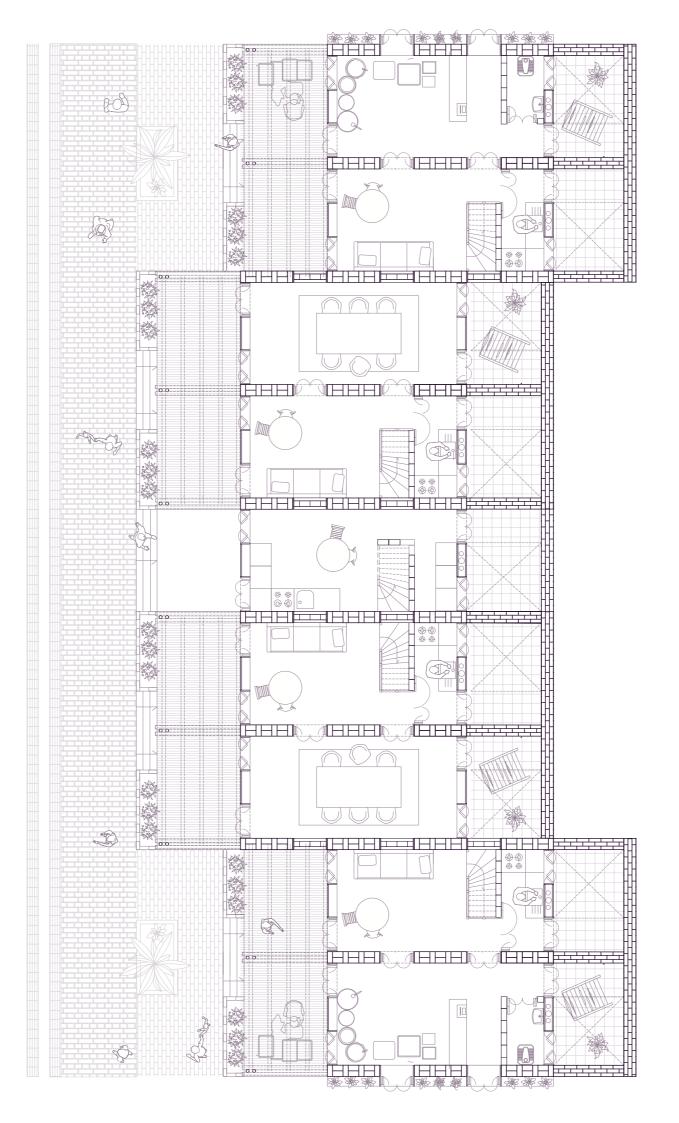
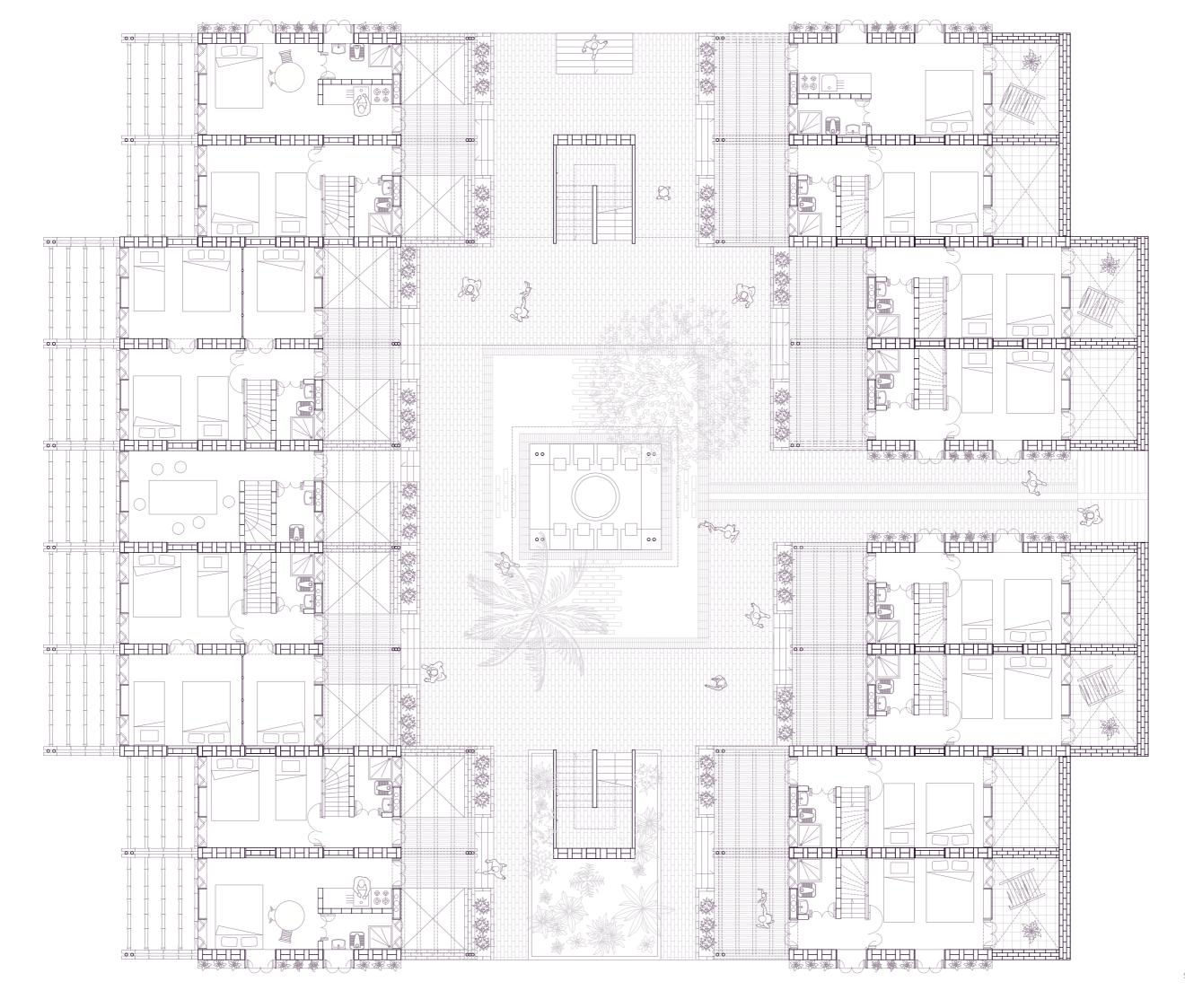
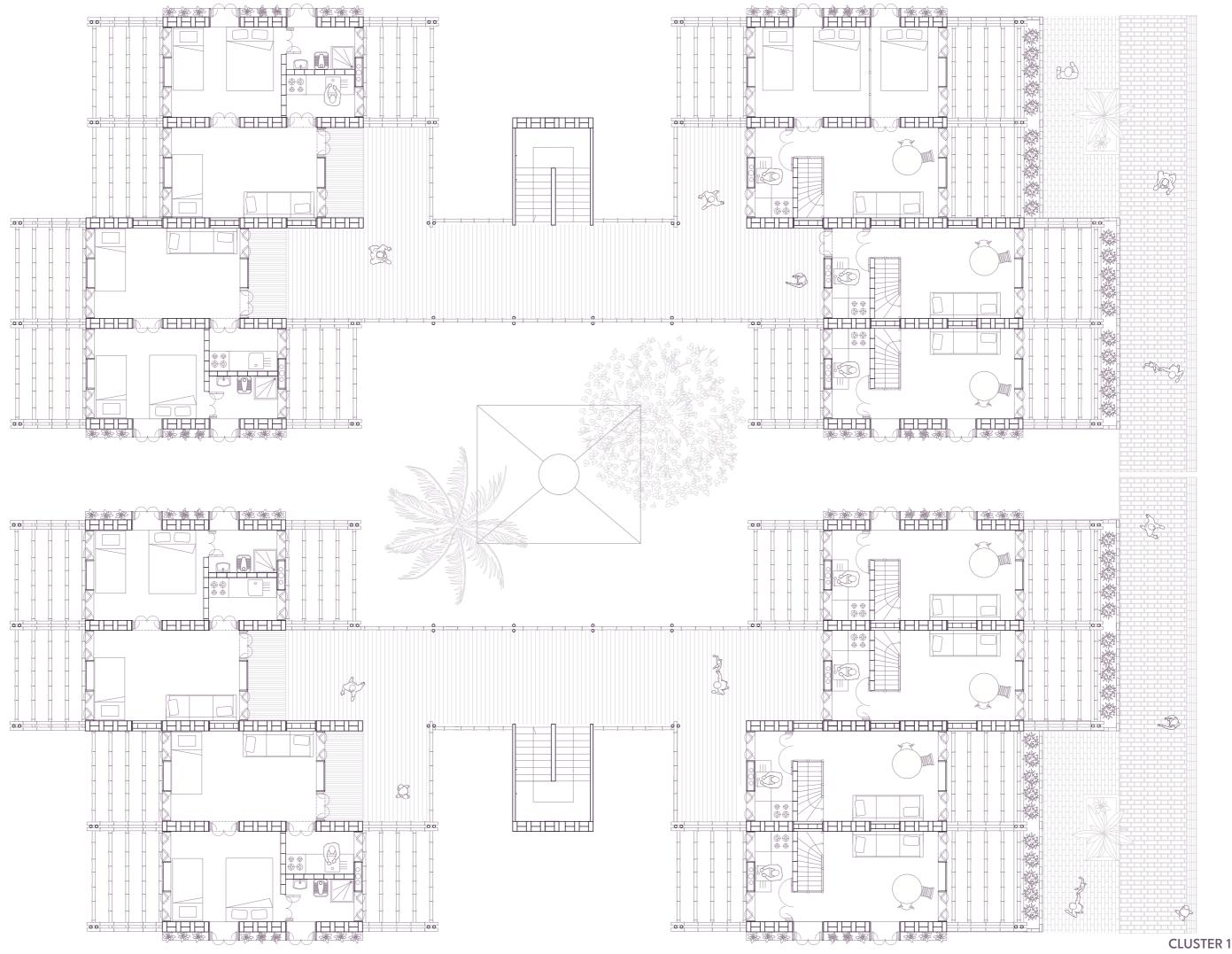
DESIGN DRAWINGS

Marion Achach - TU Delft - Global Housing Graduation Studio June 28th, 2024

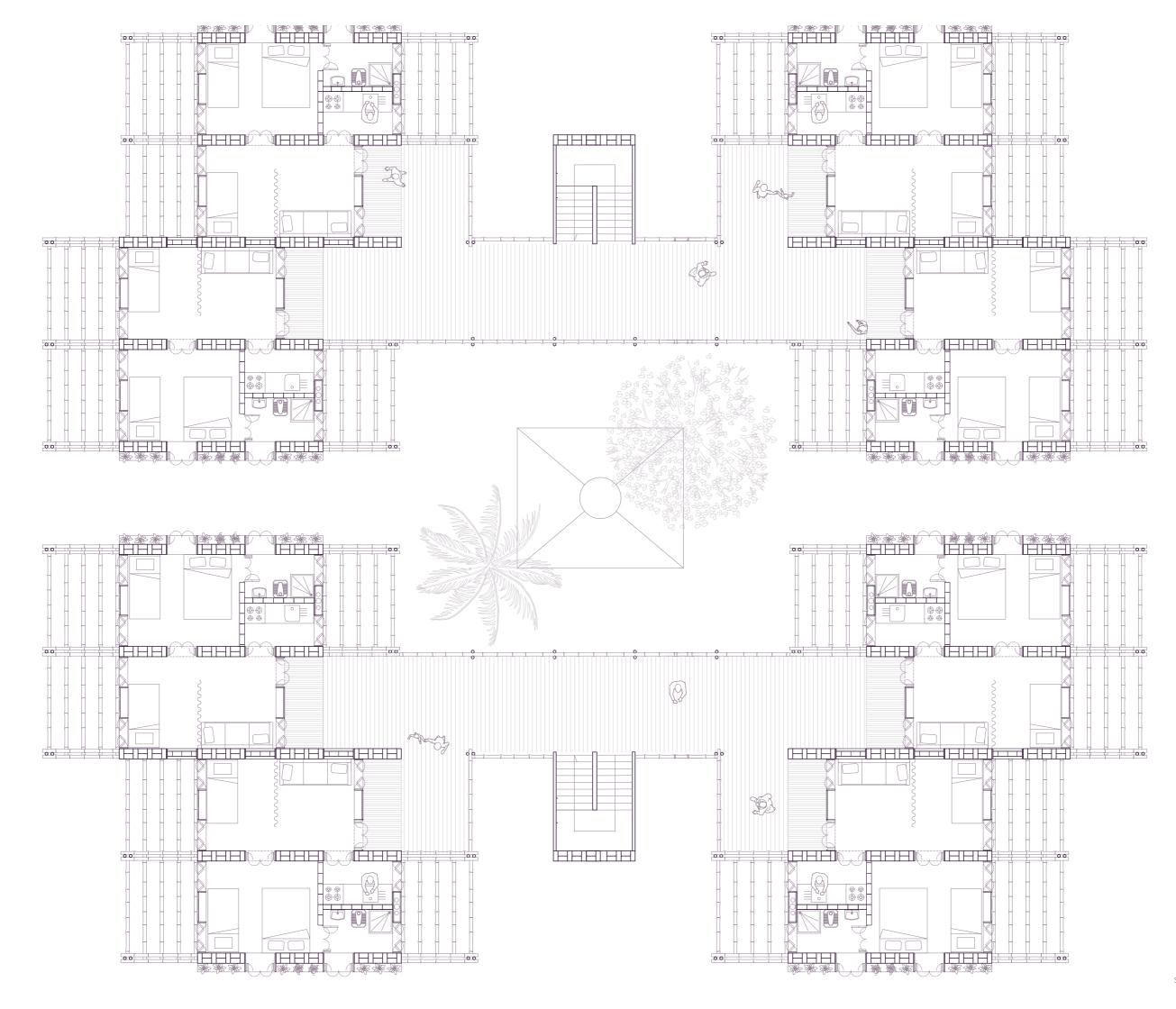




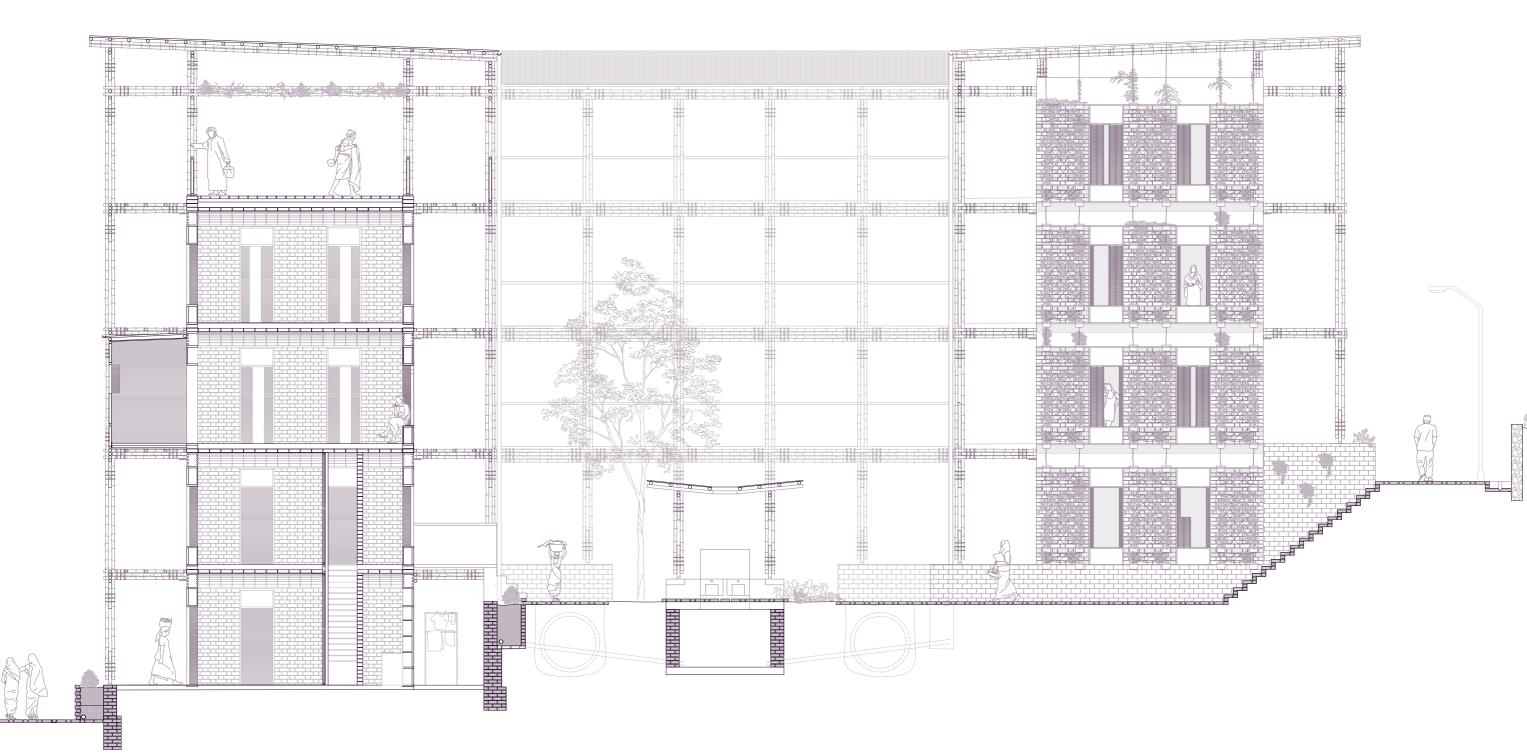




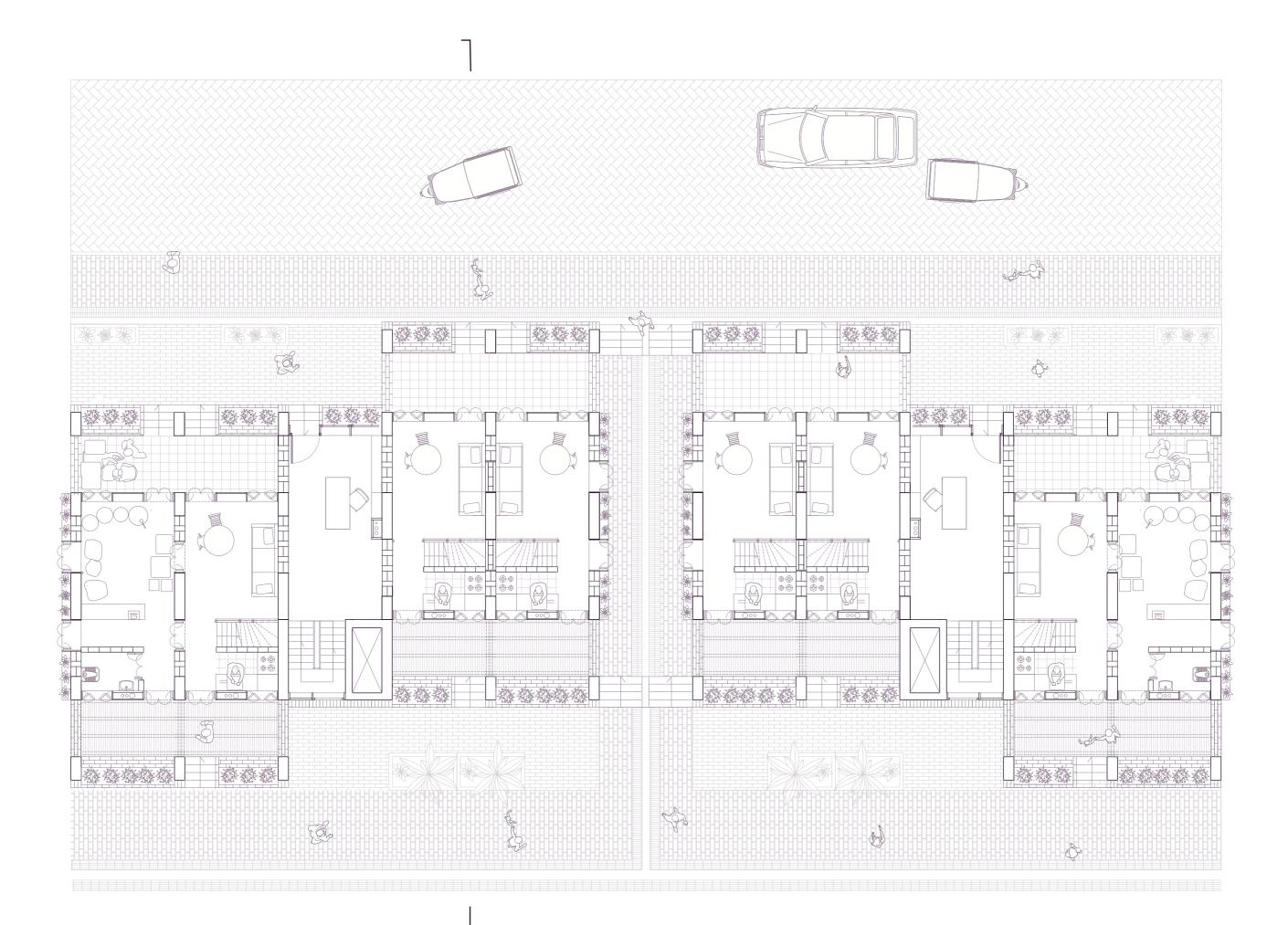
scale 1:100 - level 3

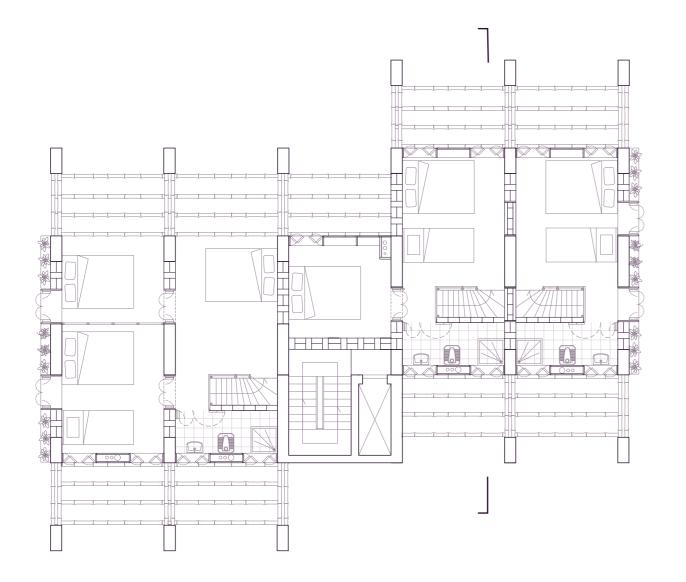


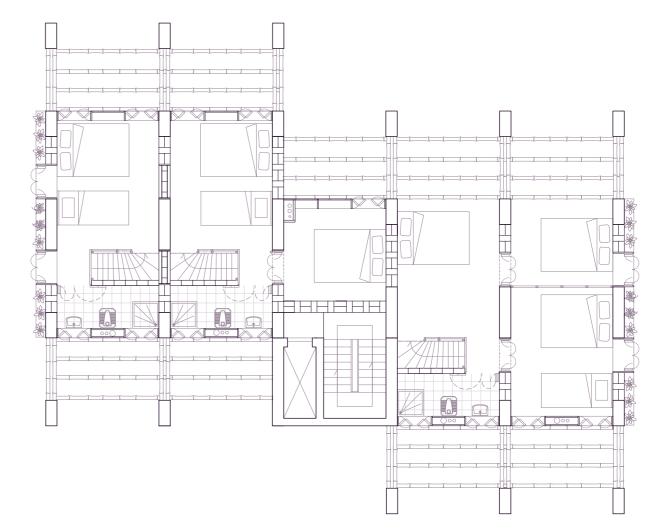
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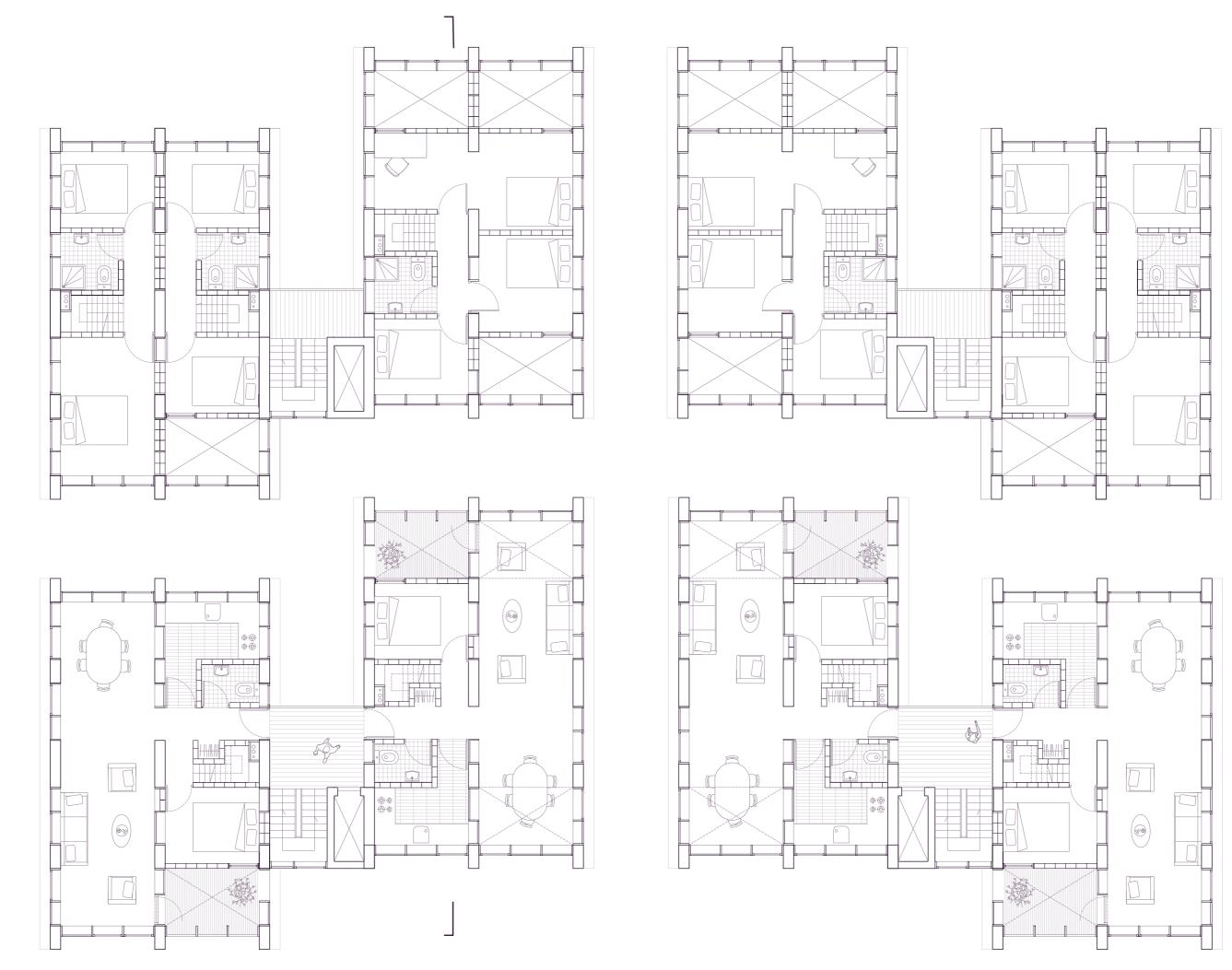






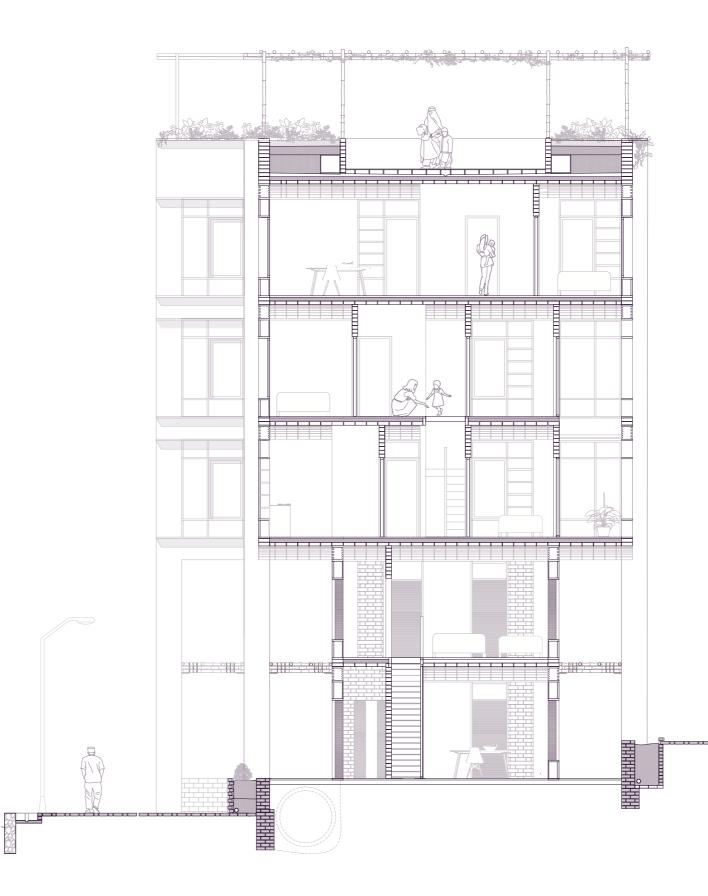






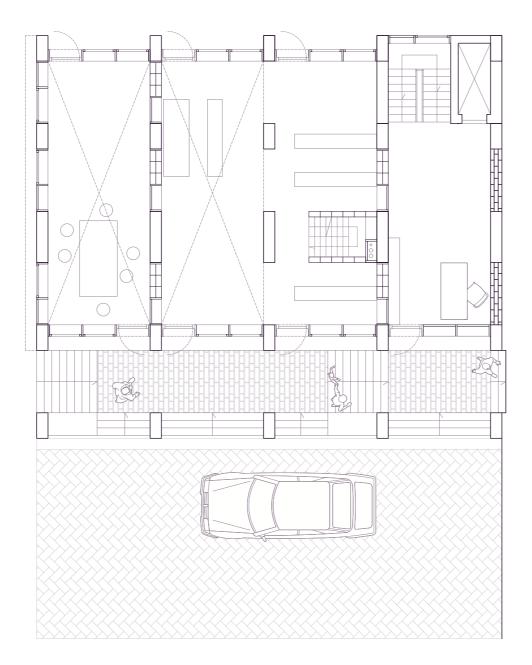
level 3





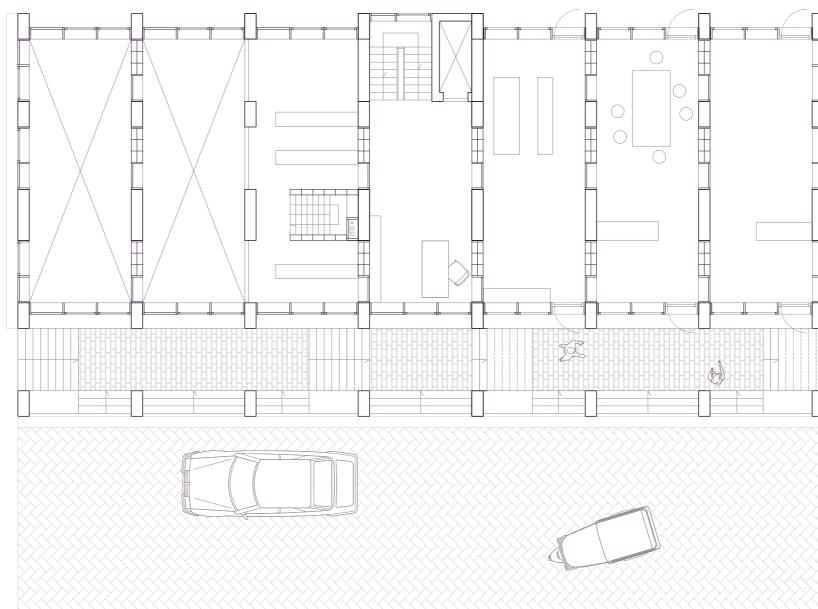






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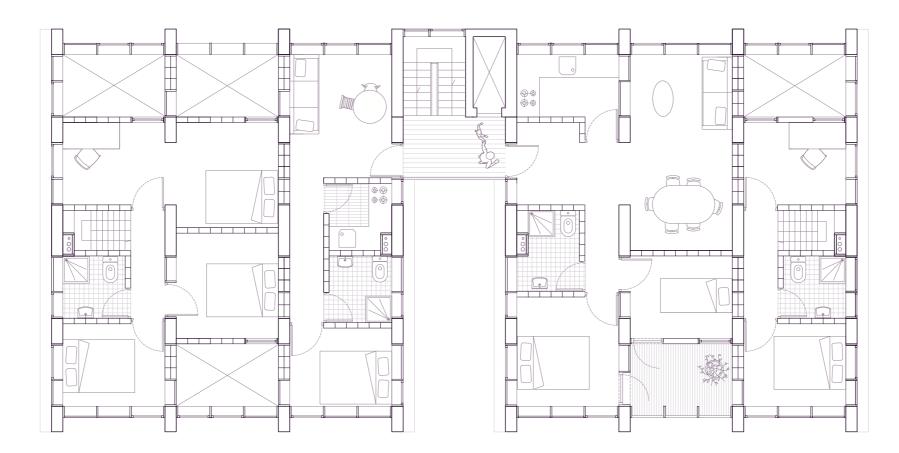


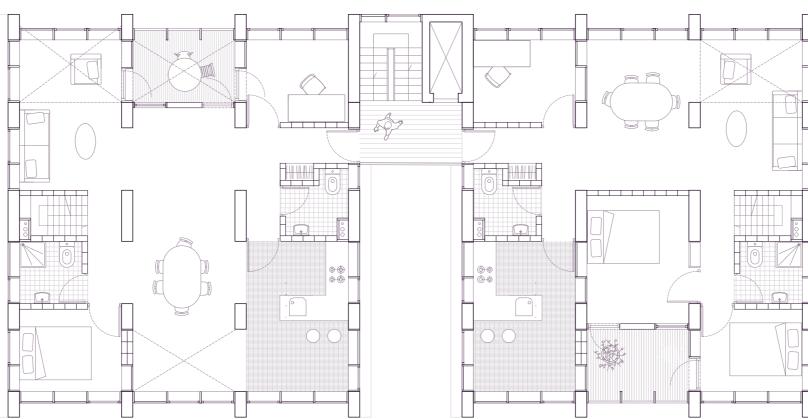


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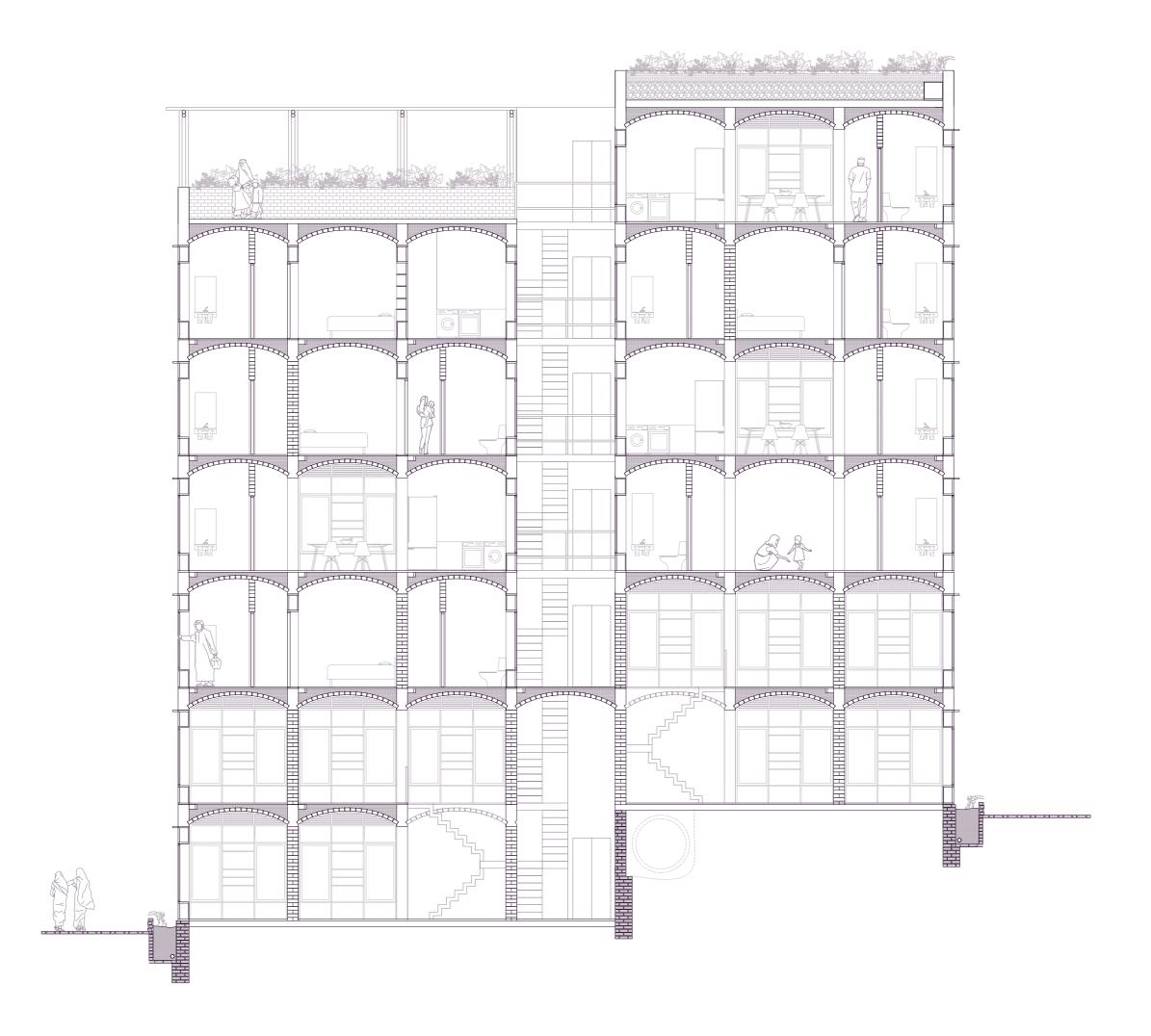
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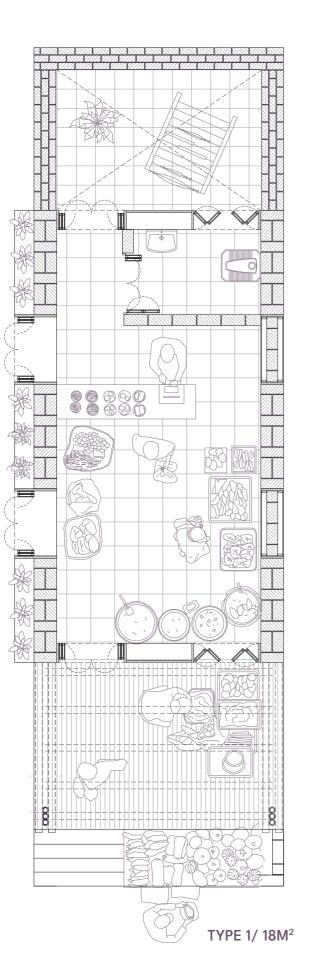
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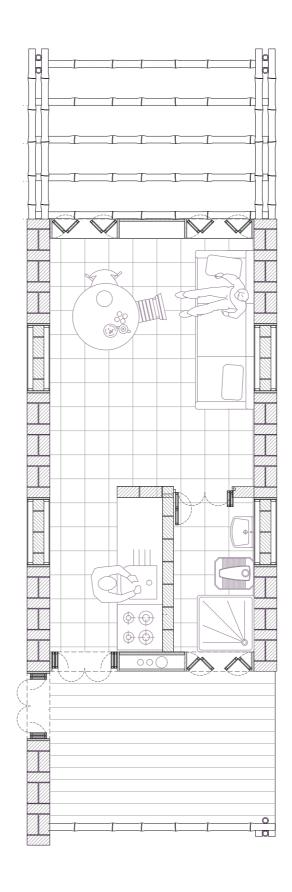
level 2





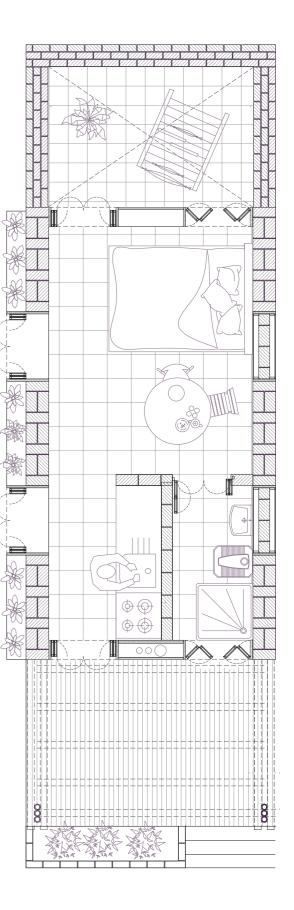


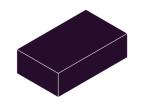


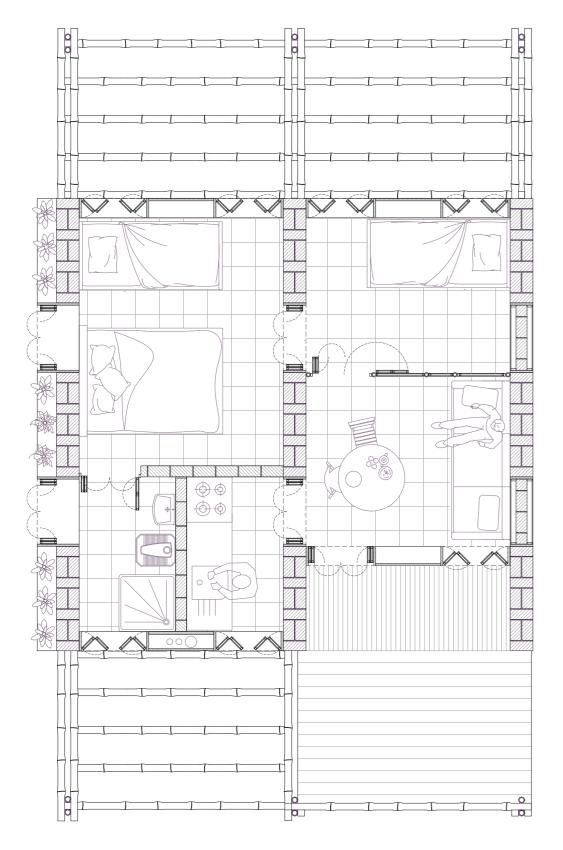


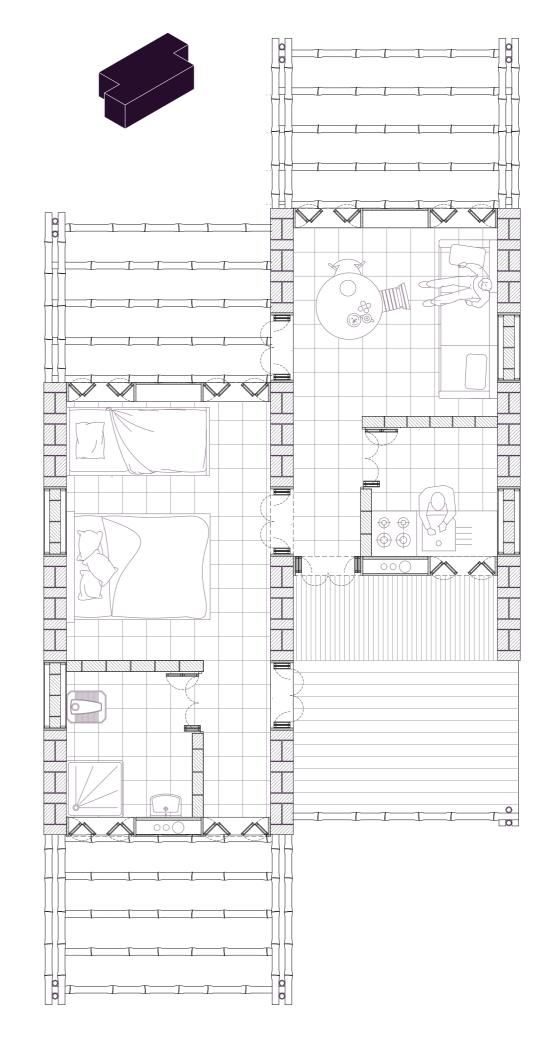
TYPE 1'/ 18M²







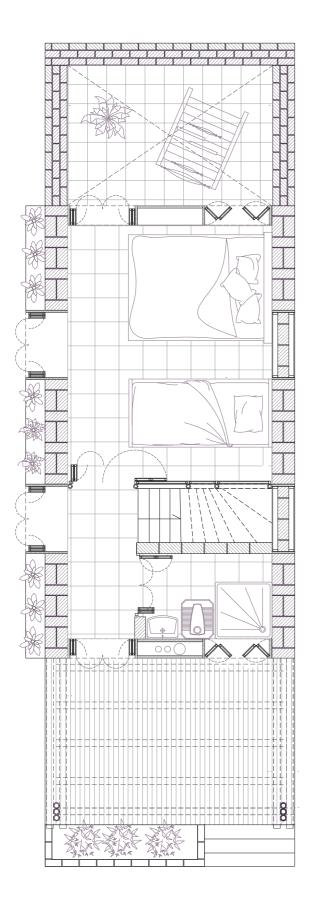


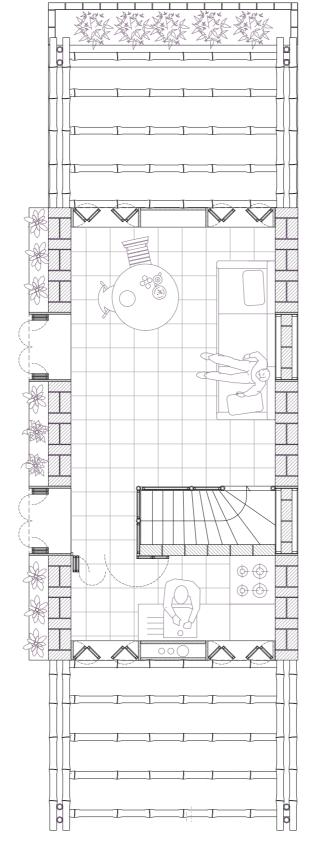


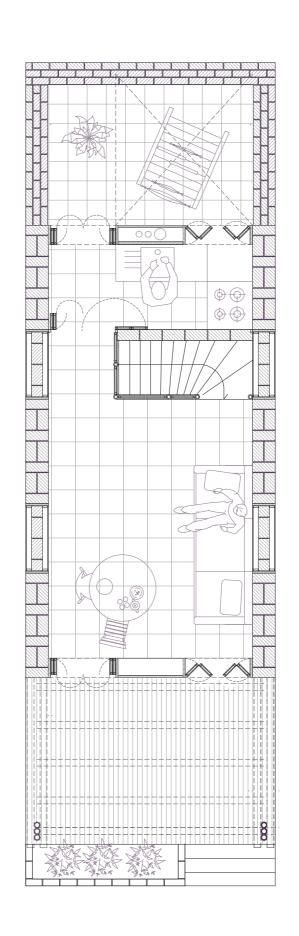
TYPE 2/ 36M²



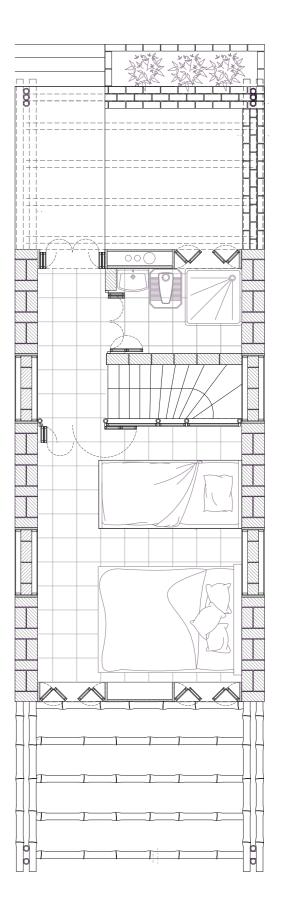






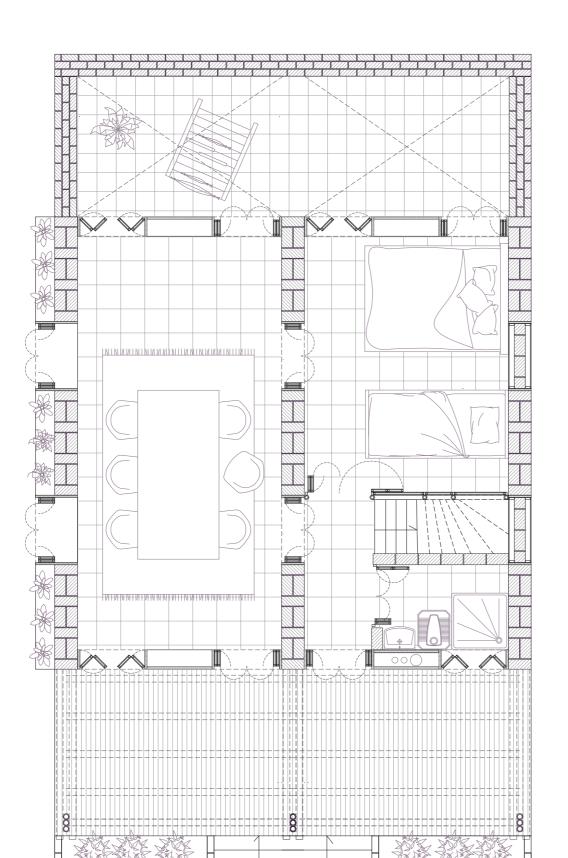


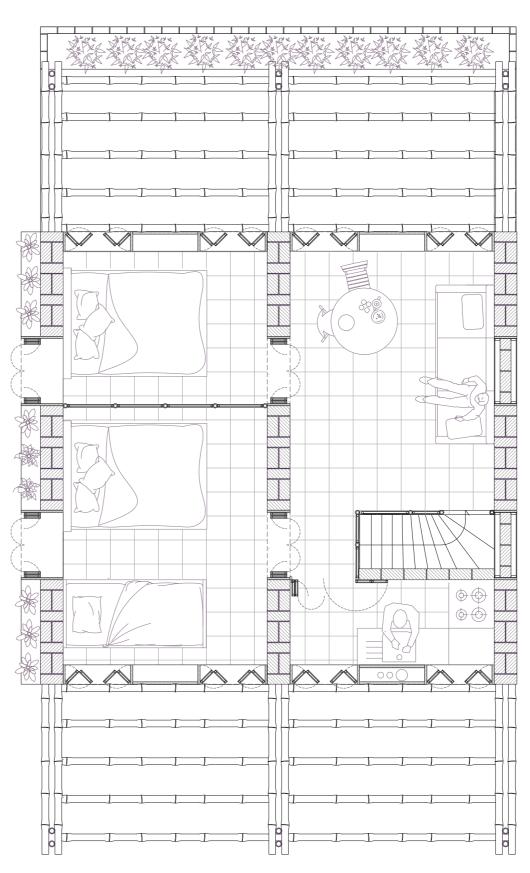
TYPE 3/ 36M²



TYPE 3'/ 36M² scale 1:50

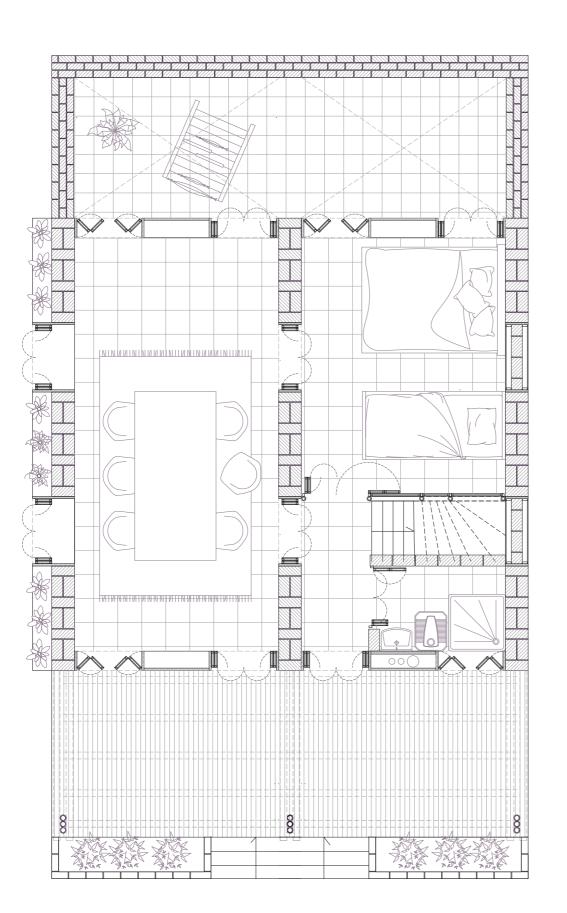


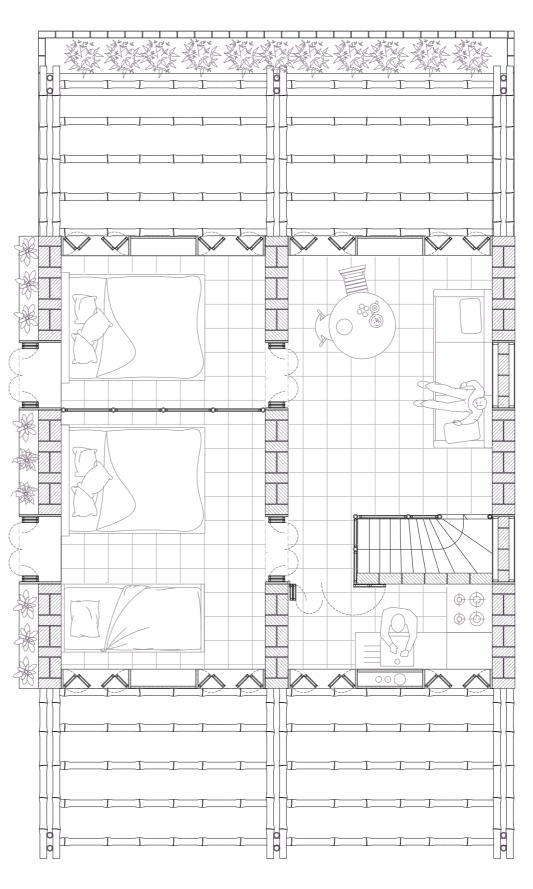






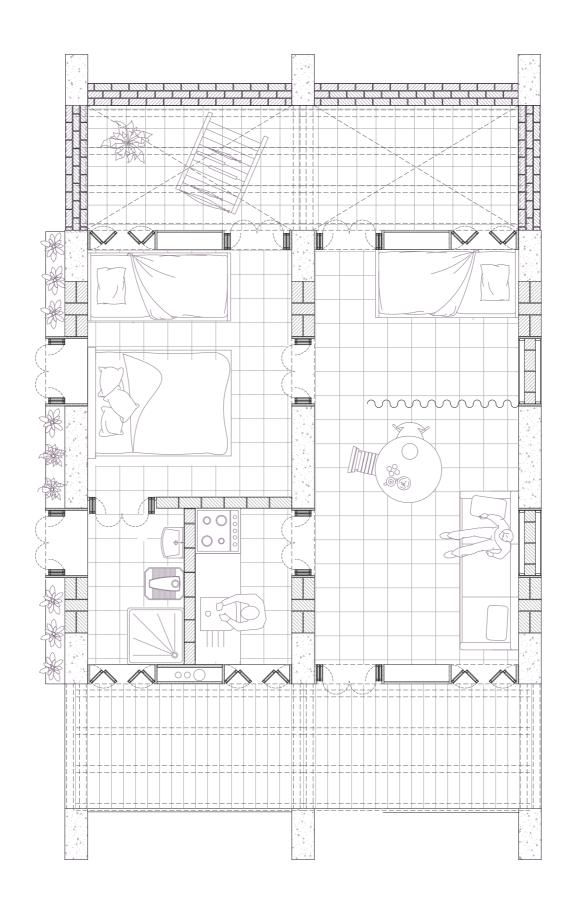




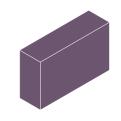


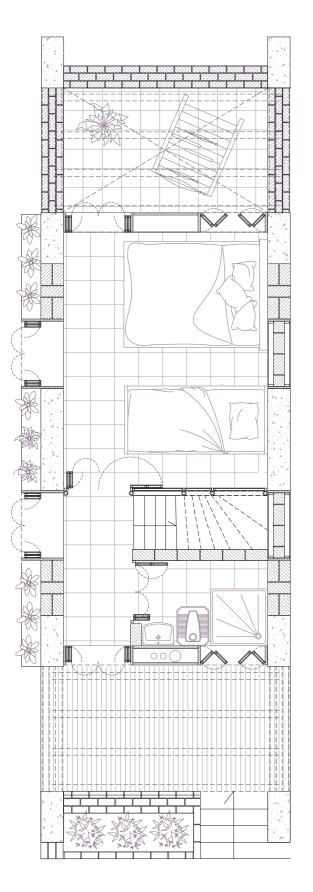


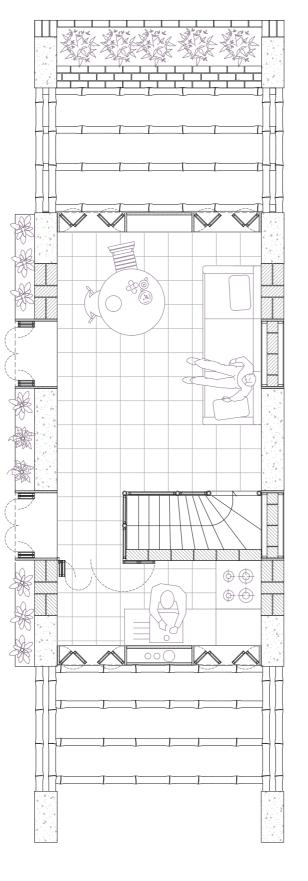


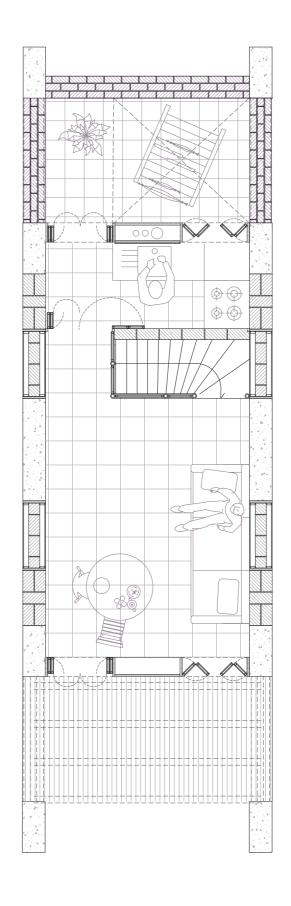


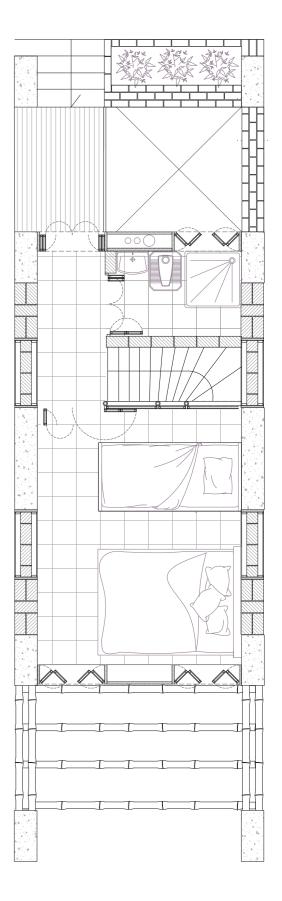




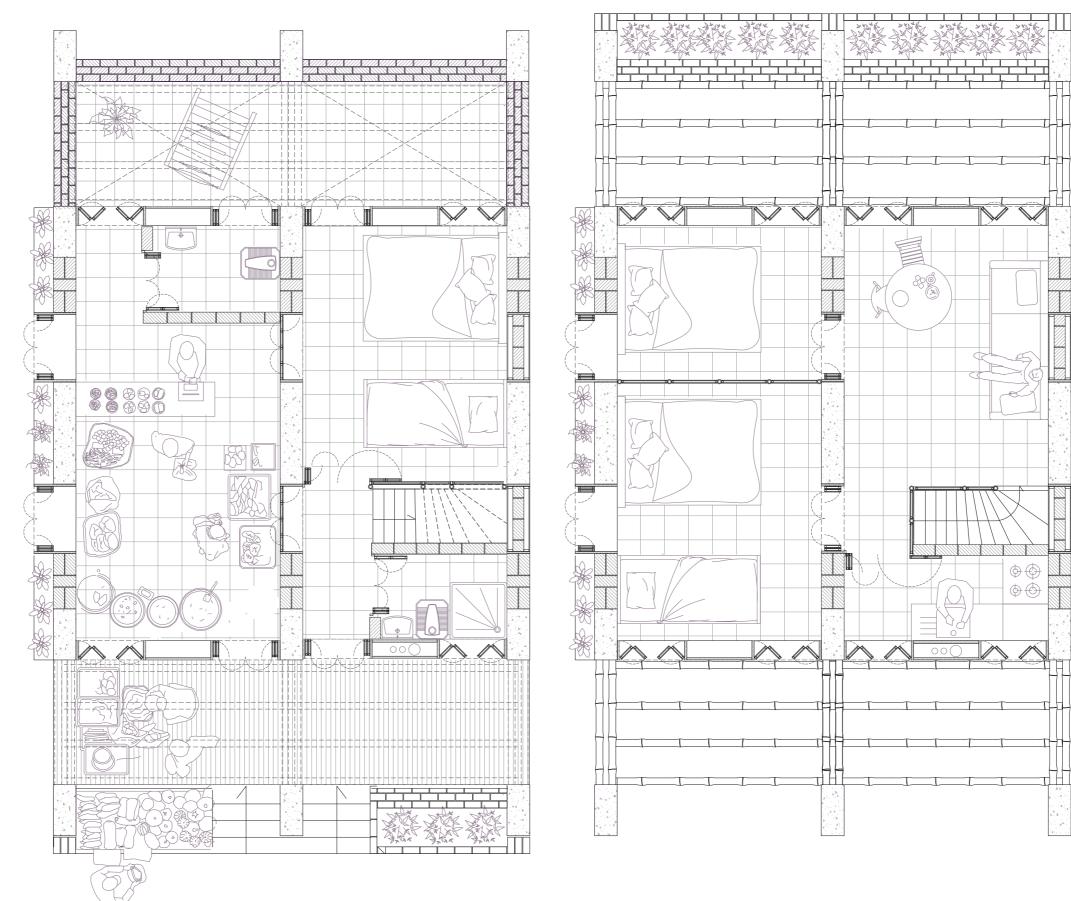


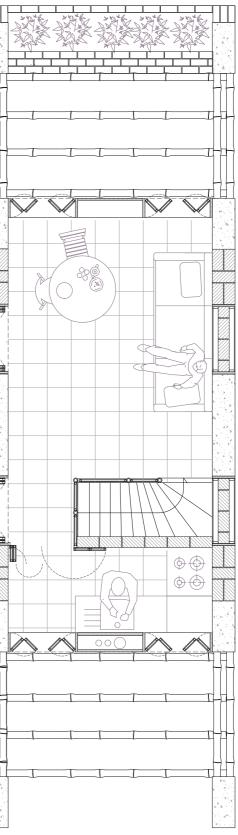






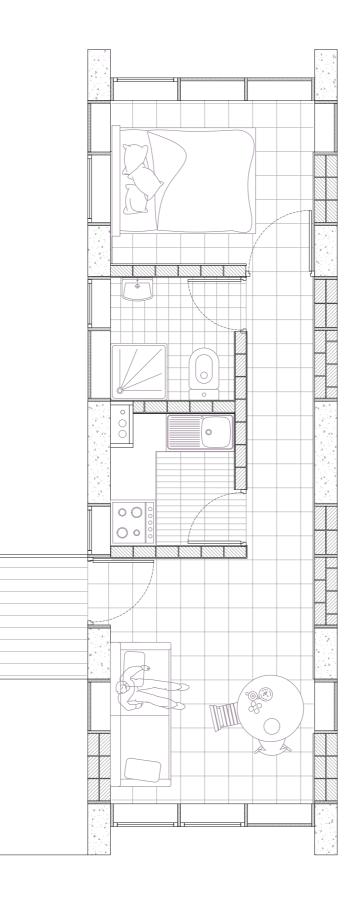






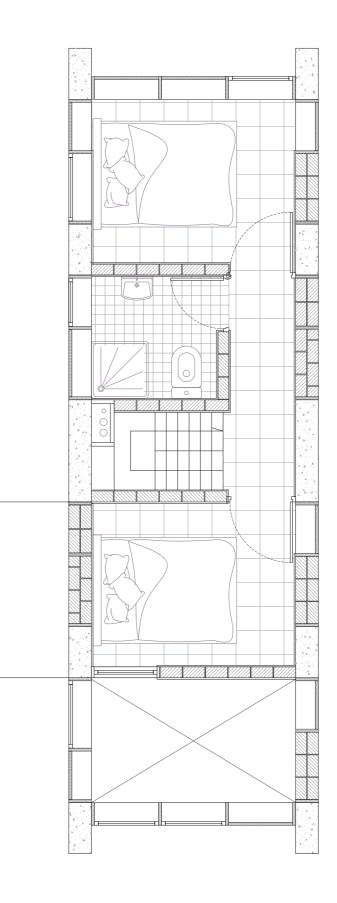


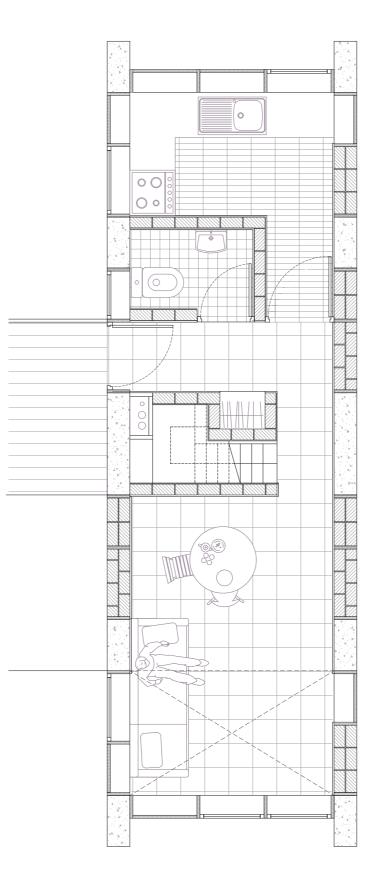






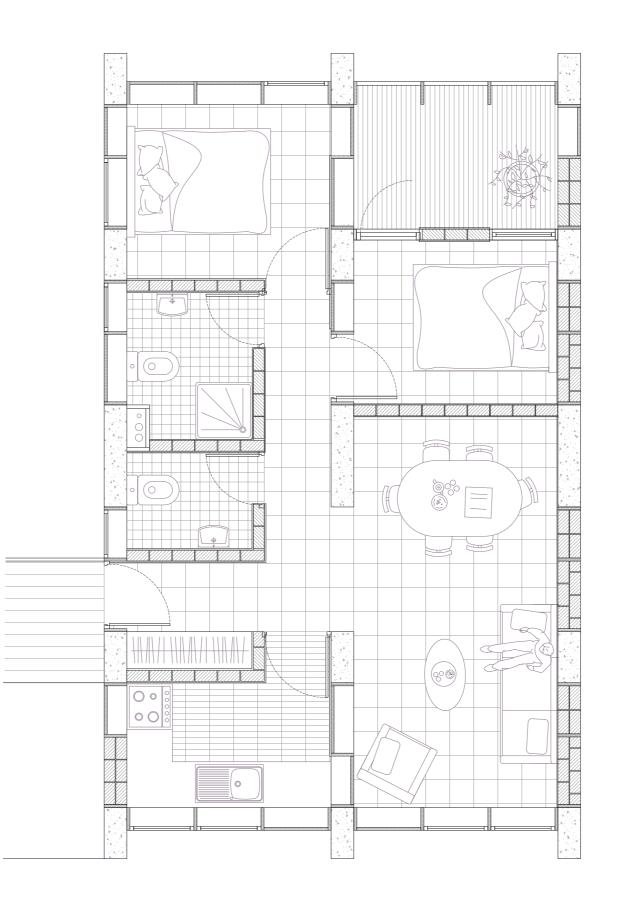








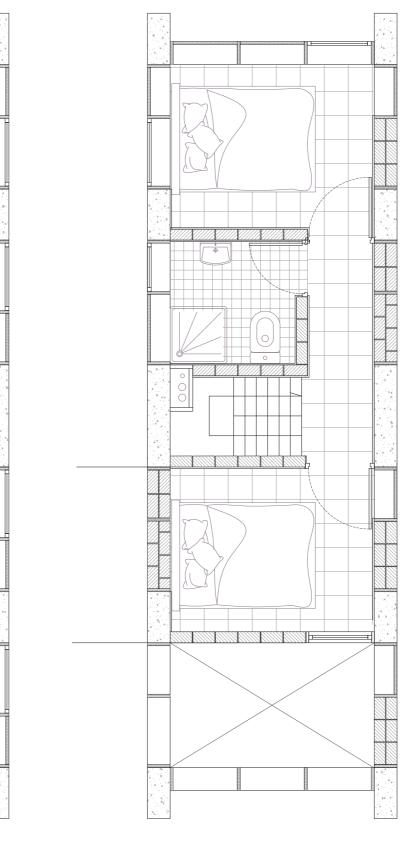


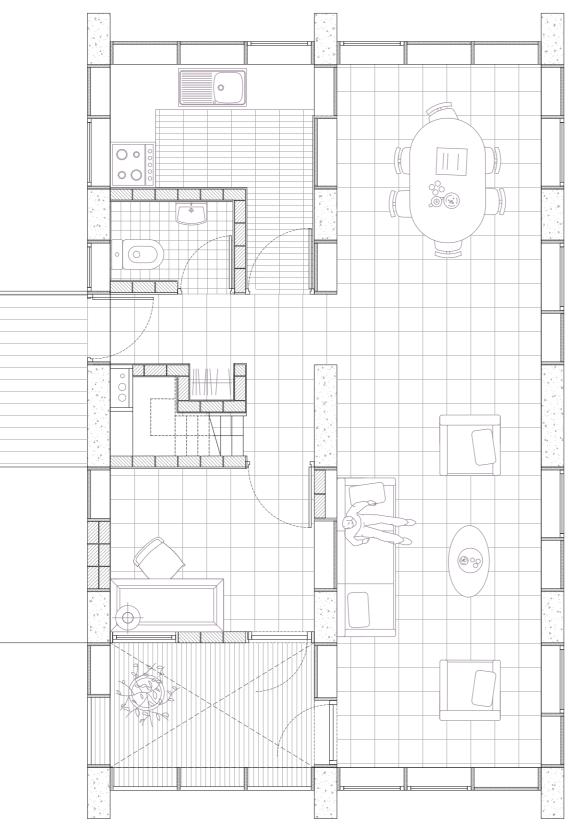




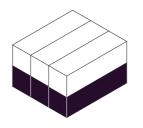


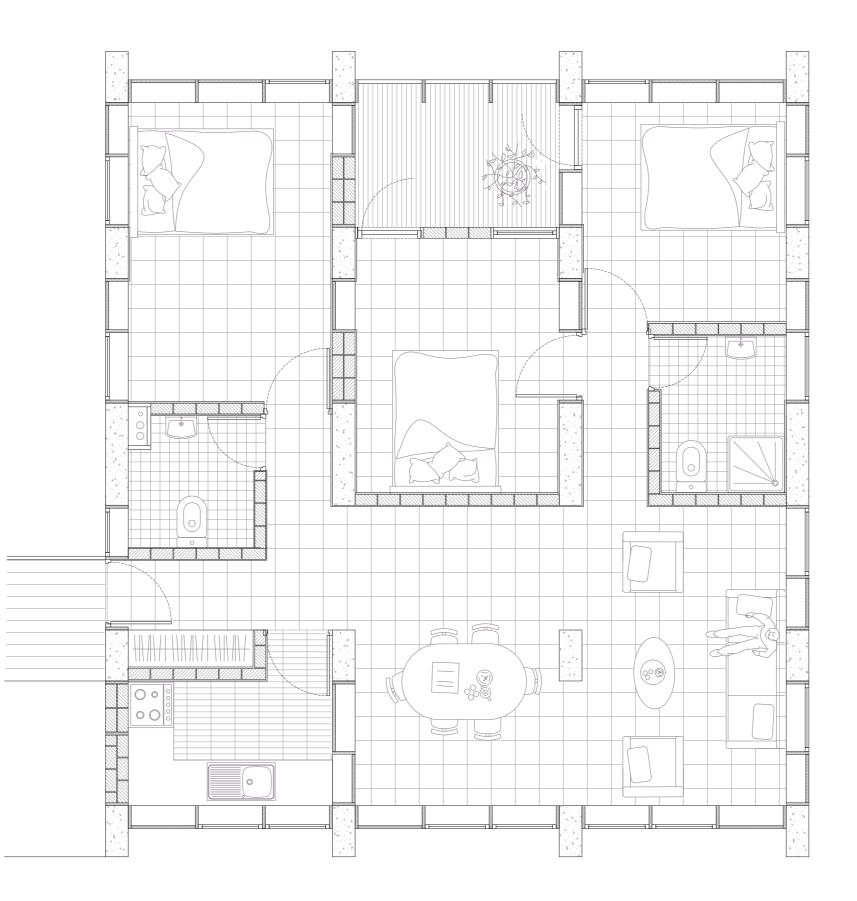
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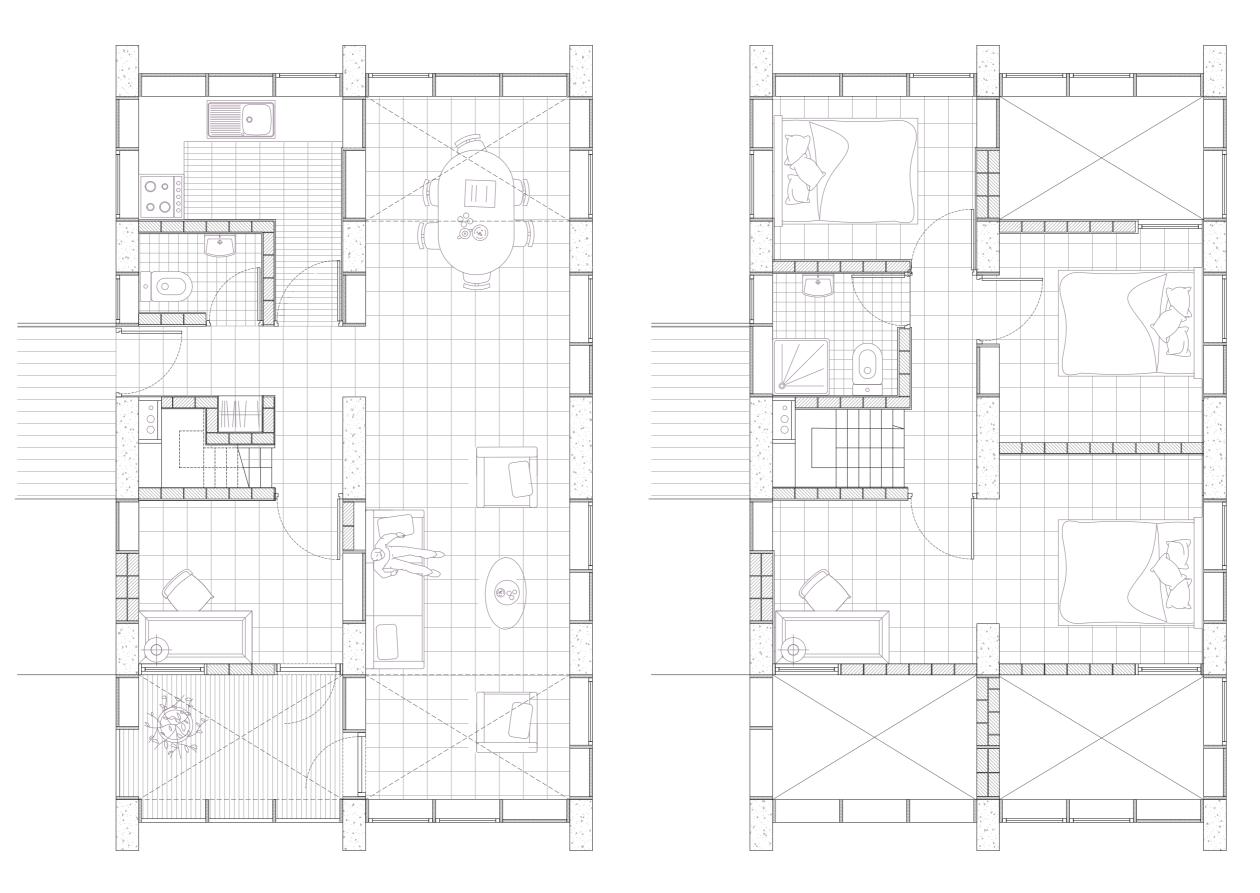






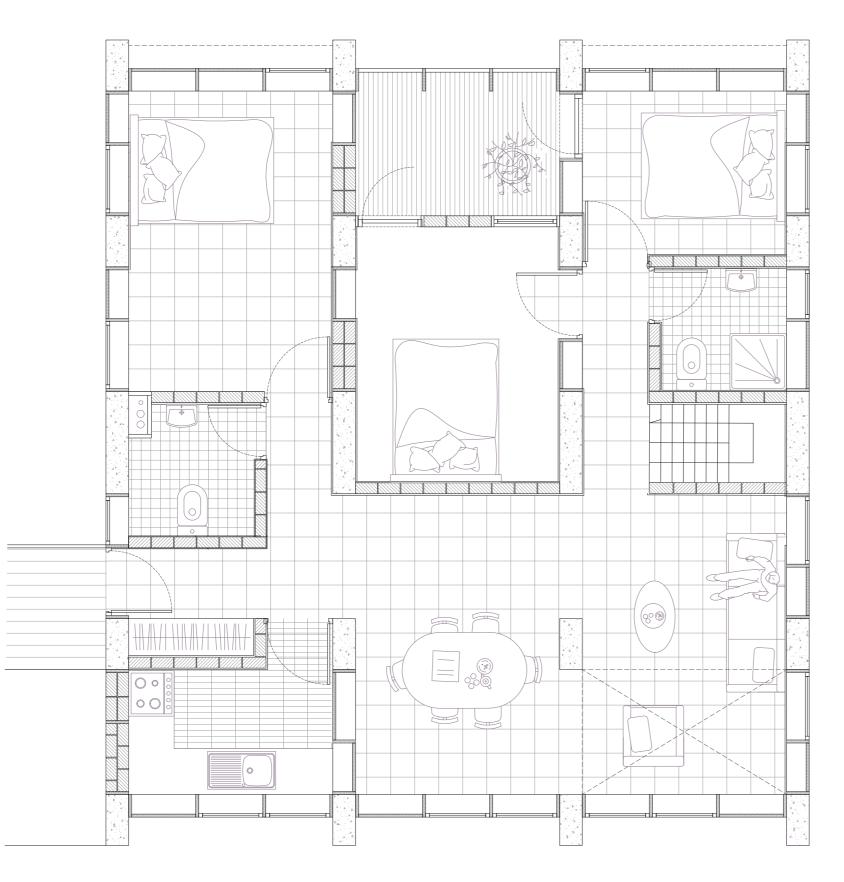


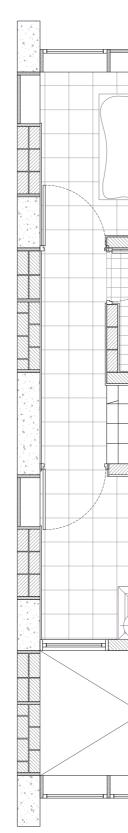


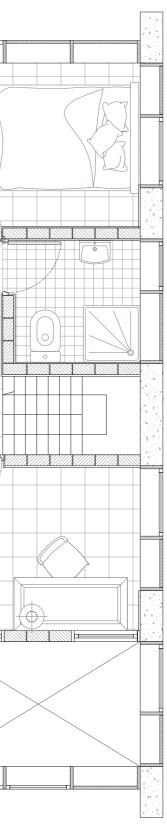






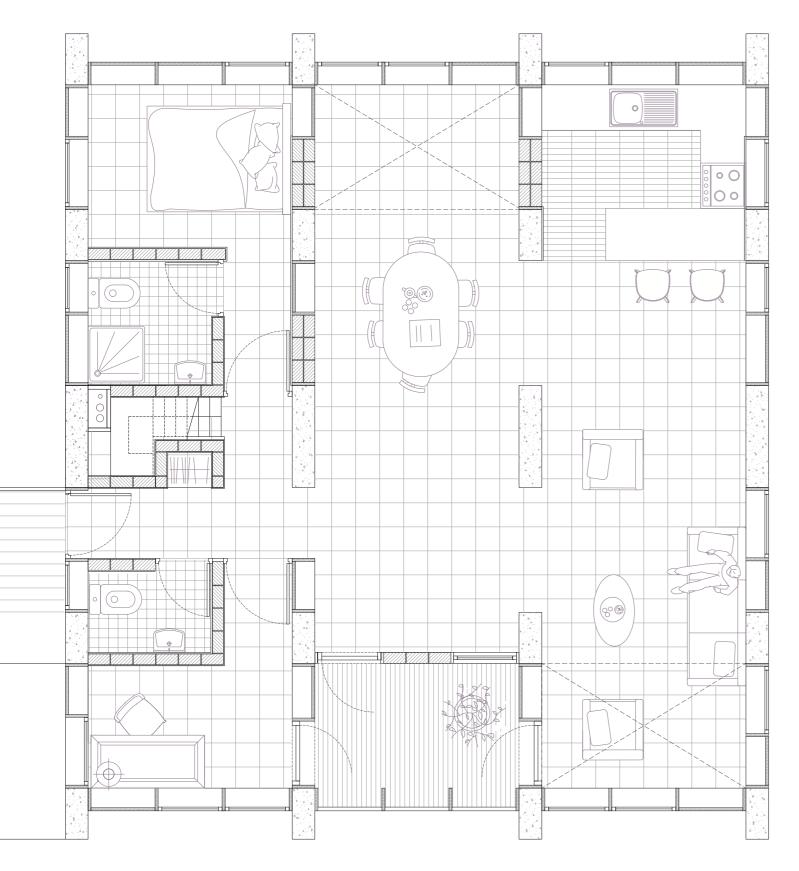


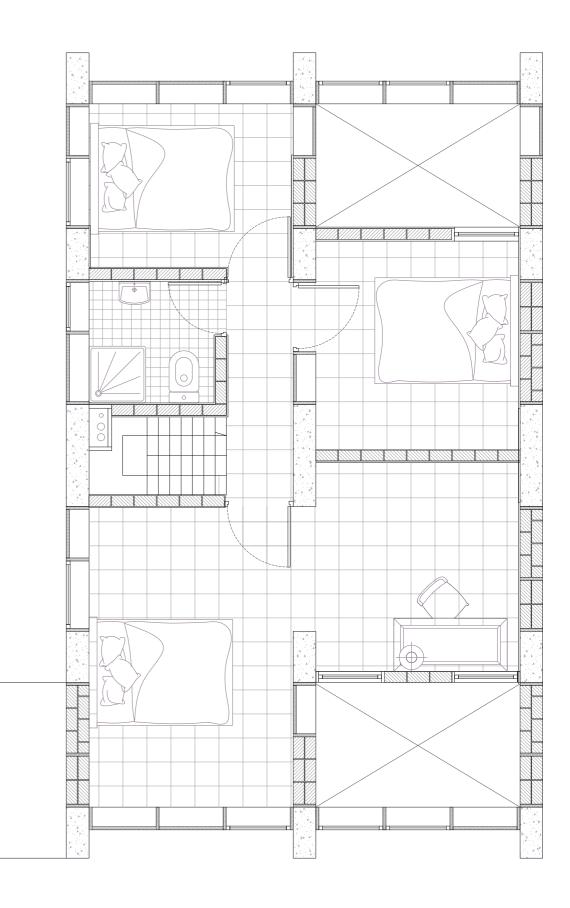






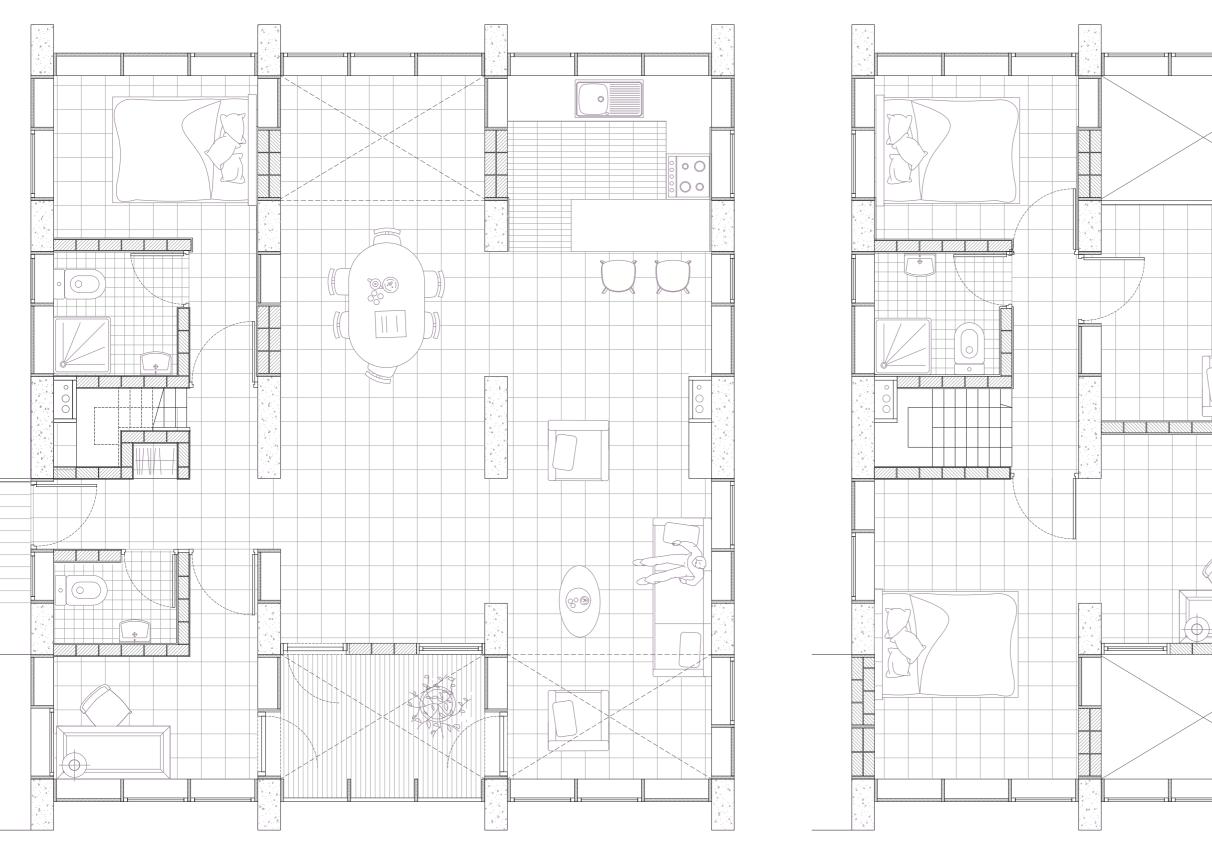


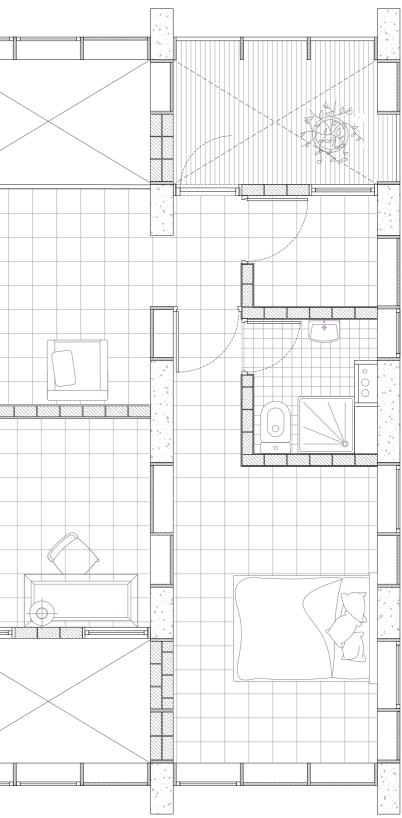




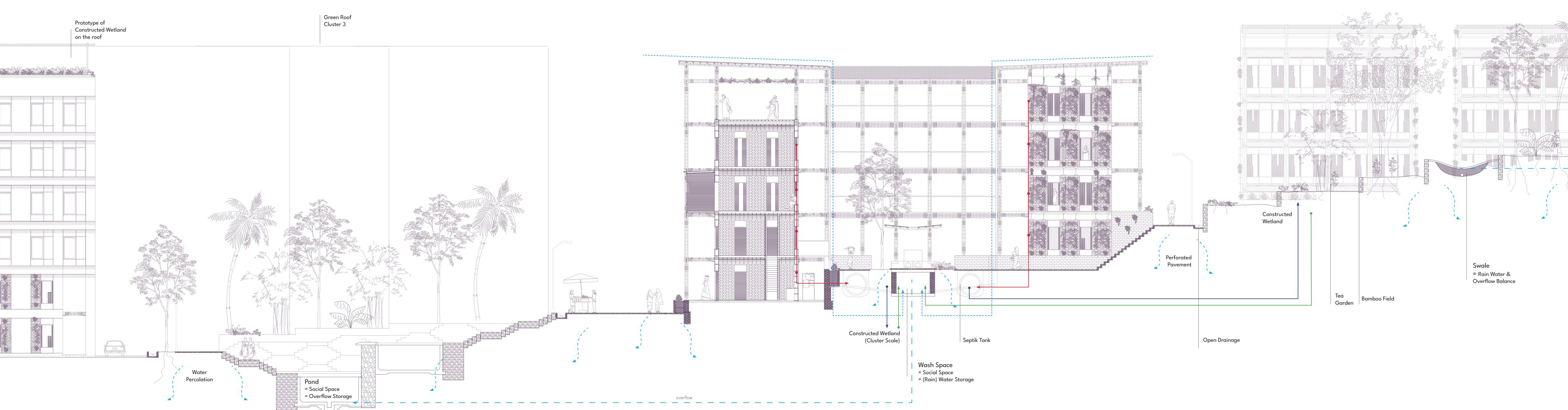
TYPE H/ 160M² scale 1:50







TYPE I/ 192M² scale 1:50



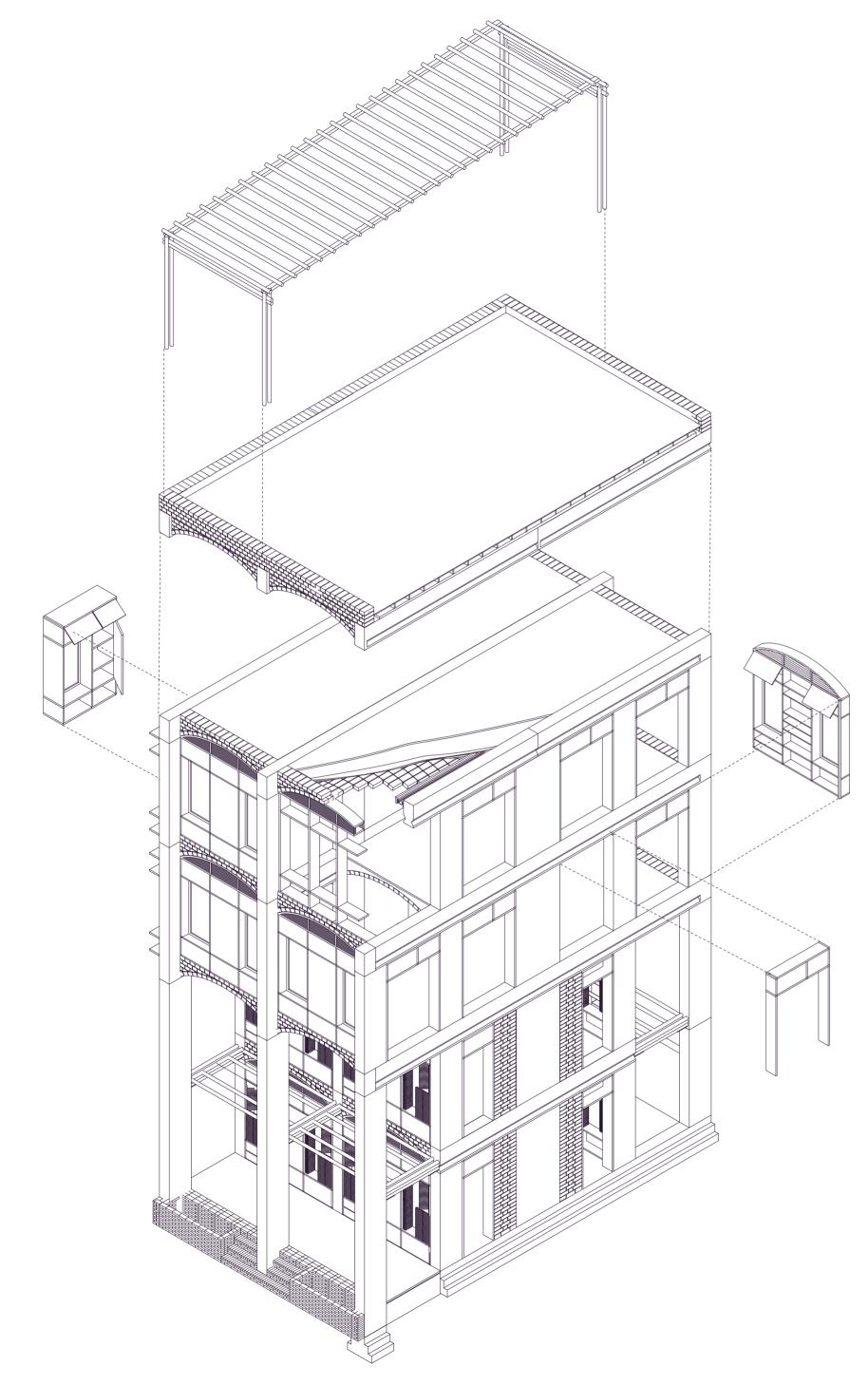


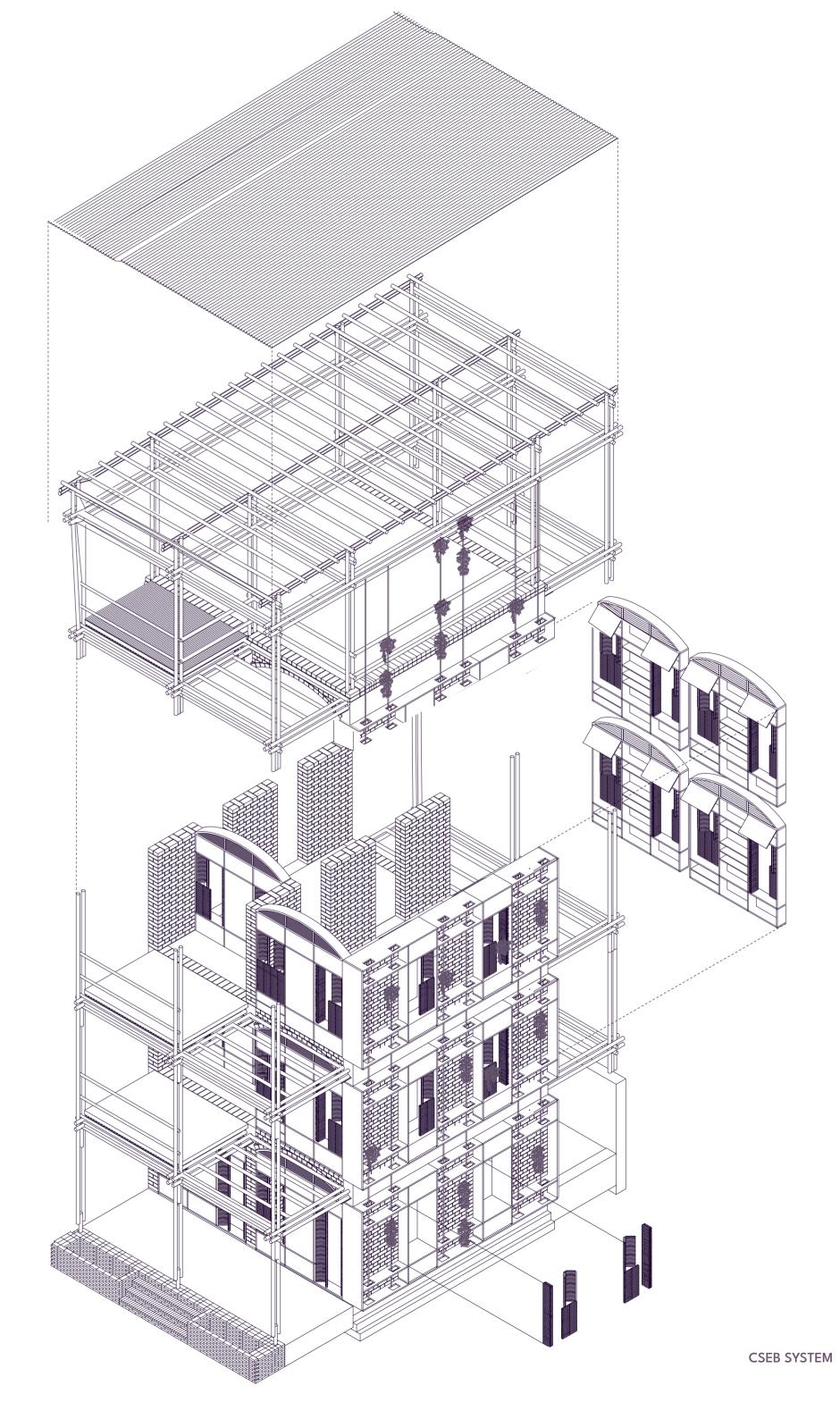
- Income generation
- = Building Materials = Water Management

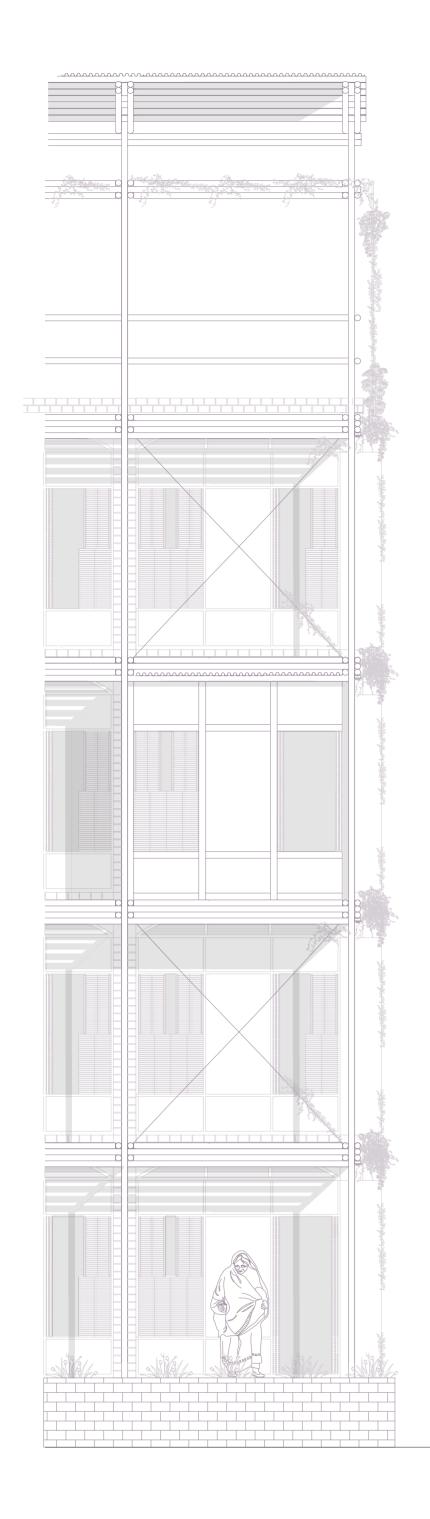
WATER MANAGEMENT scale 1:100

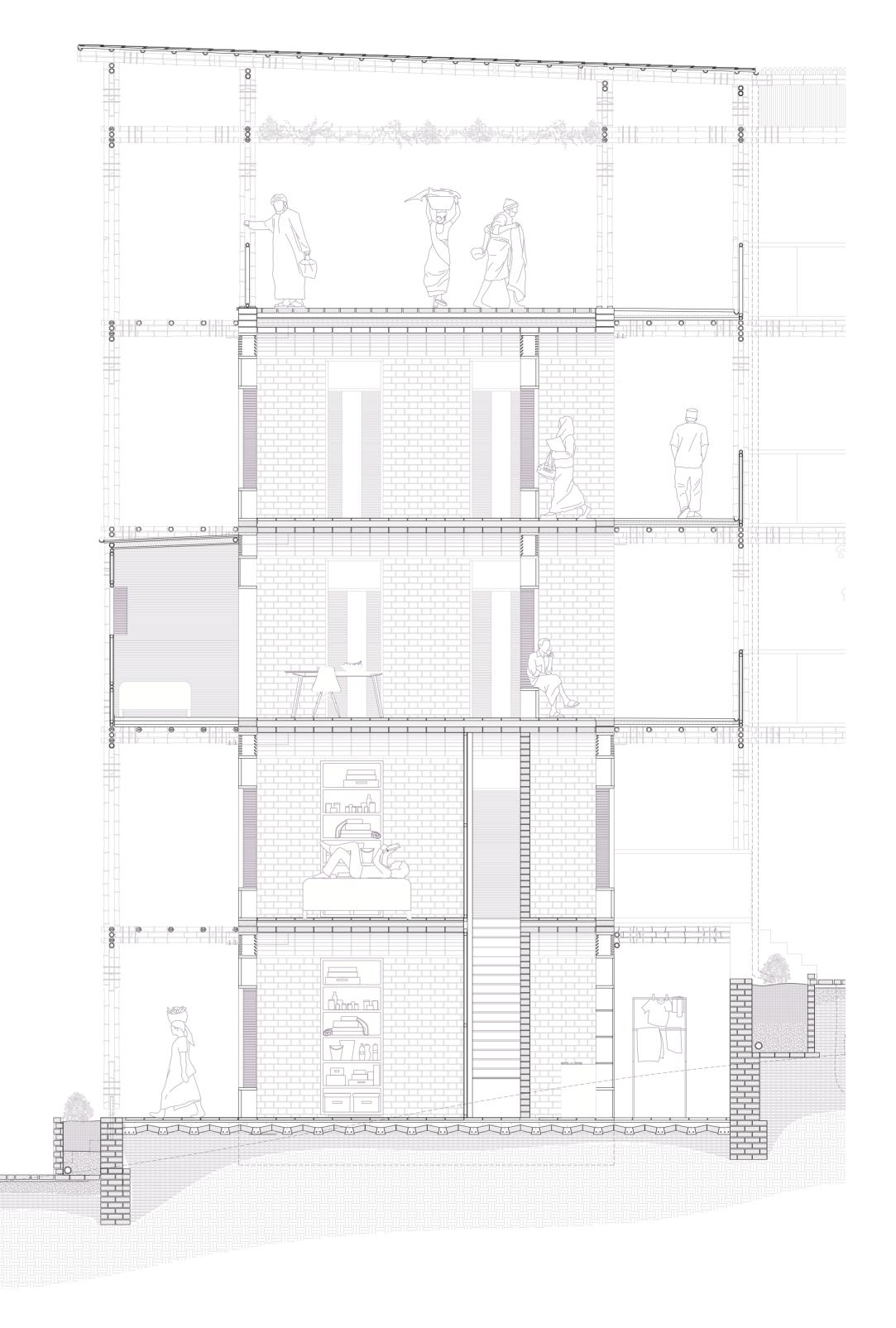
BUILDING TECHNOLOGY DRAWINGS

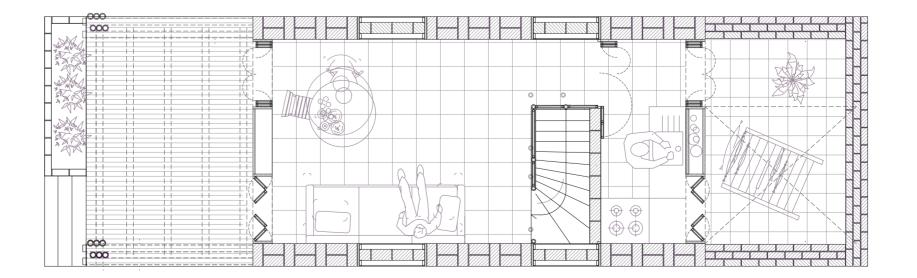
Marion Achach - TU Delft - Global Housing Graduation Studio June 28th, 2024

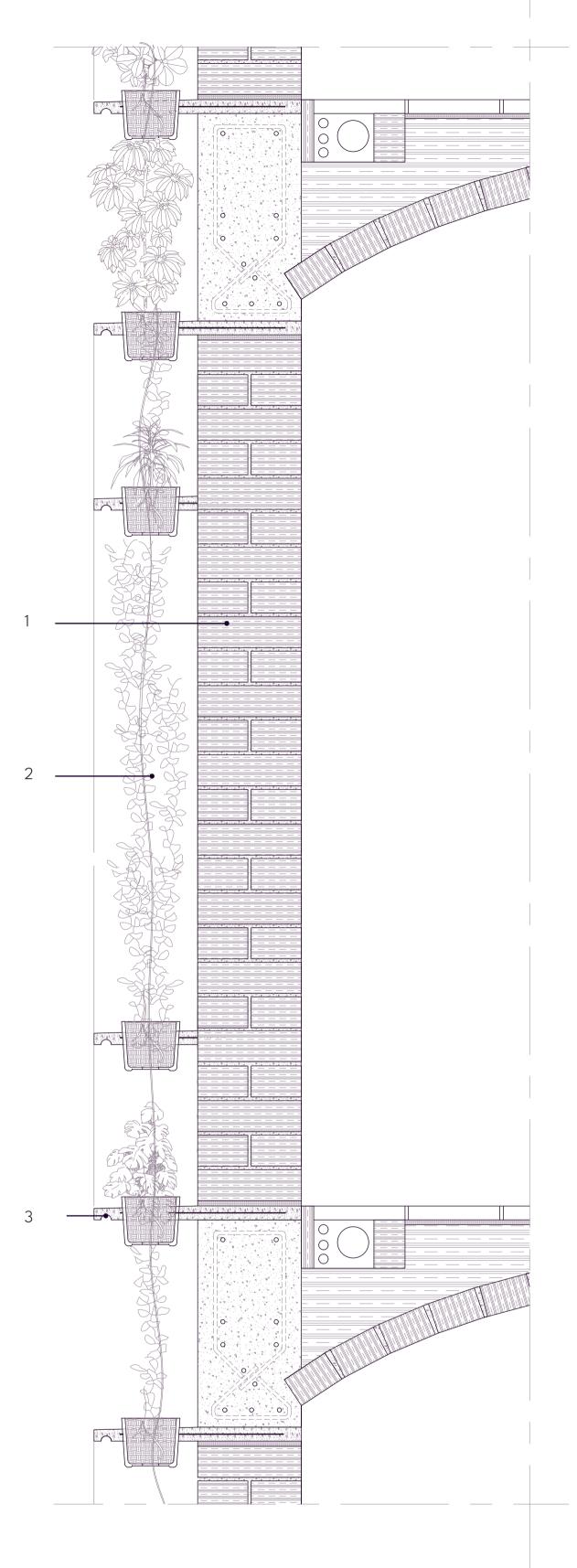




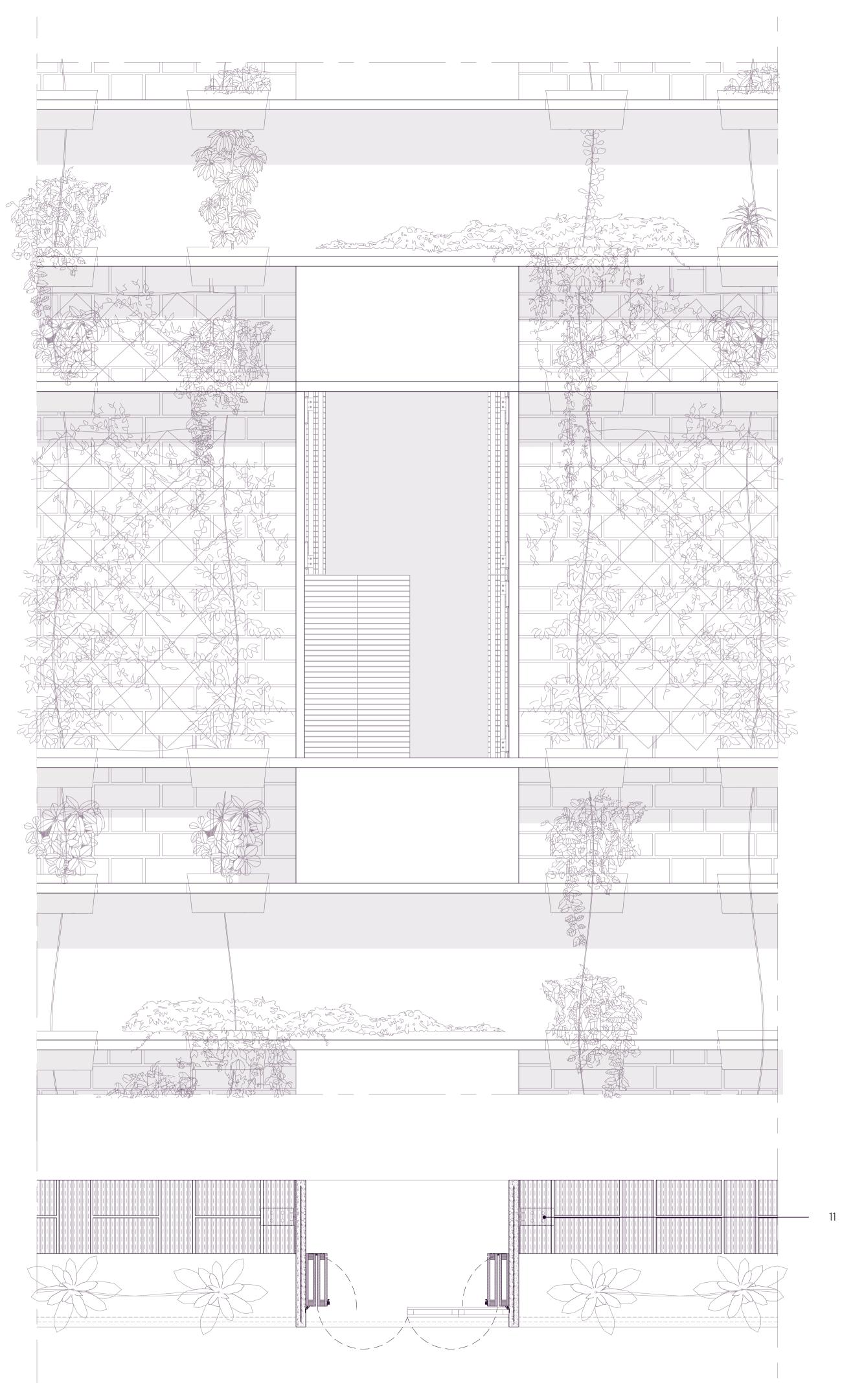




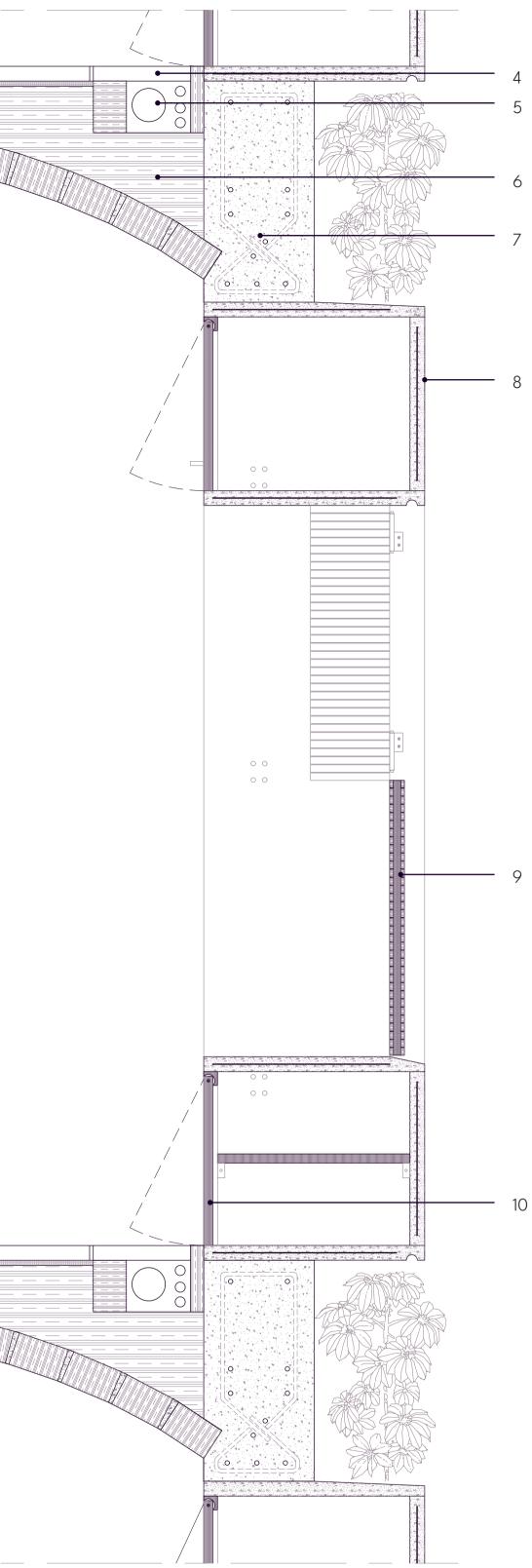




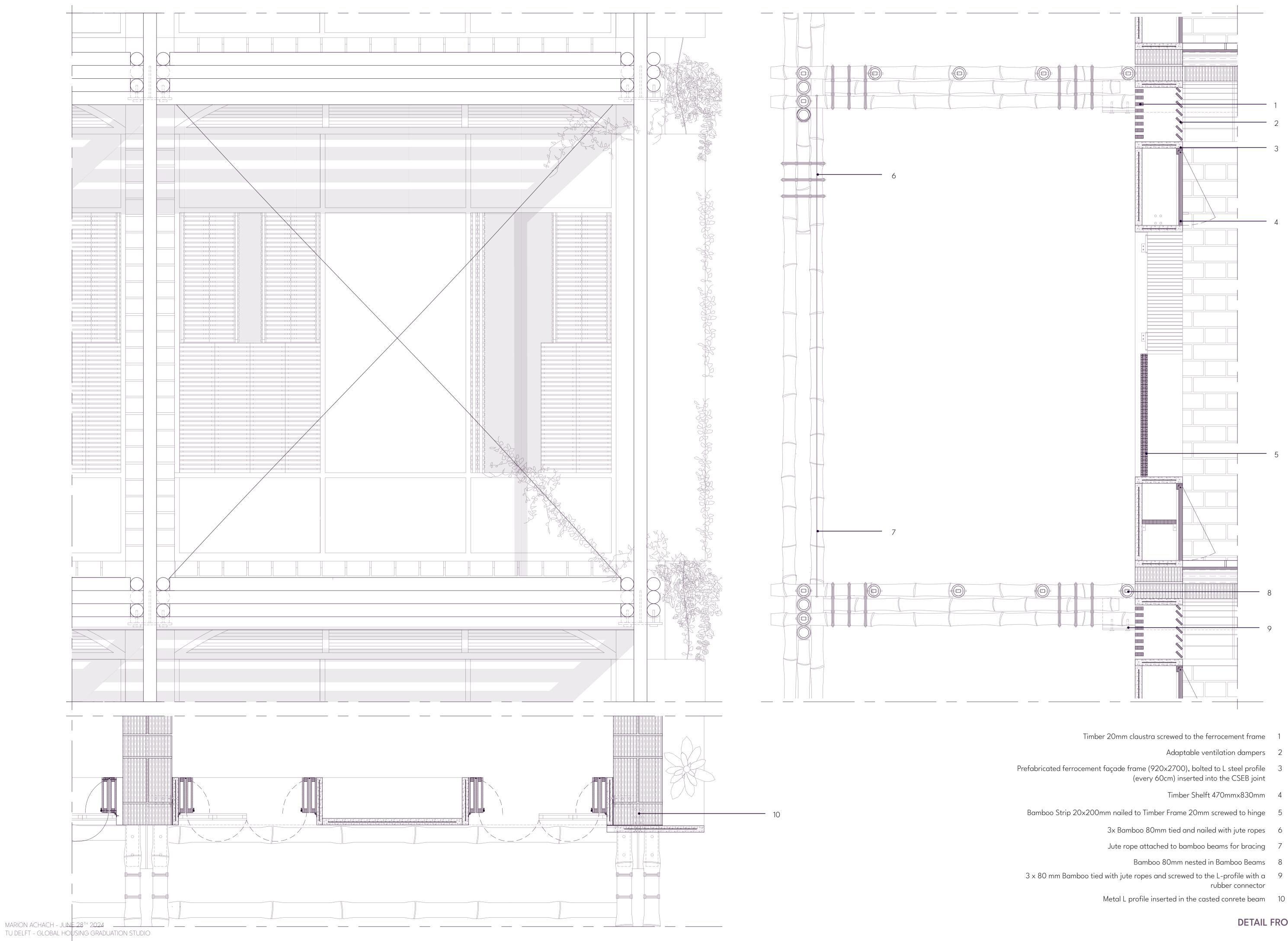
- 1 Compressed Stabilized Earth Block Bounded with the flemish bounding
- Ceramic pots with plants inserted in prefabricated ferrocement frame for rainwater protection at CSEB. Ropes and jute mesh are attached to the system to ensure adequate protection and vegetation growth.
- 3 Hood Mould designed in the prefabricated ferrocement frame

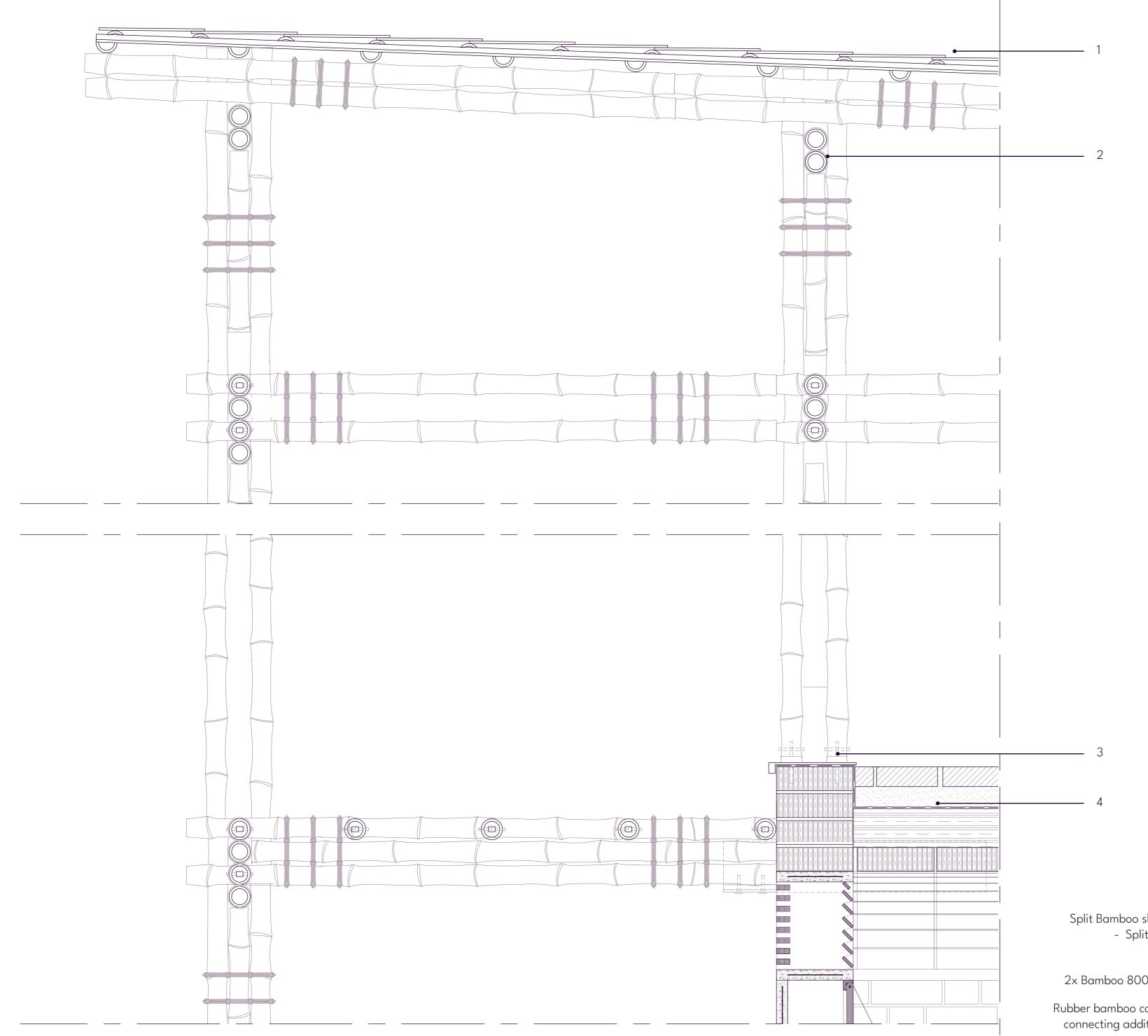


2



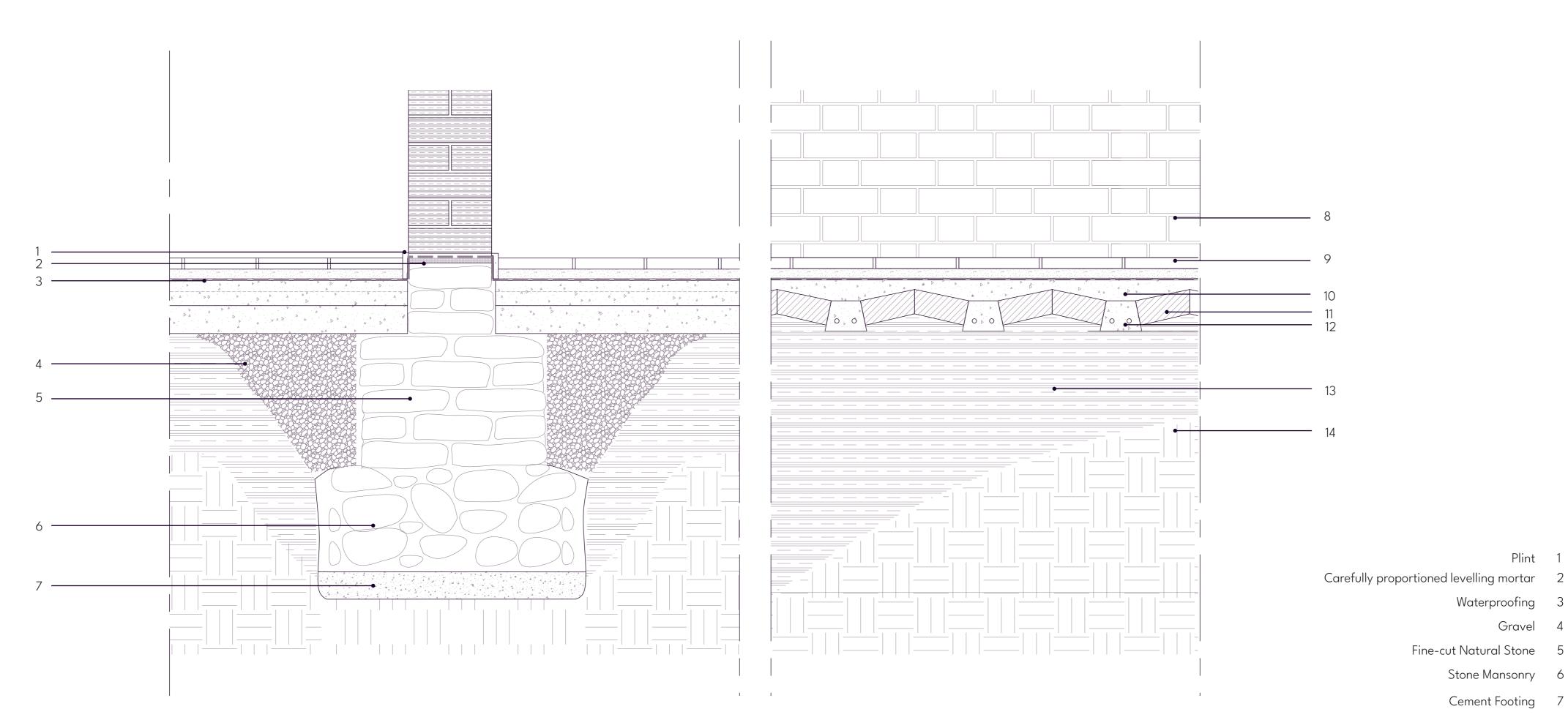
- Ceramic Tiles 300x300x40mm with 20mm Adhesive 4
 - Plint 150mm with technical pipes 5
 - Vault filled with compressed earth 6
- On site casted concrete beam 600mmx6000mm 7
- Prefabricated ferrocement façade frame (920x2700), bolted 8
- to L steel profile (every 60cm) inserted into the CSEB joint Bamboo Strip 20x200mm nailed to Timber Frame 20mm 9 screwed to hinge
 - Timber Shelft 470mmx830mm 10
 - Metal L Profile inserted into CSEB Joint 11





- Split Bamboo shingles Waterproofing Membrane 1 - Split Bamboo Ceiling - Bamboo Rafters
- Bamboo Roof Structure 2 2x Bamboo 800mm tied and nailed with jute ropes
- Rubber bamboo connector screwed to metal plate for 3 connecting additional bamboo columns to reinforce roof stability.
- Vault filled with Compressed Earth Waterpoofing 4 Sand - Fired Bricks

DETAIL ROOF scale 1:10



- Compressed Stabilized Earth Block 300x150x90mm 8 bounded with the flemish bounding
- Ceramics Tiles 300x300mm with 30mm adhesive 9
 - Layer of stabilized soil concrete 10
 - Fired Bricks with Chamfered ends 11
 - Reinforced Concrete Girder 12
 - Tamped Earth 13
 - Soil 14

DETAIL FOUNDATION scale 1:10

MARION ACHACH - JUNE 28TH 2024 TU DELFT - GLOBAL HOUSING GRADUATION STUDIO

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