



بيت بيوت

BAIT BYOOT

Rebuilding Homes, Recreating Memories, and
Renewing Hopes

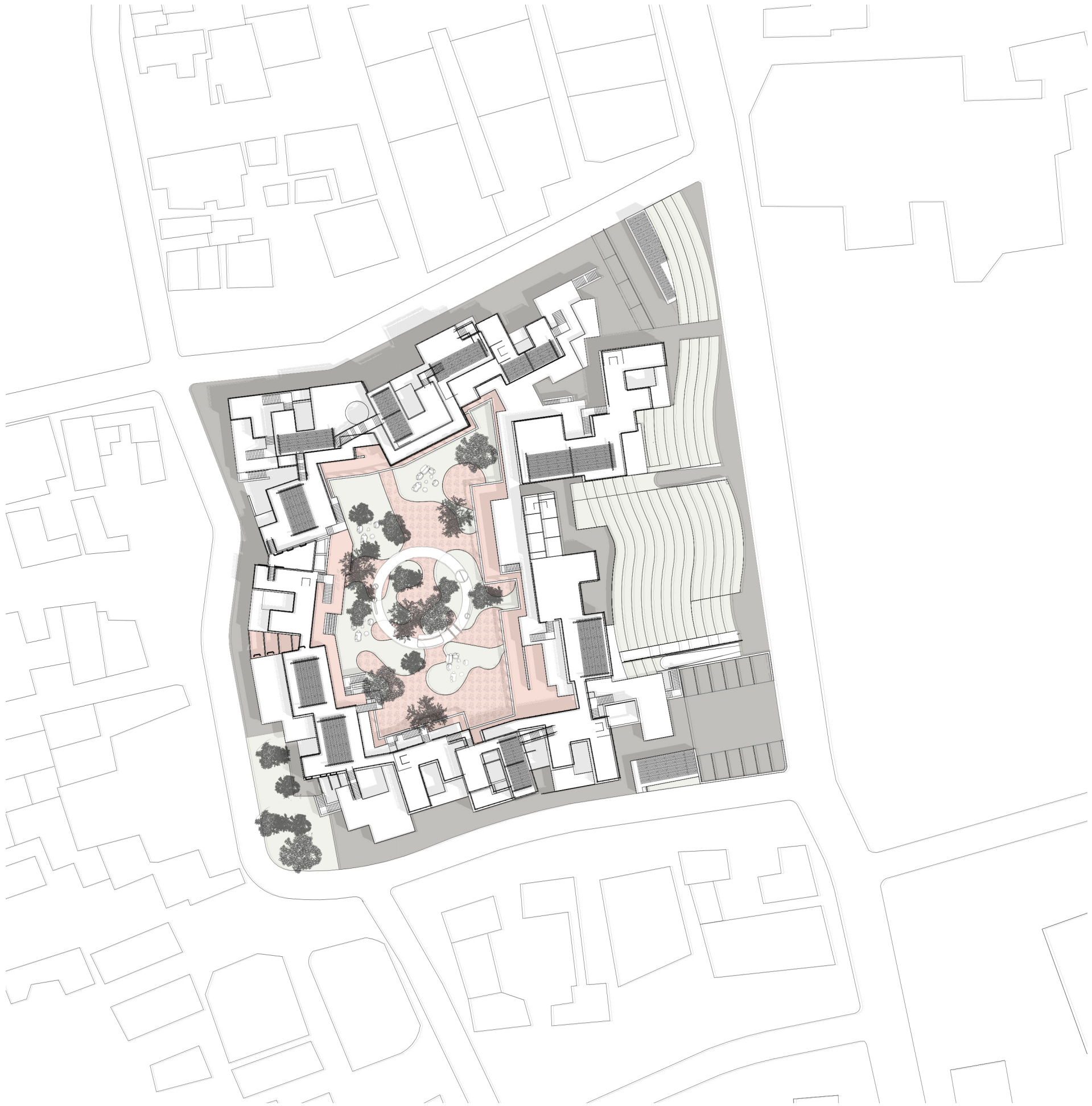
Dana Awad

5720230

Jobar, Damascus



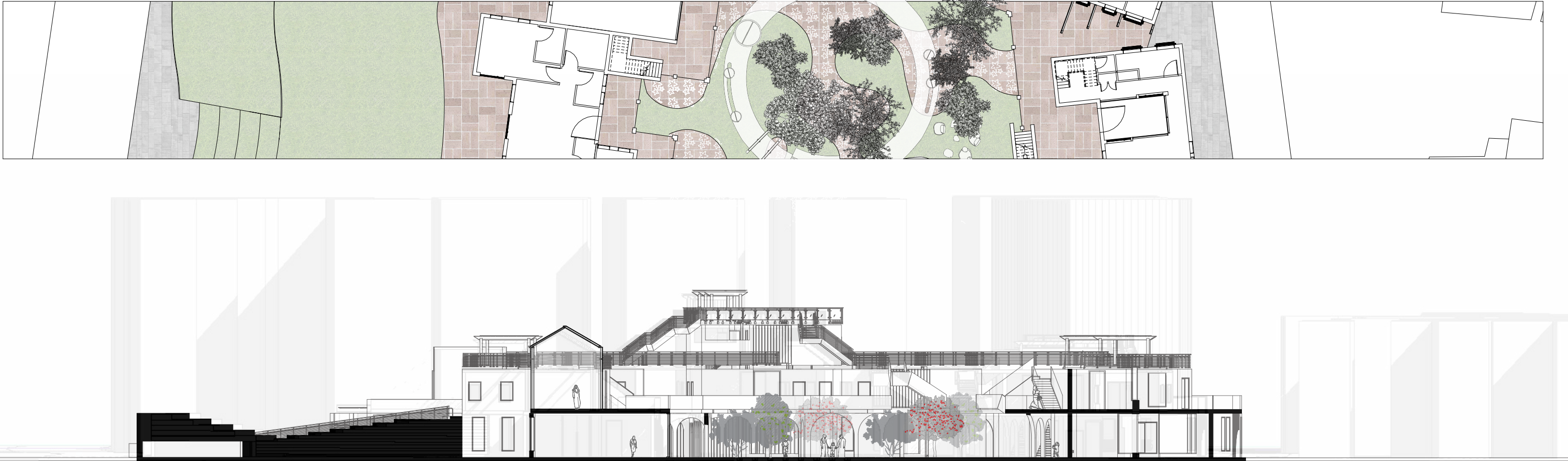
Site Plan



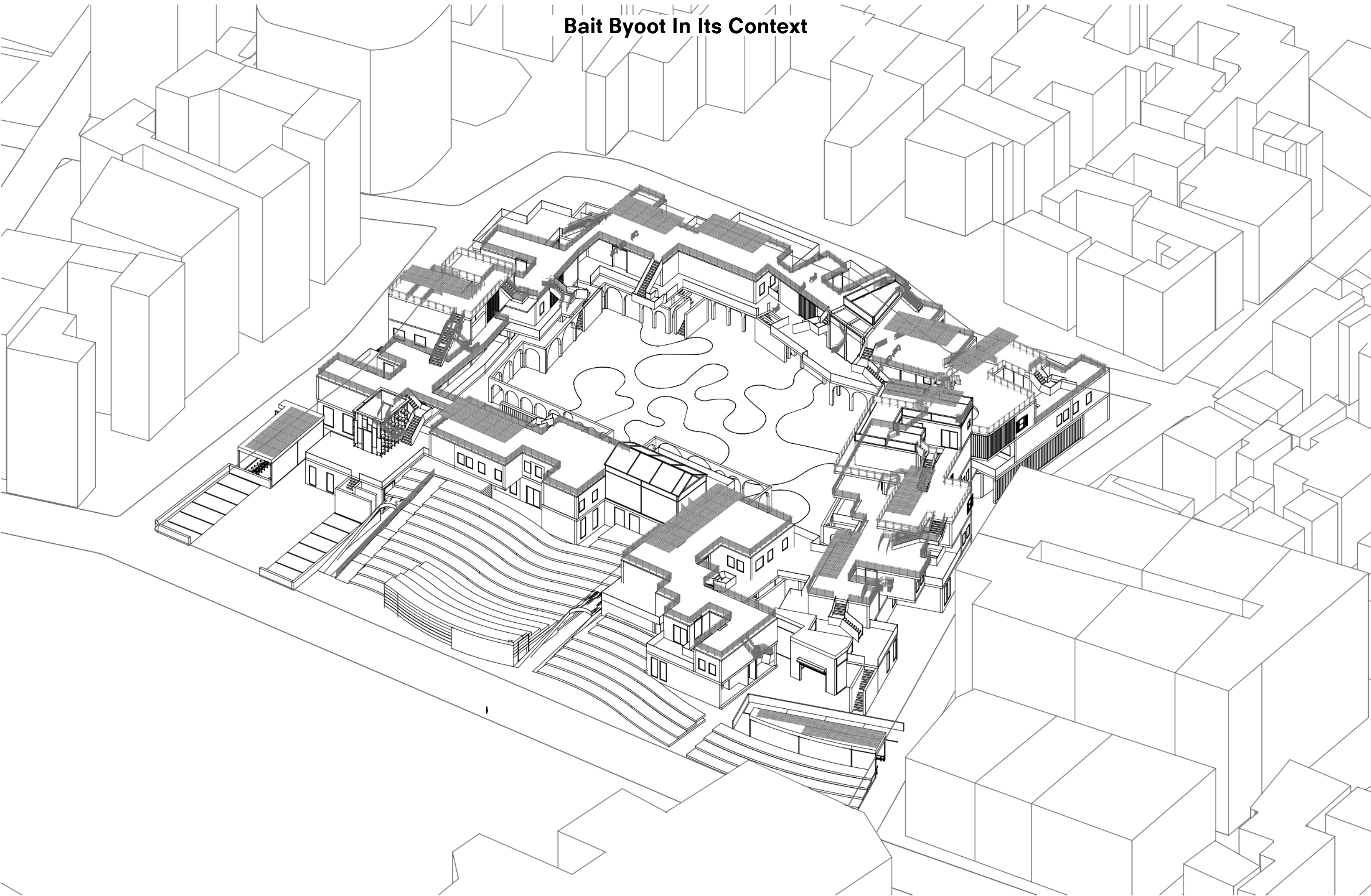
Ground Floor Plan



Urban Section



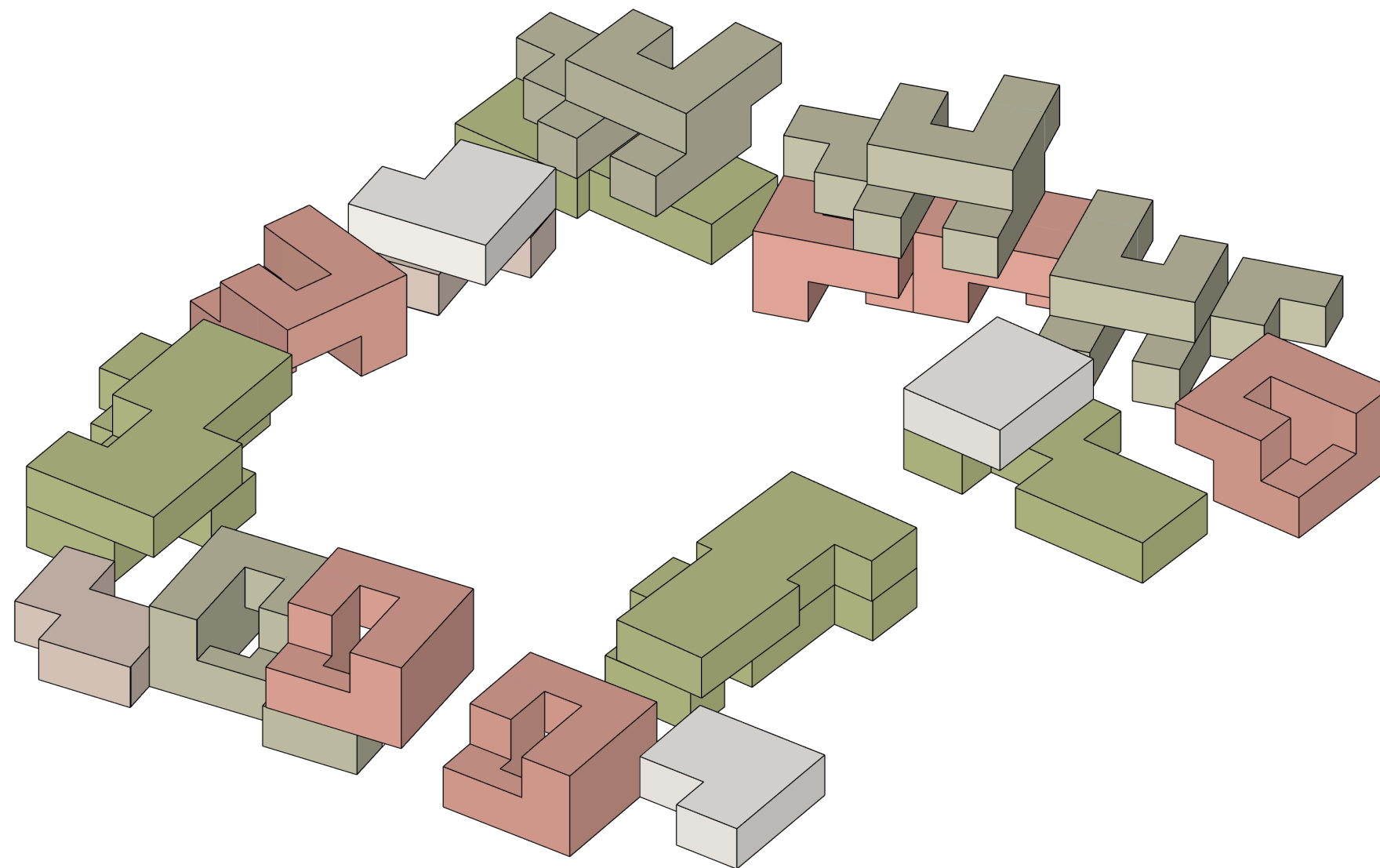
Bait Byoot In Its Context



Alleys



Dwelling Typologies

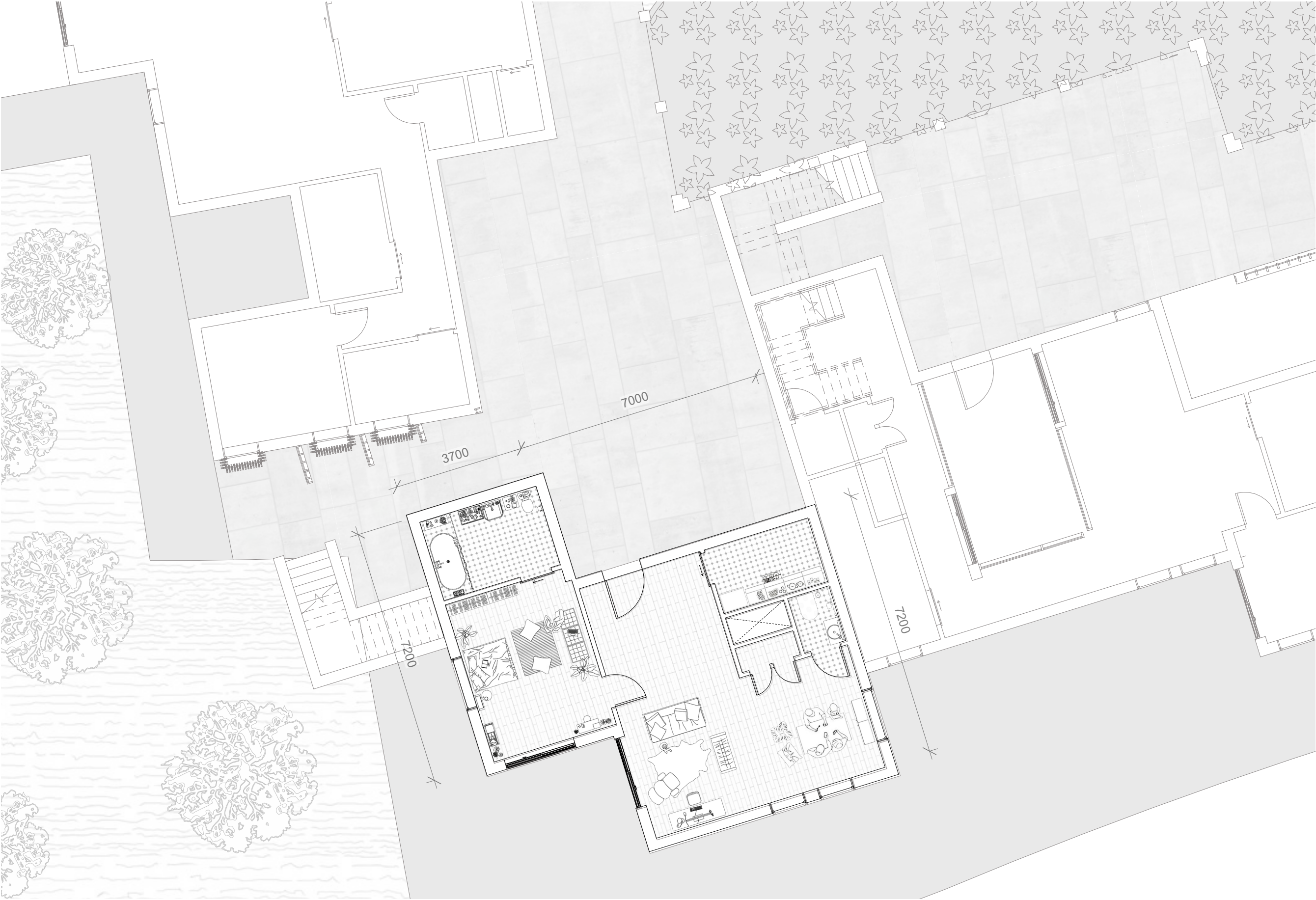


- Start-up dwelling
- Elderly dwelling
- Family dwelling
- Elderly & start-up dwelling
- Elderly/ start-up & family dwelling

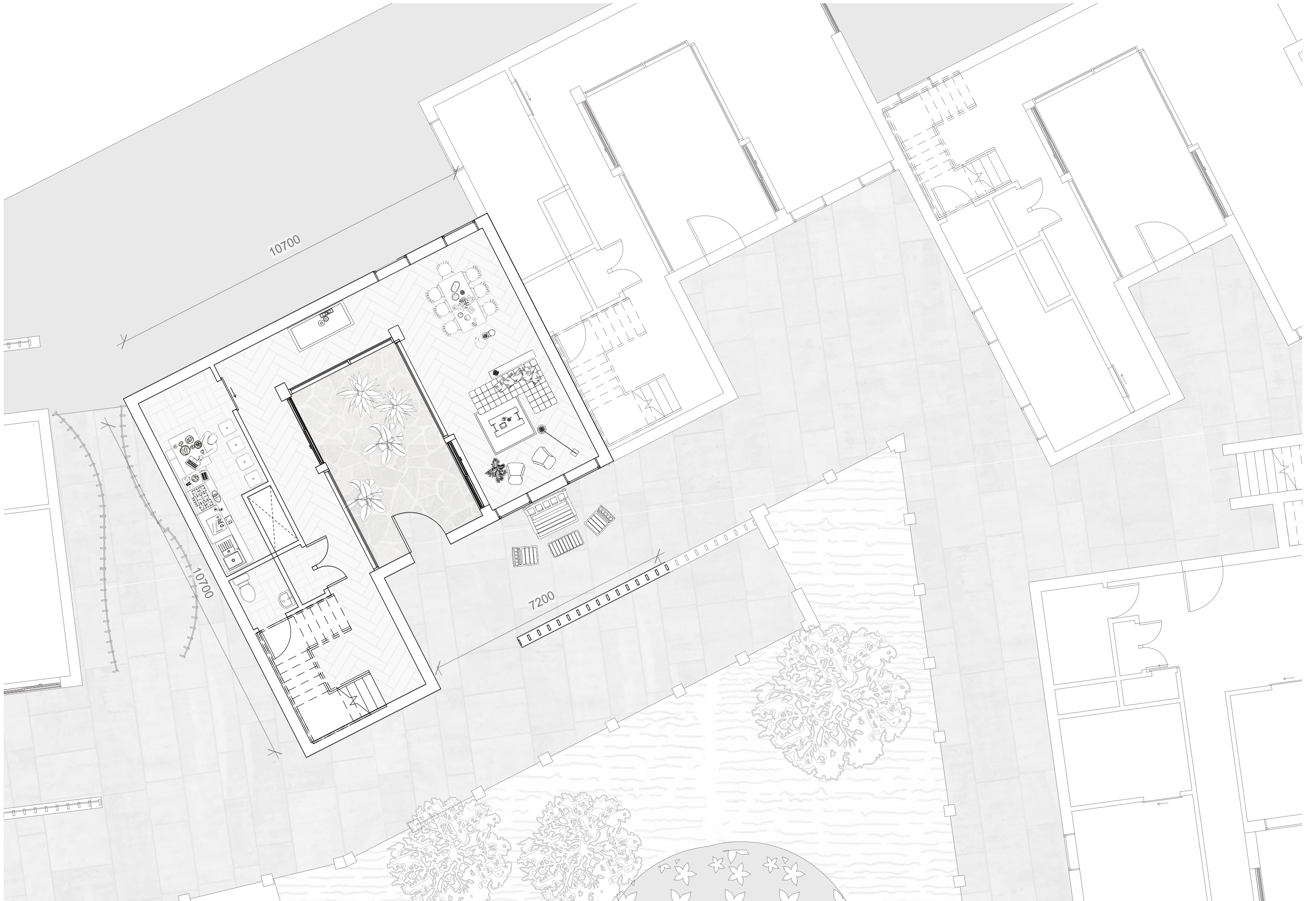
Elderly Dwelling



Start Up Dwelling



Family Dwelling



Family Dwelling



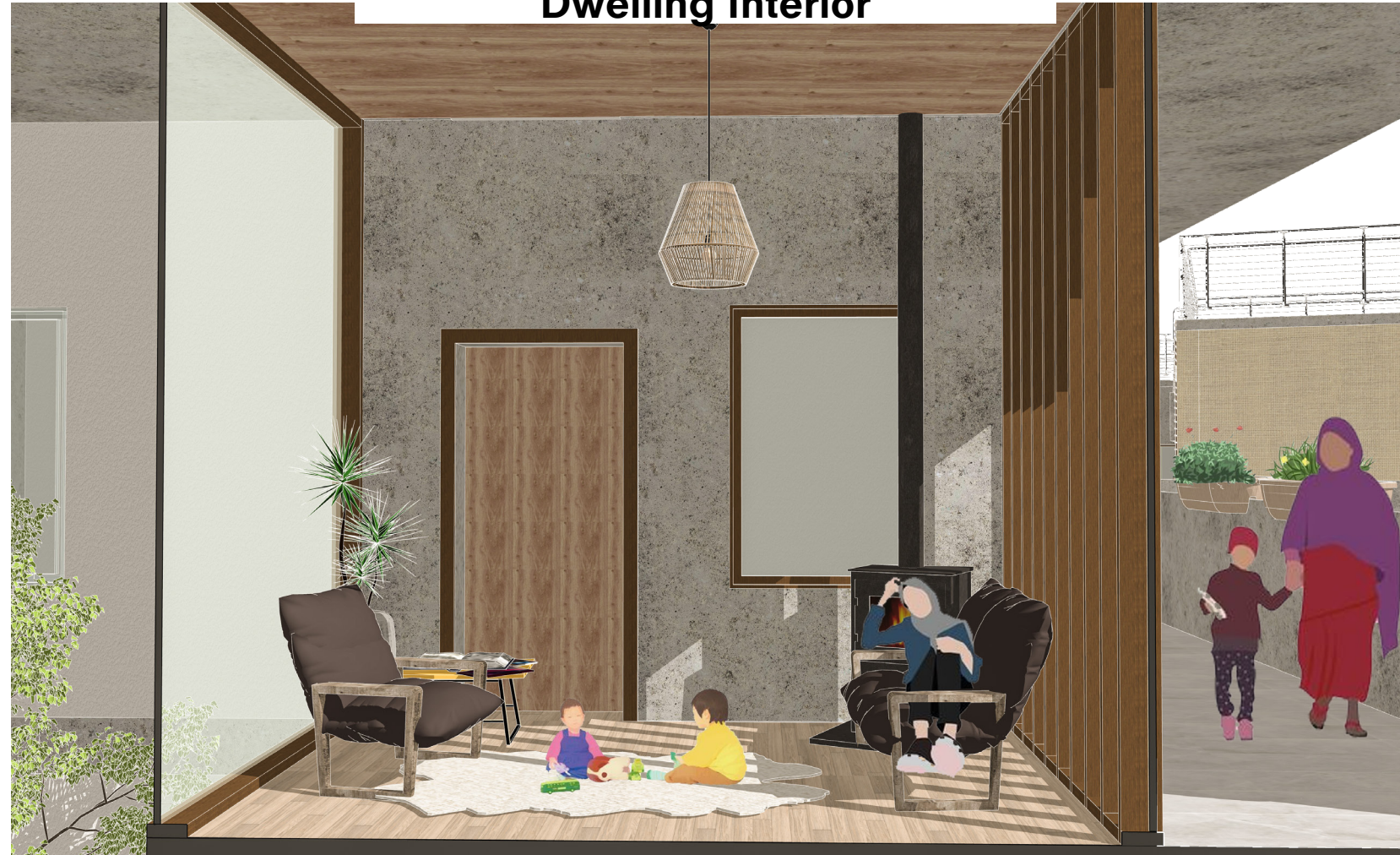
Start Up & Elderly Dwelling



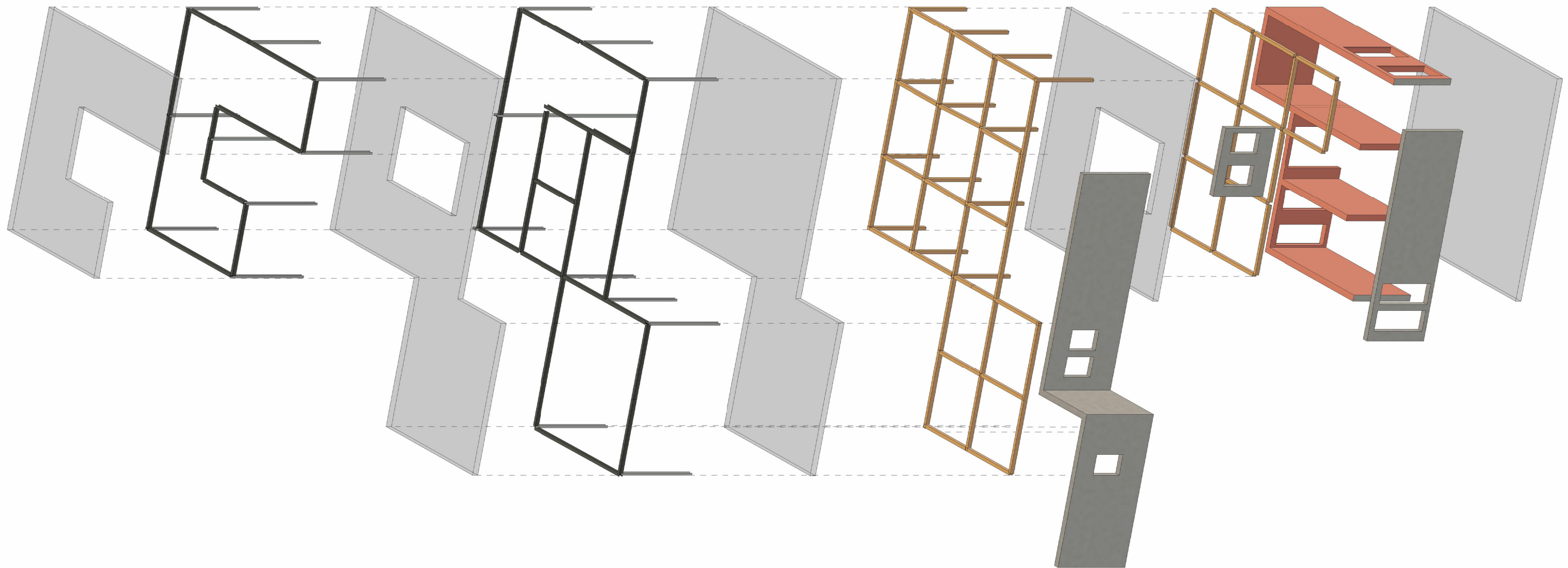
Extended Family Dwelling



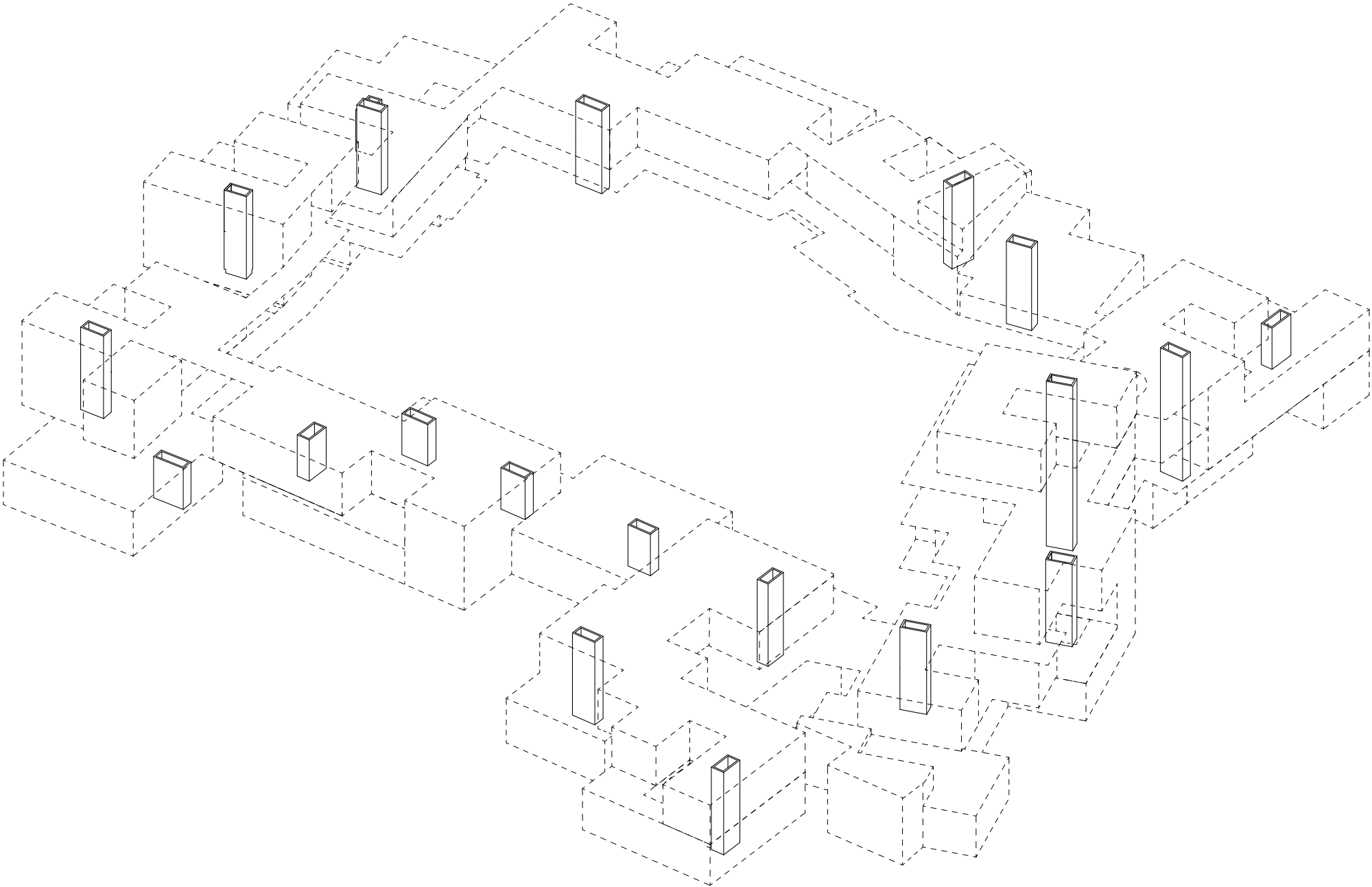
Dwelling Interior



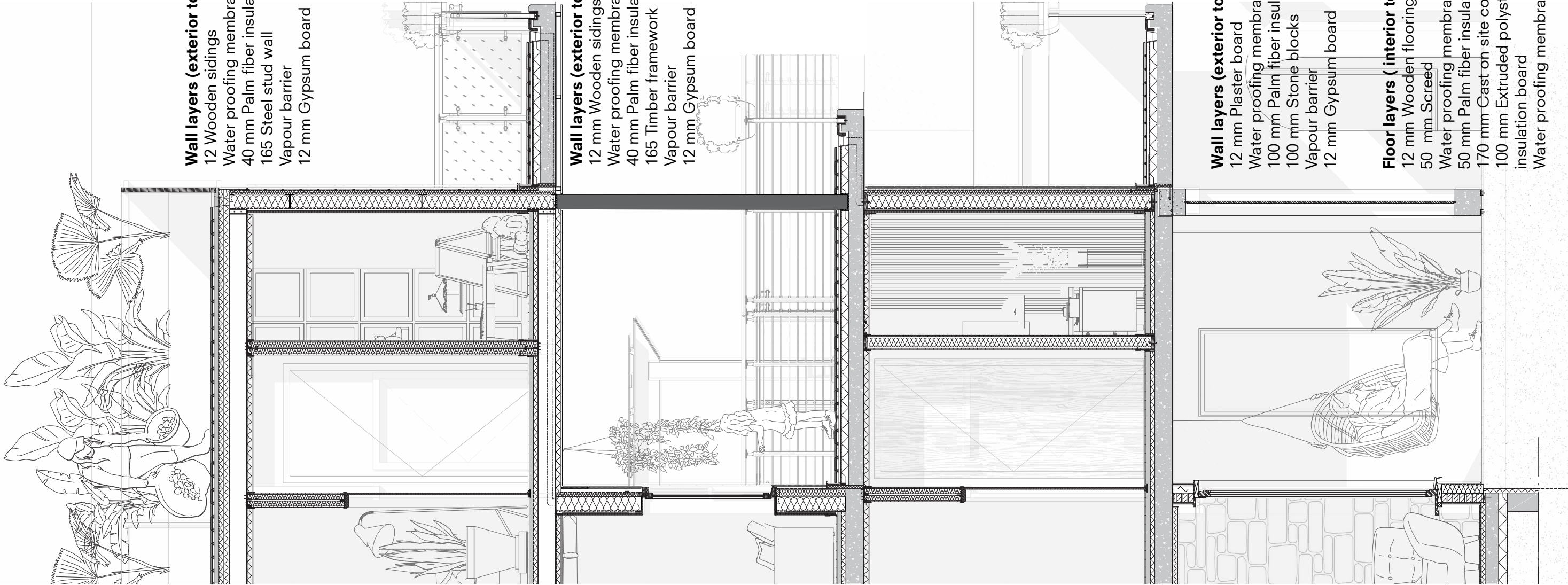
Structural Model



Shafts



View From Communal Square



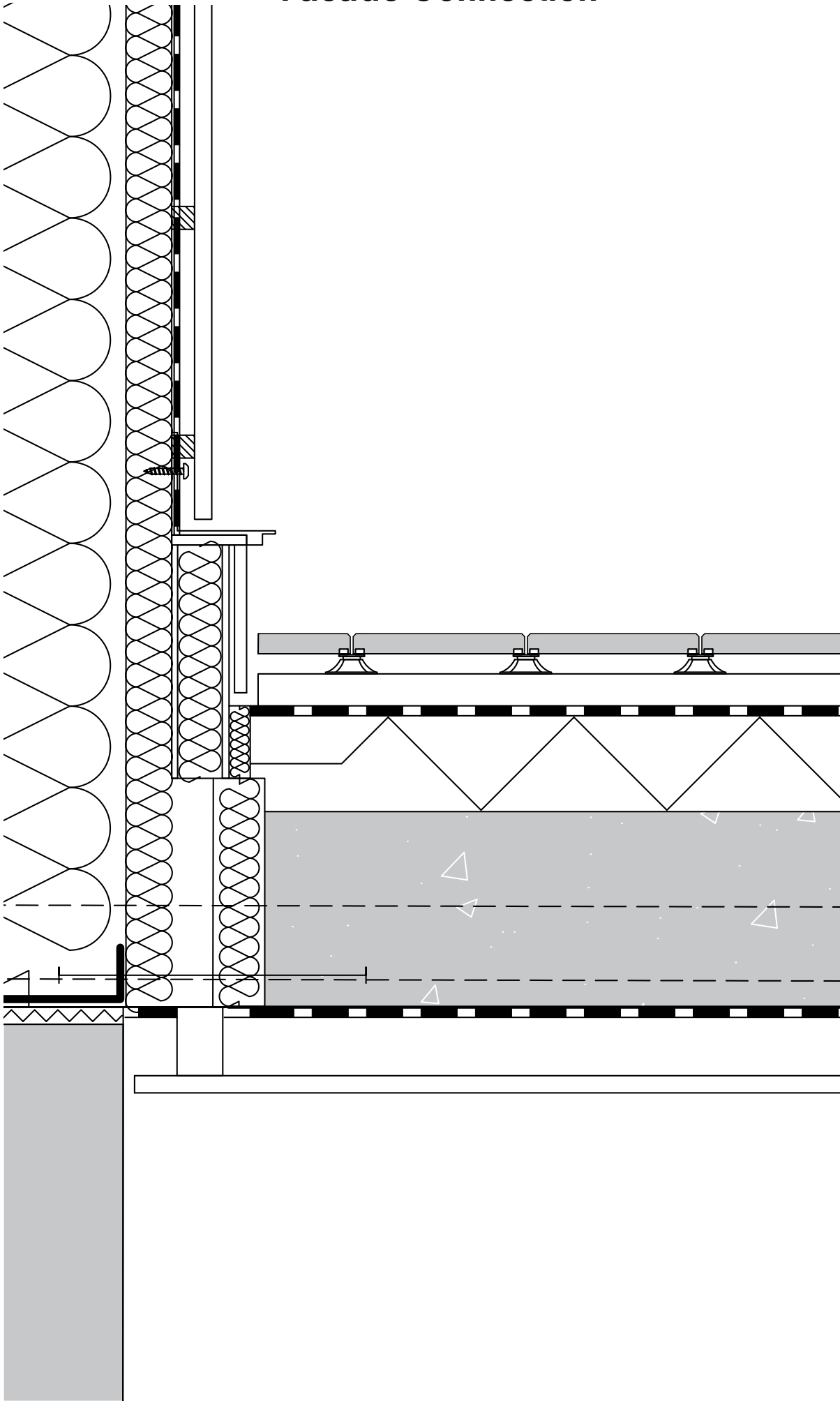
Wall layers (exterior to interior):
12 mm Wooden sidings
Water proofing membrane
40 mm Palm fiber insulation board
165 Steel stud wall
Vapour barrier
12 mm Gypsum board

Wall layers (exterior to interior):
12 mm Wooden sidings
Water proofing membrane
40 mm Palm fiber insulation board
165 Timber framework
Vapour barrier
12 mm Gypsum board

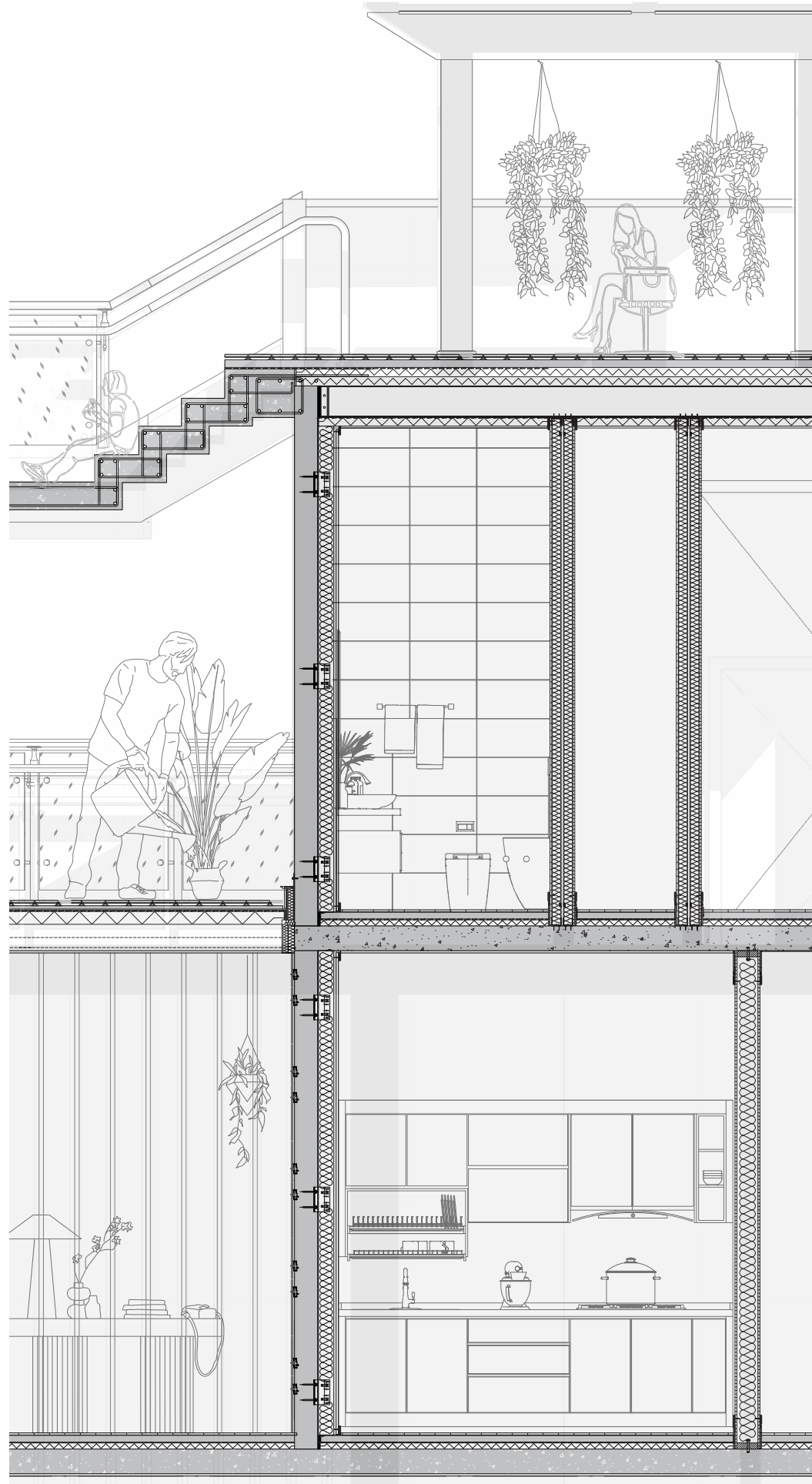
Wall layers (exterior to interior):
12 mm Plaster board
Water proofing membrane
100 mm Palm fiber insulation board
100 mm Stone blocks
Vapour barrier
12 mm Gypsum board

Floor layers (interior to exterior):
12 mm Wooden flooring
50 mm Screed
Water proofing membrane
50 mm Palm fiber insulation board
170 mm Cast on site concrete slab
100 mm Extruded polystyrene insulation board
Water proofing membrane

Facade Connection

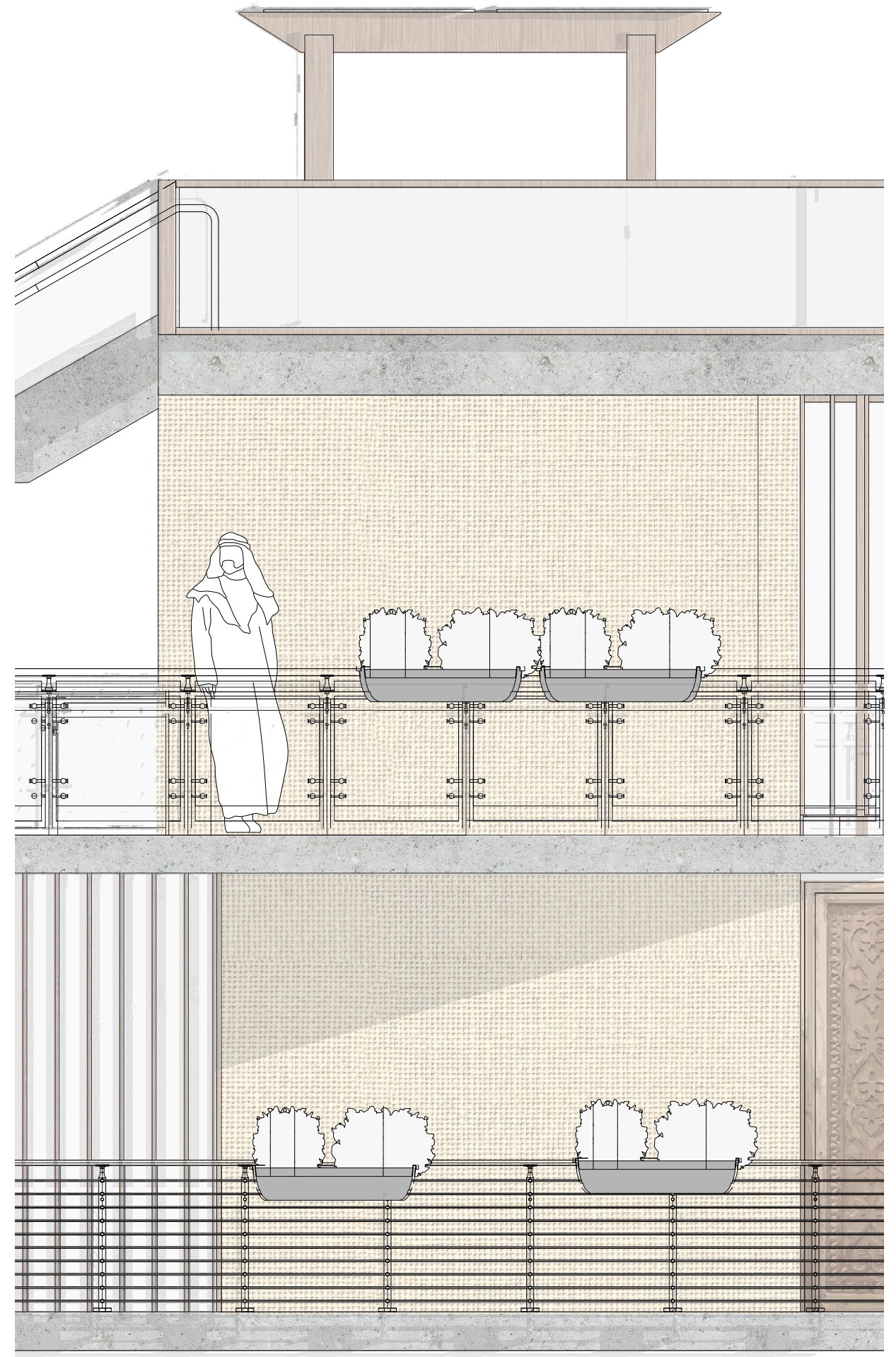


View From Communal Square To Building Terrace

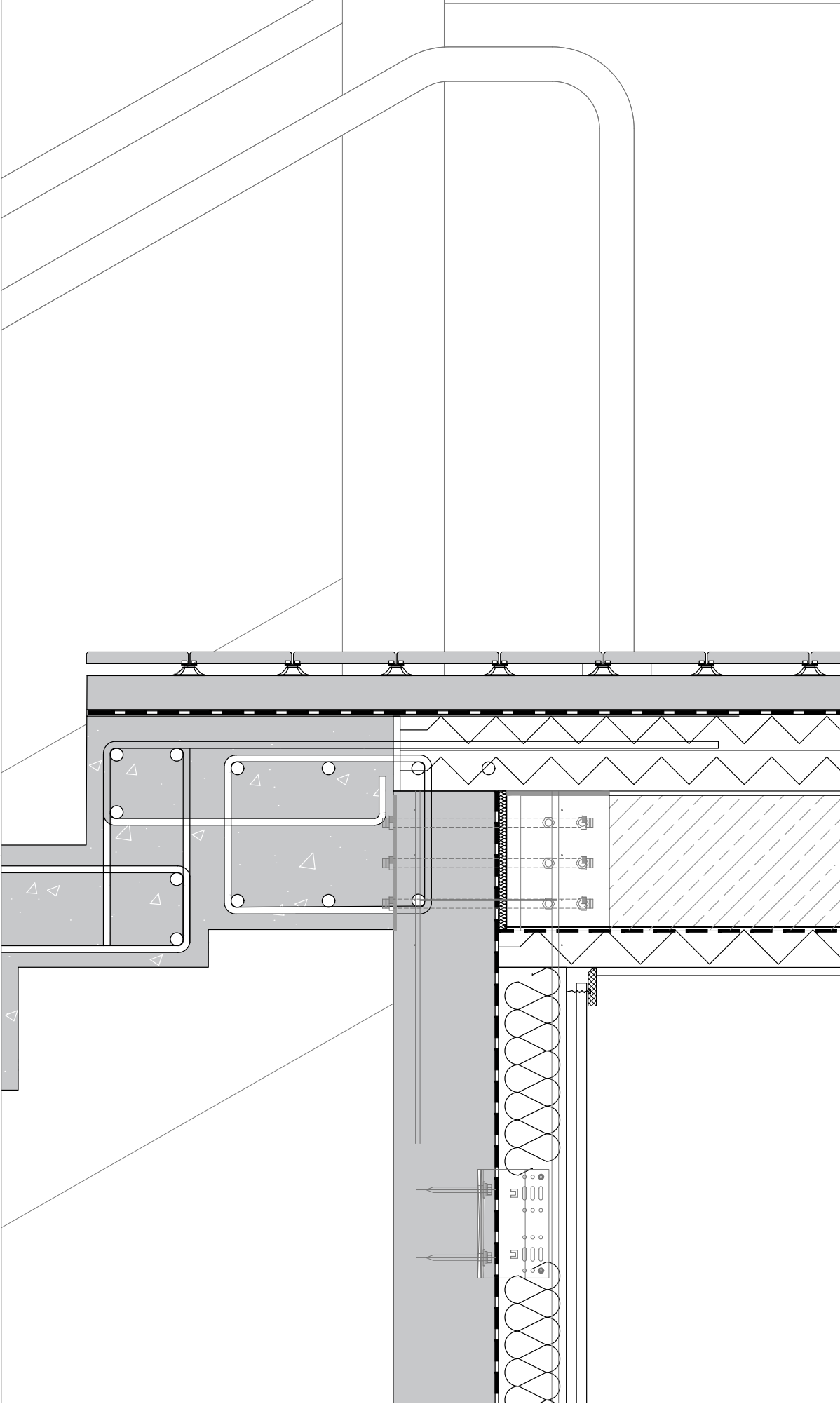


Wall layers (exterior to interior):
 15 mm Steel sheets
 150 mm Cast on site concrete column
 Water proofing membrane
 100 mm Palm fiber insulation board
 12 mm Gypsum board

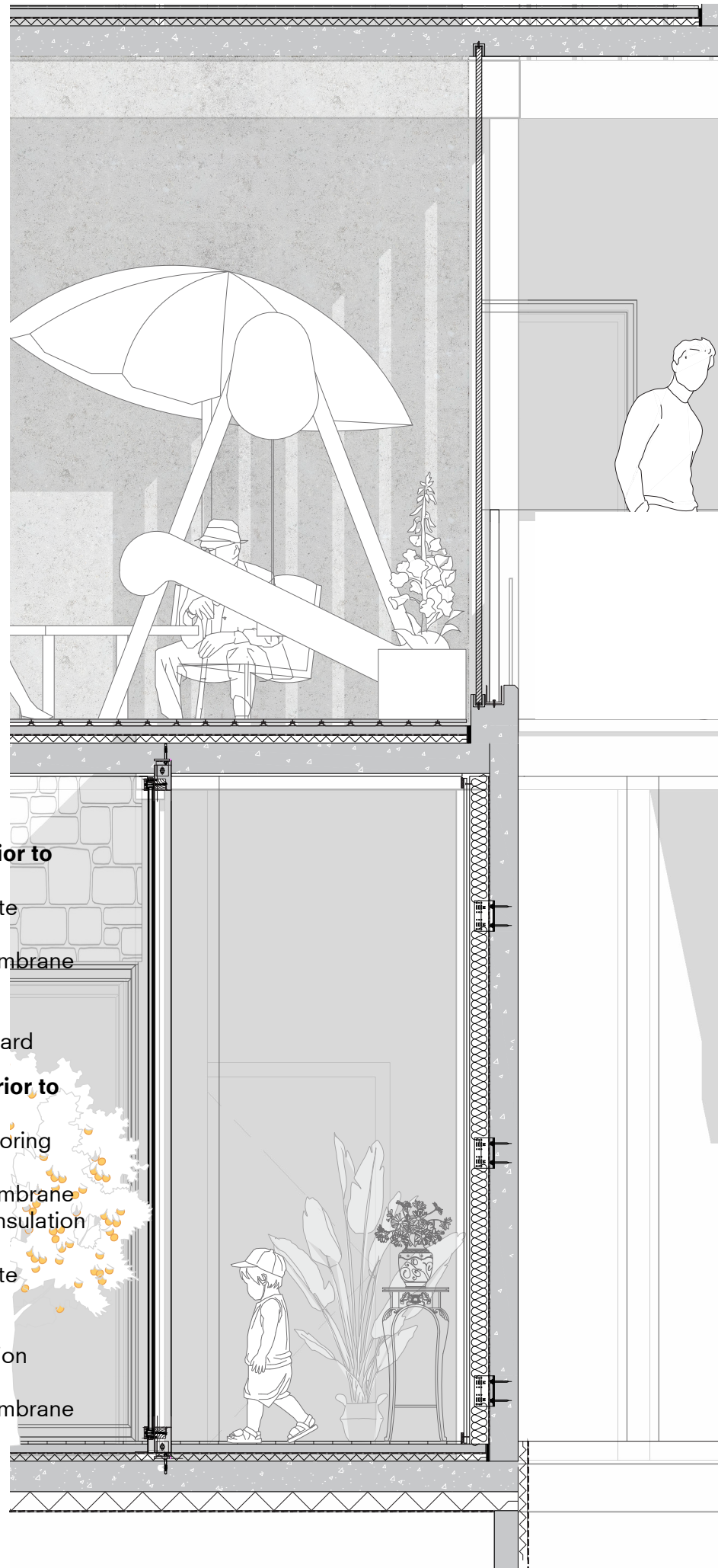
Floor layers (interior to exterior):
 12 mm Wooden flooring
 50 mm Screed
 Water proofing membrane
 50 mm Palm fiber insulation board
 170 mm Cast on site concrete slab
 100 mm Extruded polystyrene insulation board
 Water proofing membrane



Stairs Connection



Street View

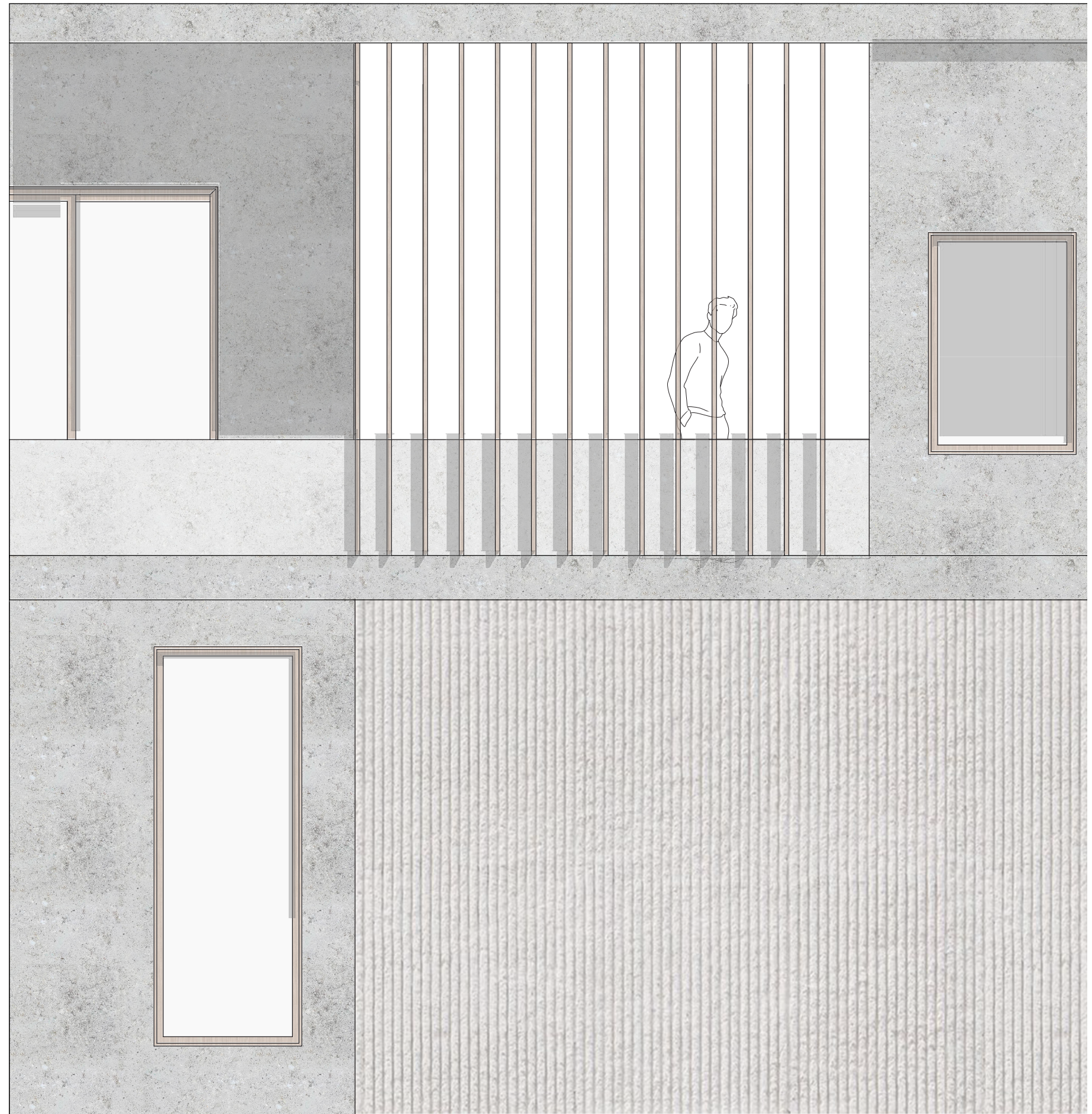


Wall layers (exterior to interior):

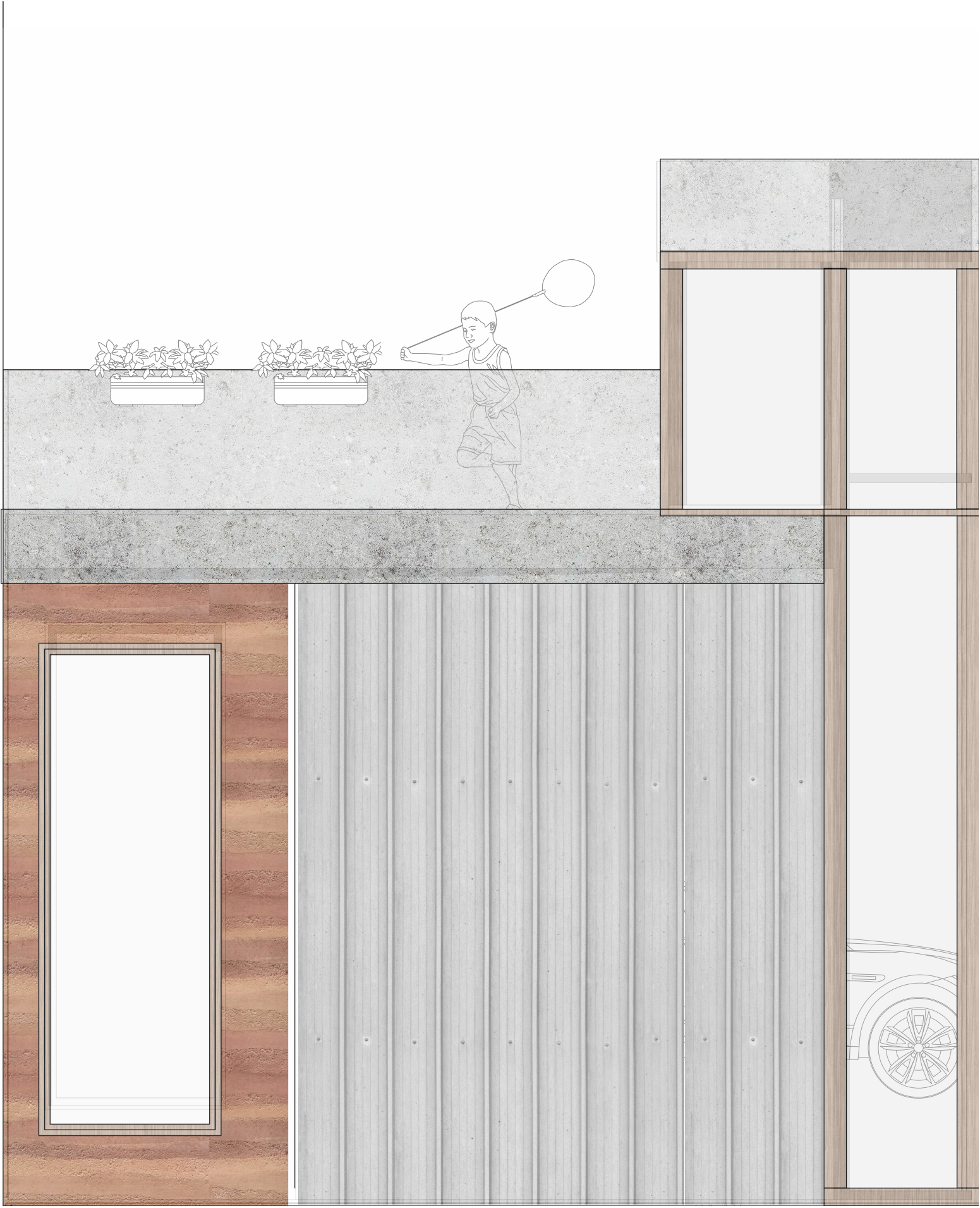
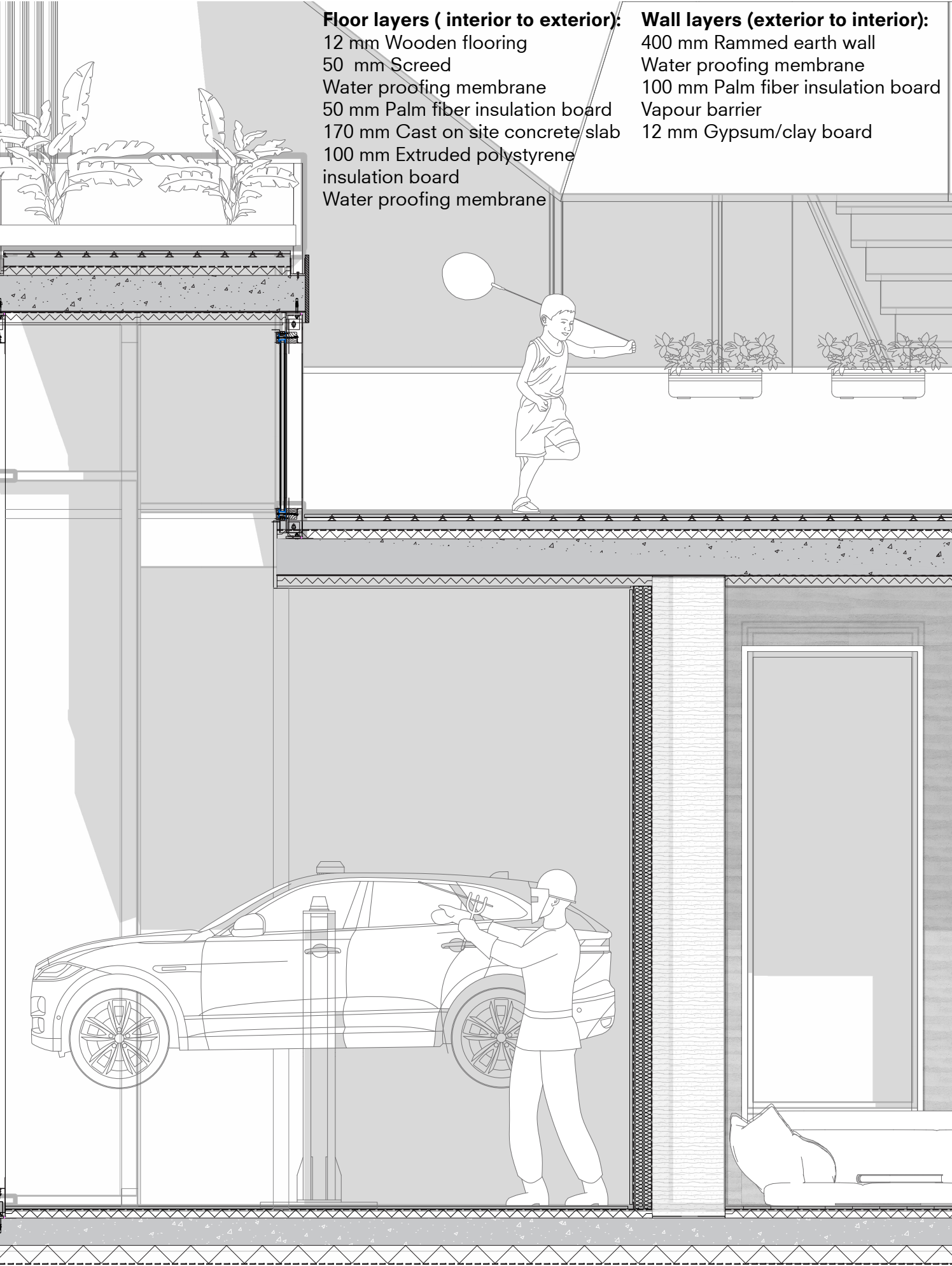
150 mm Cast on site concrete wall
Water proofing membrane
100 mm Palm fiber insulation board
12 mm Gypsum board

Floor layers (interior to exterior):

12 mm Wooden flooring
50 mm Screed
Water proofing membrane
50 mm Palm fiber insulation board
170 mm Cast on site concrete slab
100 mm Extruded polystyrene insulation board
Water proofing membrane



View From Communal Square To Garage



Street To Communal Square Alley

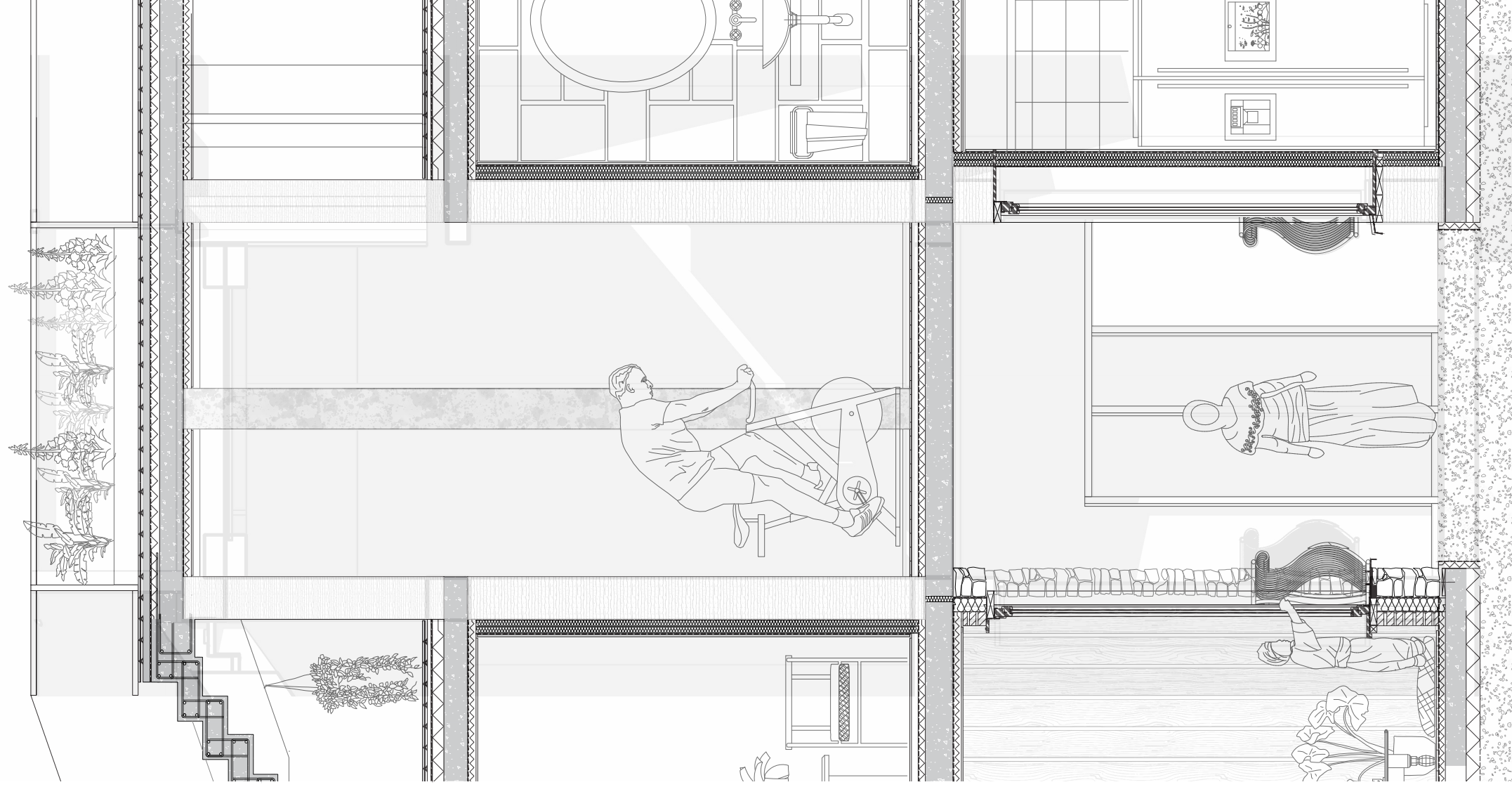
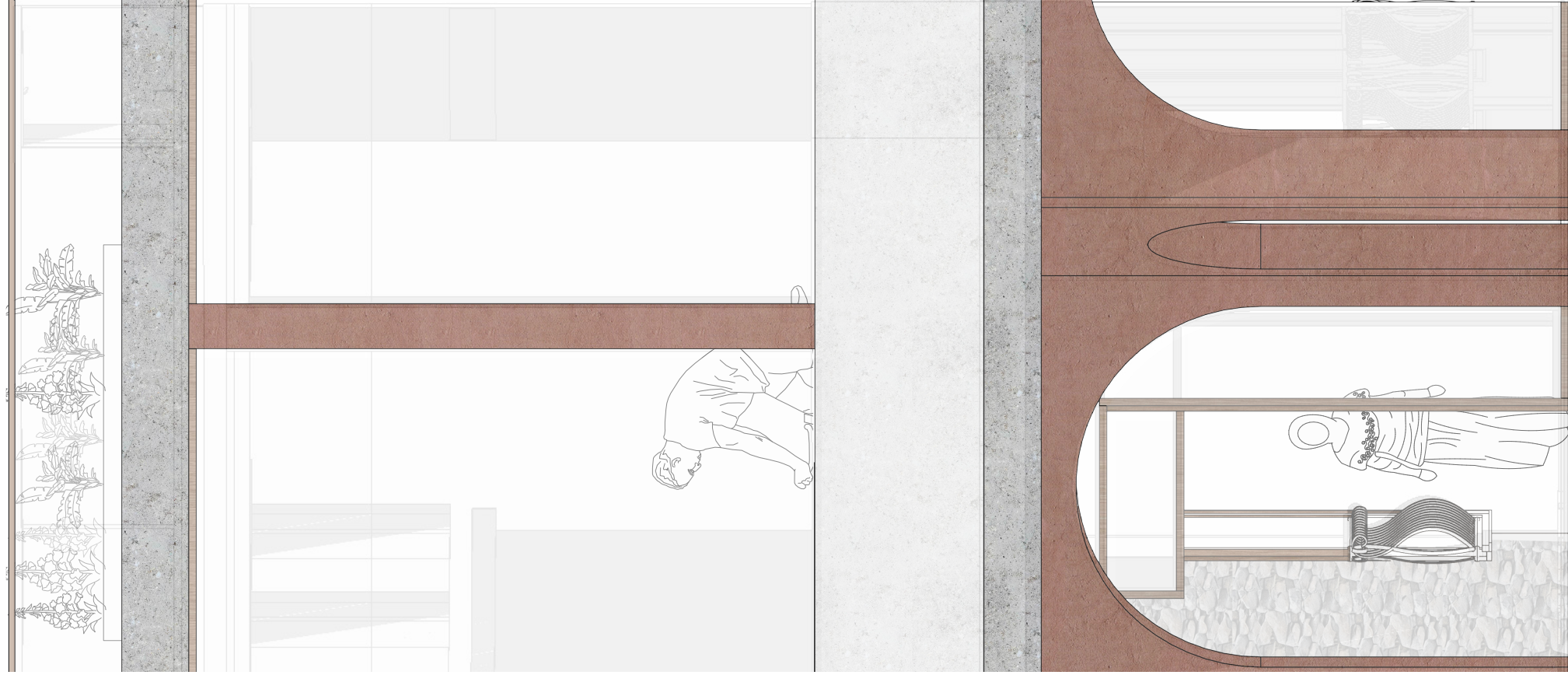


Wall layers (exterior to interior):

- 400 mm Rammed earth wall
- Water proofing membrane
- 100 mm Palm fiber insulation board
- Vapour barrier
- 12 mm Gypsum/clay board

Floor layers (interior to exterior):

- 12 mm Wooden flooring
- 50 mm Screed
- Water proofing membrane
- 50 mm Palm fiber insulation board
- 170 mm Cast on site concrete slab
- 100 mm Extruded polystyrene insulation board
- Water proofing membrane



Street To Communal Square Alley

Wall layers (exterior to interior):

- 12 mm Plaster board
- Water proofing membrane
- 100 mm Palm fiber insulation board
- 100 mm Stone blocks
- Vapour barrier
- 12 mm Gypsum board

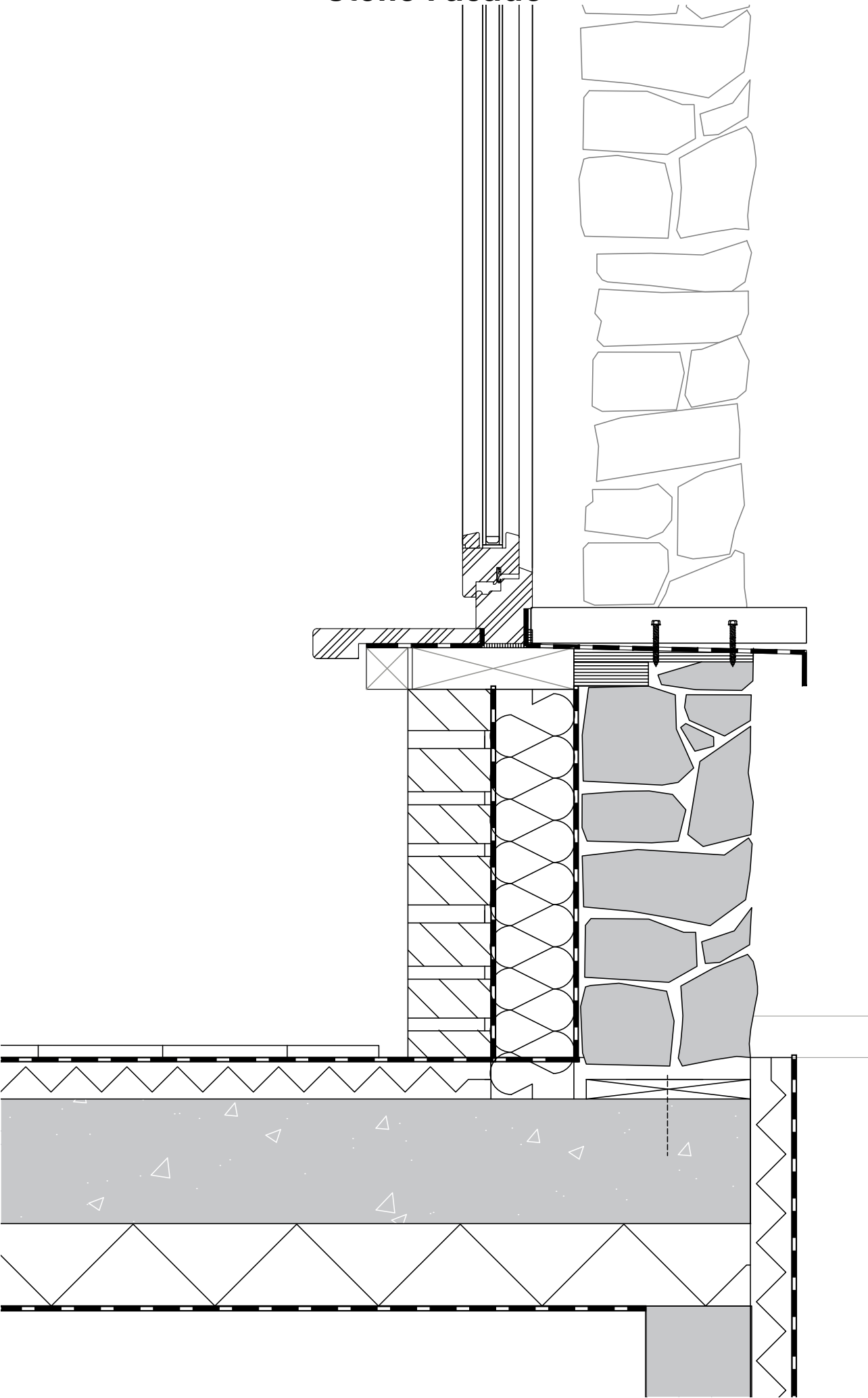
Wall layers (exterior to interior):

- 400 mm Rammed earth wall
- Water proofing membrane
- 100 mm Palm fiber insulation board
- Vapour barrier
- 12 mm Gypsum/clay board

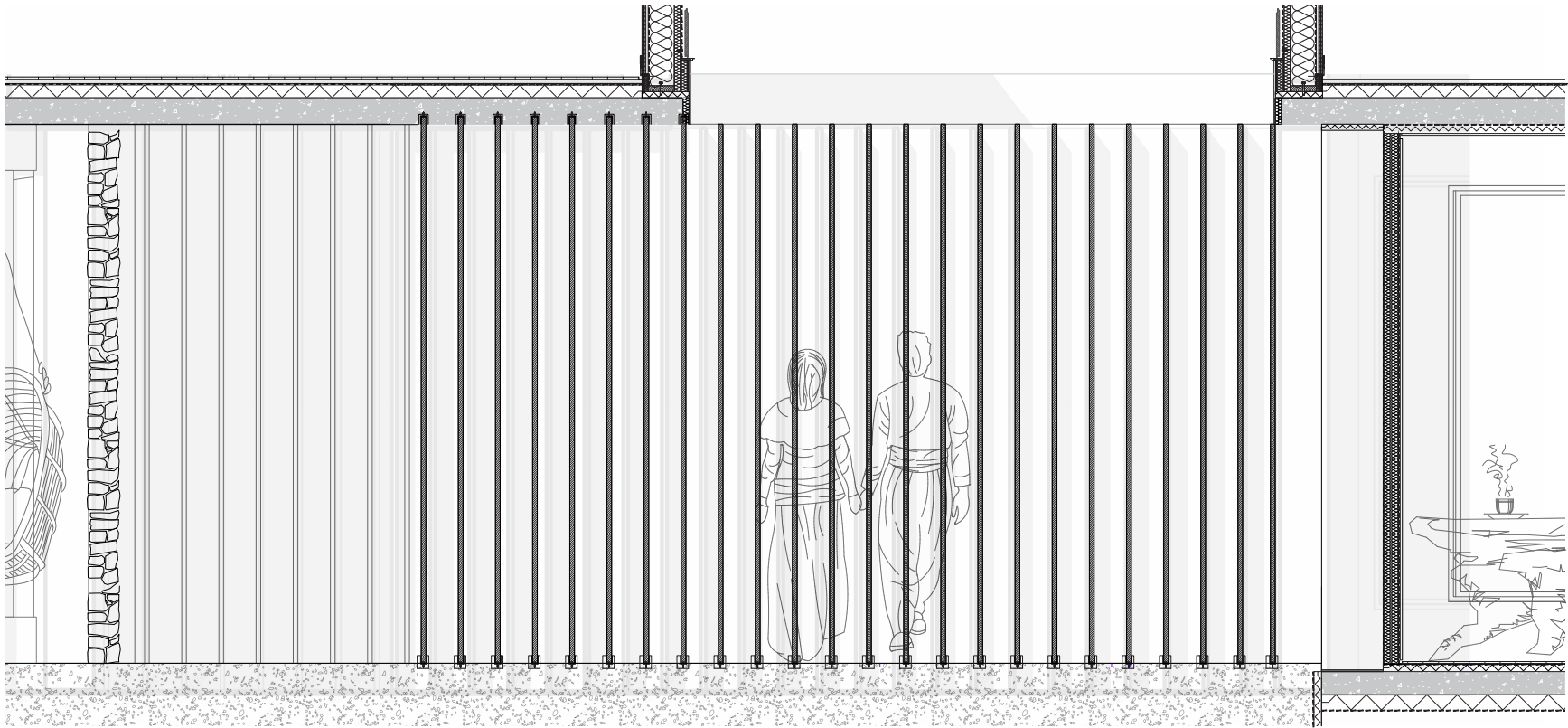
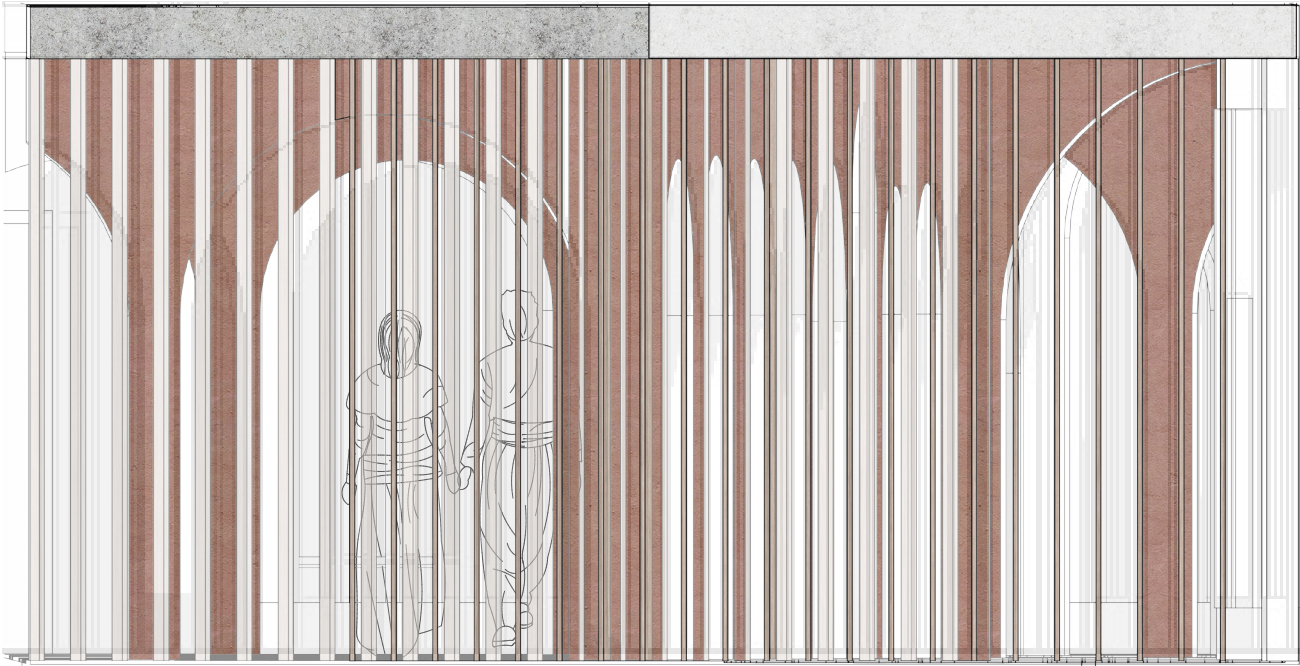
Floor layers (interior to exterior):

- 12 mm Wooden flooring
- 50 mm Screed
- Water proofing membrane
- 50 mm Palm fiber insulation board
- 170 mm Cast on site concrete slab
- 100 mm Extruded polystyrene insulation board
- Water proofing membrane

Stone Facade

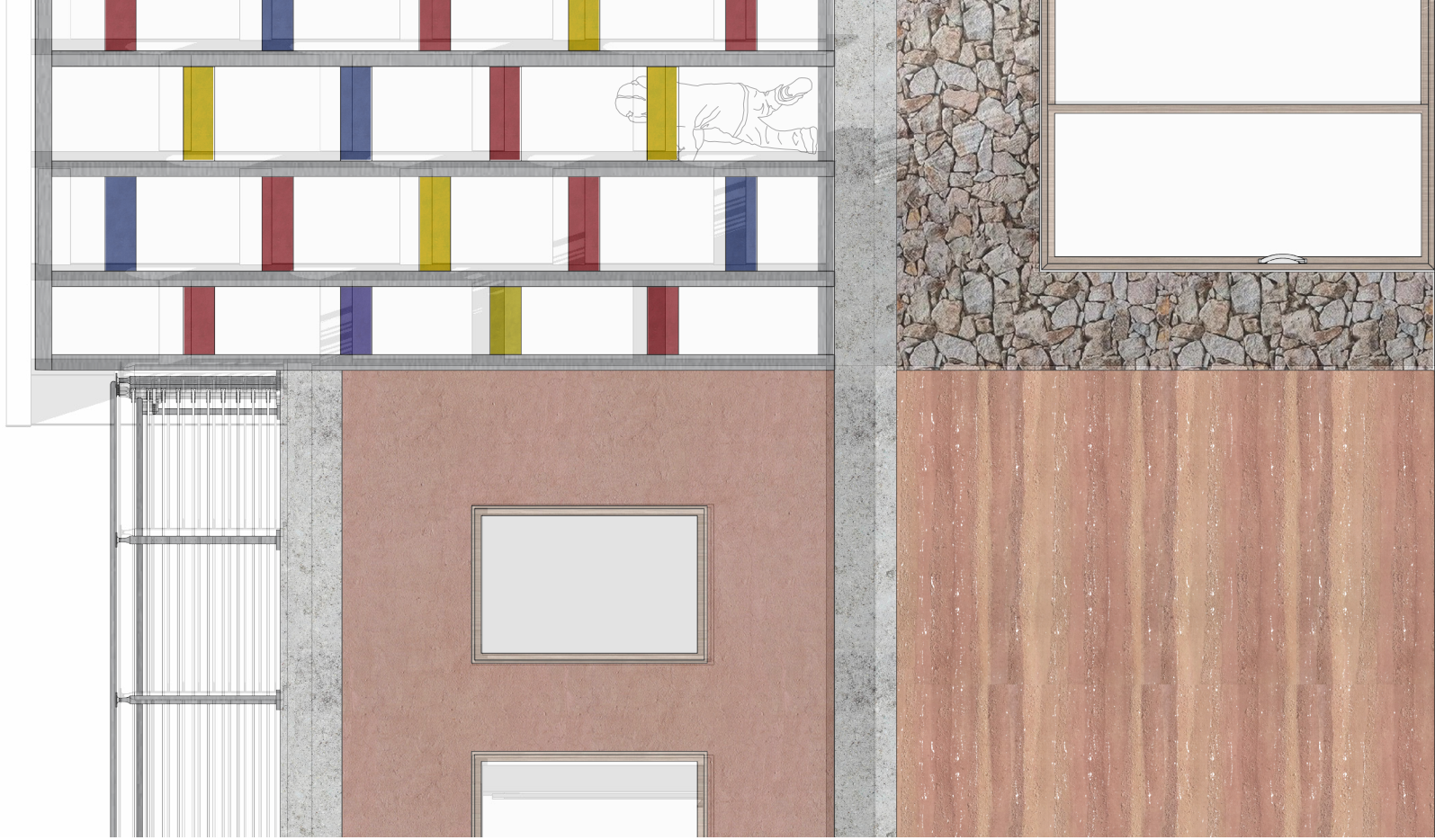


Street To Communal Square Alley

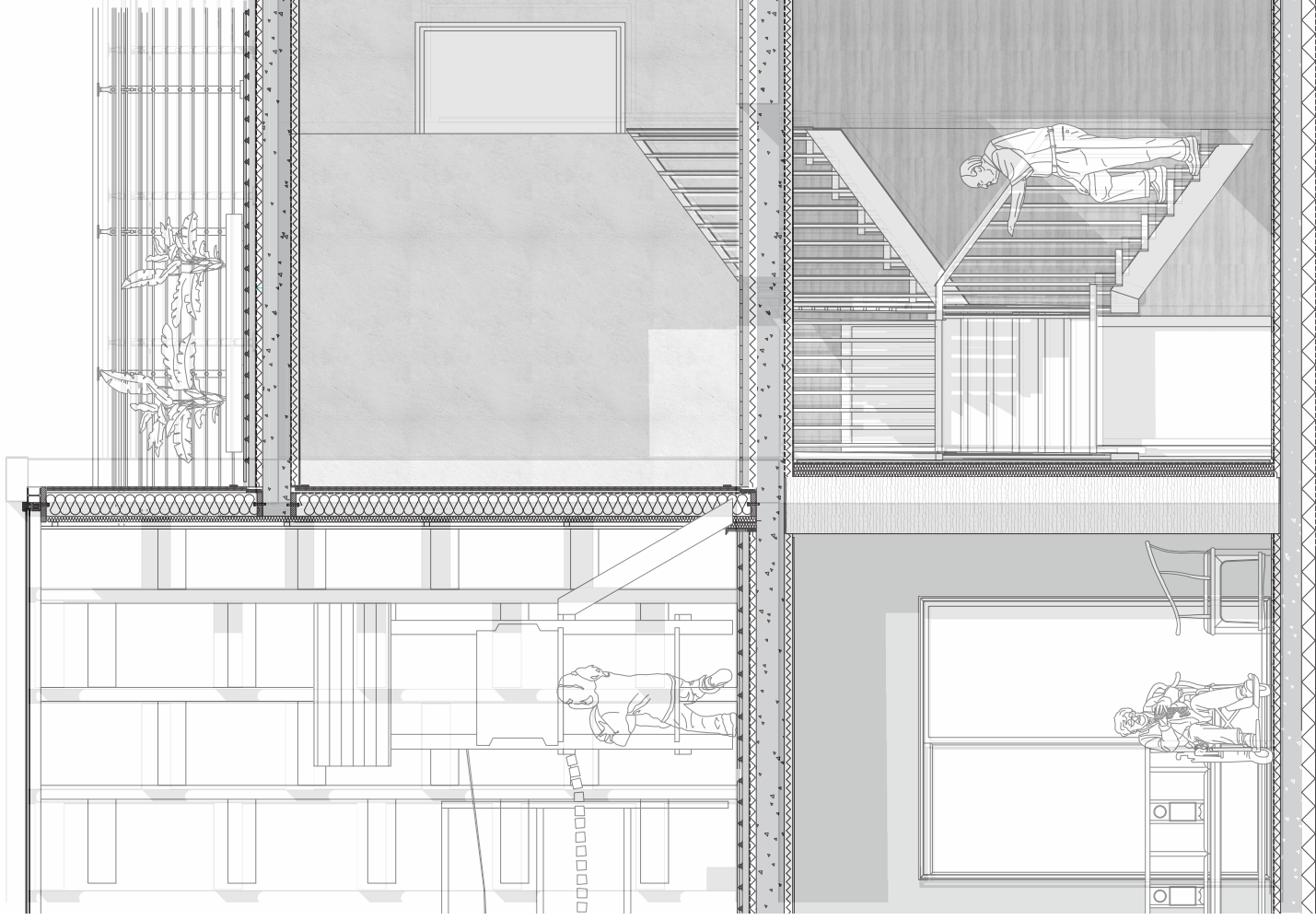


Wall layers (exterior to interior):
400 mm Rammed earth wall
Water proofing membrane
100 mm Palm fiber insulation board
Vapour barrier
12 mm Gypsum/clay board

Floor layers (interior to exterior):
12 mm Wooden flooring
50 mm Screed
Water proofing membrane
50 mm Palm fiber insulation board
170 mm Cast on site concrete slab
100 mm Extruded polystyrene insulation board
Water proofing membrane



View From Communal Square To Play Area



Wall layers (exterior to interior):

12 mm Steel sheets
Water proofing membrane
40 mm Palm fiber insulation board
165 Timber framework
Vapour barrier
12 mm Gypsum board

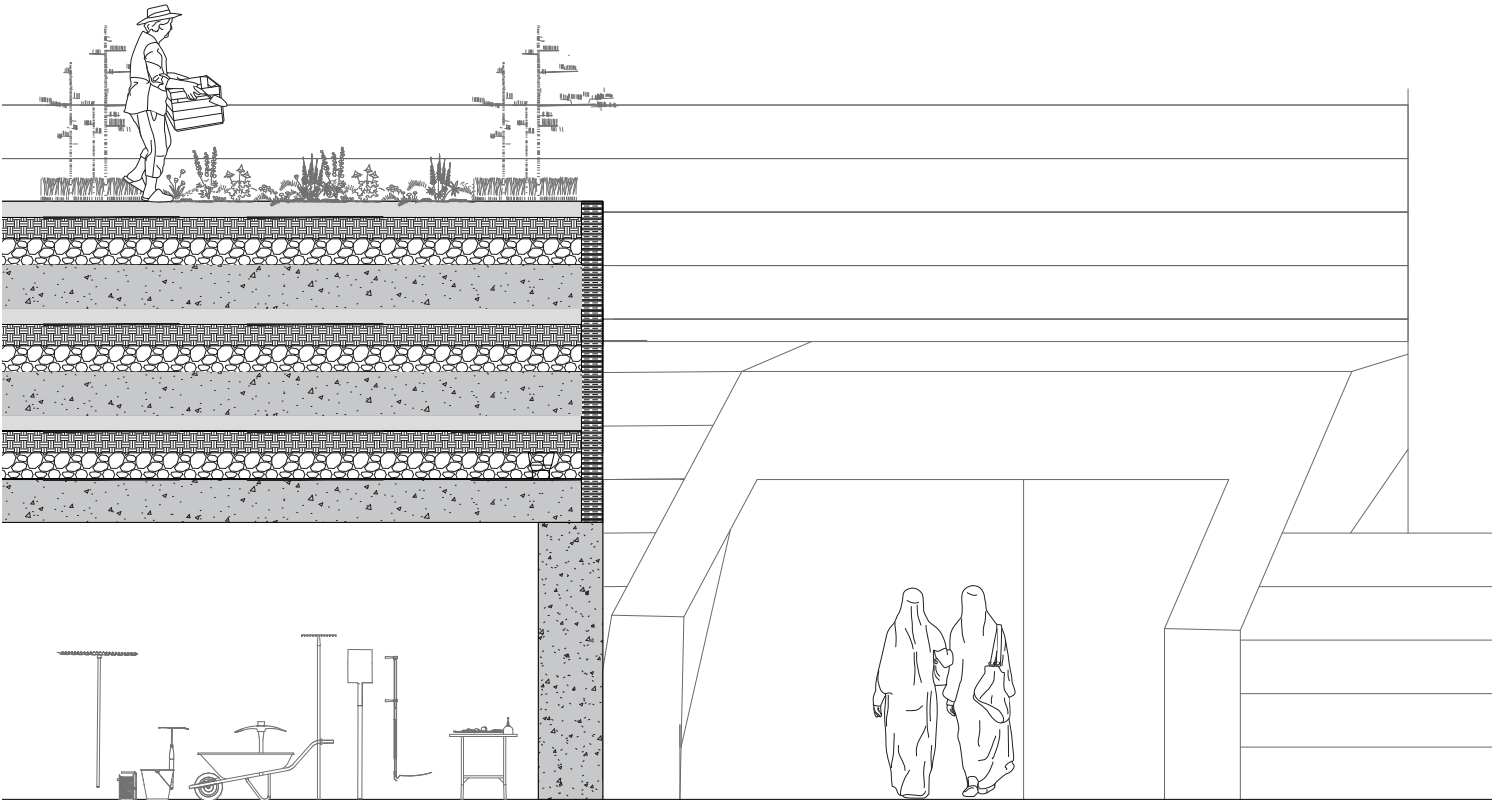
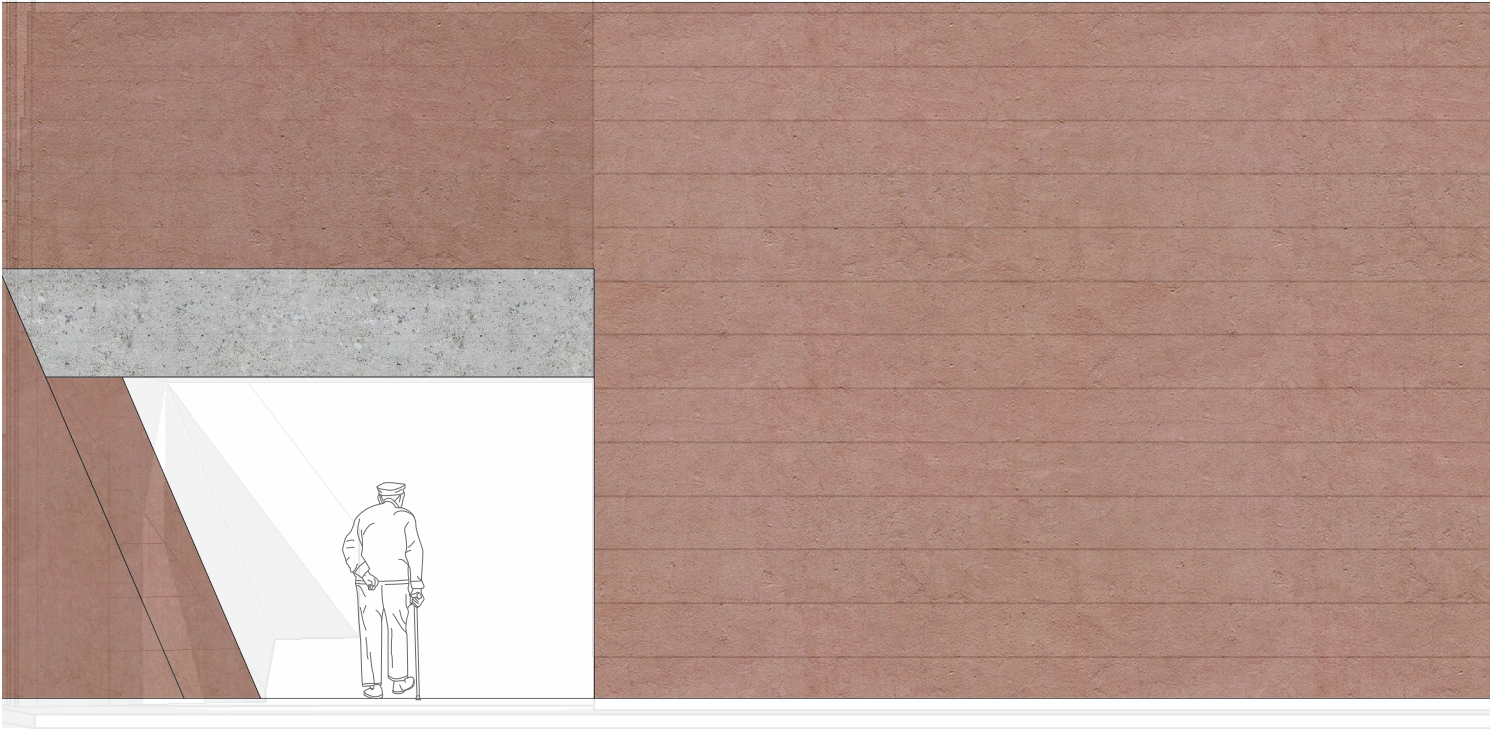
Wall layers (exterior to interior):

400 mm Rammed earth wall
Water proofing membrane
100 mm Palm fiber insulation board
Vapour barrier
12 mm Gypsum/clay board

Floor layers (interior to exterior):

12 mm Wooden flooring
50 mm Screed
Water proofing membrane
50 mm Palm fiber insulation board
170 mm Cast on site concrete slab
100 mm Extruded polystyrene insulation board
Water proofing membrane

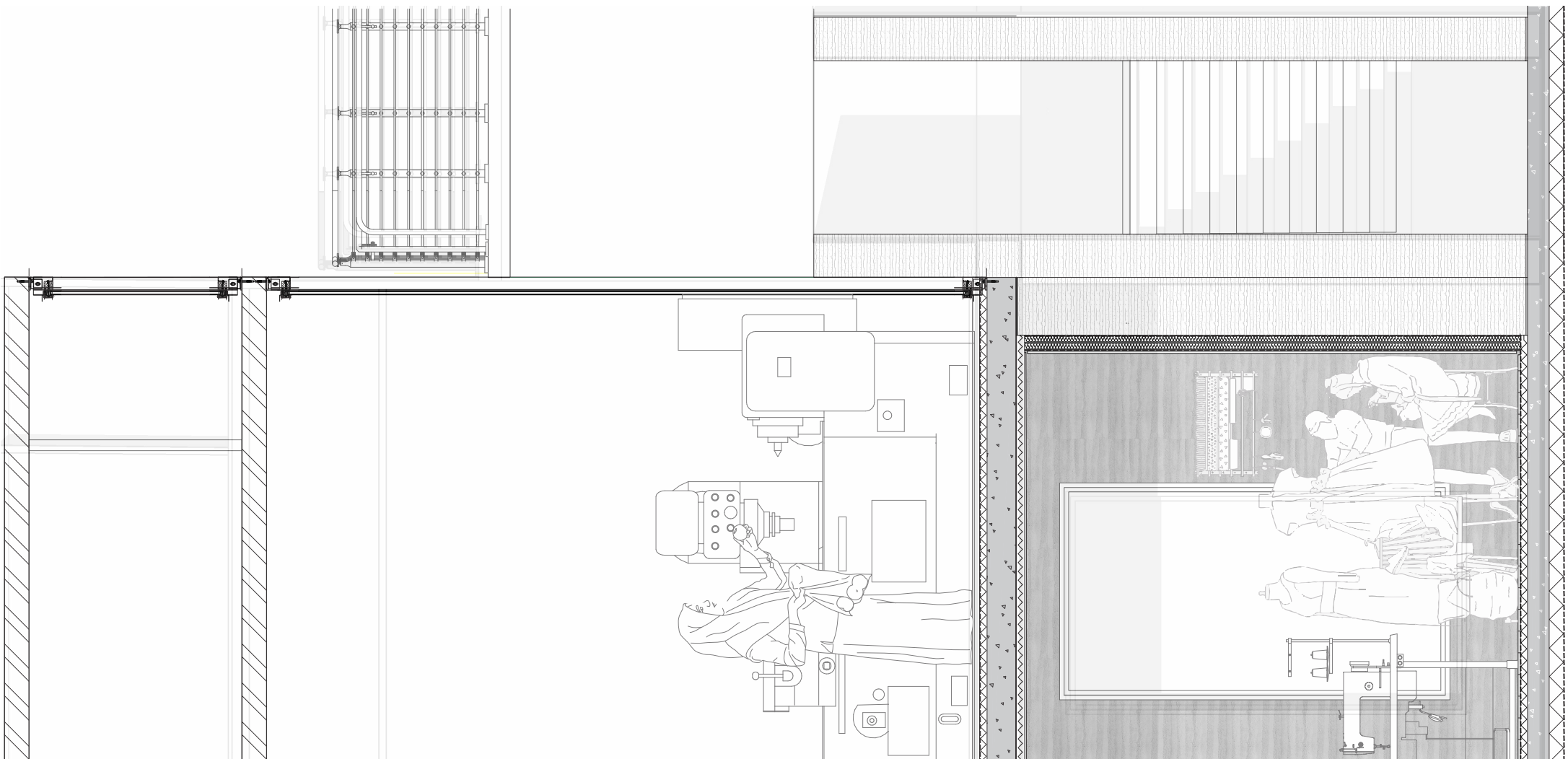
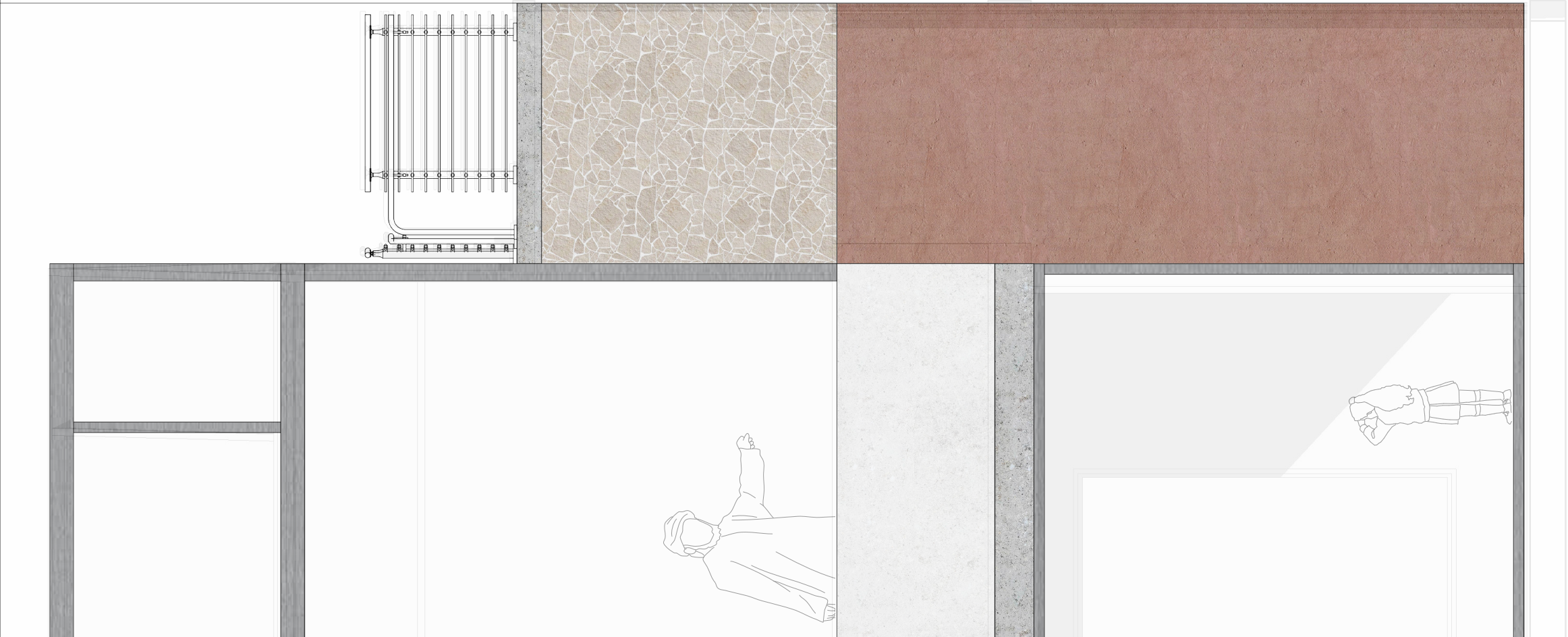
Street To Communal Square Alley



Wall layers (exterior to interior):
300 mm Cast on site concrete wall slab

Floor layers (interior to exterior):
200 mm Cast on site concrete slab
Waterproofing membrane
125 mm Gravel
100 mm Soil

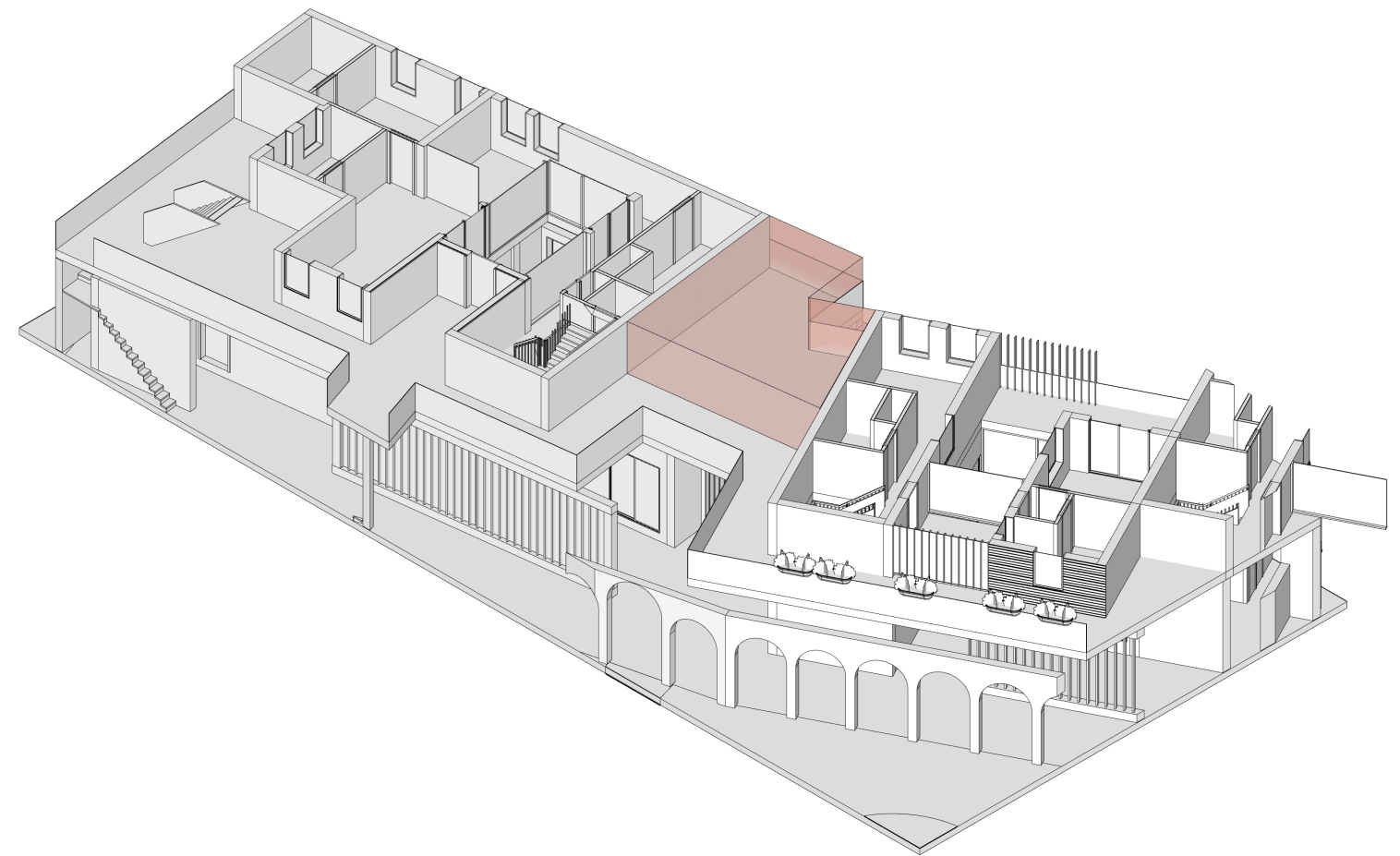
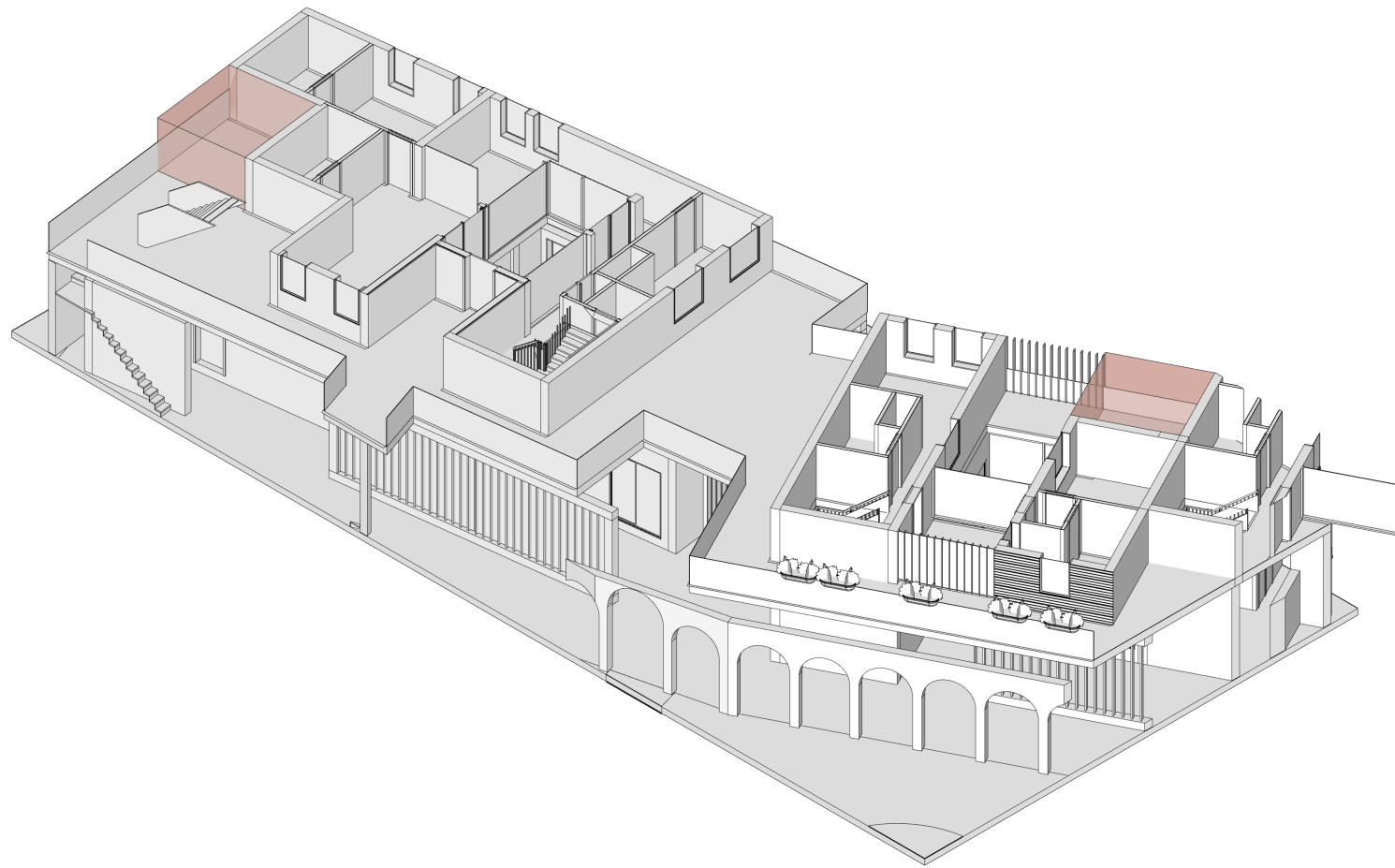
View From Communal Square To Hub



- Floor layers (interior to exterior):**
- 12 mm Wooden flooring
 - 50 mm Screed
 - Water proofing membrane
 - 50 mm Palm fiber insulation board
 - 170 mm Cast on site concrete slab
 - 100 mm Extruded polystyrene insulation board
 - Water proofing membrane

- Wall layers (exterior to interior):**
- 400 mm Rammed earth wall
 - Water proofing membrane
 - 100 mm Palm fiber insulation board
 - Vapour barrier
 - 12 mm Gypsum/clay board

Horizontal Expansion



Design Development in 10 Years

