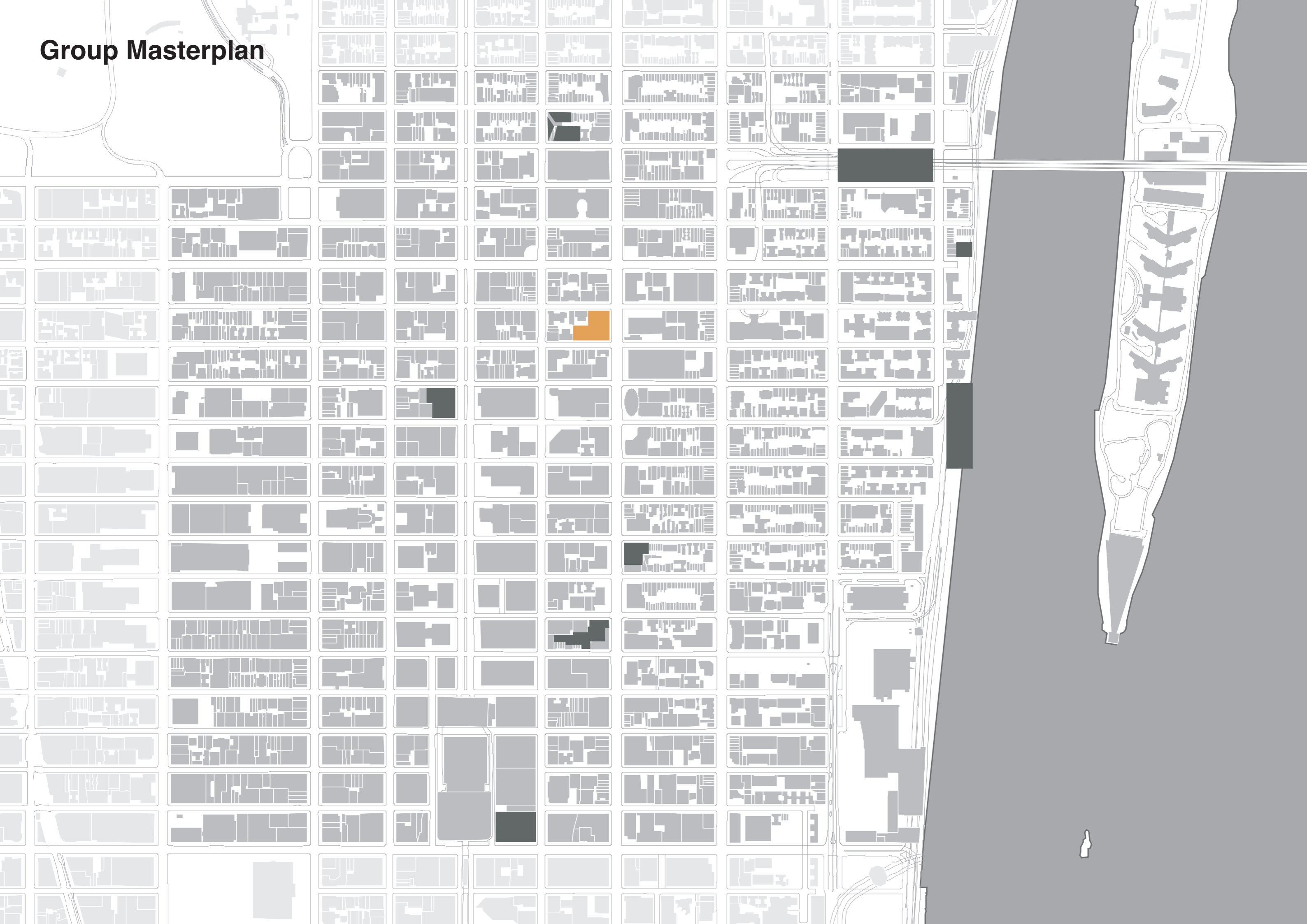
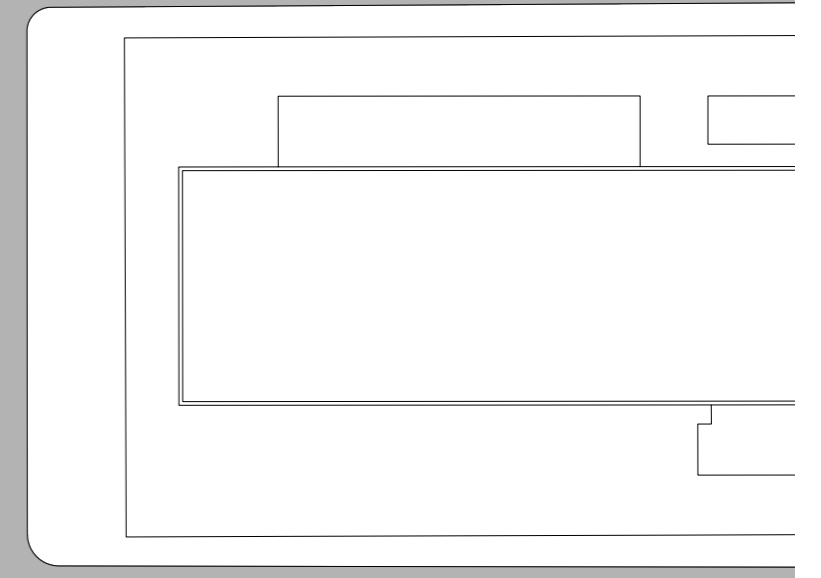
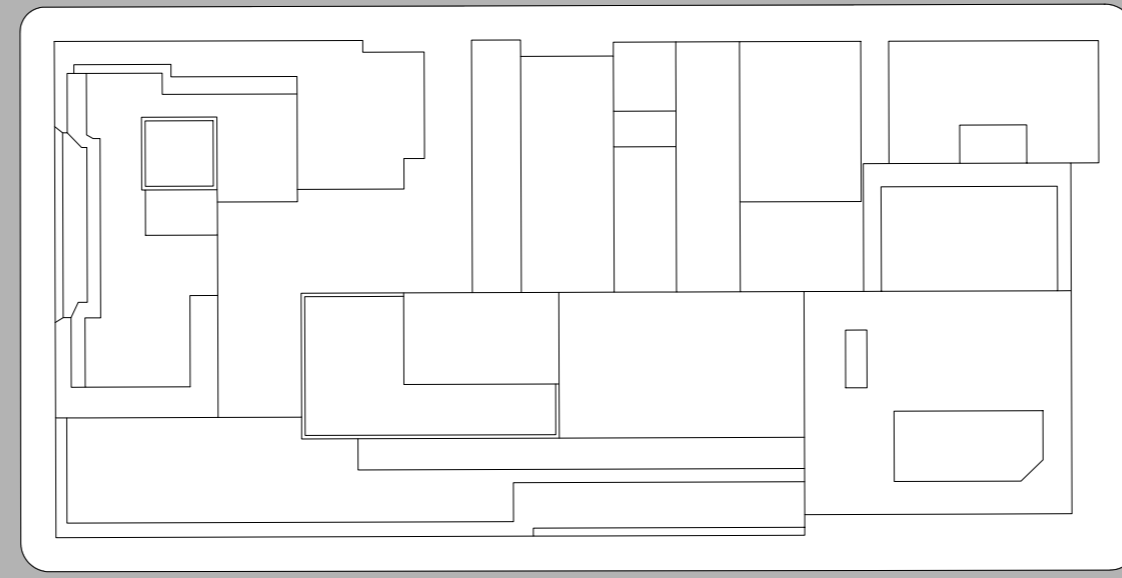
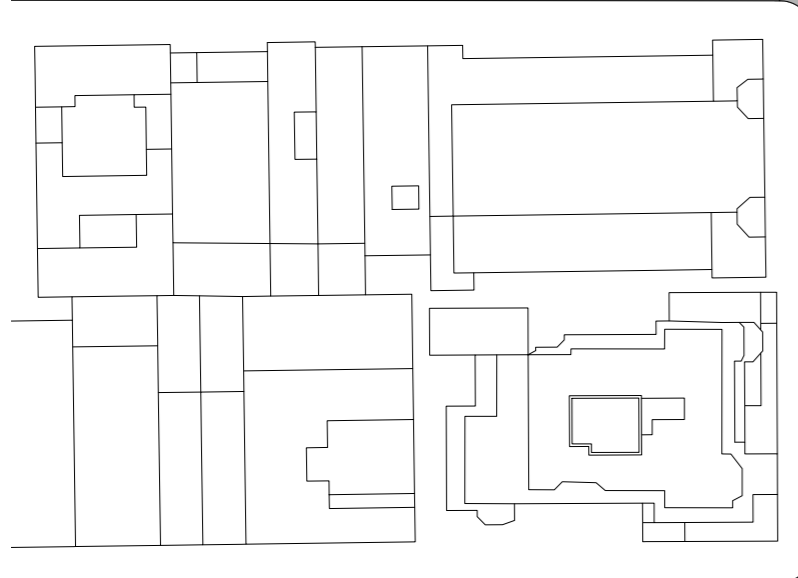
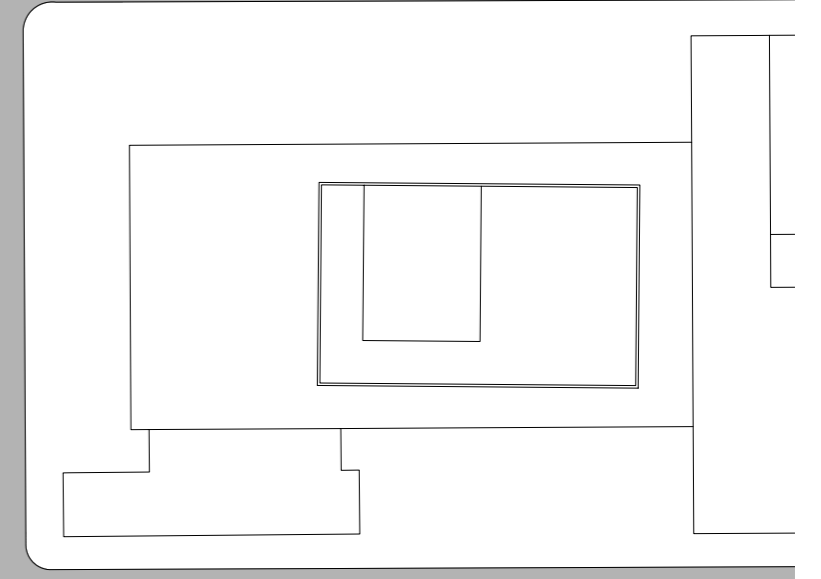
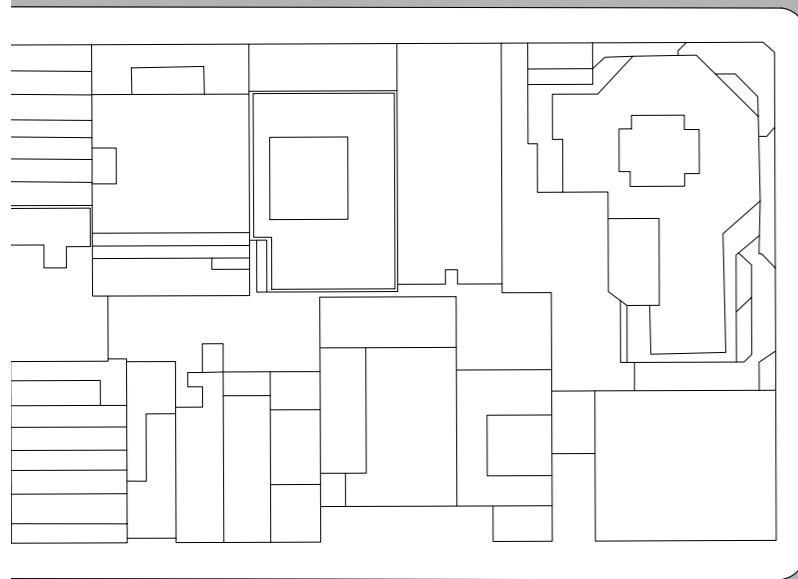
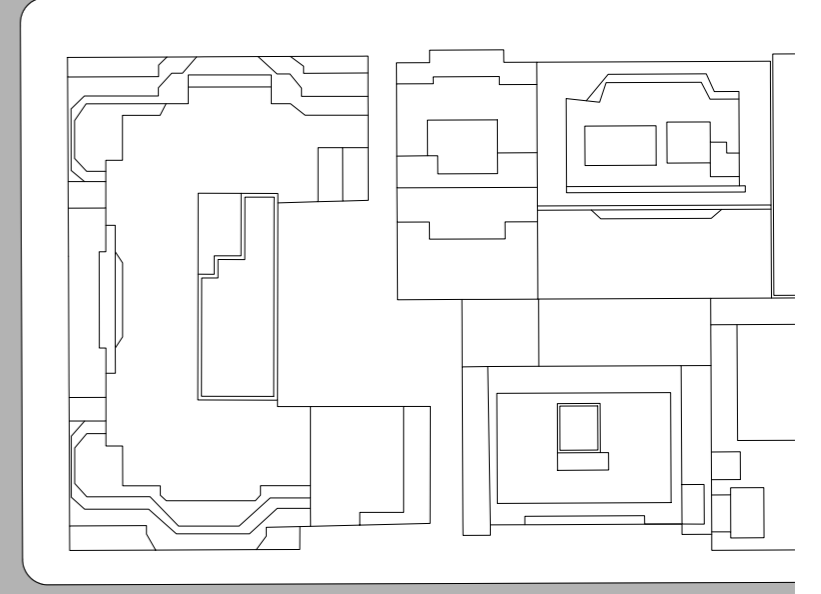
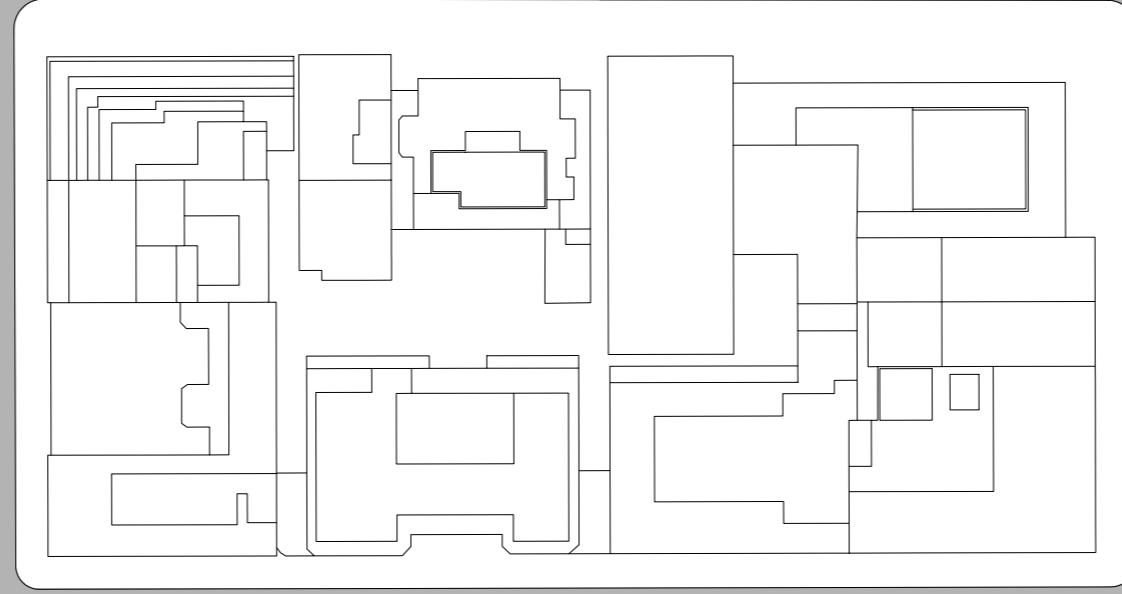


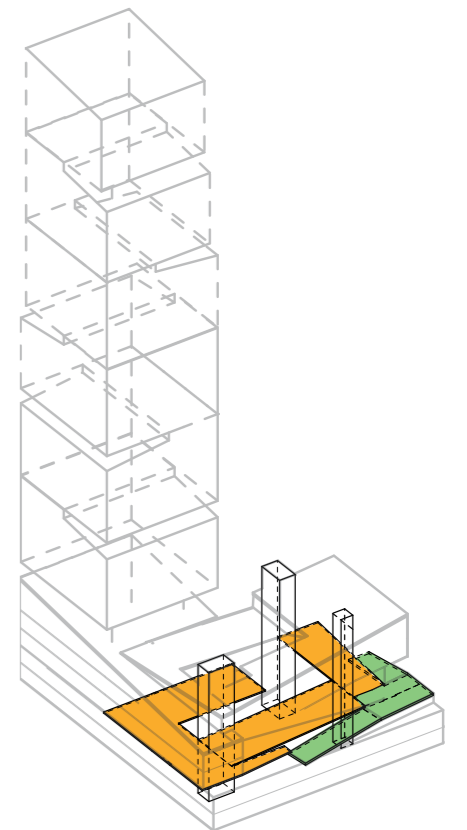
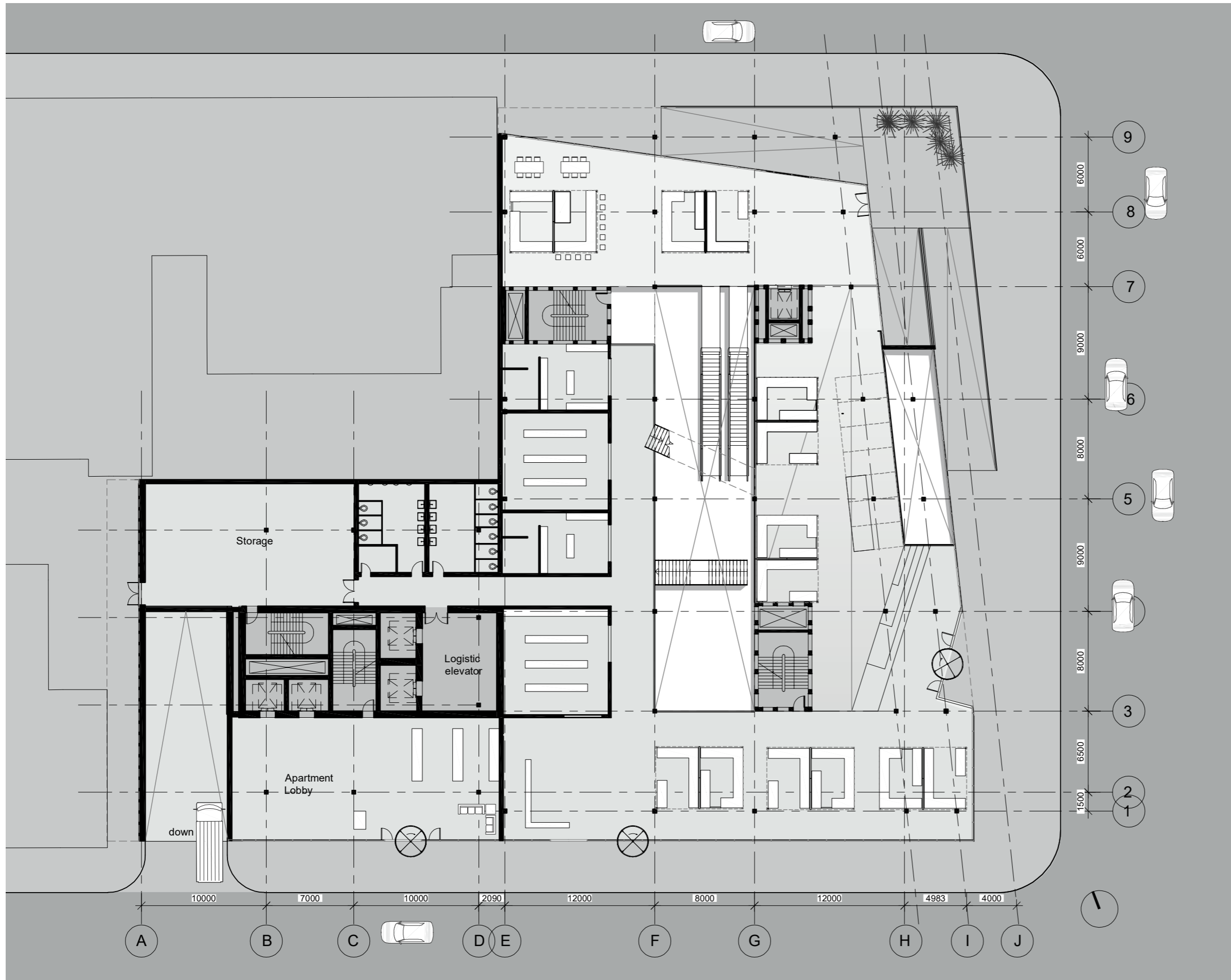
Group Masterplan



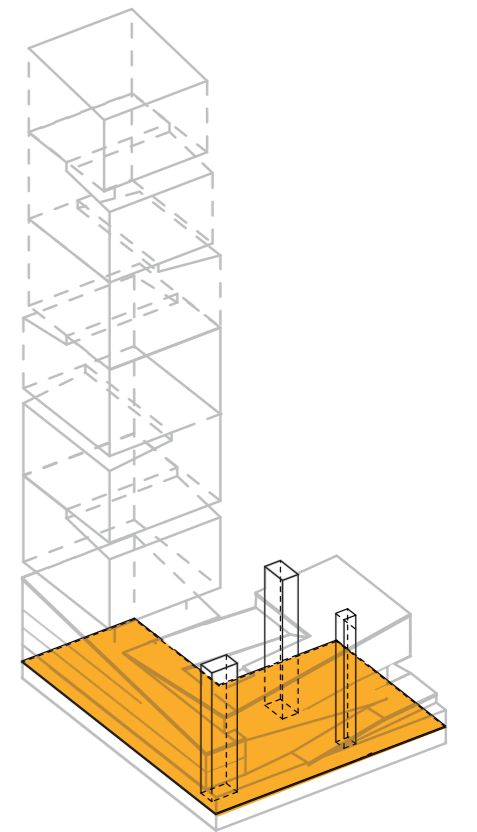
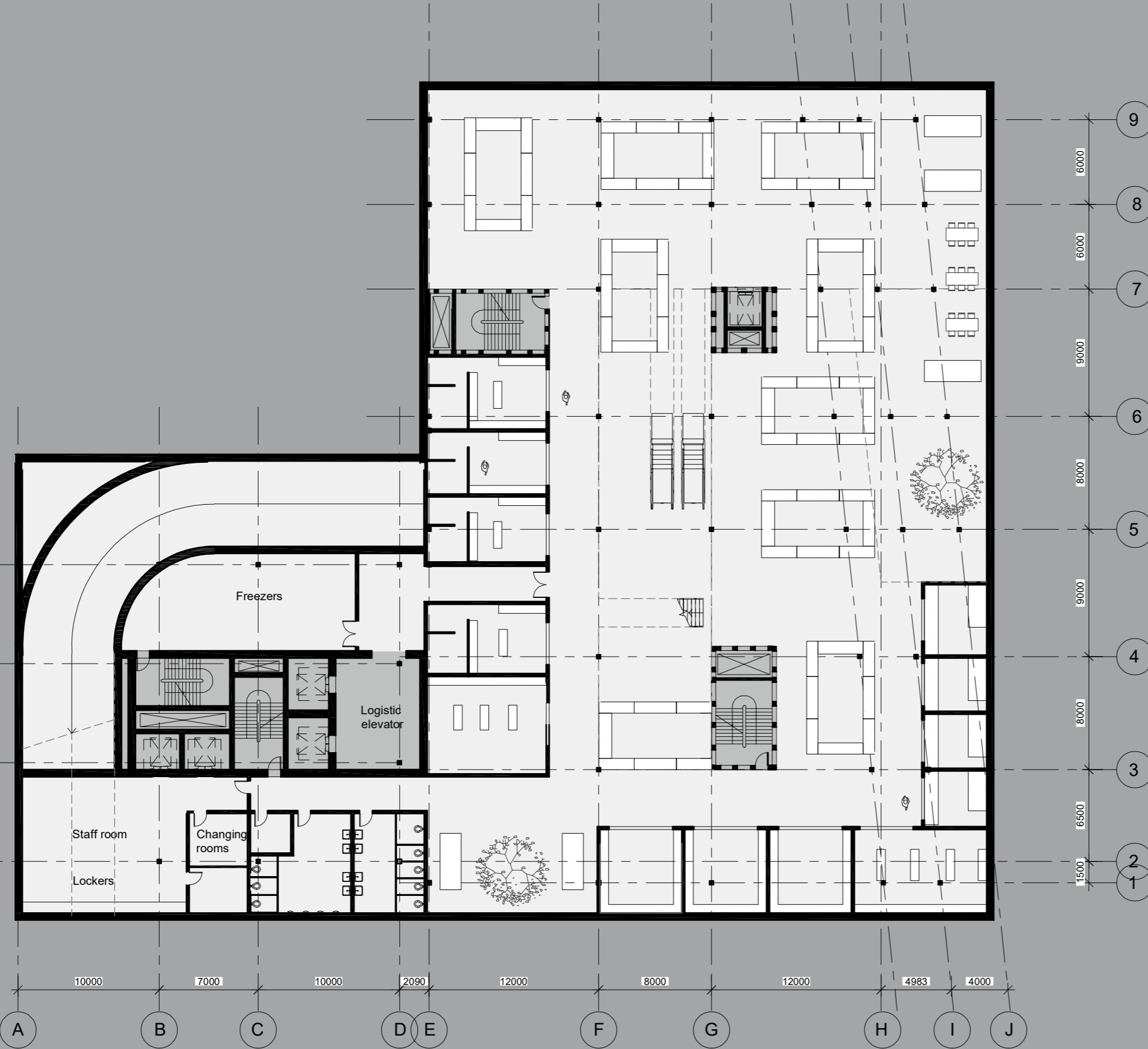
Urban implementation



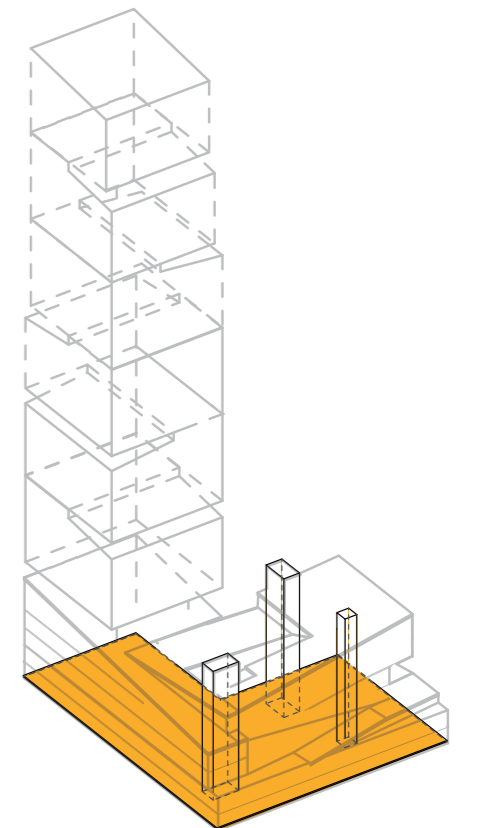
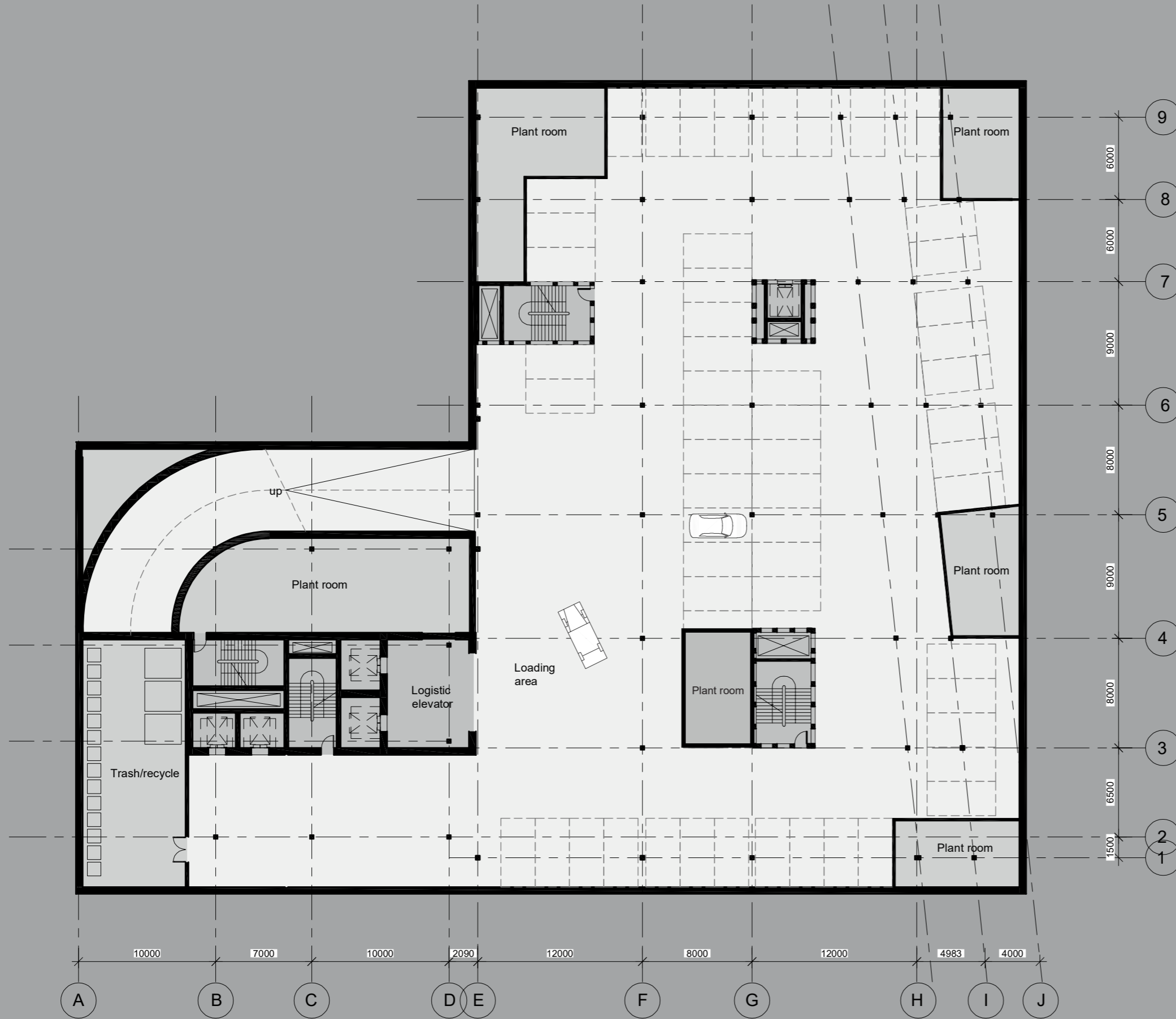
Ground Floor



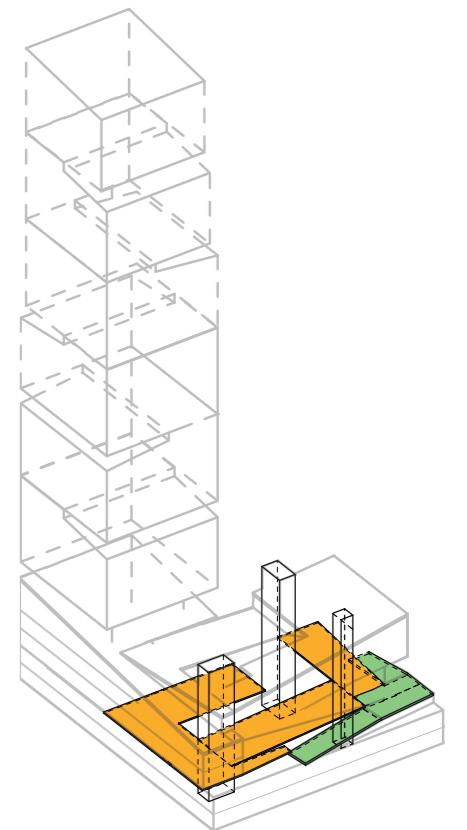
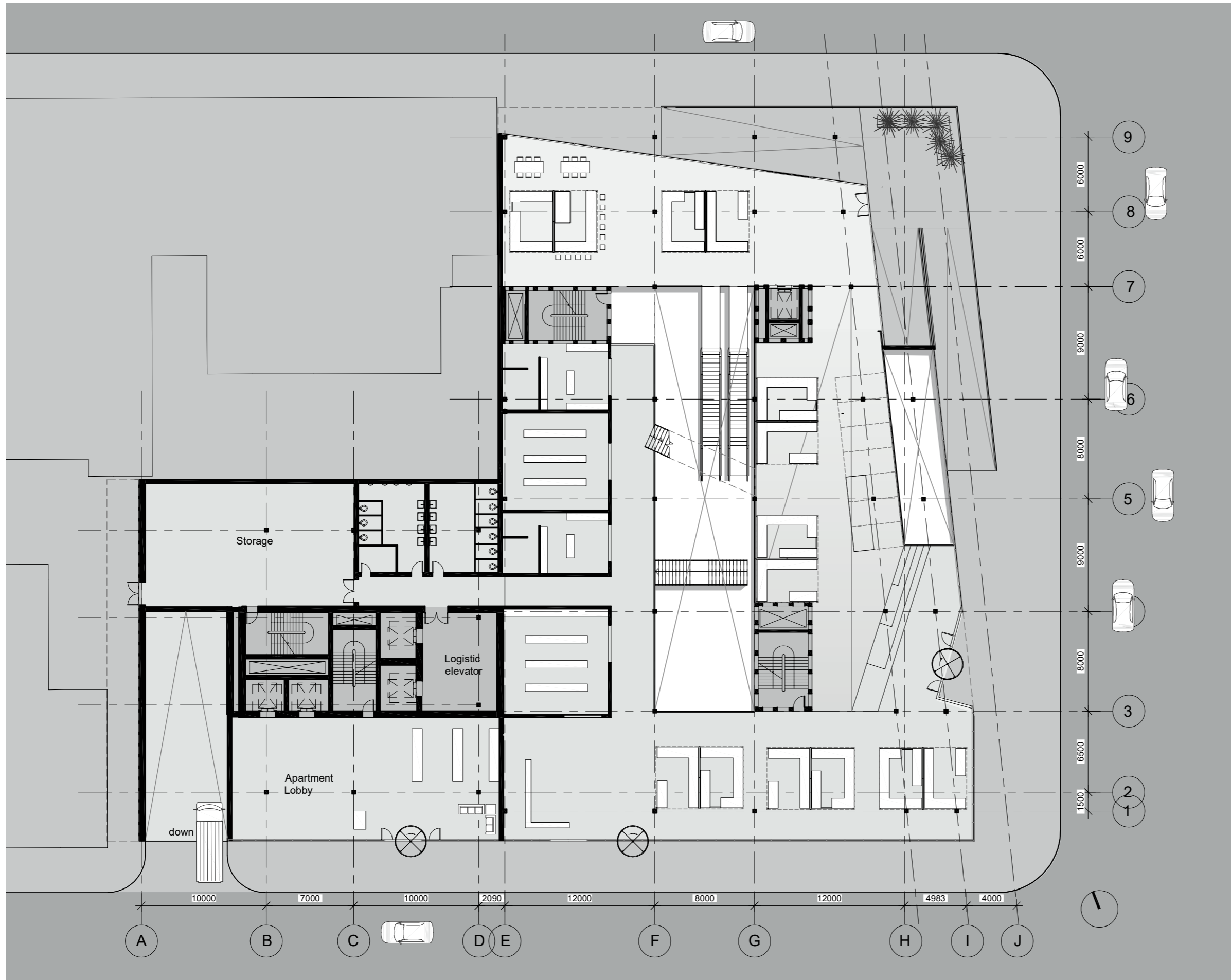
B1



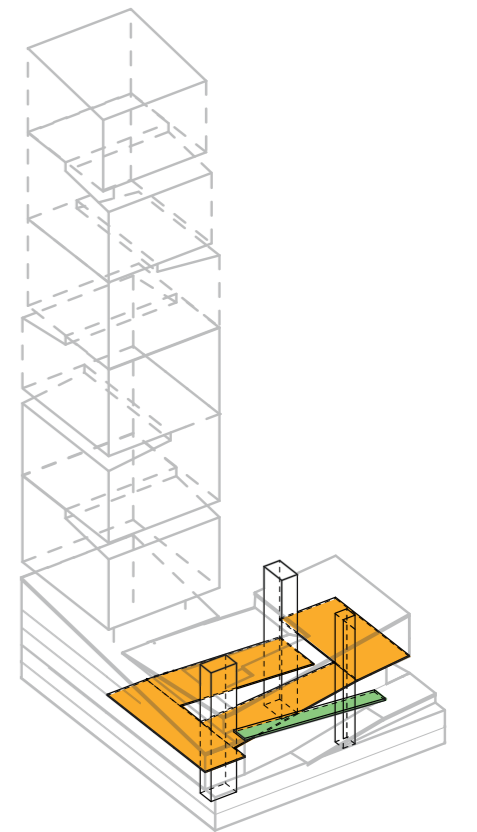
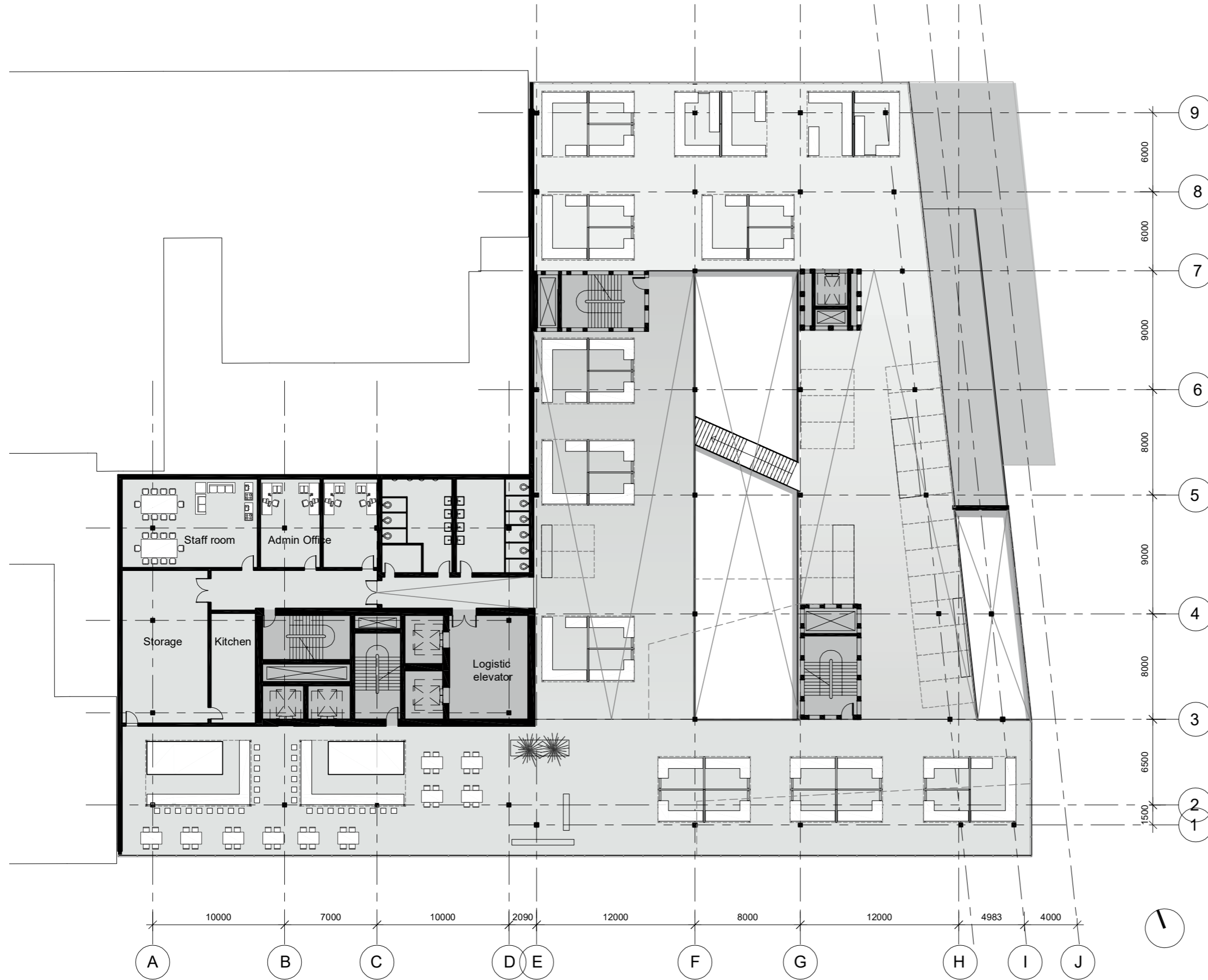




Ground Floor

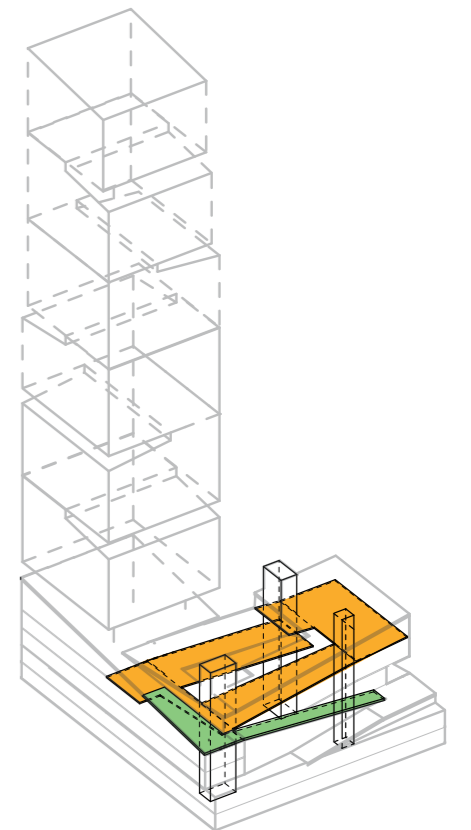
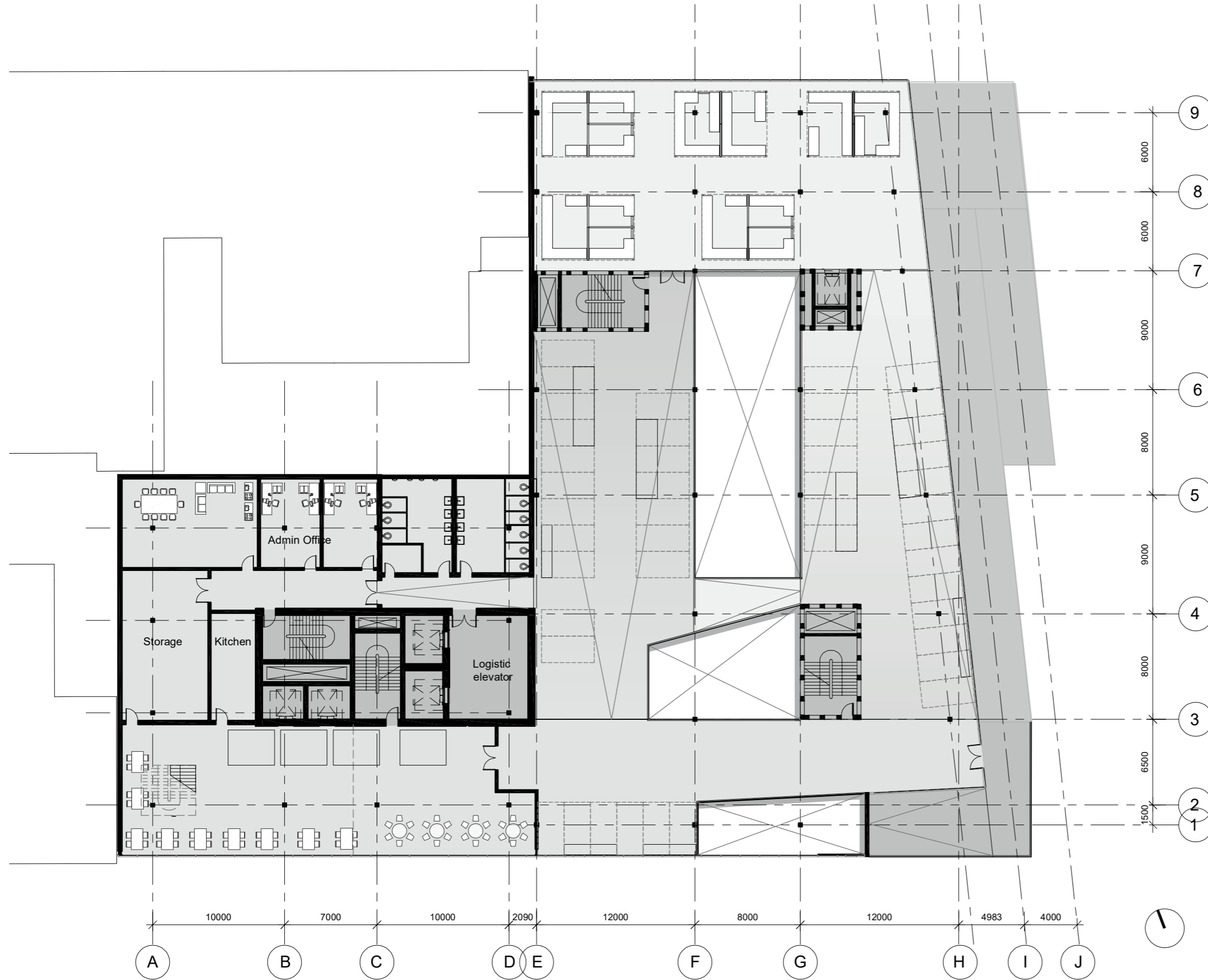


1st Floor



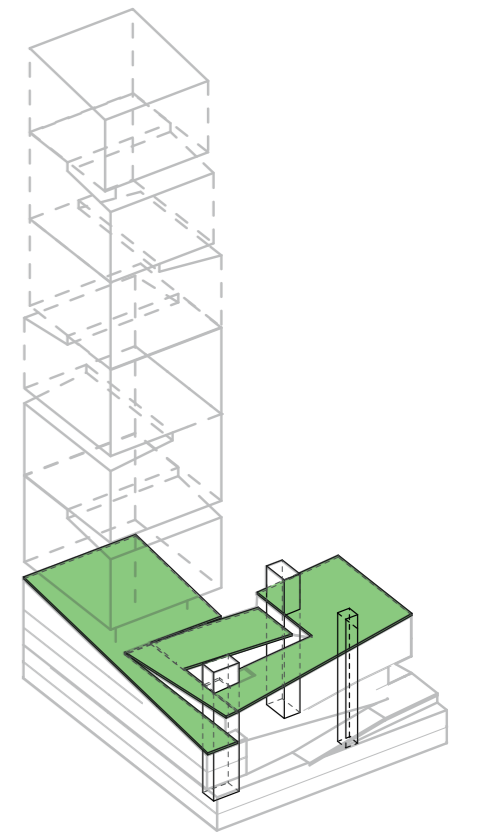
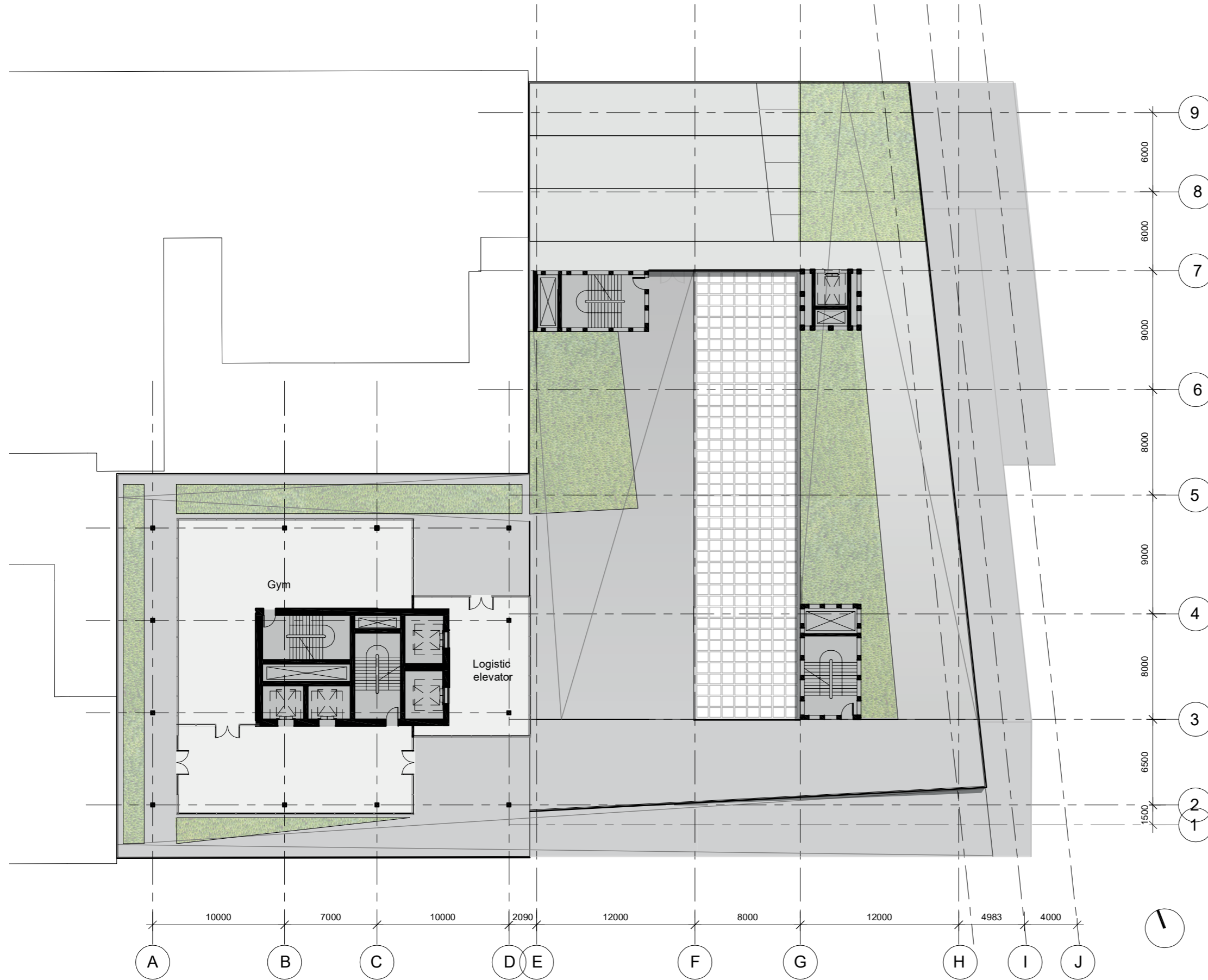


2nd Floor



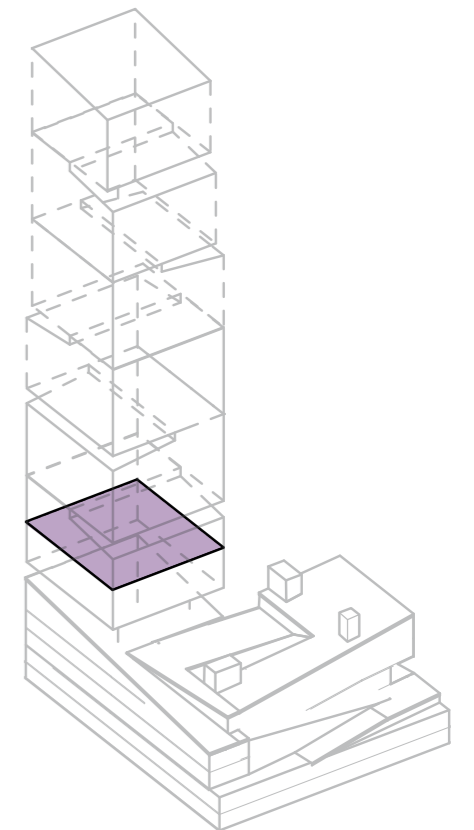


Podium Rooftop

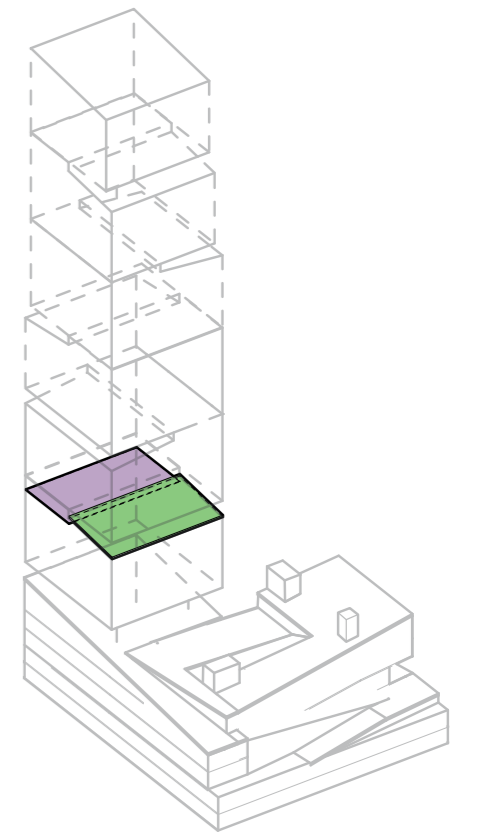




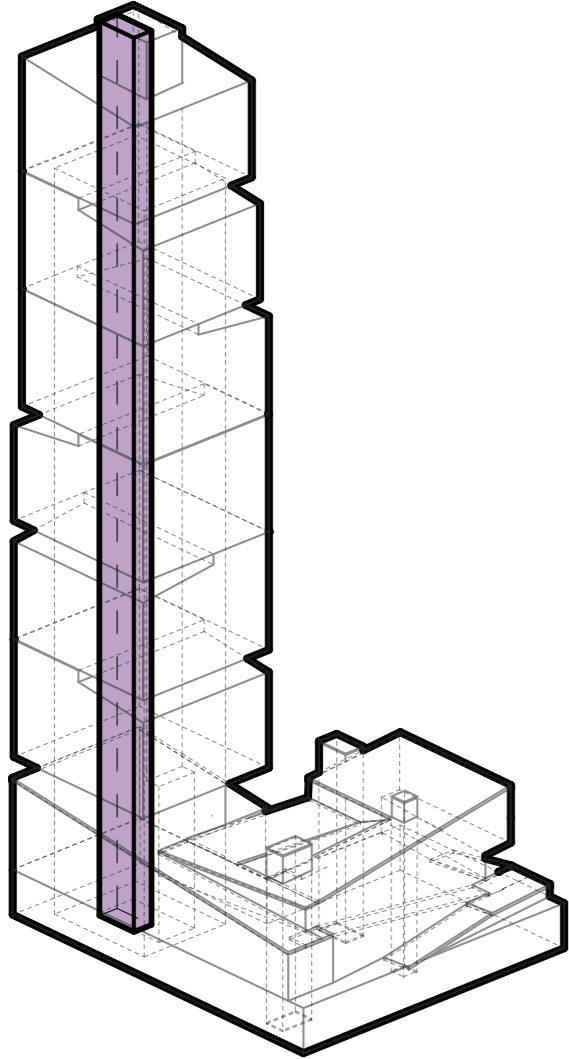
Typical tower floor plan



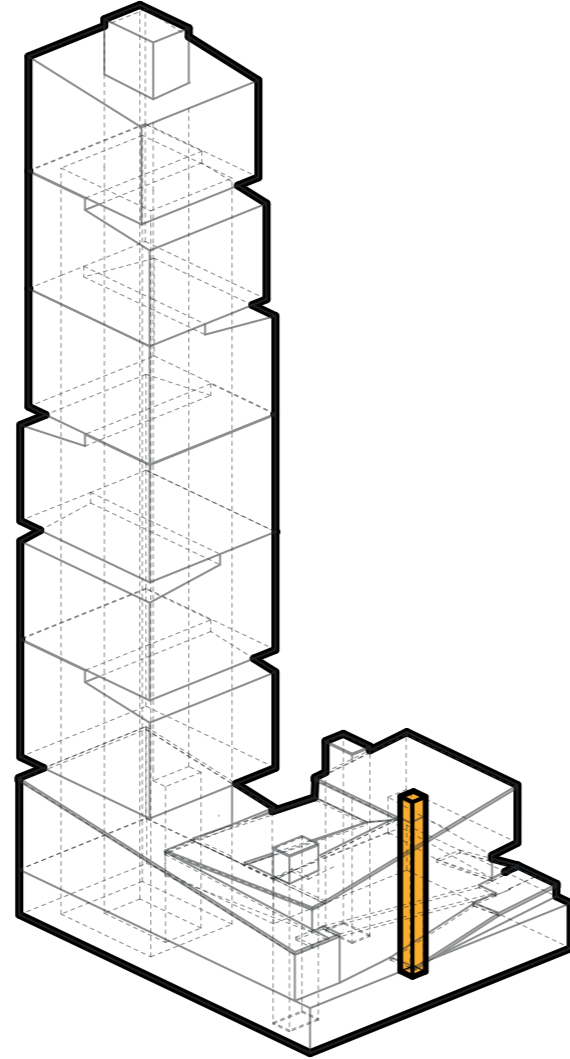
Typical tower communal garden



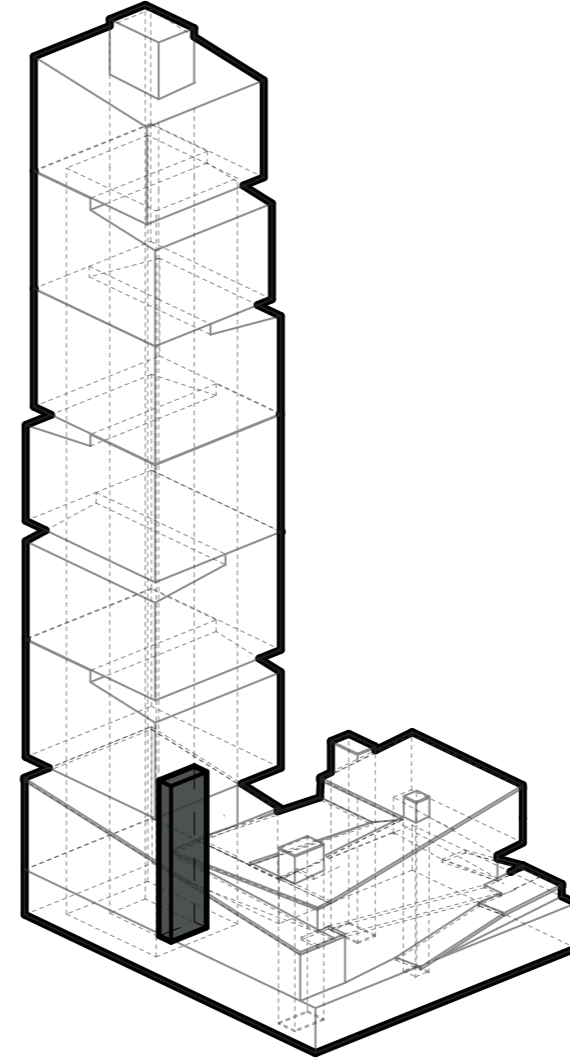
Vertical Transportation



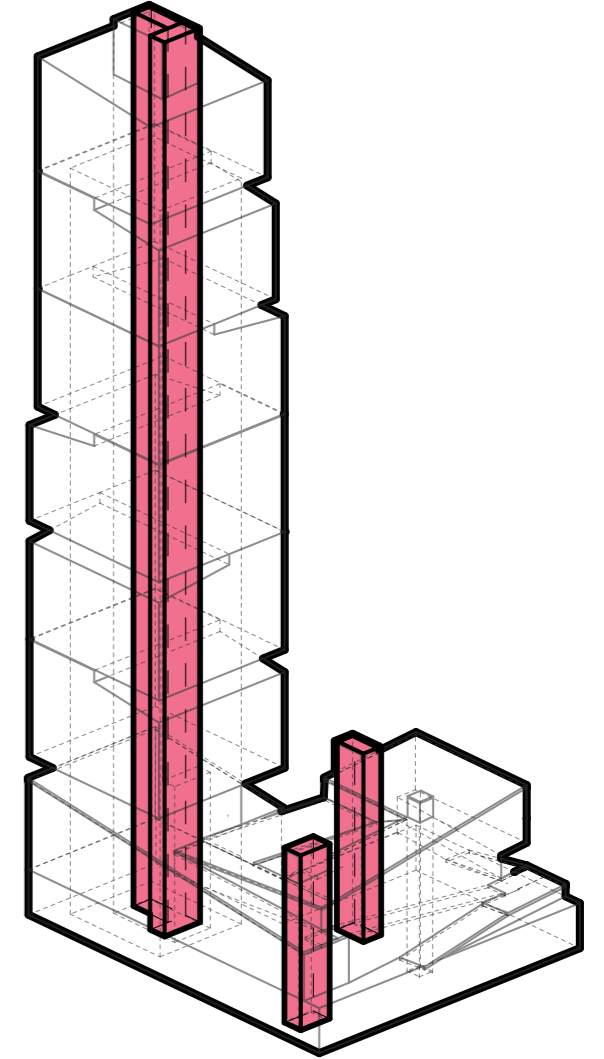
**elevators for
residents**



**elevators for
market customer**



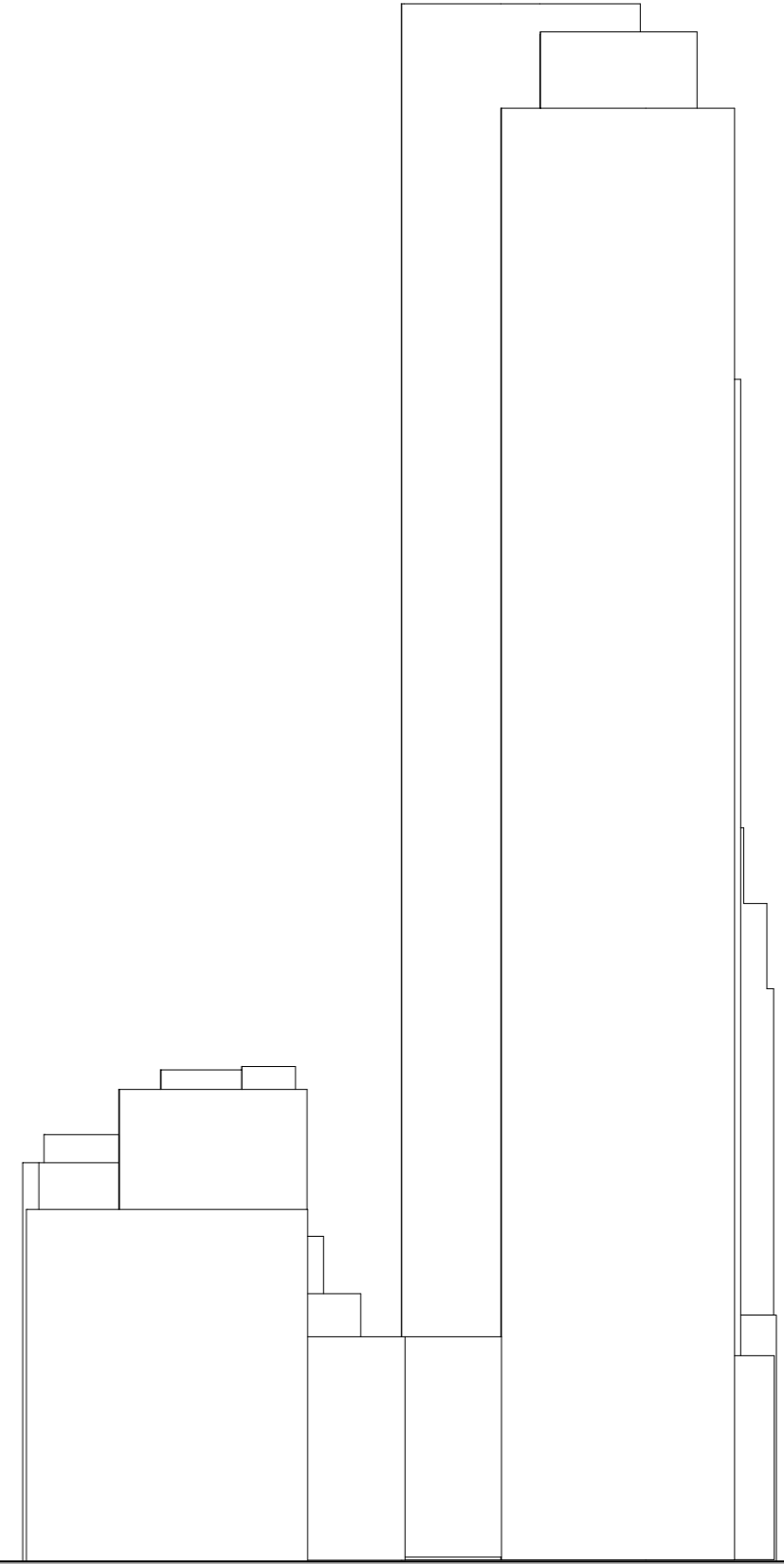
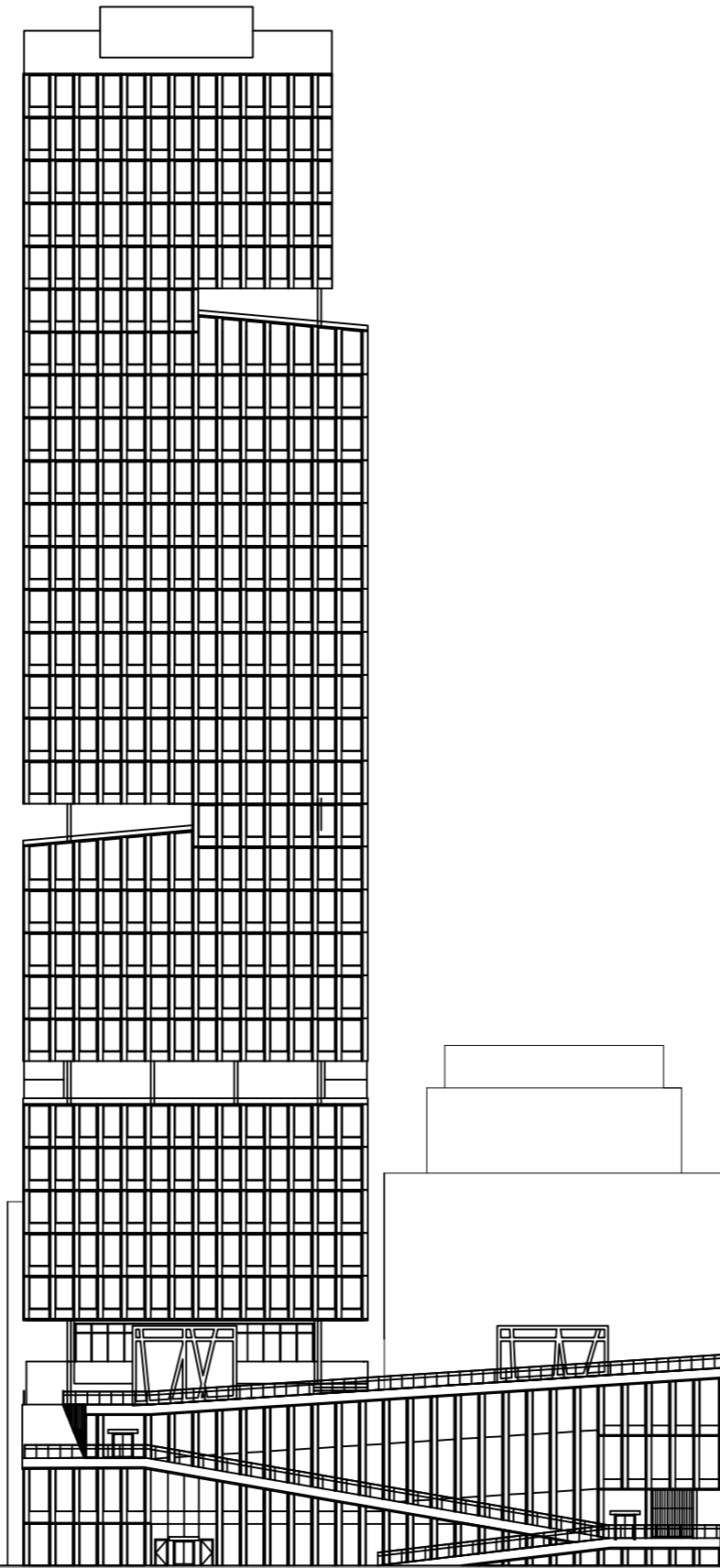
**freight elevators
and storage**



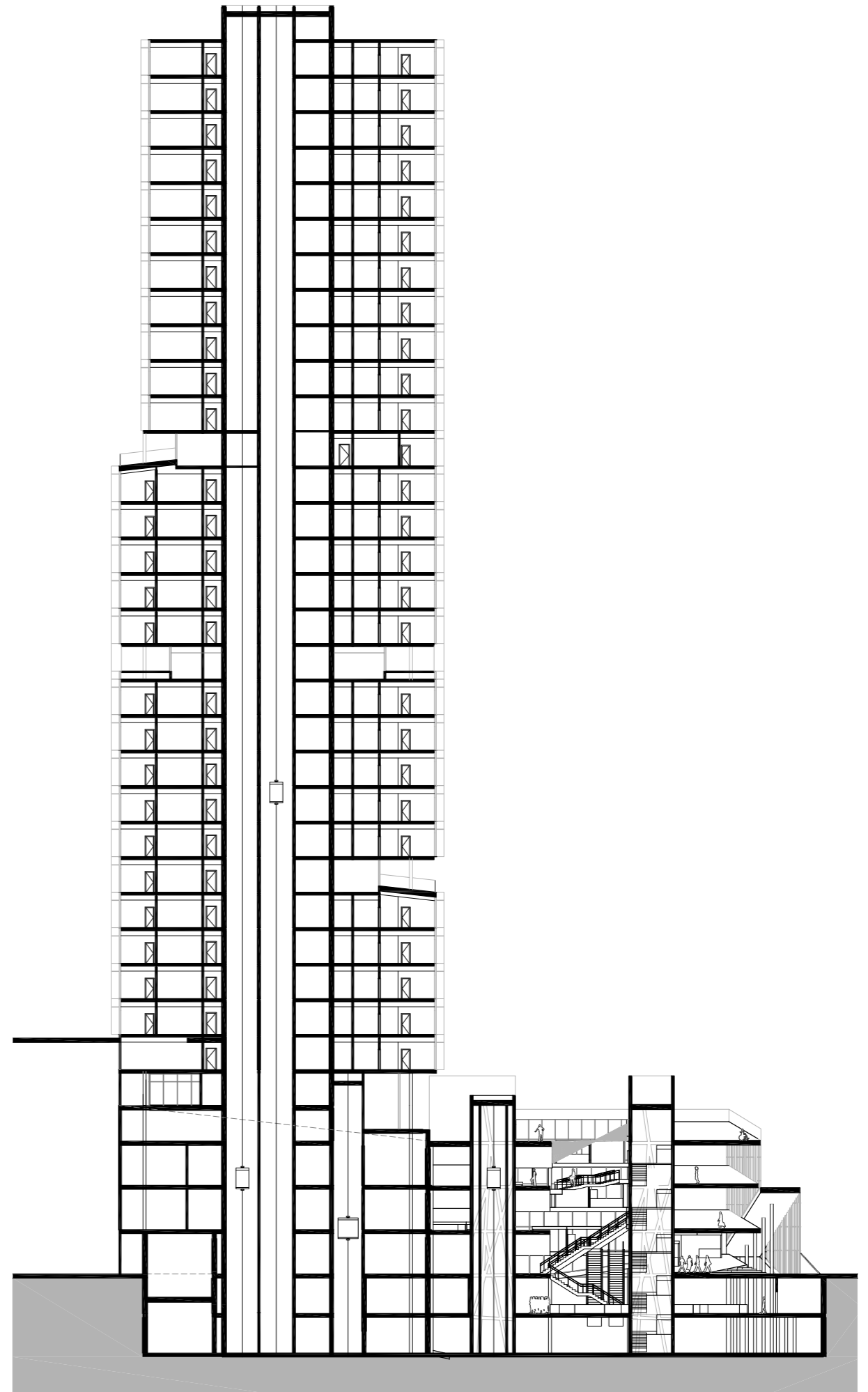
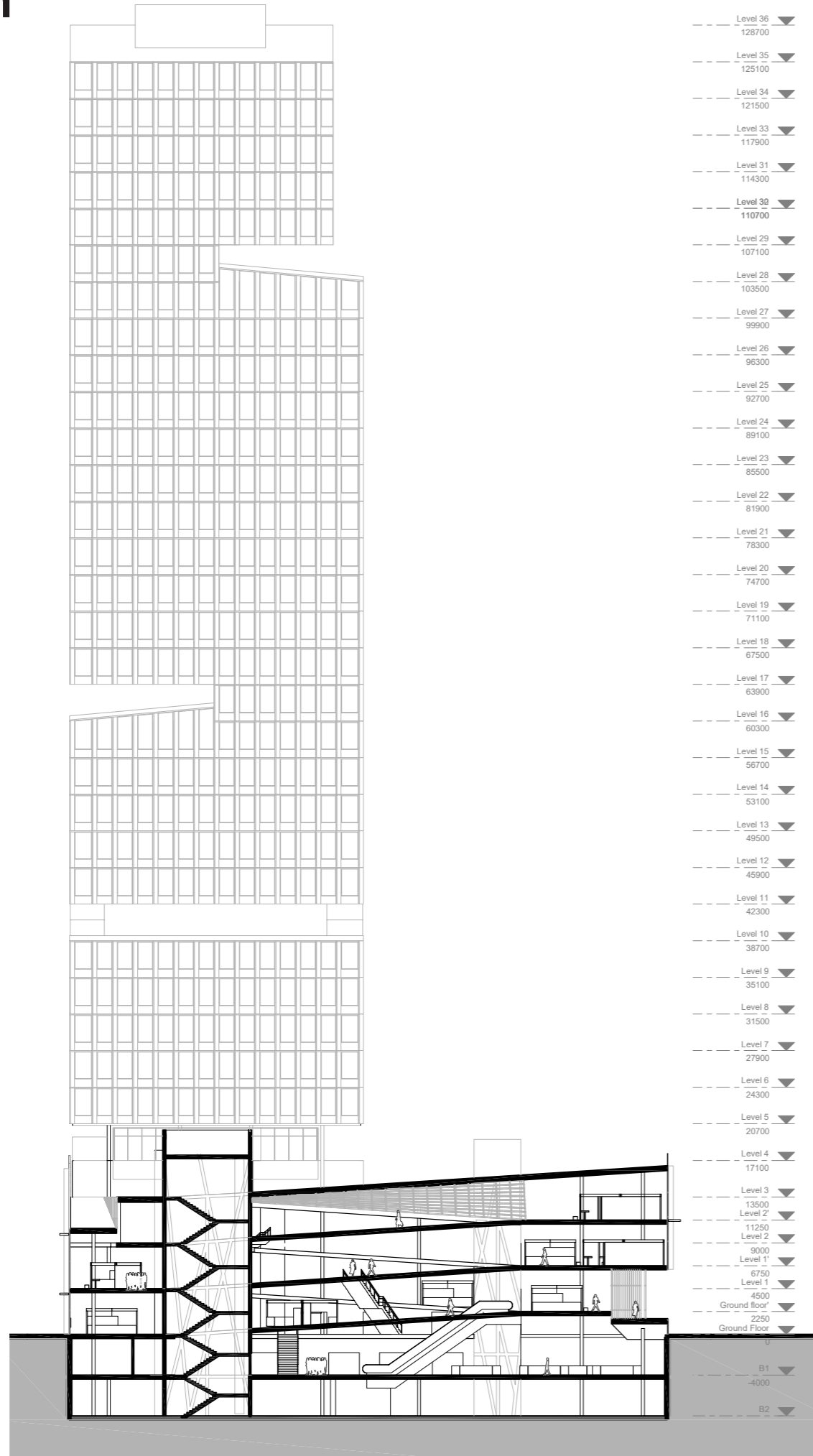
**fire escape
stairs**

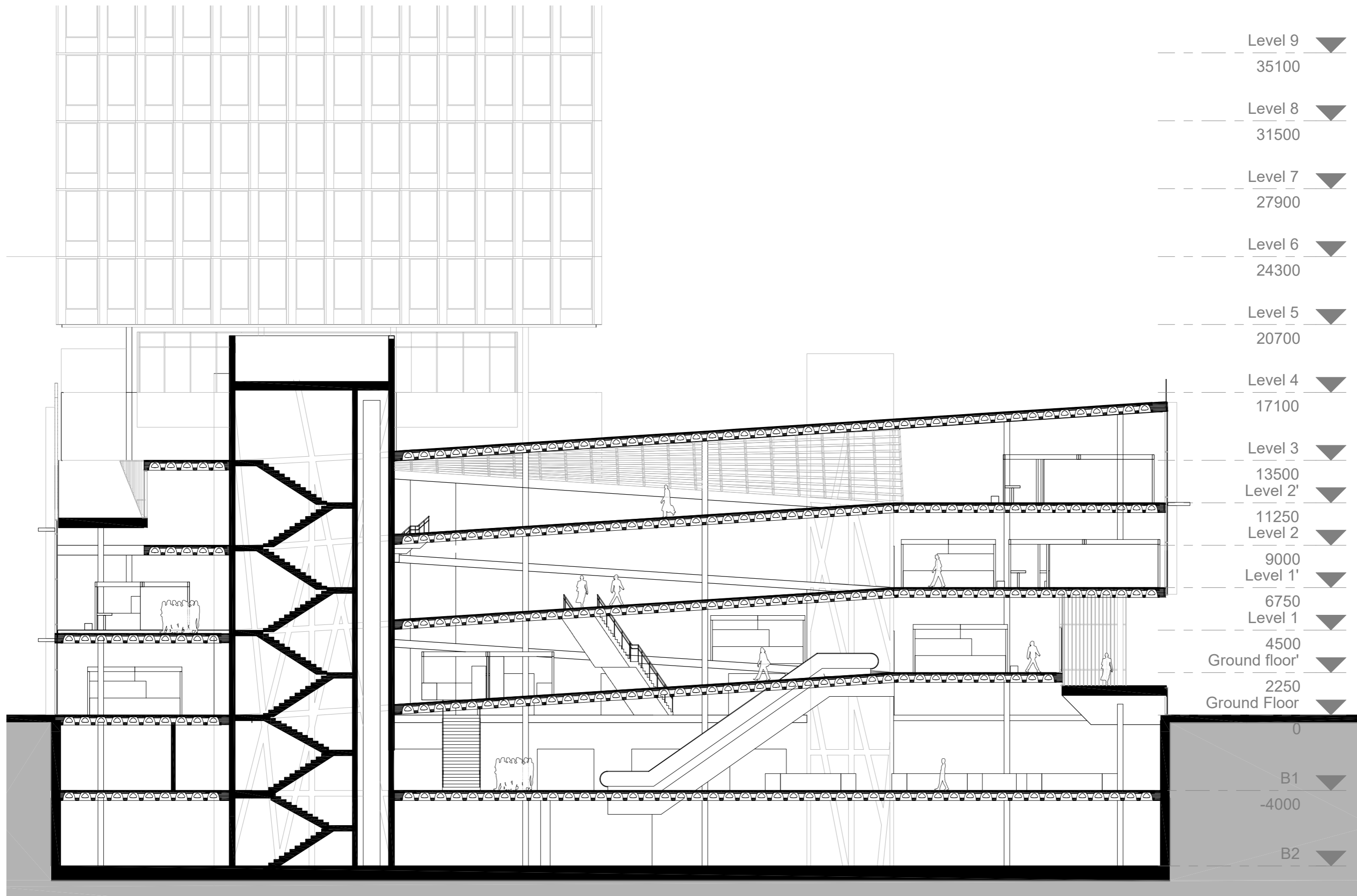
East Elevation

- Level 36
128700
- Level 35
125100
- Level 34
121500
- Level 33
117900
- Level 31
114300
- Level 30
110700
- Level 29
107100
- Level 28
103500
- Level 27
99900
- Level 26
96300
- Level 25
92700
- Level 24
89100
- Level 23
85500
- Level 22
81900
- Level 21
78300
- Level 20
74700
- Level 19
71100
- Level 18
67500
- Level 17
63900
- Level 16
60300
- Level 15
56700
- Level 14
53100
- Level 13
49500
- Level 12
45900
- Level 11
42300
- Level 10
38700
- Level 9
35100
- Level 8
31500
- Level 7
27900
- Level 6
24300
- Level 5
20700
- Level 4
17100
- Level 3
13500
- Level 2'
11250
- Level 2
9000
- Level 1'
6750
- Level 1
4500
- Ground floor
2250
- Ground Floor
0
- B1
-4000
- B2



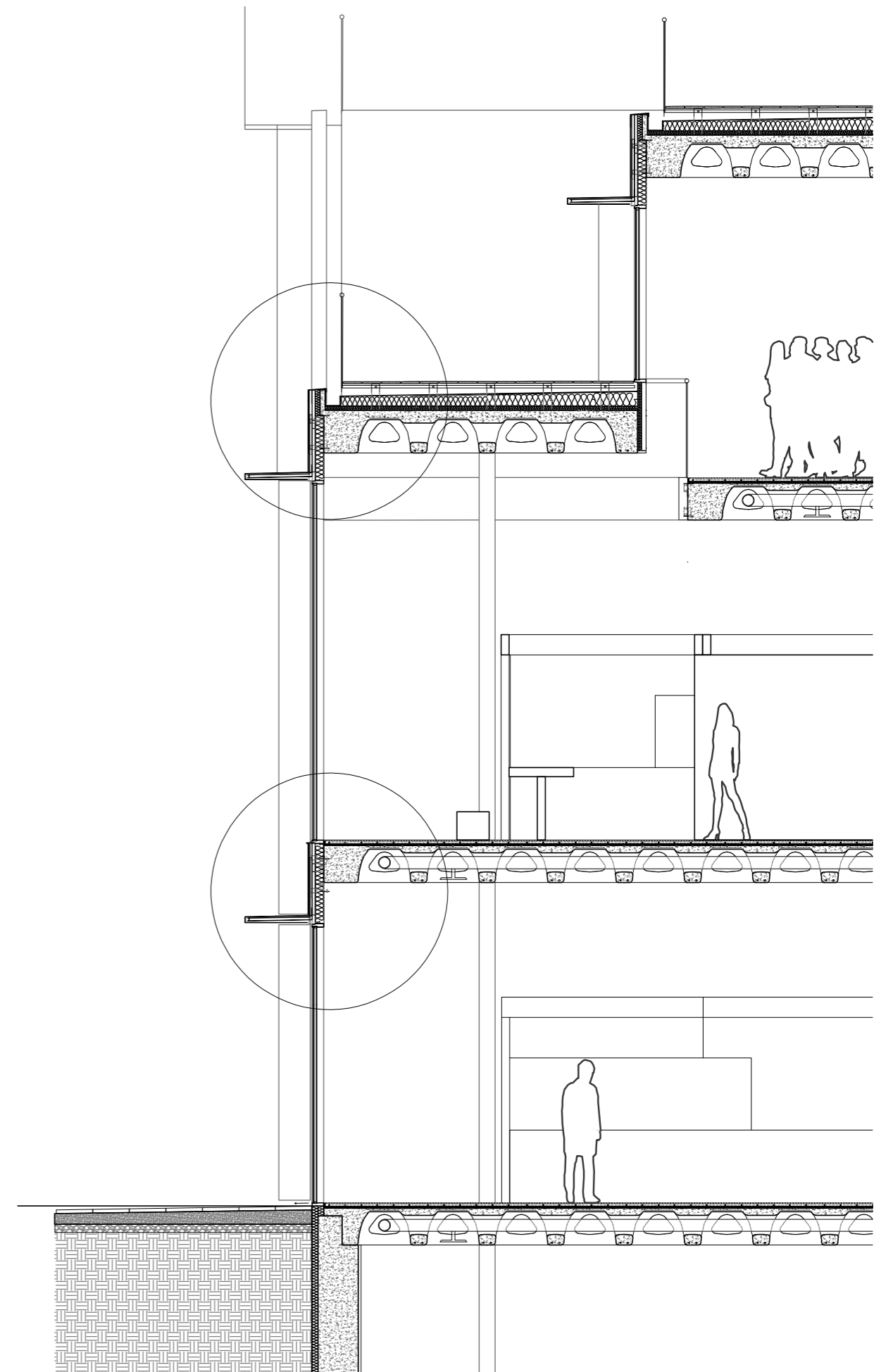
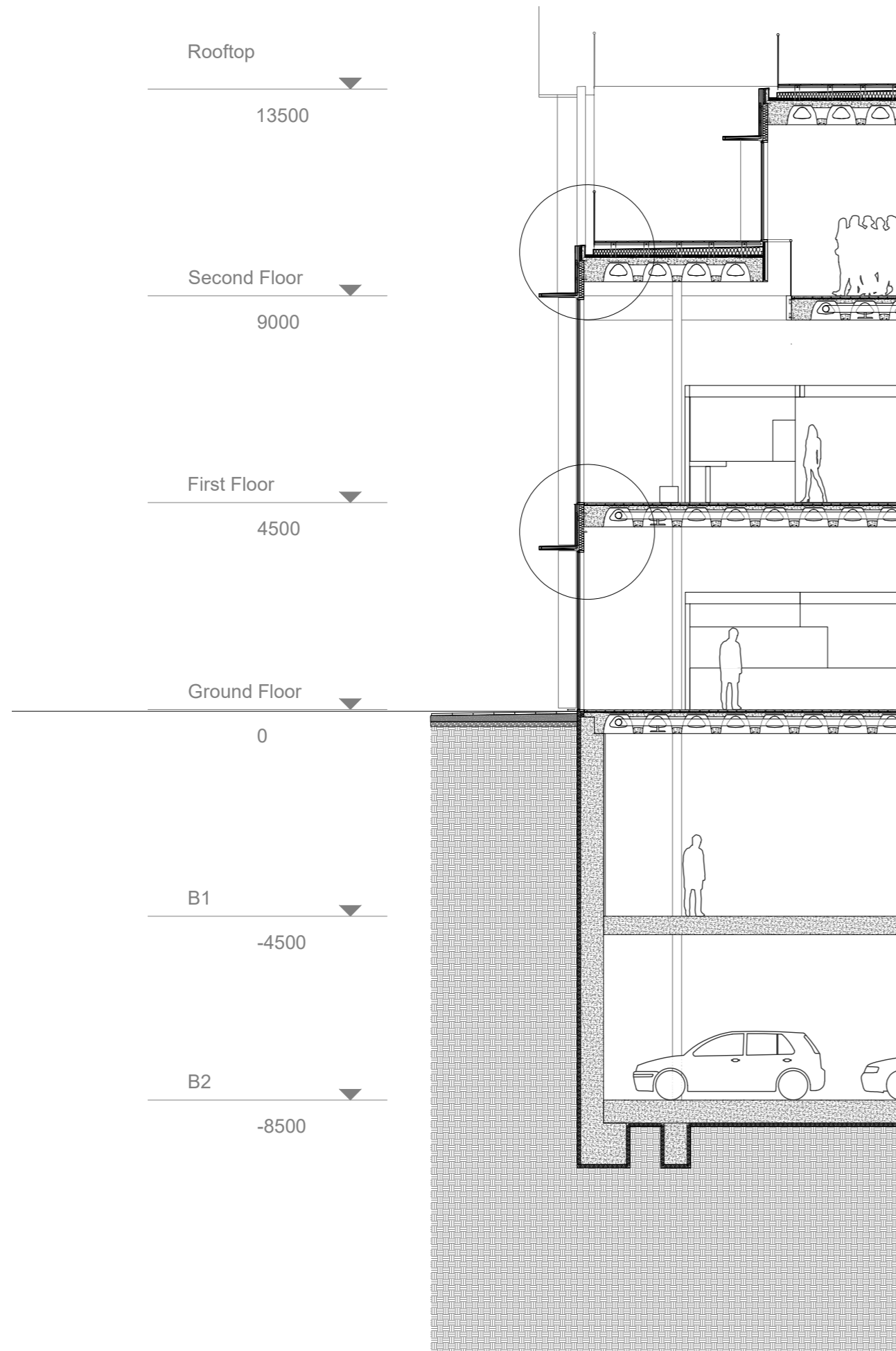
Section

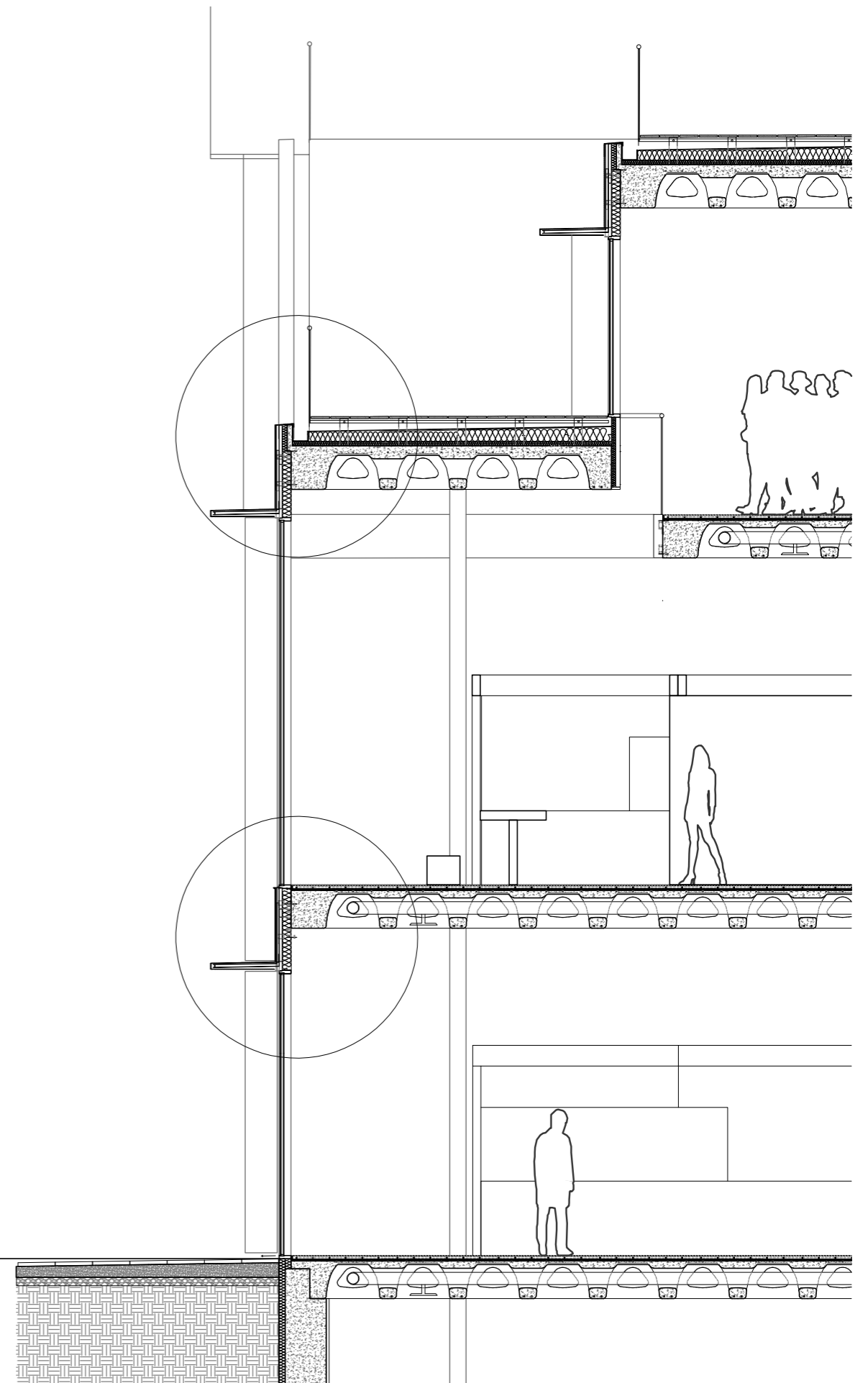
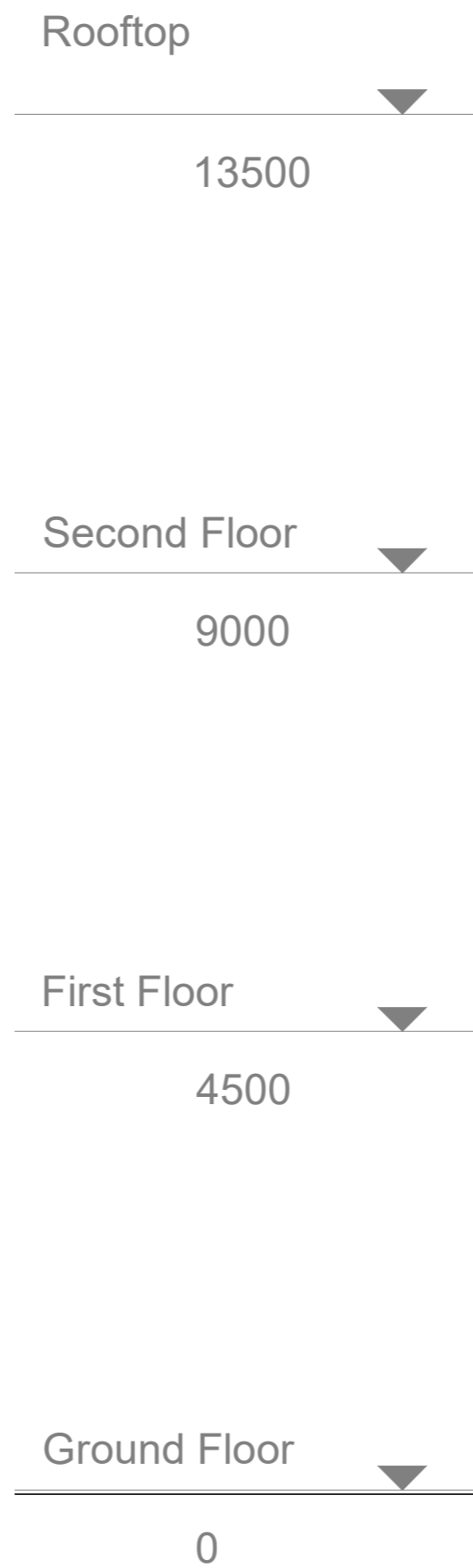


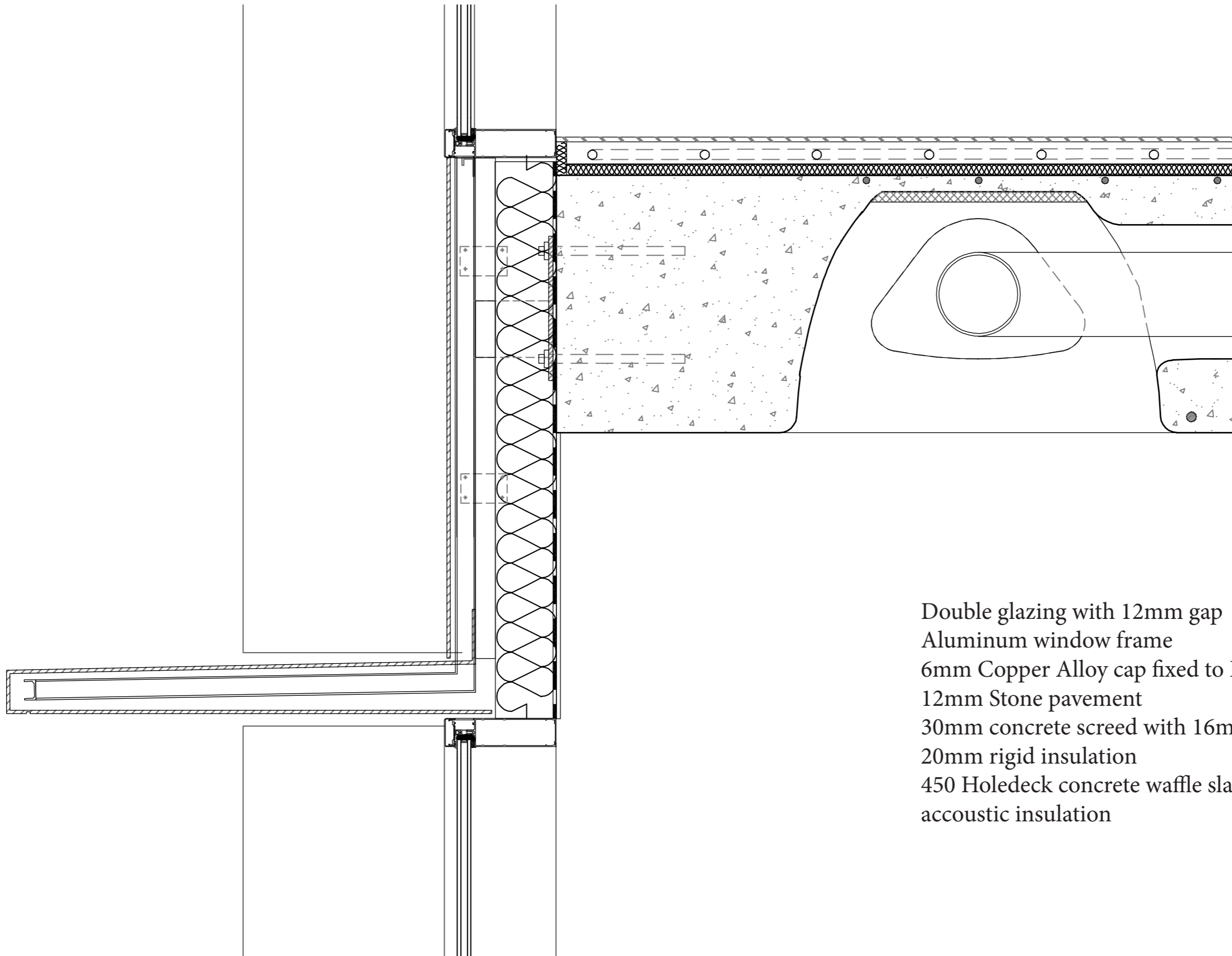




Podium Section

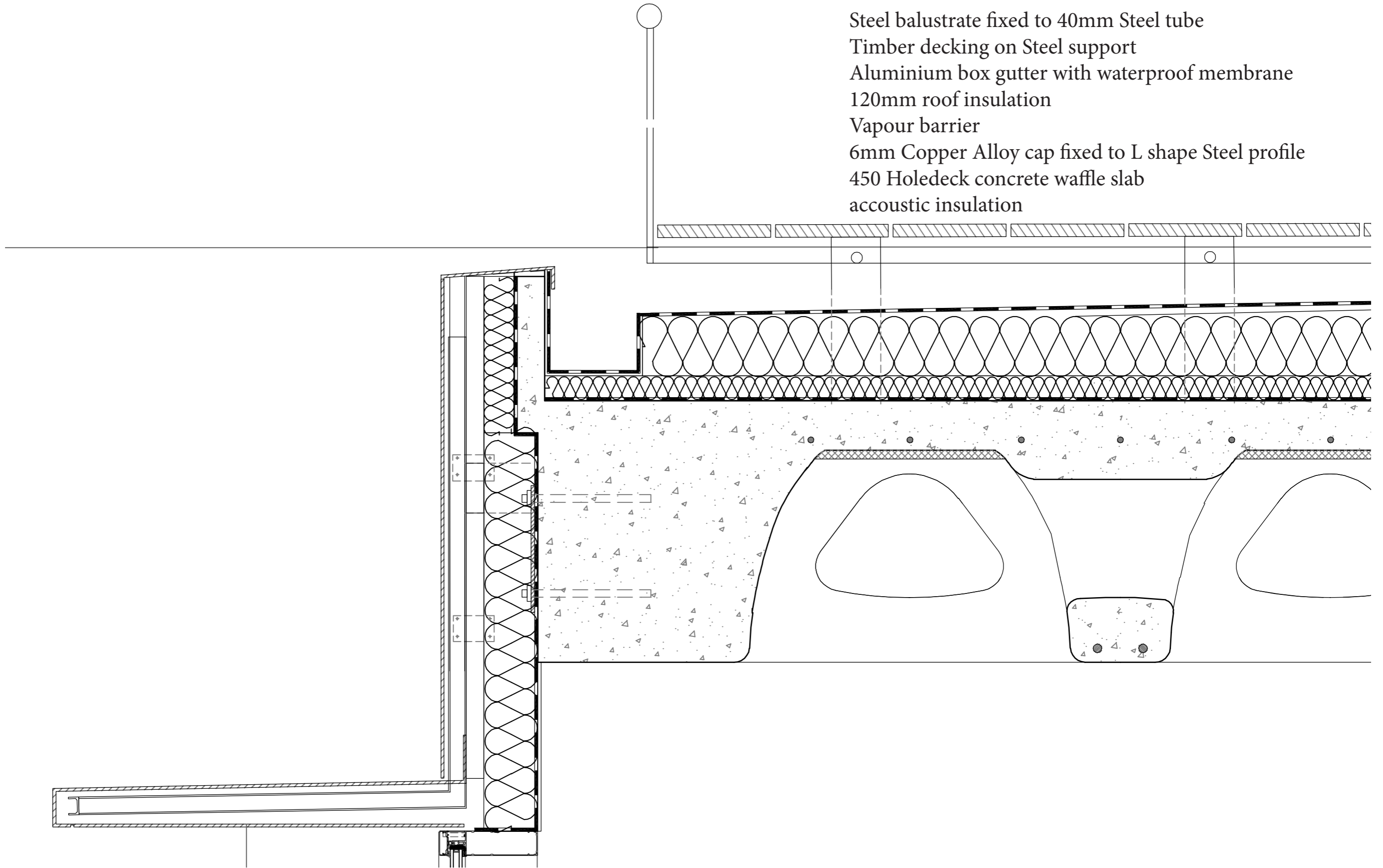






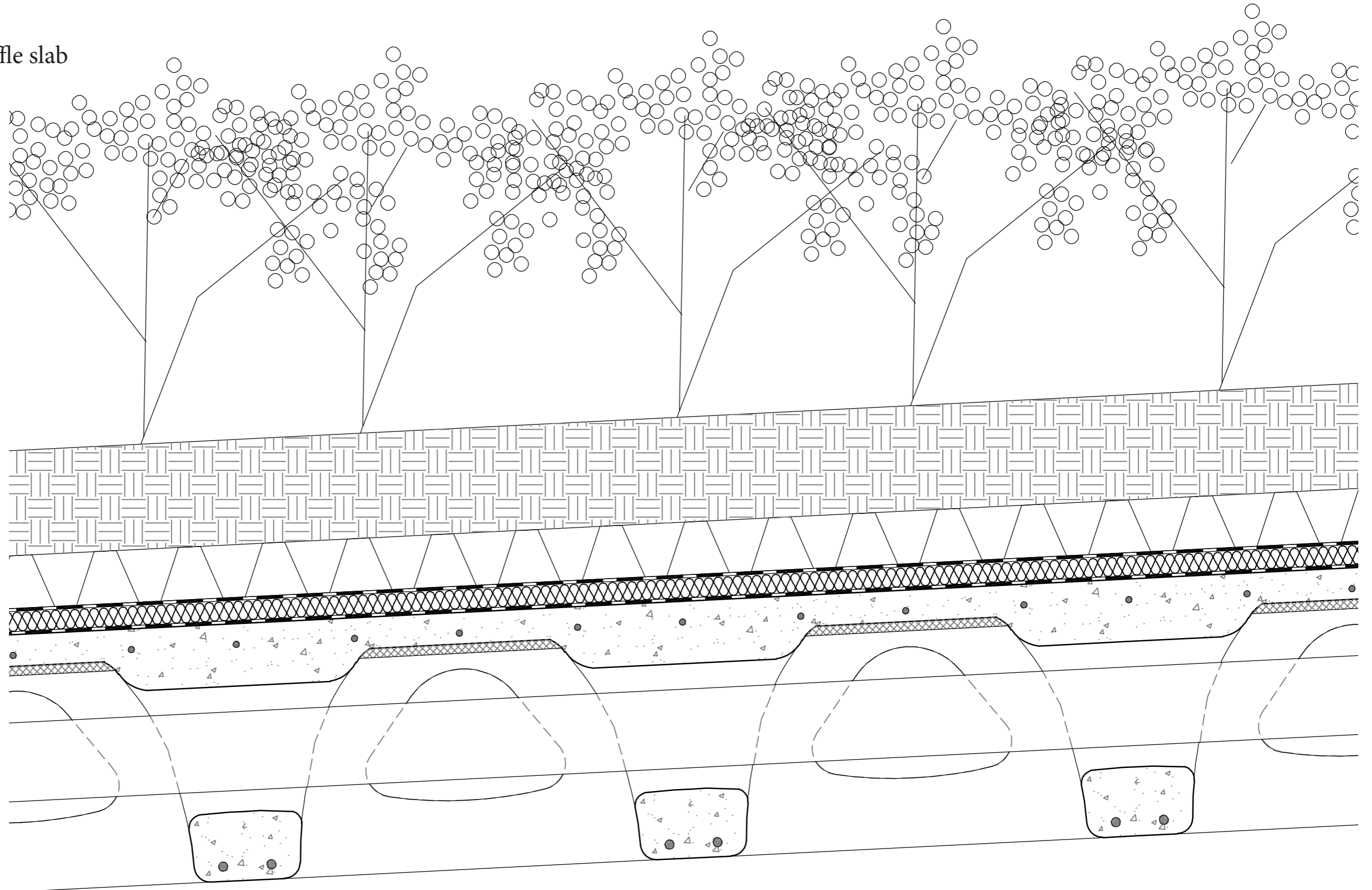
Double glazing with 12mm gap
Aluminum window frame
6mm Copper Alloy cap fixed to L shape Steel profile
12mm Stone pavement
30mm concrete screed with 16mm floor heating pipes
20mm rigid insulation
450 Holedeck concrete waffle slab
acoustic insulation

Steel balustrate fixed to 40mm Steel tube
Timber decking on Steel support
Aluminium box gutter with waterproof membrane
120mm roof insulation
Vapour barrier
6mm Copper Alloy cap fixed to L shape Steel profile
450 Holedeck concrete waffle slab
accoustic insulation

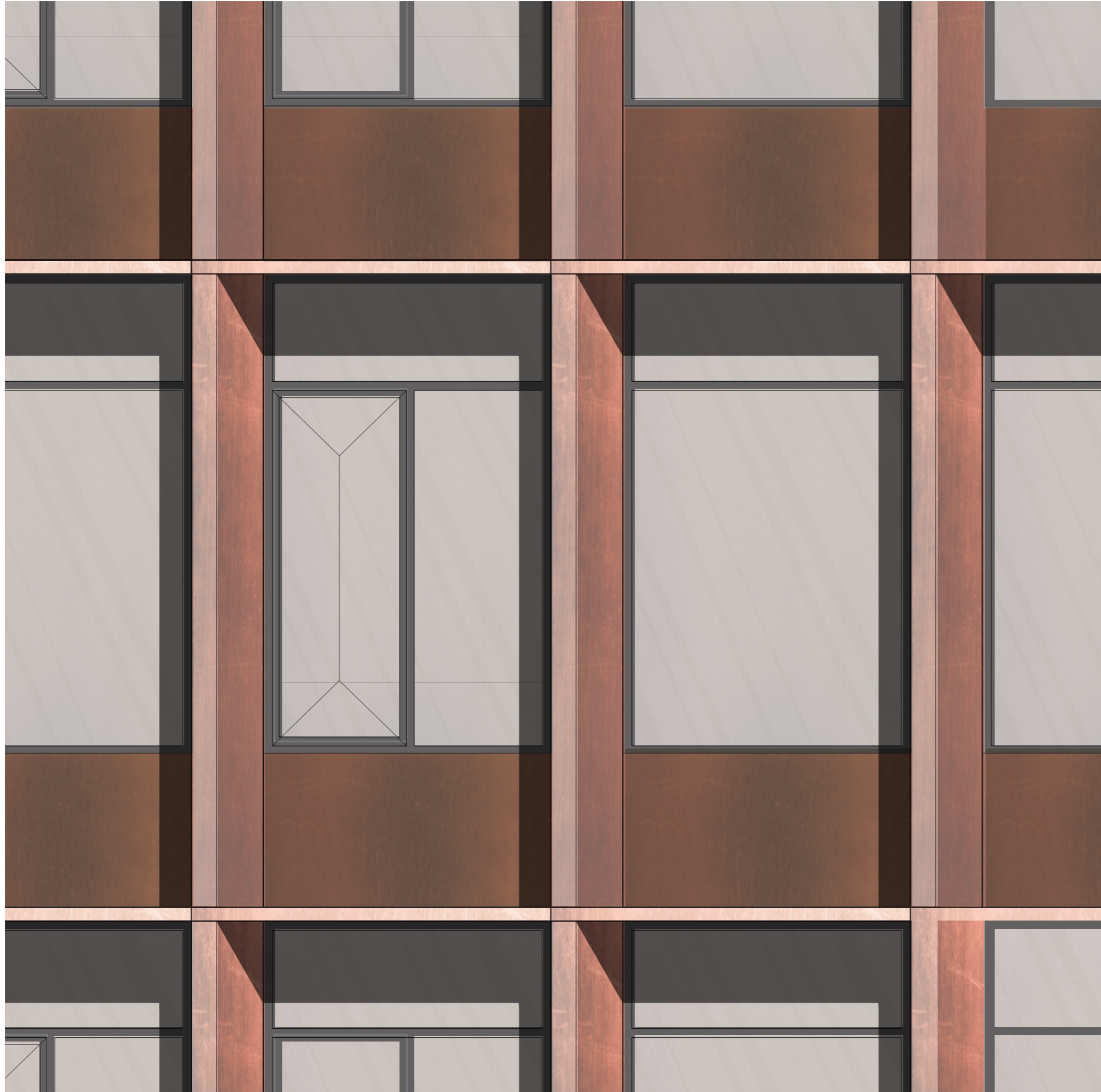


Vegetation
150mm growing medium
Root repelent
Drainage Layer
Waterproof membrane
Insulation Layer
Vapour barrier
450mm concrete waffle slab
accoustic insulation
air ducts

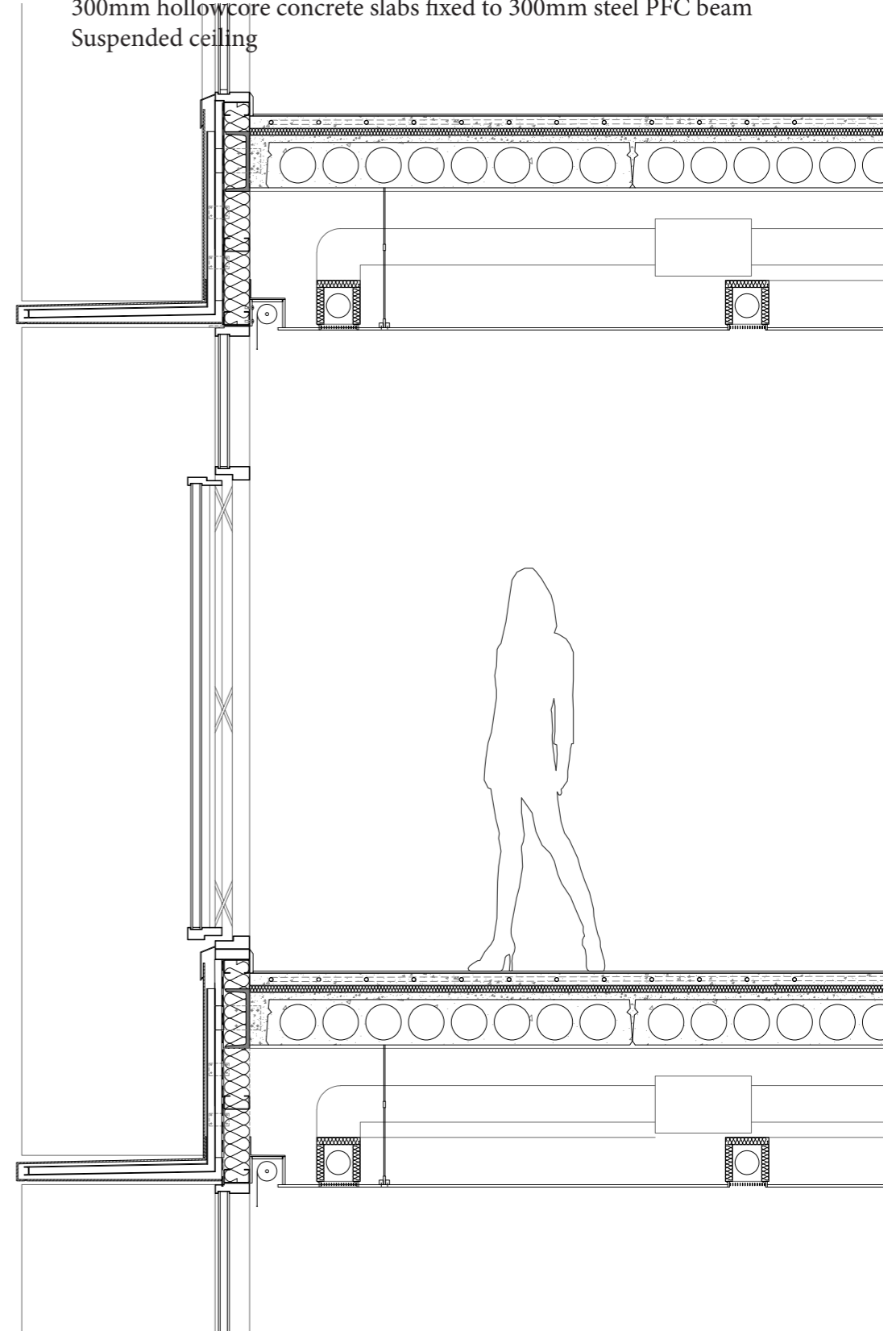
3.7°



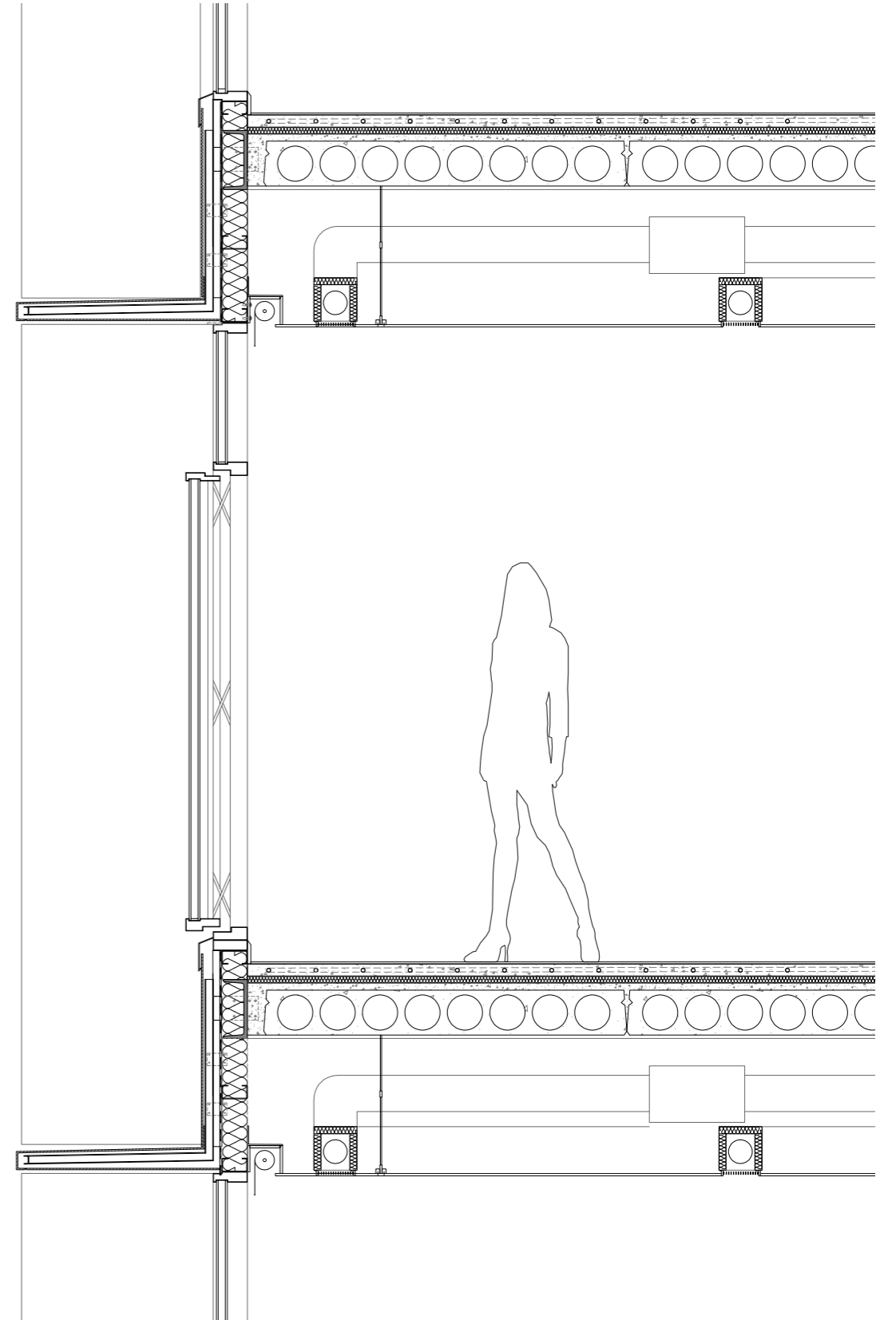
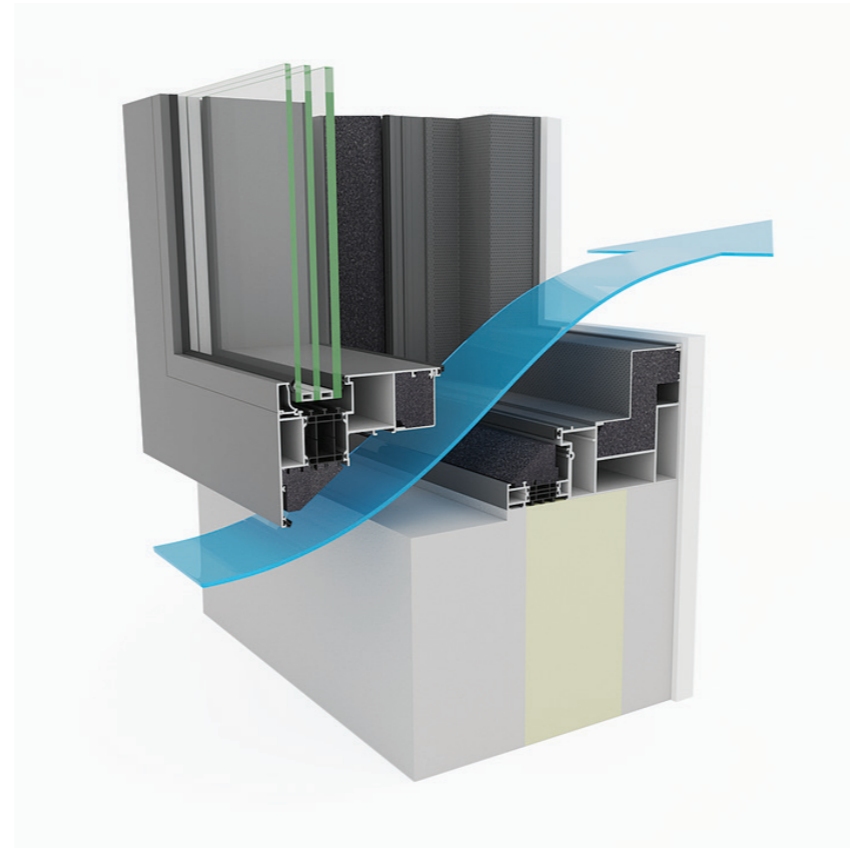
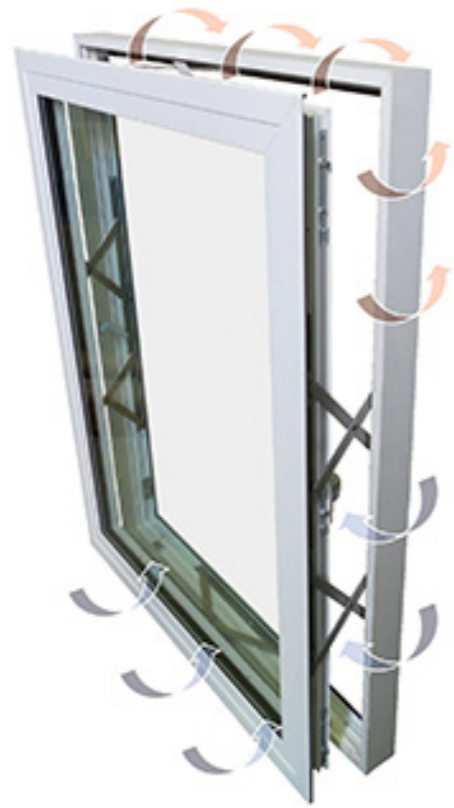
Section drawing Residential tower



- 6mm Copper Alloy cap fixed to L shape Steel profile
- Copper cladding panel
- 120mm wall insulation
- 12mm phase changing gypsum board
- interior carpet
- 30mm concrete screed with floor heating pipes
- 20mm rigid insulation
- 30mm in situ concrete screed
- 300mm hollowcore concrete slabs fixed to 300mm steel PFC beam
- Suspended ceiling

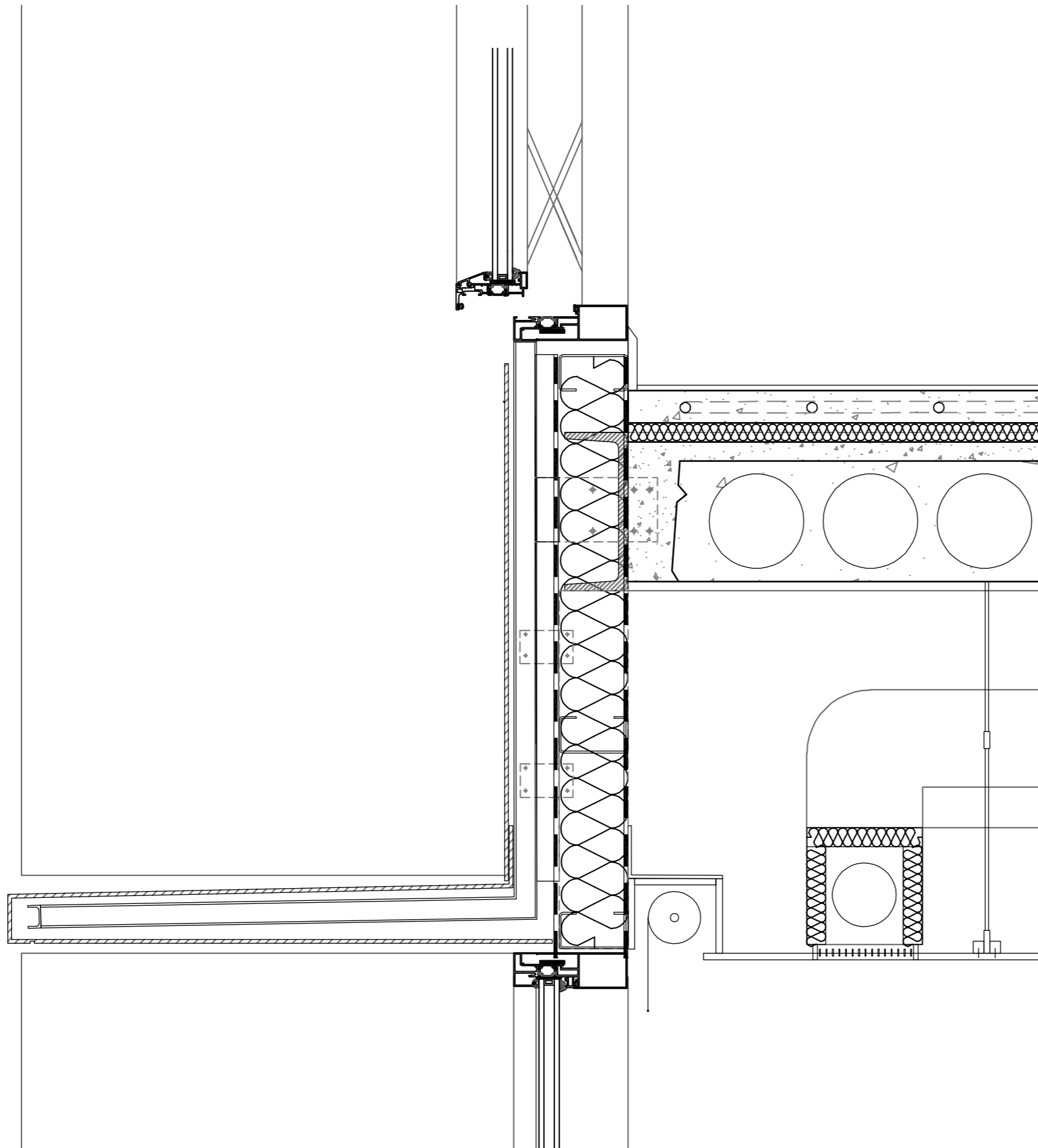


Section drawing Residential tower

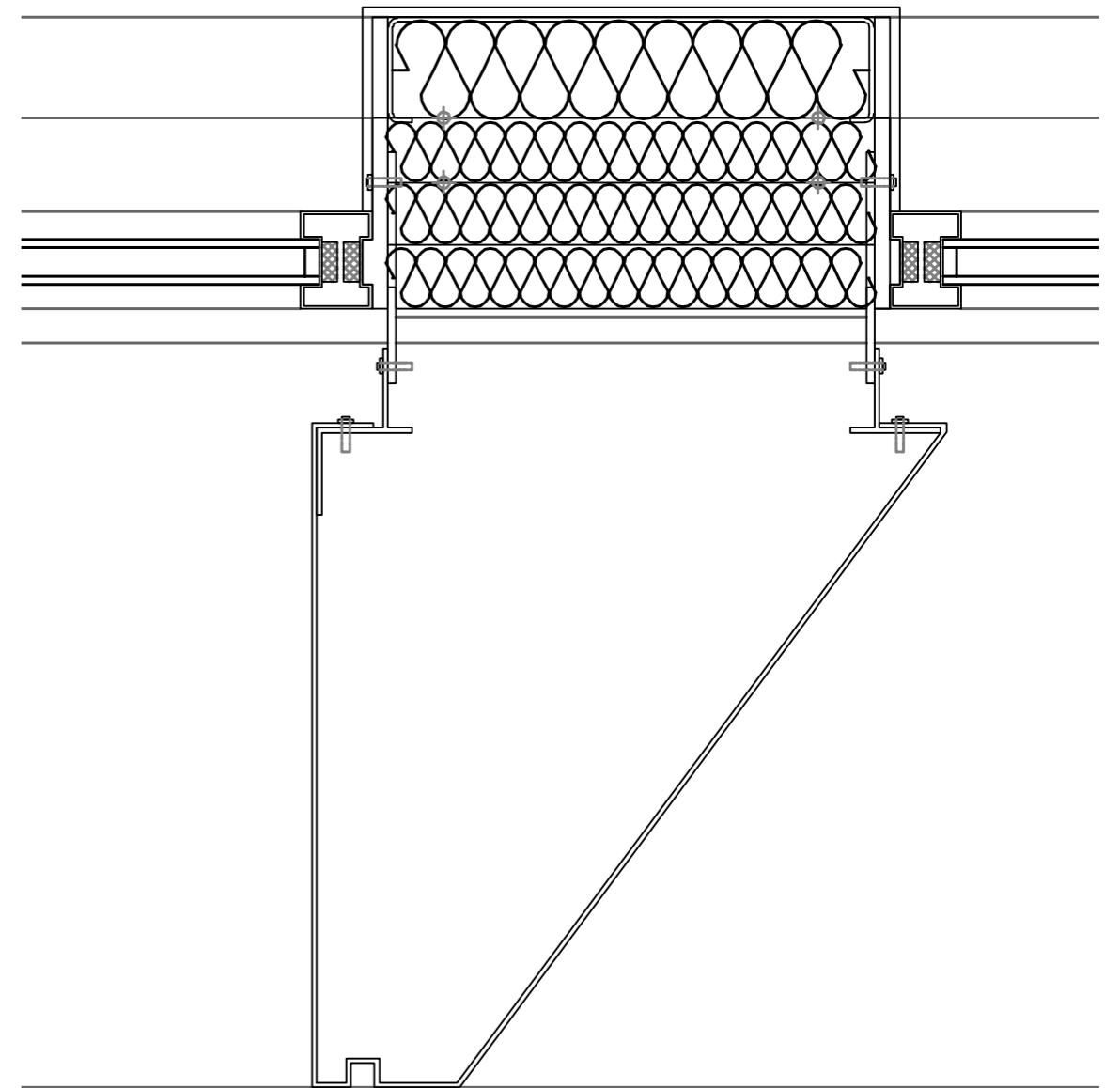


Parallel opening window

- small opening movement with better air circulation
- good acoustic performance
- reducing draughts



- 6mm Copper Alloy cap fixed to L shape Steel profile
- Copper cladding panel
- 120mm wall insulation
- 12mm phase changing gypsum board
- interior carpet
- 30mm concrete screed with floor heating pipes
- 20mm rigid insulation
- 30mm in situ concrete screed
- 300mm hollowcore concrete slabs fixed to 300mm steel PFC beam
- Suspended ceiling



Structural Scheme
Podium
Steel section to floor detail

8mm fireproofing laminated Wglass
stone pavement
30mm concrete screed with 16mm heating/cooling
pipes
20mm rigid insulation
300mm PFC beam fixed to 450mm steel waffle slab
20mm fire protection board

