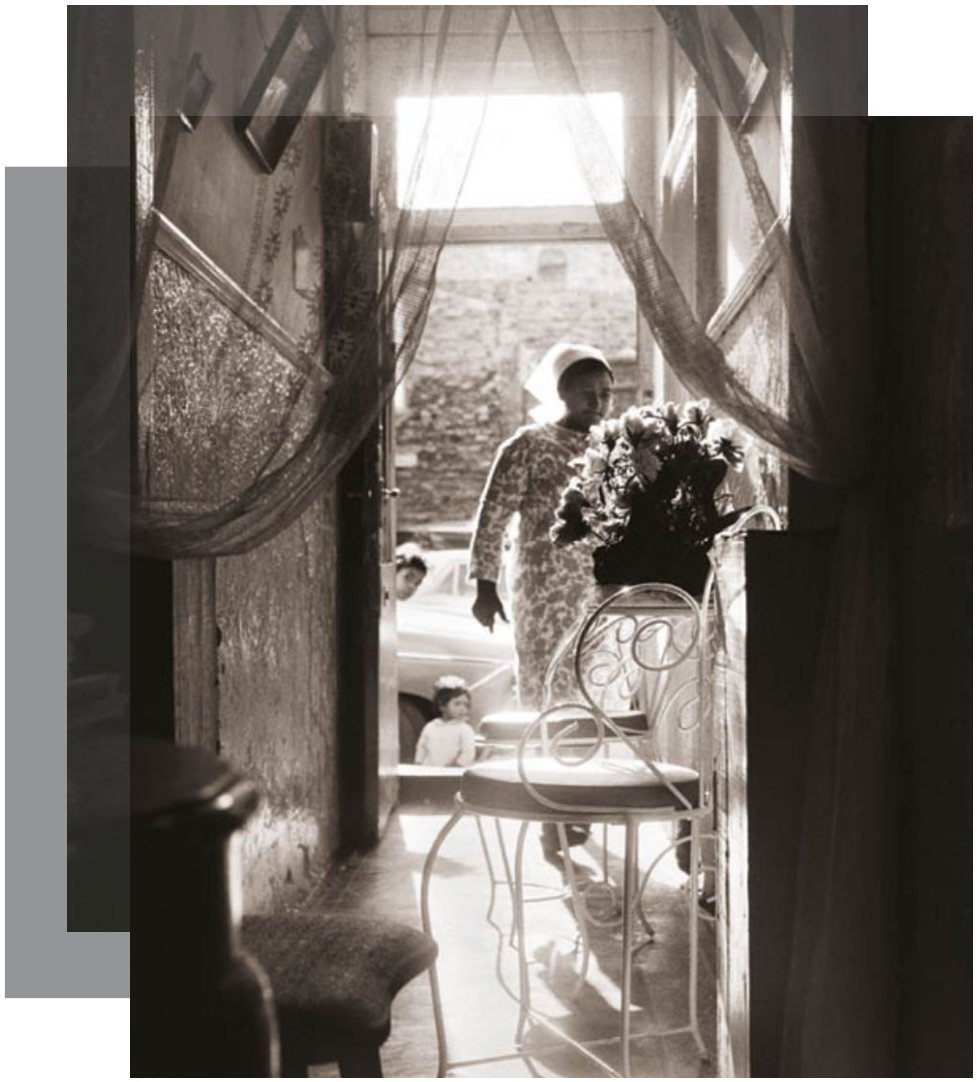
Domestic thresholds

Towards re-engendering the erased street life of District Six

COLLECTION
OF DRAWINGS



Jessie Froman | 5057647

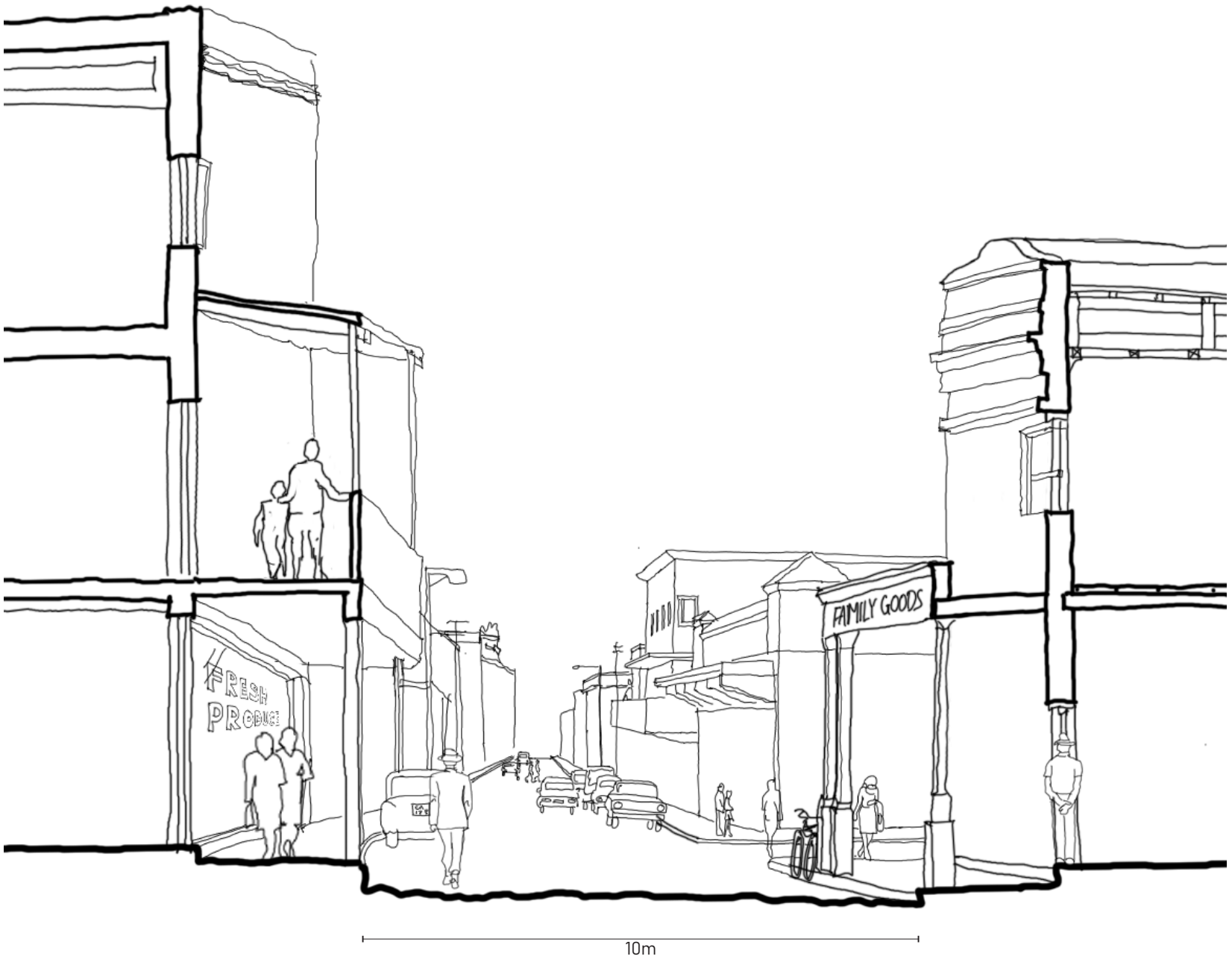
Interiors, Buildings, Cities | Independent group | Msc3/4

An archive of completed works, by this student, towards the final graduation of the MSc Architecture at TU Delft. With gratitude to my family, friends, colleagues and studio mentors. It is my hope that this project, carrying on in the tradition of honouring memories, adds to the discourse around District Six today. And that restitution comes soon for the claimants, their neighbours as well as the land itself.

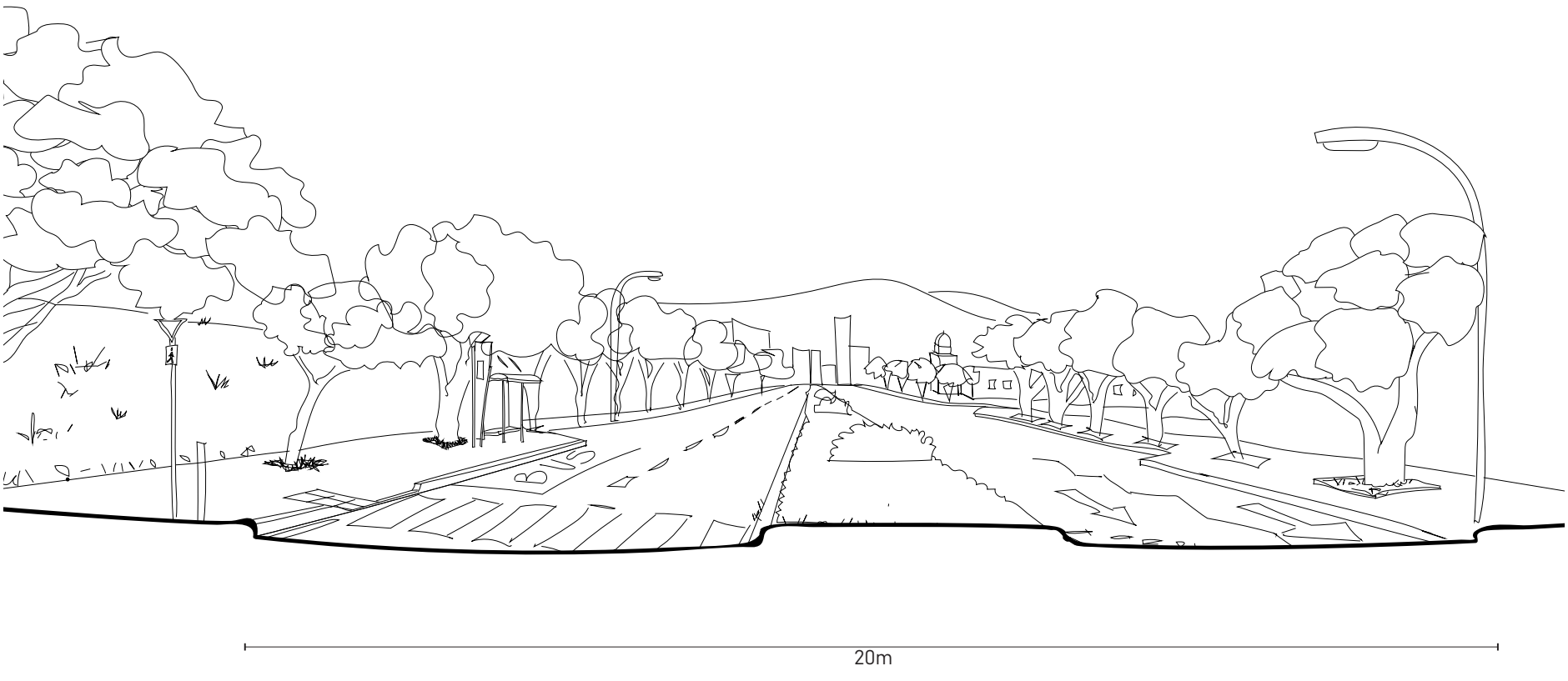
COLLECTION OF DRAWINGS

Mentors:
Daniel Rosbottom
Mark Pimlott
Koen Mulder

Cape Town, South Africa, 2022

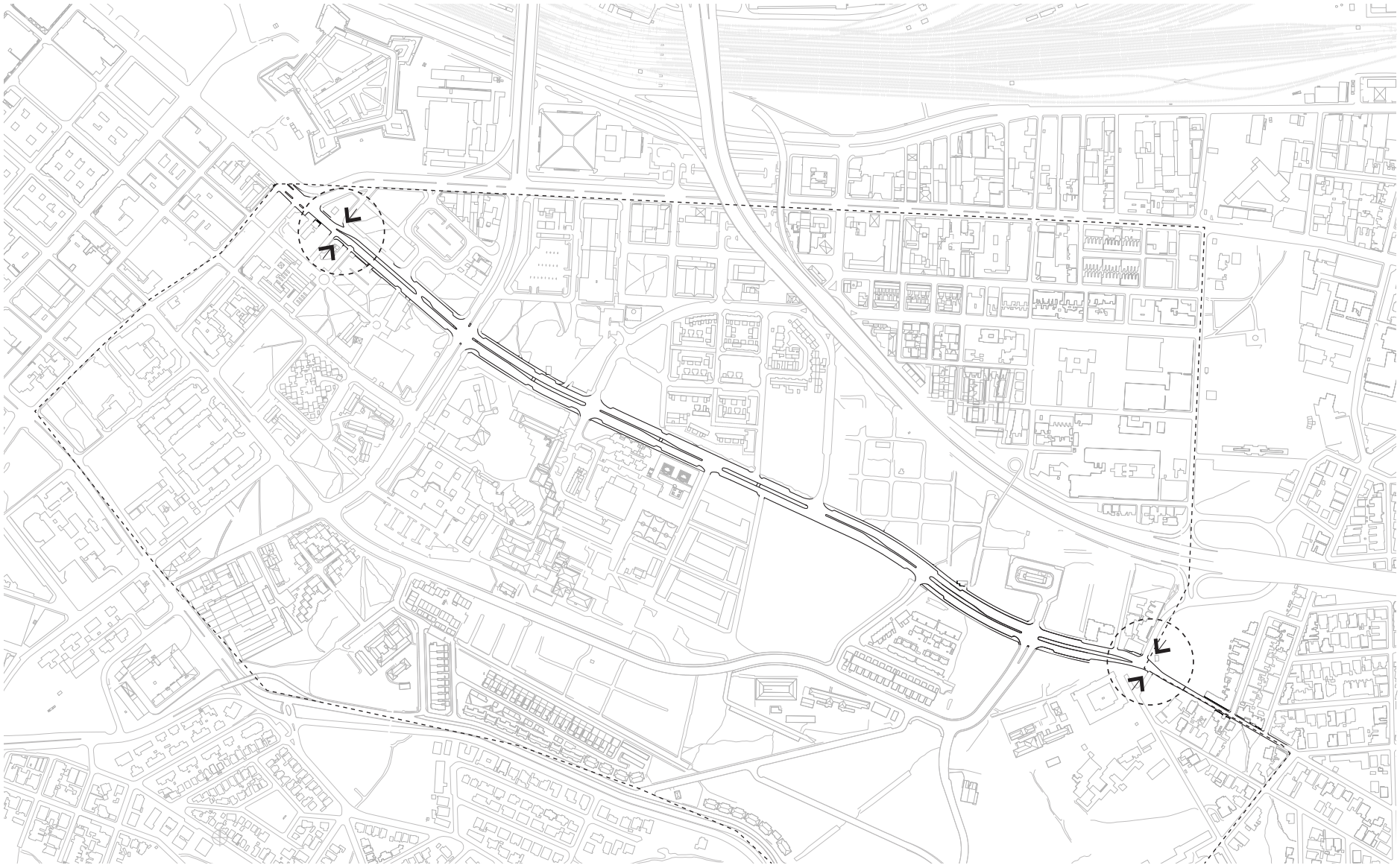


Hanover street, District Six, 1960's

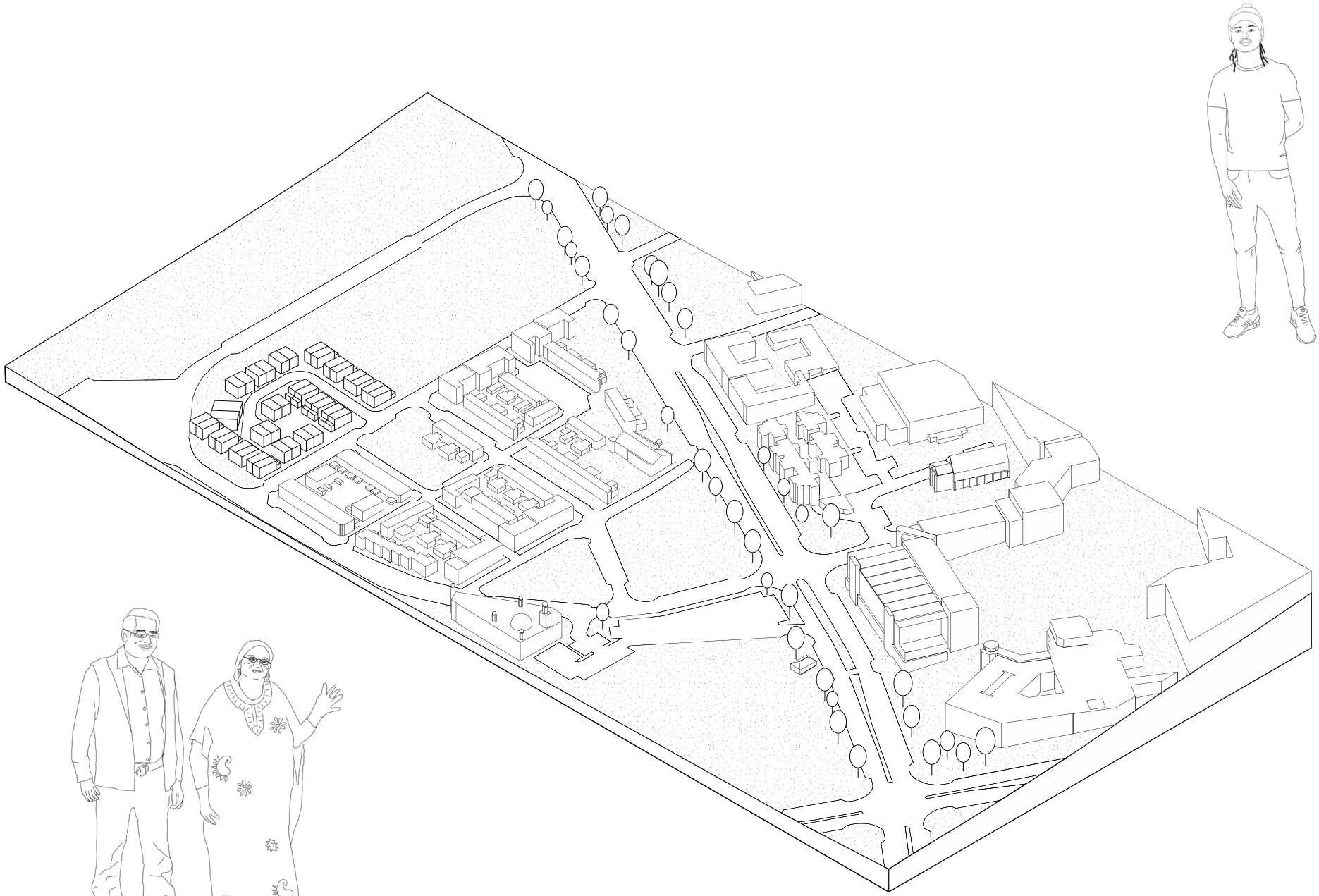


New Hanover street, District Six, 2022

Potential for a revival of public life as negotiation with the layers of the past

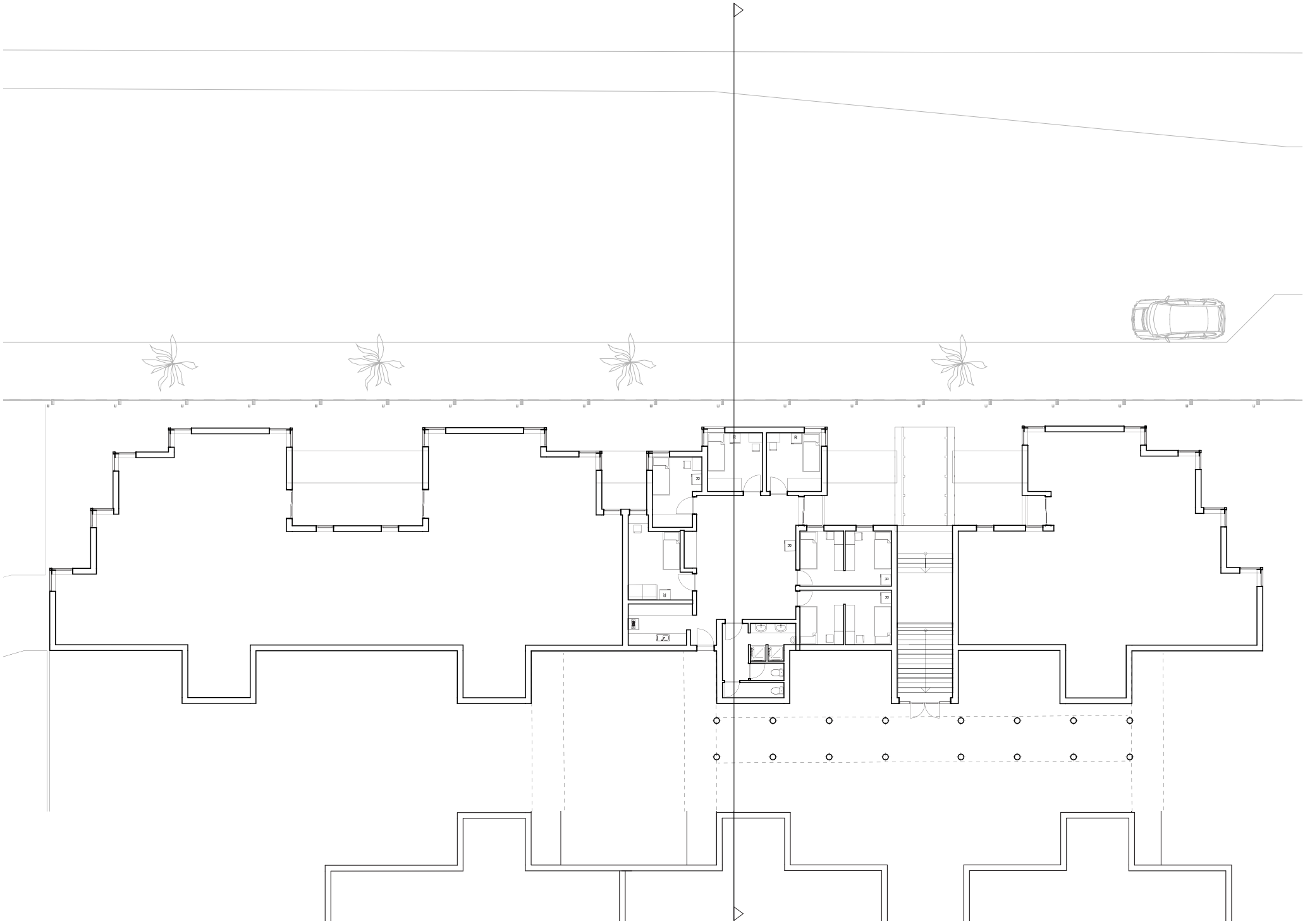


District Six, 2022: A site divided by roads



District Six, 2022: A case study in domesticity

Domesticity as a result of material cultures



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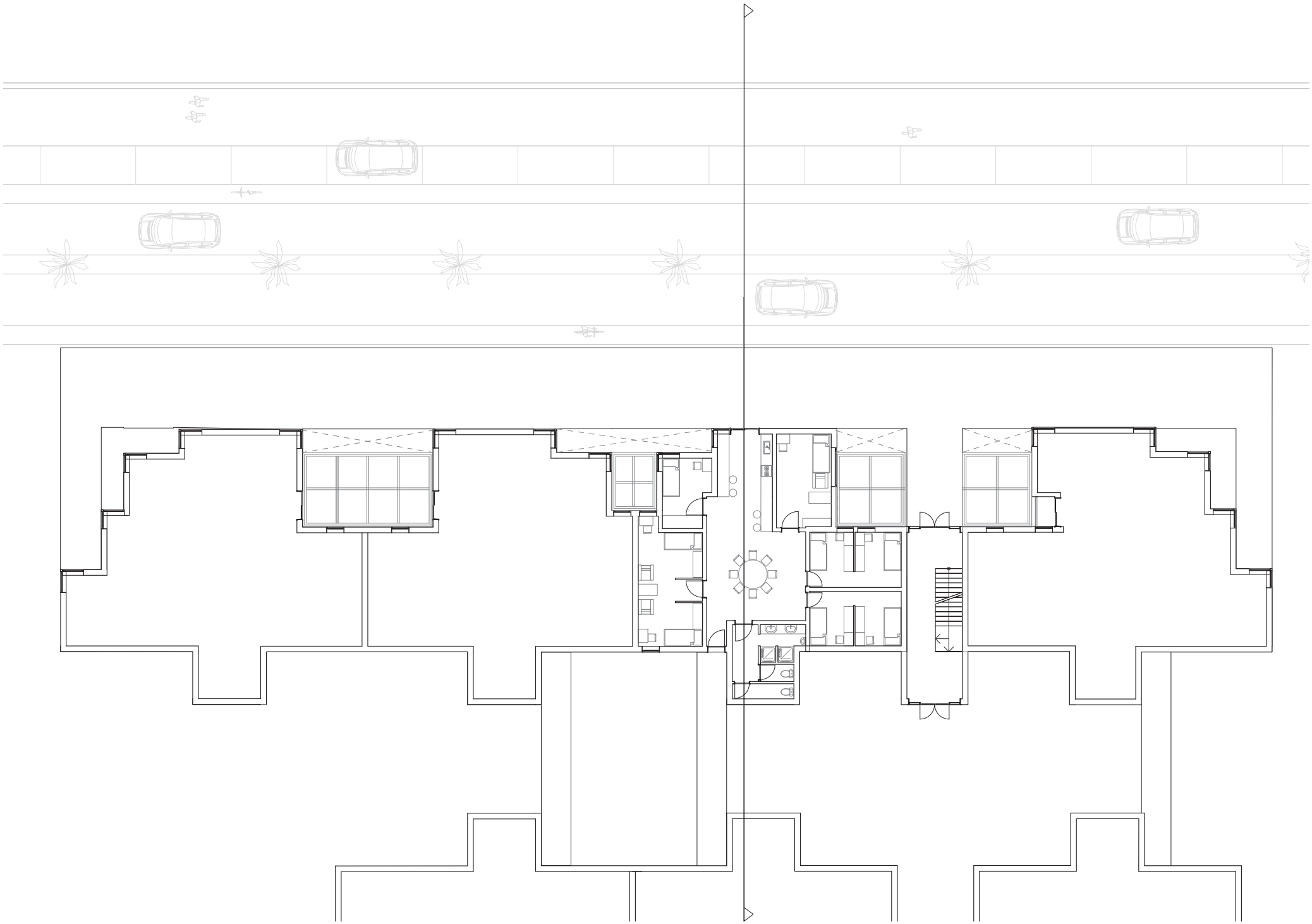
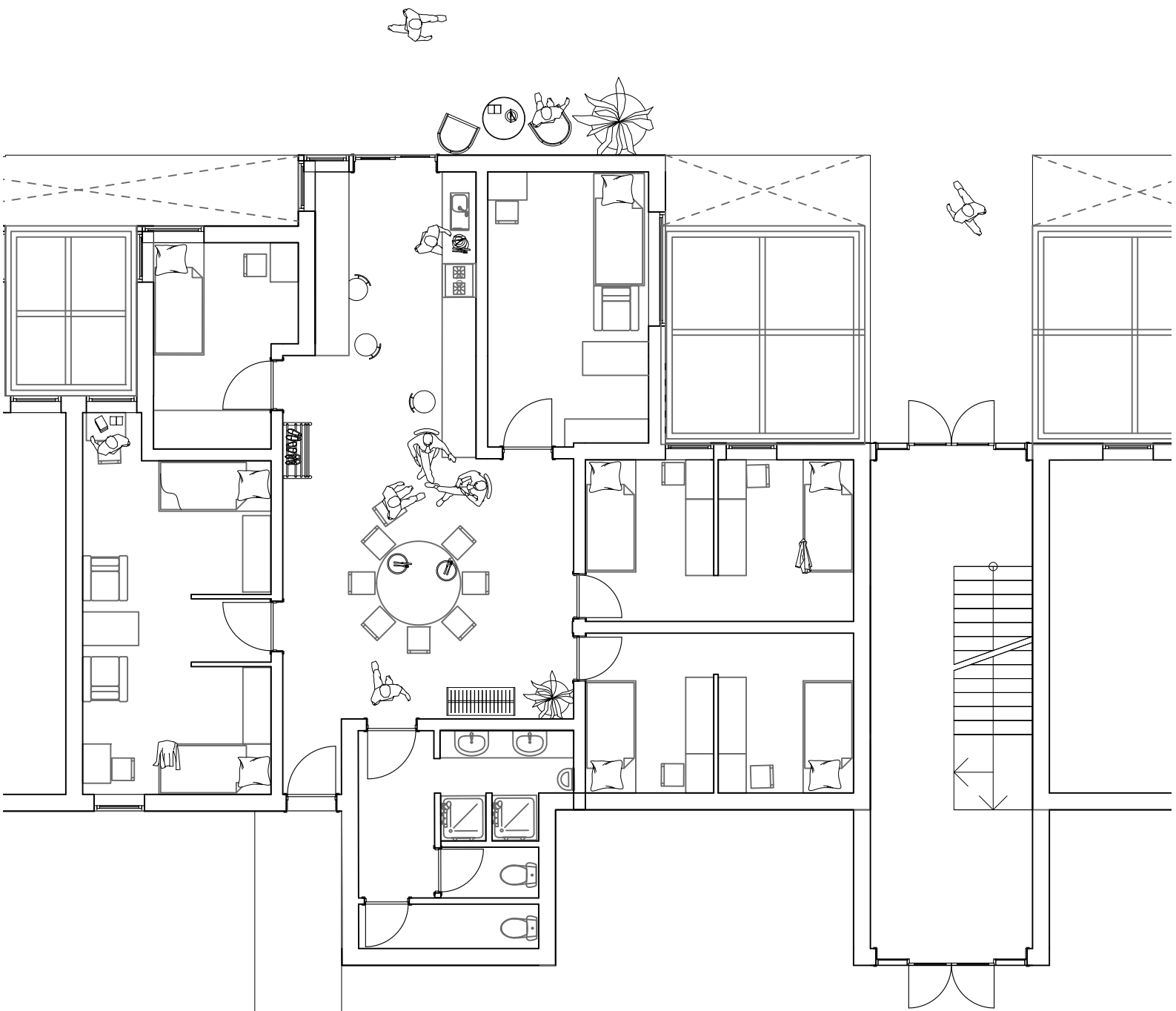
Sandenburgh Residence: Existing residence floor plan



Scale 1:250

0 2,5 5 10m

Sandenburgh Residence: Proposed residence floor plan



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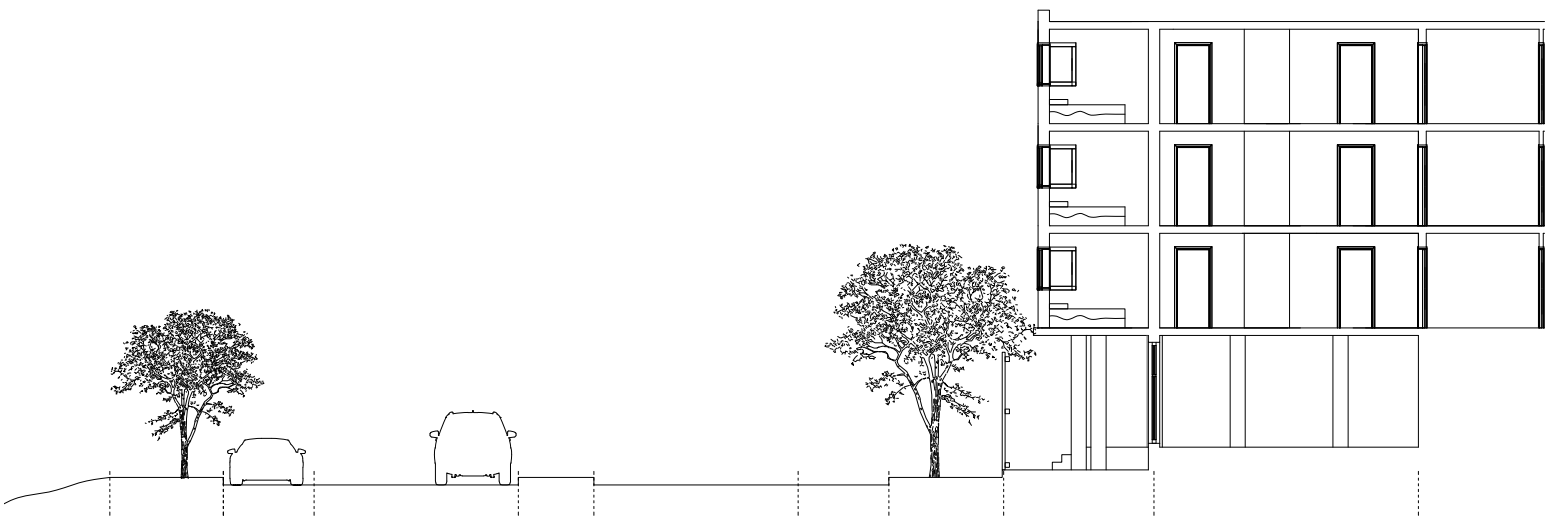
Scale 1:100

0 1 2 4m

Sandenburgh Residence: Proposed residence floor plan inhabited

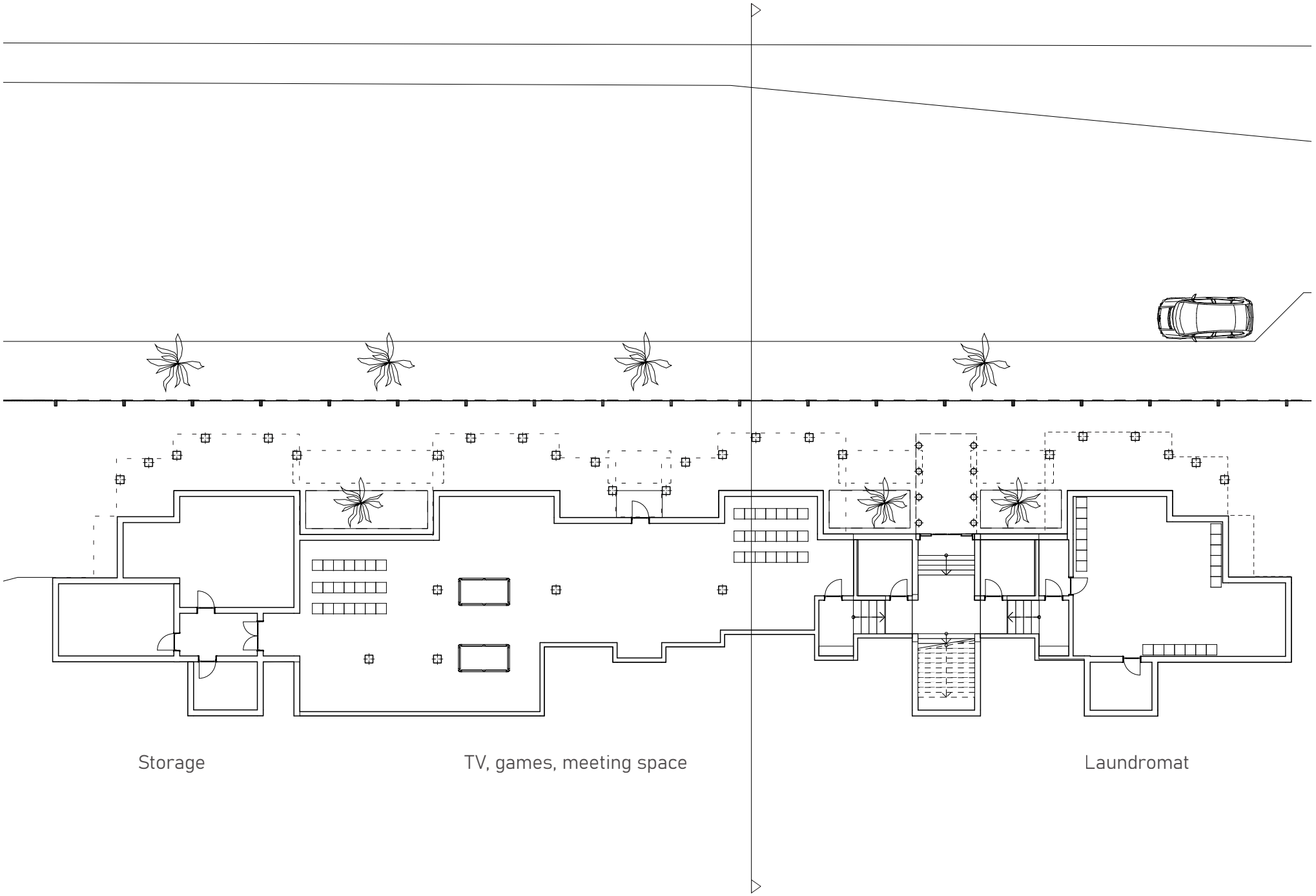


Sandenburgh Residence to Hanover Street: Existing section

Scale 1:200

Sandenburgh Residence to Hanover Street: Proposed section

0 2 4 8



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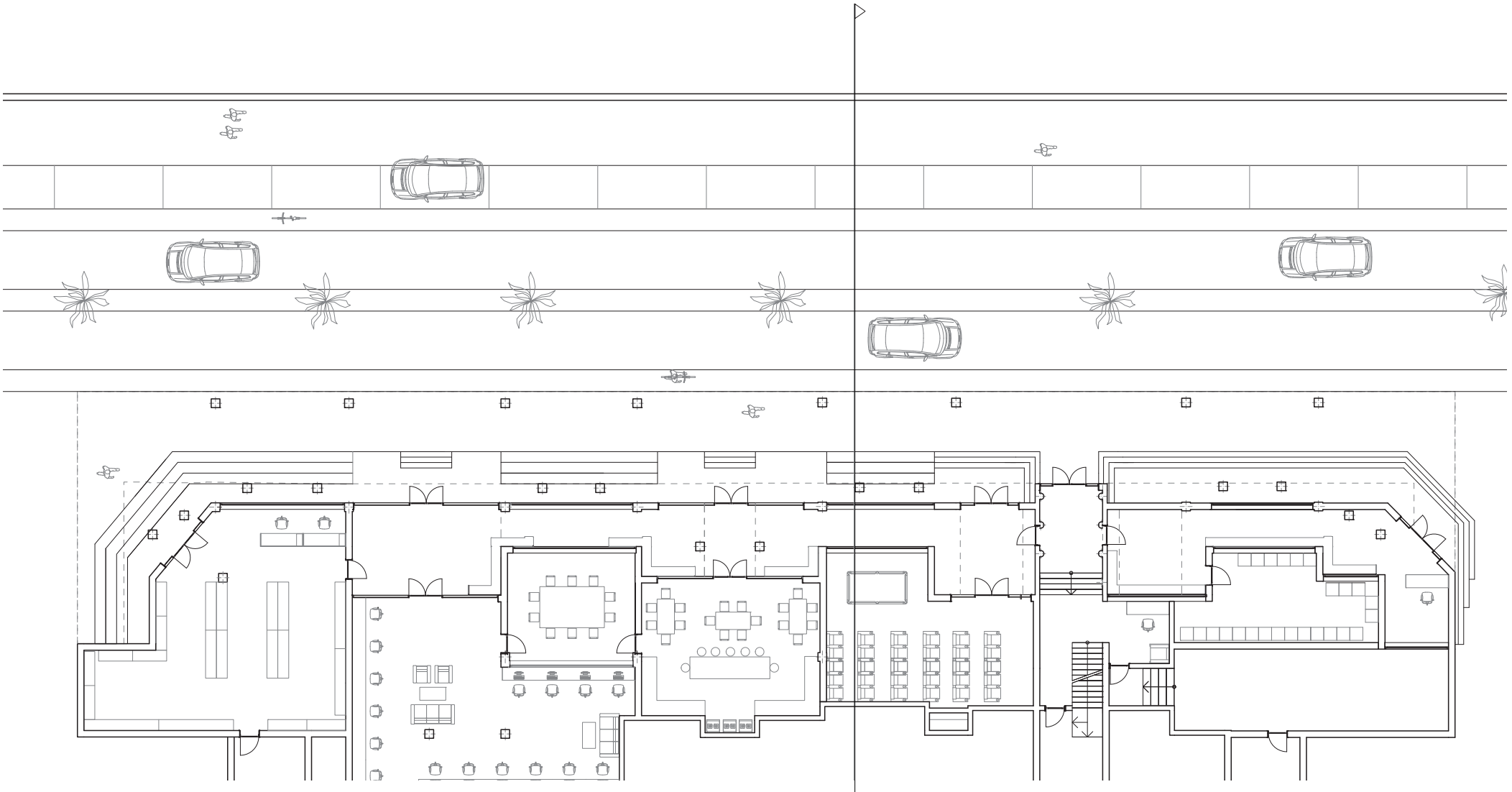
Sandenburgh Residence: Existing street level plan



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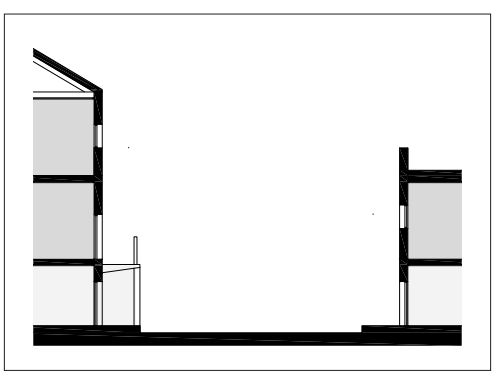
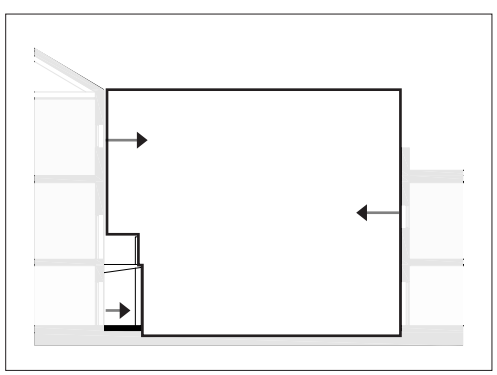
Sandenburgh Residence: Proposed street level plan

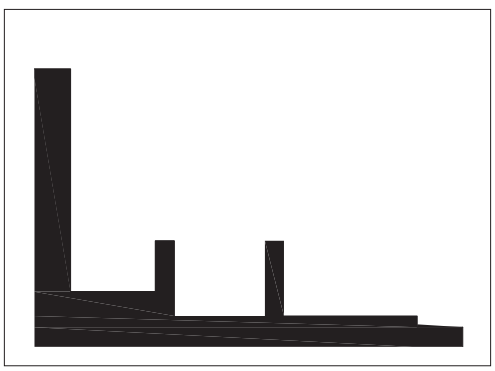
Historic principle
Mixed programme



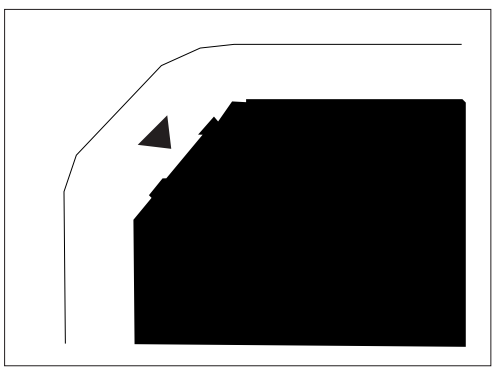
Historic principle
Strong urban wall



Historic principle
platform + garden + stoep

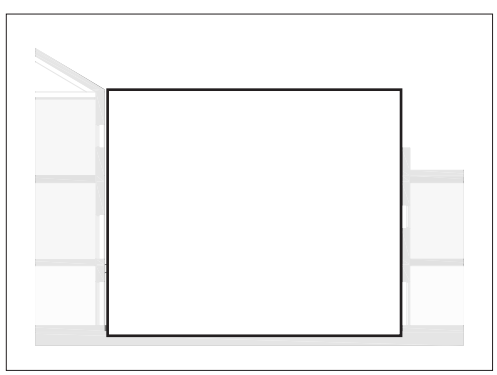


Historic principle
Chambered public corner

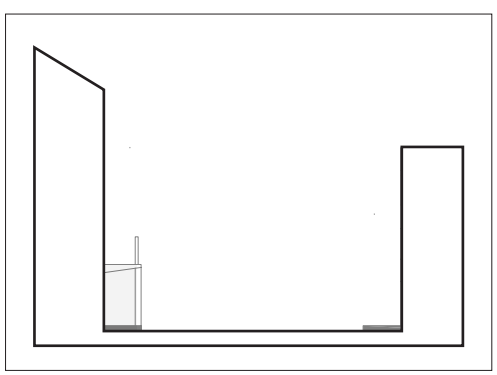


Tools for an urban strategy

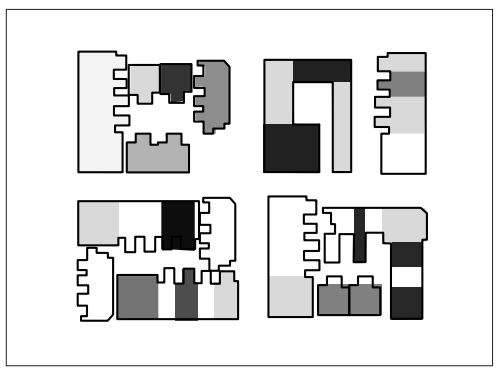
Historic principle
Strong urban wall



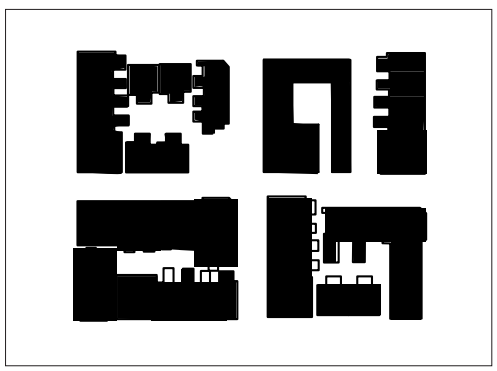
Historic principle
Strong urban wall

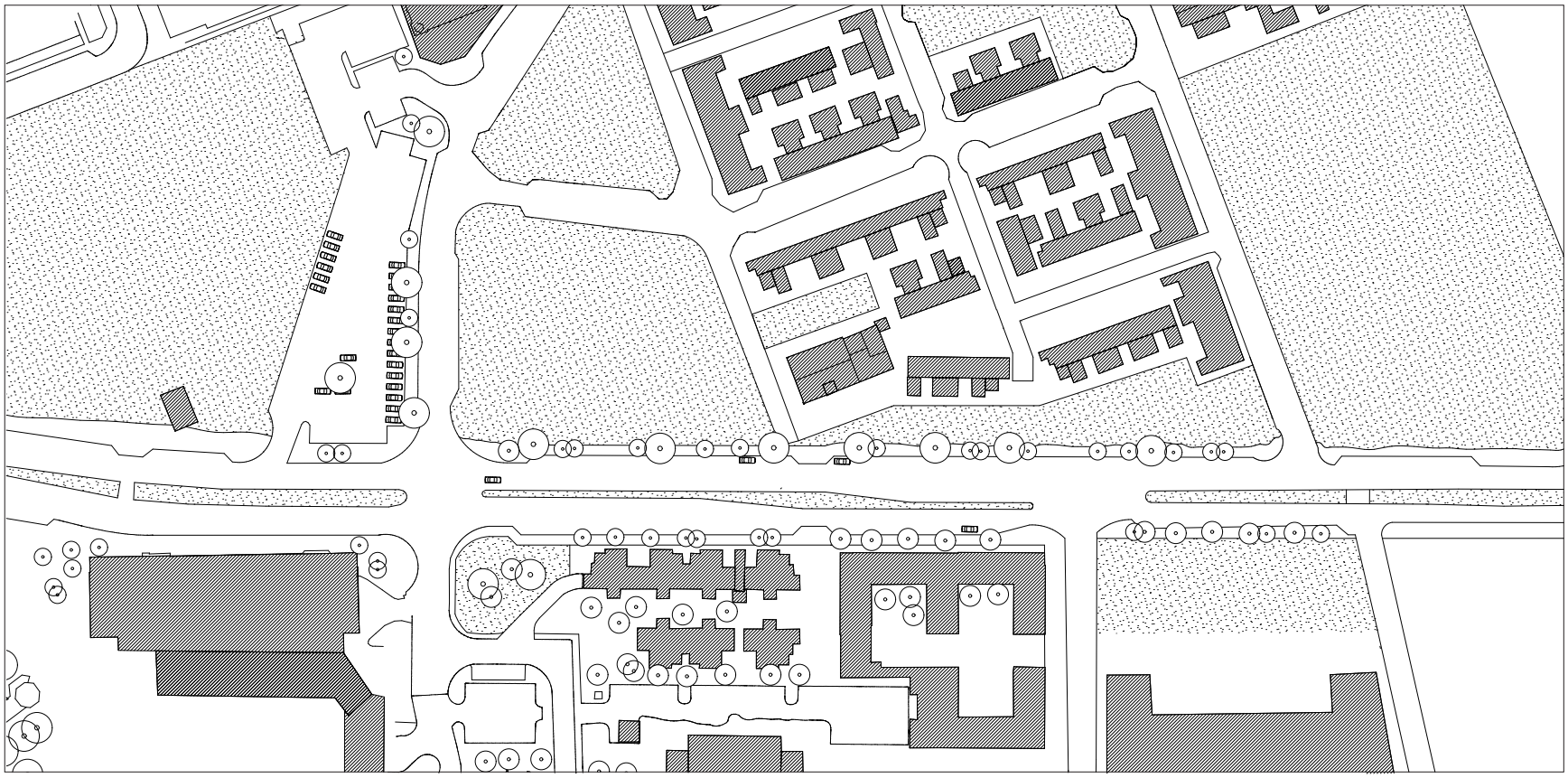


Historic principle
Mixed programme



Historic principle
Service courts and lanes





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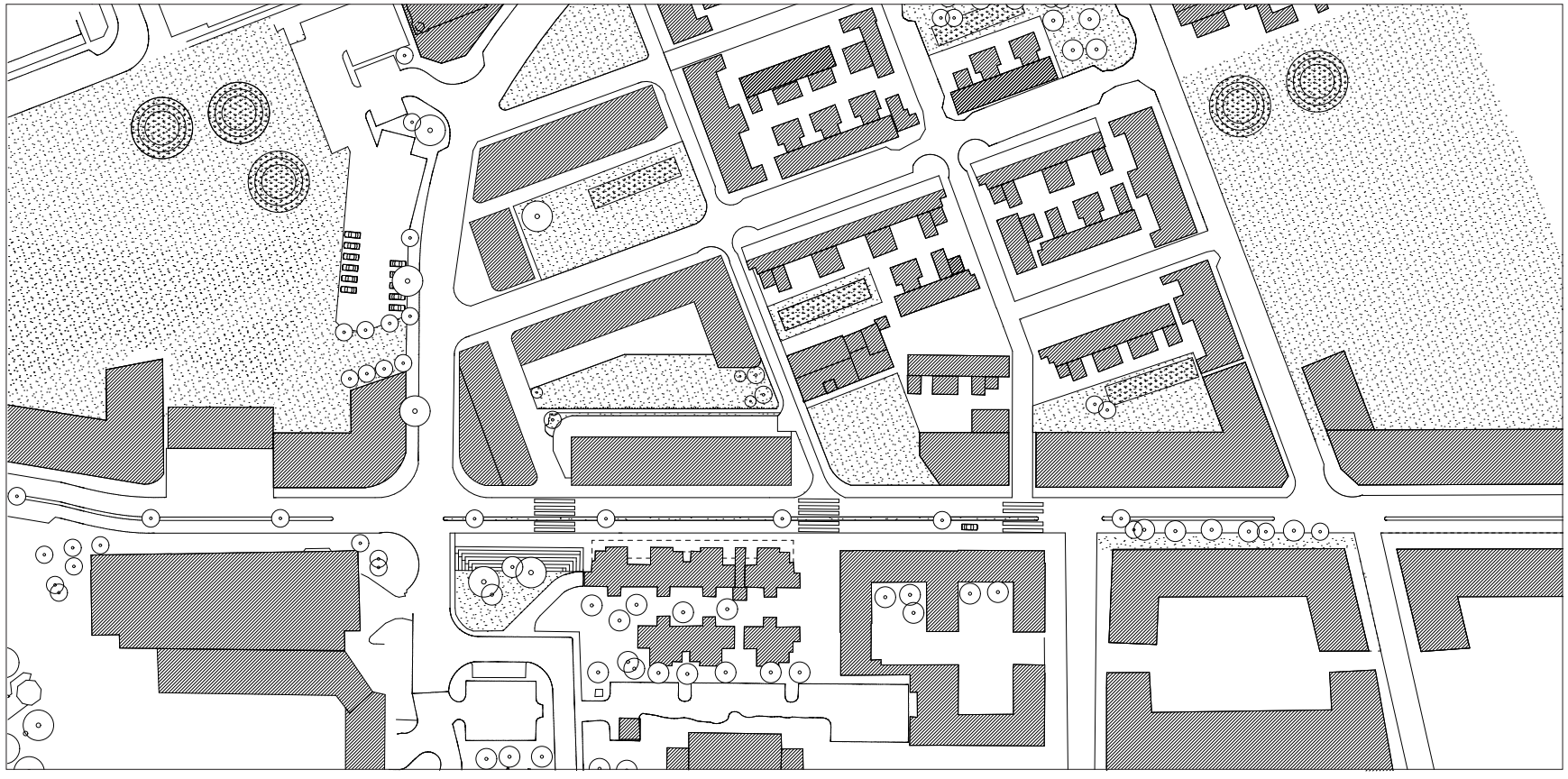
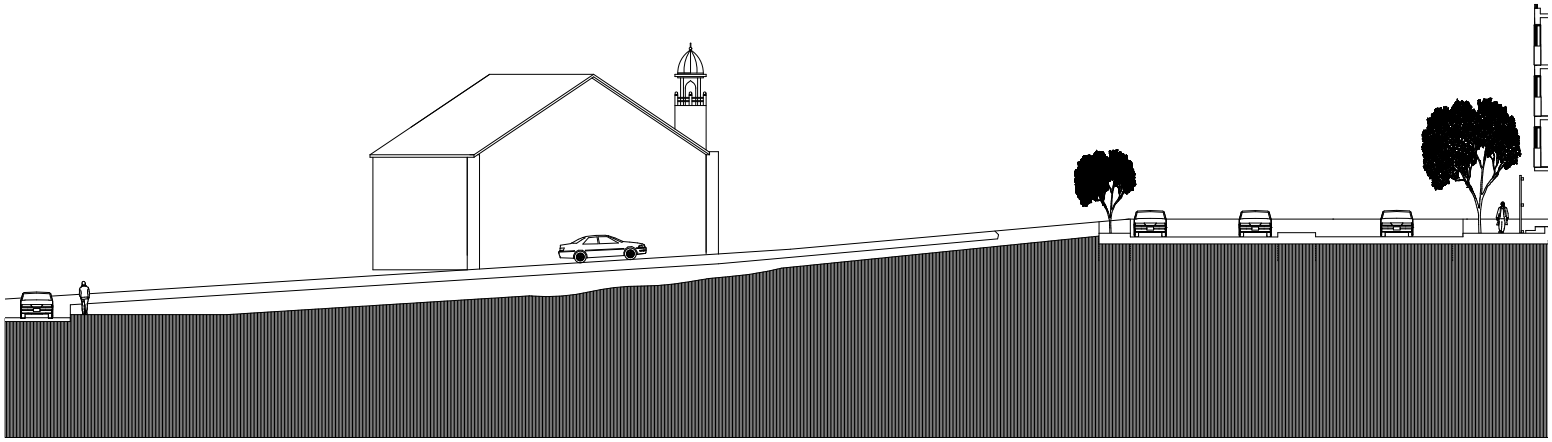
Urban street strategy: Existing site plan



Urban street strategy: Proposal for hierarchy of streets

Scale 1:1000

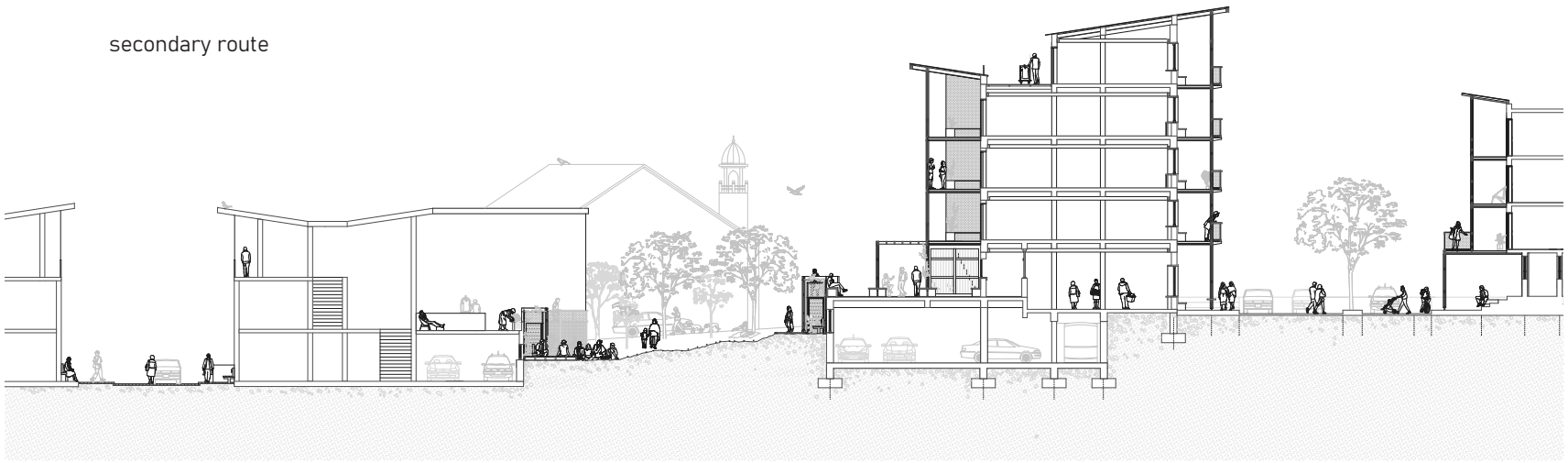
0 10 20 40m



Urban street strategy: Existing site section

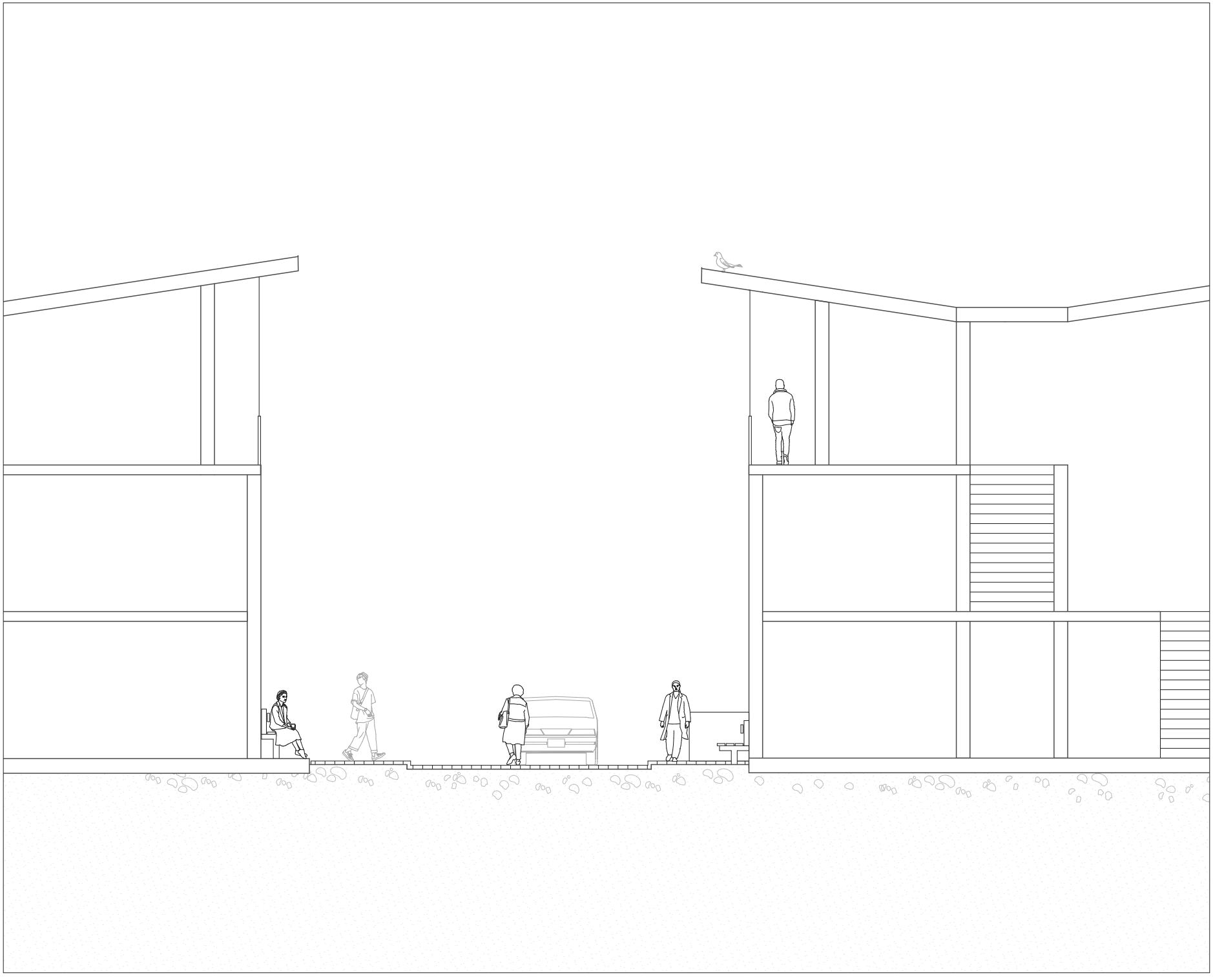
primary route

courtyard



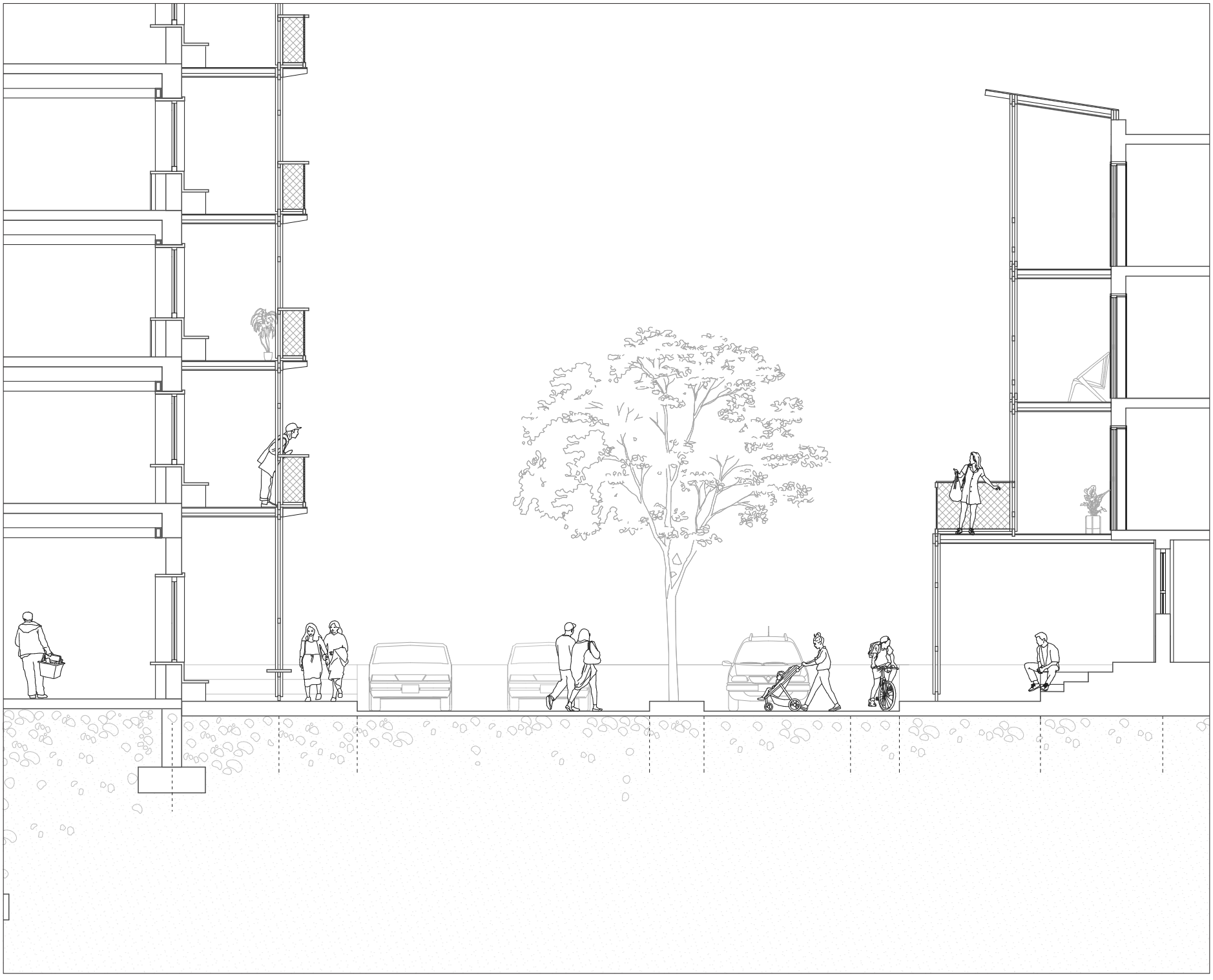
secondary route

Urban street strategy: Proposal for hierarchy of streets



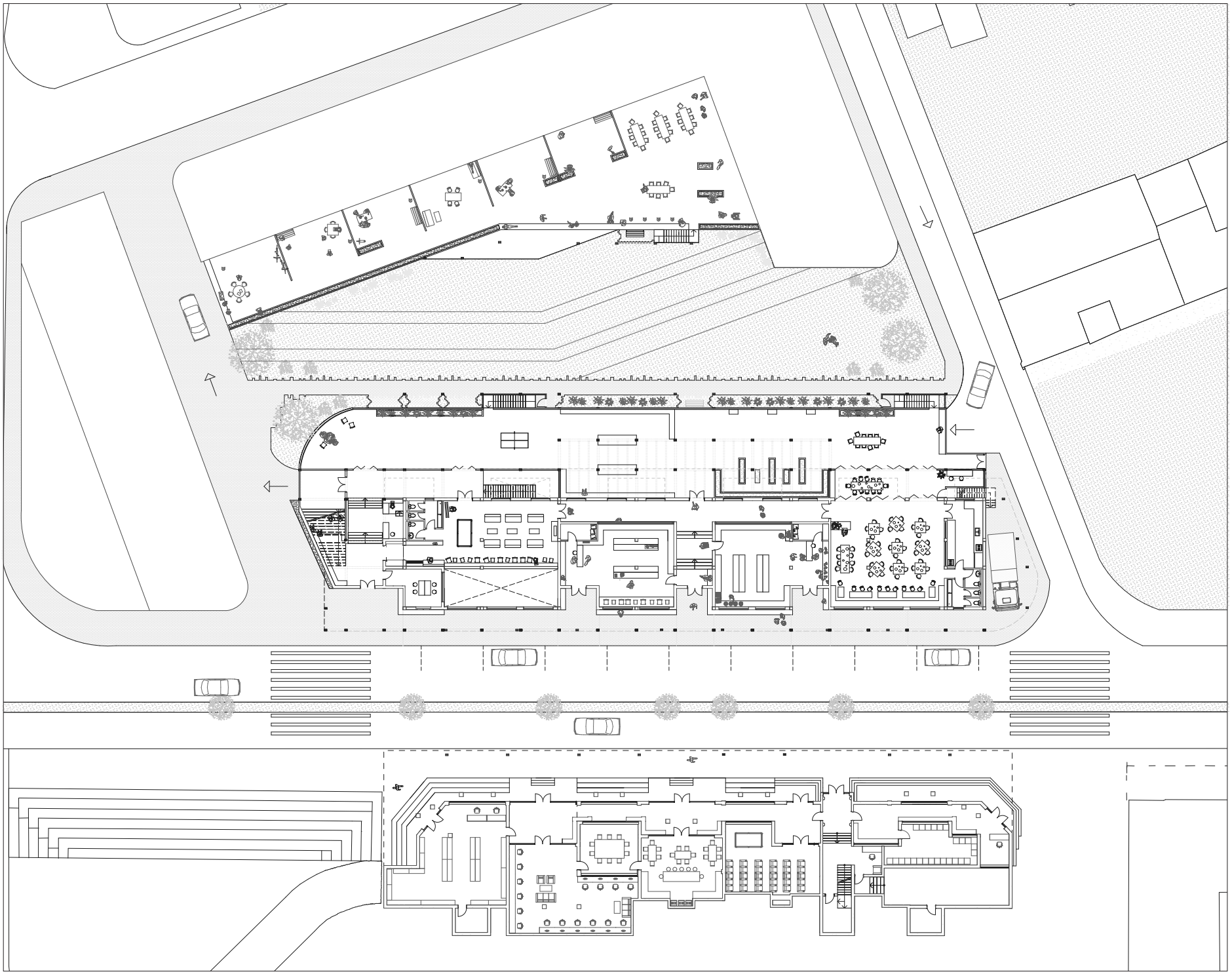
Urban street strategy: Secondary route

Urban street strategy: Courtyard



Urban street strategy: Primary route

Urban street strategy: Courtyards open for organic movement



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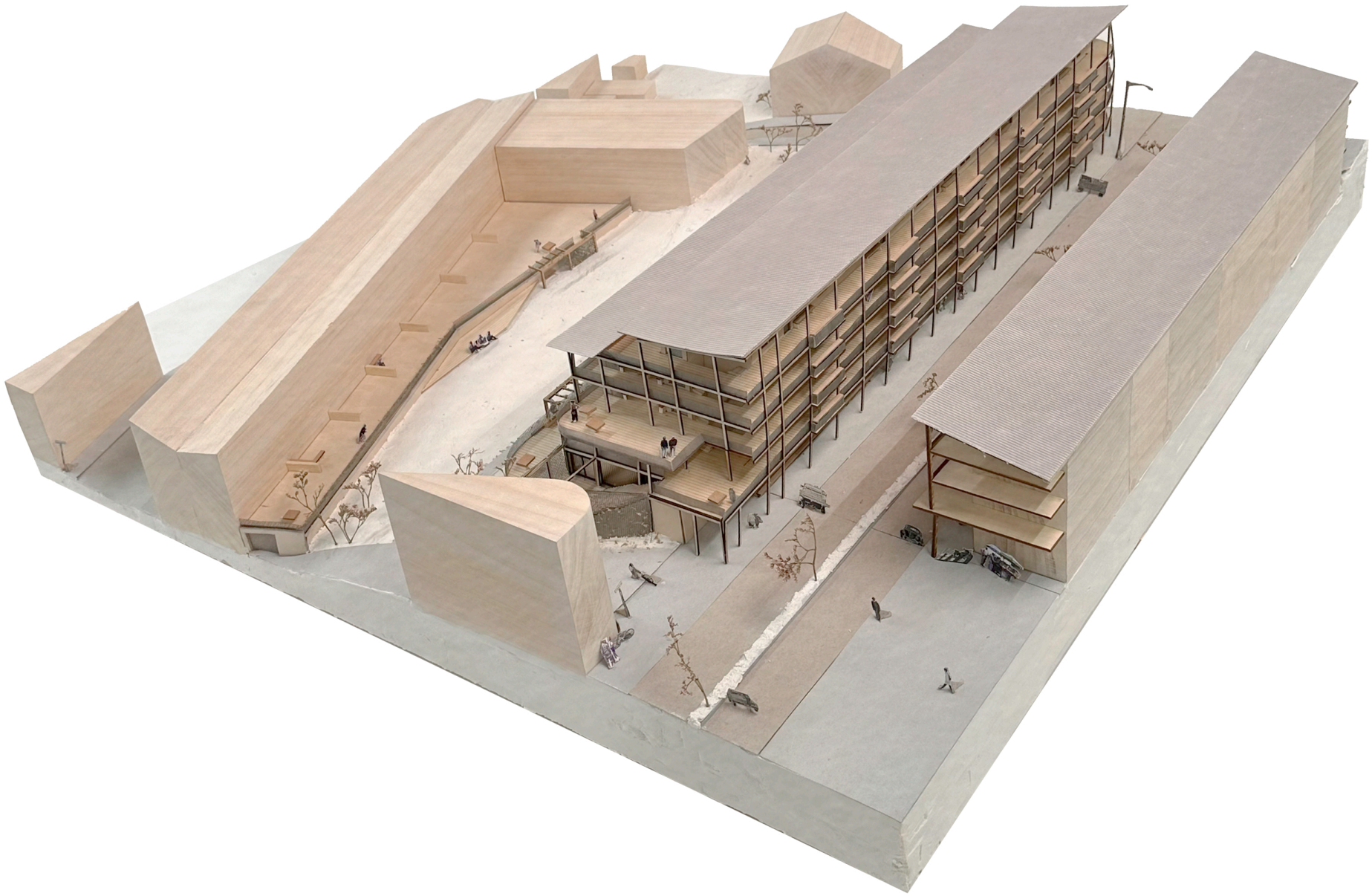
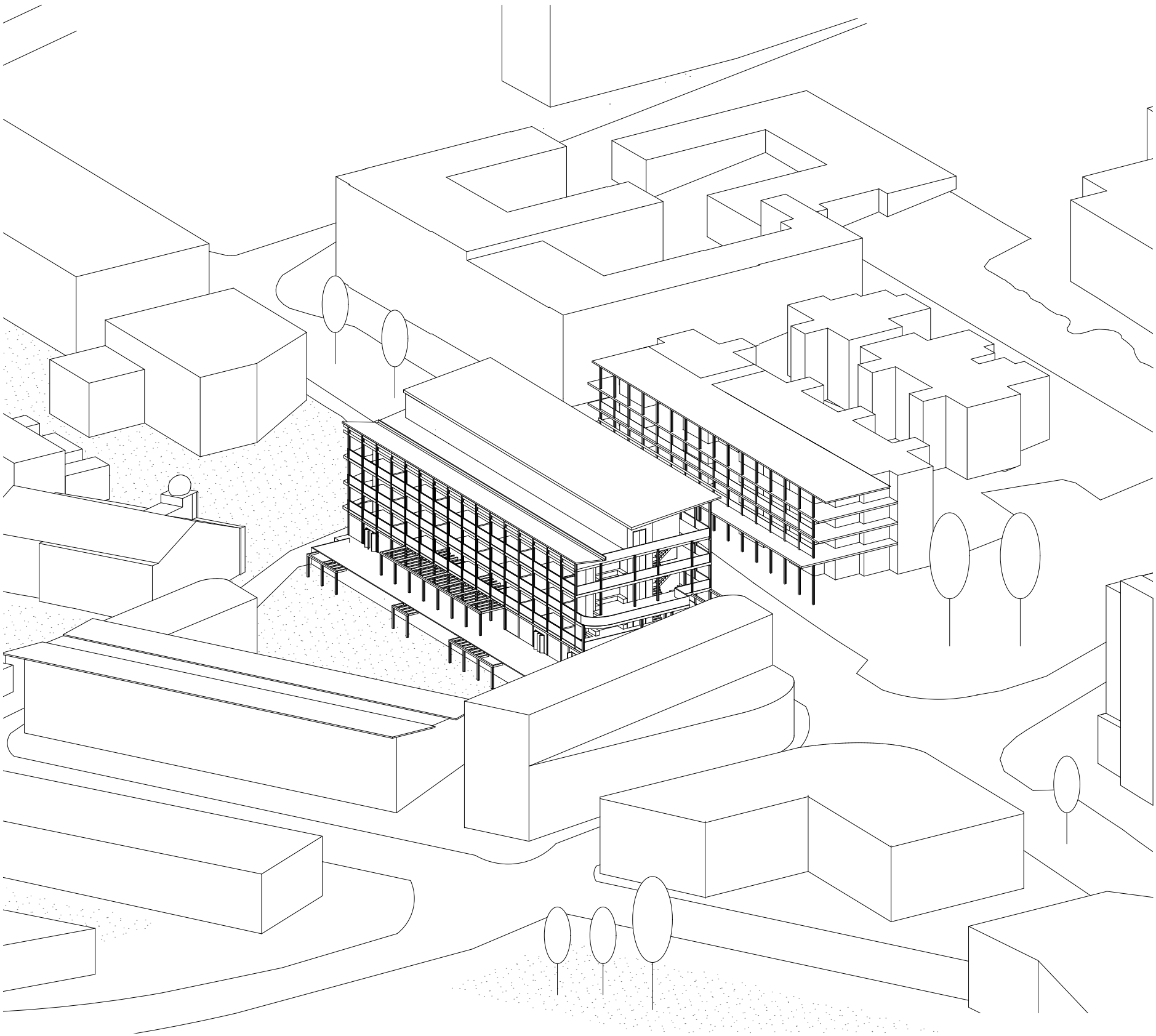
Site plan

Scale 1:500

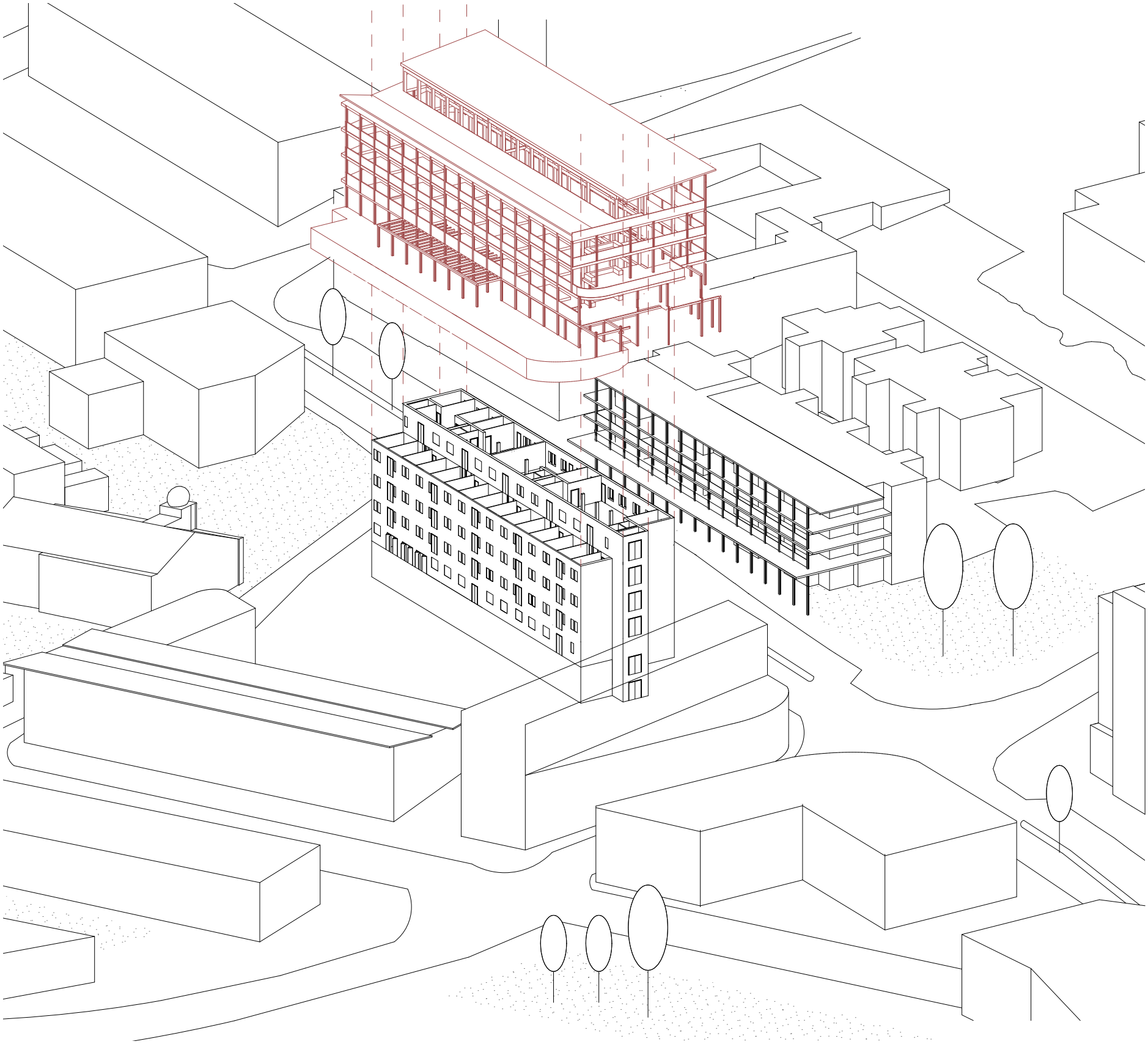
0 5 10 20m



Model 1:100



Building as threshold



Deck language as threshold

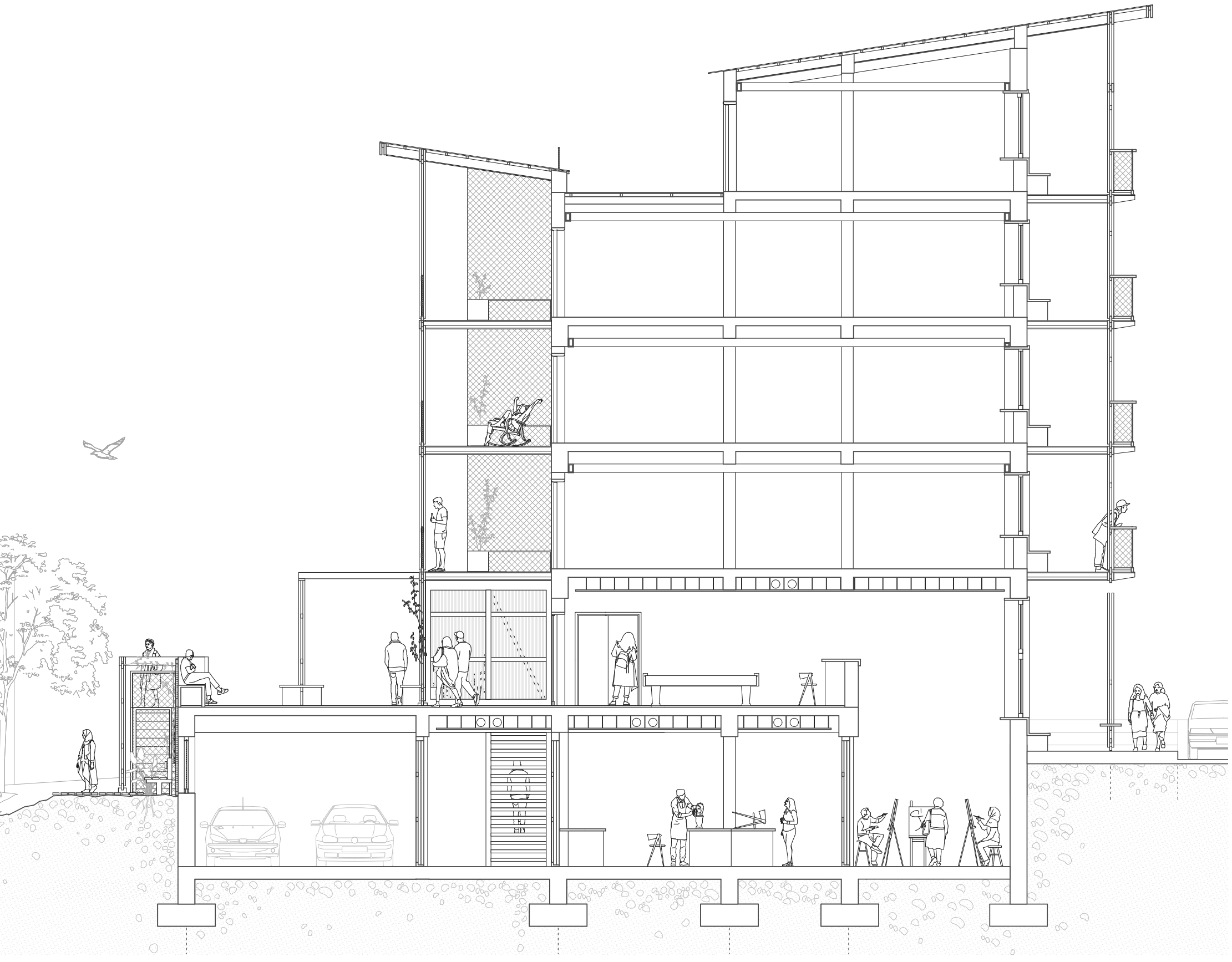
Making streets with a deck language

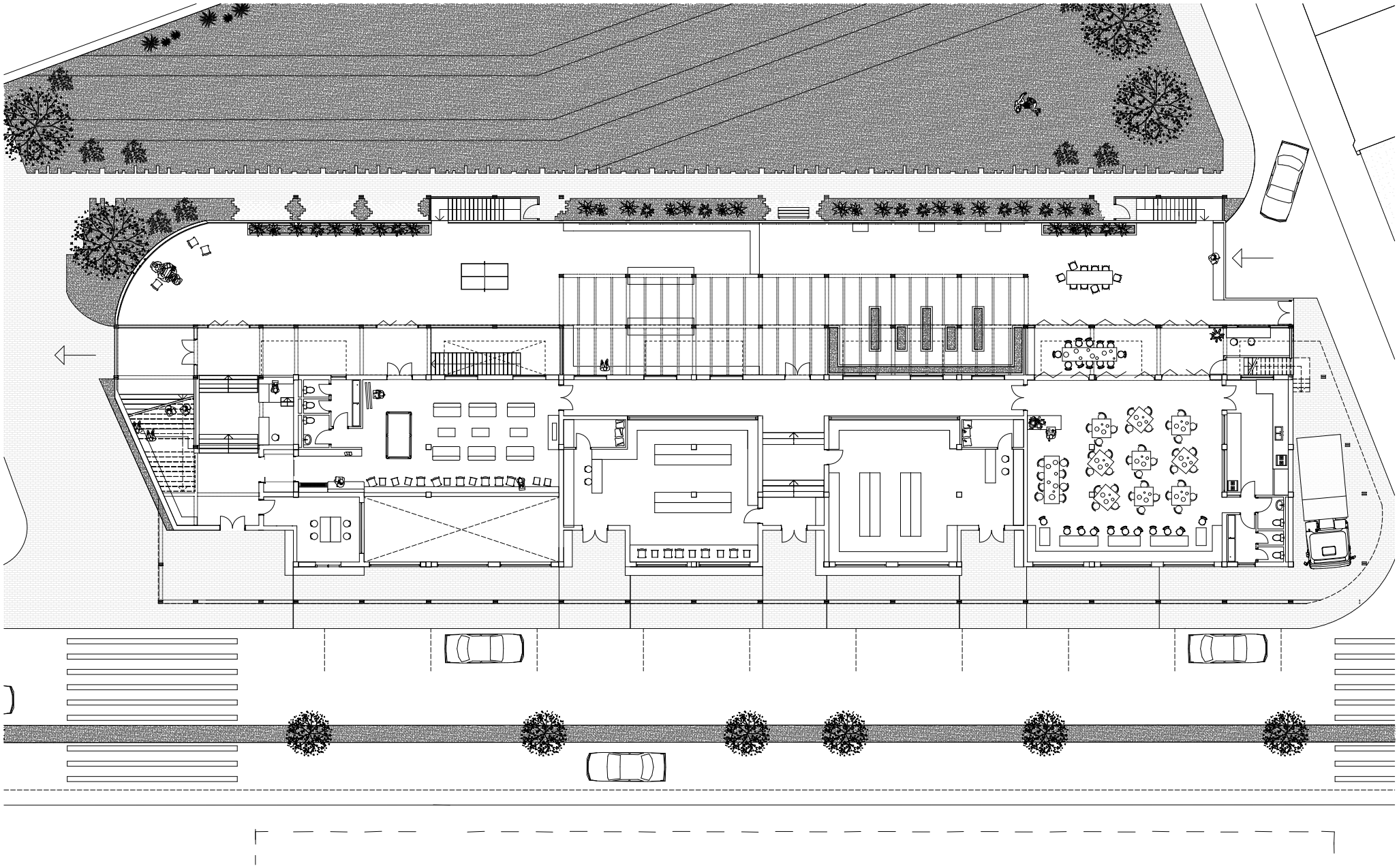
Historic reference

Section through basement workshop

Scale 1:100

0 1 2 4





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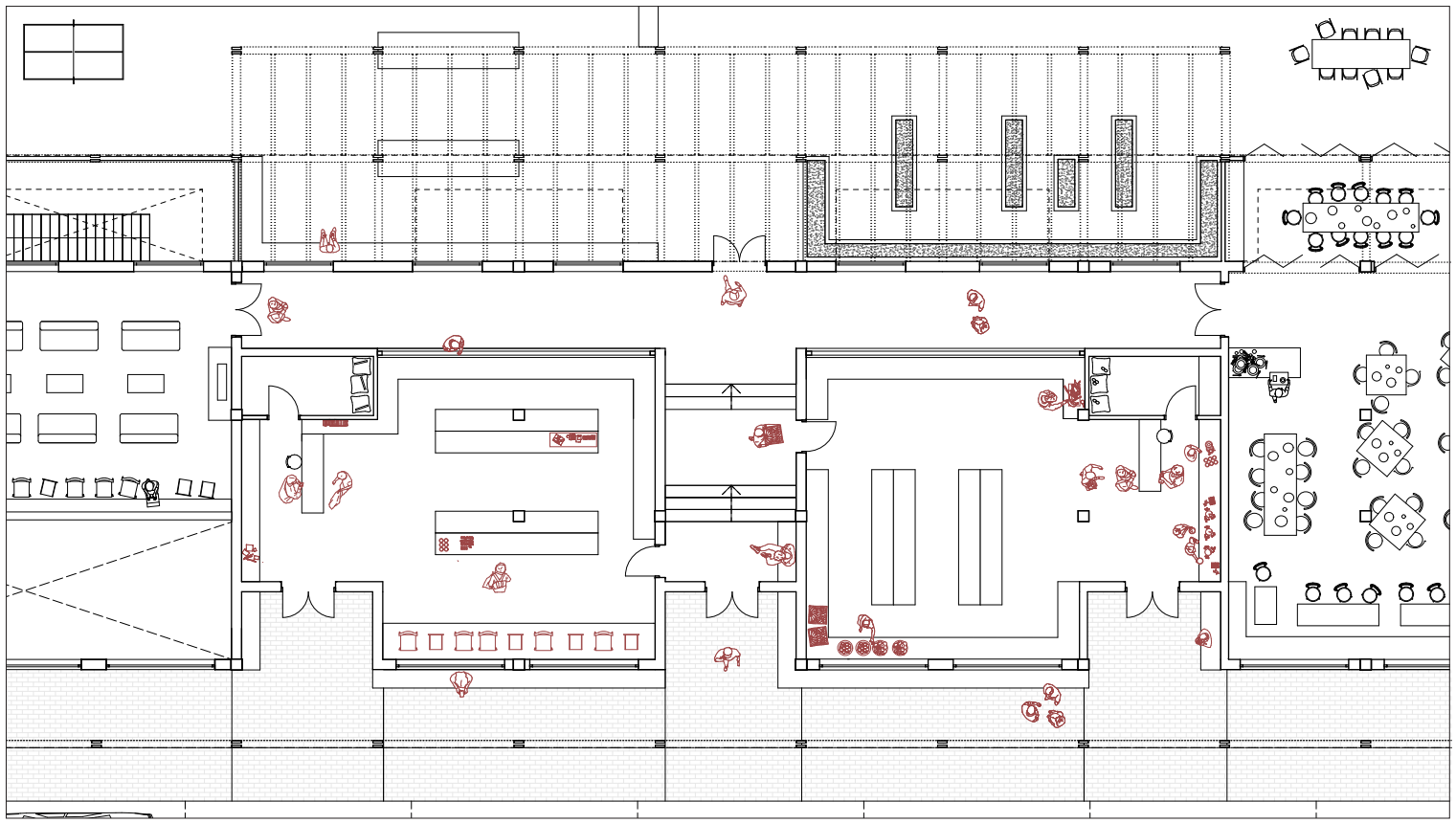
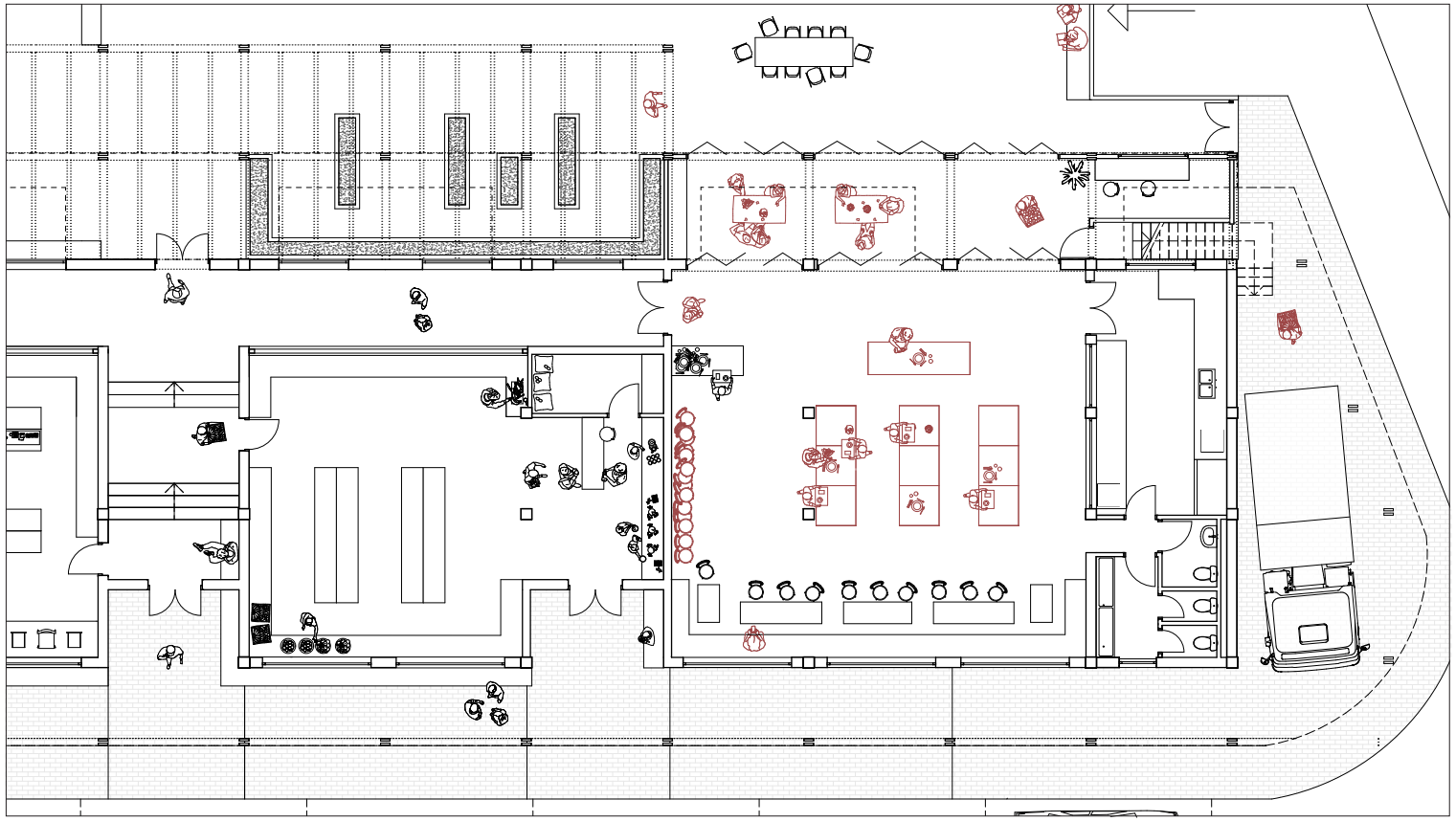
Scale 1:300

0 3 6 12

Ground floor plan



Ground floor plan: Commercial interior

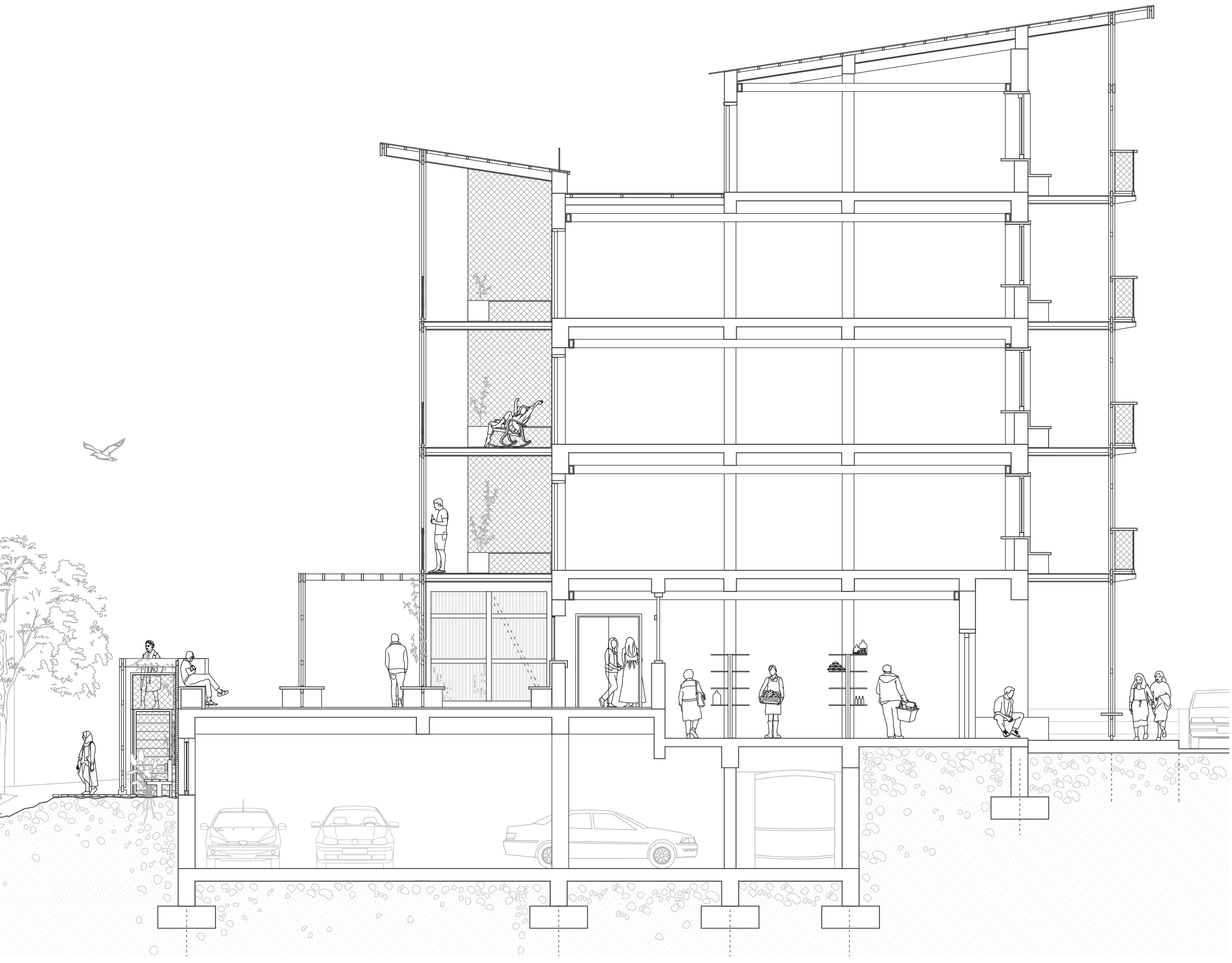


Ground floor plan: Flexible community kitchen

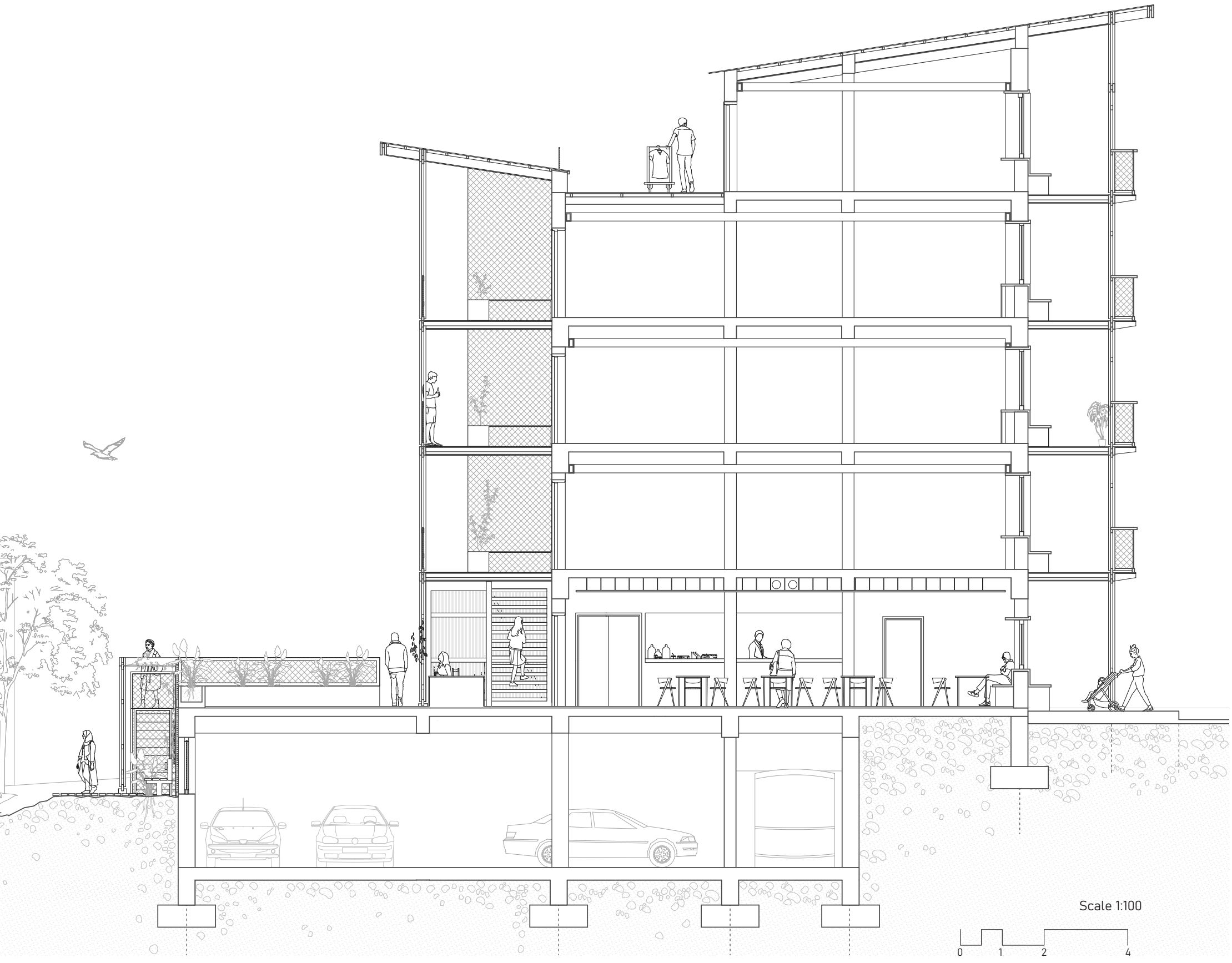
Scale 1:200

0 2 4 8

Section through commercial units

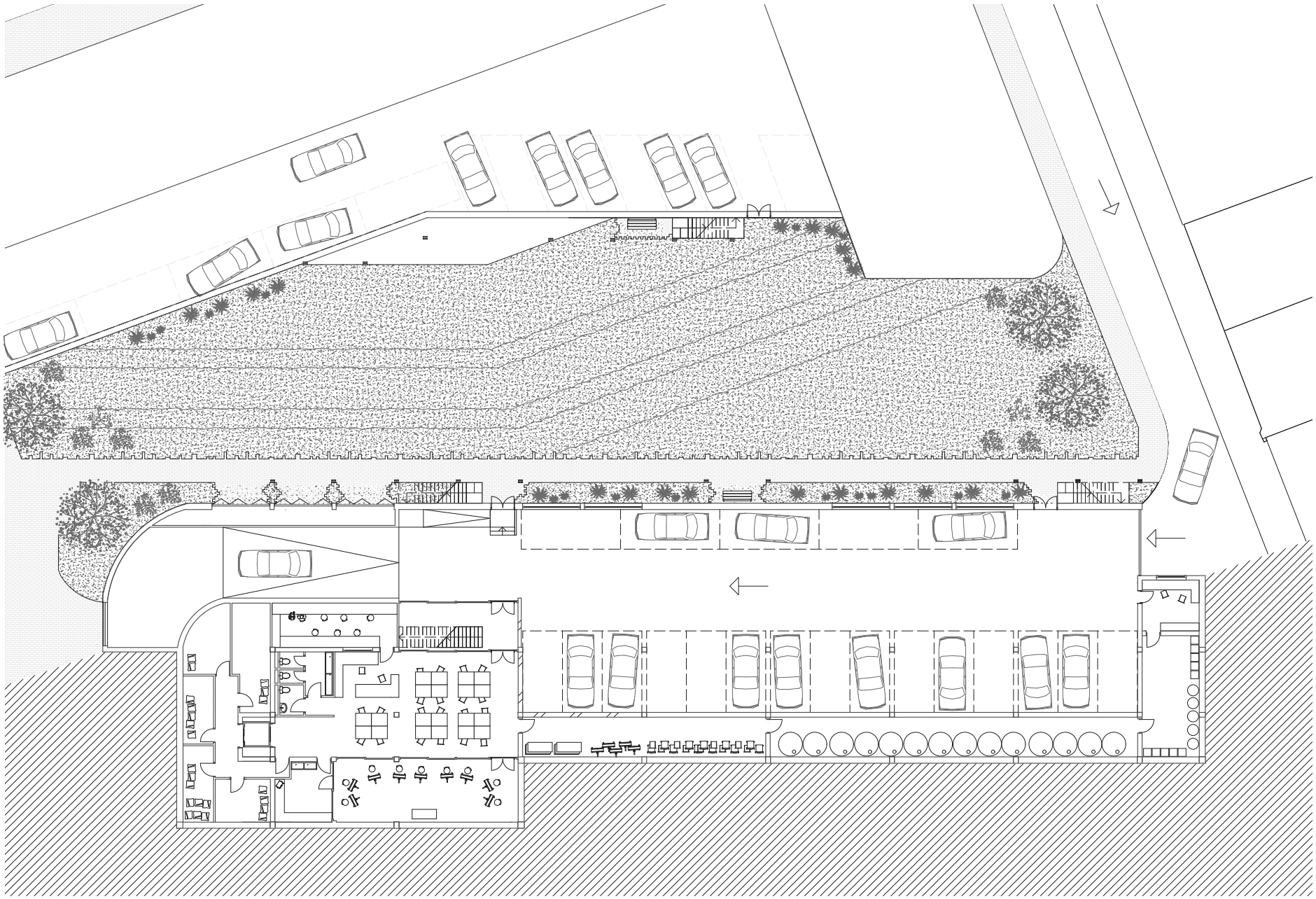


Section through community kitchen



View: Community kitchen

View: Public deck



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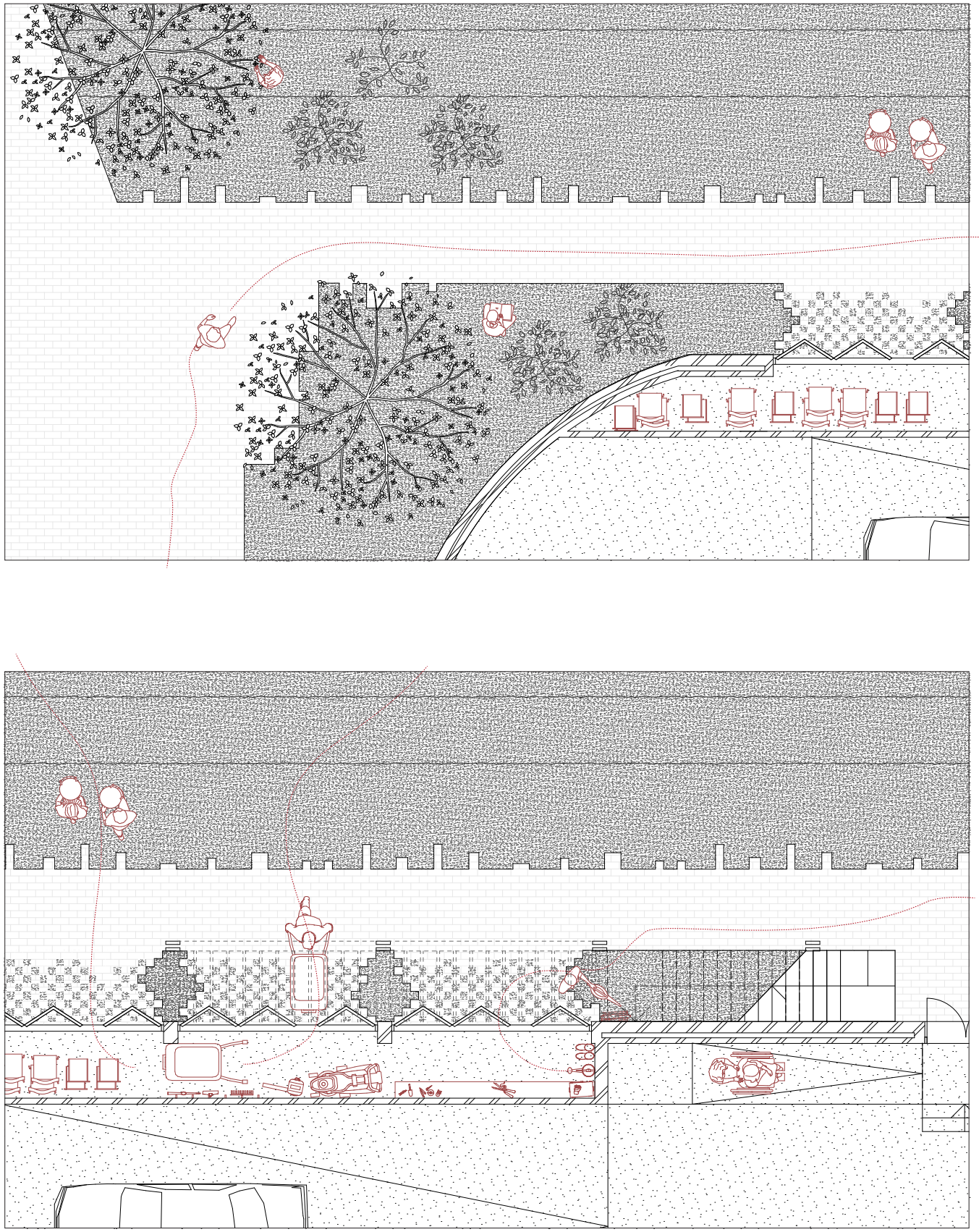
Basement floor plan

Scale 1:300

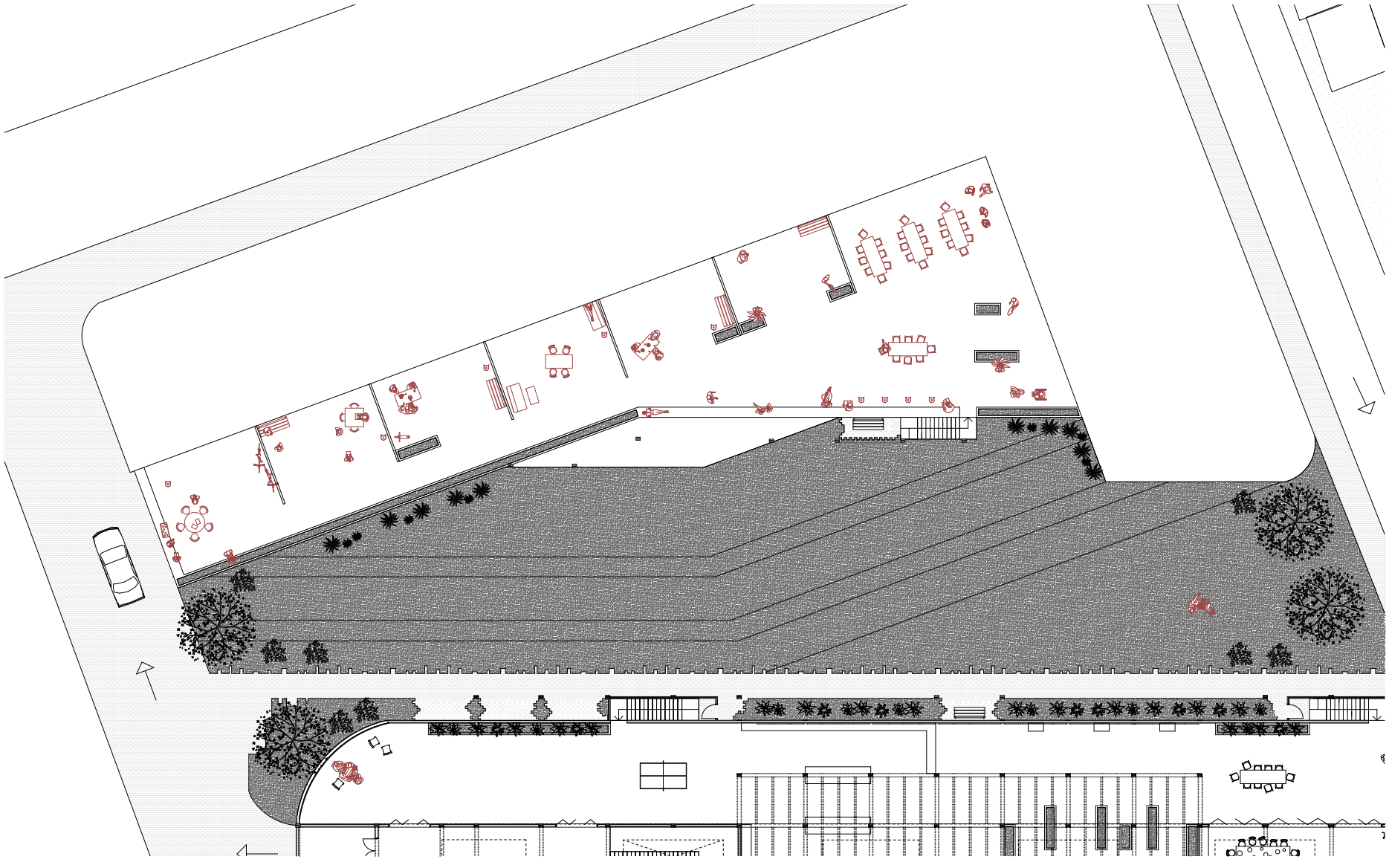
0 3 6 12



Basement floor plan: Inhabited threshold to the courtyard

Scale 1:100

0 1 2 4



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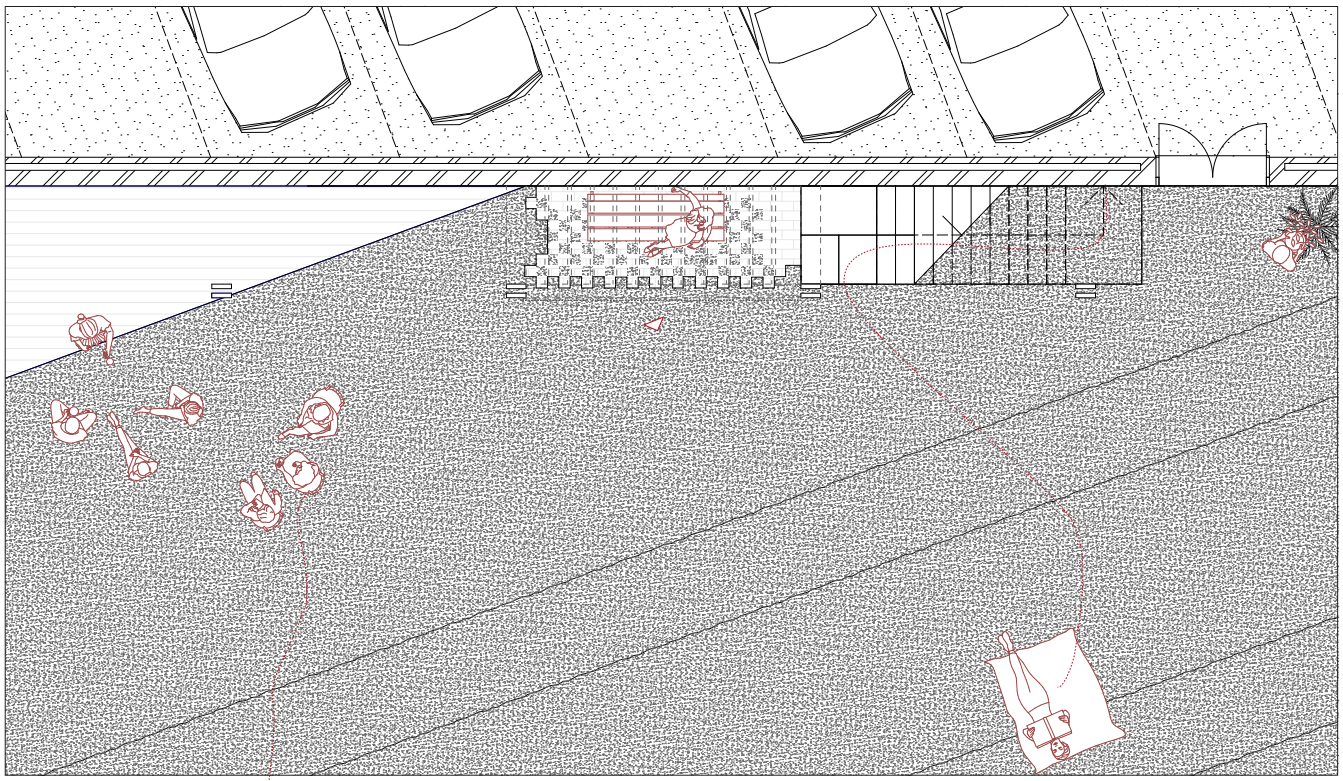
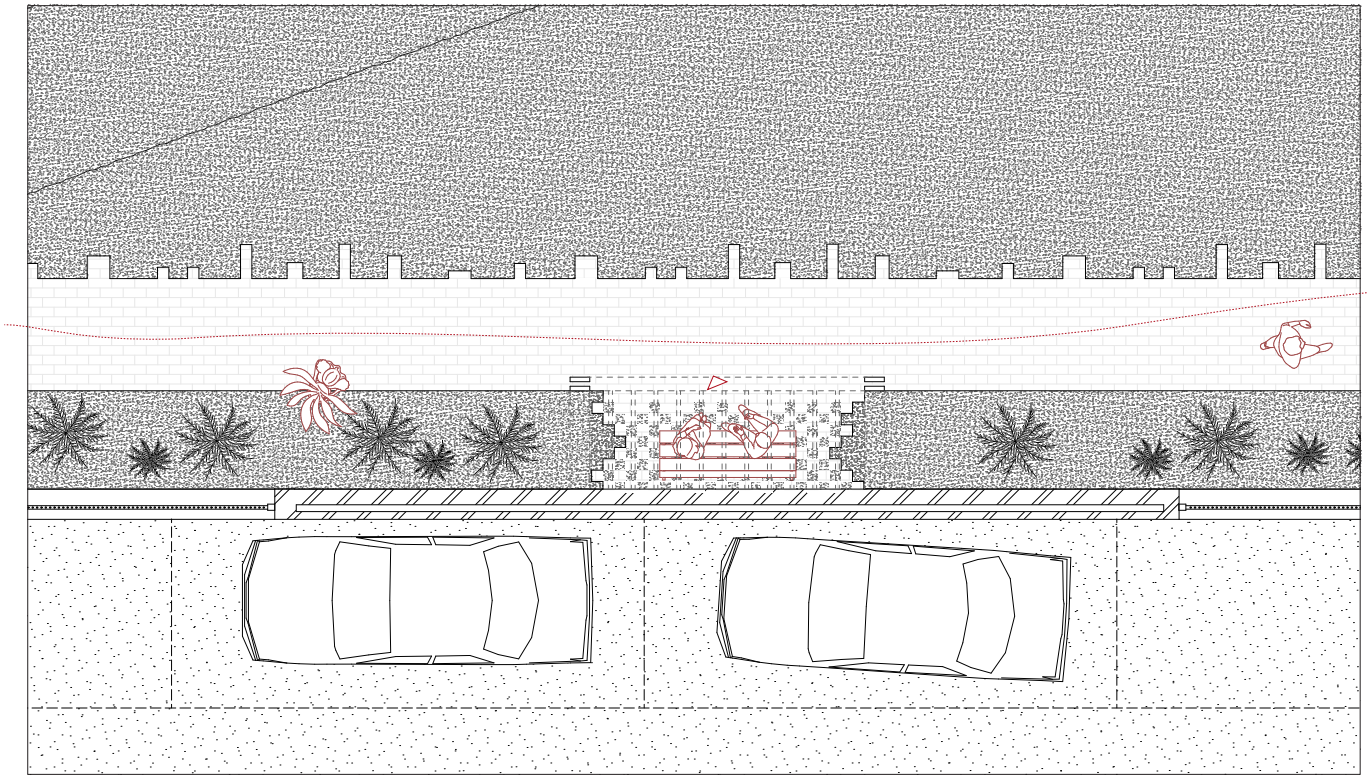
Scale 1:300

0 3 6 12

Urban rules for a neighbouring deck



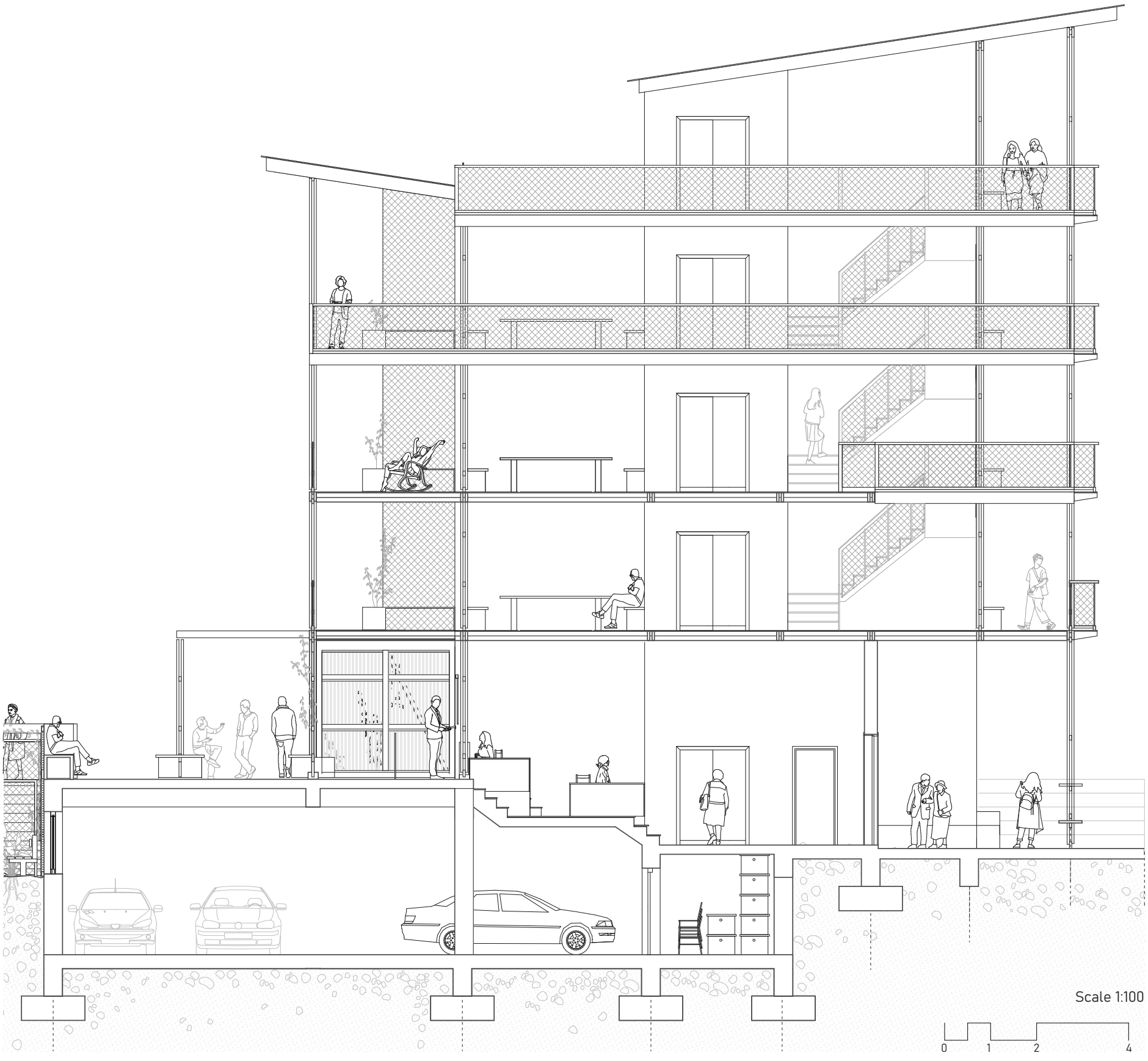


Scale 1:100

A garden in conversation: Benches to remember the lost streets

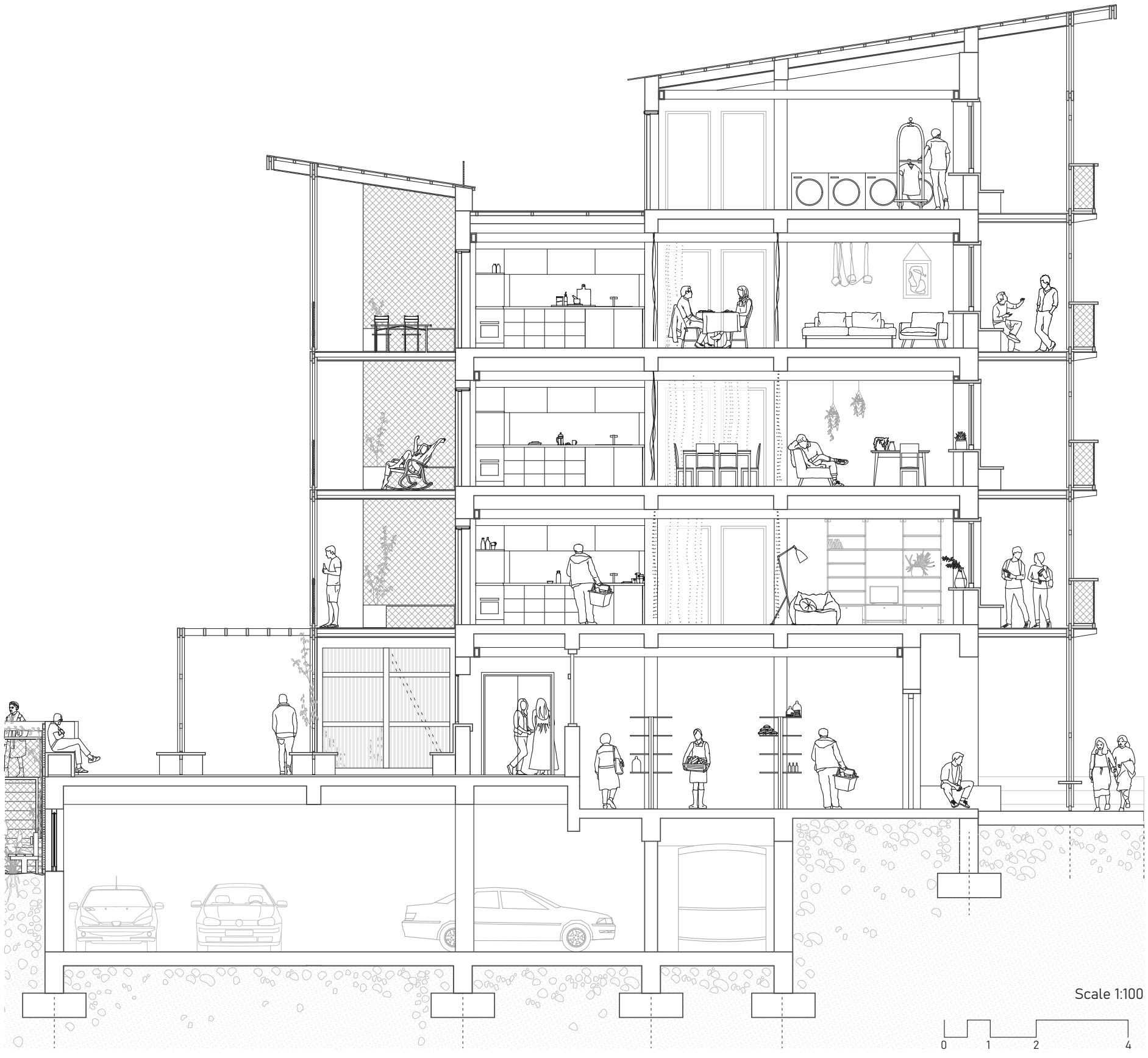
0 1 2 4

Section: Dignifying securitization

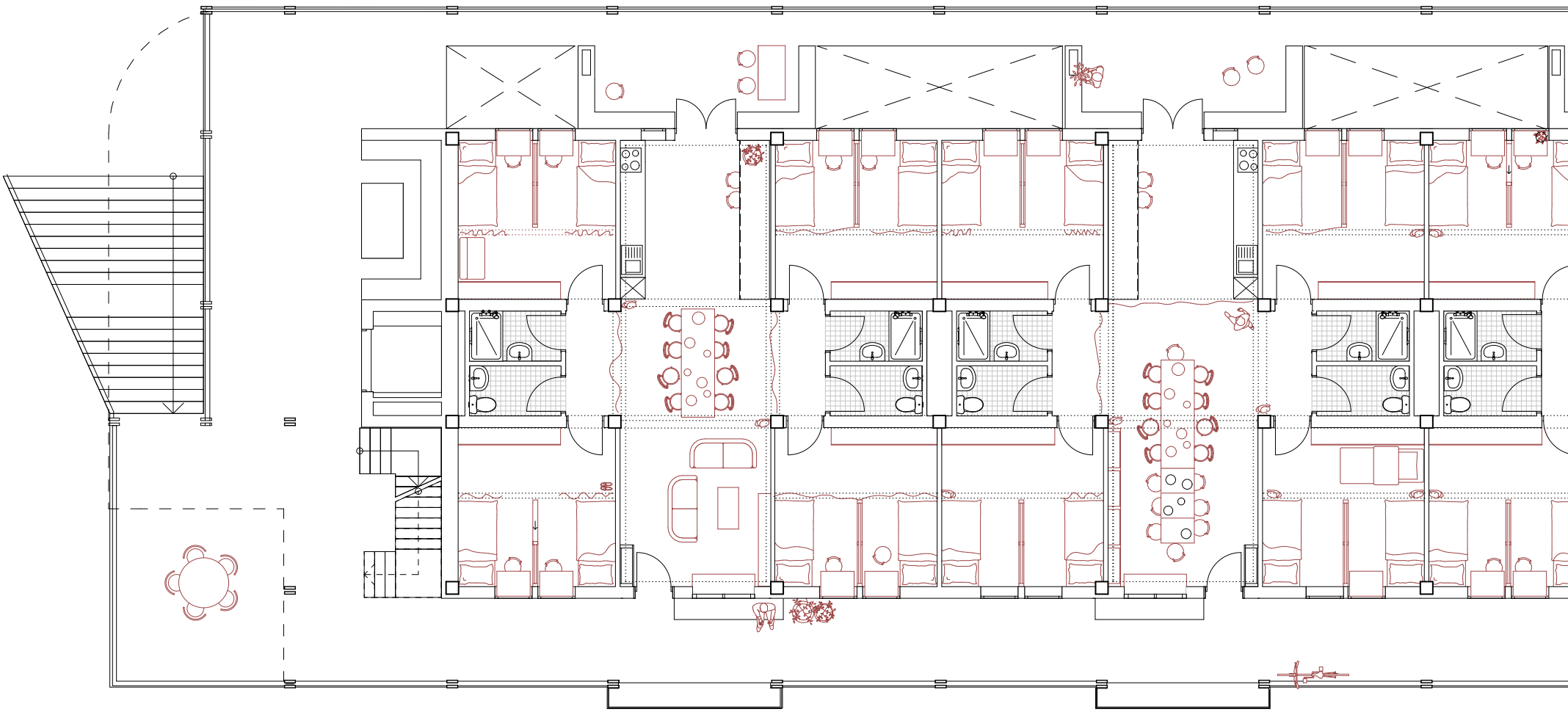


View: Dignifying securitization

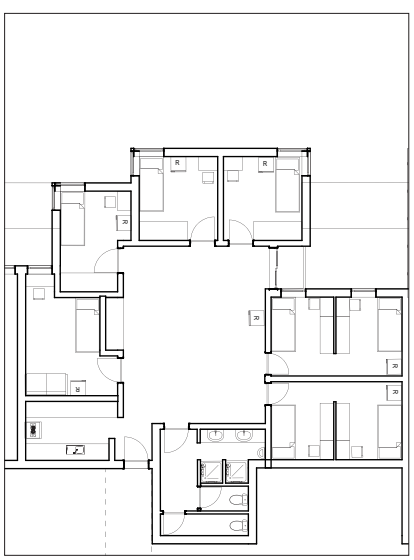
Section: Dignifying securitization



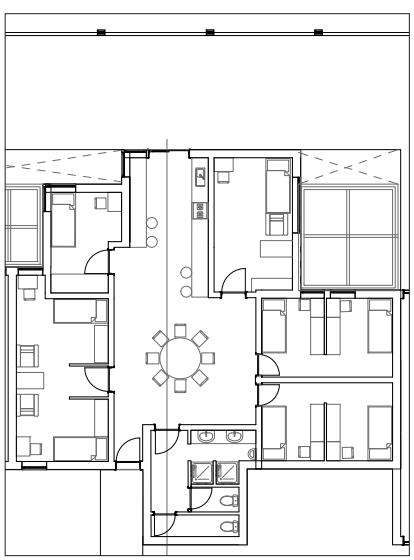
Perspective: The threshold of core and deck



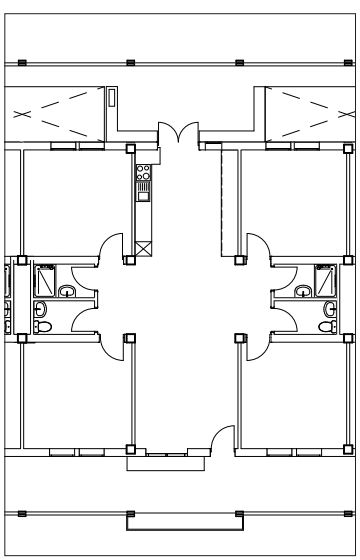
Existing Sandenburgh plan



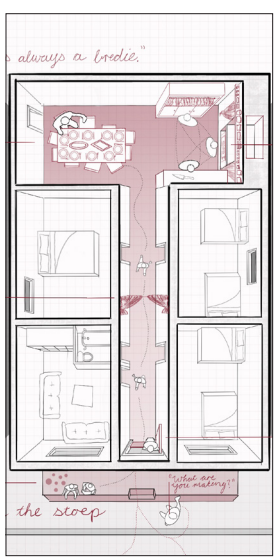
Proposed Sandenburgh plan

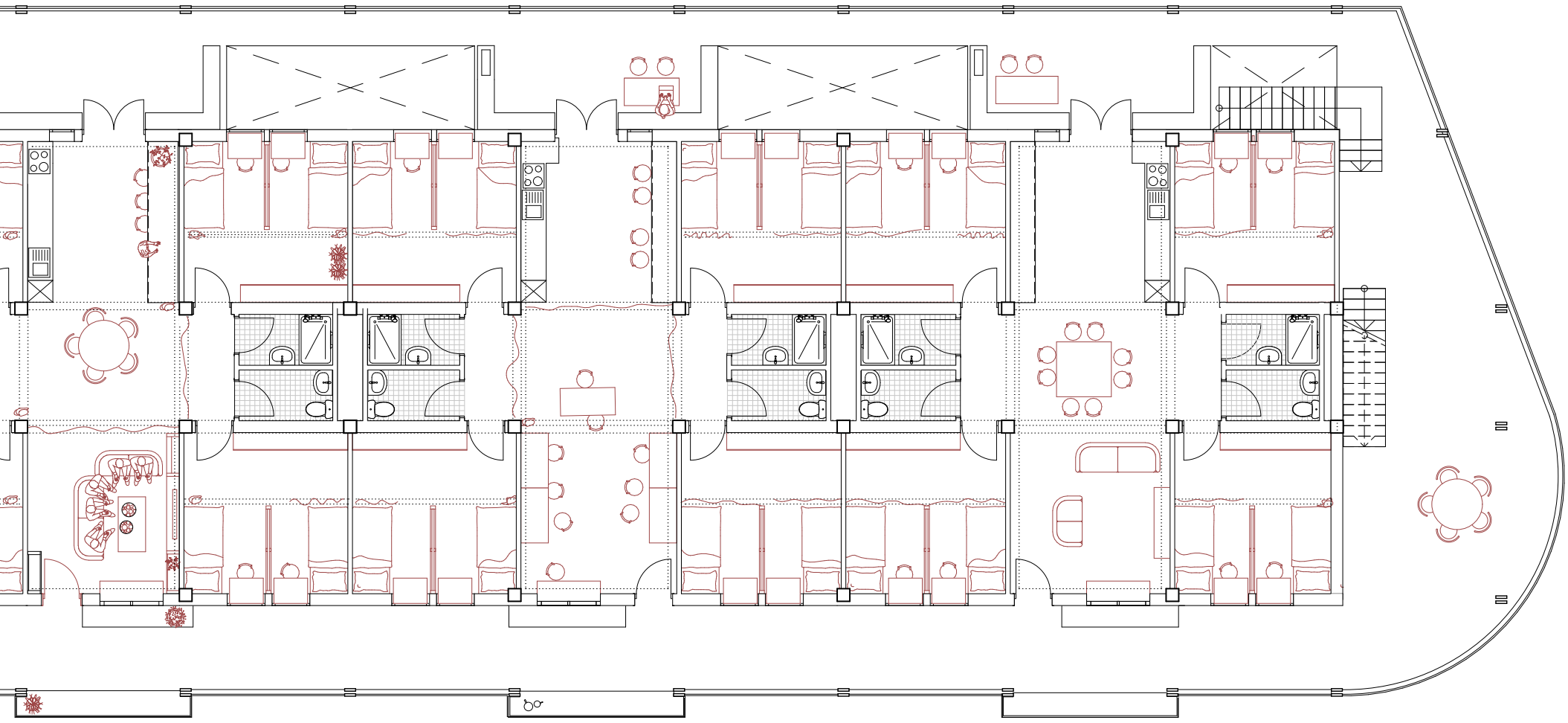


Proposed plan



Historic plan





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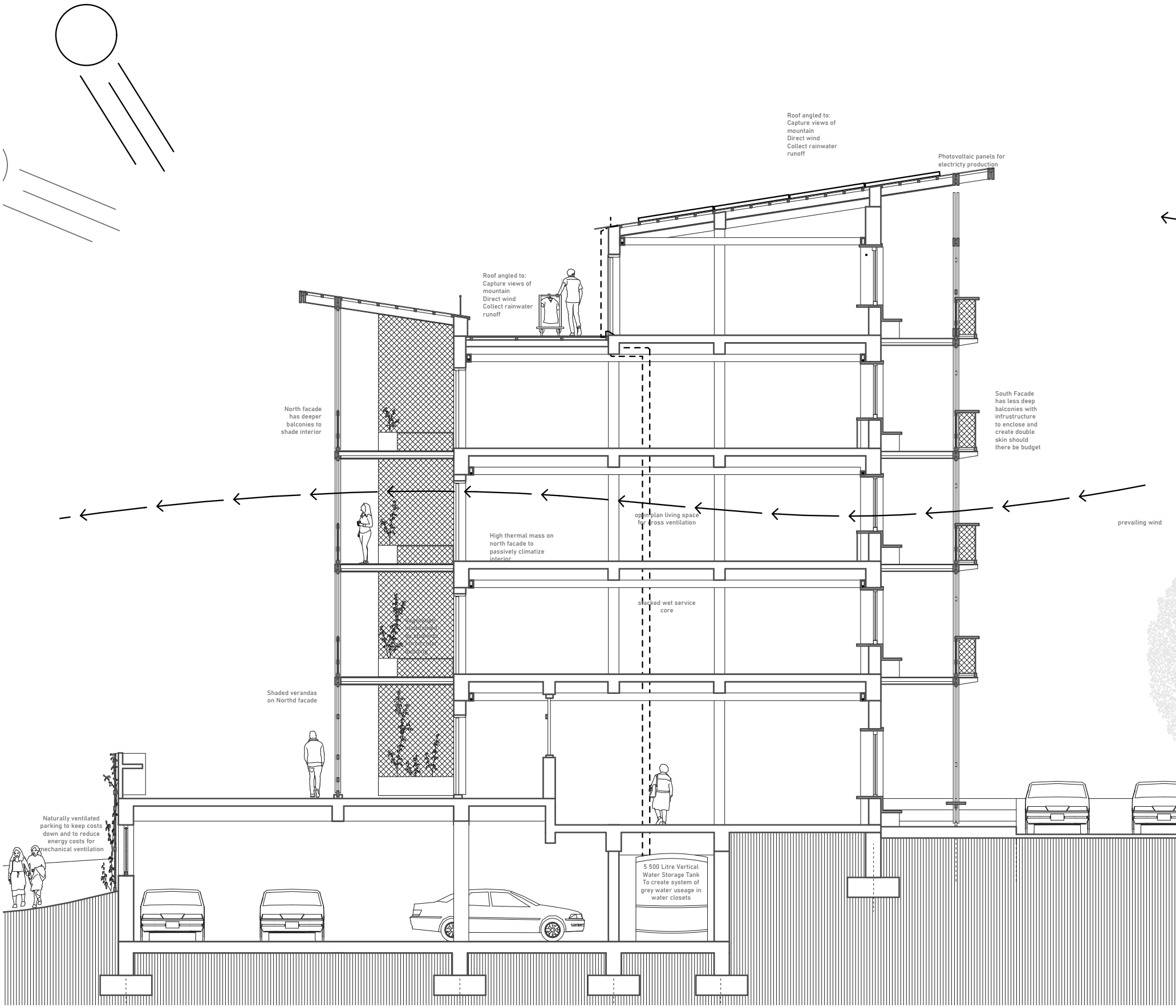
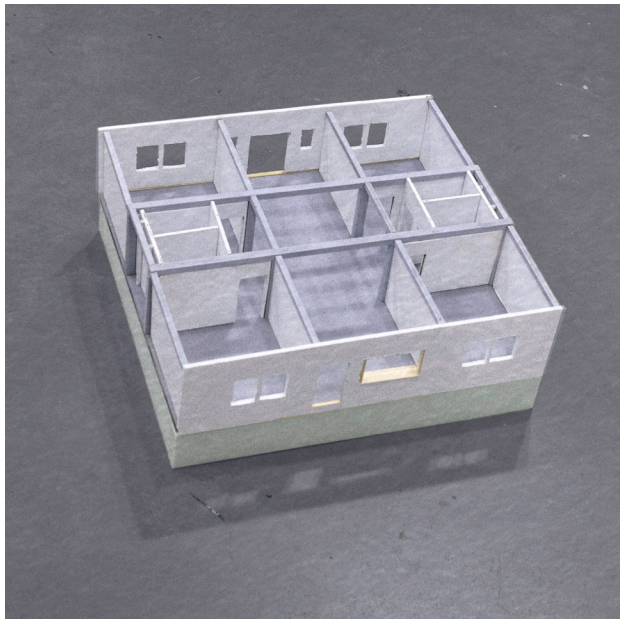
Residential floor plan: a product of analysis

Scale 1:150

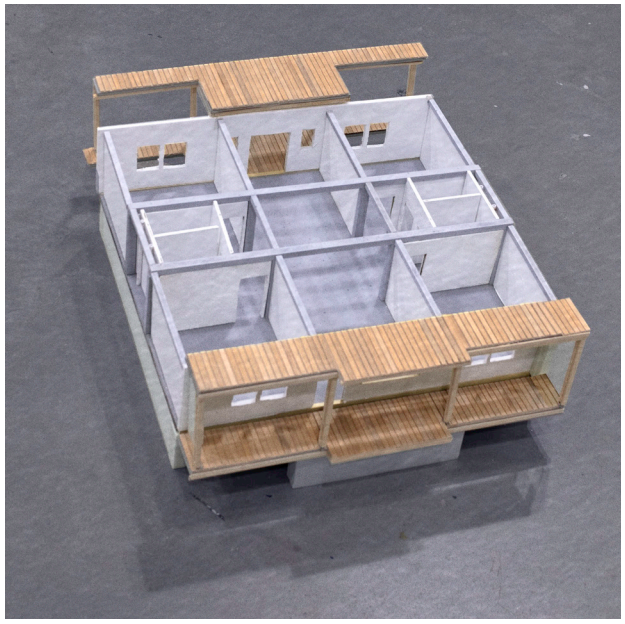
0 0,75 1,5 3



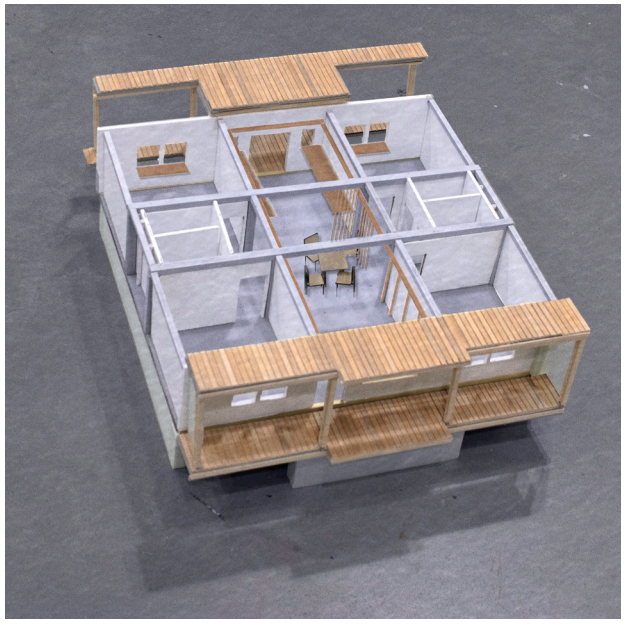
Street to court section: Passive climate strategy



The core



The skin



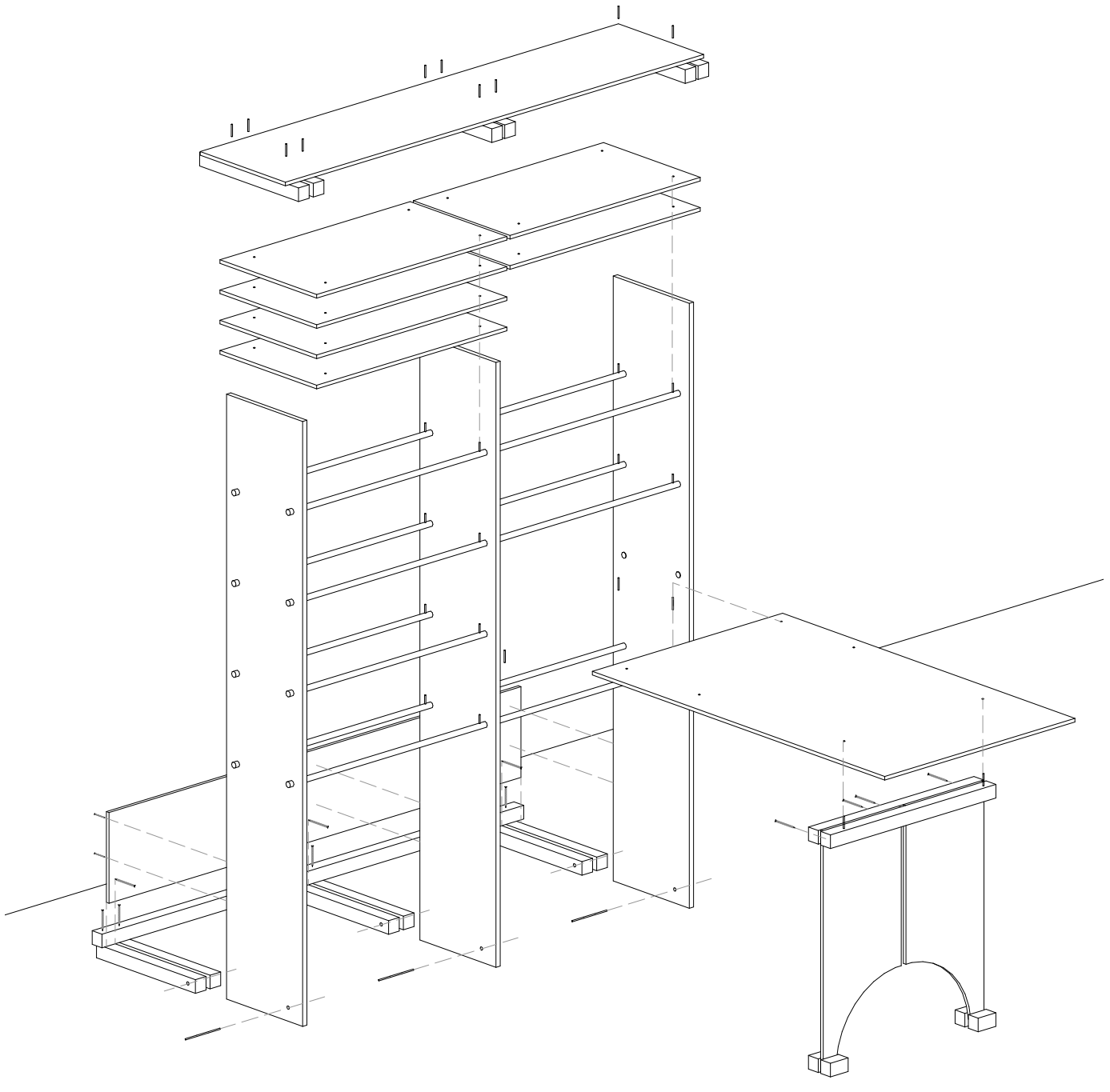
The secondary infrastructural system

Construction principle: Staged and critical of prevailing construction methodologies

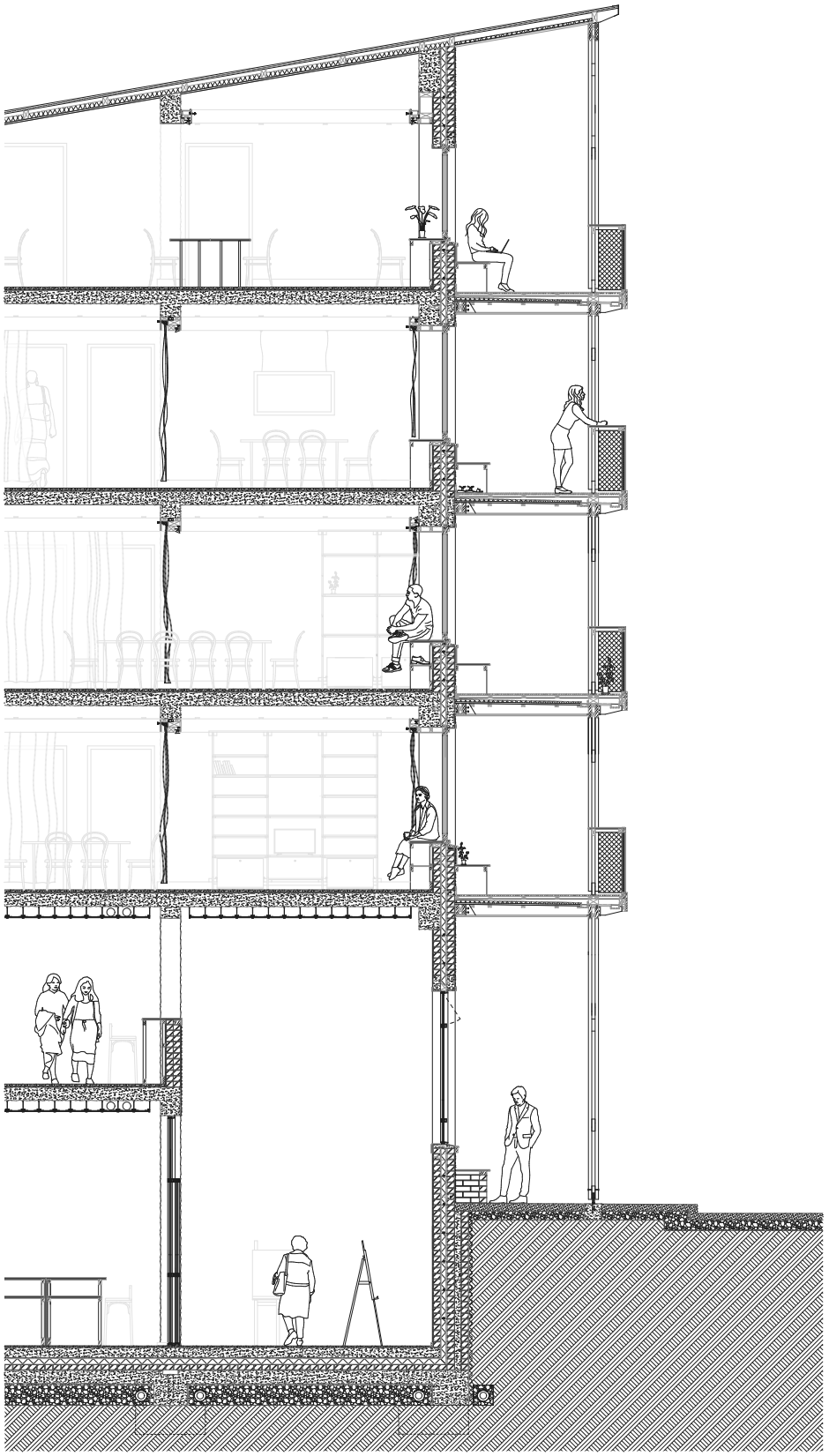
Perspective: Architecture as framework

... For appropriation

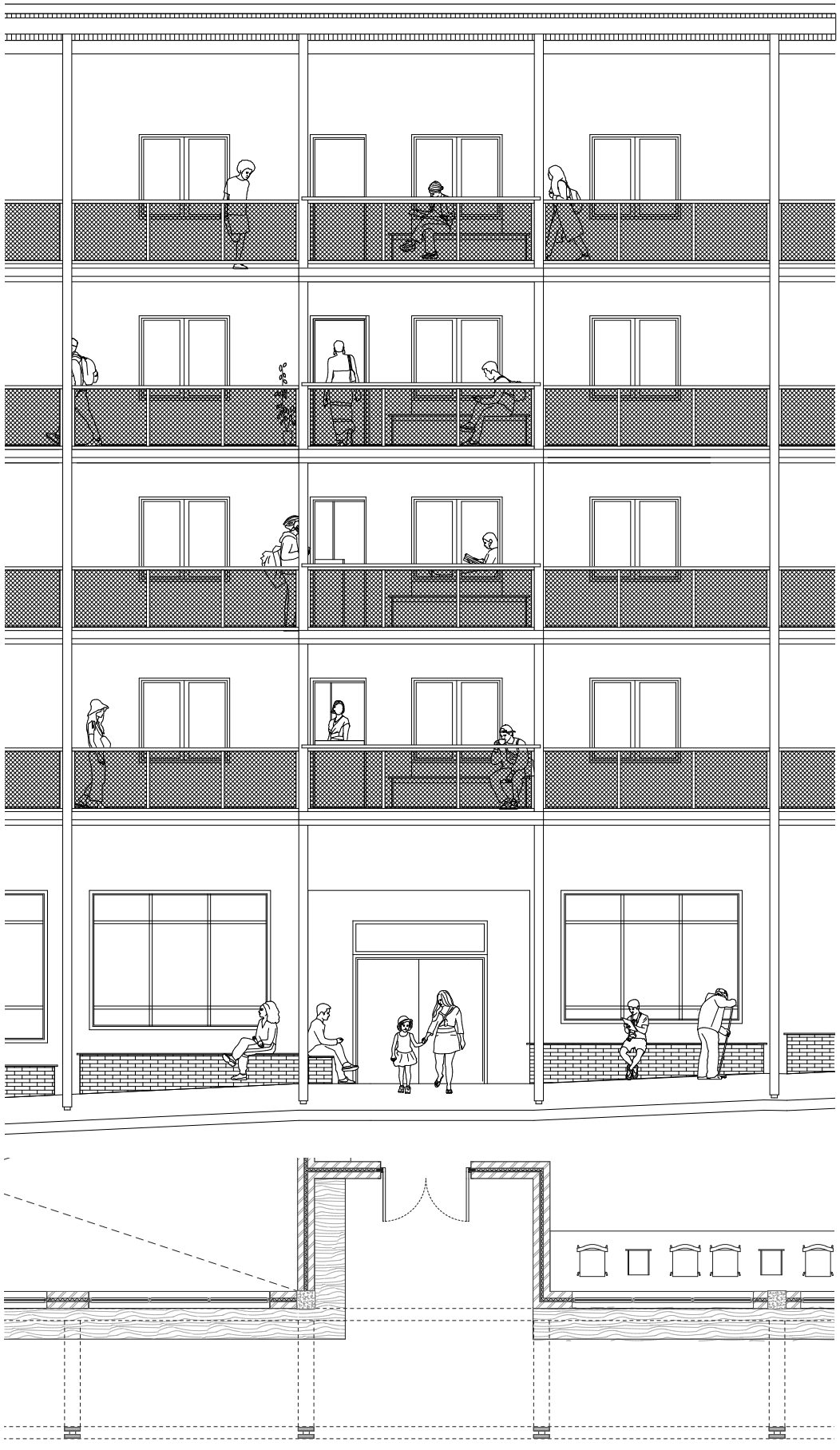
Shelf as framework: For meeting and learning

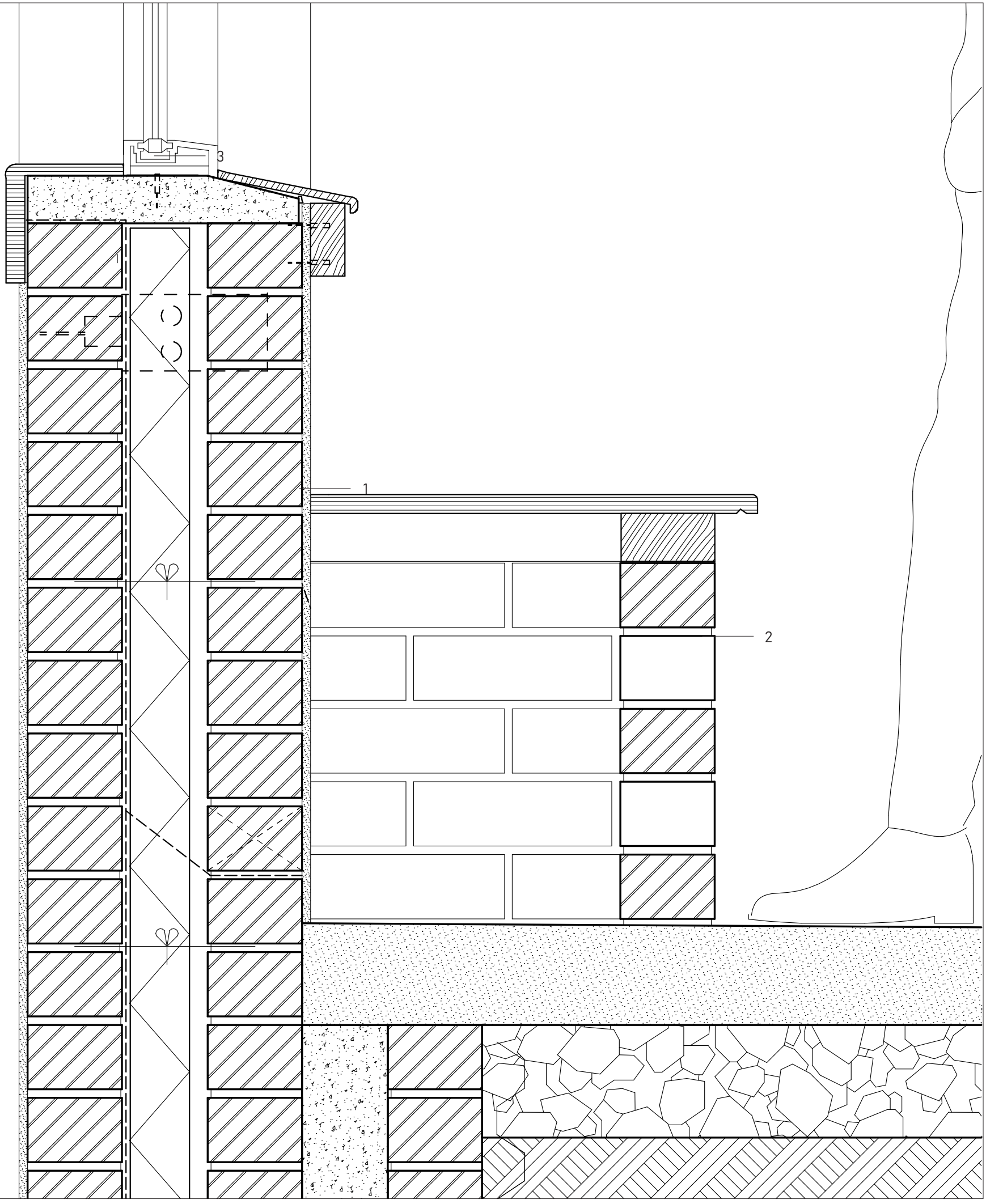


*See Furniture guide for more detailed drawings



Structural logic: Technical section

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A. Secondary infrastructural system detail 1:5

1. External masonry retaining wall

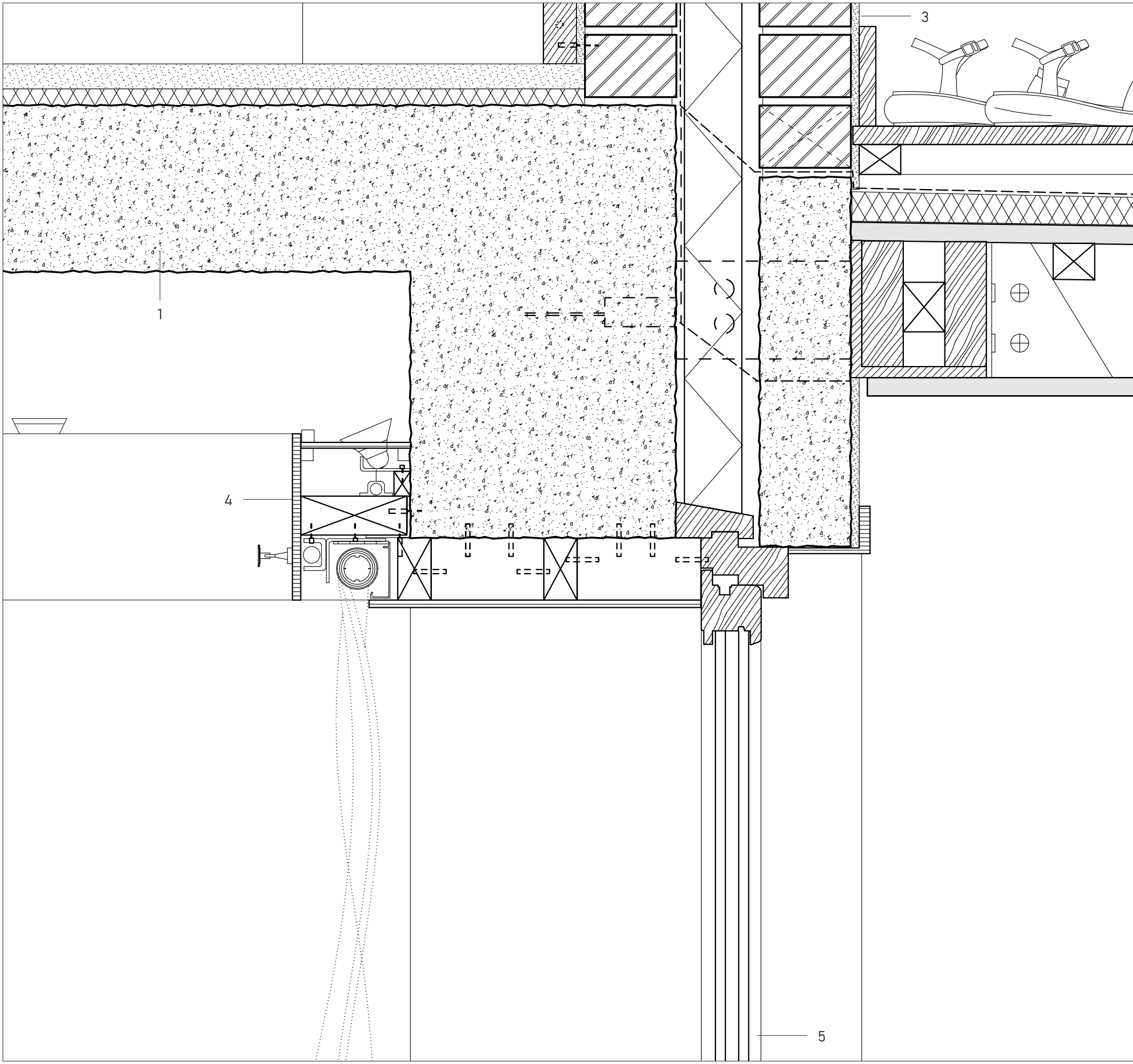
10 mm plaster; 320 mm brick wall; Weepholes at 900mm intervals; concrete lintel above window; 75 mm polystyrene insulation; 375 micron stepped DPM; Cavity closer; protective membrane dorken sheeting between insulation and earth layer

2. Masonry seat

18 mm Birch plywood seat (treated when exterior); Single skin breeze block wall with perpendicular legs for bracing

3. Double glazed fixed shopfront window

12 mm glass and 16 mm cavity with aluminium mullions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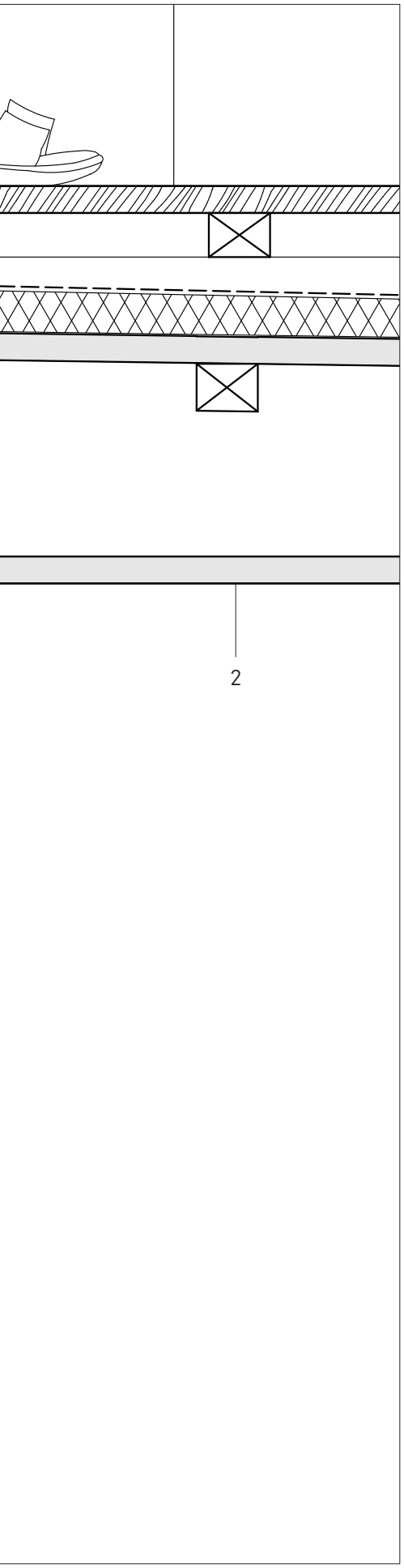


B. Secondary infrastructural system detail 1:5

1. Internal floor

30 mm polished screed; 20 mm Rubber acoustic underlay; 200 mm reinforced concrete slab, cast on site with 320 x 320 mm downstand beam, with rough exposed soffit to floor below

2. External decking

22 x 105 pine decking; 36 x 50 mm counter battens; Angled support joists to allow water runoff; torch-on waterproofing over acoustic insulation; 22 mm ceiling board to support insulation layer; Sandwich timber beam fixed to masonry construction and supported by steel channel with 50 x 105 mm pine joists at 250 centers; 22 mm marine plywood ceiling board

3. External masonry wall

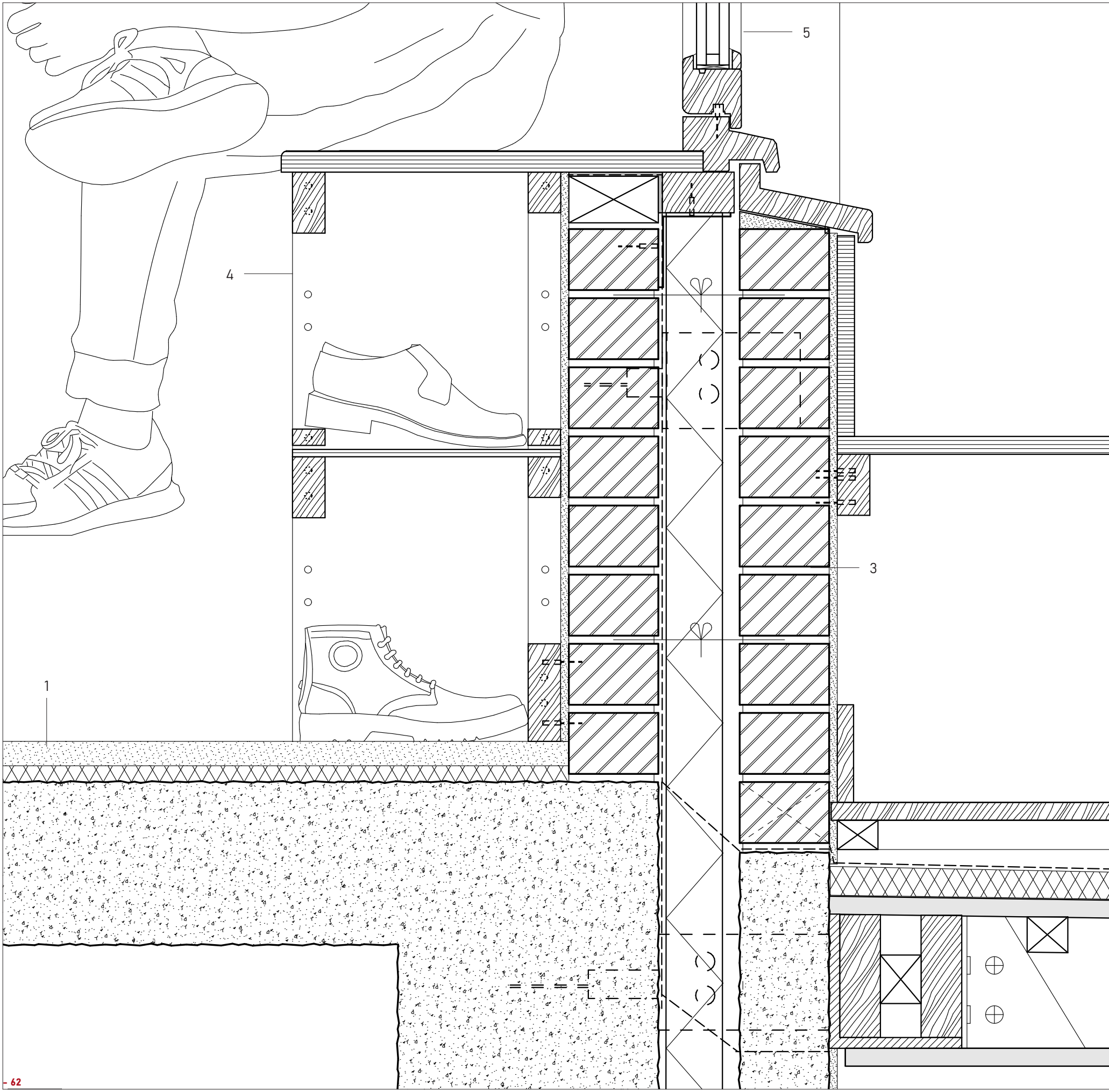
10 mm plaster; 320 mm brick wall; Weepholes at 900mm intervals; concrete lintel above window; 75 mm polystyrene insulation; 375 micron stepped DPM; Cavity closer

4. 140 x 200 mm Infrastructural system

9 mm plywood cladding with operable lid for ease of maintenance; Timber battens fixed to concrete beam supported by fixing channel; 20 mm diameter fire sprinkler pipe; Philips MR- 16 LED bulb angled light fixture; Hidden curtain rail

5. Double glazed sliding window

12 mm glass and 16 mm cavity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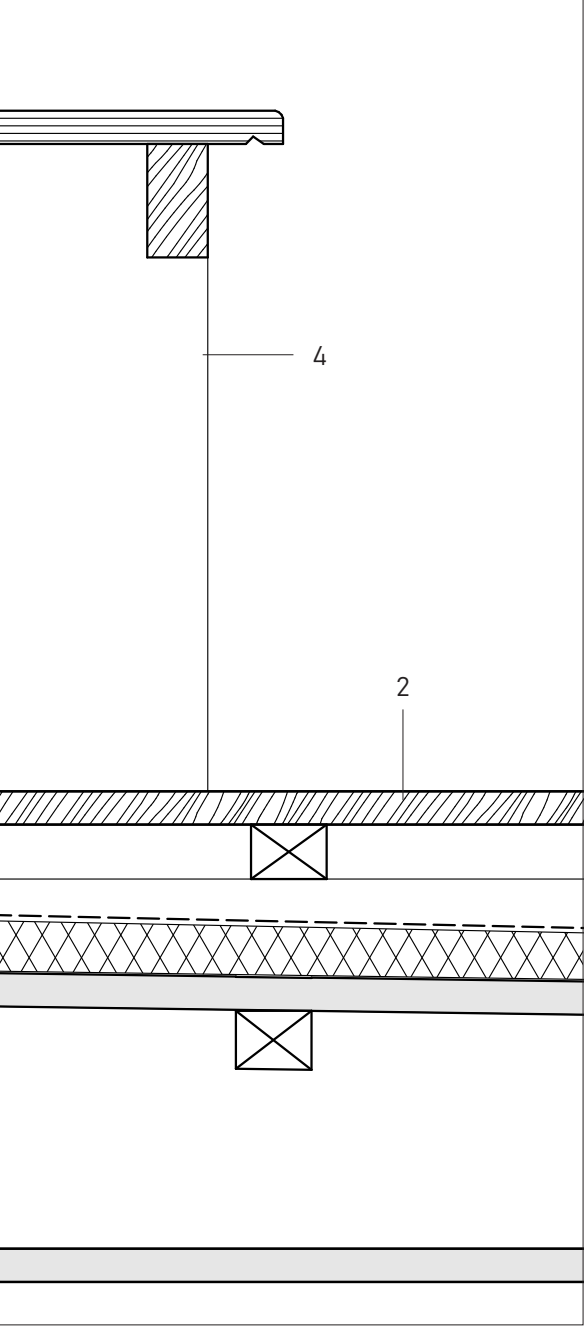


C. Bay window to gallery seat detail 1:5

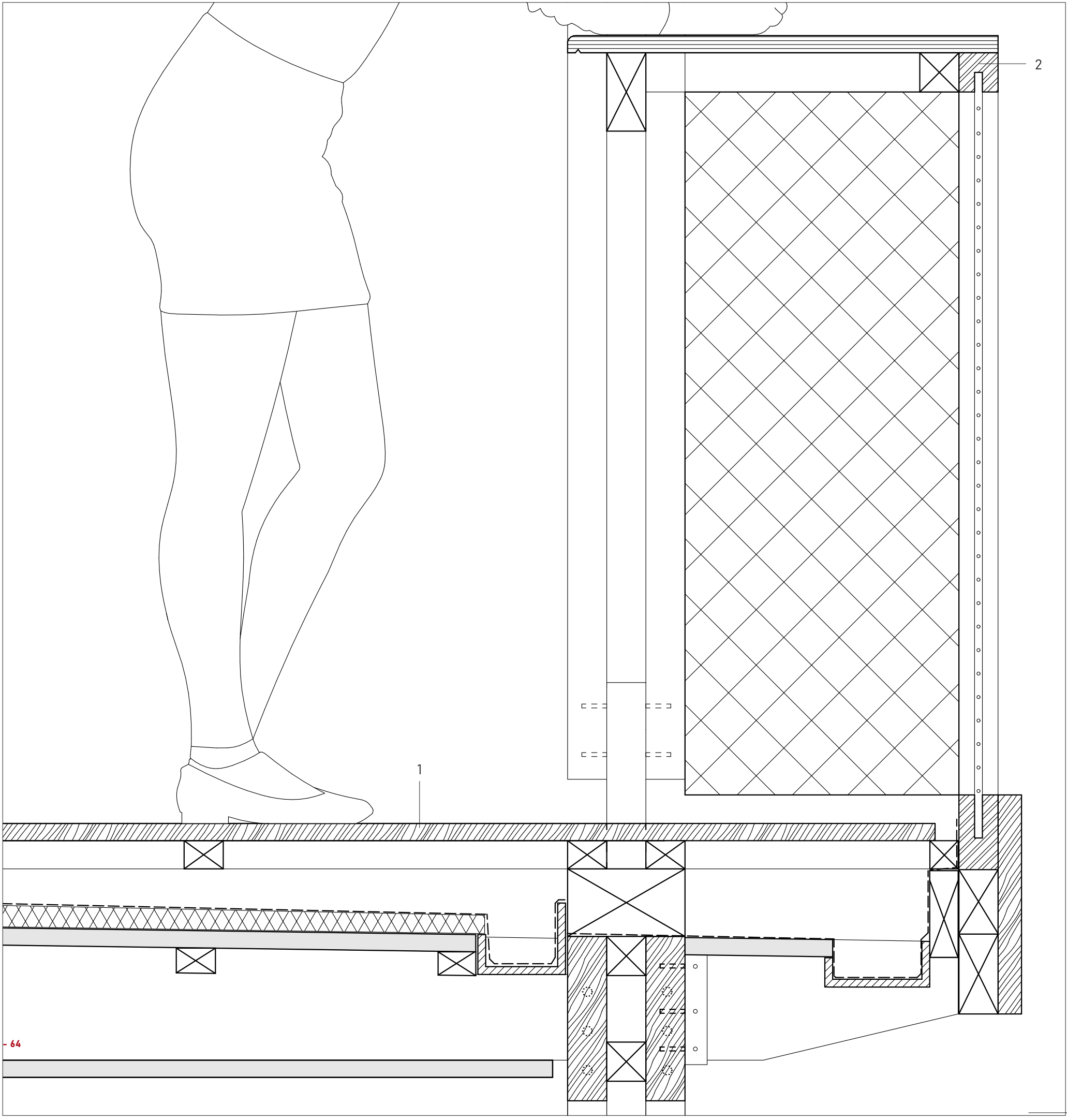
1. Internal floor
   30 mm polished screed; 20 mm Rubber acoustic underlay; 200 mm reinforced concrete slab, cast on site with downstand beam, with rough exposed soffit to floor below

2. External decking
   22 x 105 pine decking; 36 x 50 mm counter battens; Angled support joists to allow water runoff; torch-on waterproofing over acoustic insulation; 22 mm ceiling board to support insulation layer; Sandwich timber beam fixed to masonry construction and supported by steel channel with 50 x 105 mm pine joists at 250 centers; 22 mm marine plywood ceiling board

3. External masonry wall
   10 mm plaster; 320 mm brick wall; Weepholes at 900mm intervals; 75 mm polystyrene insulation; 375 micron stepped DPM; galvanized cavity closer

4. Seat
   18 mm Birch plywood seat (treated when exterior); 18 mm plywood vertical members with dowel cavity for future use; supported by timber battens fixed to masonry wall

5. Double glazed sliding window
   12 mm glass and 16 mm cavity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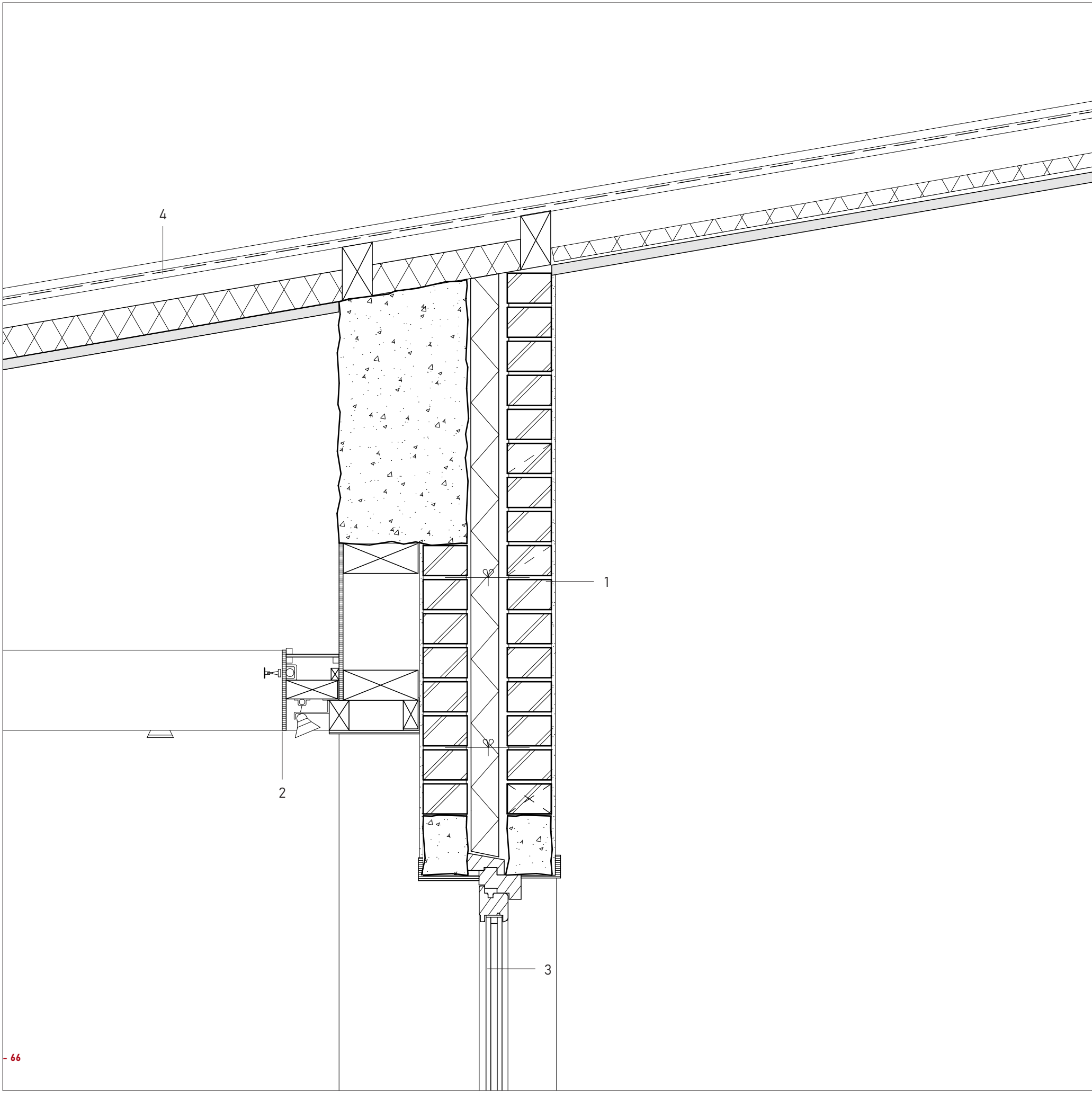
D. Decking end detail 1:5

1. External decking

22 x 105 pine decking; 36 x 50 mm counter battens; Angled support joists to allow water runoff; torch-on waterproofing over acoustic insulation; 22 mm ceiling board to support insulation layer; 2 x 50 x 200 mm Sandwich pine beam fixed to 2 x 50 150 mm Sandwhich pine column with battens for buckling; Galvanized steel rain gutter with tucked DPM; 50 x 105 mm pine joists at 250 centers; 22 mm marine plywood ceiling board

2. Railing

8 mm steel mesh railing fixed to timber batten; finished with 22mm birch plywood table supported by 50 x 100 mm timber battens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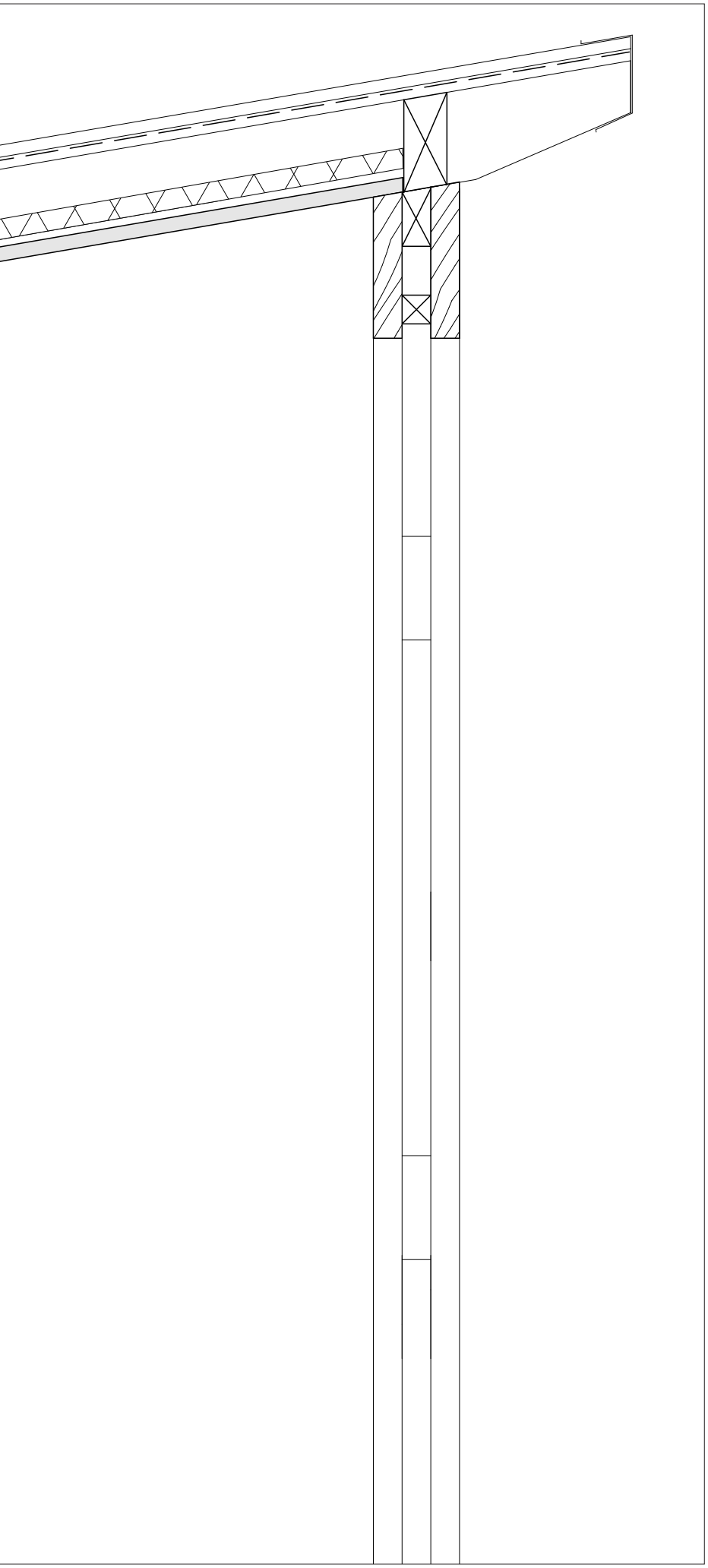


E. Rood detail 1:10

1. External masonry wall

10 mm plaster; 320 mm brick wall; Weepholes at 900mm intervals; concrete lintel above window; 75 mm polystyrene insulation; 375 micron stepped DPM; Cavity closer

2. 140 x 200 mm Infrastructural system

9 mm plywood cladding with operable lid for ease of maintenance; Timber battens fixed to concrete beam supported by fixing channel; 20 mm diameter fire sprinkler pipe; Philips MR- 16 LED bulb angled light fixture

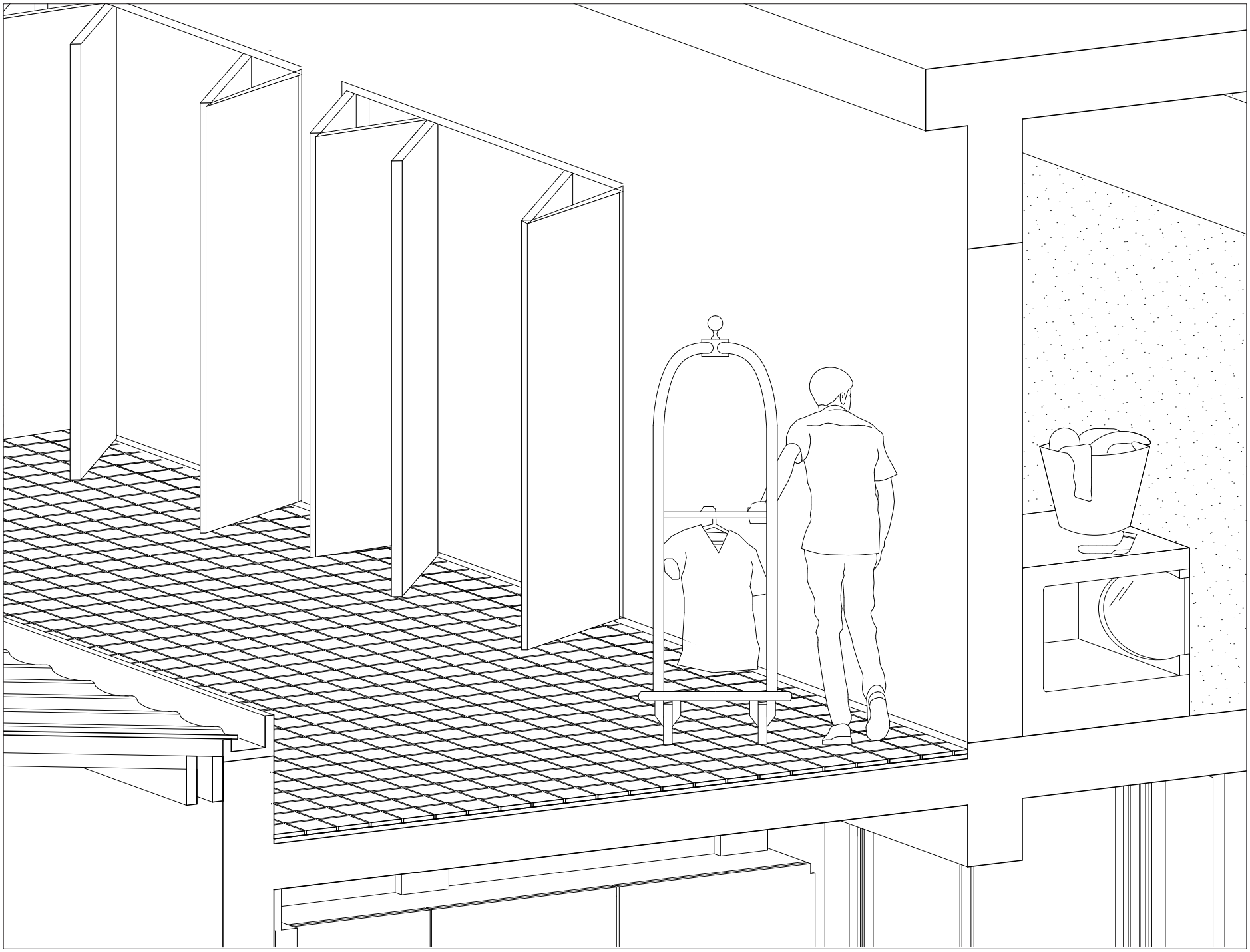
3. Double glazed sliding window

12 mm glass and 16 mm cavity

4. Roof

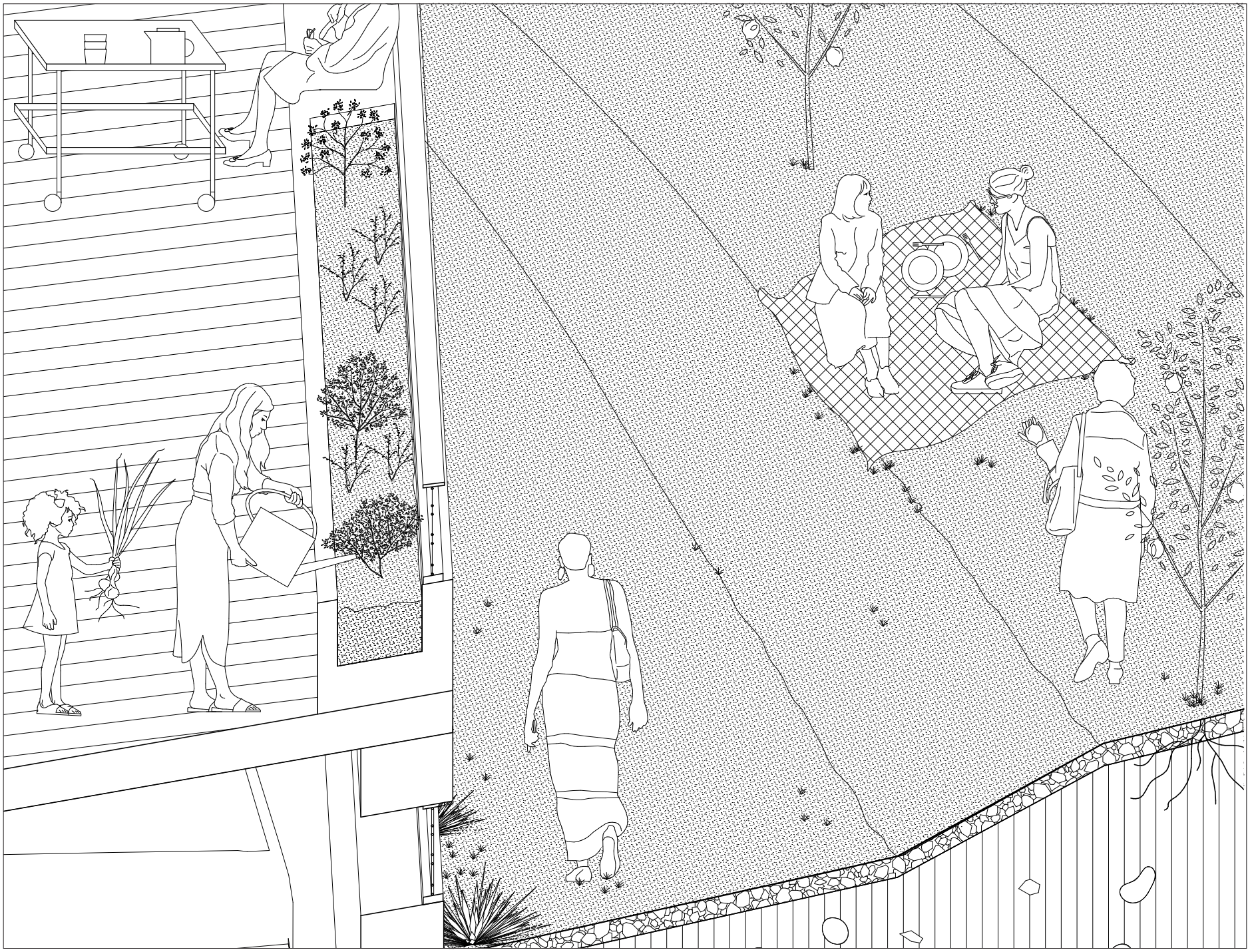
20 mm continuous corrugated IBR roof sheeting; Sisolation; 114 x 40 timber purlins spaced at 1200 mm centers and fixed with purlin clips; 70 mm polystyrene insulation supported by ceiling boards; 6,4 mm gypsum ceiling boards at 400 centers; with 2 x 50 x 200 mm Sandwich pine beam fixed to 2 x 50 150 mm Sandwich pine column; Steel flashing bolted to IBR roof sheeting as roof closer

Spatial relationships: The historic flexible and porous interior

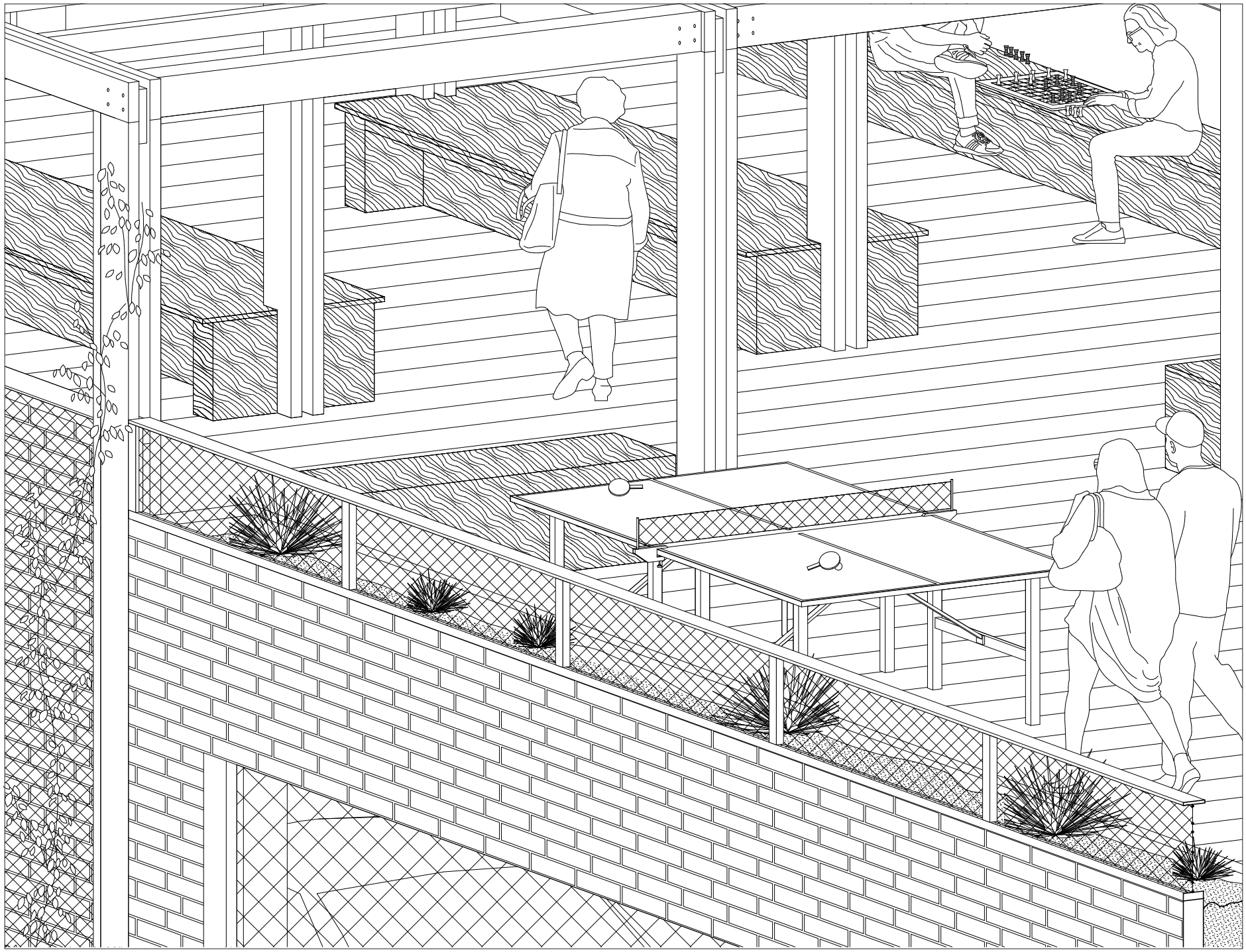


Spatial relationships: With oneself

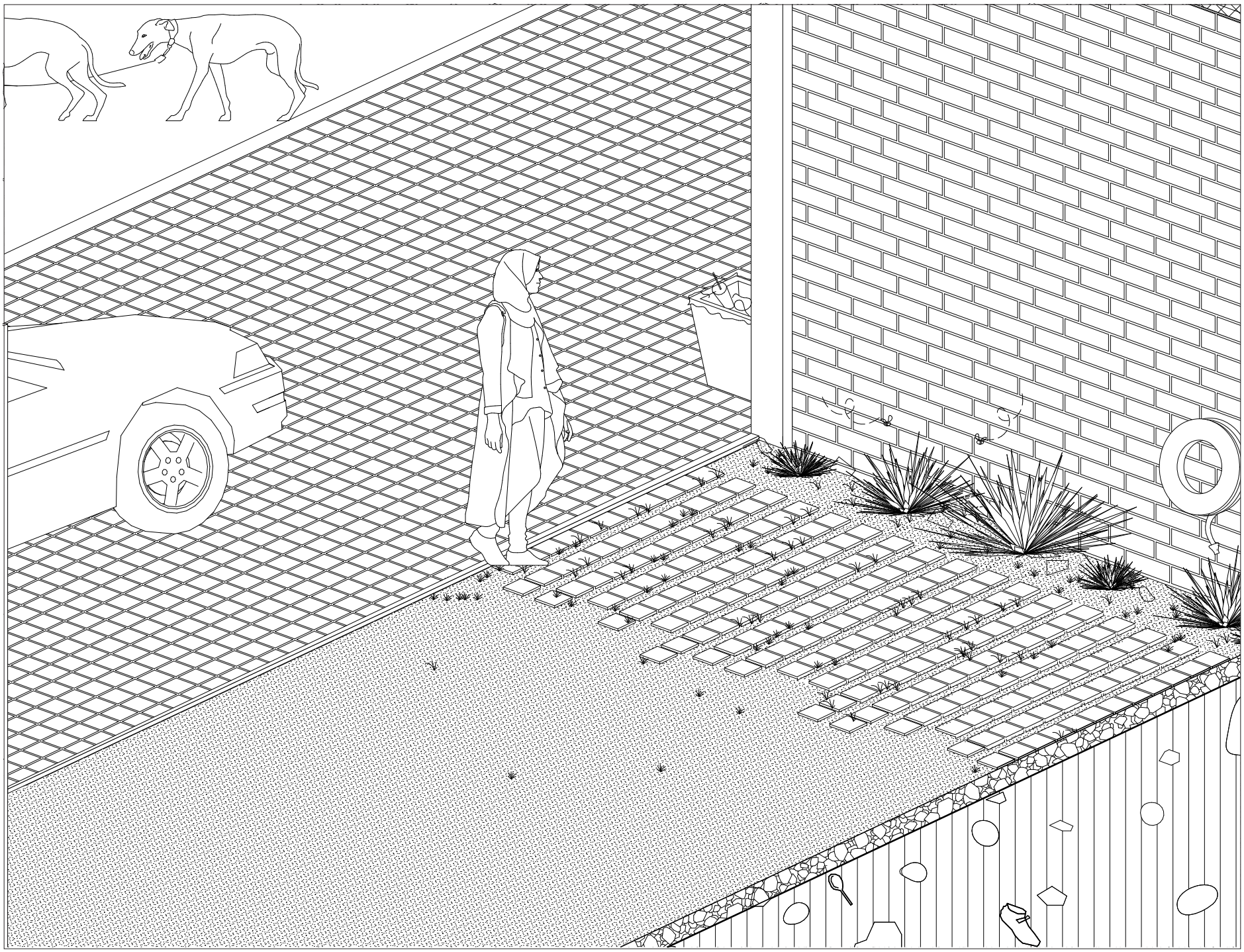
Spatial relationships: Negotiating present day values



Spatial relationships: Engaged thresholds at the public-collective boarder

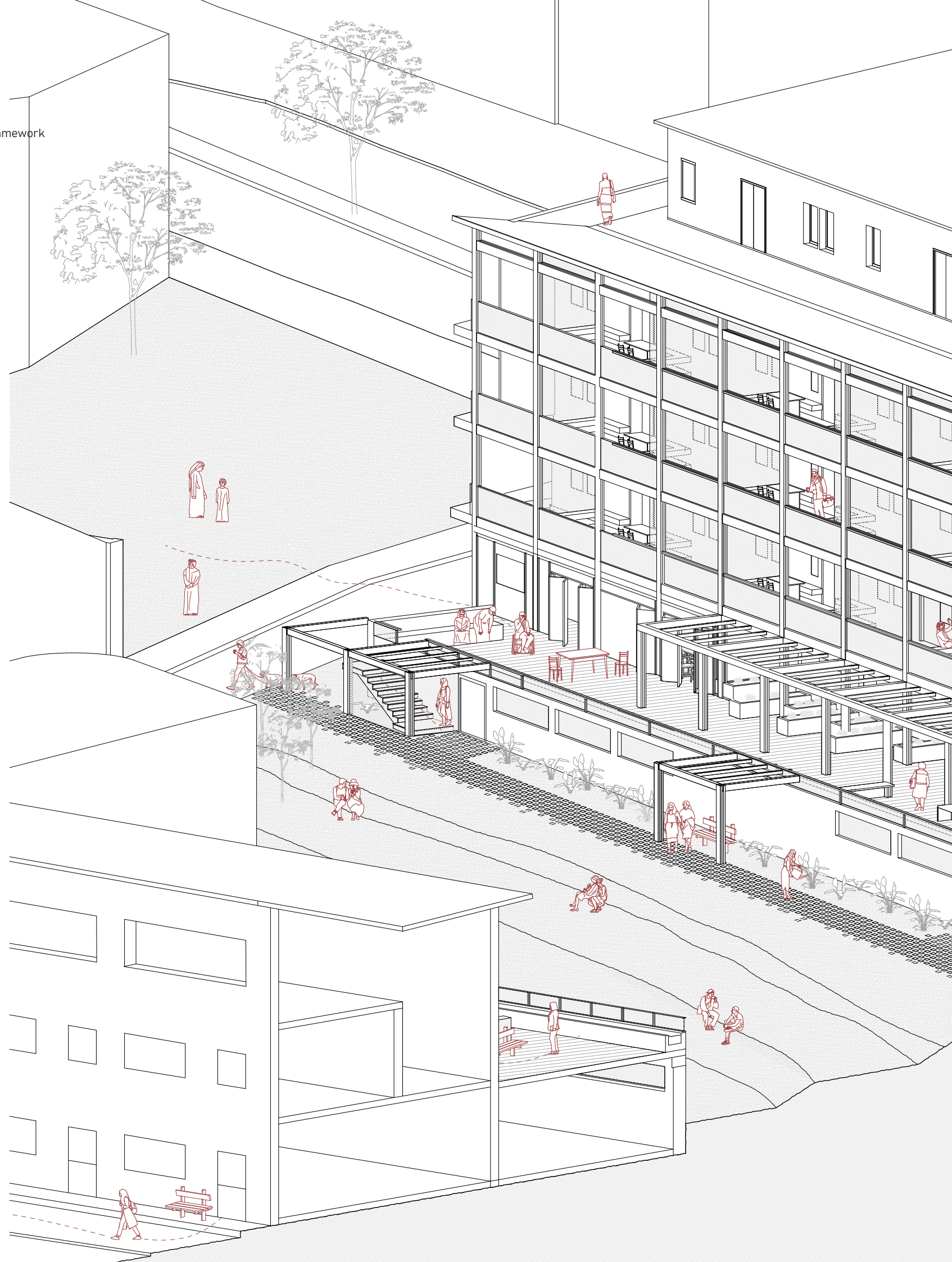


Spatial relationships: Stage is offered for daily interactions

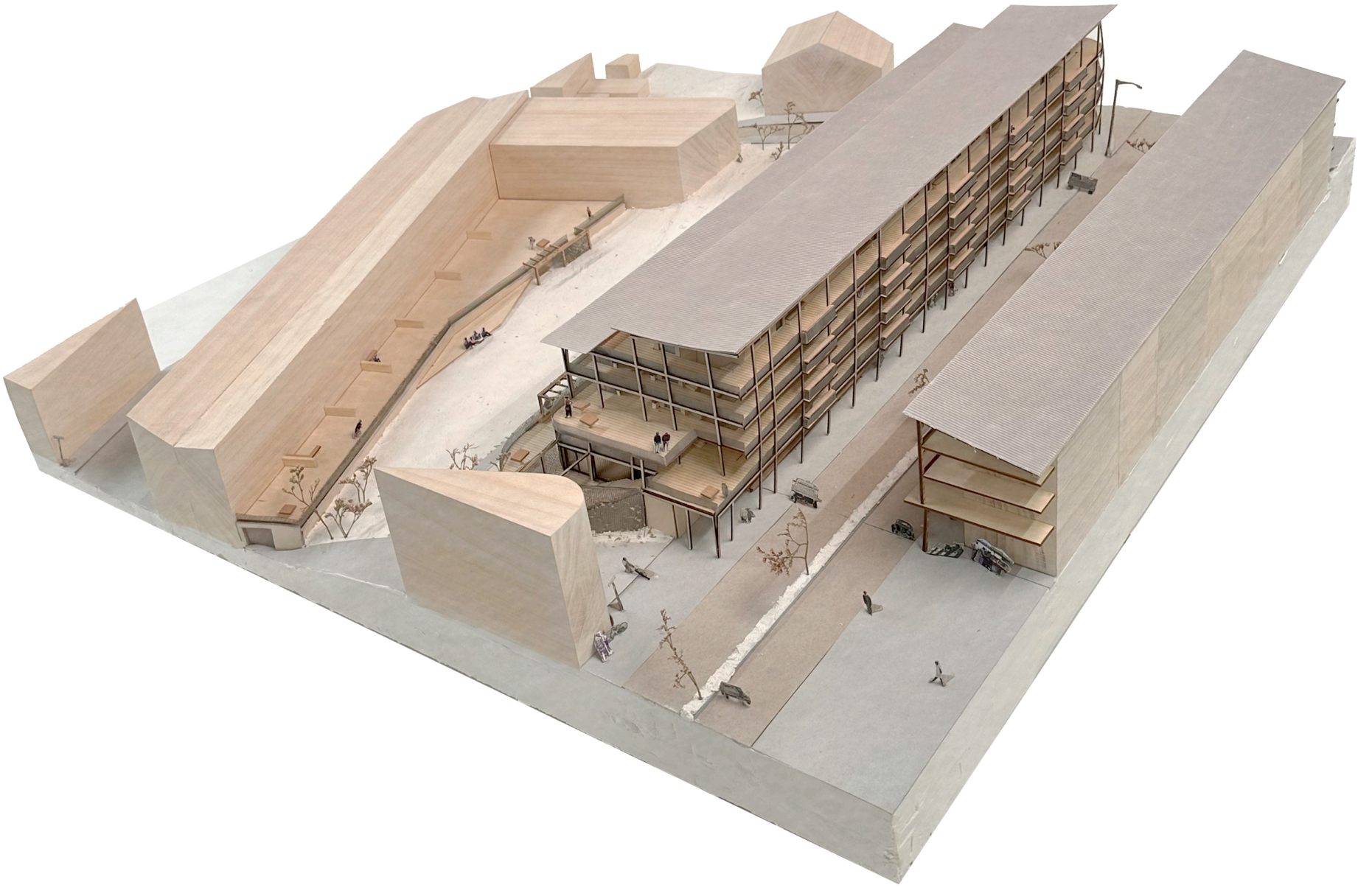


Spatial relationships: Layered negotiations

Spatial relationships: Architecture as framework



Spatial relationships: The public street



Spatial relationships: Nested scales of community within porous thresholds

Spatial relationships: The public street

Spatial relationships: The new courtyard typology