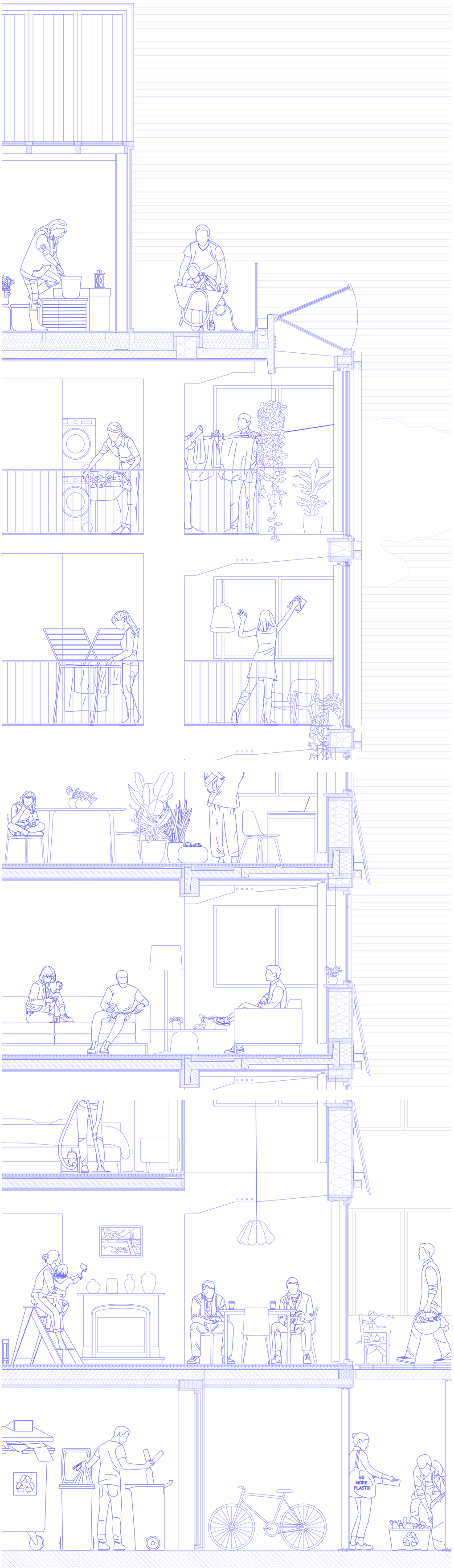


1:20 western facade section

Greenhouse

40	mm	Solar panels
40	mm	Re-used double glass panes
180	mm	IPE180 steel columns on existing walls
100	mm	Battens
120	mm	Counterbattens
700	mm	Bayliss autovents

Roof

20	mm	Timber decking
0,1	mm	Water barrier
120	mm	Reed-based insulation
140	mm	40x140mm timber framing
120	mm	Reed-based insulation
120	mm	60x120mm timber framing on walls
0,1	mm	Vapor barrier
120	mm	Existing reinforced concrete roof
20	mm	Reed-based acoustic insulation
20	mm	Ceiling finish

Facade

100	mm	Re-used solar shading
40	mm	Triple-glazing Interior curtains Manual air vents
40	mm	Angled solar panels
20	mm	Timber panel
360	mm	Self-supporting timber framing
0,1	mm	Water barrier
340	mm	Reed panel insulation (R=5,2)
0,1	mm	Vapor barrier
20	mm	Timber paneling
20	mm	Interior finish

Balconies

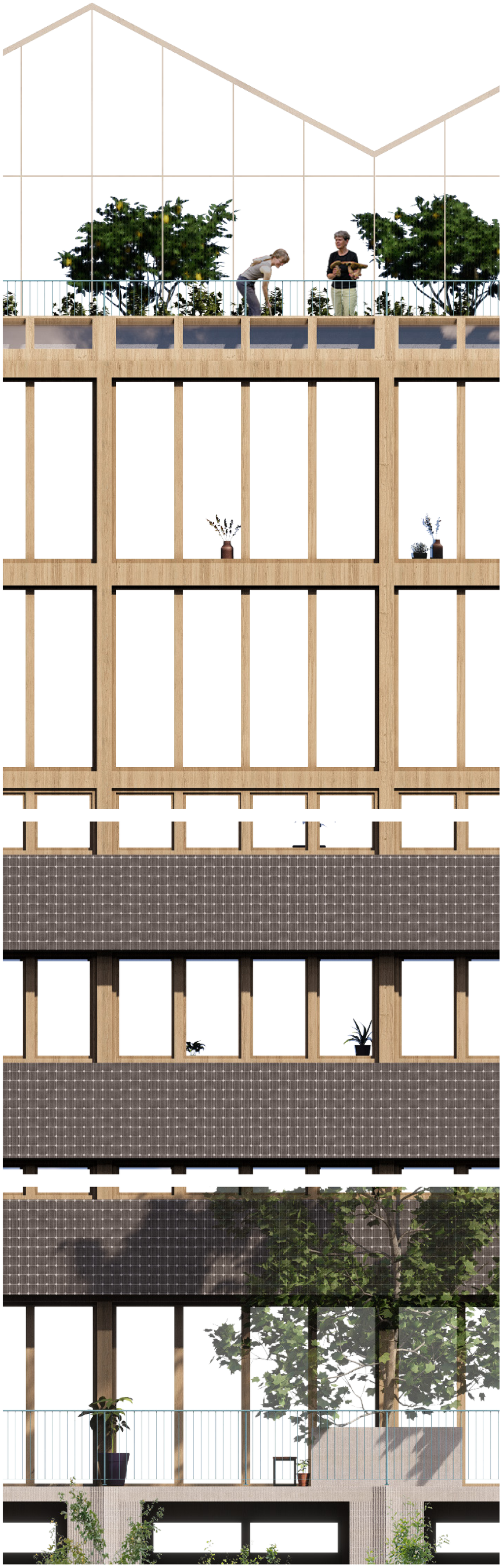
20	mm	Timber floor finish
20	mm	Dry floor heating system
40	mm	Reed-based thermal insulation
150	mm	Re-purposed concrete balconies
20	mm	Reed-based acoustic insulation
20	mm	Timber ceiling finish

Floors

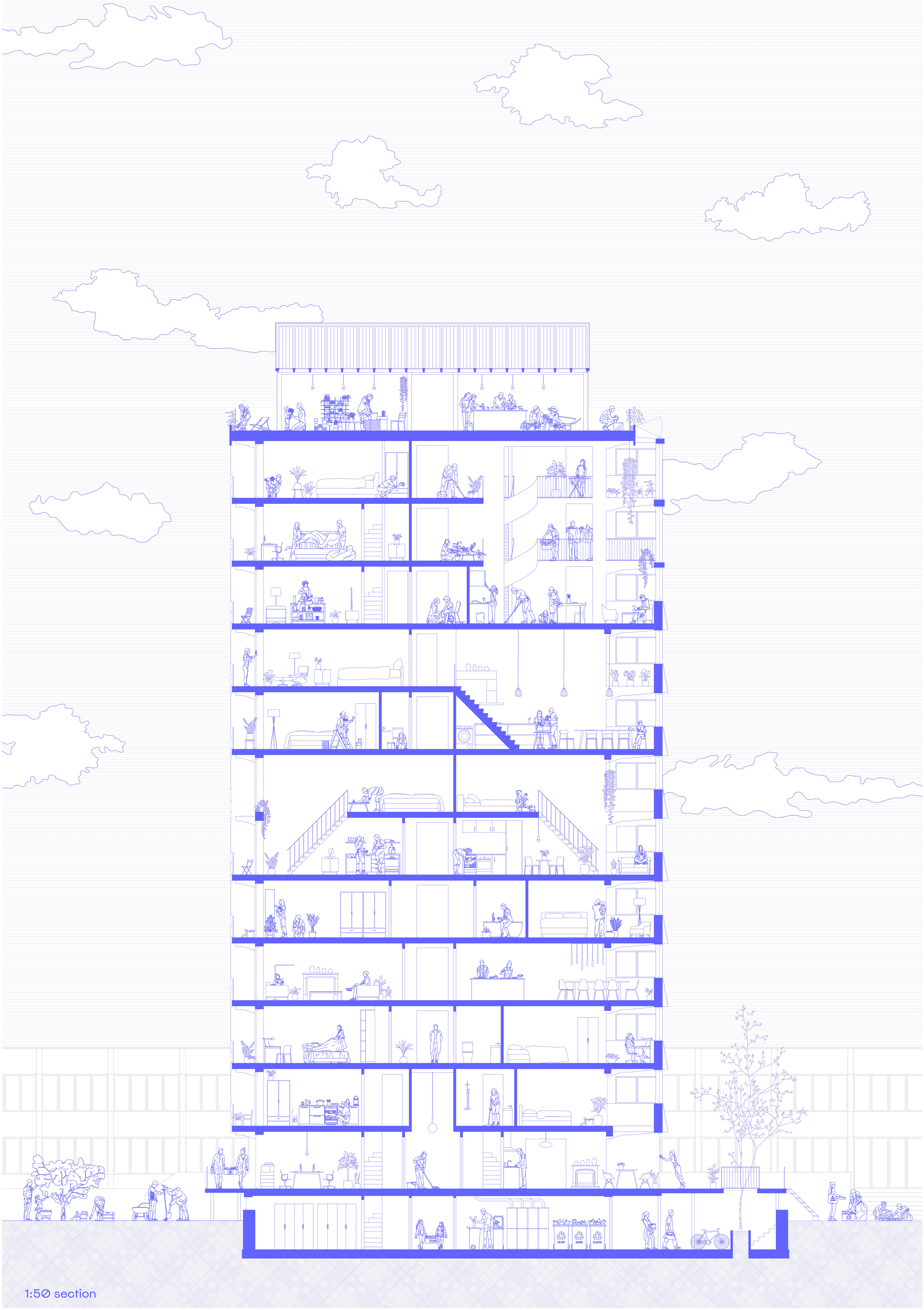
20	mm	Timber floor finish
20	mm	Dry floor heating system
40	mm	Reed-based thermal insulation
140	mm	Existing reinforced concrete slab
20	mm	Reed-based acoustic insulation
20	mm	Timber ceiling finish

Basement

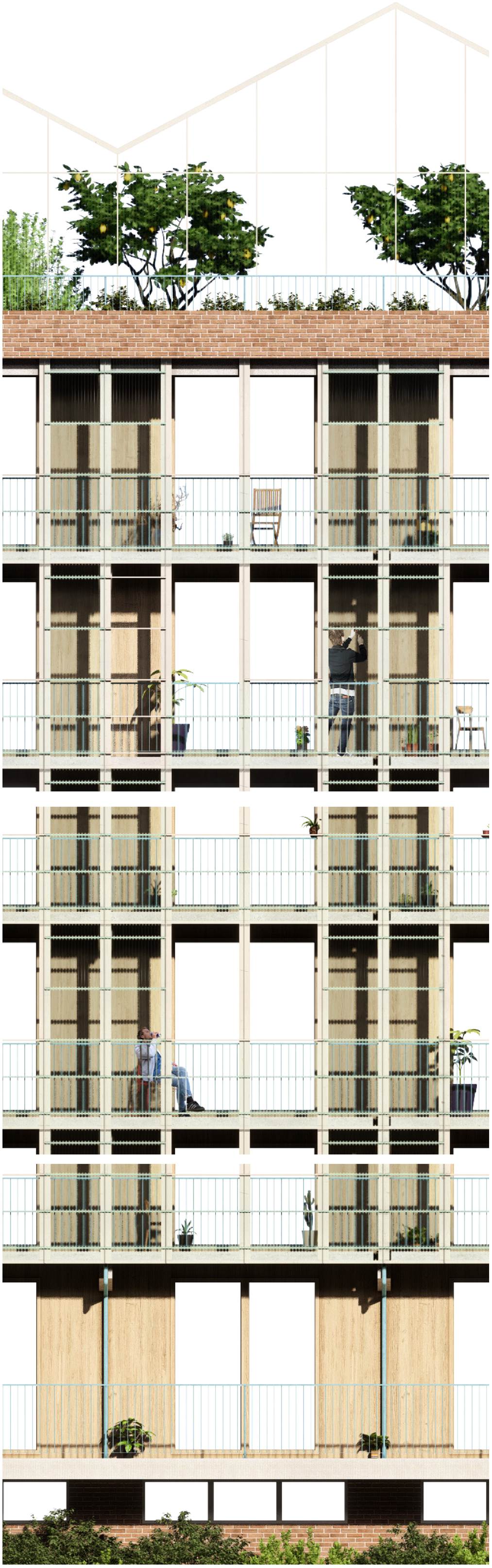
400	mm	In-situ reinforced concrete floor
450	mm	Reinforced concrete piles
100	mm	Existing brick facade
250	mm	In-situ existing concrete walls
120	mm	Reed-panel insulation
20	mm	Timber interior finish



1:20 western facade elevation



1:50 section



Greenhouse

40	mm	Solar panels
40	mm	Re-used double glass panes
180	mm	IPE180 steel columns on existing walls
100	mm	Battens
120	mm	Counterbattens
700	mm	Bayliss autovents

Roof

20	mm	Timber decking
0,1	mm	Water barrier
120	mm	Reed-based insulation
140	mm	40x140mm timber framing
120	mm	Reed-based insulation
120	mm	60x120mm timber framing on walls
0,1	mm	Vapor barrier
120	mm	Existing reinforced concrete roof
20	mm	Reed-based acoustic insulation
20	mm	Ceiling finish

Facade

5	mm	Polycarbonate shell
50	mm	Leightweight aluminum structure
40	mm	Re-used guardrails
100	mm	Re-used solar shading
20	mm	Timber exterior
0,1	mm	Water barrier
340	mm	Reed panel insulation (R=5,2)
0,1	mm	Vapor barrier
20	mm	Timber paneling
20	mm	Interior finish
		Interior curtains
		Manual air vents

Balconies

20	mm	Timber floor finish
60	mm	Battens and counterbattens
30	mm	Reed-based acoustic insulation
140	mm	Re-purposed concrete slabs
120	mm	THQ-Beam on existing console
20	mm	Reed-based acoustic insulation
20	mm	Timber ceiling finish

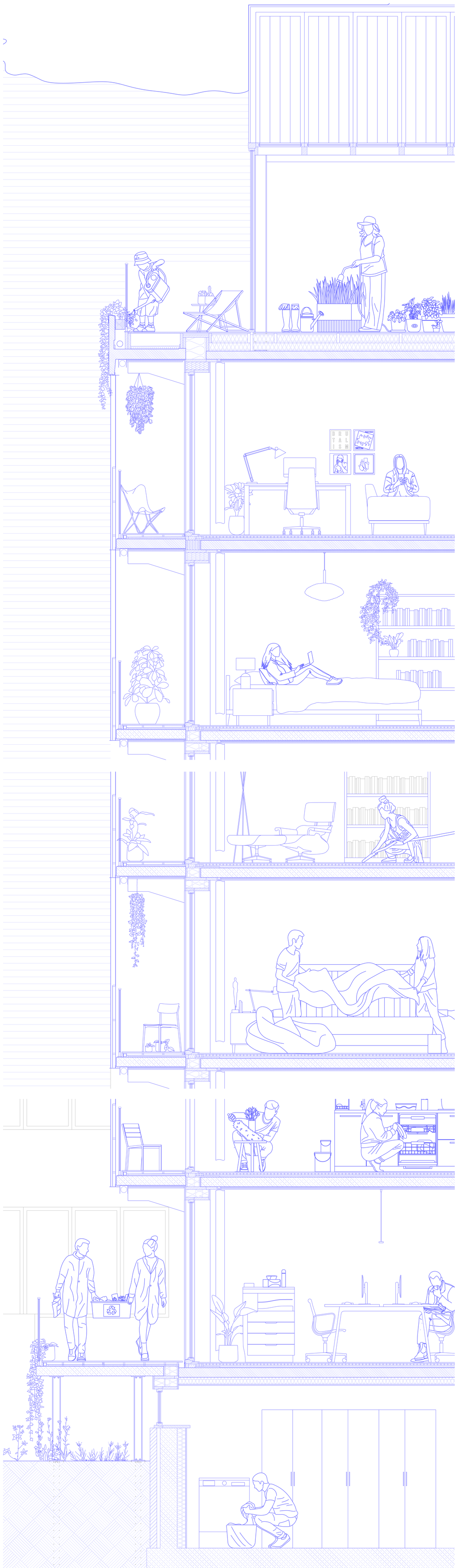
Floors

20	mm	Timber floor finish
20	mm	Dry floor heating system
40	mm	Reed-based thermal insulation
140	mm	Existing reinforced concrete slab
20	mm	Reed-based acoustic insulation
20	mm	Timber ceiling finish

Basement

400	mm	In-situ reinforced concrete floor
450	mm	Reinforced concrete piles
100	mm	Existing brick facade
250	mm	In-situ existing concrete walls
120	mm	Reed-panel insulation
20	mm	Timber interior finish

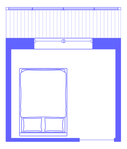
1:20 eastern facade elevation



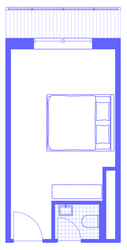
1:20 eastern facade section

Typologies: Rooms, Dwellings and Collectives

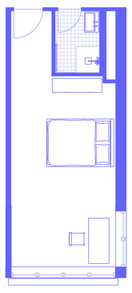
1P guest room



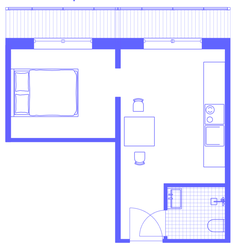
1P dependant room



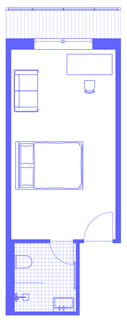
2P dependant room



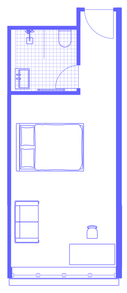
1P independant room



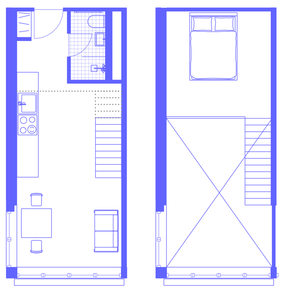
2P dependant room



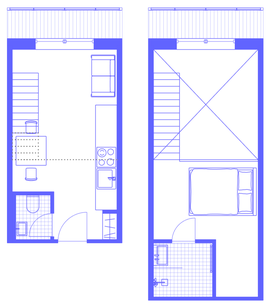
2P dependant room

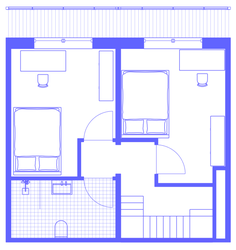


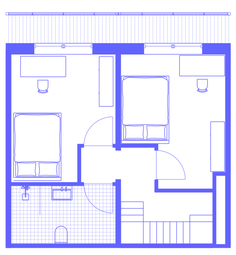
2P independant room

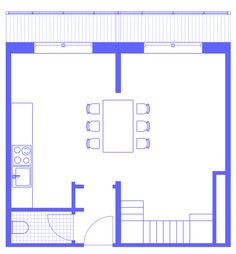


2P independant room

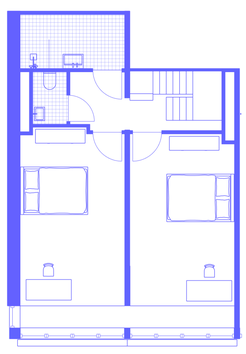




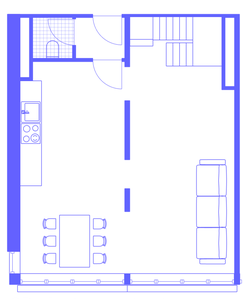




5P+ independant room

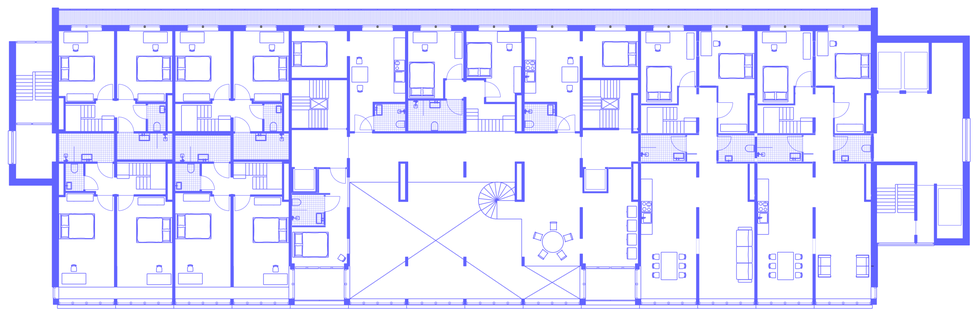


3P+ independant room

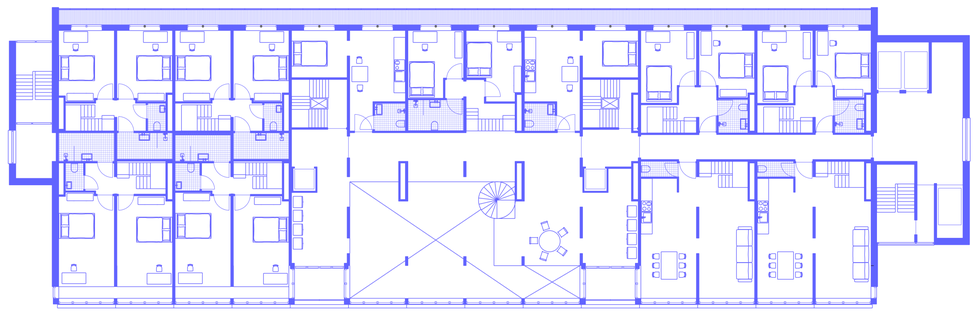


6P+ independant room

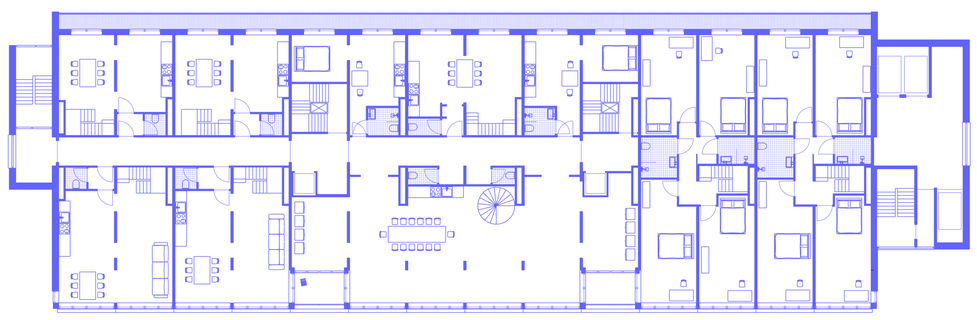
1:100 diversity of housing types



12th floor

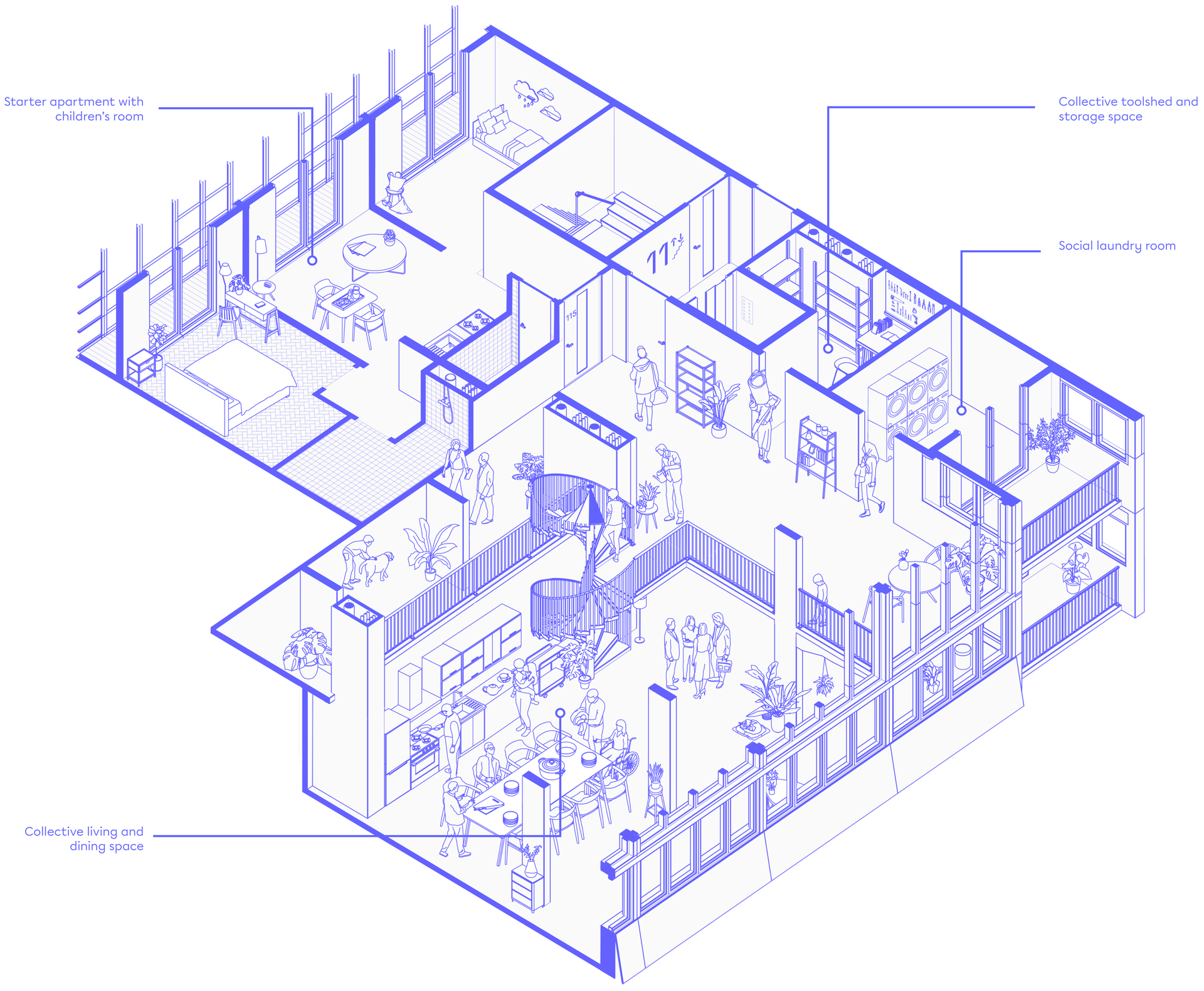


11th floor



10th floor

1:200 housing collective



Cooperative qualities