

# public + building.

a design approach for the new Flemish Museum of Modern Art Antwerp  
( Vlaams museum hedendaagse kunst Antwerp **VMHK** )  
formally known as **M HKA**

history

institute

site

public

structure

building

impresision



history

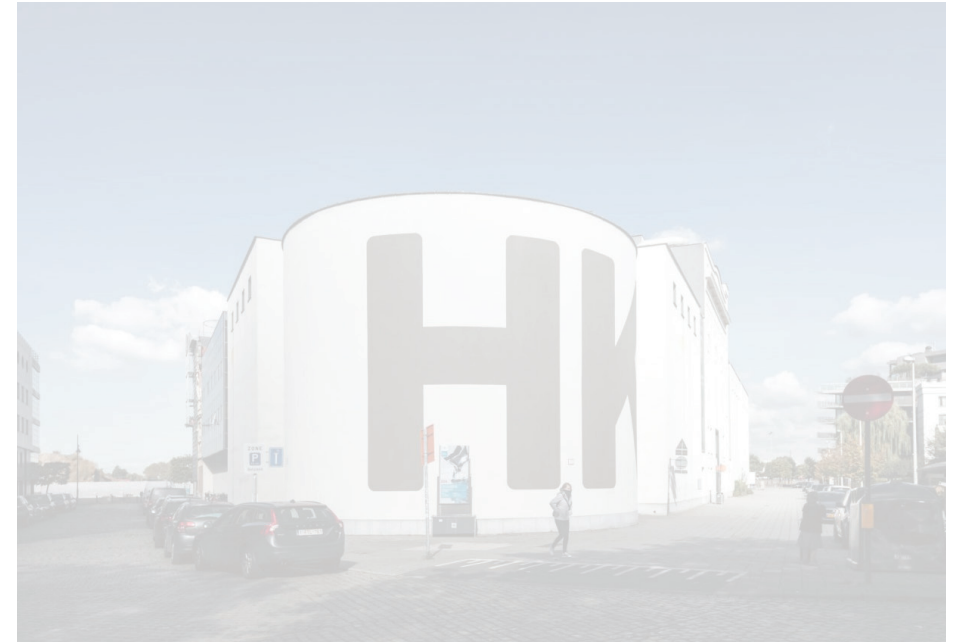
**M HKA** and its history in uncertain spaces - an anti-museum rooted within its DNA



1969



1992



Present time



Official opening of exhibition by Ben Vautier en Nicole Goethem, 1987





structure



context



people





Opening of exhibition called "British sculpture" 1960-1988.



1969



1992



Present time





1969



1992



Present time

institute

**M HKA** and its future ambition towards **VMHK**.

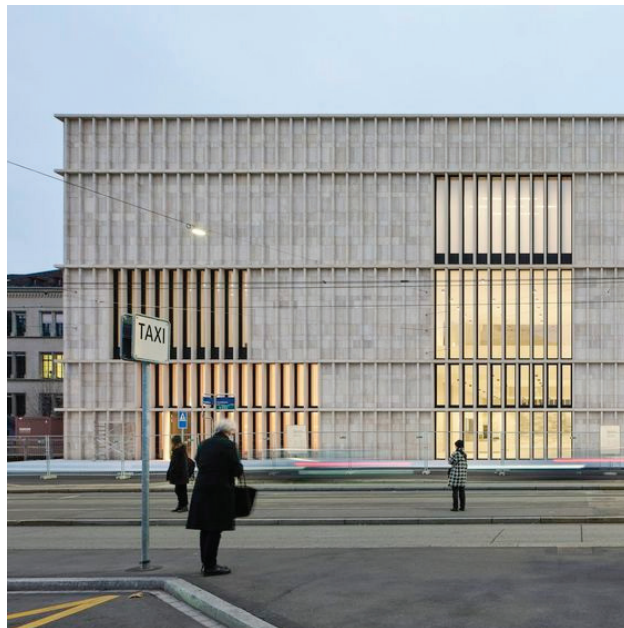
# Program Area Comparison of the Eight Precedents



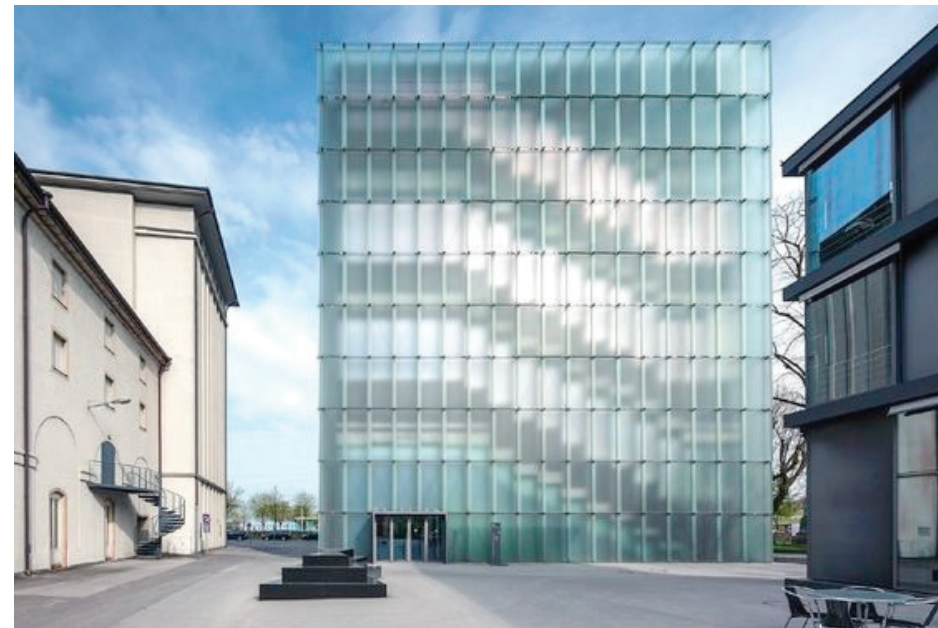
1 of the Eight Precedents







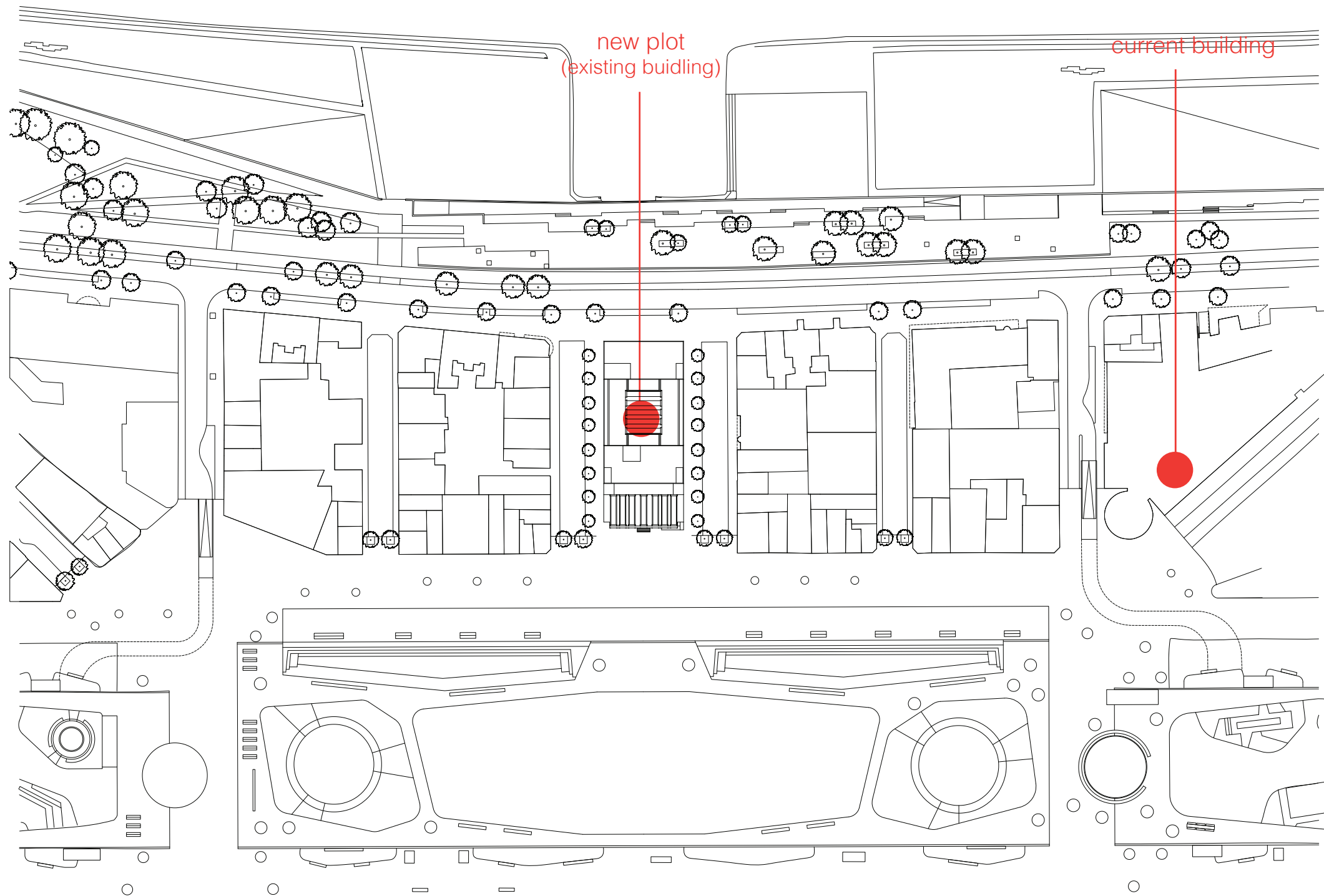
Kunsthaus Zurich,  
David Chipperfield.  
23.300 s.q.m.



Kunsthaus Bregenz,  
Peter Zumthor.  
3.440 s.q.m.

site

construction of recognized strategy



located building plot VMHK



Image court of appeal building.

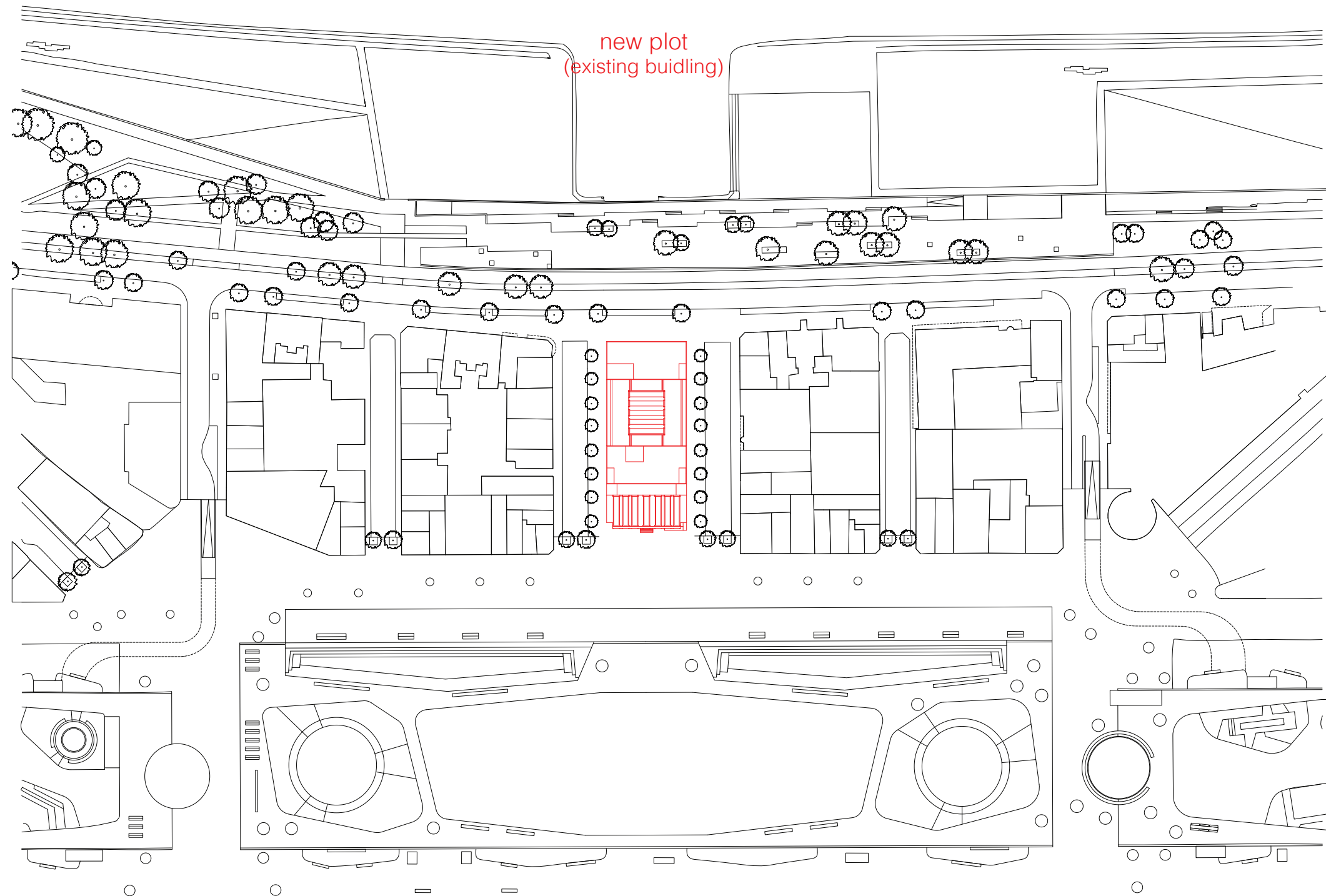




Image model court of appeal and site 1.200



Image of former grain silo prior to the acquisition by **M HKA**.



new plot with existing construction as a starting point



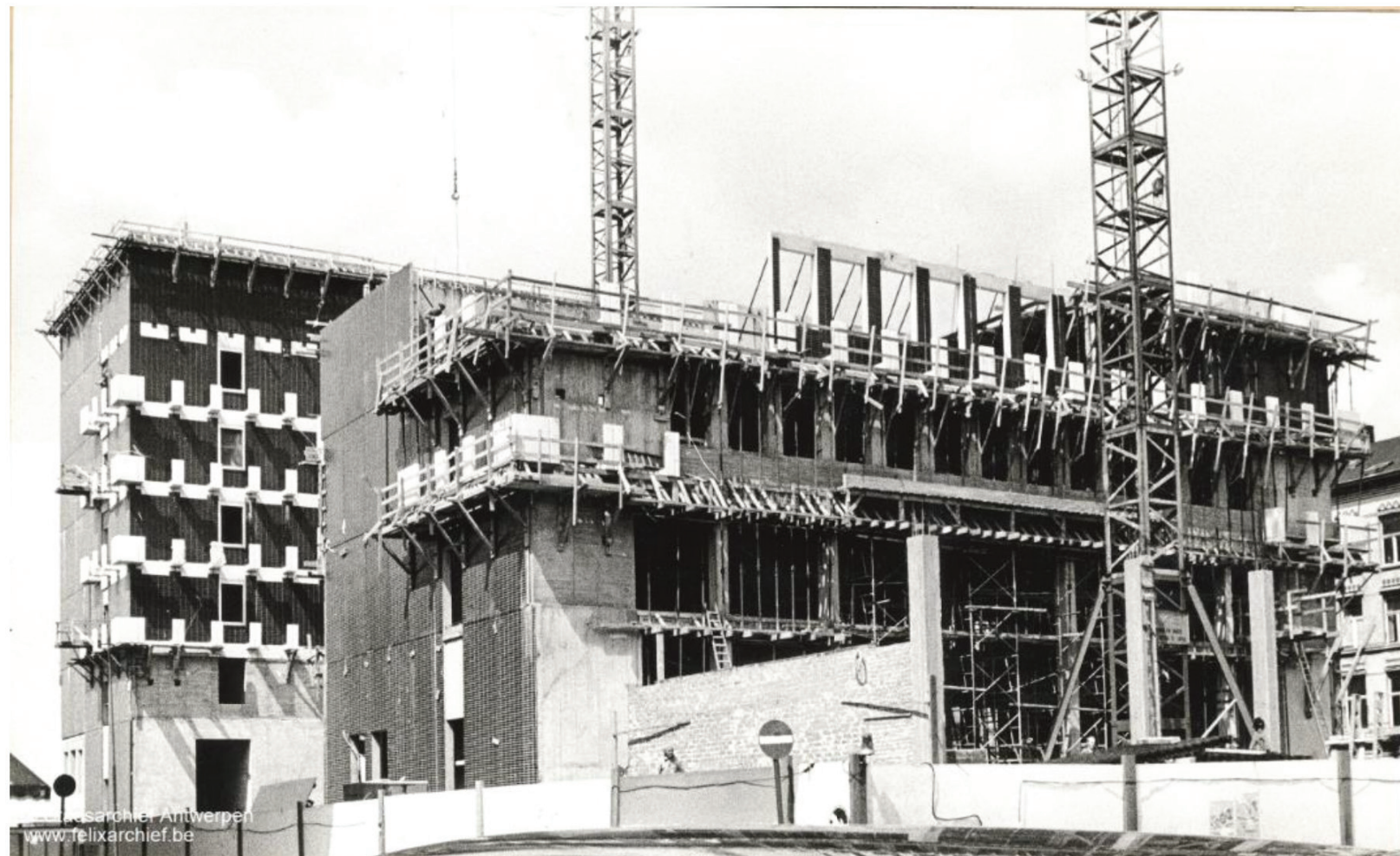
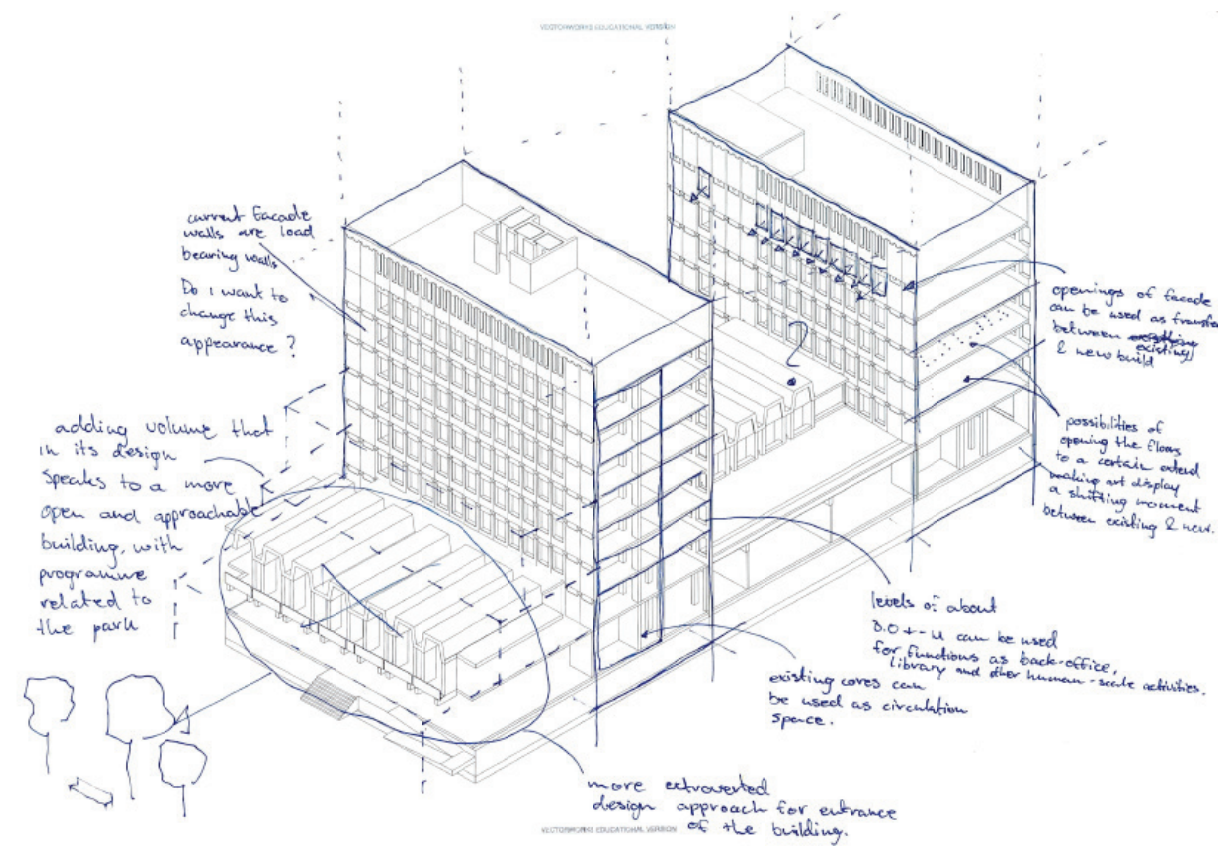


Image of ongoing construction court of appeal building.



To realize the translation of M HKA's identity and origins, I consider it an important aspect to continue M HKA in an existing building. Not only does this refer directly to the characteristics of the origin of M HKA as described earlier in its history, but architecturally it also provides an opportunity to present art in character that is predefined to existing space and structure. In this create the possibility of combining site-specific architecture with new construction in which art can function as a mediator between park, river and old and new building fabric.

Potential of existing building, Court of Appeal.

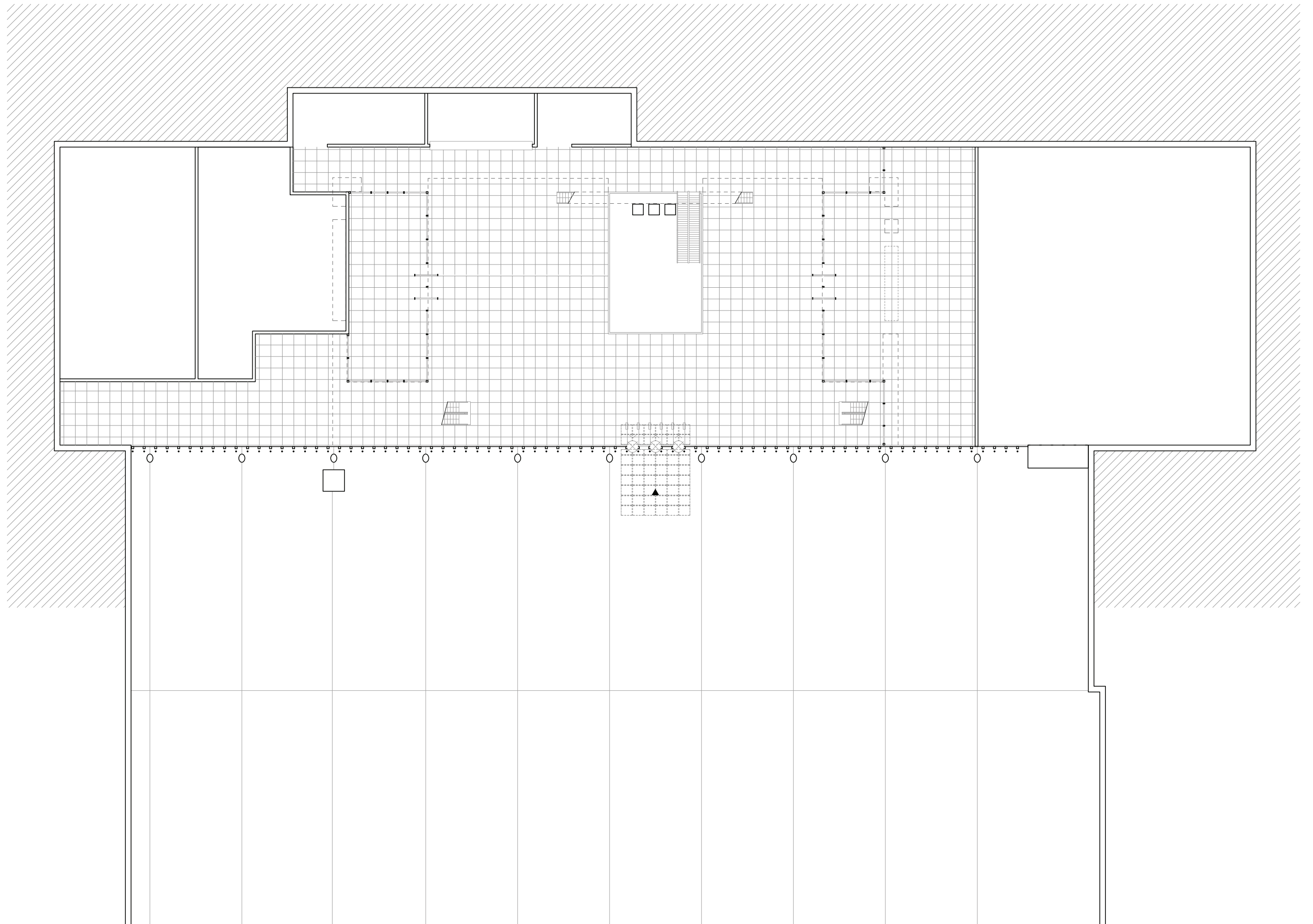




interior image Palais de Tokyo, Lacaton Vassal.



Centre Pompidou in Paris 1977 - Richard Rogers and Renzo Piano with Peter Rice





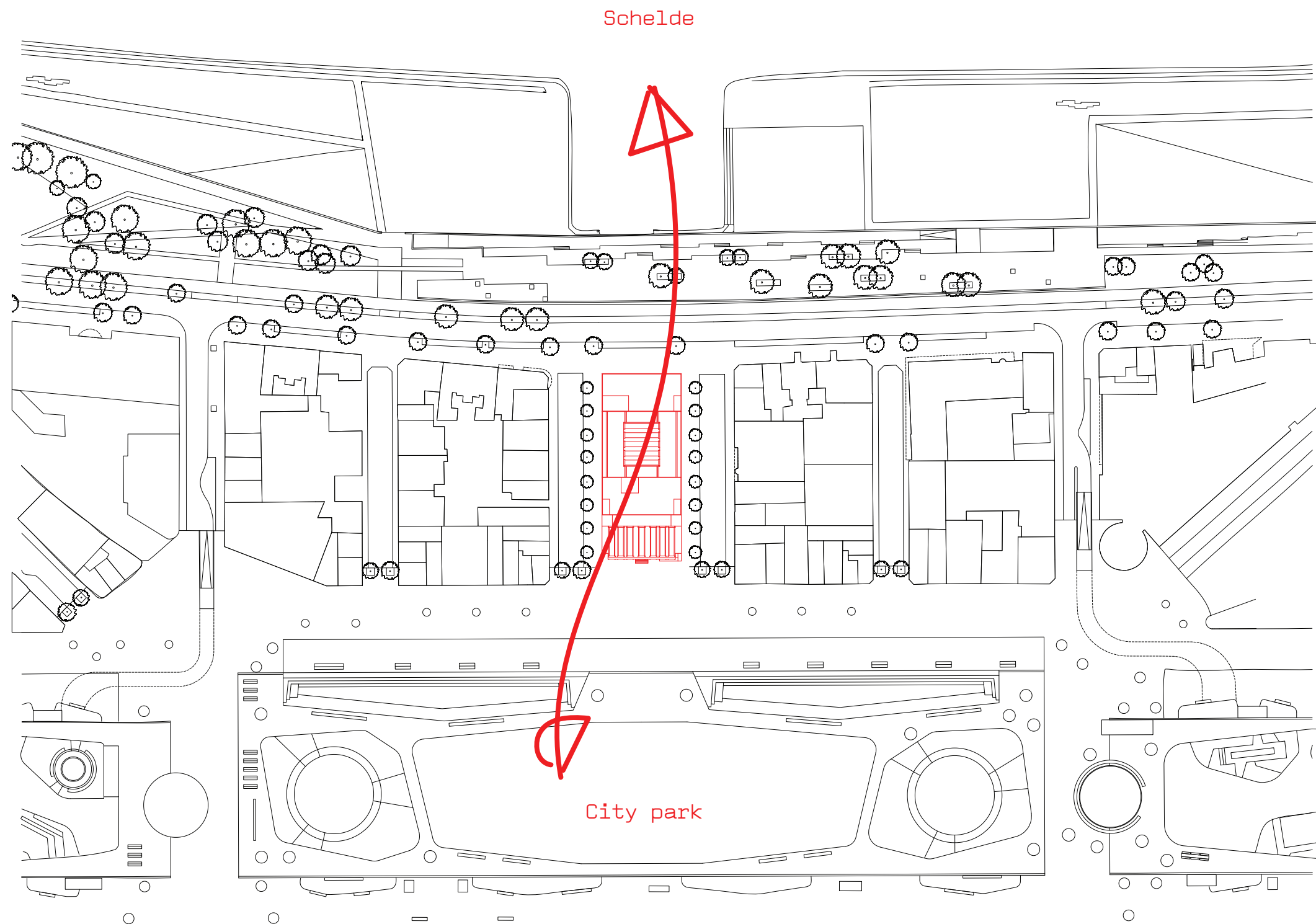


Centre Pompidou interior model (left) vs photograph of interior (right) image taken by Iphone.]



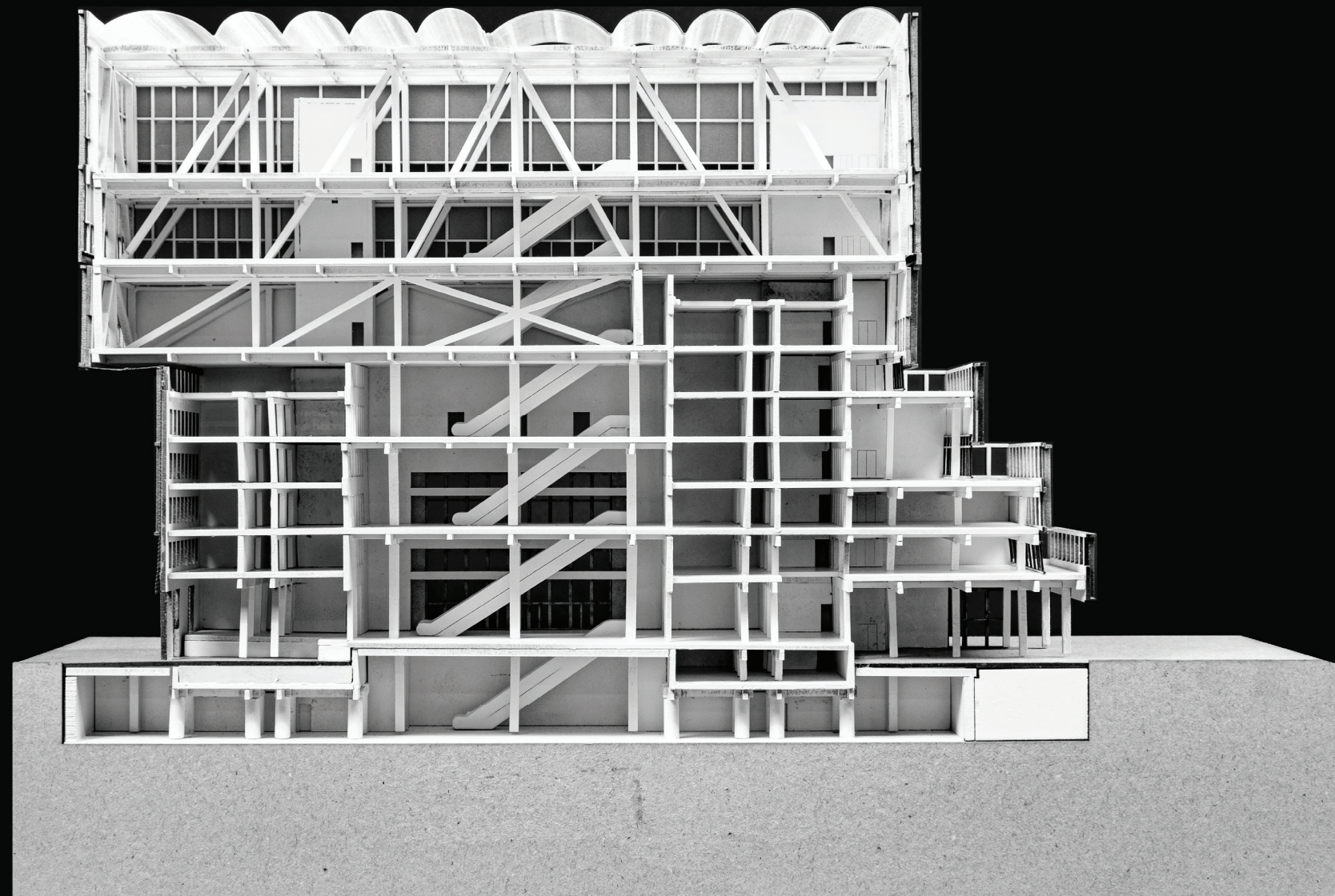


color image of actual 1.33 model setup



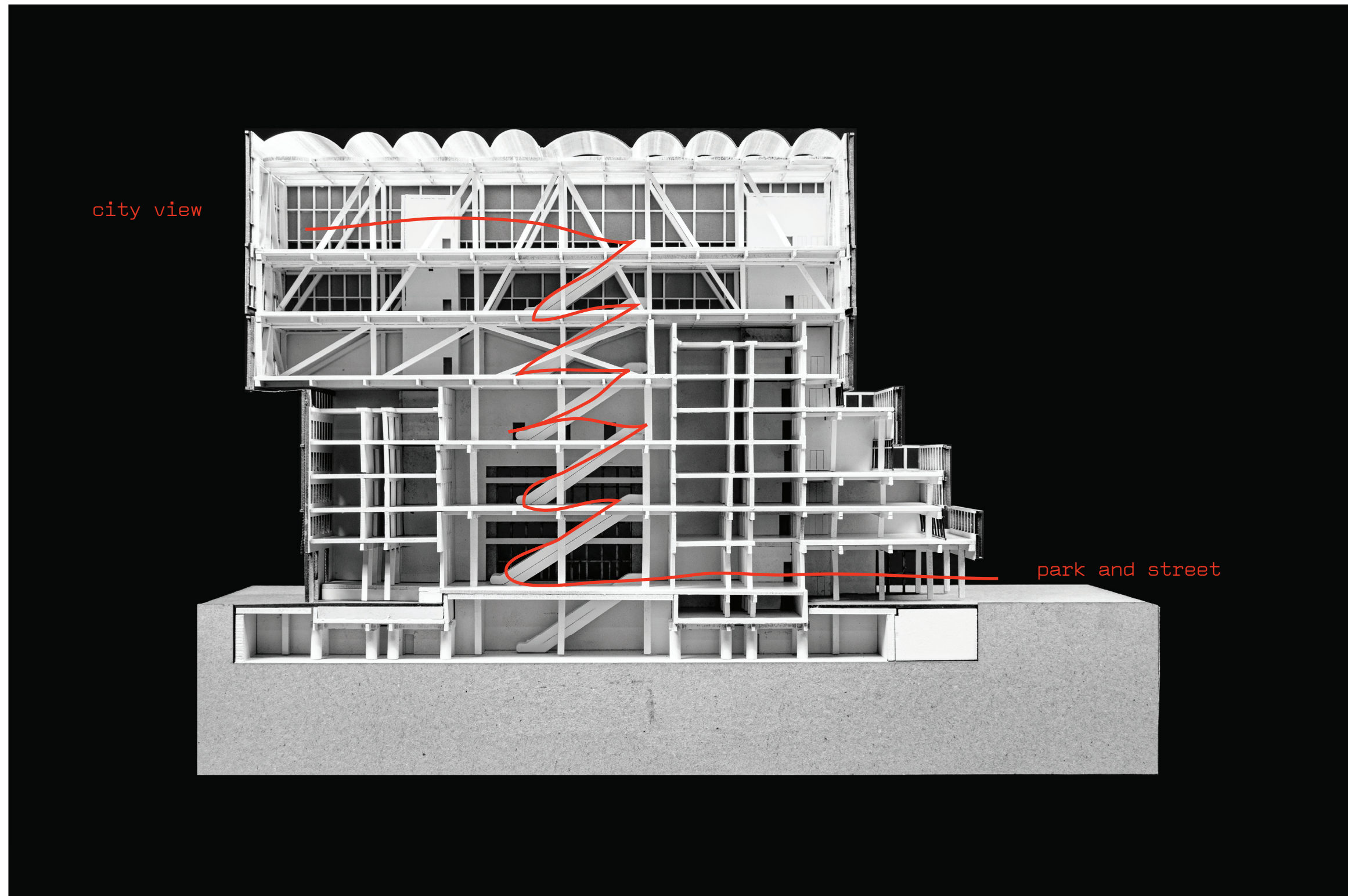
public strategy



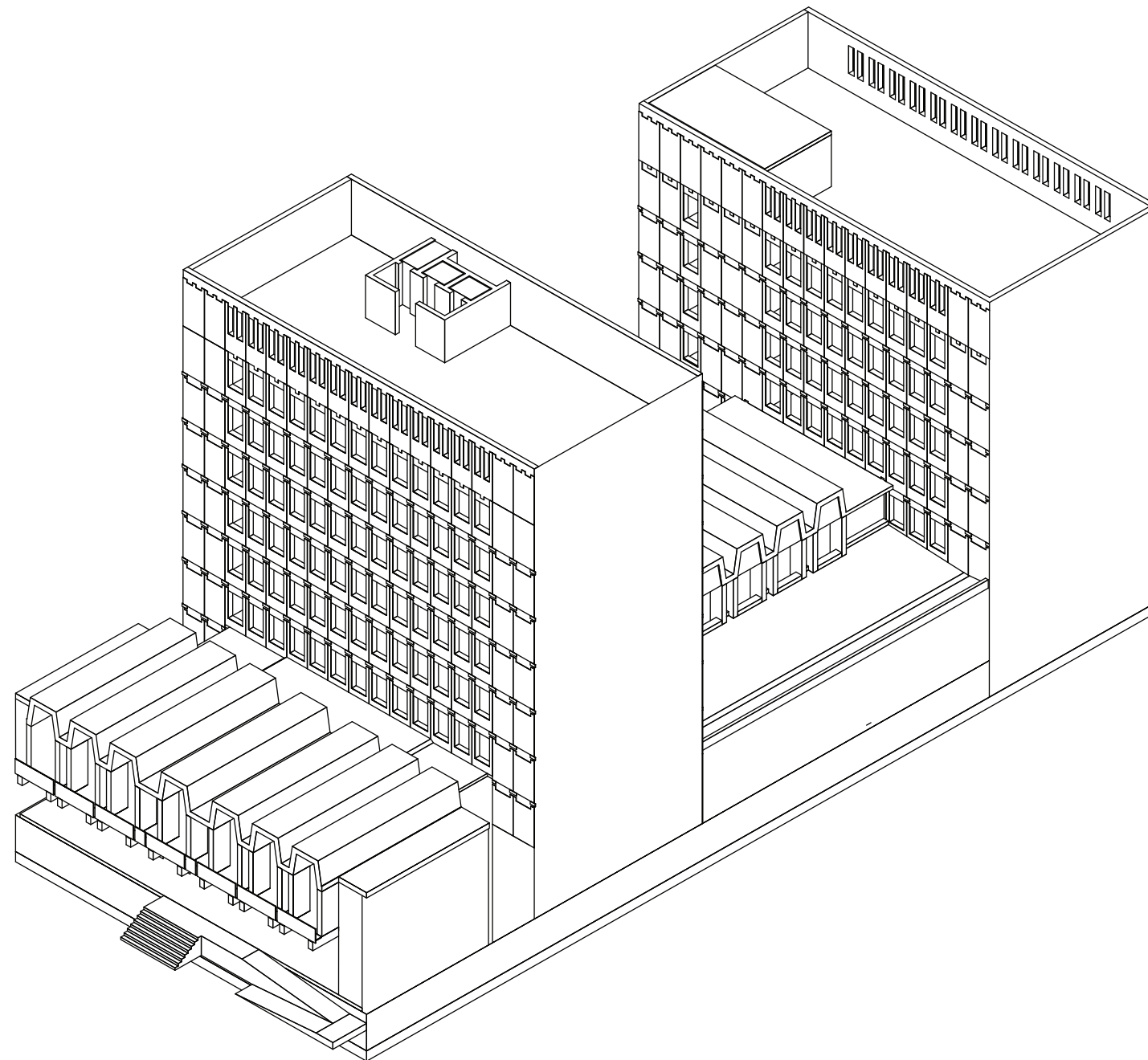


1.200 section design proposal

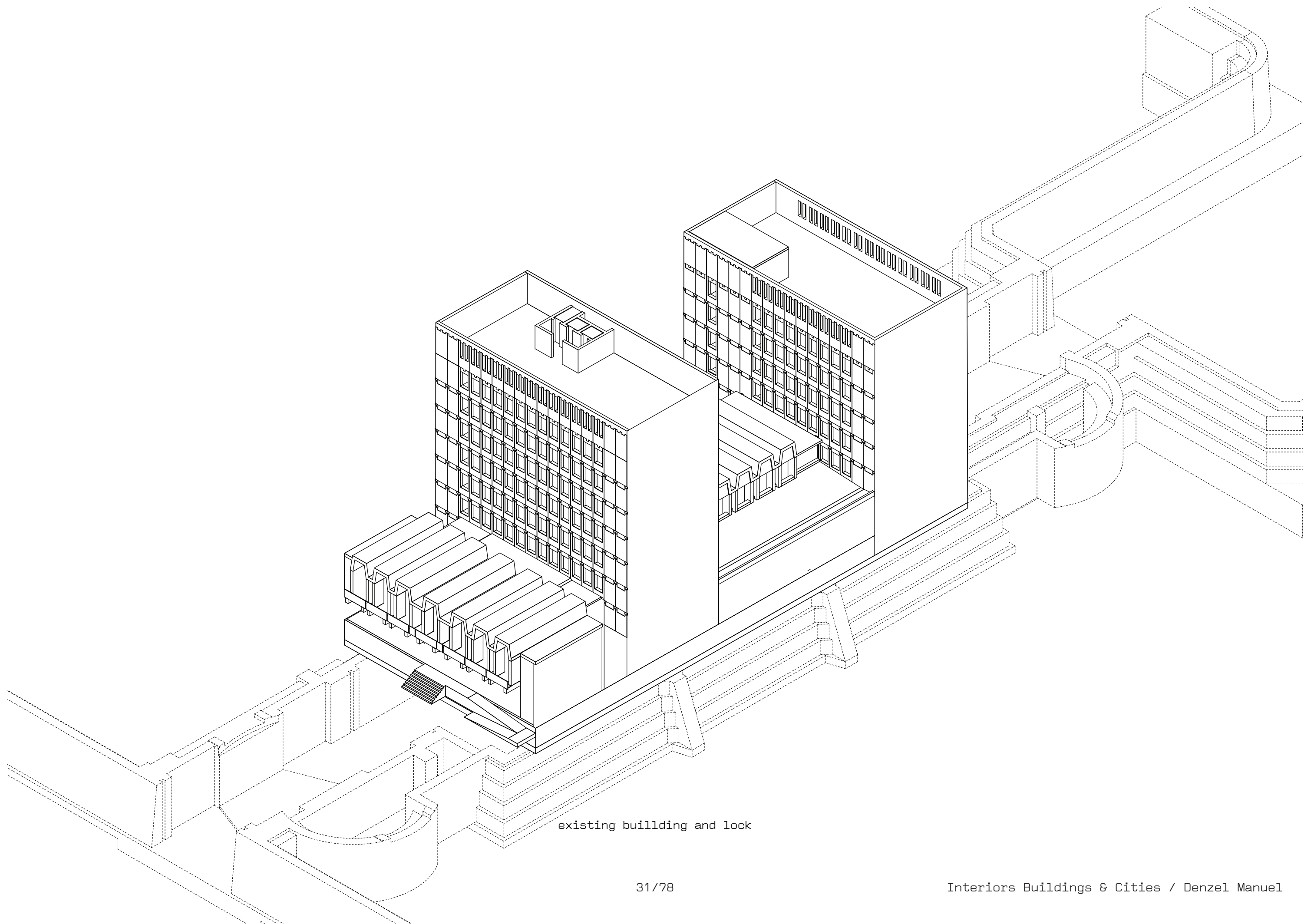




1.200 section design principal

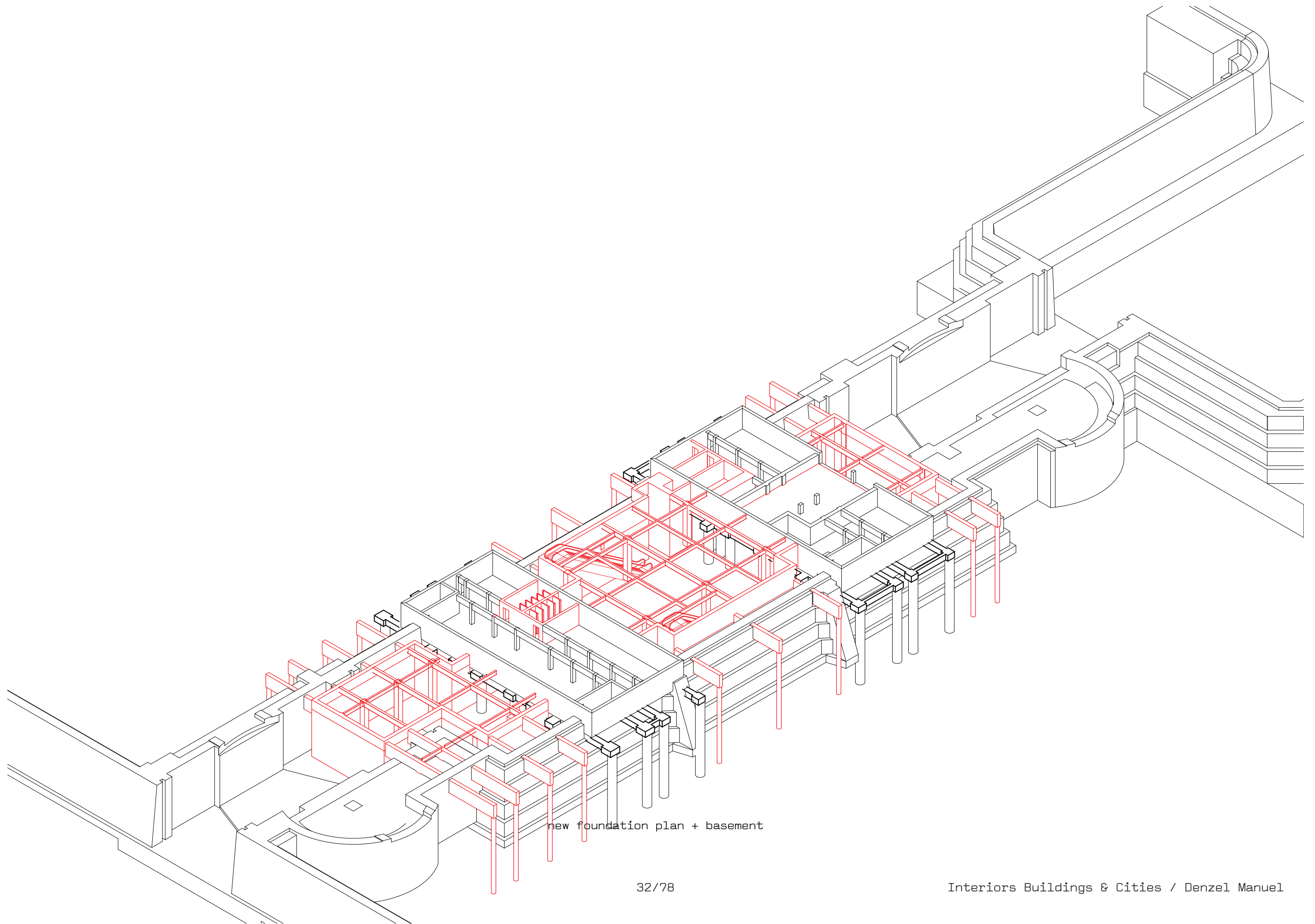


existing building.



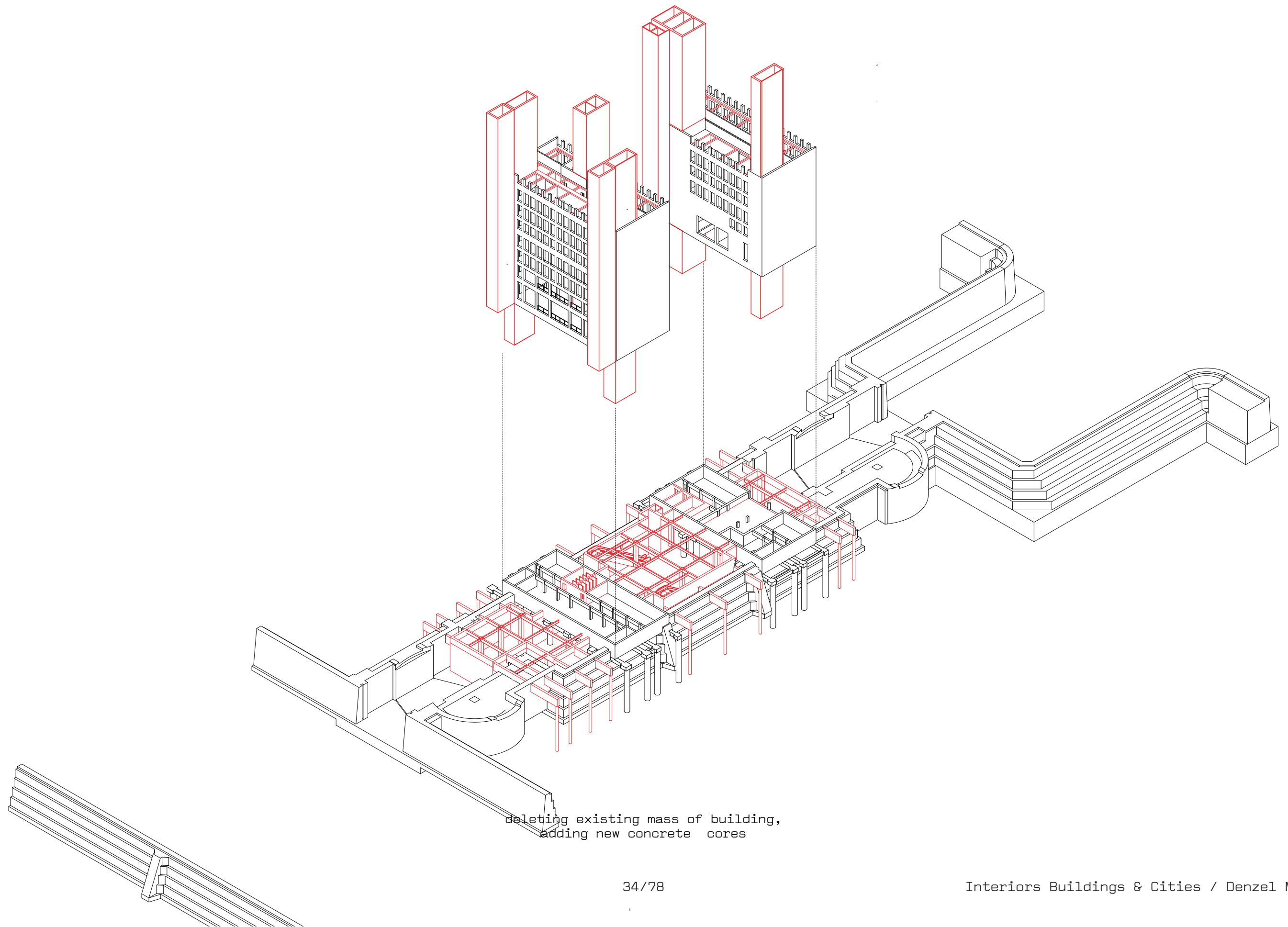
existing building and lock



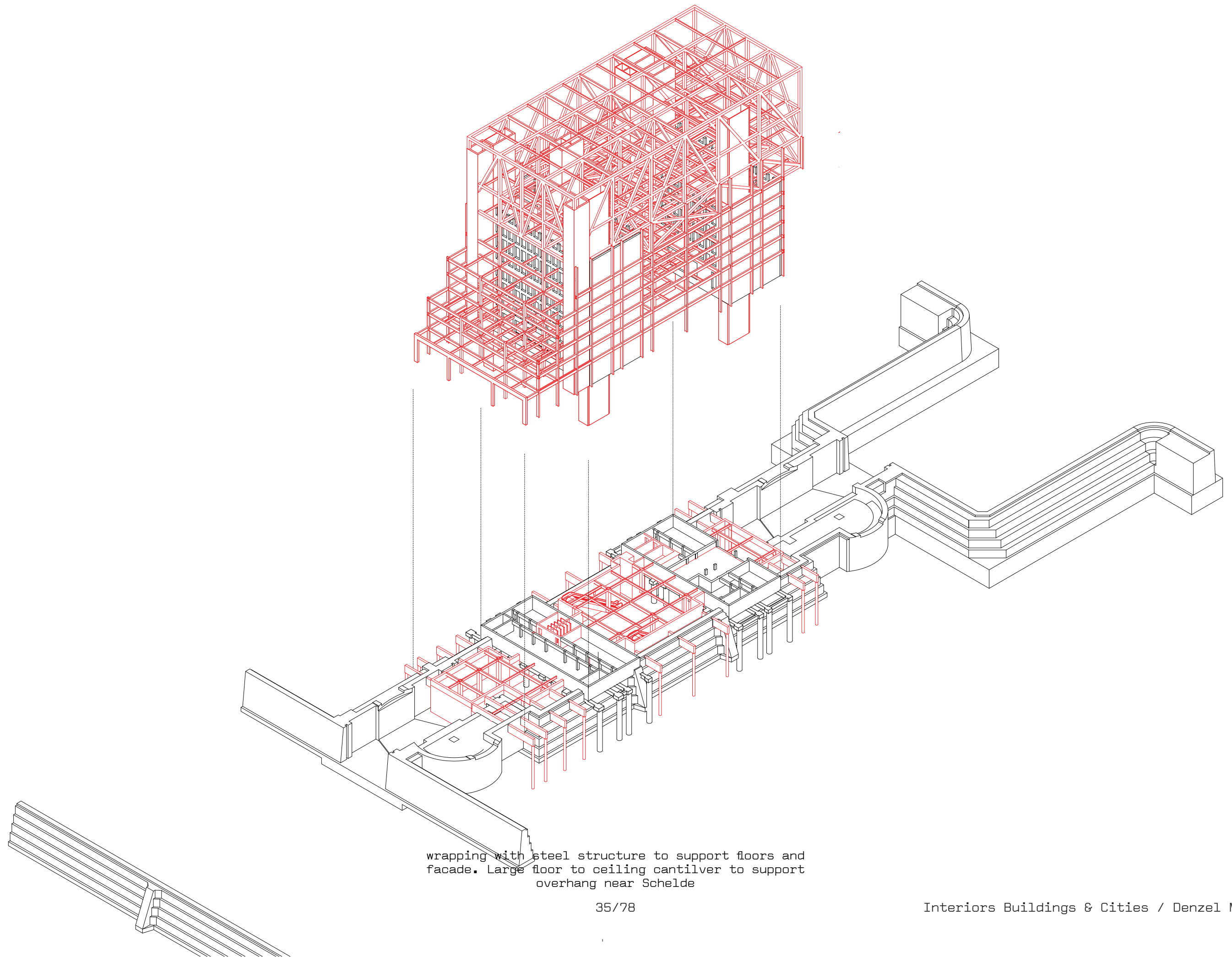


new foundation plan + basement

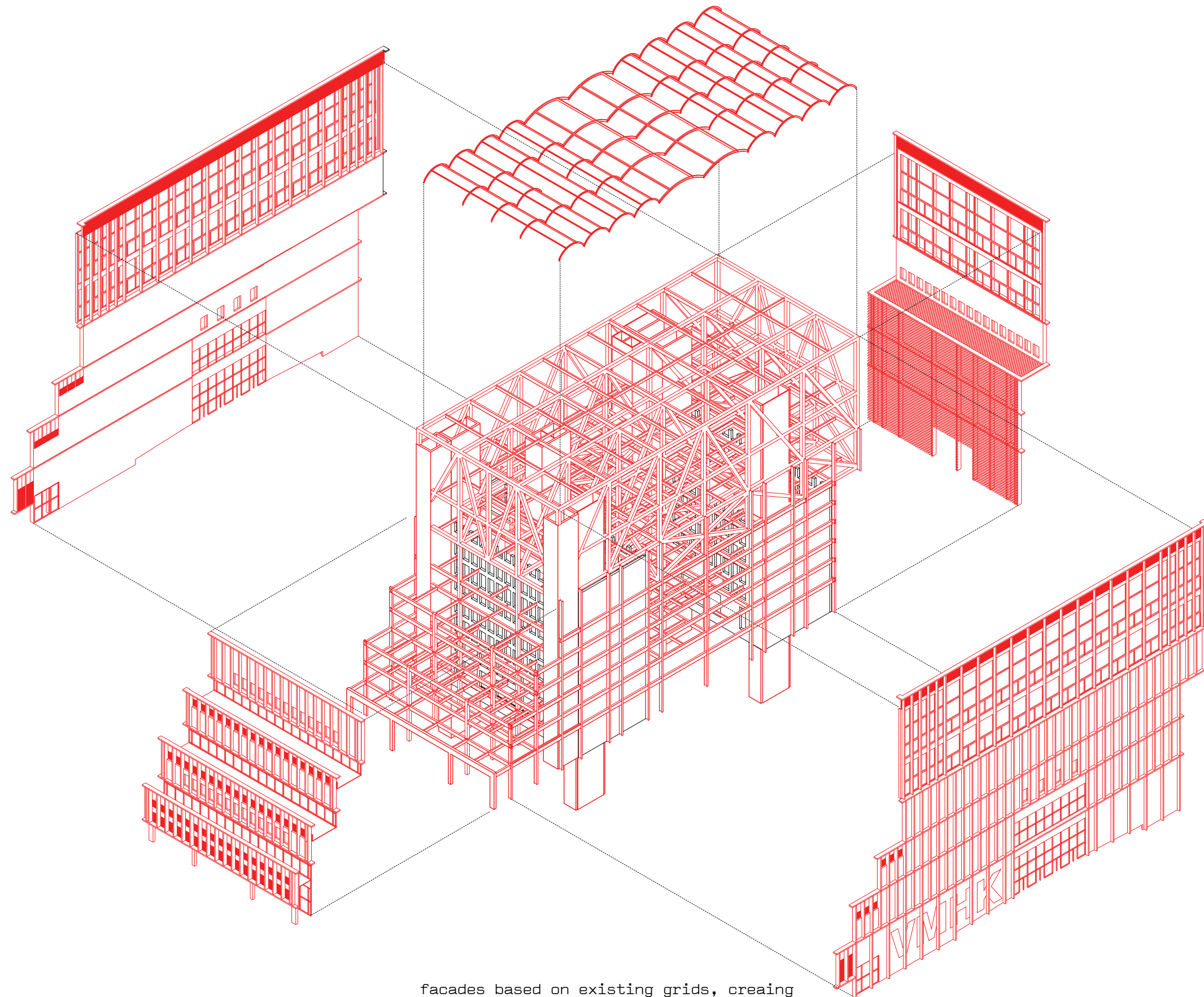




deleting existing mass of building,  
adding new concrete cores

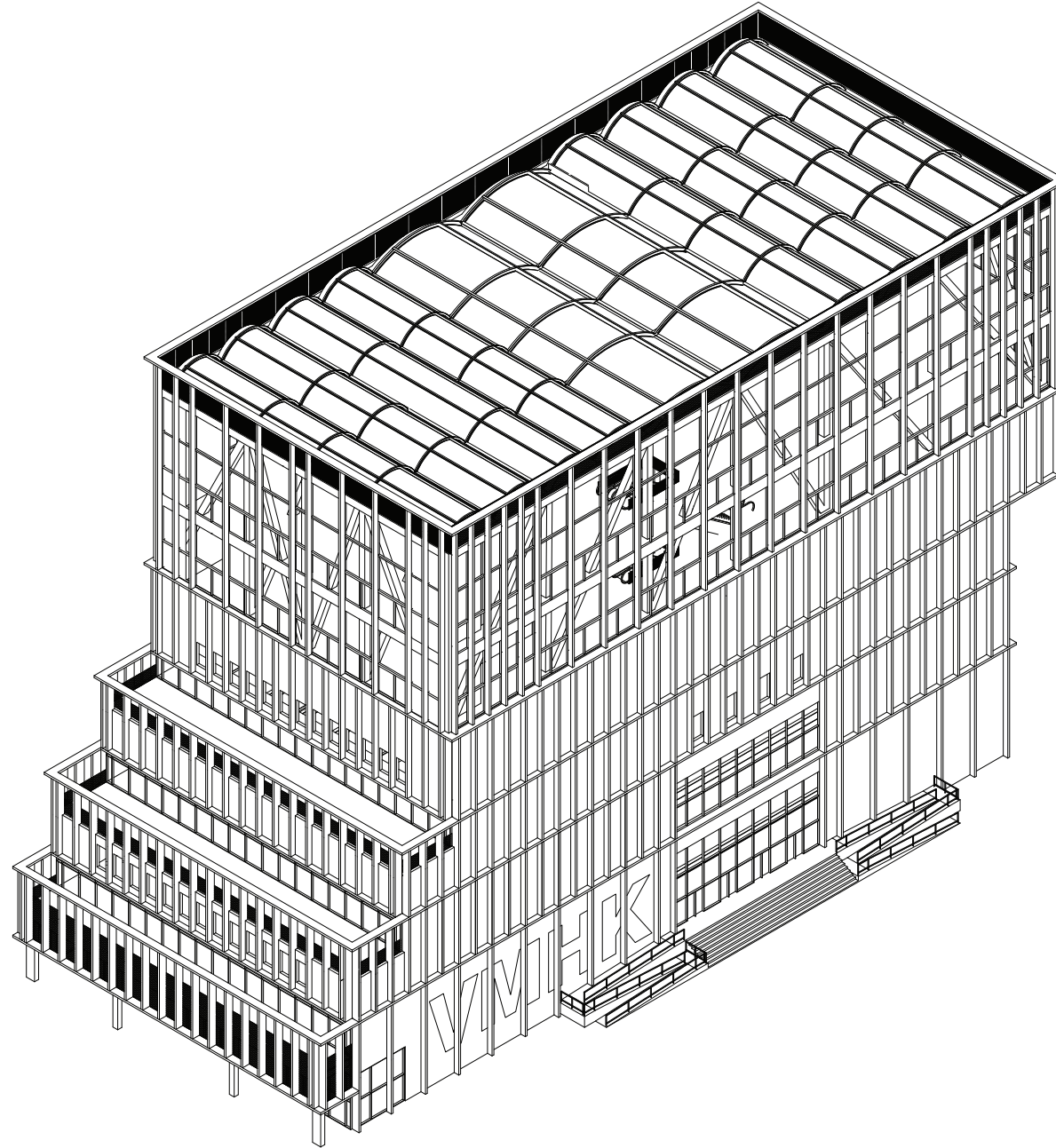


wrapping with steel structure to support floors and facade. Large floor to ceiling cantilver to support overhang near Schelde



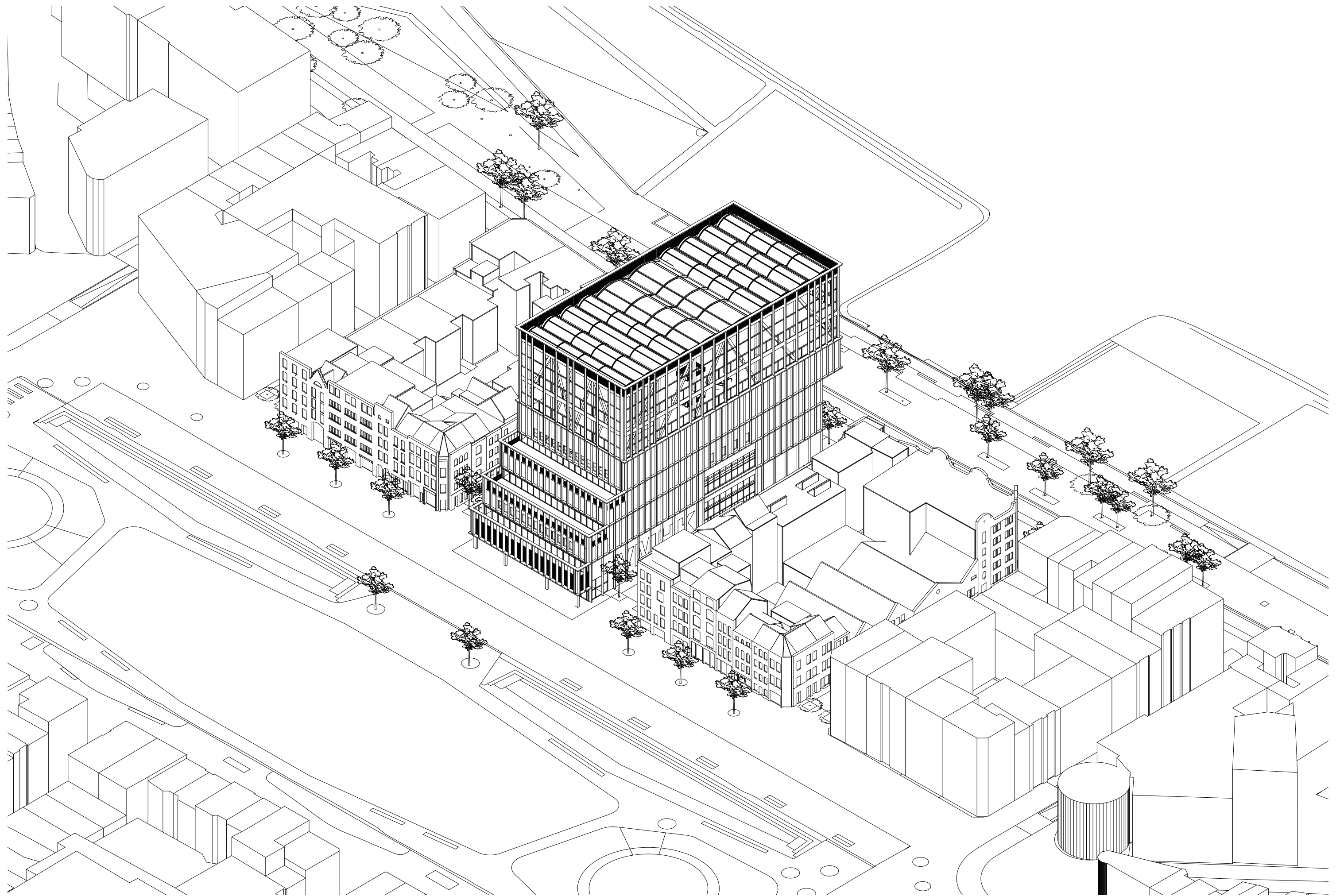
facades based on existing grids, creating horizontal and vertical linework by using corrugated steel cladding.

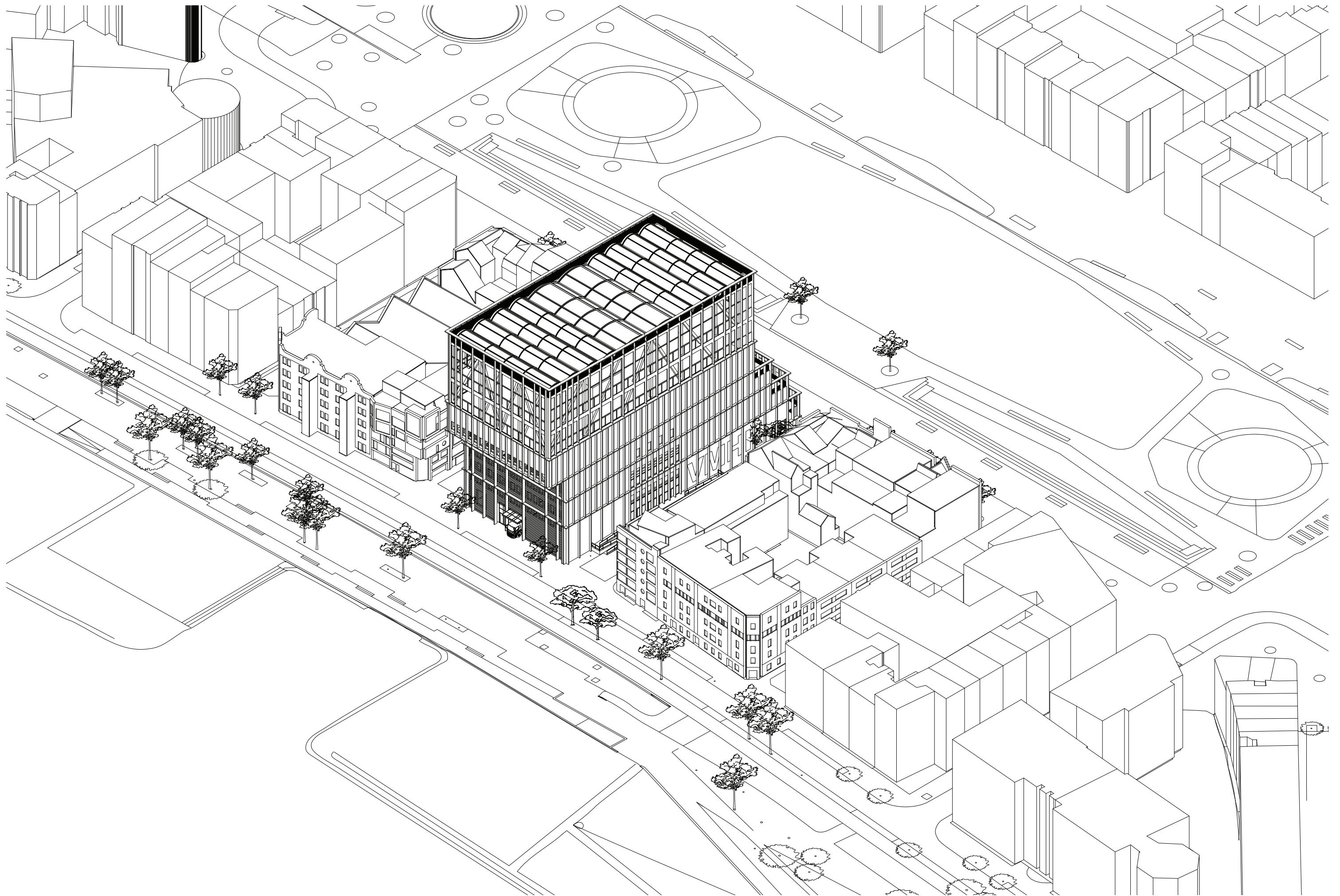




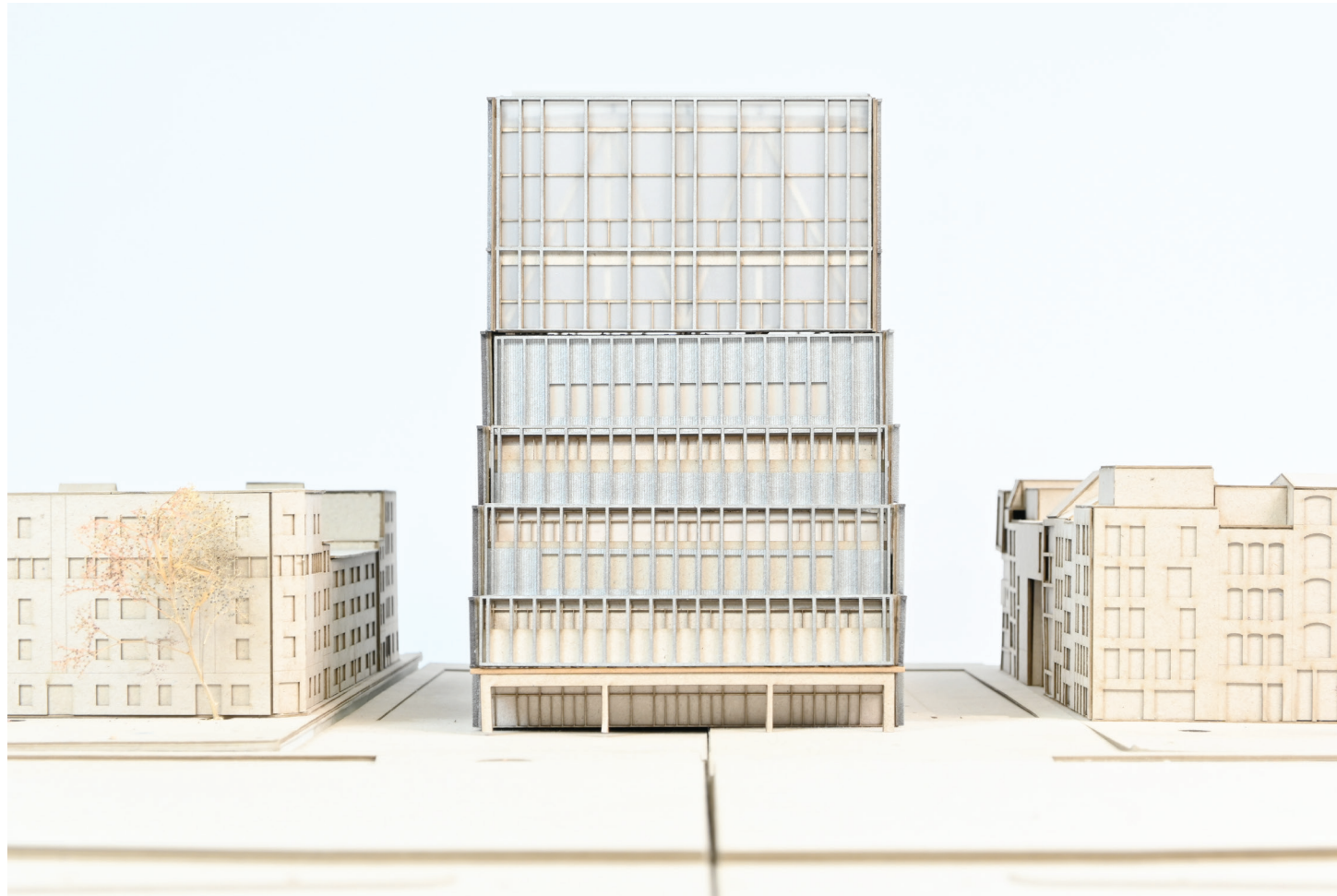
directed openings on lower floors to connect city to building.  
Full translucent shell on top floor to provide city views.











view from the park 1.200 model



view from the park 1.200 model

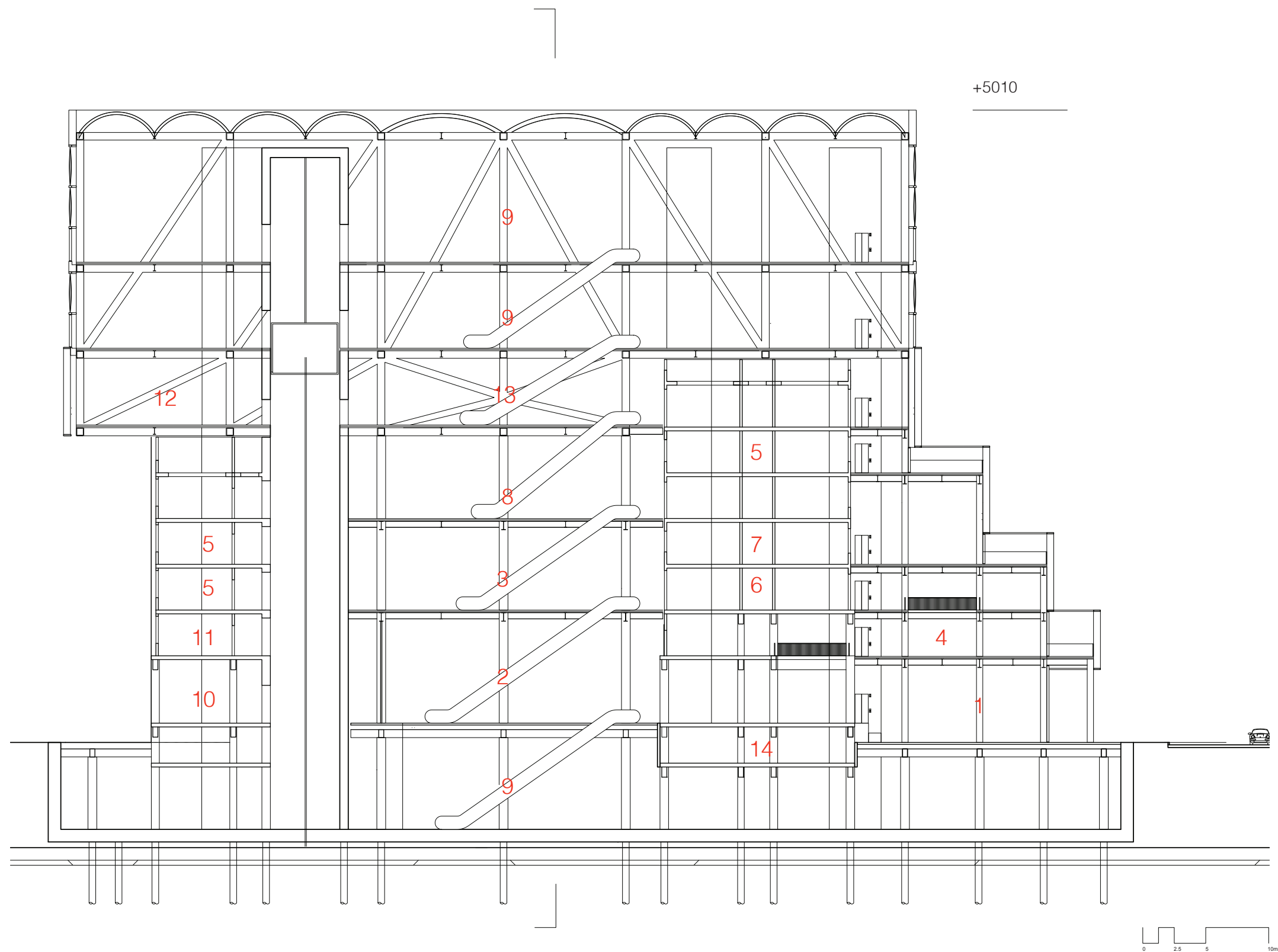




view from the park 1.200 model



view from the street 1.200 model



1. forum entrance area  
 2. forum exhibit space mediate's with street (free)  
 3. forum auditorium

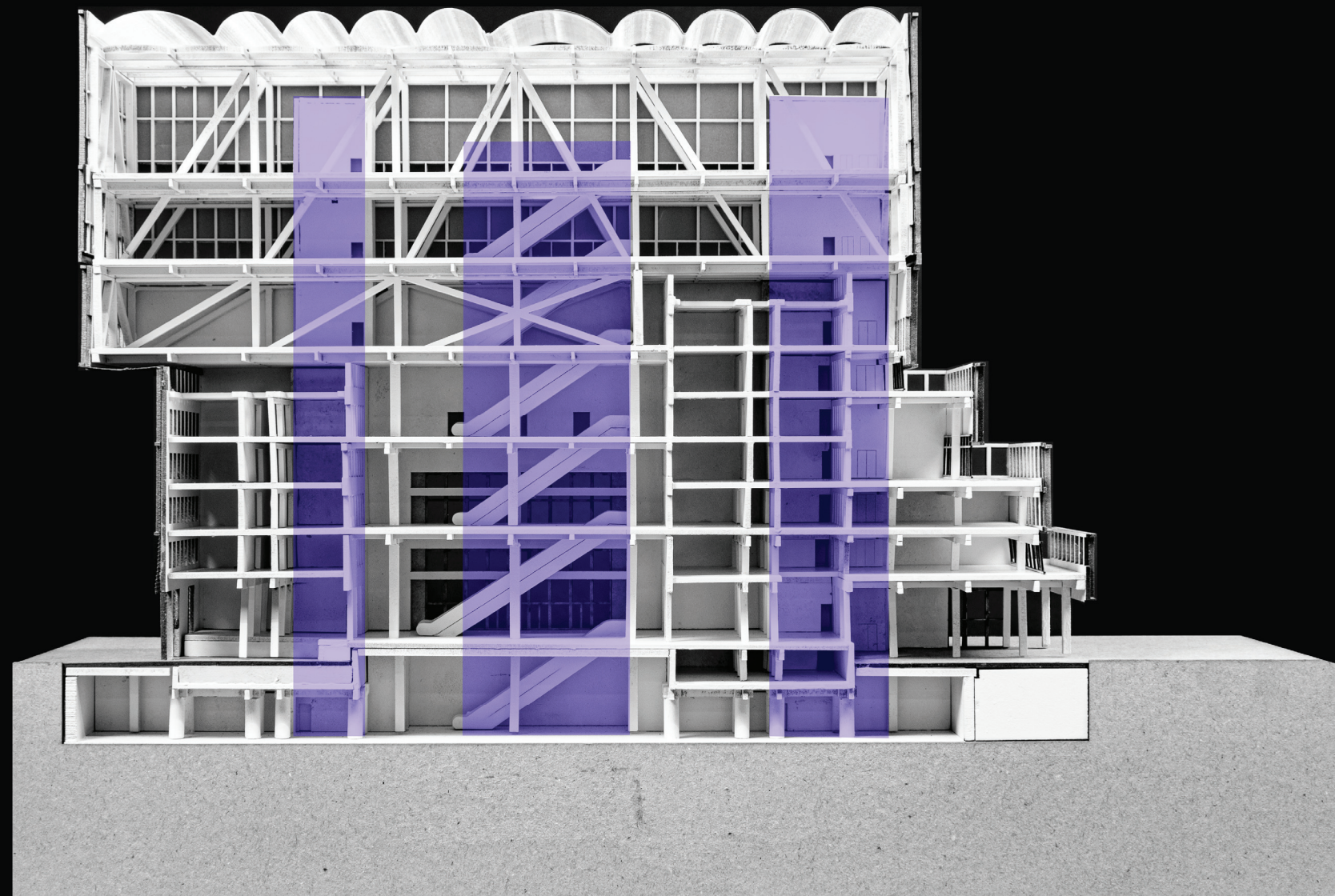
5. back-office  
 6. archival room  
 7. documentation

9. exhibit spaces paid admission  
 10. art handling loading dock  
 11. transshipment space

13. exhibit spaces free admission  
 14. technical space



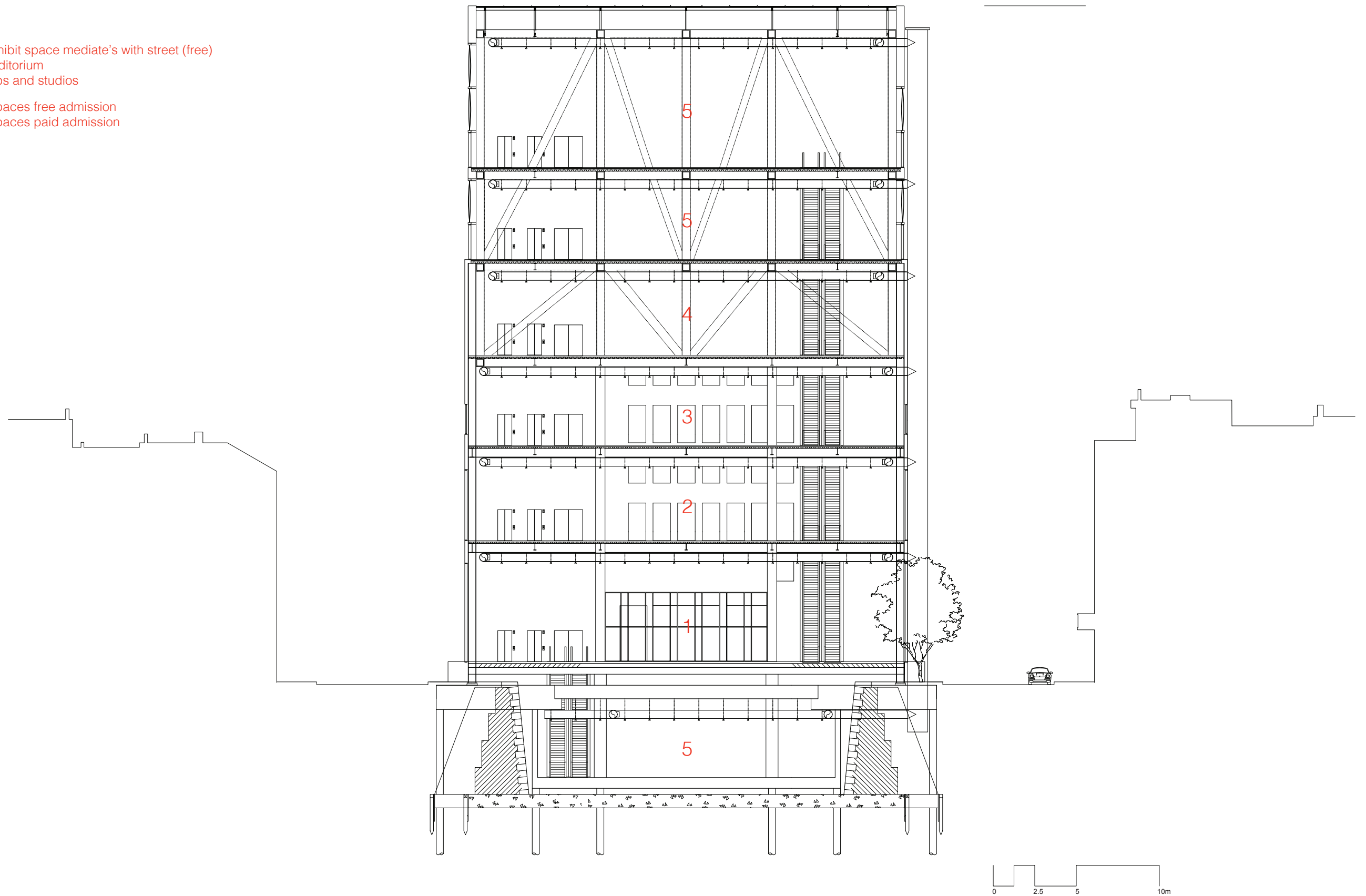


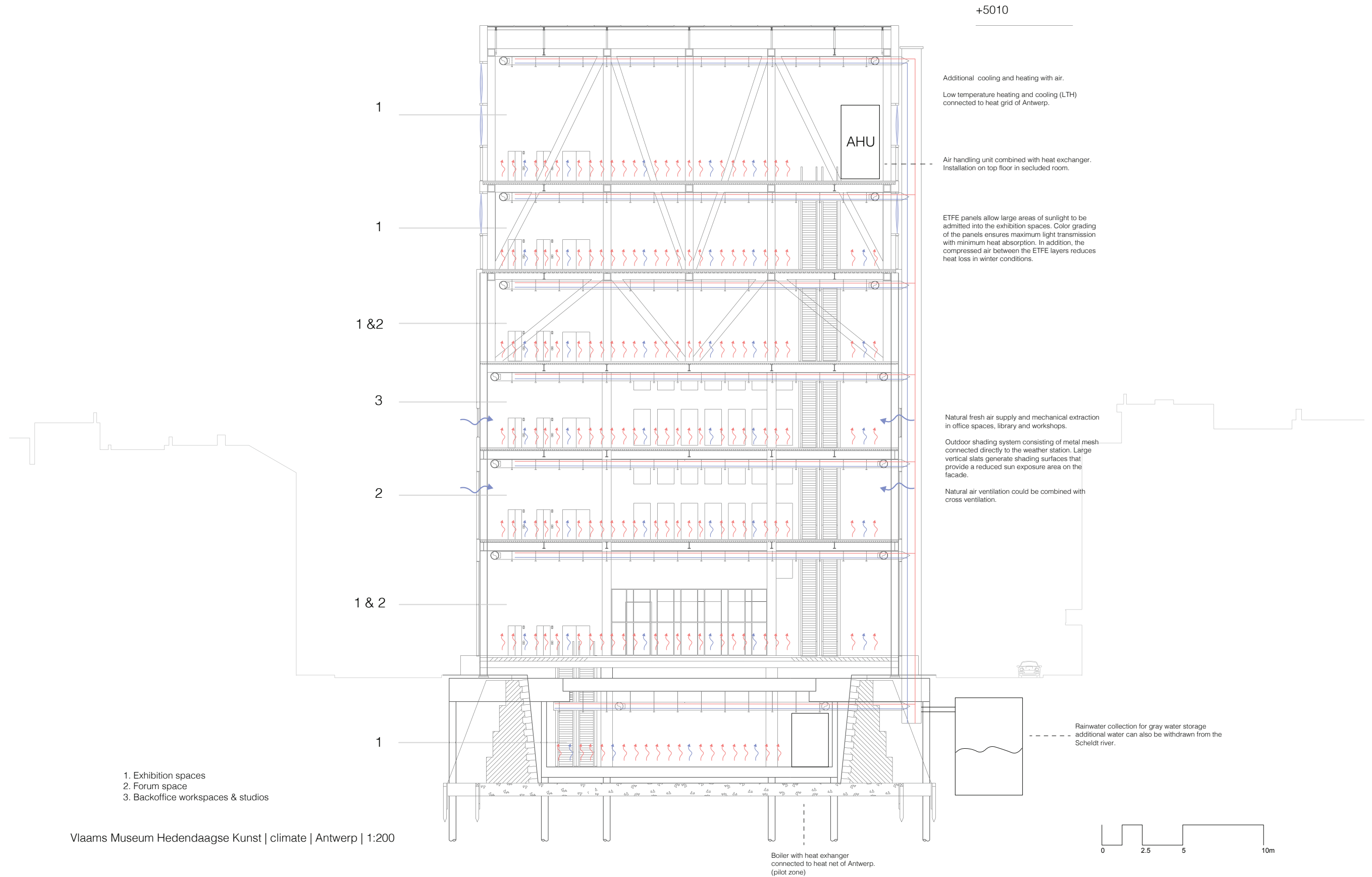




+5010

- 1. forum exhibit space mediate's with street (free)
- 2. forum auditorium
- 3. workshops and studios
- 4. exhibit spaces free admission
- 5. exhibit spaces paid admission

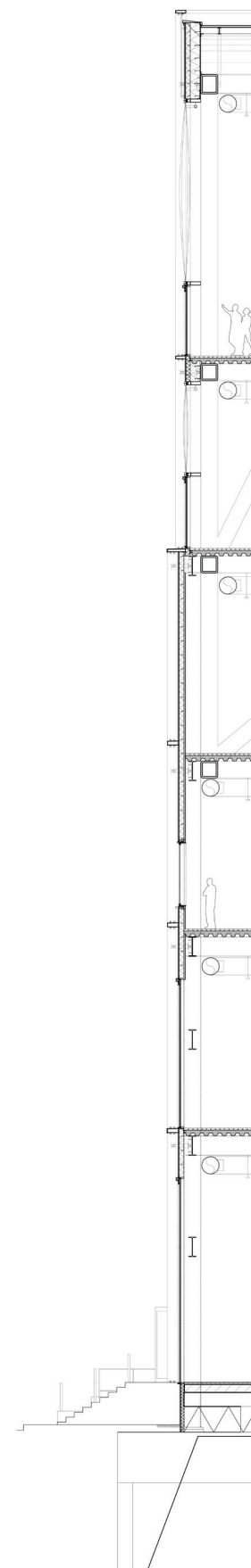
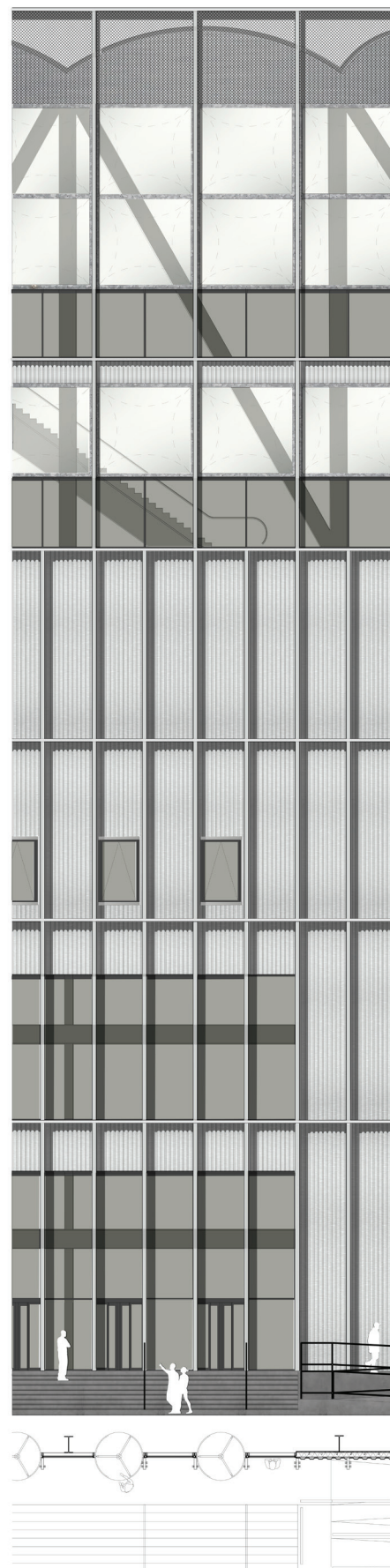


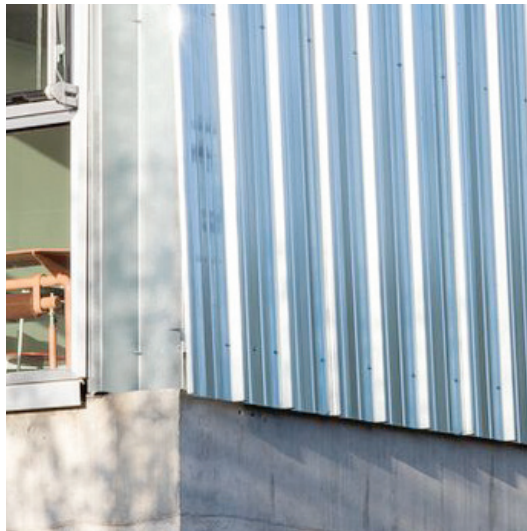






- ⊗ + 50489 \_\_\_\_\_
- ⊗ + 49169 \_\_\_\_\_
  
- ⊗ + 37922 \_\_\_\_\_
  
- ⊗ + 31091 \_\_\_\_\_
  
- ⊗ + 17566 \_\_\_\_\_
  
- ⊗ + 10491 \_\_\_\_\_
  
- ⊗ + 1457 \_\_\_\_\_
- ⊗ + 0 \_\_\_\_\_





Bruther - Maison Julie-Victoire Daubié - Cité Universitaire de Paris

Galvanized corrugated steel sheets



Bruther - New generation research centre - Caen France

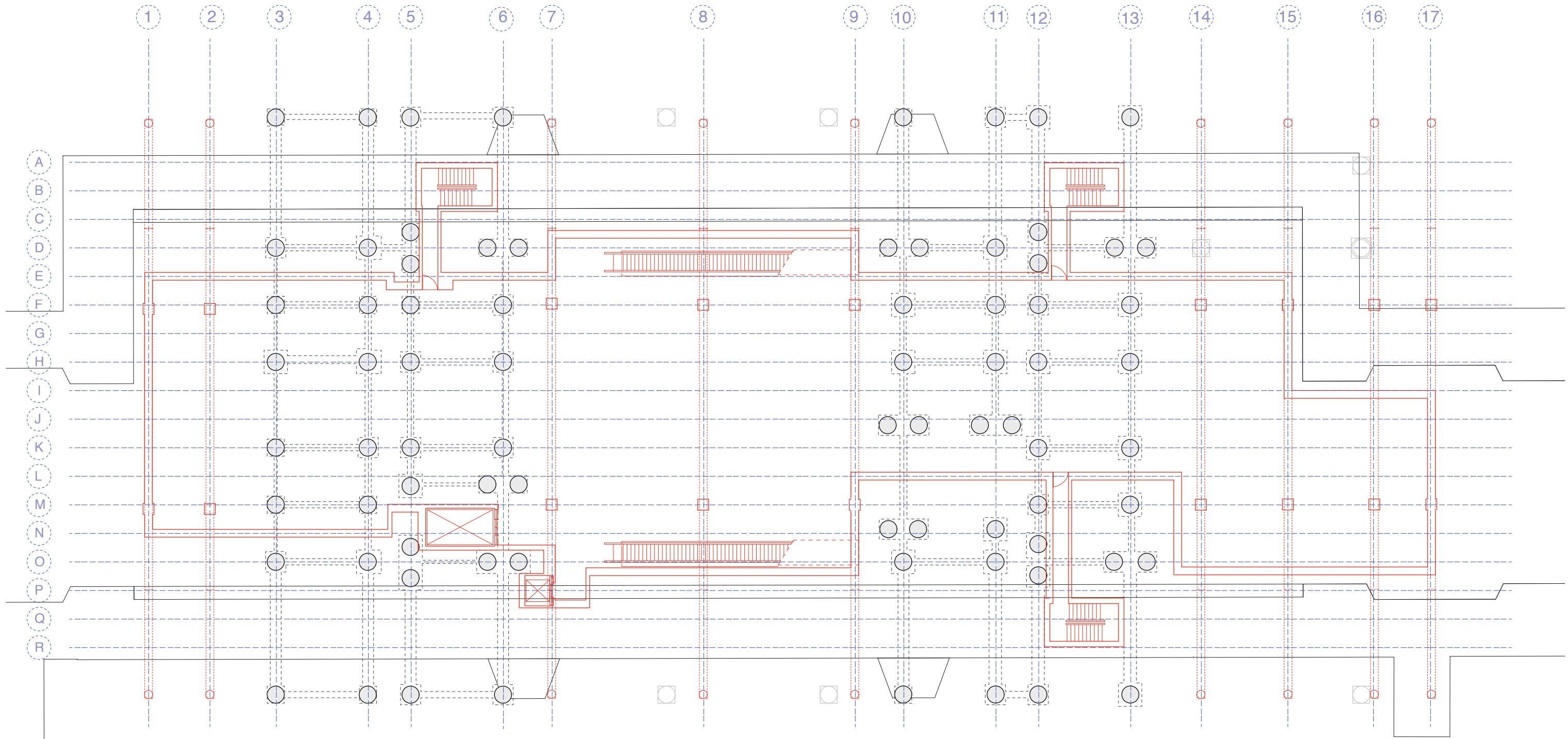
curtain wall in combination with large ETFE surface



Babin+Renaud - social housing, aluminium tip - Paris France

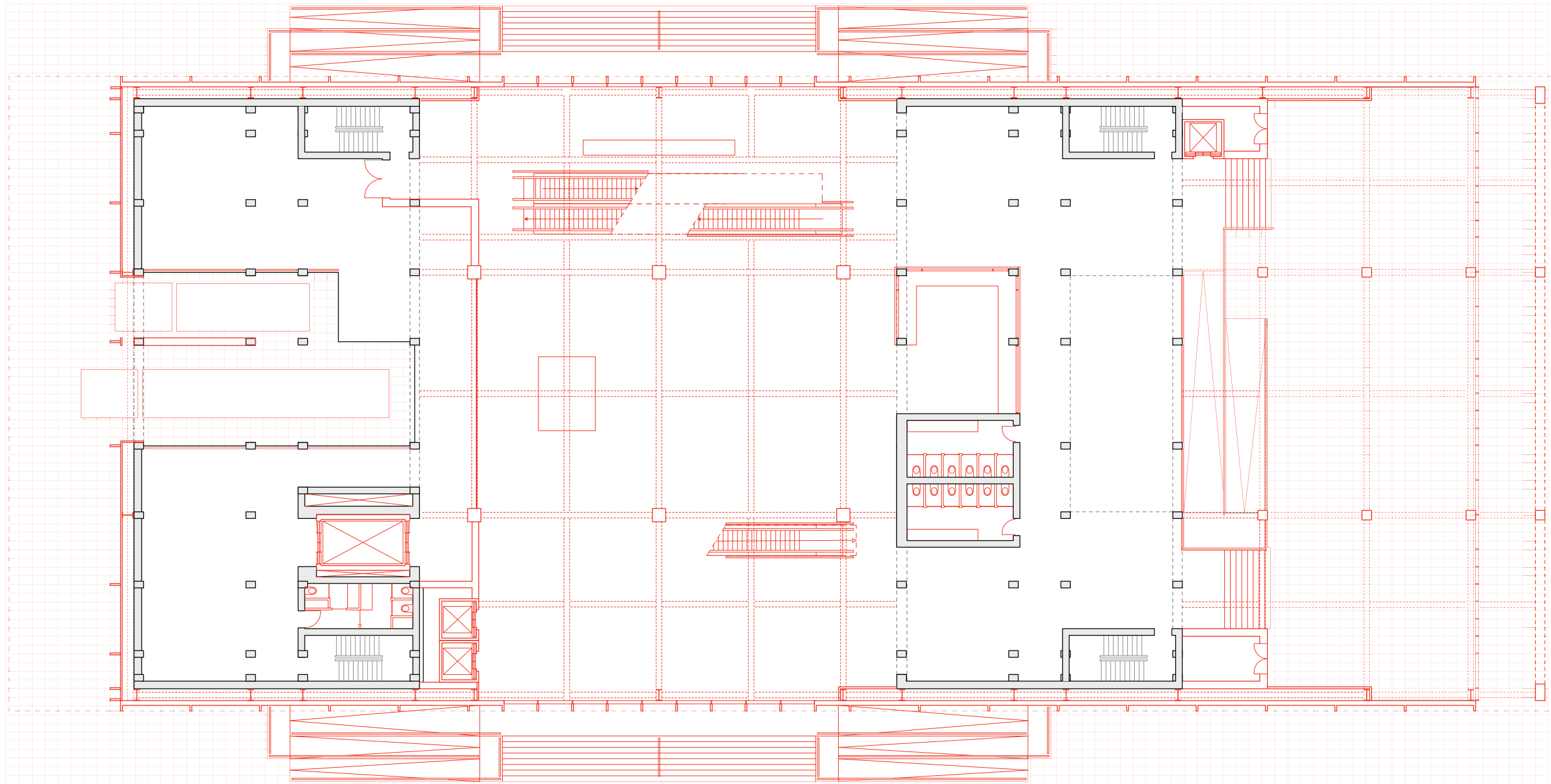
Aluminium horizontal and vertical slats (louvers)

main exhibition space





forum, shop & back-office







[Fig] Interior view of forum and entrance, ground floor.

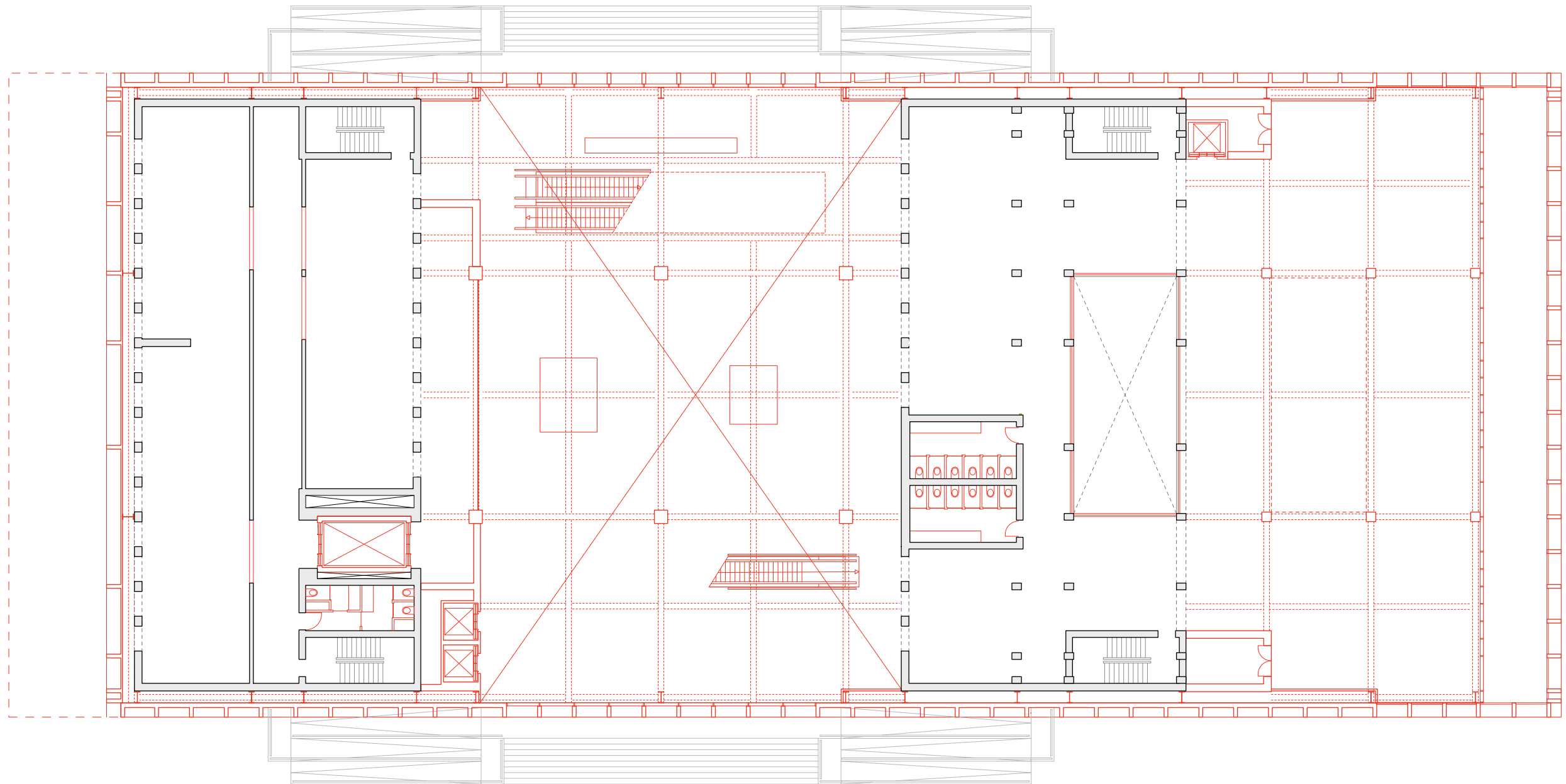




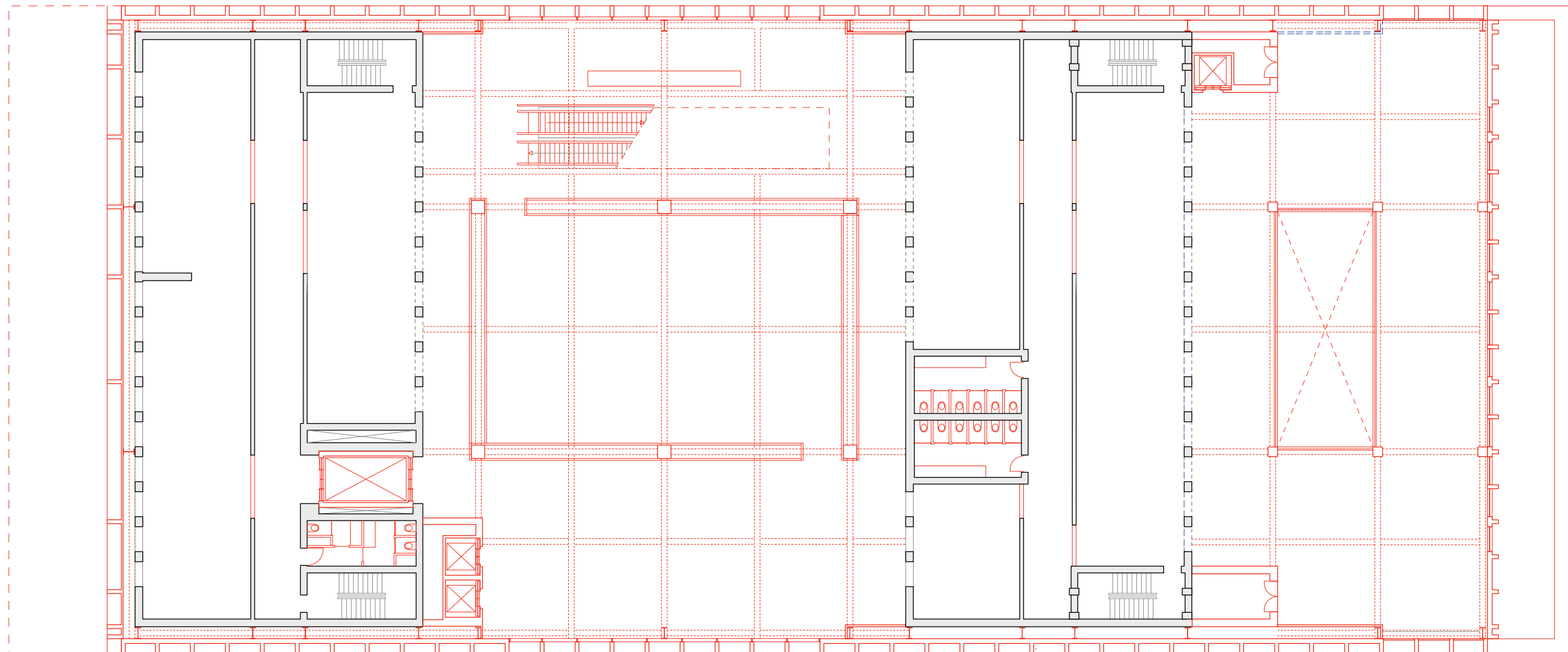
[Fig] Interior view of forum and exhibition space, ground floor.



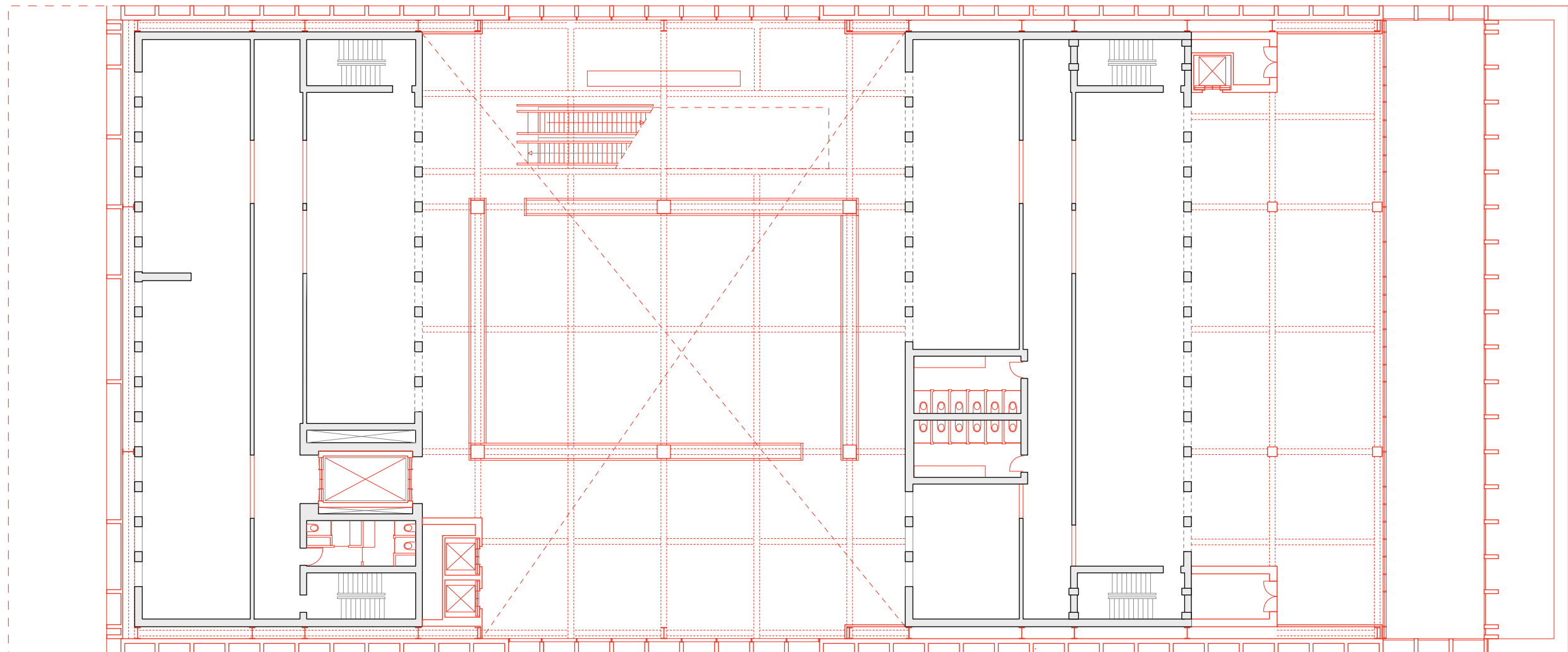
library & backoffice



auditorium, office & library

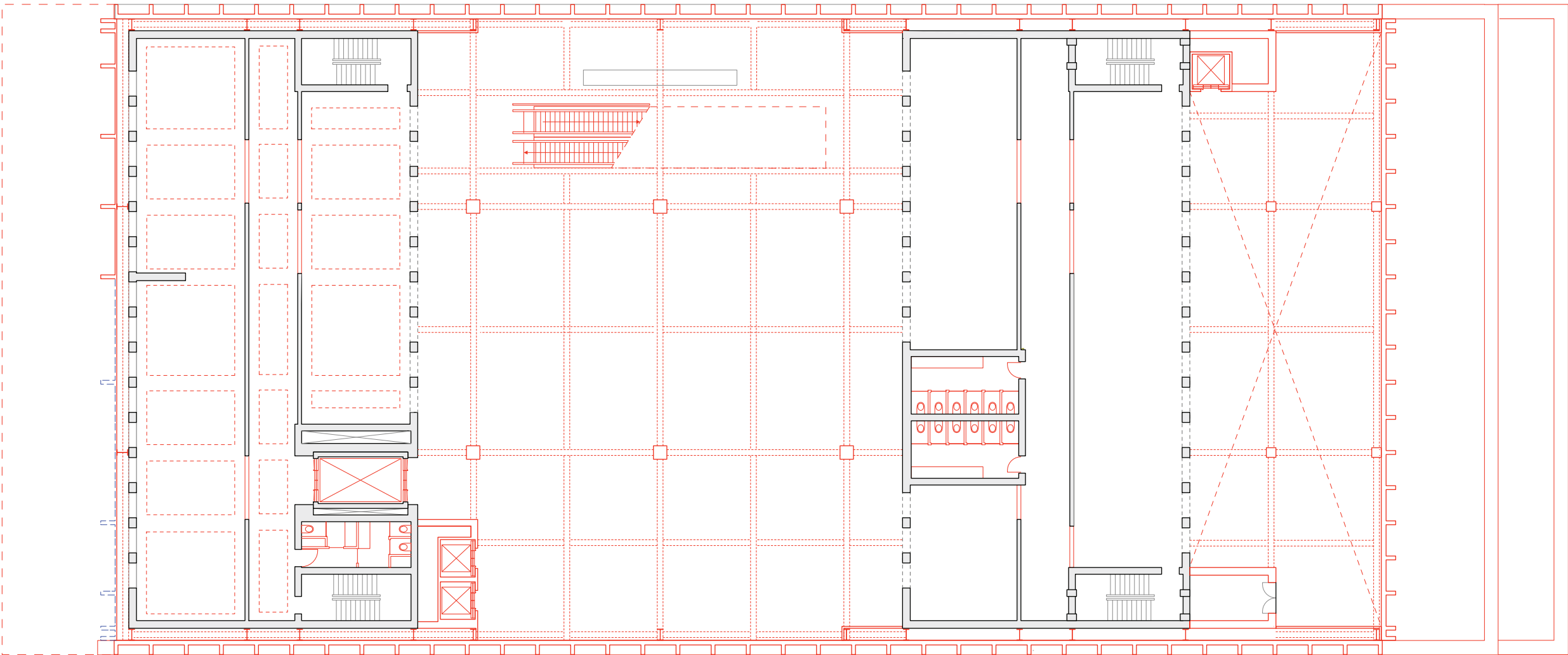


library & backoffice

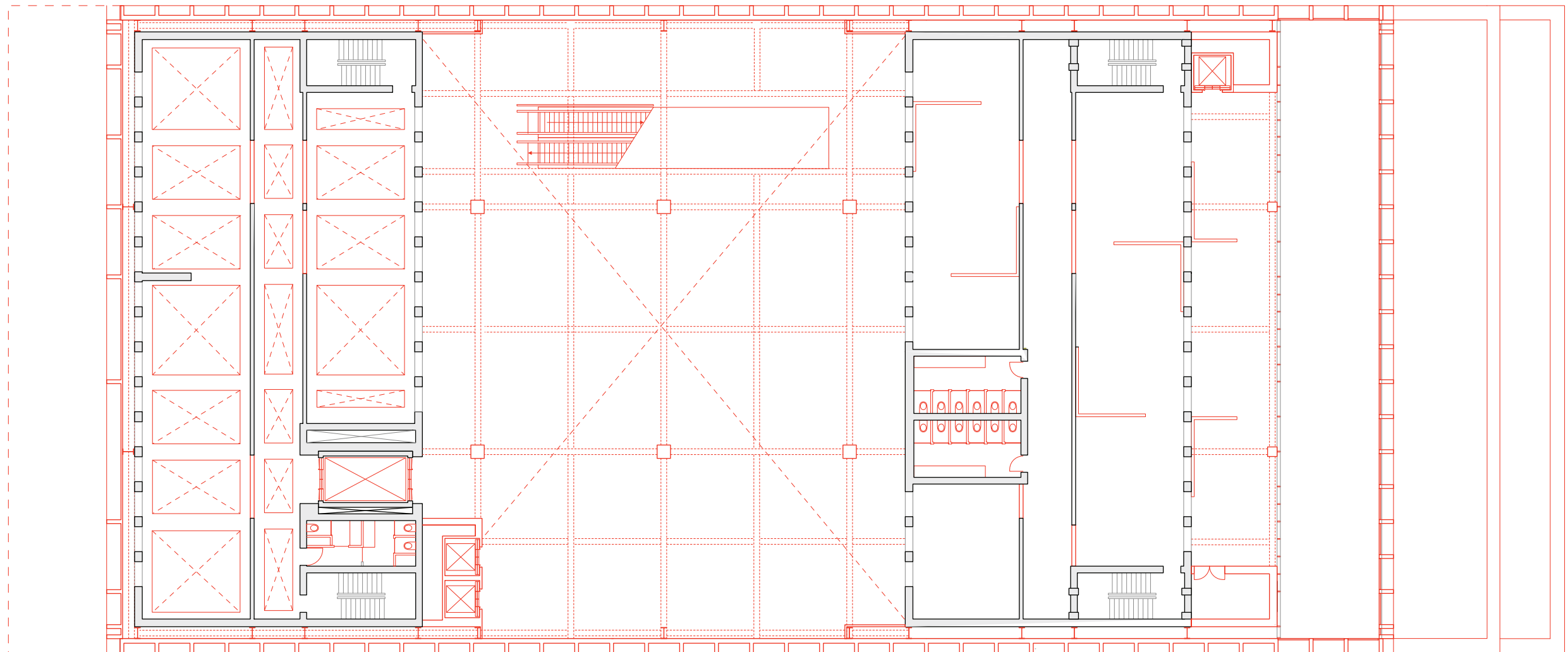




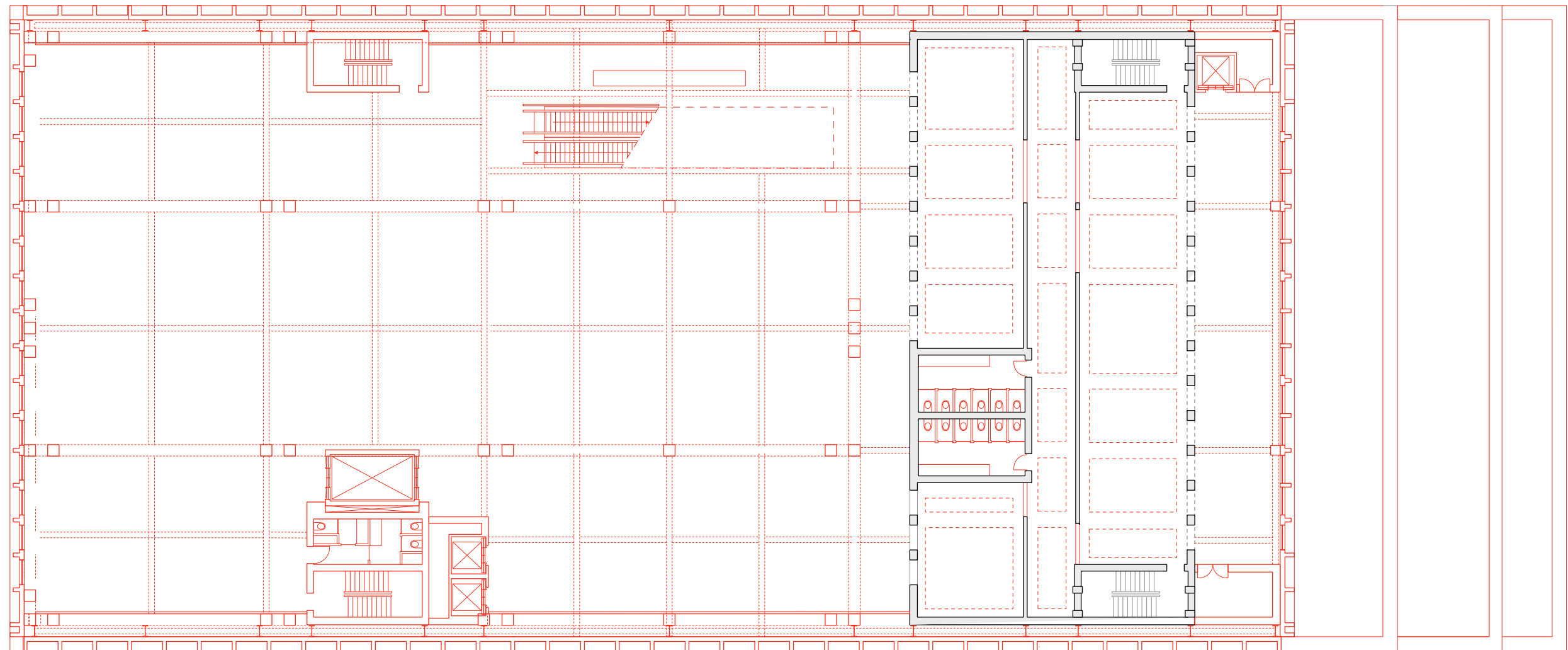
offices & work ateliers



archive & material stations



exhibition & restaurant







[Fig] Interior view of exhibition space sixth floor.





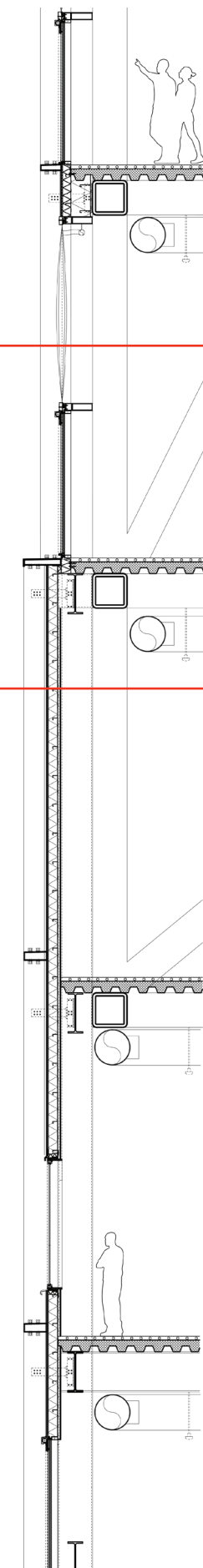
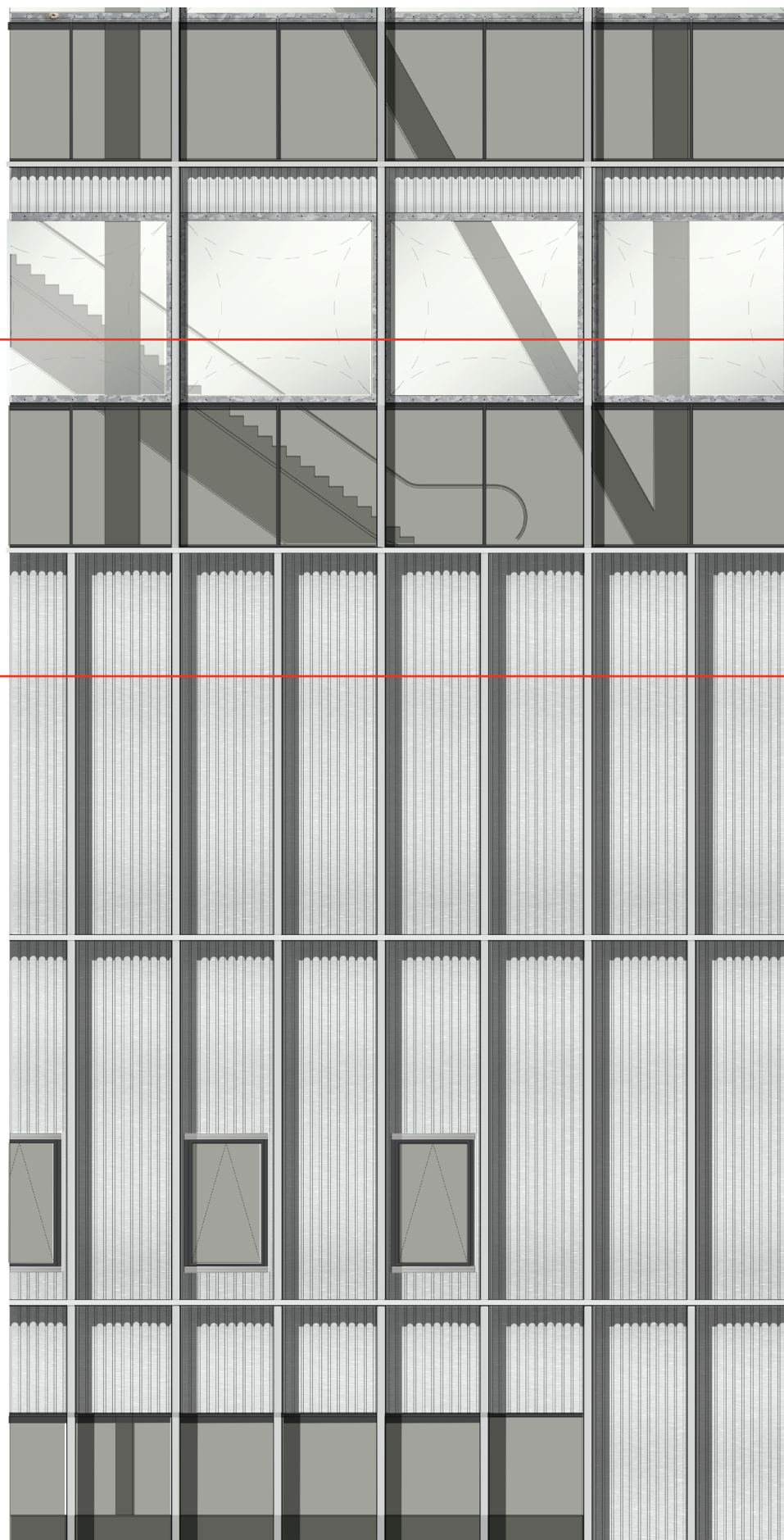
+ 37922



+ 31091

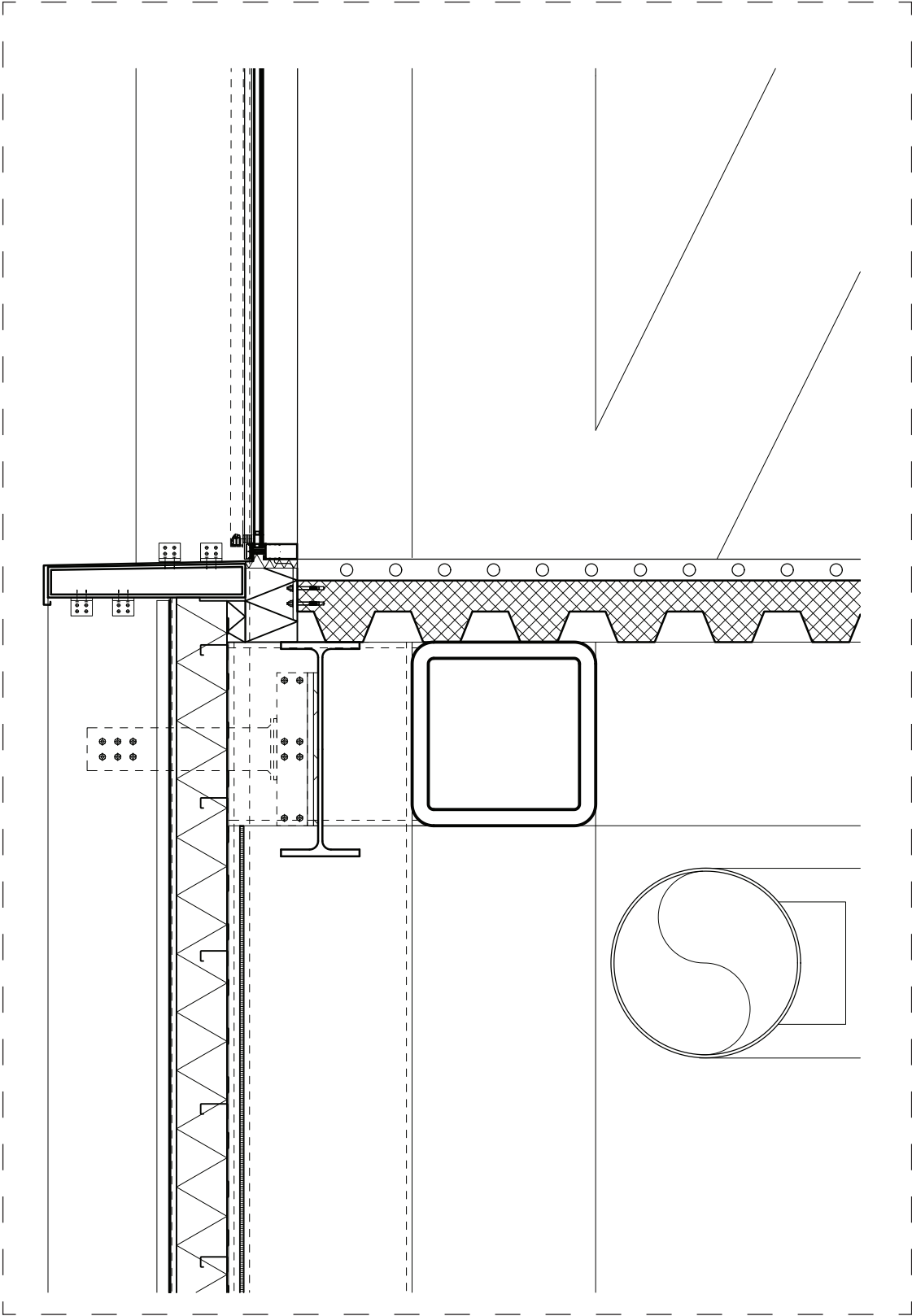


+ 17566



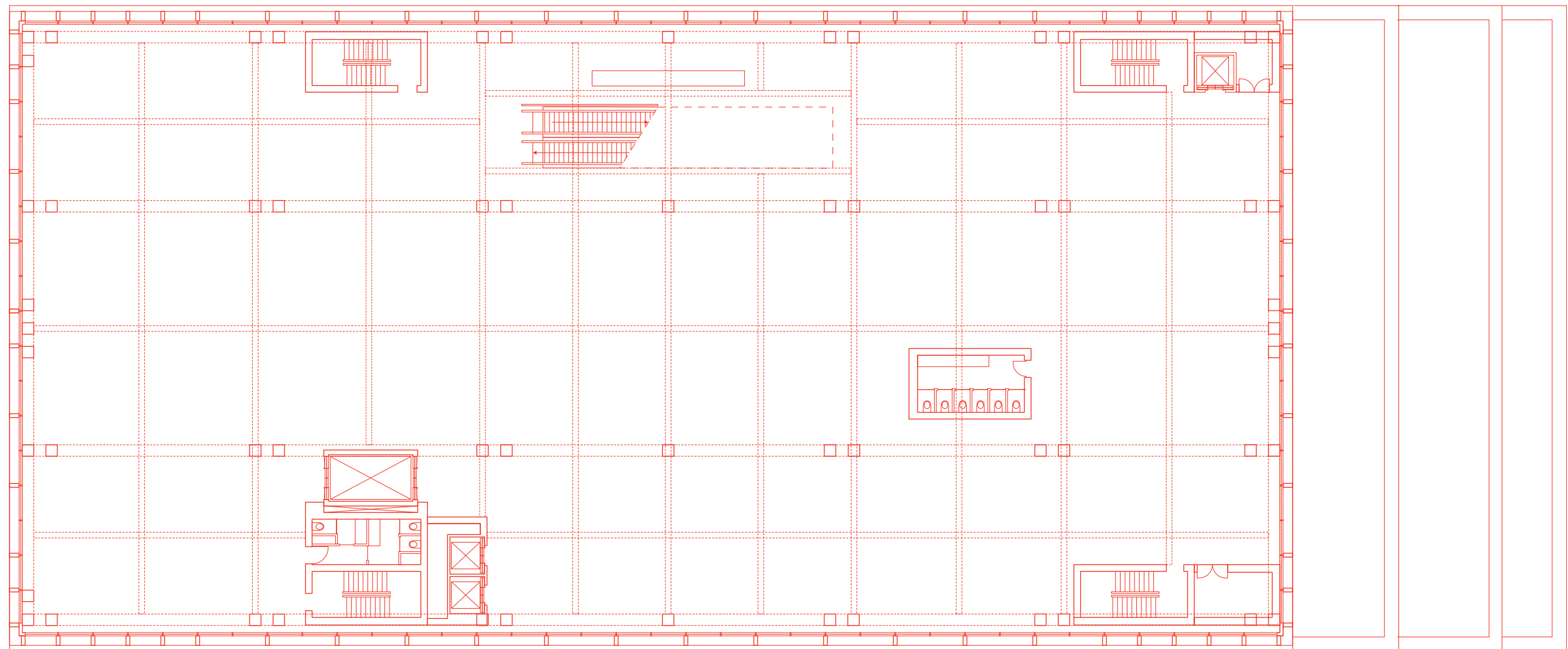
Facade.

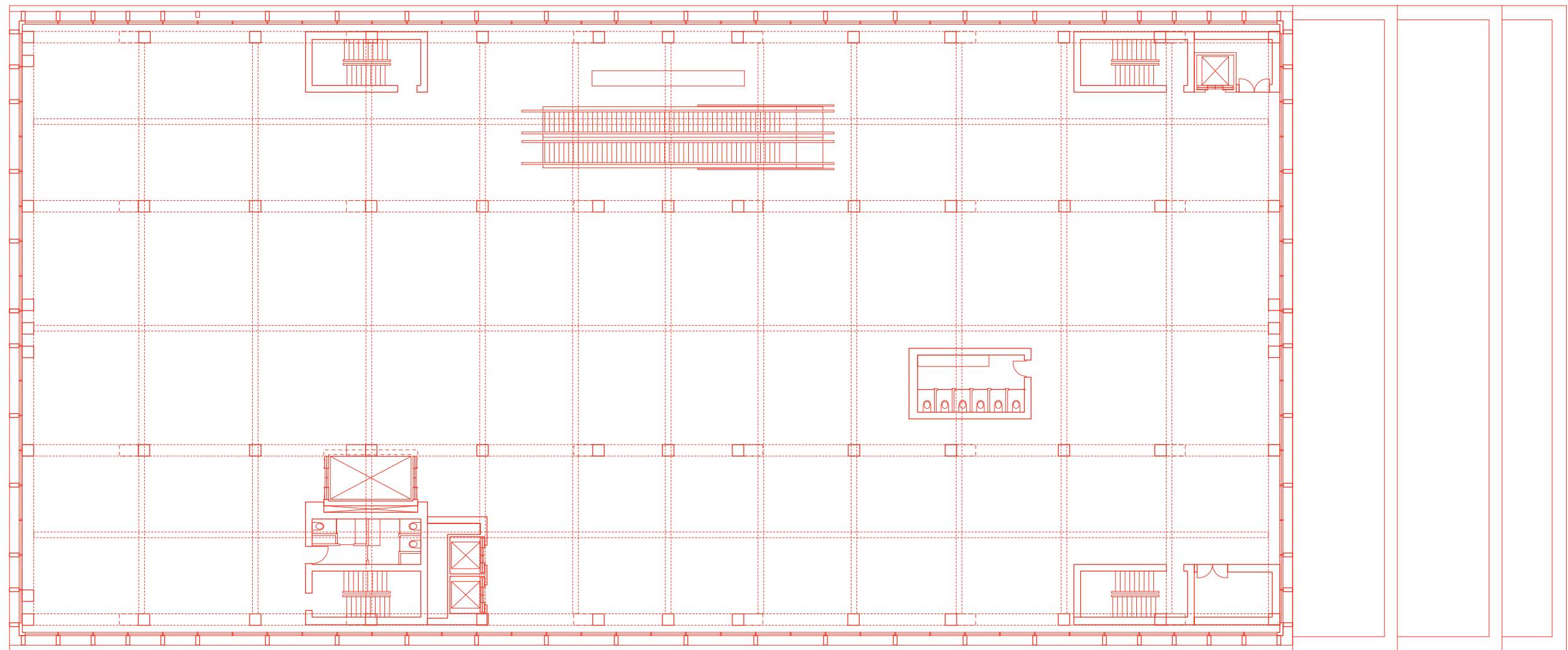
- 1 Vertical aluminium slats.
- 2. Exterior cladding galvanized and coated aluminium
- 3. External sunshading
- 4. Curtain wall windows
- 5. IPE column 600 mm
- 6. Hollow square clolumn 600mm
- 7. Steel concrete floor with underfloor heating (and cooling)

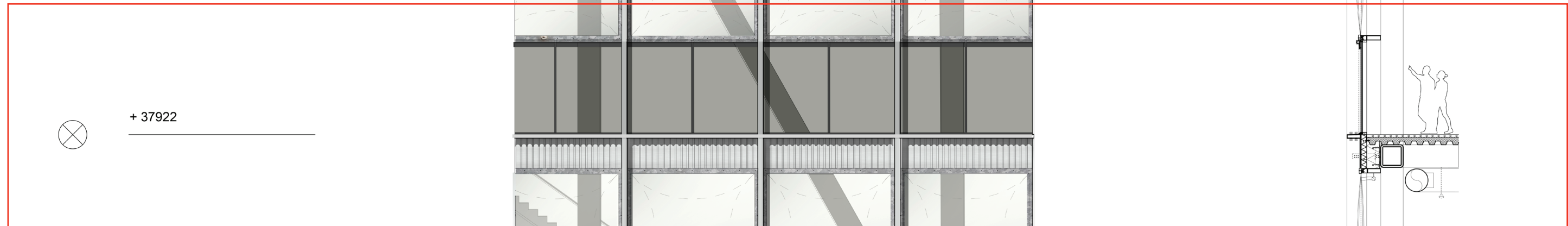


6th floor detail 1.10





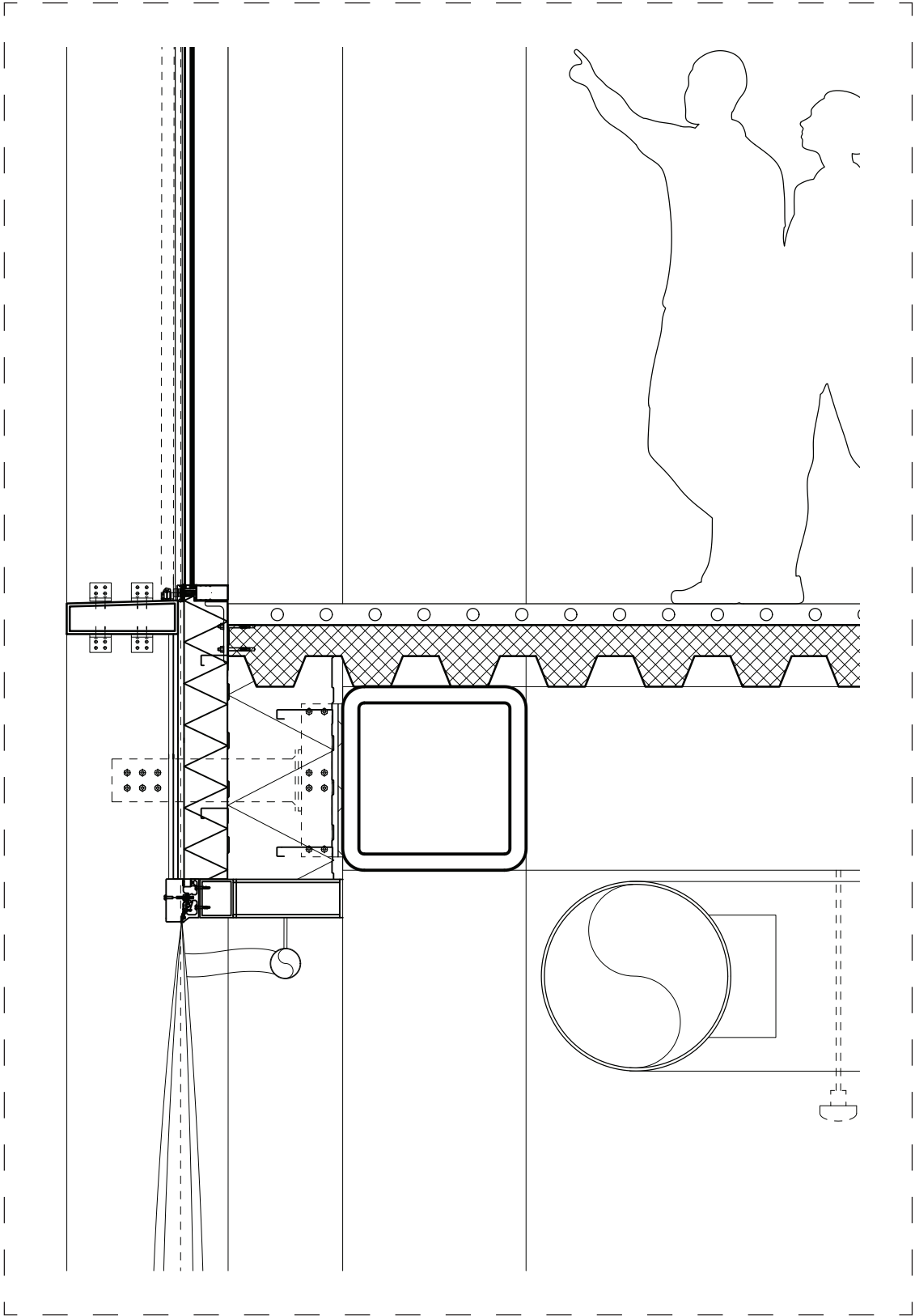






Facade.

- 1 Vertical aluminium slats.
- 2. Exterior cladding galvanized and coated aluminium
- 3. External sunshading
- 4. ETFE profile connected to main steel structure
- 5. Steel concrete floor with underfloor heating (and cooling)



7th floor detail 1.10



+ 50489



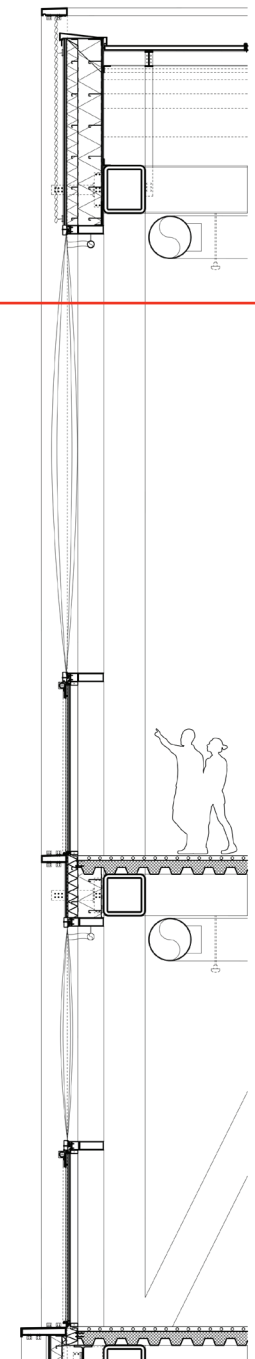
+ 49169



+ 37922



+ 31091

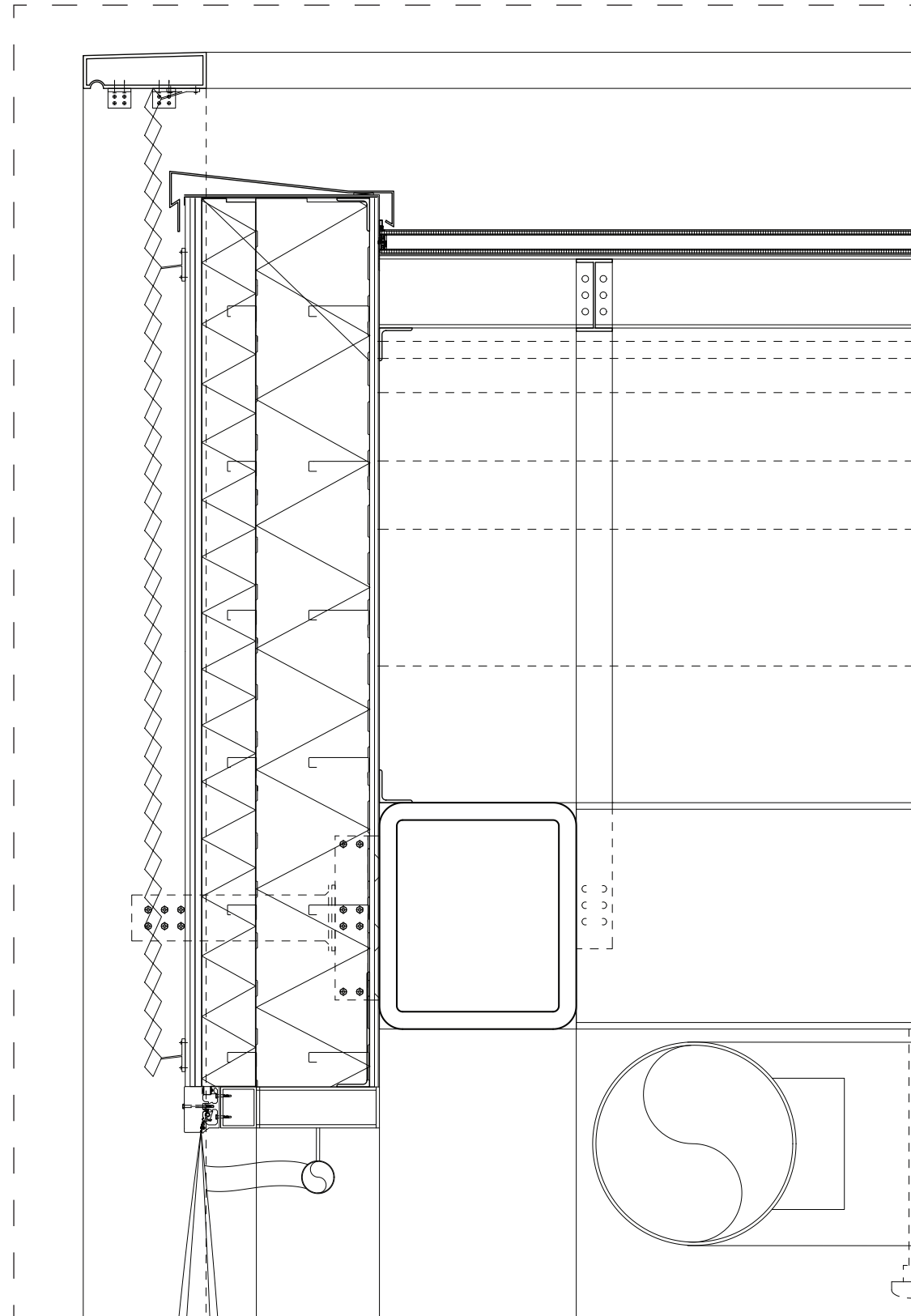


#### Roof

1. polycarbonate thermal insulated panels 75mm
2. steel arched IPE beams 220mm

#### Facade.

- 1 Vertical aluminium slat
2. Metal mesh
3. Exterior cladding galvanized and coated aluminium
4. Omega profile mineral wool 165mm & 325mm inner box
5. fixing with spacer
6. Hollow square column 600mm



Roof detail 1.10





[Fig] Exterior view of facade from the quayside side of the Schelde

thank you !



extra set of images



[Fig] Image models 1.200, Existing Court of appeal, Exterior & section





[Fig] Image models 1.200, Existing Court of appeal, Exterior & section





[Fig] Image exterior model 1.200





[Fig] Image exterior model 1.200



