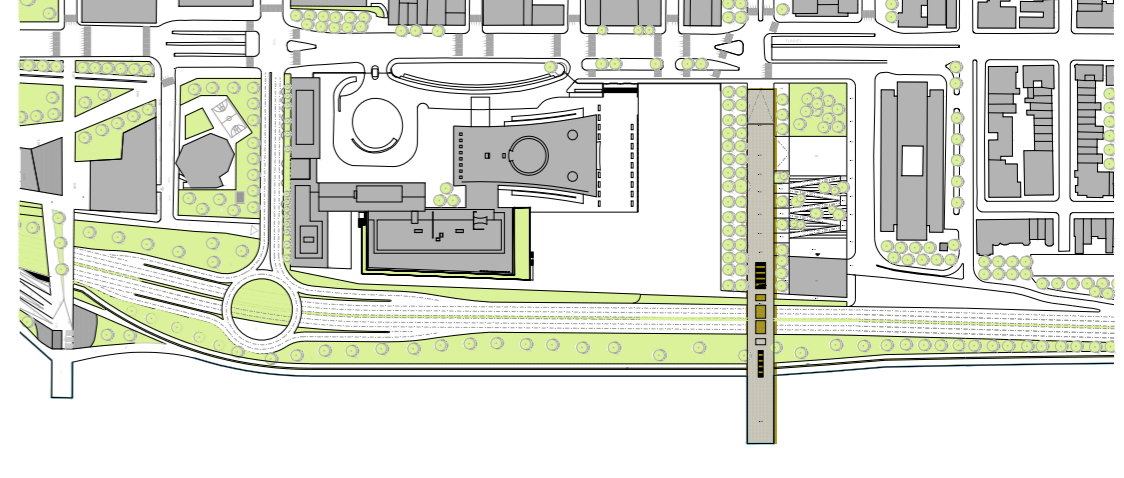
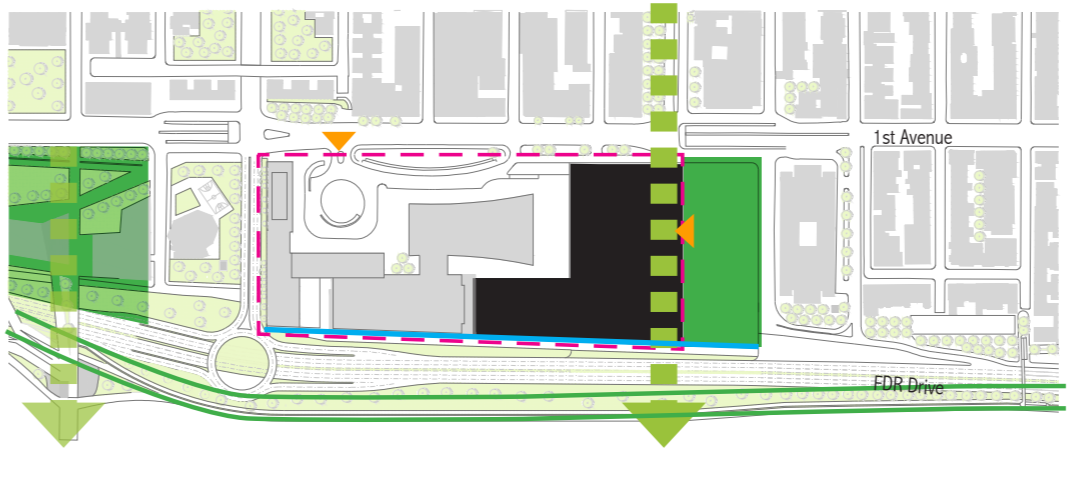
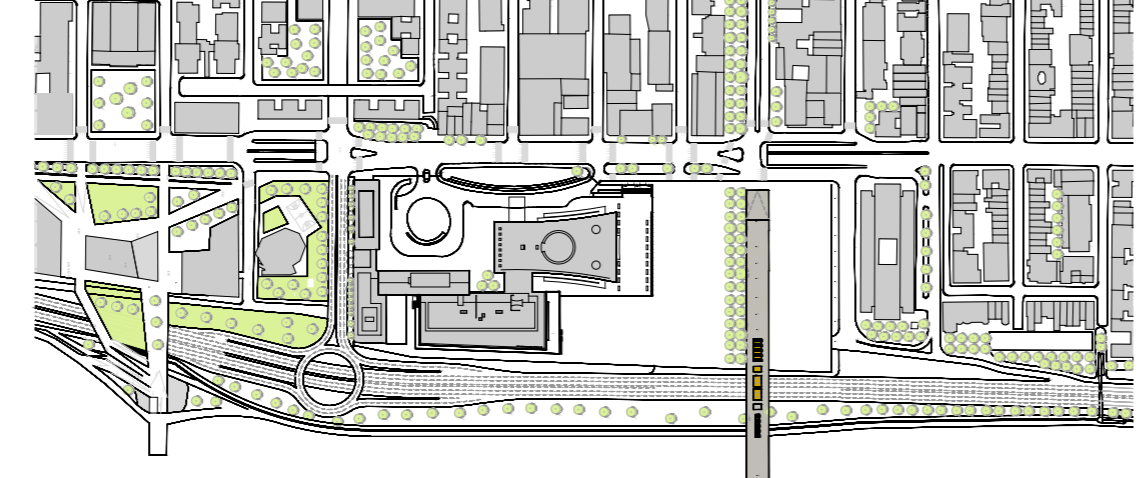
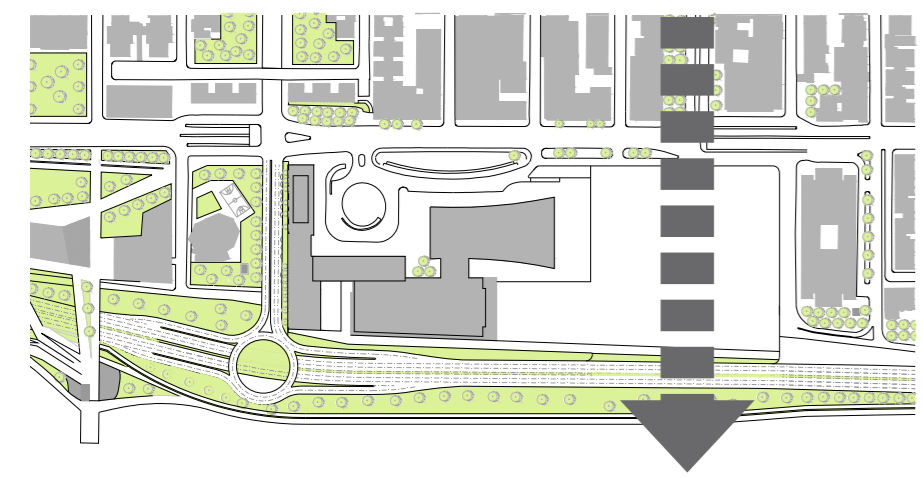
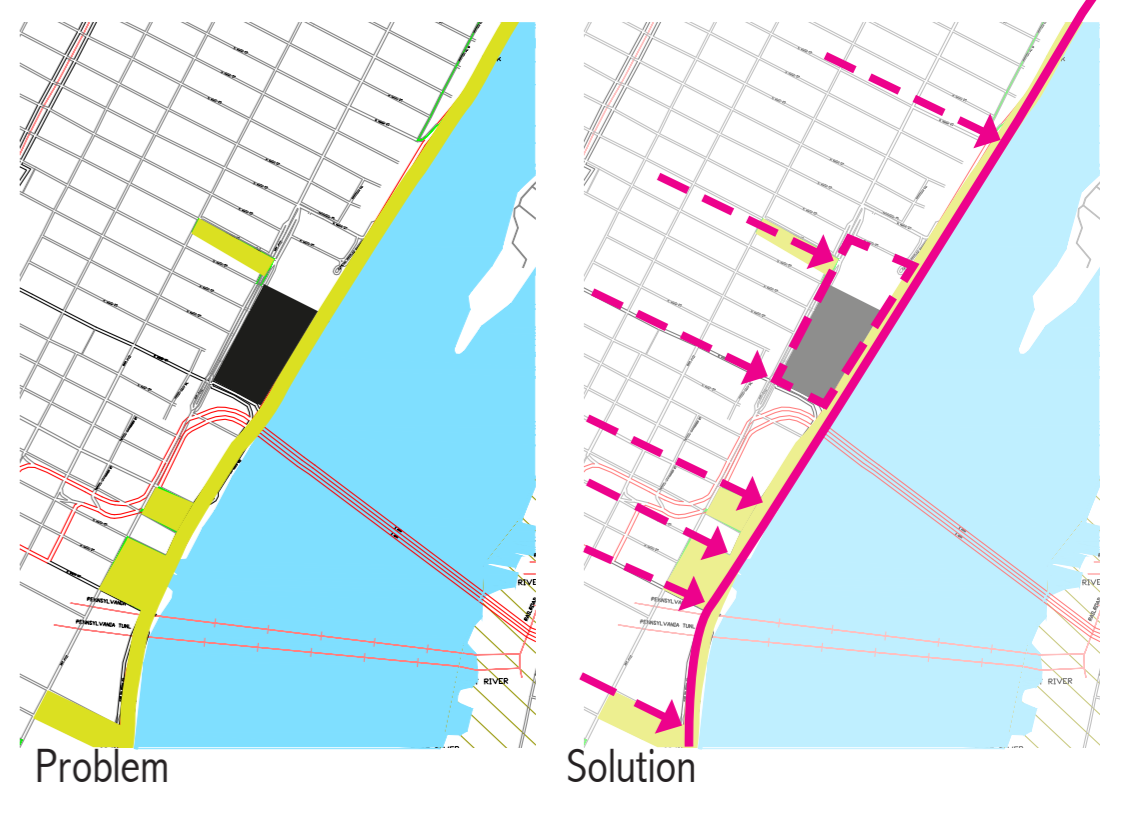
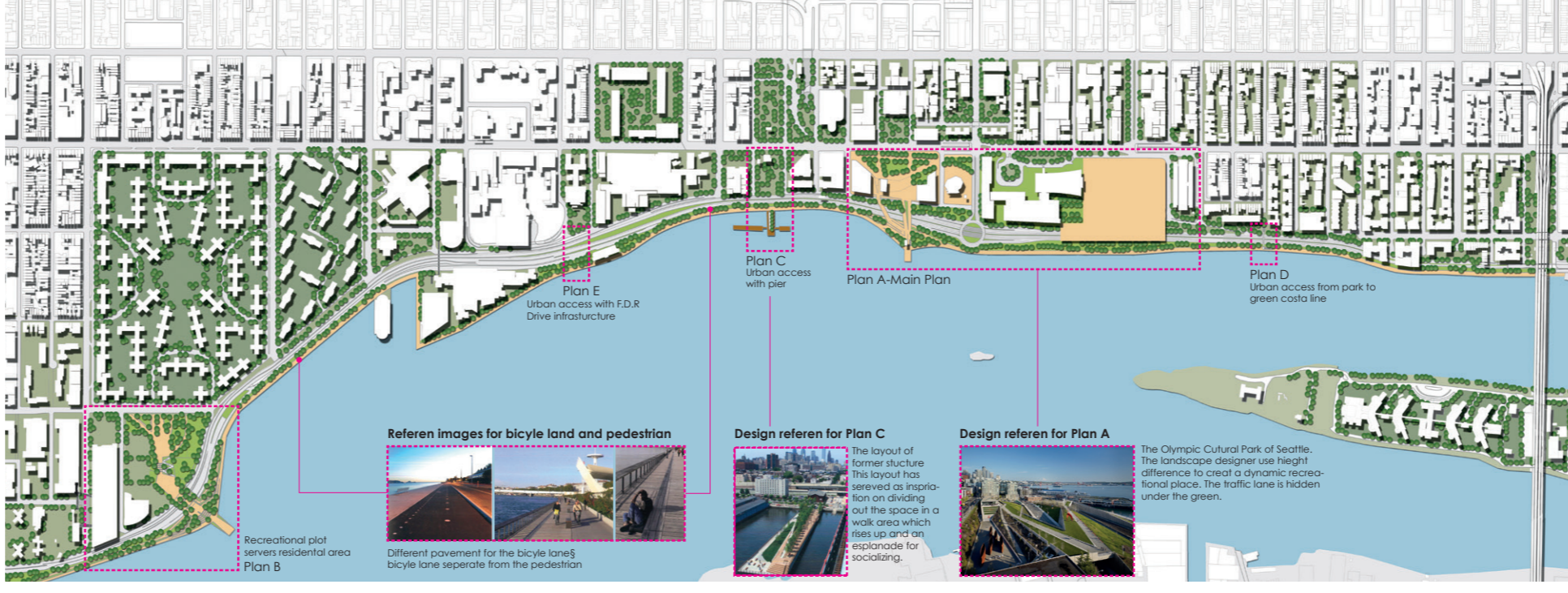


# A Transition: Extending UNEC TO THE Future

(Extension of UN Compound)

As we proposed a master plan that aims to develop the continuous chain of green waterfront all around Manhattan, as a policy to provide a multi-functional continuous connection along the water for public purposes, the plot of UNEC is currently a gap, which lies between the public waterfront and the city.

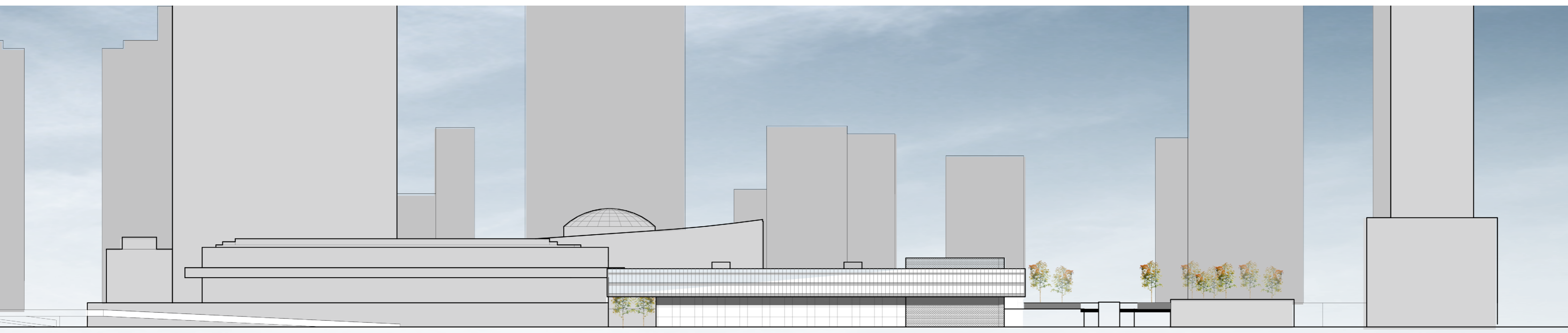


To design the UNEC as a transformation bridge providing connection and access from the city to the waterfronts, a UN owned space featured as gradient transformation space from public to private to ensure the safety while providing more high-quality public space without interferes with the regular operation of UN Compound.

The extension of 47th street, end with a green plaza now (HAMMARSKJOLD PLAZA) is taken as the starting point of the site arrangement. It will serve as a main connection between the city and waterfronts in the design. Also, take the way we designed the main connections in the master plan part, I decided to design this extension in the form of a pier extending into the water.

- Security** Clear Boundary to UN Compound
- Impression** Integrated Waterfront Impression of UN
- Circulation** Public Plaza and Main Connections

The design plot was divided into two parts. Considered the vision of the whole UNEC project, there are three key points: Integrated Waterfront Elevation Impression, gradient transition from public to private and security. I chose to locate the UNEC in the right part (left to the axis). The UNEC can be defined as an extension project of the UN Compound, reusing the space of original FDR, structure grid and expedition car road of UN.



EAST ELEVATION scale 1:1000



MASTERPLAN scale 1:1000





**CHARACTER 1: UN BORDER**



Reference image



View along 1st Avenue, UN border

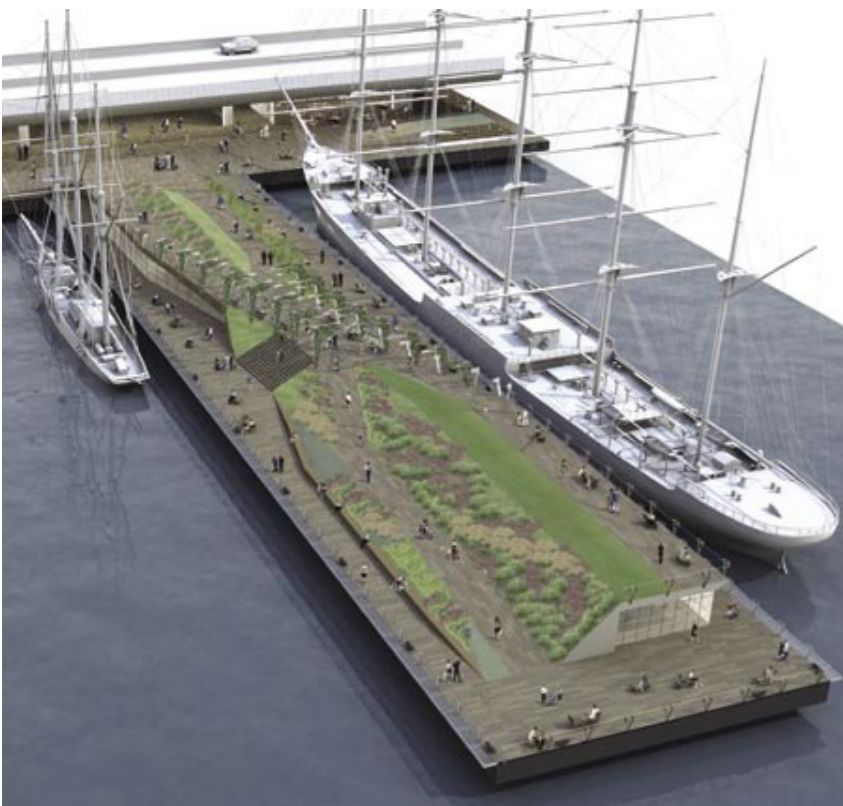


View along 1st Avenue, with green and water elements as filter from the city

**KEY VALUES:**

- a new boarder along 1st Avenue for pedestrians
- a recreation zone for both vistors and inhabitats

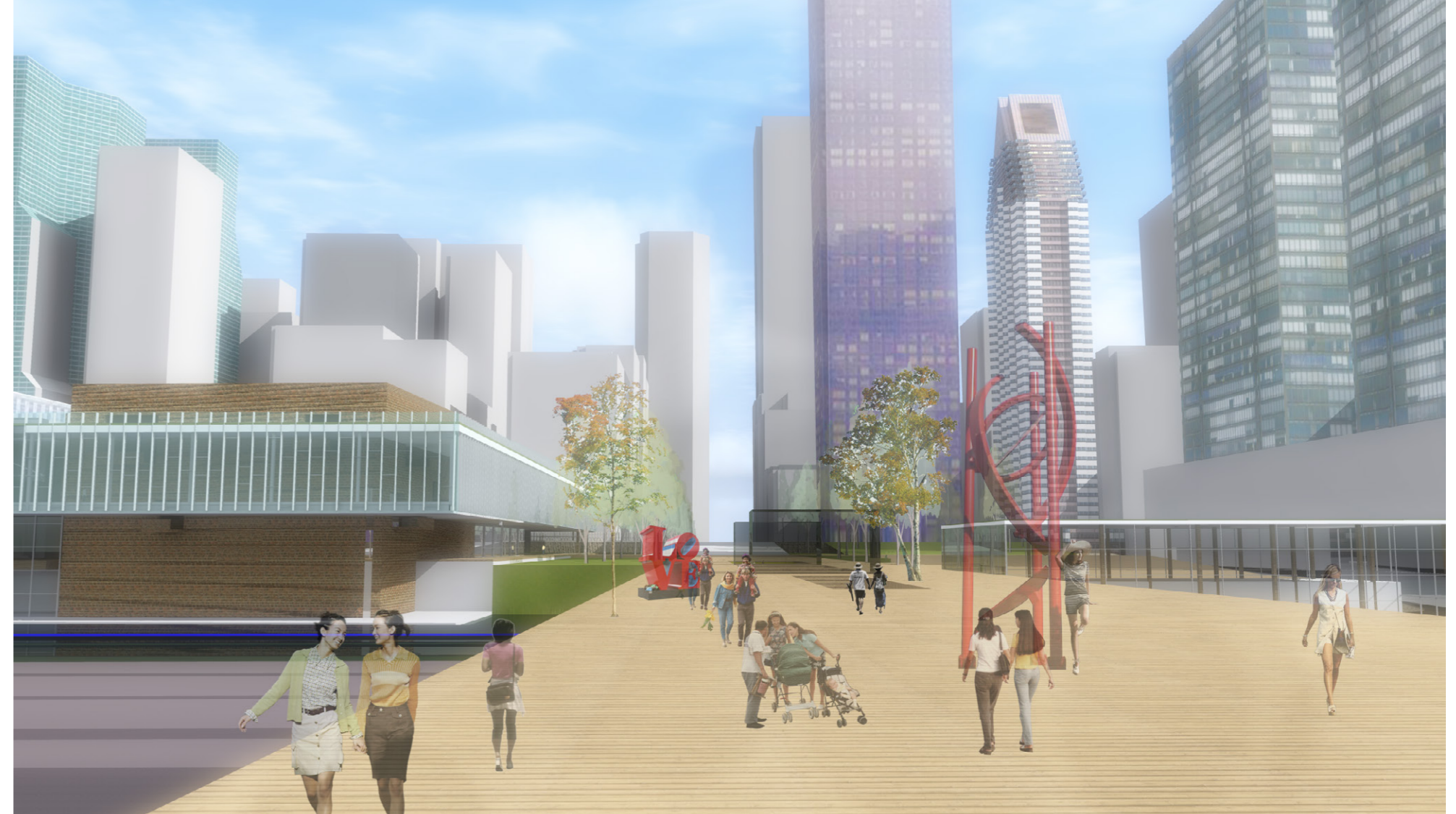
**CHARACTER 2: UN Deck**



Reference image-east river proposal



View on the UN Deck axis (from city side)



View from the UN Deck back to the city

**KEY VALUES:**

- a new axis connecting the city center to the waterfronts
- the green axis extended from the 47th street
- connecting the UN Park to the UN plaza

**CHARACTER 3: UN Park**



Reference image



View on the UN Park, facing the UNEC Entrance Canopy



View on the UN Park corner

**KEY VALUES:**

- a new park in front of the UNEC
- open to public, equipped with restaurants, plazas, and green area

**CHARACTER 4: UN Plaza**



Reference image



View on the UN plaza, transition from imformal to formal



View under the UNEC canopy,

**KEY VALUES:**

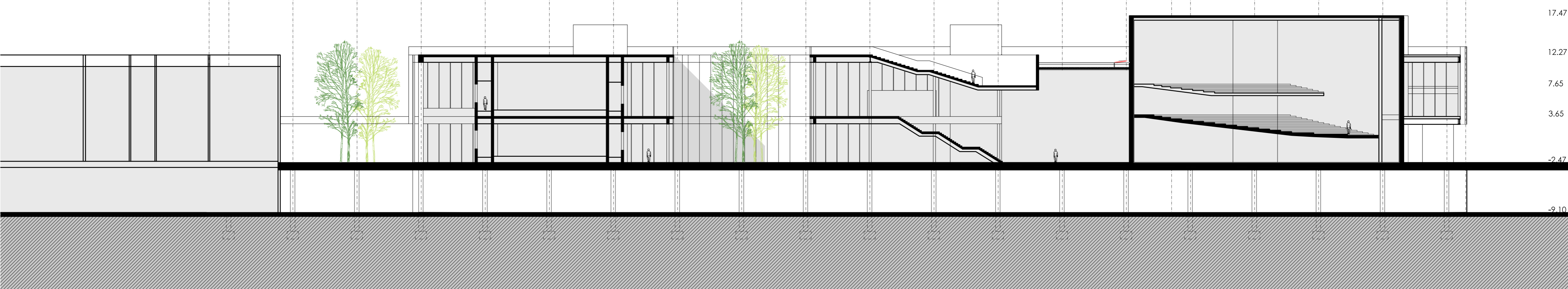
- a semi-private plaza open to people using the UNEC and UN
- a transition area from the public entrance area to the UN assembly hall



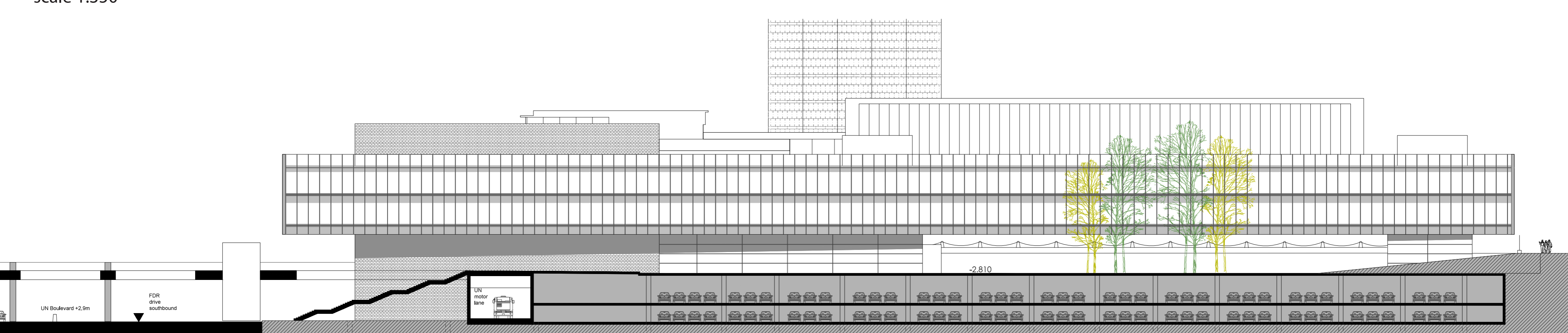




PLAN GROUND FLOOR scale 1:350



SECTION B-B scale 1:350

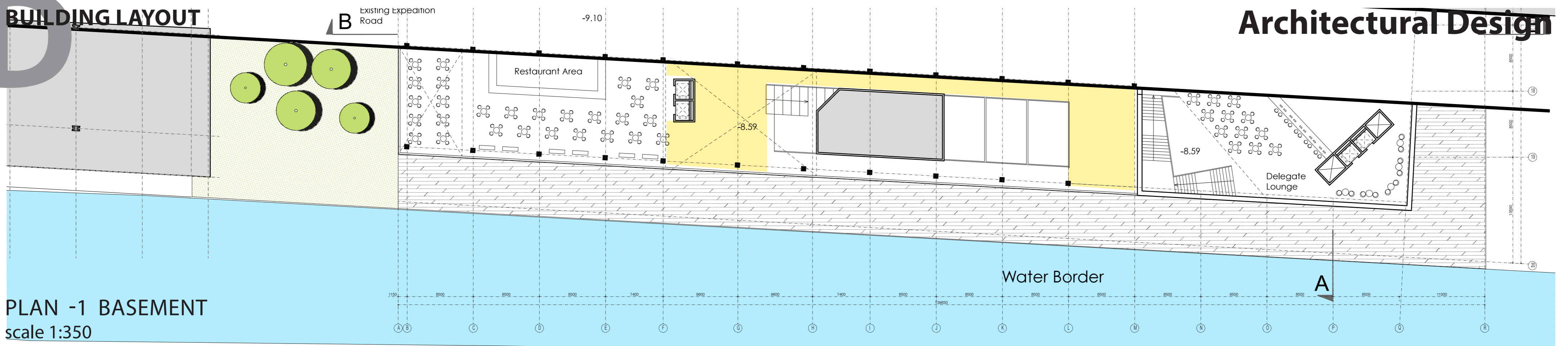


NORTH FACADE scale 1:350

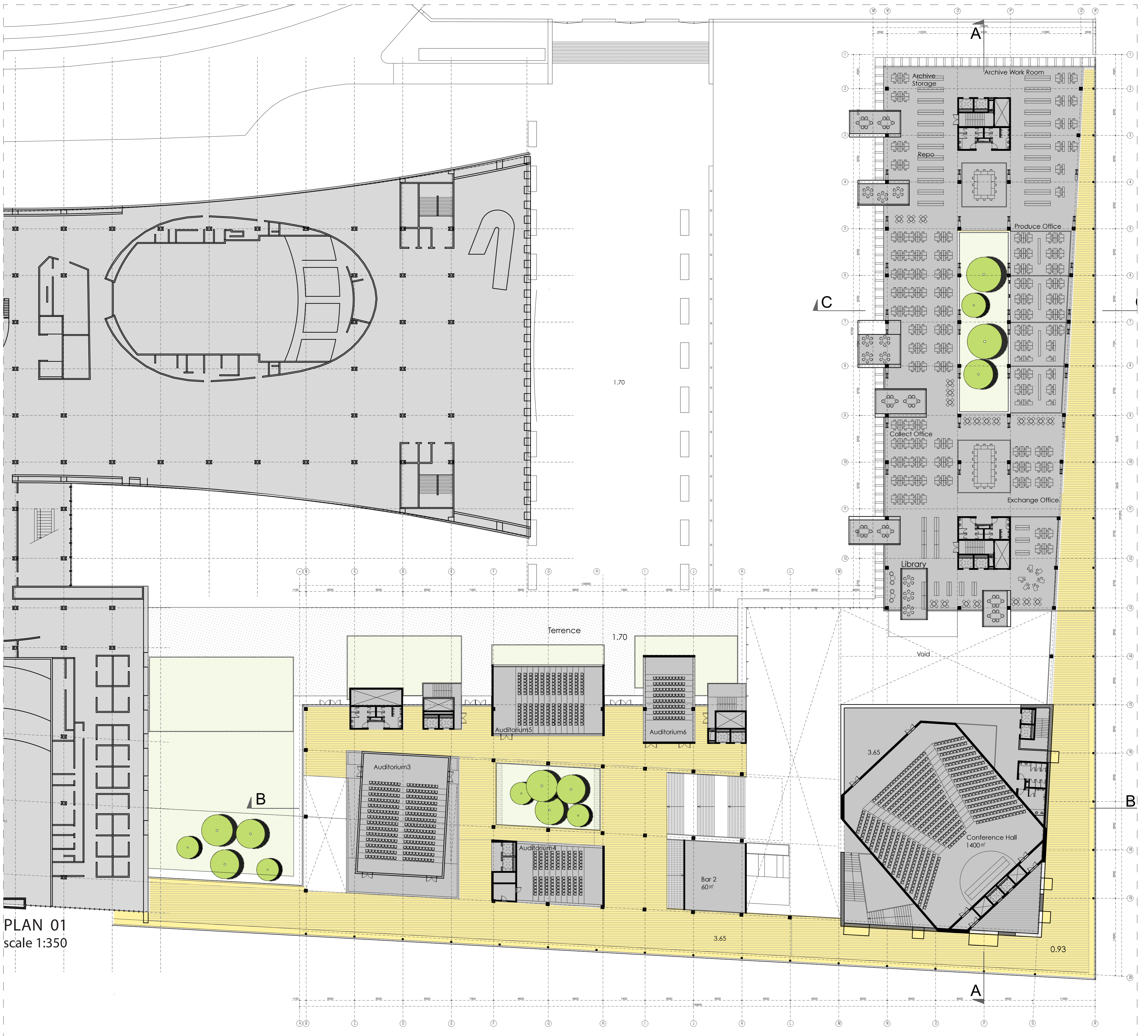




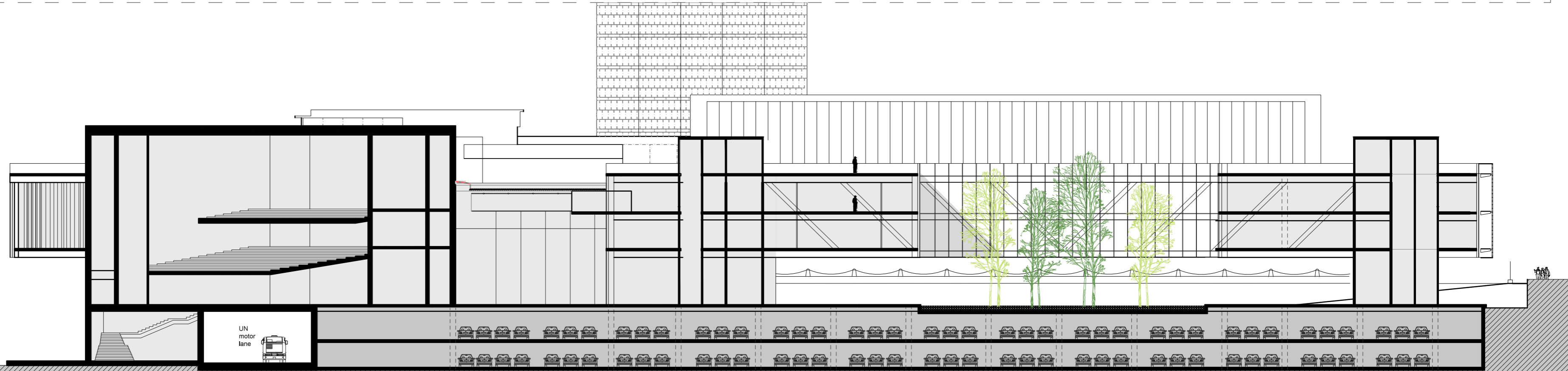
PLAN -1 BASEMENT  
scale 1:350



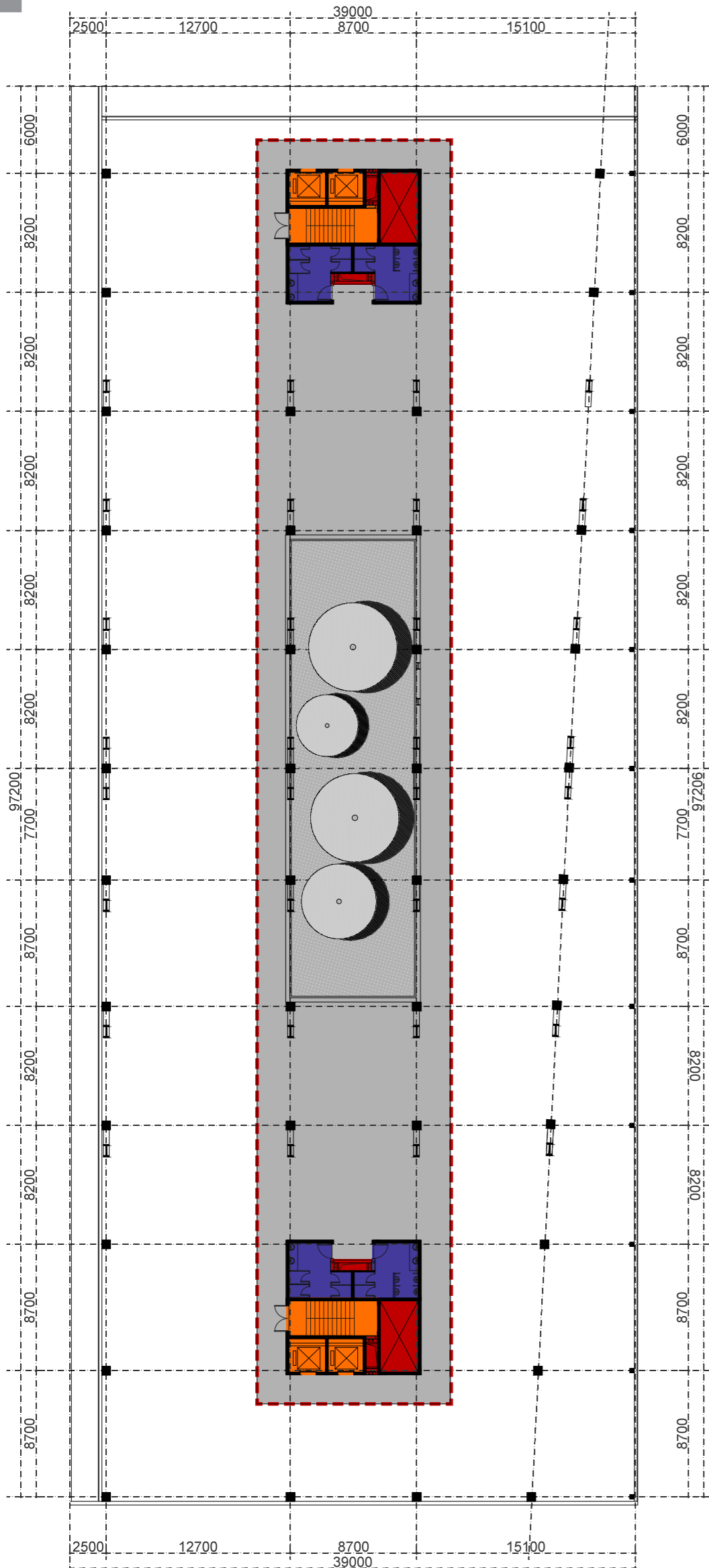
PLAN 01  
scale 1:350



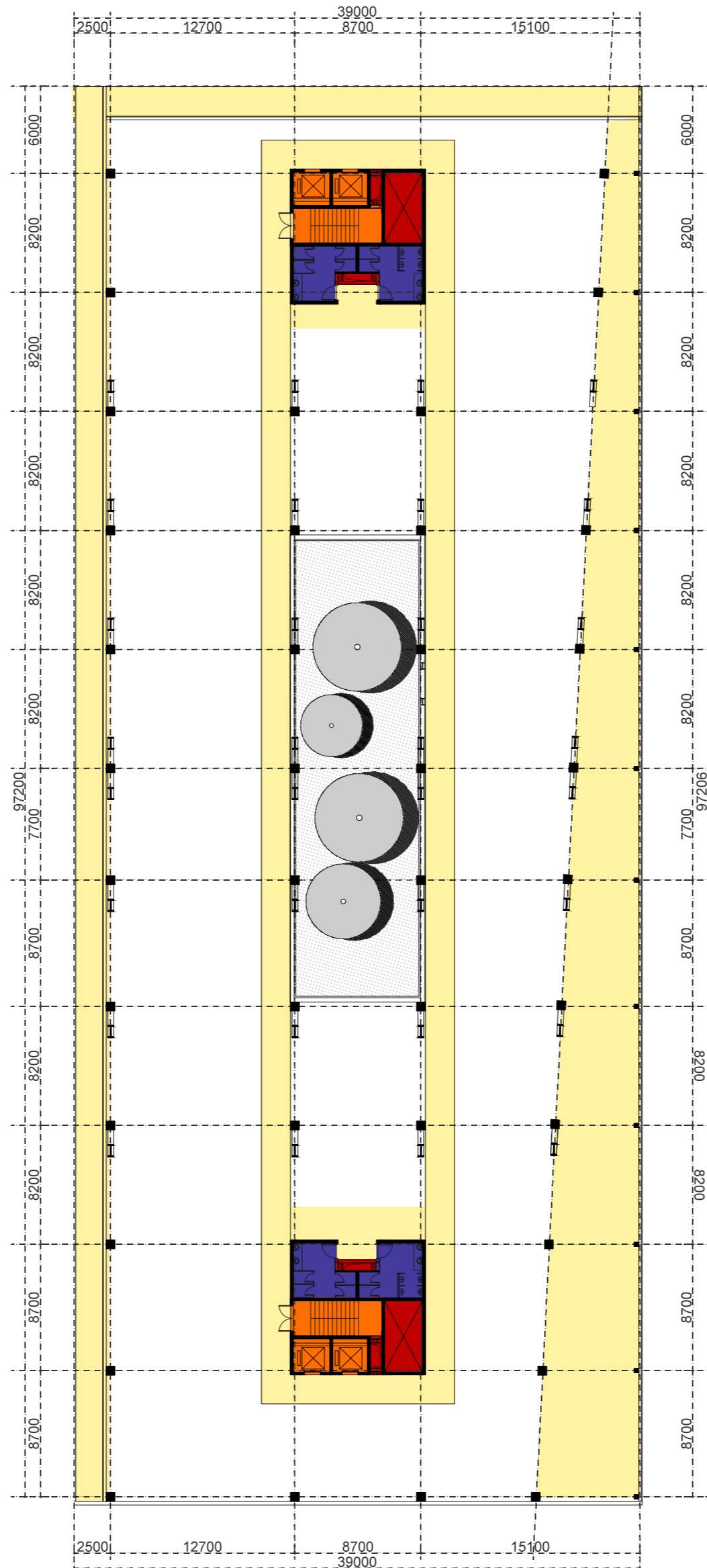
SECTION A-A  
scale 1:350



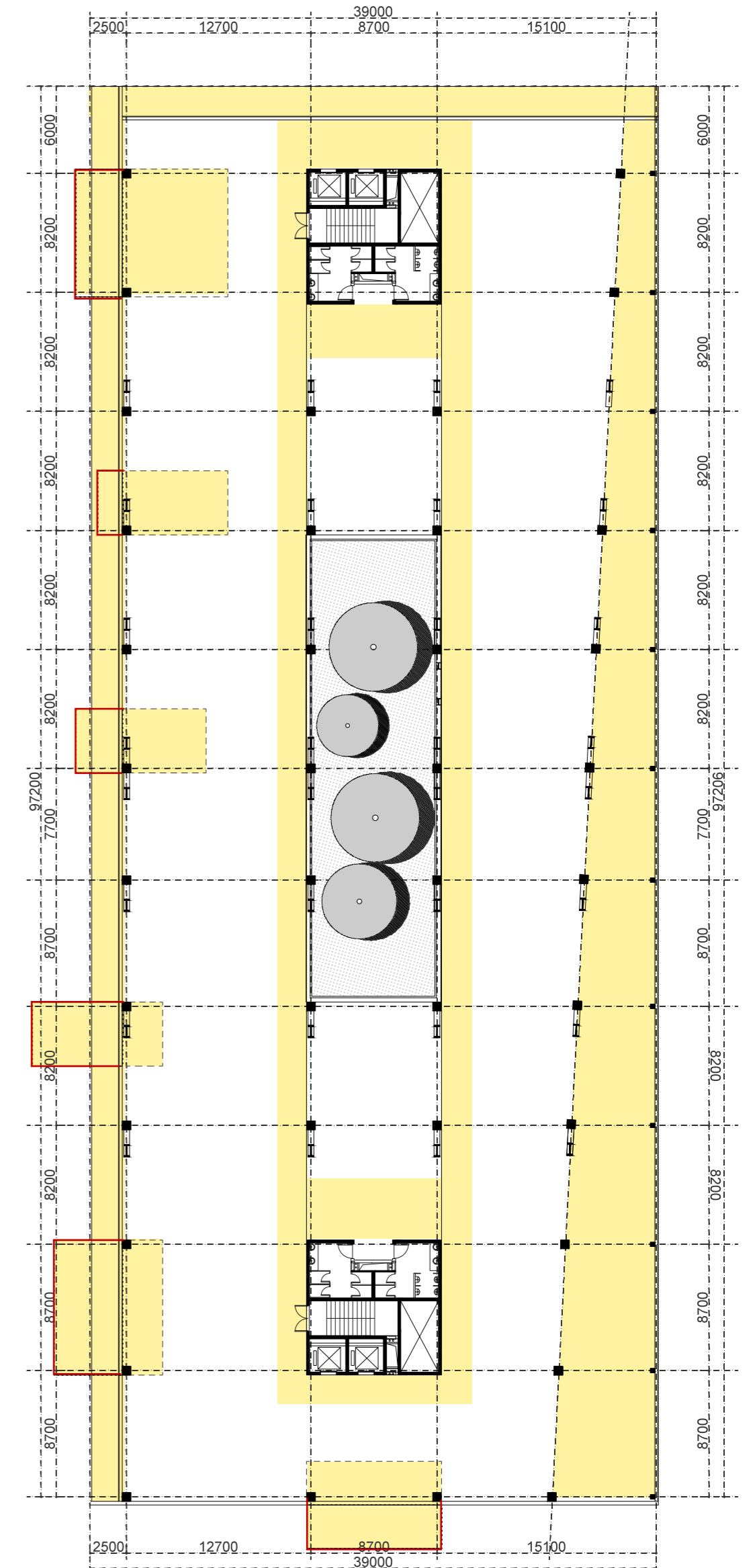




- Centralized cores: installations and shafts
- Middle zone: circulation area and patio
- Office Area: size to unit size of 7.7 meter, 8.2meter and 8.7 meter

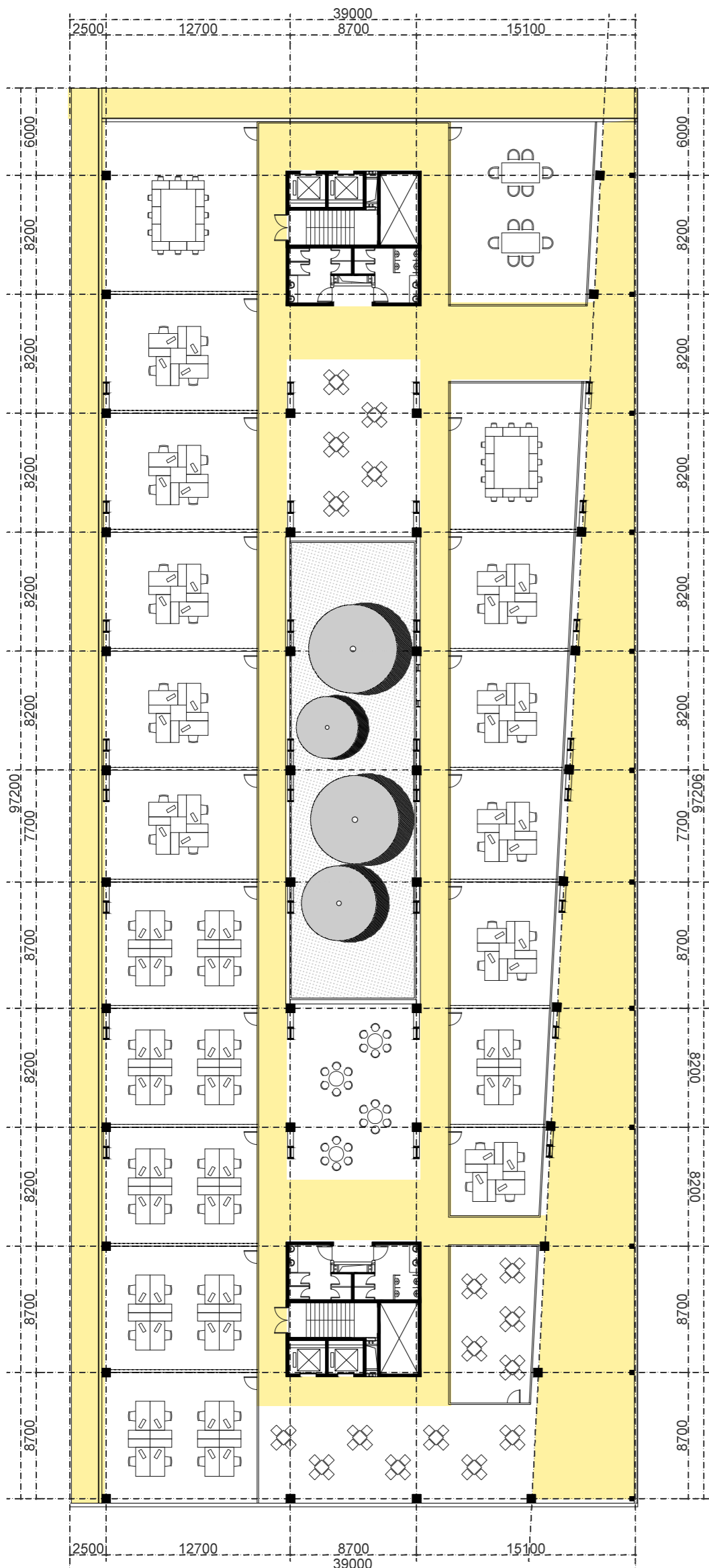


- Routing zone in the center
- Main connection on the north side
- Semi-outdoor corridor on south side

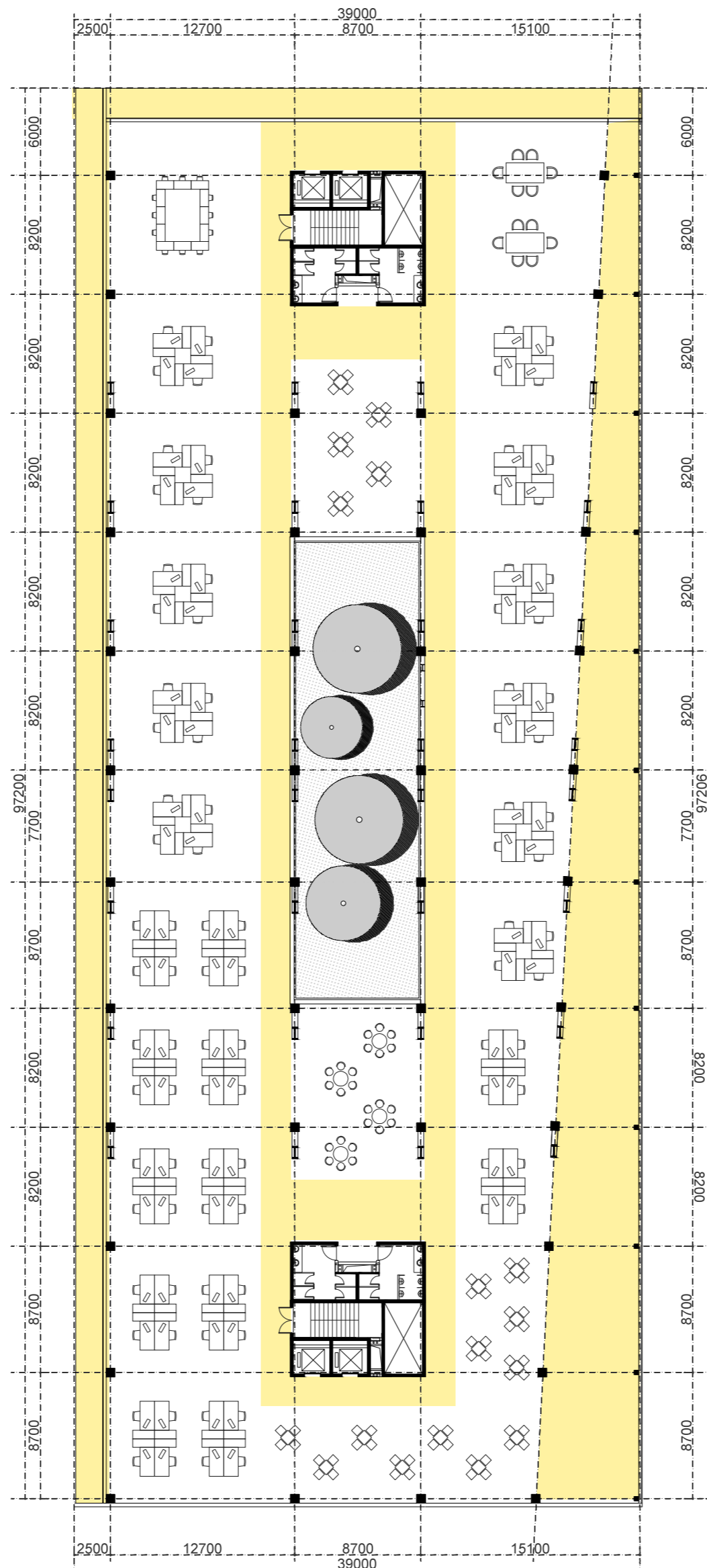


- Prefabricated concrete boxes are integrated on each floor
- Box area used as informal meeting

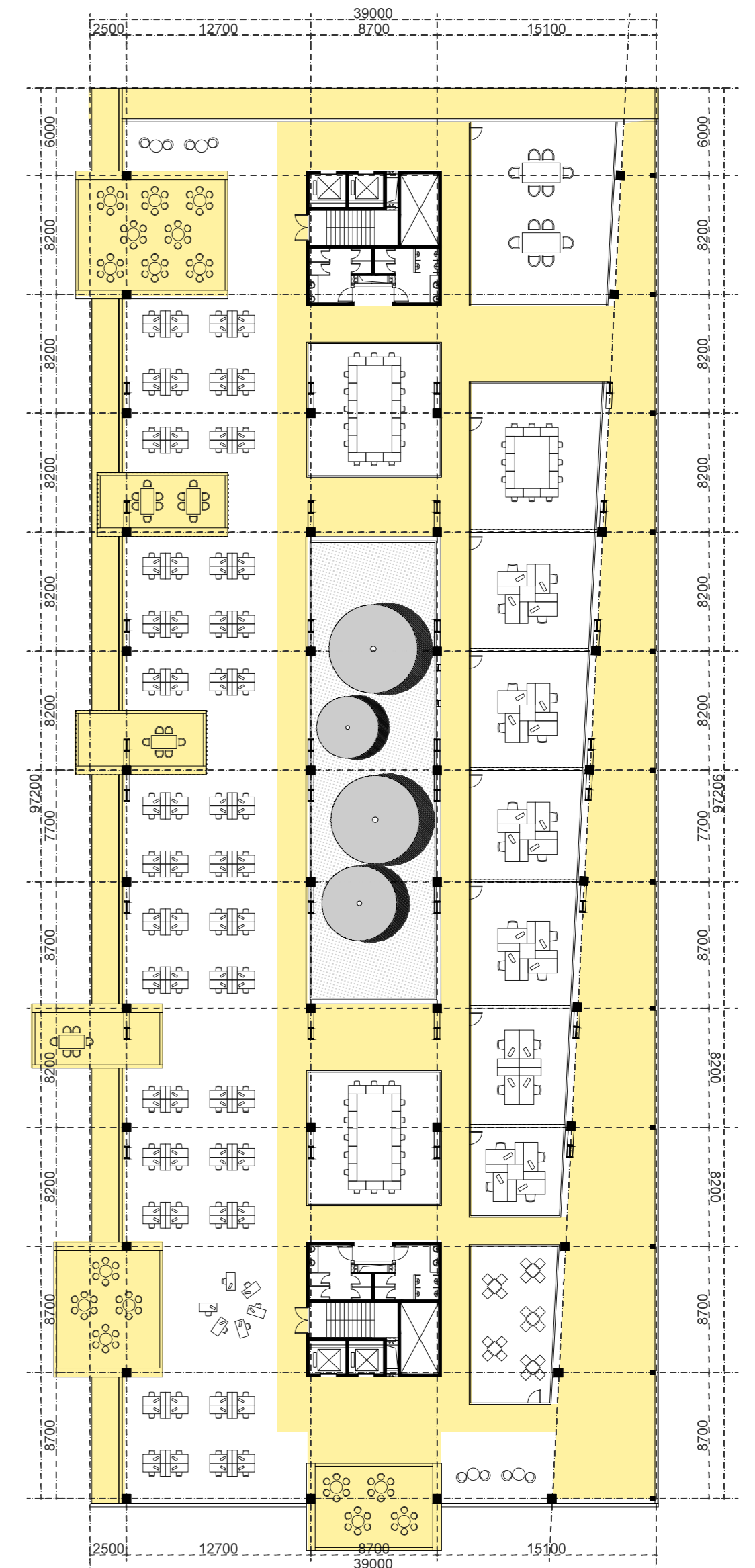
FLEXIBILITY OF OFFICE AREA



PLAN-Cell office  
scale 1:350



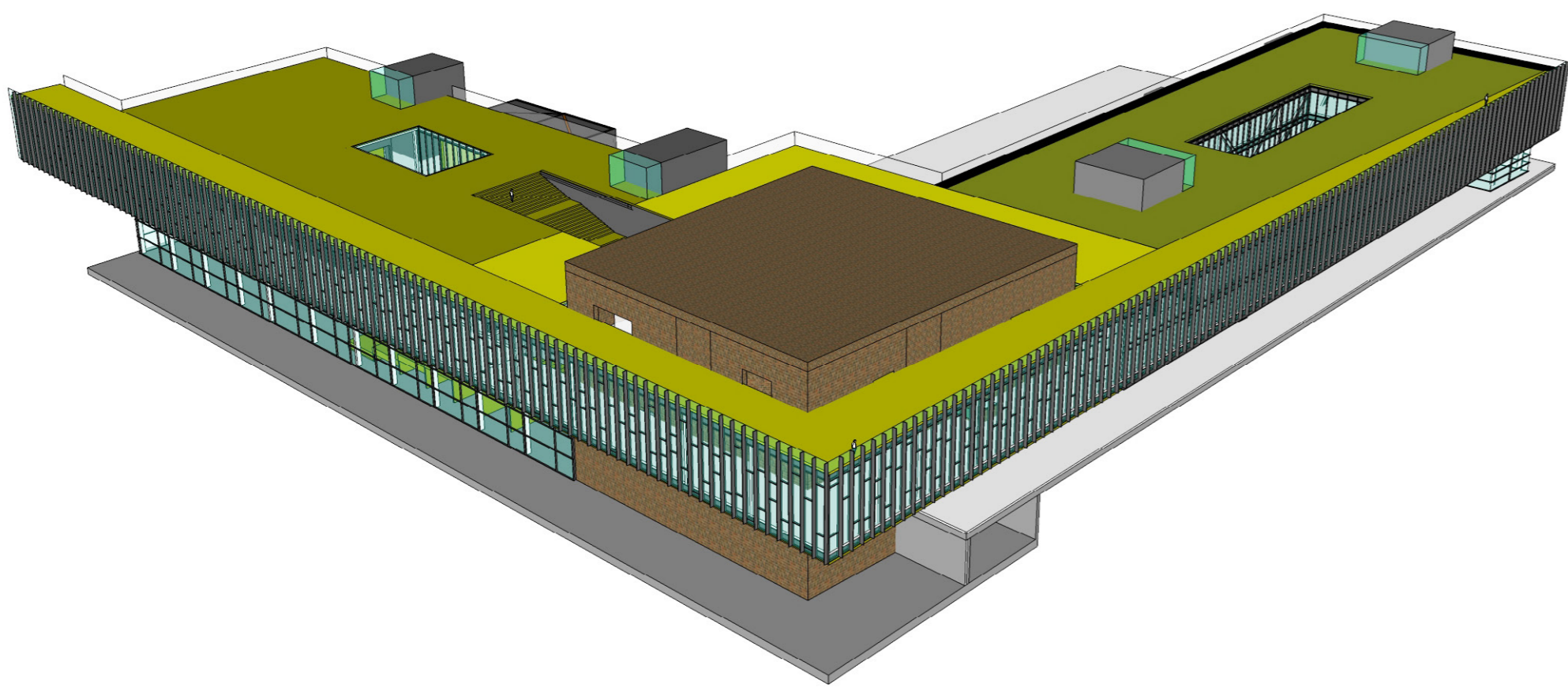
PLAN-Open plan Floor  
scale 1:350



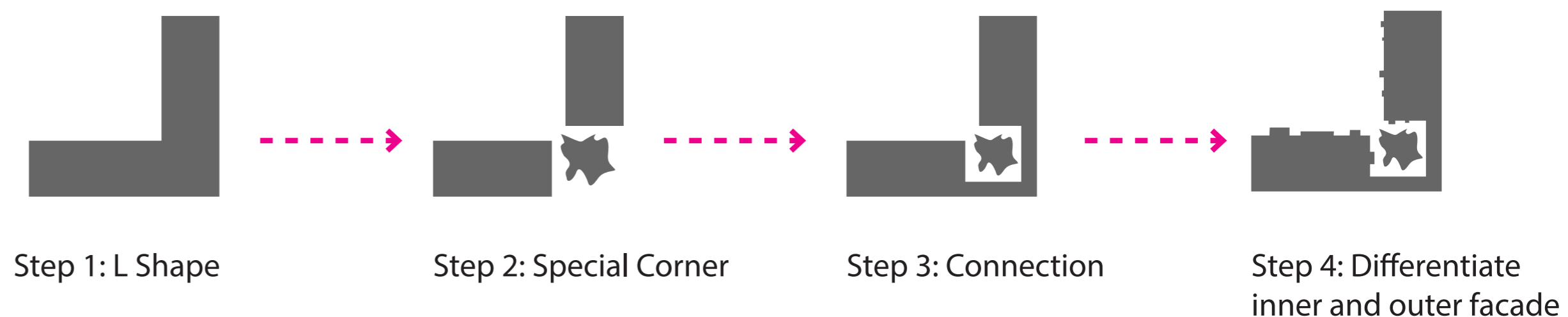
PLAN-Mixed(cell office+open plan+box)  
scale 1:350



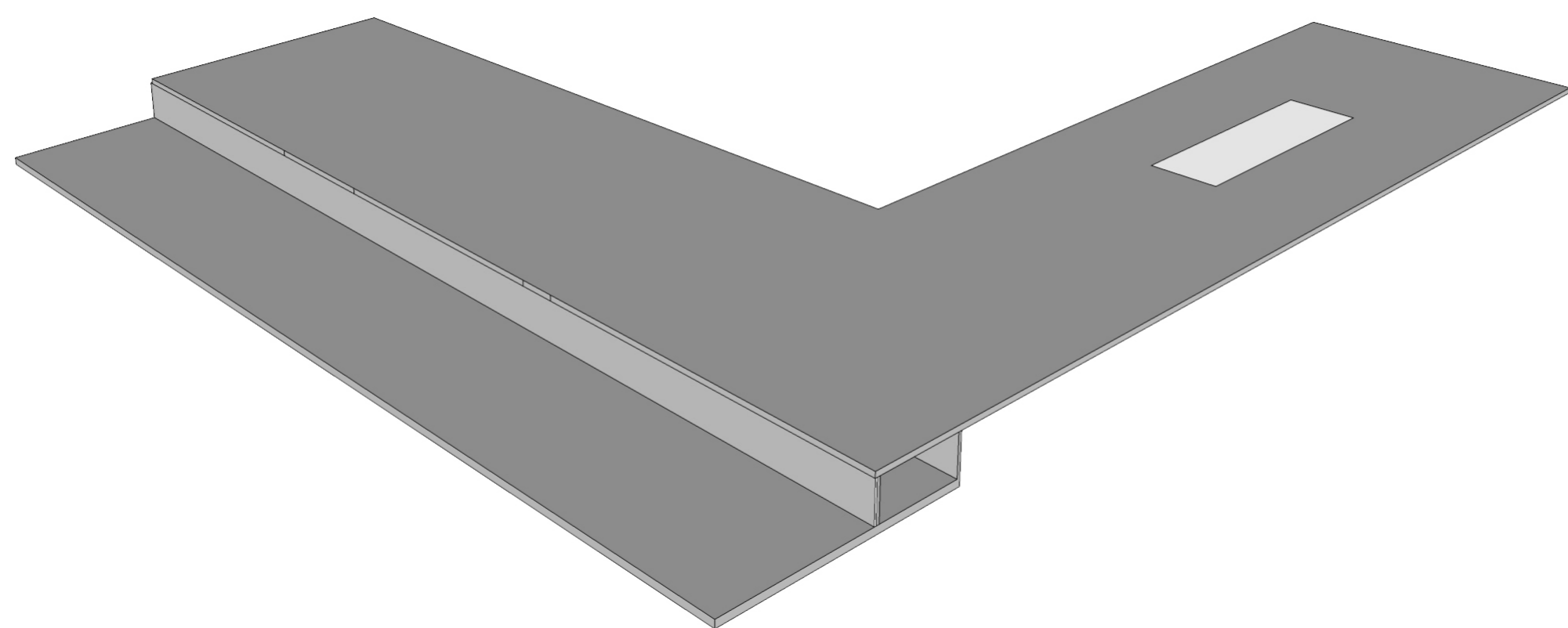




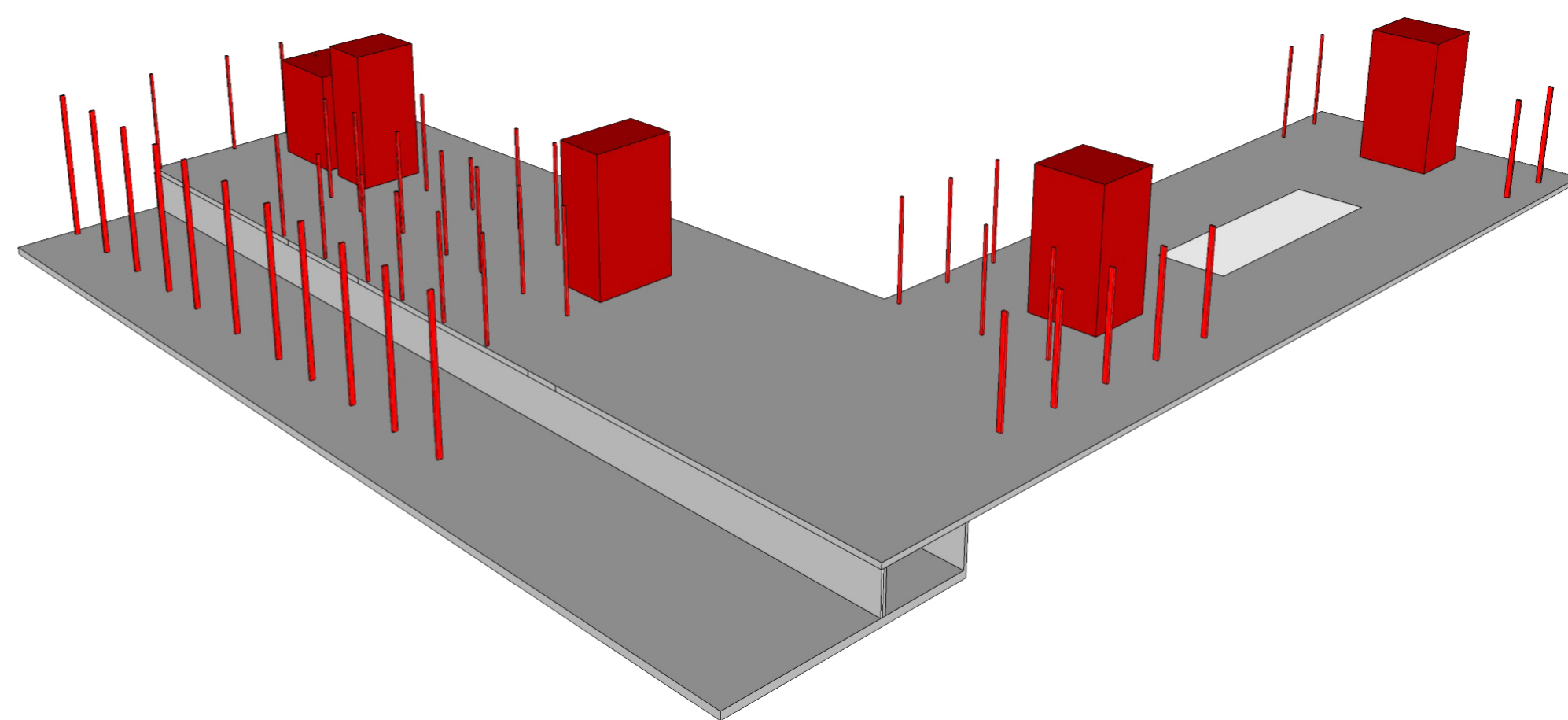
Strategy



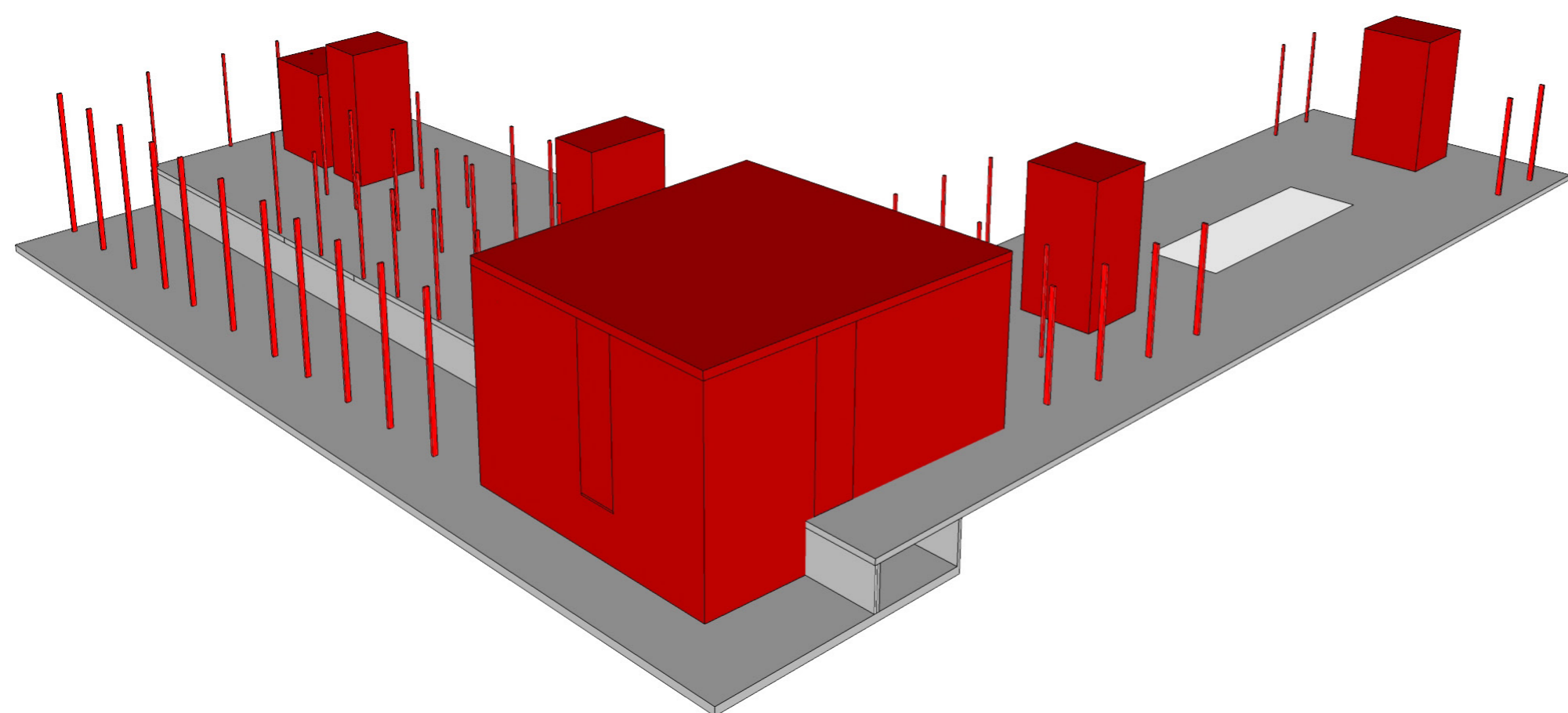
1. Base



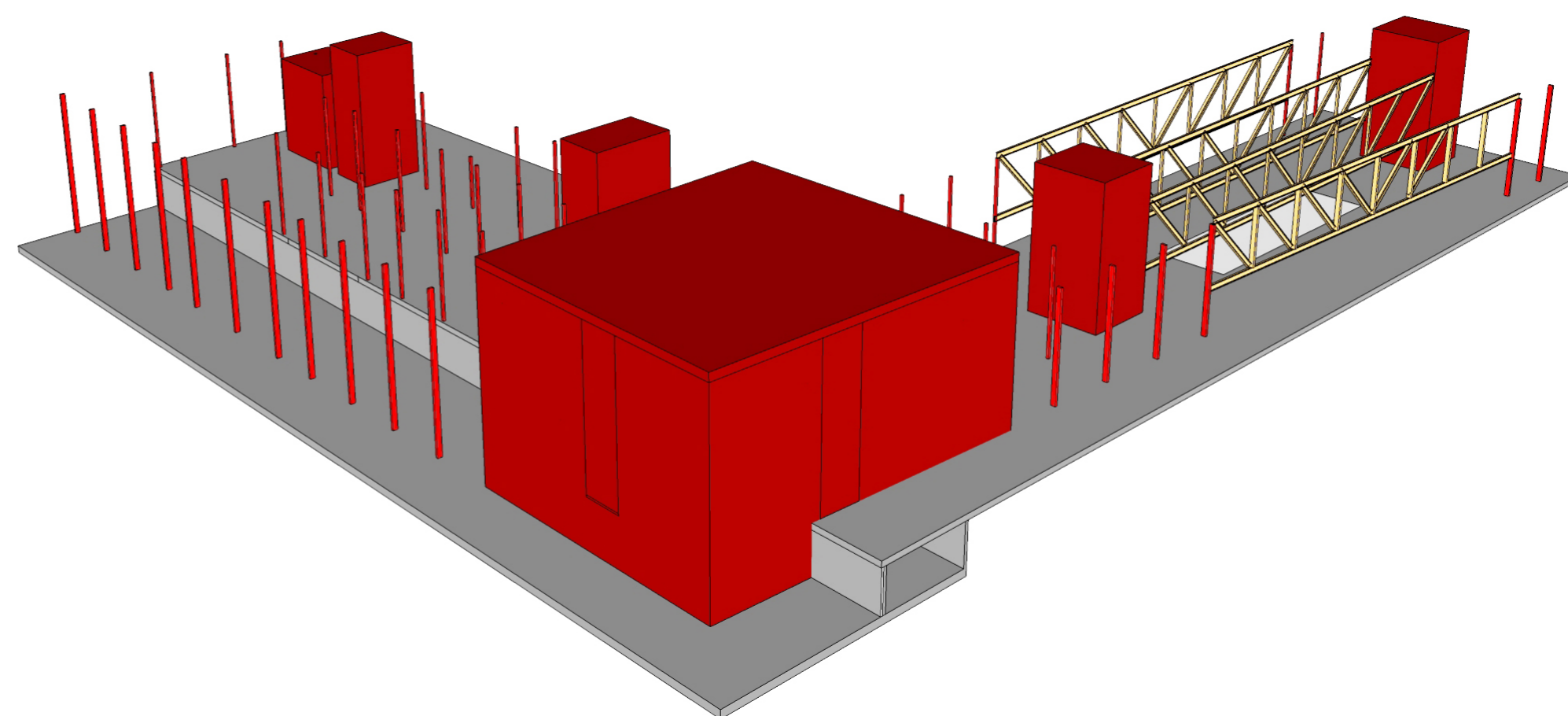
2. Columns and cores



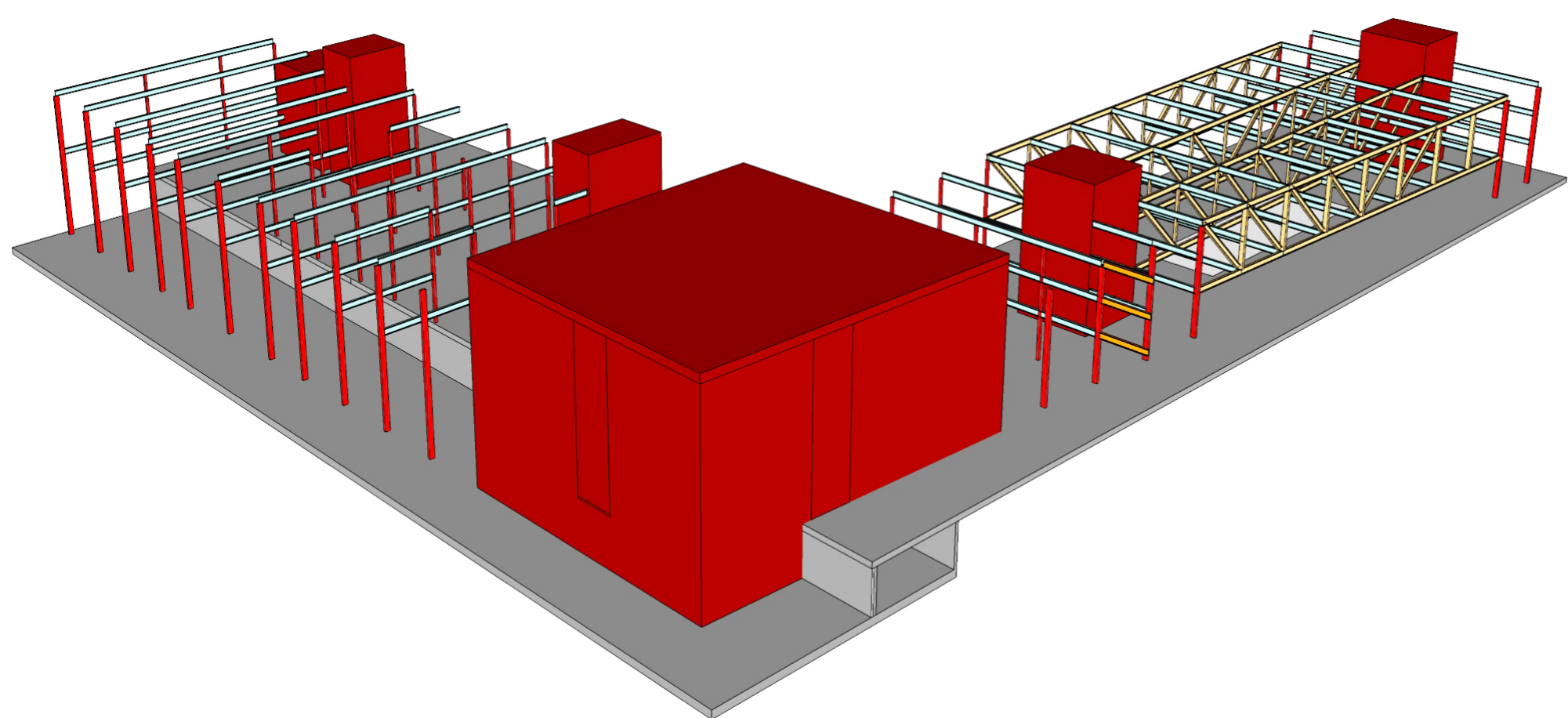
3. Separate Chamber Council Box



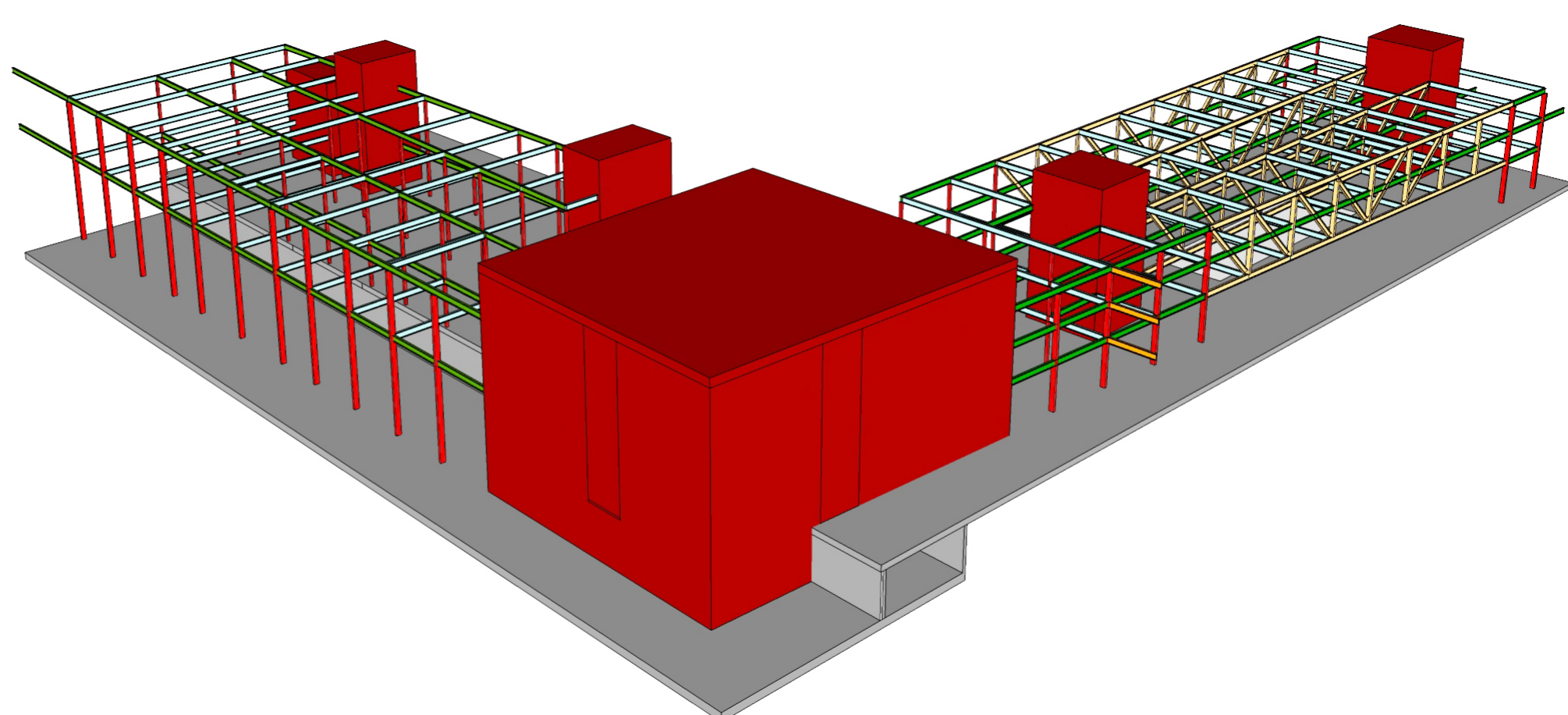
4. Large span-lifted office+entrance canopy



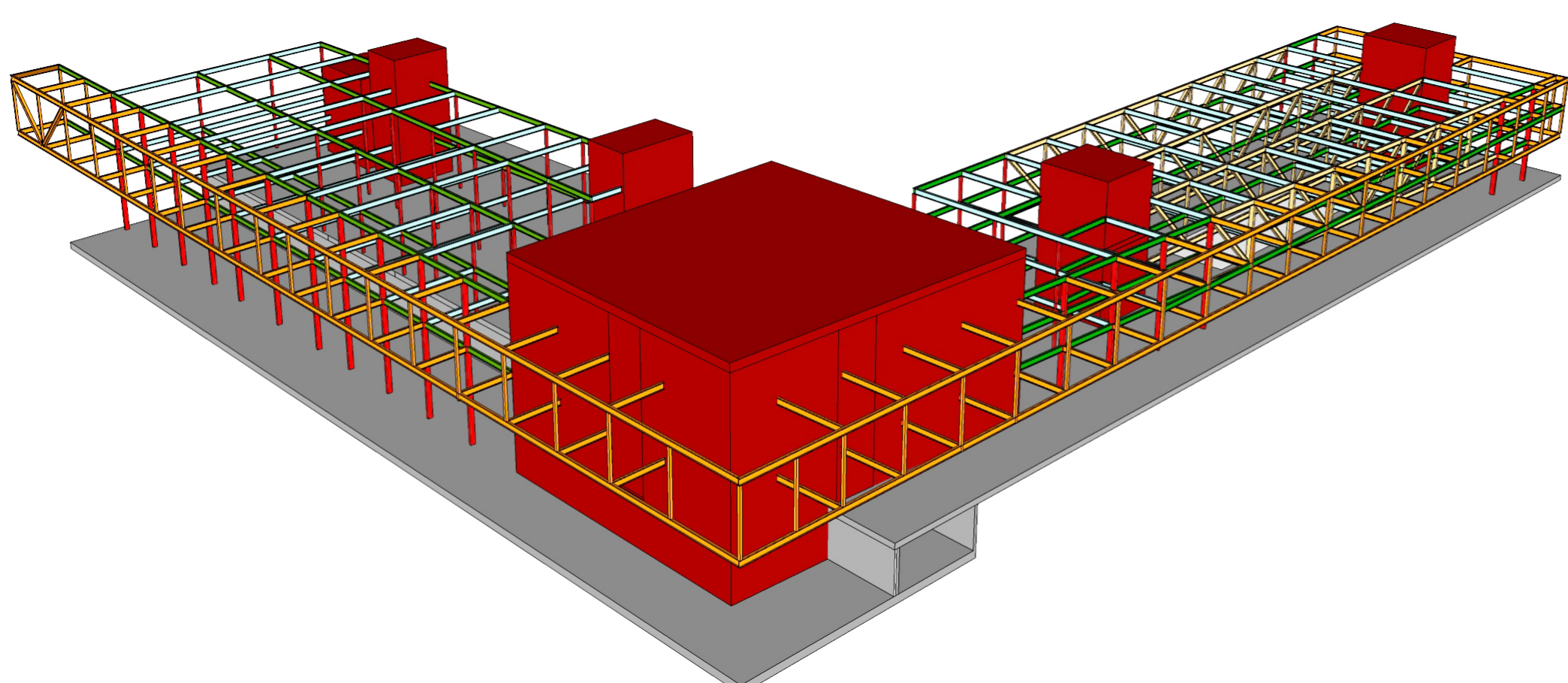
5. Load bearing beams



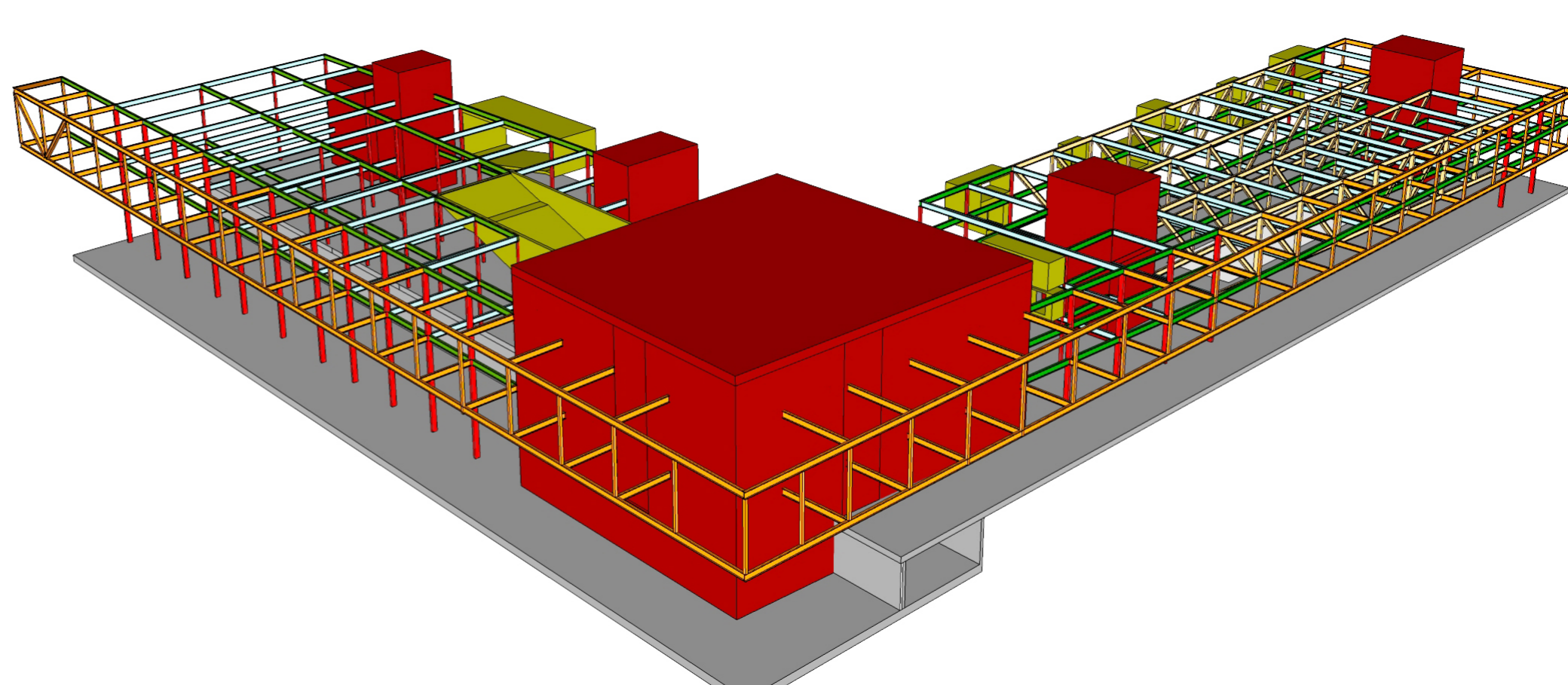
6. Cantilever connection corridor



7. Cantilever connection corridor

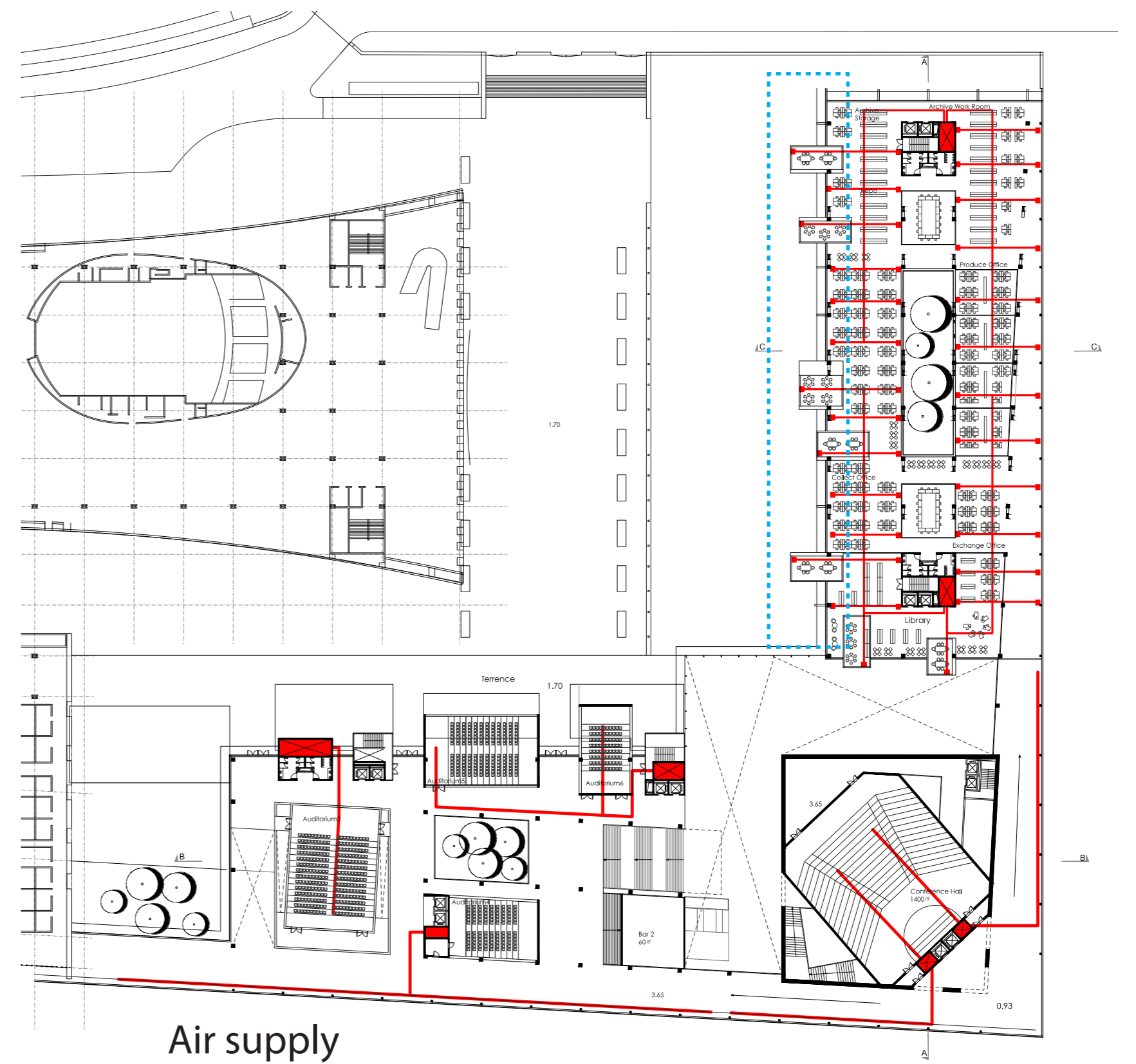
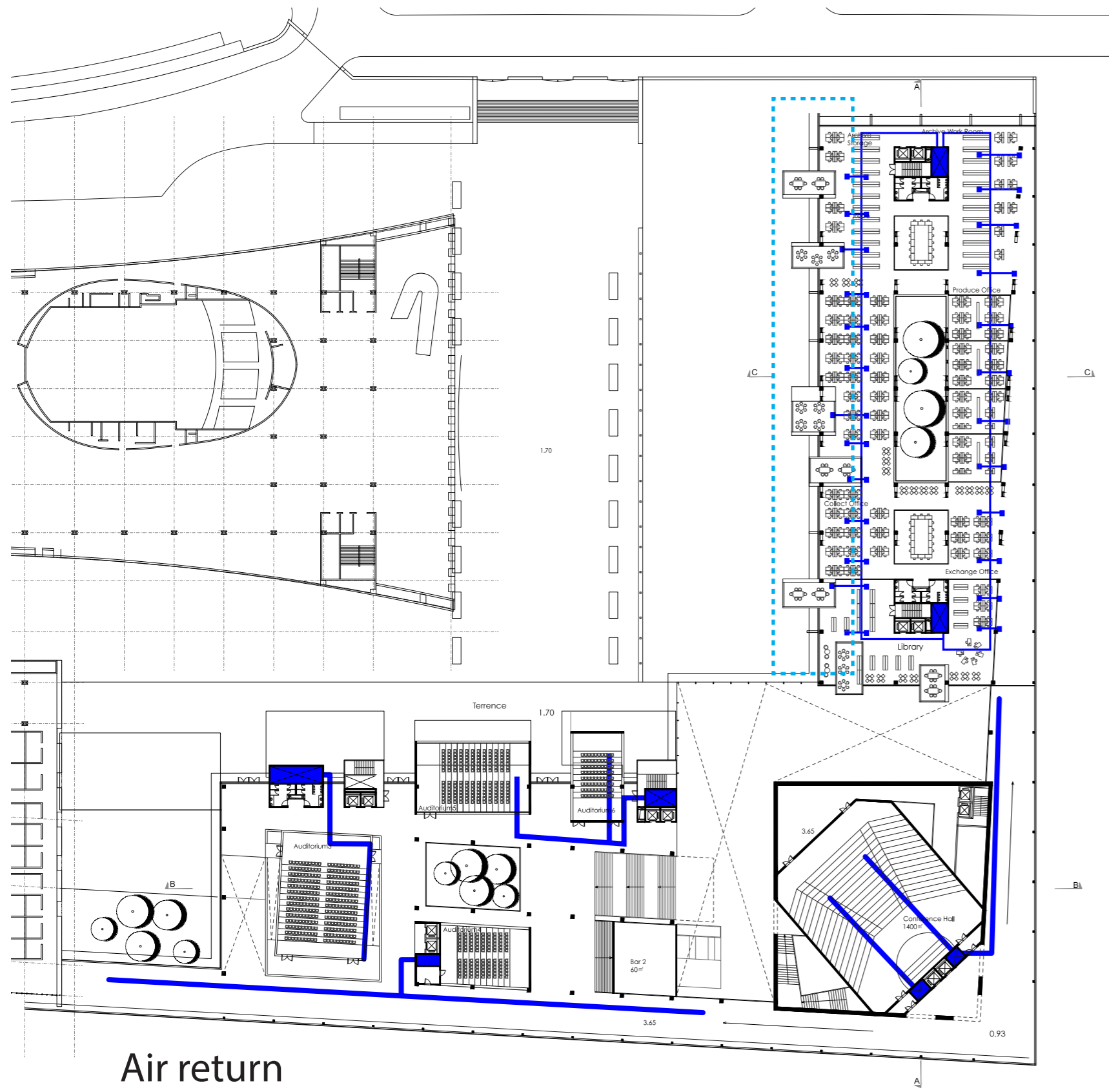


8. Columns and cores



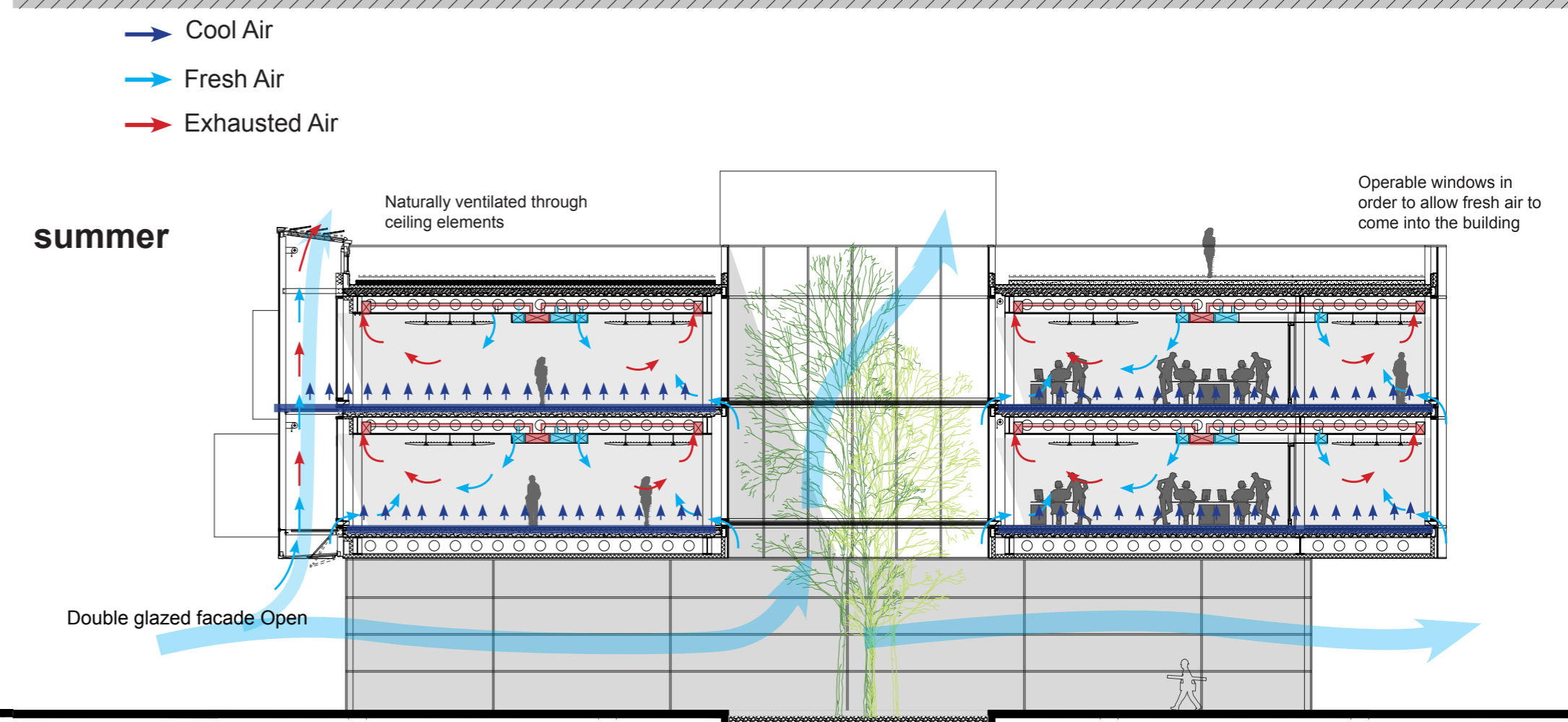
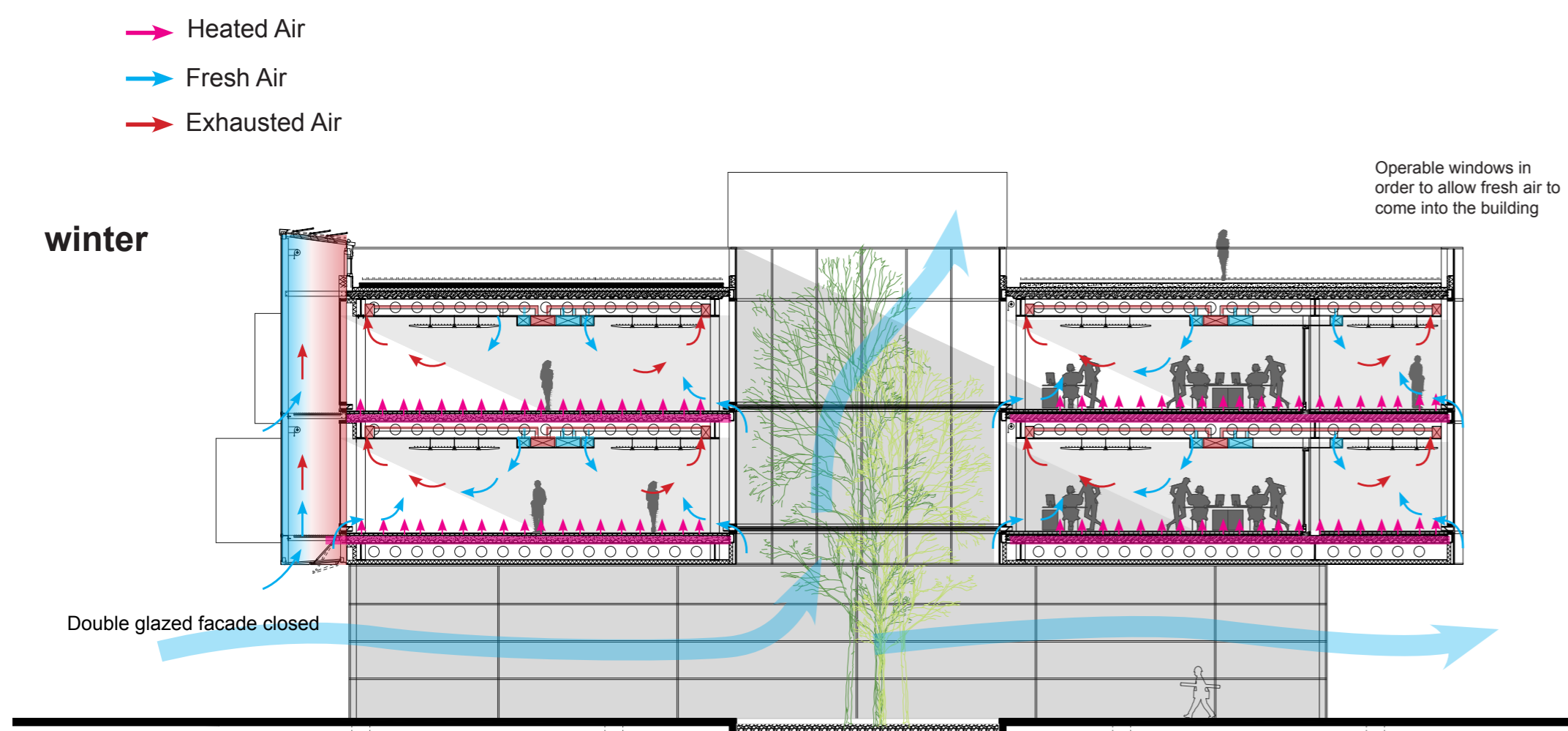
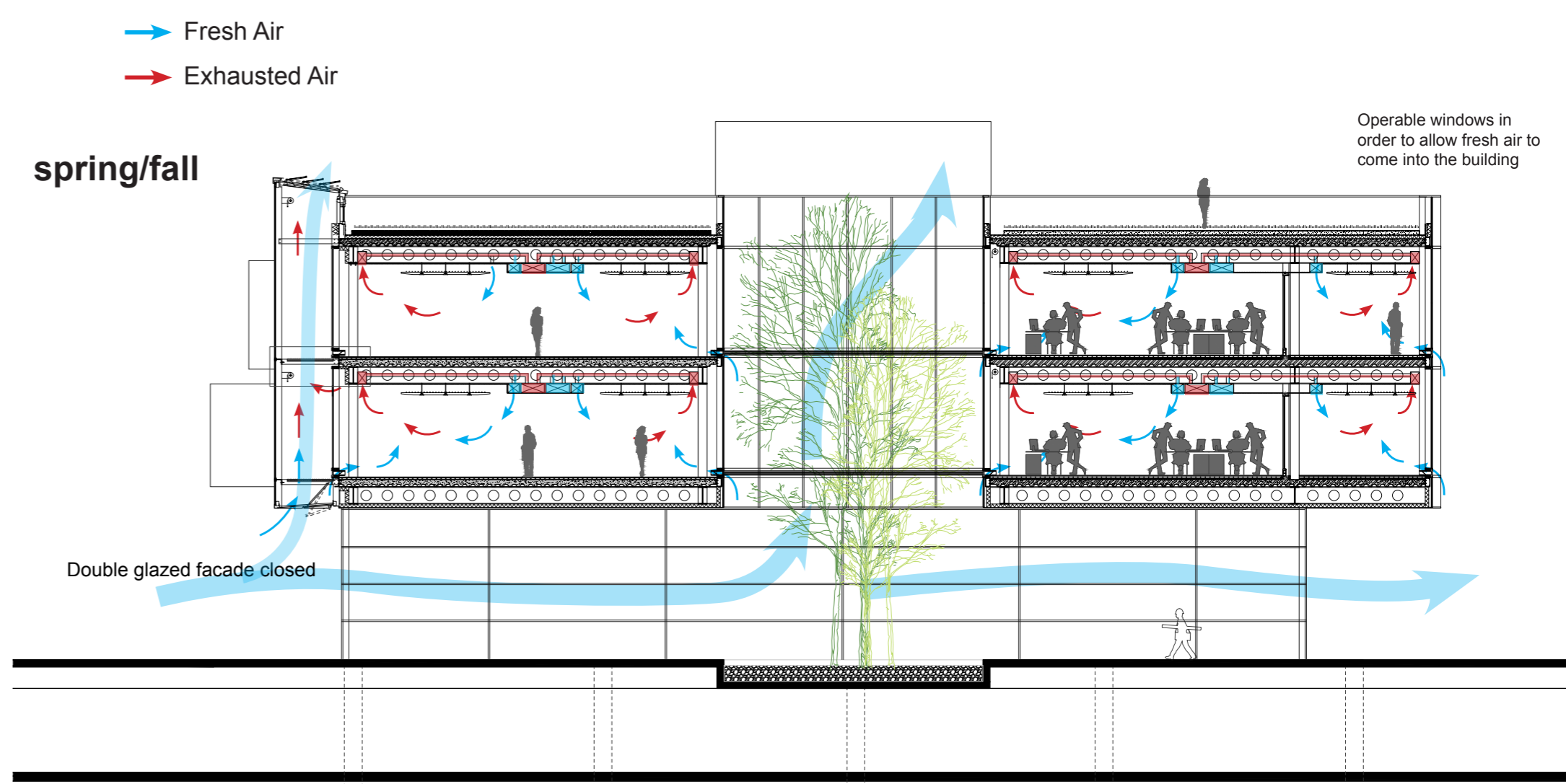
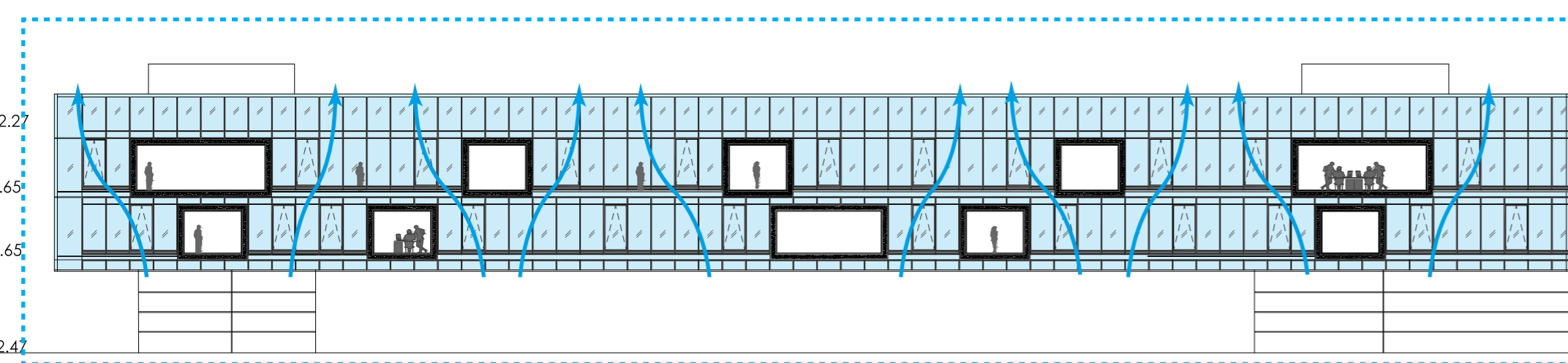


Air system in UNEC



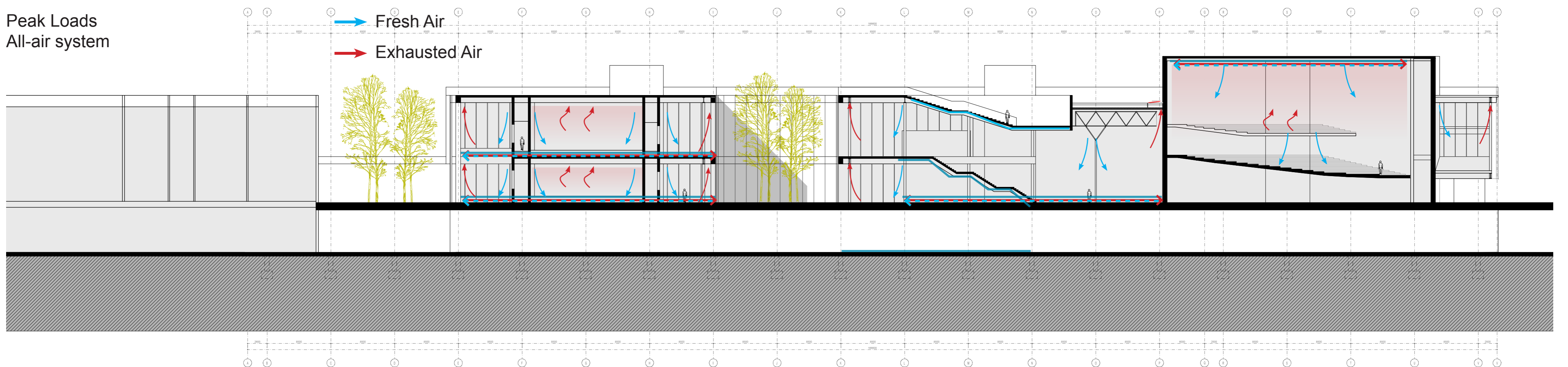
Office Part

Evenly use  
Natural Ventilation  
Floor heating/cooling



Auditorium Part

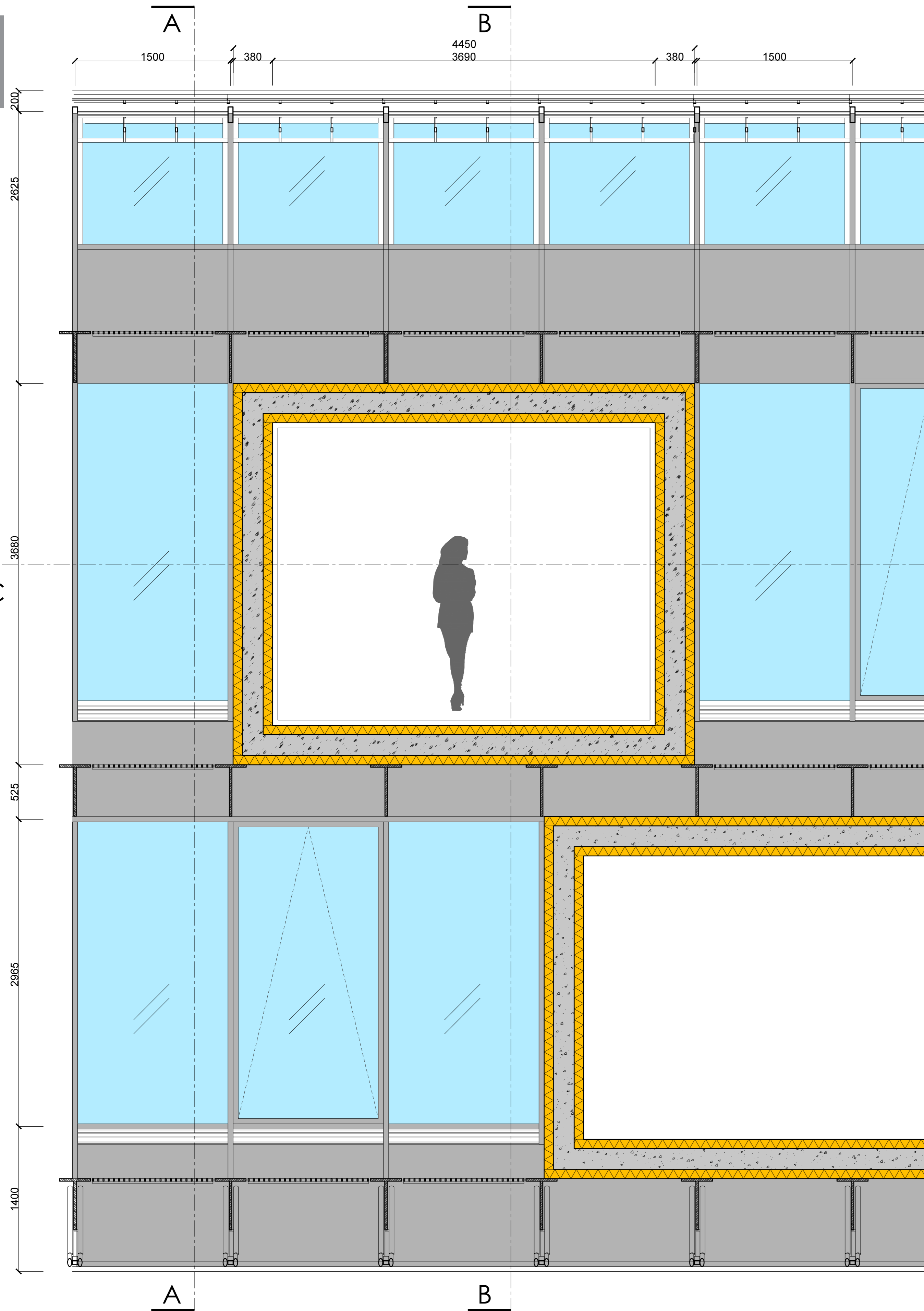
Peak Loads  
All-air system



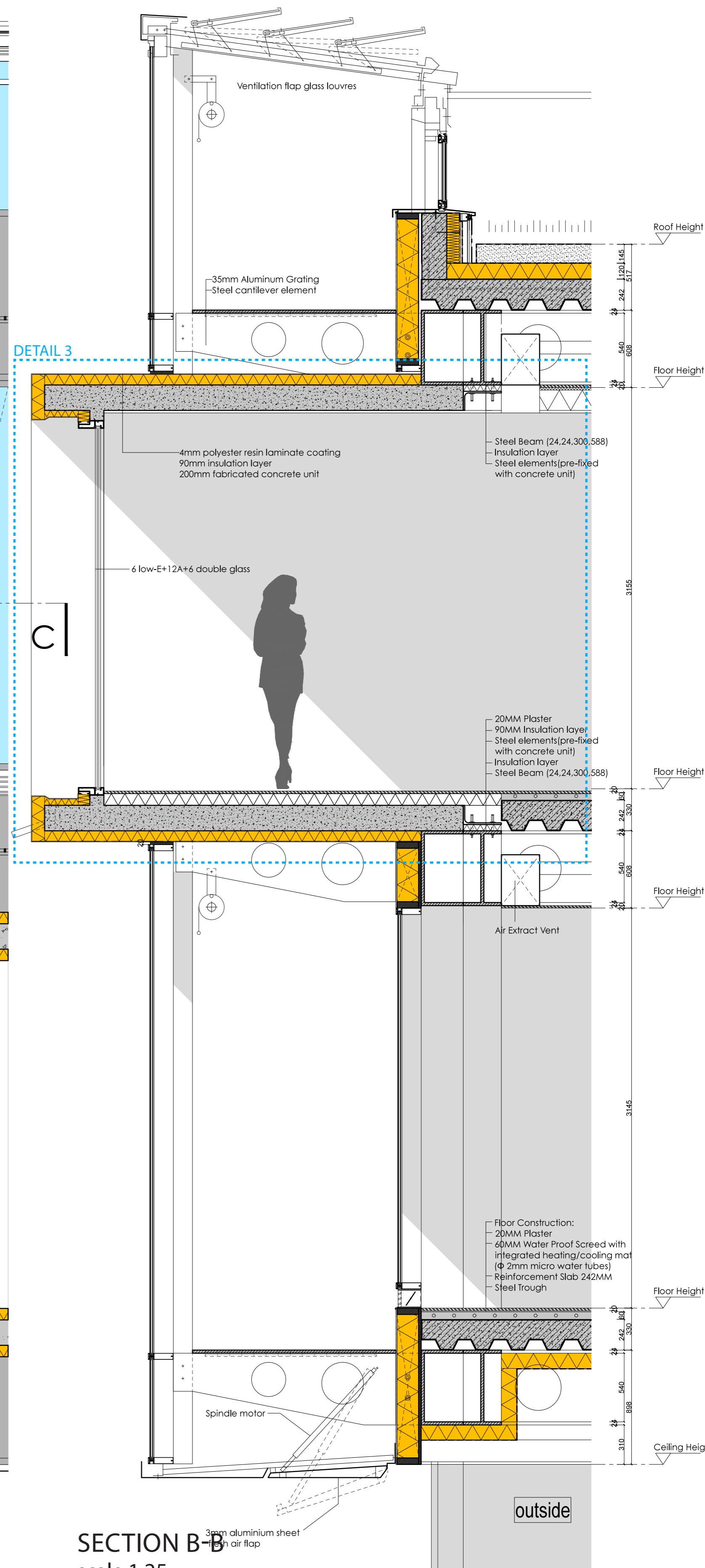




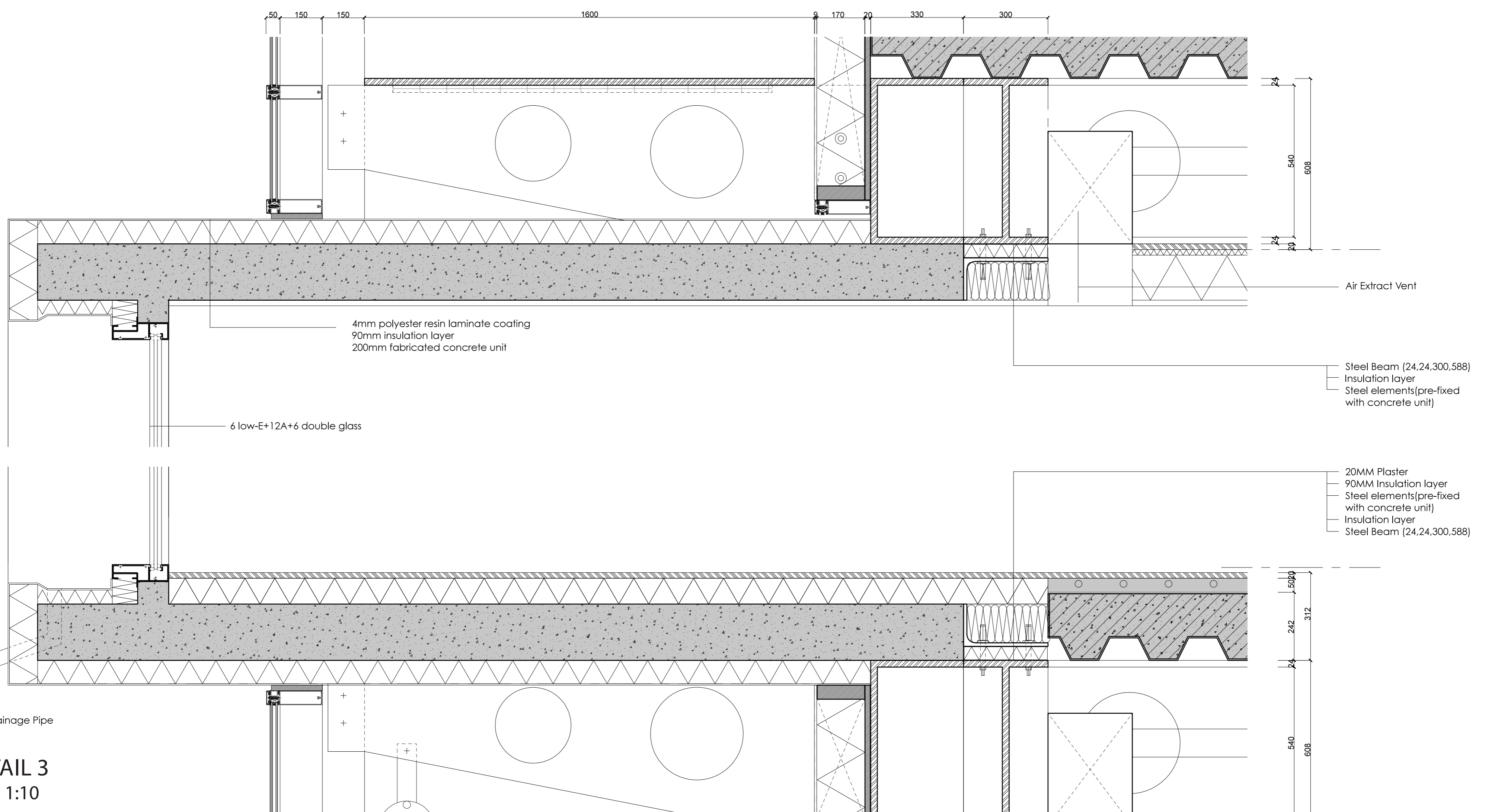




FACADE FRAGMENT (INNER FACADE)  
scale 1:25



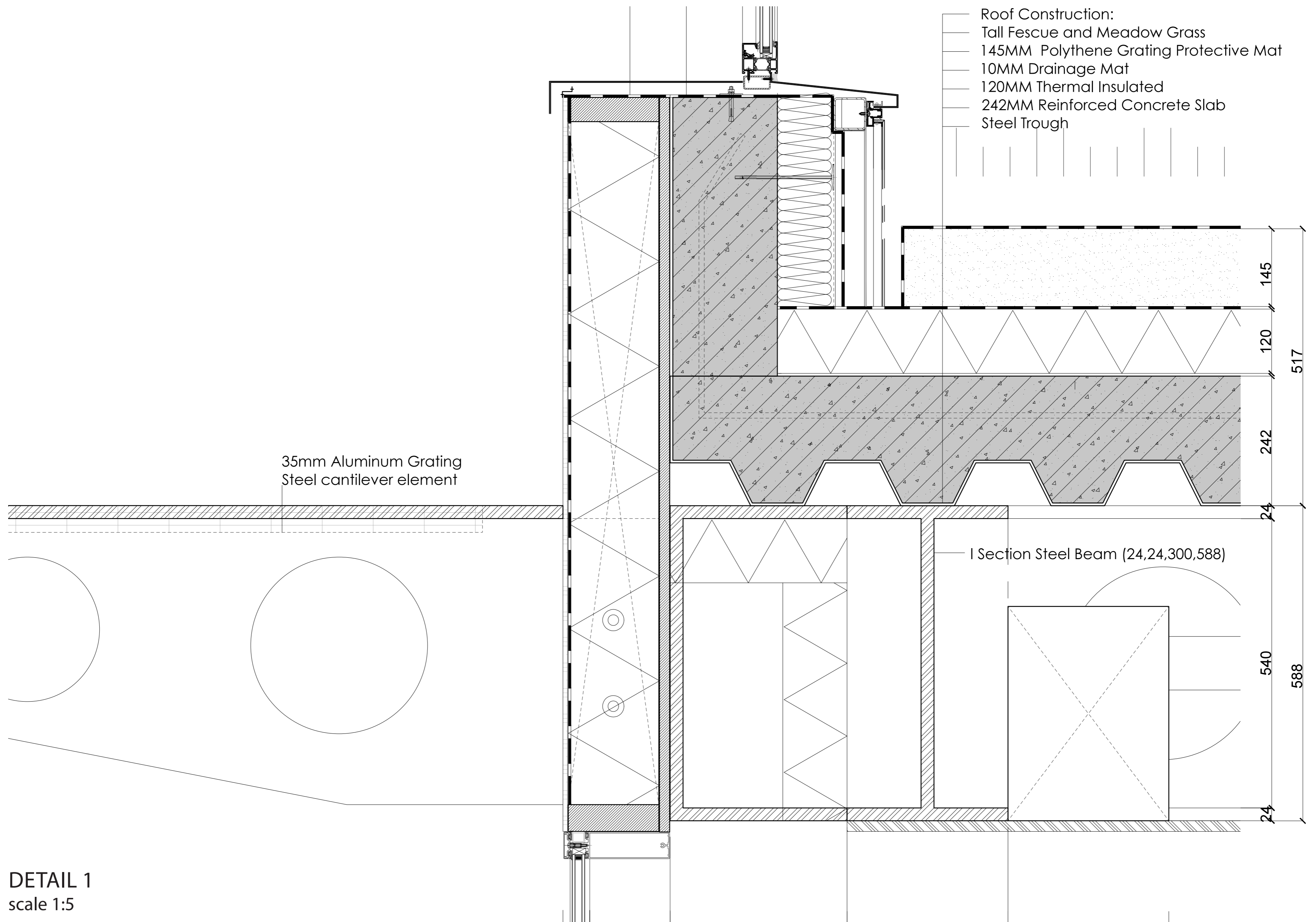
SECTION B-B  
scale 1:25



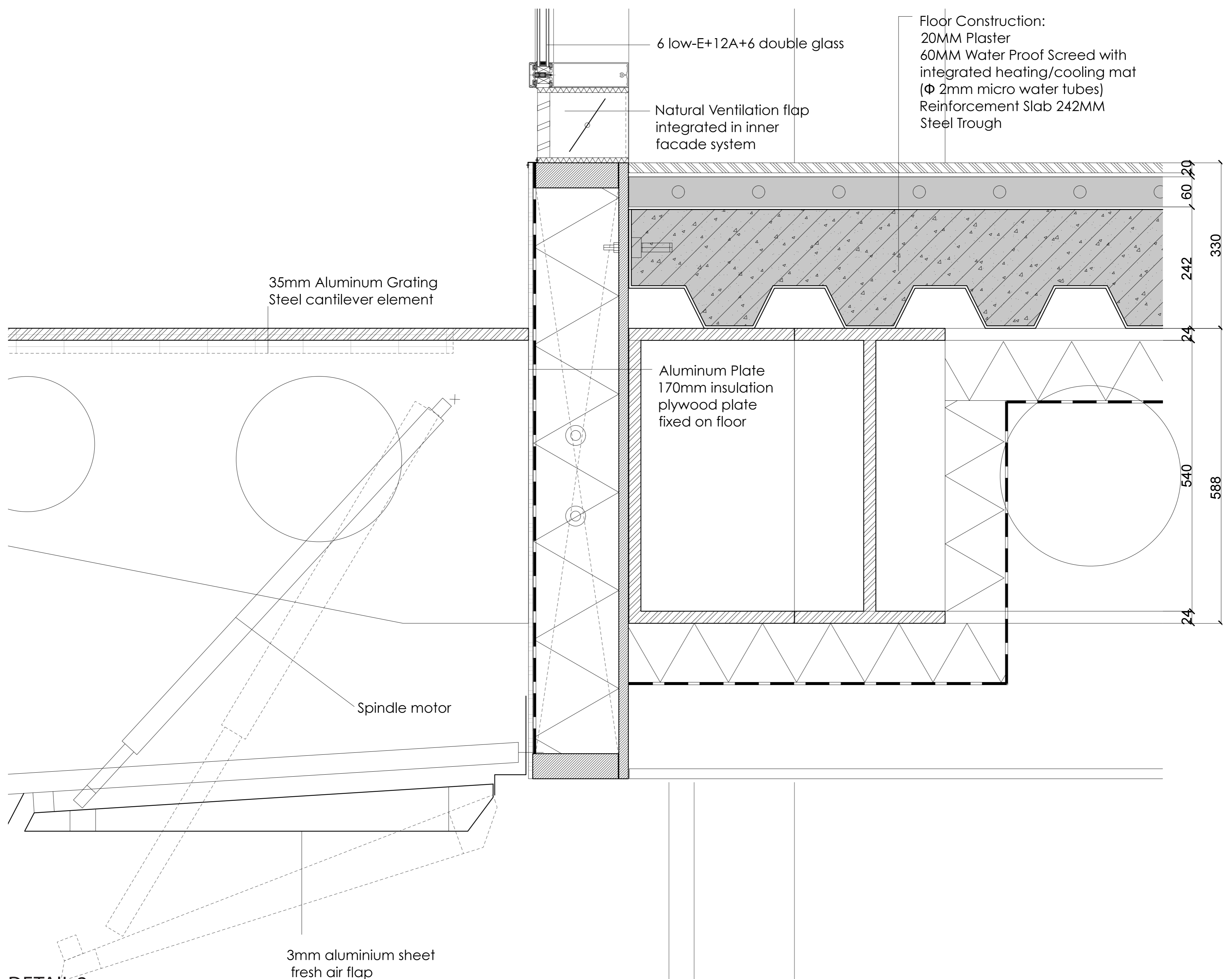
DETAIL 3  
scale 1:10







DETAIL 1  
scale 1:5



DETAIL 2  
scale 1:5

