

Wan Huang

DYNAMIC HABITAT BEIRUT

Beirut studio



complex projects

08/04/2020

spring semester

Group site plan (1:10'000)

Site plan (1:1'000)

Urban implementation (1:500)

Floor plans (1:200)

Sections (1:200)

Interior fragment (1:50)

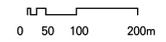
Envelope fragment (1:20)

Details (1:5)

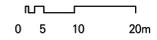
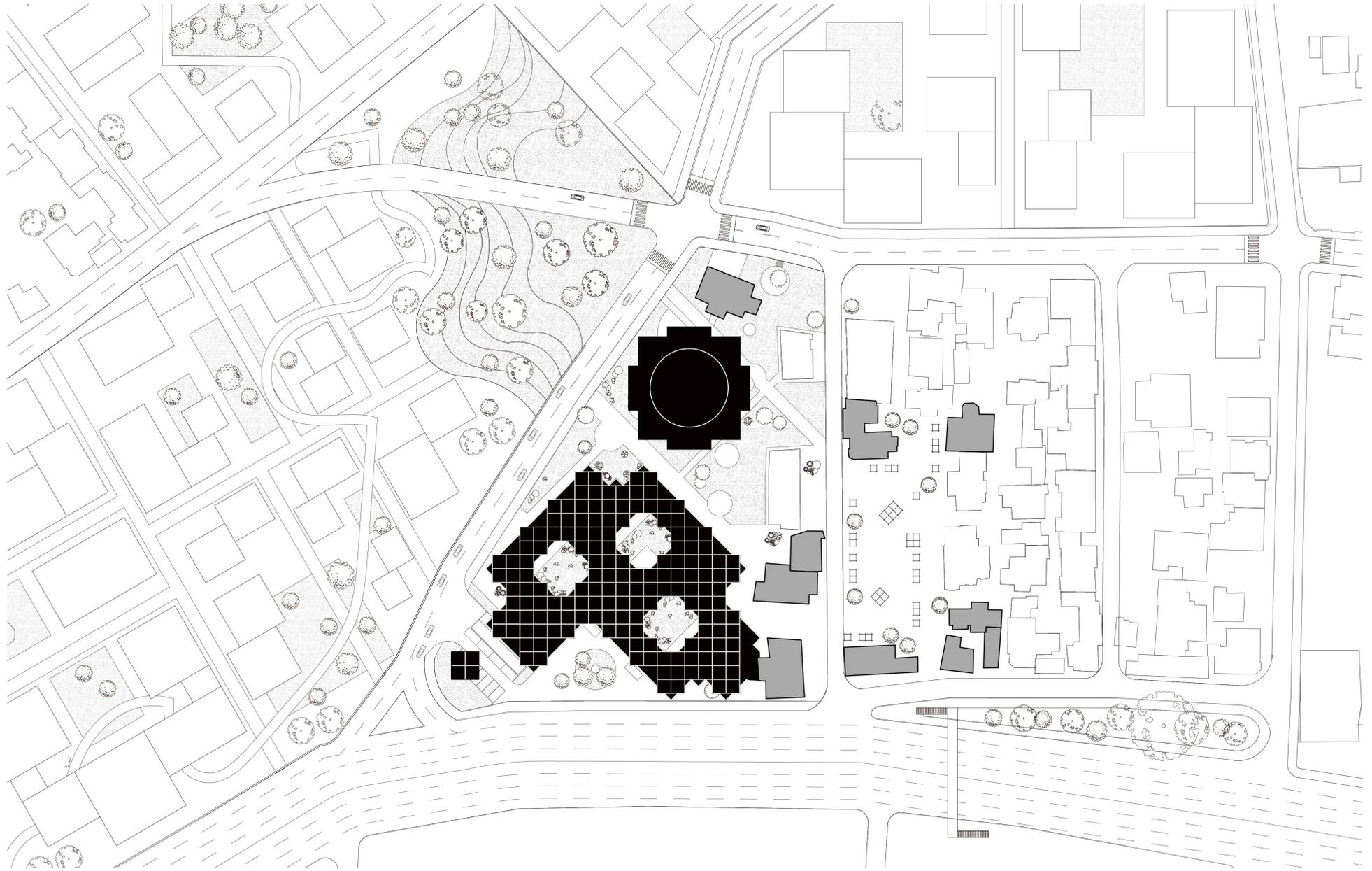
Rendering

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Group site plan (1:10'000)



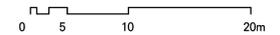
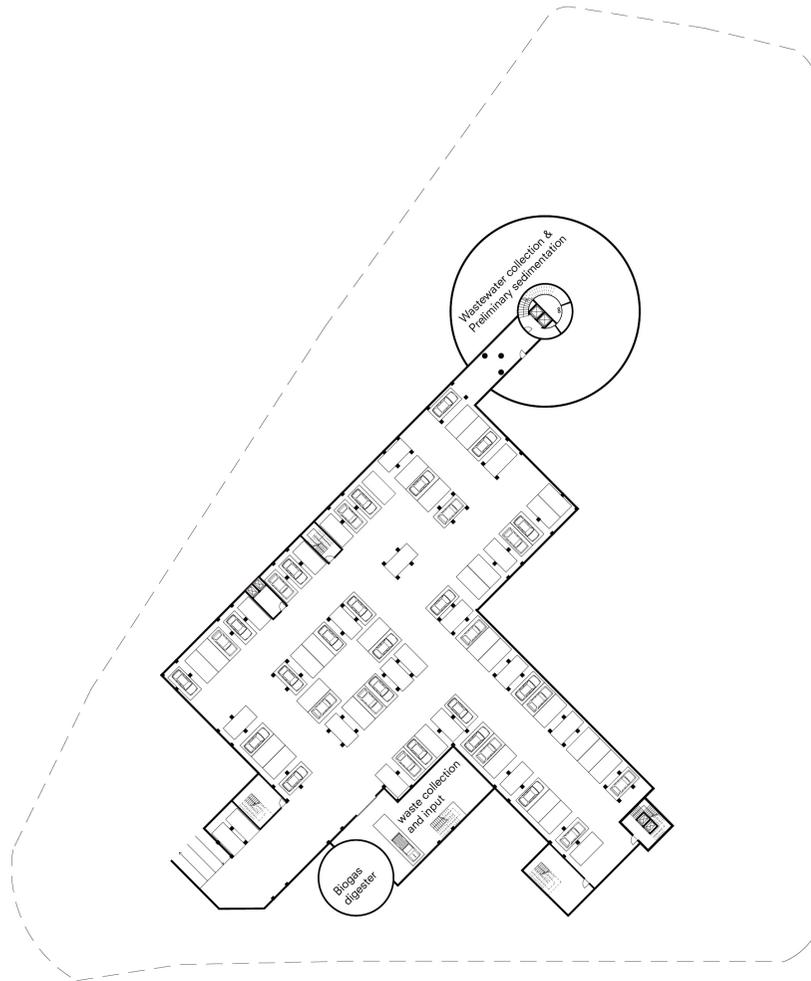
Drawing set
Site plan (1:1'000)



Drawing set
Urban implementation (1:500)



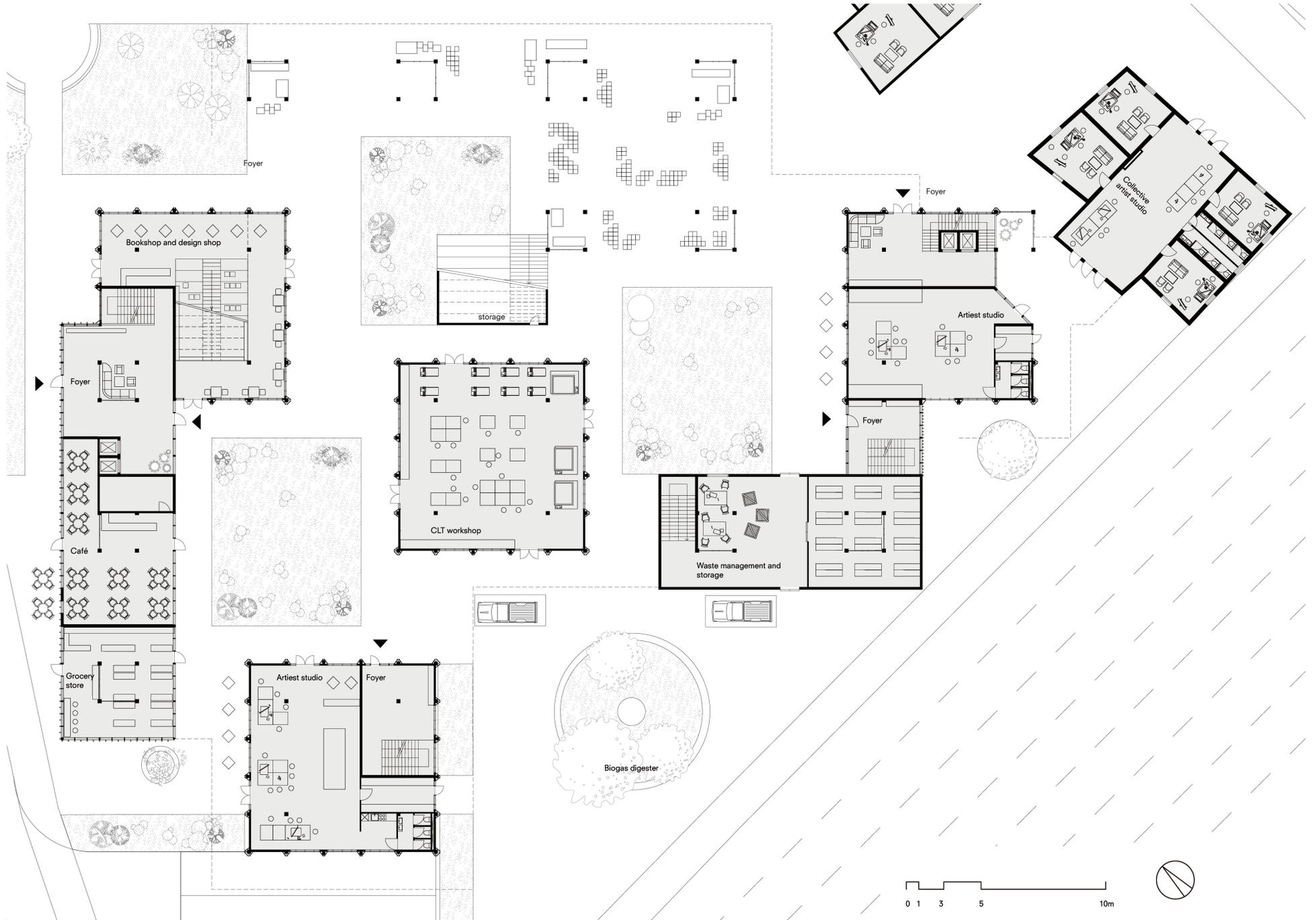
Underground floor plan (1:500)



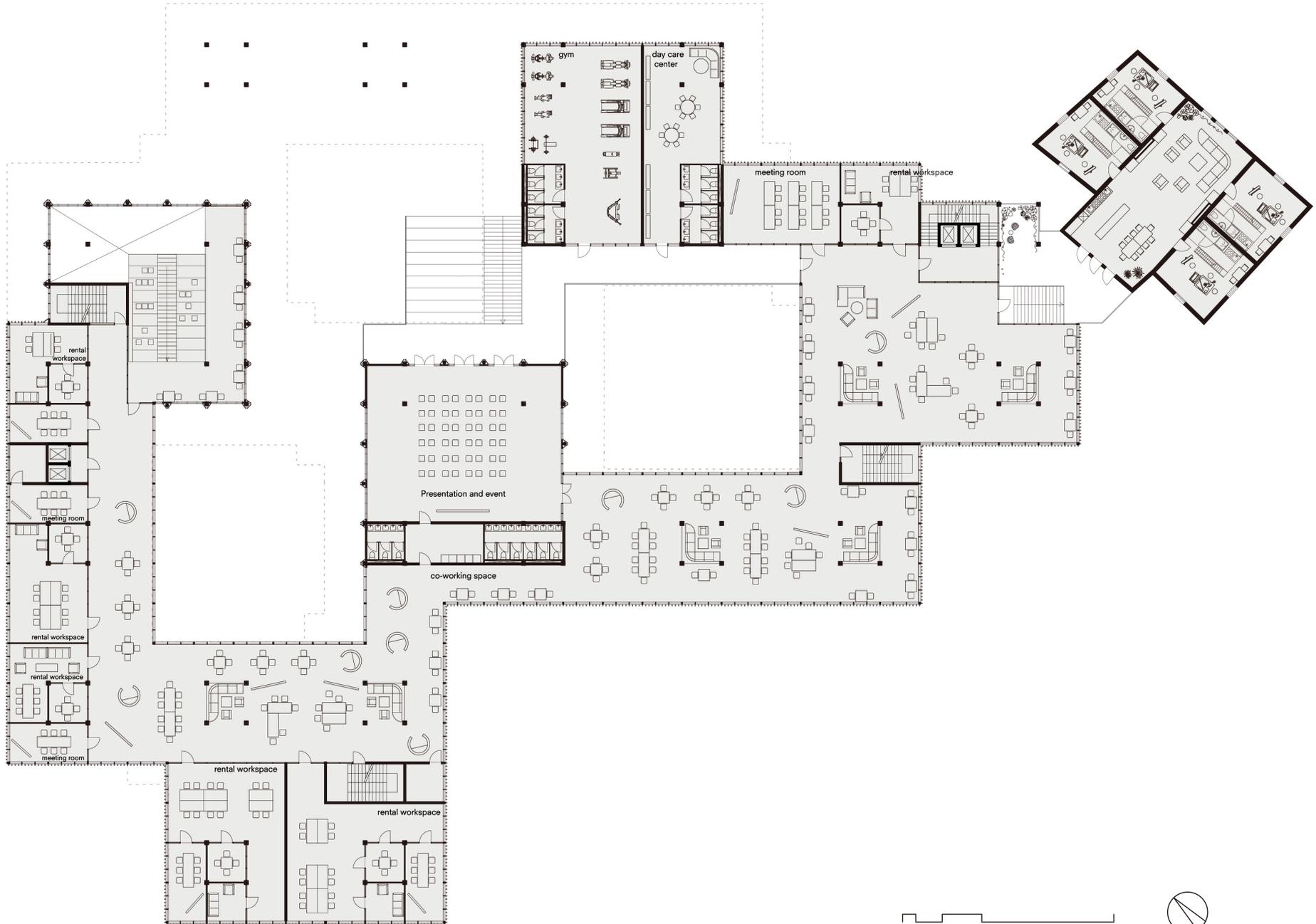
Reused heritage floor plan (1:250)



Solar matrix ground floor plan (1:250)



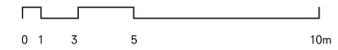
Solar matrix 1st floor plan (1:250)



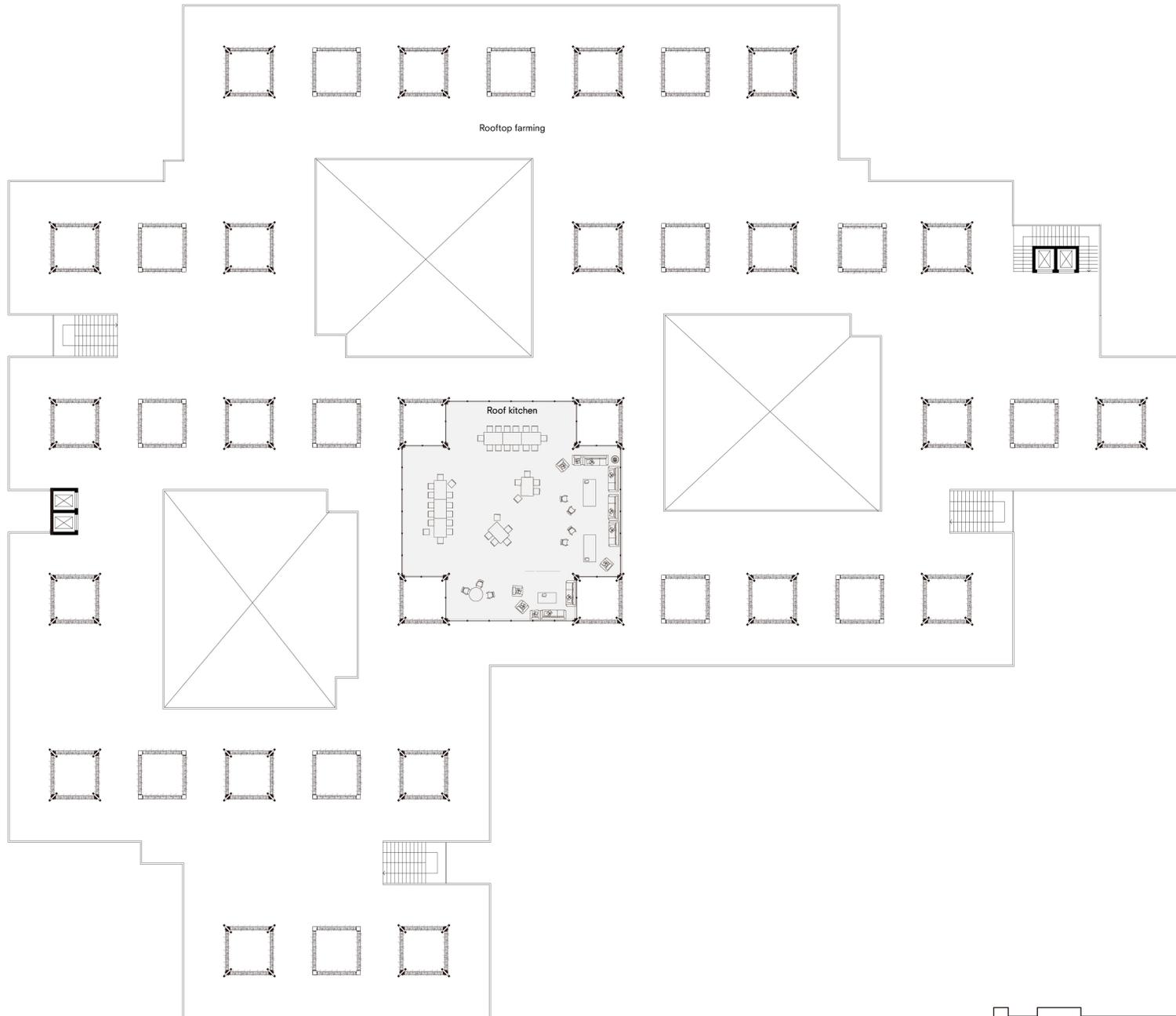
Solar matrix residential floor plan: family living model(1:250)



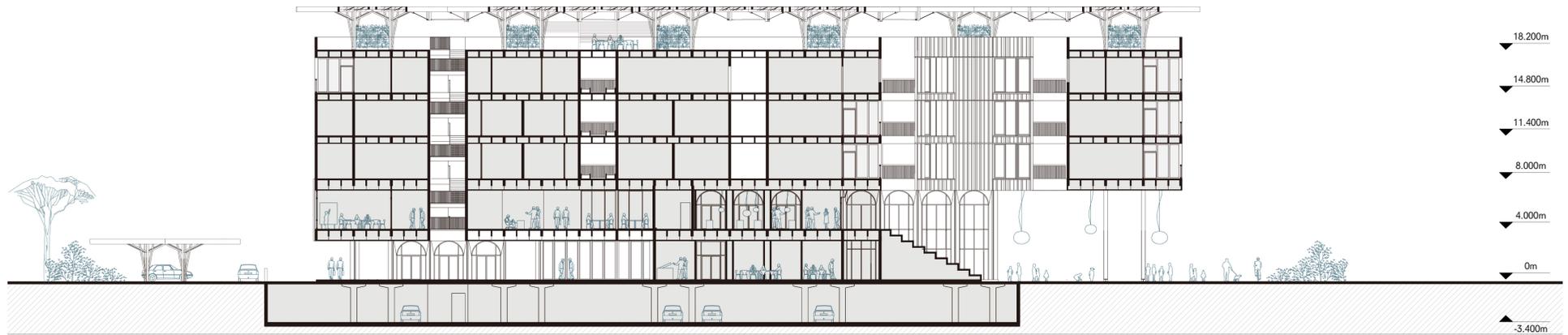
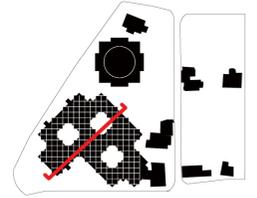
Solar matrix residential floor plan: collective model(1:250)



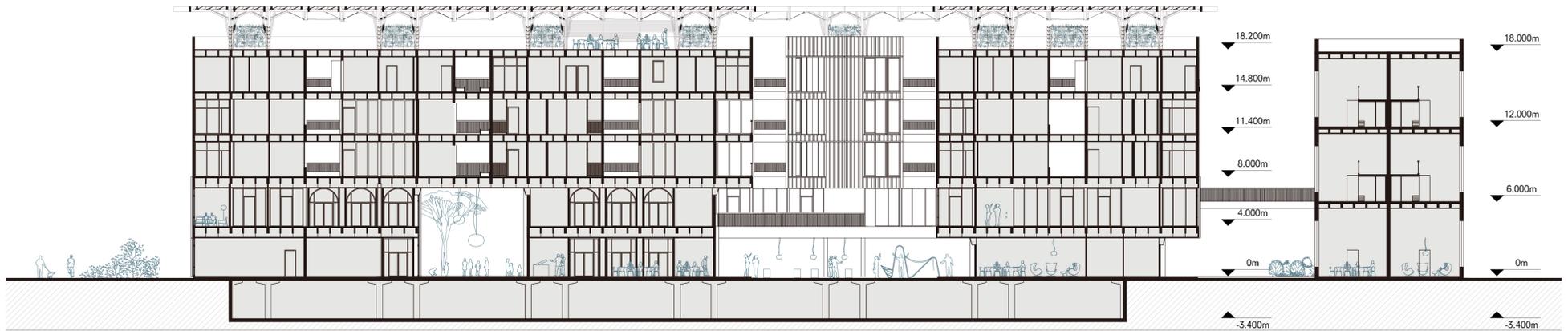
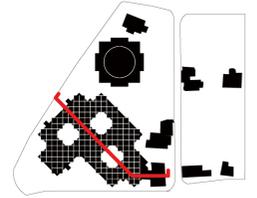
Solar matrix residential floor plan: roof garden (1:250)



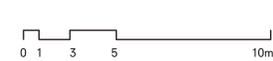
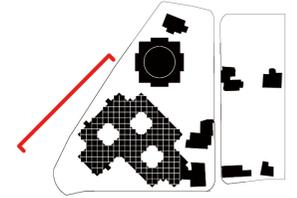
Drawing set
Solar matrix section (1:300)



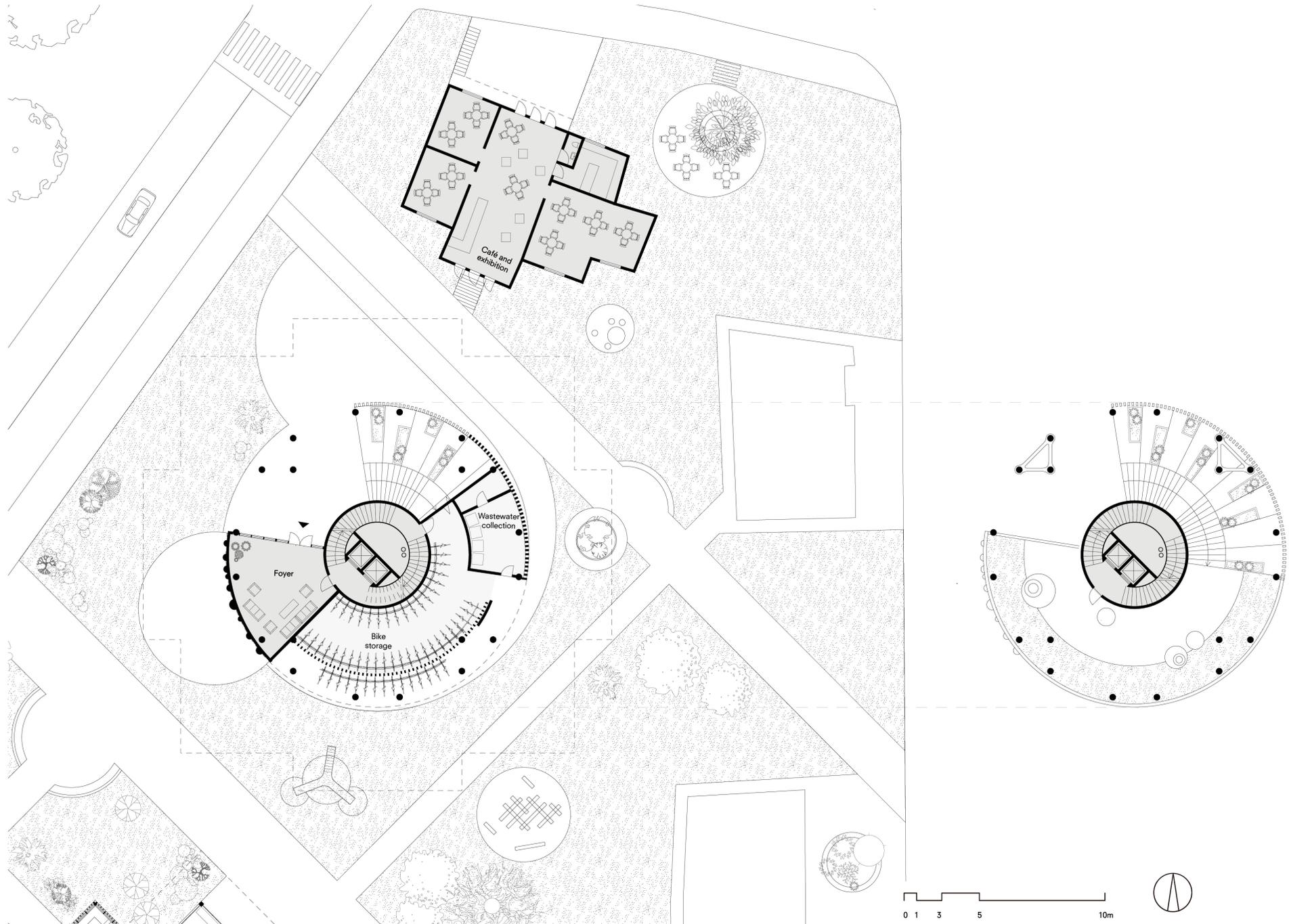
Drawing set
Solar matrix section (1:300)



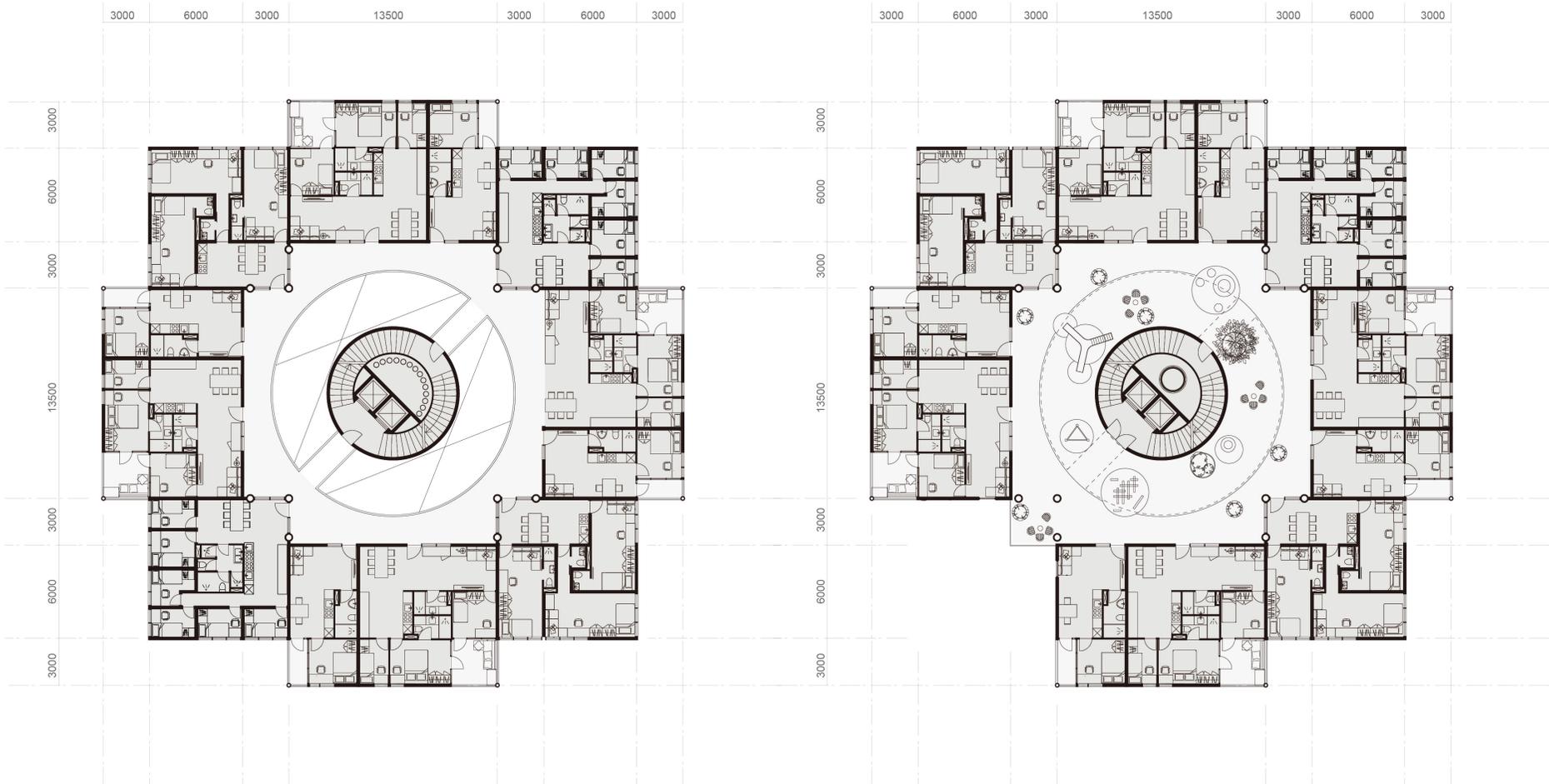
Drawing set
Solar matrix facade (1:300)



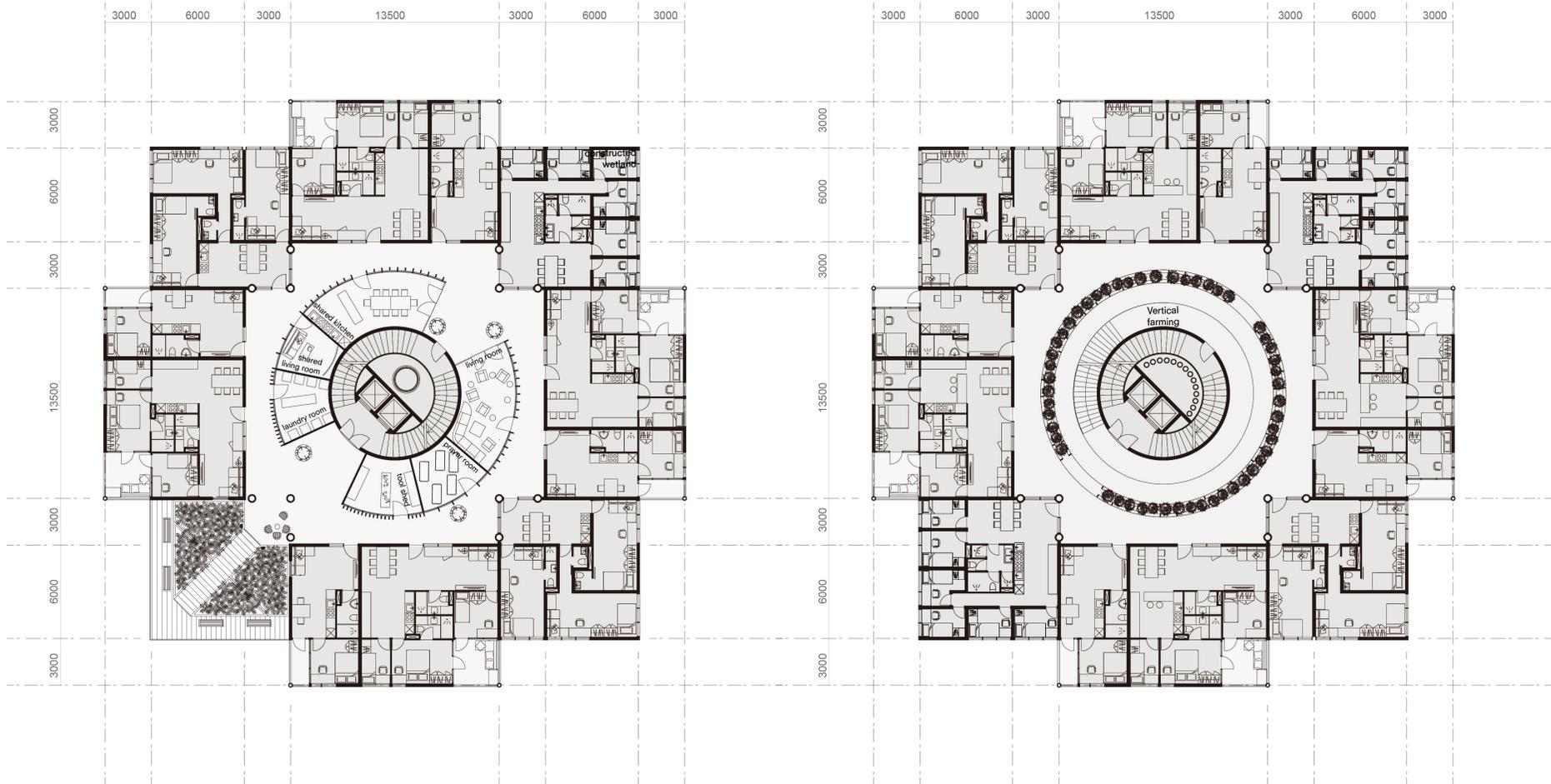
Water tower floor plan (1:250)



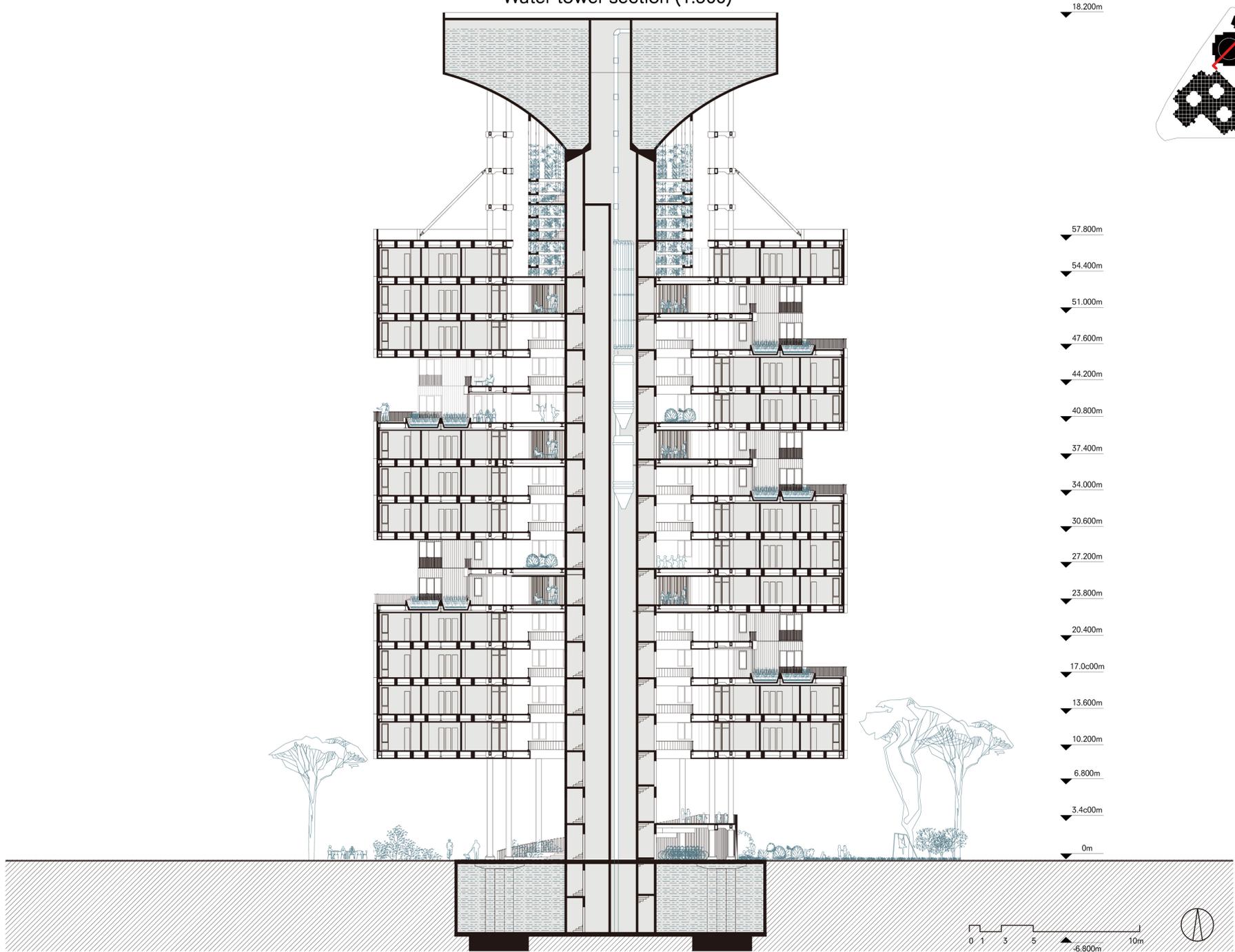
Water tower floor plan (1:250)



Water tower floor plan (1:250)

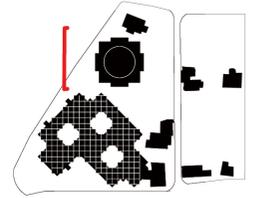


Water tower section (1:300)



Water tower facade (1:300)

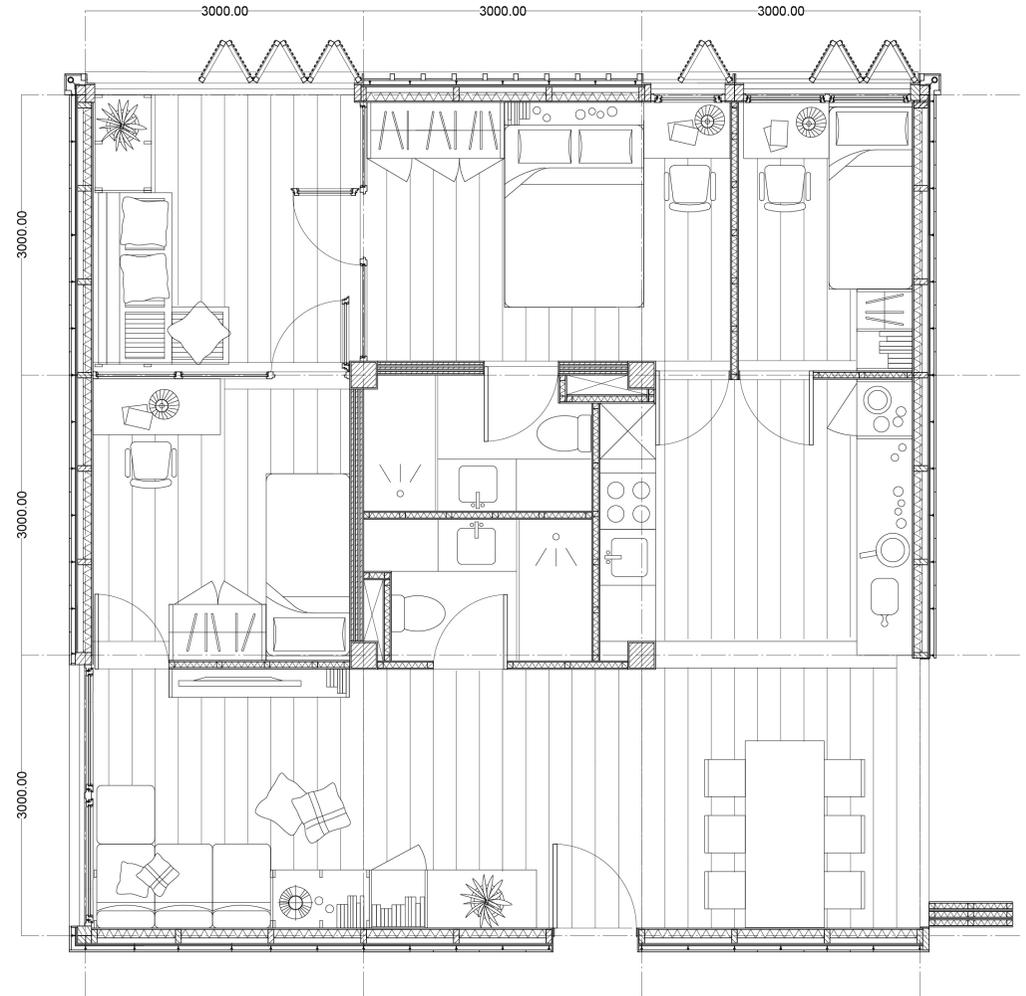
18.700m



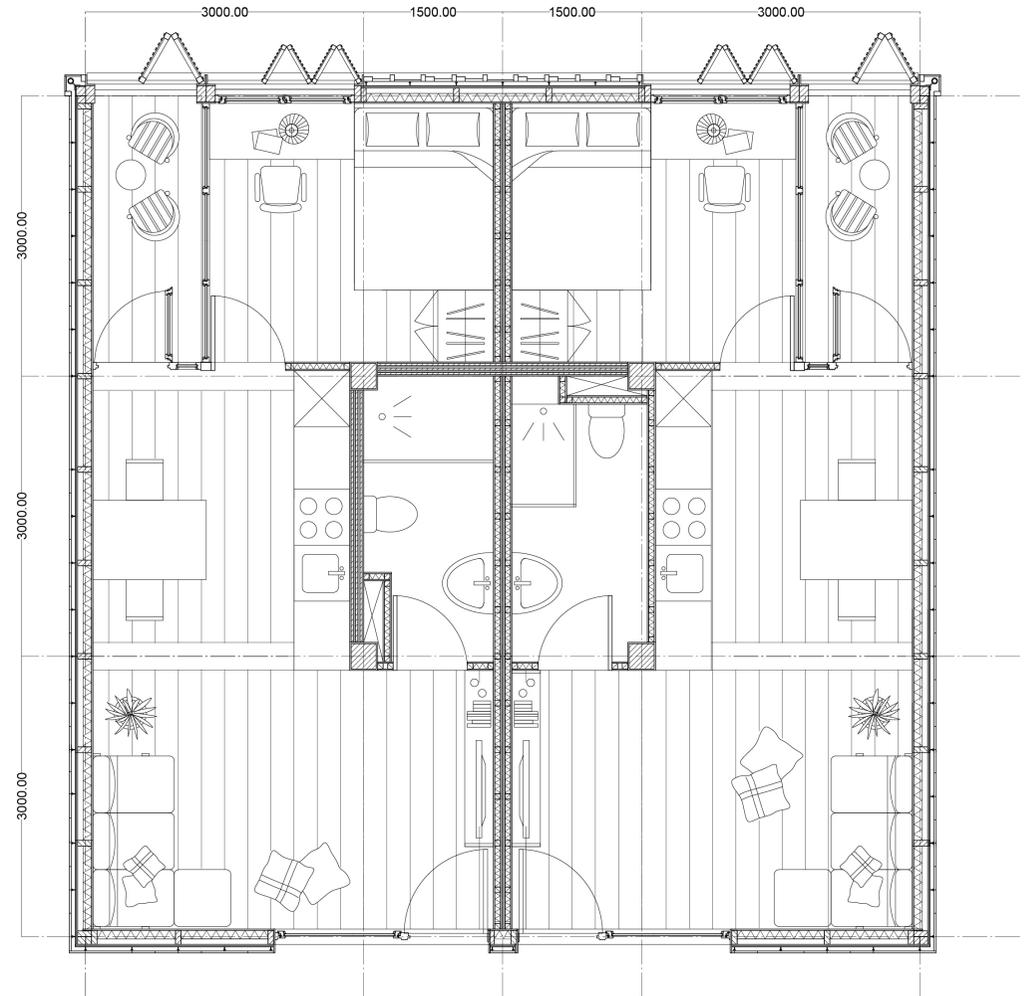
0 1 3 5 10m



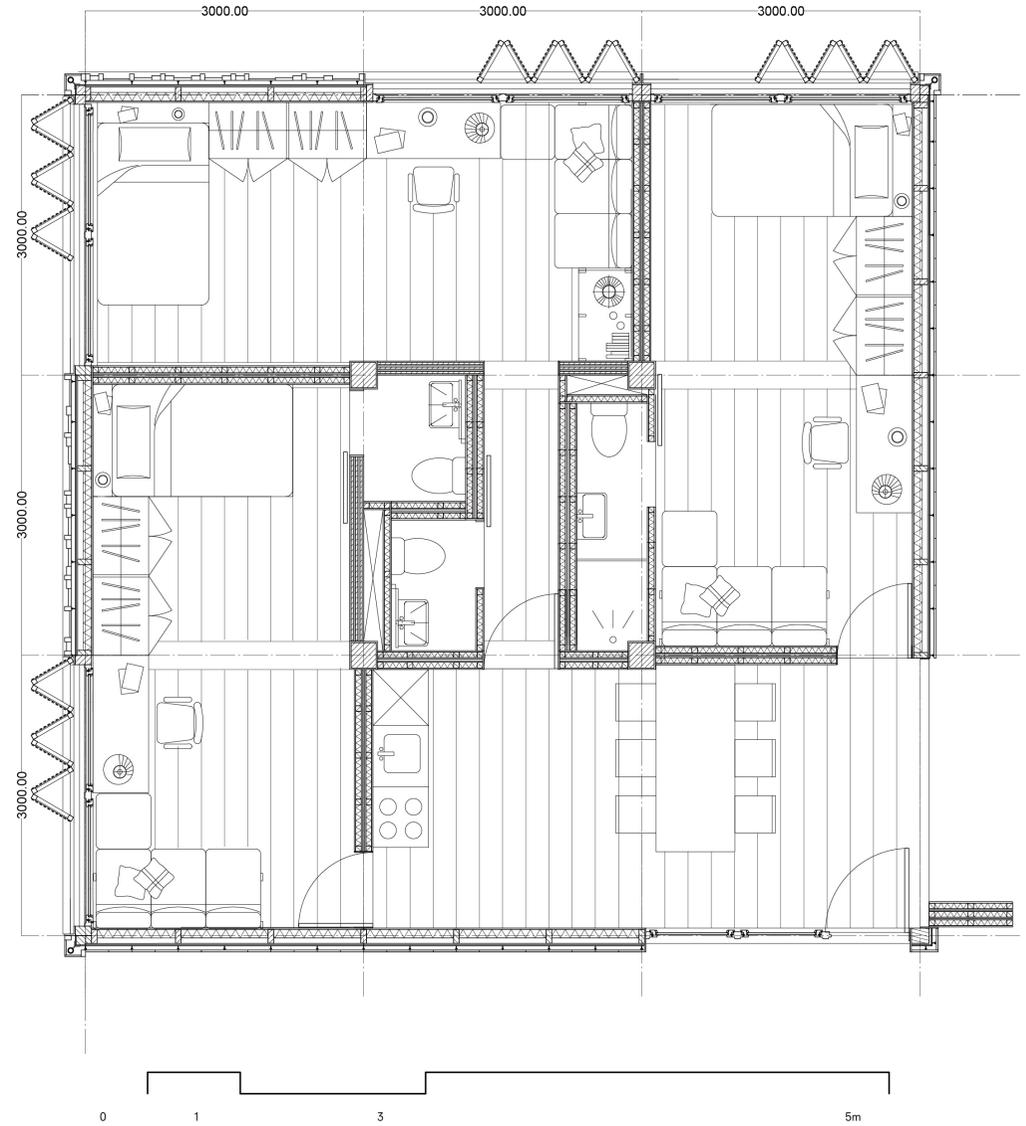
Drawing set
Unit L Interior fragment (1:50)



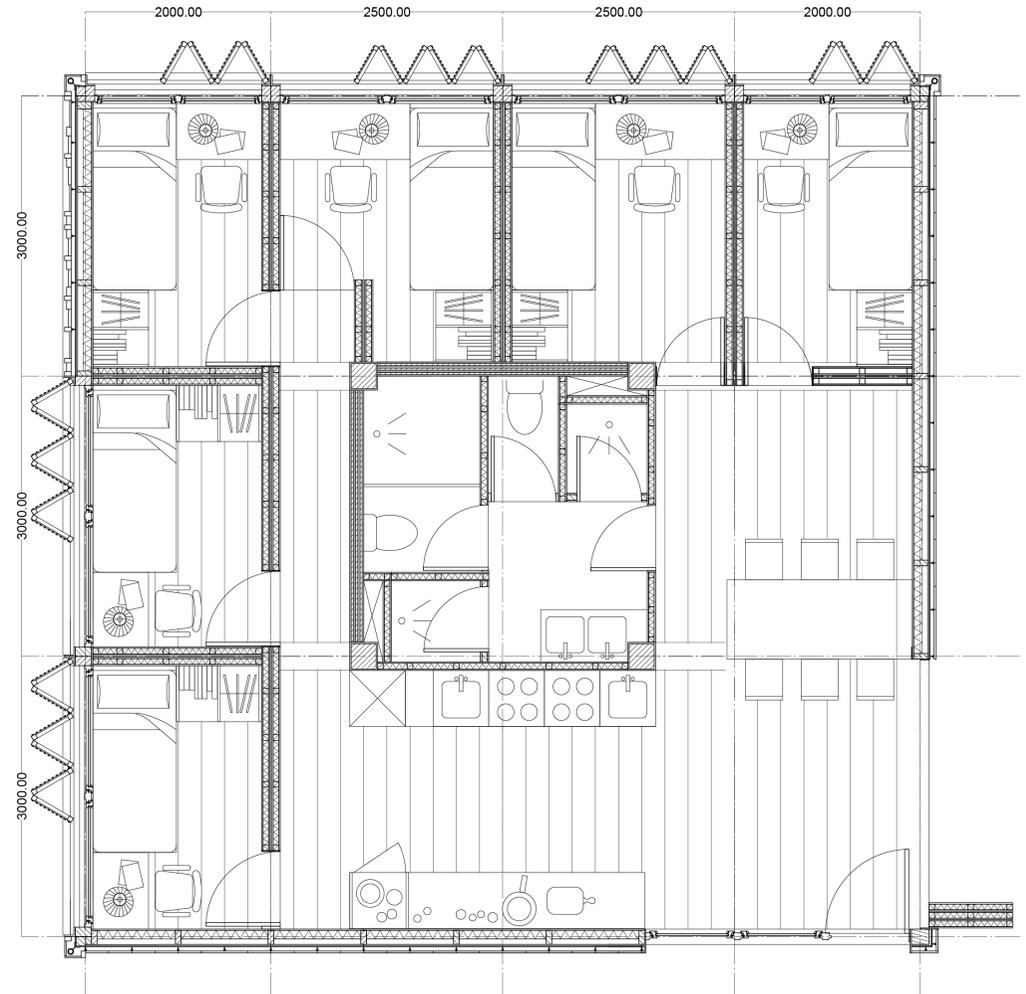
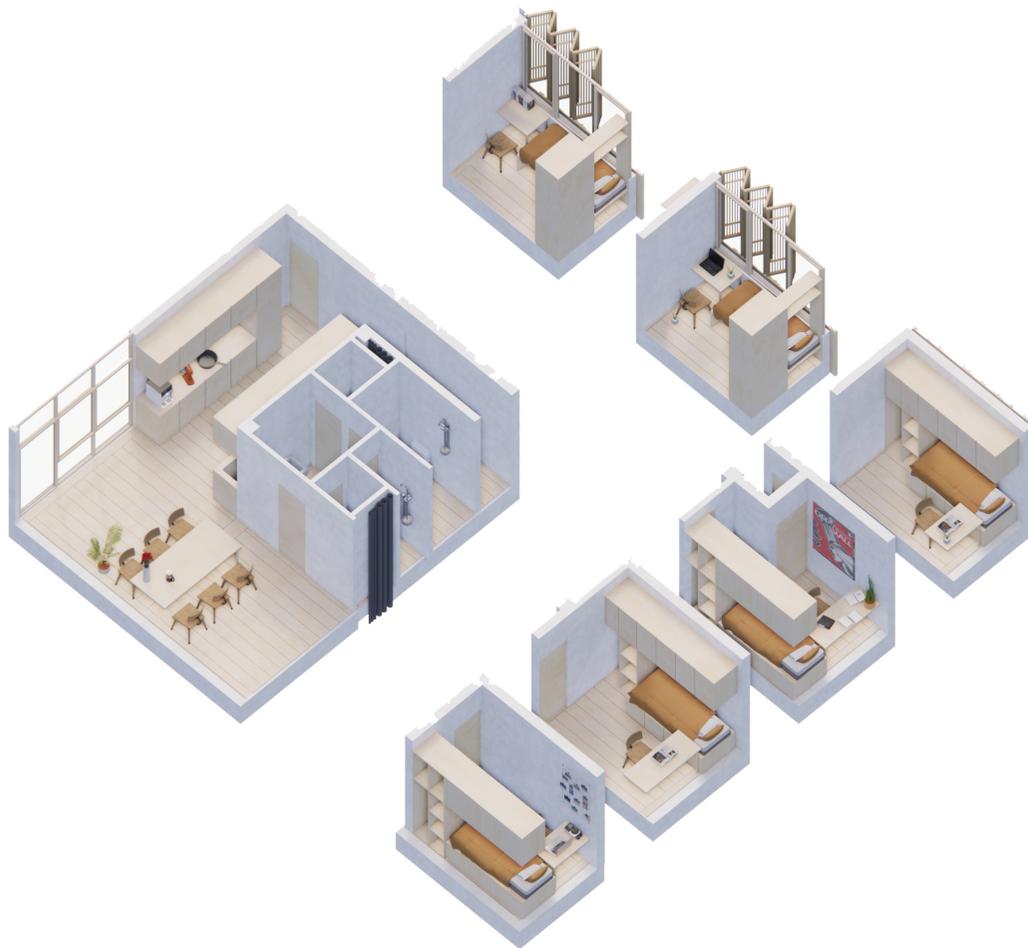
Unit M Interior fragment (1:50)



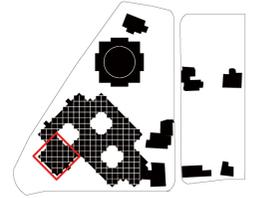
Drawing set
Unit S Interior fragment (1:50)



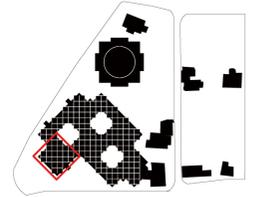
Unit XS Interior fragment (1:50)



Family living layout Interior fragment (1:100)



Co-living layout Interior fragment (1:100)



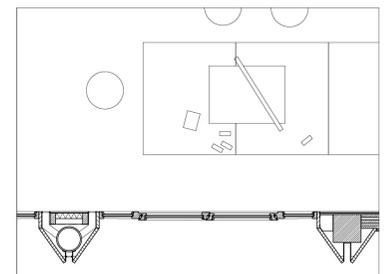
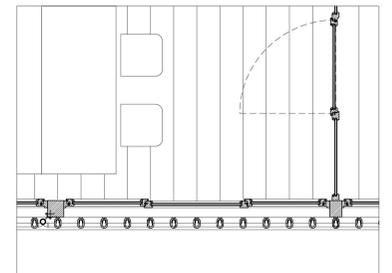
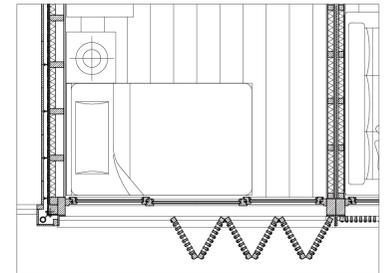
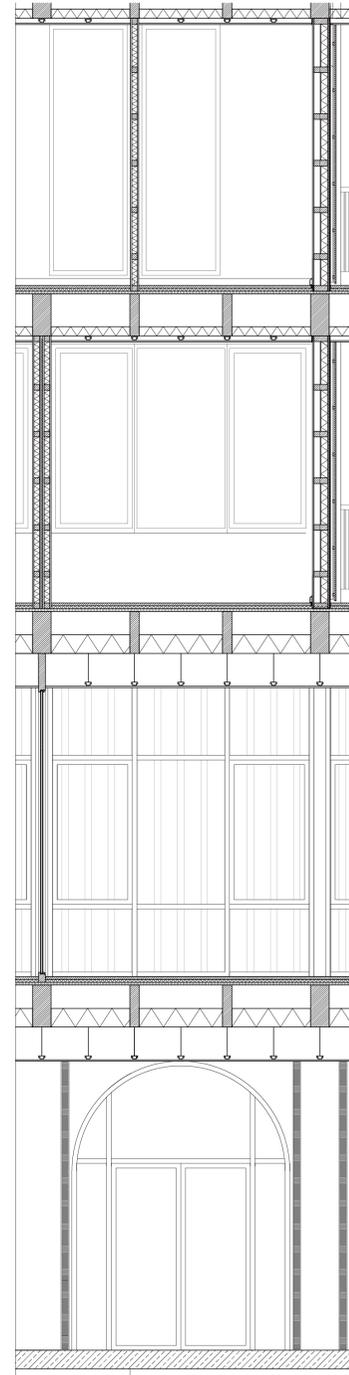
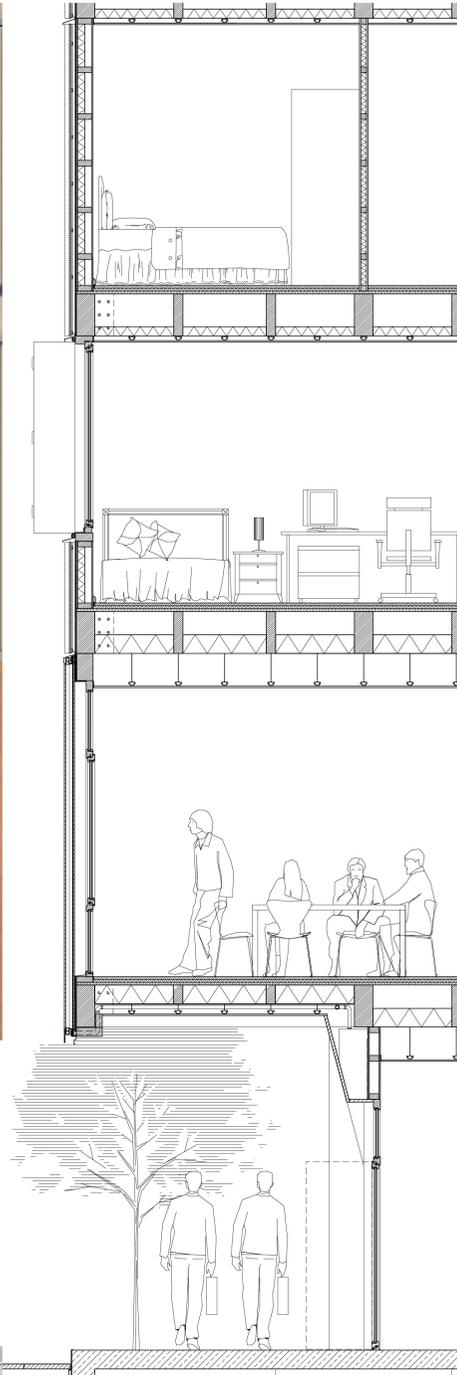
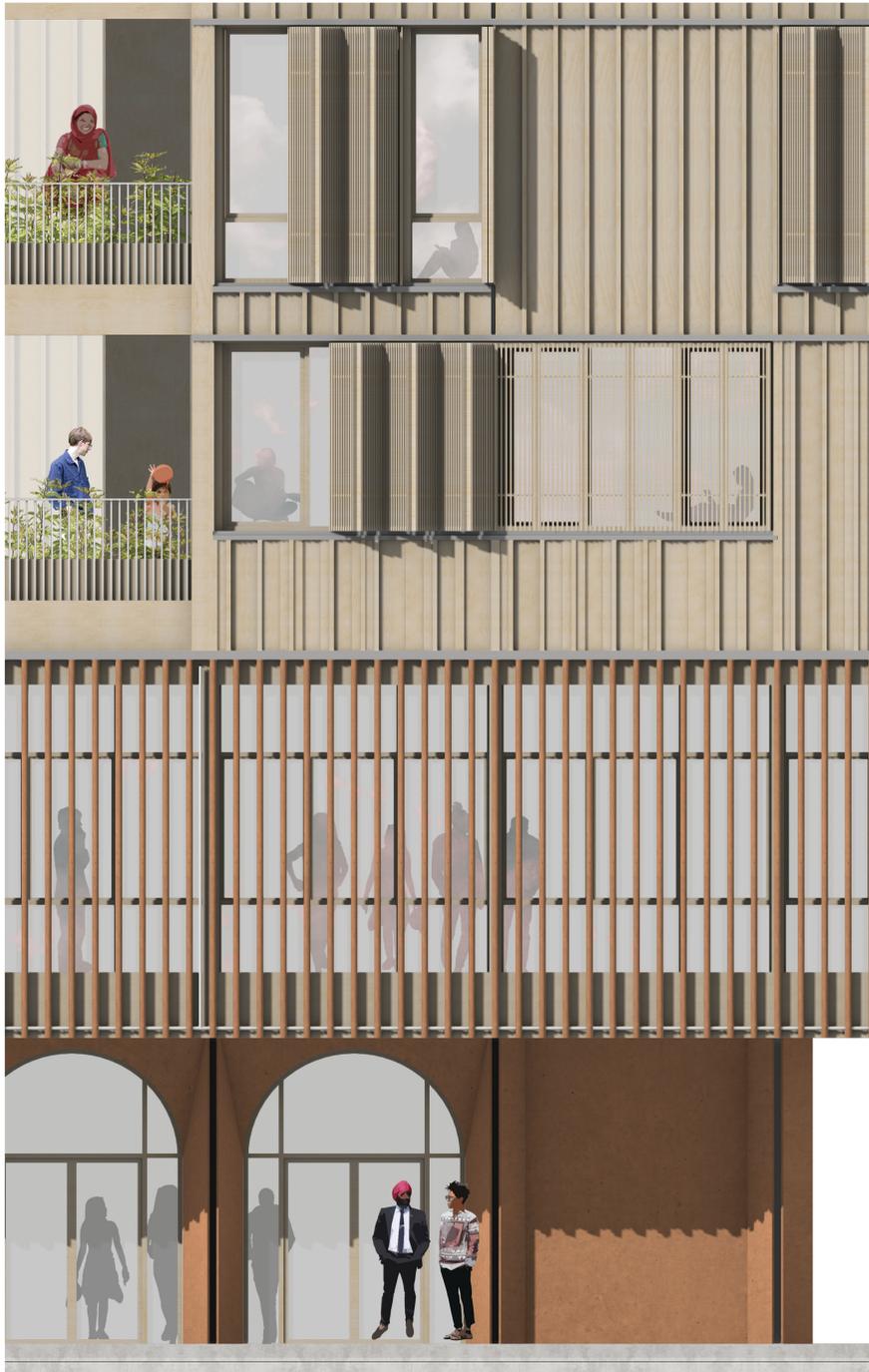
Solar matrix interior section (1:50)



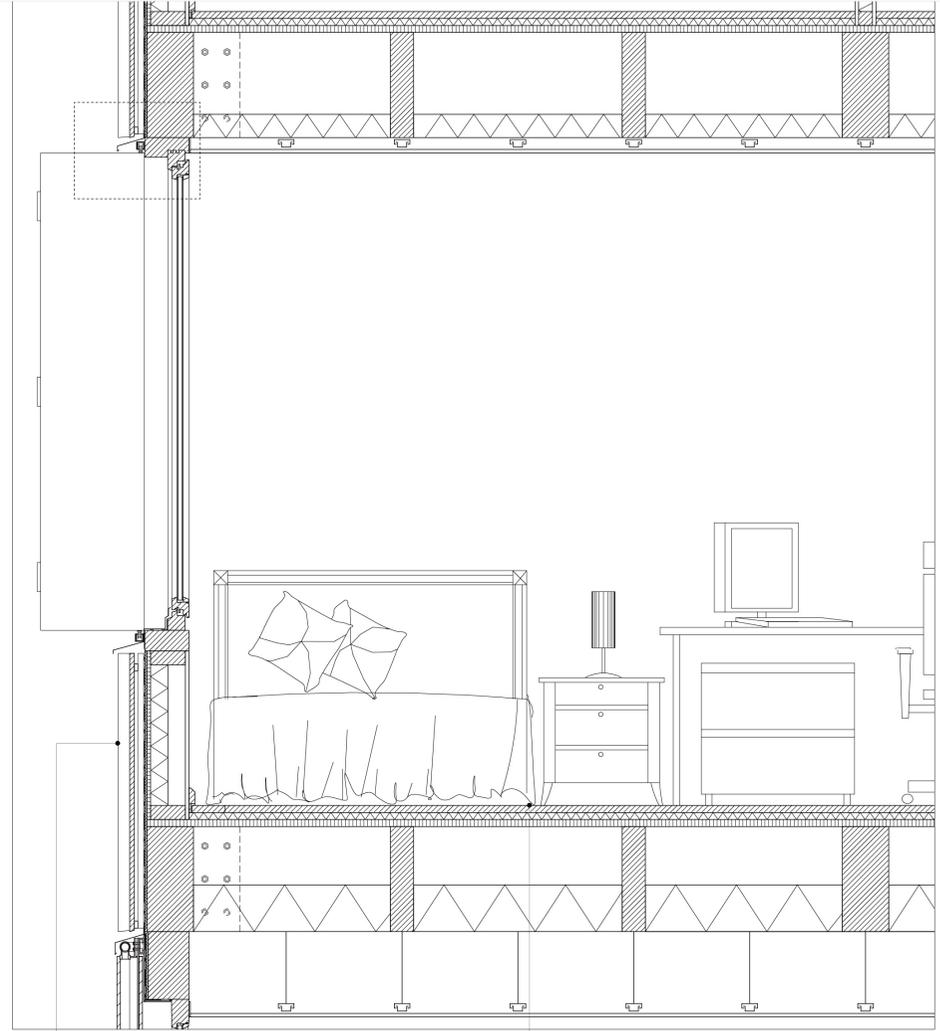
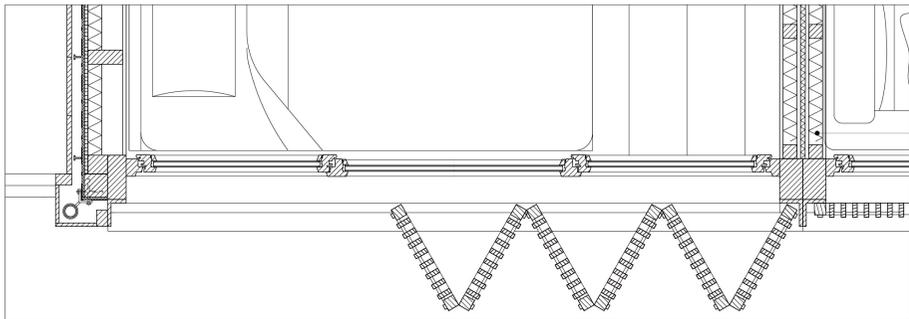
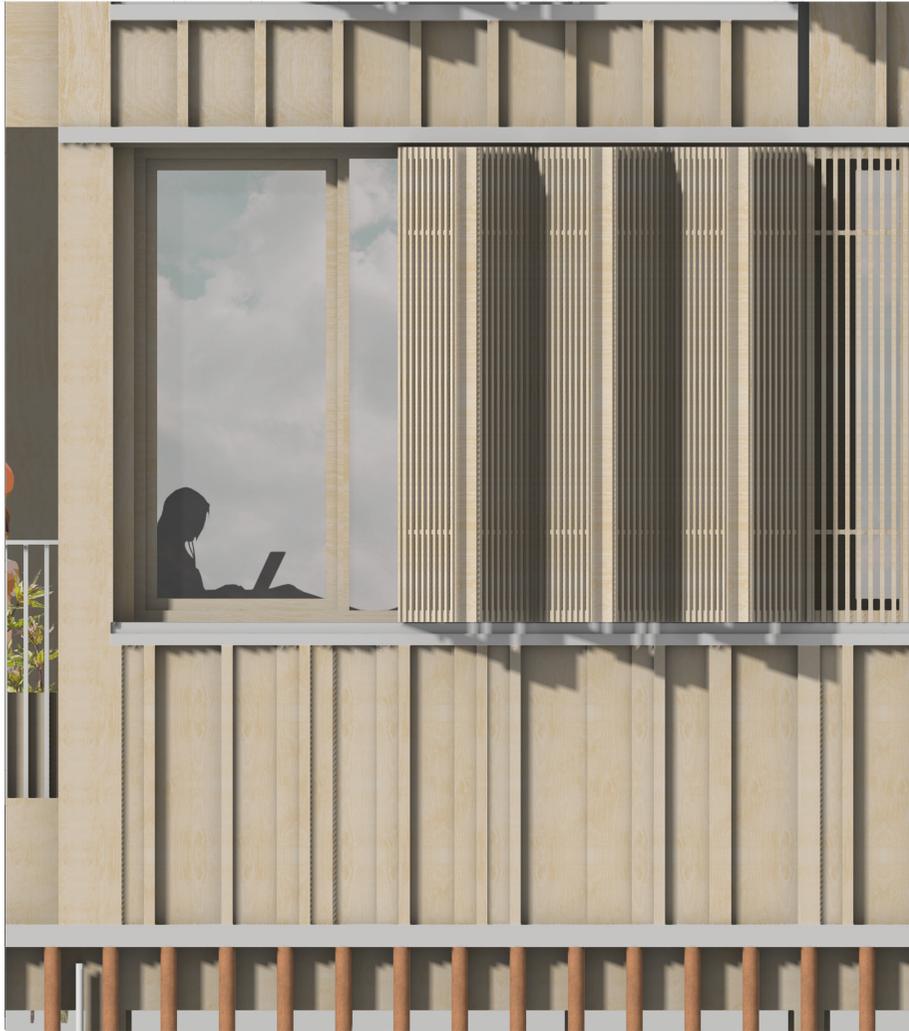
Water tower interior section (1:50)



Facade detail (1:20)



Facade detail (1:20)



- Prefabricated Unit facade
 - glazed spruce 20mm
 - horizontal carrier rail 15mm
 - vertical carrier rail 25mm
 - ventilation cavity 40mm
 - vapour barrier
 - thermal insulation 10mm
 - OSB board 15mm
 - wood stub 150mm
 - fire-prevention plasterboard 15mm

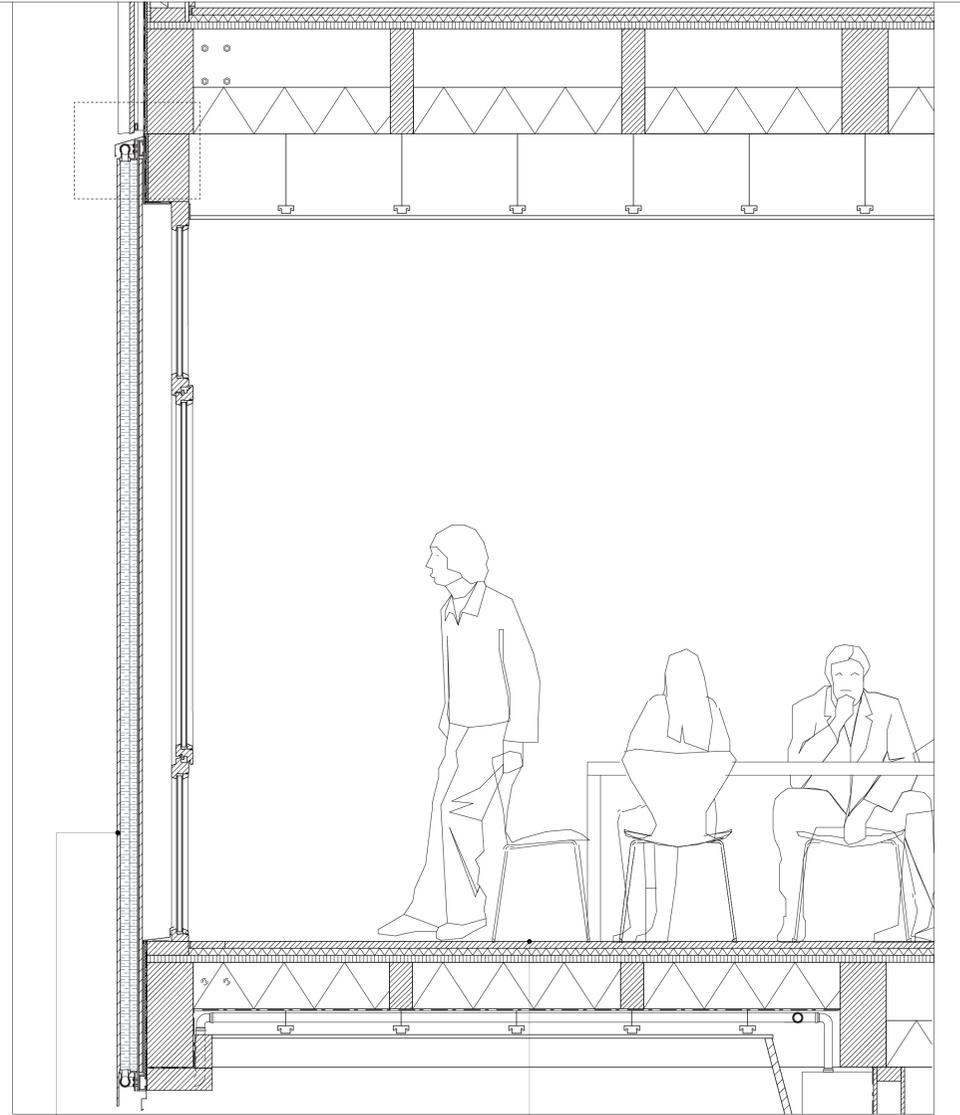
- Panel structure double wall as party wall
 - plasterboard 15mm
 - wood stub 60mm
 - OSB board 15mm
 - mineral wood 20mm
 - OSB board 15mm
 - wood stub 60mm
 - plasterboard 15mm

- Floor slab
 - acoustic flanking band
 - flooring, 30*250mm
 - impact sound insulation 30mm
 - OSB board 30mm
 - frame of joist 100*450mm
 - squared timber beam, 200*450mm
 - sound insulation between beams 100mm
 - resilient sound insulation clips
 - insulation cavity 50mm
 - fire-prevention plasterboard 15mm

0 1 3m

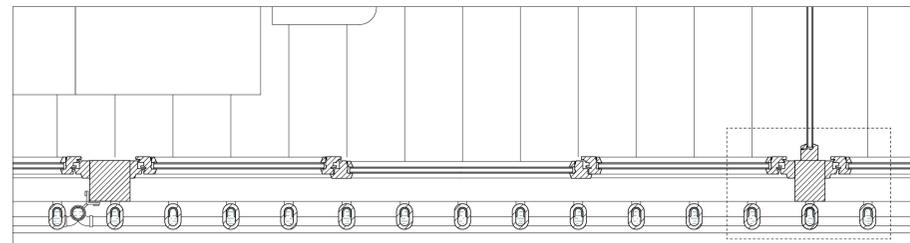


Facade detail (1:20)

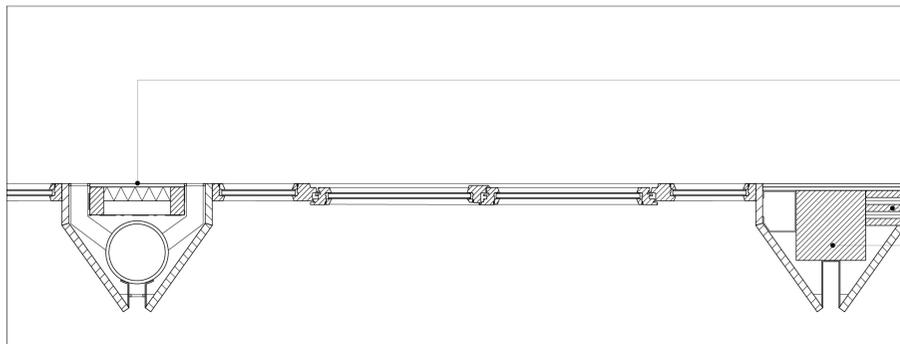
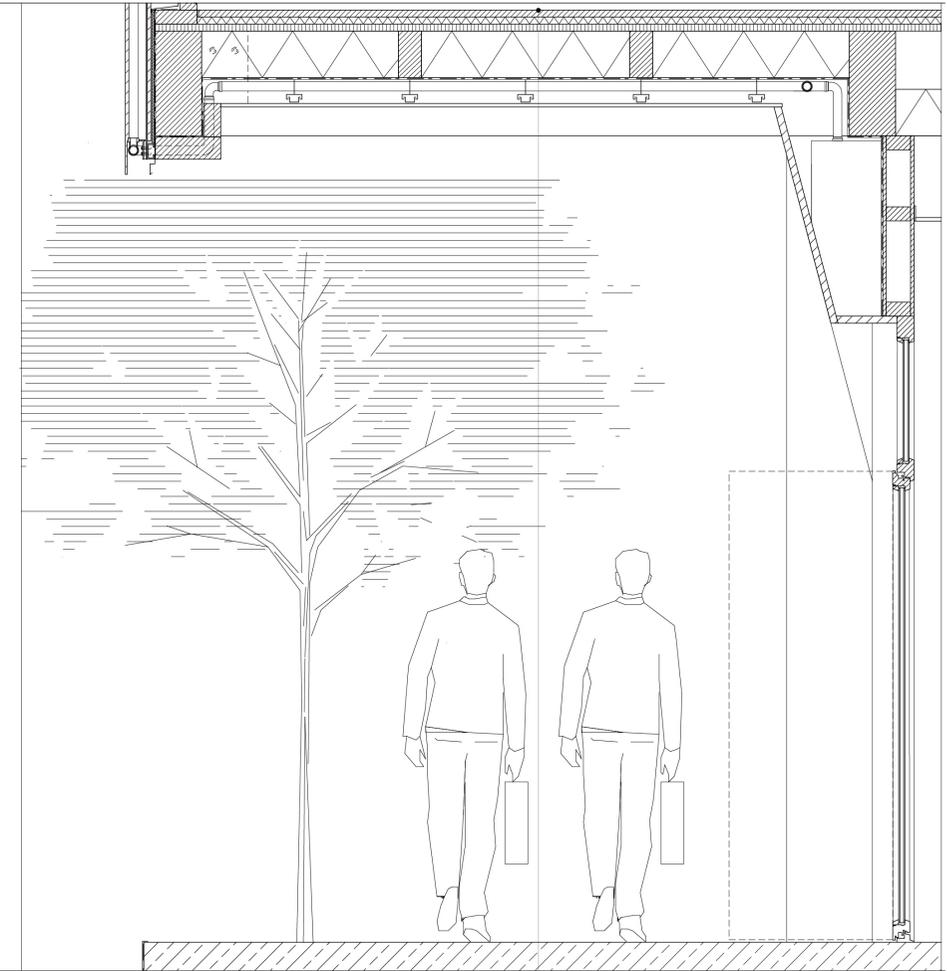


- Prefabricated facade of co-working space
 - unglazed terracotta tube 110mm*70mm
 - glazed spruce 20mm
 - vapour barrier
 - thermal insulation 10mm
 - wood stub 150mm

- Floor slab
 - acoustic flanking band
 - flooring, 30*250mm
 - impact sound insulation 30mm
 - OSB board 30mm
 - frame of joist 100*450mm
 - squared timber beam, 200*450mm
 - sound insulation between beams 200mm
 - resilient sound insulation clips
 - insulation cavity 350mm
 - fire-prevention plasterboard 15mm



Facade detail (1:20)

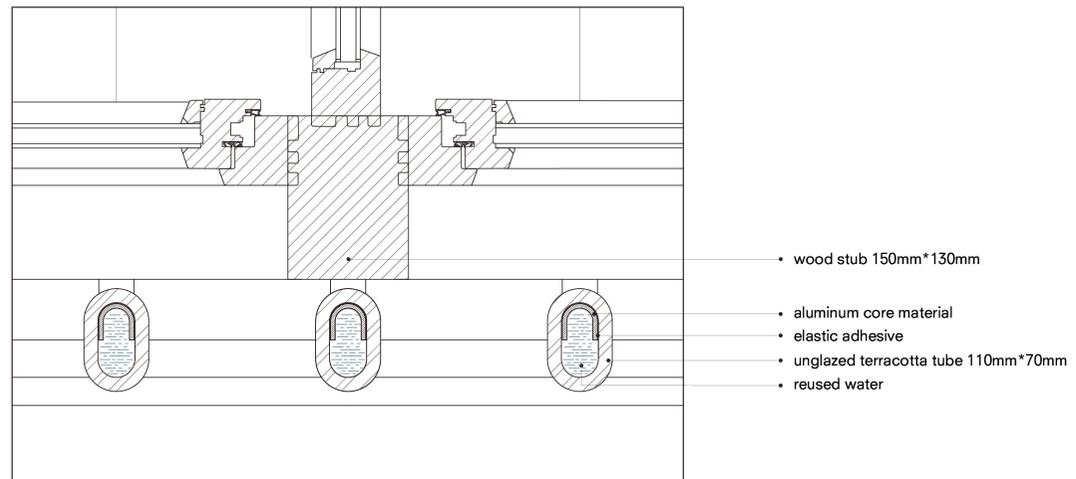
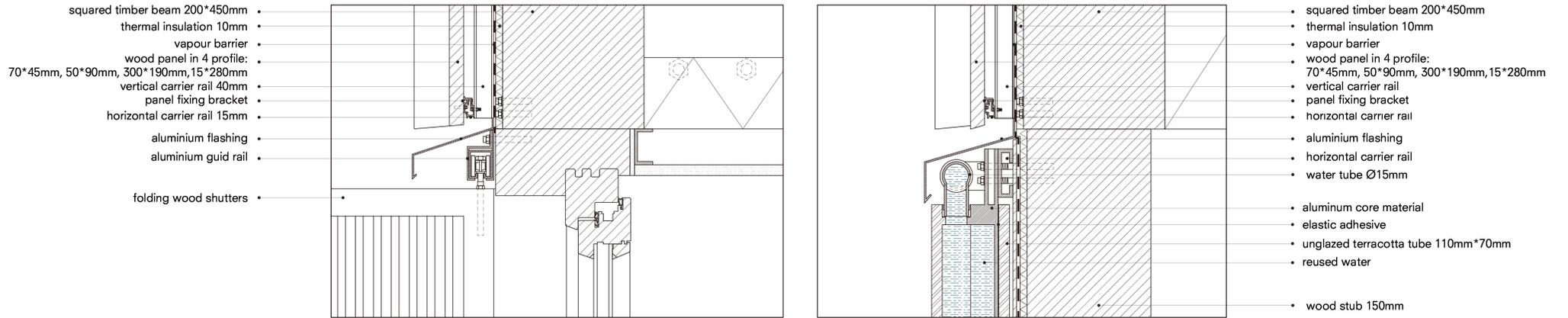


- Prefabricated facade of workshop space
terracotta cladding 30mm
evaporate cooling tube Ø120mm
wood stub 120mm
mineral wood 60mm
fire-prevention plasterboard 15mm
air outlet
- Stability wall
plasterboard 15mm*2
CLT, 150mm
vapour barrier
terracotta cladding 30mm
- Column
squared timber, 300*300mm

- Floor slab
acoustic flanking band
flooring, 30*250mm
impact sound insulation 30mm
OSB board 30mm
frame of joist 100*450mm
squared timber beam, 200*450mm
sound insulation between beams 200mm
vapour barrier
resilient sound insulation clips
insulation cavity 150mm
fire-prevention plasterboard 15mm

0 1 3m

Details (1:5)



Drawing set
Unit L balcony



Drawing set
Unit L living room







Drawing set

Unit XS



Drawing set
Water tower ground floor



Drawing set
Solar Matrix ground floor



Solar Matrix ground floor



Solar Matrix roof garden



Drawing set
Solar Matrix roof kitchen

