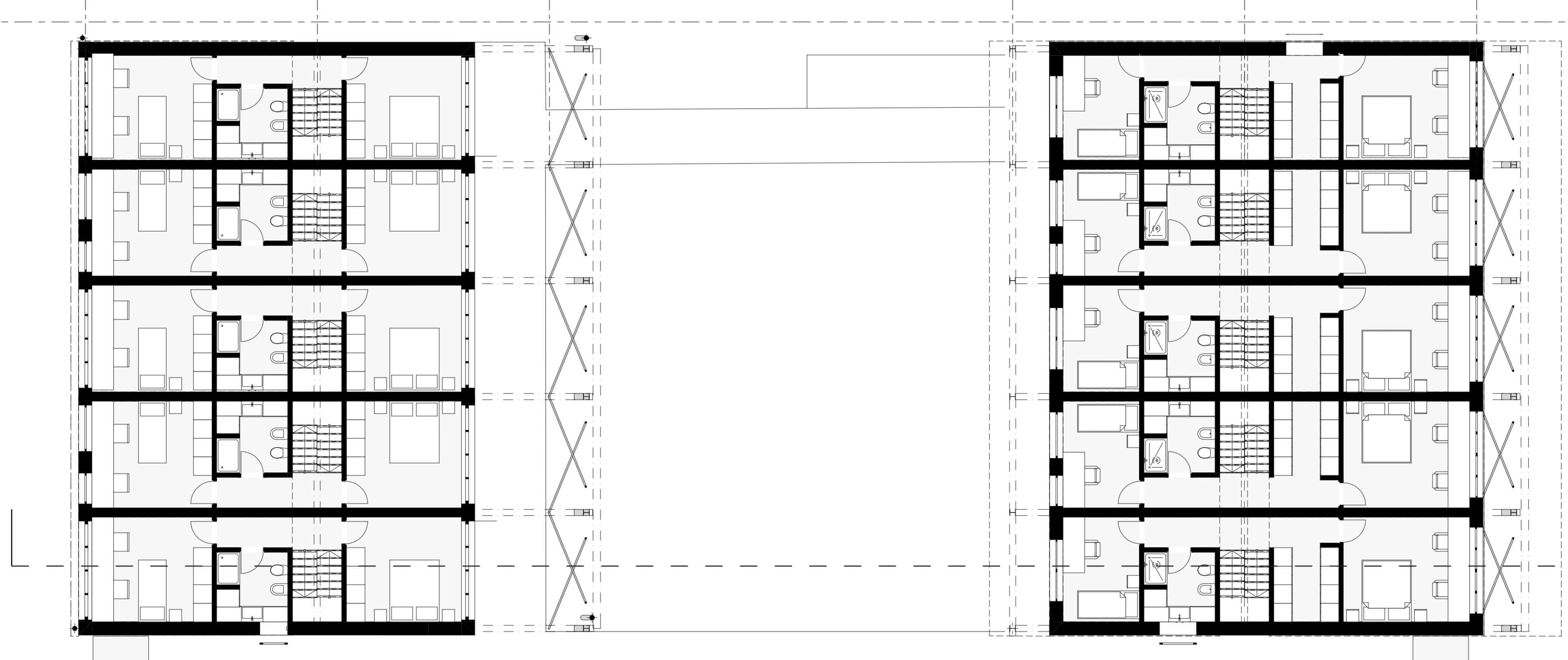
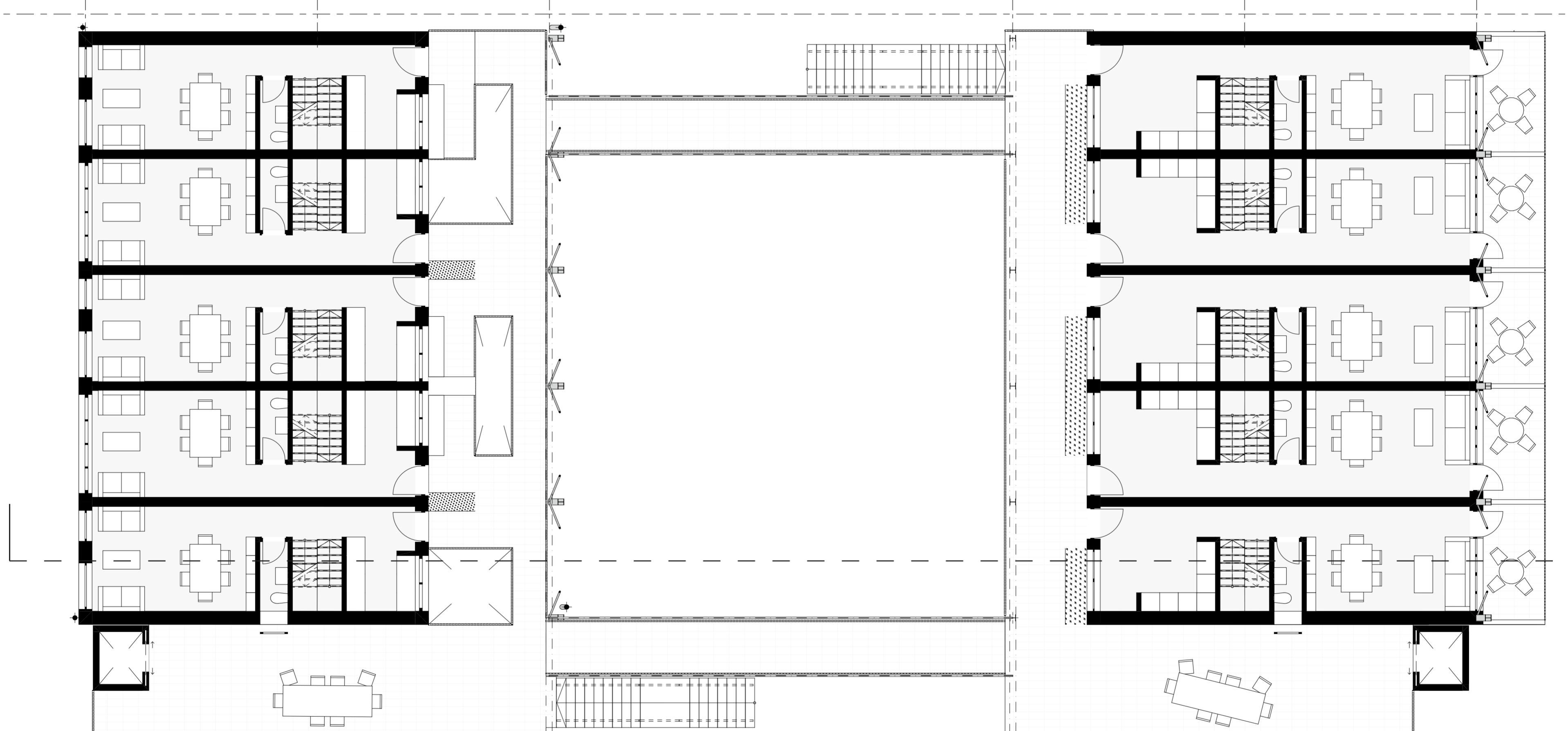


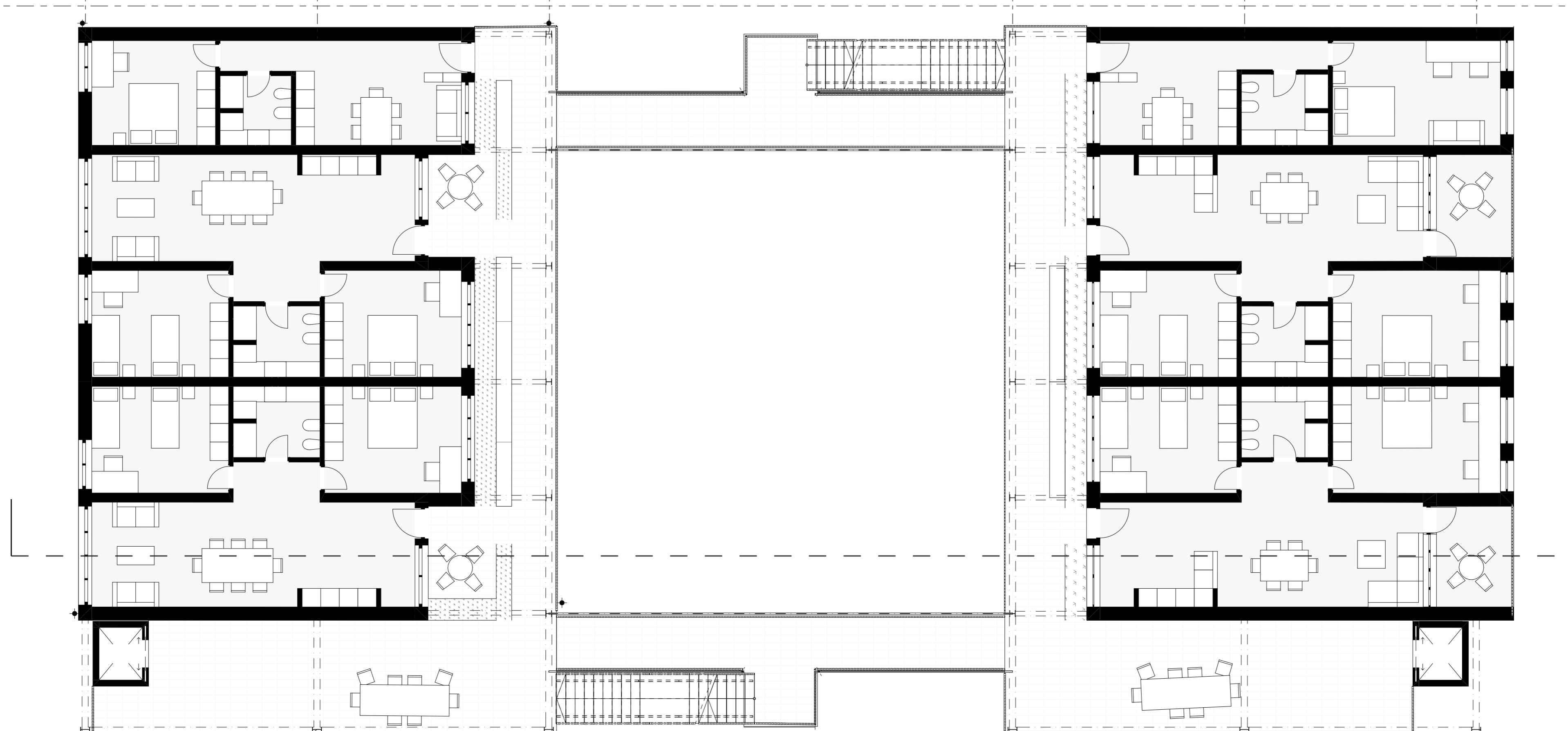
Longitudinal section - 1:100



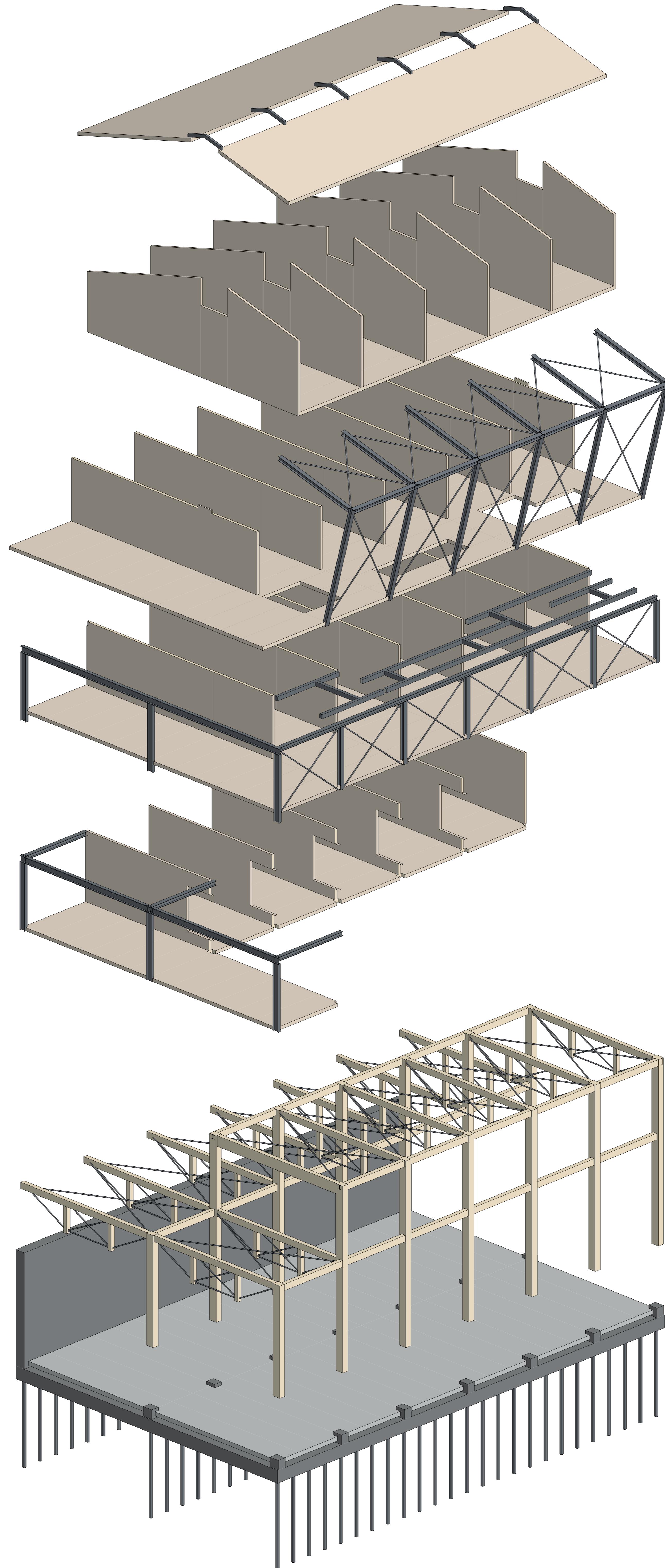
4th Floor plan - 1:100

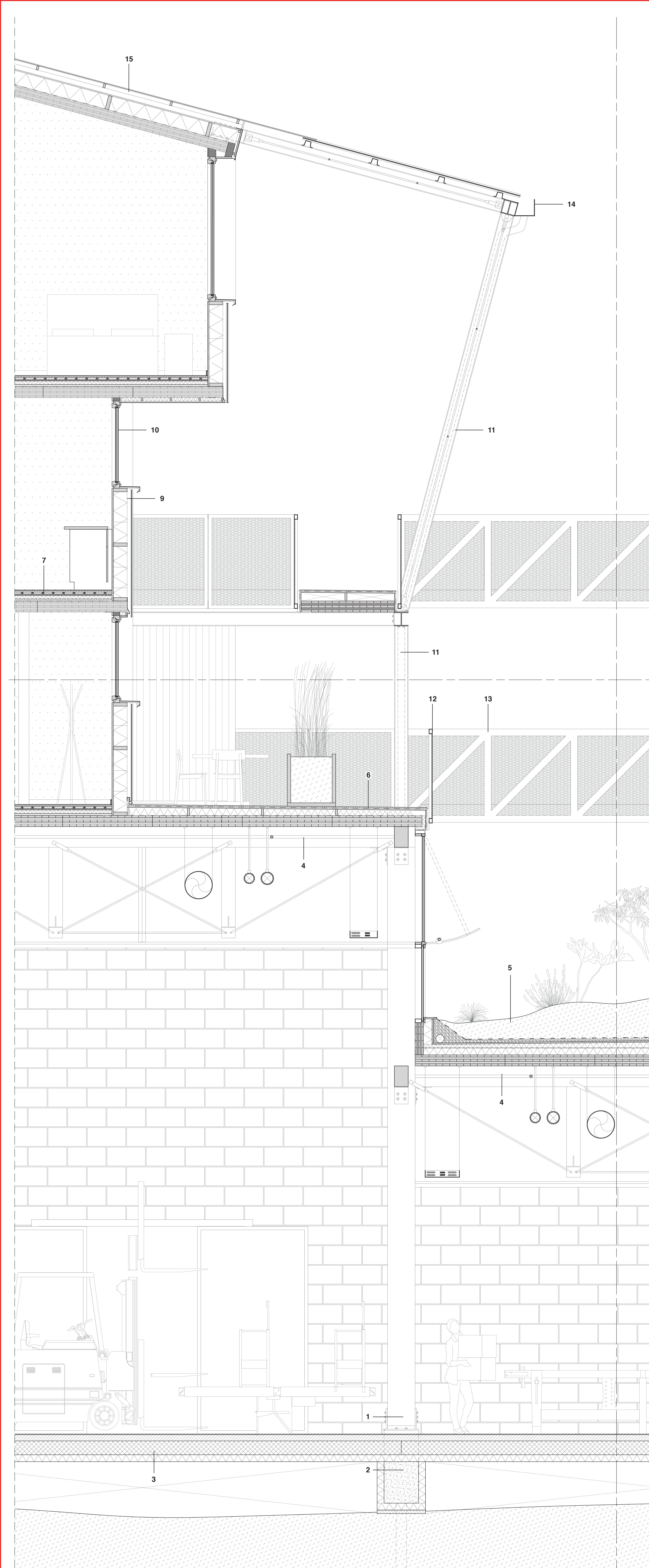


3rd Floor plan - 1:100



2nd Floor plan - 1:100





Vertical section I Perpendicular vertical section / Elevation I Horizontal section - 1:20

- Foundation beam 60x50cm; Pressure-proof insulation 10cm; Flattening screed 10cm.
- Column-foundation connection: Timber glue-laminated column 490x40x30cm; bolted and suspended to Steel base plate 2cm; connected with rebars to Concrete foundation column 45x50x50cm.
- Groundfloor slab: Concrete finish 2cm; Concrete screed 10cm; Hollow-core concrete slabs 750x120x20cm; EPS insulation 10cm; cavity.
- Timber-steel composite truss (span: 750cm; structural H:160cm used for technical installations). Composed of glue-lam beam 30x20cm, glue-lam posts 20x20cm and steel hollow circular chords and bracings d:2cm.
- Courtyard-workshop floor: Substrate >30cm; Root-proof textile; Aggregate draining layer 5cm; water drainage pipes at its ends d:10cm; waterproofing; OSB panels 2cm; Rockwool board to falls >5cm; Rockwool panel 10cm; Vapour barrier; CLT floor 375x125x16cm, 5-ply.
- Gallery-workshop floor: Exterior resin finish 2cm (=resin 1cm + primer + substrate); Waterproofing; OSB board 2cm; Rockwool board to falls >10cm; and timber joists; CLT floor 375x125x16cm, 5-ply.
- Apartment-apartment floor: Linoleum finish 1cm; OSB board 2cm; Dry floor heating 5cm (heating pipes d:1.6cm; within gypsum boxes; insulation in between; 2x gypsum board 2x1cm; rockwool board 5cm; Impact sound insulation board 3cm; Vapour barrier; CLT floor 375x125x16cm, 5-ply).
- Load-bearing apartment-apartment wall: CLT wall 8cm, 3-ply; cellulose insulation 7cm; gypsum board 1cm; gypsum board 1cm; cellulose insulation 7cm; CLT wall 8cm, 3-ply.
- Apartments' exterior stud wall: Cladding sheet (A,B,A: TPP 14-3 corrugated steel, ctc: 1.9cm, t0.5cm; B: translucent PLR glass-fiber, ctc: 5.1cm, t:1cm); Ventilated cavity 5cm; Timber stud structure (hor.: 20x5cm, ver.: 25x5cm, on which cladding is bolted). Filled with hemplime blocks 60x30x20cm. No waterproofing sheet (steel profiles at cavity top and bottom ensure insulation does not get wet); Vapour barrier; MDF board 2cm.



- Apartments' windows: Triple-glazing windows with composite frame: wooden interior, aluminium exterior.
- Steel structure balconies: Composed of HEA200 and IPE300 beams and columns, with cross-bracing steel rods d:2cm. Thermal bridge interrupters for beam-wall connections.
- Railing: frame of steel RHS 5x7cm; infilled with aluminium stretched sheets.
- Bridge: Pratt-type truss (span: 1500cm; structural H: 135cm) composed of steel RHS 10x5cm.
- Roof: Cladding sheet (A,B,A: TPP 14-3 corrugated steel, ctc: 1.9cm, t0.5cm; B: translucent PLR glass-fiber, ctc: 5.1cm, t:1cm); Timber cross-battens 5cm; Timber battens 7cm; Waterproofing; OSB board 2cm; Timber beams 20x5cm, filled with cellulose insulation; Vapour barrier; CLT floor 375x125x16cm, 5-ply.
- Gutter: Steel gutter 30x25cm. 2 drainage pipes per pitch, running along the steel columns.

15. Gutter: Steel gutter 30x25cm. 2 drainage pipes per pitch, running along the steel columns.