

Adapting 20th century heritage
AR3AH105
Graduation

TU Delft
Department of Architecture
2024 - 2025

Mentors
Chris de Vries
Lidwine Spoormans
Anèt Meijer

Layers of Belonging

Annemijn de Potter
4999746

De Ruimte (De Potter, 2024)

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Site Selection.

Buiksloterham within Amsterdam-Noord



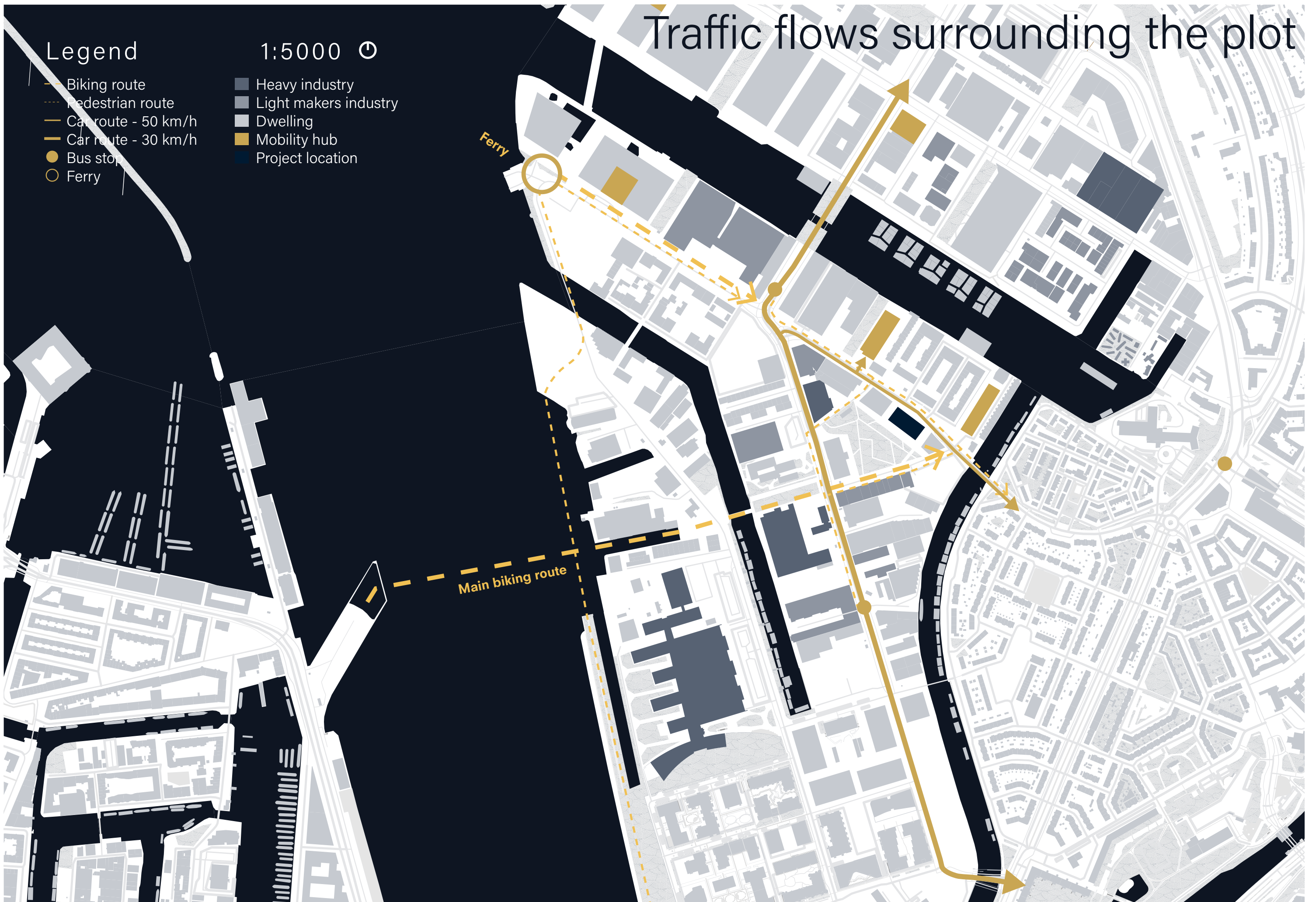
1:20.000 (scaled)

Traffic flows surrounding the plot

Legend

1:5000

- Biking route
- Pedestrian route
- Car route - 50 km/h
- Car route - 30 km/h
- Bus stop
- Ferry
- Heavy industry
- Light makers industry
- Dwelling
- Mobility hub
- Project location



Masterplan



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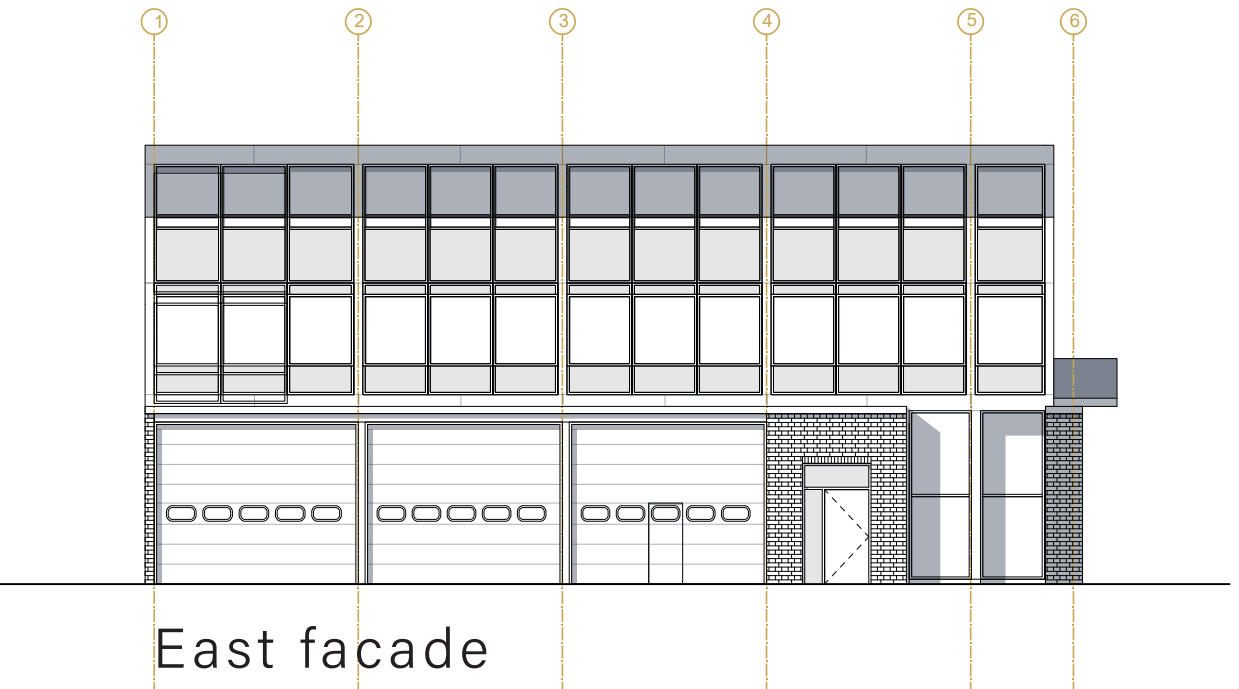
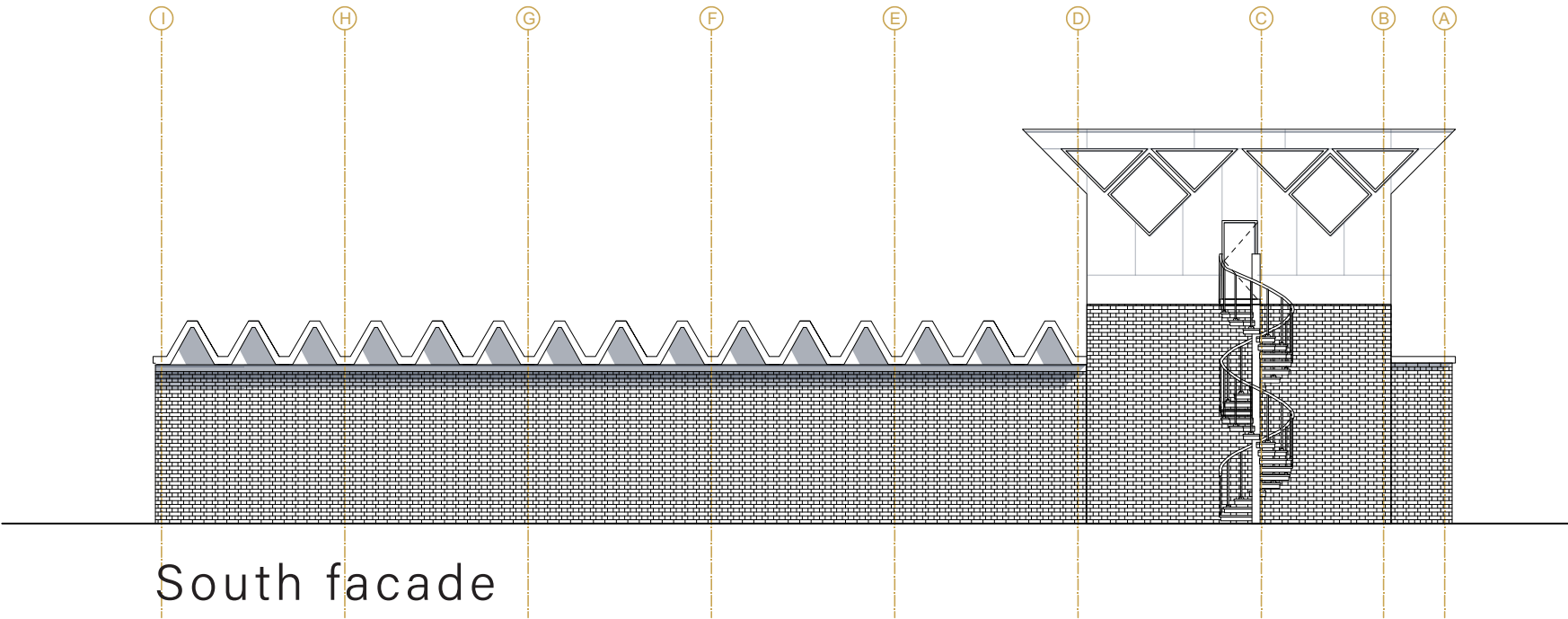
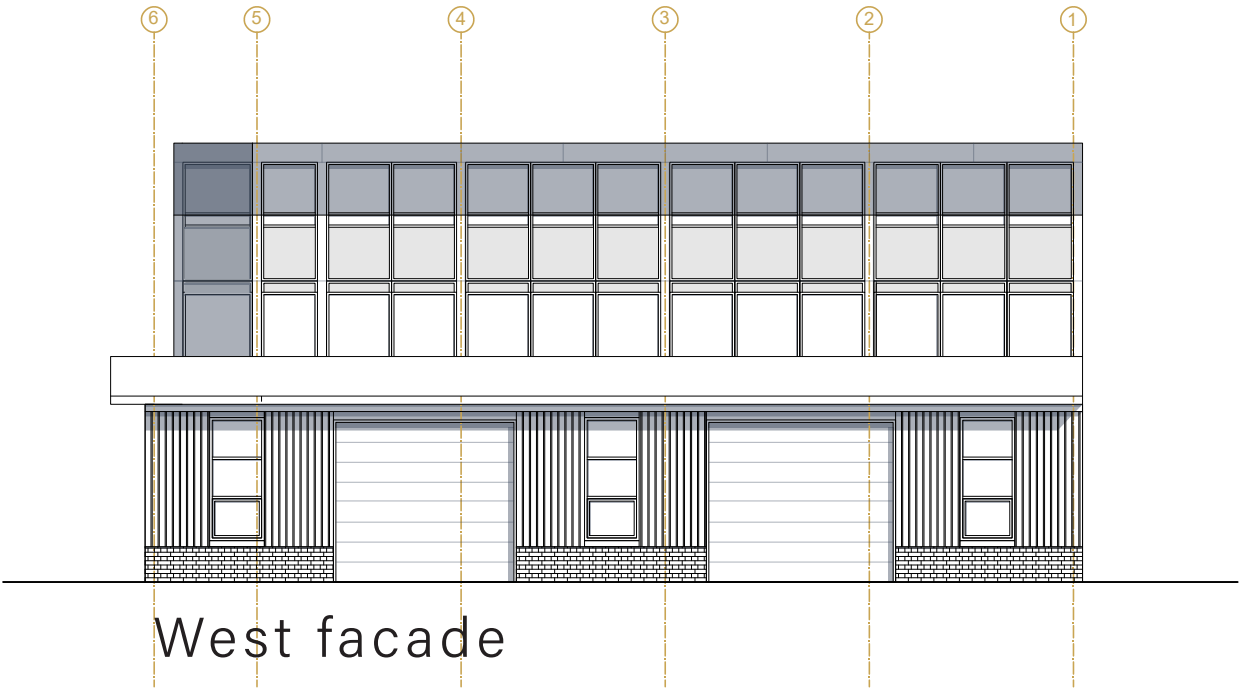
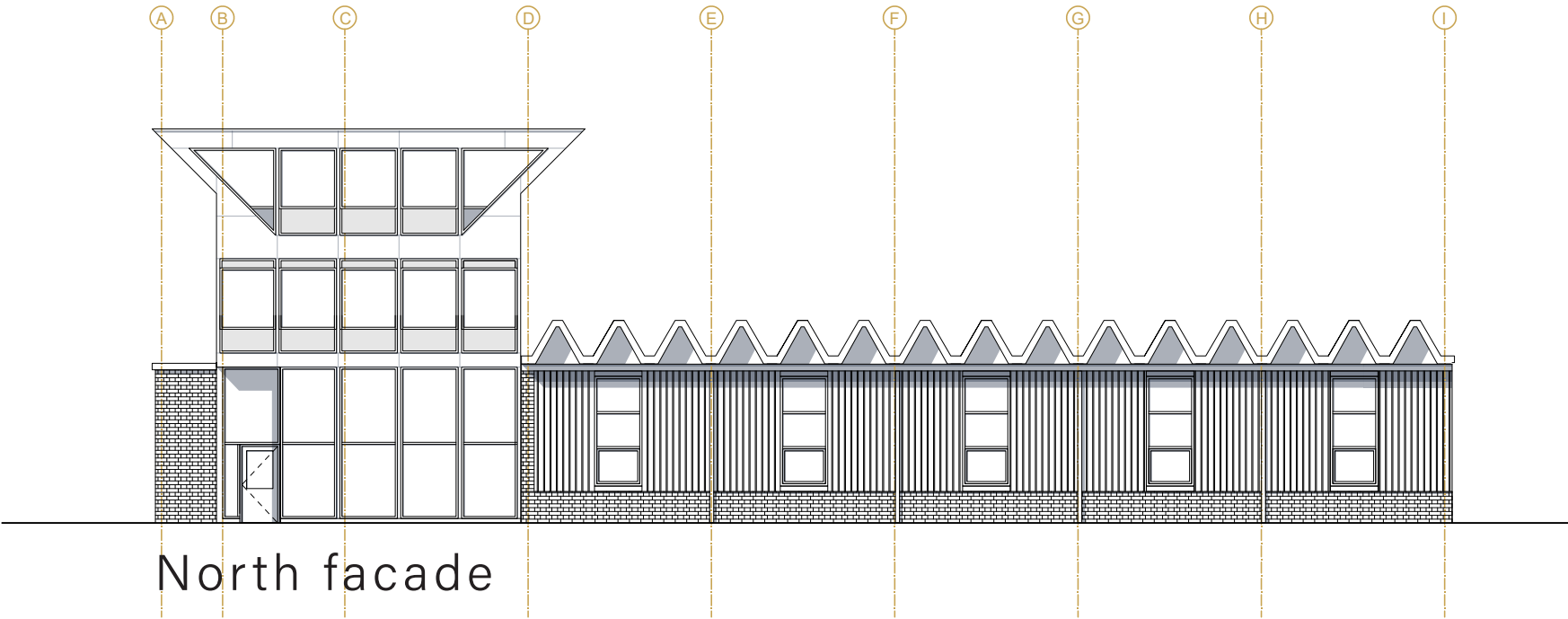
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Existing Building.

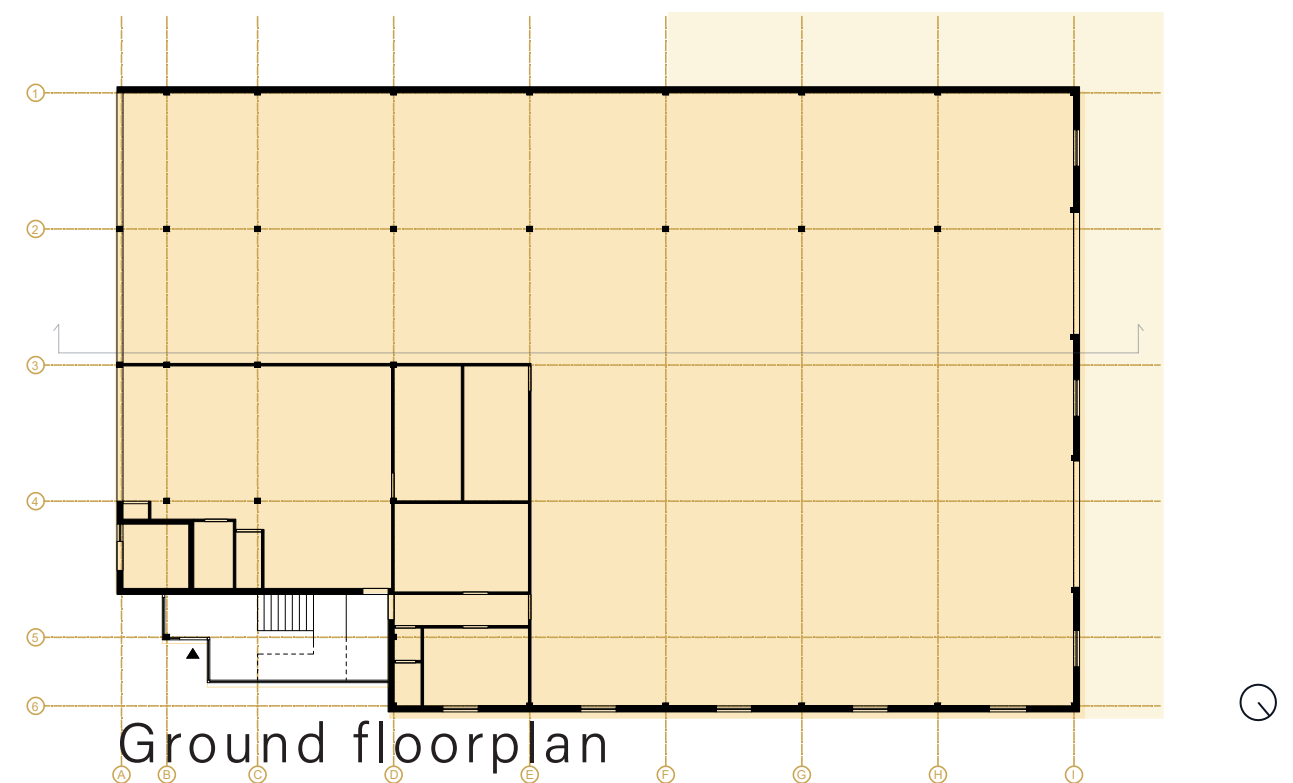
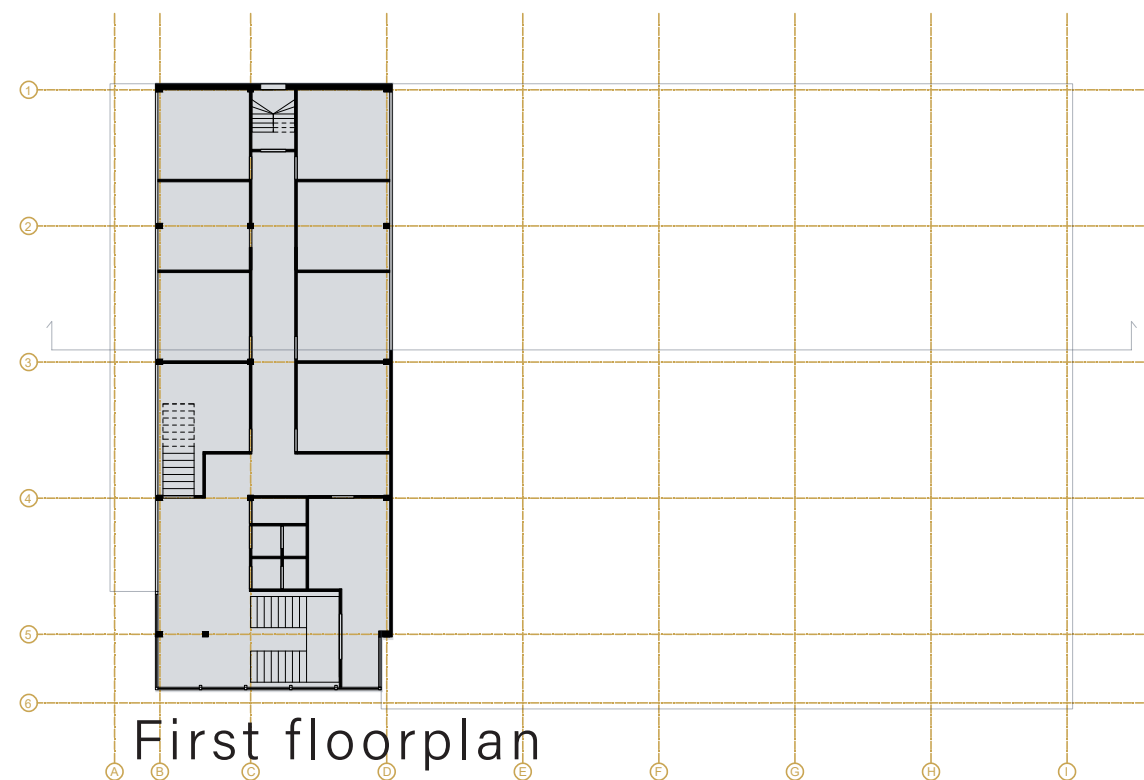
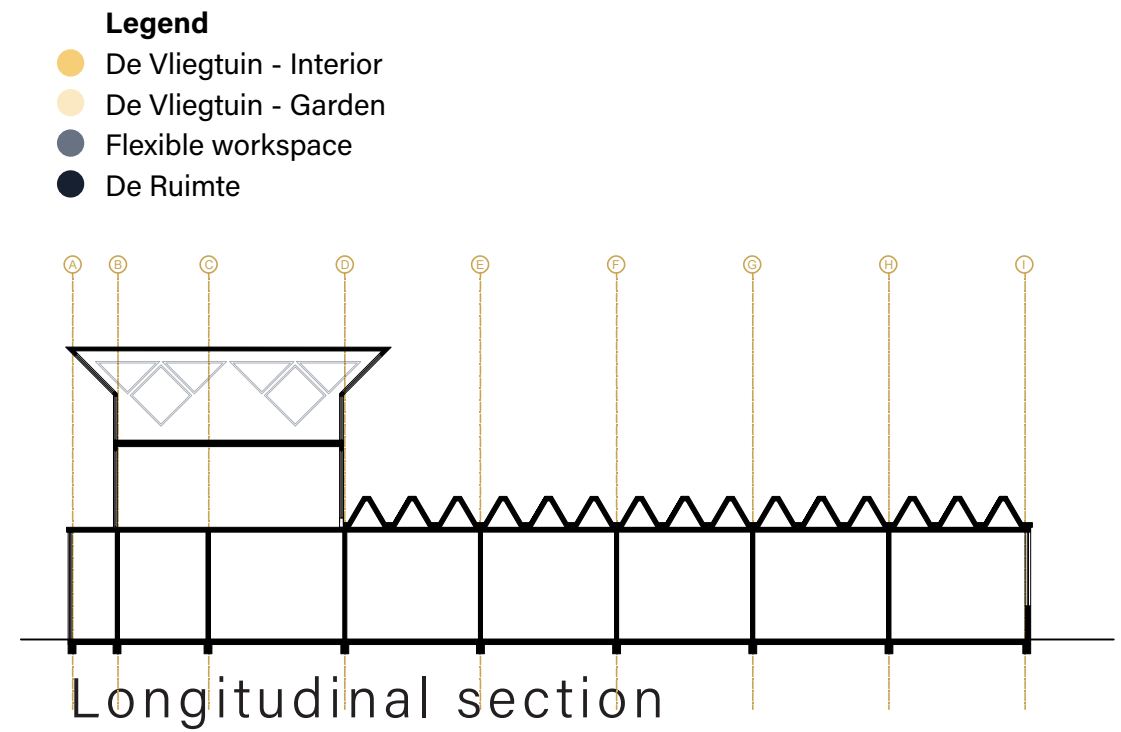
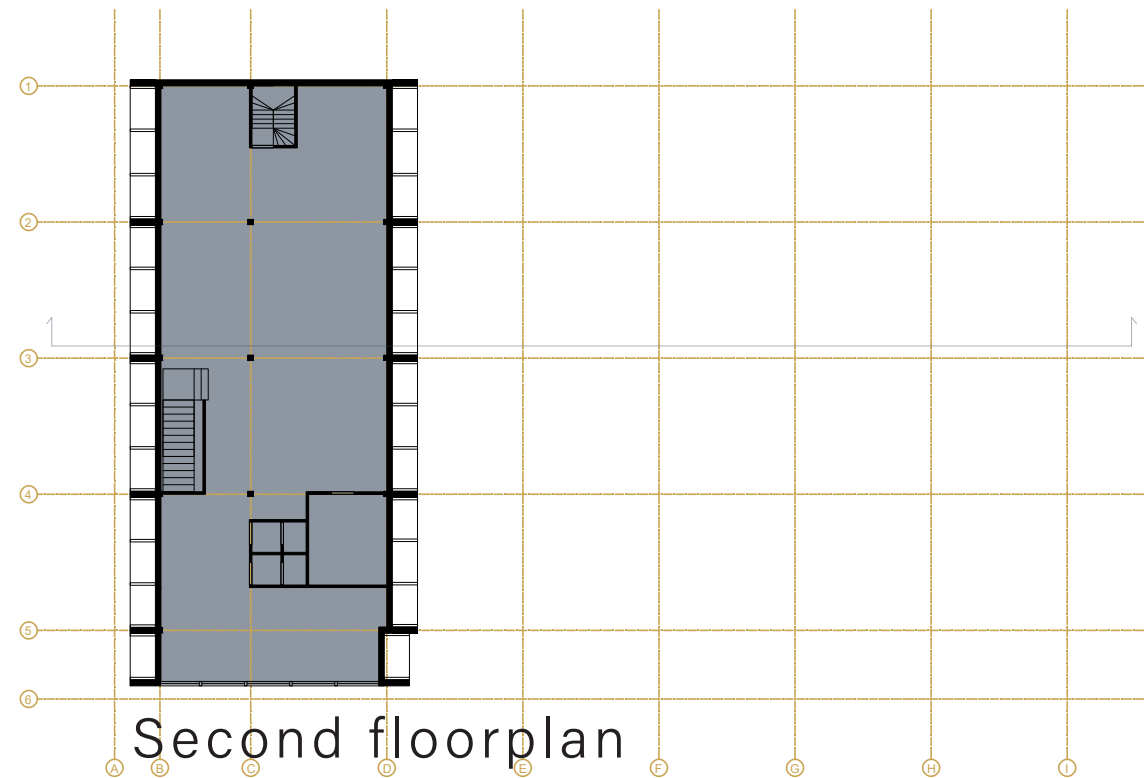


Existing elevations
1.200



Existing floorplans

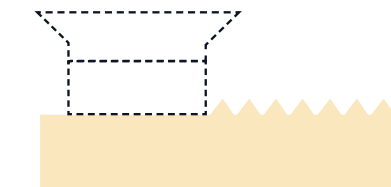
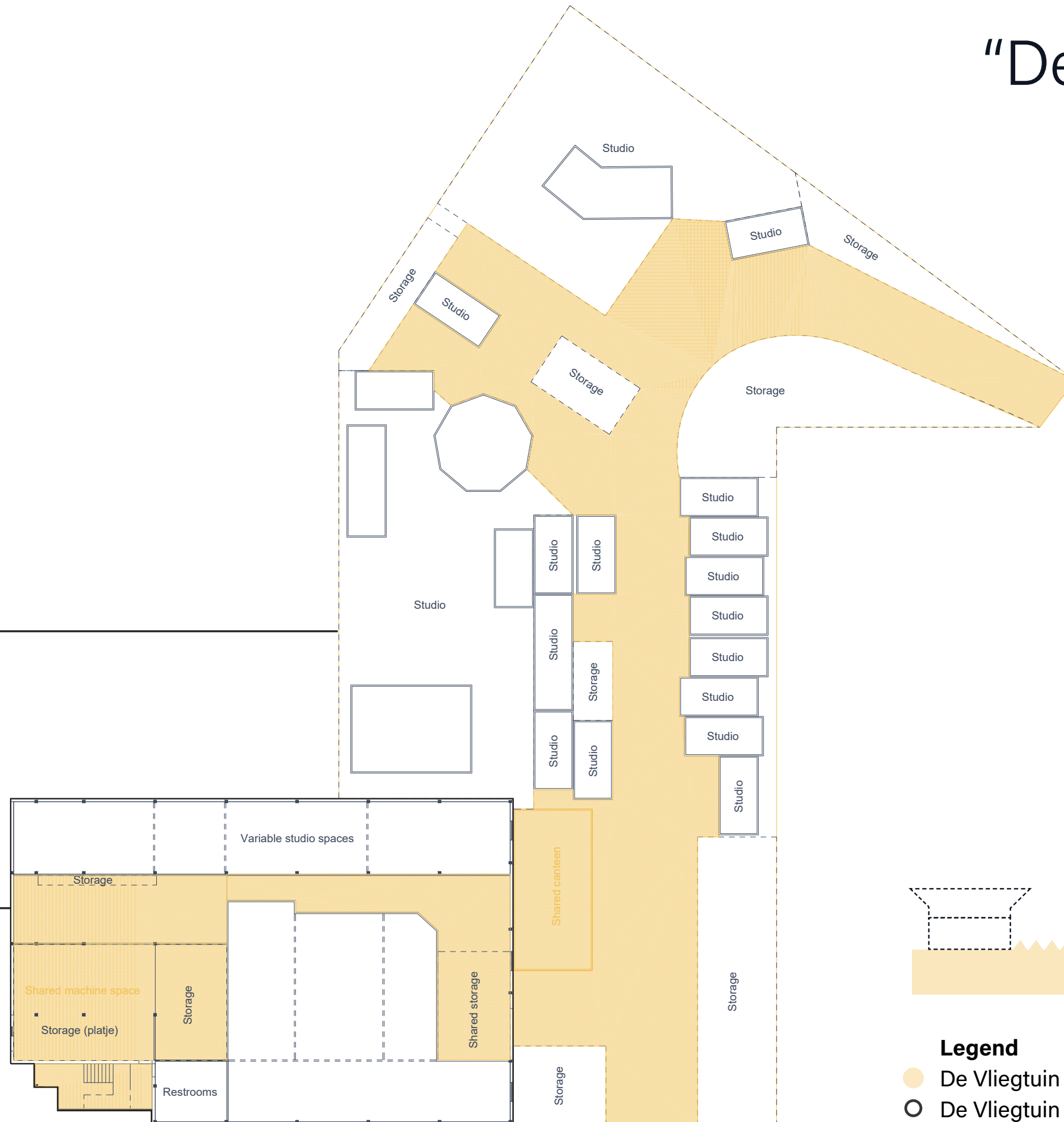
1.500



Floorplan "De Vliegtuin"

De Vliegtuin - Garden

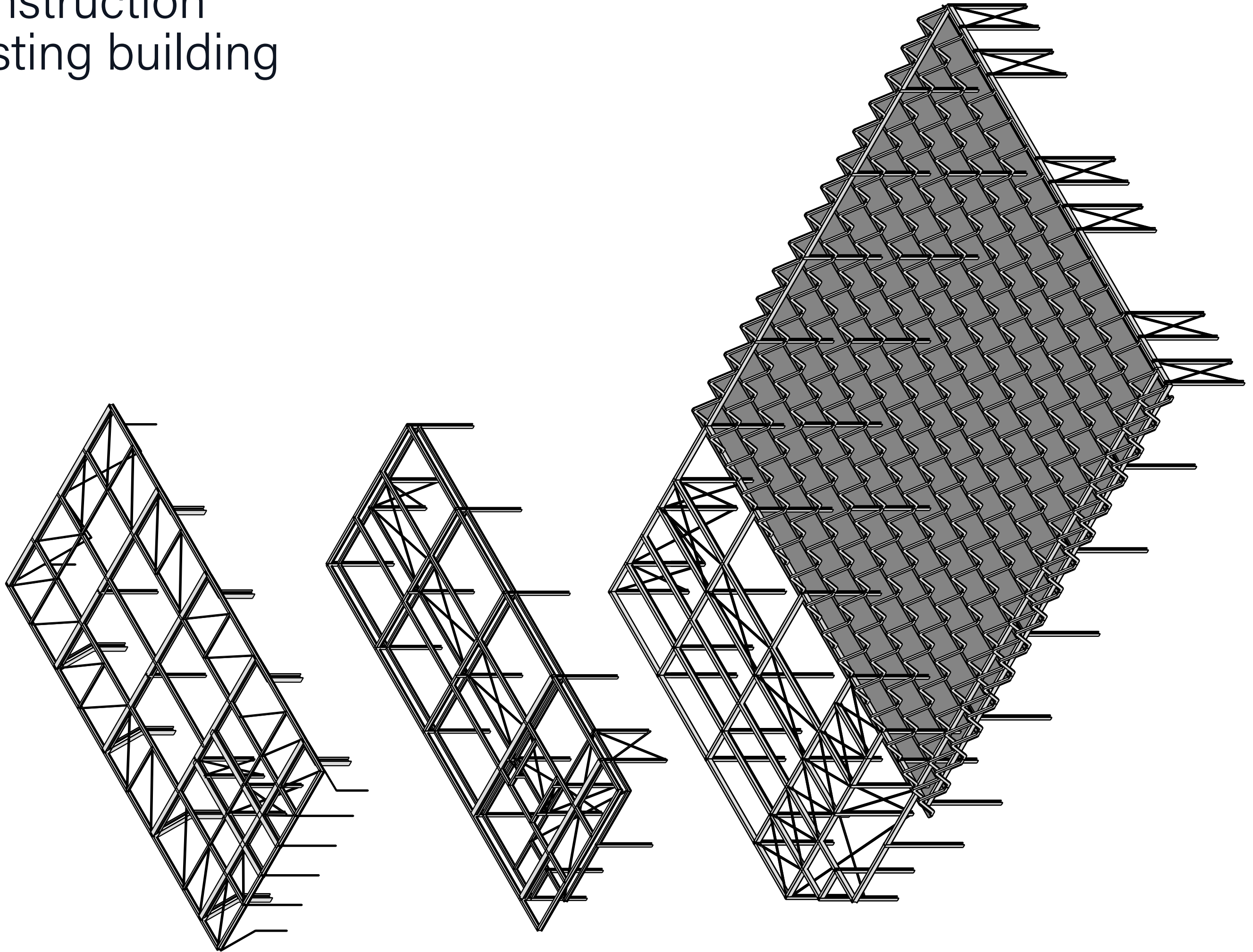
De Vliegtuin - Interior



- Legend**
- De Vliegtuin - Collective
 - De Vliegtuin - Private



Construction
existing building



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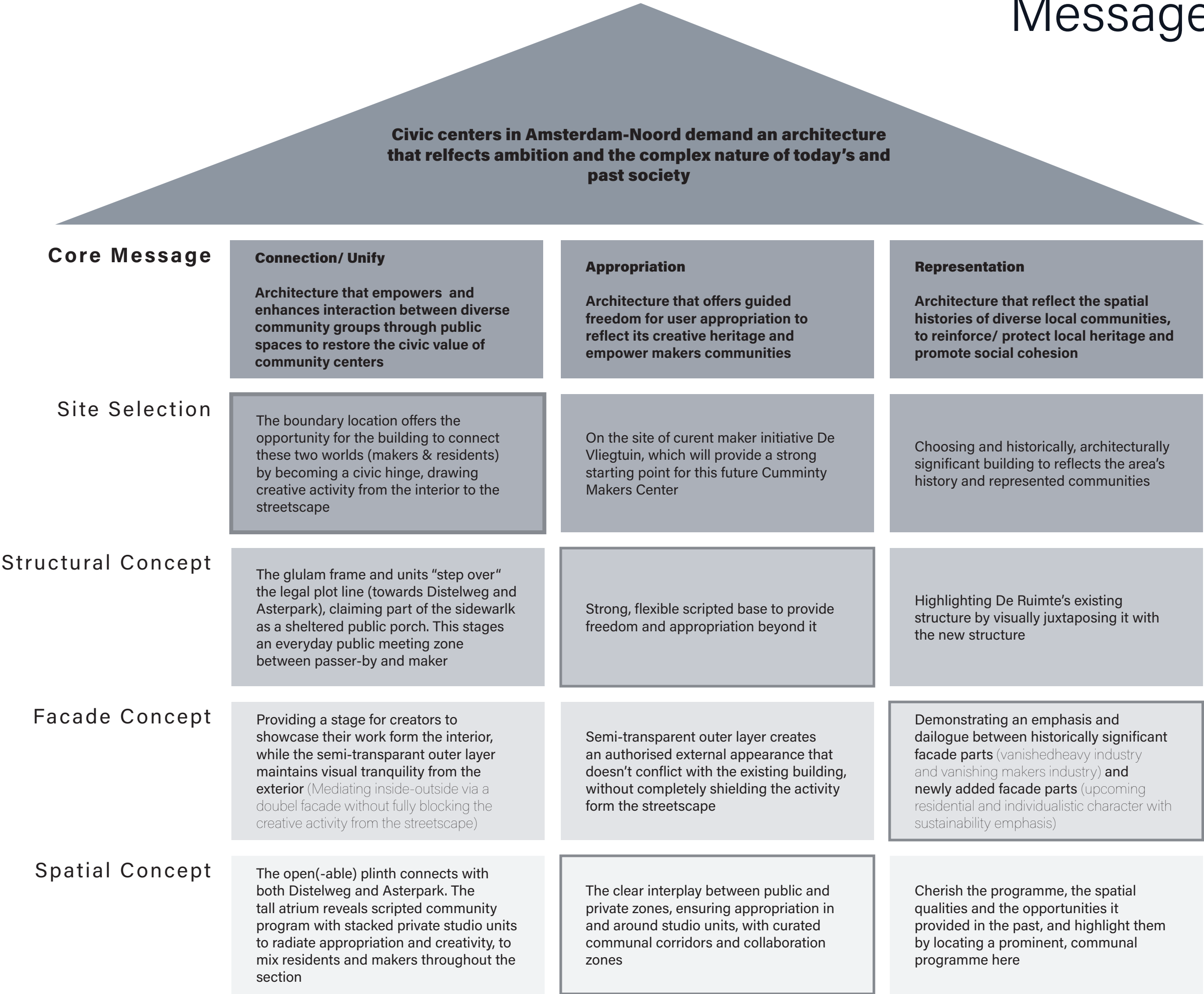
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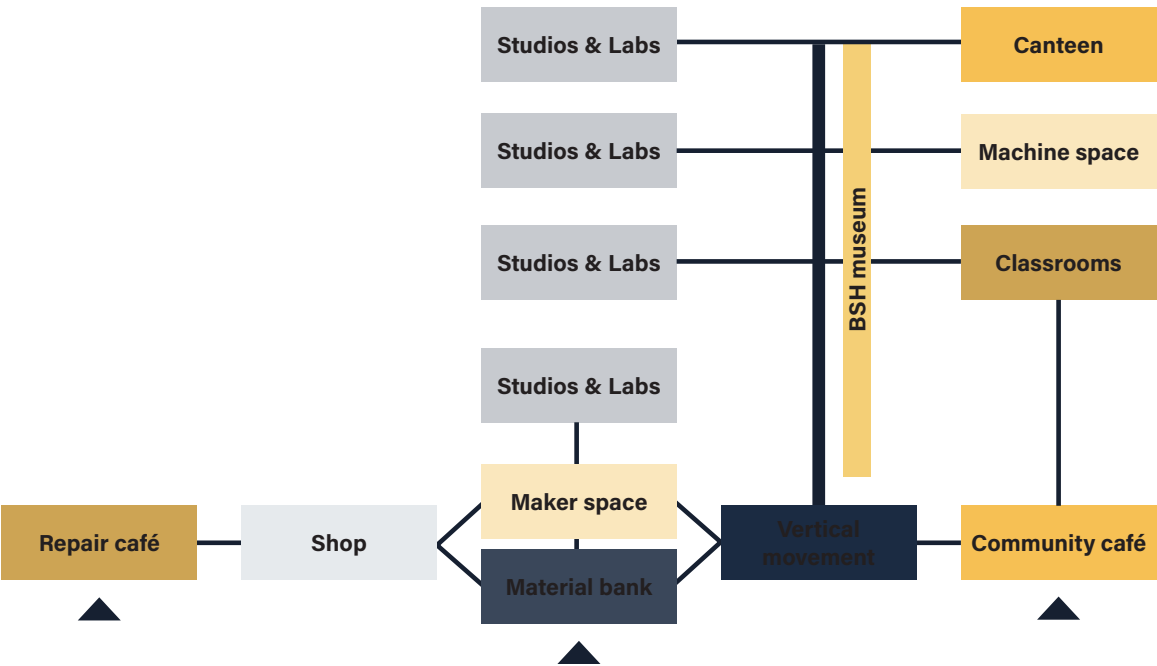
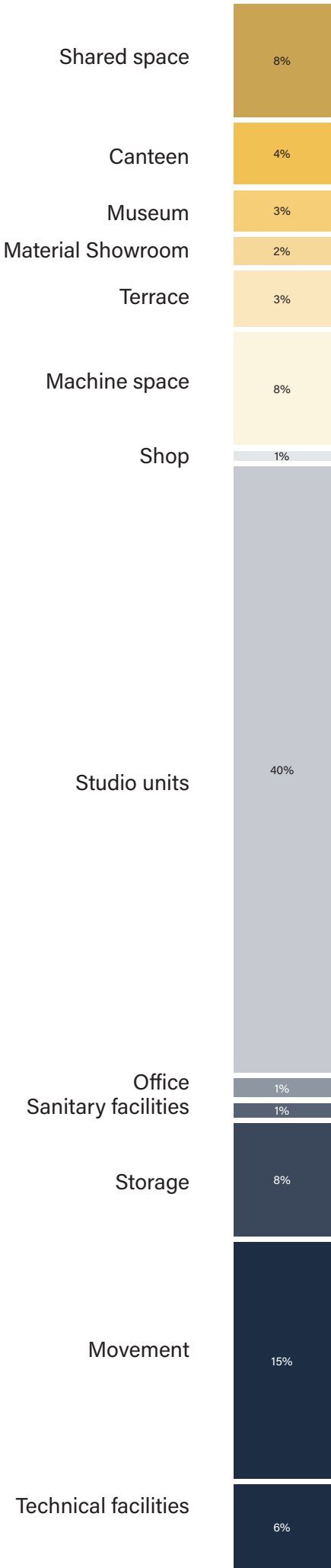
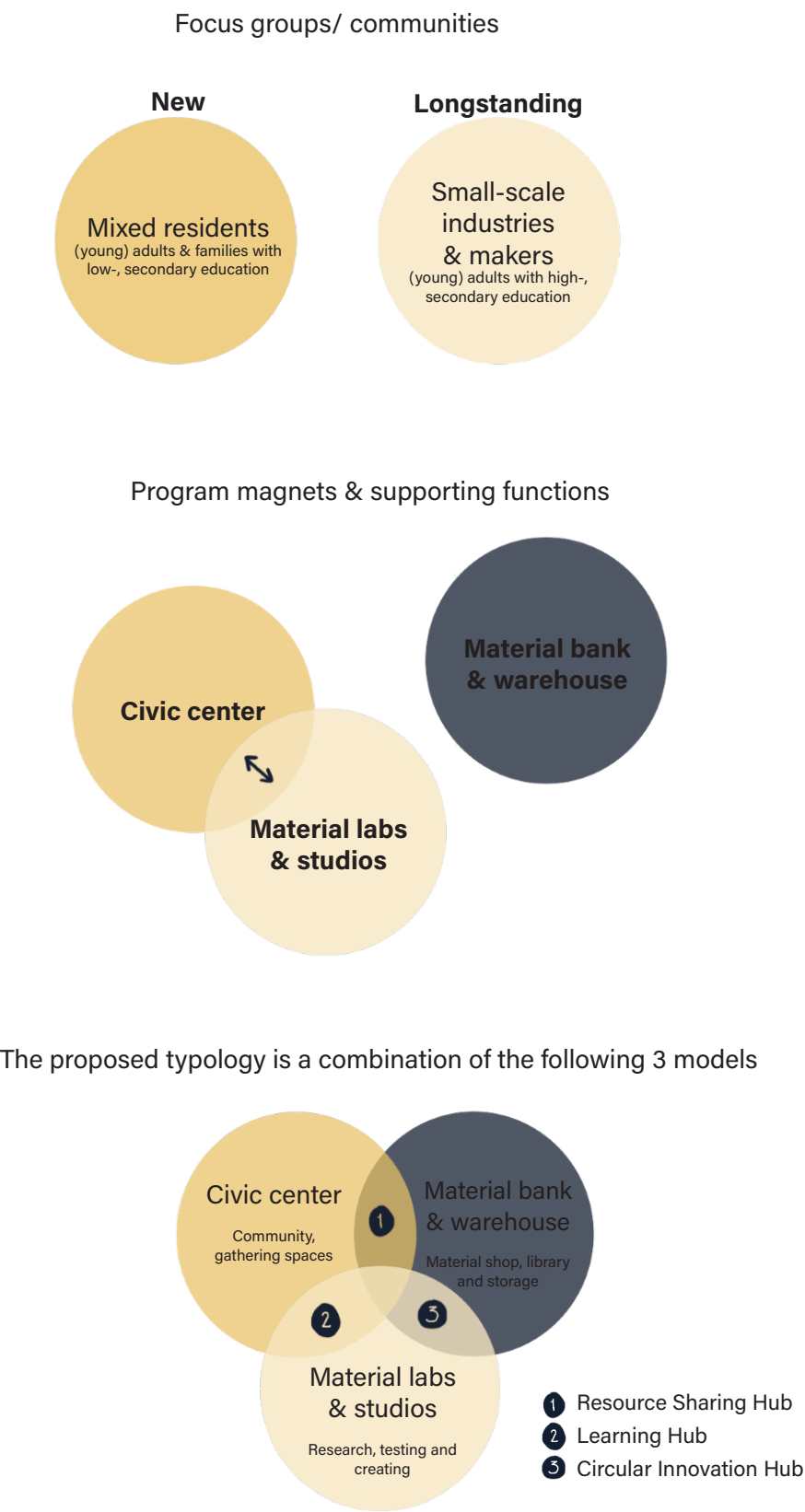
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Design Brief.

Message house



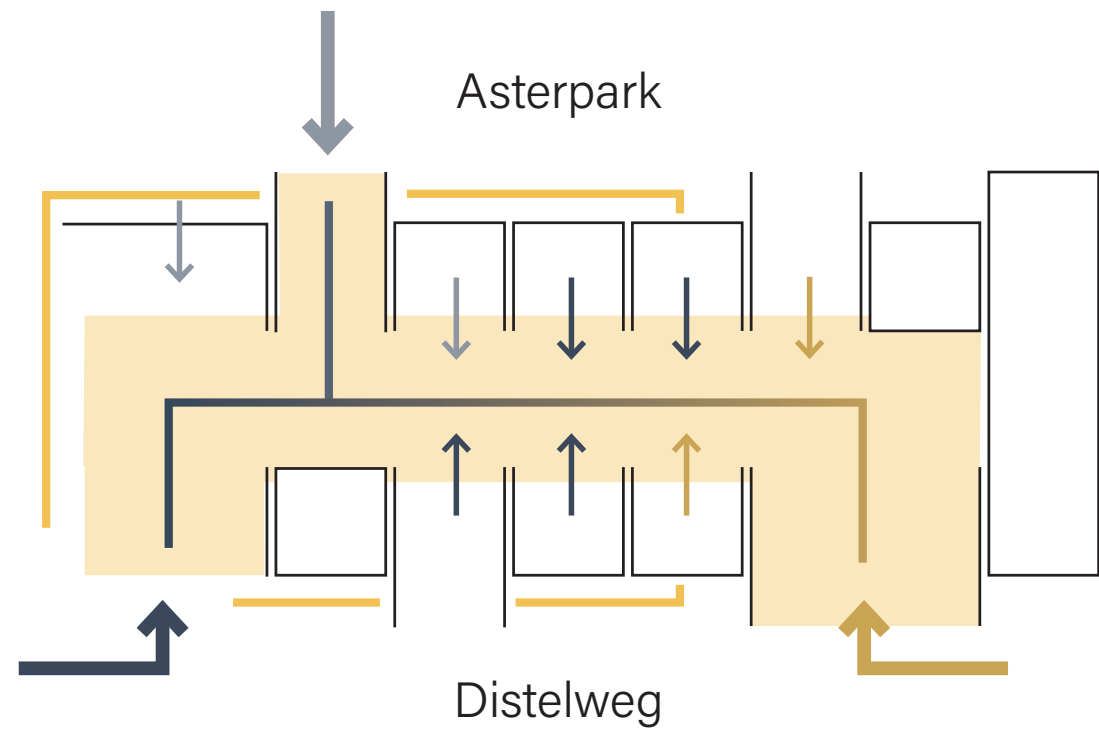
Program of Requirements



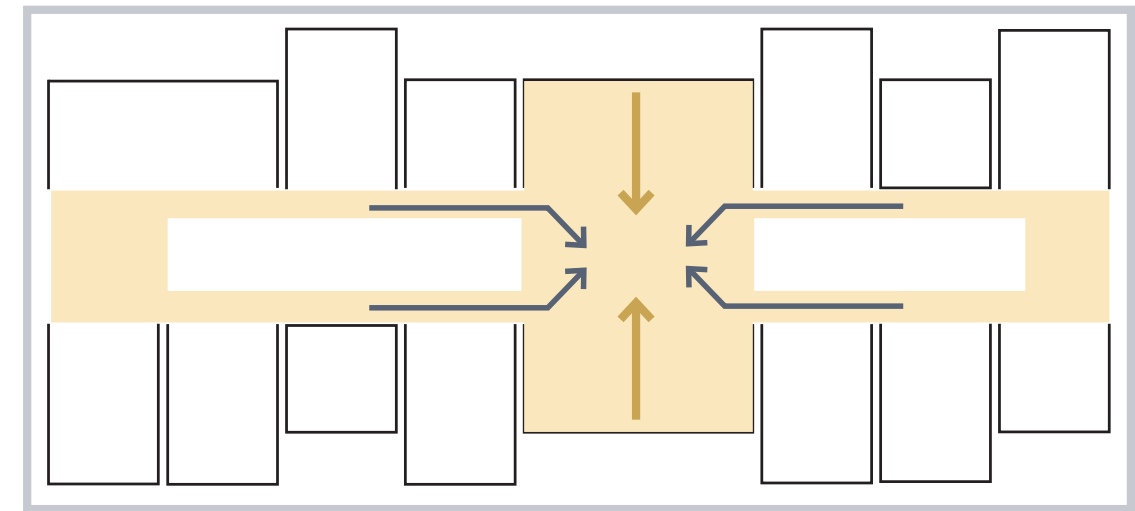
Community spaces - Civic Center		540 m2
Classrooms/ rentable rooms		300 m2
Community café		100 m2
Kitchen		
Buiksloterham museum		140 m2
Testing spaces and creative spaces - Labs & Ateliers		1800 m2
Studio units		
Research, test and design labs		1100 m2
Architects, designers and artists		
Private storage		
Creative studios (ground floor)		700 m2
Craftsmen and artists		
Private storage		
Material tools, machinery, storage and shop - Material Bank		730 m2
Material library / showroom		100 m2
Material shops		30 m2
Workshop & machine space		300 m2
Heacy duty tools and machinery		
General storage		300 m2
Overlapping, collaboration spaces - Spark		1120 m2
Central hall (movement)		800 m2
Exhibition space		
Multifunction space		
Repair café - "kitchen" of the building		120 m2
Terrace		200 m2
Supporting program		420 m2
Administrative Offices		70 m2
Restrooms		50 m2
Technical facilities		300 m2
Bike storage		
Temporary parking area for loading and unloading		

Total GFA: 4610 m2

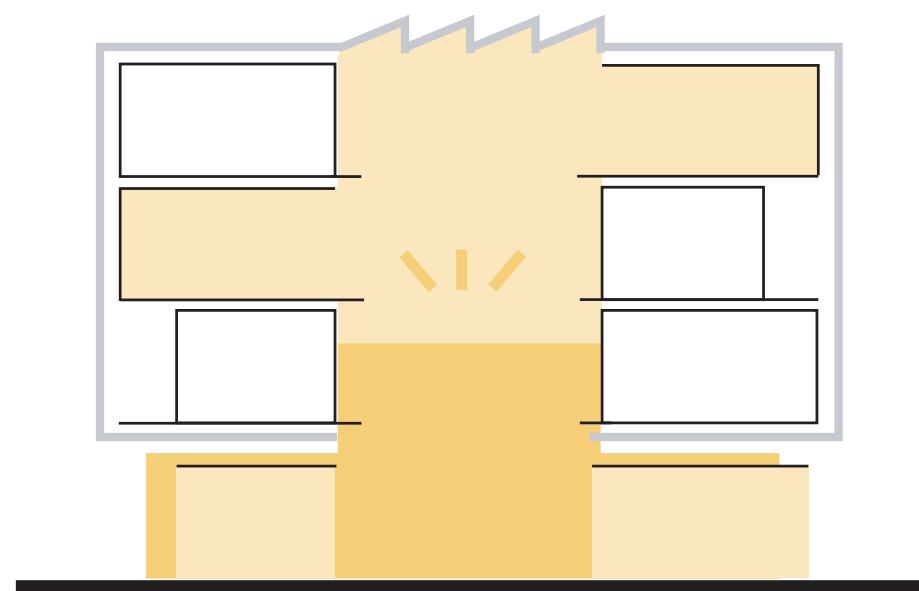
Parti Pris



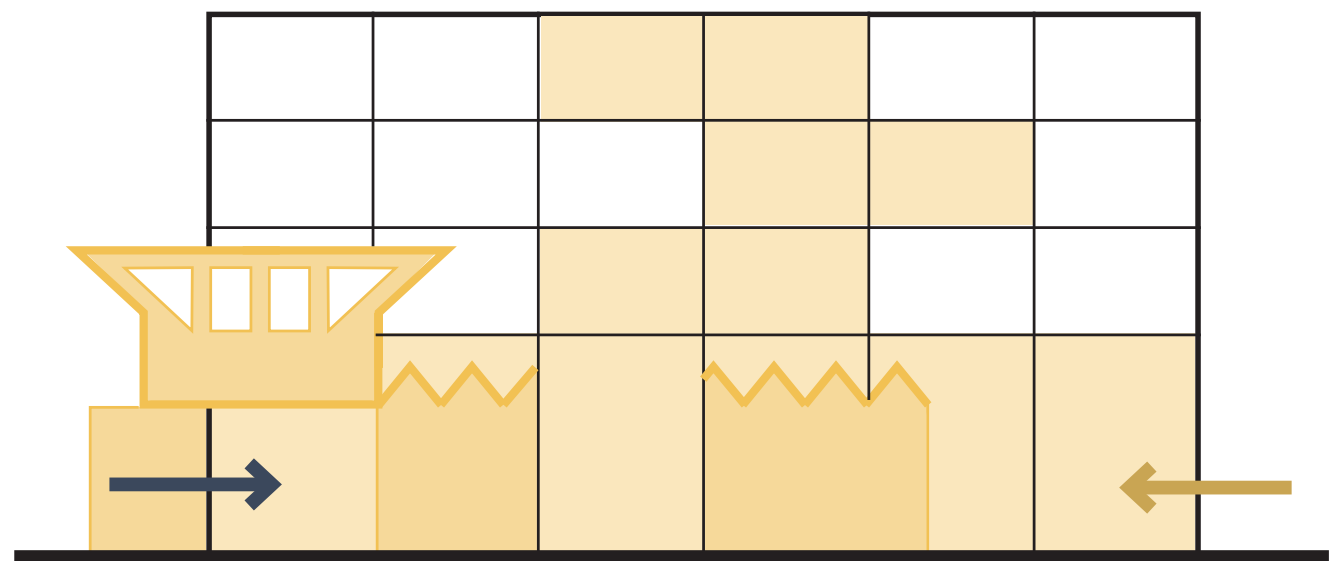
Ground floor



Upper floors



Section



Elevation

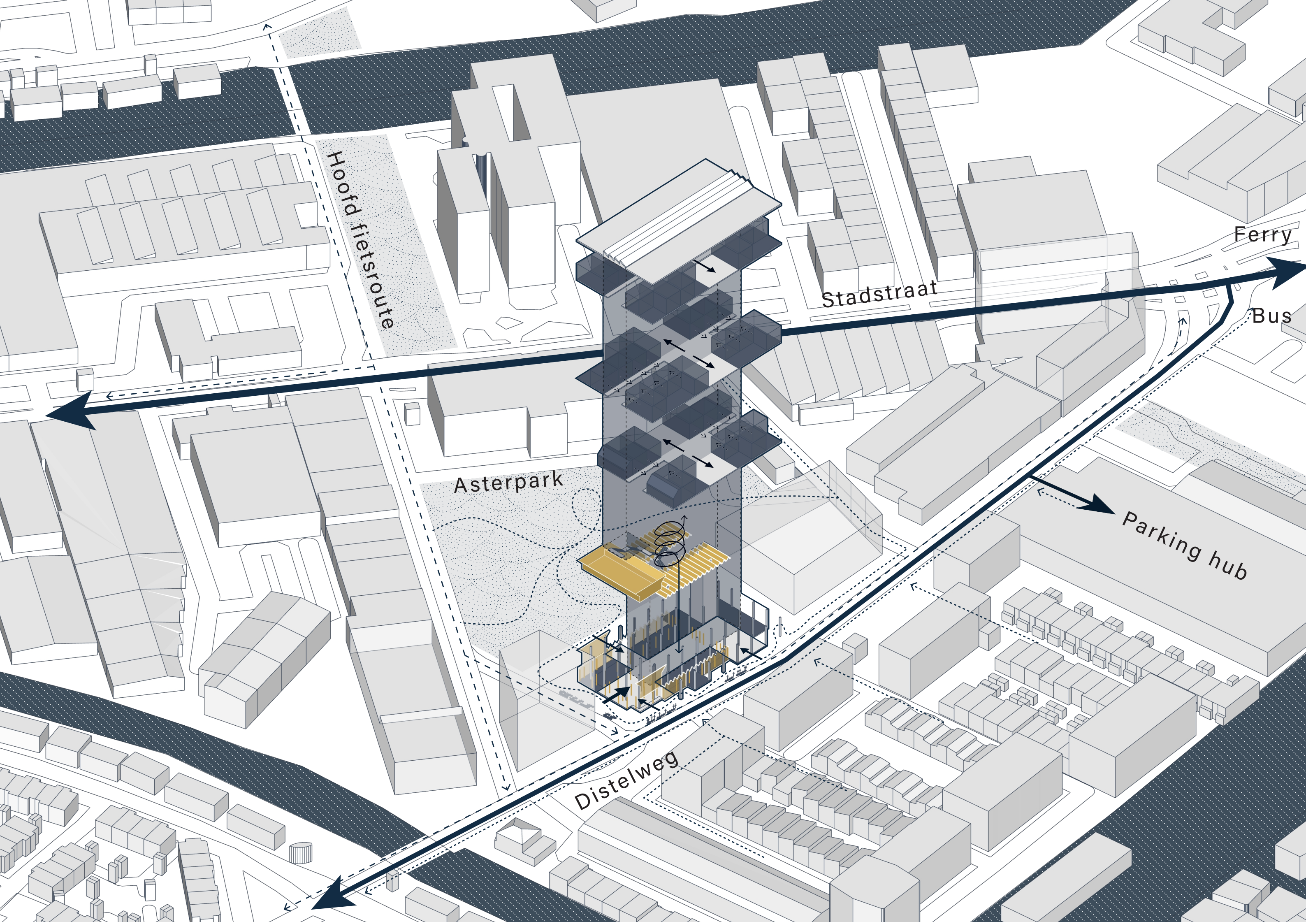
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Urban Flows.



Hoofd fietsroute

Stadstraat

Asterpark

Distelweg

Ferry

Bus

Parking hub



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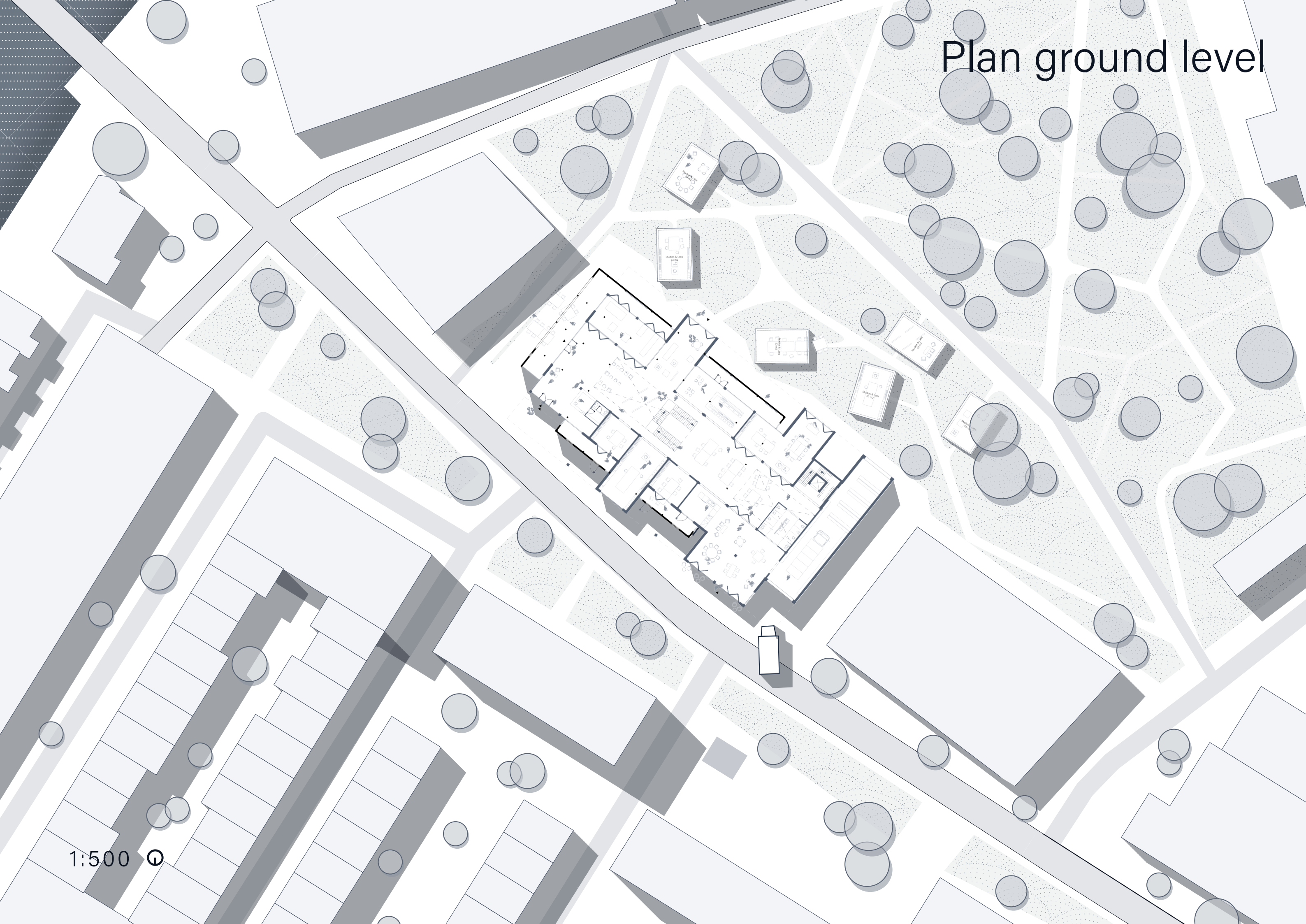
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Floorplans & Sections.

Plan ground level



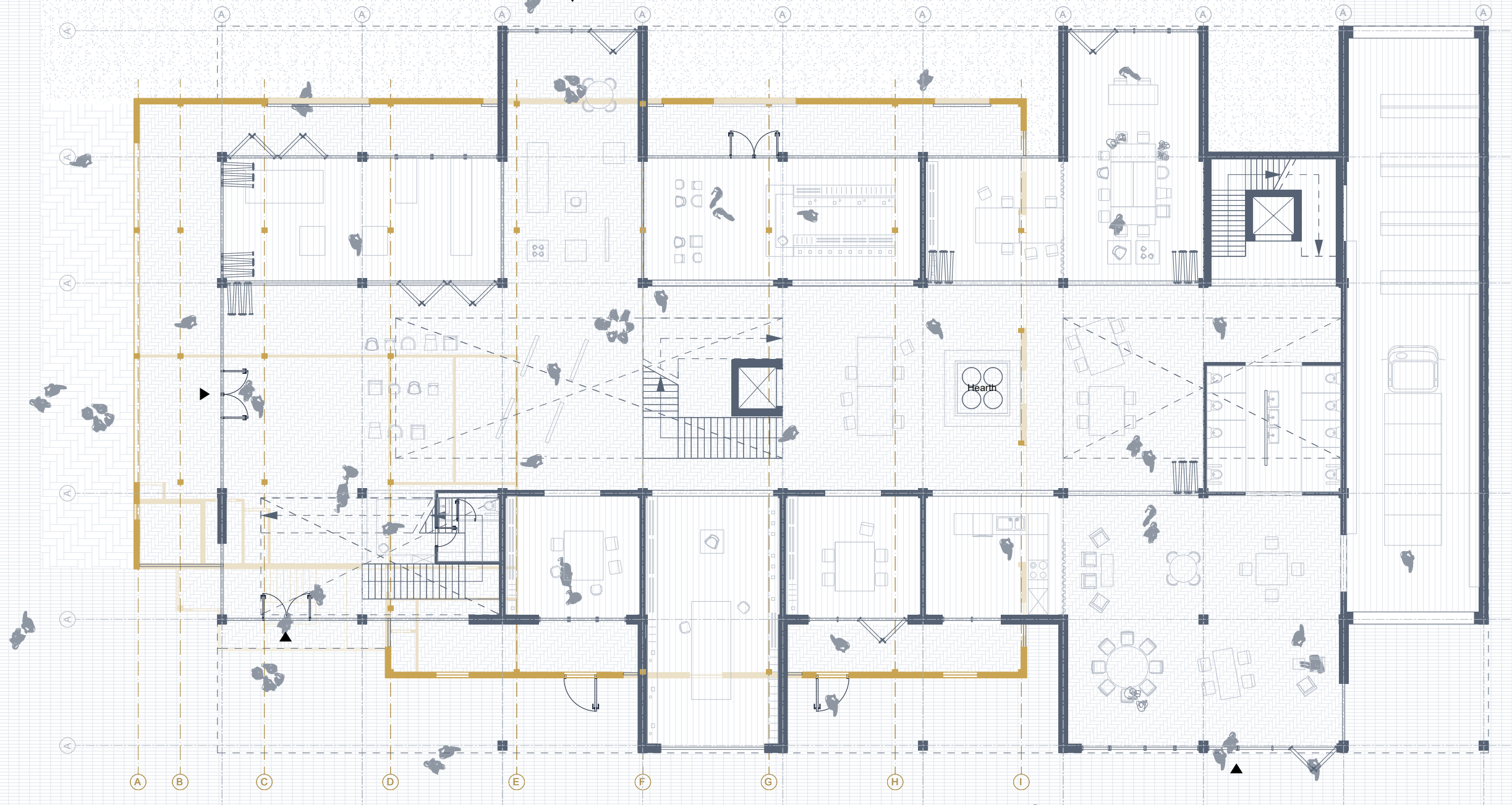
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Ground floorplan Summer



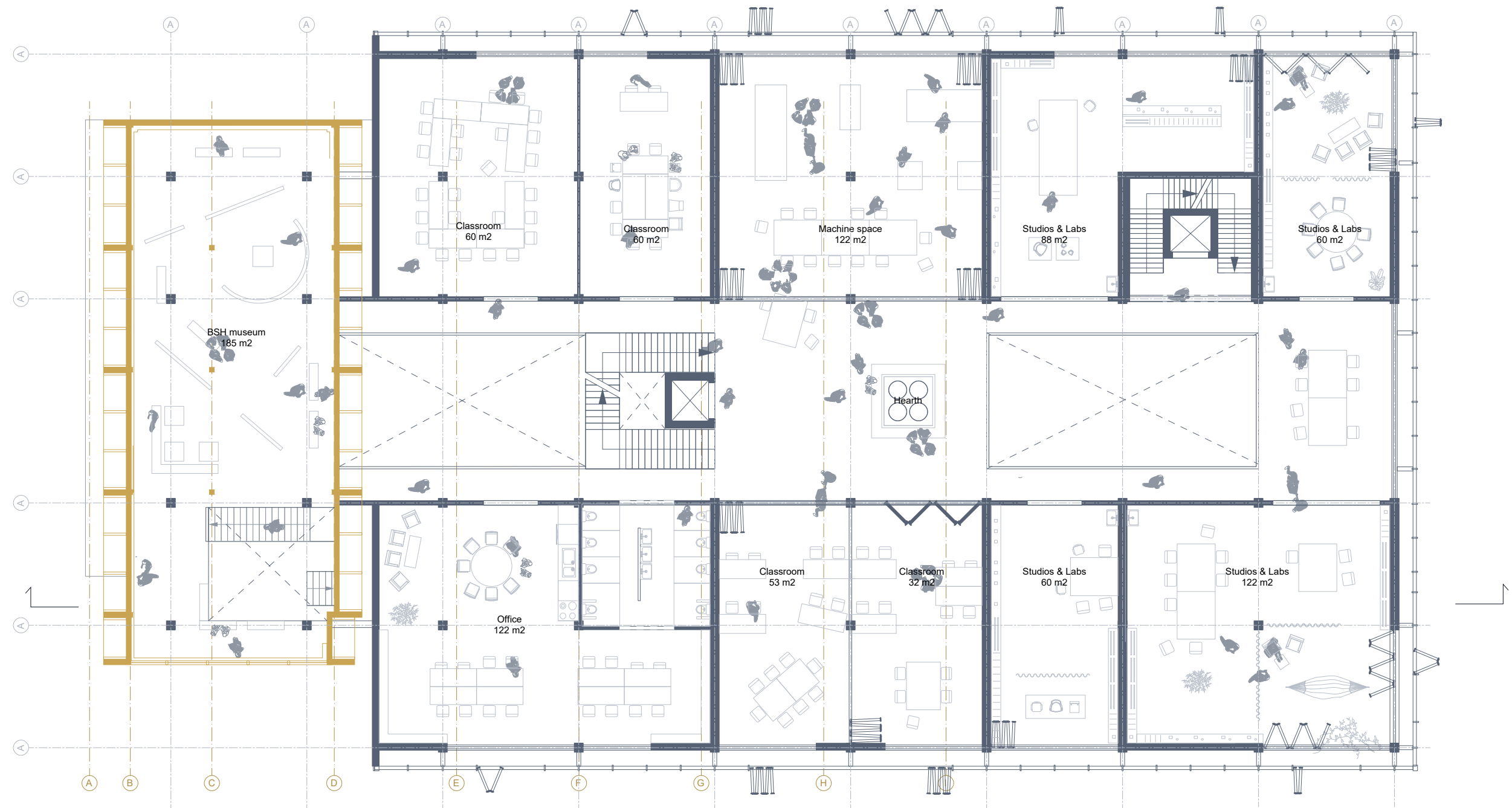
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Ground floorplan Summer



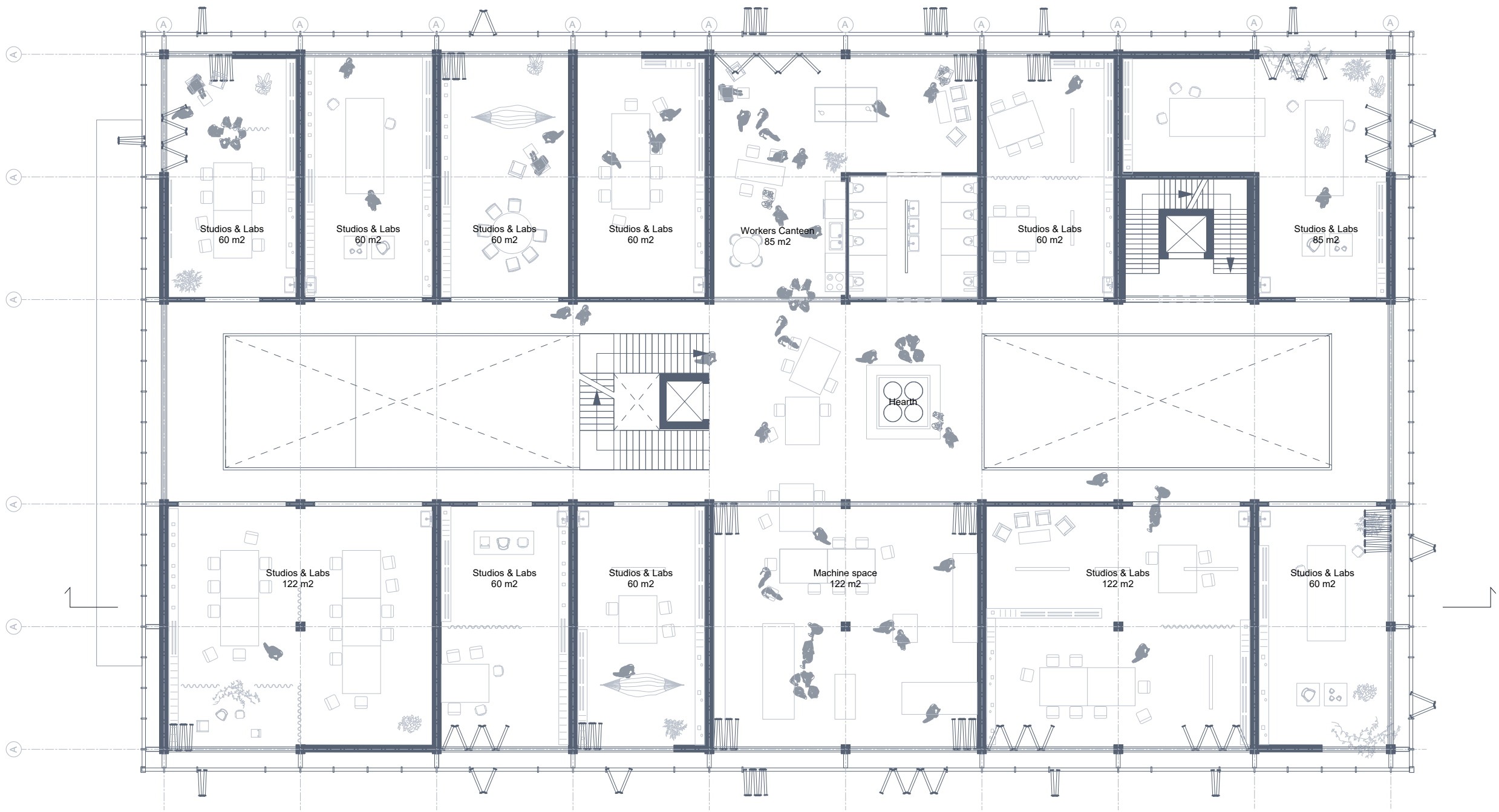
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First floorplan



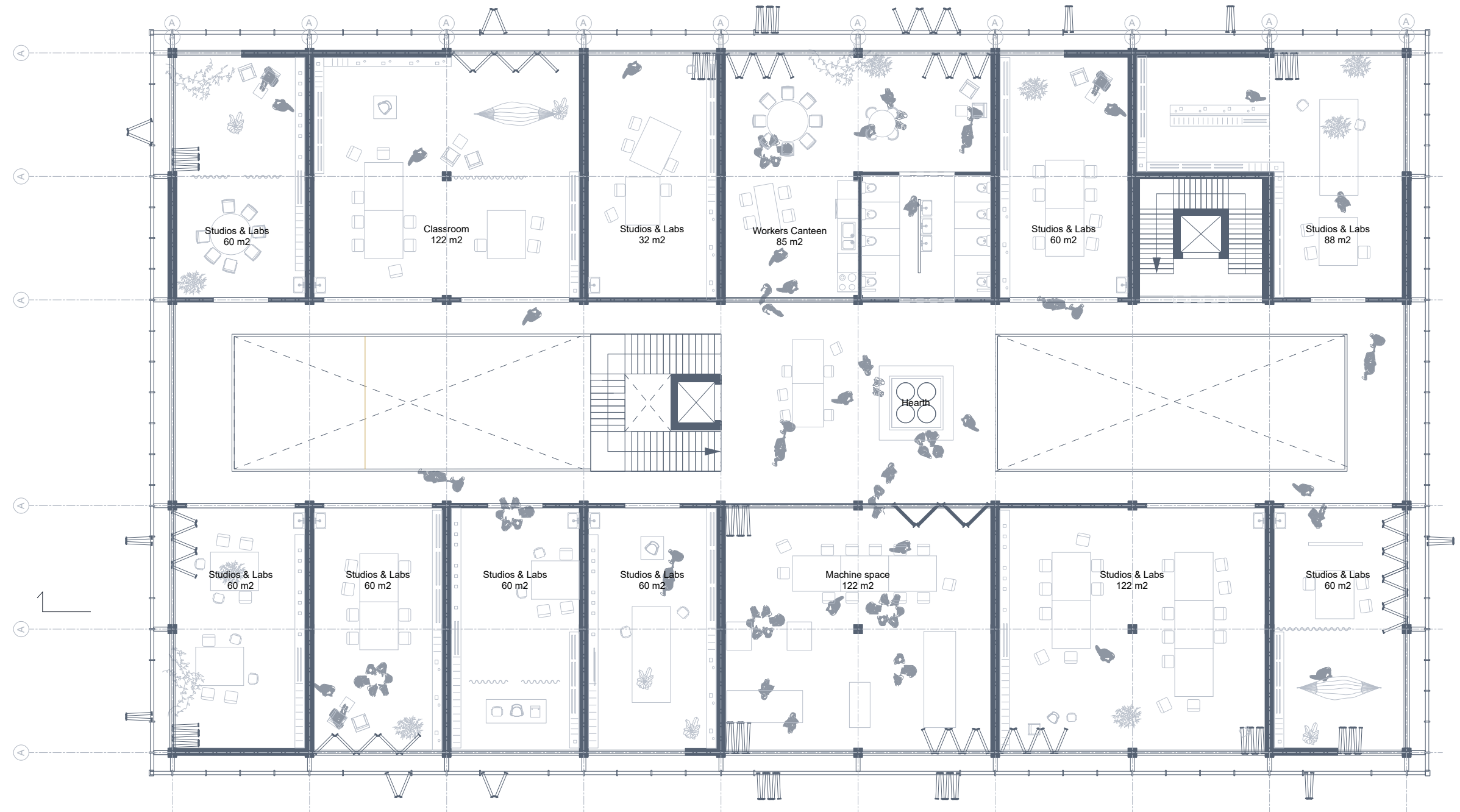
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Second floorplan



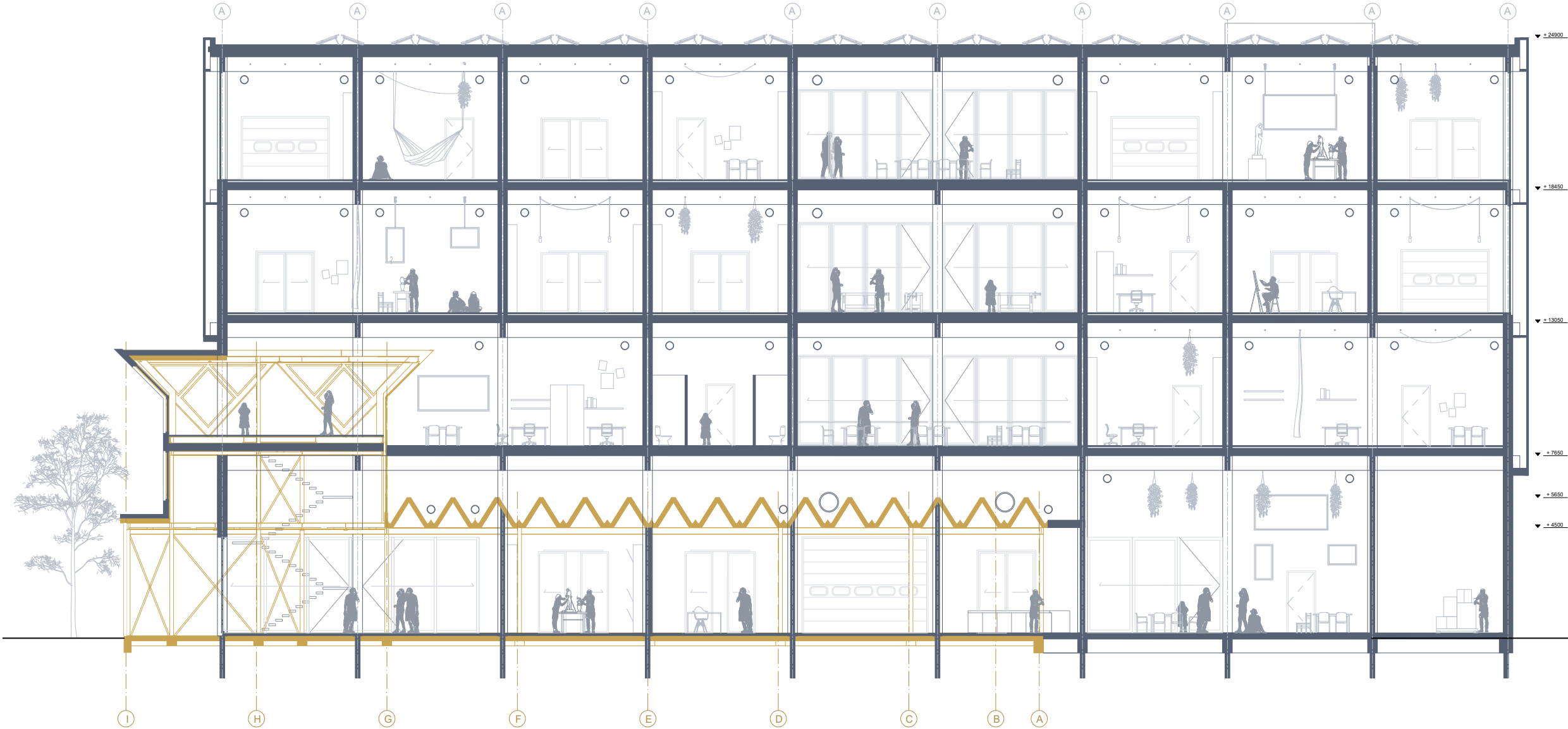
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Third floorplan



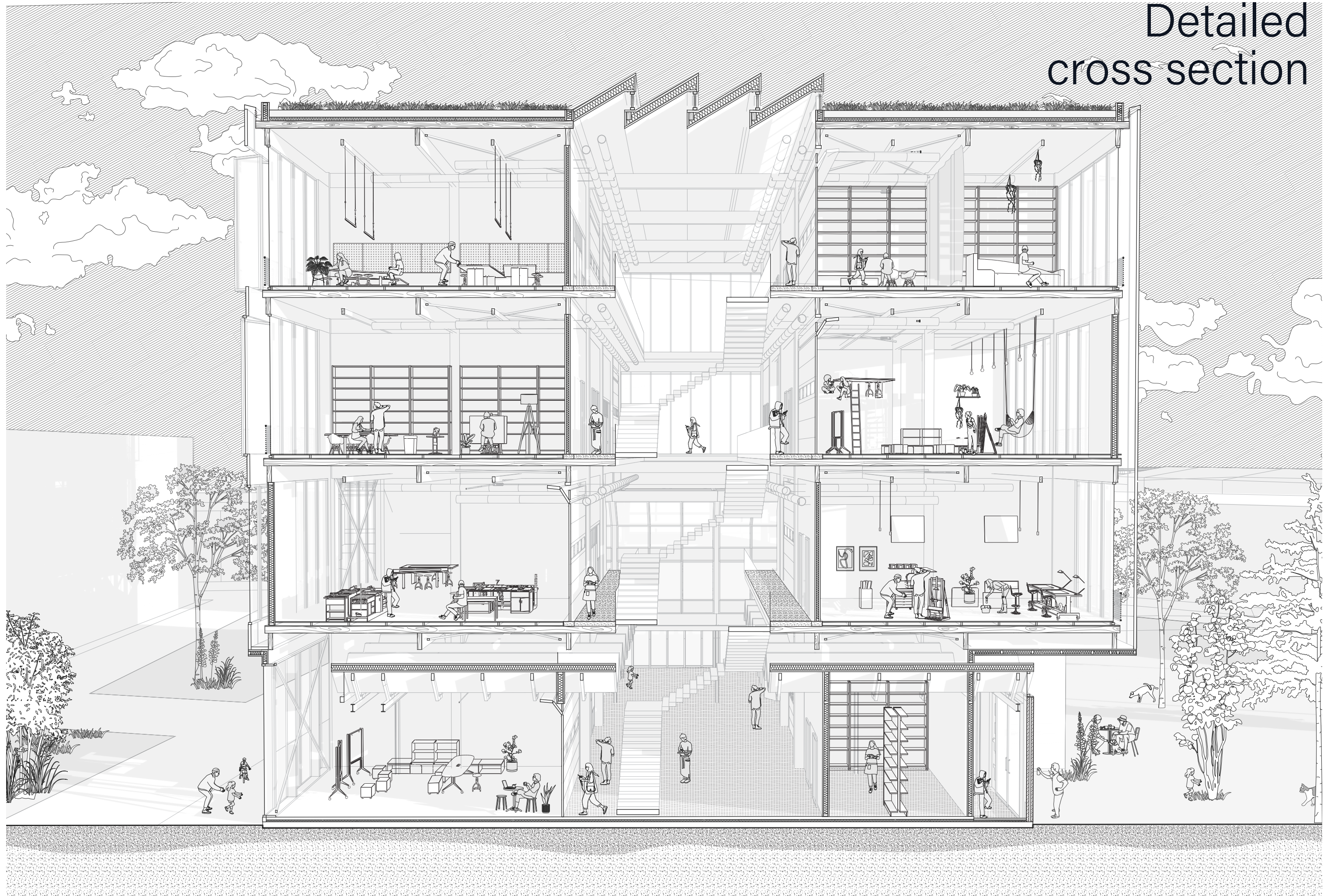
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Longitudinal section



1:200

Detailed cross section





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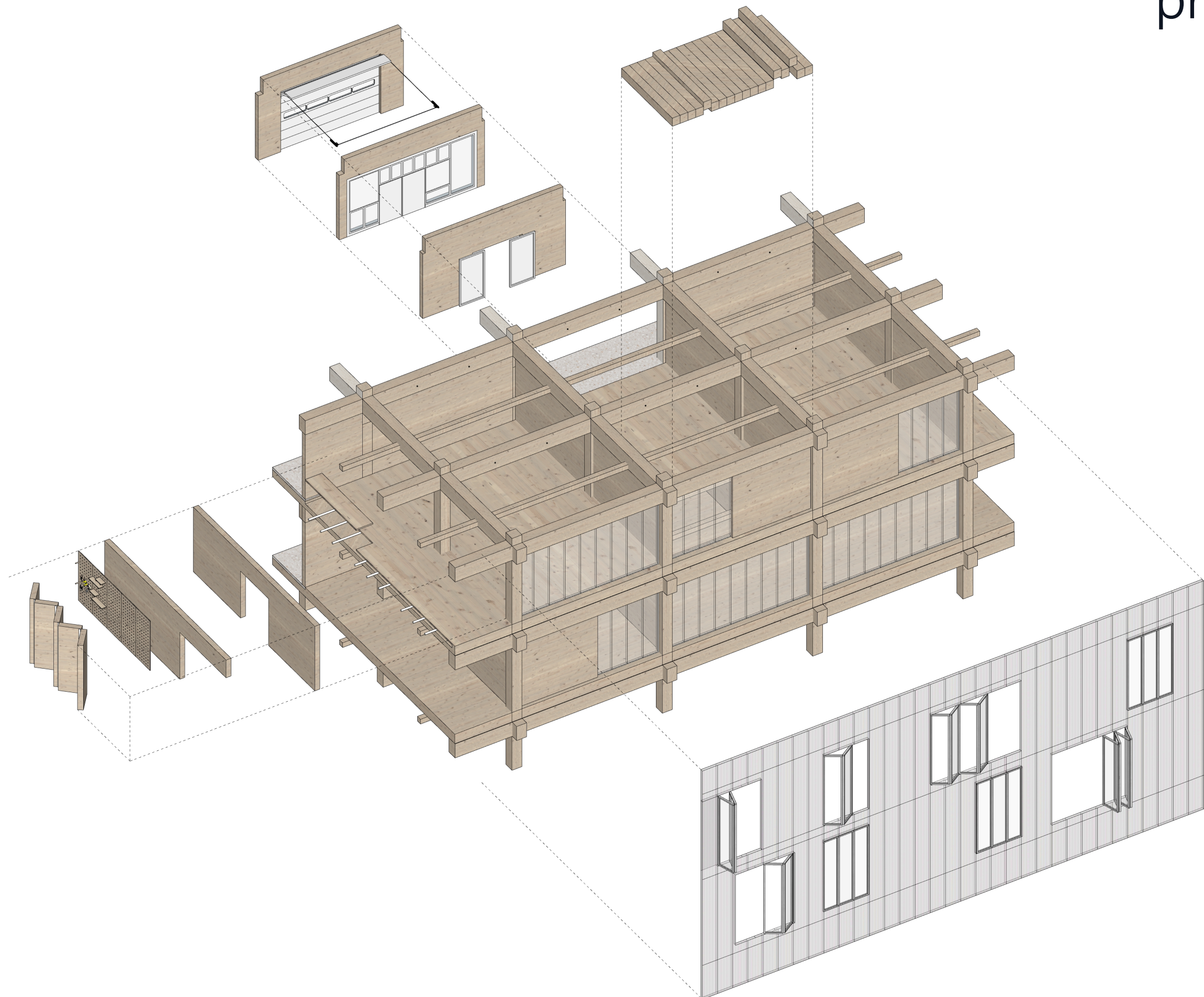
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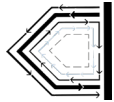
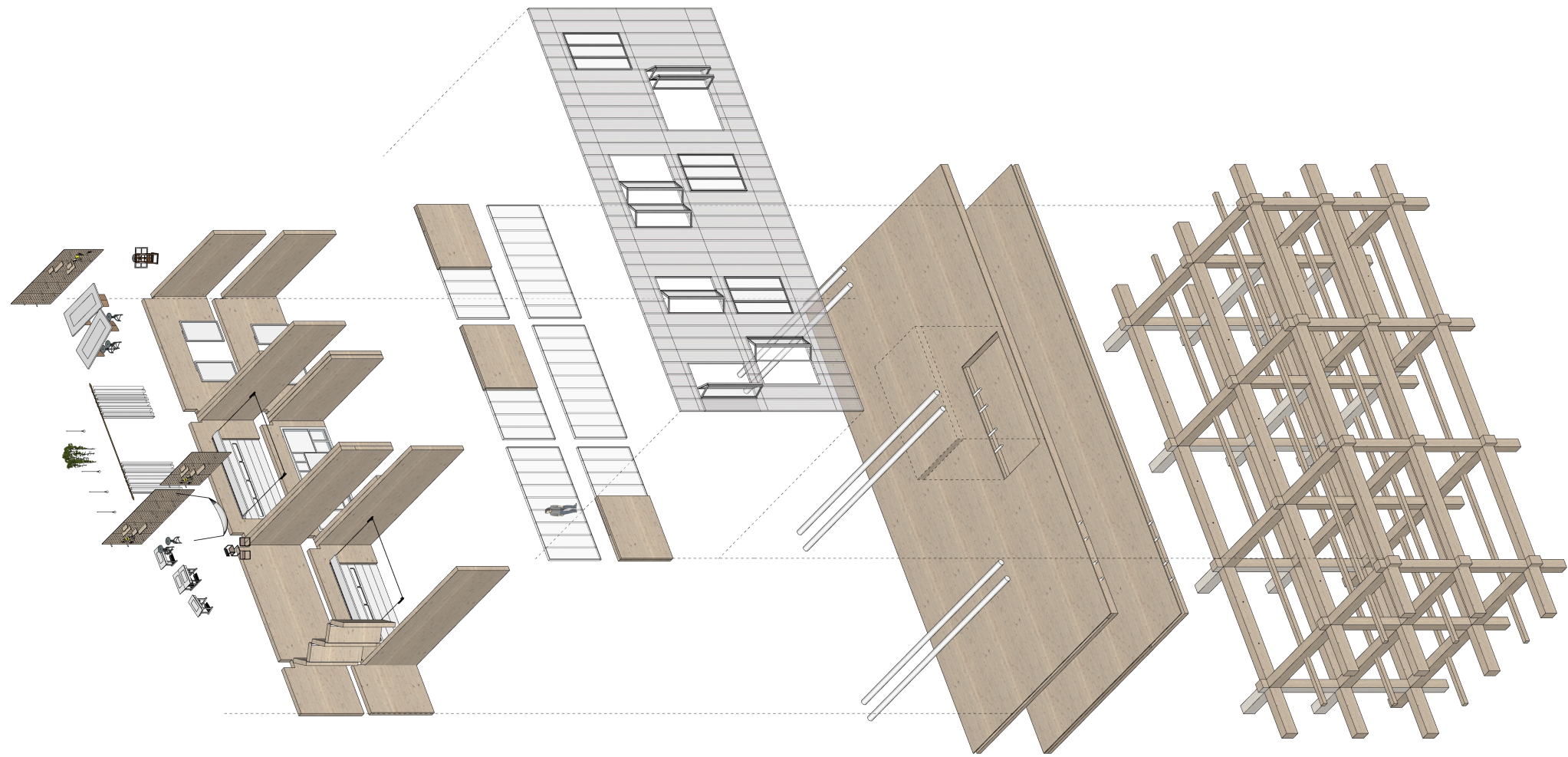
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Layers of Change.

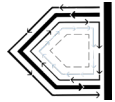
Open-building principle



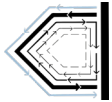
Shearing Layers



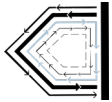
Stuff $\approx$ 7 years



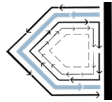
Space plan $\approx$ 15 years



Skin $\approx$ 50 years



Systems $\approx$ 25 years



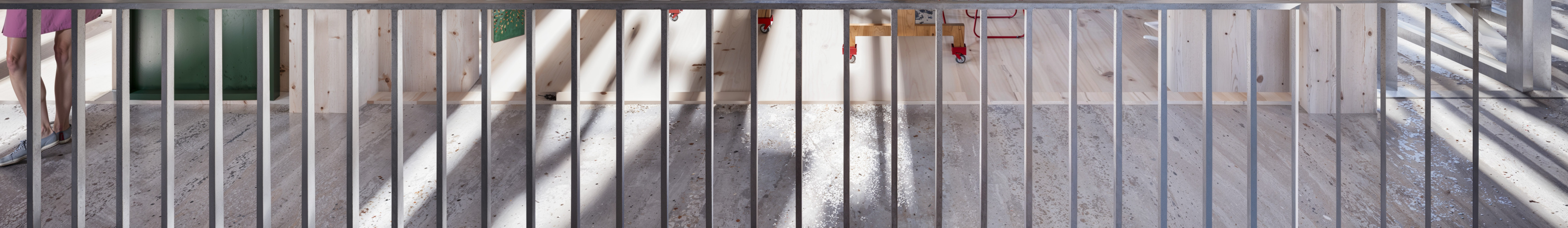
Structure $>$ 200 years



Possibe studio configuration Sculptor



Possibe studio configuration Painter



Possibe studio configuration Furniture Maker



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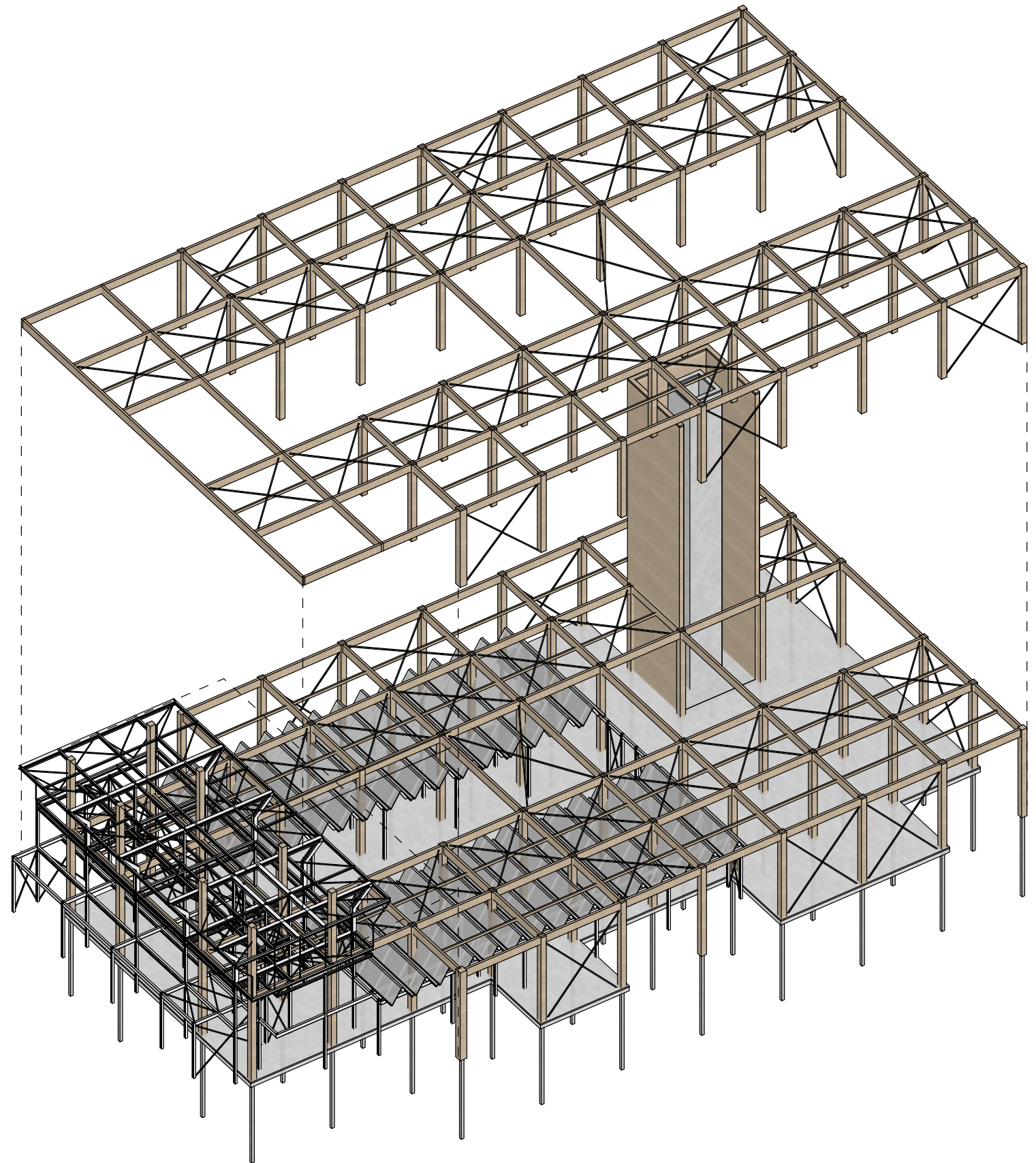
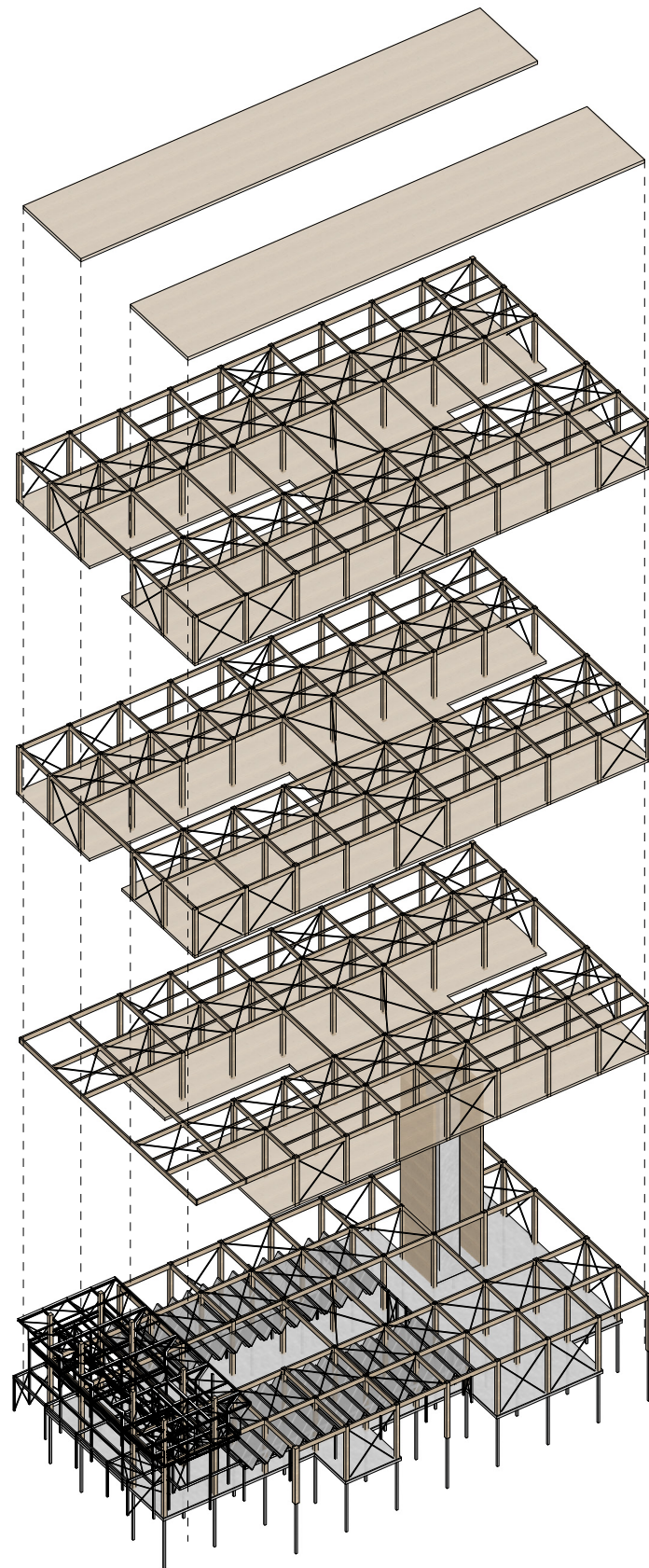
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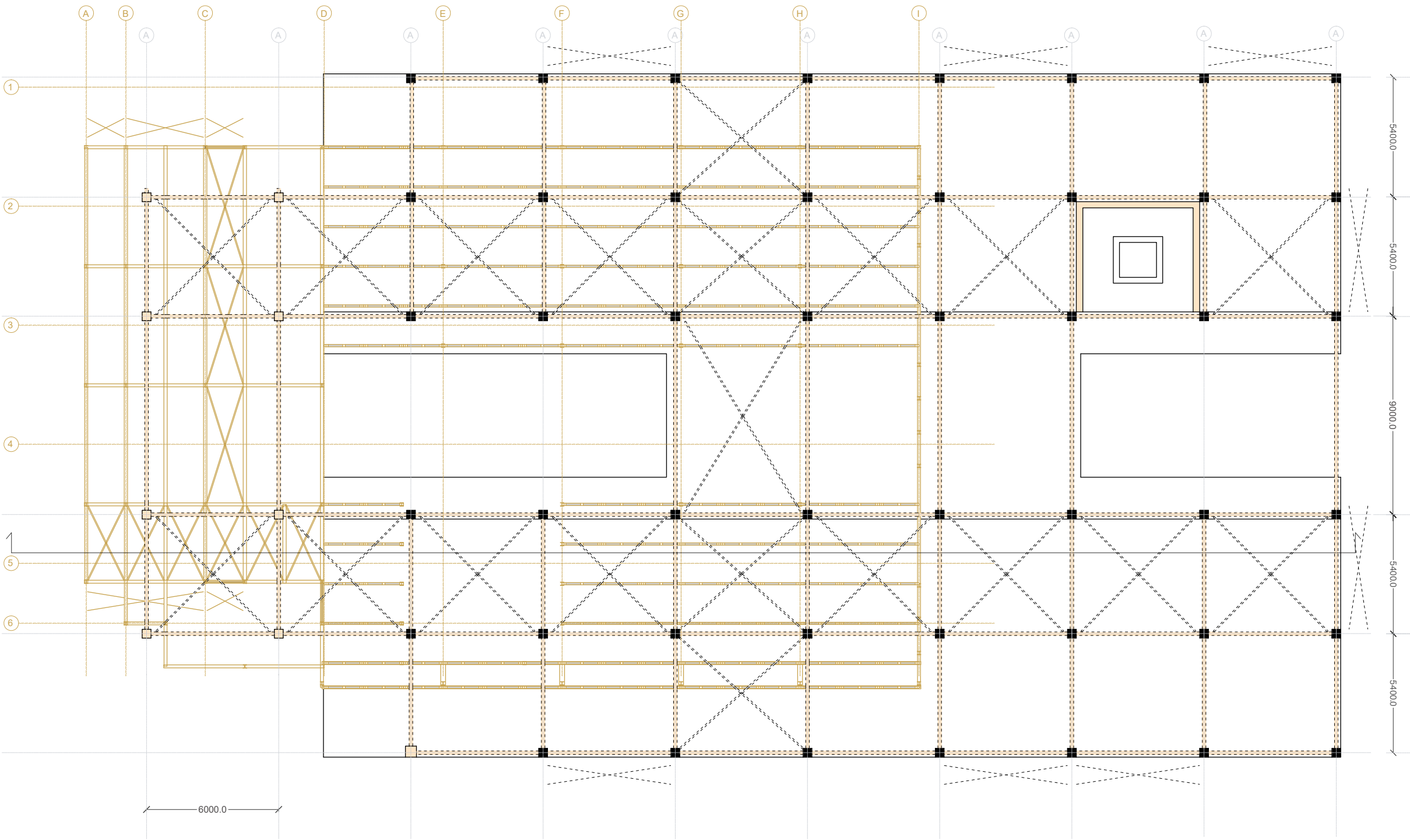
Construction.

Glulam structure



Structure floorplan

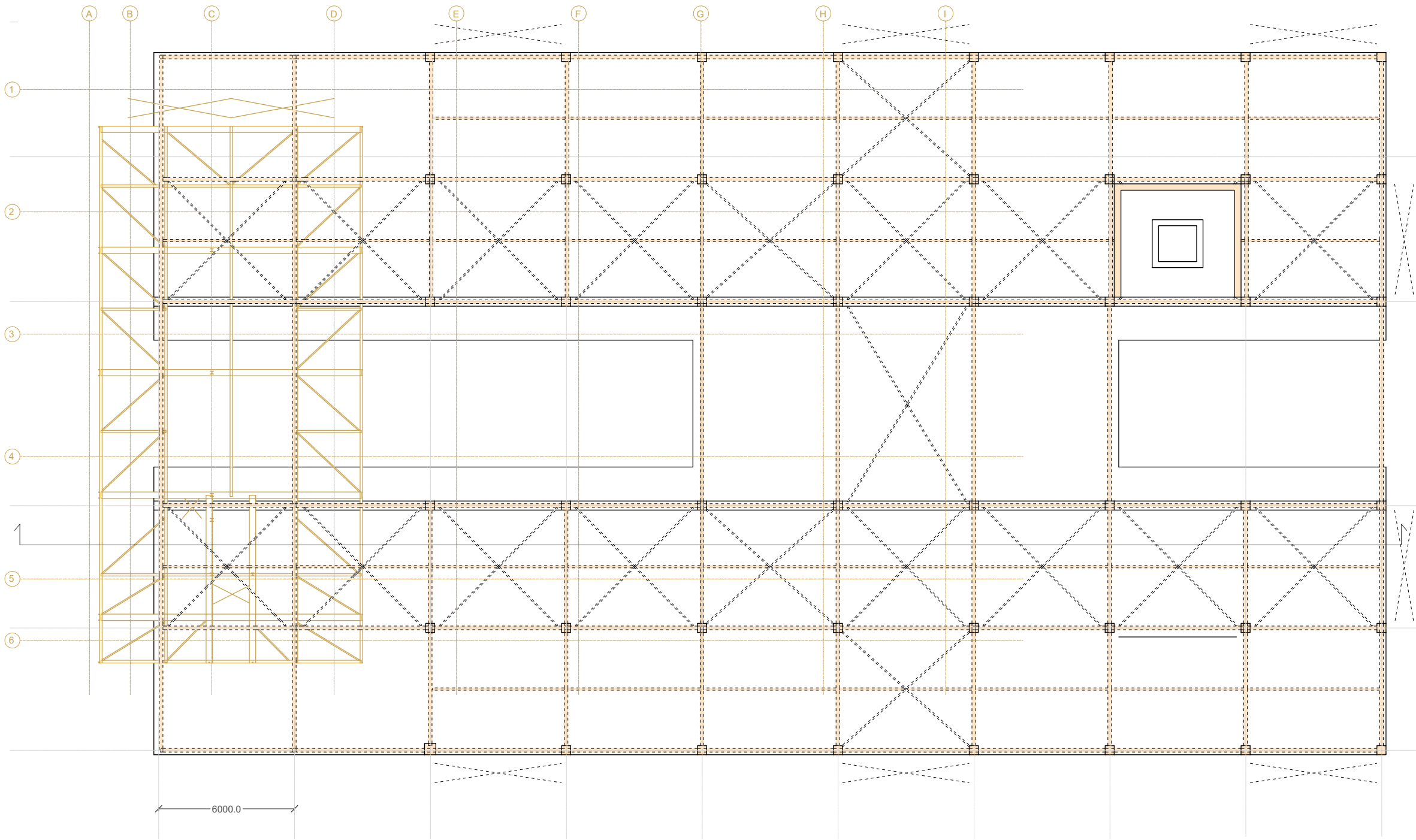
First floor



1:200

Structure floorplan

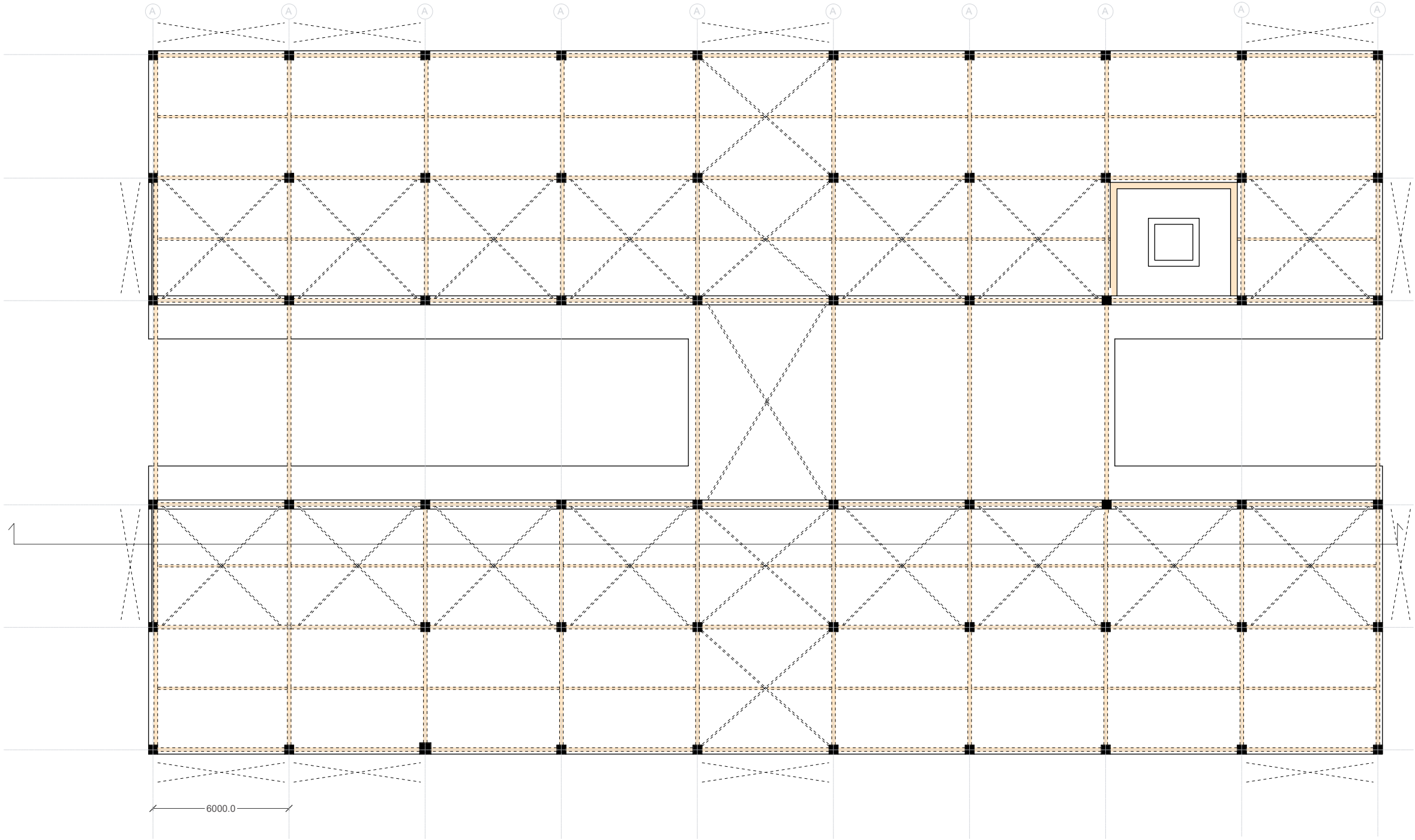
Second floor



1:200

Structure floorplan

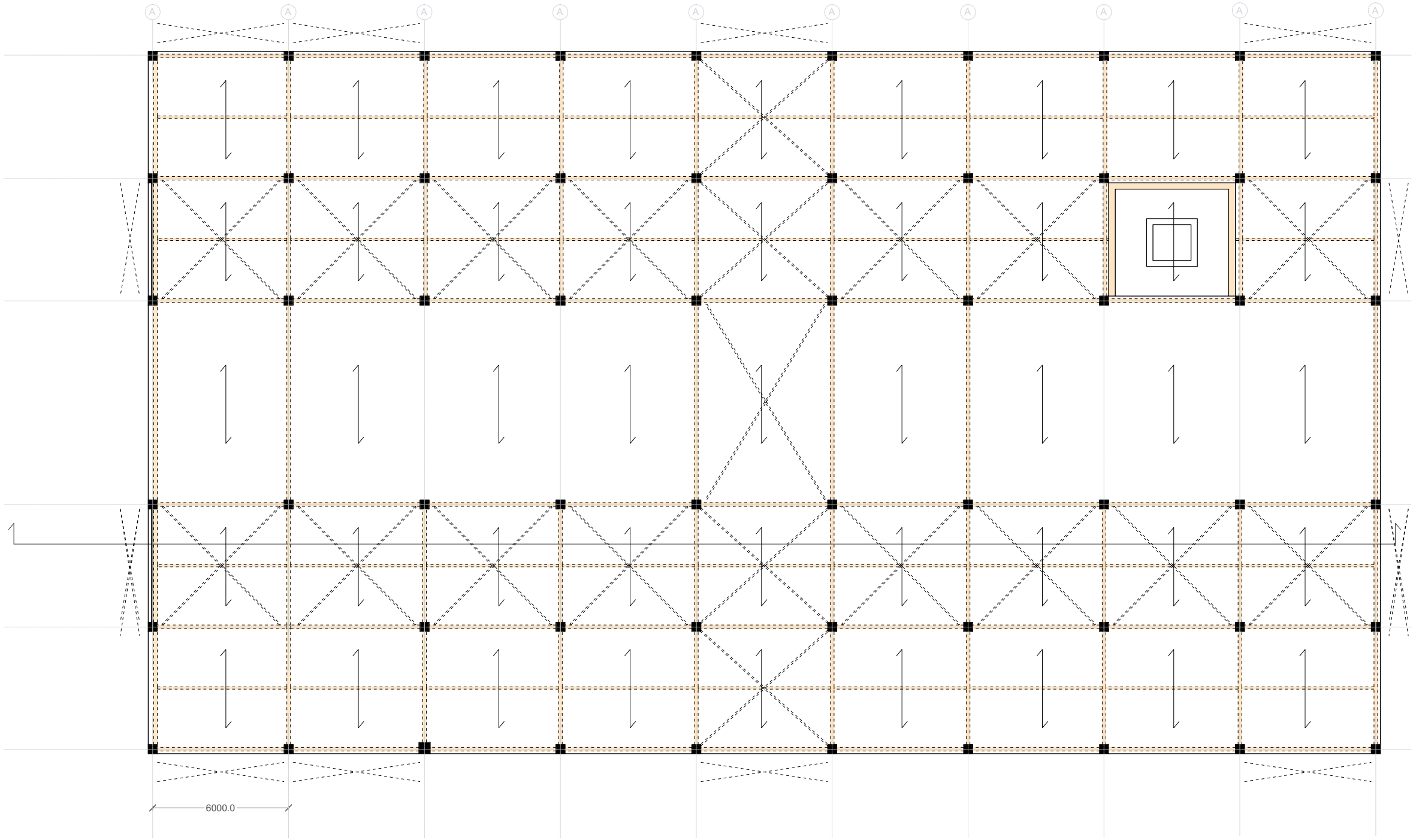
Third floor



1:200

Structure floorplan

Roof



1:200

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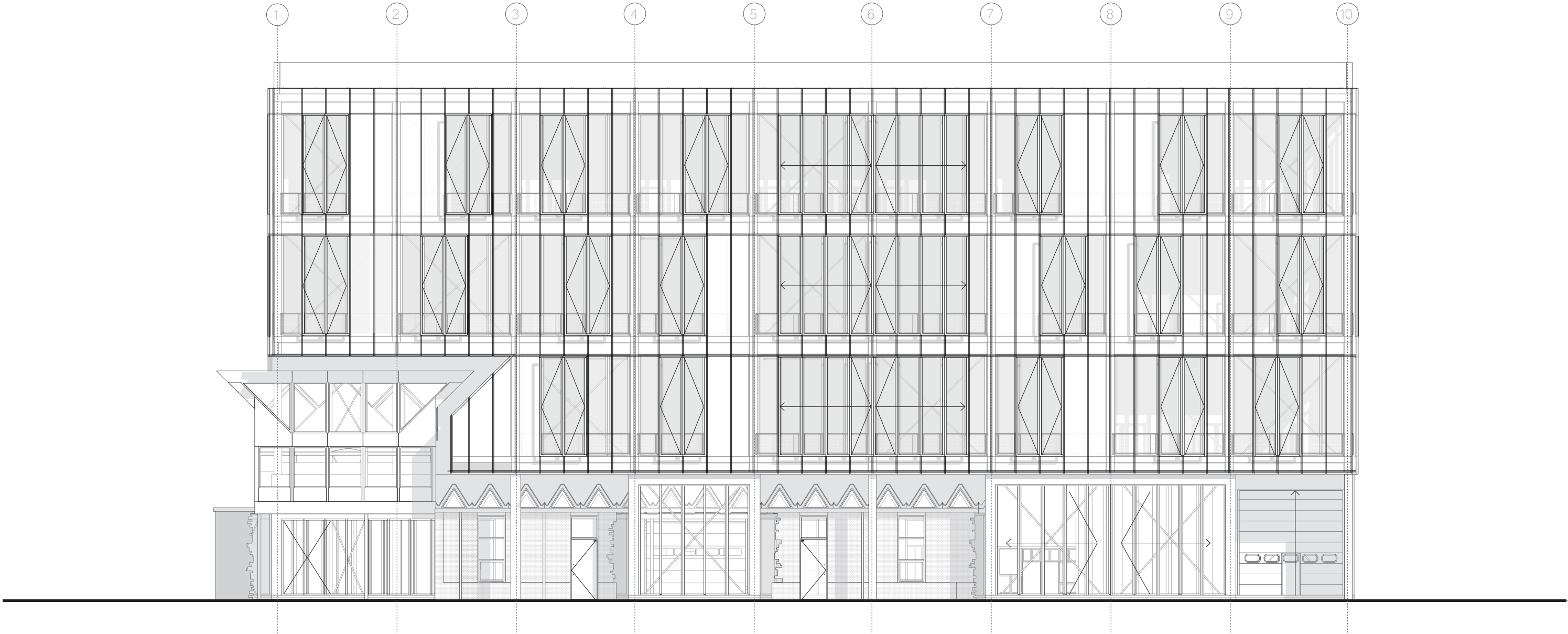
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Elevations.

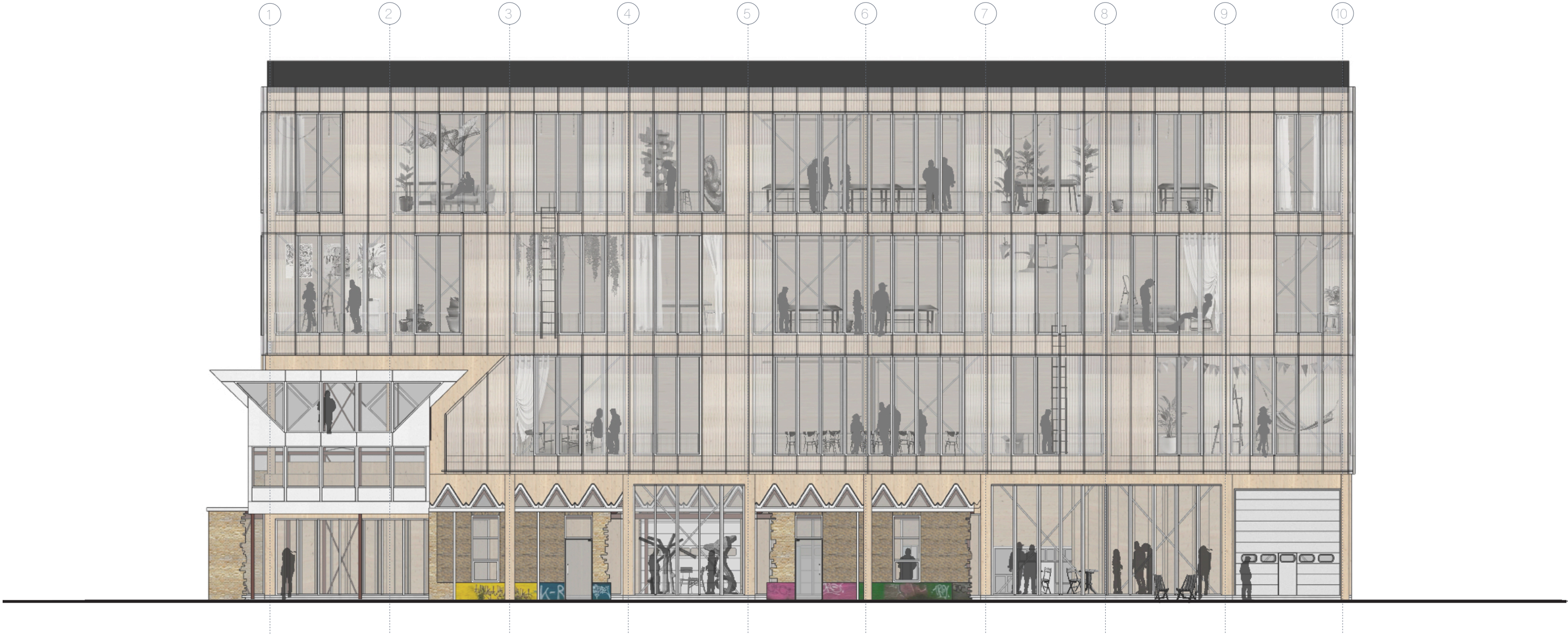


North elevation



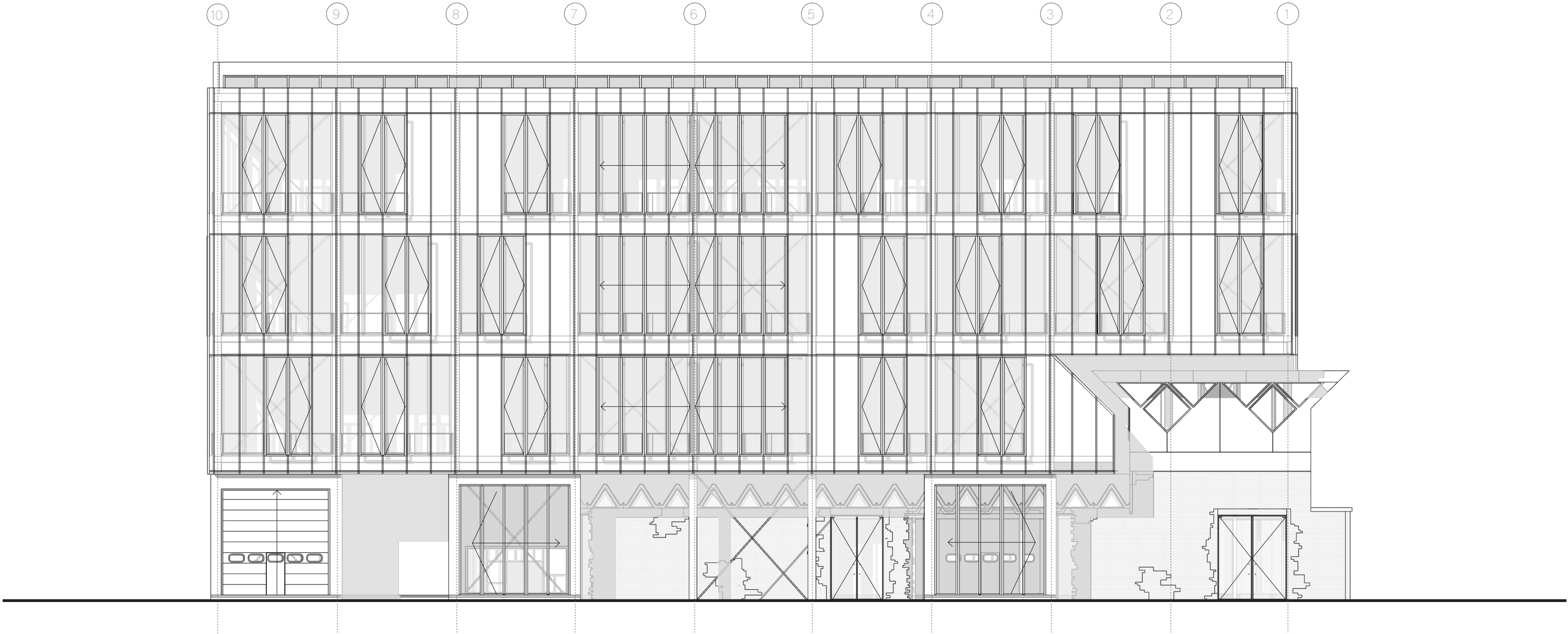
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North elevation



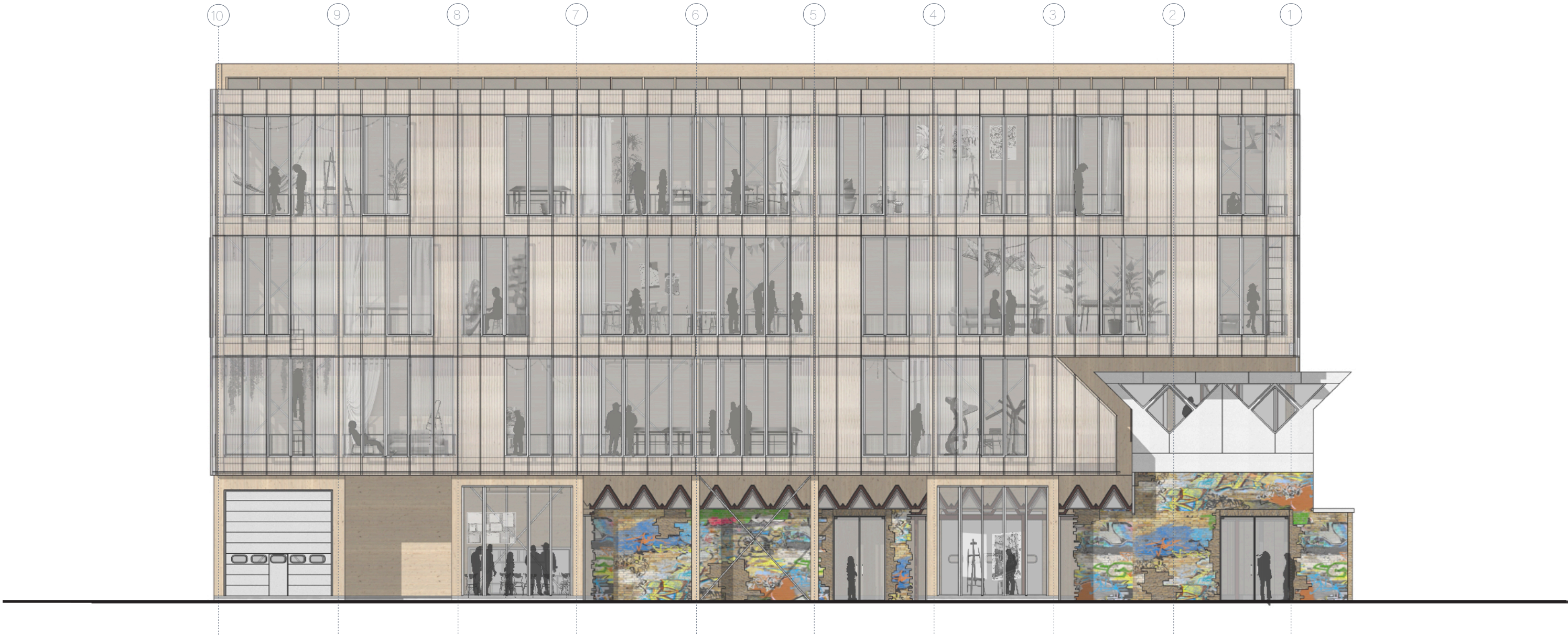
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South elevation



1:200

South elevation

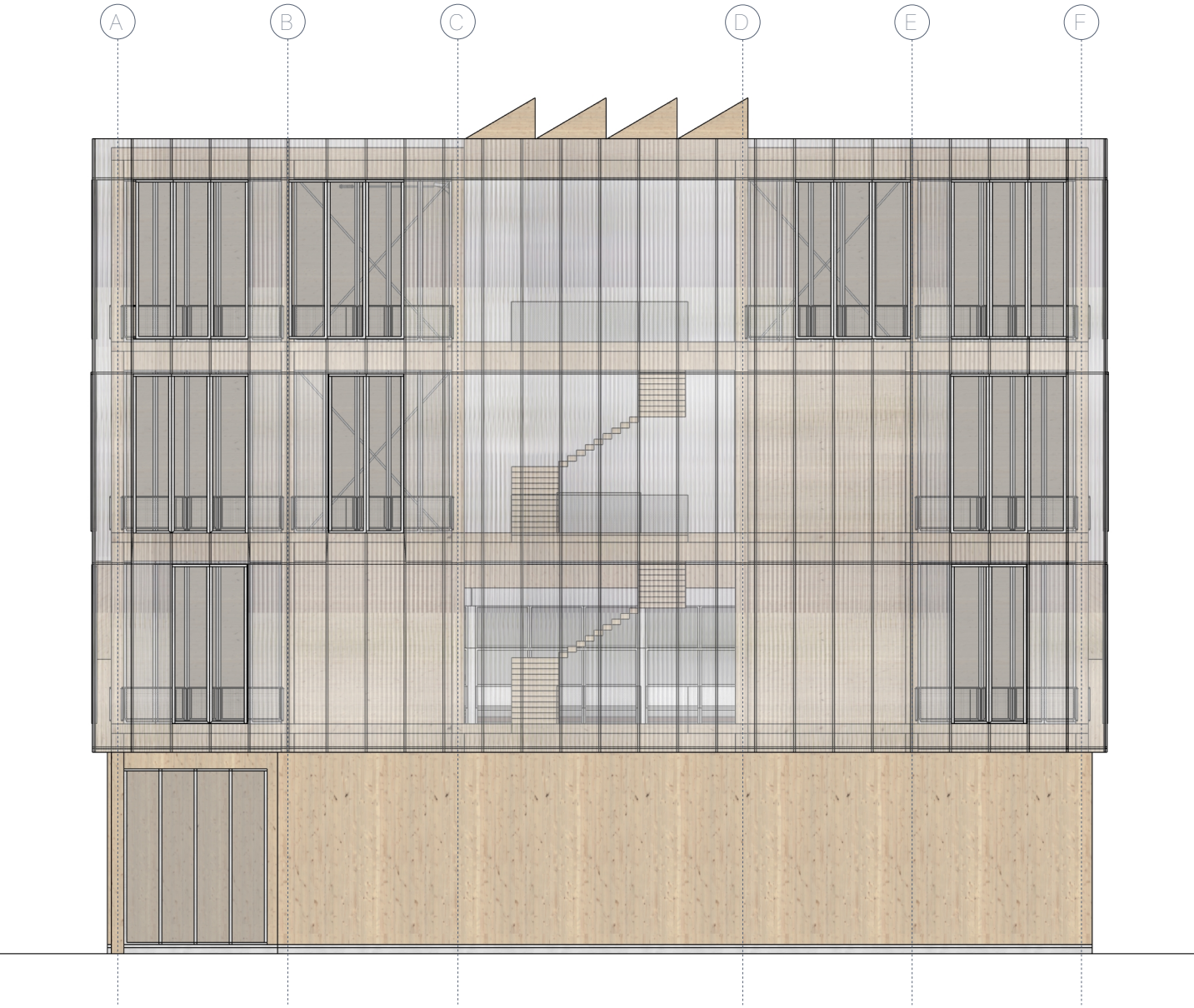


1:200

West - & east elevation



West - & east elevation



1:200

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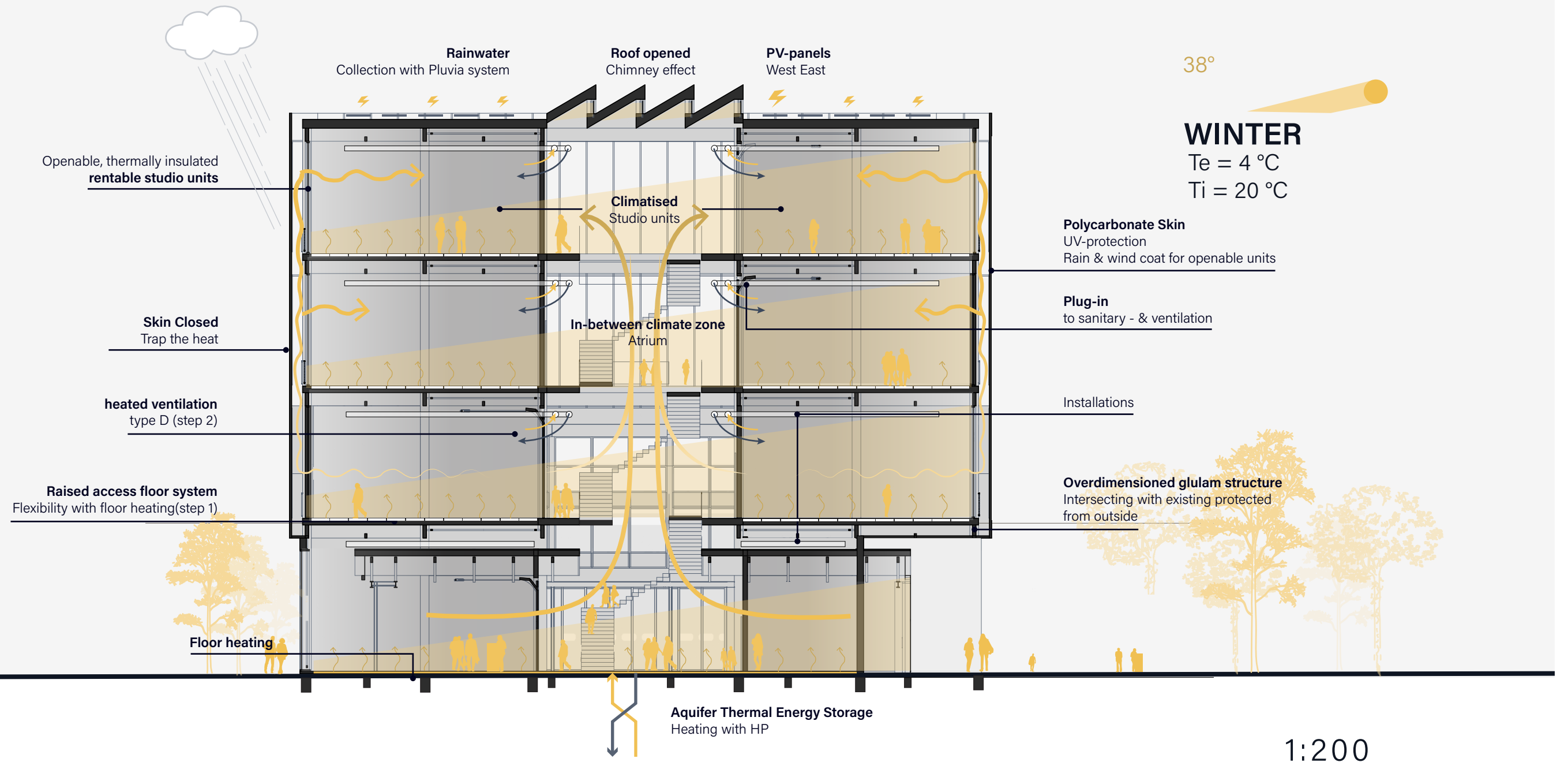
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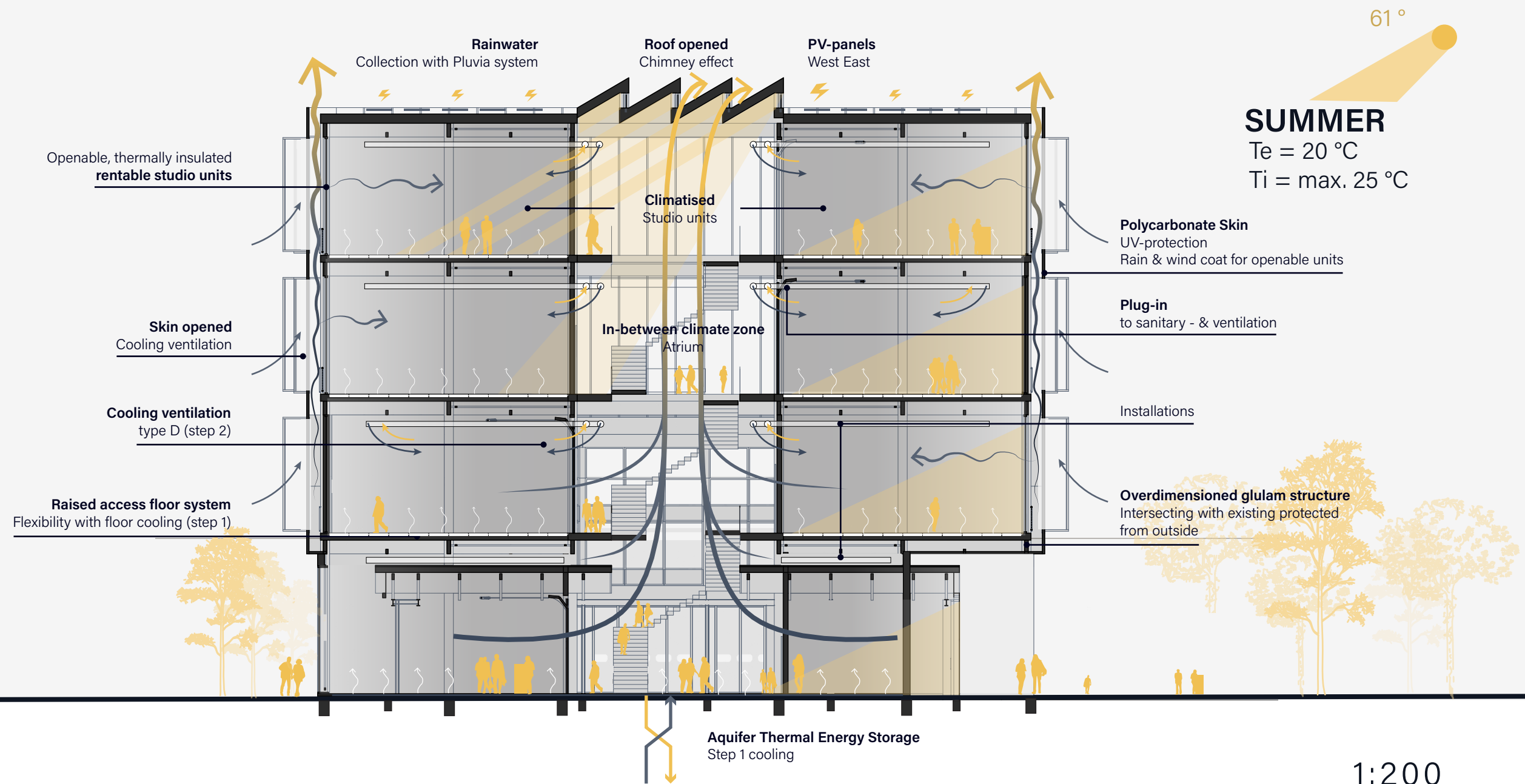
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Climate.

Climate section Winter



Climate section Summer



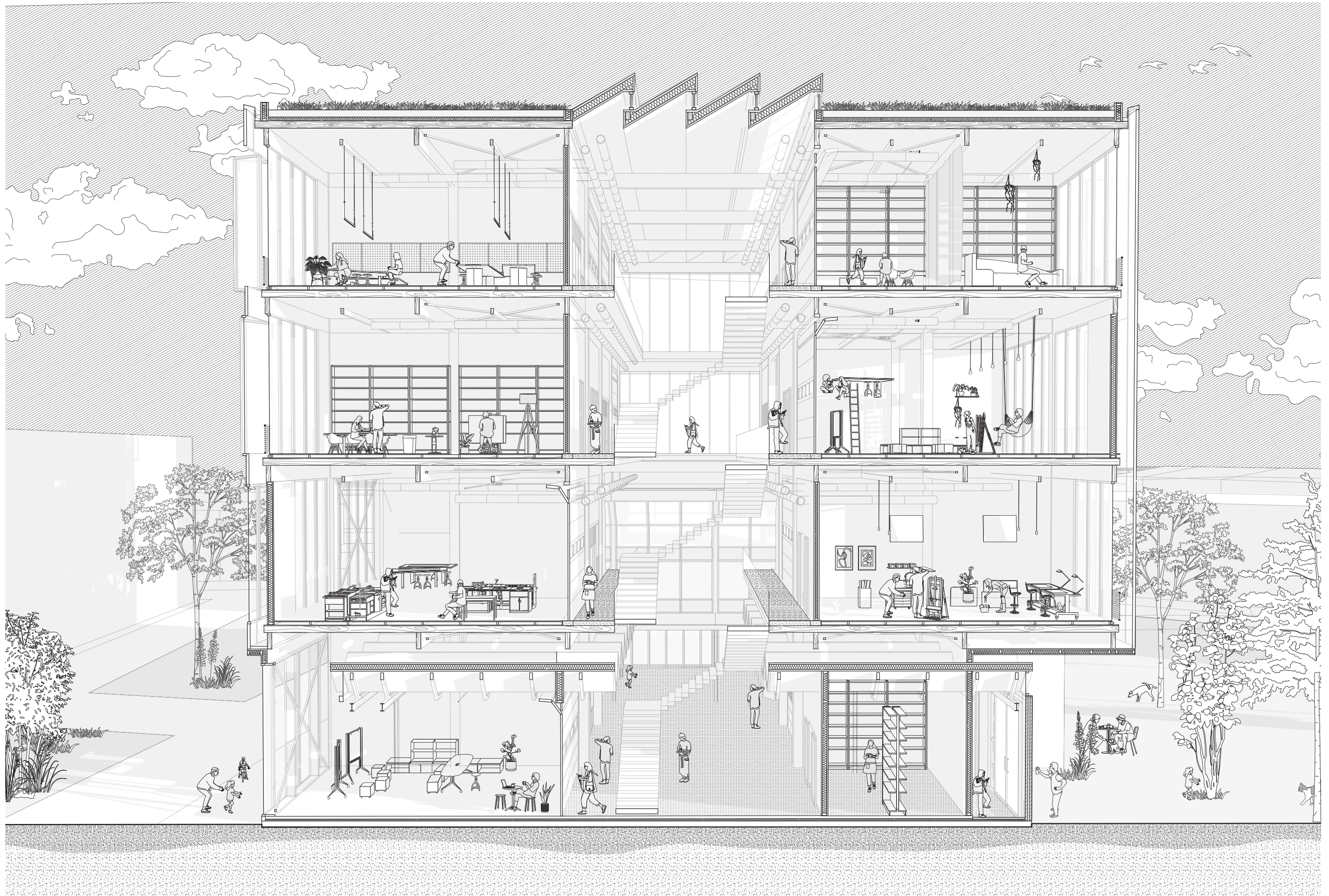
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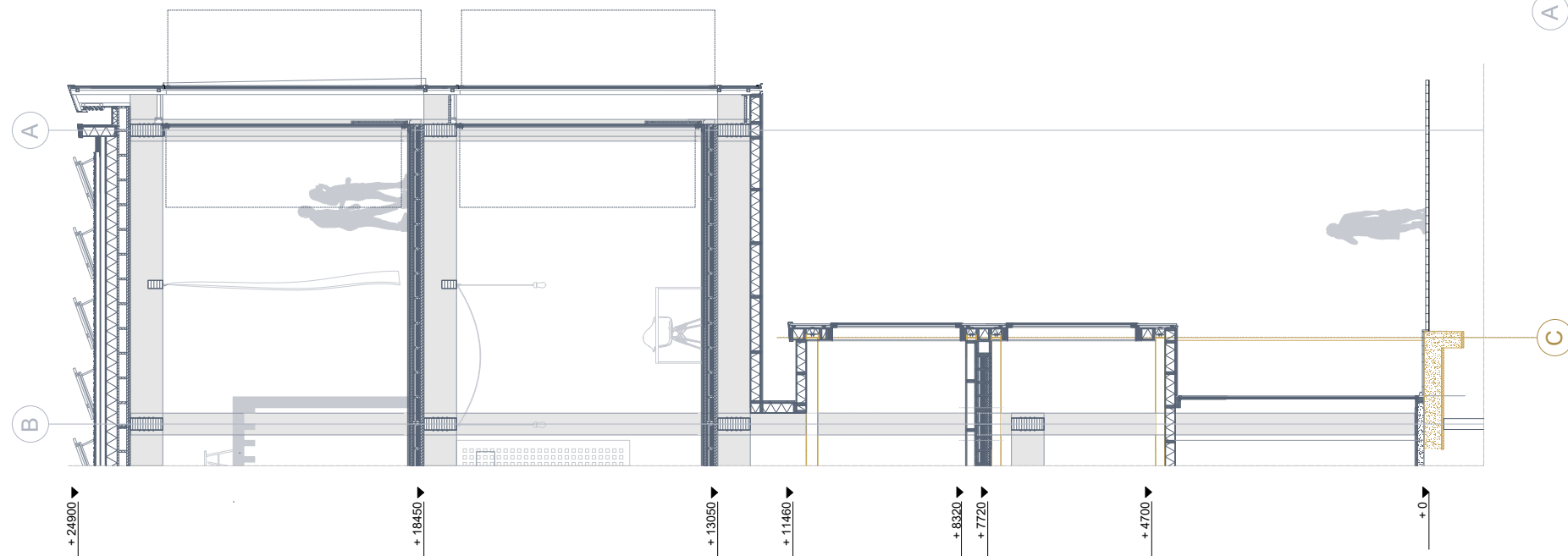
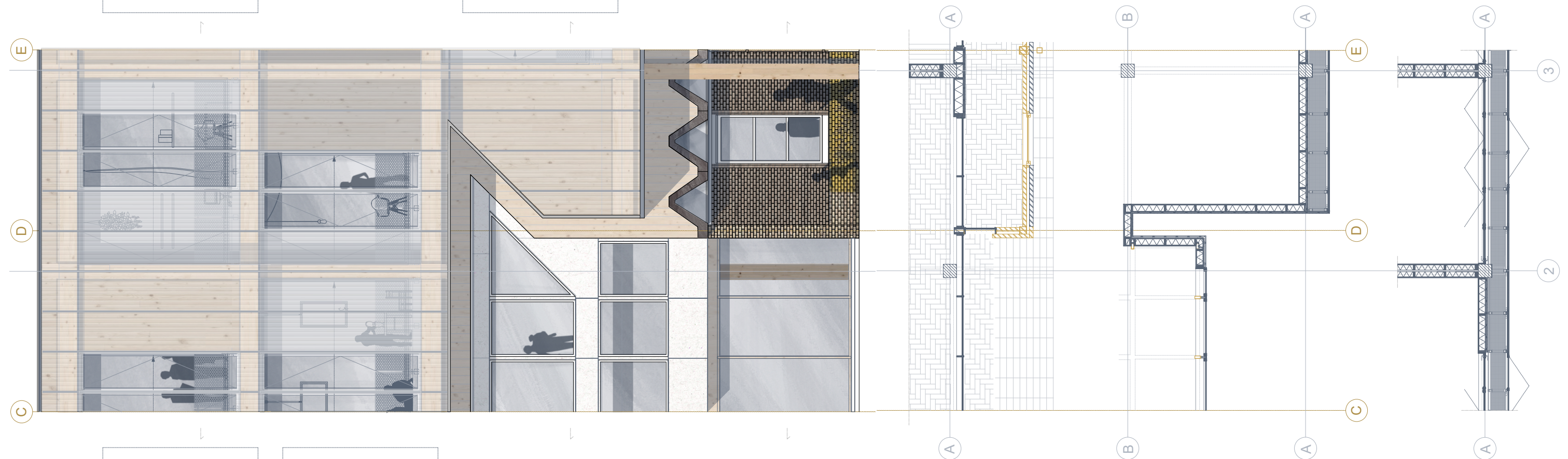
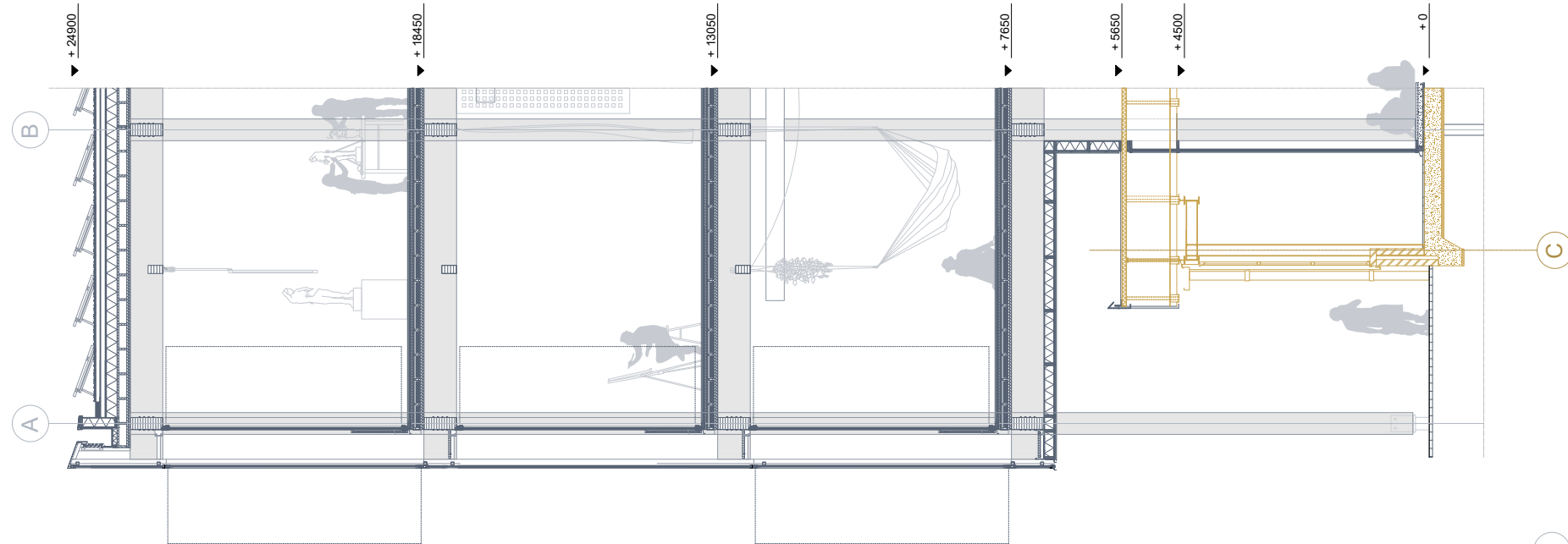
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Detailing.

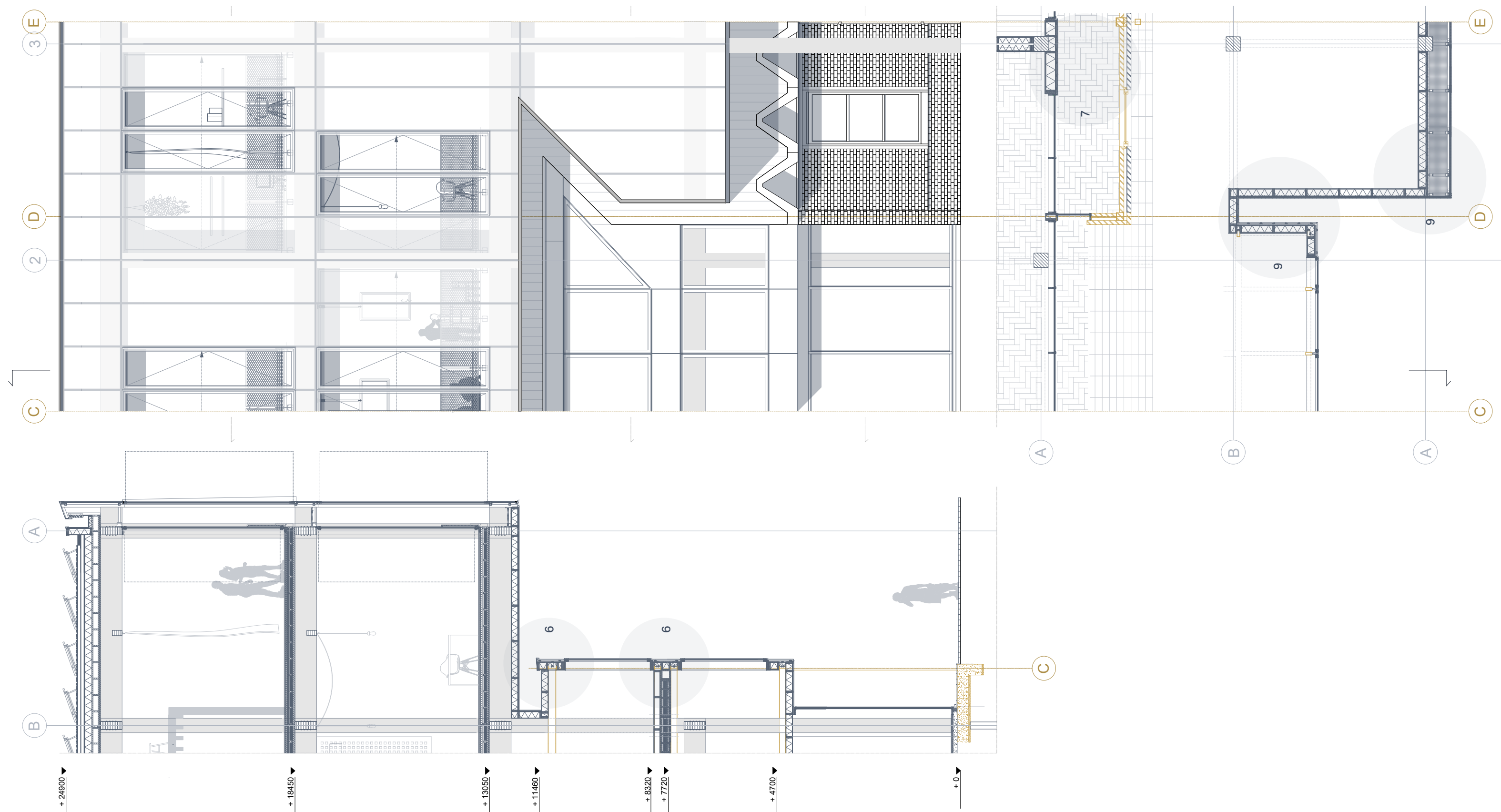


Fragment 1:50



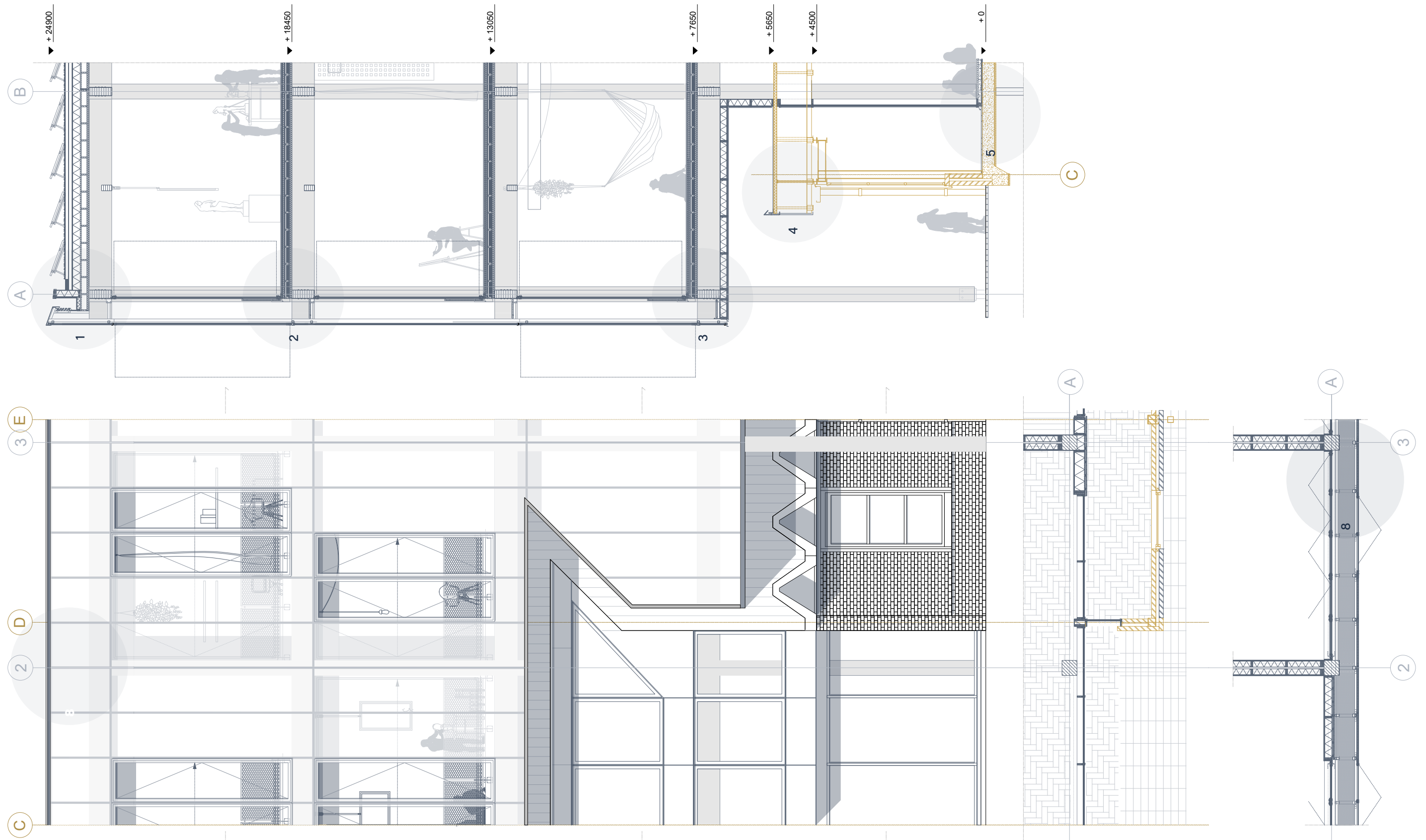
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Fragment



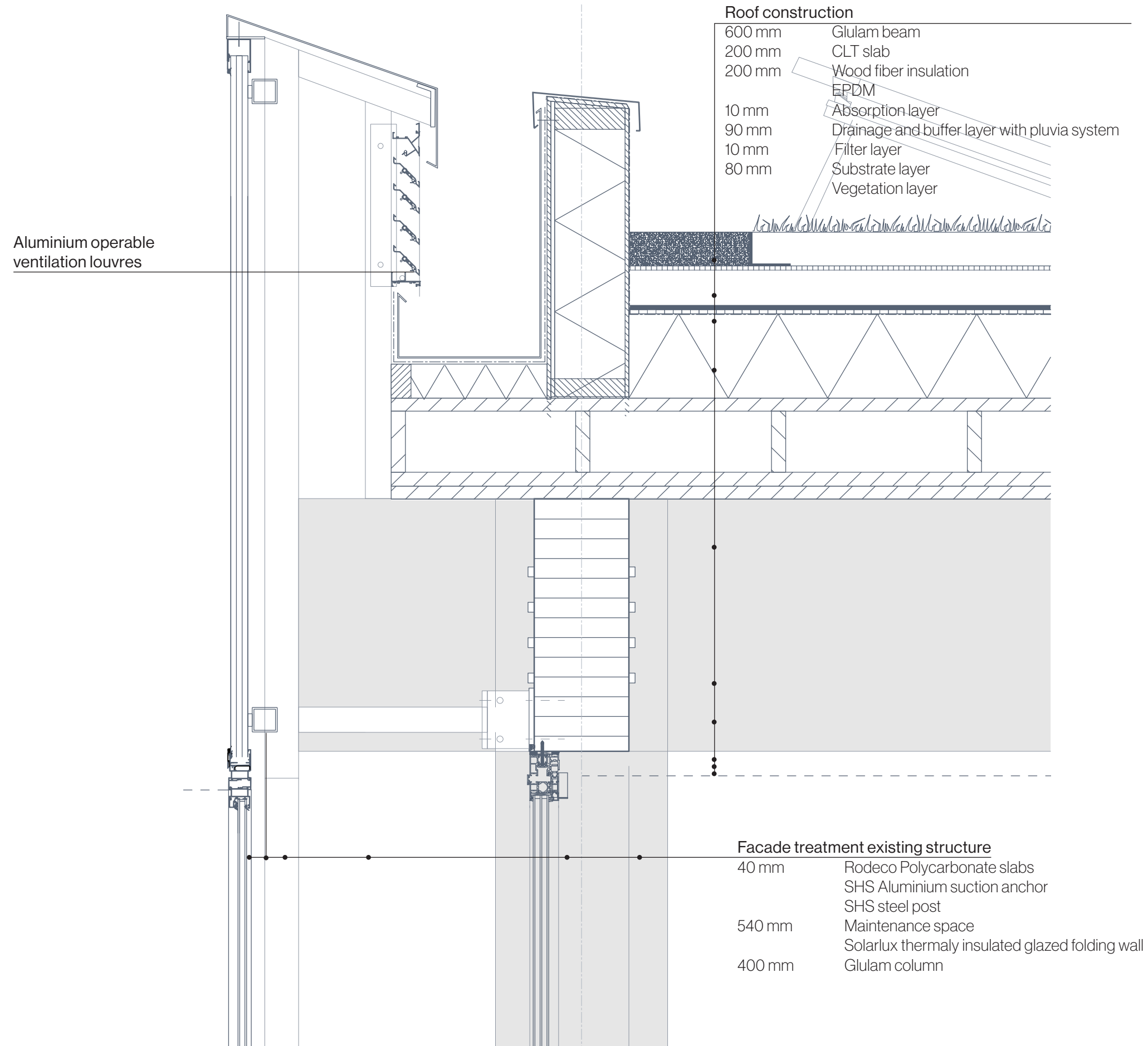
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Fragment

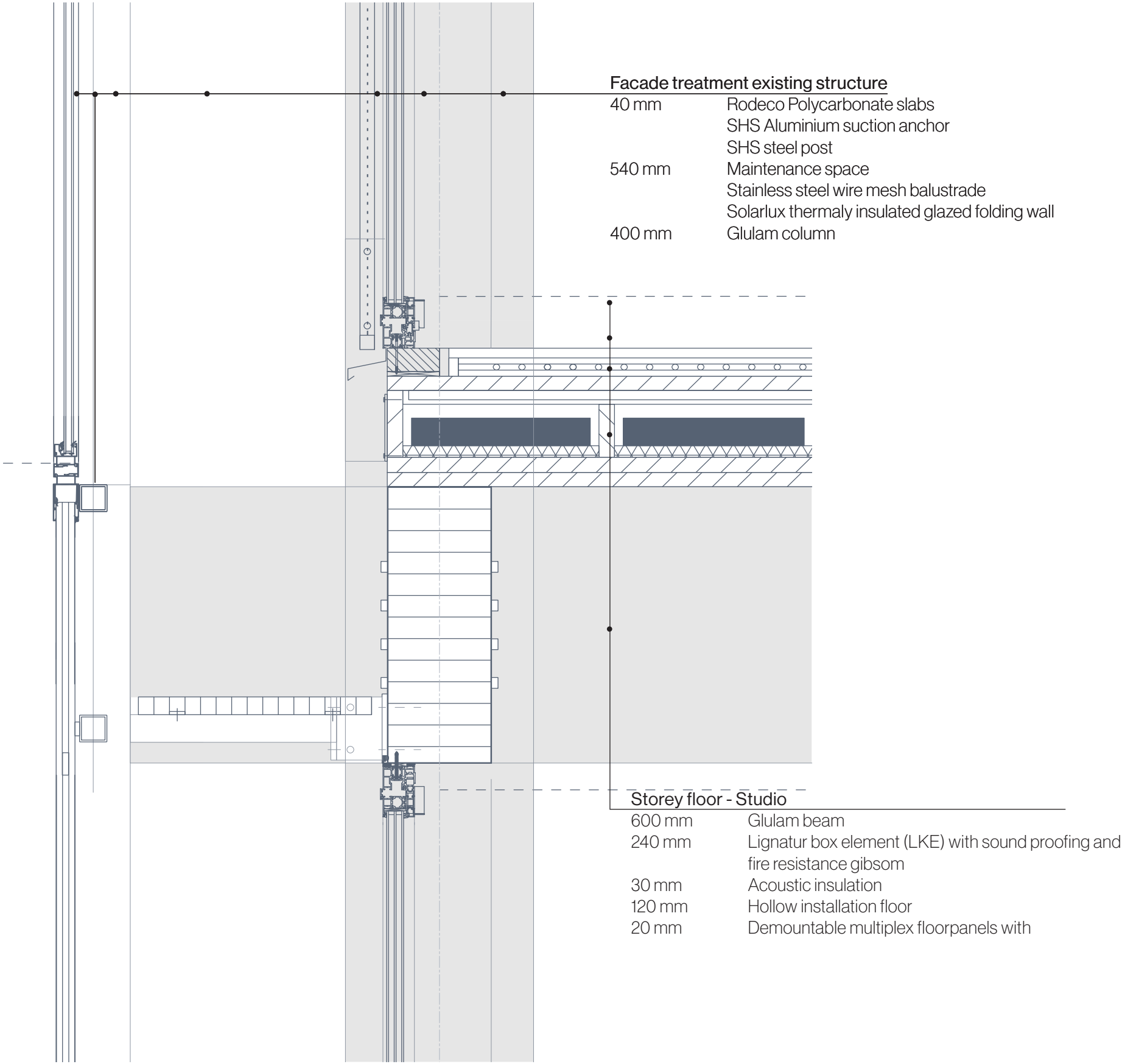


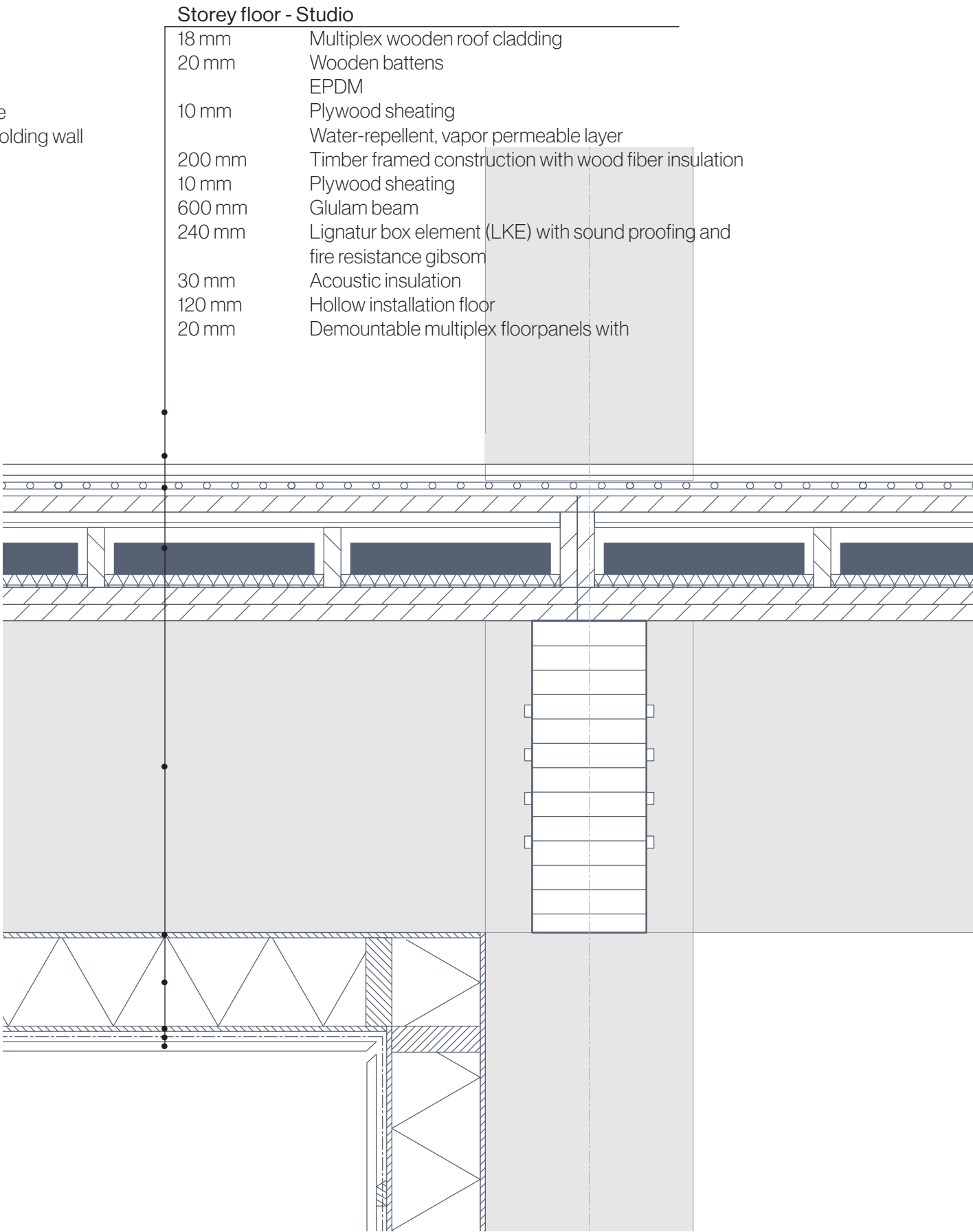
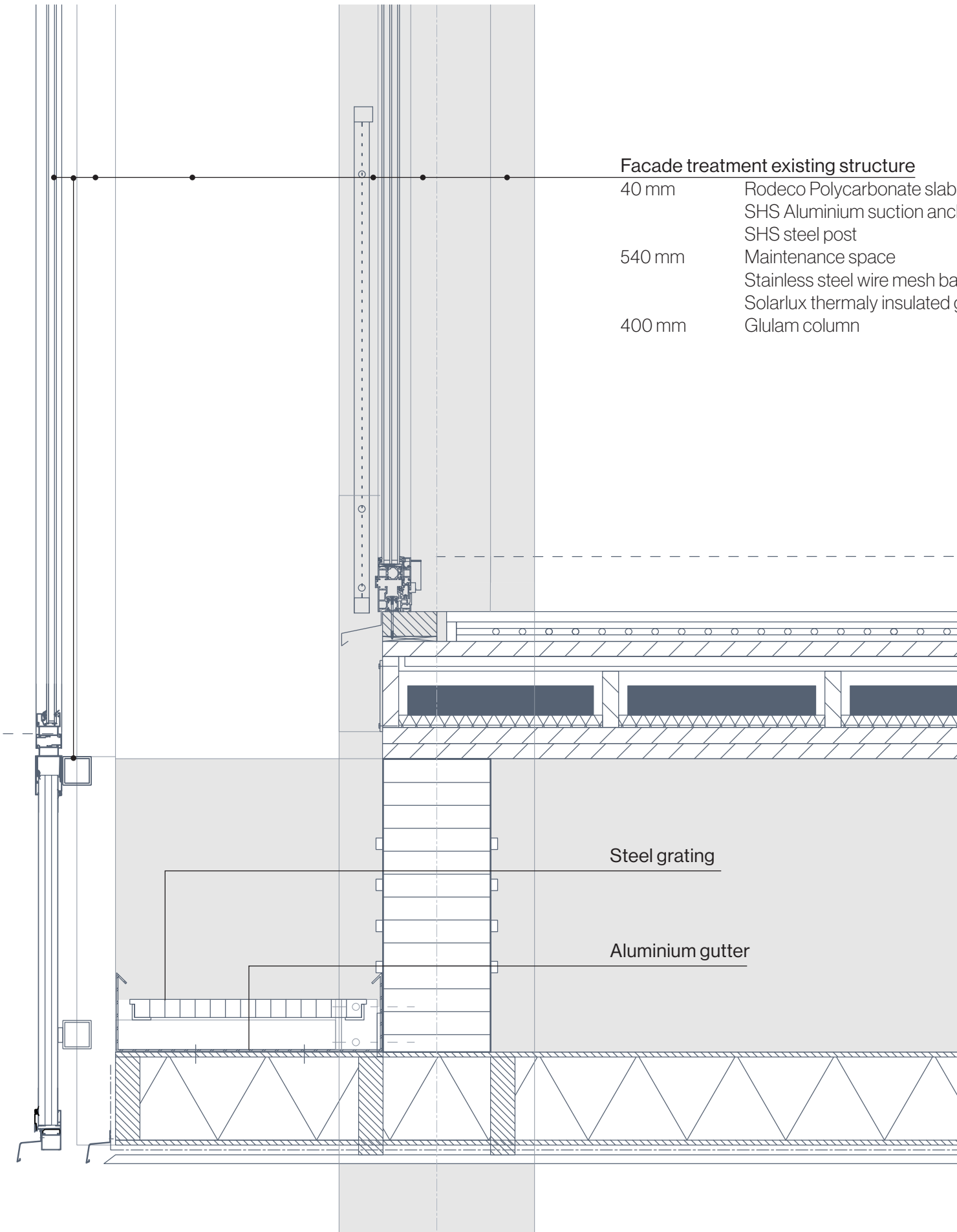
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1:10 detail 1

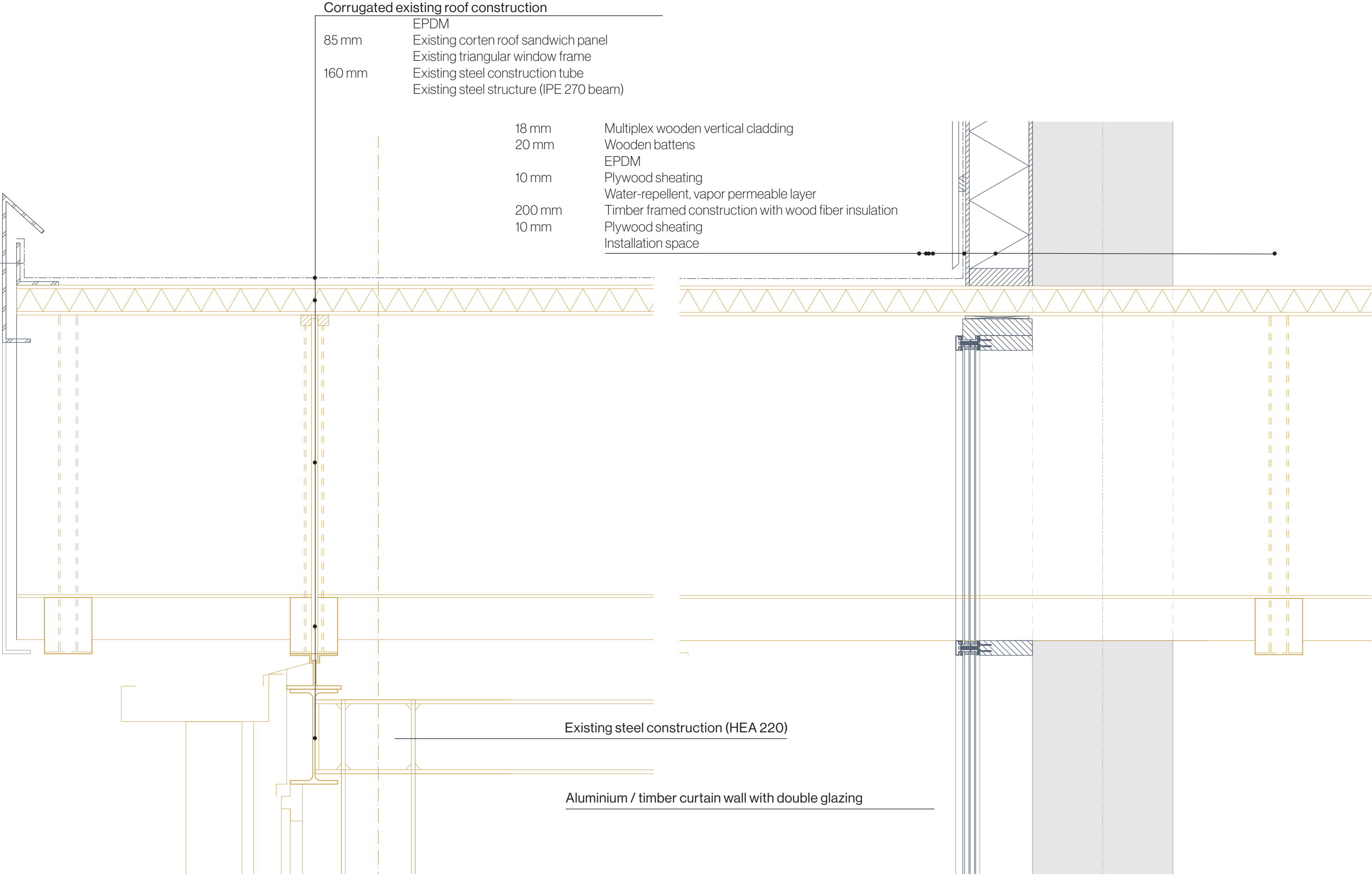


1:10 detail 2

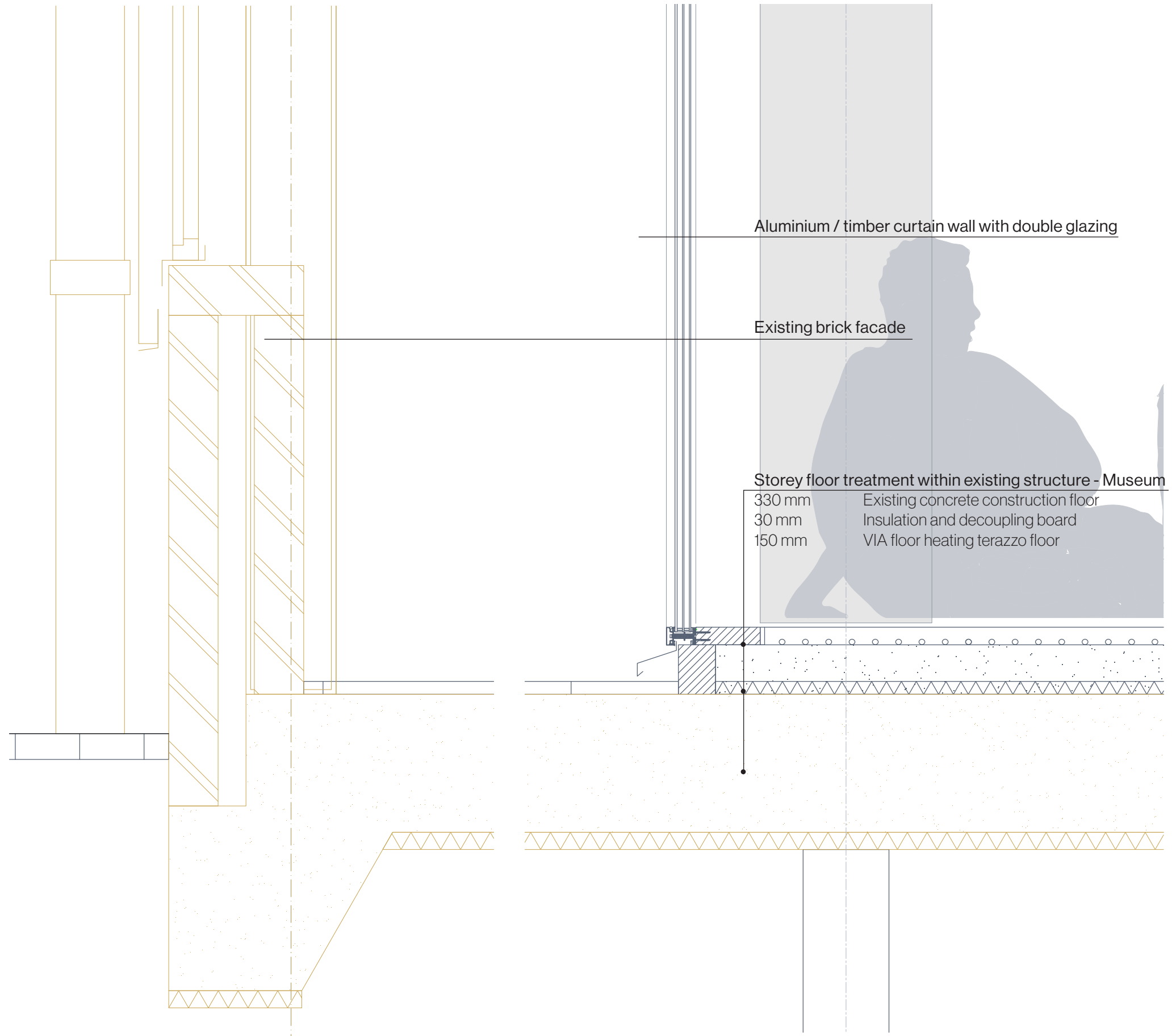




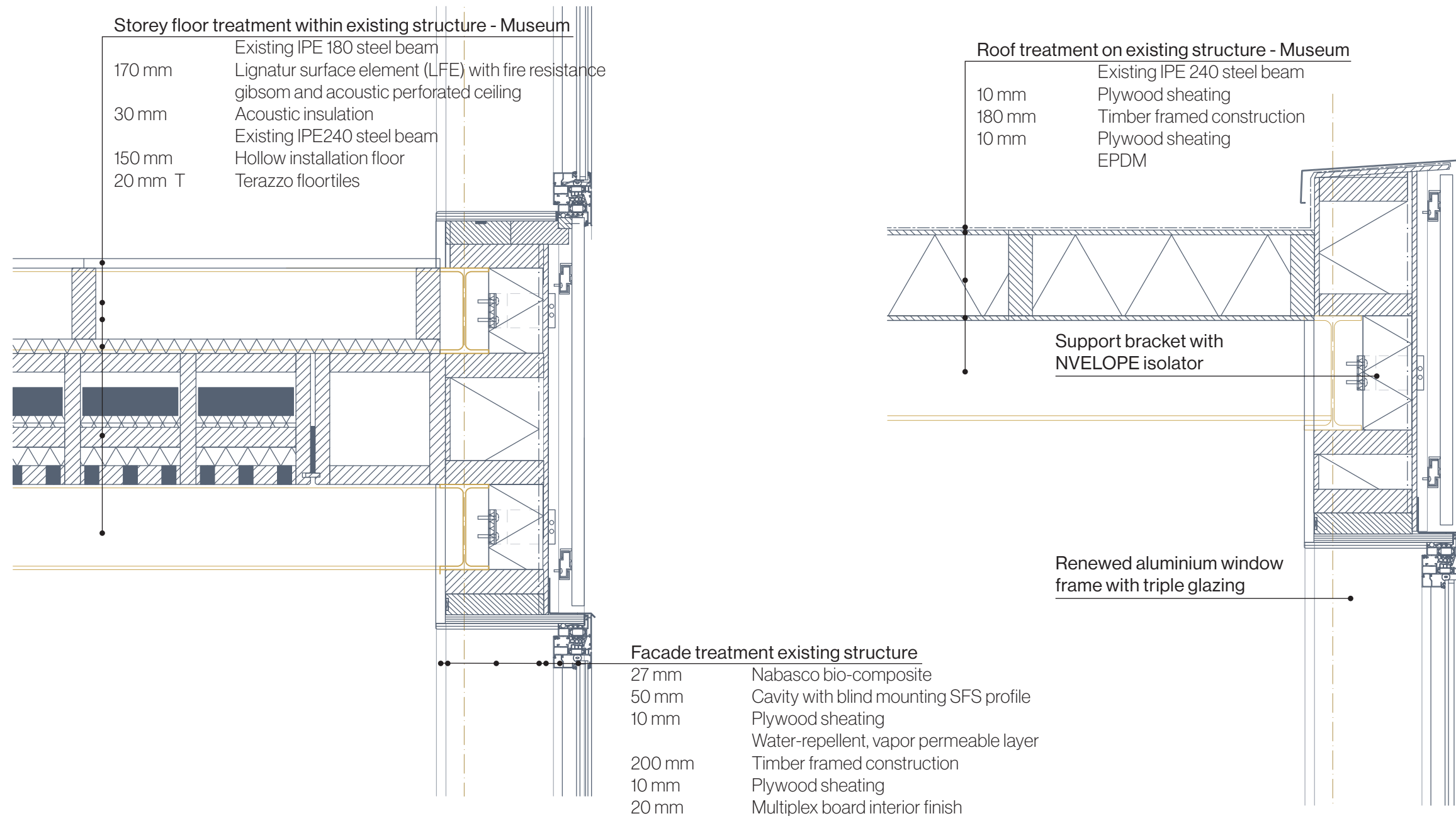
1:10 detail 4

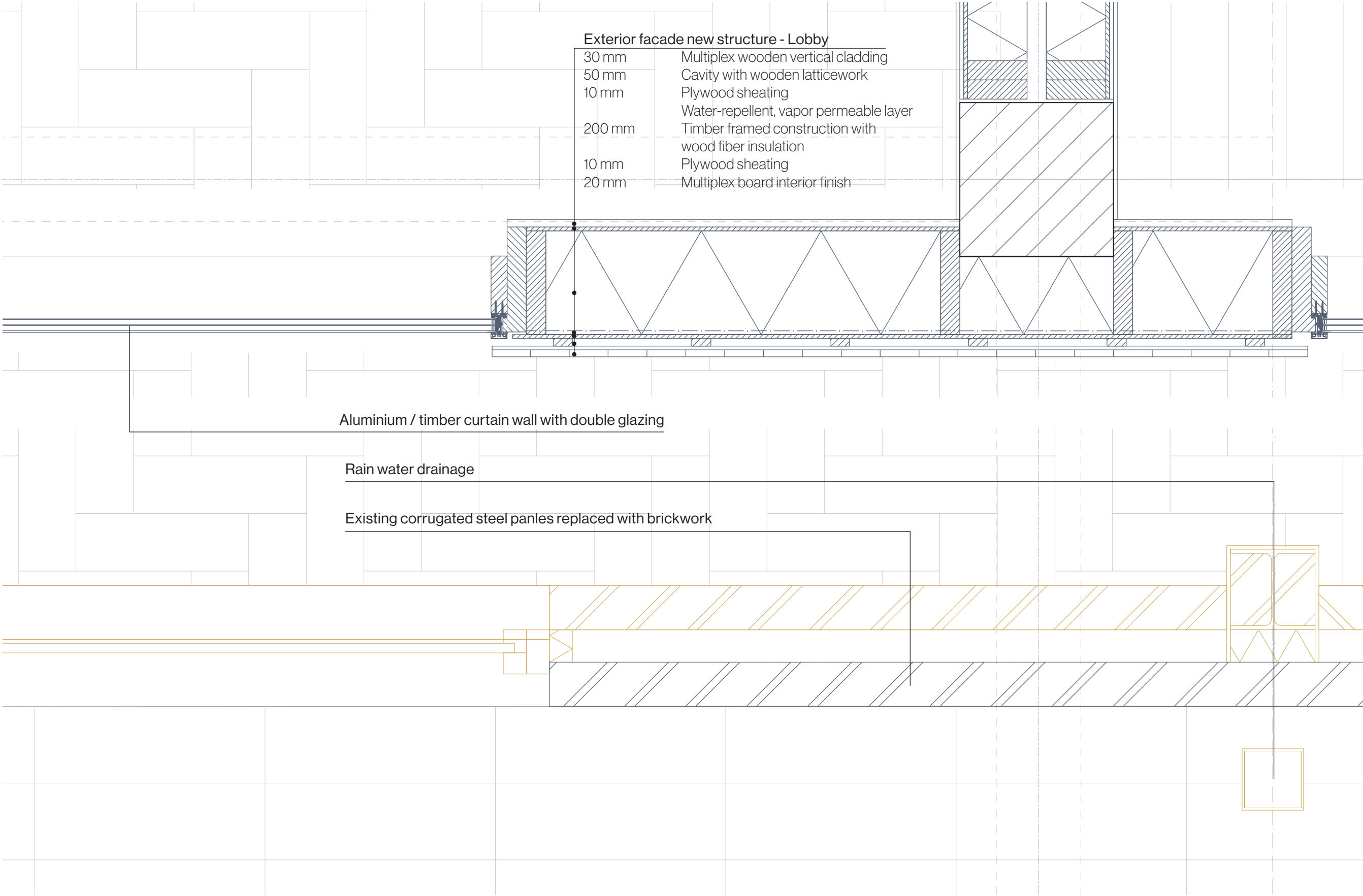


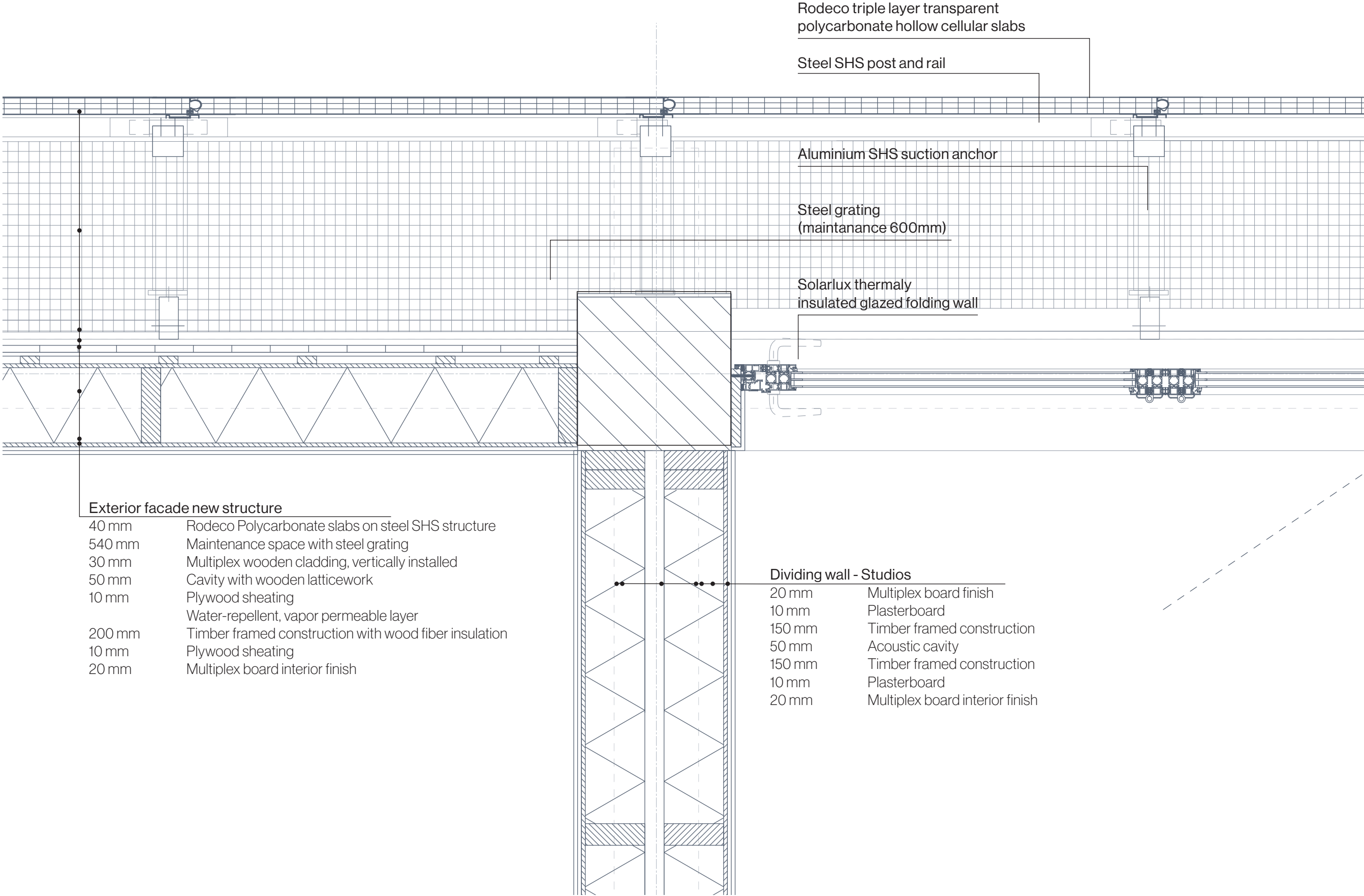
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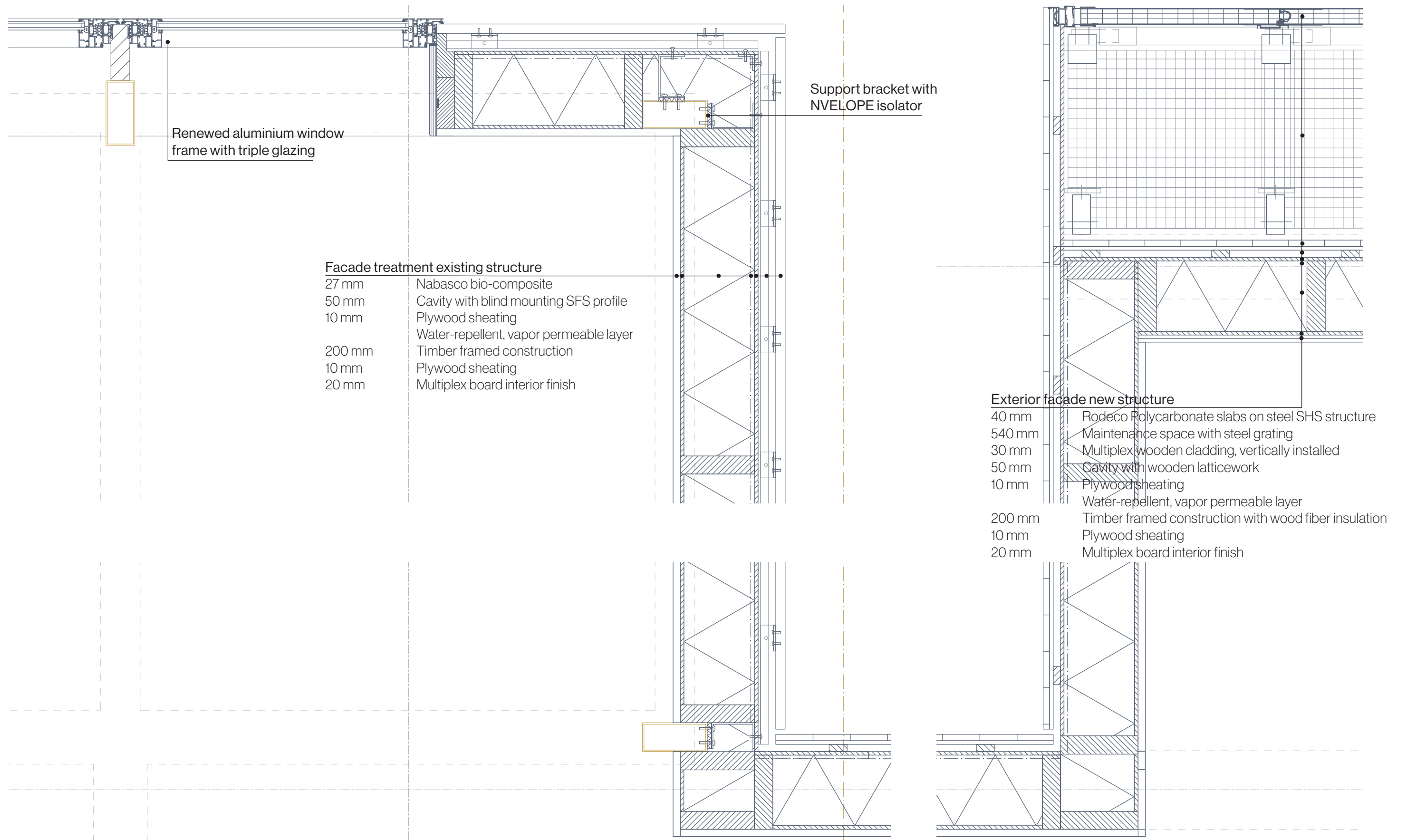
1:10 detail 6







1:10 detail 9



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