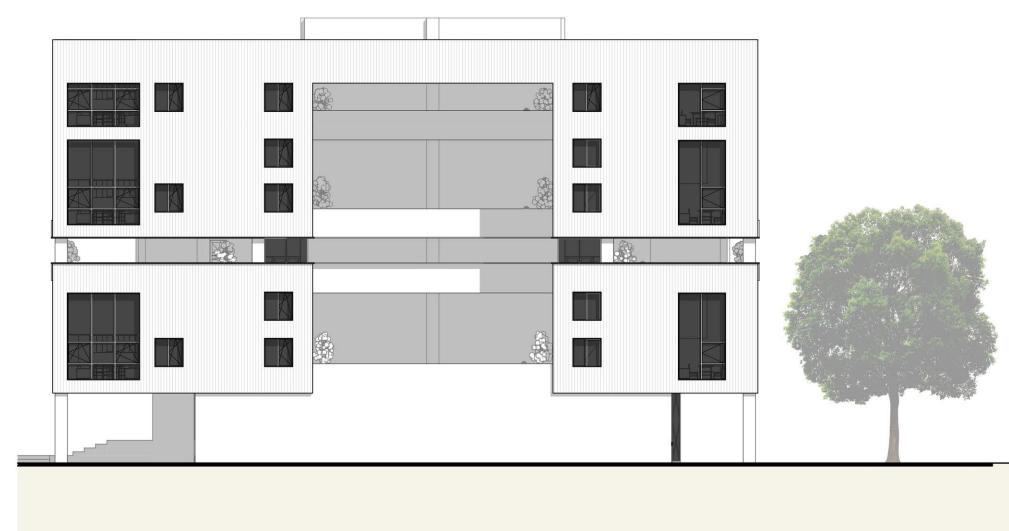






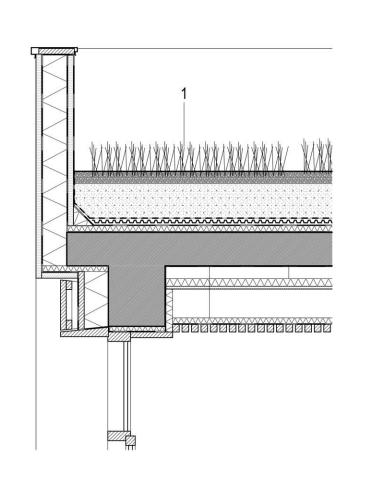




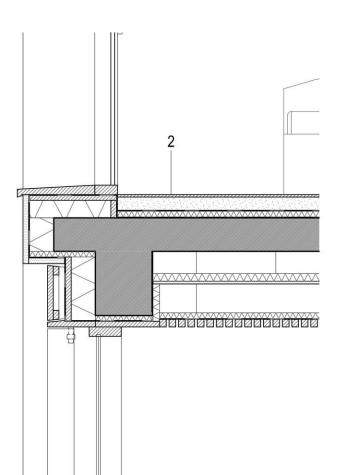


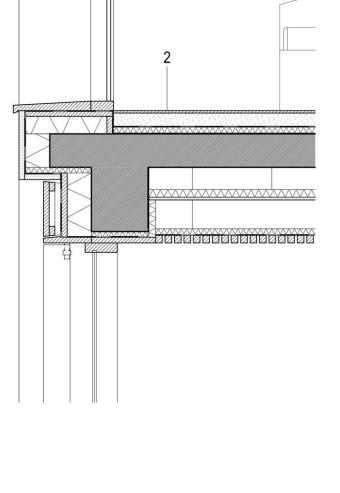
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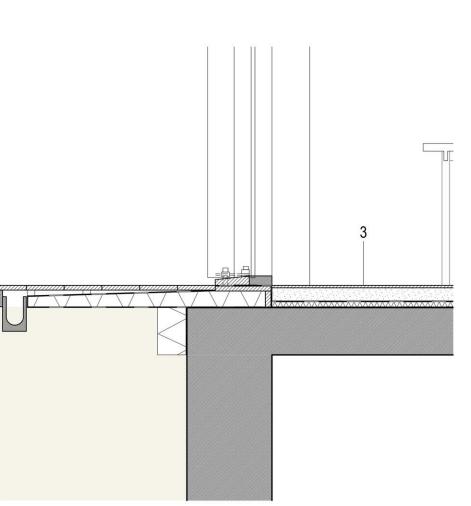
hydrophilic membrane geo membrane metal sheet 0,50 mm vapour barrier 27/100 mm softwood tongued + grooved boarding 2 mm polythene back-up roof sealing layer existing structure polythene vapour-diffusing layer 40 mm sheep-wool sound insulation 15 mm gypsum fibreboard services layer 30 mm sheep-wool acoustic insulation black moisture-resisting mat 40/35 mm untreated silver-fir strips

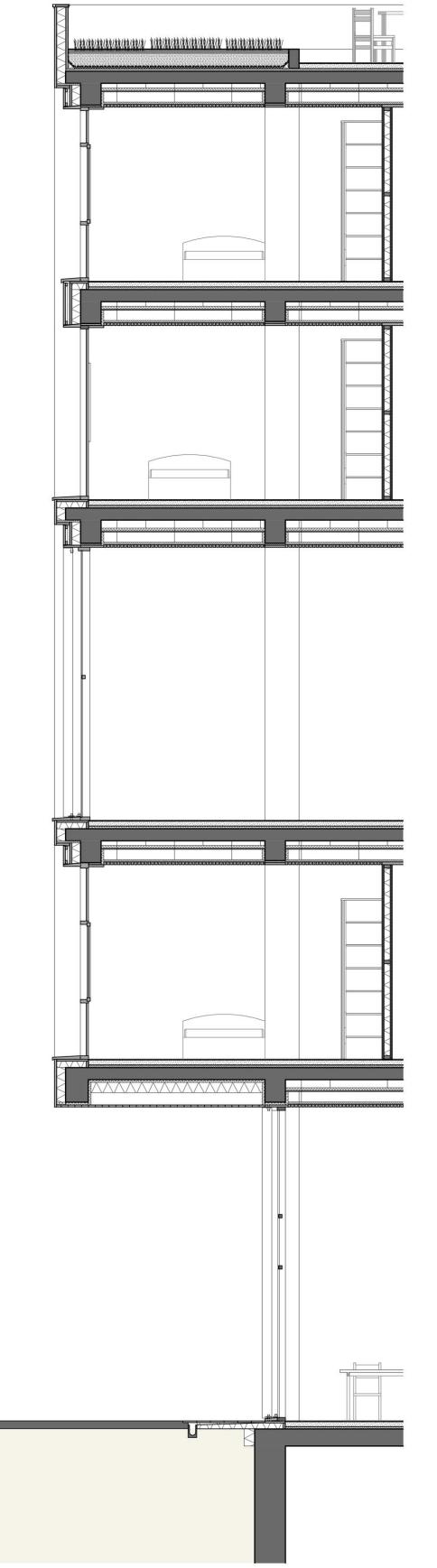


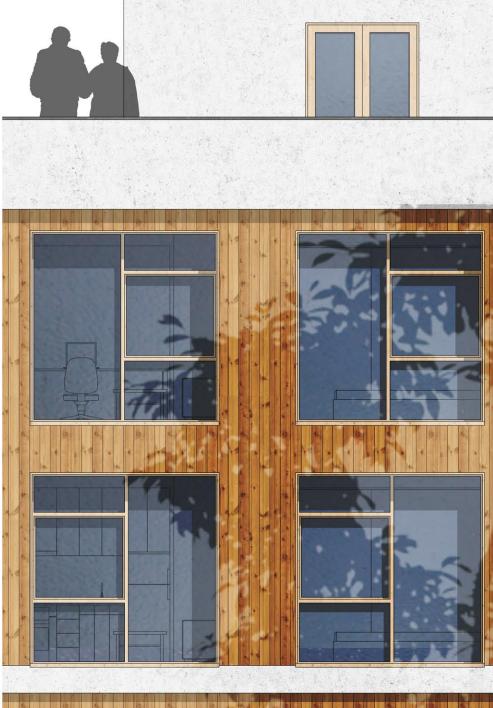
2 floor covering 70 mm screed 30 mm wood-fibre impact-sound insulation moisture-insulation layer existing structure services layer 40 mm sheep-wool sound insulation 15 mm gypsum fibreboard services layer 30 mm sheep-wool acoustic insulation black moisture-resisting mat 40/35 mm untreated silver-fir strips









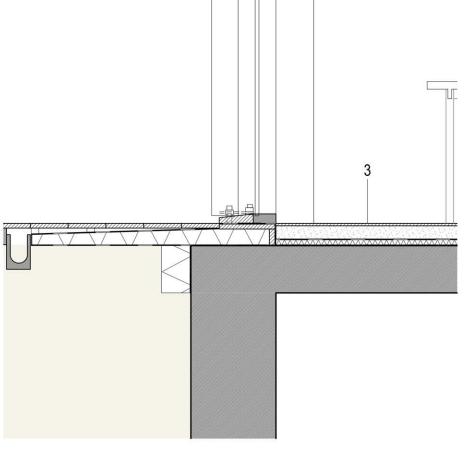


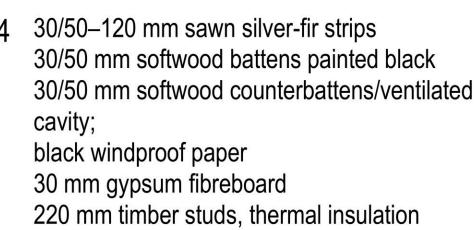






3 floor covering 70 mm screed steam barrier-insulation layer 30 mm insulation felt sheep wool moisture-insulation layer existing structure





12,5 mm gypsum fibreboard PE foil vapour barrier 12,5 mm Gypsum fibreboard 50/200 mm untreated silver-fir sunscreen fins, pivotable via sliding rod

