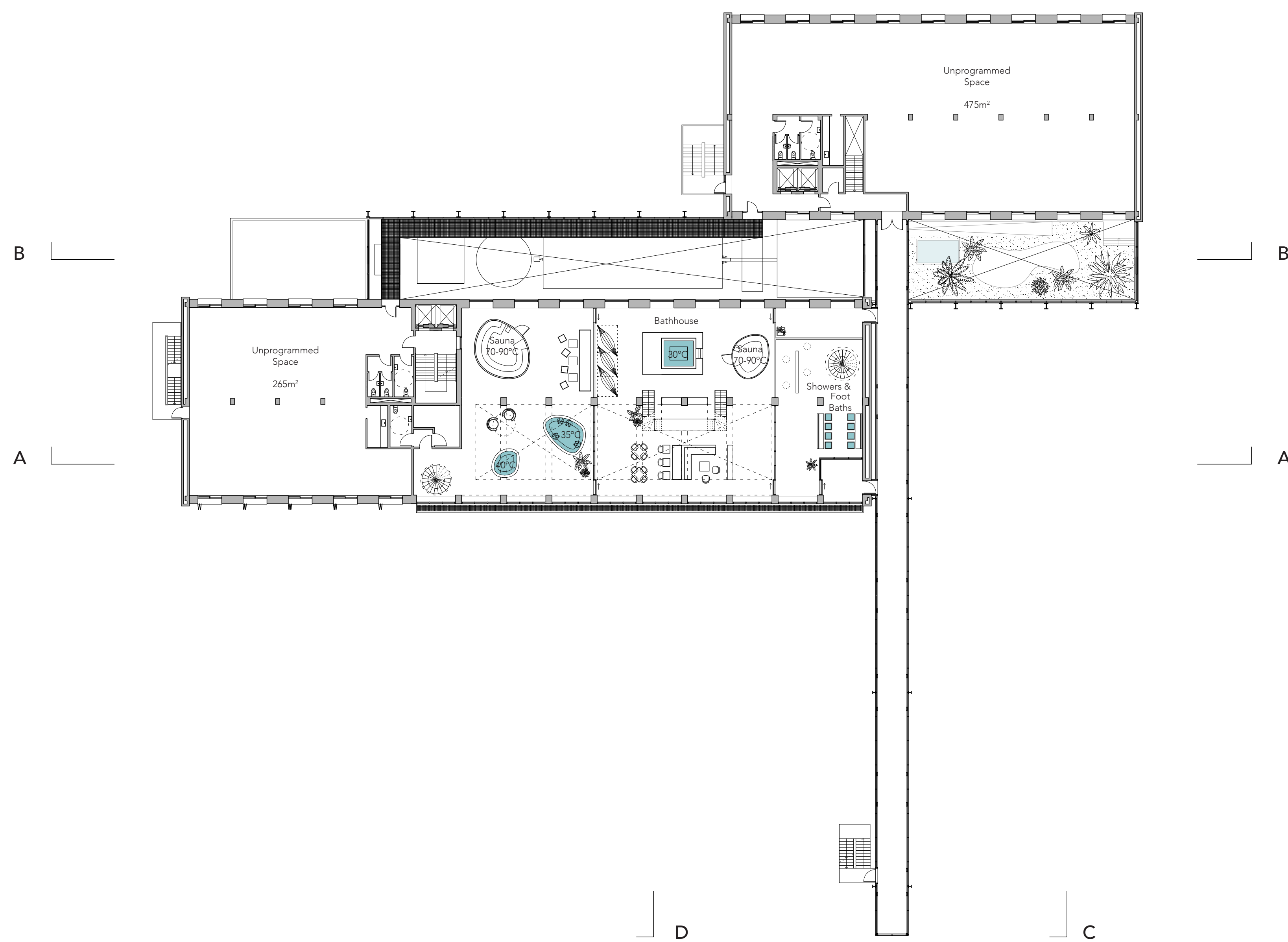
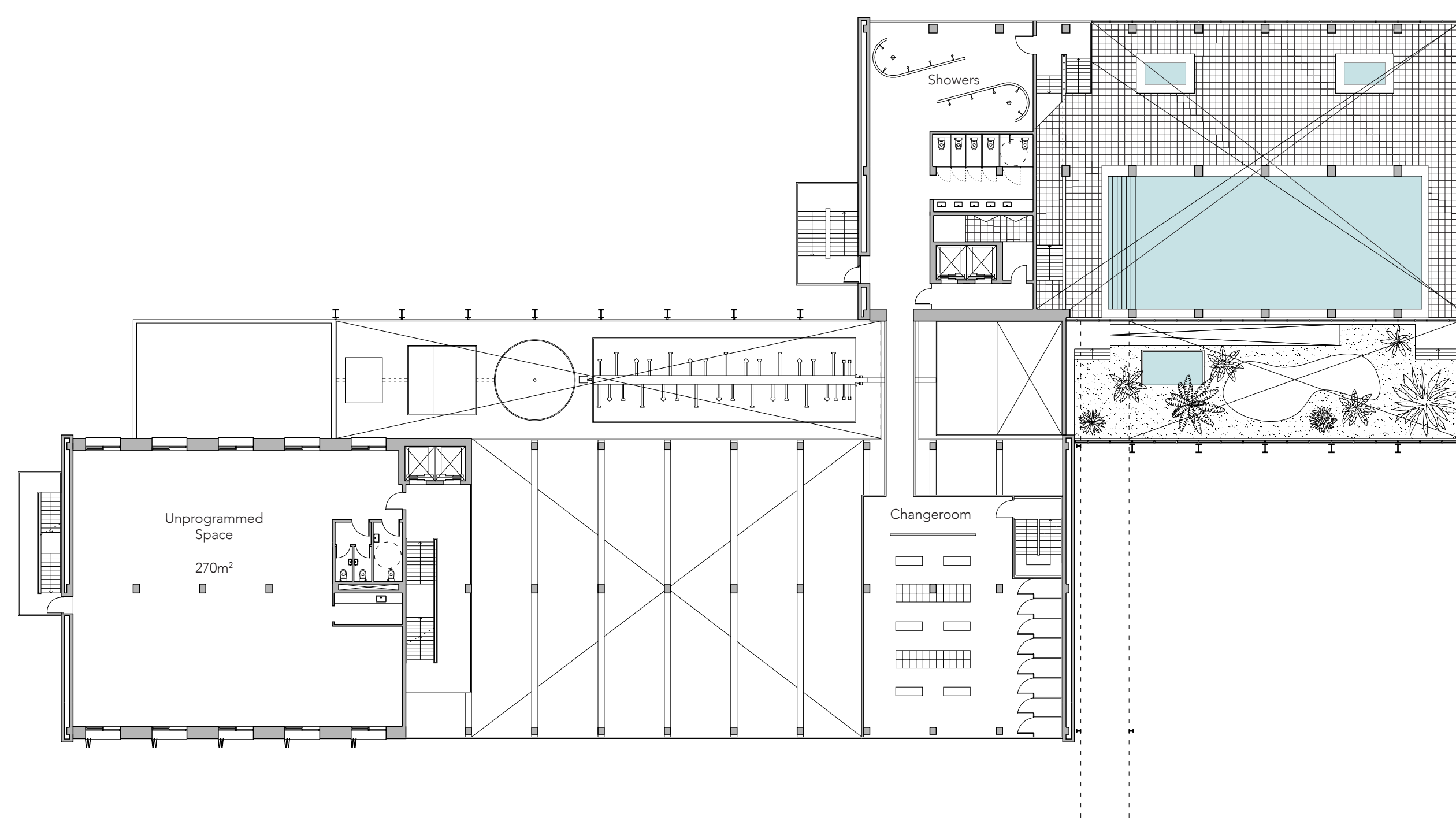


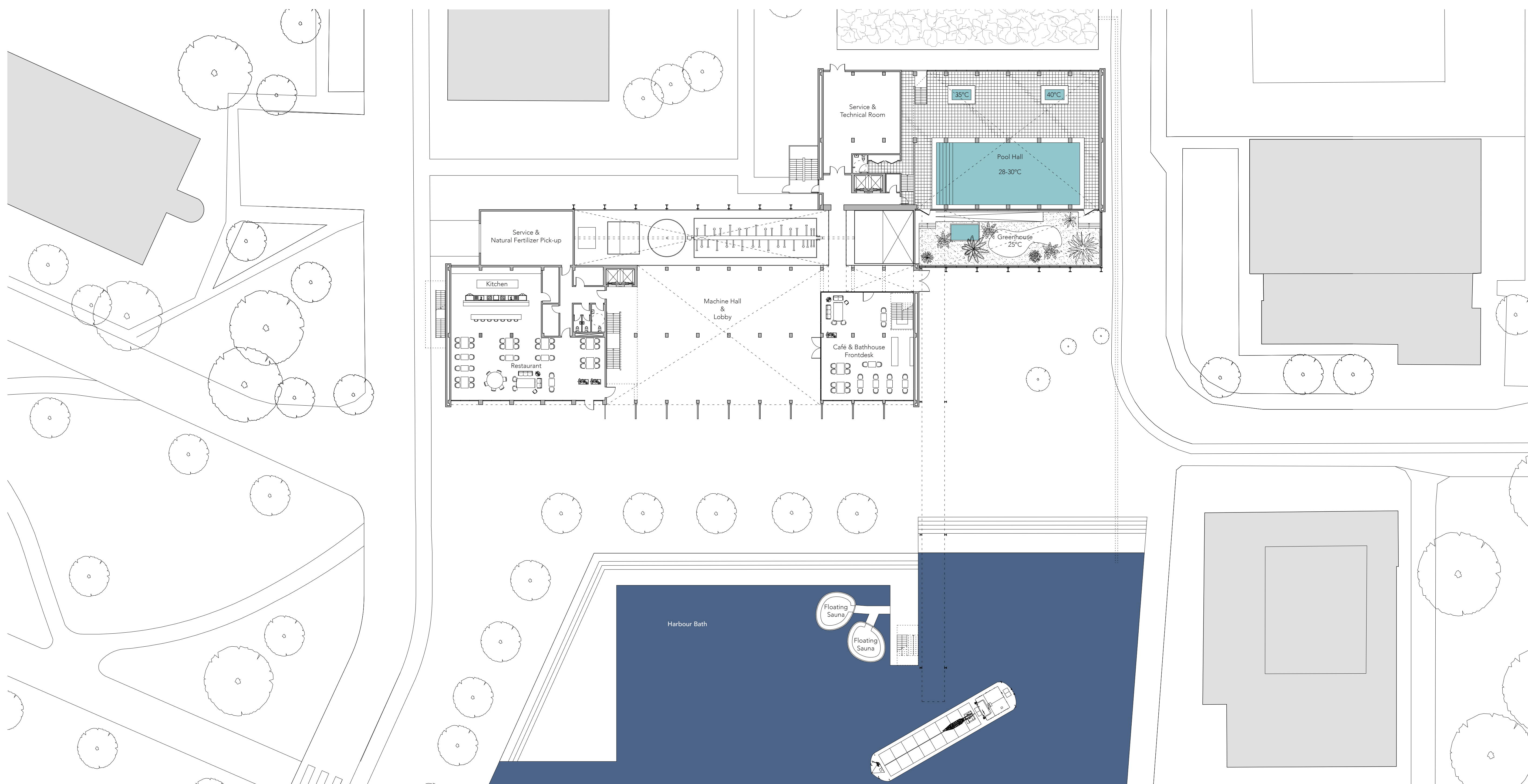
Level 3

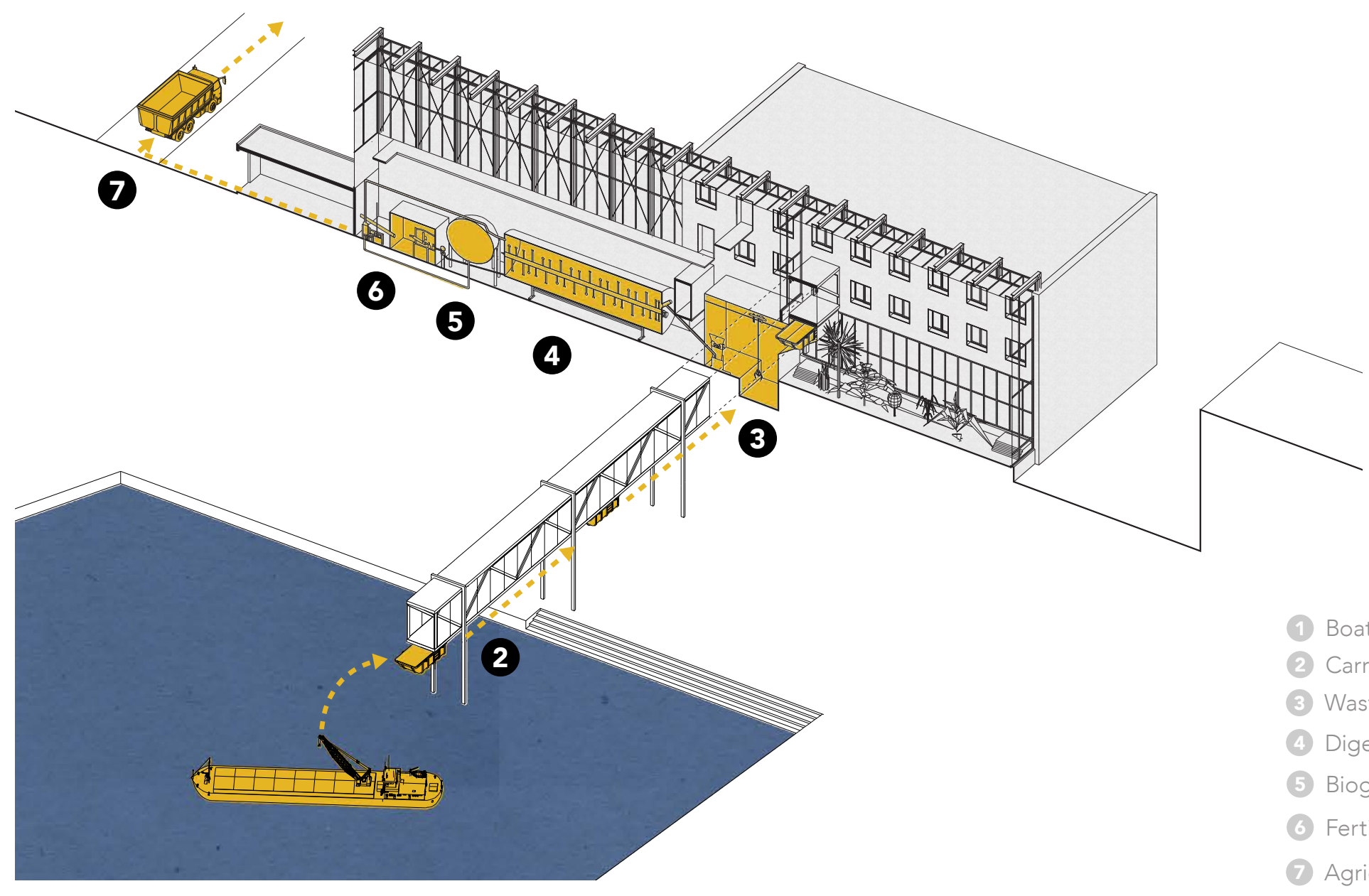


Level 2



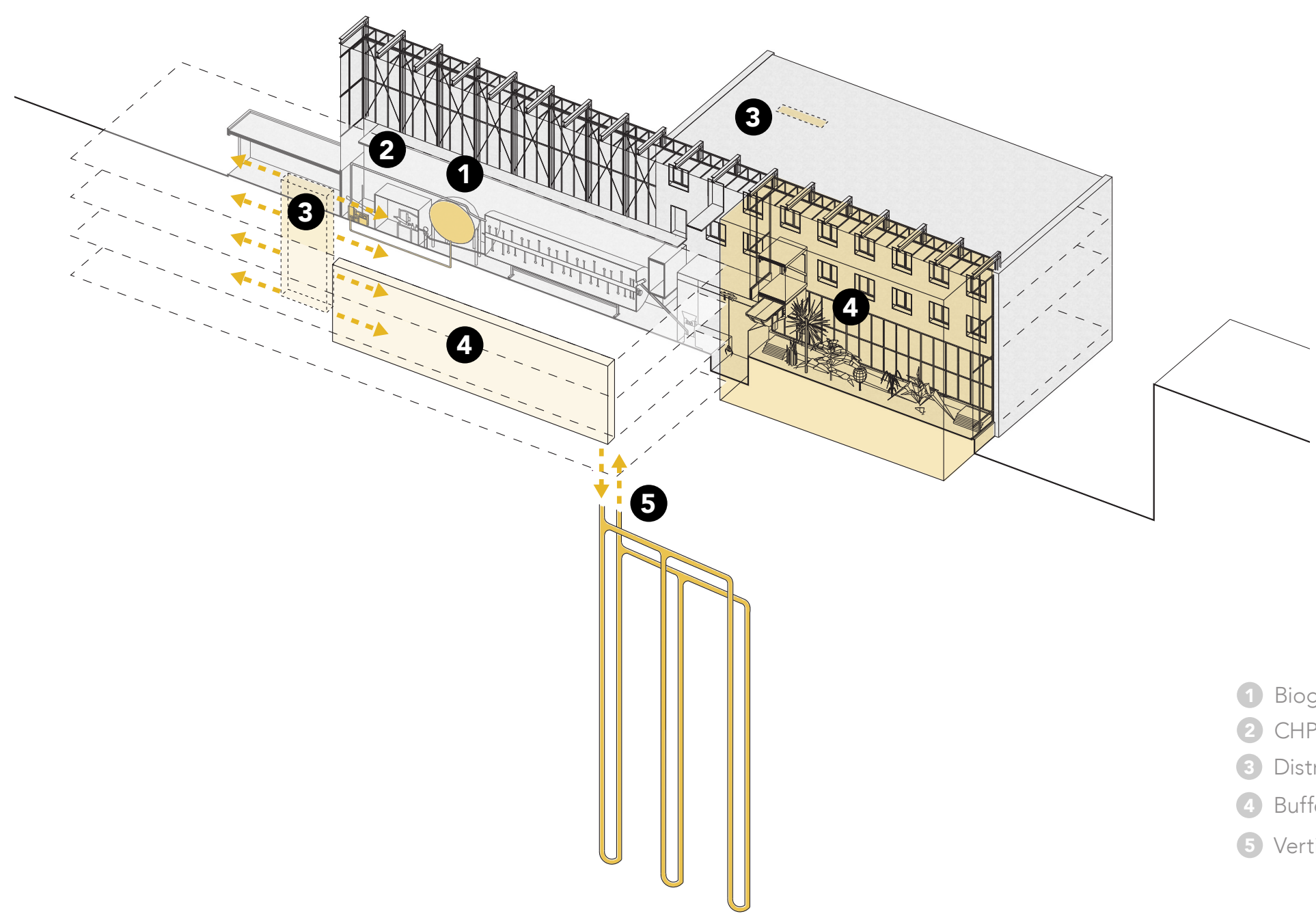
Level 1





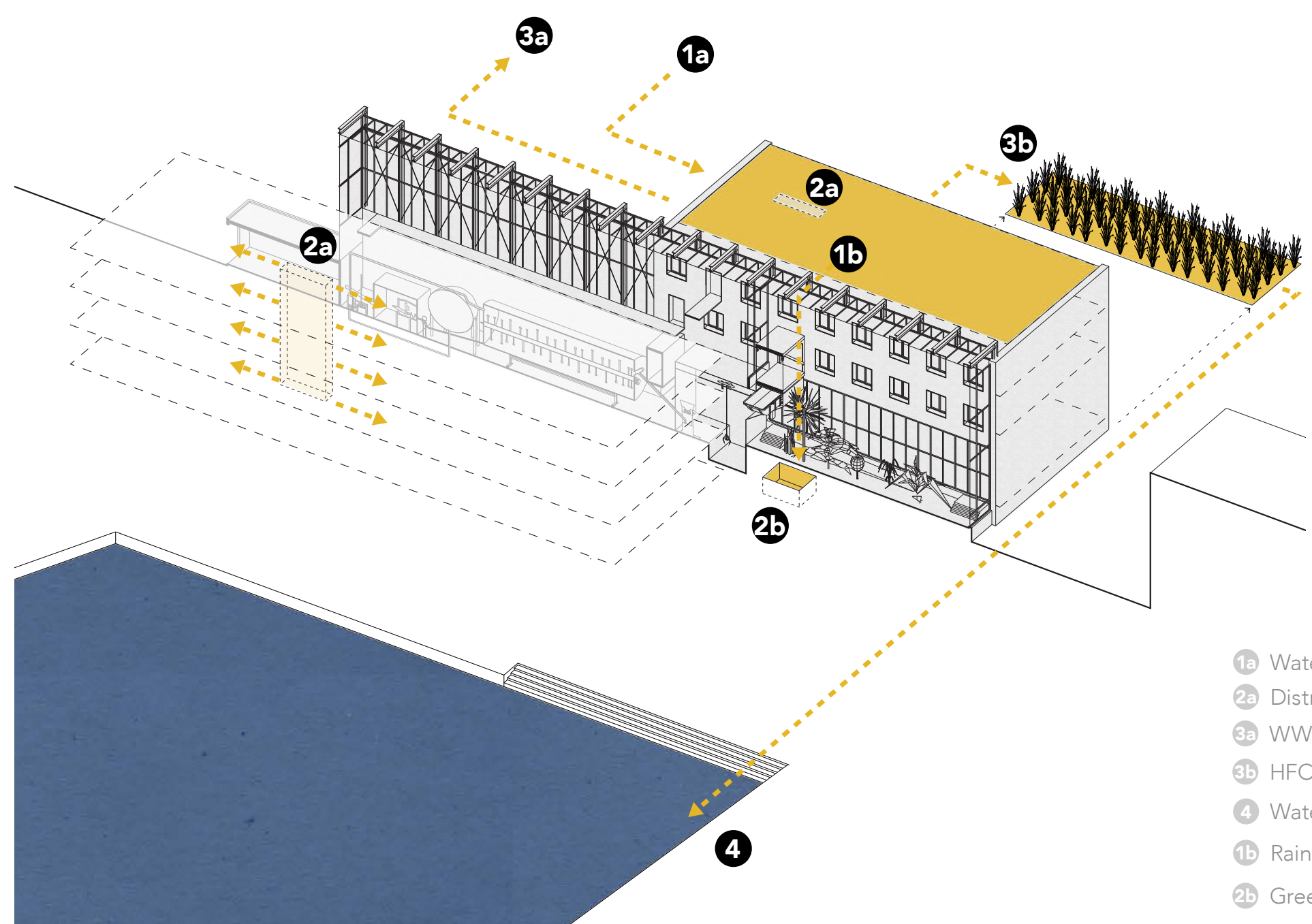
Food Waste

- 1 Boat Drop-off
- 2 Carrier
- 3 Waste Bunker
- 4 Digester
- 5 Biogas
- 6 Fertilizer
- 7 Agriculture Industry



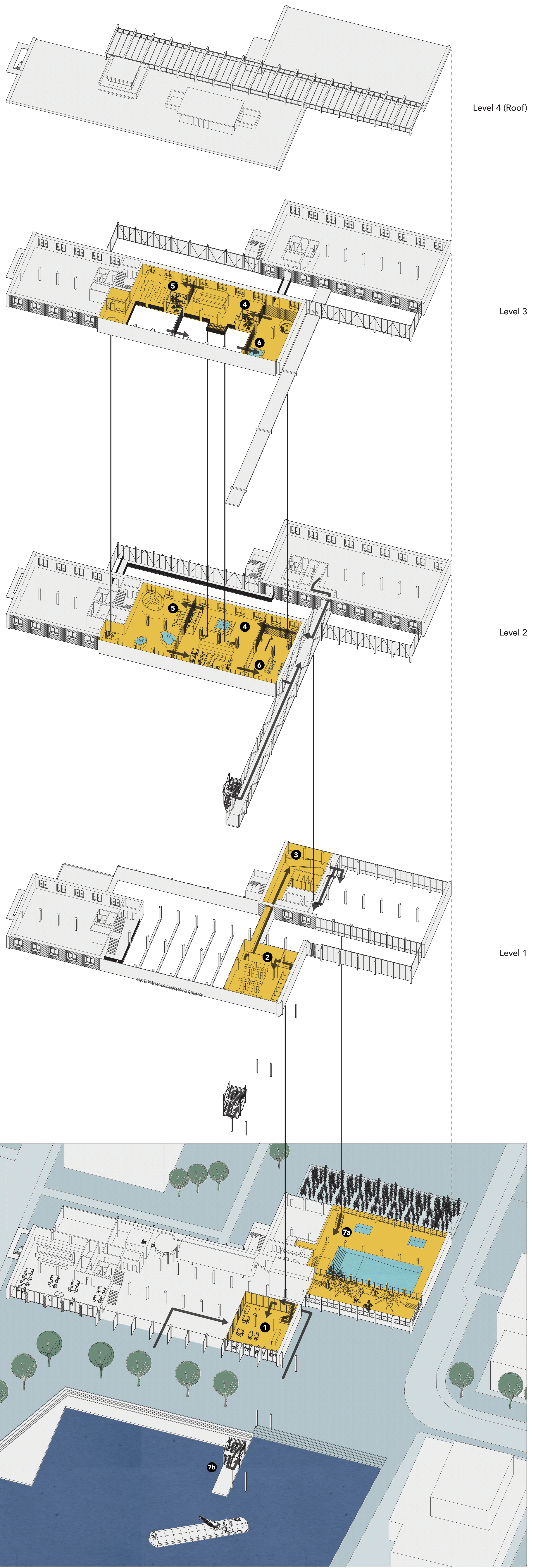
Energy

- 1 Biogas
- 2 CHP
- 3 Distribution
- 4 Buffer/Heat Recovery
- 5 Vertical Heat Exchanger



Water

- 1b Waternet
- 2b Distribution
- 3b WWTP
- 4b HFCW
- 5b Water Body
- 6b Rain Water Collection
- 7b Greenhouse Supply



Level 4 (Roof)

Level 3

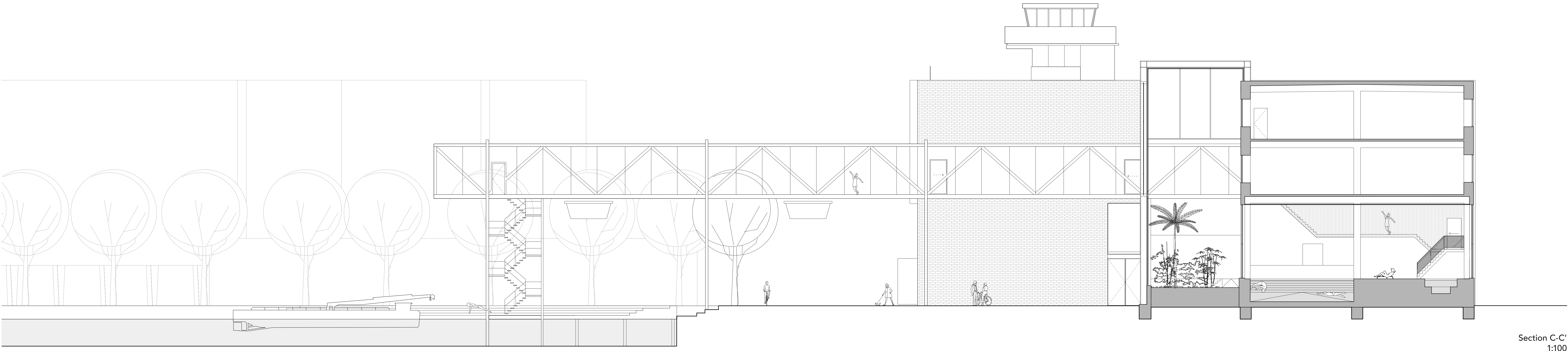
Level 2

Level 1

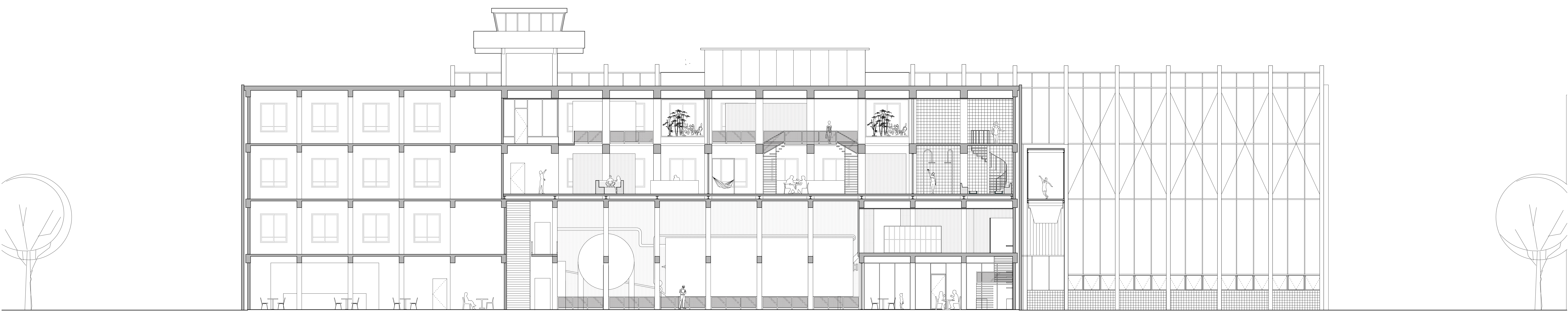
Level 0

- 1 Front Desk/Cafe
- 2 Changerooms
- 3 Showers
- 4 Tepidarium (Warm)
- 5 Calidarium (Hot)
- 6 Frigidarium (Cold)
- 7a Pool
- 7b Harbour Bath

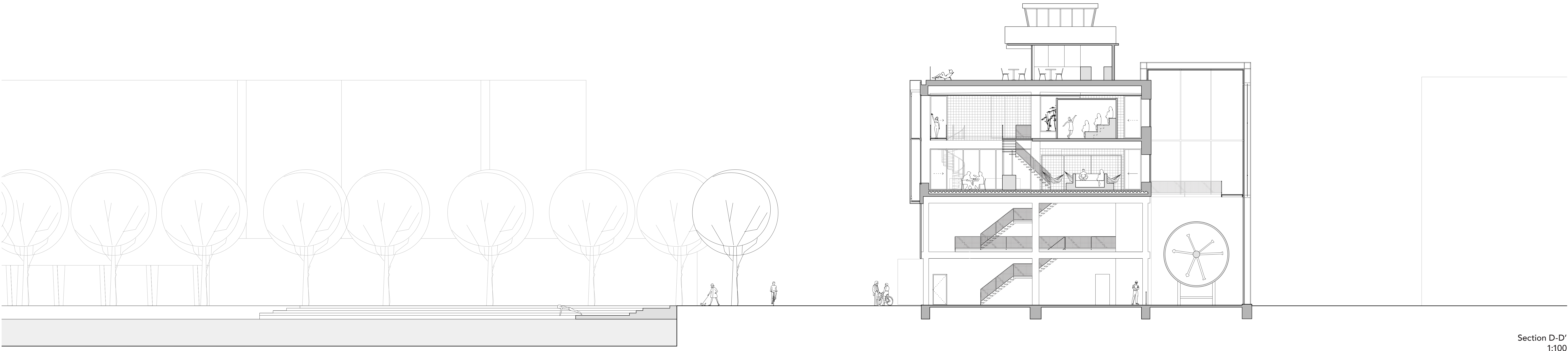
Bathhouse Circulation



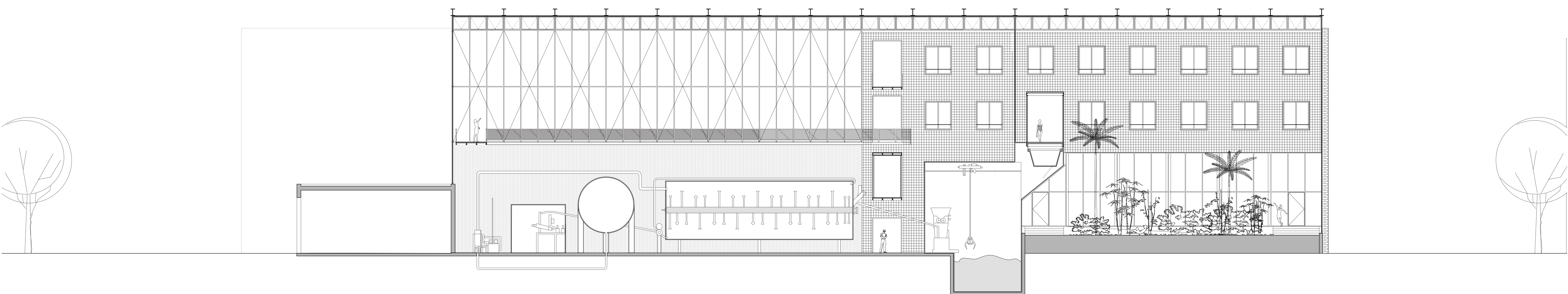
Section C-C'
1:100



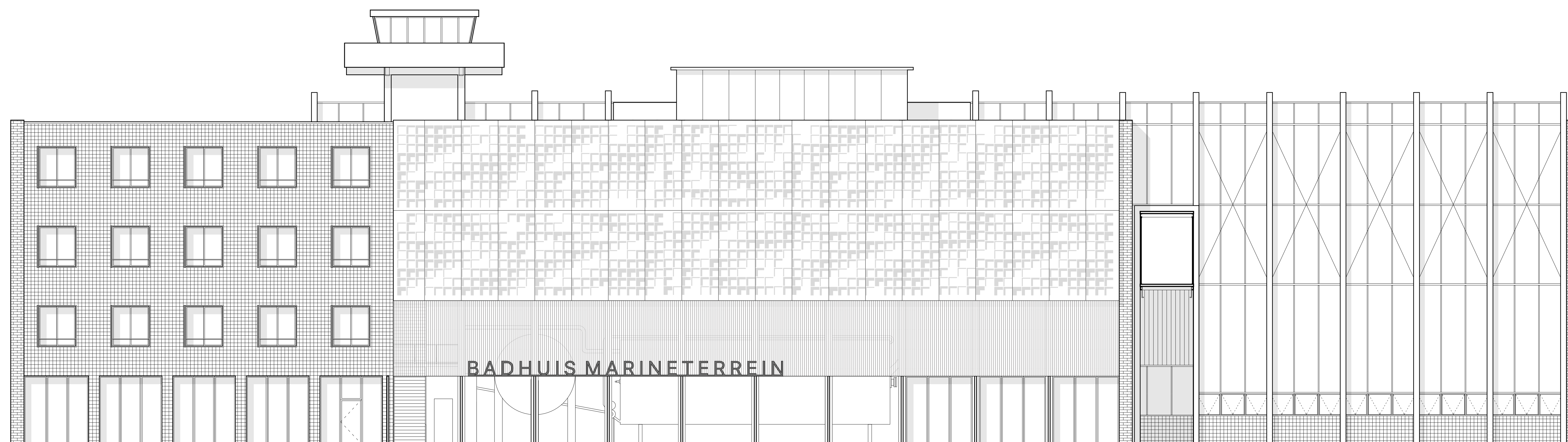
Section A-A'
1:100



Section D-D'
1:100



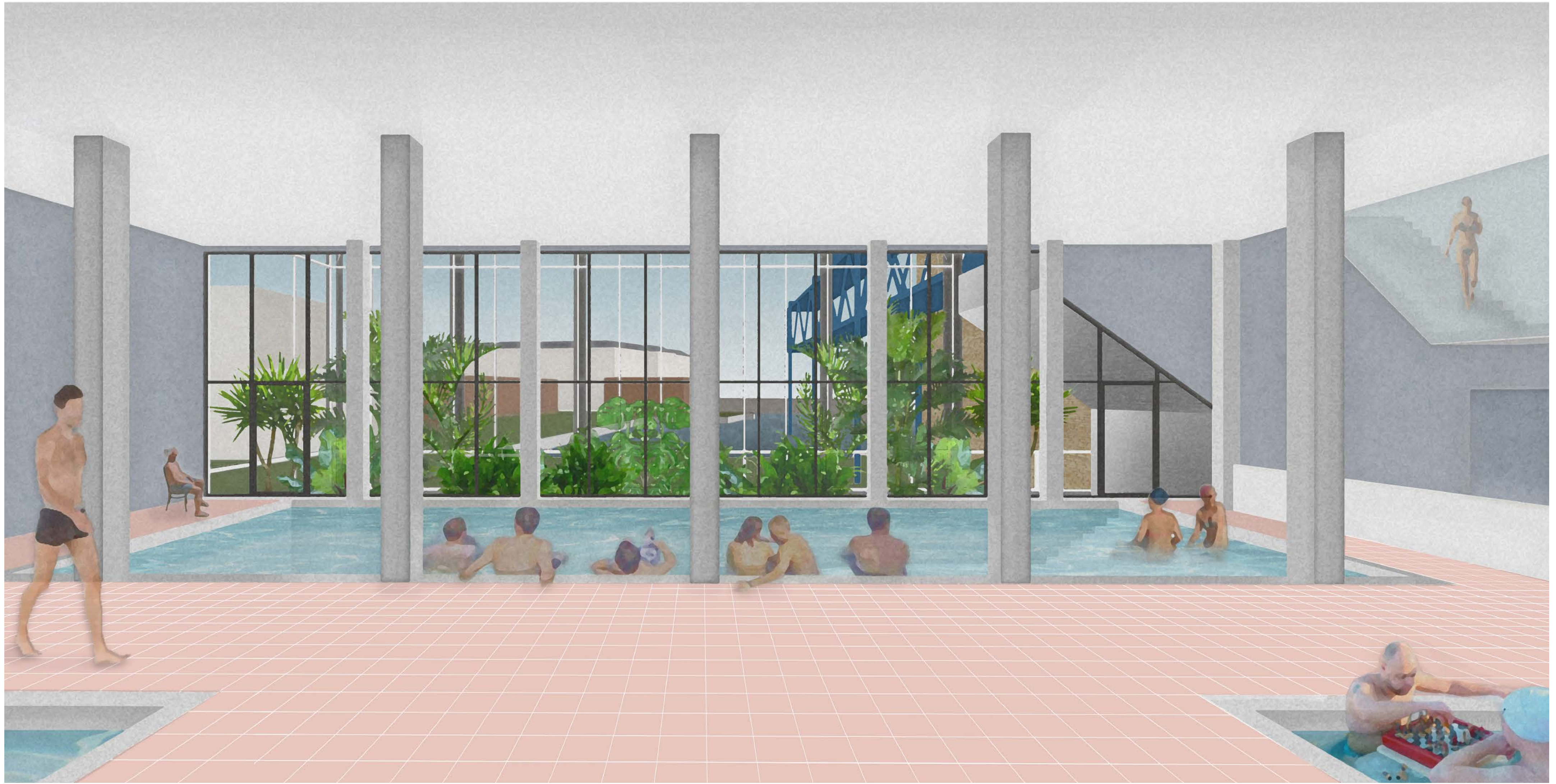
Section B-B'
1:100



BADHUIS MARINETERREIN



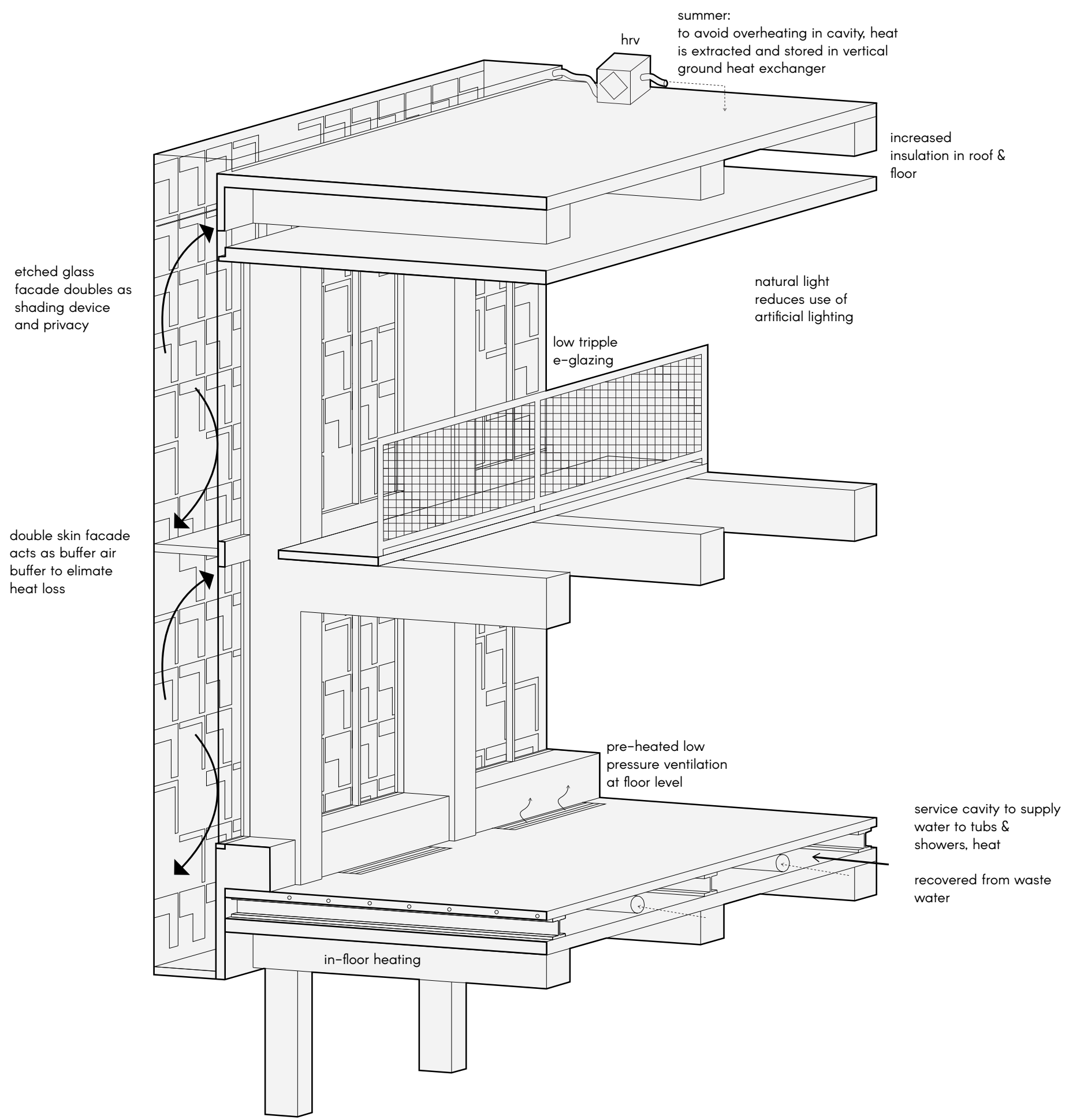




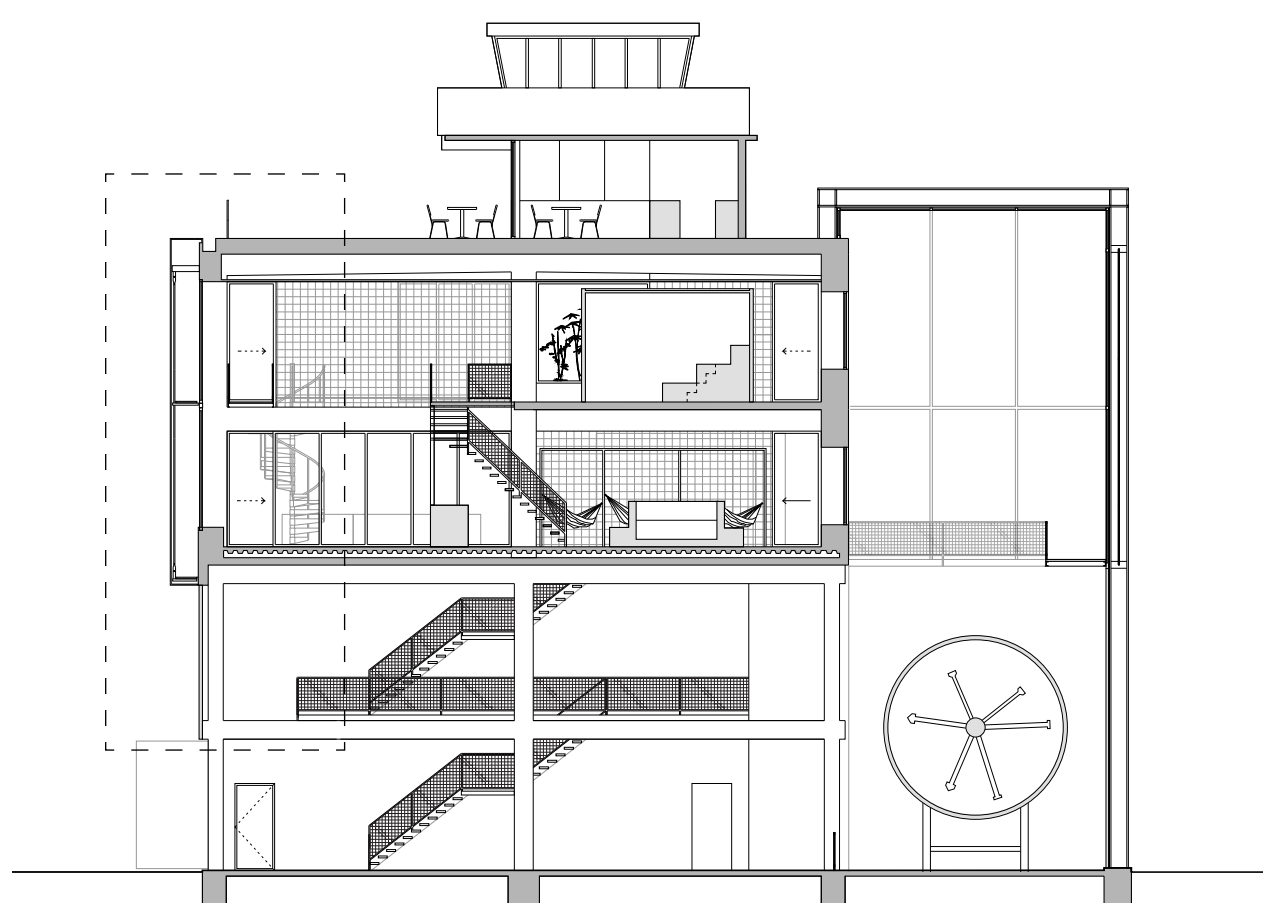
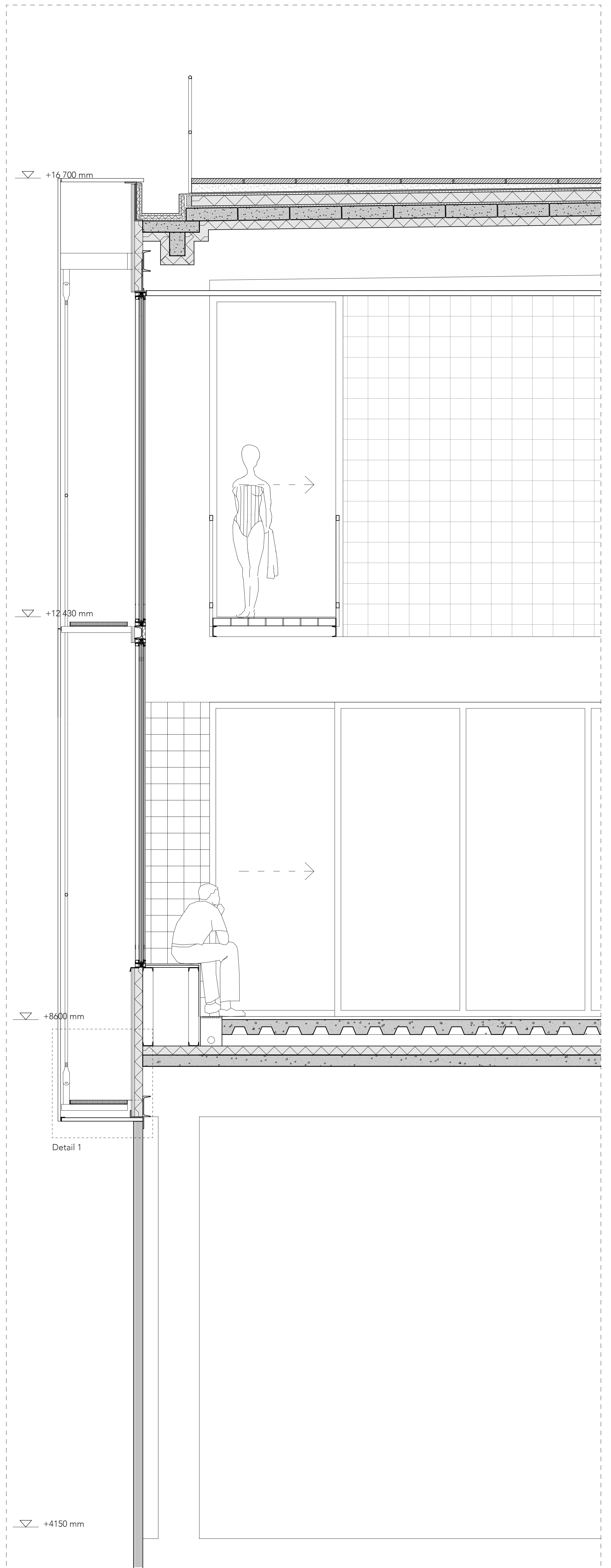


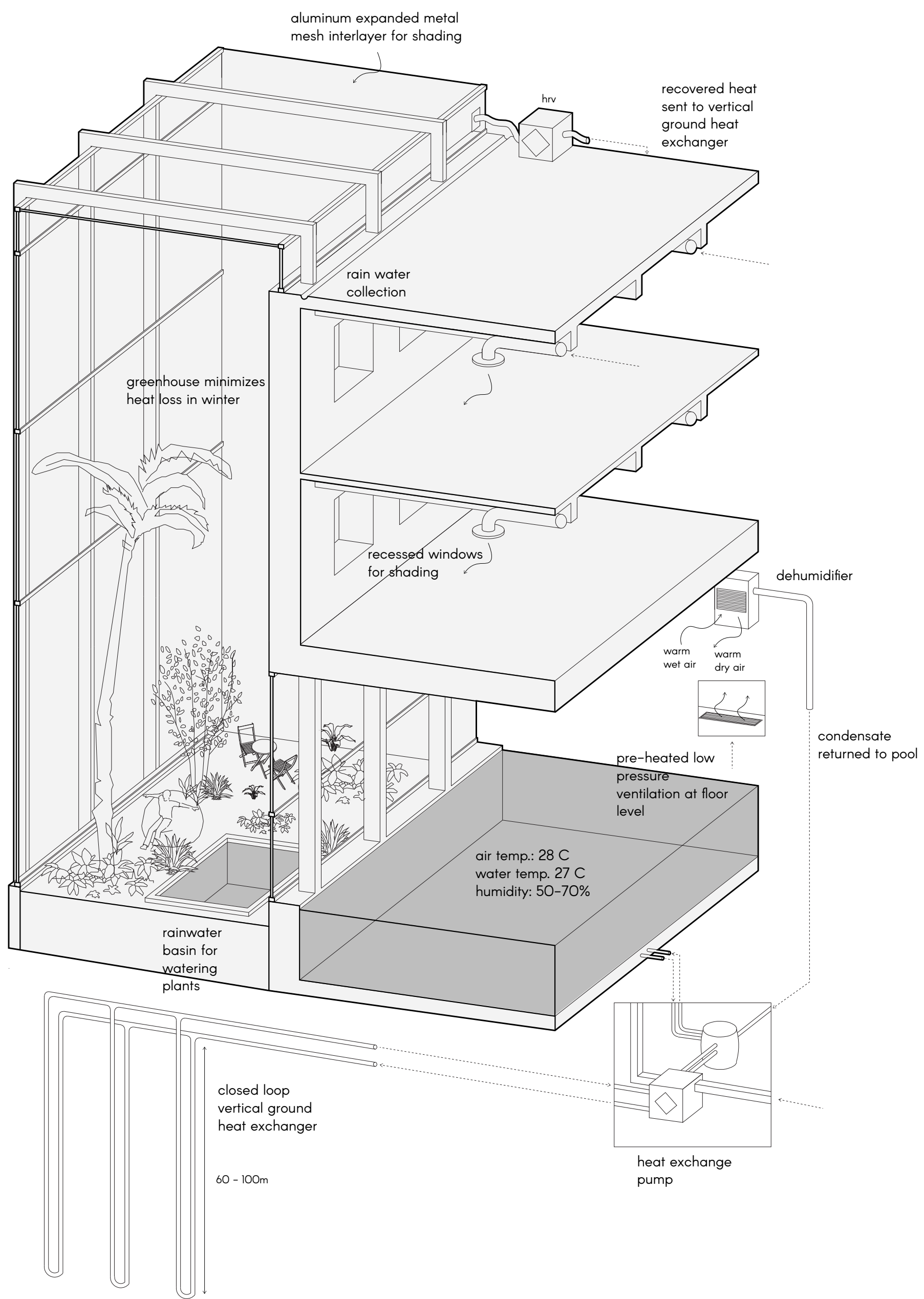




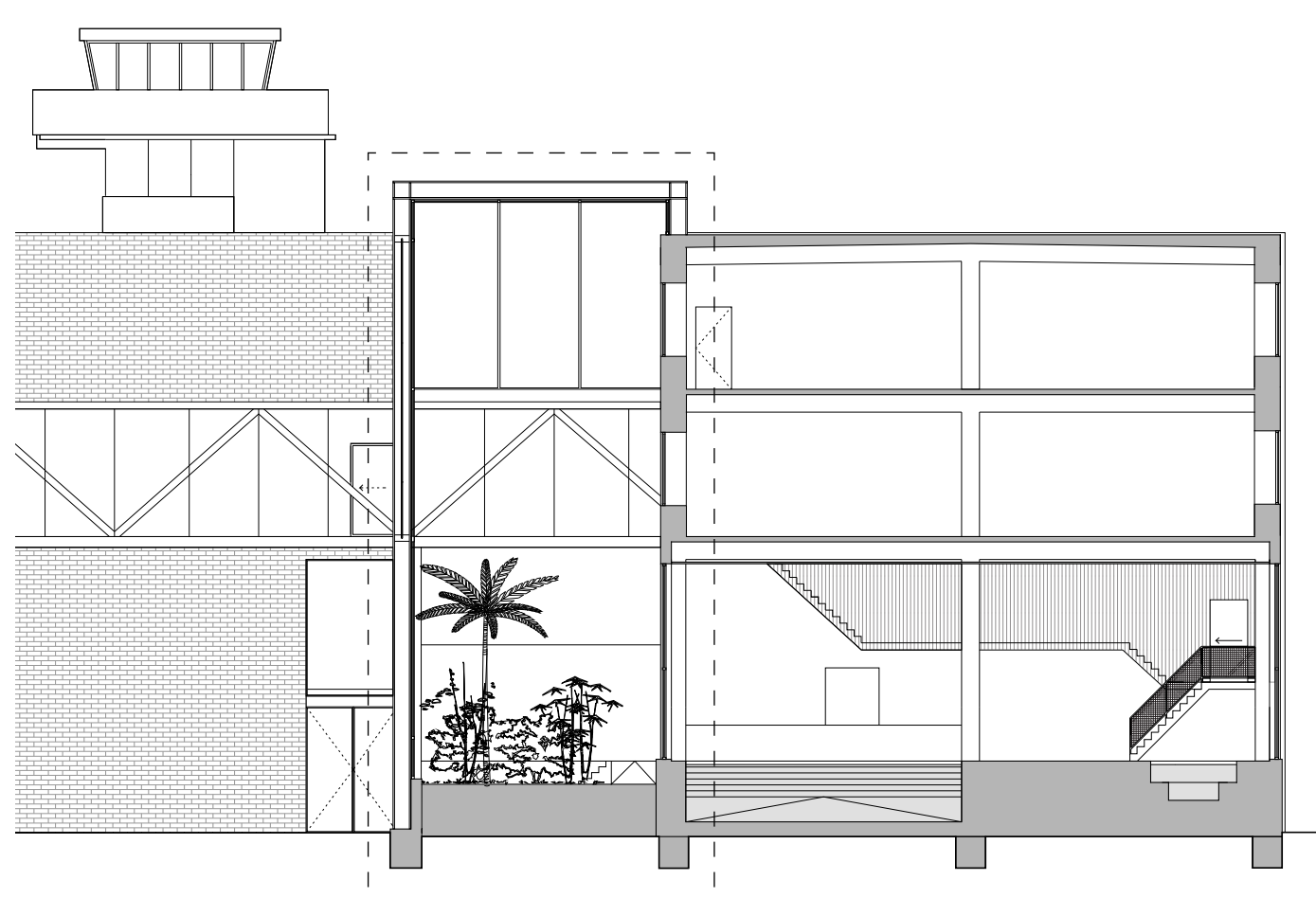
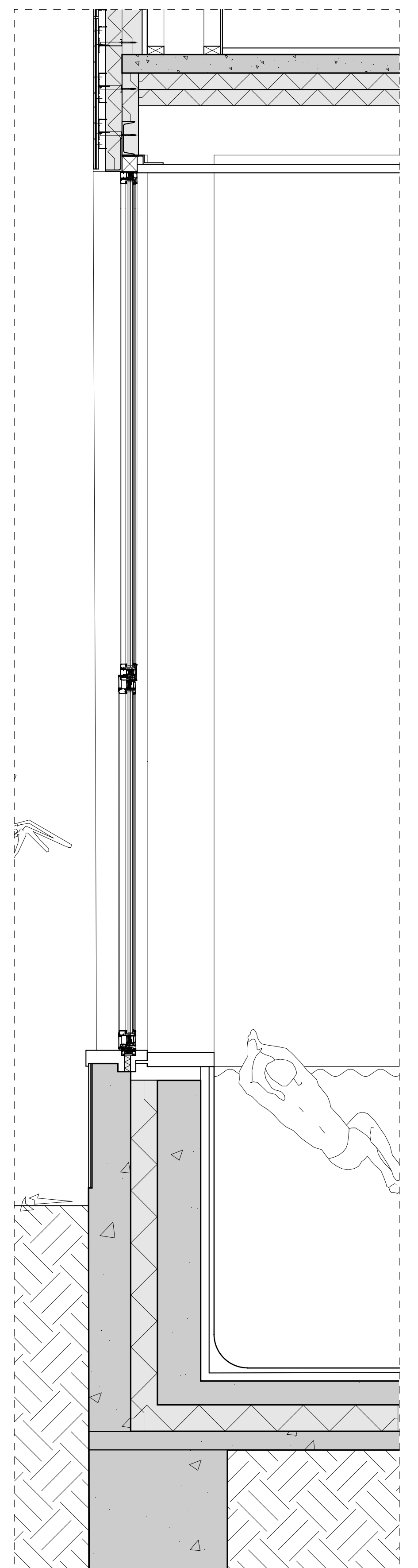
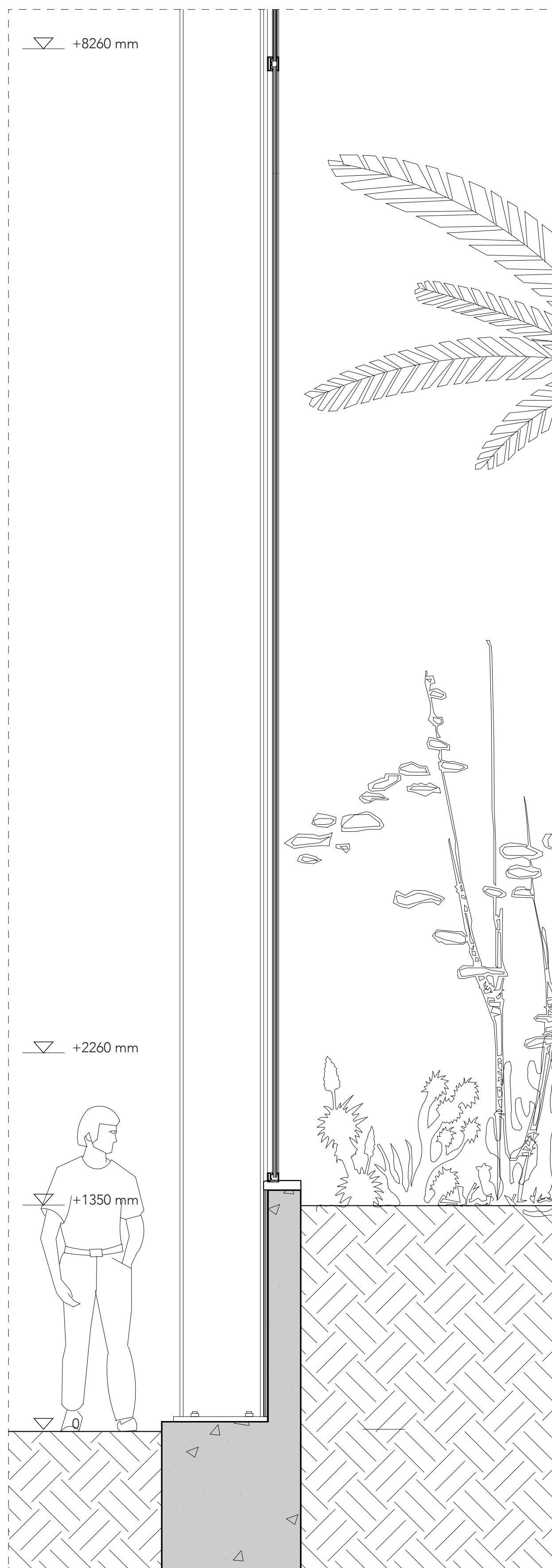
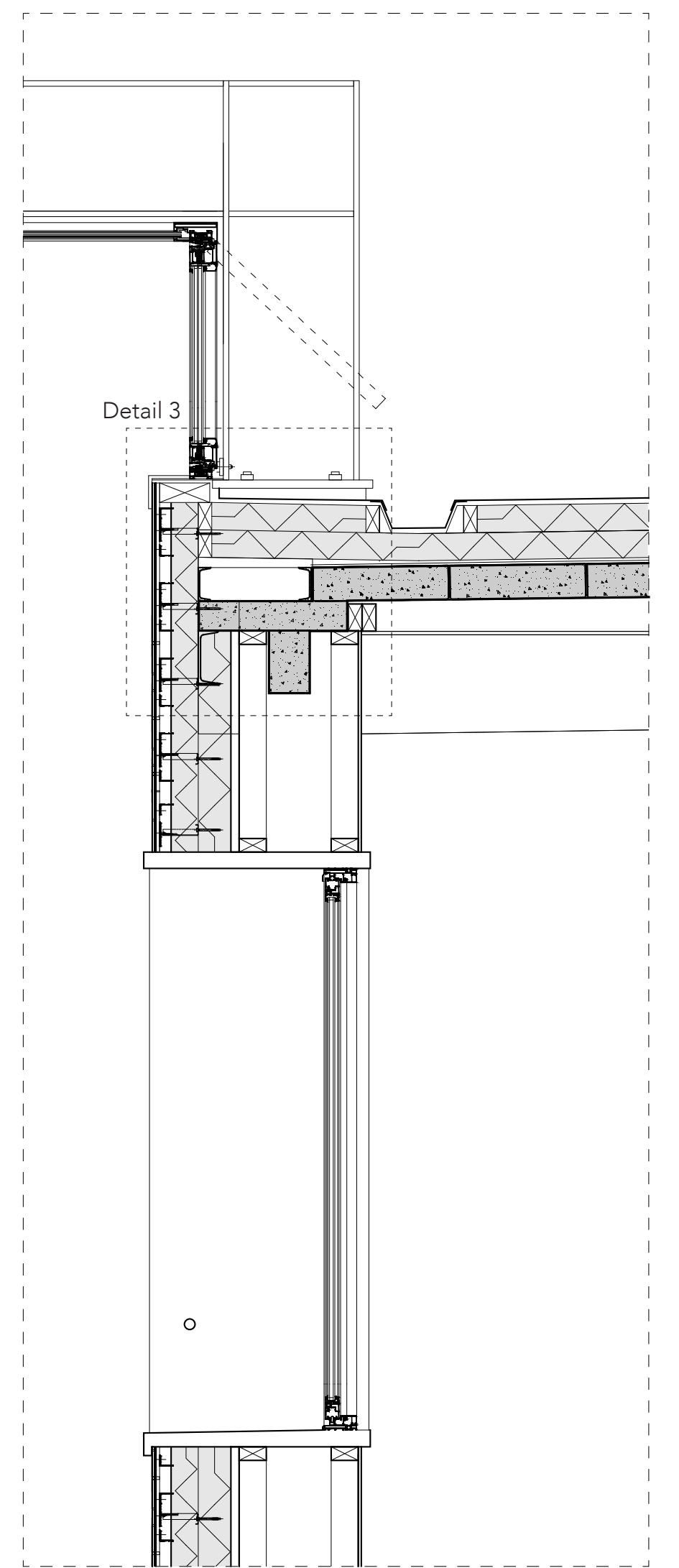
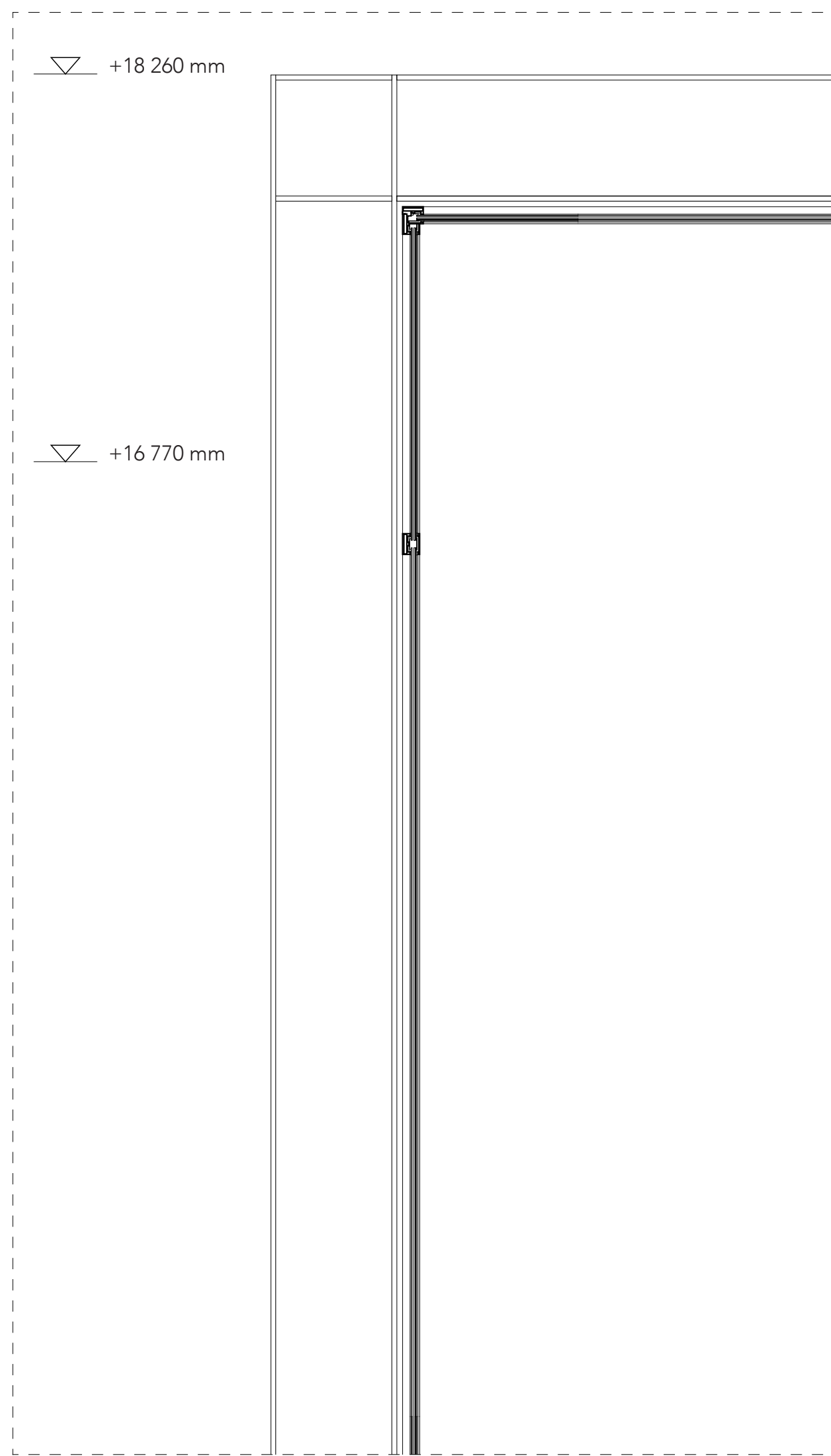


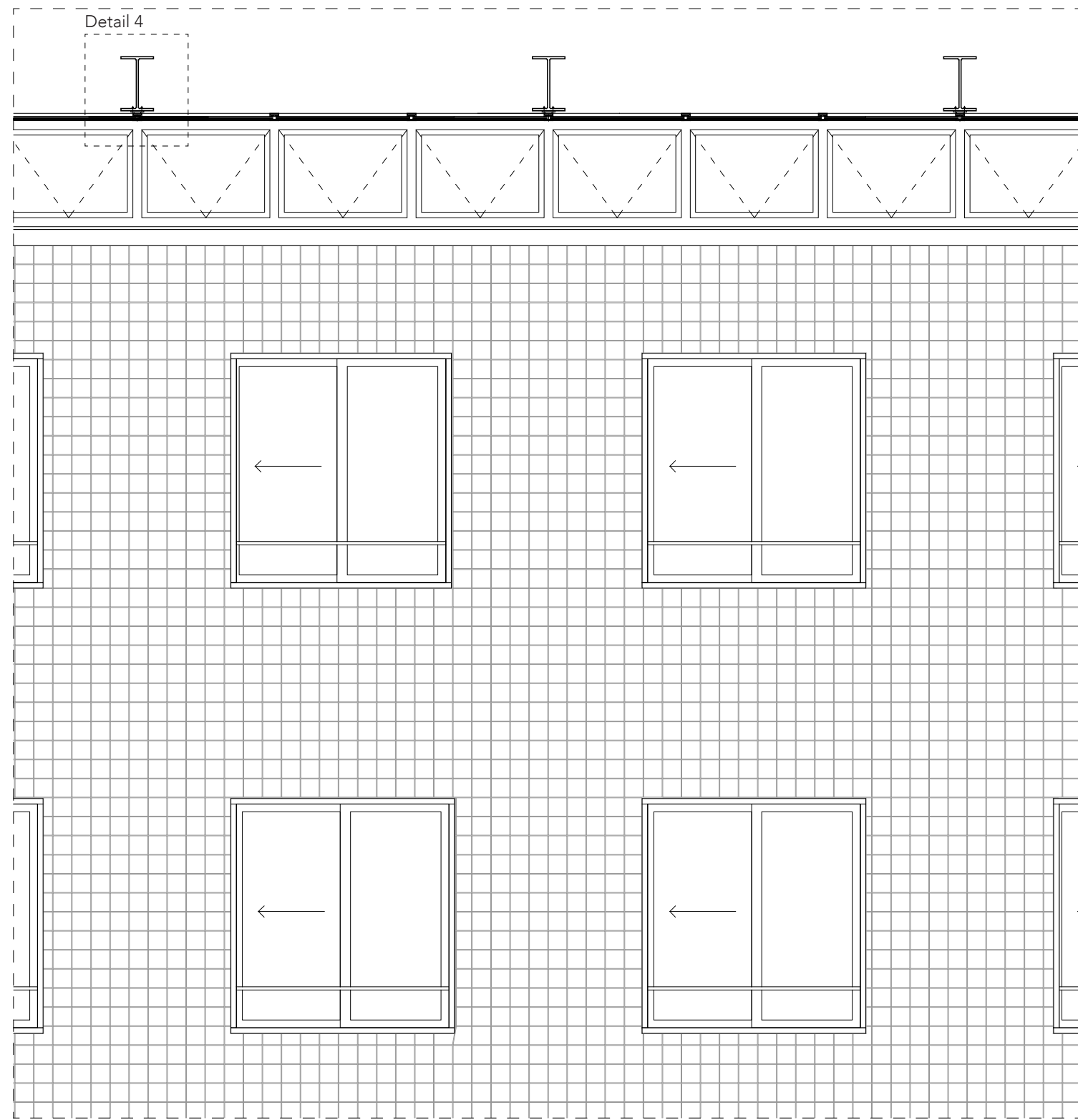
Bathhouse
Climate Strategy



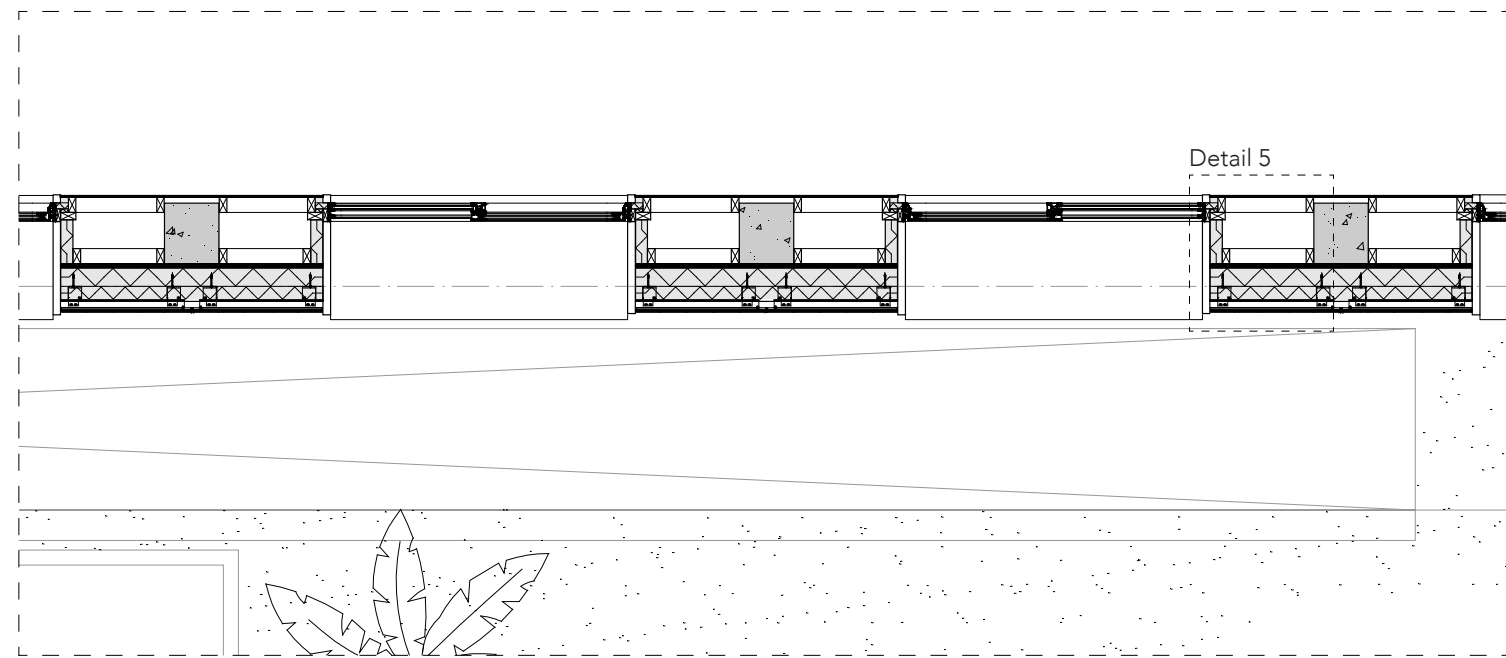


Pool Climate Strategy



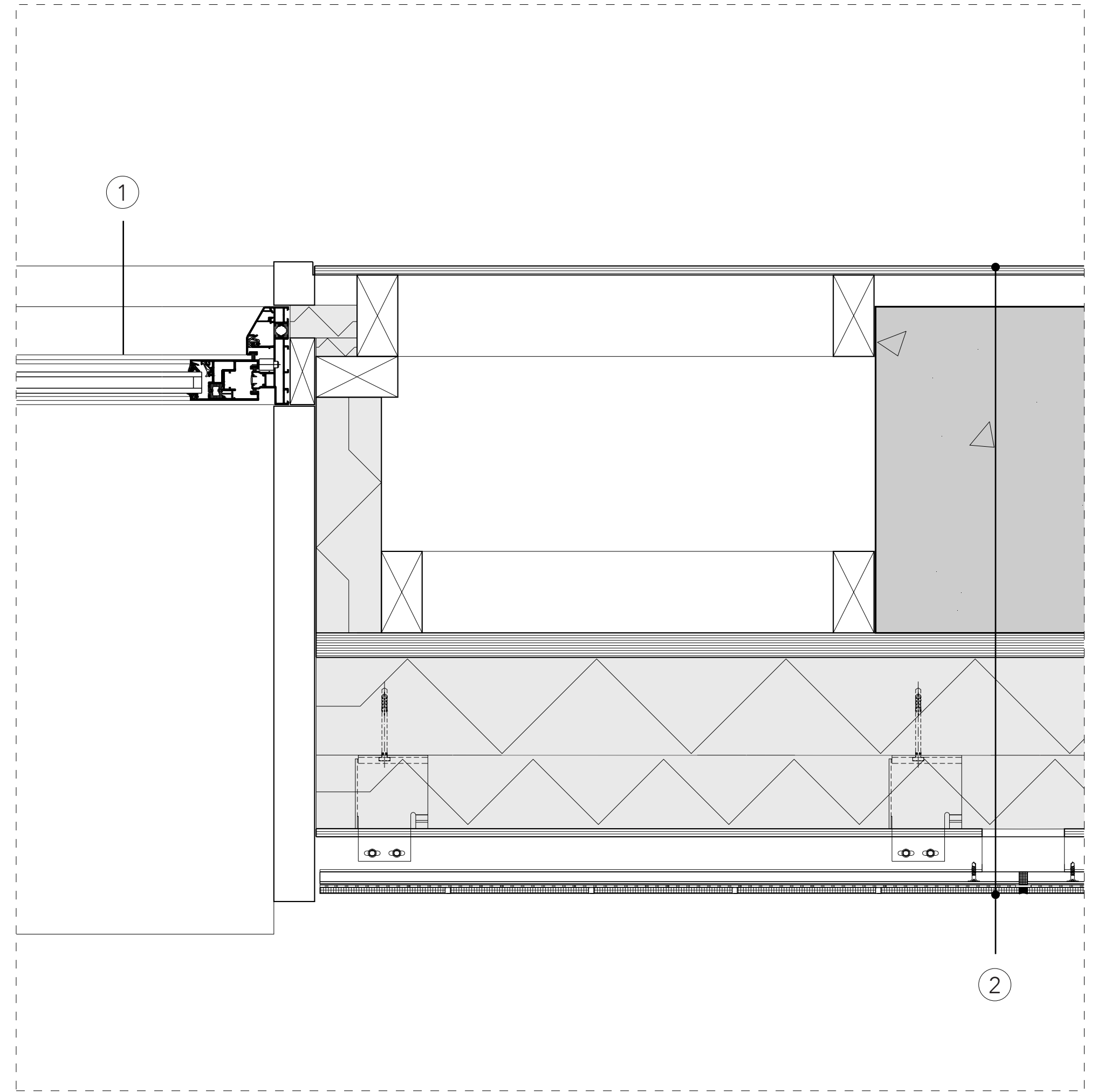


Secondary Facade
Exterior Elevation
1:50

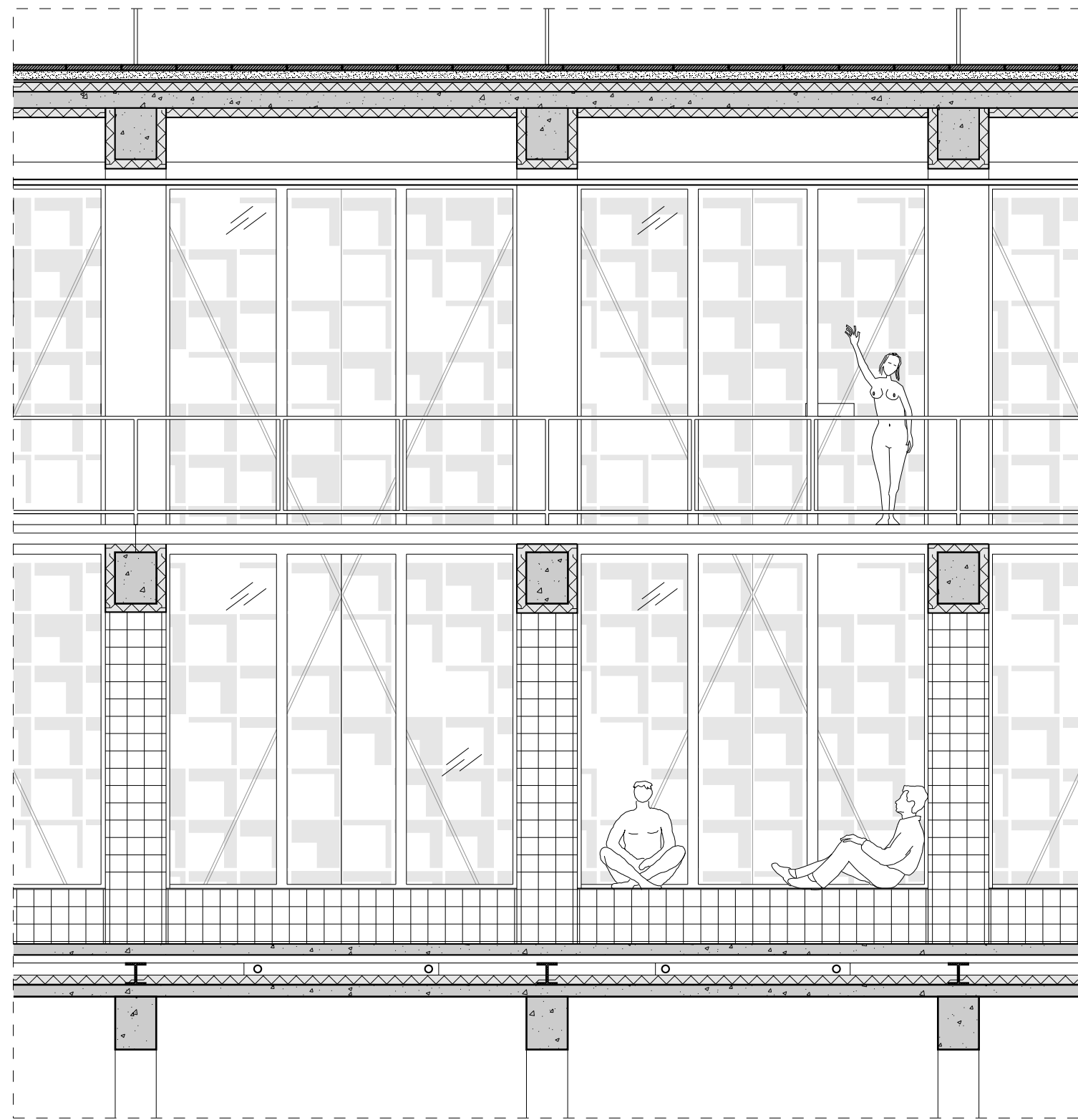


Secondary (Pool) Facade
Horizontal Section
1:50

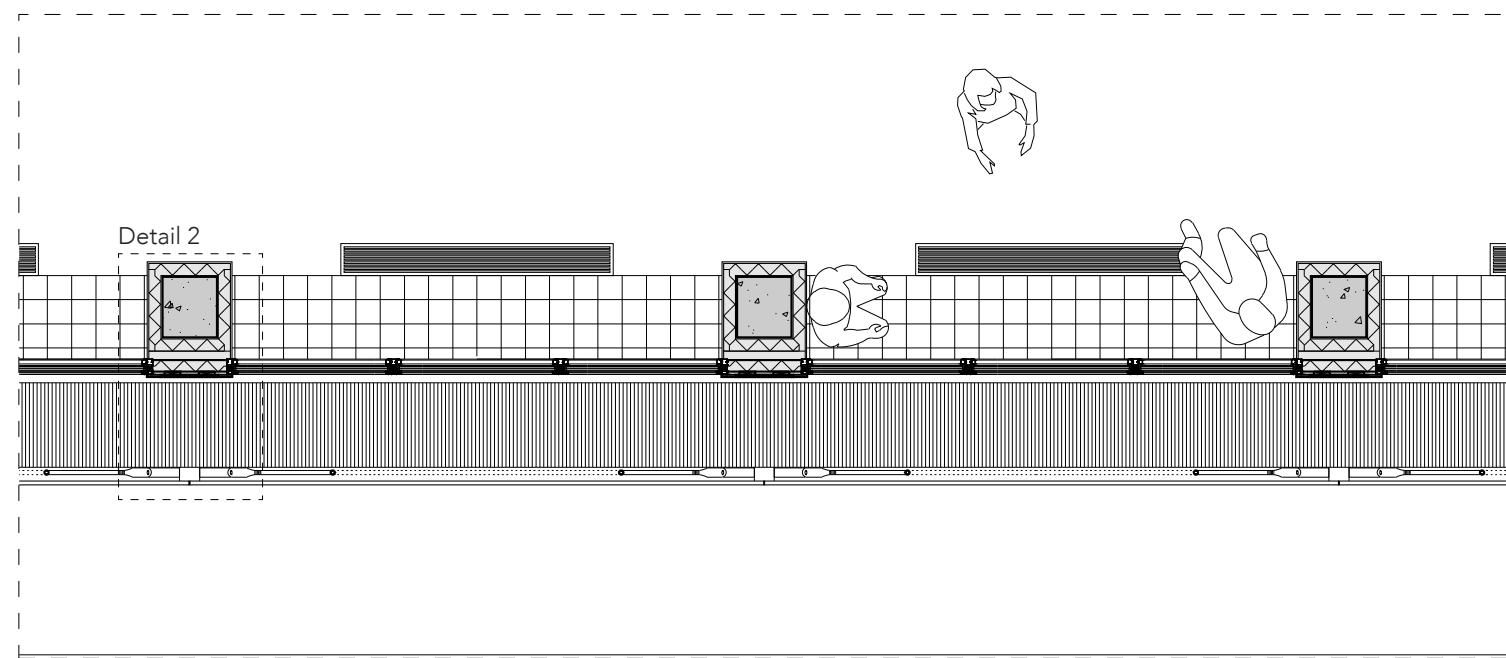
- ① Highly thermally insulated aluminum slider (1.3W/m2K)
- ② 12 mm tile panel cladding
Mortar tissue layer
Verotec 12mm plate
Rainscreen & horizontal mounting plate
Moisture barrier
300 mm rigid insulation
16mm sheathing
360x390mm existing concrete column
16mm plaster wall



Detail 5
1:5

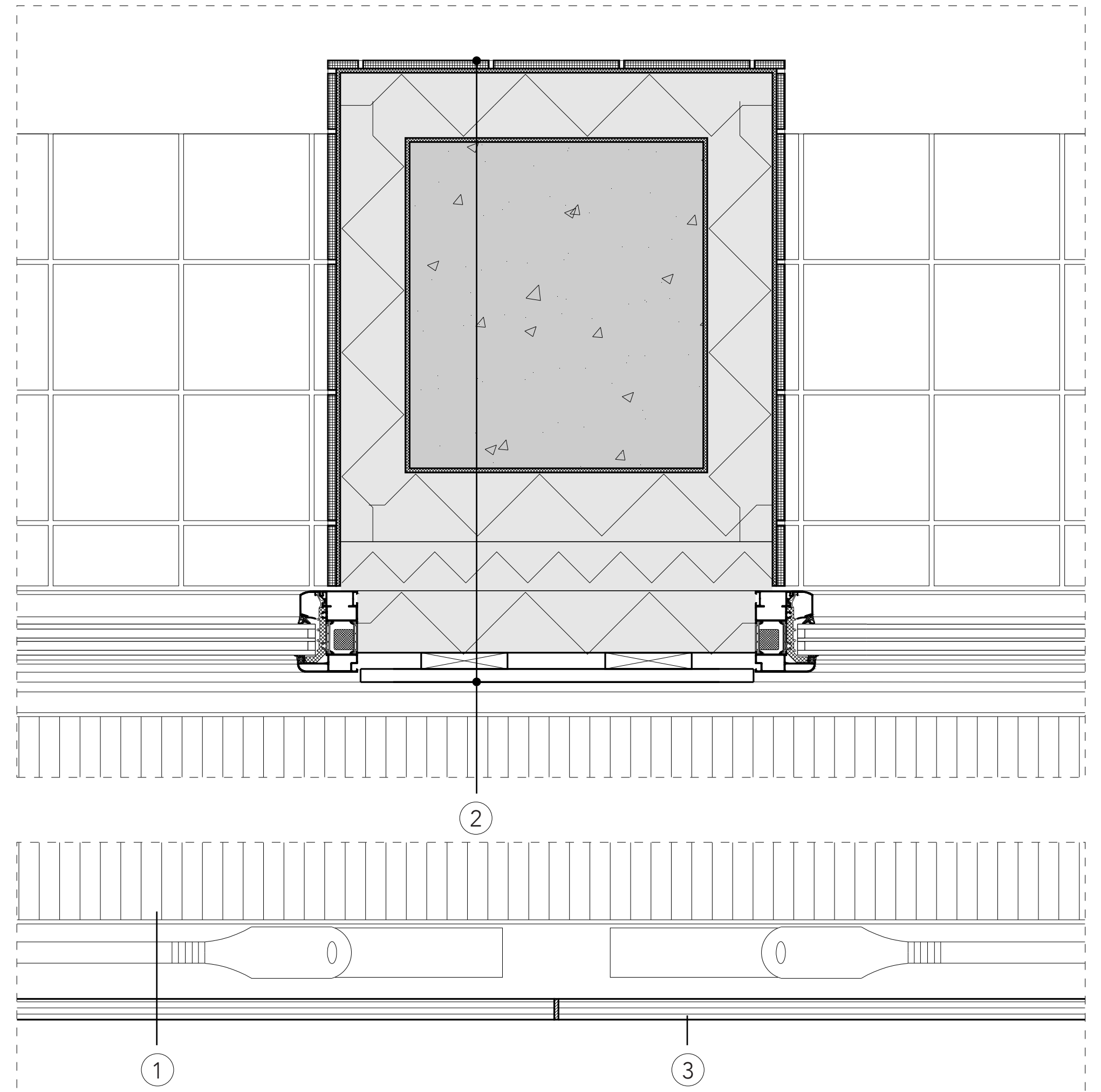


Bathhouse Facade
Interior Elevation
1:50



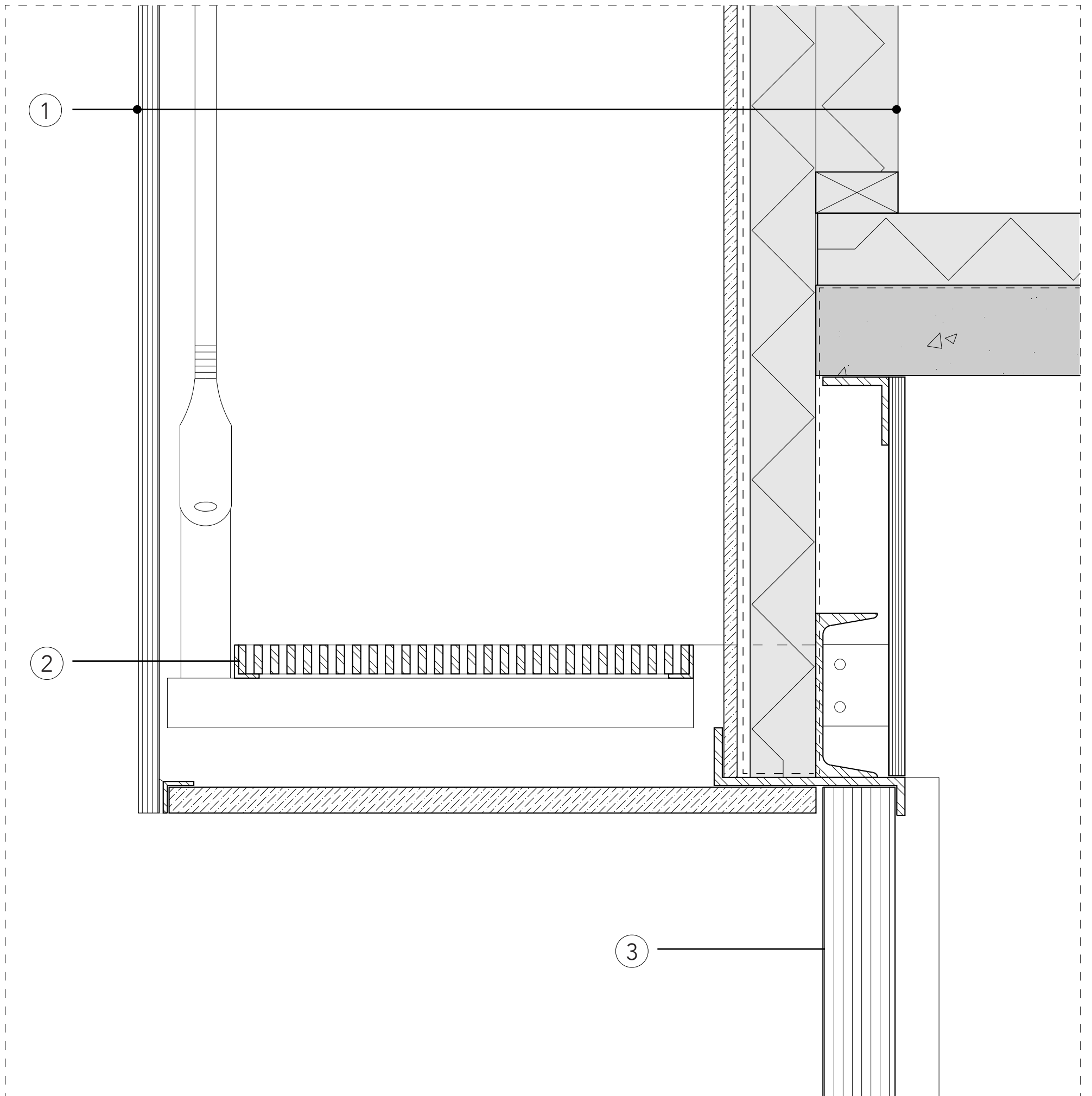
Bathhouse Facade
Horizontal Section
1:50

- ① Welded catwalk assembly anchored to structural profile for horizontal load resistance
- ② Lightweight metal composite cladding panel
Ventilated airspace & moisture barrier
450mm rigid insulation
Carbon fiber reinforcement wrapped around existing 360x360mm concrete column
150mm rigid insulation
Mortar tissue layer
16mm thick 180x180mm tile
- ③ Low-iron U-profile glass units w/ etched print for passive shading

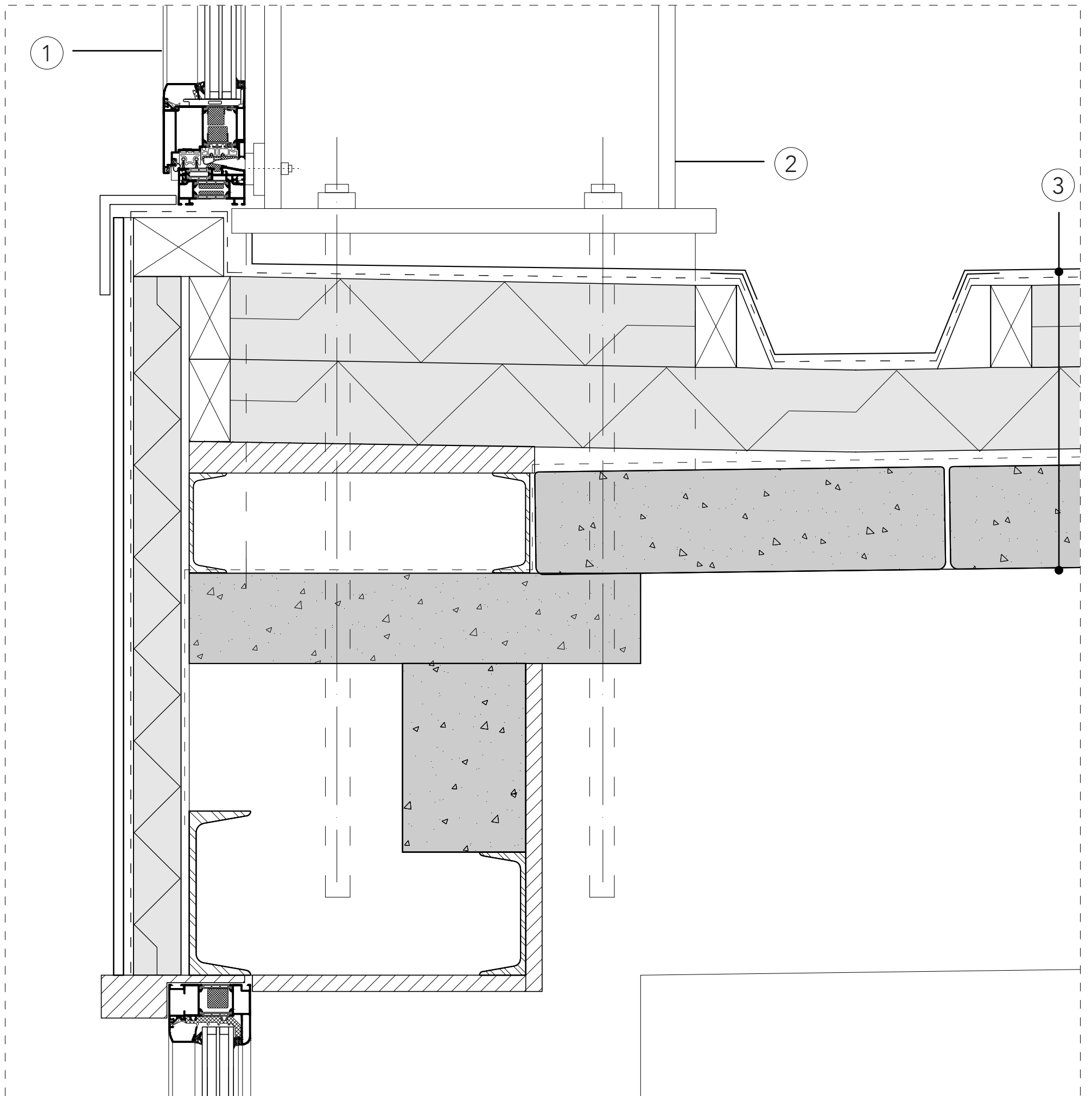


Detail 2
1:5

- ① Low-iron U-profile glass units w/ etched print for passive shading
Steel cross bracing for lateral stability
Lightweight metal composite cladding panel
Rainscreen & moisture barrier
300 mm rigid insulation
- ② Welded catwalk assembly anchored to structural profile for horizontal load resistance
- ③ 90 mm polycarbonate



- ① Highly thermally insulated inward opening aluminum windows (1.8W/m2K)
- ② Aluminum roof cladding
Moisture barrier
300mm rigid insulation
Moisture barrier
150mm existing concrete slab
- ③ HEA 500x300mm profile mounted to existing concrete structure using Hilti anchor



- ① Insulated glazed panels, low E coating w/ aluminum expanded metal mesh for shading
- ② 500x300mm HEA profile w/ welded plate for steel cross-bracing

