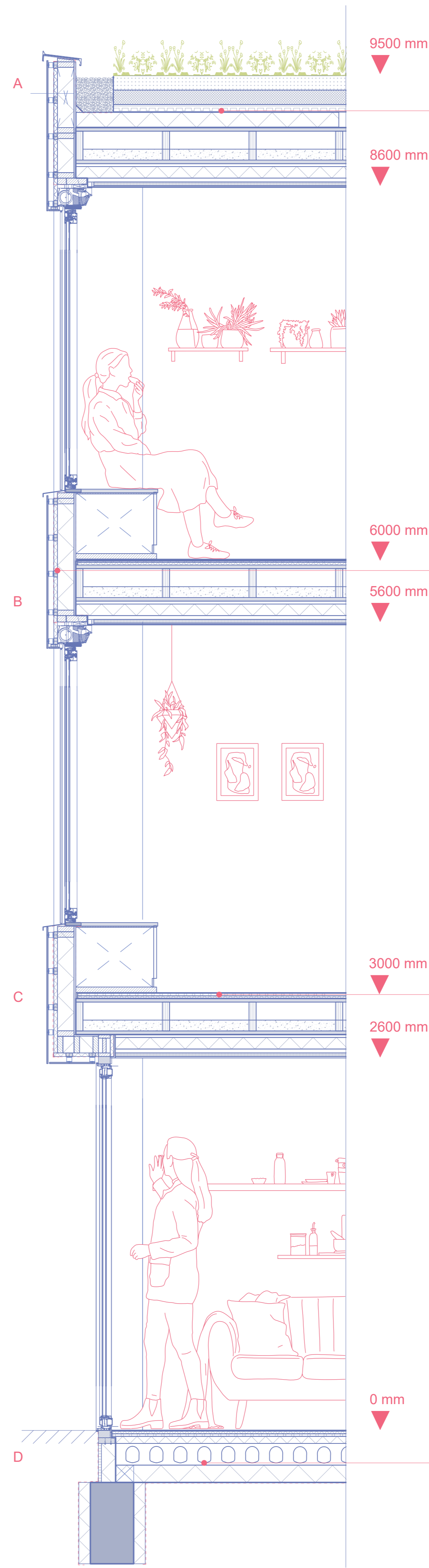
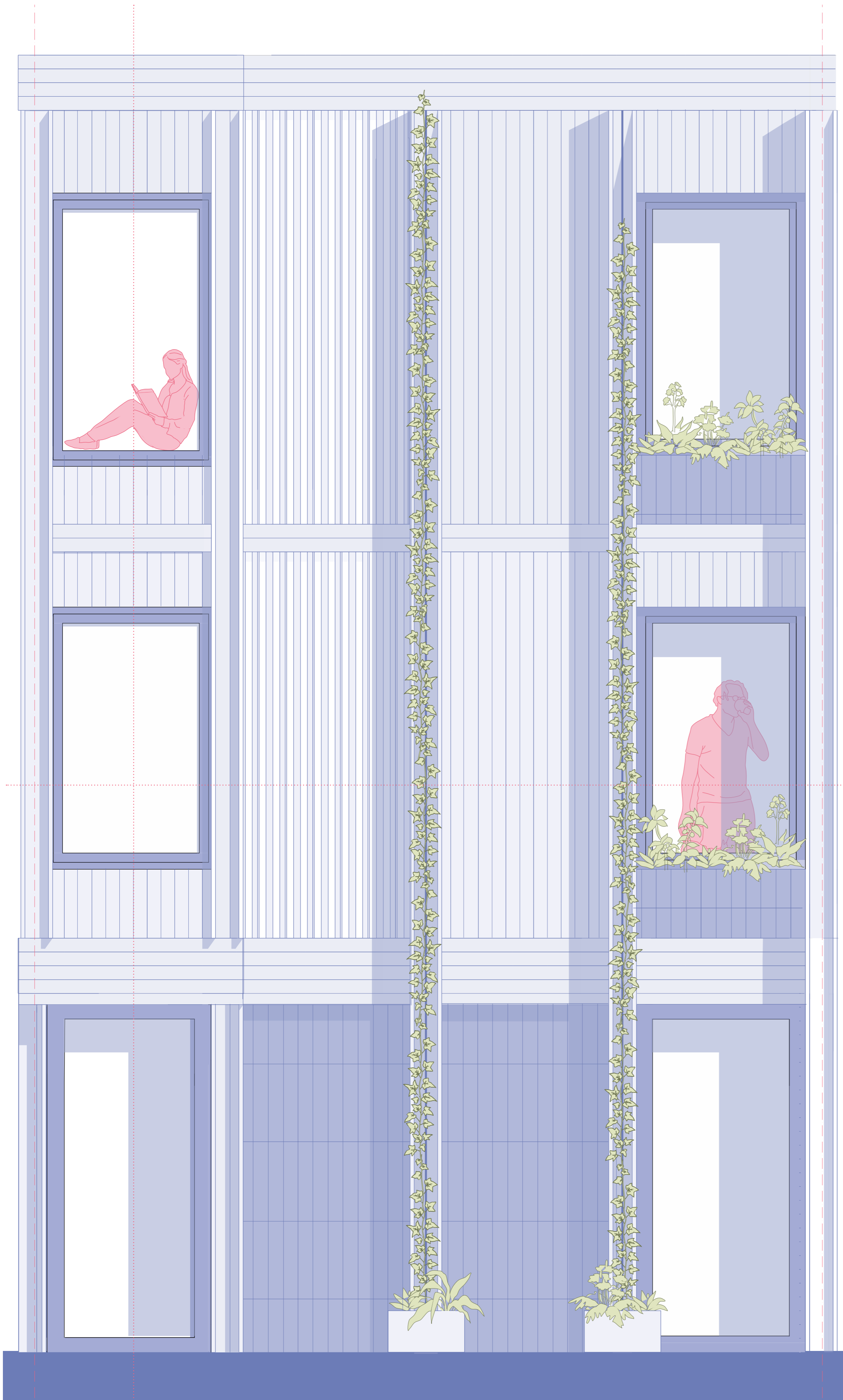


Living Side by Sight

Building Technology



FRAGMENT

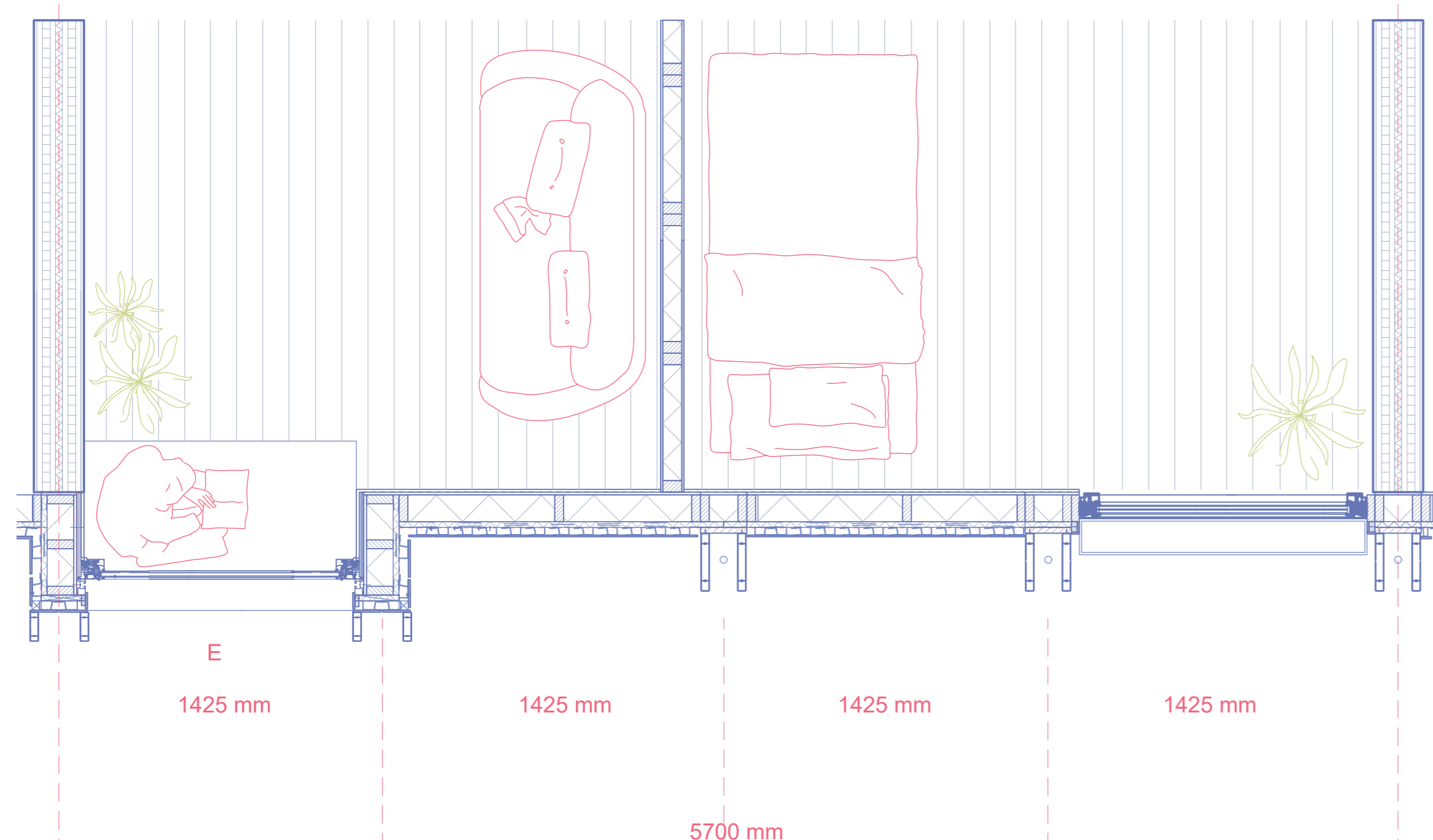


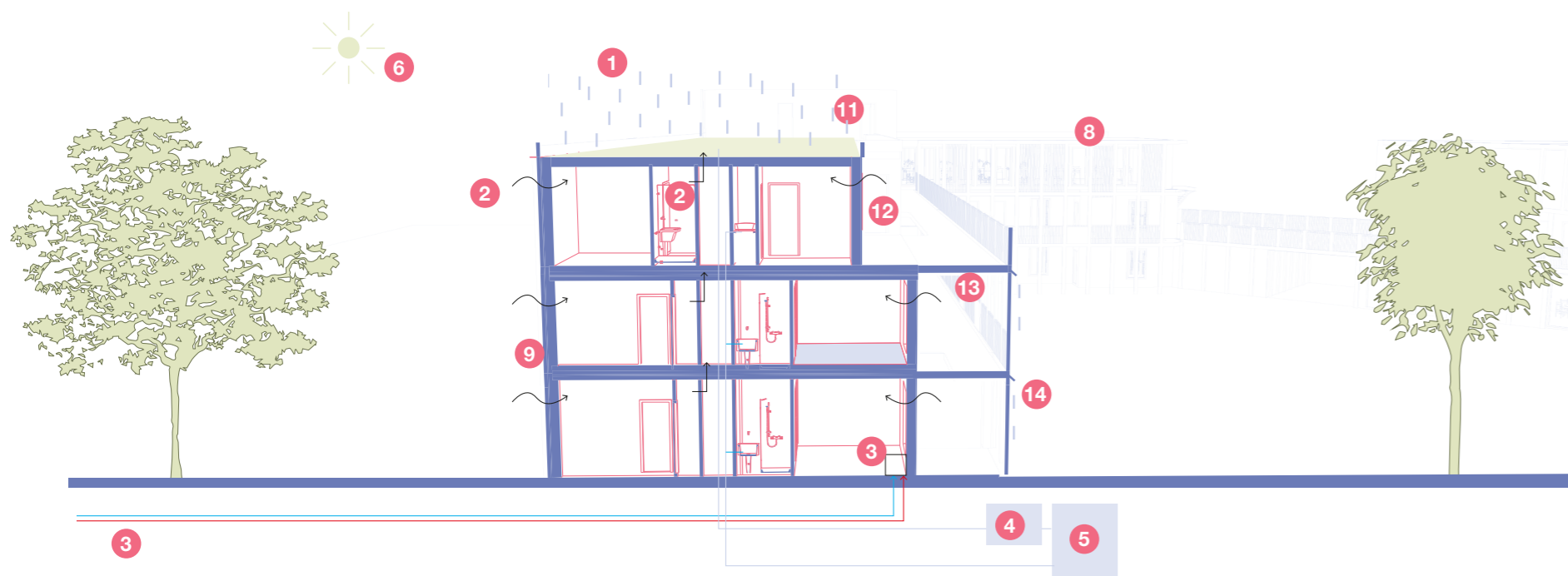
Roof Structure
Plants
Substrate for Vegetation
Water retention layer
Drainage with infiltrated layer
Slip layer AlkorPlus 81014
100 mm Wood Fibre Insulation, Rd = 4,8
Self-Adhesive vapor barrier
Kerto-Ripa box element (250 (25+45 x 200+25))
Gravel
Cavity
80 mm Wood Fibre Insulation, Rd = 4,8
Wooden batten
Ceiling Gypsum fibre board
Plaster

Wall build-up
9 mm Rockpanel A2 (color Monterey Pine)
Aluminium Mounting clips
Vapour-Permeable membrane
Timber Frame Construction
115 mm Wood Fibre Insulation
12 mm OSB sheathing
vapor-tight membrane

Floor build-up
dry screed
5-layer PE-RT Type II pipe with 18 mm diameter,
Therminon
pre-filled studded insulation panel
18 mm thermal insulation board
Kerto-ripa Box element (250 (25+45x200+25))
Gravel
Cavity
80 mm Wood Fibre insulation, Rd=4,8
Wooden Batten
Ceiling Gypsum fibre board
Plaster

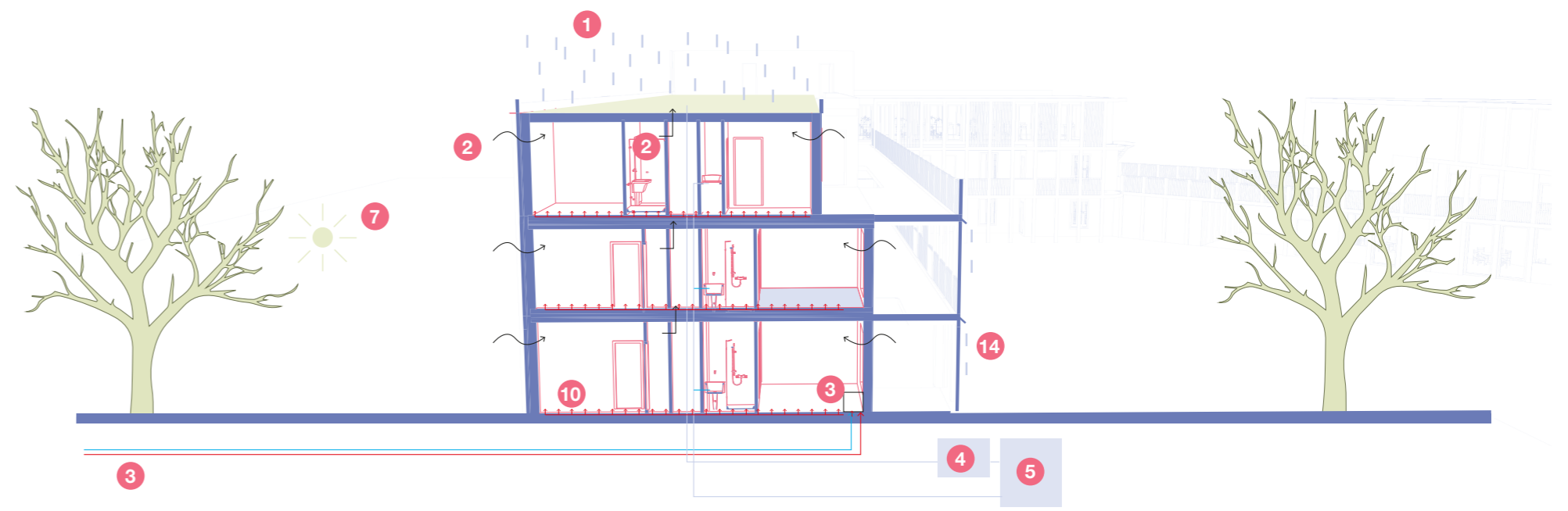
Ground floor build-up
dry screed
Dry screed panel
5-layer PE-RT Type II pipe with 18 mm diameter,
Therminon
pre-filled studded insulation panel
50 mm thermal insulation board
150 mm Hollow-core slab
120 mm Wood fibre insulation





summer climate diagram 1:200

- 1 rain water collection
- 2 natural ventilation inlet and mechanical ventilation outlet
- 3 district heating
- 4 filter
- 5 water tank

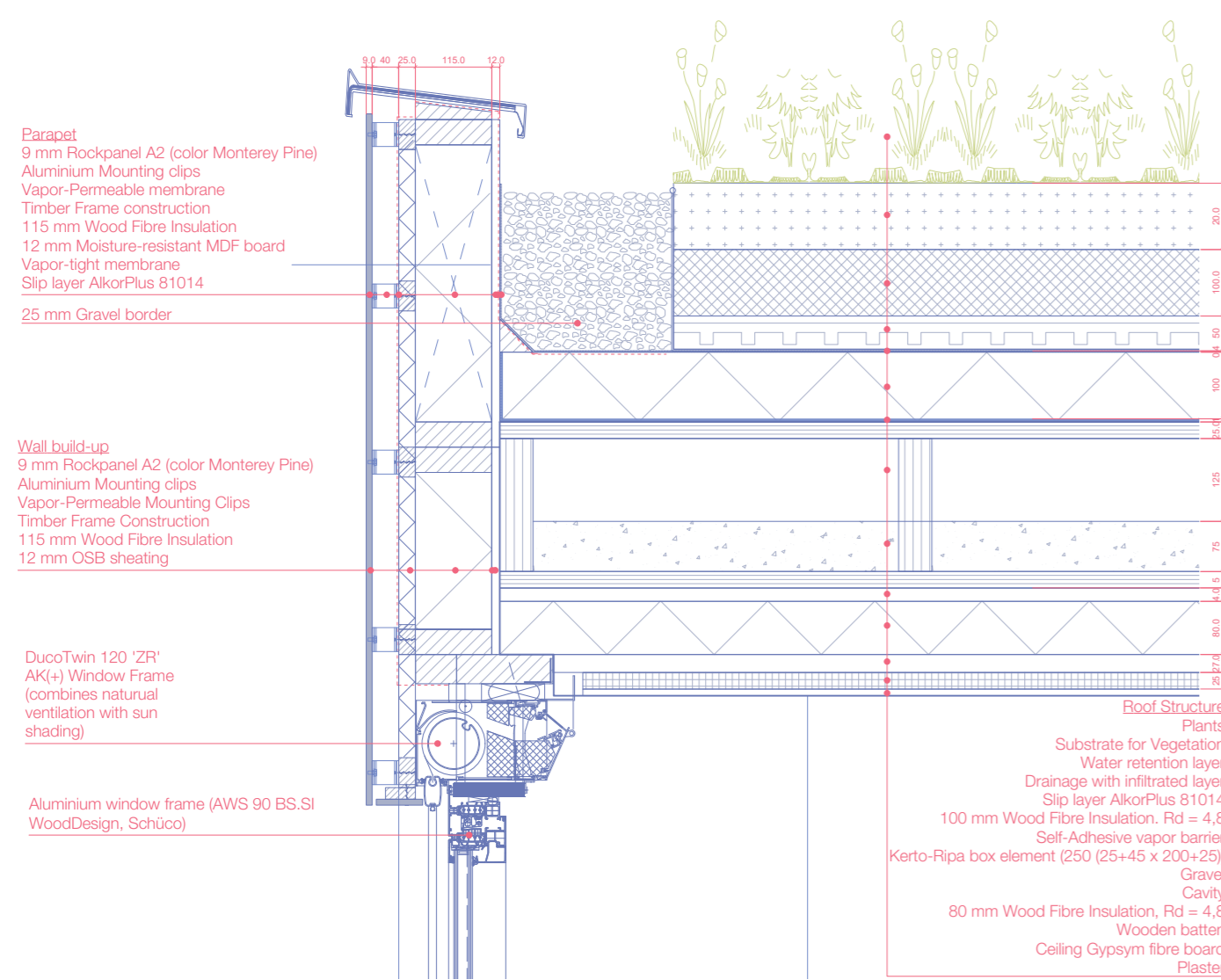


winter climate diagram 1:200

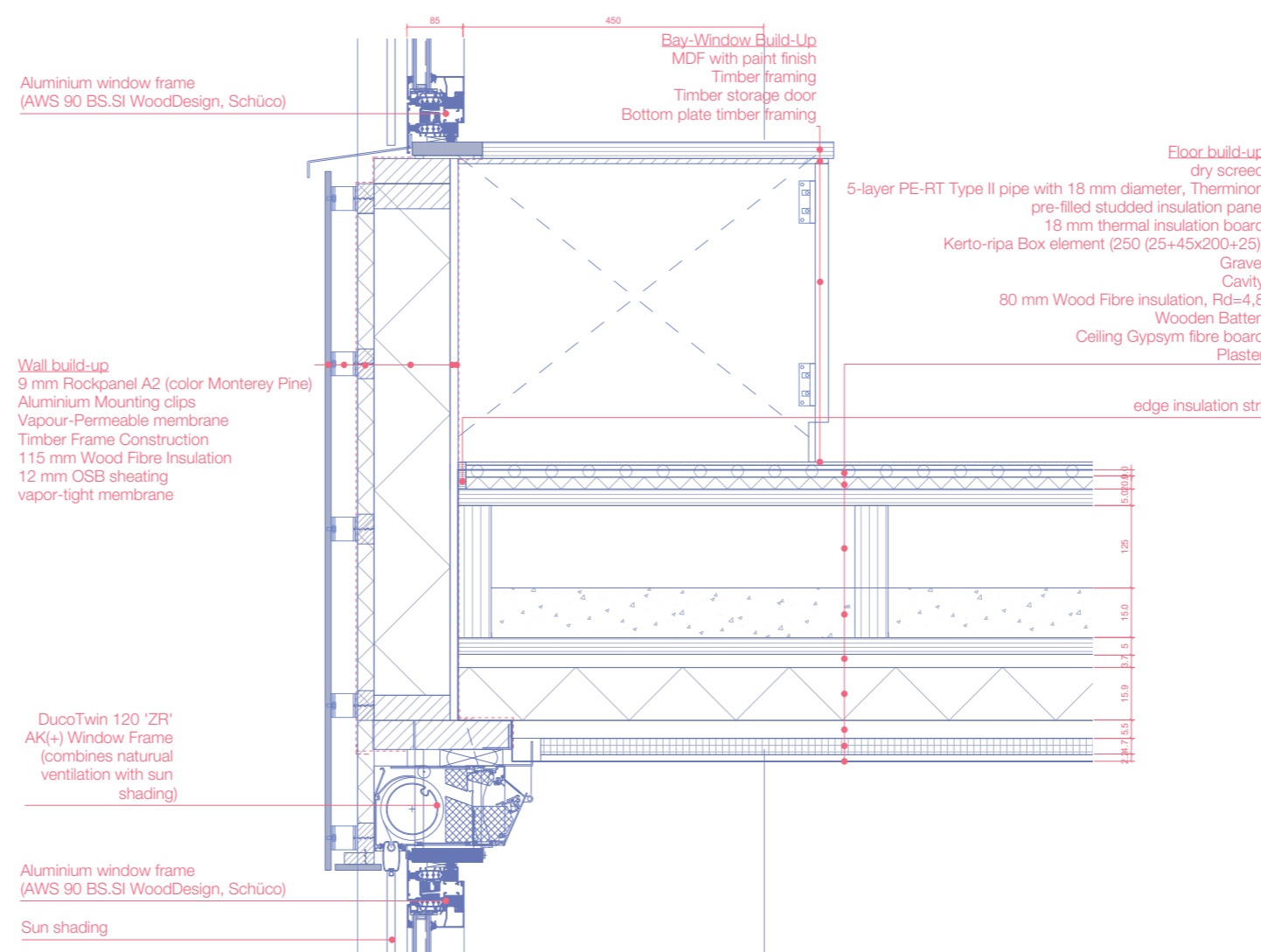
- 6 summer 61,5°
- 7 winter 14,5°
- 8 horizontal sun shades
- 9 vertical sun shades
- 10 underfloor heating

- 11 green roof for cooling
- 12 solar shading in front of the window
- 13 the gallery functions as solar shading
- 14 rainwater from the access gallery is directed towards the garden, where it infiltrates into the grass

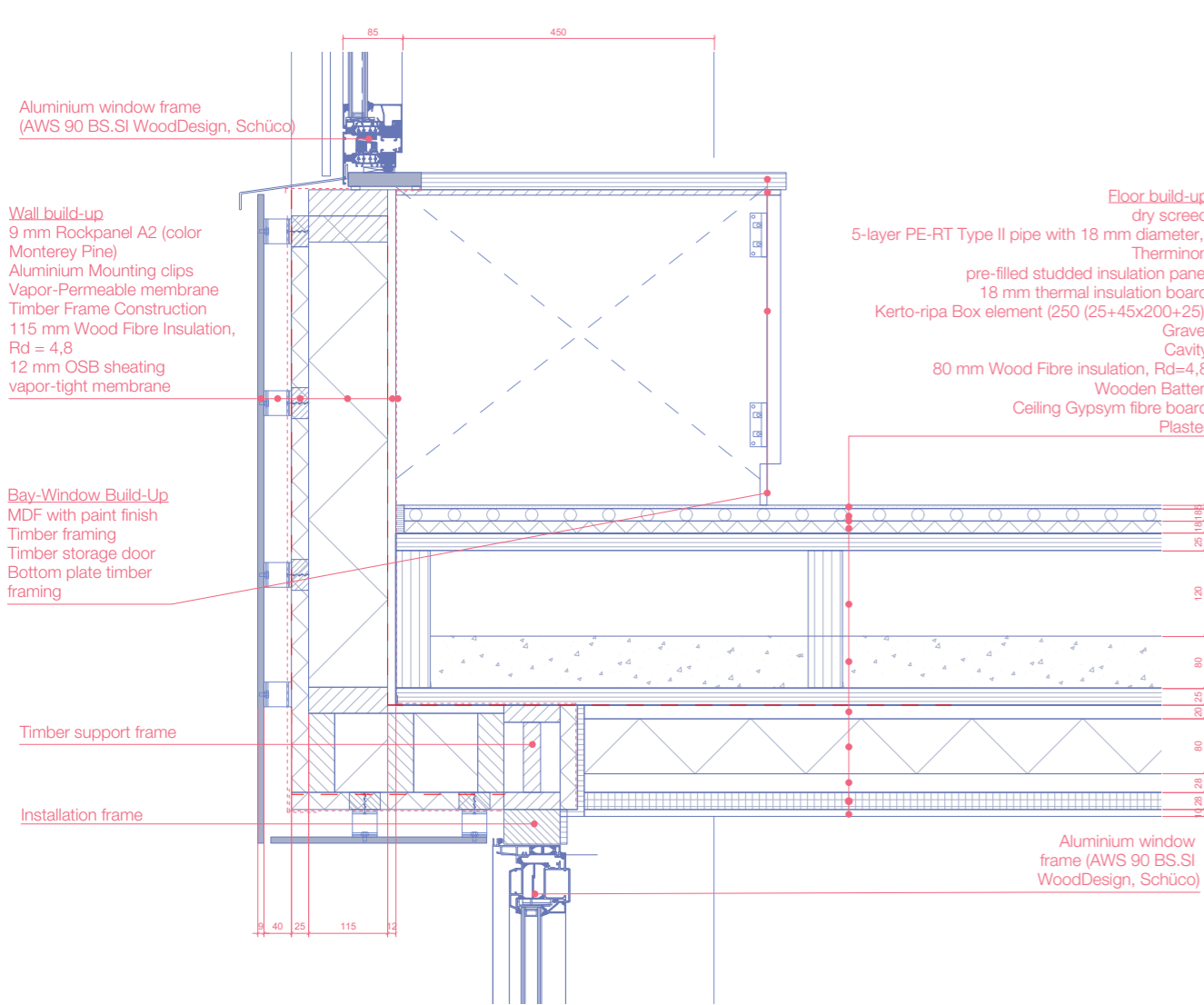
DETAILS



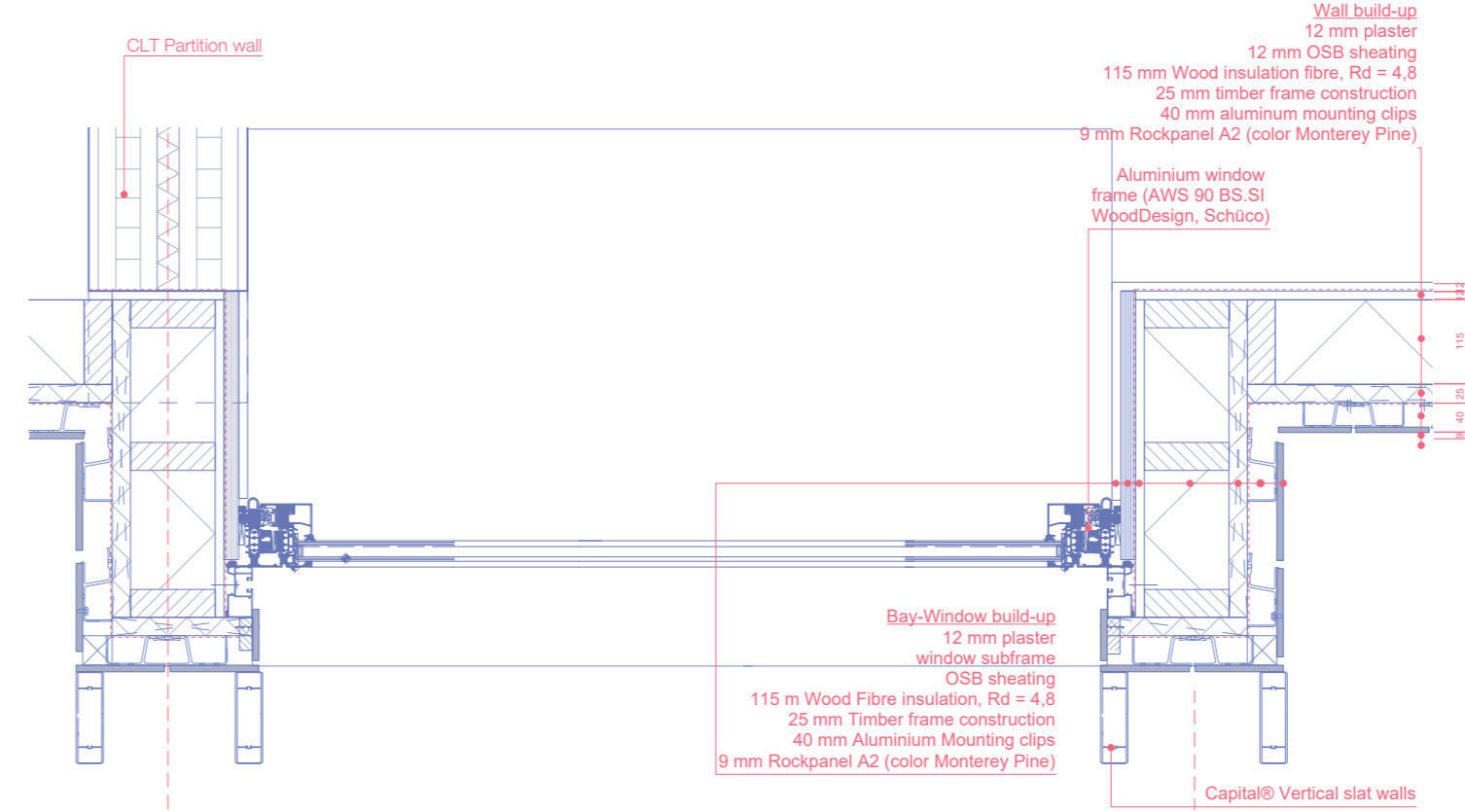
A- green roof 1:10



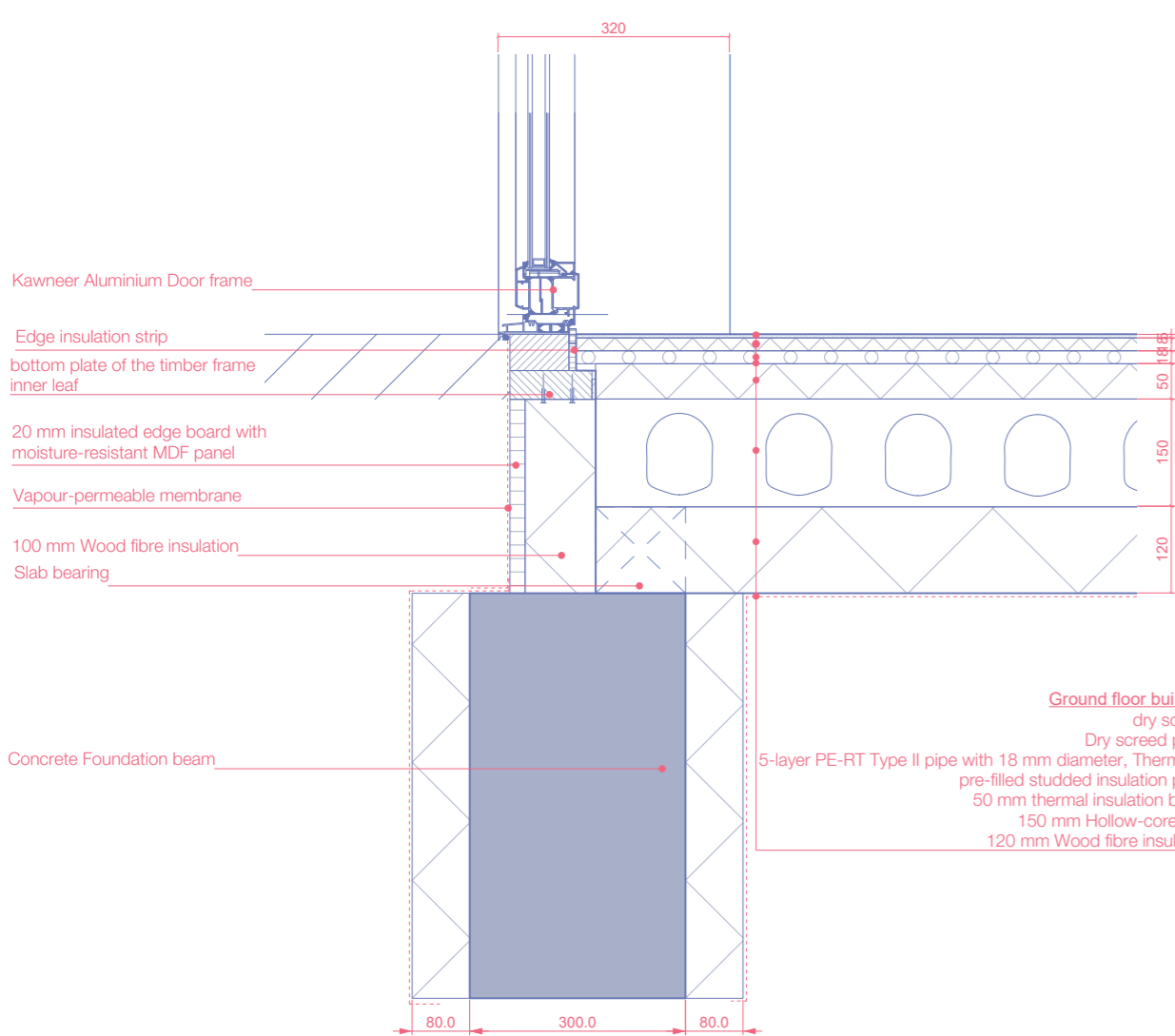
B - top of bay window 1:10



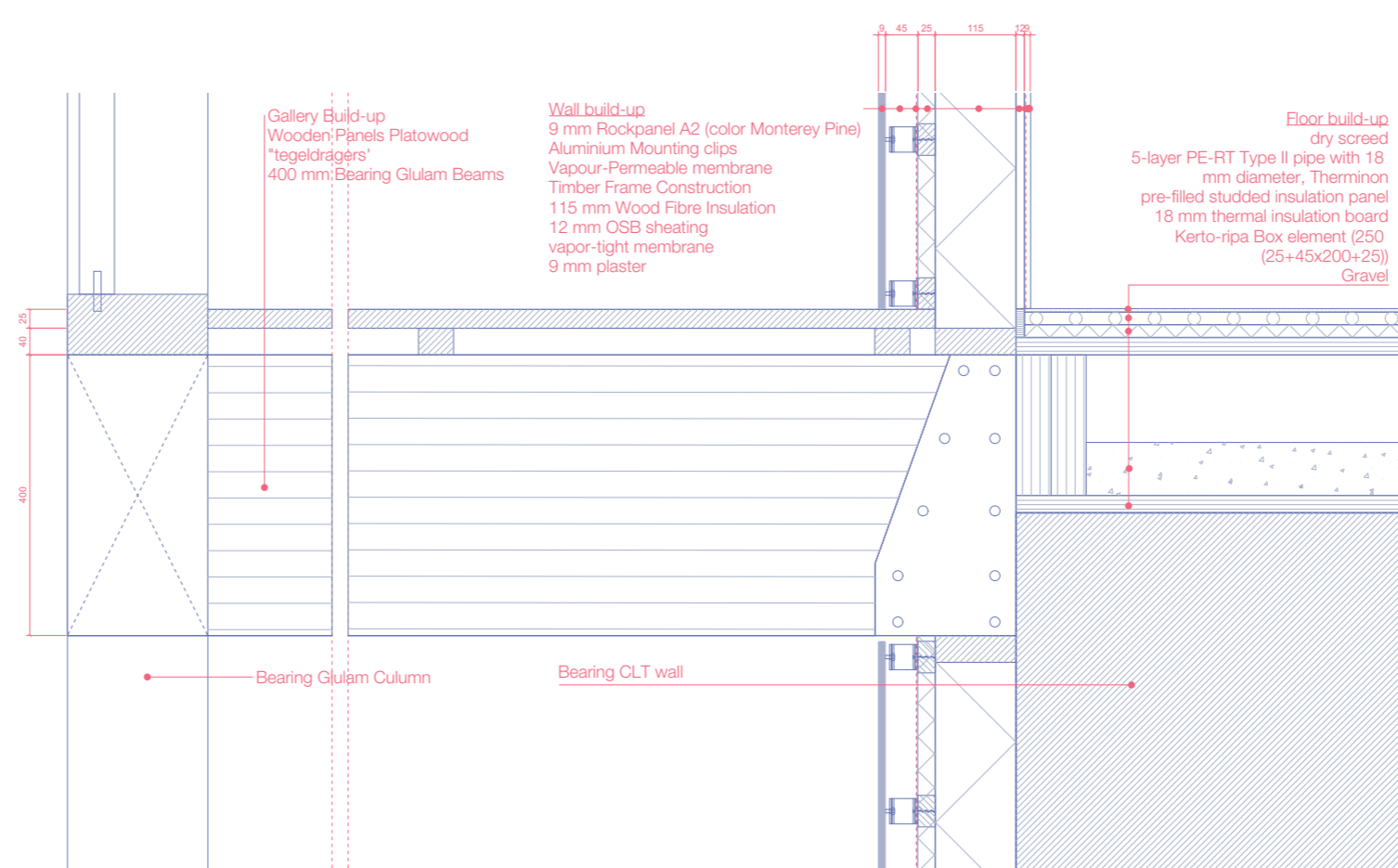
C - bottom of bay window 1:10



E - horizontal bay window 1:10



D - foundation 1:10

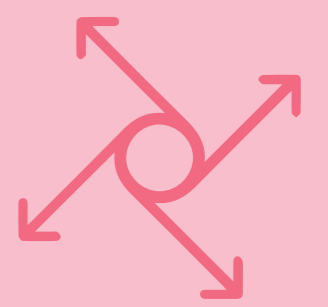


gallery 1:10

SUSTAINABILITY

Economic

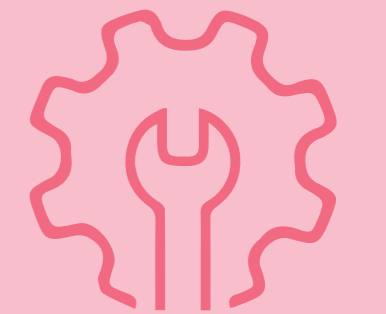
Flexible Lay-Out



Long Lifespan



Low-maintenance materials

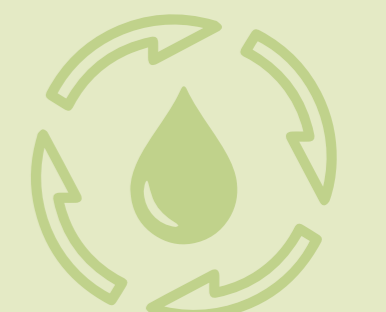


Ecologic

Biobased Material



Water collection



Natural Ventilation



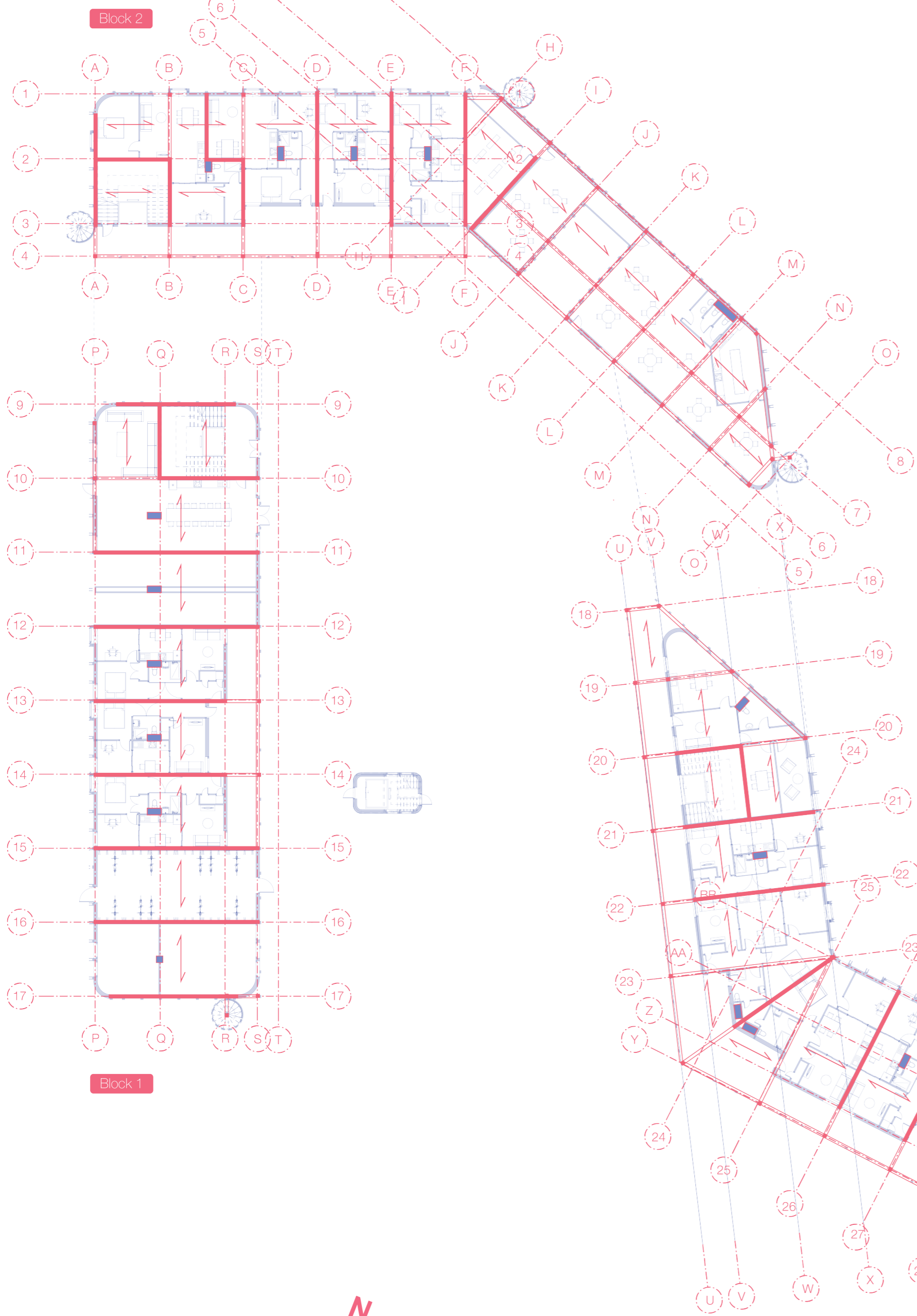
Social

Encourage Social Interaction

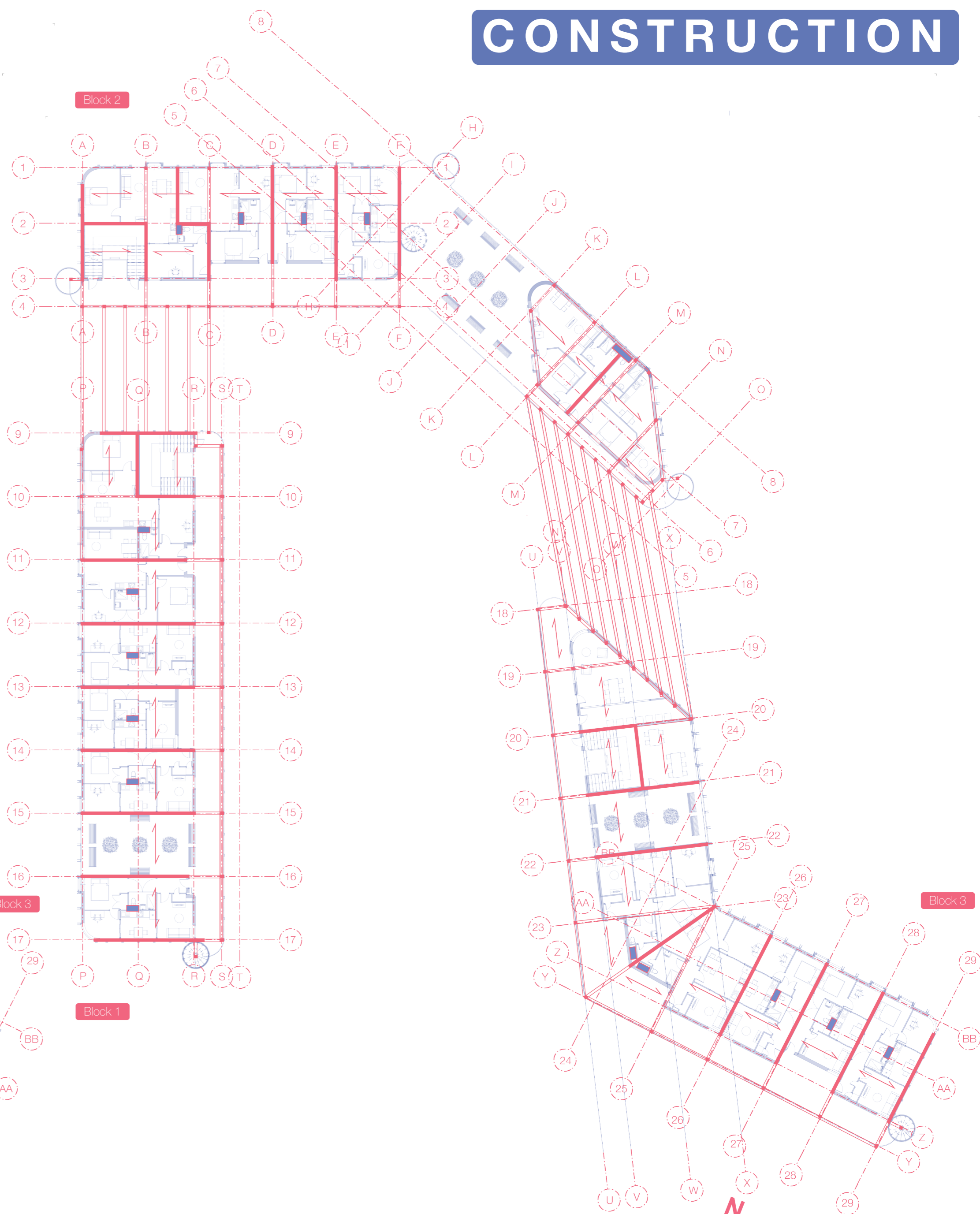


Stimulate Shared Rooms

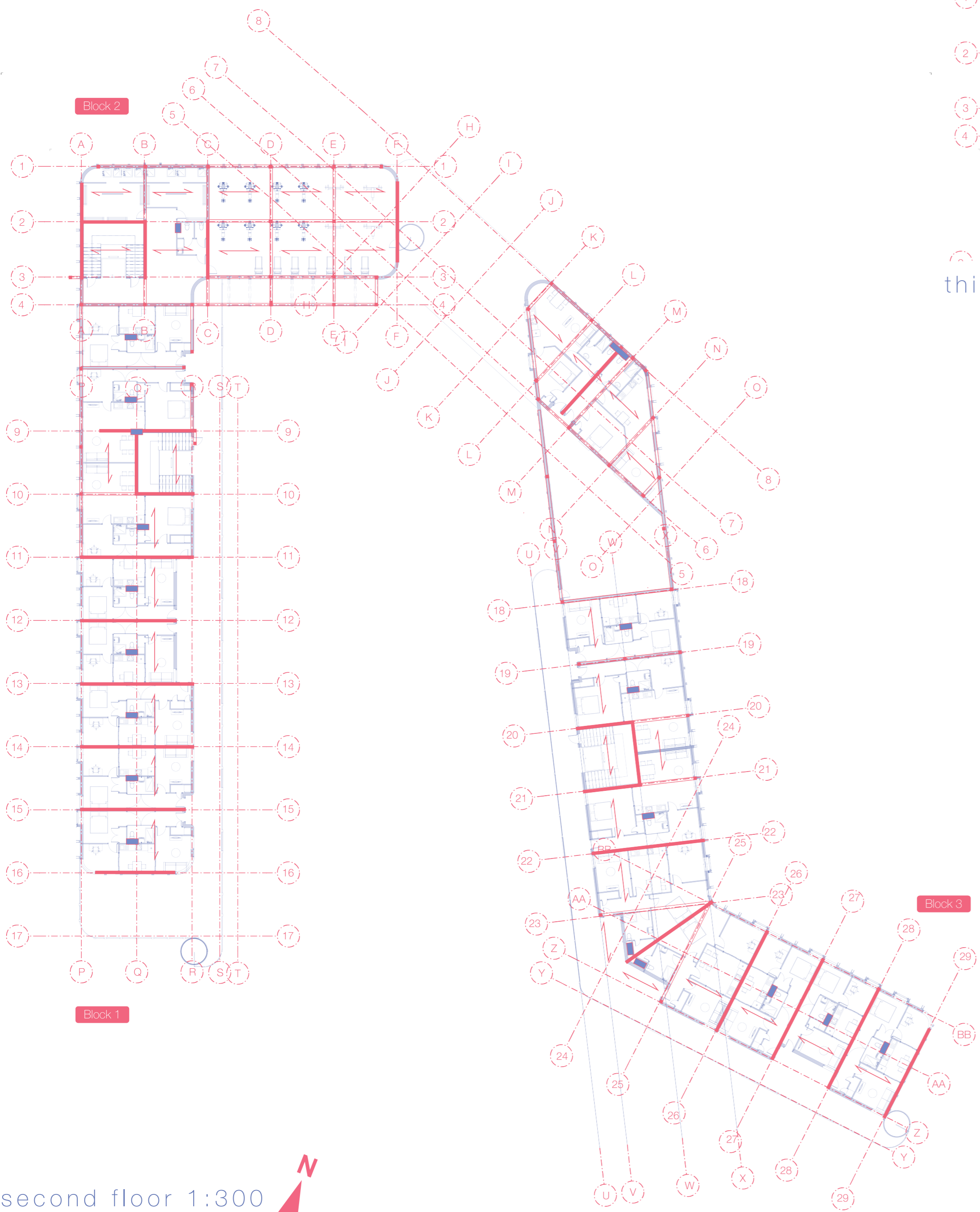




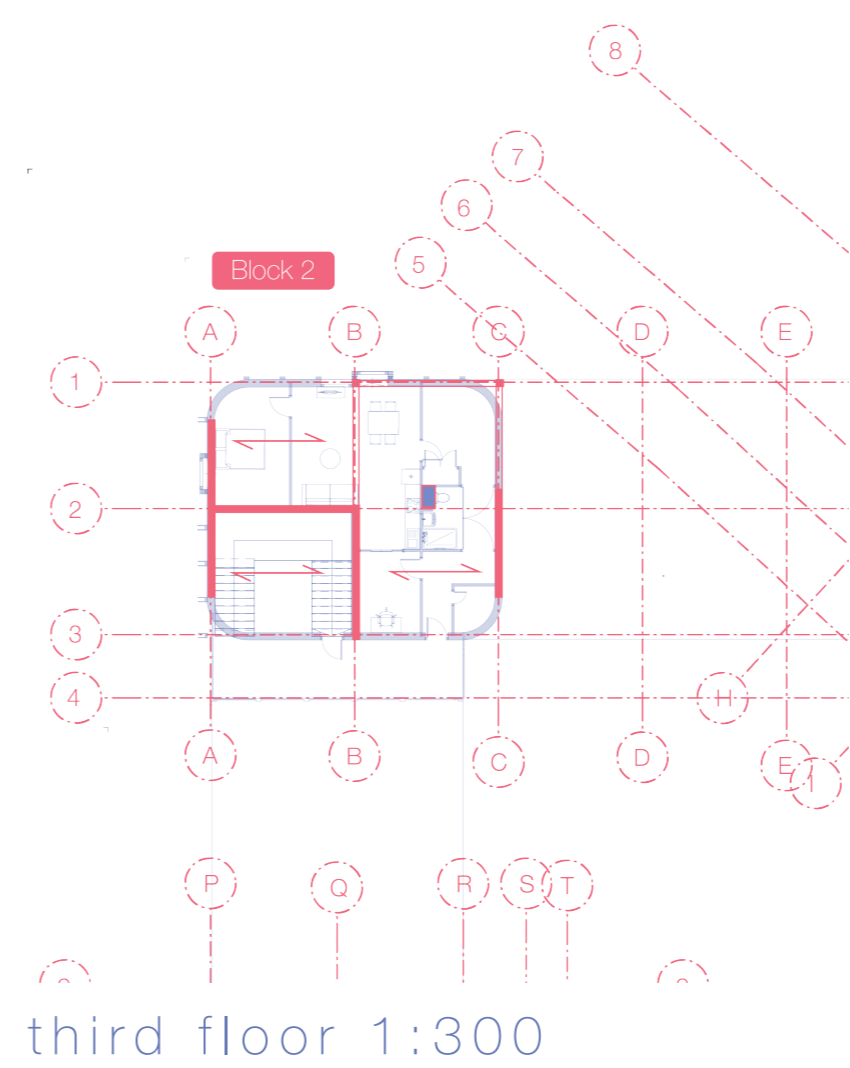
ground floor 1:300



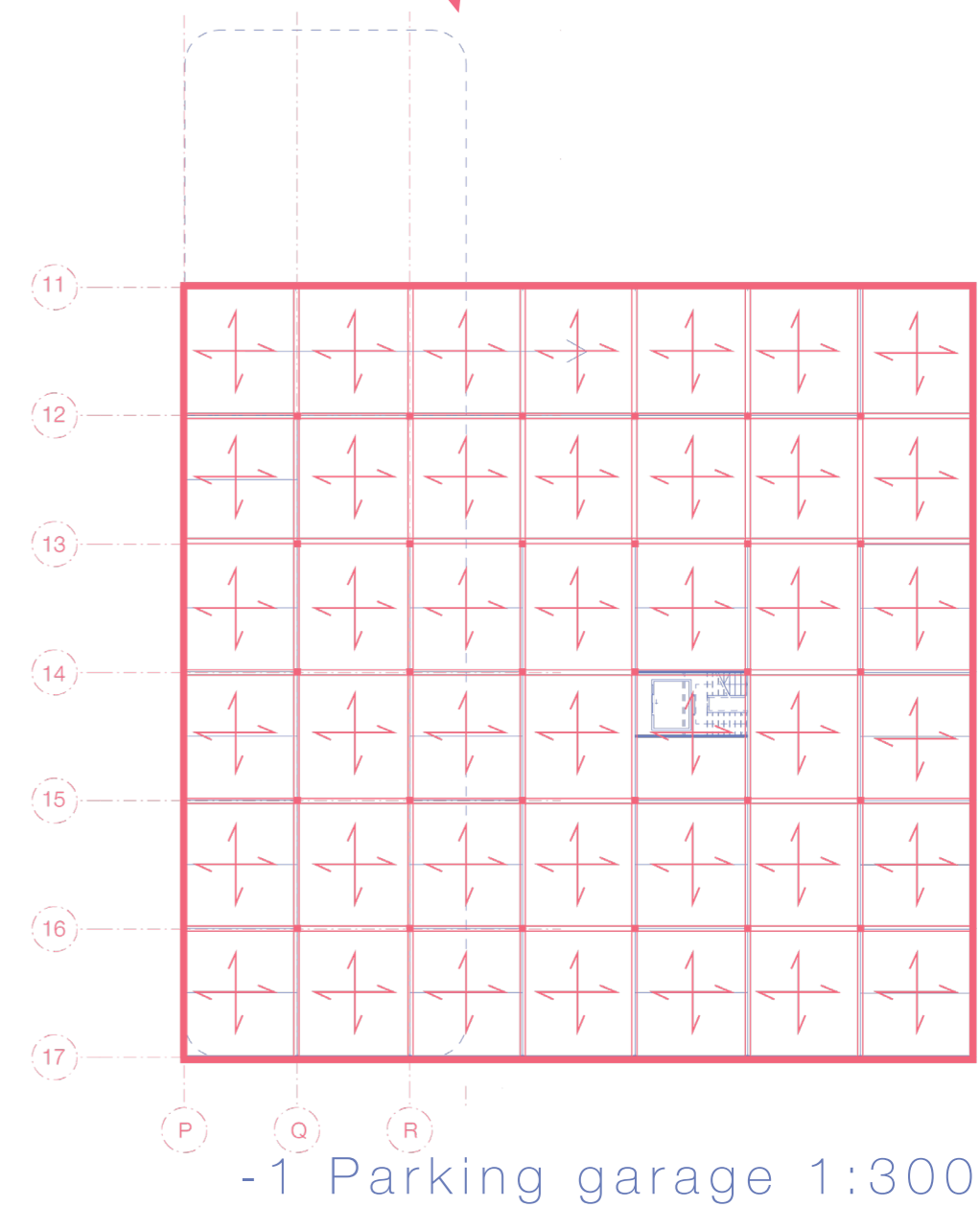
first floor 1:300



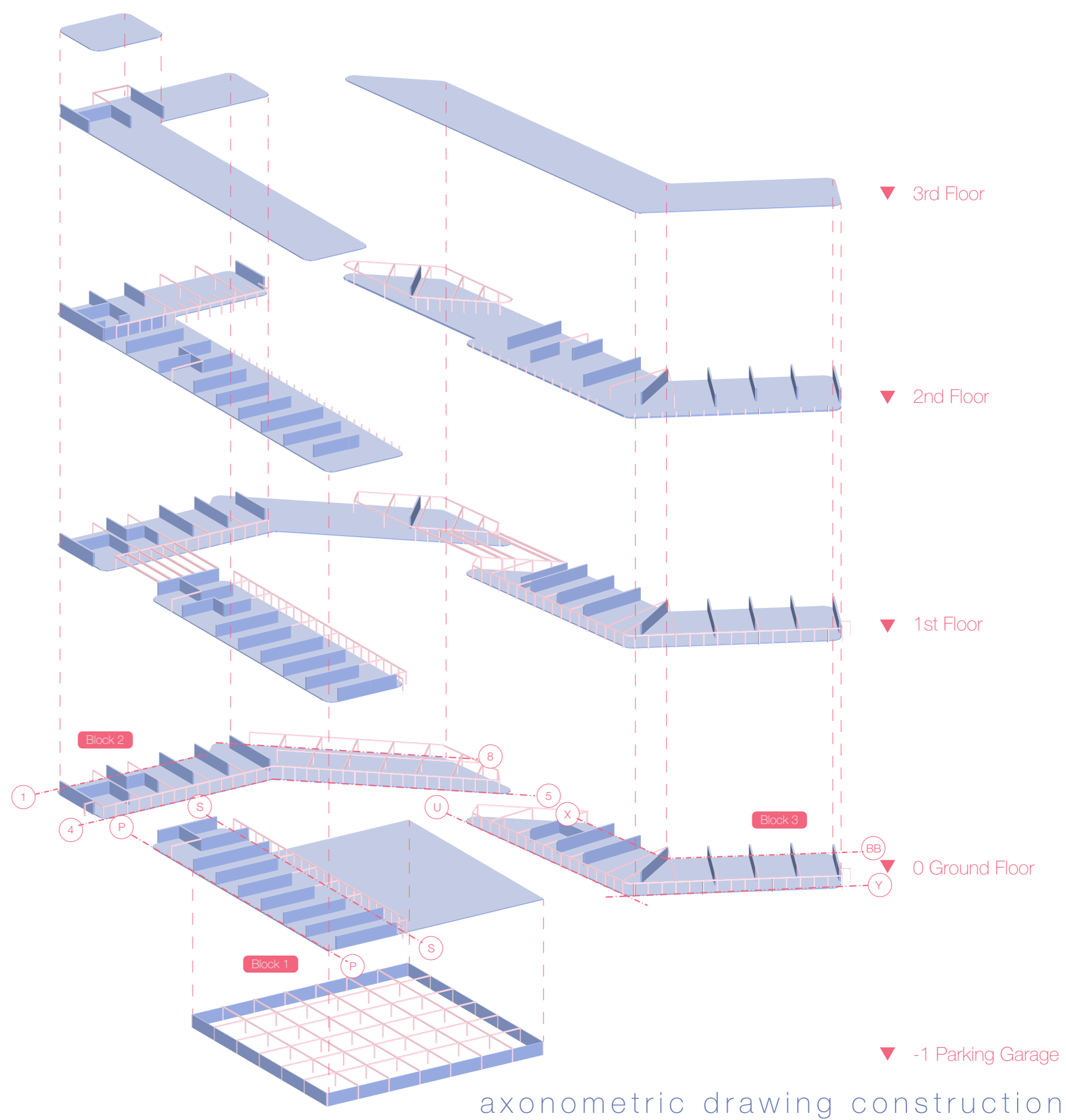
second floor 1:300



third floor 1:300



-1 Parking garage 1:300



axonometric drawing construction