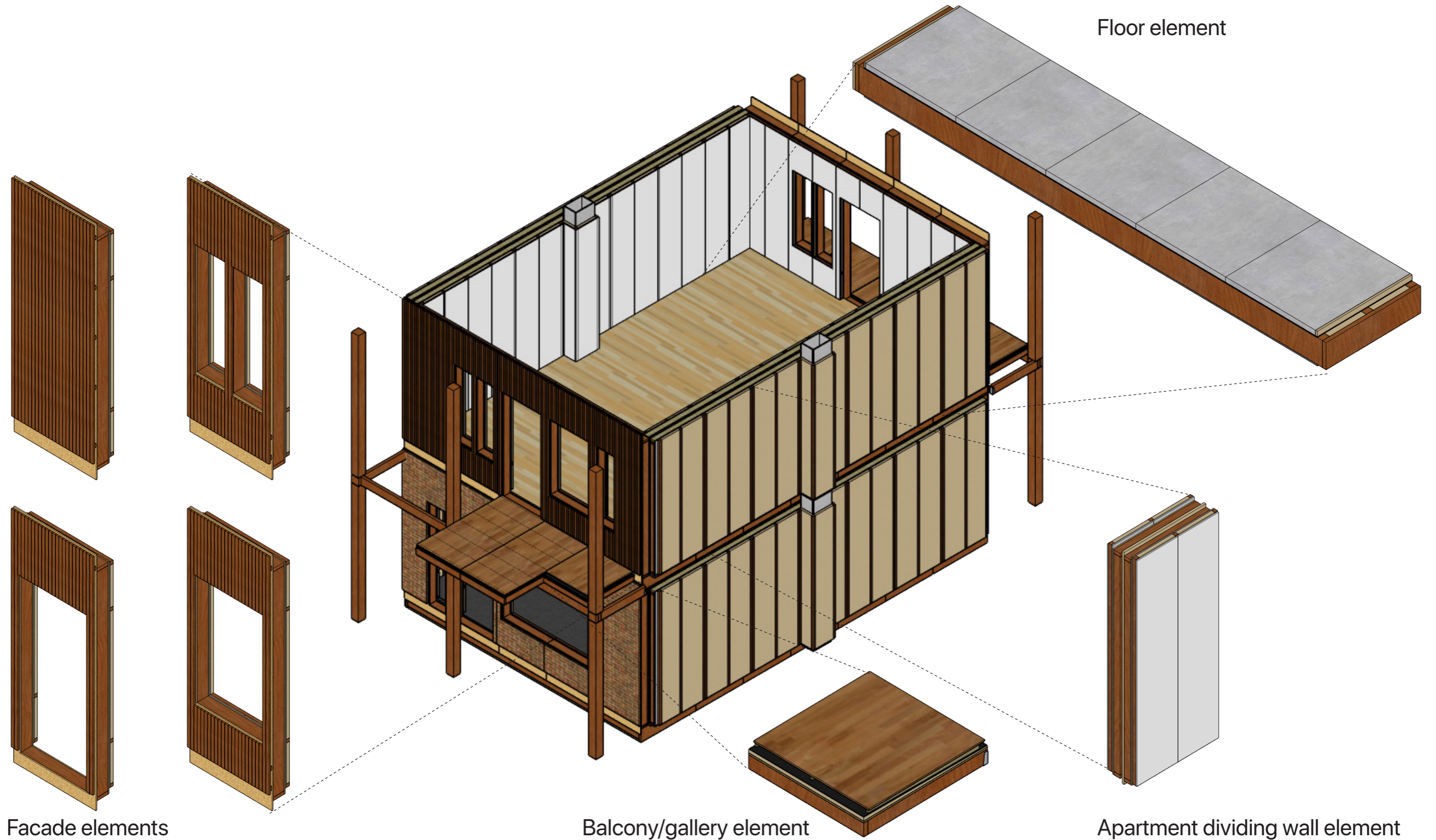


PURE LIGHT TIMBER FRAME SYSTEM WITH UNIVERSAL, INTERCHANGABLE ELEMENTS

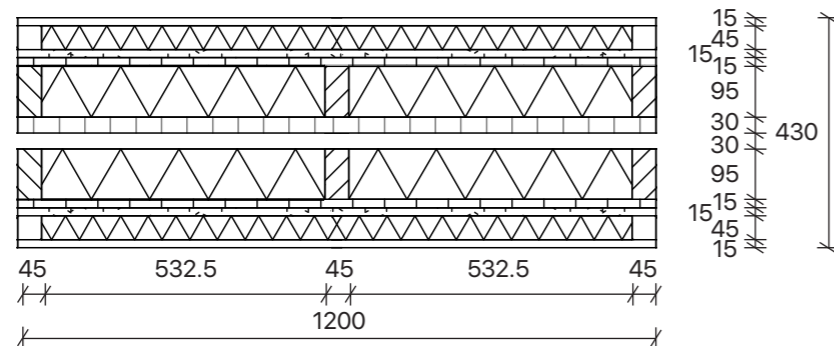
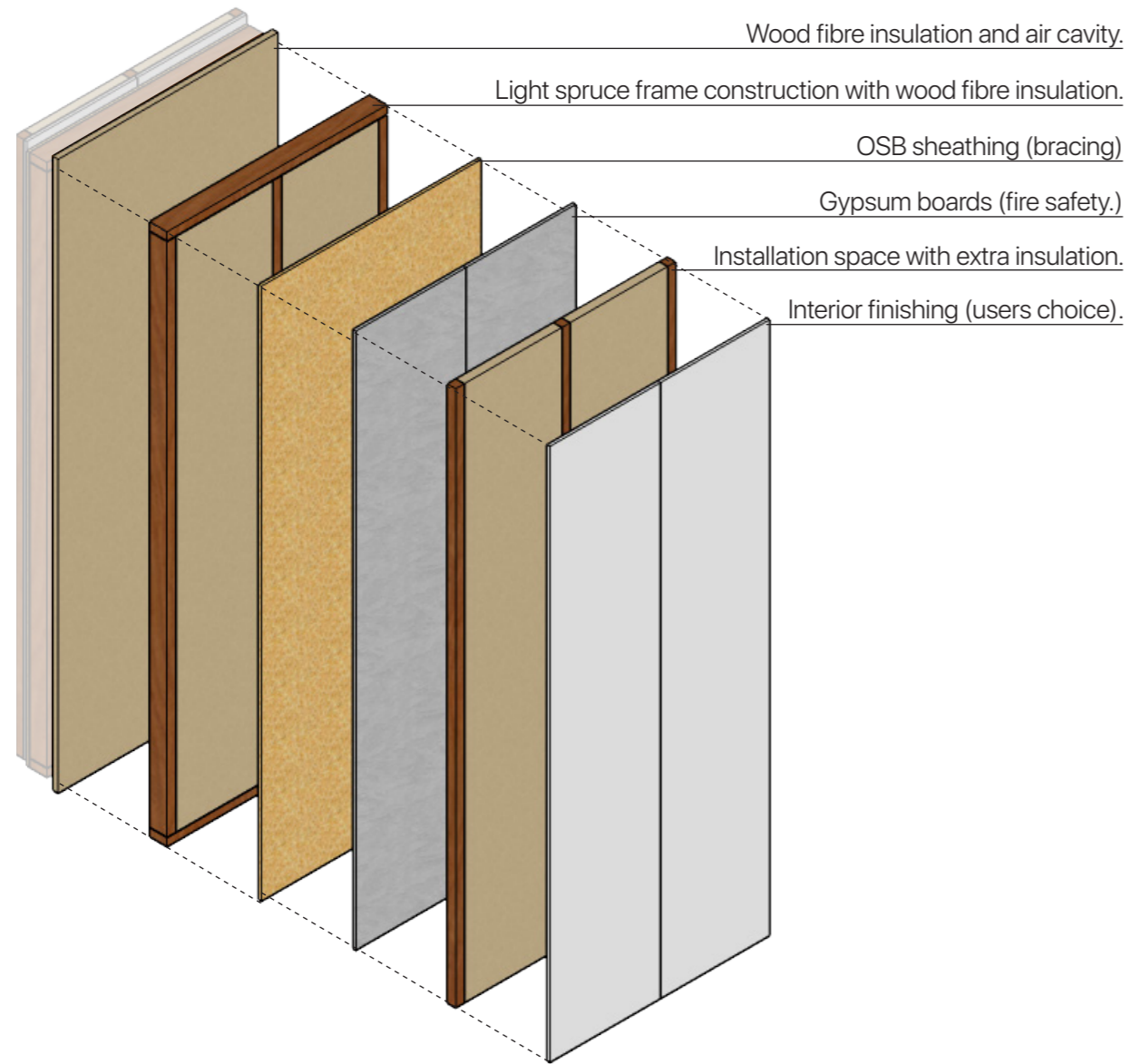


Facade elements

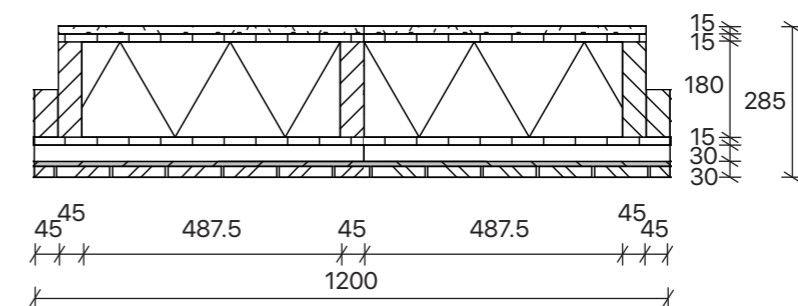
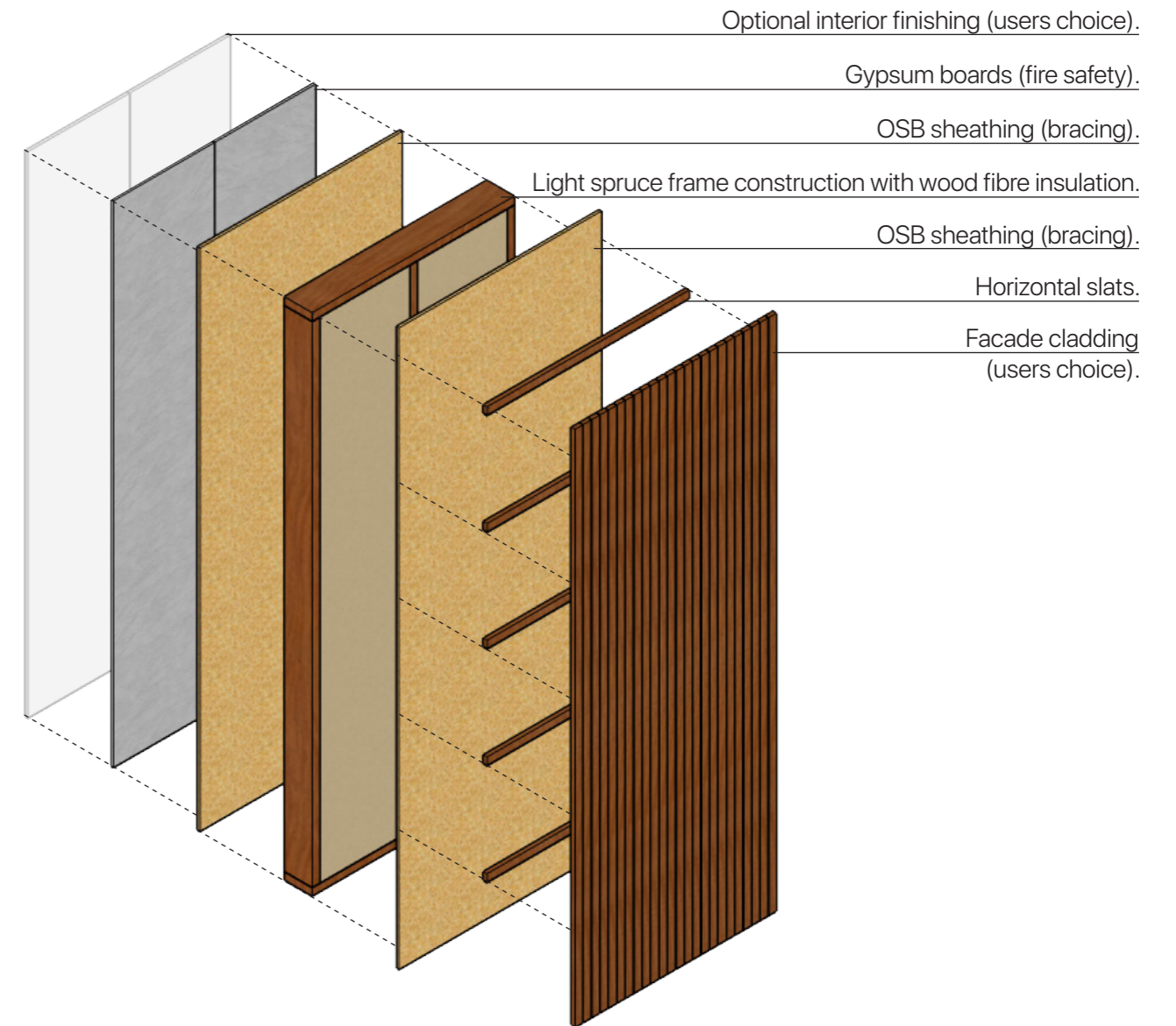
Balcony/gallery element

Apartment dividing wall element

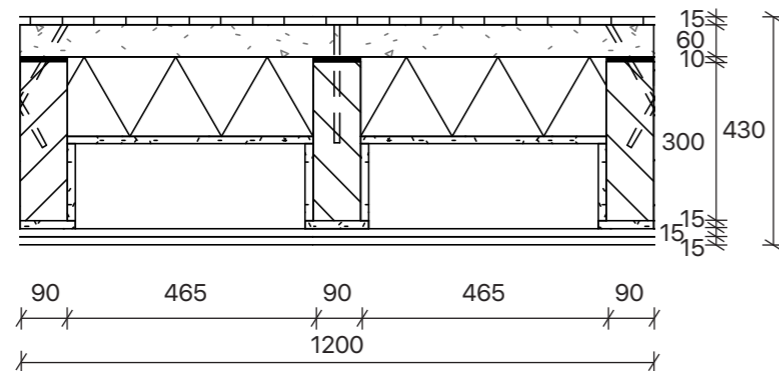
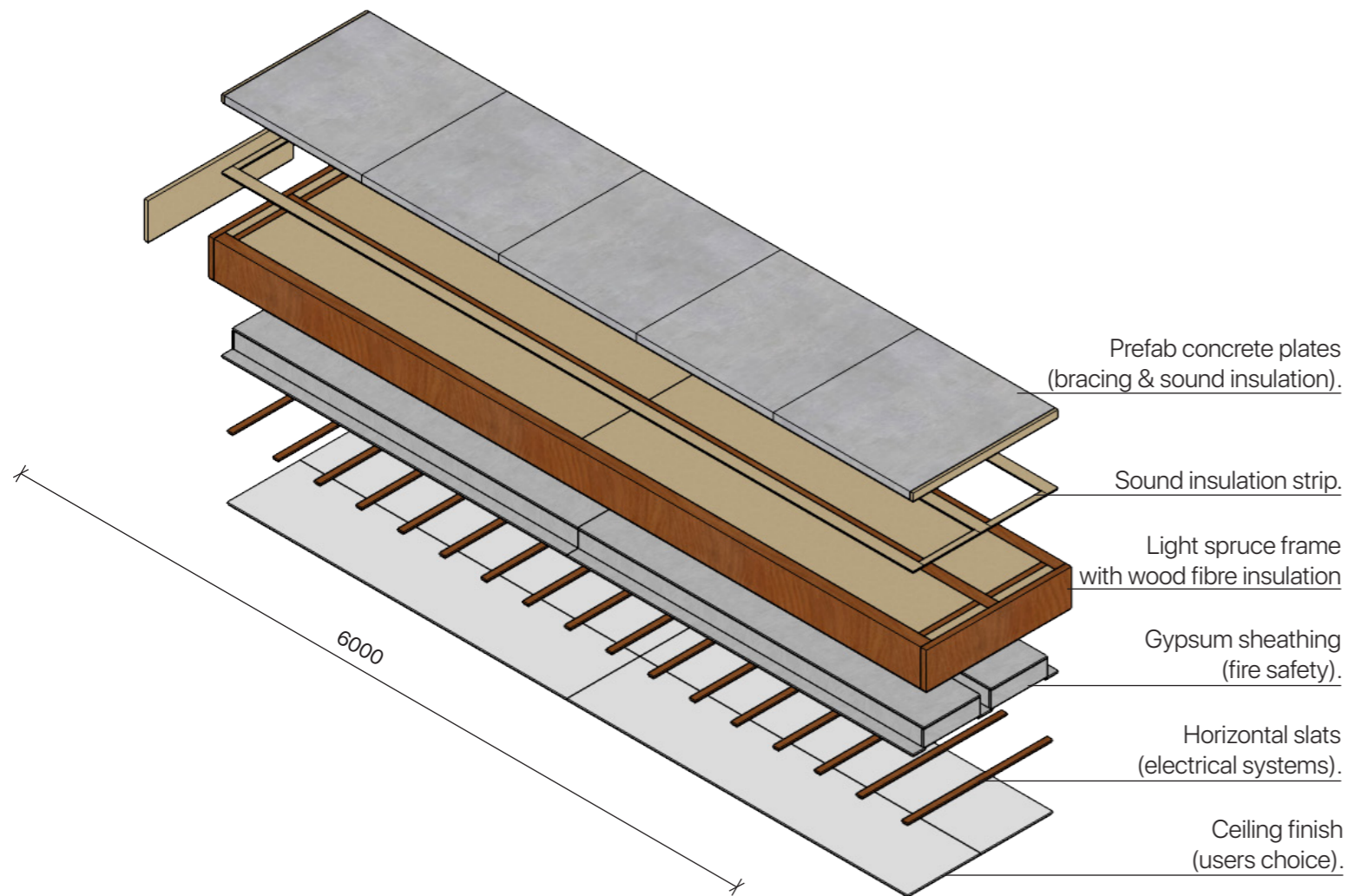
APARTMENT DIVIDING WALL ELEMENT



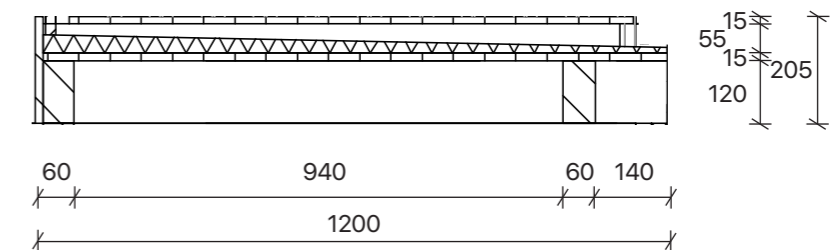
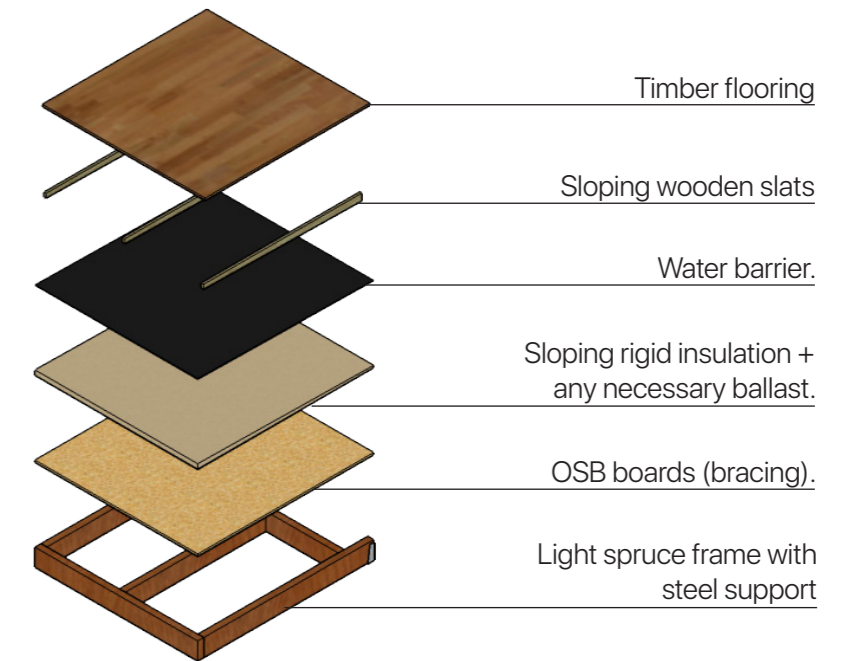
FACADE ELEMENT



FLOOR ELEMENT

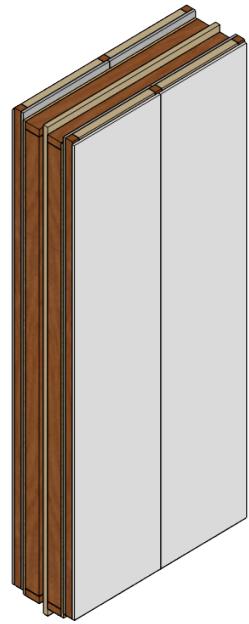


BALCONY/GALLERY ELEMENT

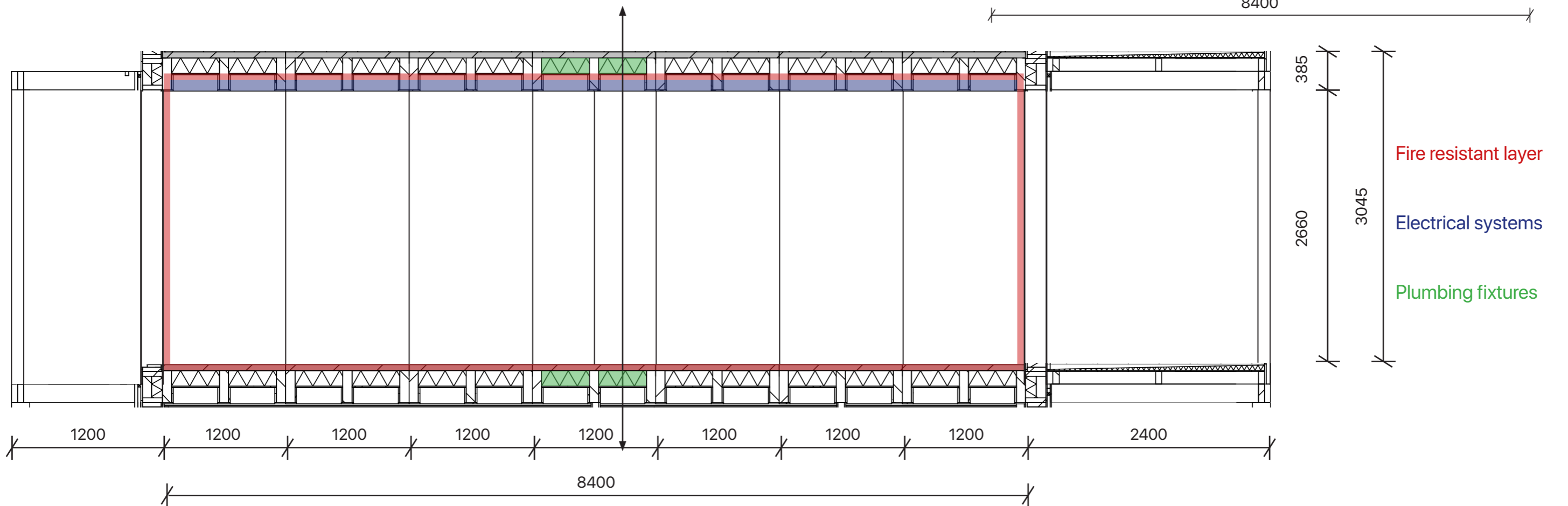
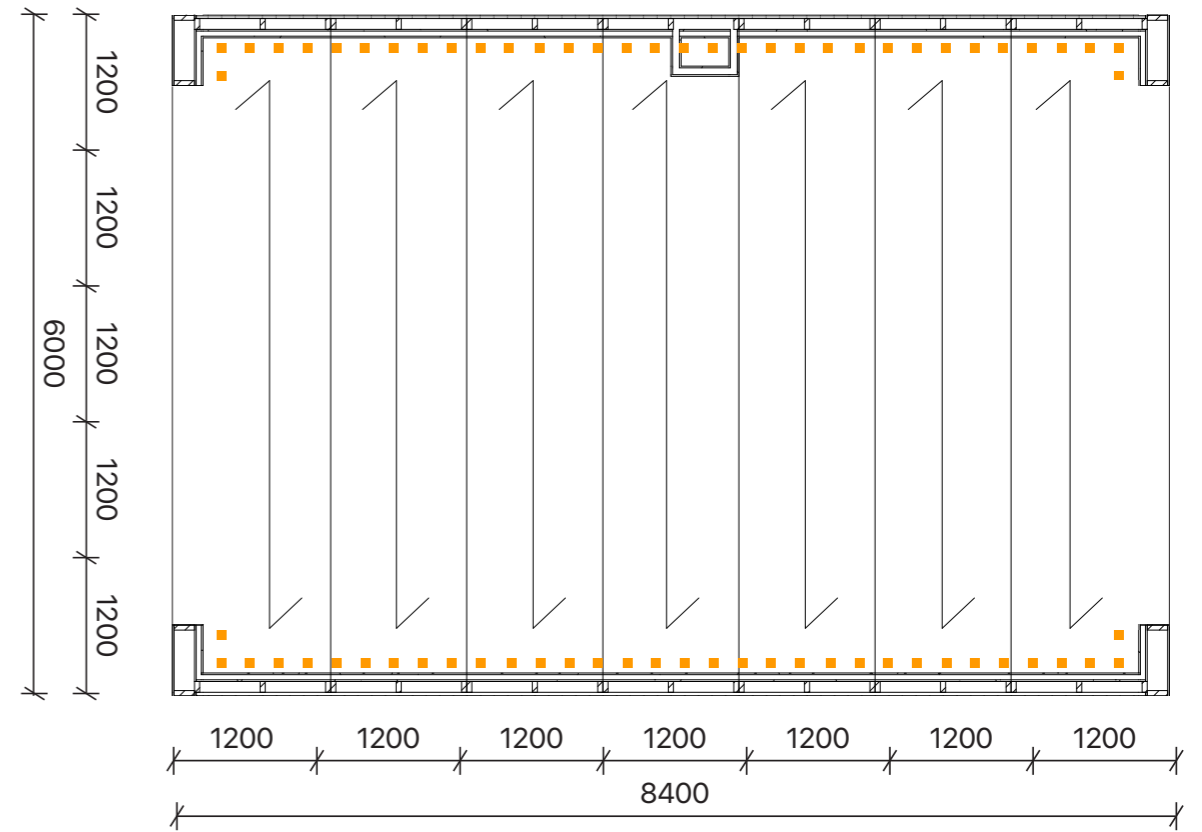
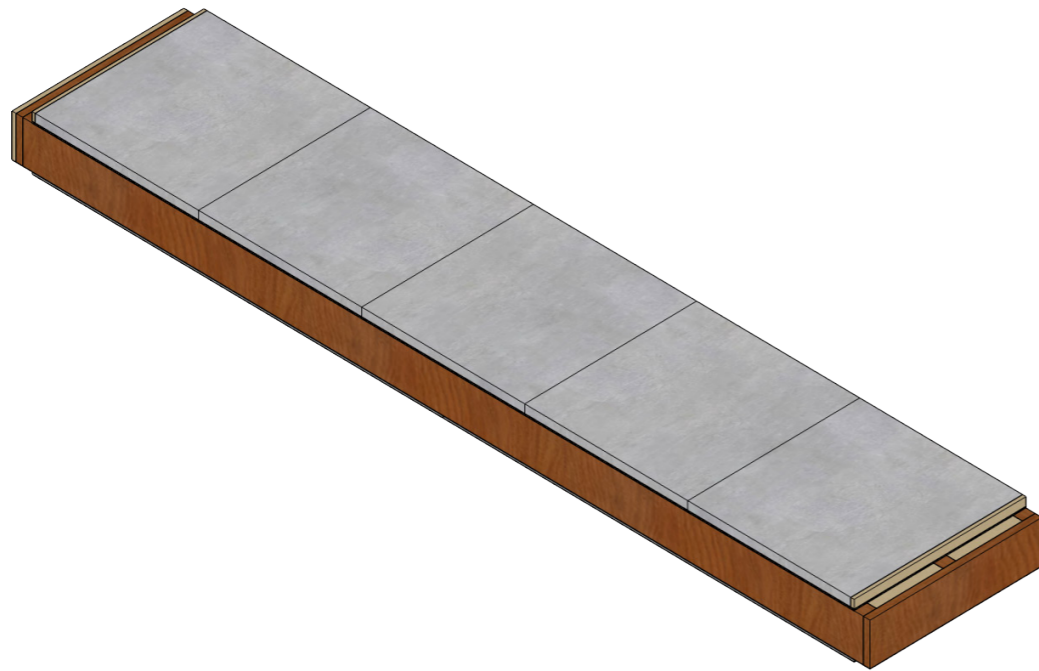


FIXED STRUCTURE

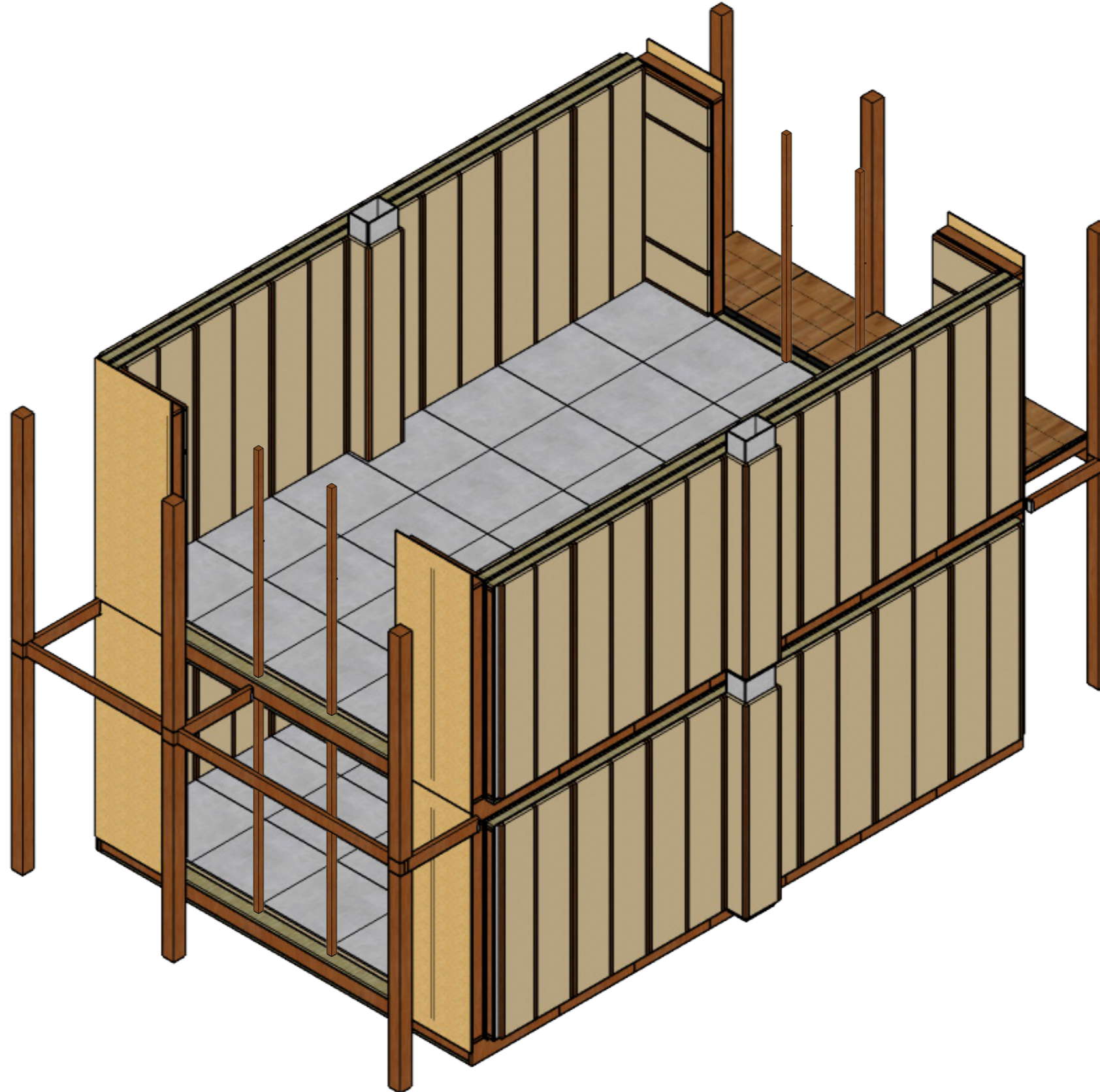
Apartment dividing wall elements.



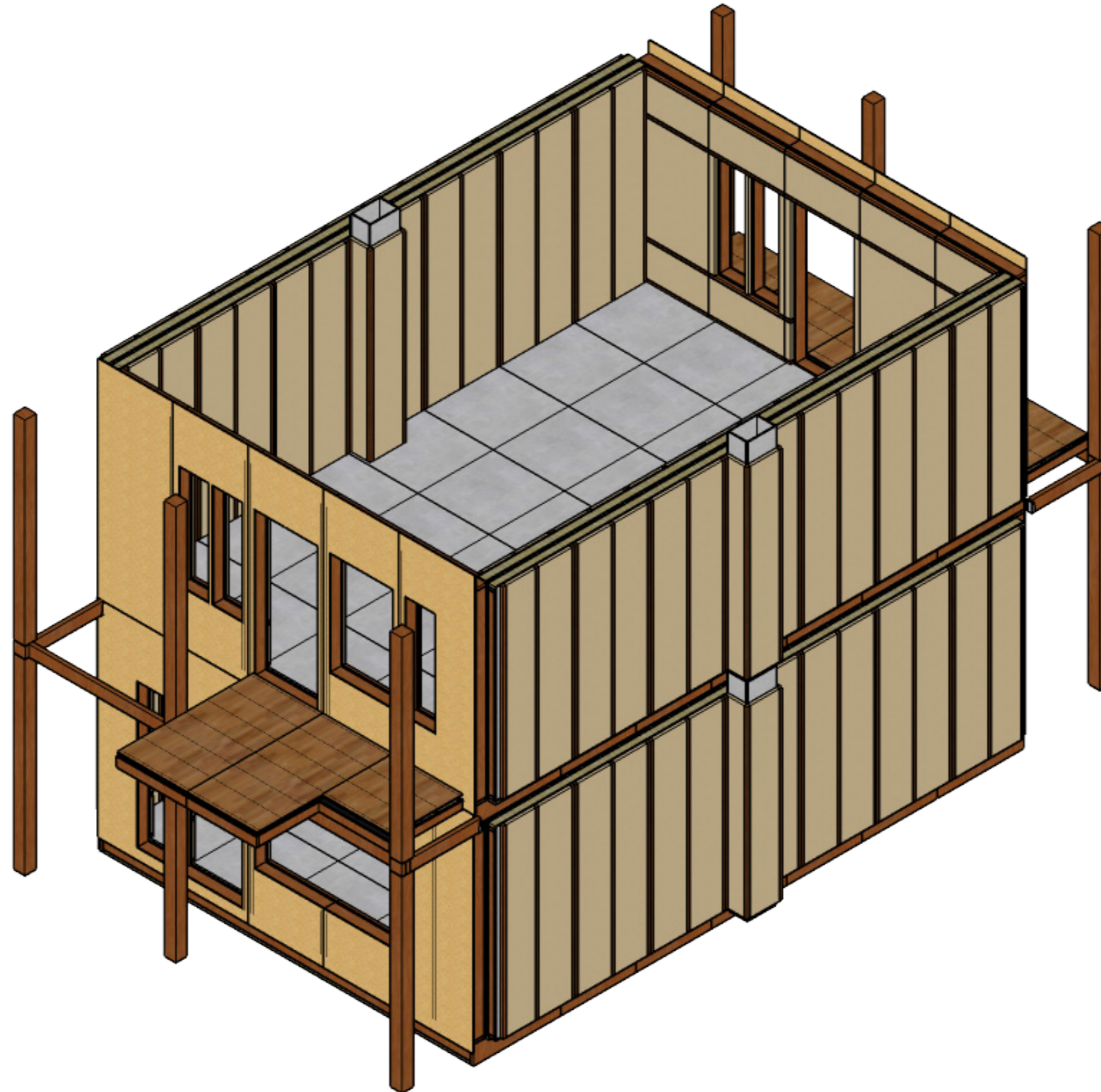
Floor elements



FIXED STRUCTURE



CHOICE IN BALCONY & FACADE OPENINGS



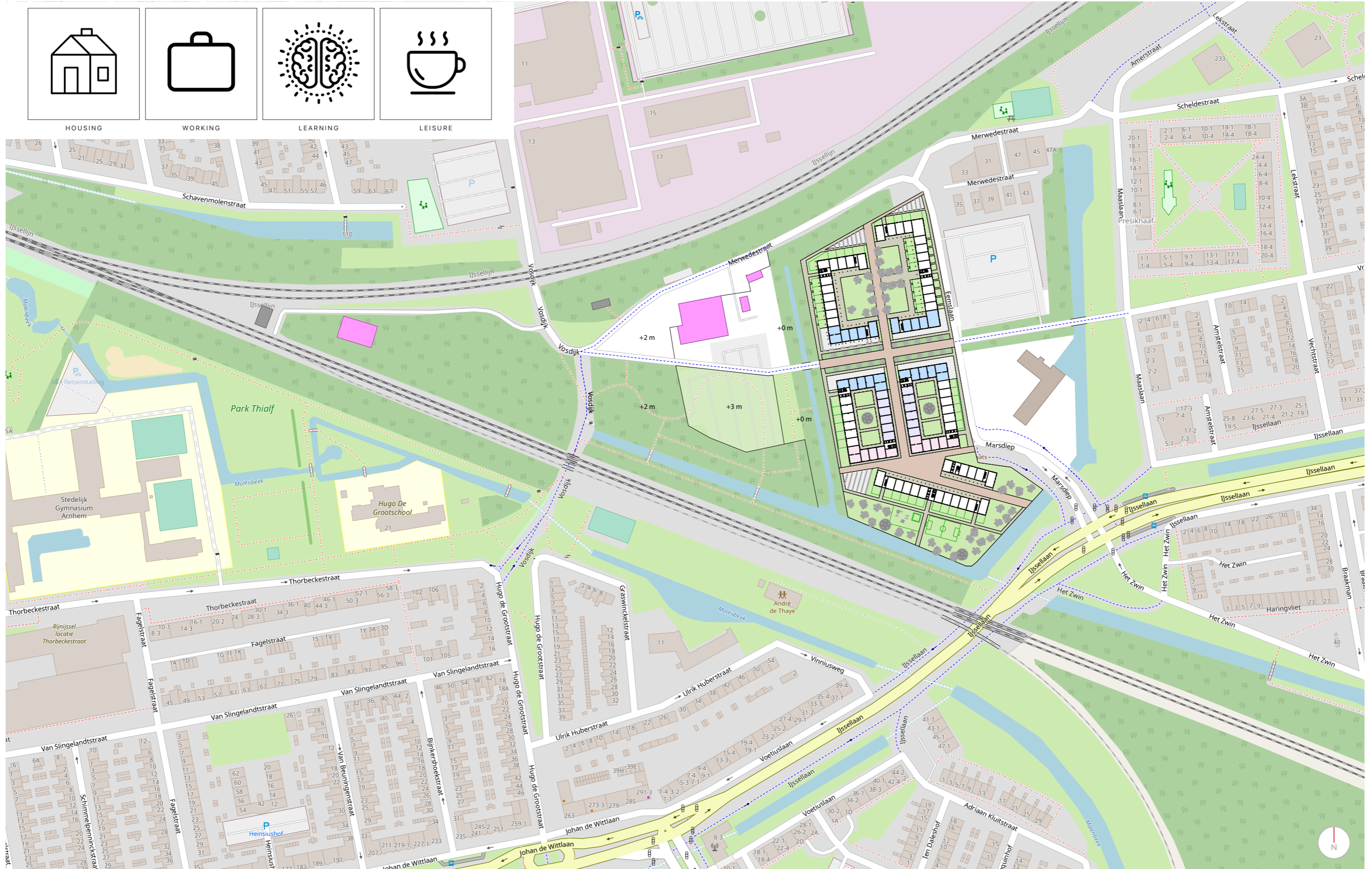
CHOICE IN FINISHING

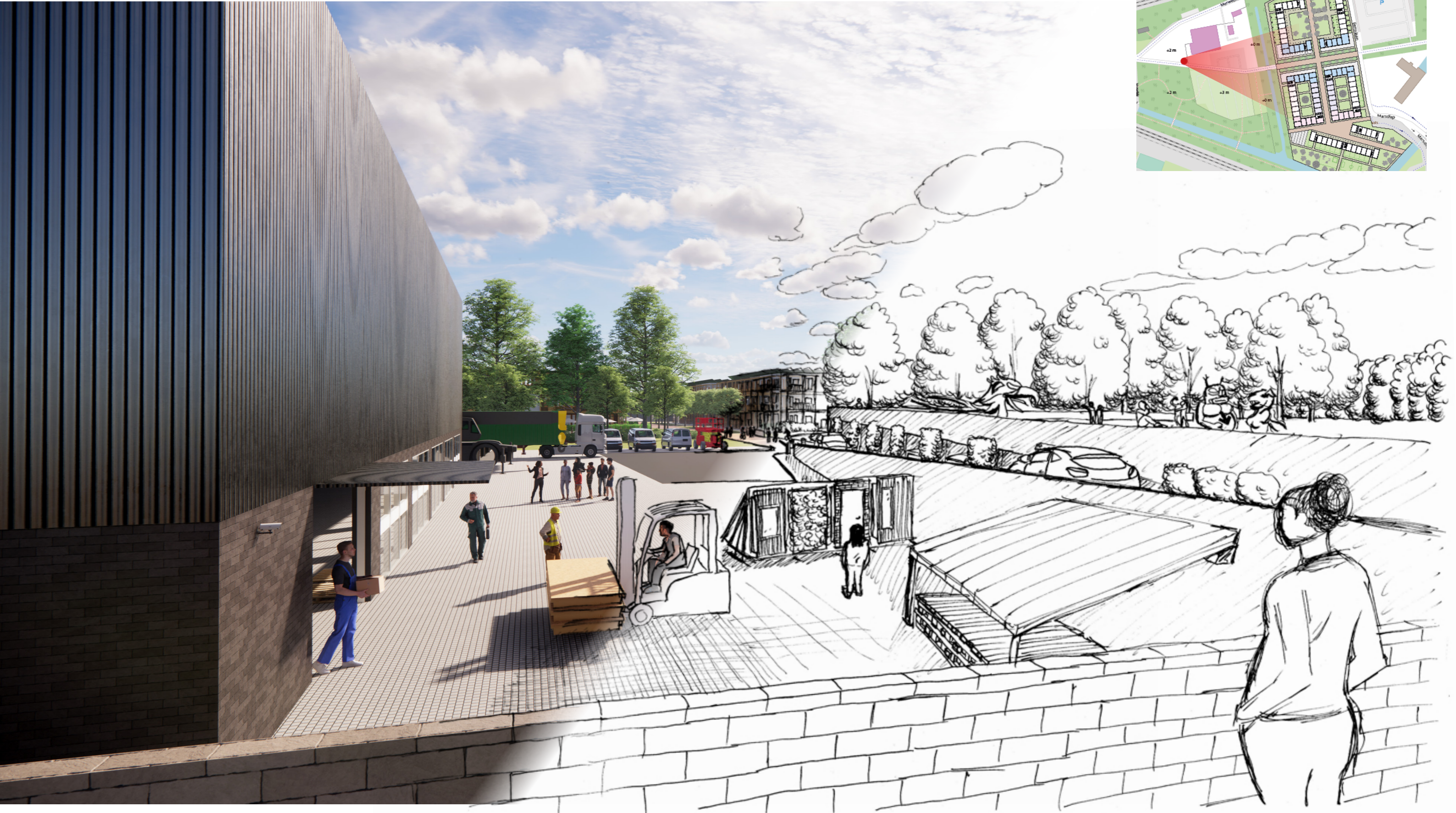


CATALOGUE FACADE ELEMENTS

		1 small	1 small tall	2 small	2 small tall	1 big	1 big tall / door	1 big double	1 big tall double / double door	Cross section	Costs	Sustainability
Wooden cladding											Thermo pine: ± €35,-/m ² ± 15-25 yr. Accoya: ± €75,-/m ² ± 50 yr. Hardwood: ± €50-150,-/m ² ± 15-25 yr.	<ul style="list-style-type: none"> • Quick regrowth. • Steam & heat for treatment. • Longest lifespan. • Chemical treatment. • No treatment needed.
Brick strips											± €150-200,-/m ² ± 60-100 yr.	<ul style="list-style-type: none"> • Used bricks on site can be recycled. • Longest life span. • Little to no maintenance.
Green facade											± €400-600,-/m ² ± 15-25 yr.	Sempergreenwall®: <ul style="list-style-type: none"> • C2C Bronze. • 2.3kg Co₂ > 1.7kg O₂/m²/yr. • Lowers temp. (3°C). • Reduces ambient noise. • Positive health effects. • Biodiversity (shrubs, perennials & ferns).

LOW-TECH ON URBAN SCALE



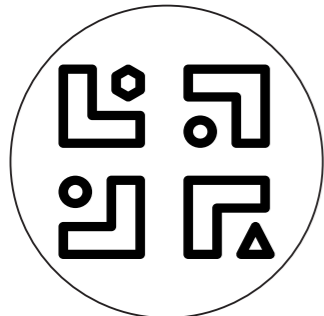


SIMPLICITY

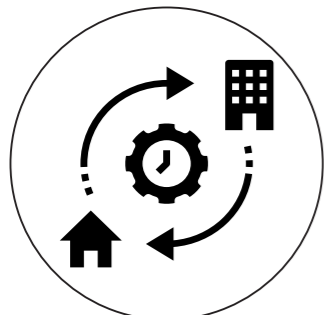
RATIONALITY

LOCALITY

HUMAN SCALE



Diversity



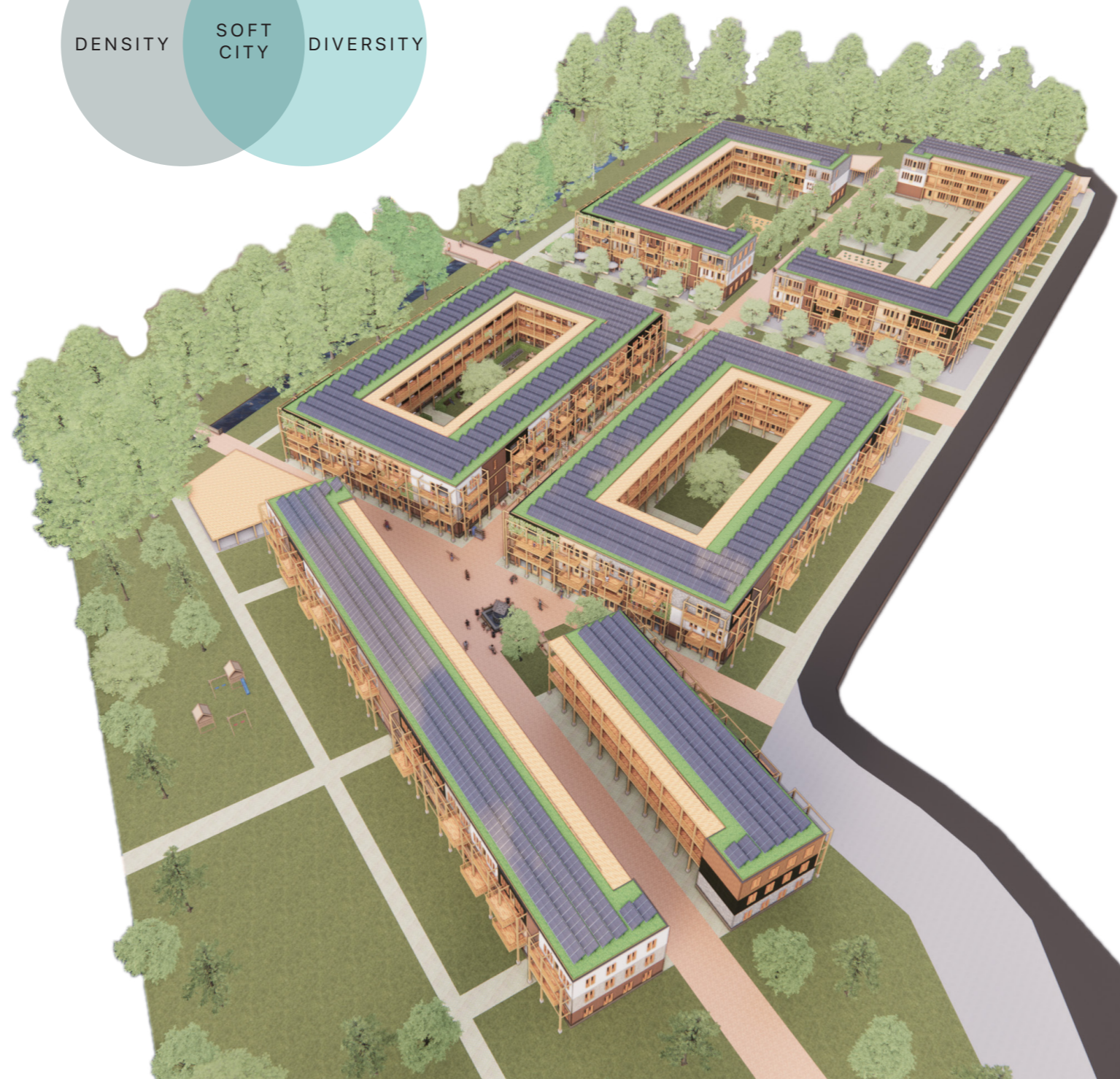
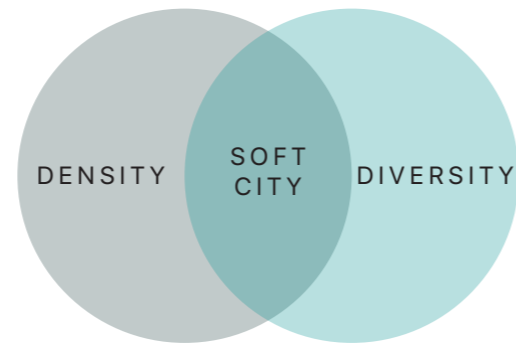
Flexibility



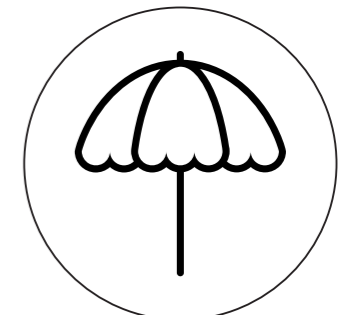
Human scale



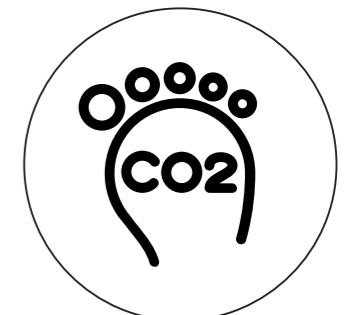
Walkability



Control & Identity



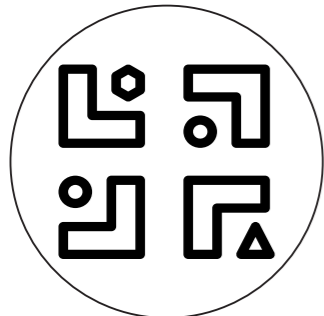
Pleasant micro climate



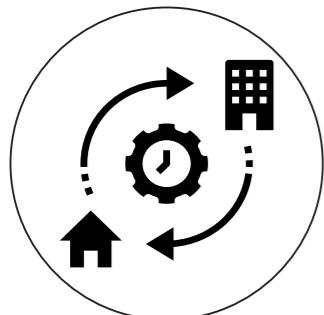
Smaller carbon footprint



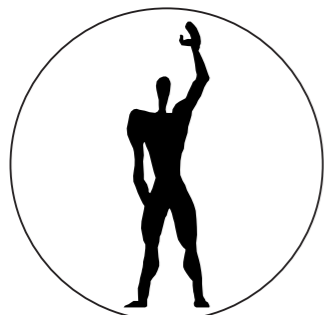
Biodiversity



Diversity



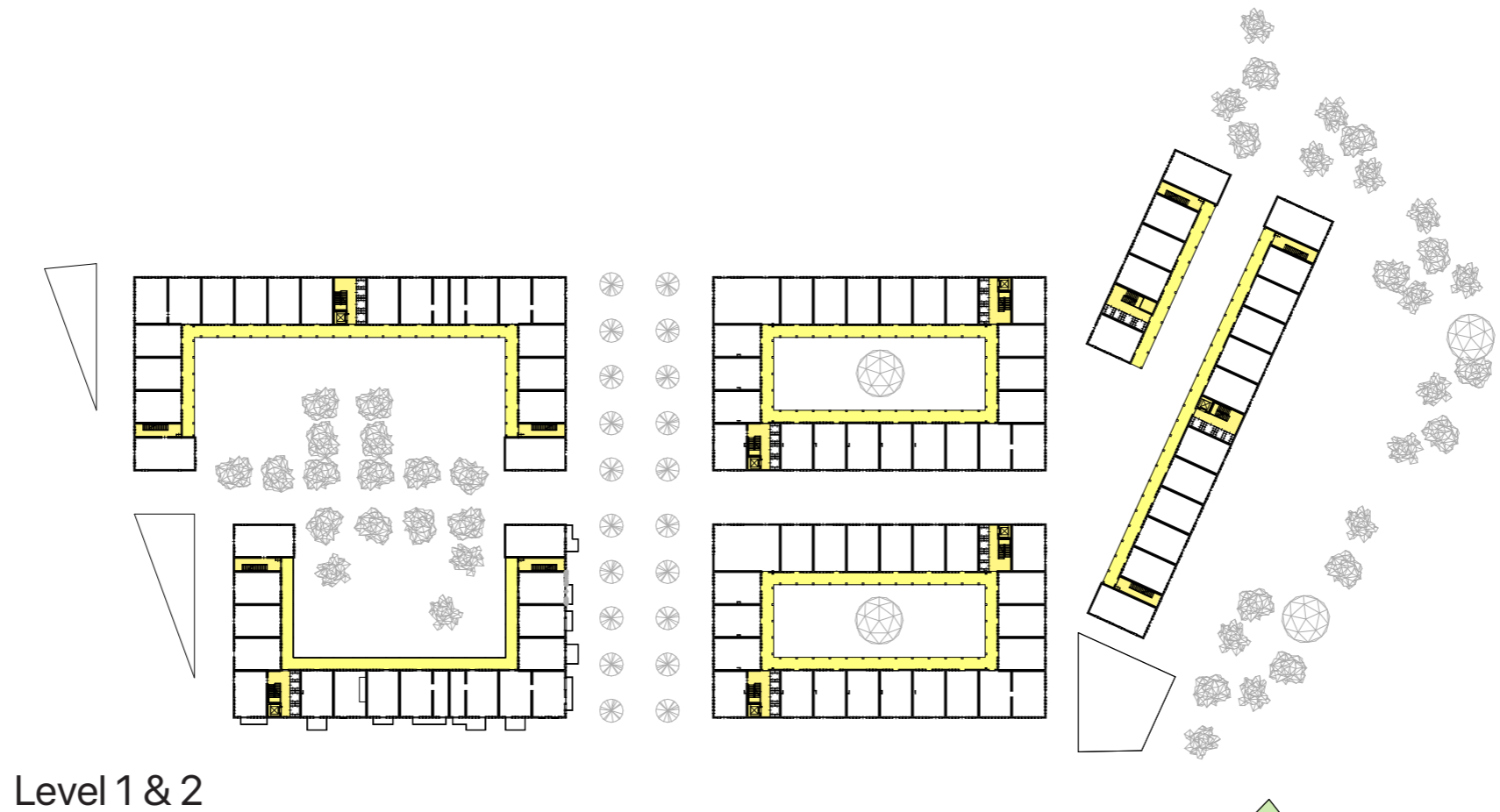
Flexibility



Human scale



Walkability



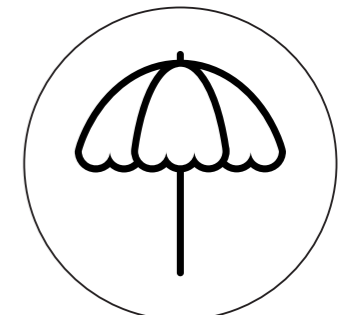
Level 1 & 2



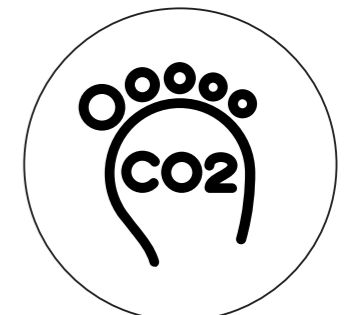
Ground floor



Control & Identity



Pleasant micro climate



Smaller carbon footprint



Biodiversity



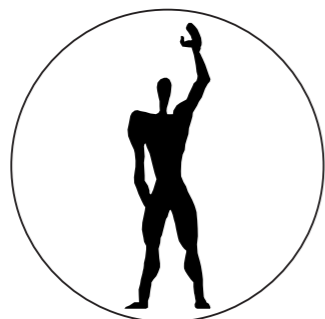
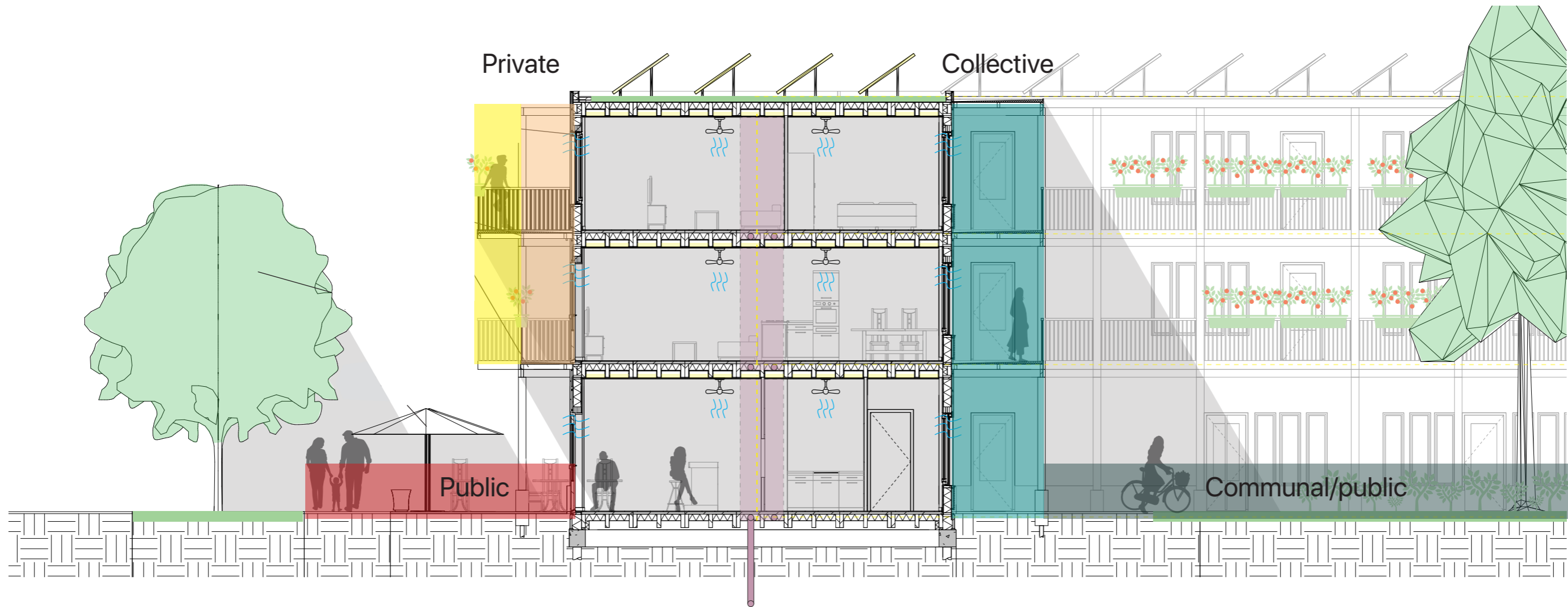








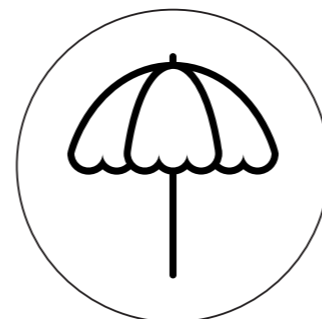
HIERARCHY OF OUTSIDE SPACE



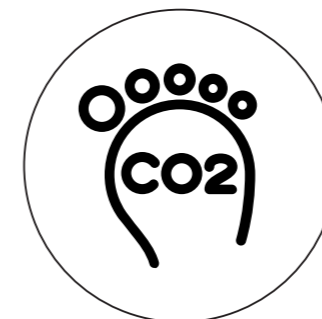
Human scale



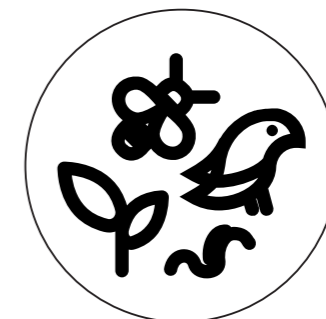
Control & Identity



Pleasant micro climate



Smaller carbon footprint



Biodiversity

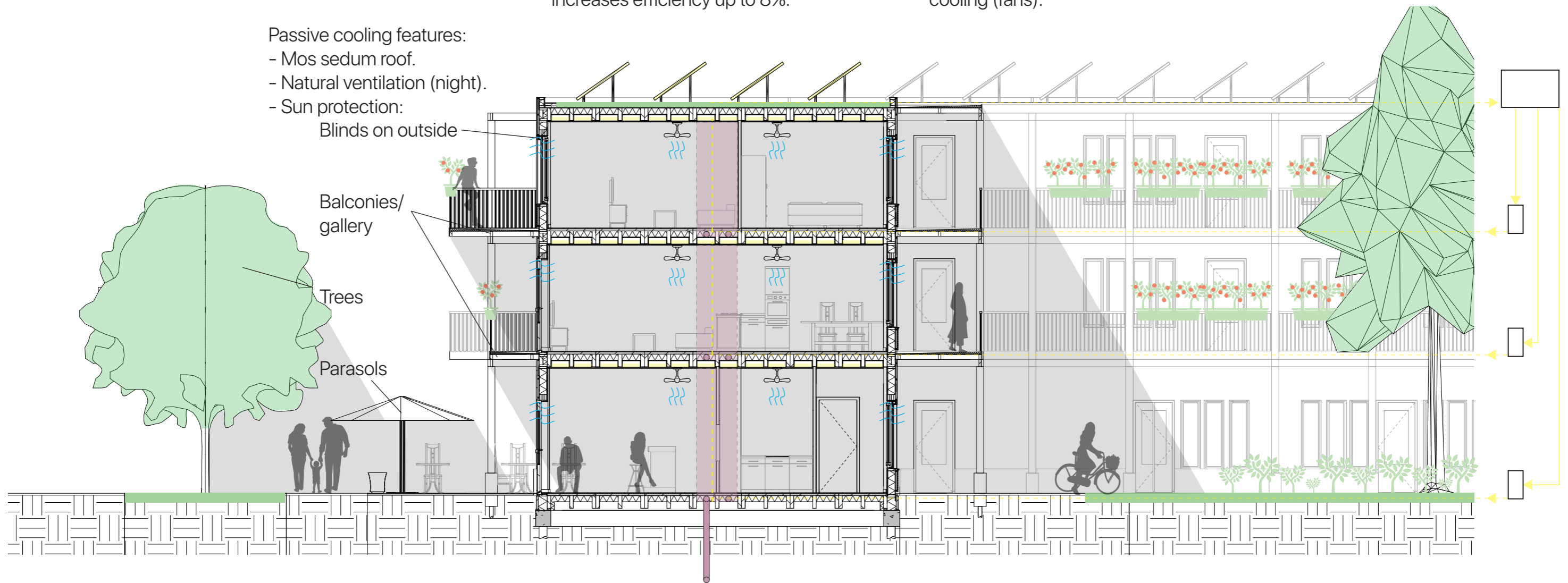
CLIMATE DESIGN SUMMER

75% of roof area used for solar panels.
Cooling effect of mos sedum roof increases efficiency up to 8%.

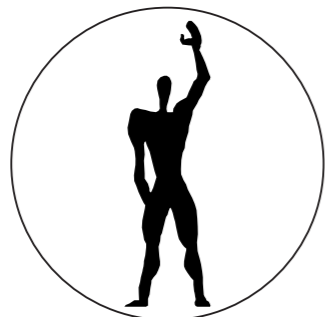
Electricity used for both necessary heating (infrared panels) and cooling (fans).

Centralized energy storage and fuse boxes

- Passive cooling features:
- Mos sedum roof.
 - Natural ventilation (night).
 - Sun protection: Blinds on outside



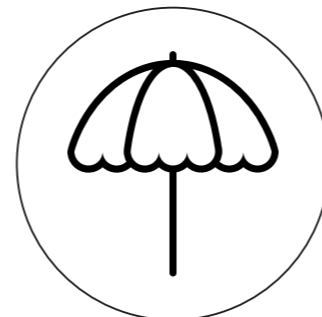
Sewage system zoned in the centre of the units.



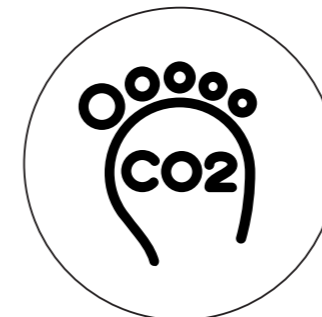
Human scale



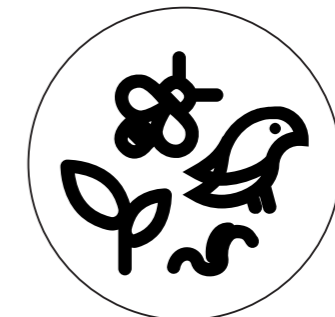
Control & Identity



Pleasant micro climate



Smaller carbon footprint



Biodiversity

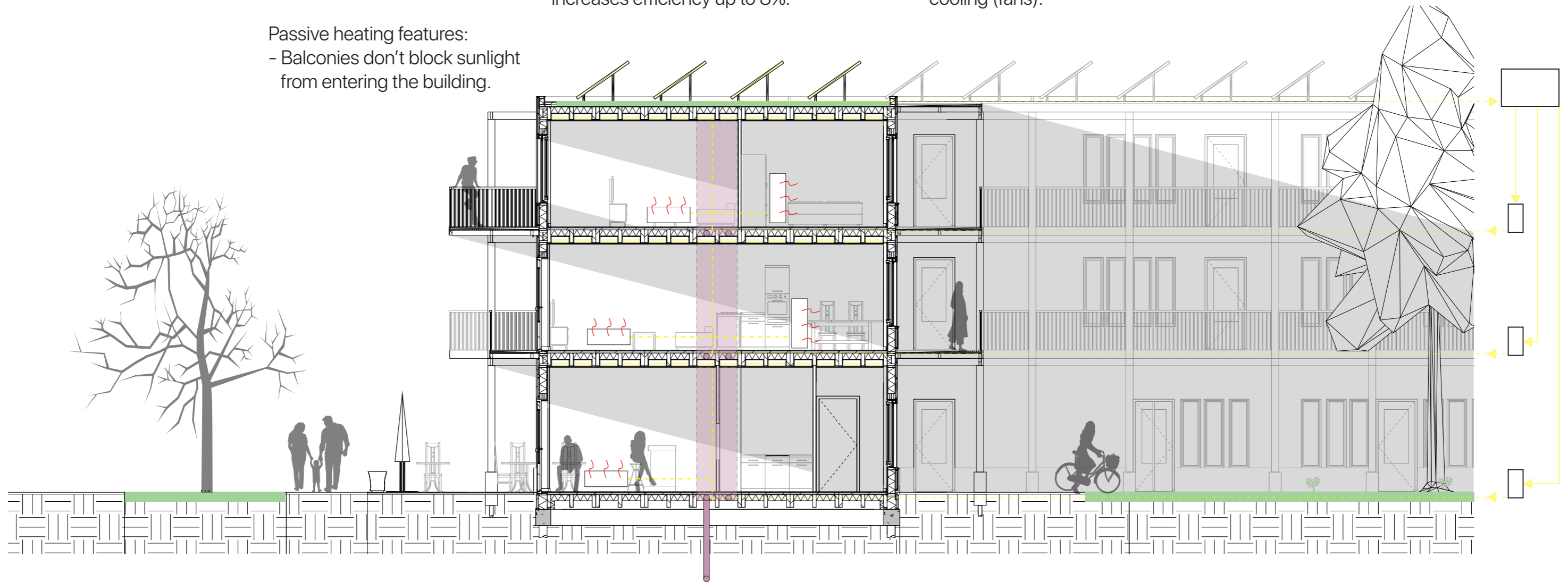
CLIMATE DESIGN WINTER

75% of roof area used for solar panels.
Cooling effect of mos sedum roof increases efficiency up to 8%.

Electricity used for both necessary heating (infrared panels) and cooling (fans).

Centralized energy storage and fuse boxes

Passive heating features:
- Balconies don't block sunlight from entering the building.



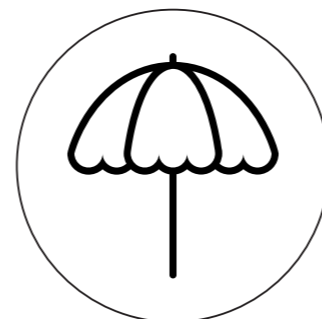
Sewage system zoned in the centre of the units.



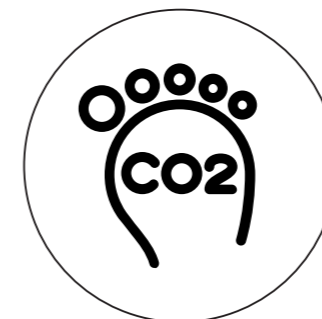
Human scale



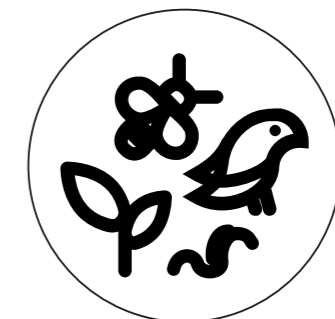
Control & Identity



Pleasant micro climate

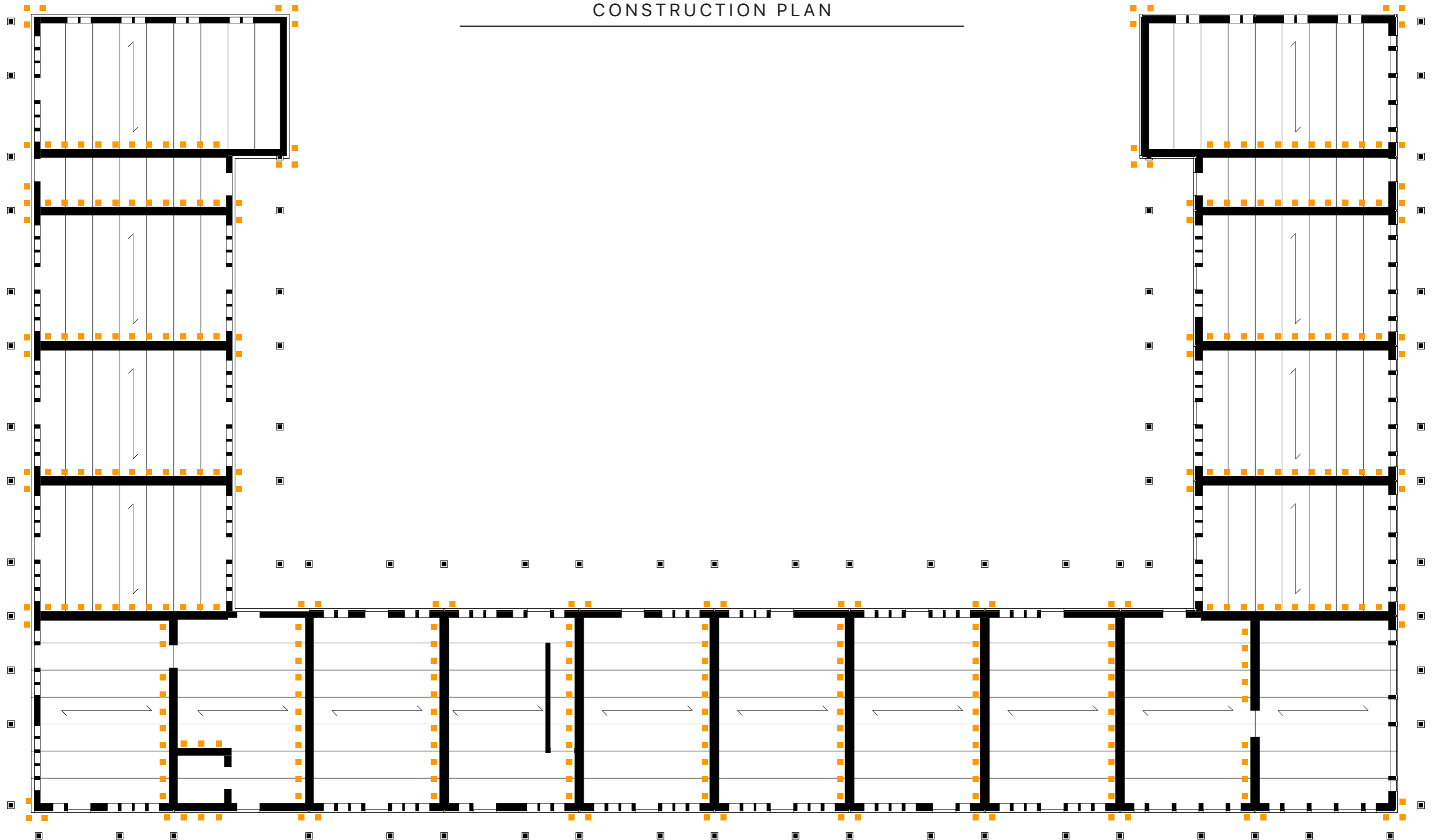


Smaller carbon footprint

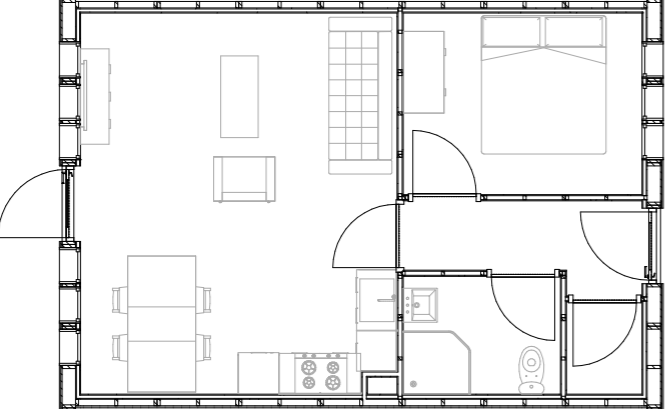
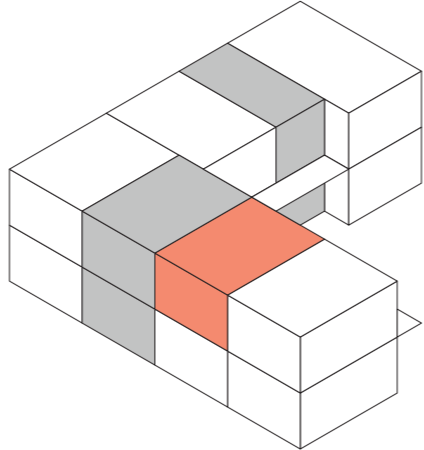
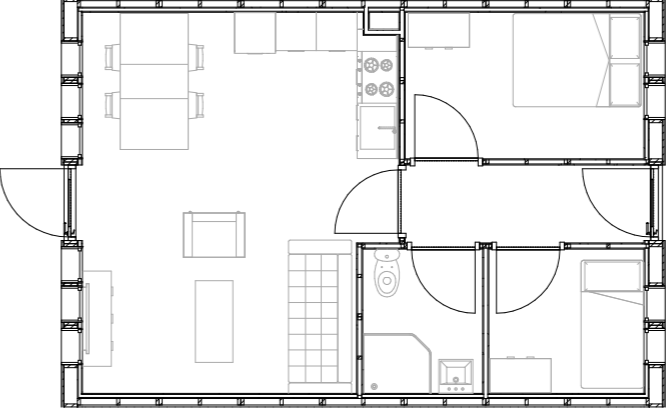
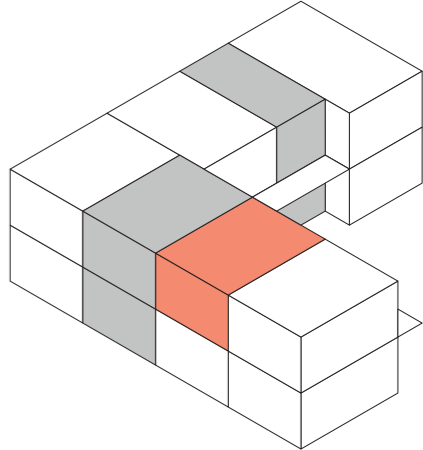
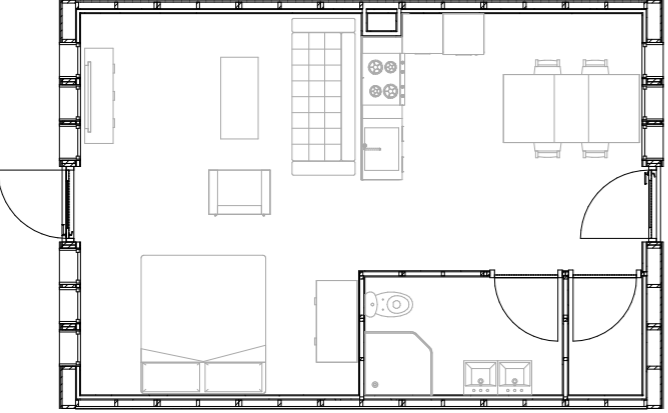
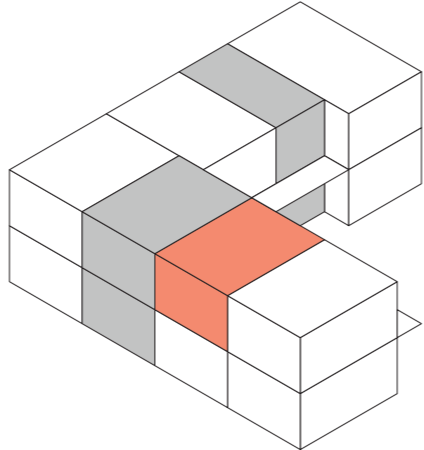
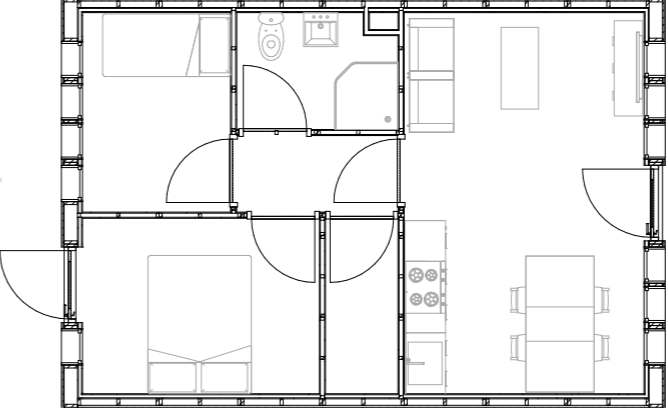
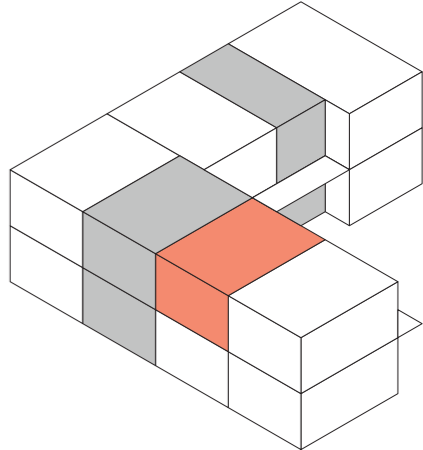
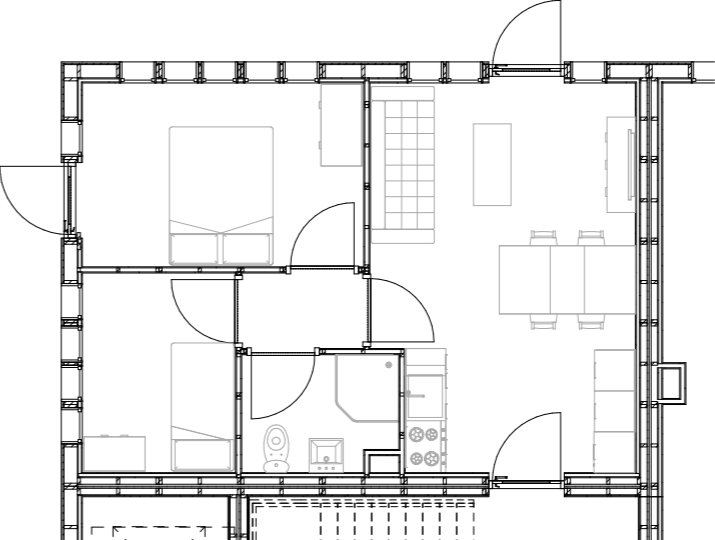
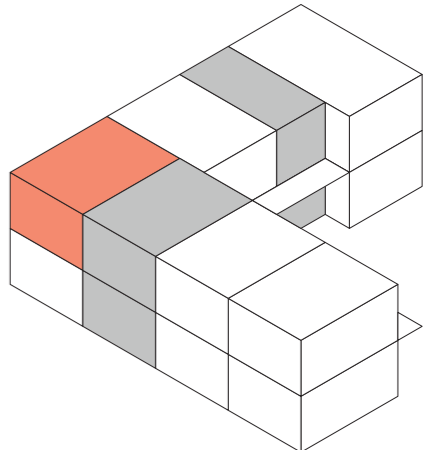


Biodiversity

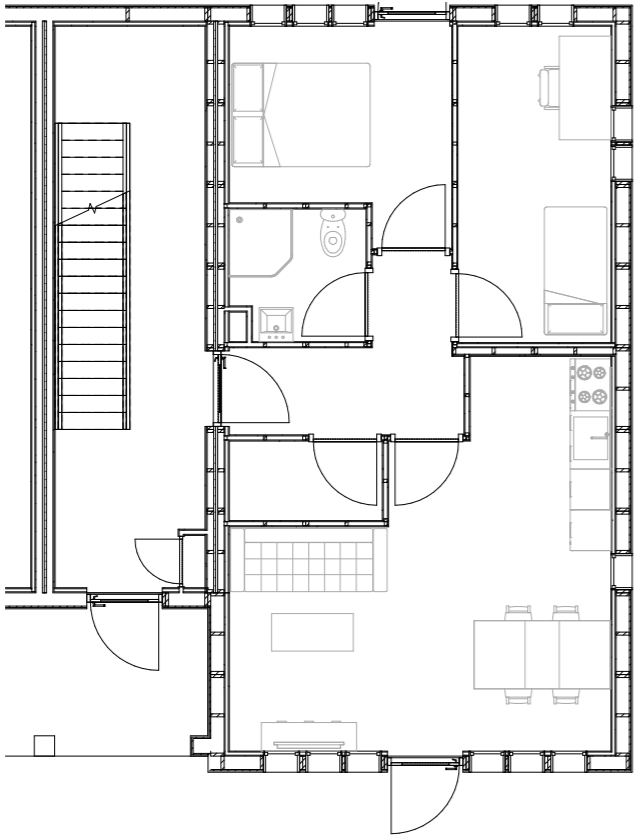
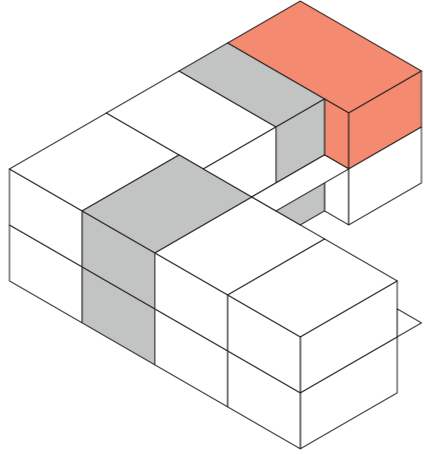
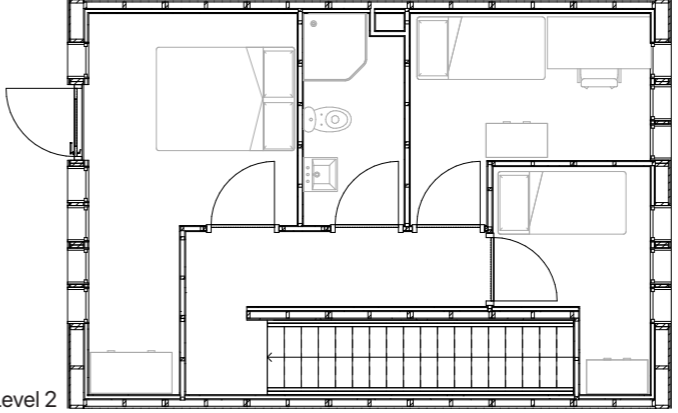
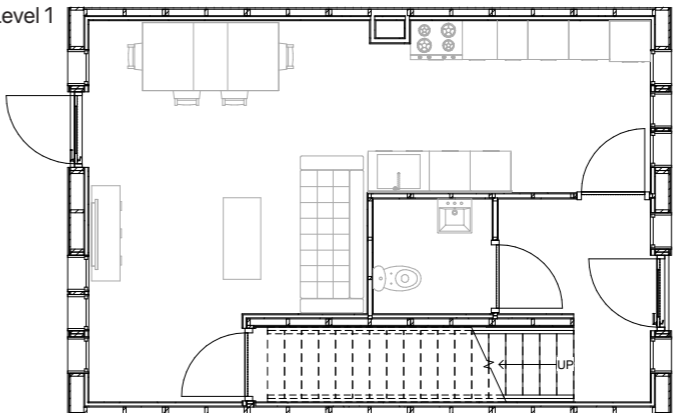
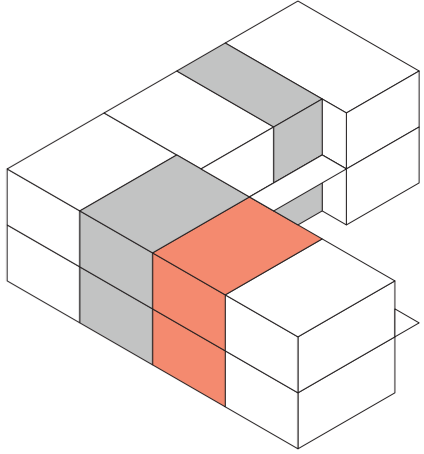
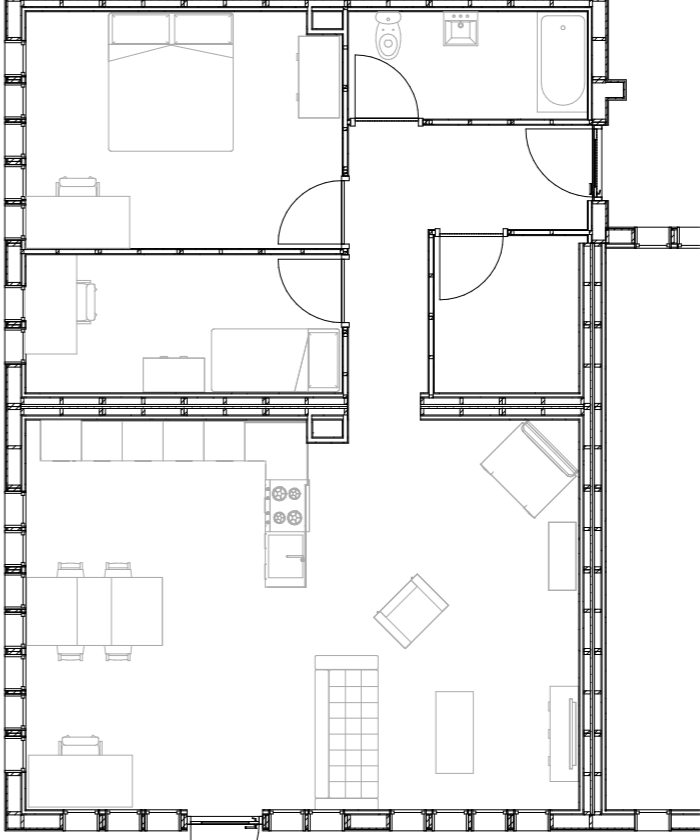
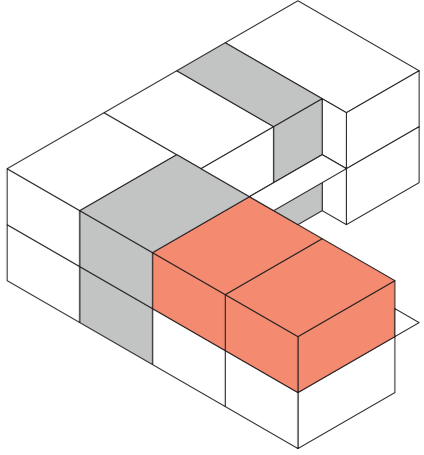
CONSTRUCTION PLAN



CATALOGUE DWELLING TYPOLOGIES

<p>1-bedroom apartment (50m²)</p>			<p>2-bedroom apartment (50m²)</p>		
<p>Studio (50m²)</p>			<p>2-bedroom apartment (50m²)</p>		
			<p>2-bedroom corner apartment (50m²)</p>		

CATALOGUE DWELLING TYPOLOGIES

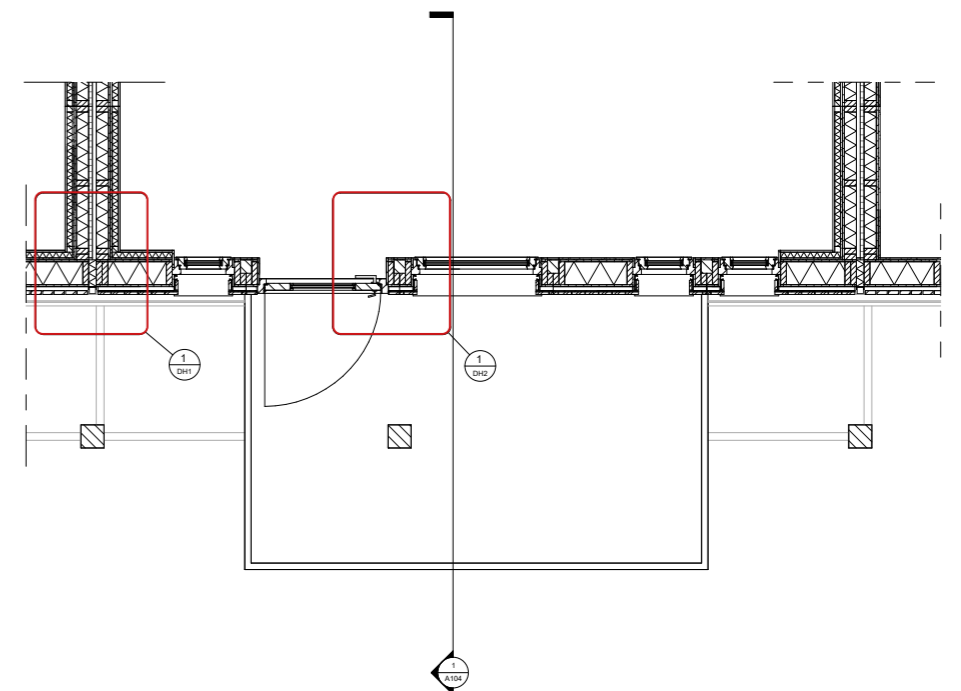
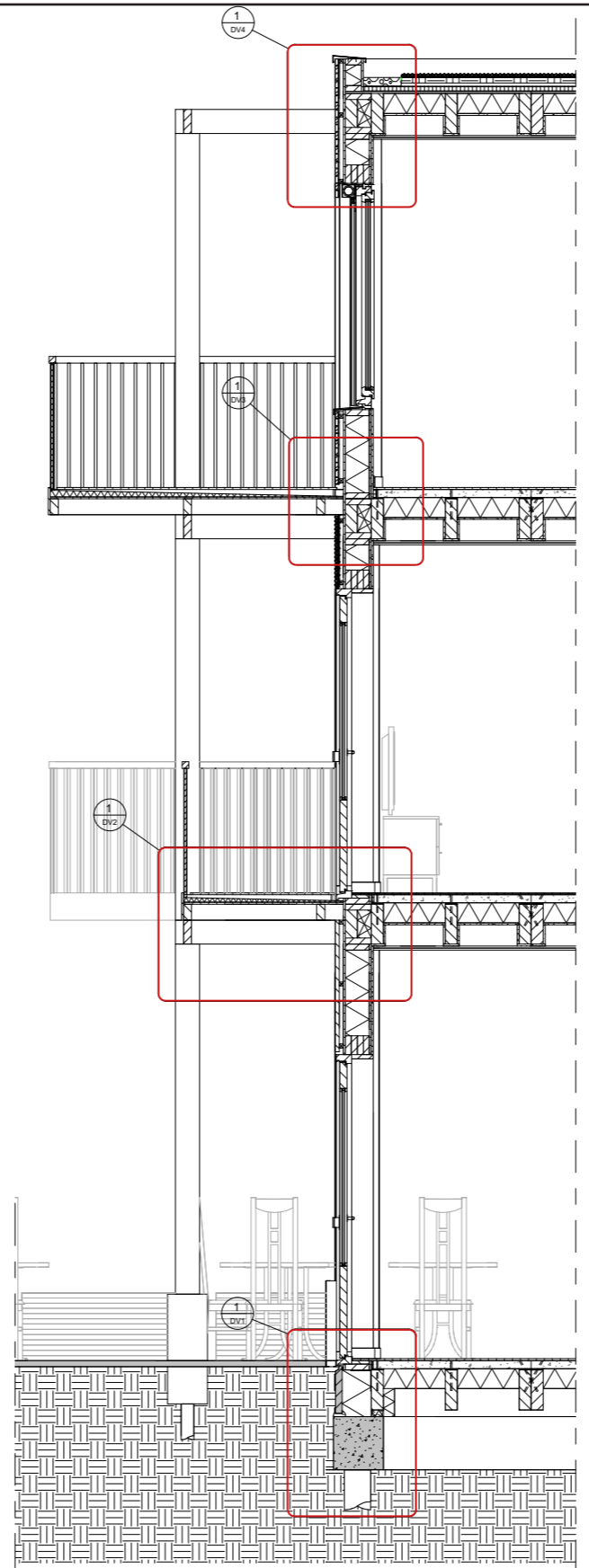
<p>2-bedroom corner apartment (65m²)</p>			<p>3-bedroom maisonette (100m²)</p>	<p>Level 2</p>  <p>Level 1</p> 	
			<p>2-bedroom corner apartment (100m²)</p>		

EXAMPLE OF POSSIBLE OUTCOME (ELEVATION)

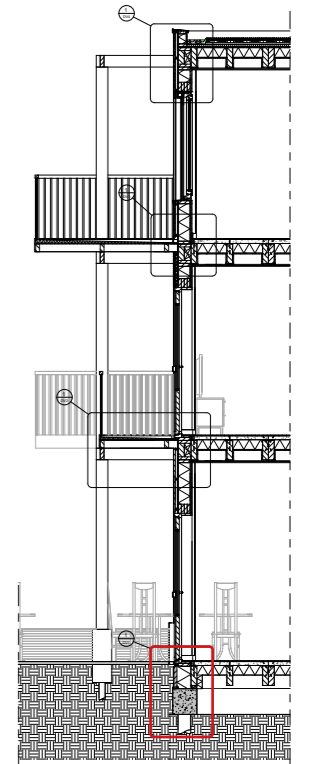
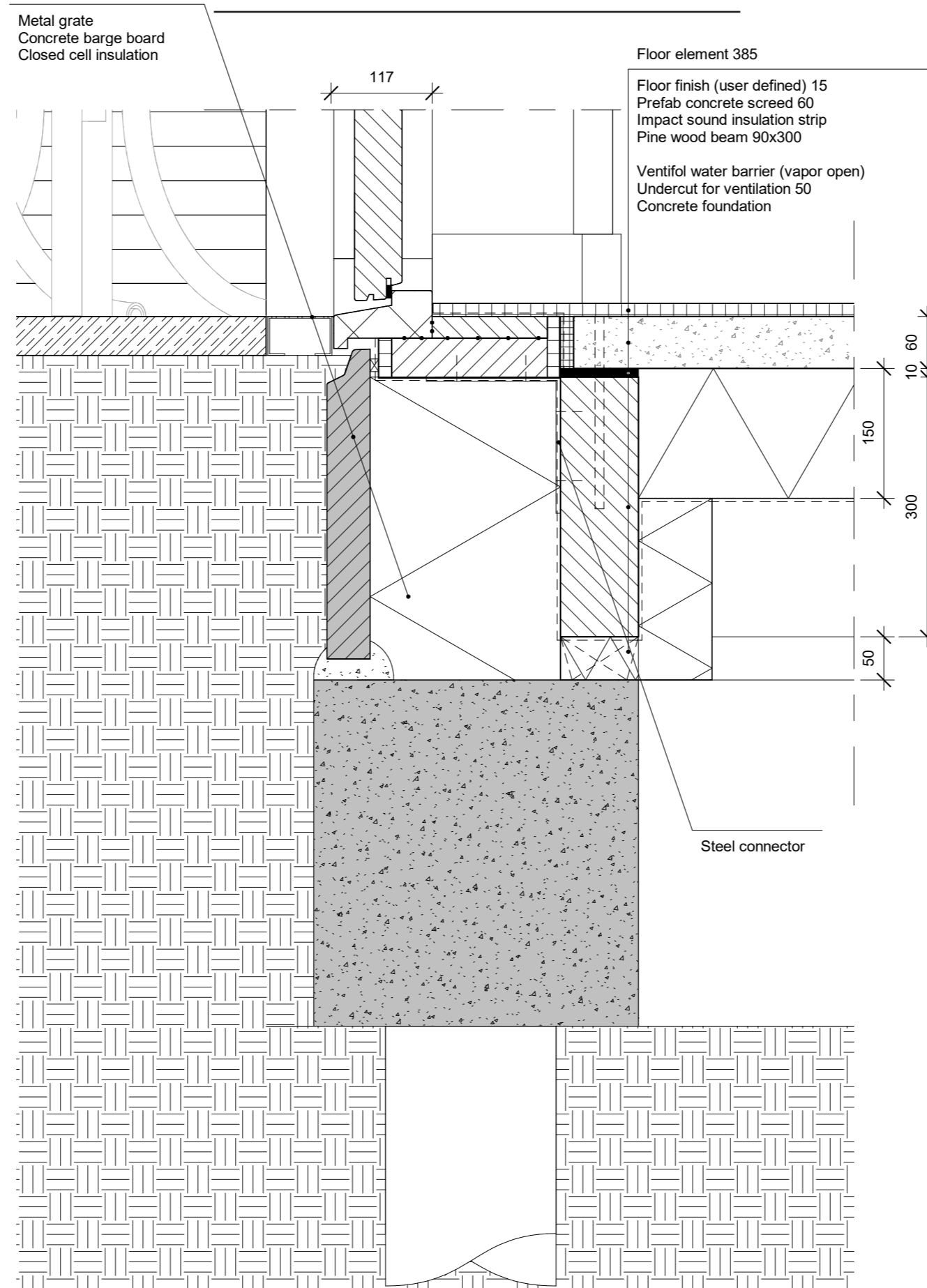




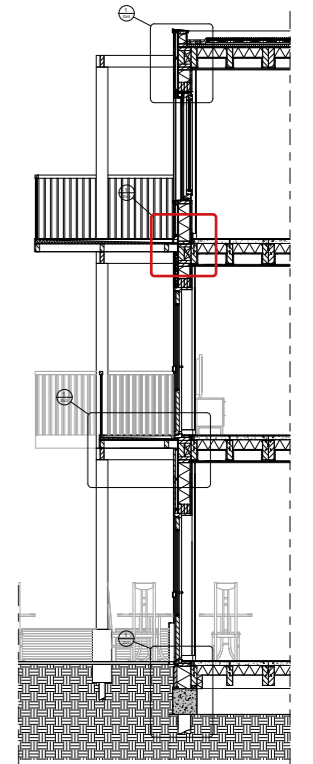
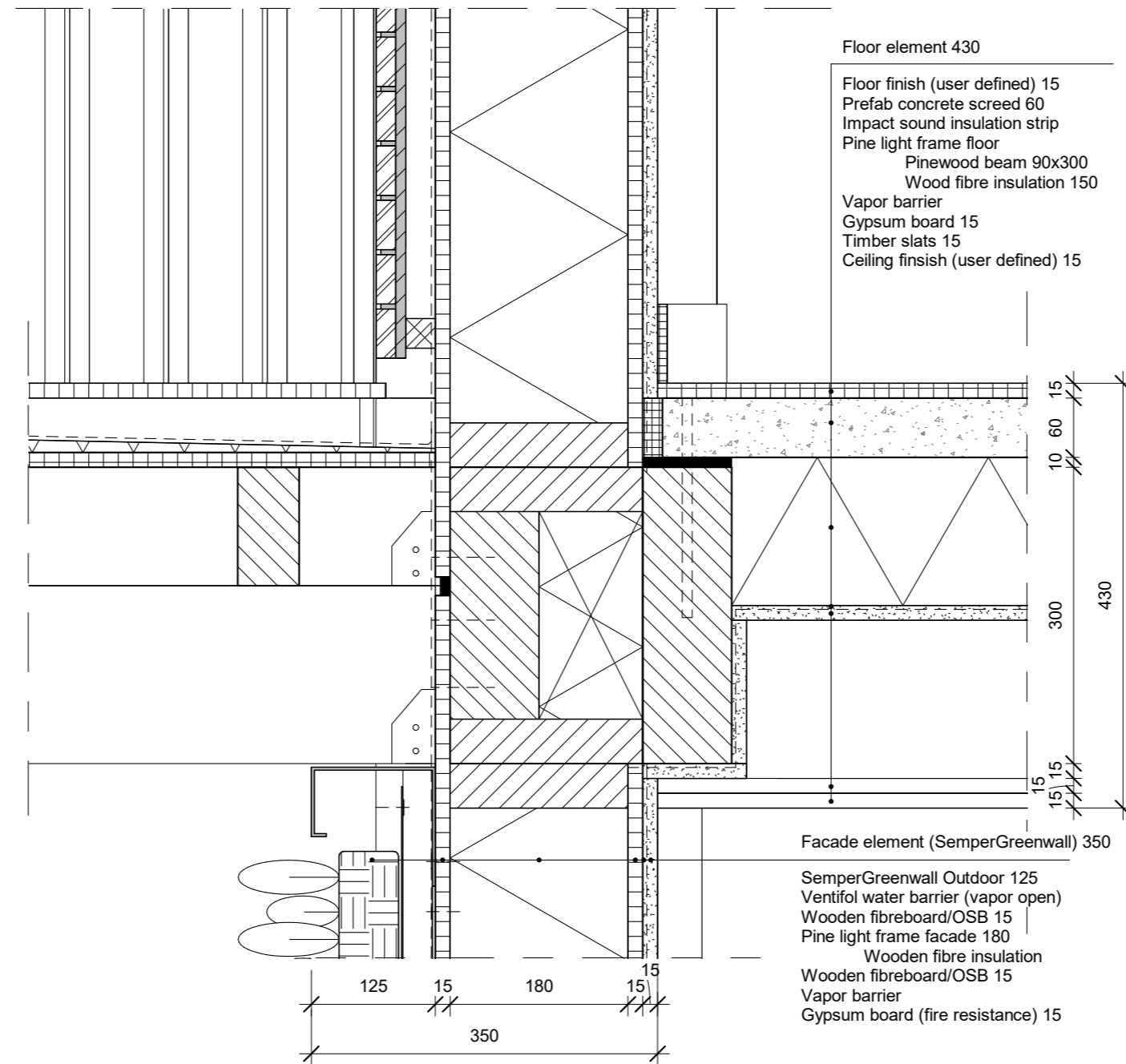
FACADE FRAGMENT



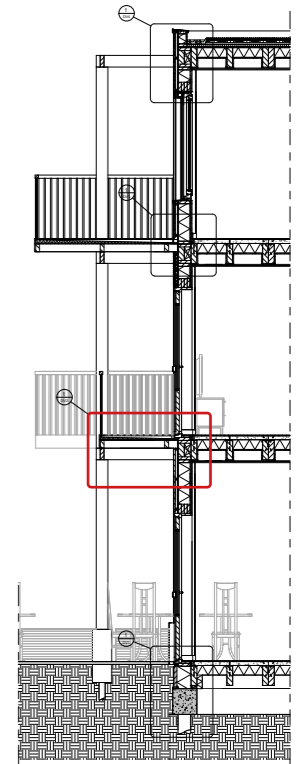
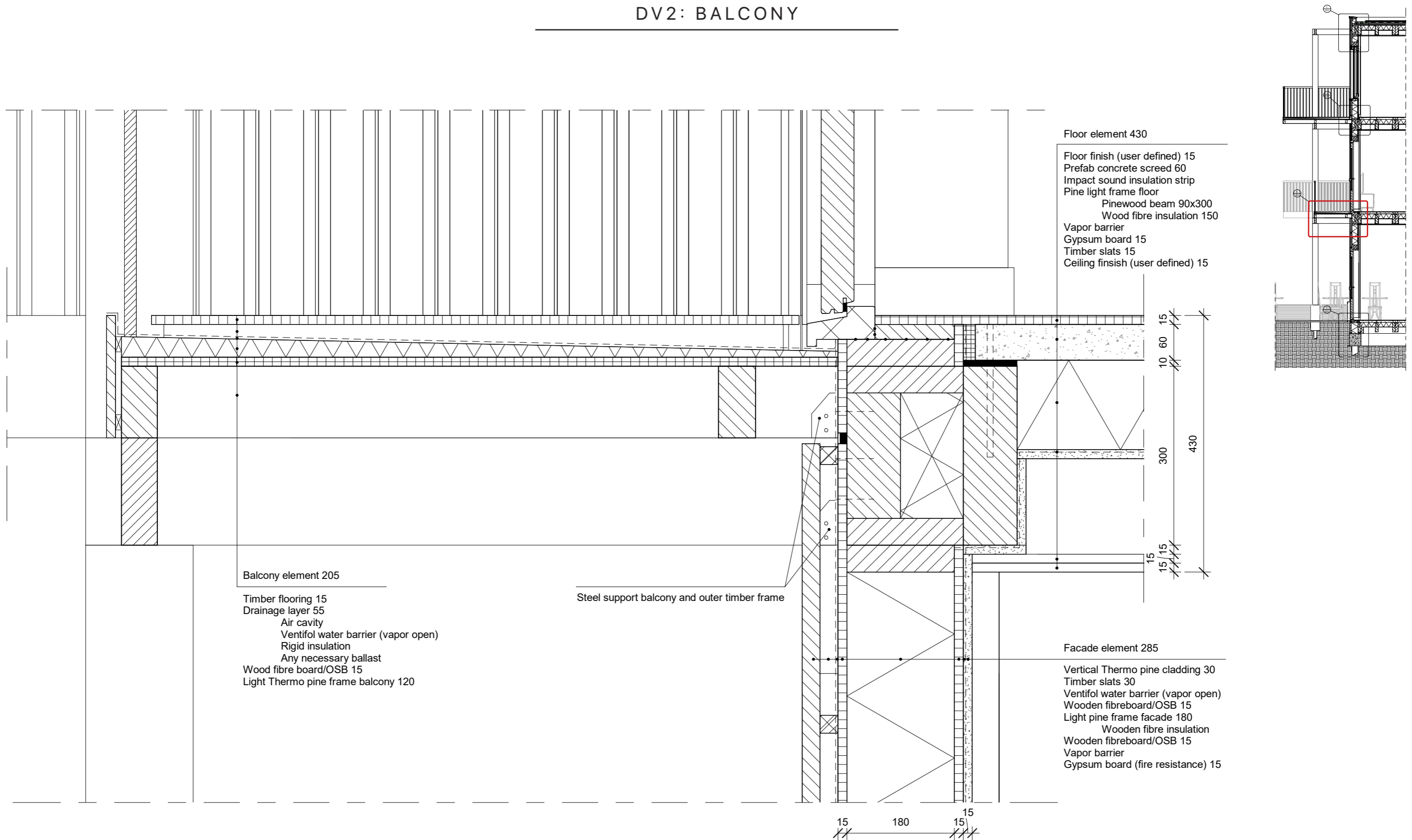
DV1: FOUNDATION



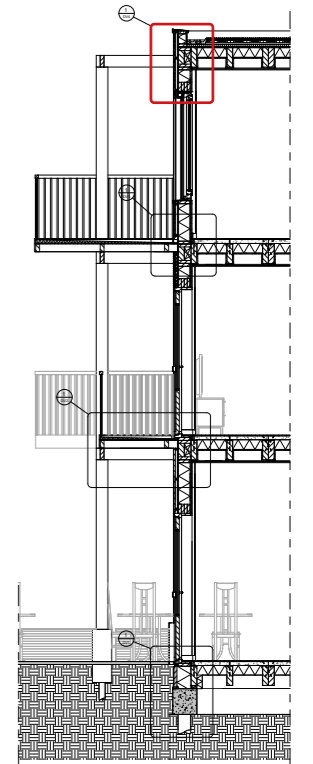
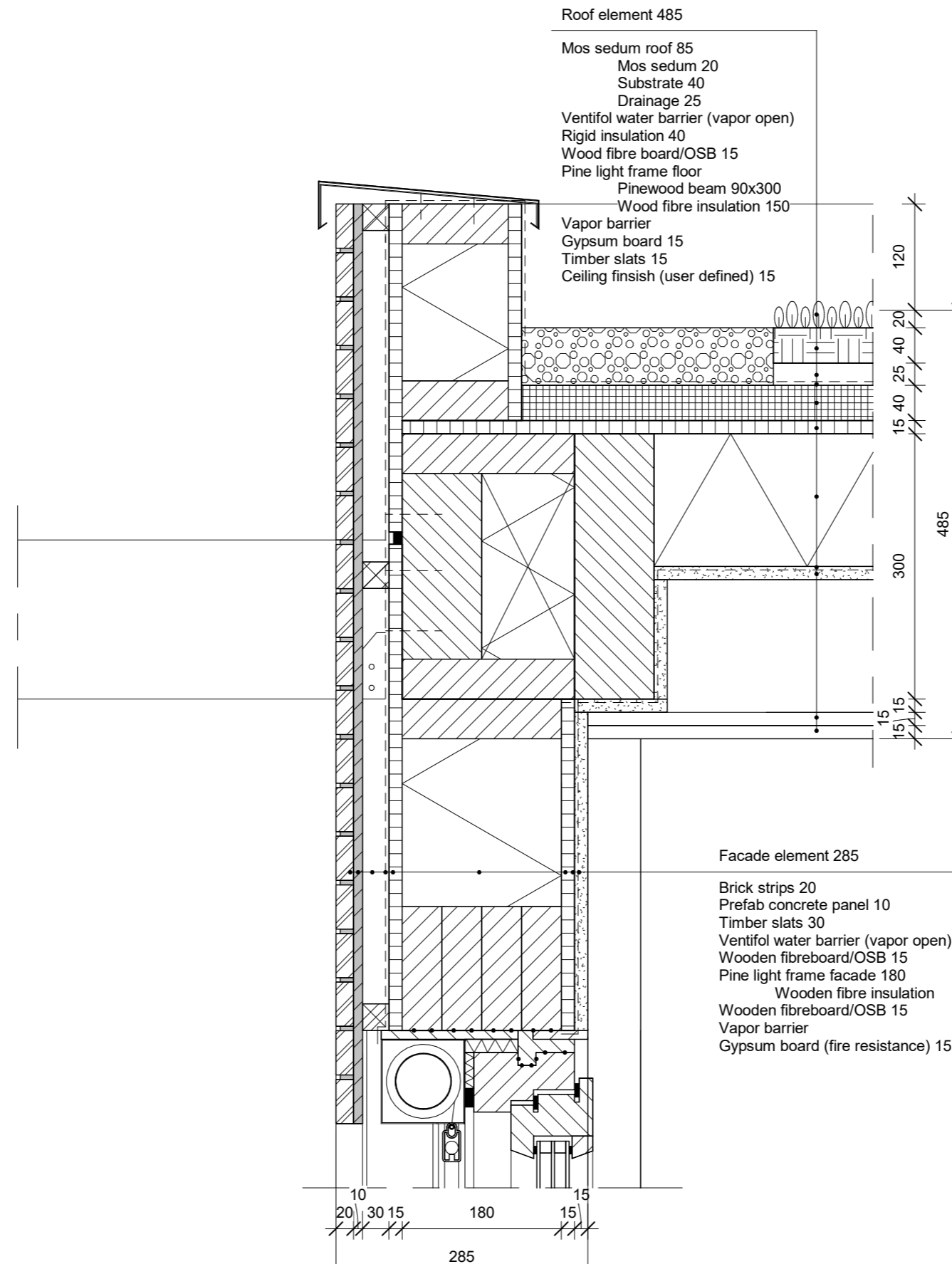
DV3: STANDARD FLOOR



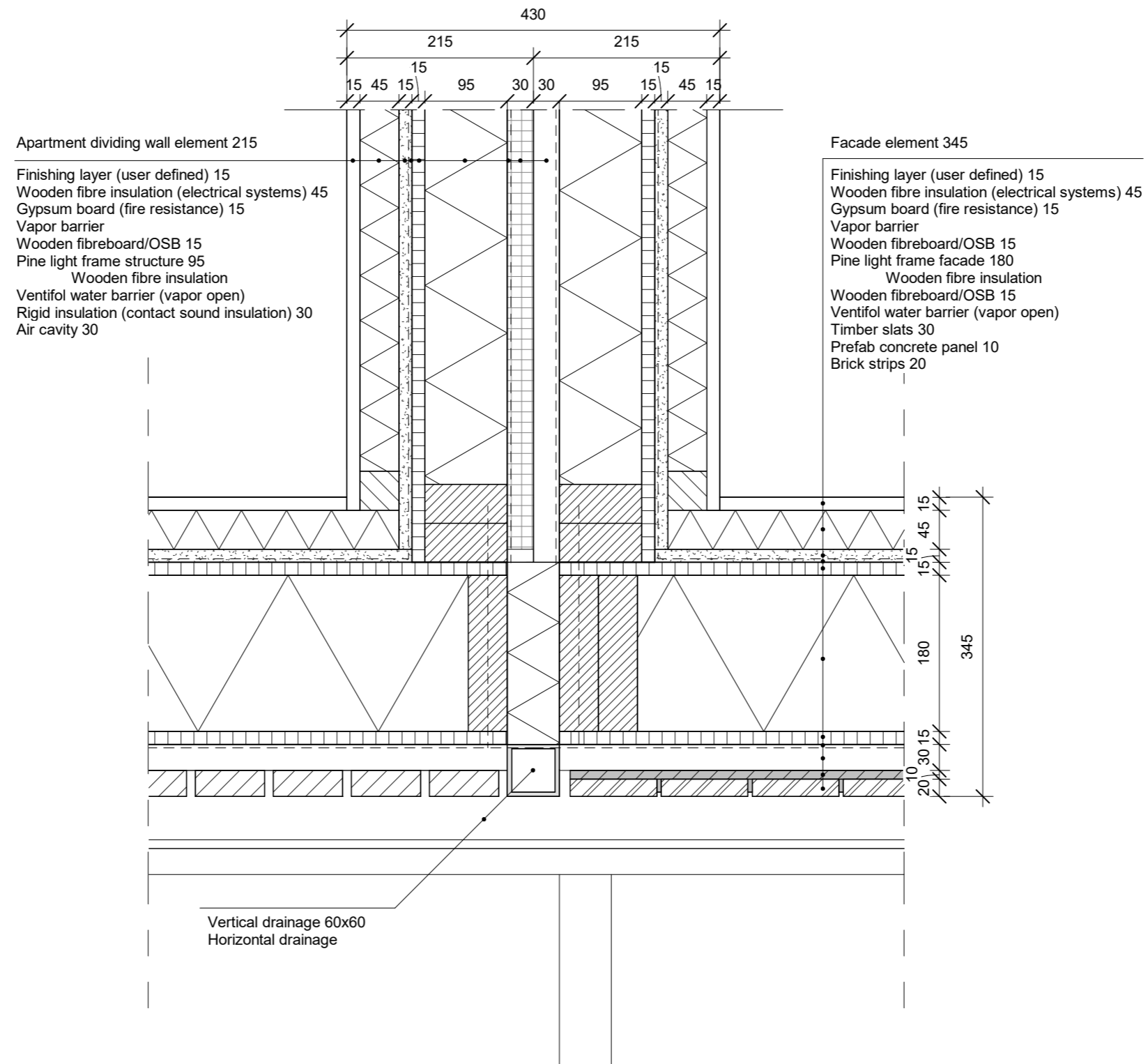
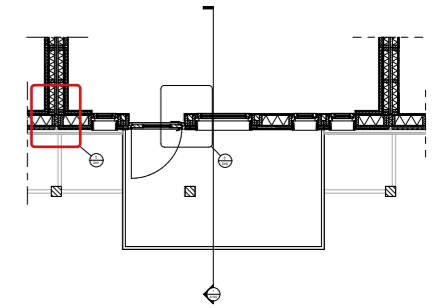
DV2: BALCONY



DV4: EDGE ROOF



DH1: APARTMENT DIVIDING WALL



DH2: FACADE OPENING

