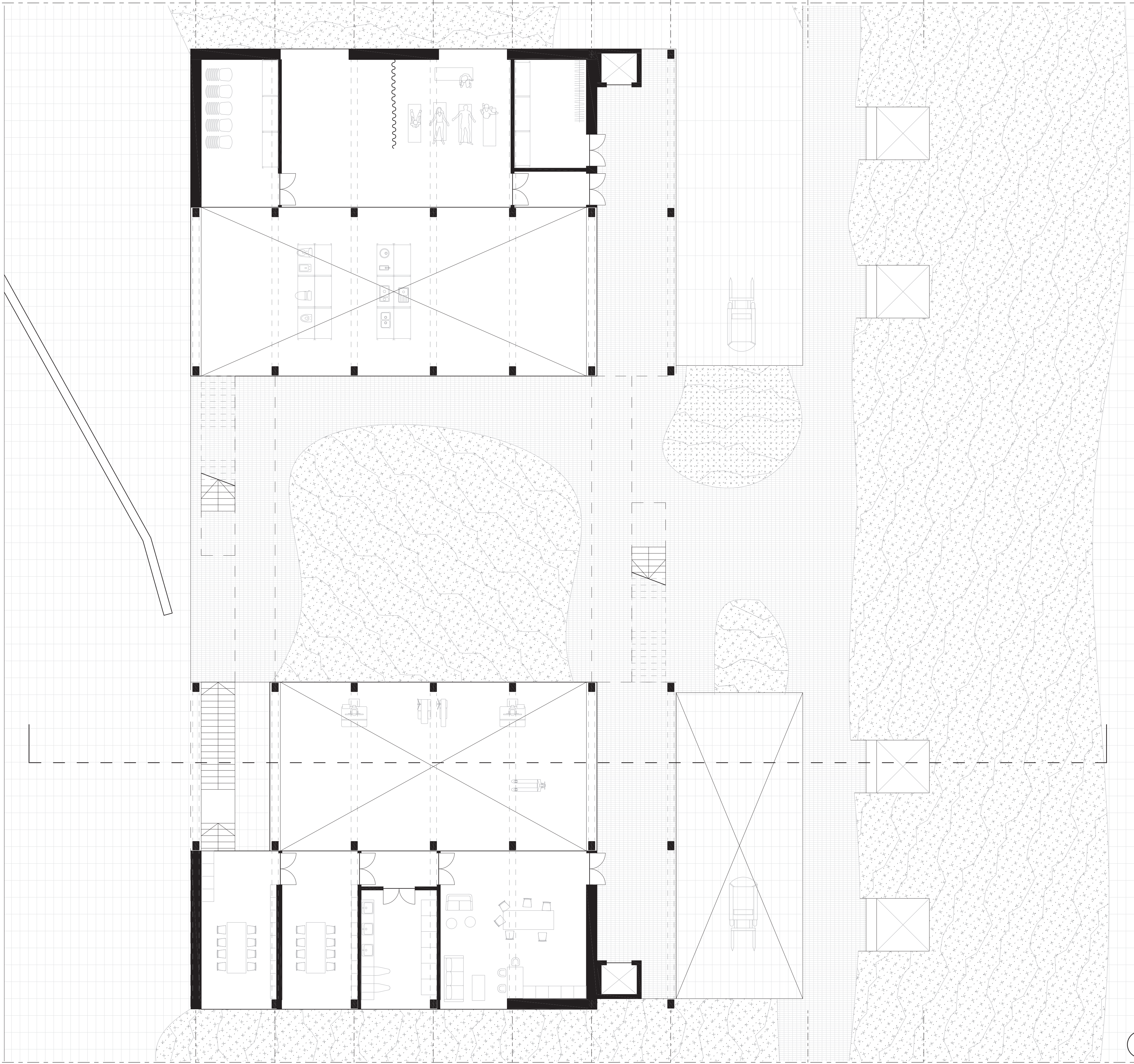
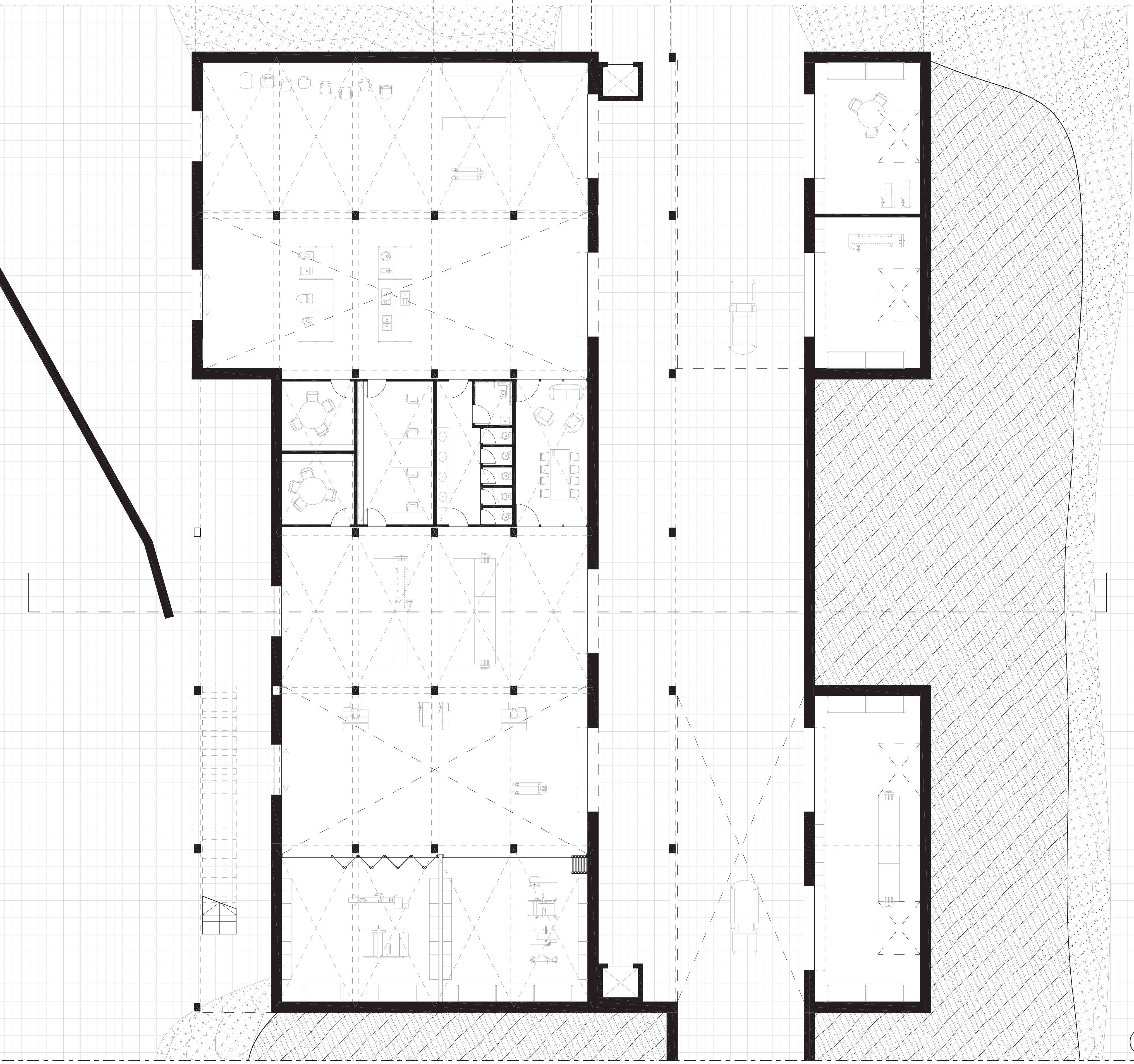


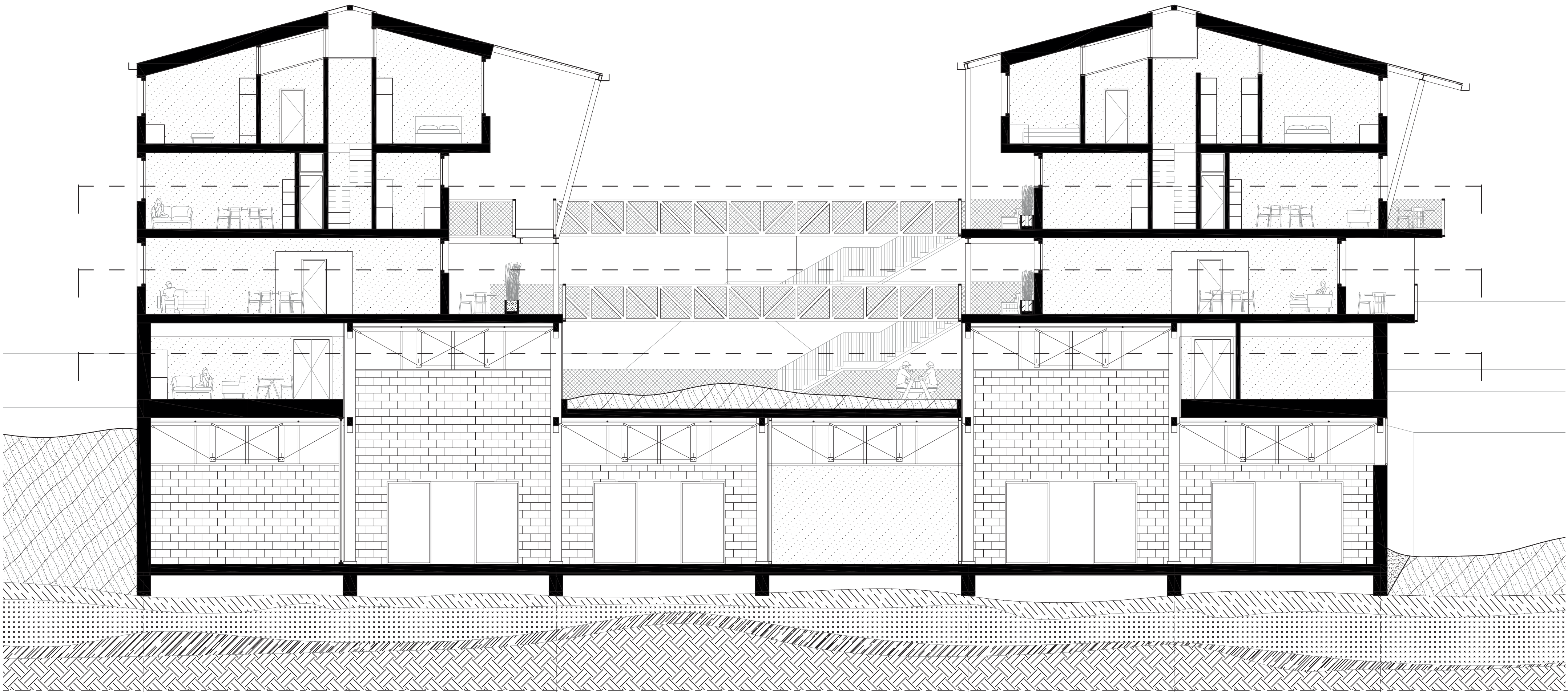
Transversal section - 1:100



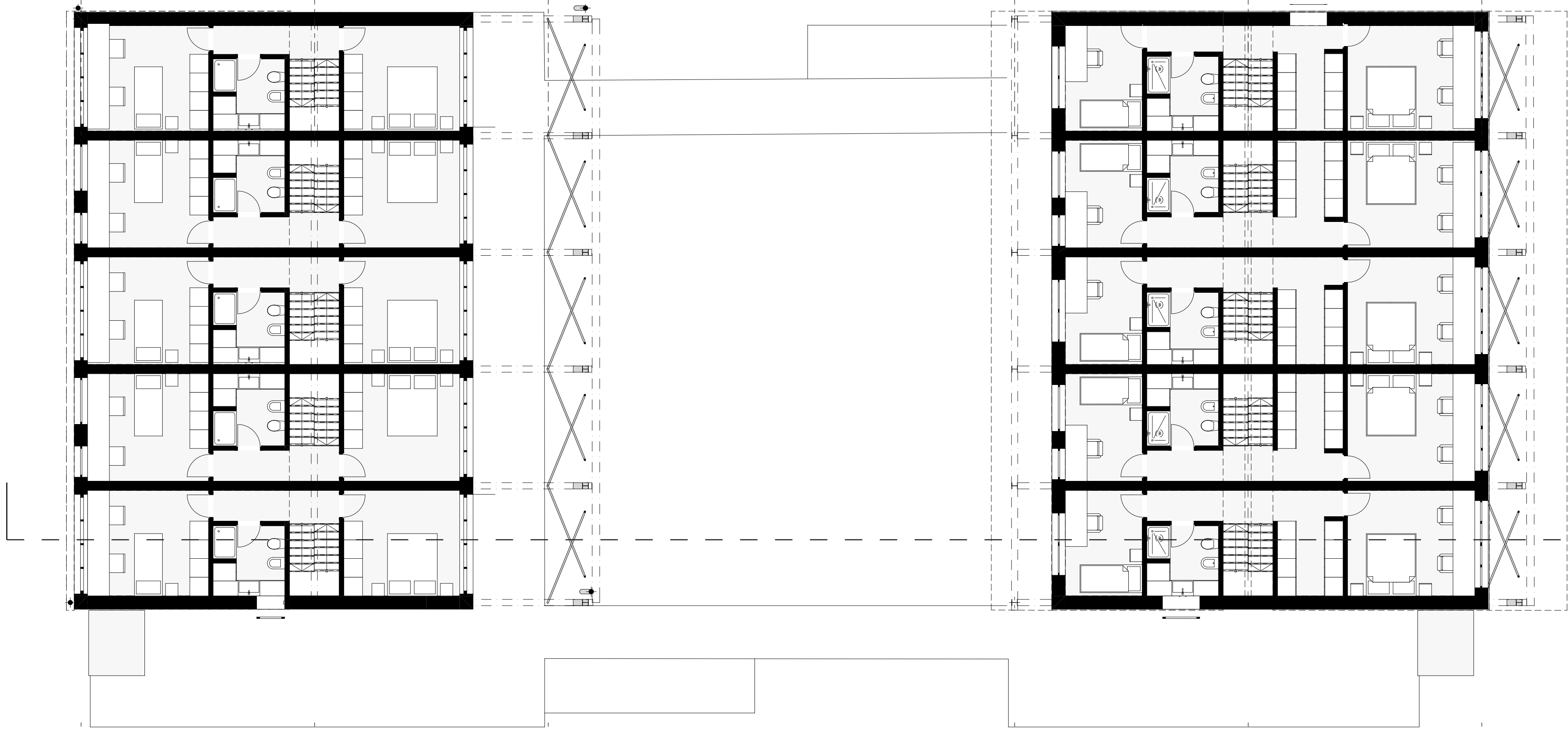
1st Floor plan - 1:100



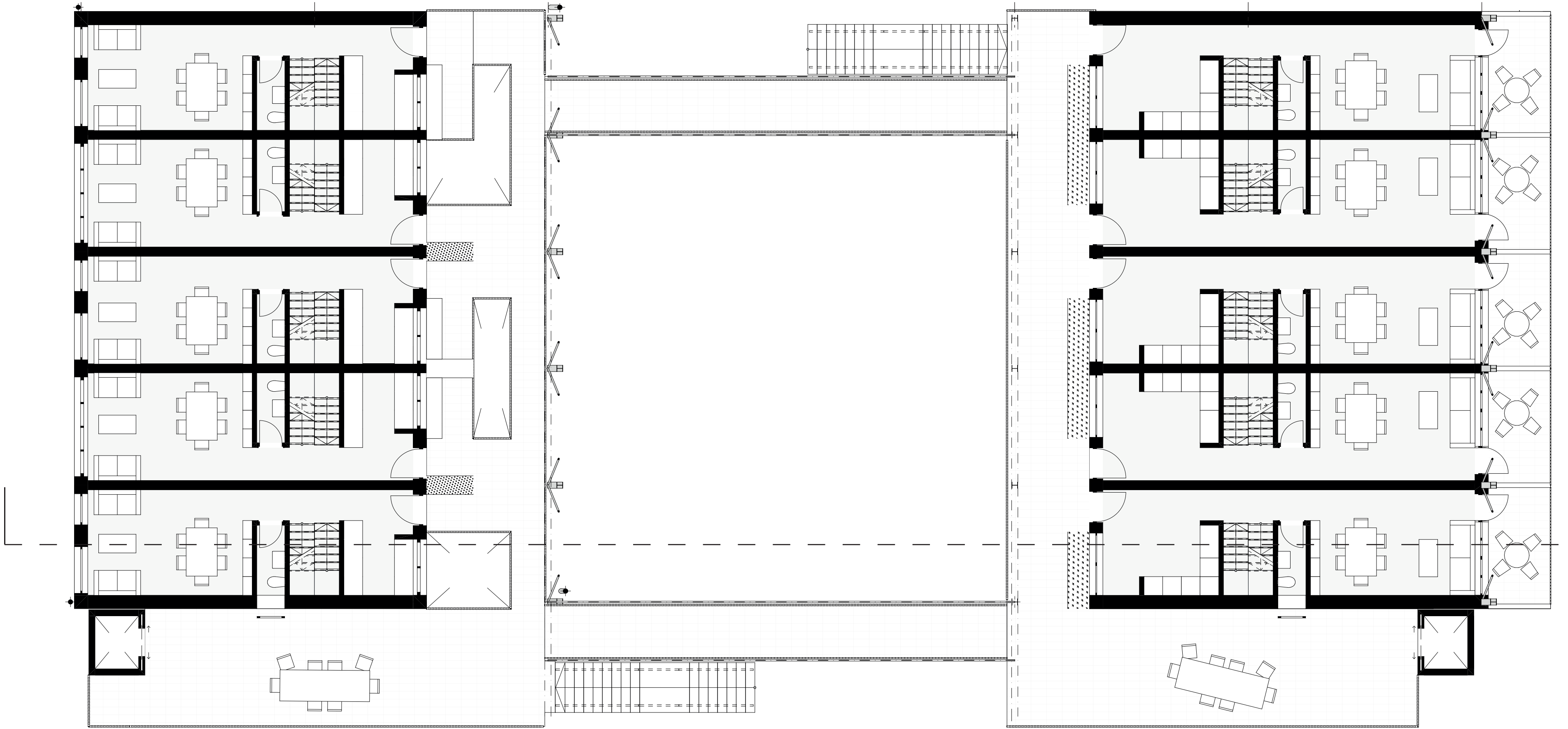
Ground Floor plan - 1:100



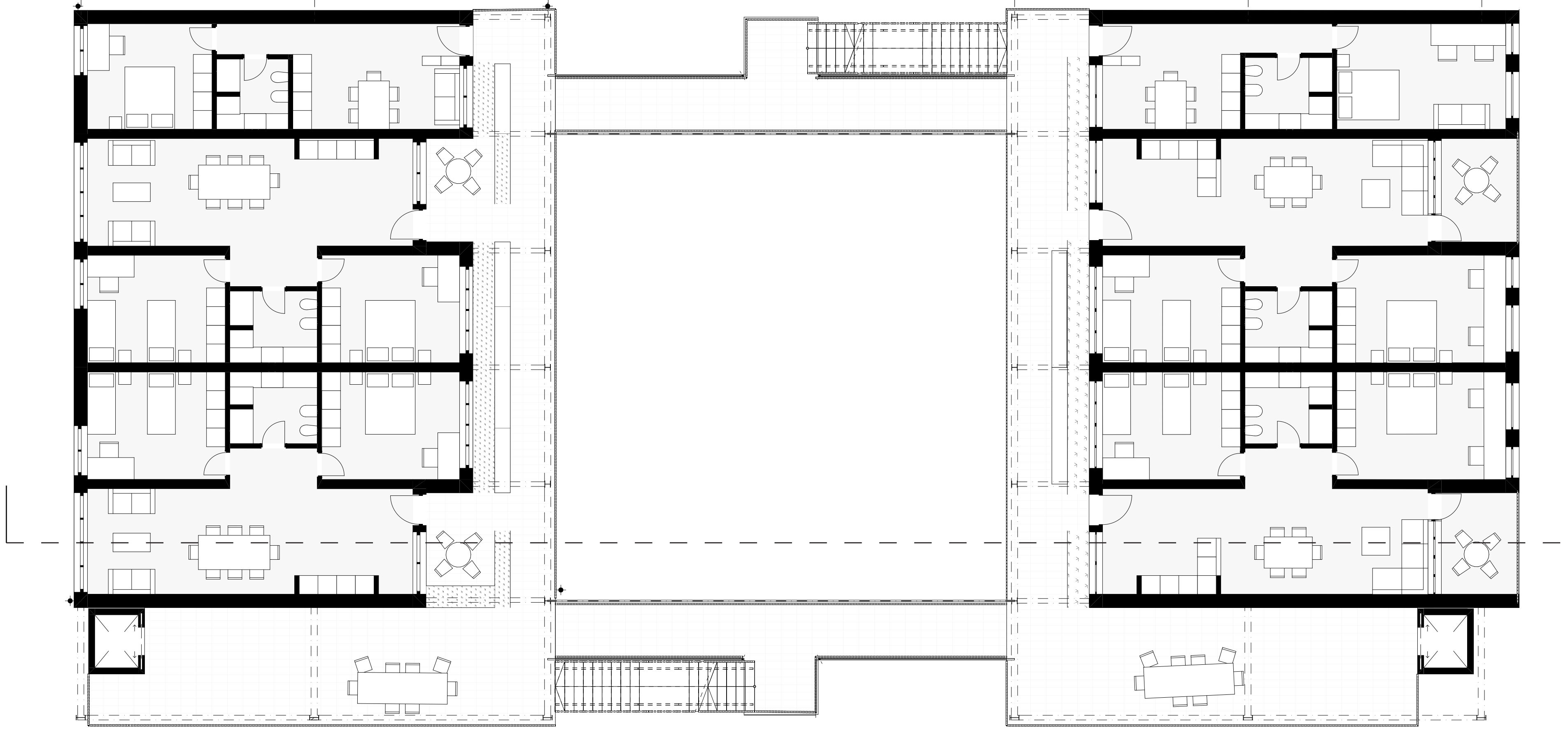
Longitudinal section - 1:100



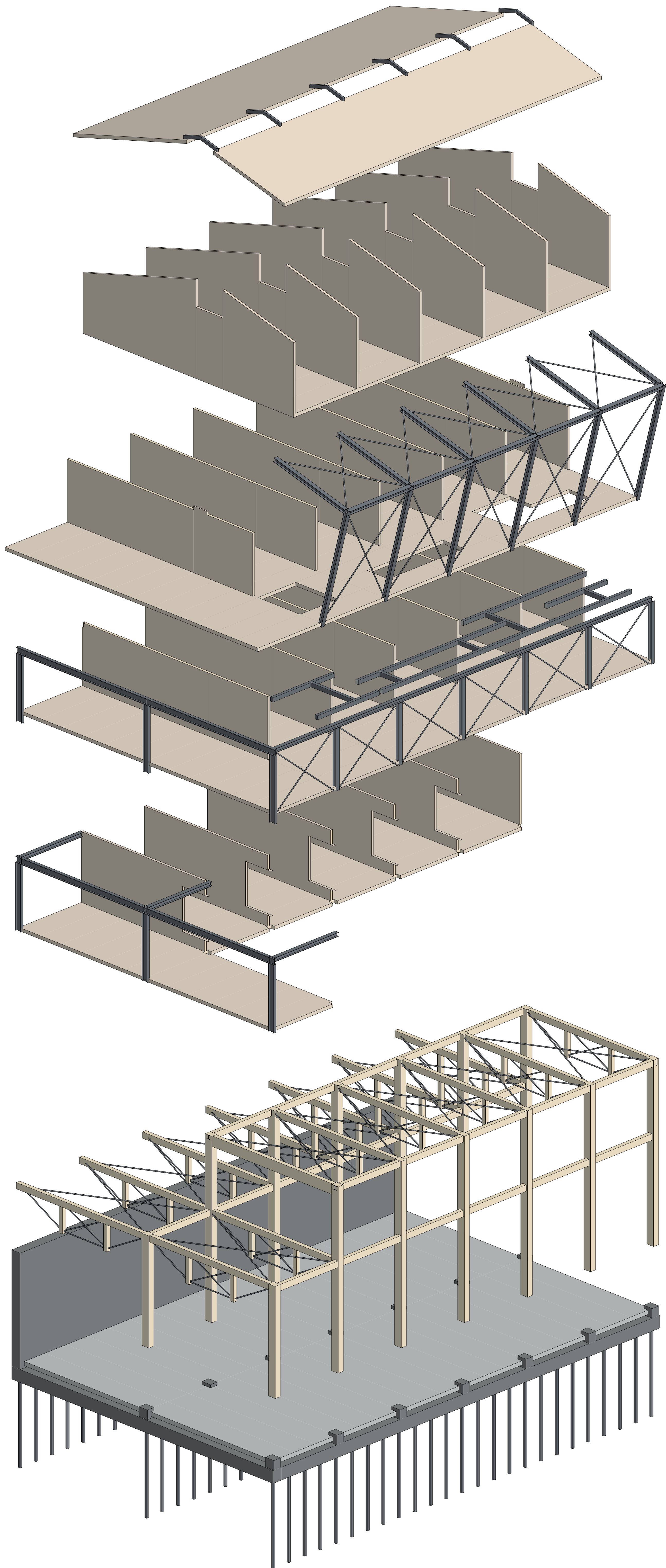
4th Floor plan - 1:100

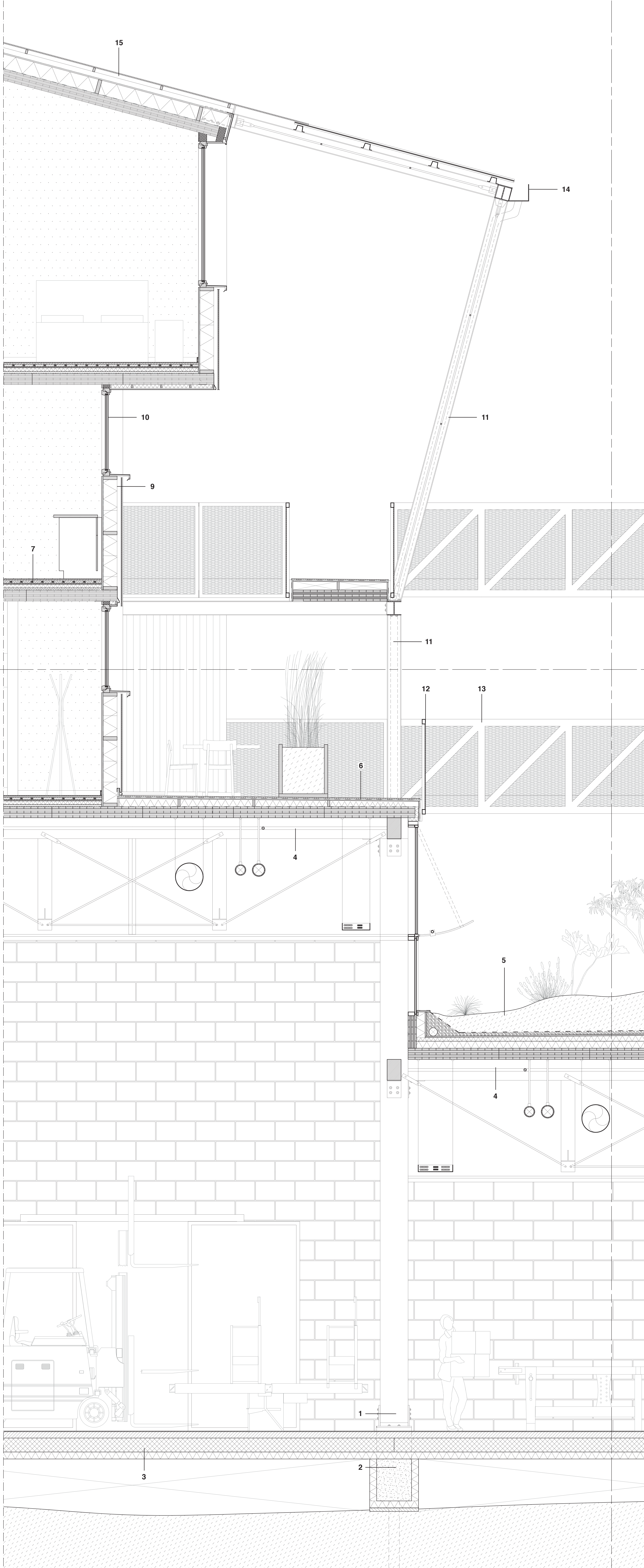


3rd Floor plan - 1:100



2nd Floor plan - 1:100





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

1. **Foundation beam** 60x50cm; Pressure-proof insulation 10cm; Flattening screed 10cm.
2. **Column-foundation connection:** Timber glue-laminated column 490x40x30cm; bolted and suspended to Steel base plate 2cm; connected with rebars to Concrete foundation column 45x50x50cm.
3. **Groundfloor slab:** Concrete finish 2cm; Concrete screed 10cm; Hollow-core concrete slabs 750x120x20cm; EPS insulation 10cm; cavity.
4. **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.
5. **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.
6. **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.
7. **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.
8. **Load-bearing apartment-apartment wall:** CLT wall 8cm, 3-ply; cellulose insulation 7cm; gypsum board 1cm; cavity 1cm, gypsum board 1cm; cellulose insulation 7cm; CLT wall 8cm, 3-ply.
9. **Apartments' exterior stud wall:** Cladding sheet (A,B, A: TPP 14-3 corrugated steel, ctc: 1.9cm, t:0.5cm; 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.



10. **Apartments' windows:** Triple-glazing windows with composite frame: wooden interior, aluminium exterior
11. **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.
12. **Railing:** frame of steel RHS 5x7cm; infilled with aluminium stretched sheets.
13. **Bridge:** Pratt-type truss (span: 1500cm; structural H: 135cm) composed of steel RHS 10x5cm.
14. **Roof :** Cladding sheet (A,B, A: TPP 14-3 corrugated steel, ctc: 1.9cm, t:0.5cm; 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.
15. **Gutter:** Steel gutter 30x25cm. 2 drainage pipes per pitch, running along the steel columns.