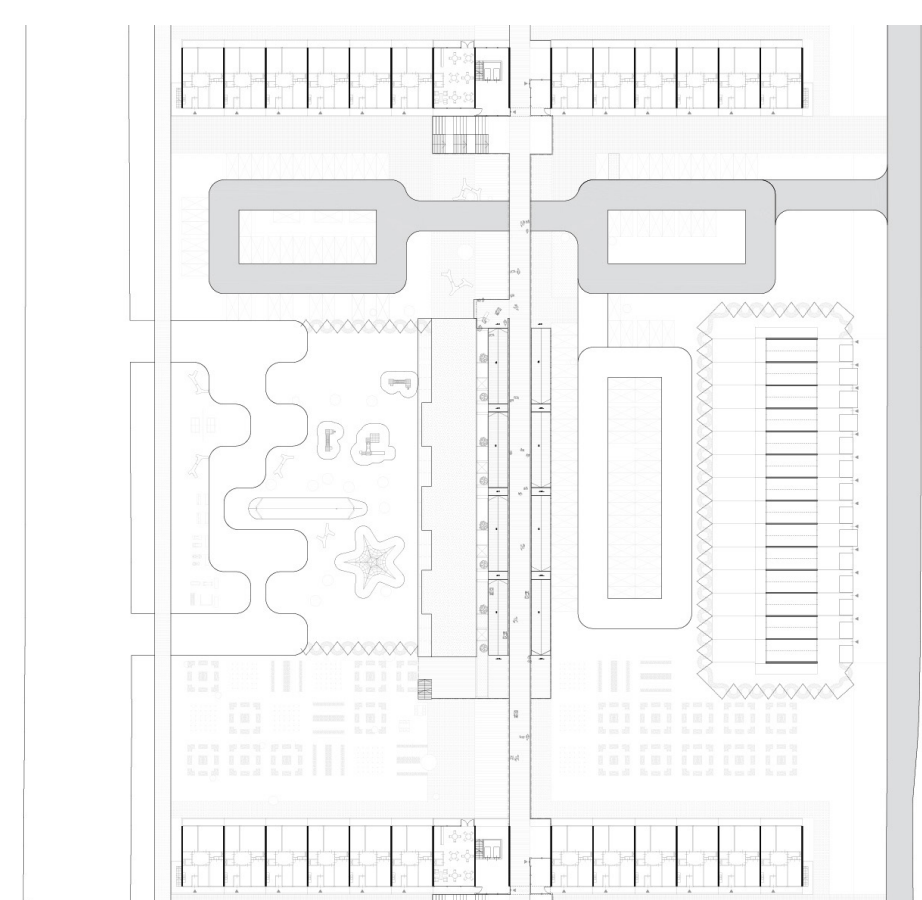
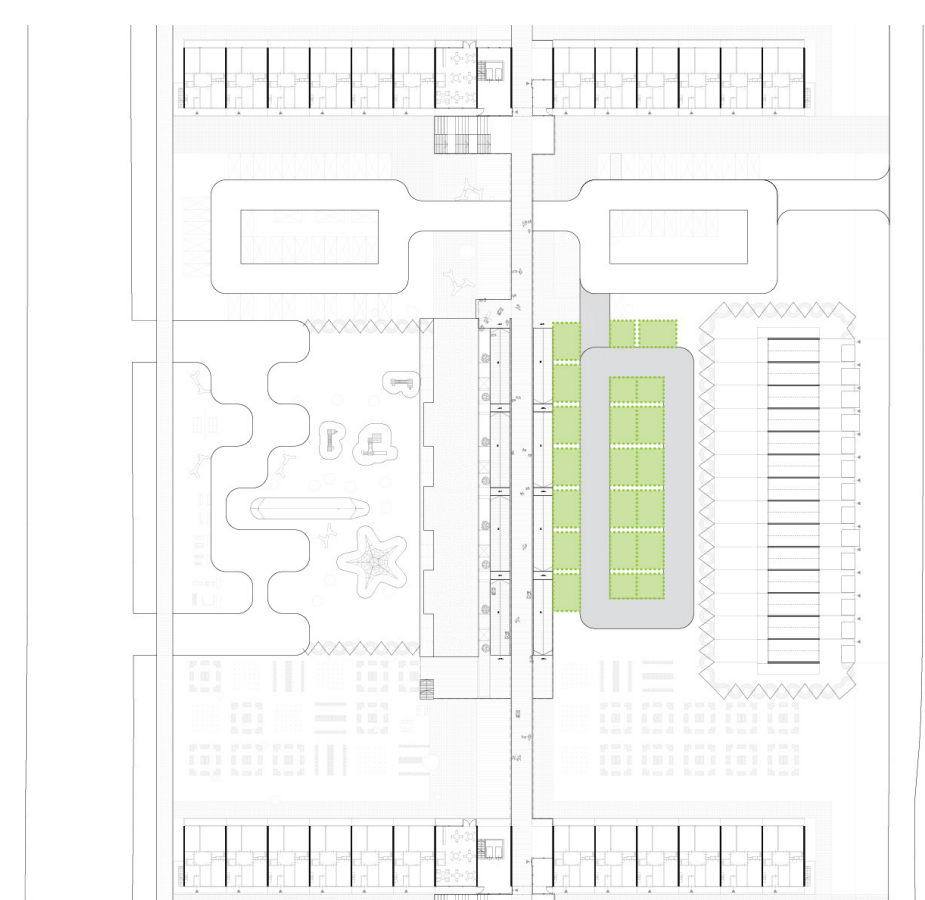




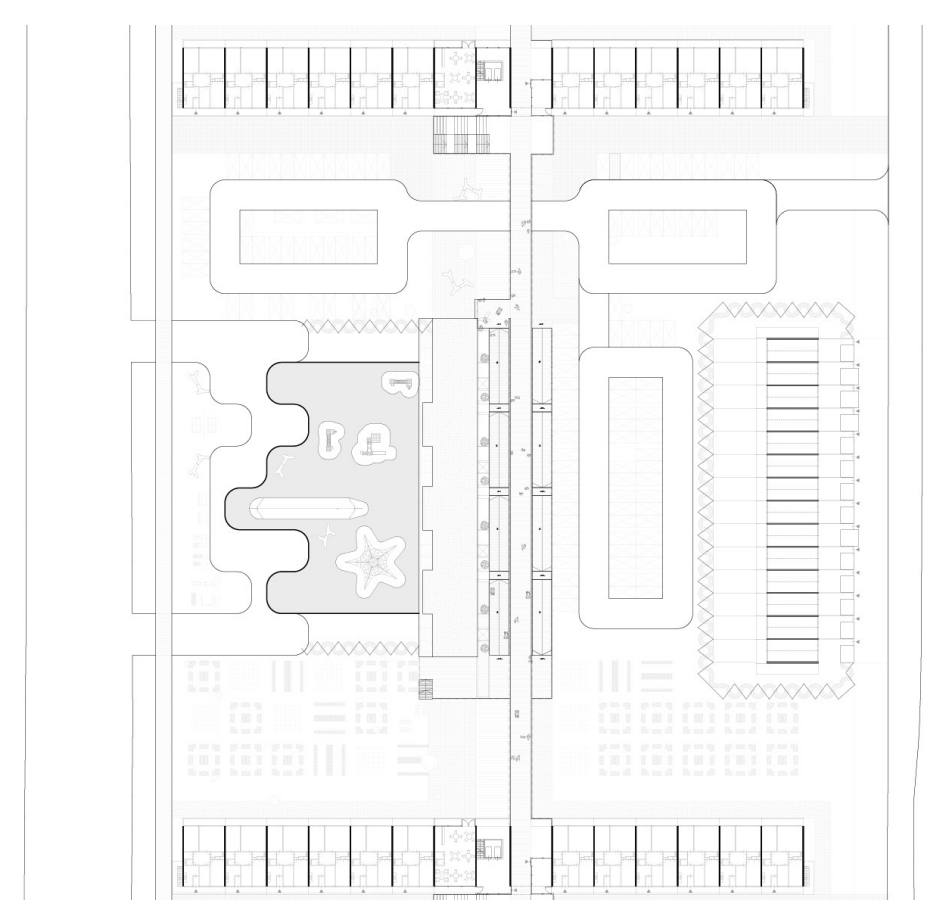
re-programming space in between blocks:



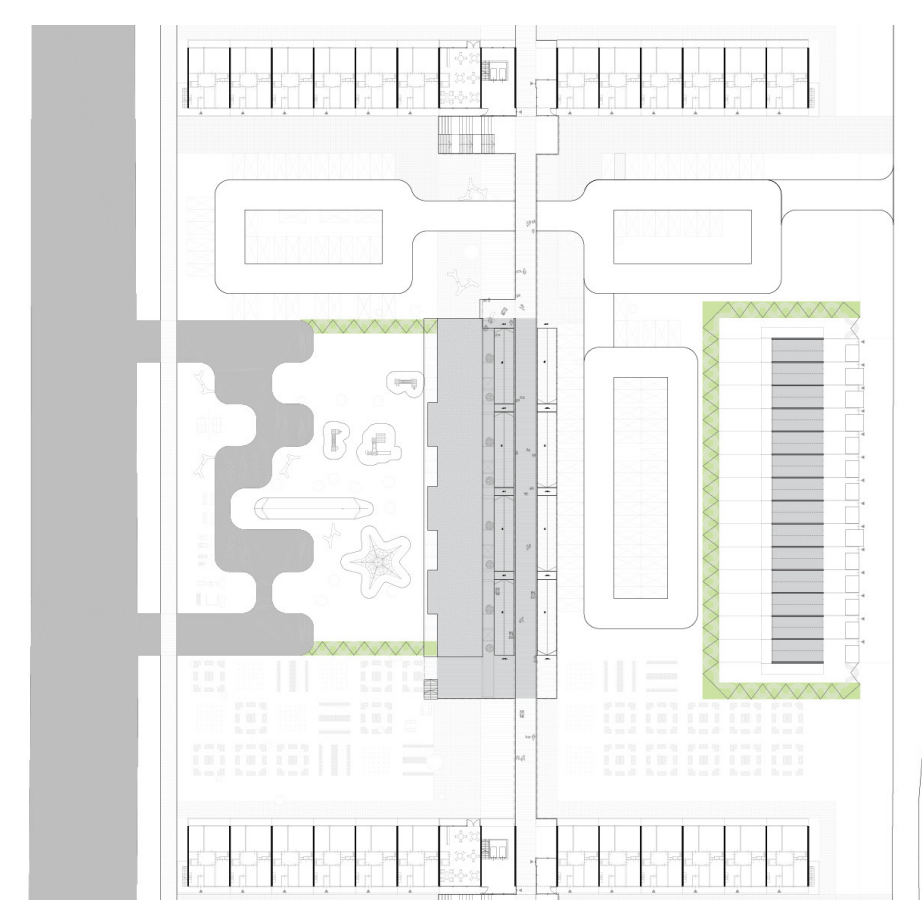
1. Paved road for cars accessibility



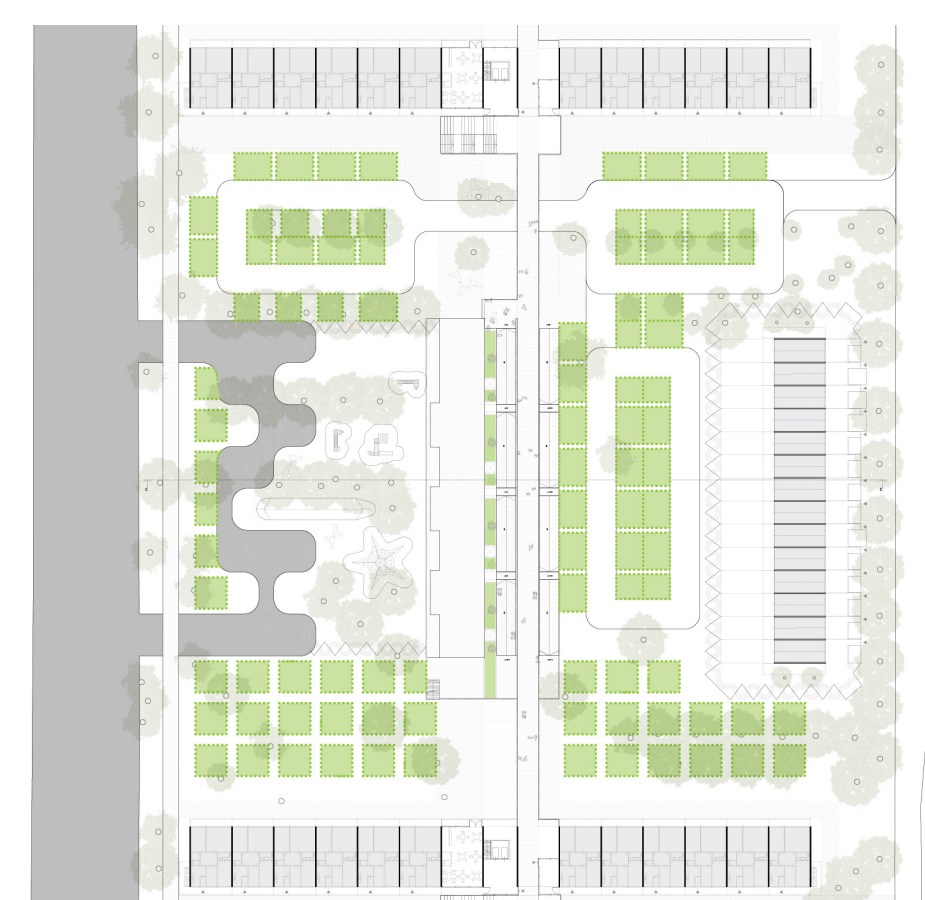
2. Extension of paved road - more parking places or urban modules, according to preferences of block's community



3. Extension of kindergarten - playground



4. creation of borders - privacy for existing row houses and security for playground



5. Activation of dwellers - personalized "Modules" for urban and gardening outdoor activities

Catalogue of modules: garden



garden: urban farming



garden: forest farming

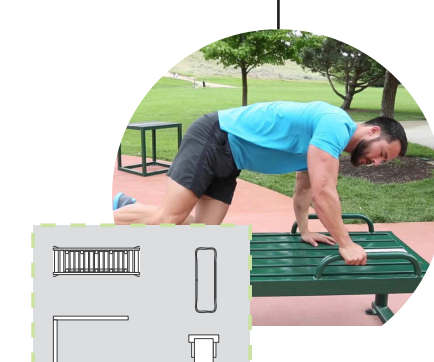


garden: planter boxes



garden: picnic tables

Catalogue of modules: urban



urban sports: outdoor gym



urban sports: gym for elderly



urban sports: table tennis



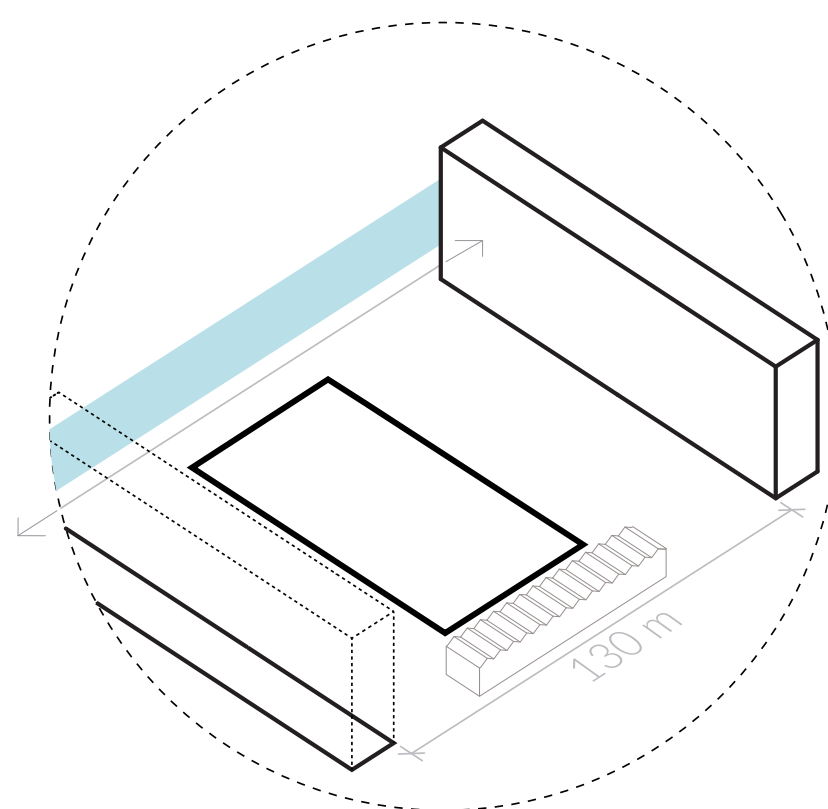
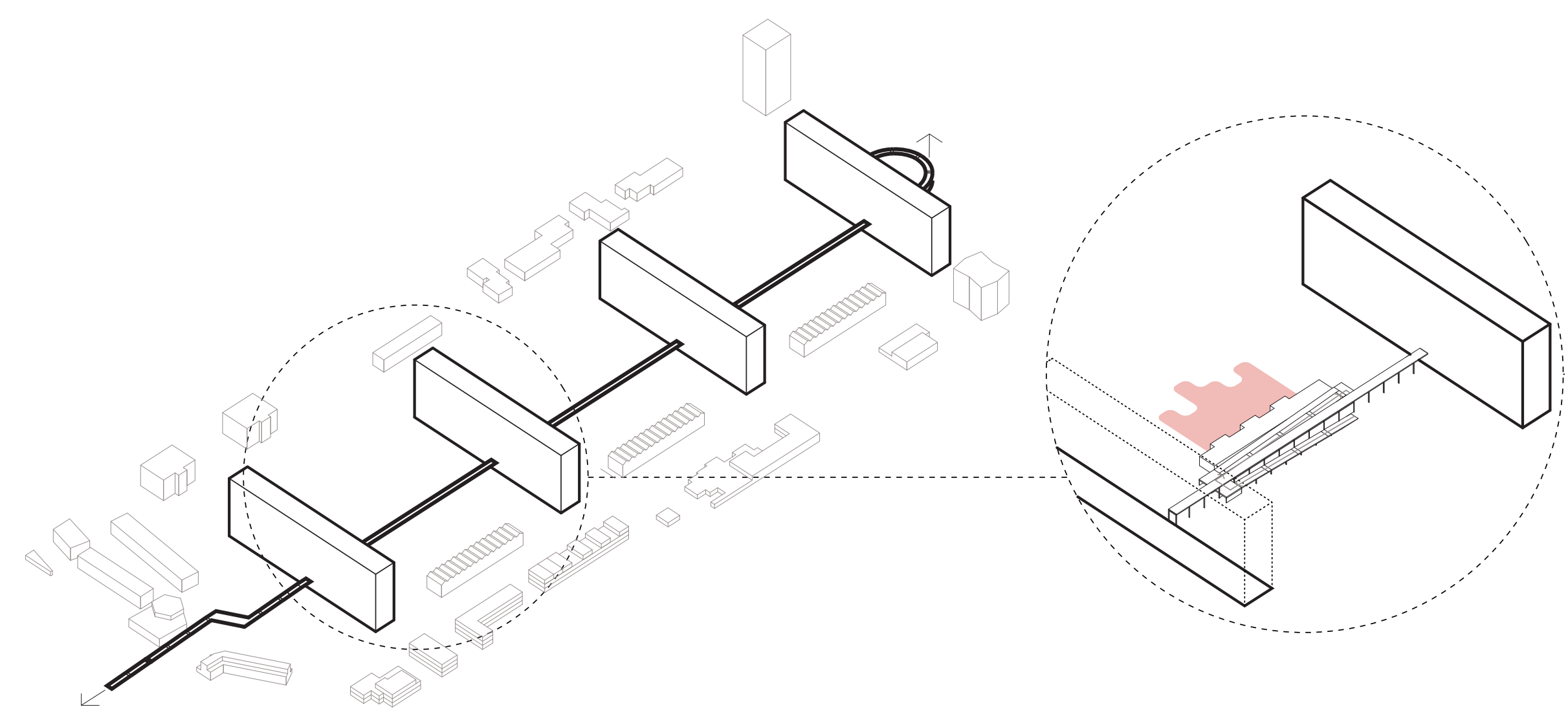
urban sports: petanque



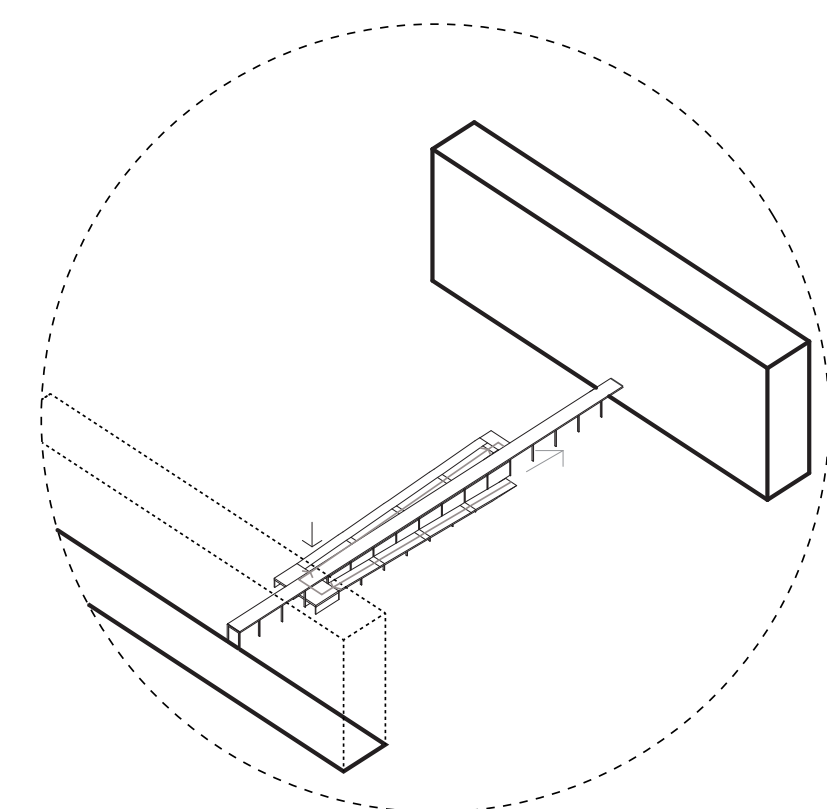
outdoor room: "lounges"



outdoor room: "flower garden"

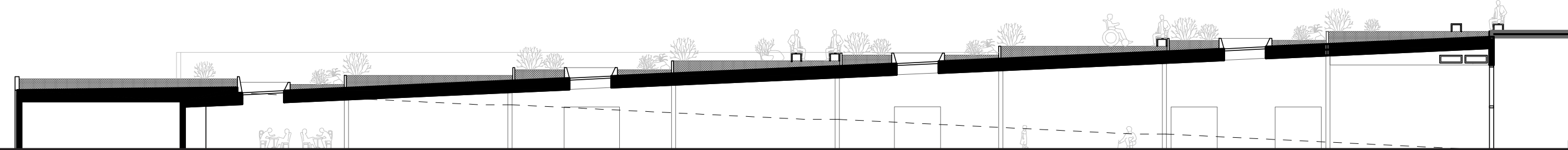


1. Public building in "no-one's space" between residential blocks



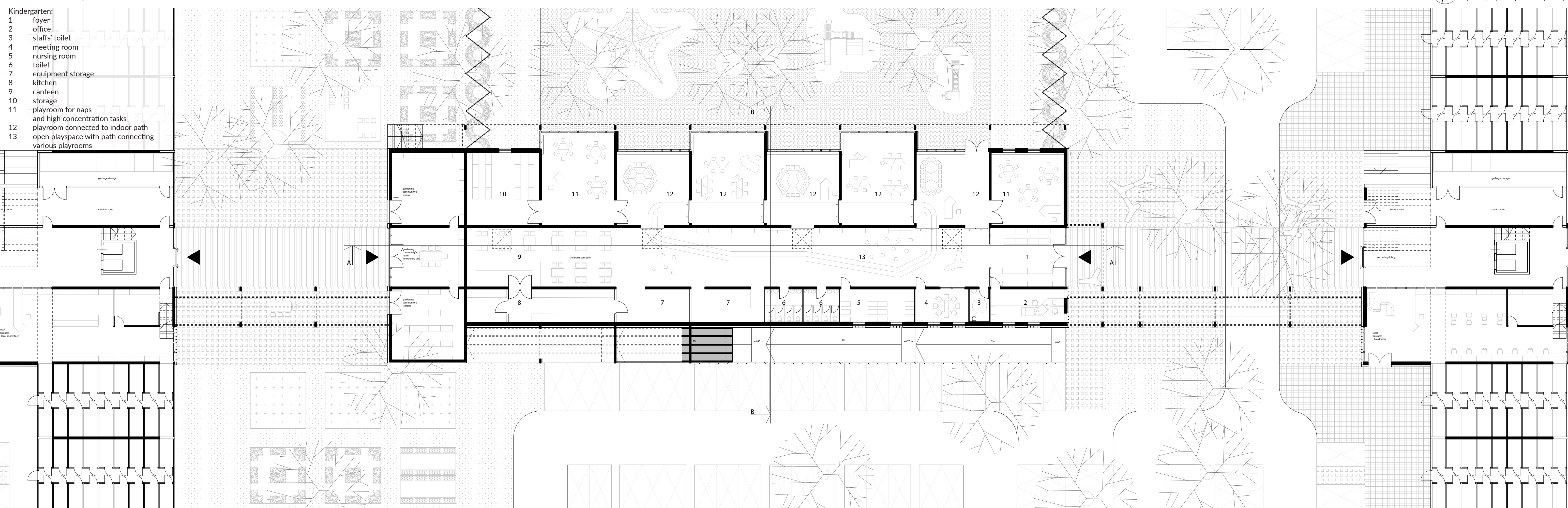
2. Public building's roof as connection between elevated path and residential block's entrance

Section B-B, scale 1:200

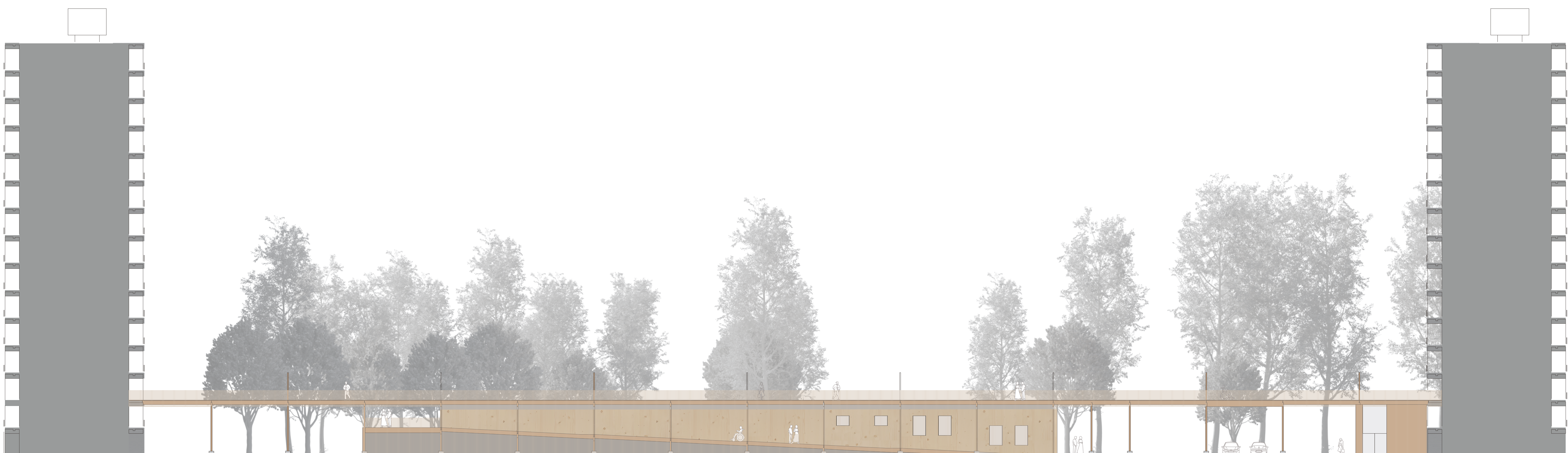


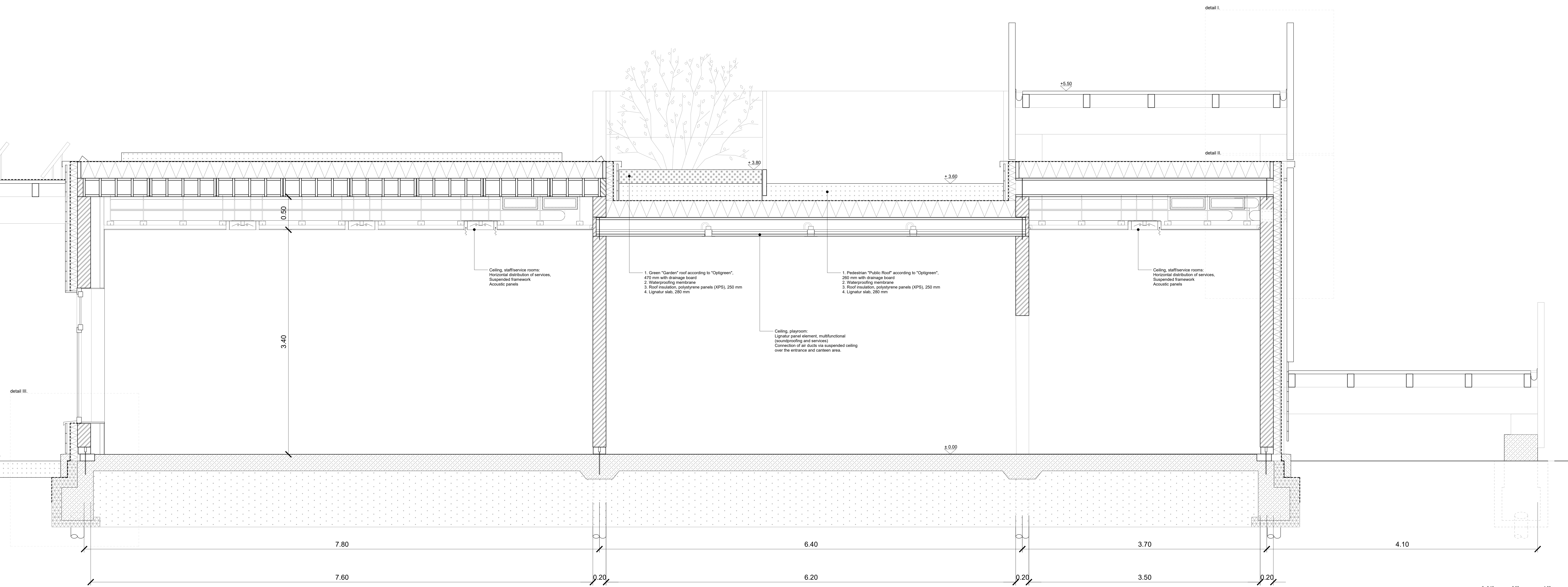
Ground floor plan, scale 1:200

- Kindergarten:
- 1 foyer
- 2 office
- 3 staffs' toilet
- 4 meeting room
- 5 nursing room
- 6 toilet
- 7 equipment storage
- 8 kitchen
- 9 canteen
- 10 storage
- 11 playroom for naps and high concentration tasks
- 12 playroom connected to indoor path
- 13 open playspace with path connecting various playrooms



Elevation view, north side. Scale 1:200

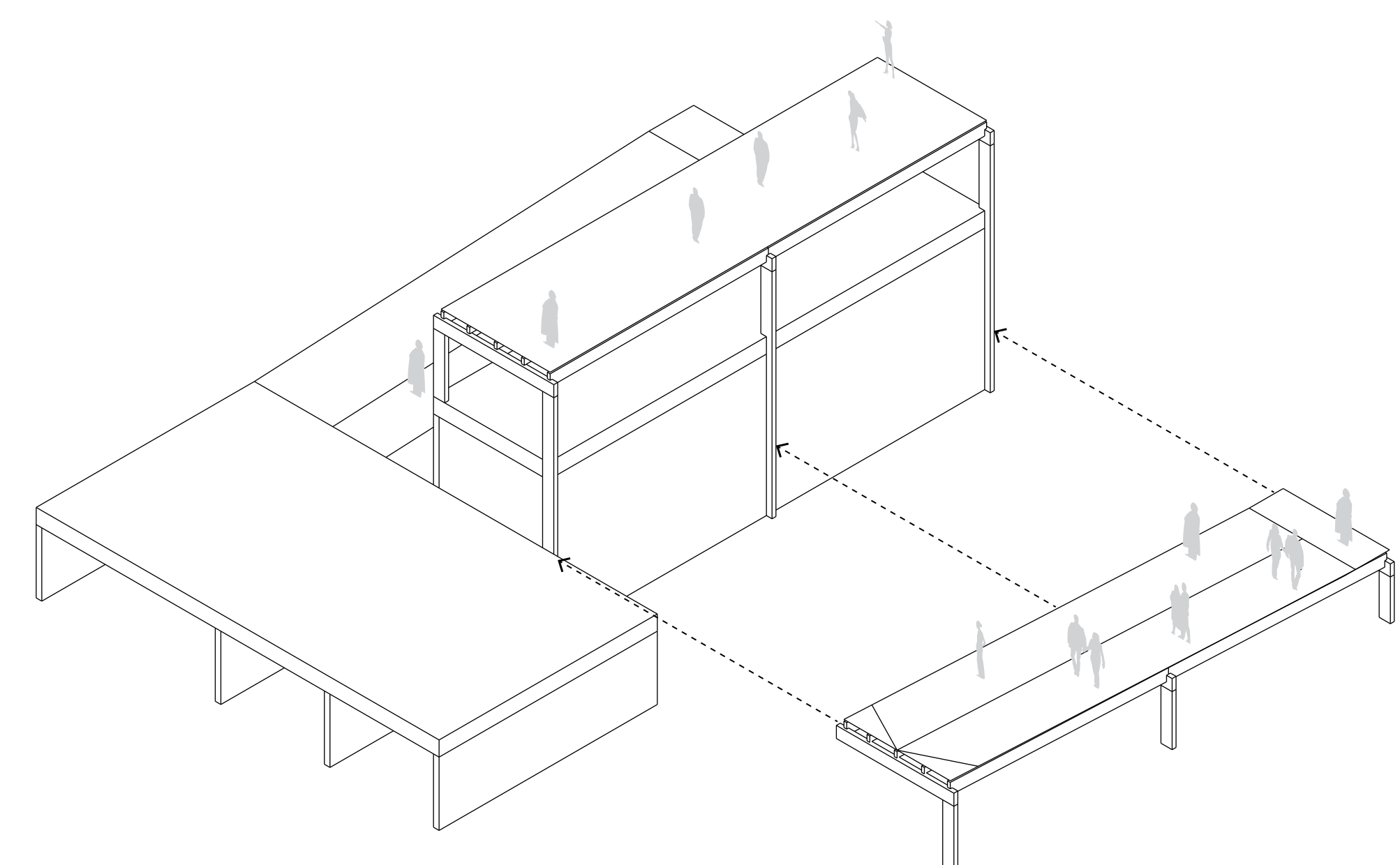
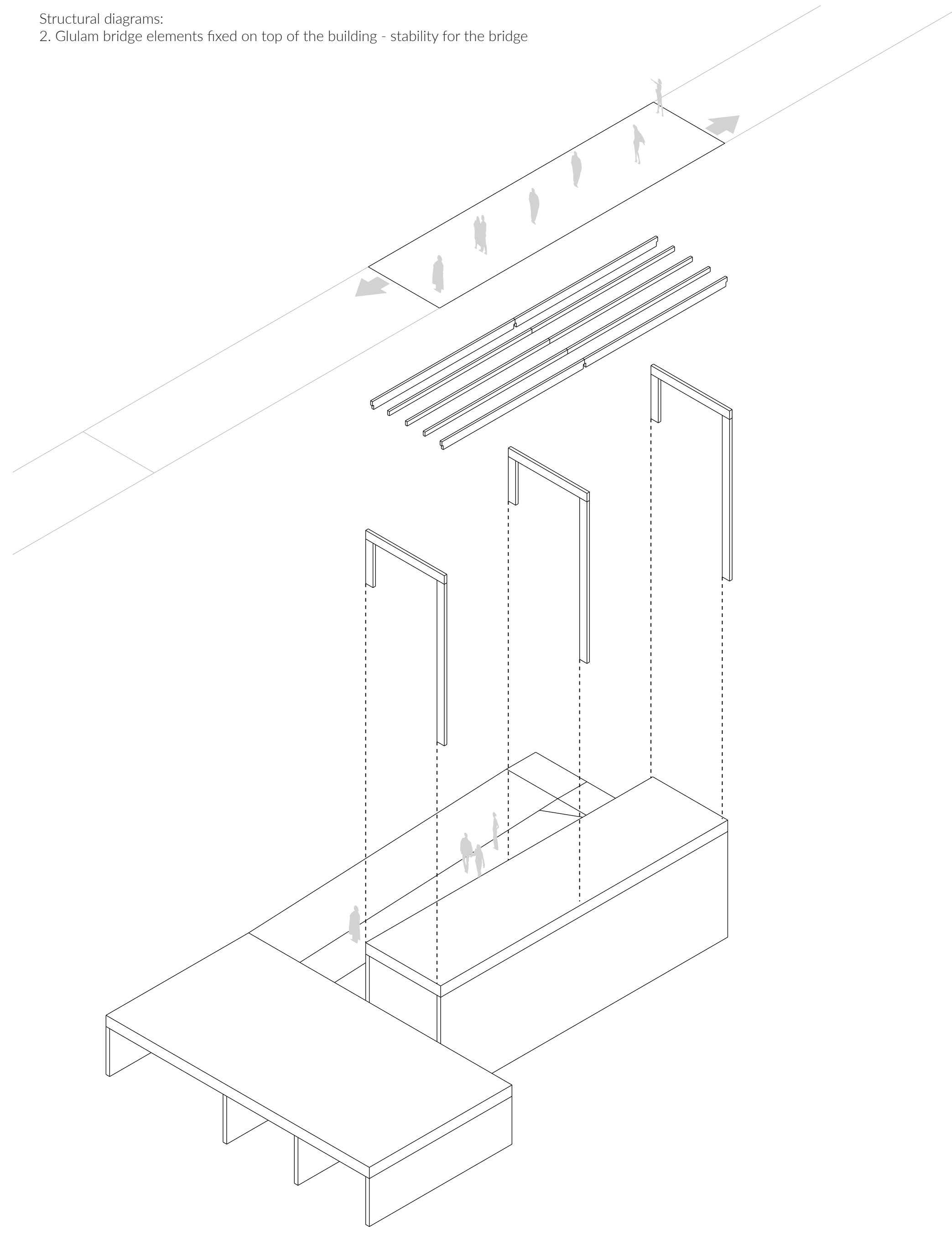
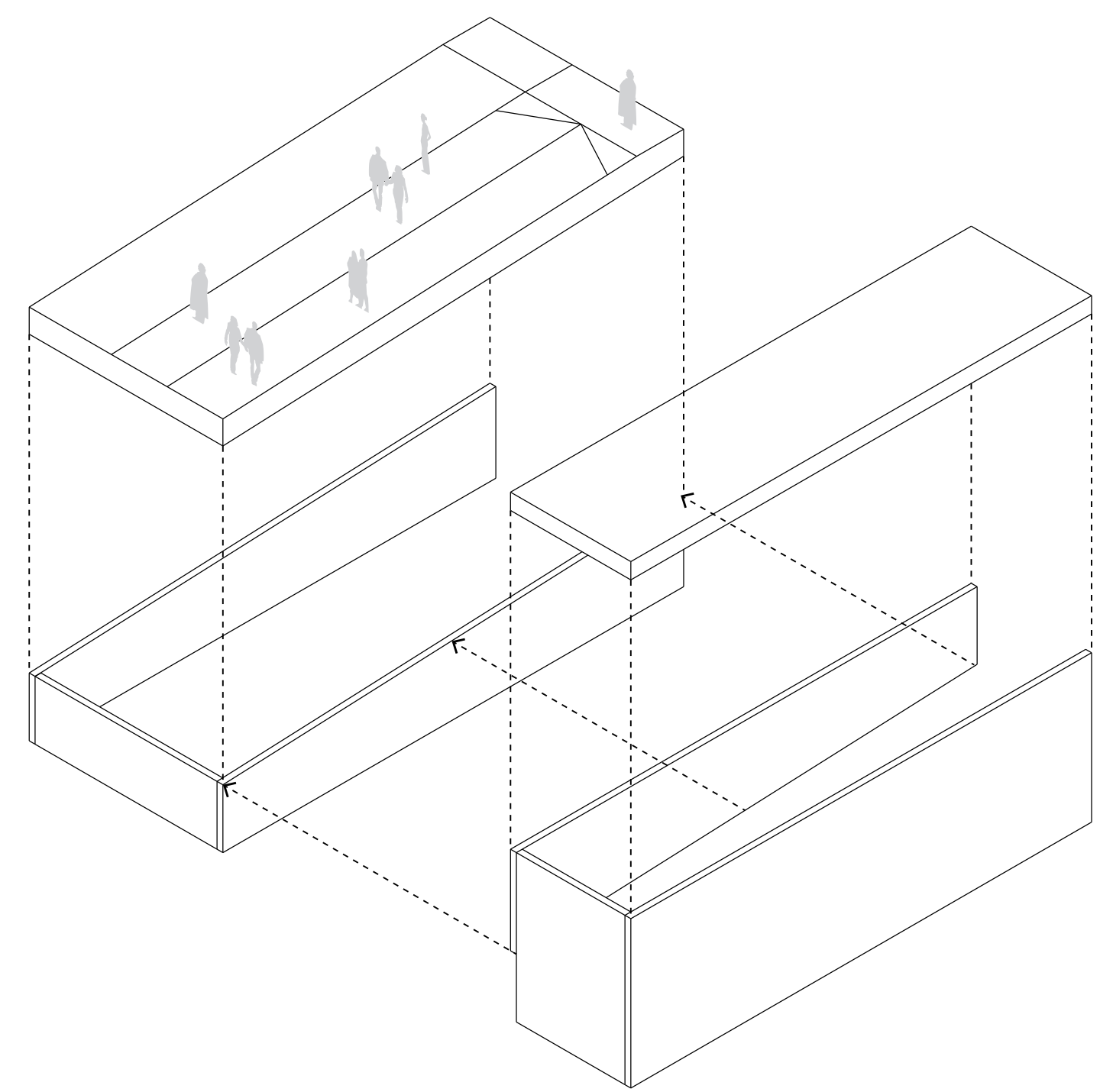




Structural diagrams:  
1. Sustainable and rigid structure: CLT walls and timber slab panels for flat roof/green roof.

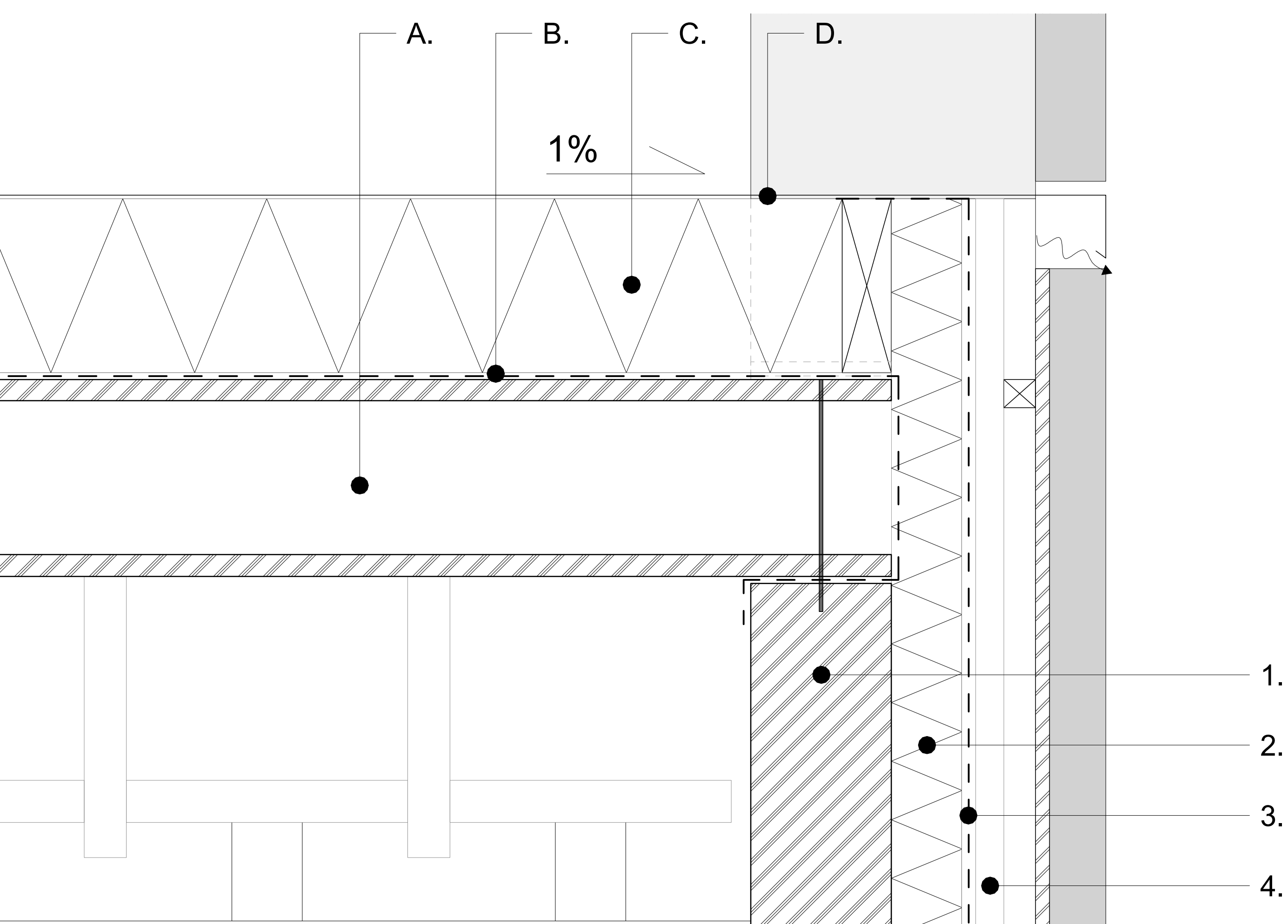
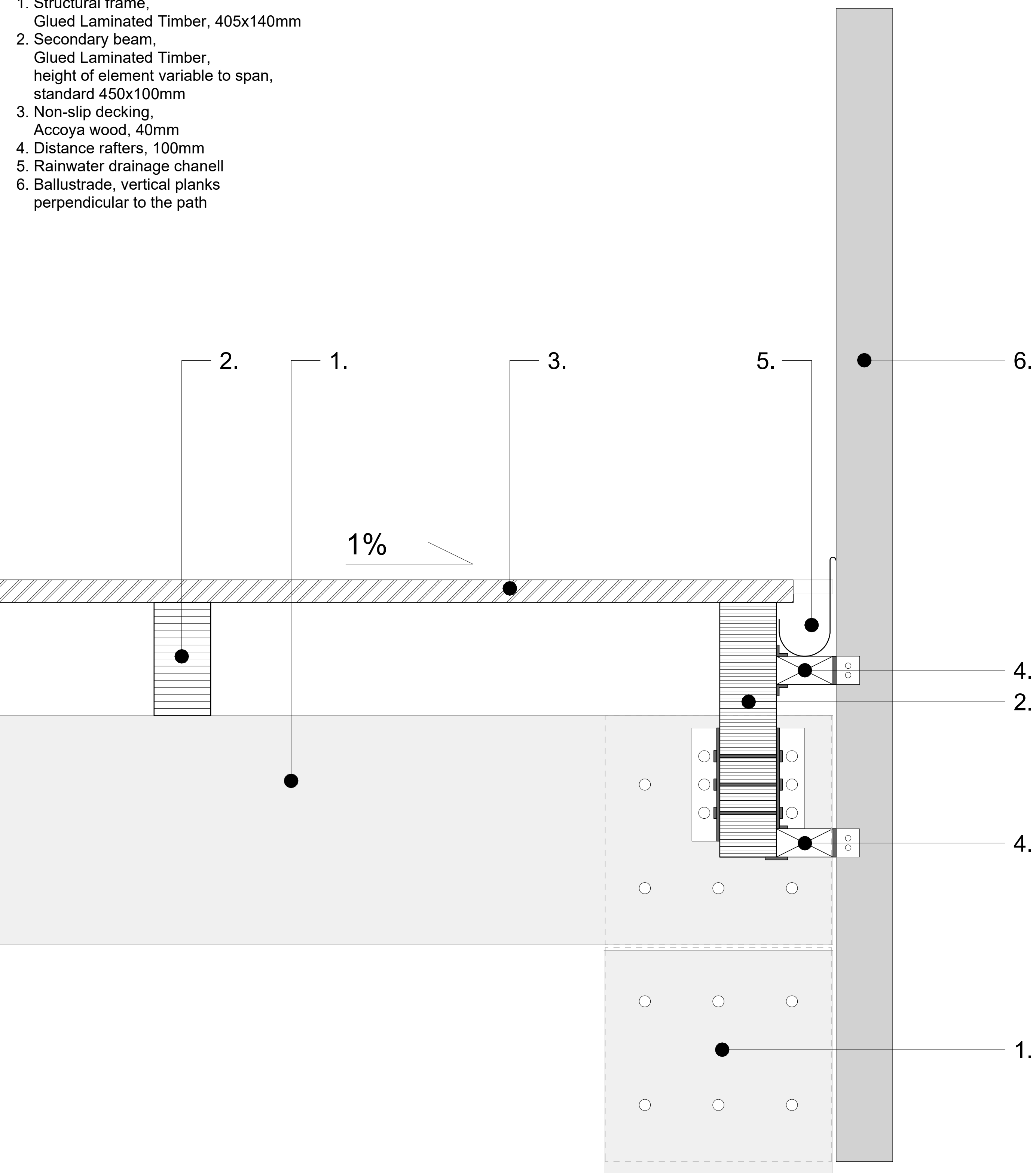
Structural diagrams:  
2. Glulam bridge elements fixed on top of the building - stability for the bridge

Structural diagrams:  
3. Secondary ramp (structure according to the bridge) attached to the main bridge structure



I. Ballustrade detail 1:5

1. Structural frame, Glued Laminated Timber, 405x140mm
2. Secondary beam, Glued Laminated Timber, height of element variable to span, standard 450x100mm
3. Non-slip decking, Accoya wood, 40mm
4. Distance rafters, 100mm
5. Rainwater drainage channel
6. Ballustrade, vertical planks perpendicular to the path



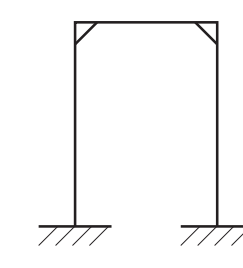
II. Vent. facade and roof detail 1:5

- Roof layers:
- Structural timber roof panel, Lignatur LFE, h=280 mm
  - Airtight membrane
  - Insulation, e.g. Rockwool, 100 mm
  - Granule-surfaced bitumen felt, 2 layers

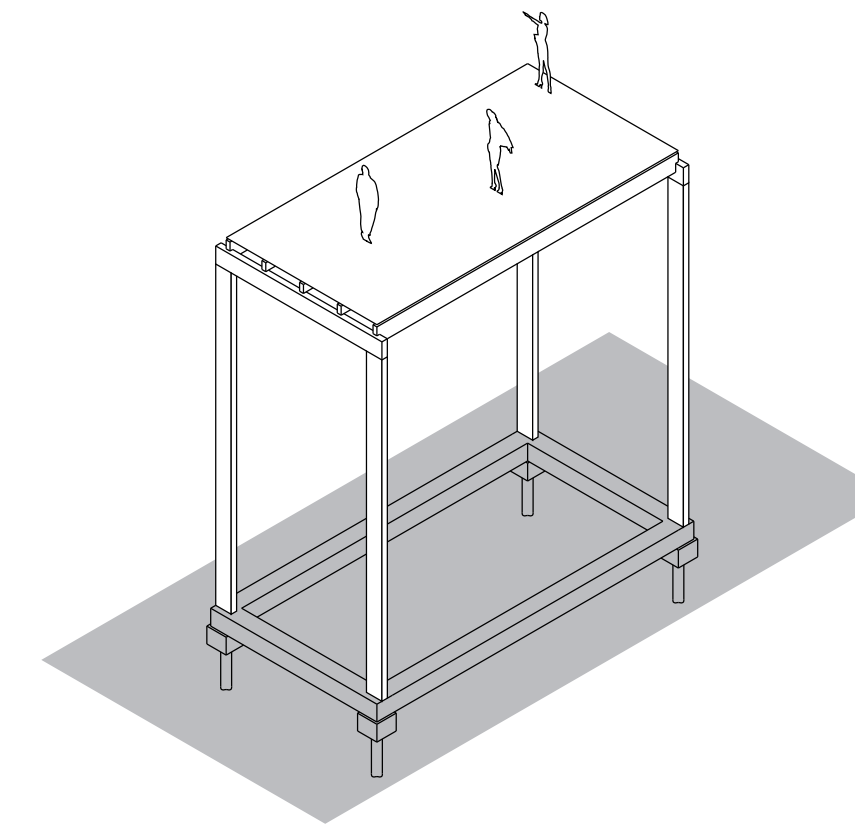
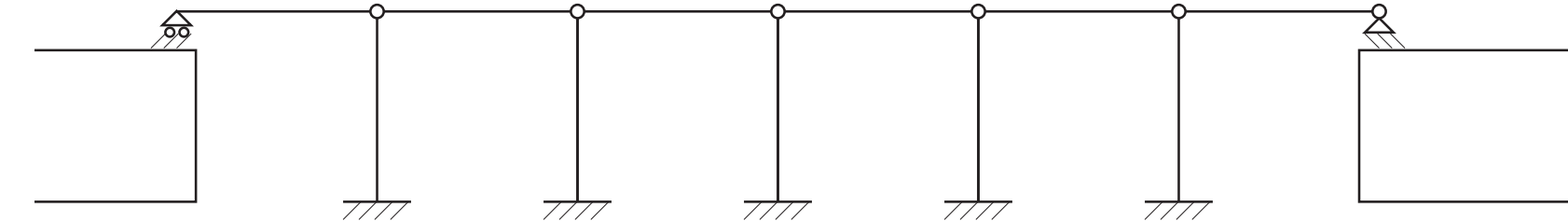
- Wall layers:
- CLT panel (vapour-tight), 200 mm
  - Insulation, e.g. Rockwool, 100 mm
  - Airtight membrane
  - Vertical battens, ventilation cavity, 40 mm
  - Horizontal battens, 40 mm
  - Facade cladding: alternating parallel and perpendicular Accoya planks (matching ballustrade), 20/100 mm

Bridge elements: linking public building to the ERA flat

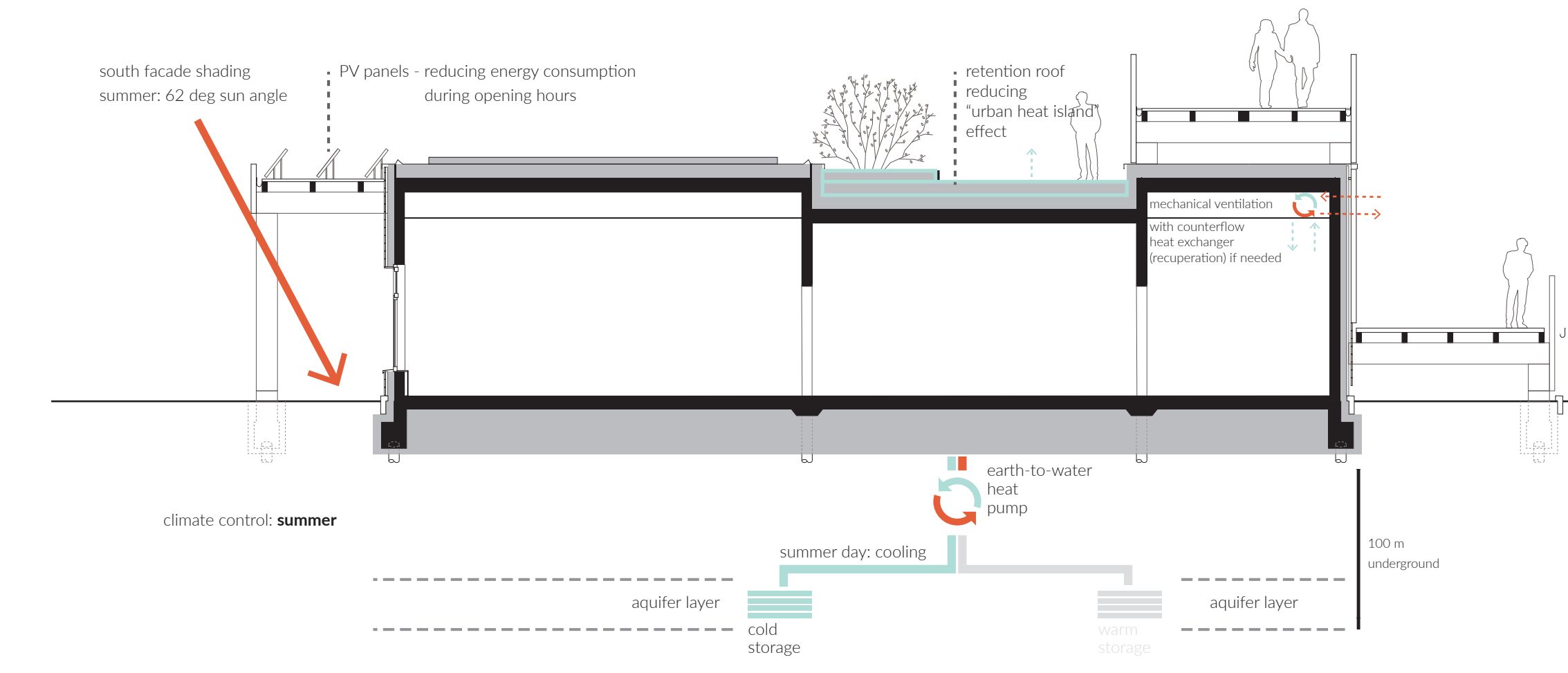
static situation: Bridge "portal": glulam frame and foundation



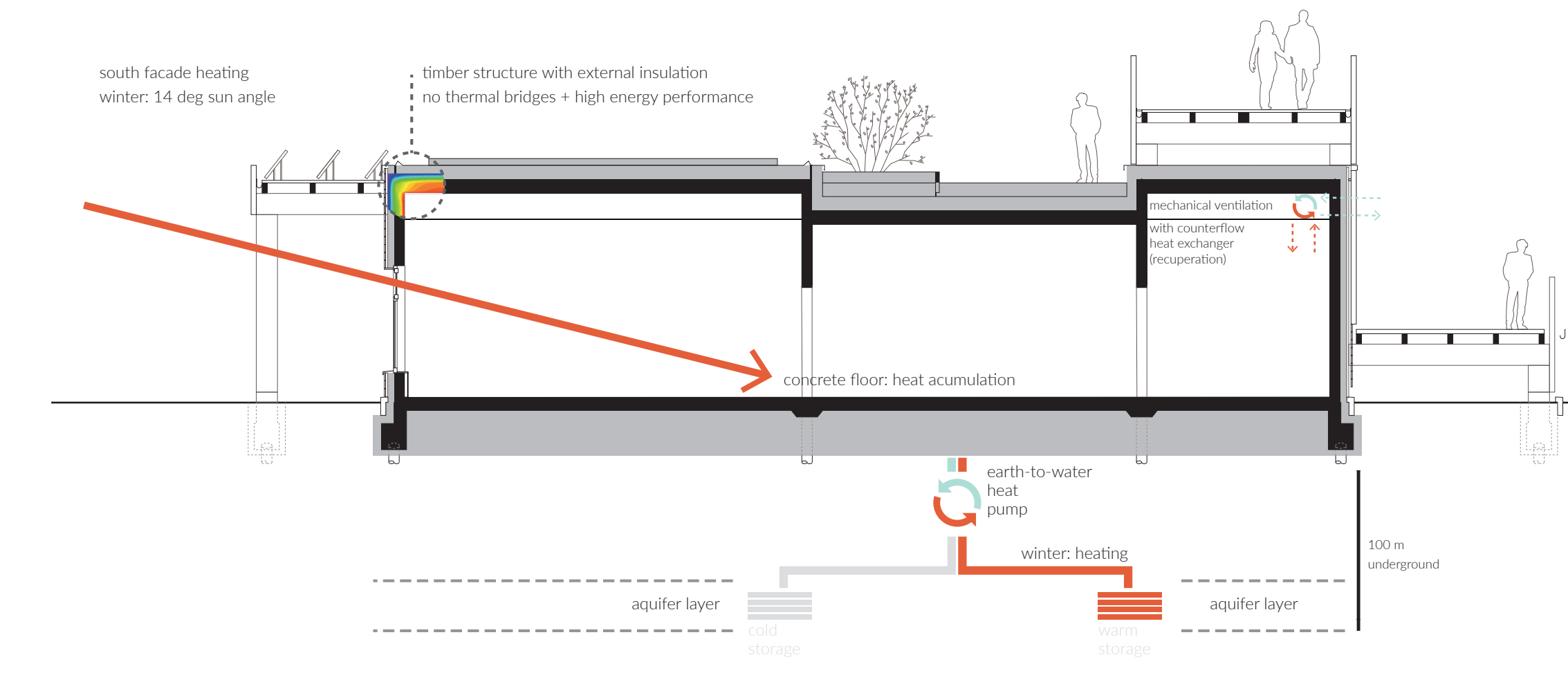
static situation: Bridge: Secondary beams between public building and housing block



climate control: winter



climate control: summer



III. Pile foundation and facade detail, 1:5

- Structural layers:
- CLT panel (vapour-tight), 200 mm
  - Adhesive joint: element glued to sole plate over entire surface upon assembly
  - Hilti resin anchor
  - Timber sole plate
  - Reinforced concrete floor and foundation foot
  - Pile foundation

- Insulation layers:
- Foundation insulation: XPS panels, 150 mm
  - "Geëxpandeerde kleikorrels" foundation insulation and workfloor
  - Waterproof insulation, bitumen felt
- Surface finishes:
- Polished concrete
  - Poured rubber playground surface
  - Soil

