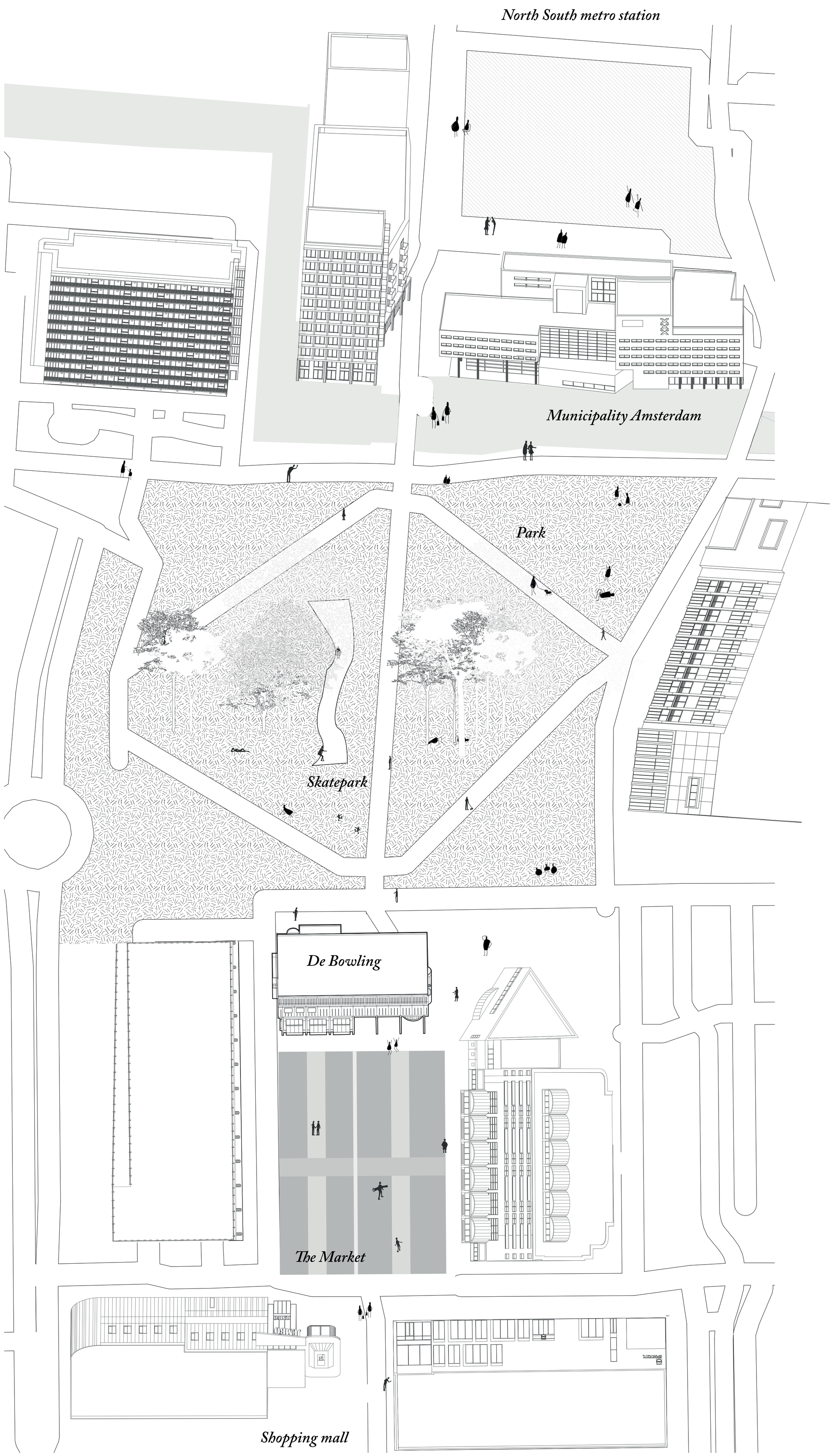
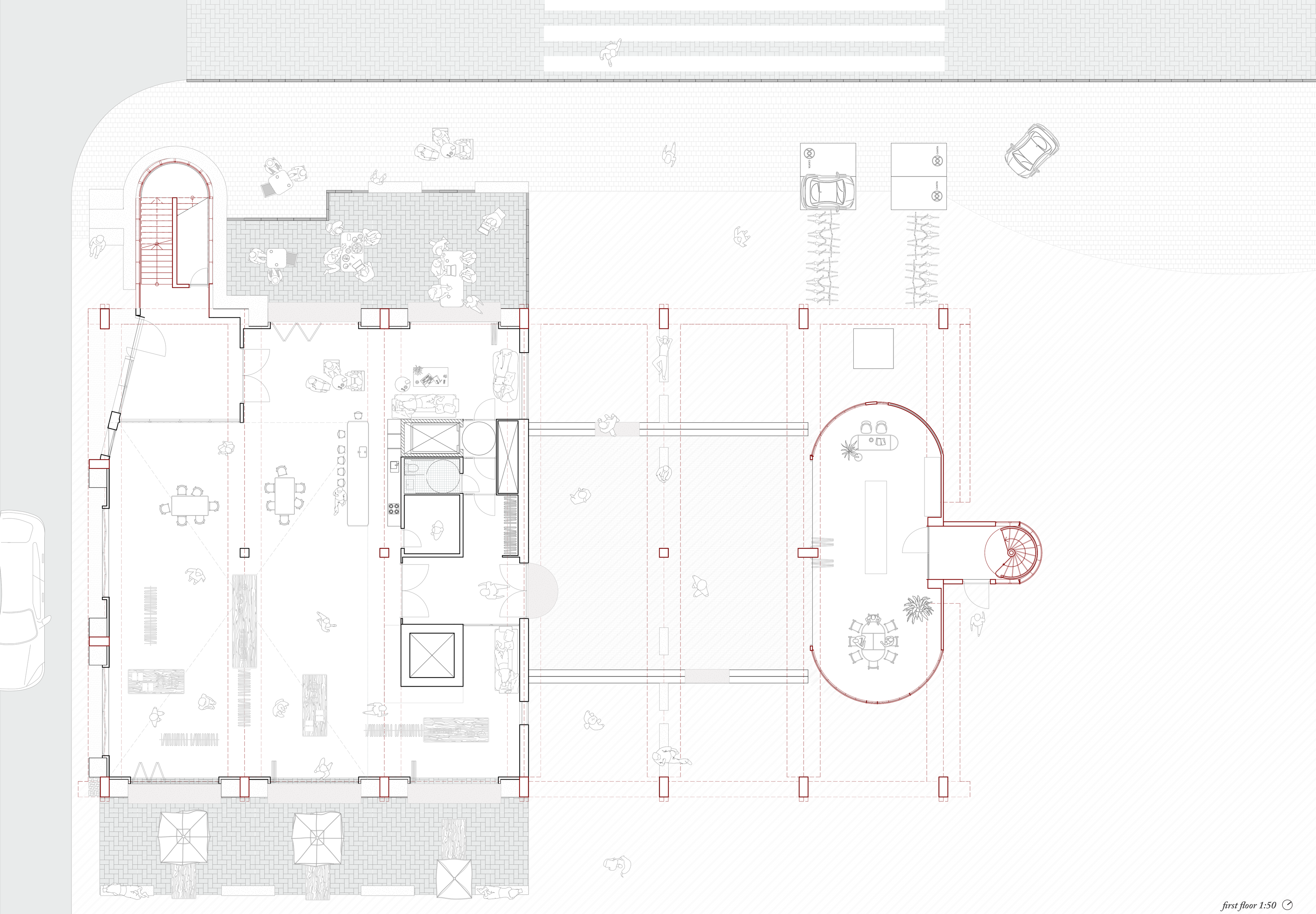
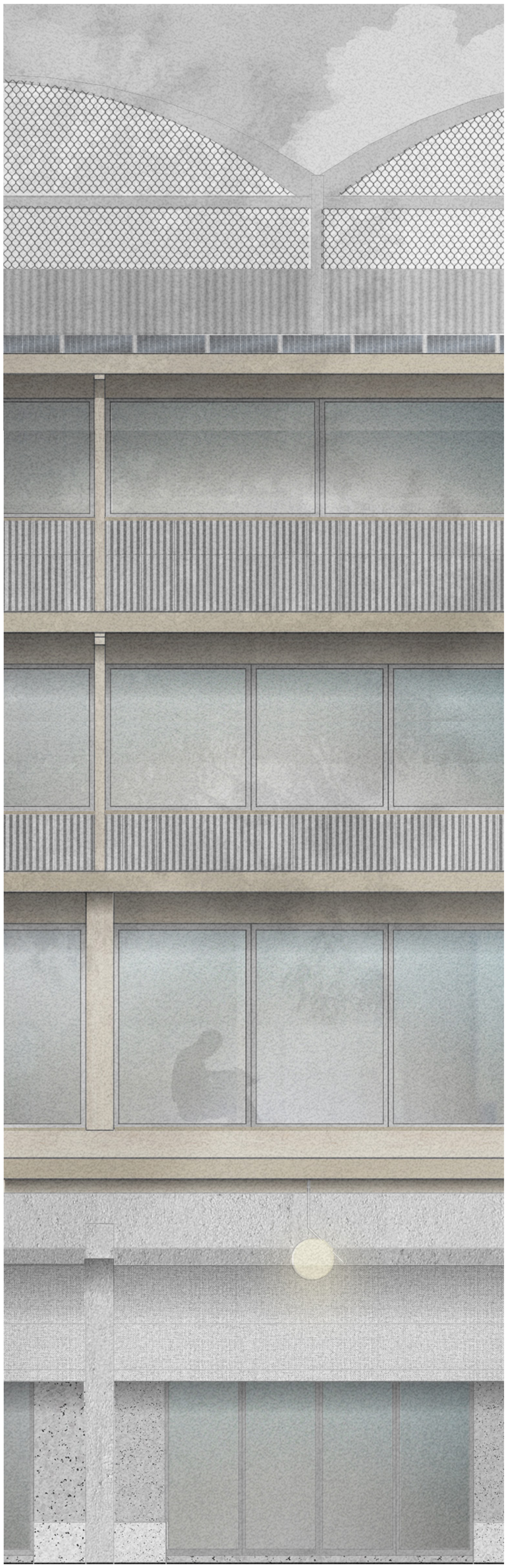
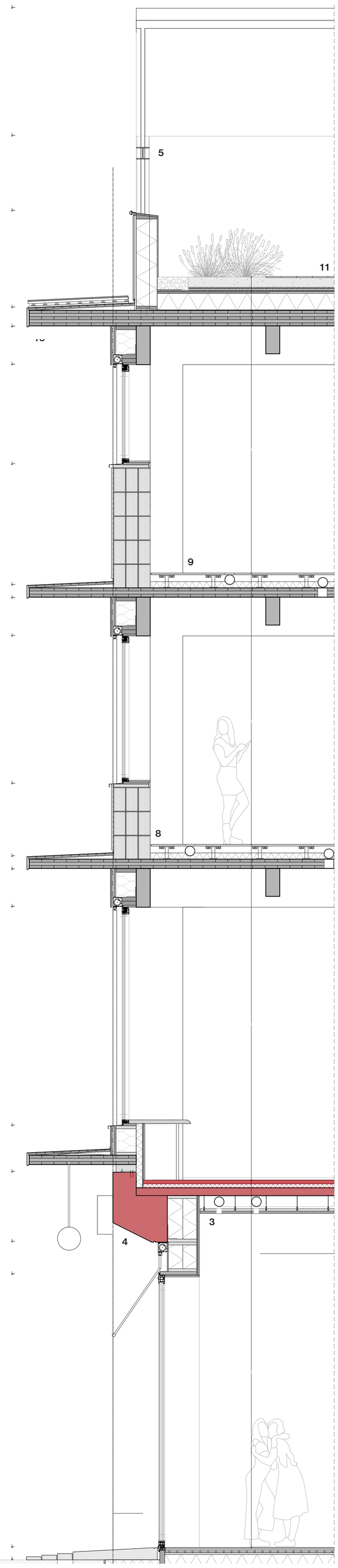
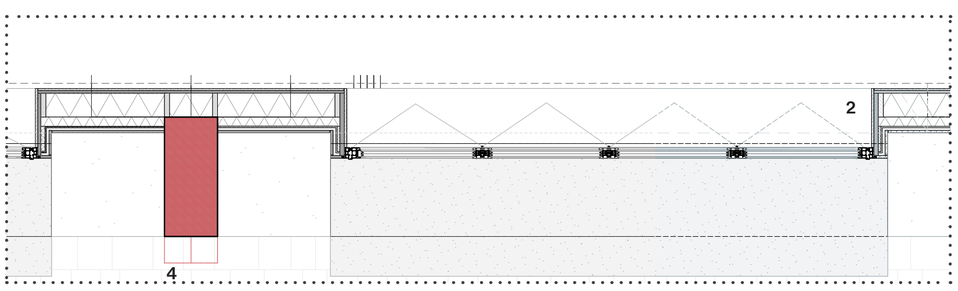

North South metro station
Municipality Amsterdam
Park
Skatepark
De Bowling
The Market
Shopping mall



first floor 1:50







1. Floor RC 8,2 out-in
existing in-situ concrete ground floor on sand 200mm
Vapour-permeable, weather-resistant membrane
PIR insulation 170mm
climalevel system element with floor heating
cement screed floor, sanded and coated 90mm

2.
- Solarlux glazed bi-folding door triple glas HR+++
- intergrated sunscreen with 45 degrees glider system

3.
- wood fiber panel 30mm
- wood fiber insulation 30mm
- ventilation system diameter 130mm
- aluminium sleeves

4.
existing concrete structure

5.
recycled steel structure for roof

6. Wall RC 6,7 out-in
timber exterior cladding 18 mm mounted on battens with strong ventilation 35mm,
15x40mm
multiplex 20mm
Vapour-permeable, weather-resistant membrane
Seamless cavity fill / dense-pack cellulose 260mm
Pir insulation 80mm
Vapour-permeable membrane
plasterboard 15mm
finishing coat 15mm

7.
- aluminium window frame,
- Kawneer RT82
- triple glas HR+++
- aluminium water sill

8. Wall RC 6,4 out-in
breathable ultra-thin lime plaster 30mm
3 layered hempcrete blocks 600x300x150mm
Lime-based adhesive mortar 5mm

9. Flooring
- CLT 3-layer, 120 mm thick
- acoustic floor insulation 80mm
- Raised access floor with integrated underfloor heating elements at the base
- Integrated ventilation system, Ø130 mm ducts
- floor finish 20mm

10.
- wooden canopy installed with slope to drain
- solar panels
- anodized aluminium cover profile
- glued laminated timber beam 500x360mm

11. Roof RC 6,3
- CLT 5-layer, 200 mm thick
- Vapour-permeable membrane
stonewool inclined insulation, 220mm
- root-resistant waterproof membrane
- protection fleece
- drainage board
- filter layer
- lightweight substrate 130 mm
- extensive sedum vegetation