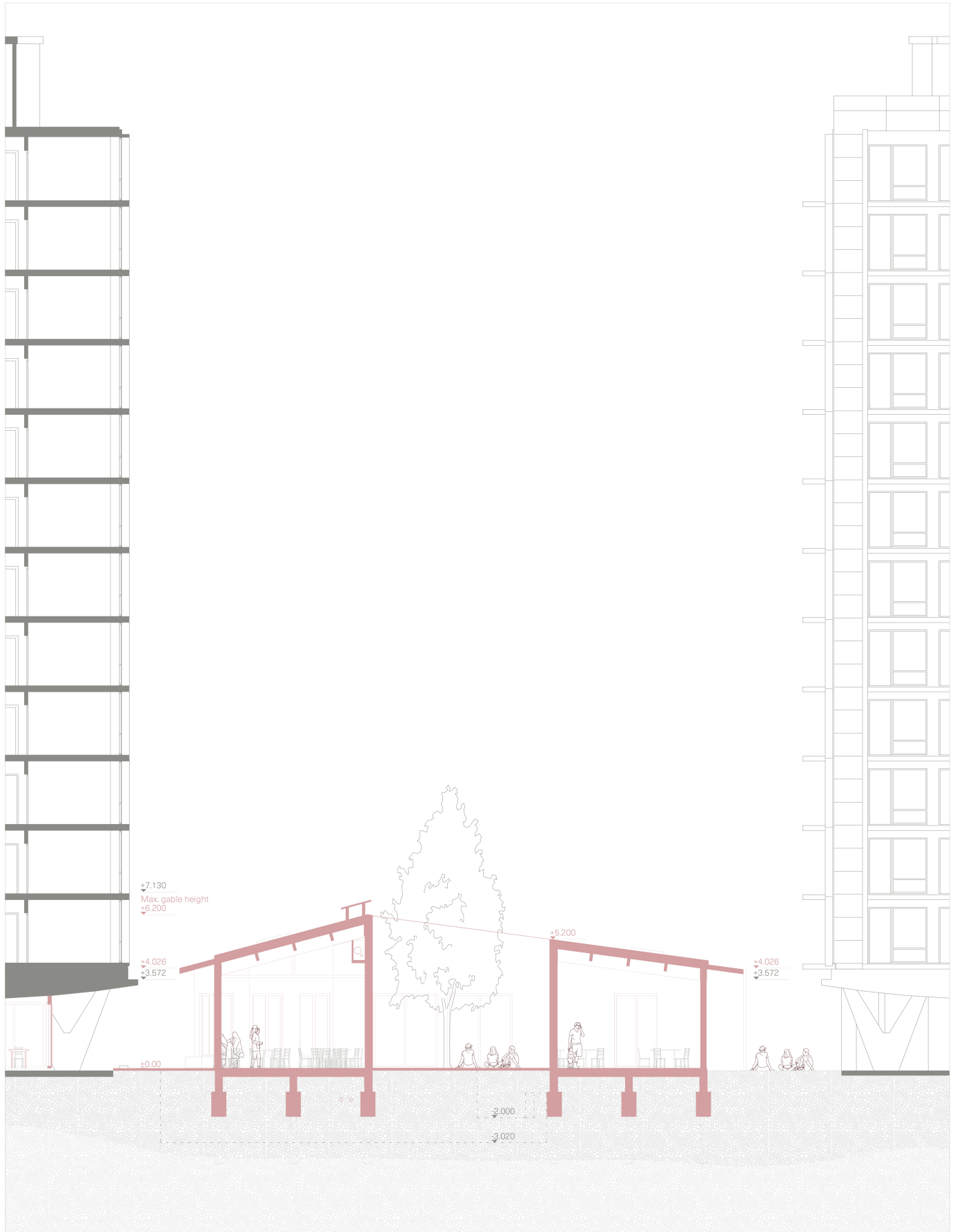


- existing structure
- newly erected structure
- fixed furniture / objects
- non-fixed furniture / objects

Floor Plan | Communal Kitchen Pavilion

1:50

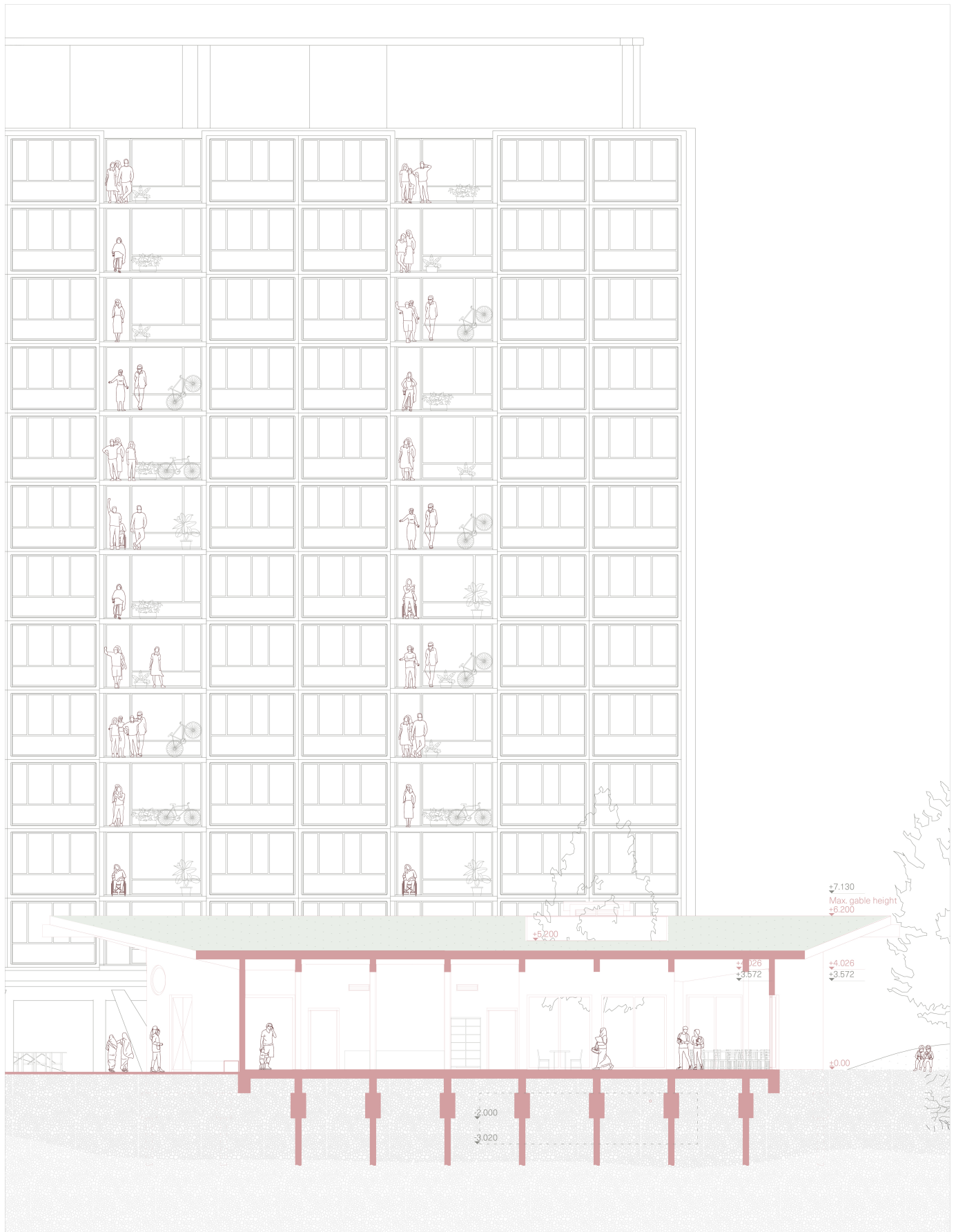


Cross Section | Communal Kitchen Pavilion



1:100

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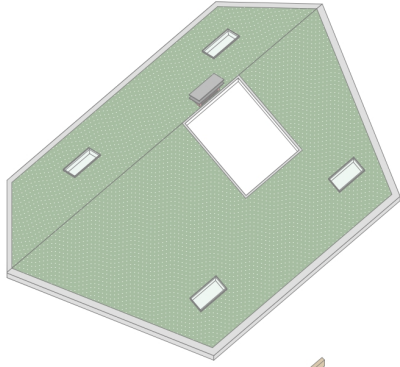


Longitudinal Section | Communal Kitchen Pavilion

⌚ 1:100

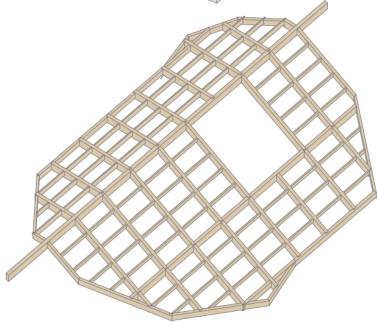
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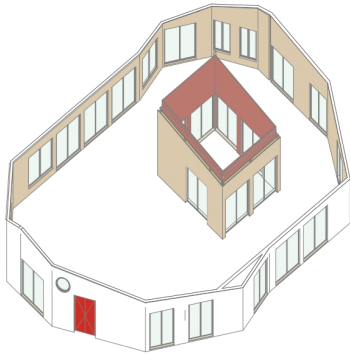
intensive green roof

comes in use to the building's climatic properties and contributes to greater biodiversity in Droixhe's dense urban environment



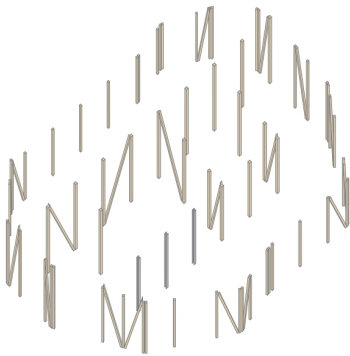
glulam frame structure

provides greater flexibility for the internal spatial layout



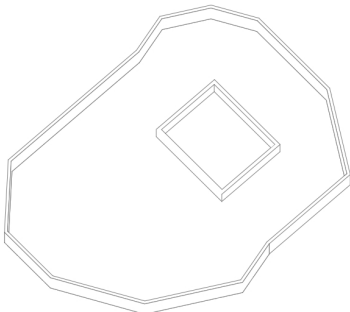
timber frame facade panels

timber frame facade panels with tile cladding from recycled debris

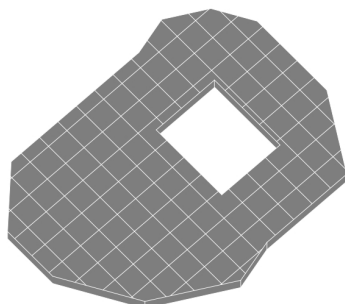


reclaimed IPE steel columns + CLT glulam columns

partially reclaimed IPE steel columns from run-down industrial buildings in Bressoux



precast concrete ring beam



insulated precast flooring system panels

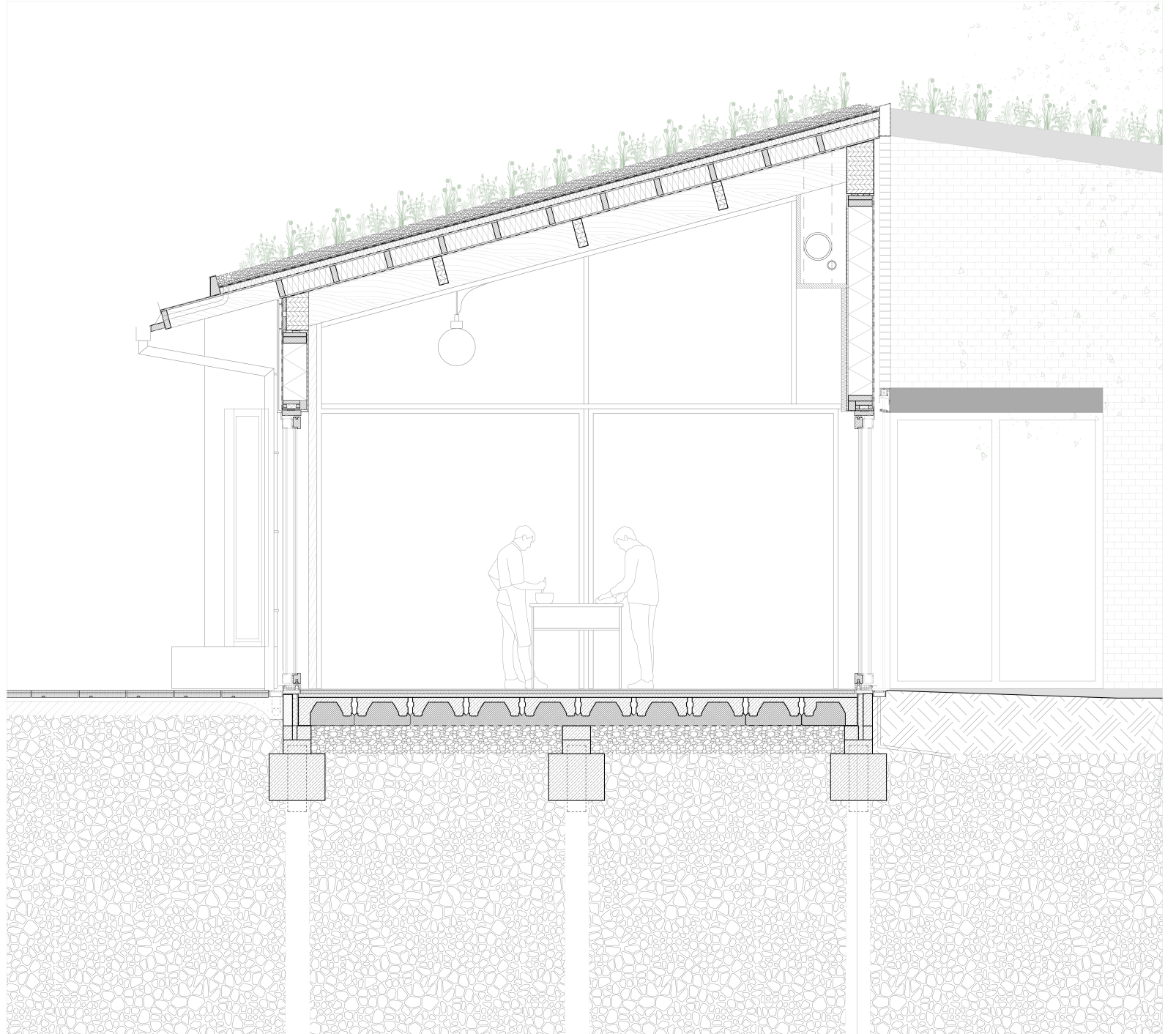
were chosen to ensure durability, fast construction, less site excavation and possibility for complete future disassembly

Structural Diagram

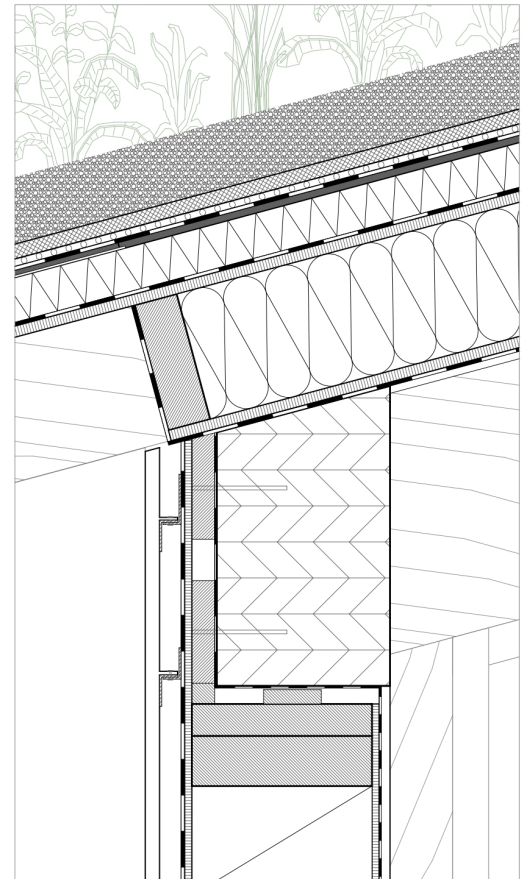
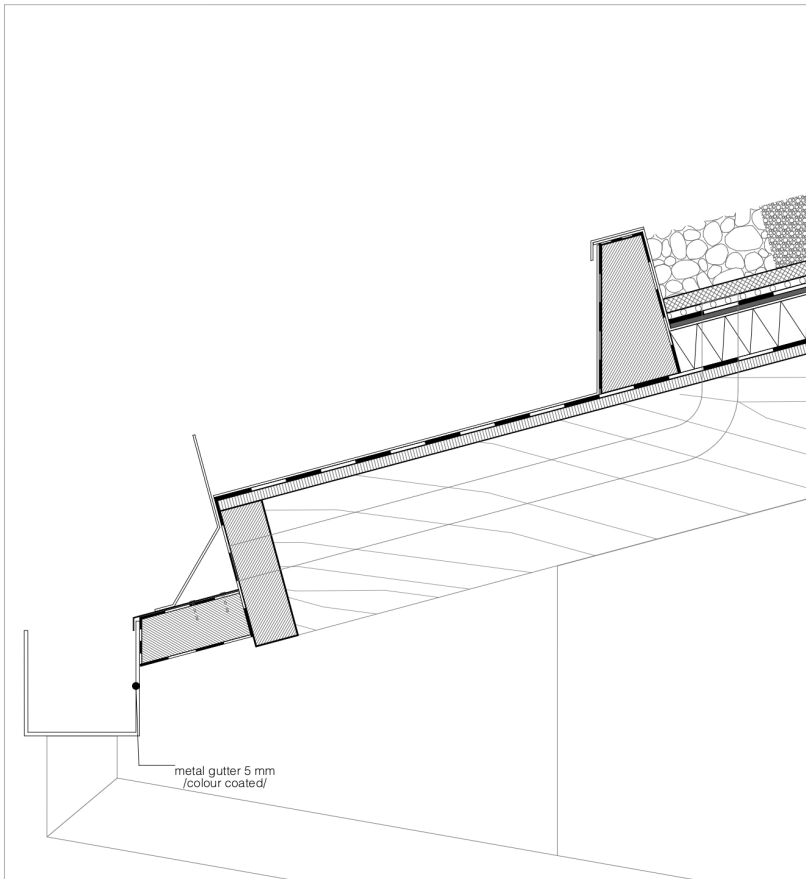
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1. Roof structure



2. Wall structure

3. Floor structure

1. Roof structure:

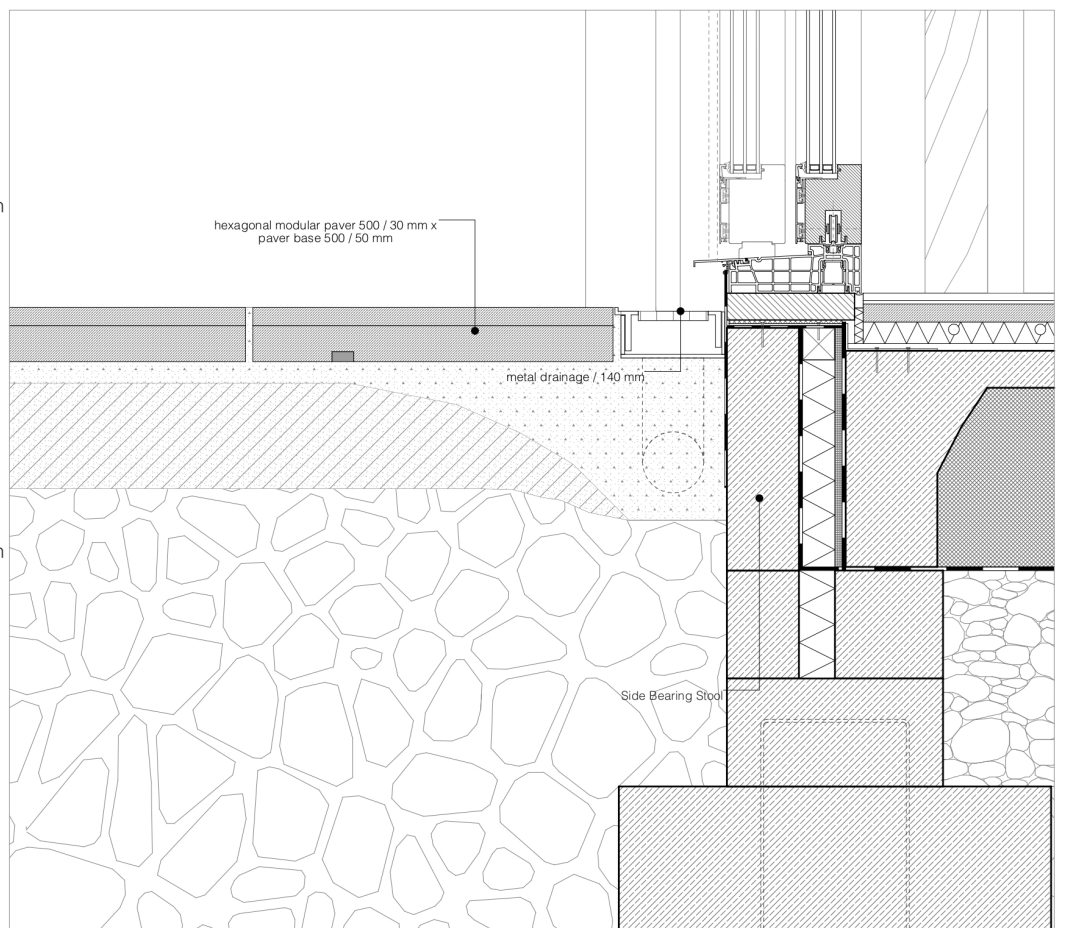
vegetation
 substrate 60 mm
 filter fleece
 drainage layer
 root penetration/polyethylene film
 waterproofing
 XPS insulation 60 mm
 separation layer
 solid timber panel, timber studs with thermal insulation, wood fibre insulation, 180 mm covered with timber strips 15 mm
 vapour barrier
 cross-laminated timber beam 400x200mm
 acoustic cork panel 20 mm

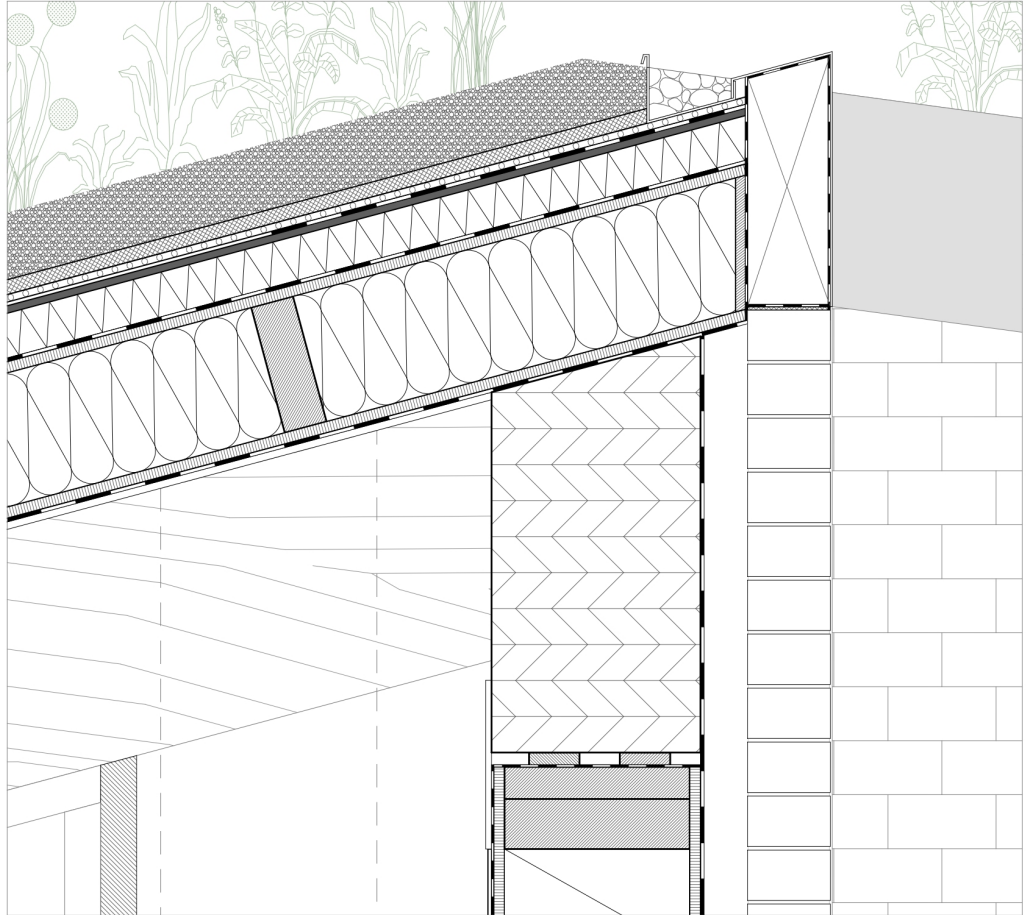
2. Wall structure:

fibre cement panel 750 mm x 30 mm
 substructure, steel profile system attached to the timber strip
 wind seal 7 mm
 timber strip, horizontal 10 mm, vapour barrier
 solid timber panel, timber studs with thermal insulation, wood fibre insulation 250 mm
 timber strip, horizontal 10 mm, vapour barrier
 wood fibreboard 15 mm

3. Floor structure:

linoleum 15 mm
 underlayment 30 mm
 screed 40 mm
 impact sound insulation with underfloor heating 30 mm
 self-leveling compound
 insulated precast flooring system (high-performance expanded polystyrene (EPS) insulation + structural-grade reinforced concrete) 597x597x300 mm (per block)
 damp proof membrane





1. Roof structure

2. Wall structure

1. Roof structure:
 vegetation
 substrate 60 mm
 filter fleece
 drainage layer
 root penetration/polyethylene film
 waterproofing
 XPS insulation 60 mm
 separation layer
 solid timber panel, timber studs with
 thermal insulation, wood fibre
 insulation, 180 mm covered with
 timber strips 15 mm
 vapour barrier
 cross-laminated timber beam
 400x200mm
 acoustic cork panel 20 mm

2. Wall structure:
 facing brickwork (upcycled block
 bricks)
 149x115x70 mm
 air layer 40 mm
 sarking sheet
 DWD board 15 mm
 timber strip, horizontal 10 mm,
 vapour barrier
 solid timber panel, timber studs with
 thermal insulation, wood fibre
 insulation 250 mm
 timber strip, horizontal 15 mm,
 vapour barrier
 insulated installation layer 55 mm
 plasterboard 10 mm

