Ground Floor - Existing Situation
1:200
Third Floor - Existing Situation
1:200
Roof - Existing Situation
1:200
South-East Facade
1:200
Cross Section
1:200
Roof structure:
- Gravel
- Bitumen (recycled)
- Sloped insulation
- Insulation (Isovlas) 120 mm
- Insulation (EPS, reused) 80 mm
- Vapor-resistant layer
- CLT element 180 mm
P = +10500

P = +7000
Facade structure:
- Timber window frame
- Double glazing (HR++)

Existing Wall structure:
- Brickwork 100 mm
- Cavity 40 mm
- Insulation 80 mm
- Prefab concrete wall 200 mm
Floor structure:
Terrazzo floor tiles (recycled)
Sand
**Floor structure:**

Finish floor
Floor heating 50 mm
Insulation (isovlas) 90 mm
CLT element 180 mm
New floor structure:
- Finish floor
- Floor heating 50 mm
- Insulation (isovlas) 90 mm
- CLT element 180 mm

Concrete structure:
- Concrete beam 400 x 400 (reused)
- Concrete column 400 x 400 (reused)
Existing wall structure:

- Brickwork 100 mm
- Cavity 40 mm
- Insulation 80 mm
- Prefab concrete wall 200 mm
New wall structure:
- Green facade (living wall system)
- Double pane, reflective glass panel (reused)
- Wood cladding
- Insulation (isovlas) 180 mm
- Timber framing
- CLT 100 mm
- Wall finish