



Weaving Grounds

I. Assessment of the situation (8’)

- a. the needs of the VAI
- b. the vision of Stynen
- c. the current reality

II. The Archive, and the public (5’)

- a. Case Study: Bordeaux City Archive
- b. A room for an archive

III. A proposal: Weaving Grounds (15’)

- I. Assessment of the situation (8’)
- a. the needs of the VAI
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- I. Assessment of the situation (8’)
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Postcard of Sint Hubertuskerk. n.d



Current archive building of the VAI



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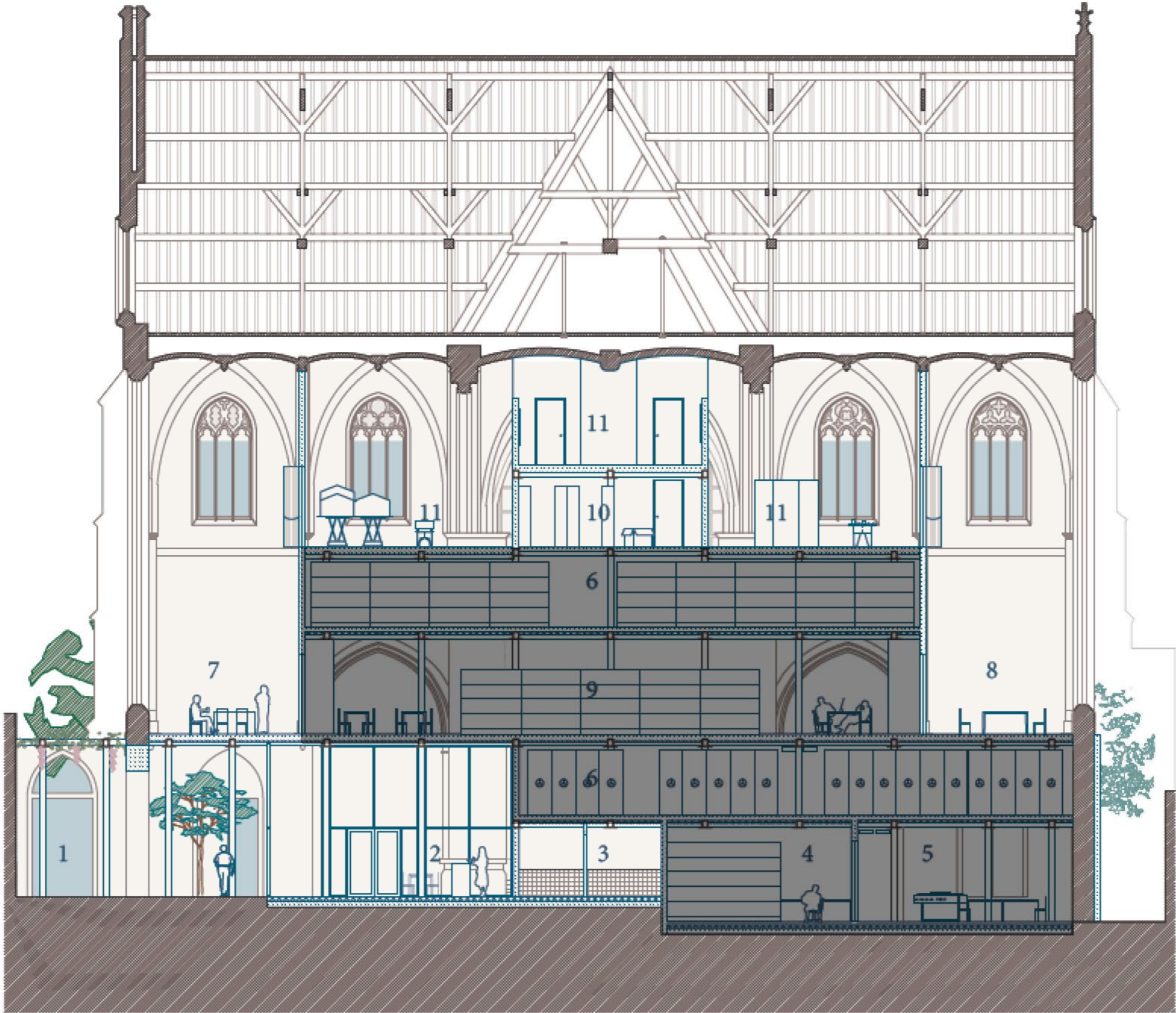
Interiors, Buildings, Cities - P5

«Unfolding the Archives» : an exhibitions program in deSingel, by the VAI

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Interiors, Buildings, Cities - P5

- public routing
- archive/depot



The proposal by De Smet Vermeulen



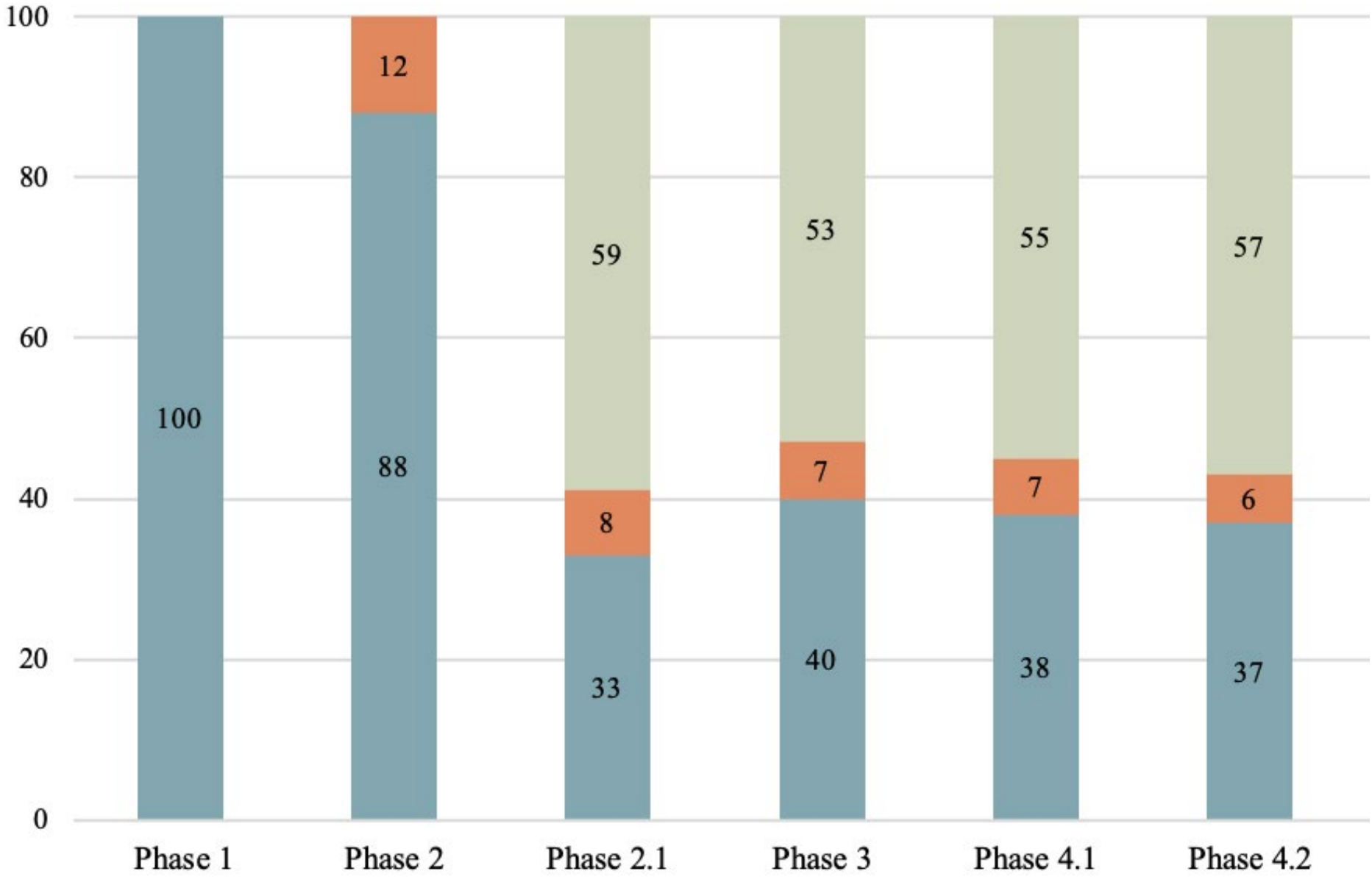
Map of Antwerp with deSingel, the current VAI Archief and Sint Hubertuskerk highlighted

Romain Touron

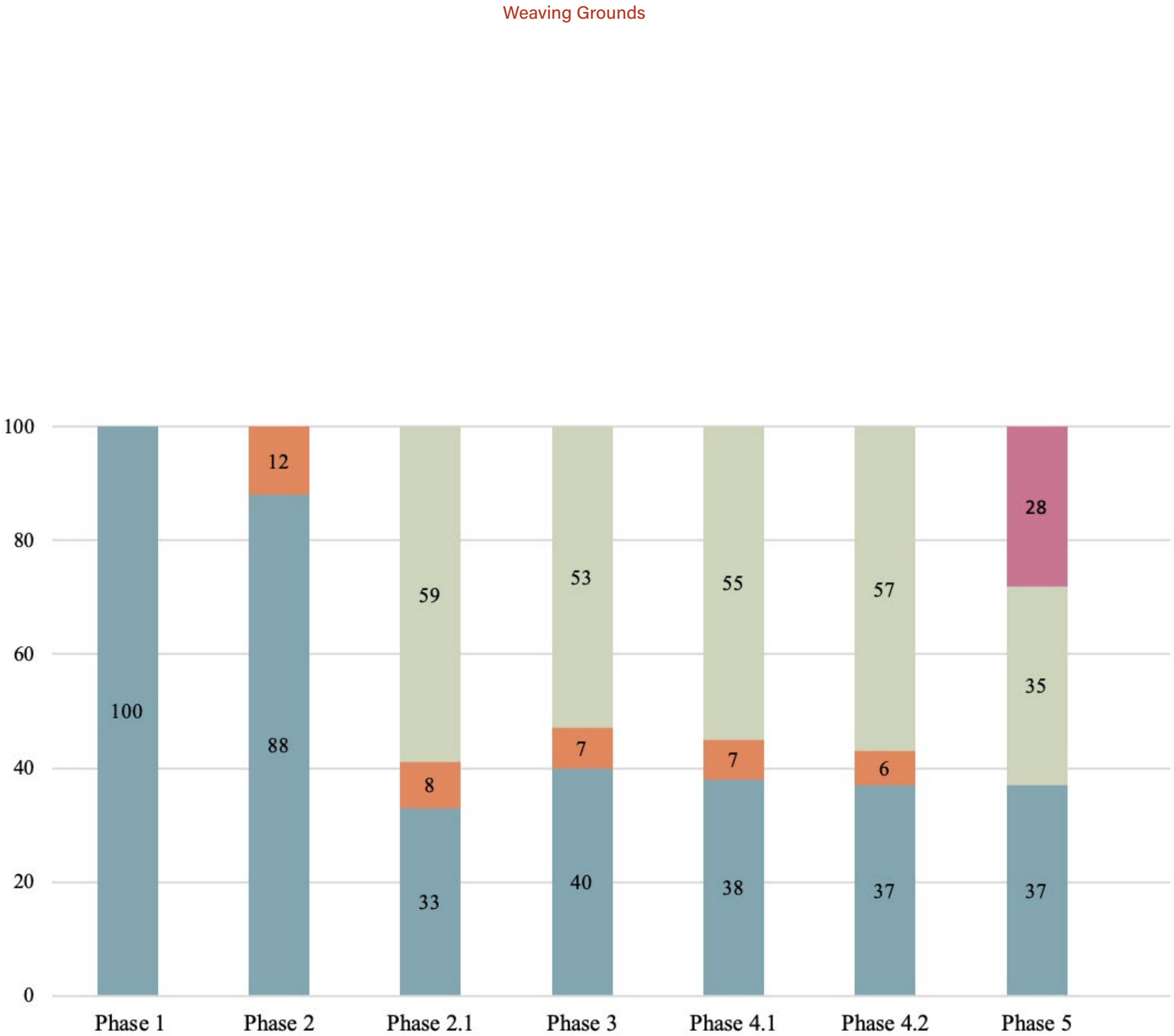
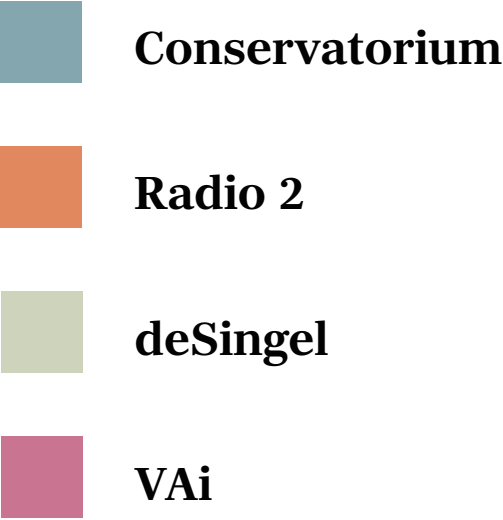


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Offices of the VAI in the recent addition by Stéphane Beel



Evolution of deSingel’s occupancy over time



Projected occupancy of deSingel

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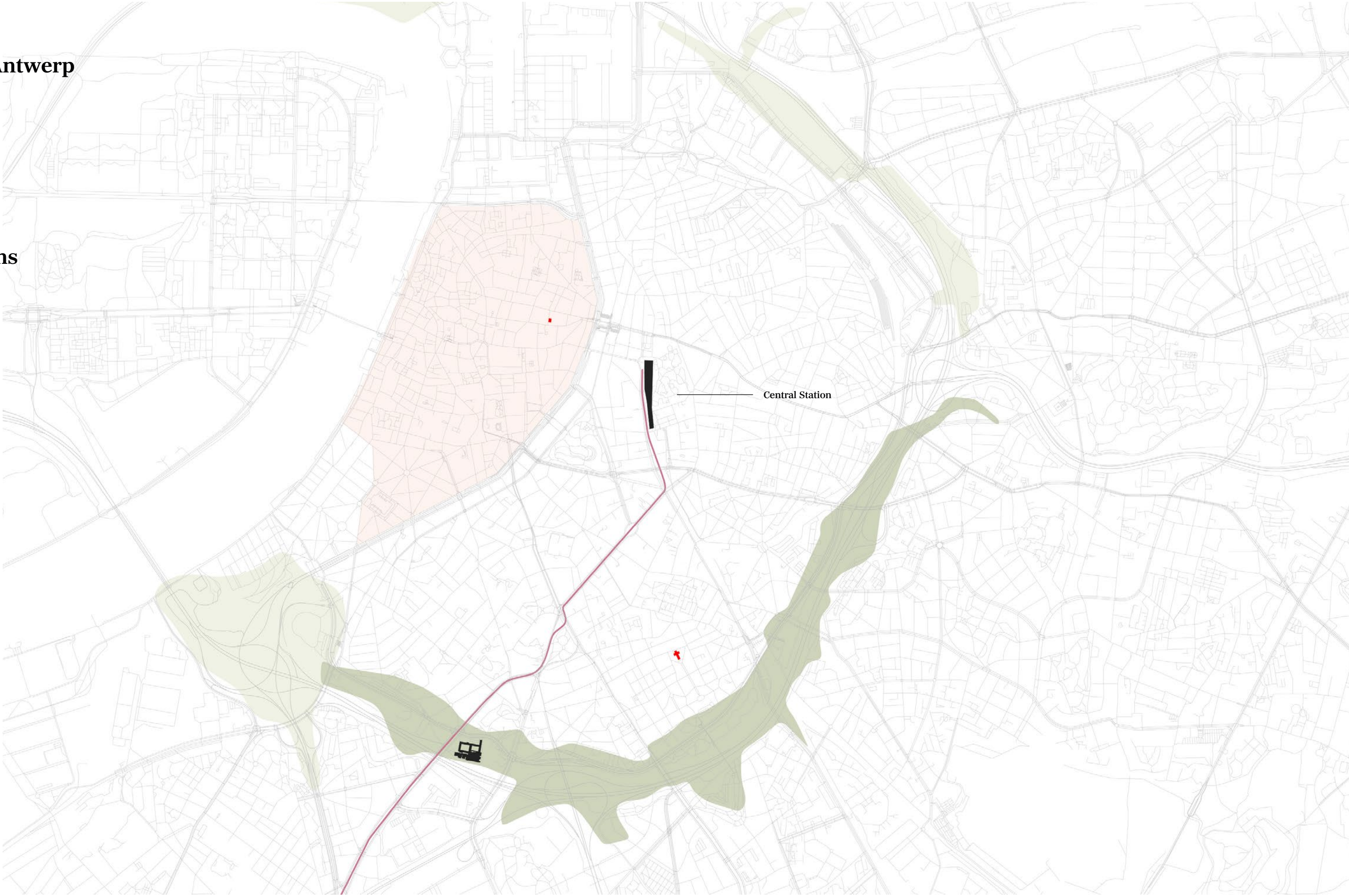


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Copy and compete with other models? : the example of the Canadian Center for Architecture

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- Touristic Center of Antwerp
- Groene Vesten
- Other interventions
- Tramway connections



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A project: De Grote Verbinding

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 - c. the current reality



Model for the development plan of Wezenberg. ca. 1962



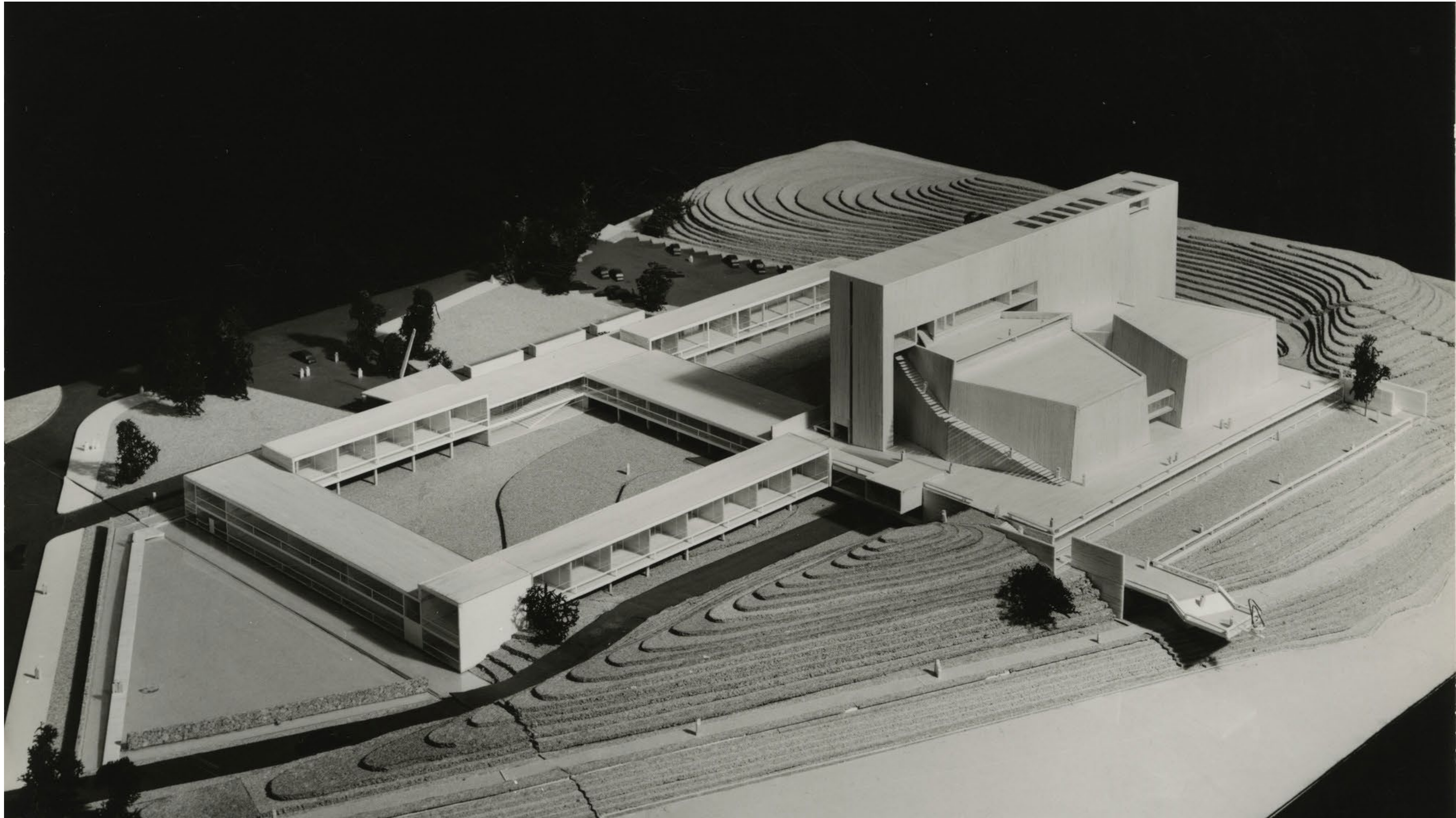
Archival concept-stage drawing of the Esso Motor Hotel and photograph of the BP Tower. n.d

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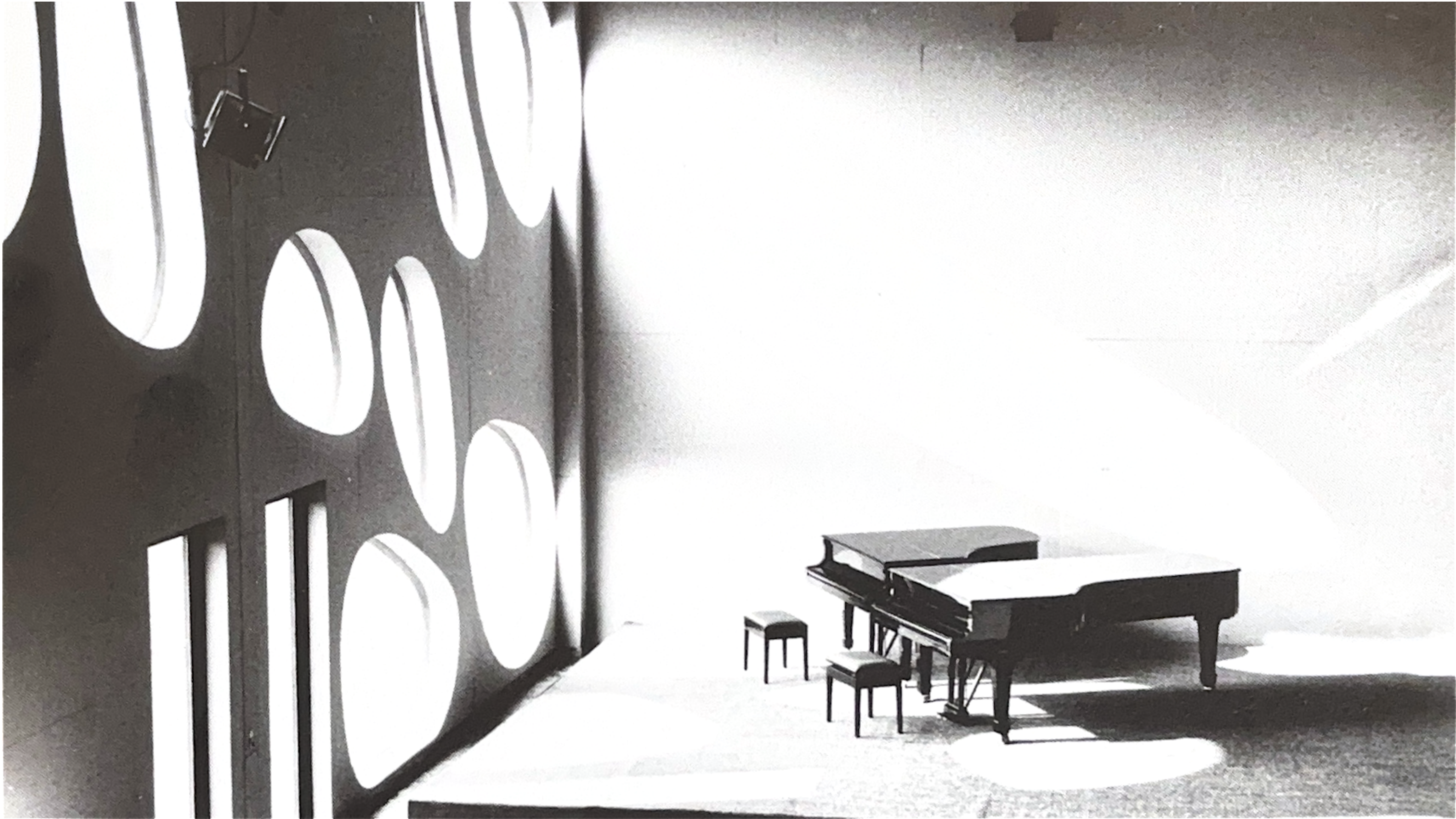


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The triptic between deSingel, the BP Tower, and the Crowne Plaza Hotel



Model DeSingel Kunstencentrum by Léon Stynen Architecten. ca. 1962.



Photograph of the entrance hall of the Conservatorium. ca. 1968.



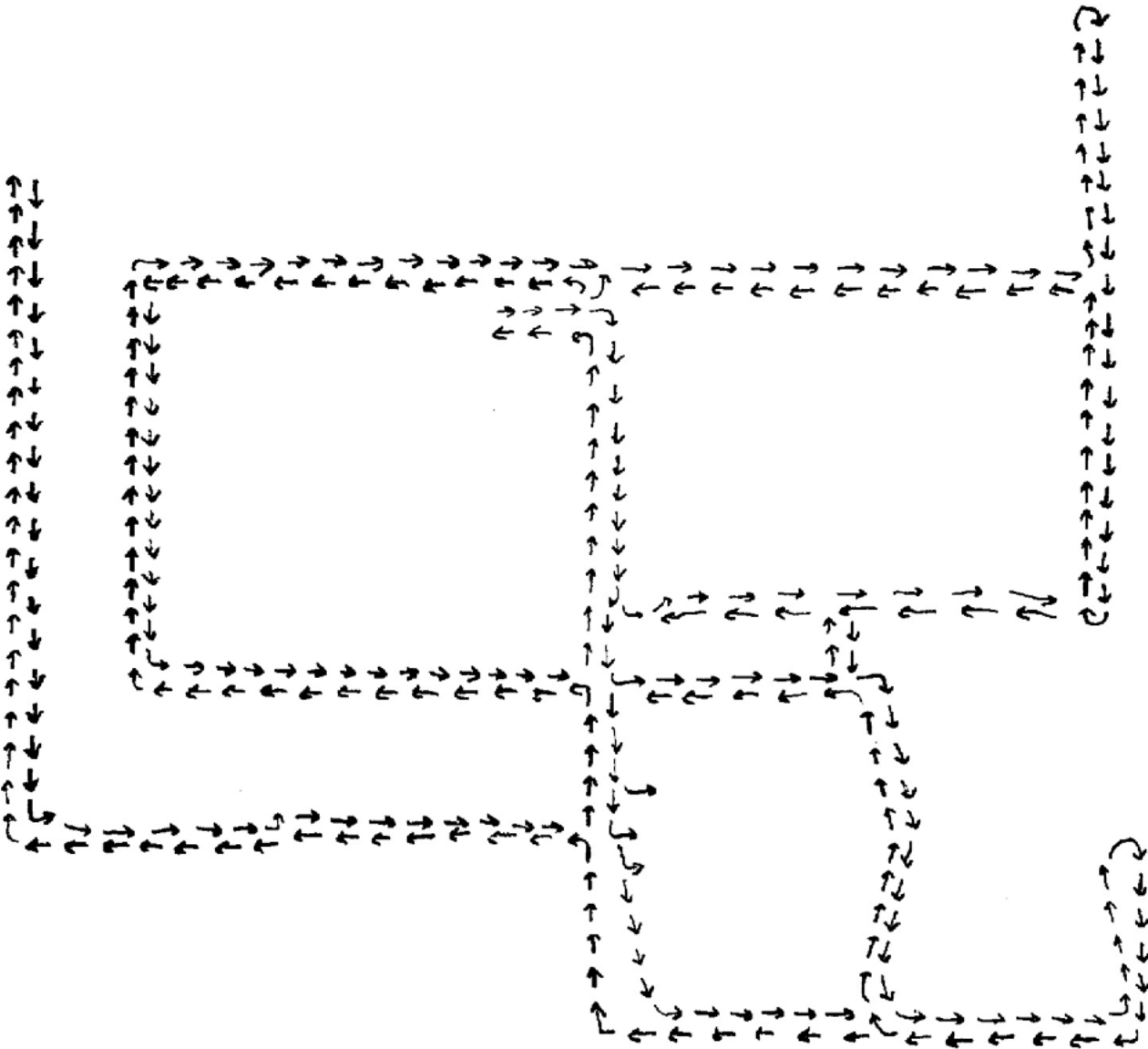
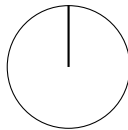
Photograph of the complex taken from the Crowne Plaza Hotel. ca. 1980.

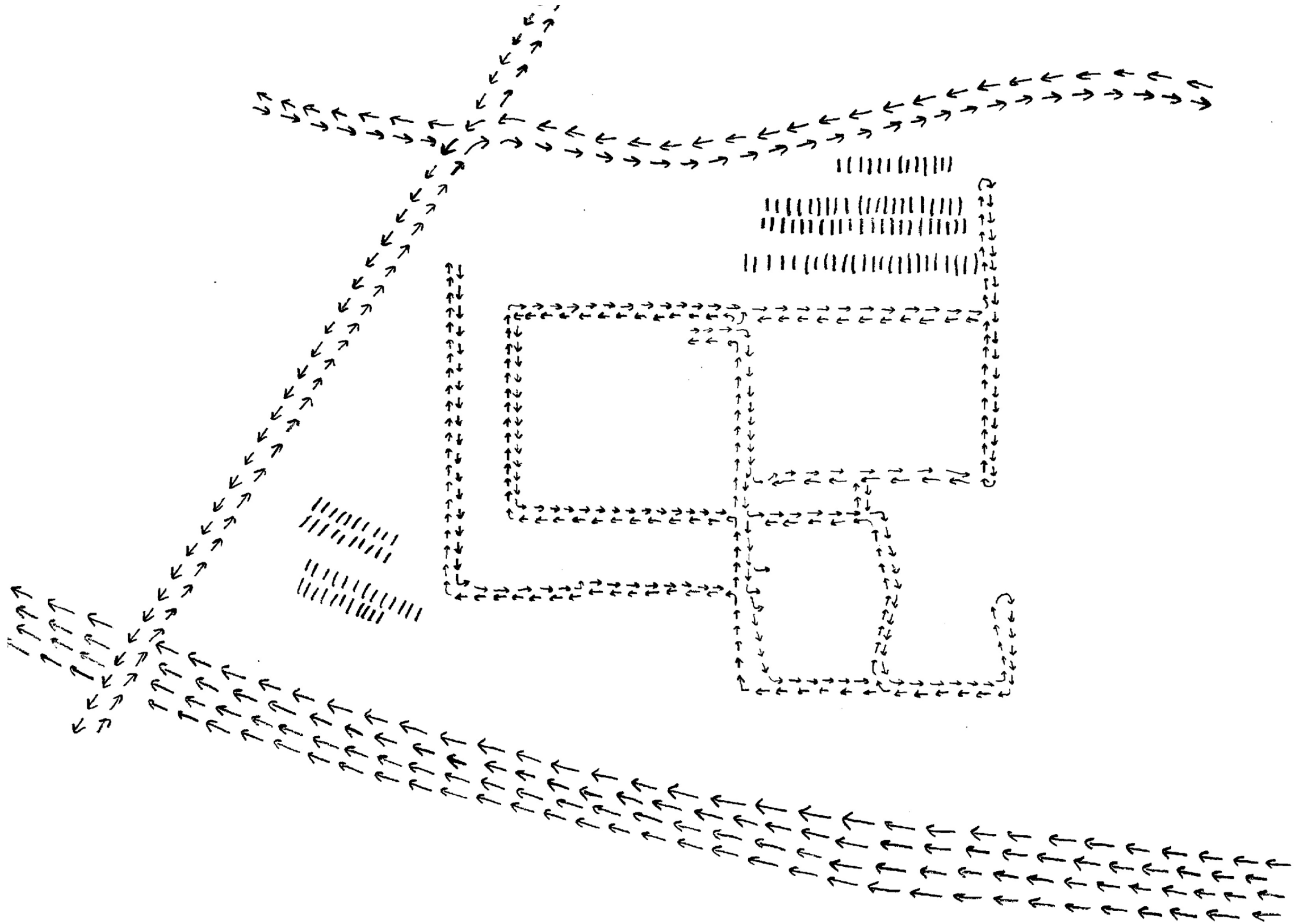
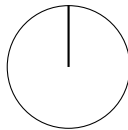
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Photo of DeSingel from the bridge on the south. October 2024.



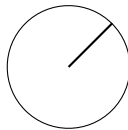


Weaving Grounds

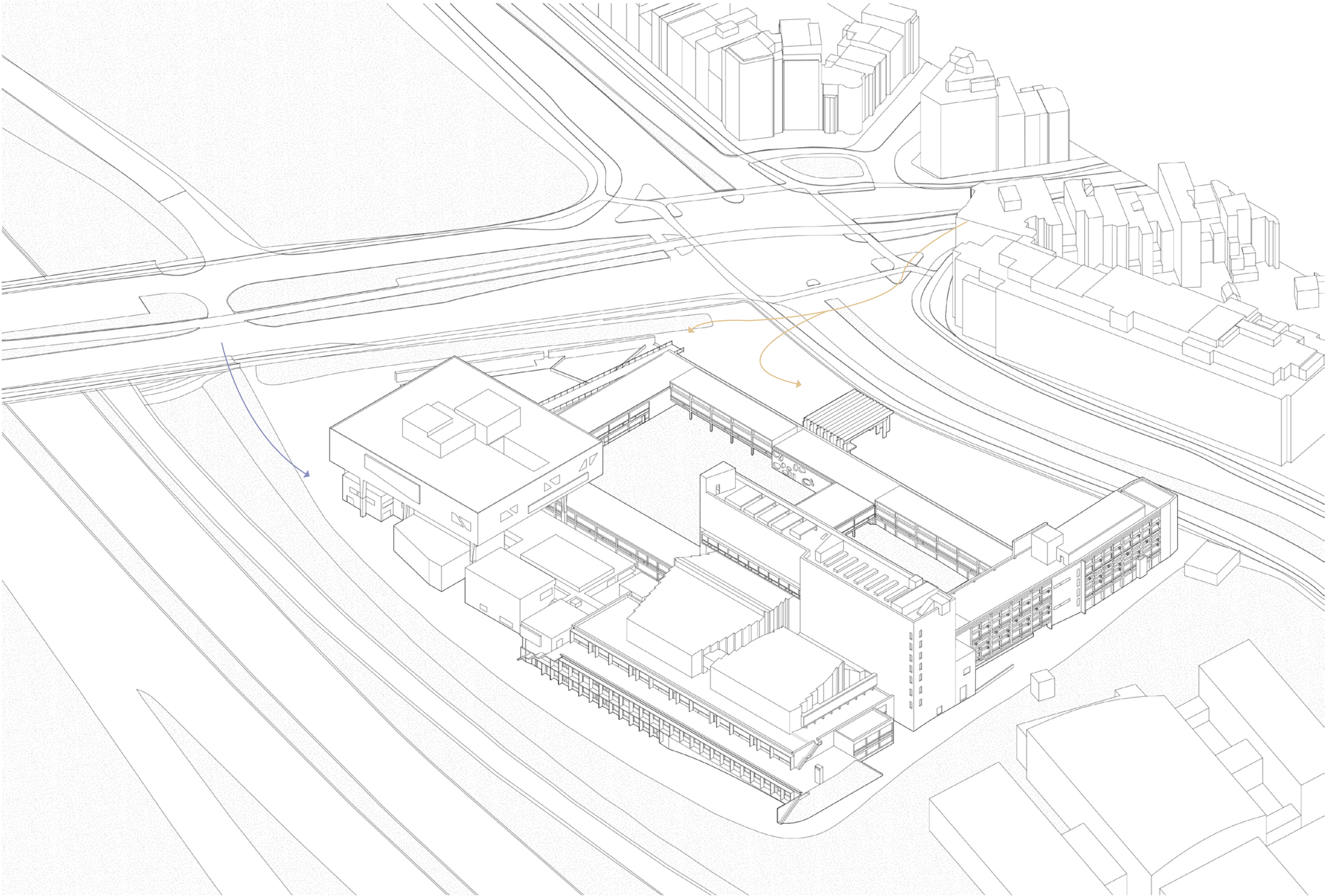


Photograph of the terraces on the South. ca. 1980.

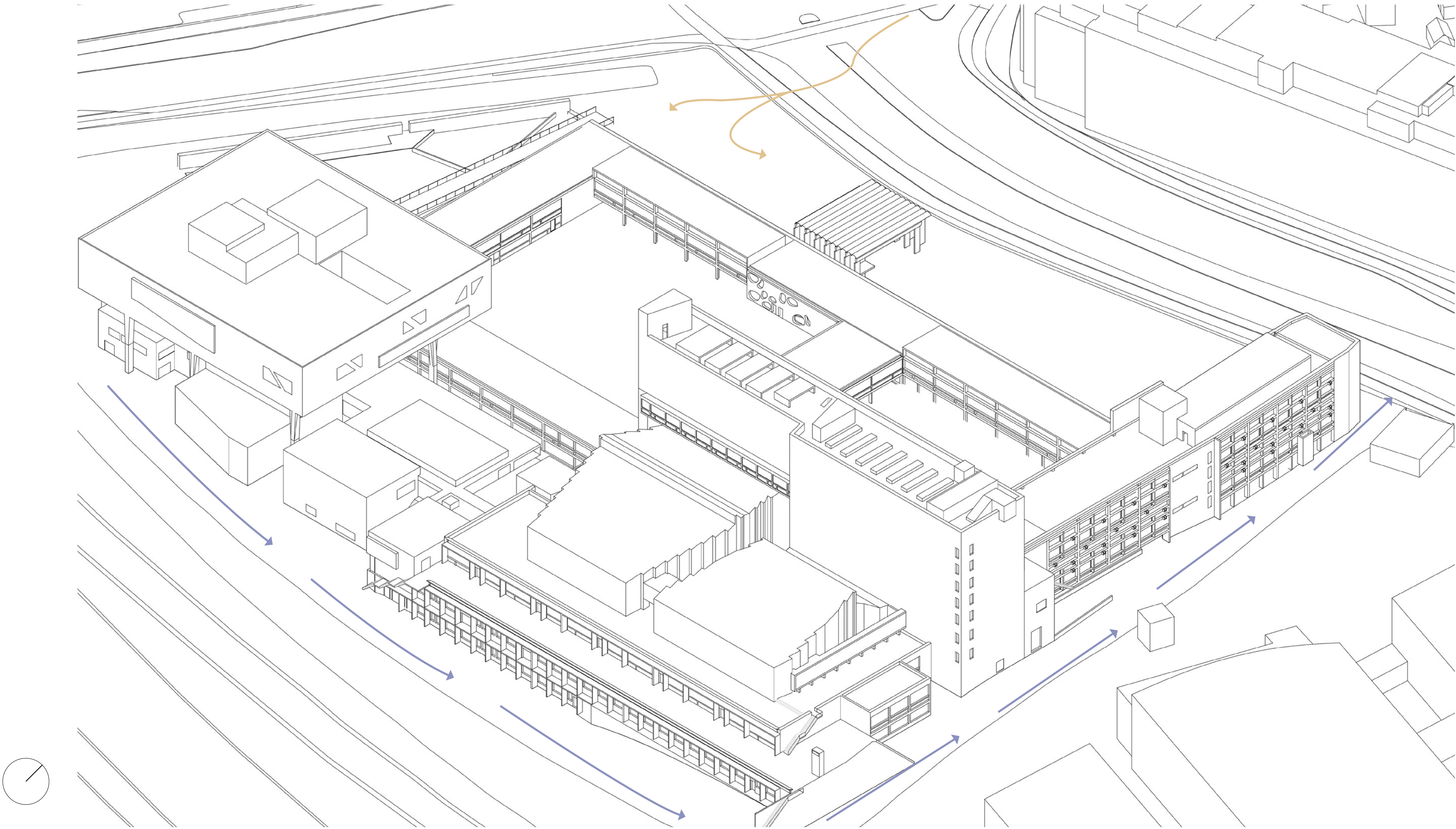
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Interiors, Buildings, Cities - P5

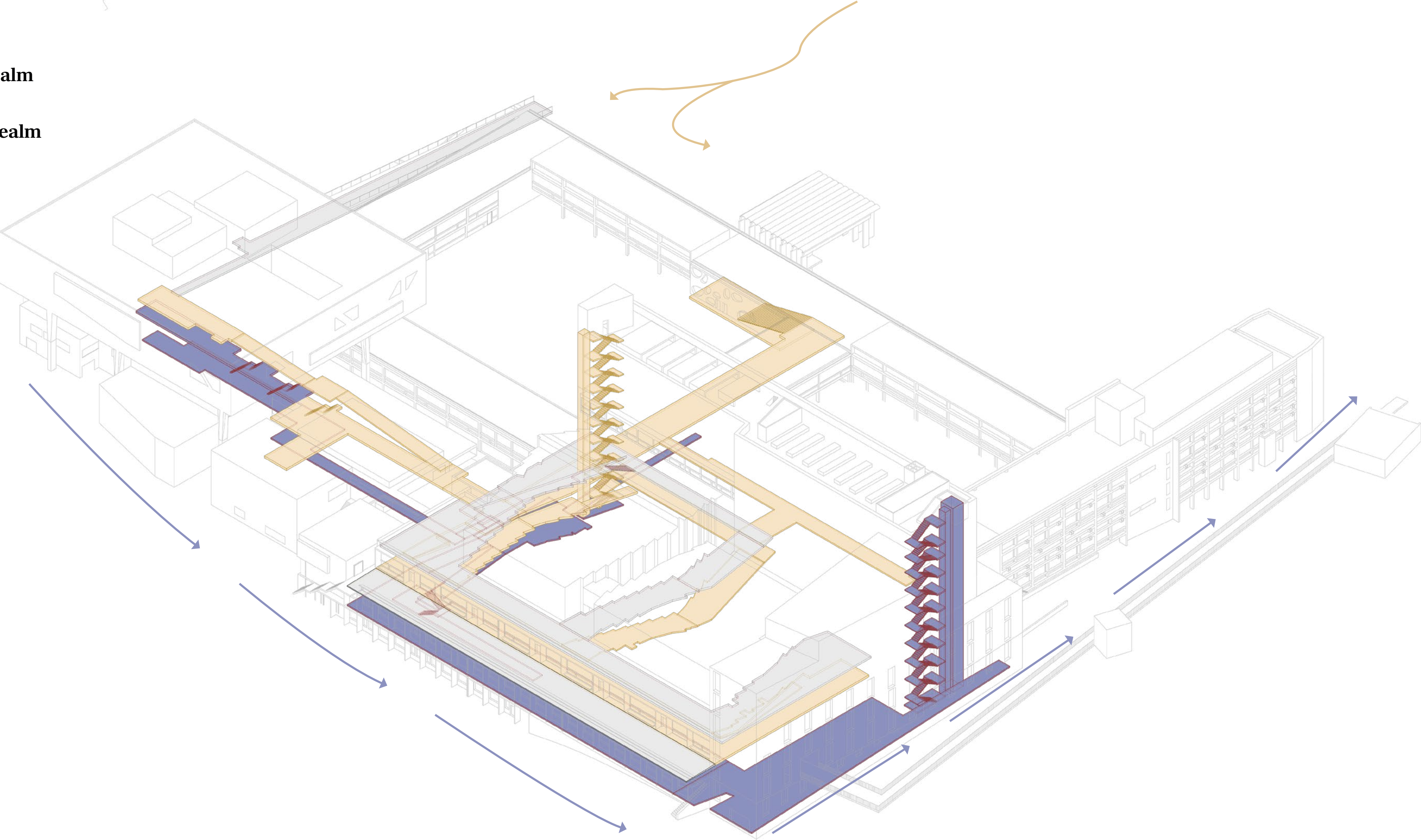


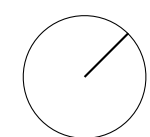
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Interiors, Buildings, Cities - P5

Public realm

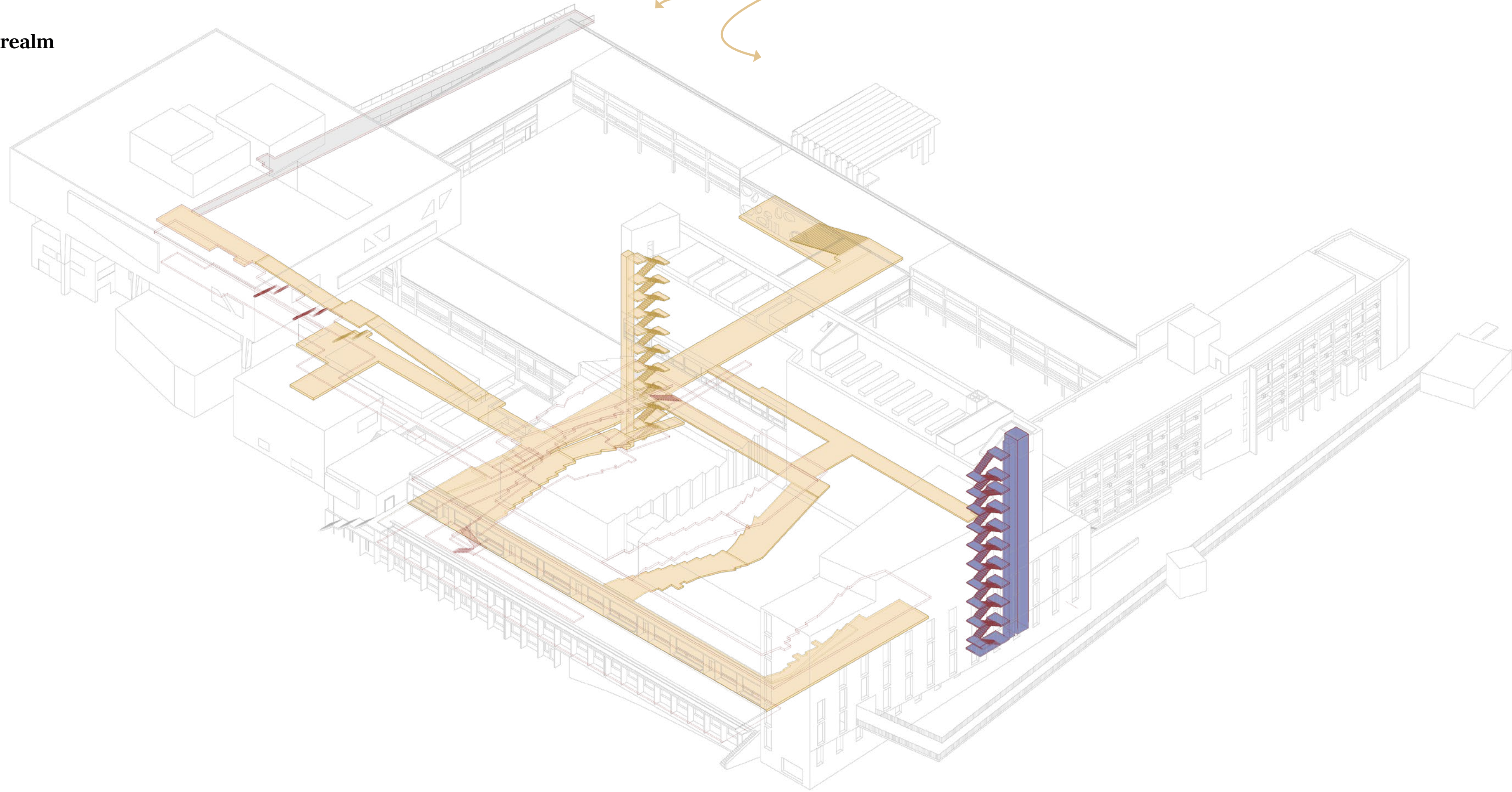
Private realm



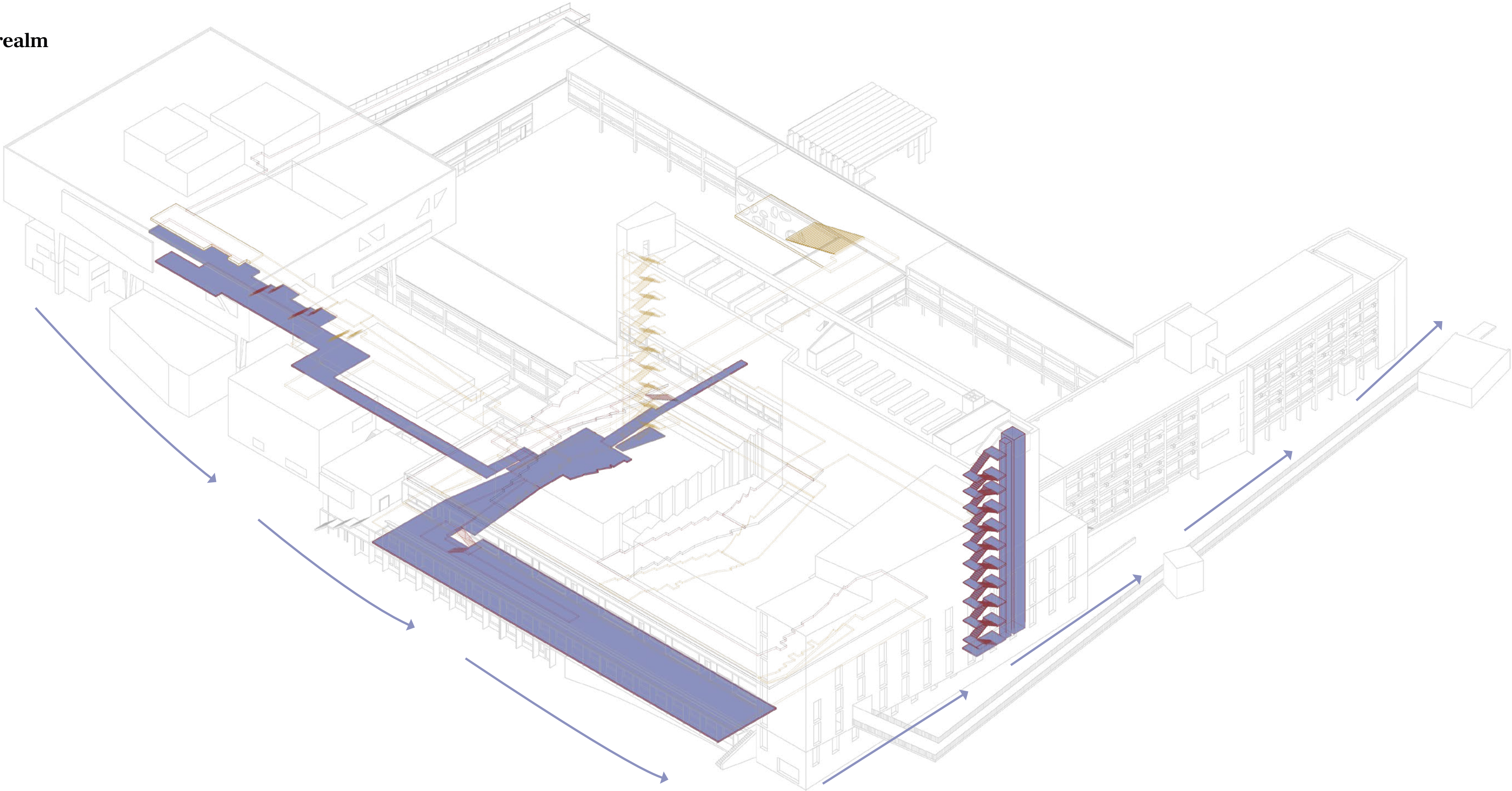
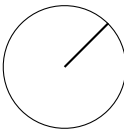


- Public realm**
- Private realm**

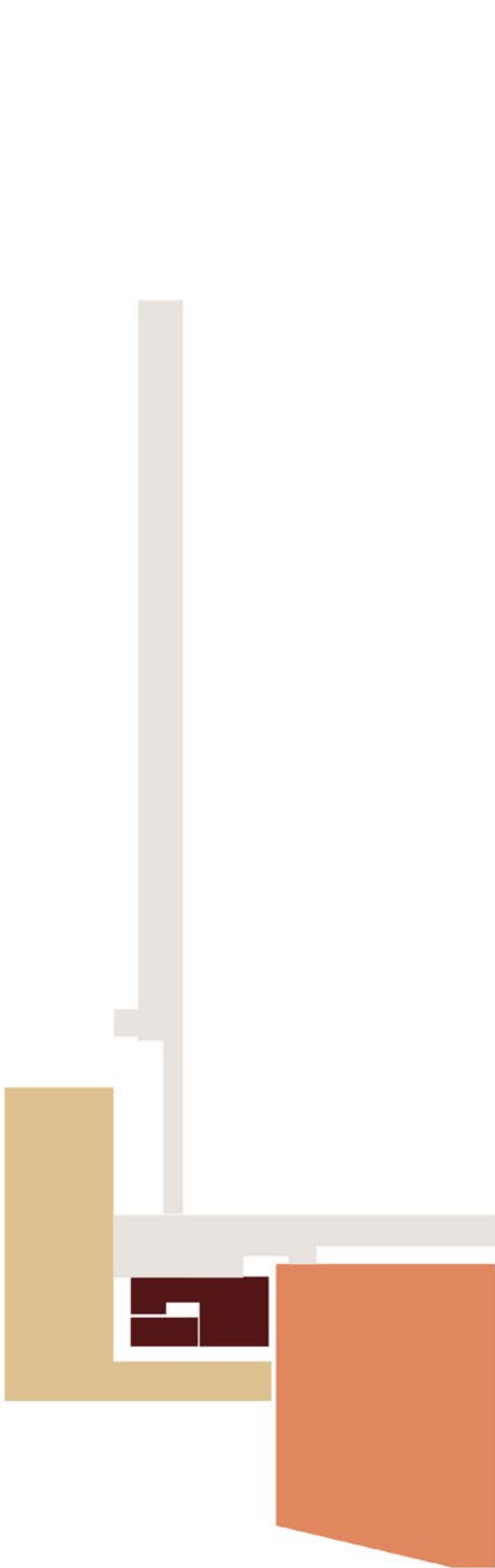
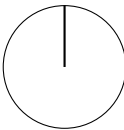
Weaving Grounds



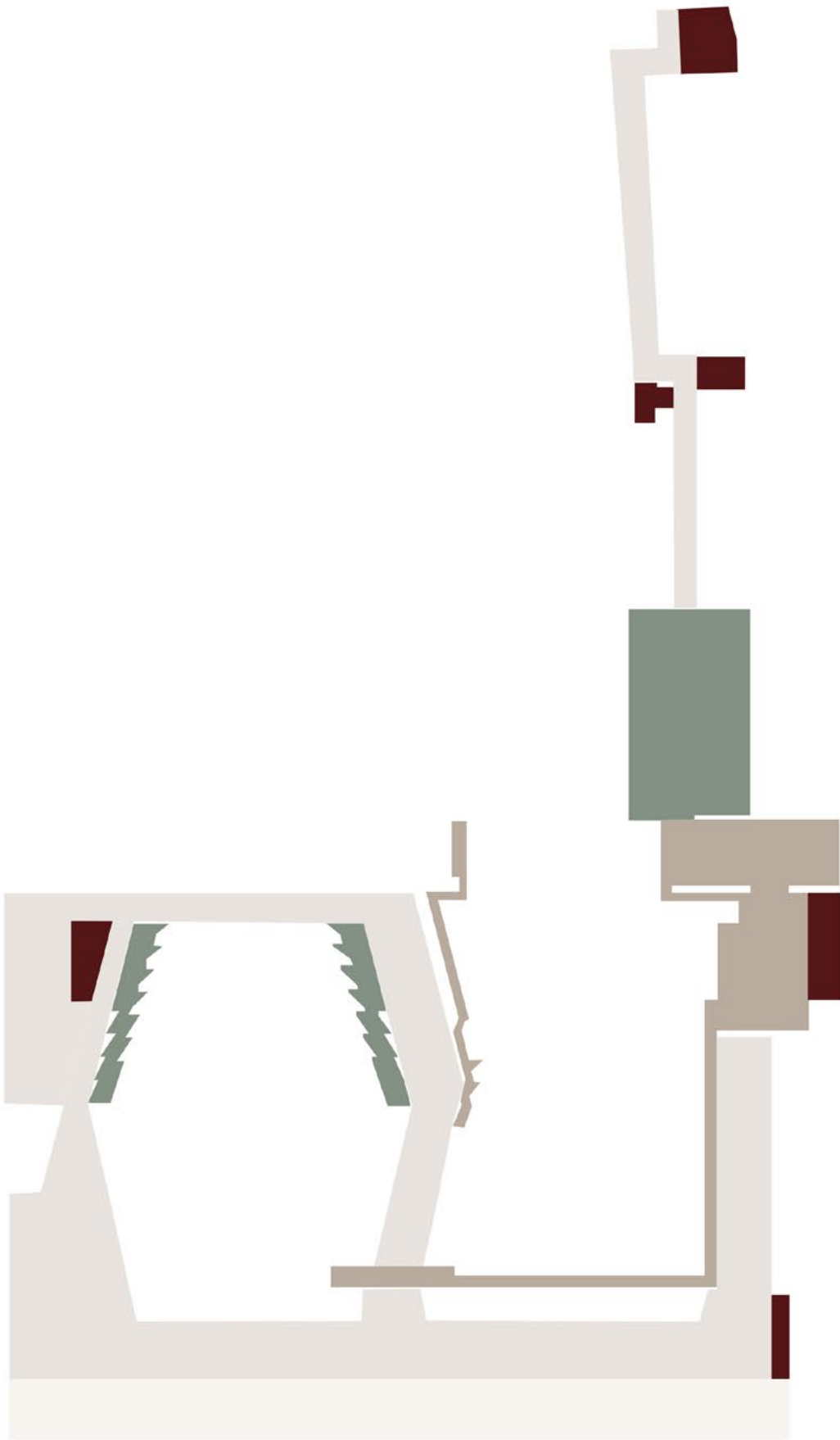
- Public realm
- Private realm



- classroom/rehearsal** - 0 sqm
- Exhibition** - 0 sqm
- Logistics** - 300 sqm
- Performing** - 284 sqm
- Restauration** - 395 sqm
- Offices** - 0 sqm
- Library** - 564 sqm
- Vertical circulation**
- Public Routing**



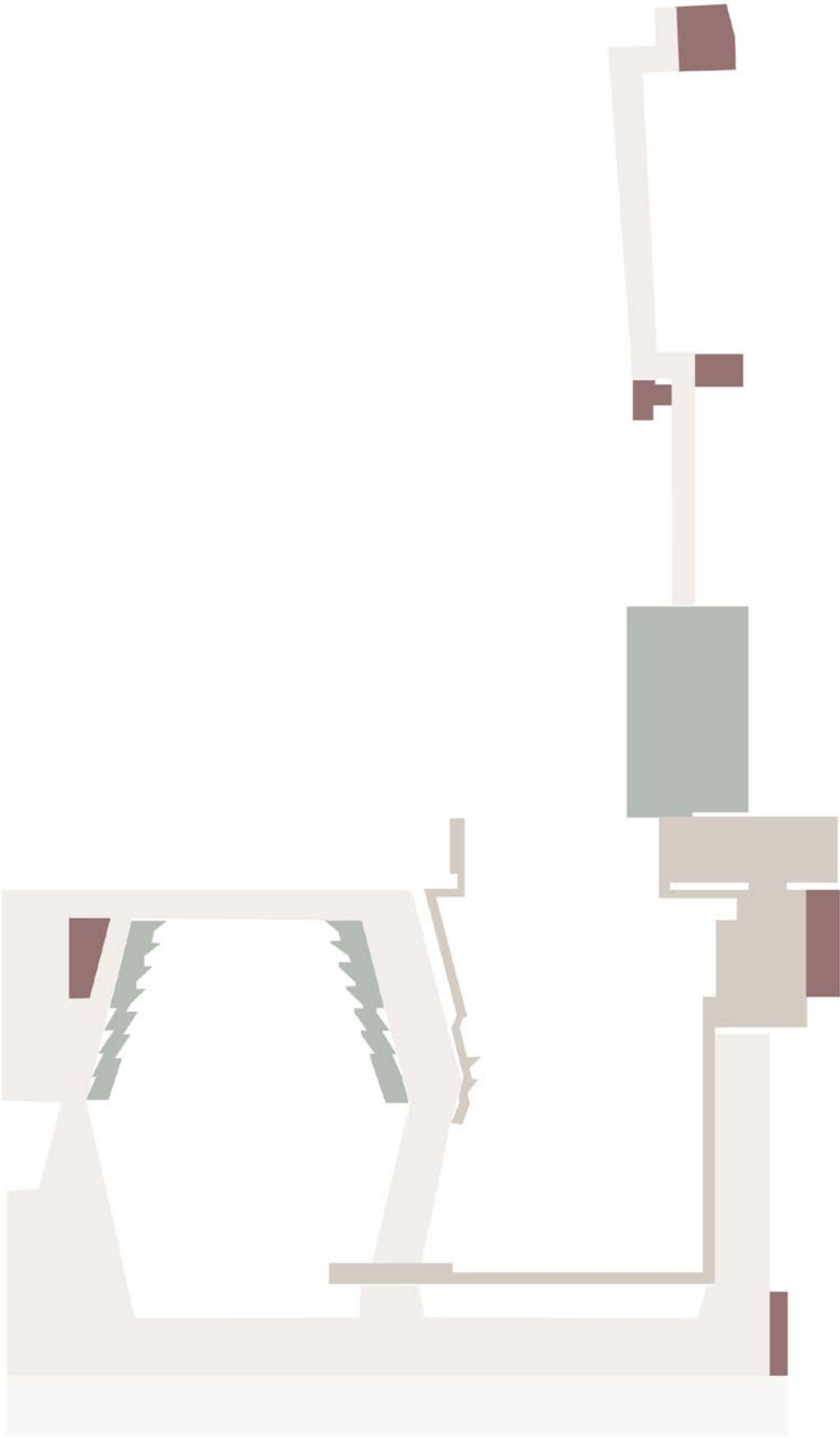
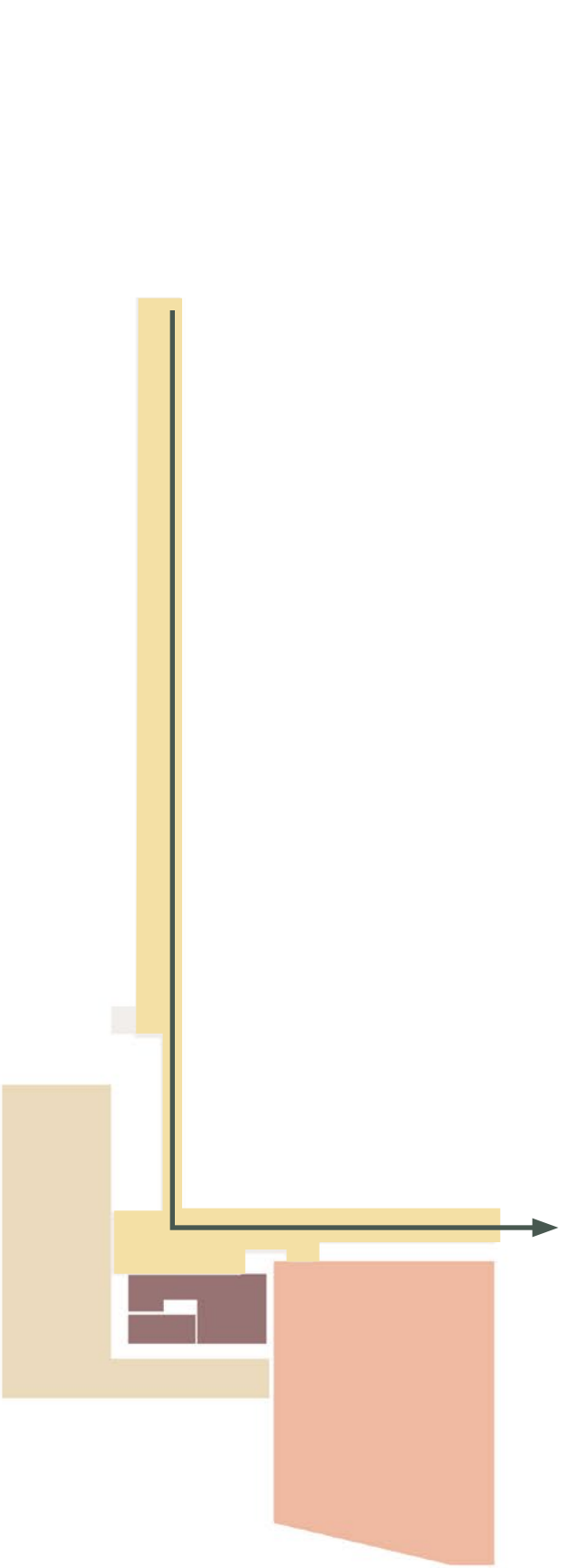
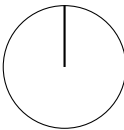
Weaving Grounds



Programmatic plan of the second floor

Romain Touron

-  **classroom/rehearsal** - 0 sqm
-  **Exhibition** - 0 sqm
-  **Logistics** - 300 sqm
-  **Performing** - 284 sqm
-  **Restauration** - 395 sqm
-  **Offices** - 0 sqm
-  **Library** - 564 sqm
-  **Vertical circulation**
-  **West-East Axis**

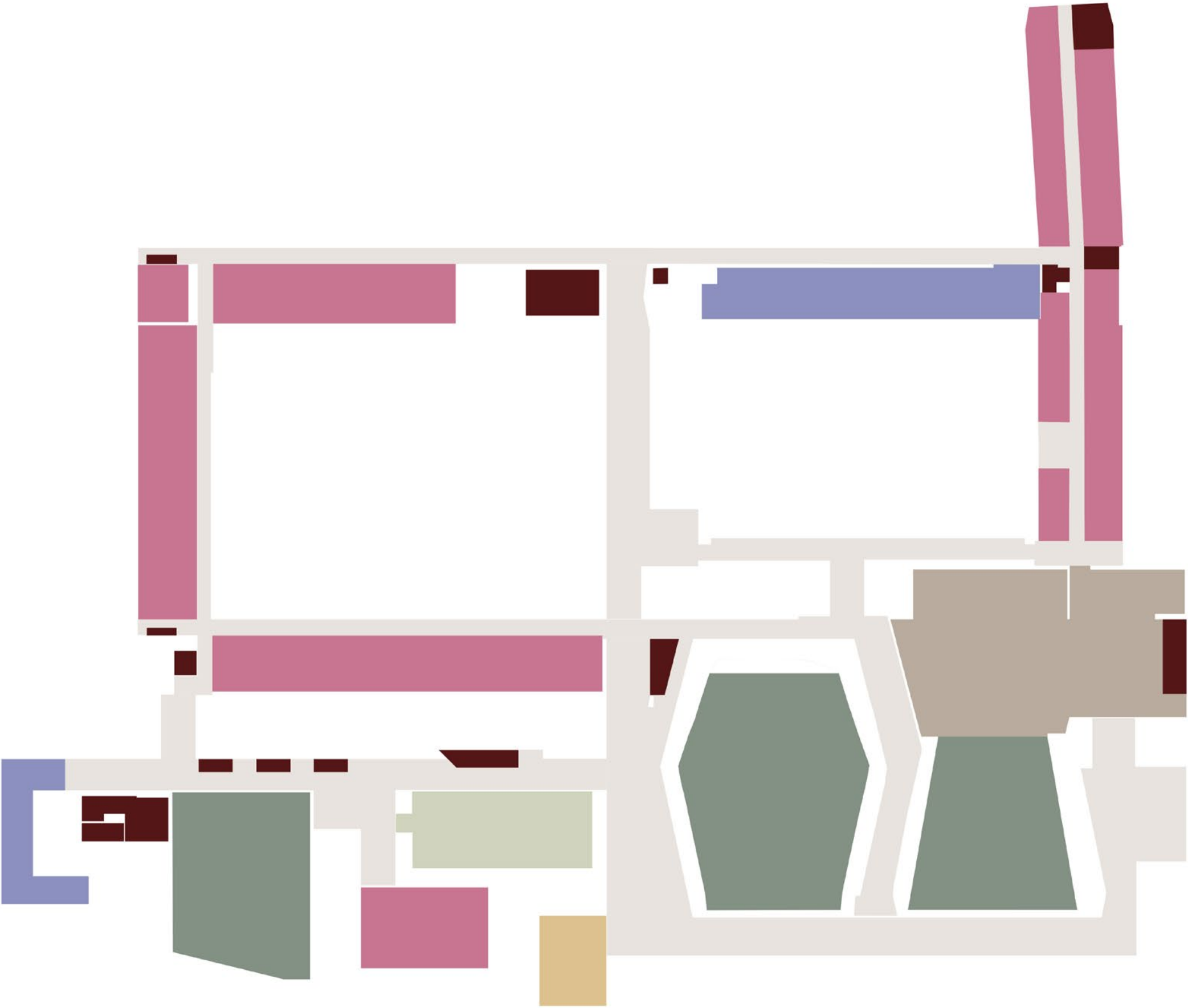
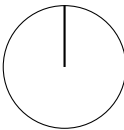


Interiors, Buildings, Cities - P5

Plan of the second floor: the start of the West-East Axis

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- classroom/rehearsal - 2237 sqm**
- Exhibition - 320 sqm**
- Logistics - 676 sqm**
- Performing - 2090 sqm**
- Restauration - 116 sqm**
- Offices - 534 sqm**
- Library - 0 sqm**
- Vertical circulation**
- Public Routing**



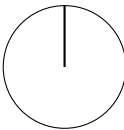
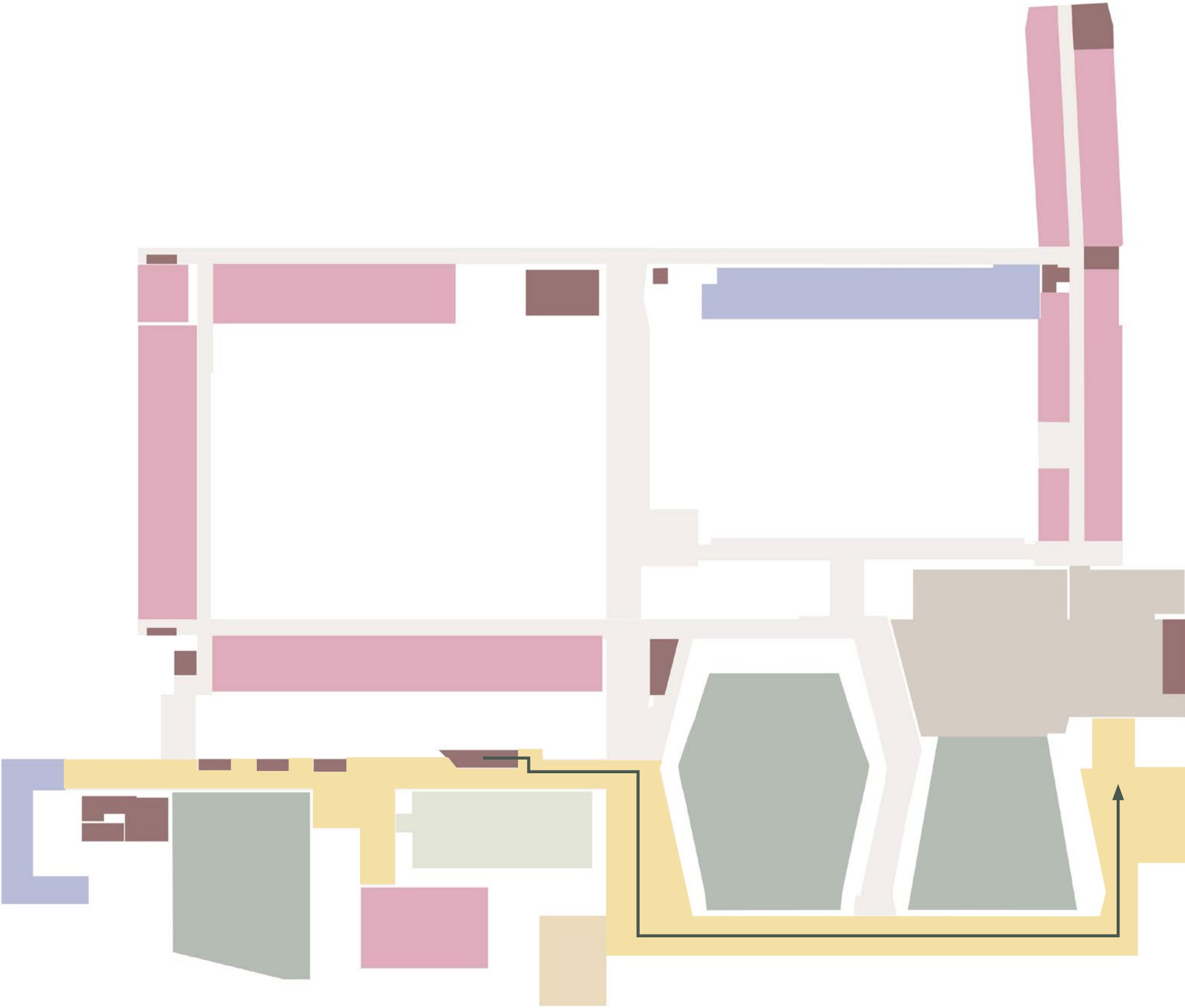
Interiors, Buildings, Cities - P5

Programmatic plan of the first floor

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Interiors, Buildings, Cities - P5

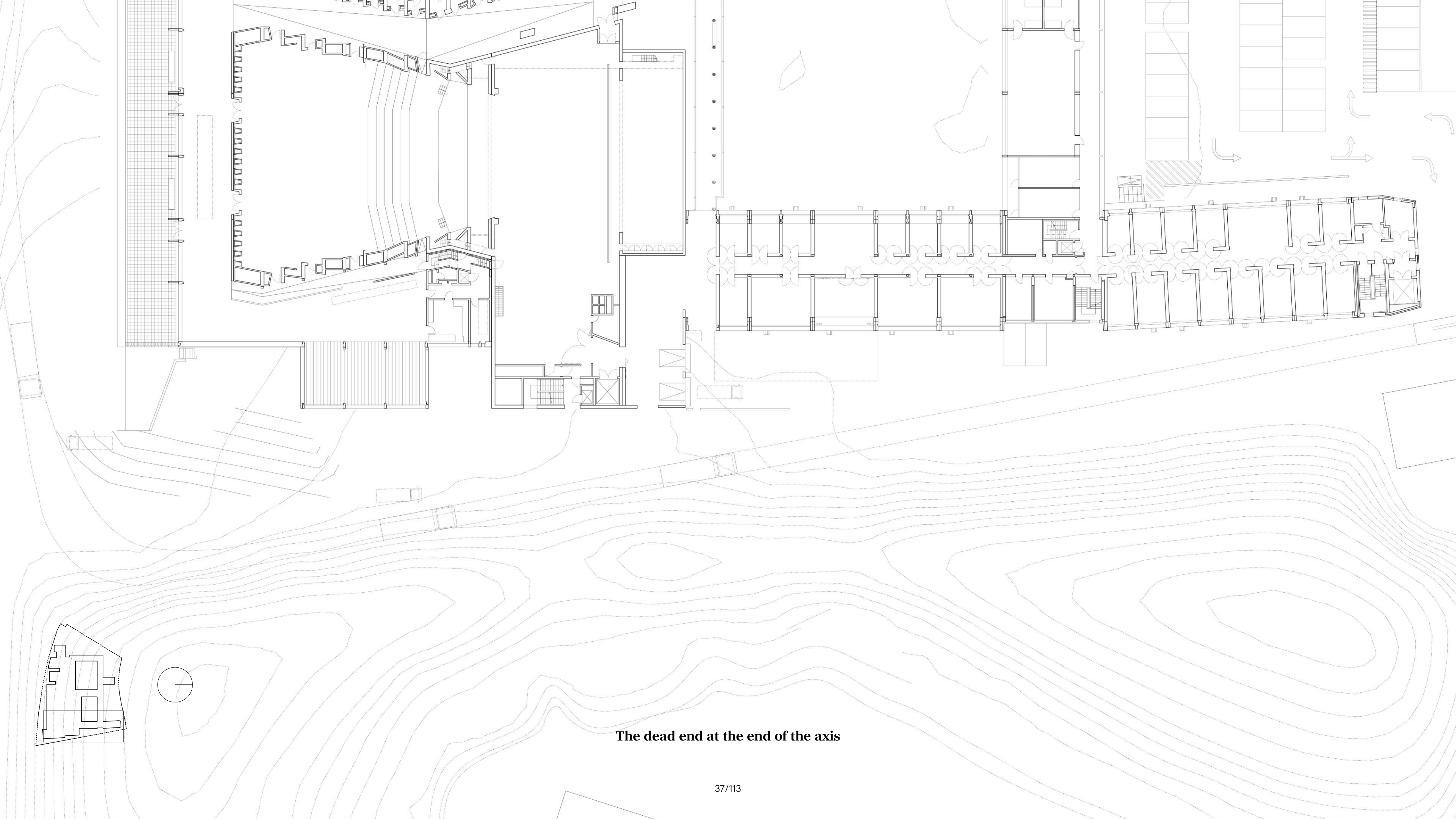
- classroom/rehearsal** - 2237 sqm
- Exhibition** - 320 sqm
- Logistics** - 676 sqm
- Performing** - 2090 sqm
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- Offices** - 534 sqm
- Library** - 0 sqm
- Vertical circulation**
- West-East Axis**



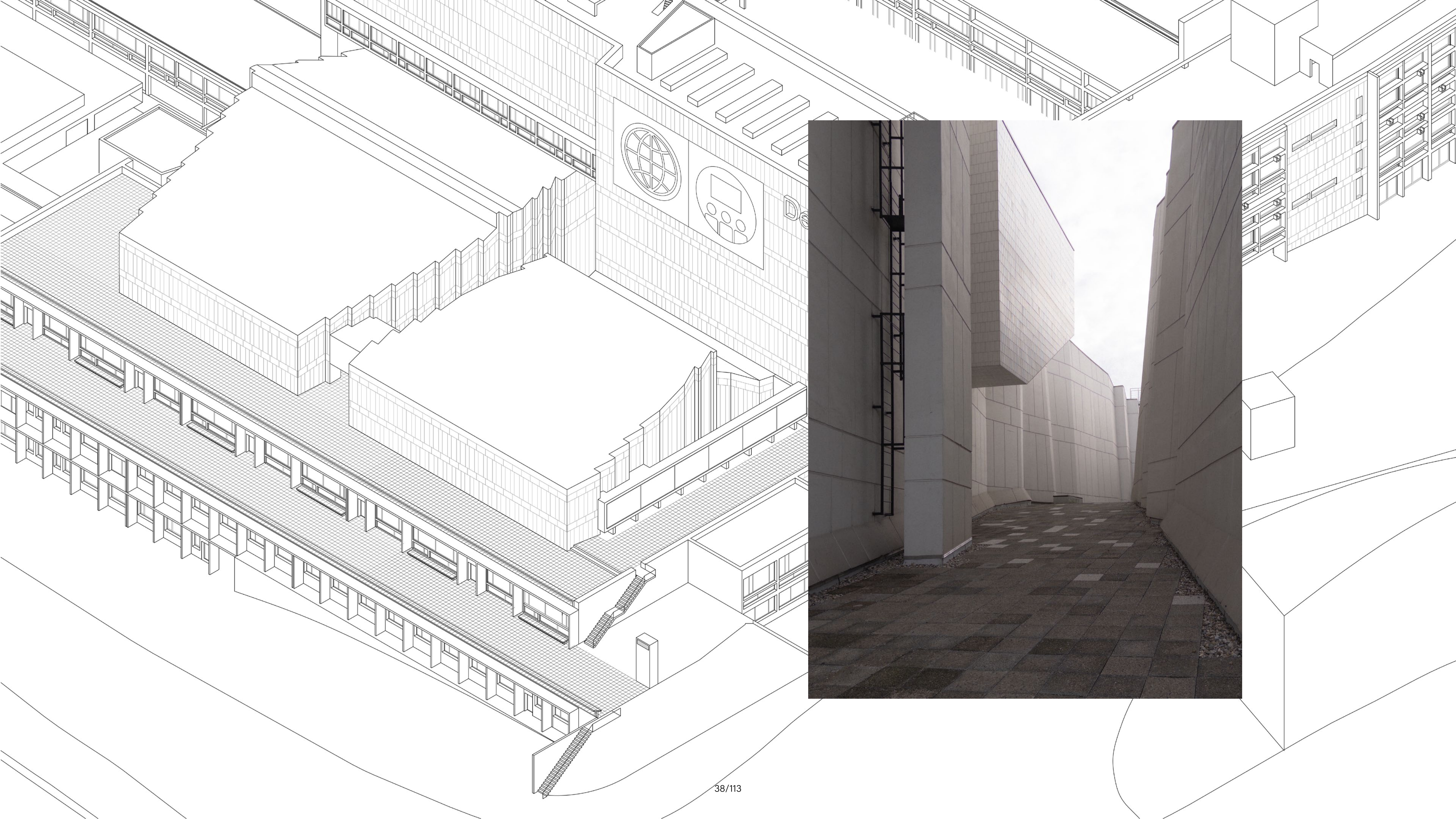
Plan of the first floor: the West-East Axis

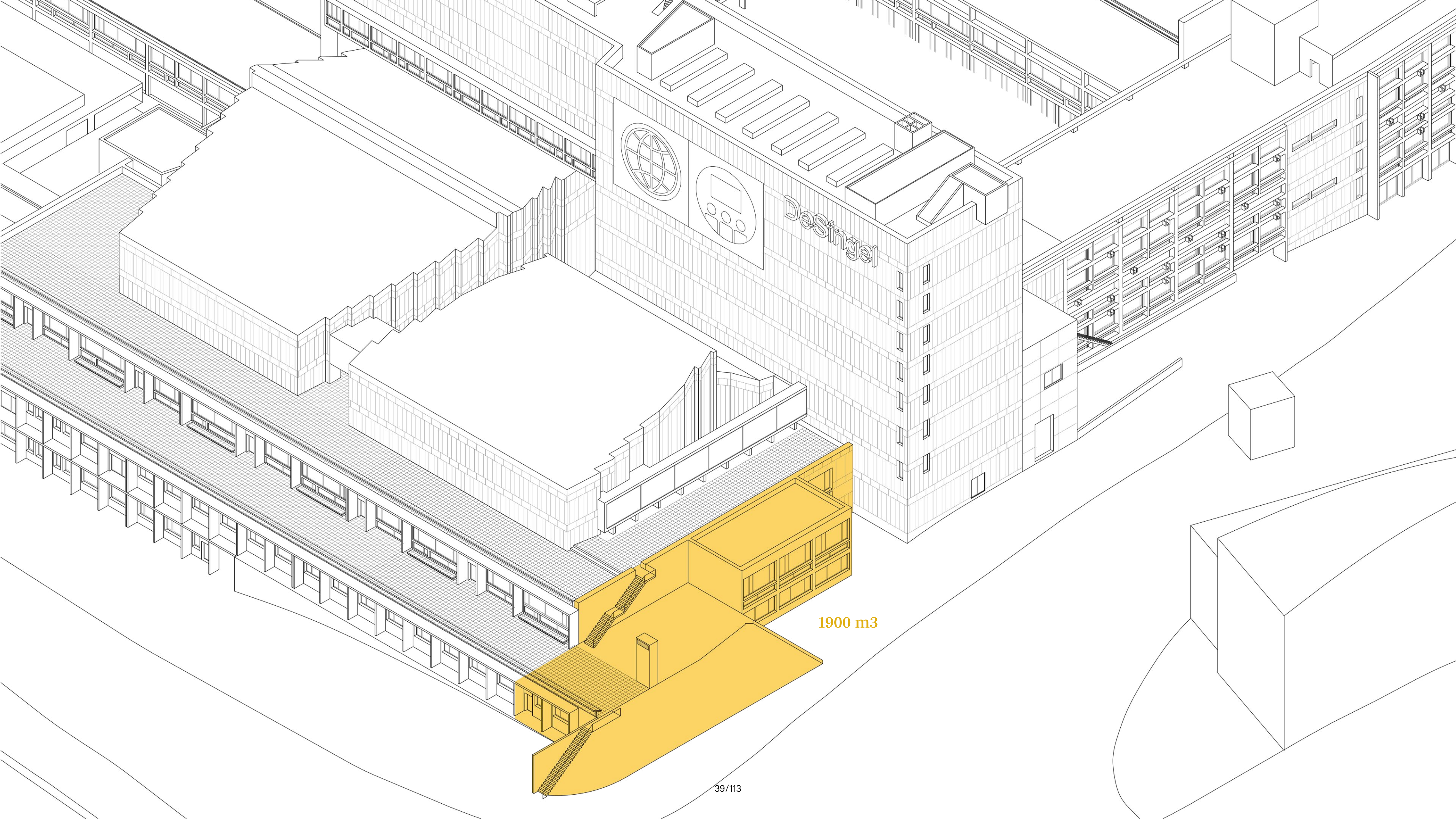


Spatial sequence on the +1 of the West to East Axis

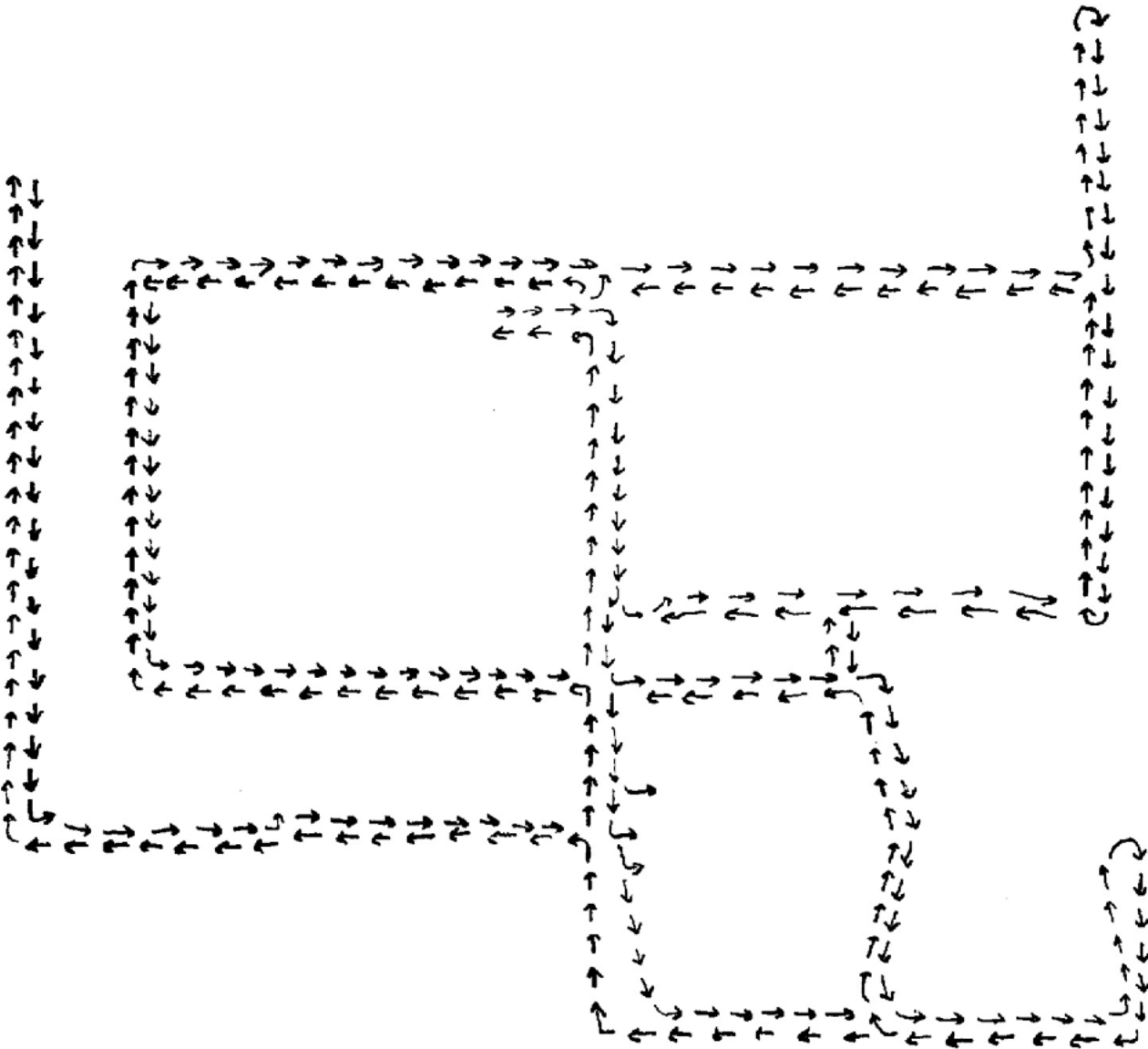
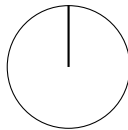


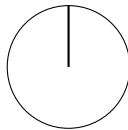
The dead end at the end of the axis



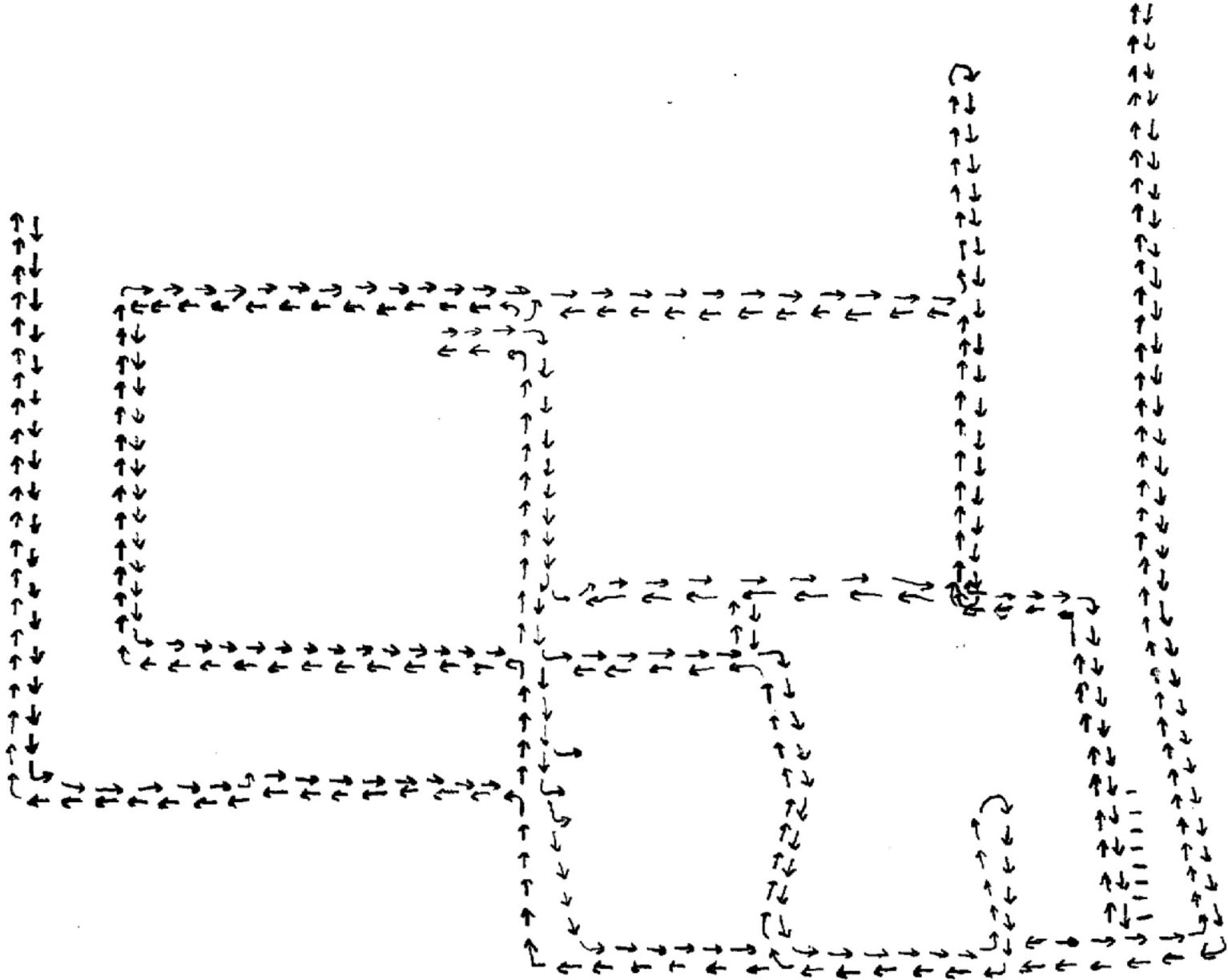


1900 m3





Weaving Grounds



- II. The Archive, and the public (5’)**
 - a. Case Study: Bordeaux City Archive
 - b. A room for an archive

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Bordeaux City Archive. Photograph by Philippe Caumes. 2015.

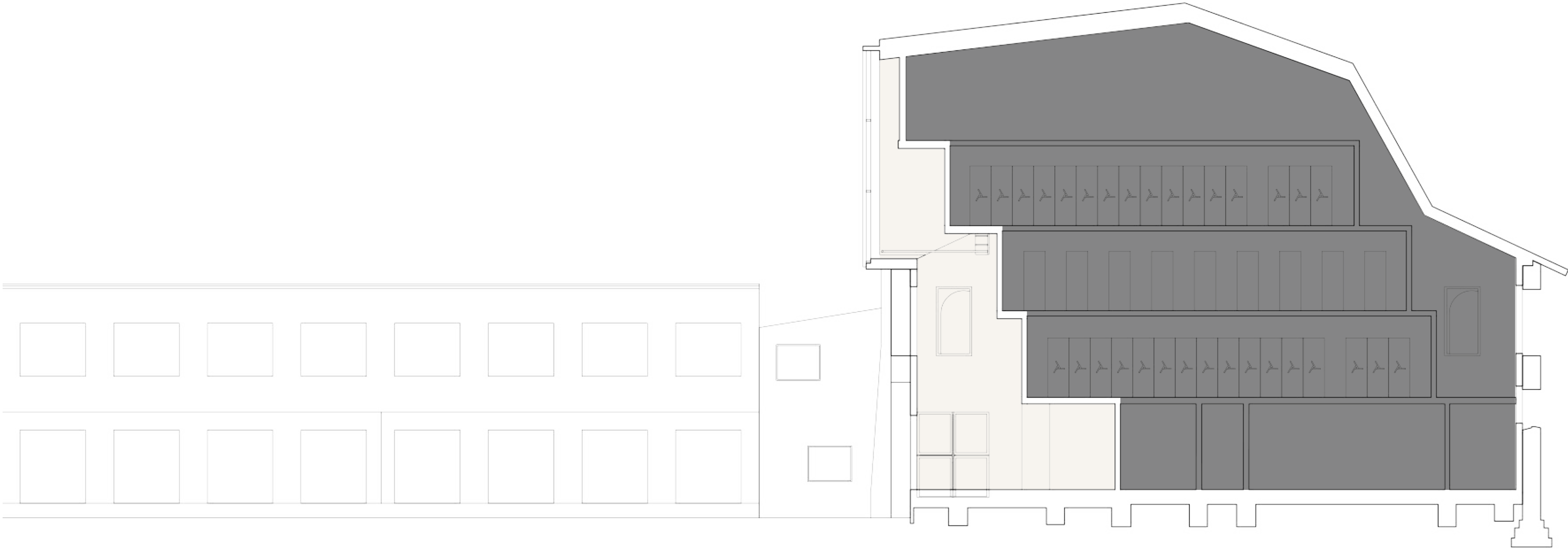


Reading room of the Bordeaux City Archive by Robbrecht en Daem. Photograph by Filip Dujardin. 2016



Model of the reading room at the Archives de Bordeaux - L. Tijchon, C. van Tilburg, R. Tournon

Romain Touron

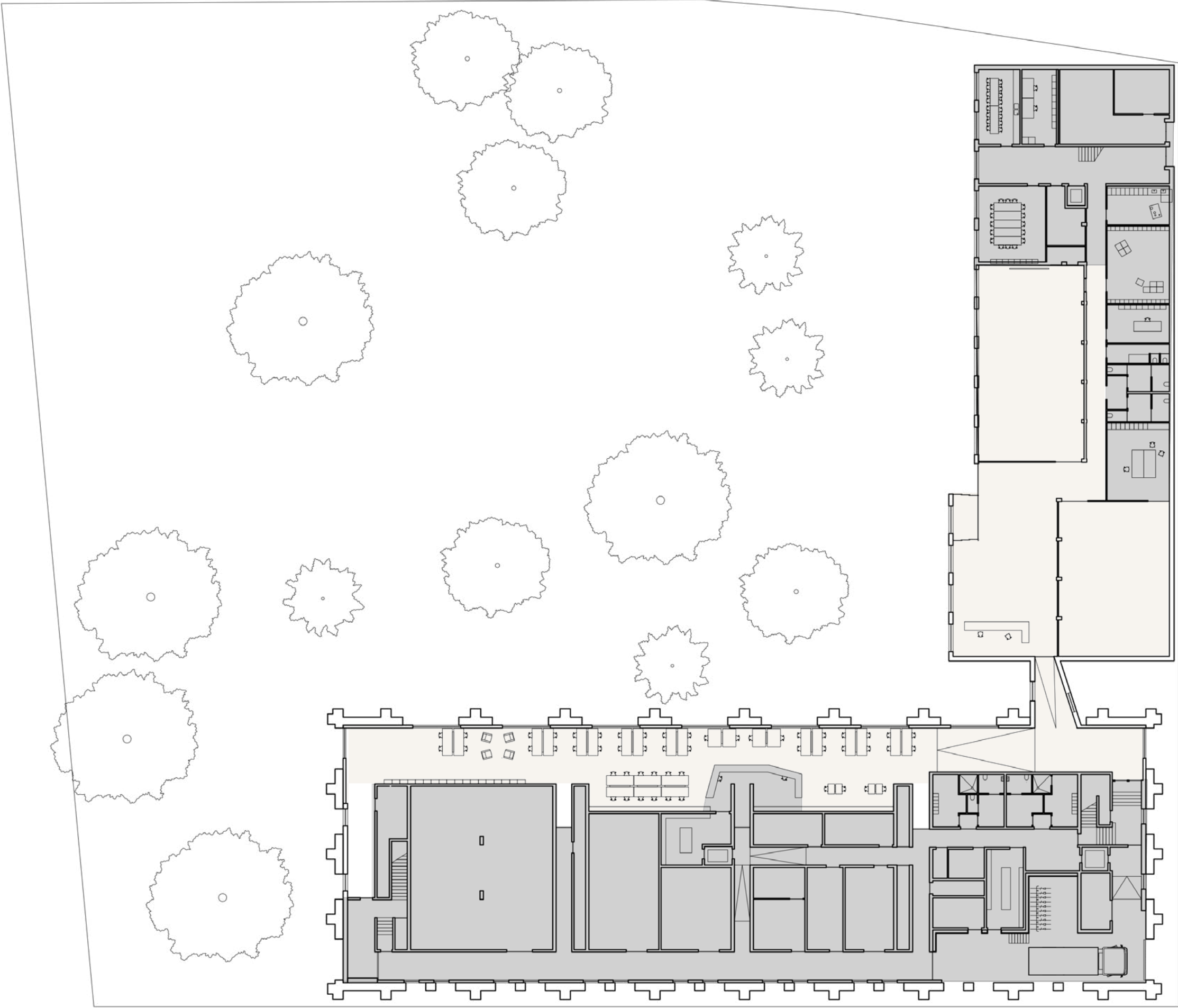


- public routing
- archive/depot

Section in the reading room of the Bordeaux City Archive

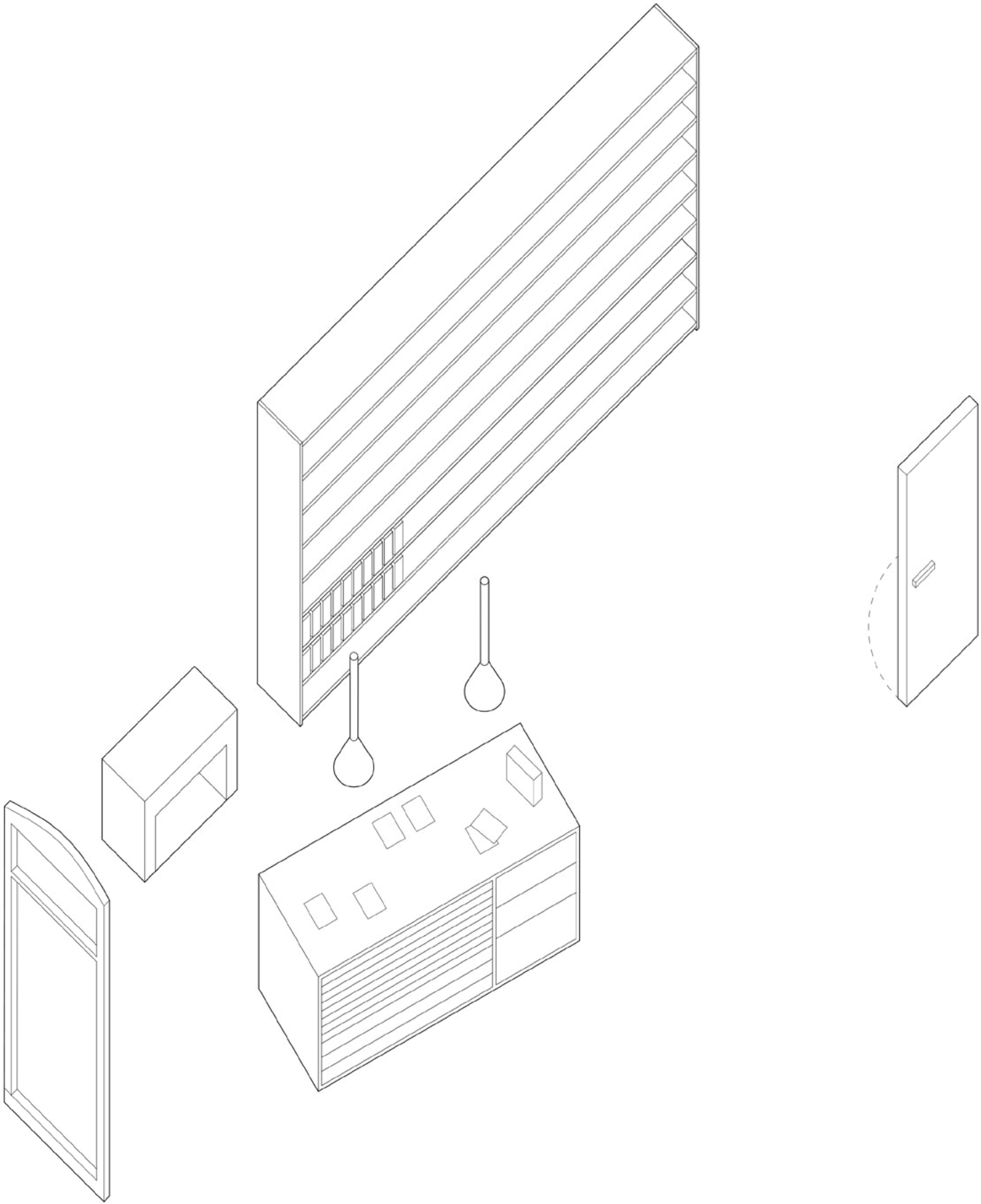
Interiors, Buildings, Cities - P5

- public routing
- archive/depot



Plan of the ground floor of the Bordeaux City Archive

- II. The Archive, and the public (5’)
- a. Case Study: Bordeaux City Archive
- b. A room for an archive**



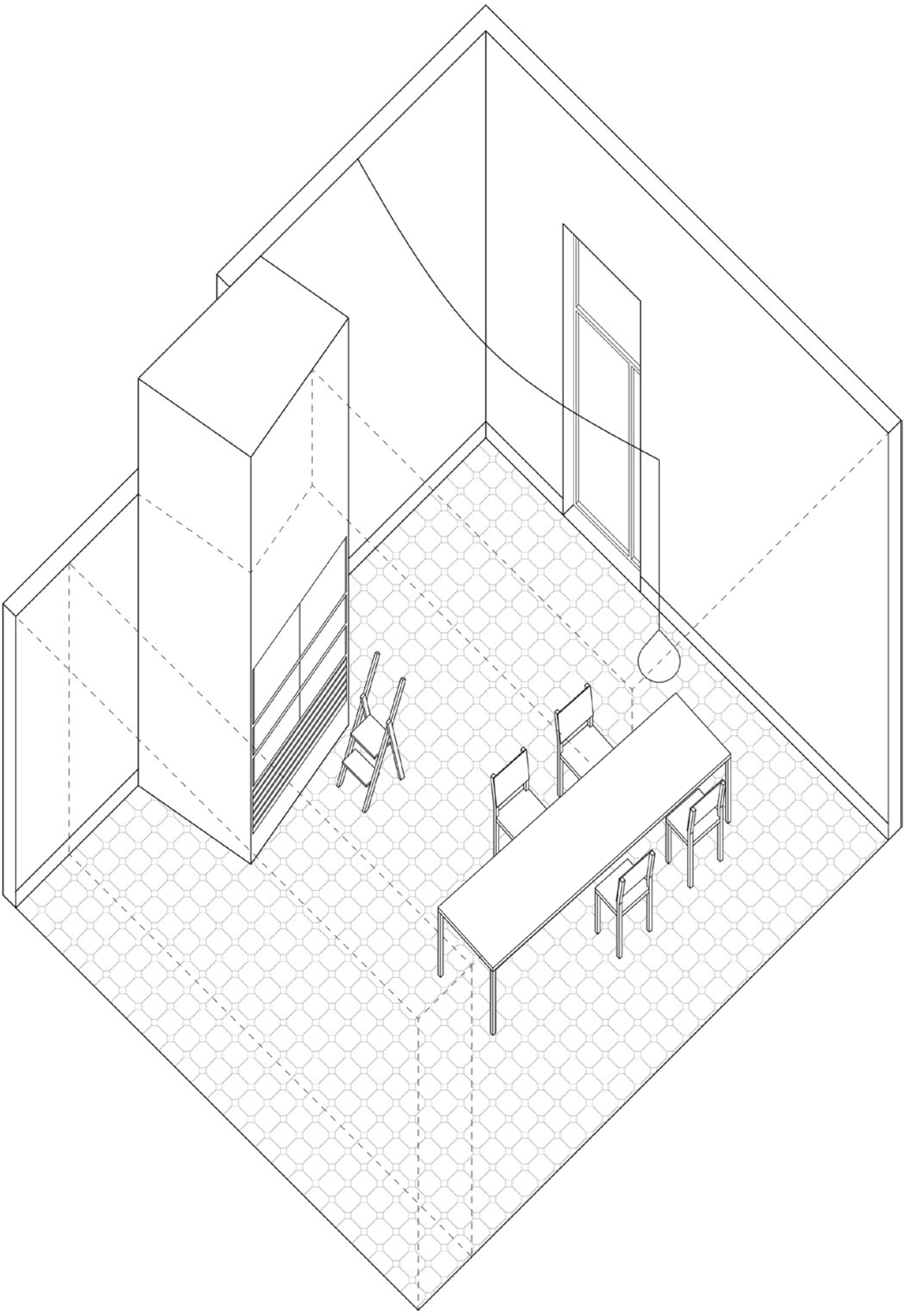
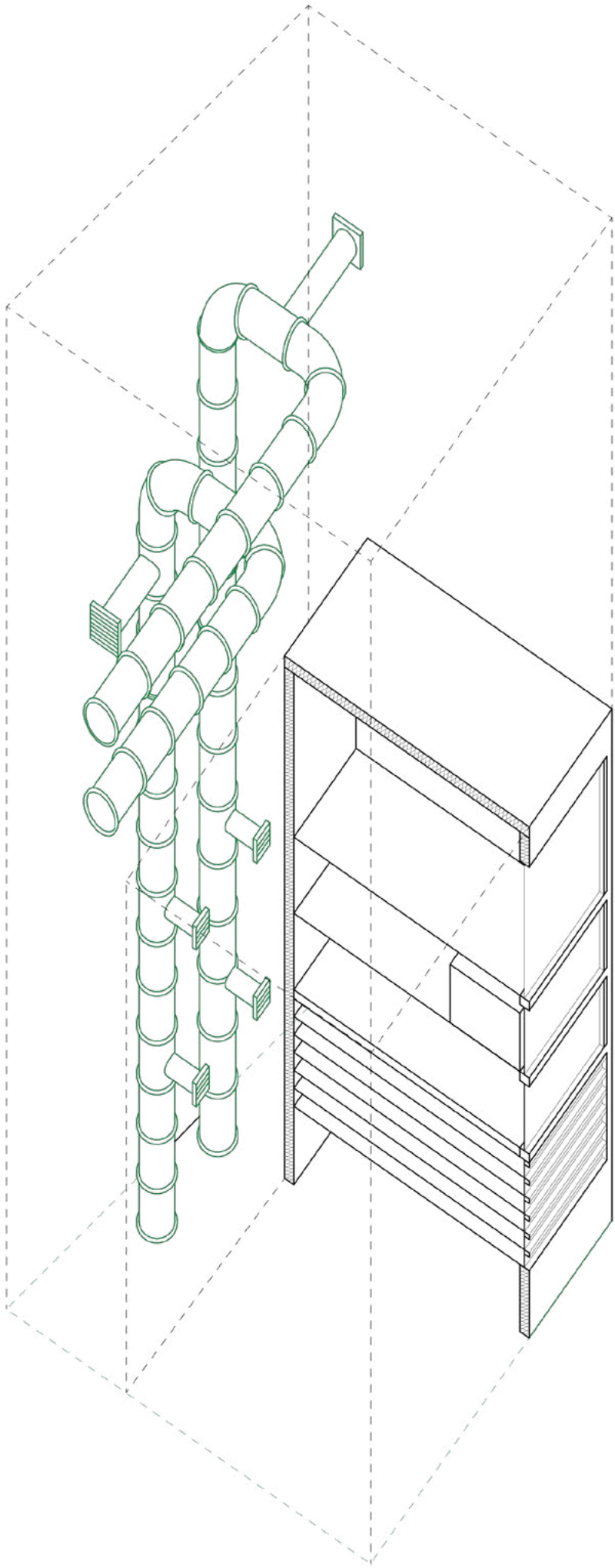
The components of an archive

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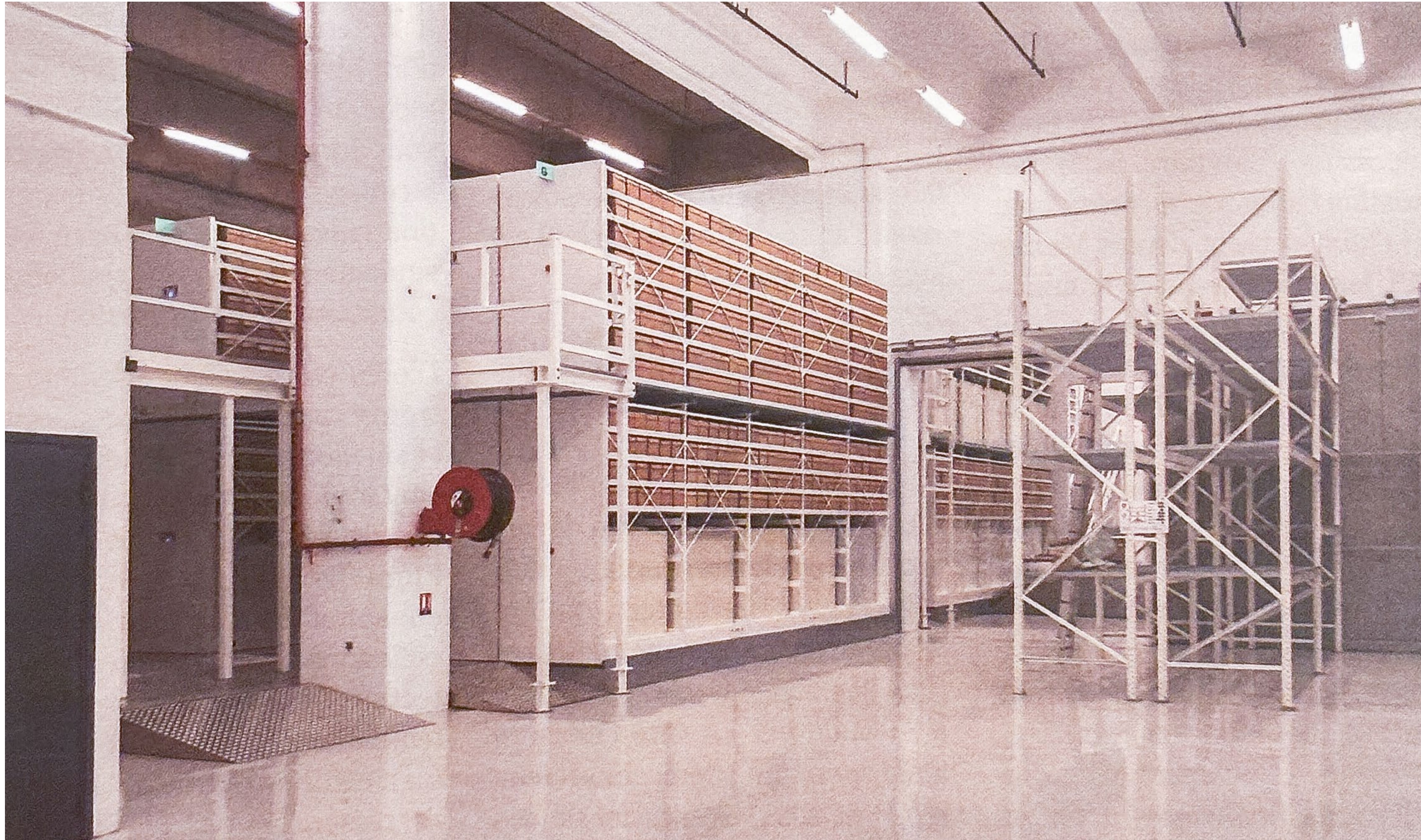


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A Room for An Archive



A room in a room: axonometries of the different climatic artefacts



Depot at the Cité de l'Architecture in Paris

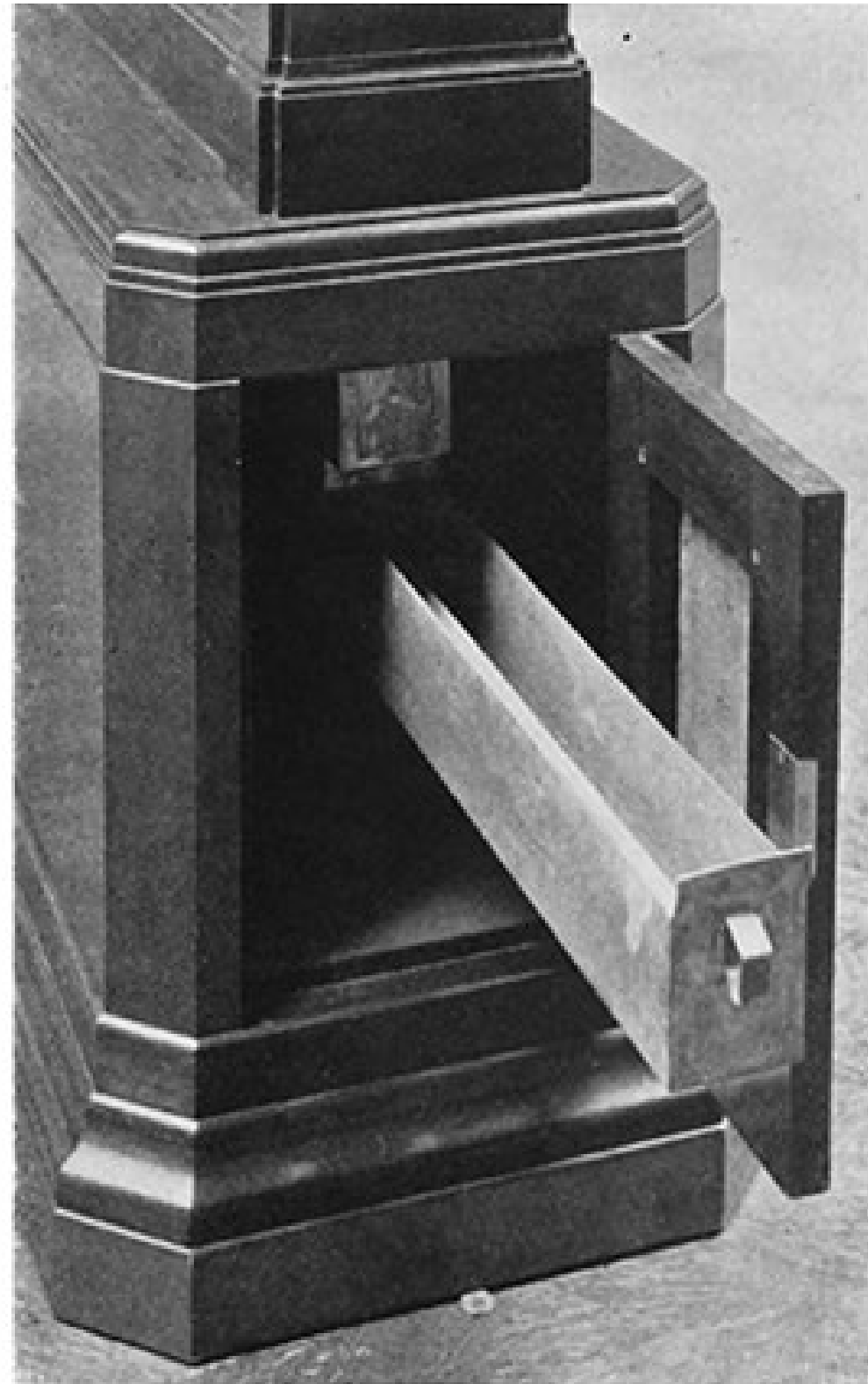


As Energy Costs Bite, Museums Rethink a Conservation Credo

Tight climate controls have become the norm to protect artworks and artifacts. But as heating and electricity prices soar, Europe’s museums administrators are wondering whether the rules need to be so strict.

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B—DETAIL OF *C*, SHOWING CONTAINERS FOR SALTS



C—ONE OF THE TRINITY COLLEGE ALTARPIECE-PANELS, ATTRIBUTED TO HUGO VAN DER GOES. 198 BY 96.5 CM. (LENT BY H.M. THE KING TO THE NATIONAL GALLERY OF SCOTLAND)



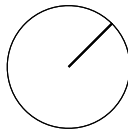
D—DETAIL OF *C*, SHOWING AIR-DUCT AT THE BOTTOM OF THE FRAME

«The Control of Humidity in Enclosed Spaces». The Burlington Magazine 69:404. 1936.

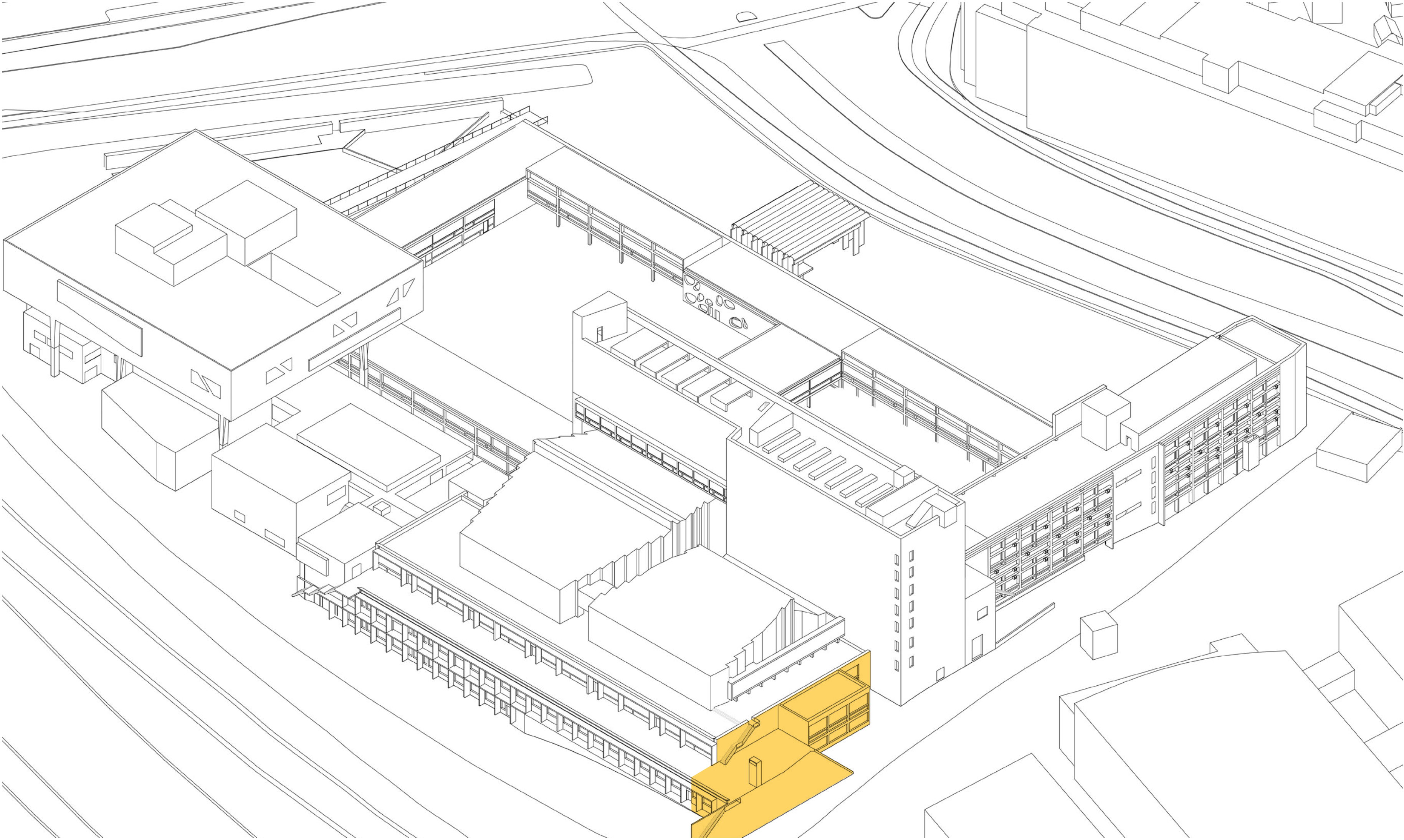
- * **Most collections can tolerate fluctuations of at least +/- 10% RH**
- ***Most materials allow fluctuations between 20°c to 40°c**

Back to the Church model?

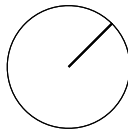
III. A proposal: Weaving Grounds (15’)



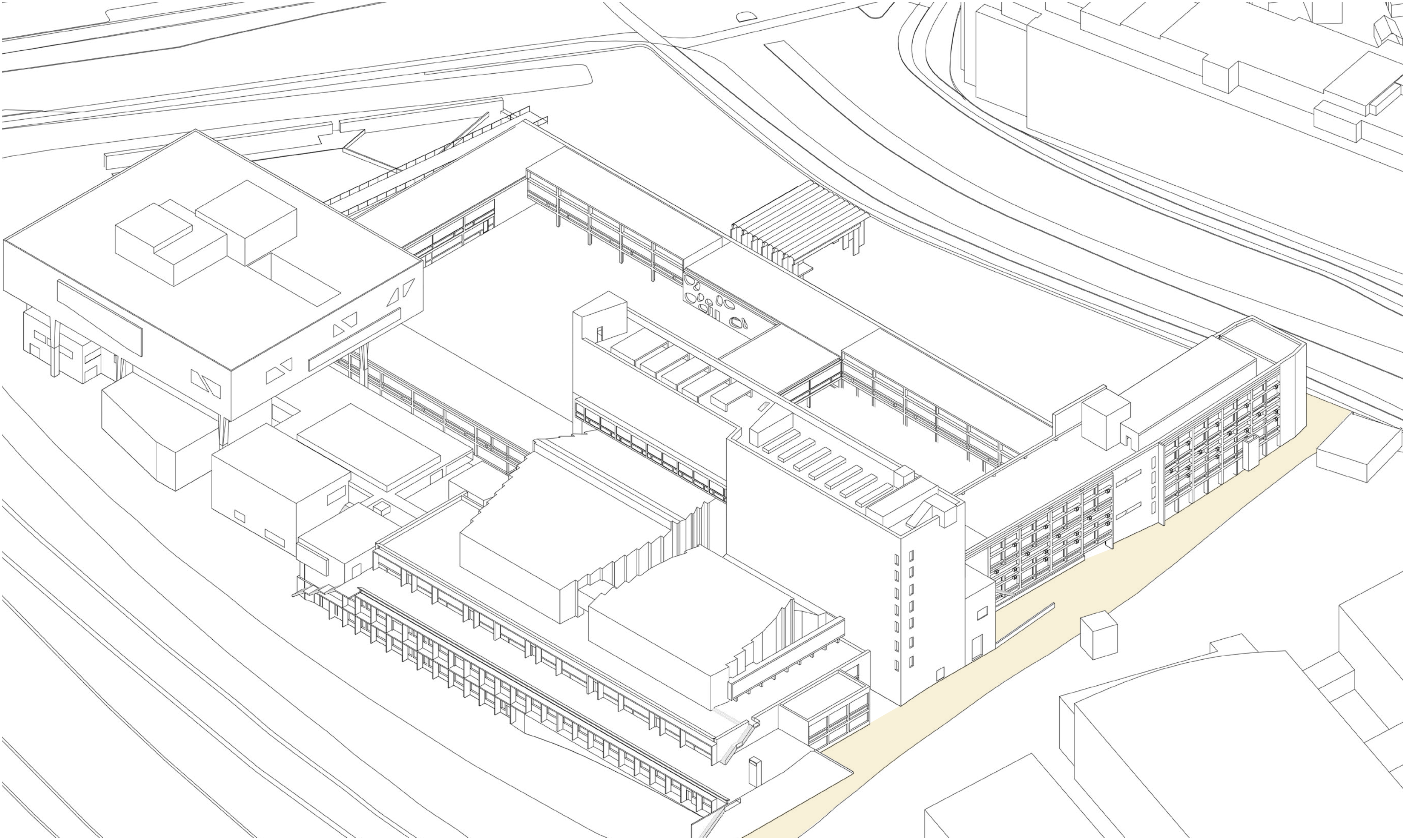
Romain Touron



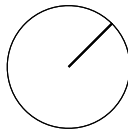
Interiors, Buildings, Cities - P5



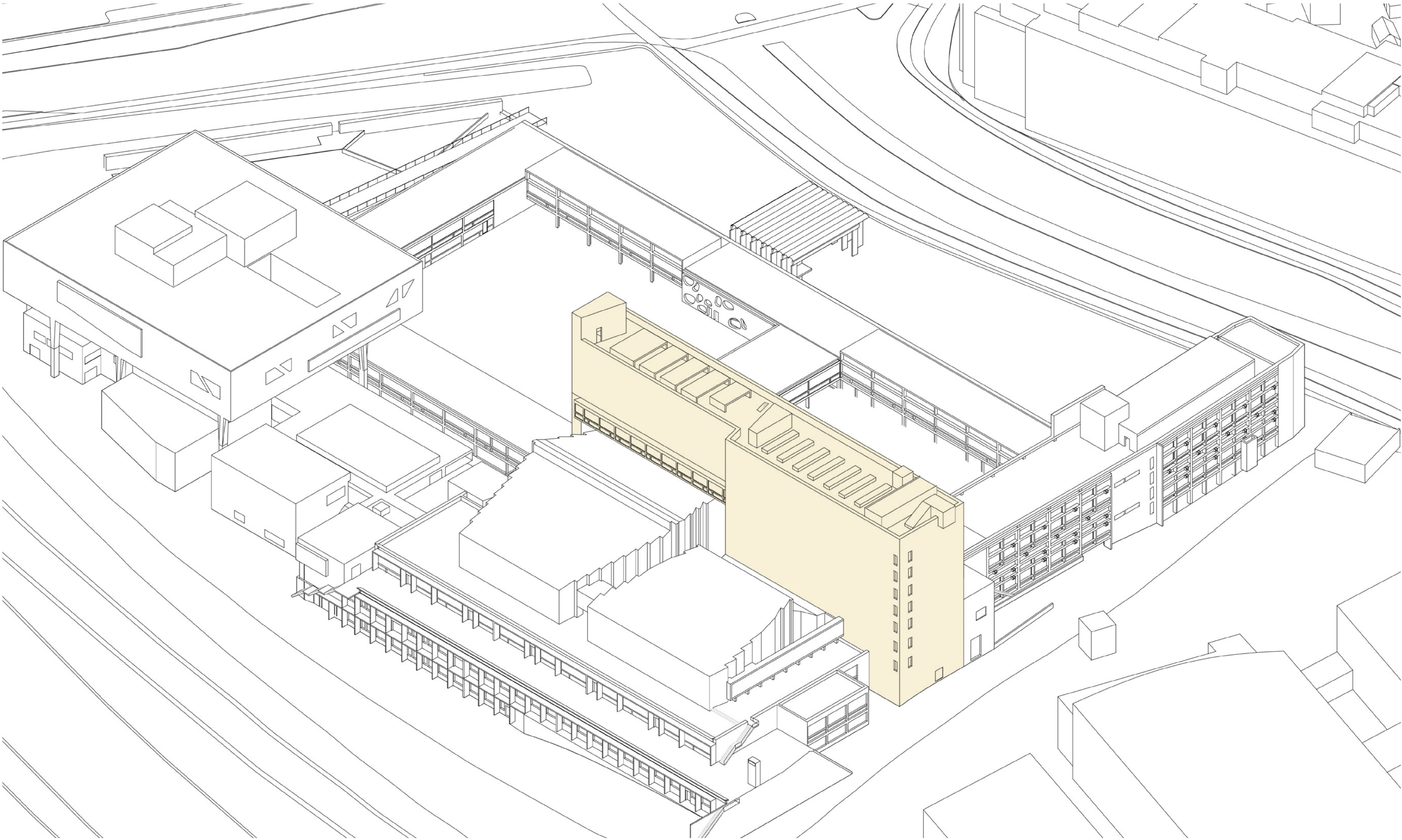
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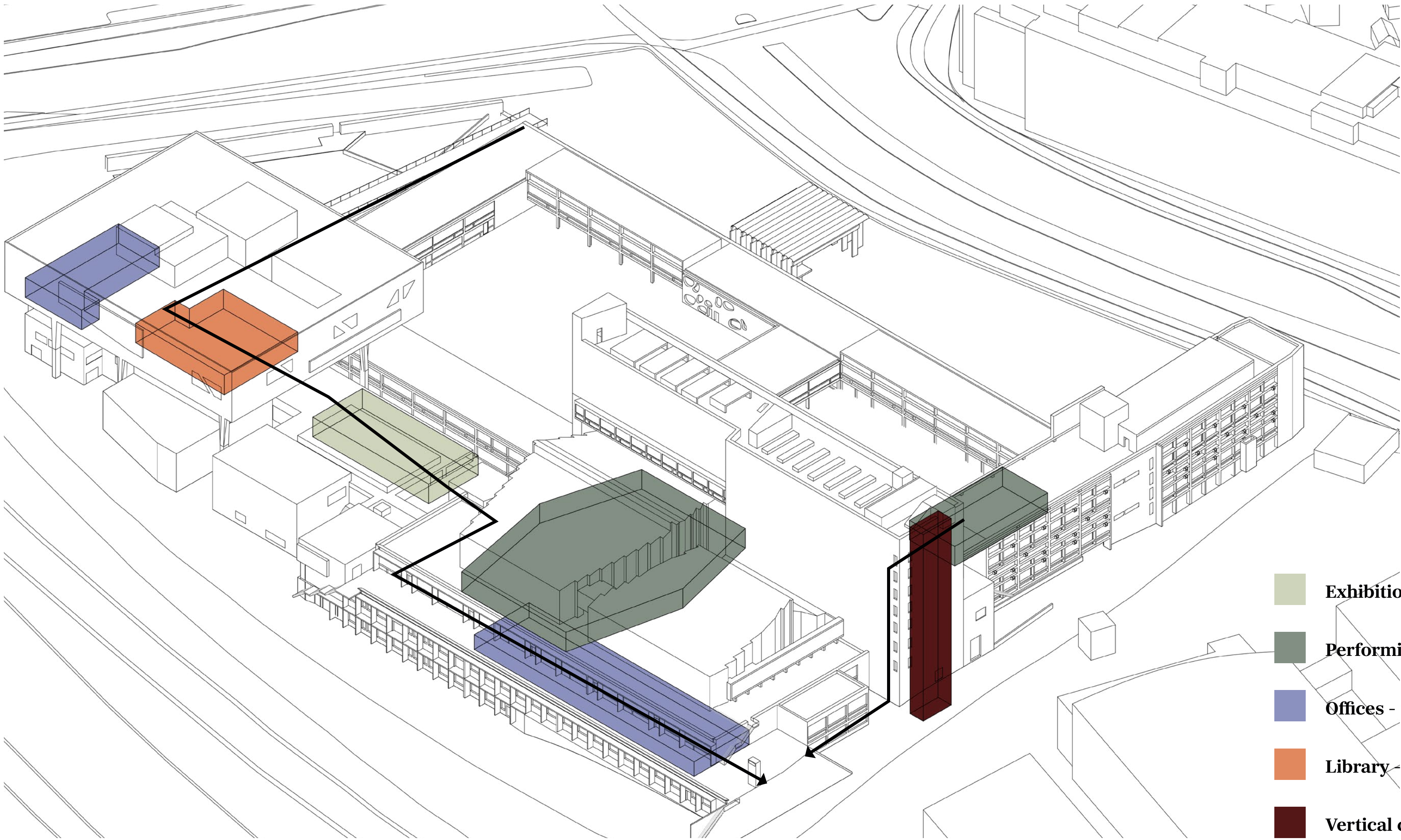
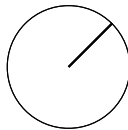


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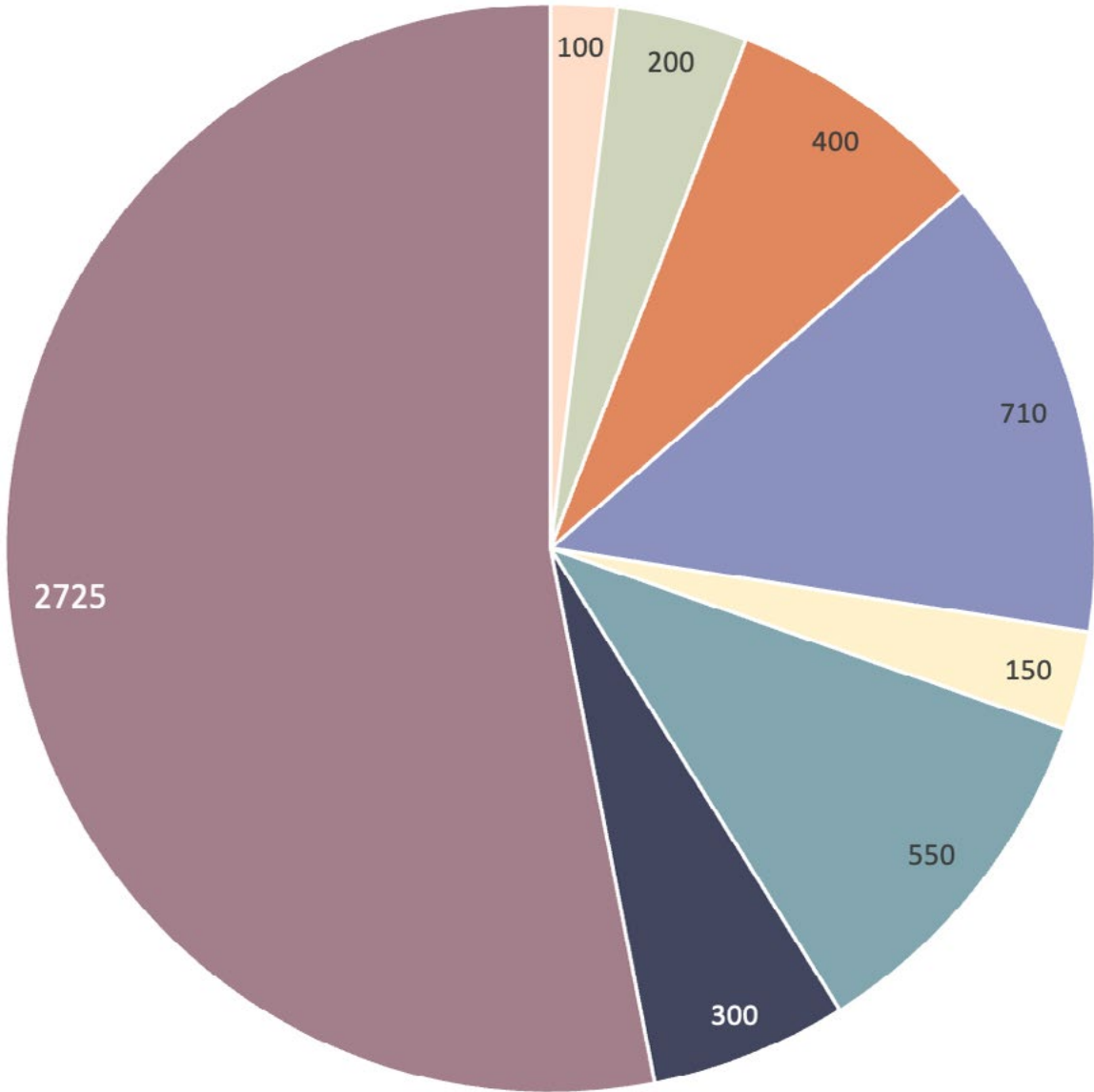


-  **Exhibition - 319 sqm**
-  **Performing - 1000 sqm**
-  **Offices - 780 sqm**
-  **Library - 358 sqm**
-  **Vertical circulation**

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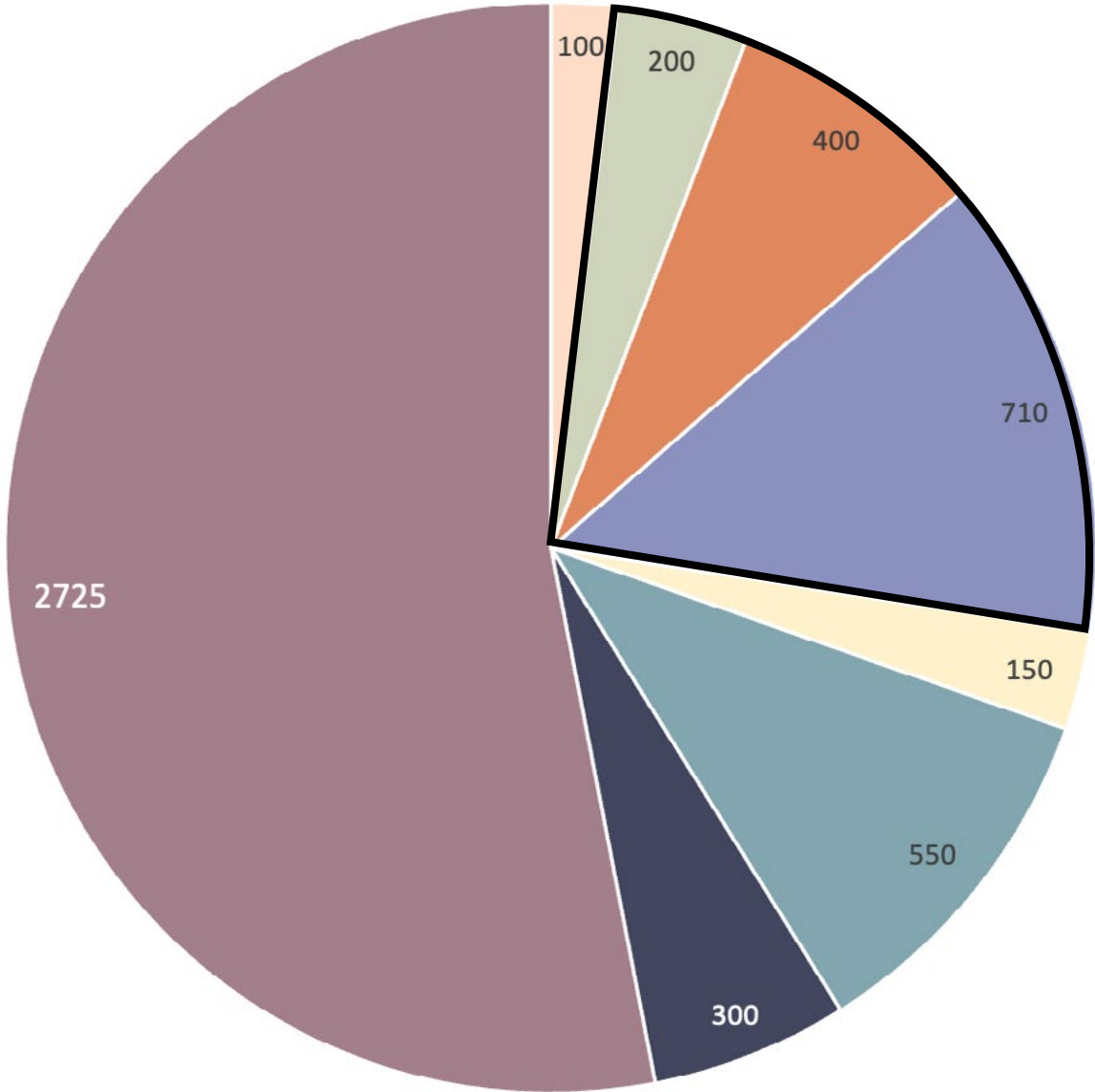
- archive depot
- care facilities
- logistics
- kitchen/bathroom
- offices
- library/reading room
- exhibition space
- reception/counter

TOTAL : 5 135 sqm



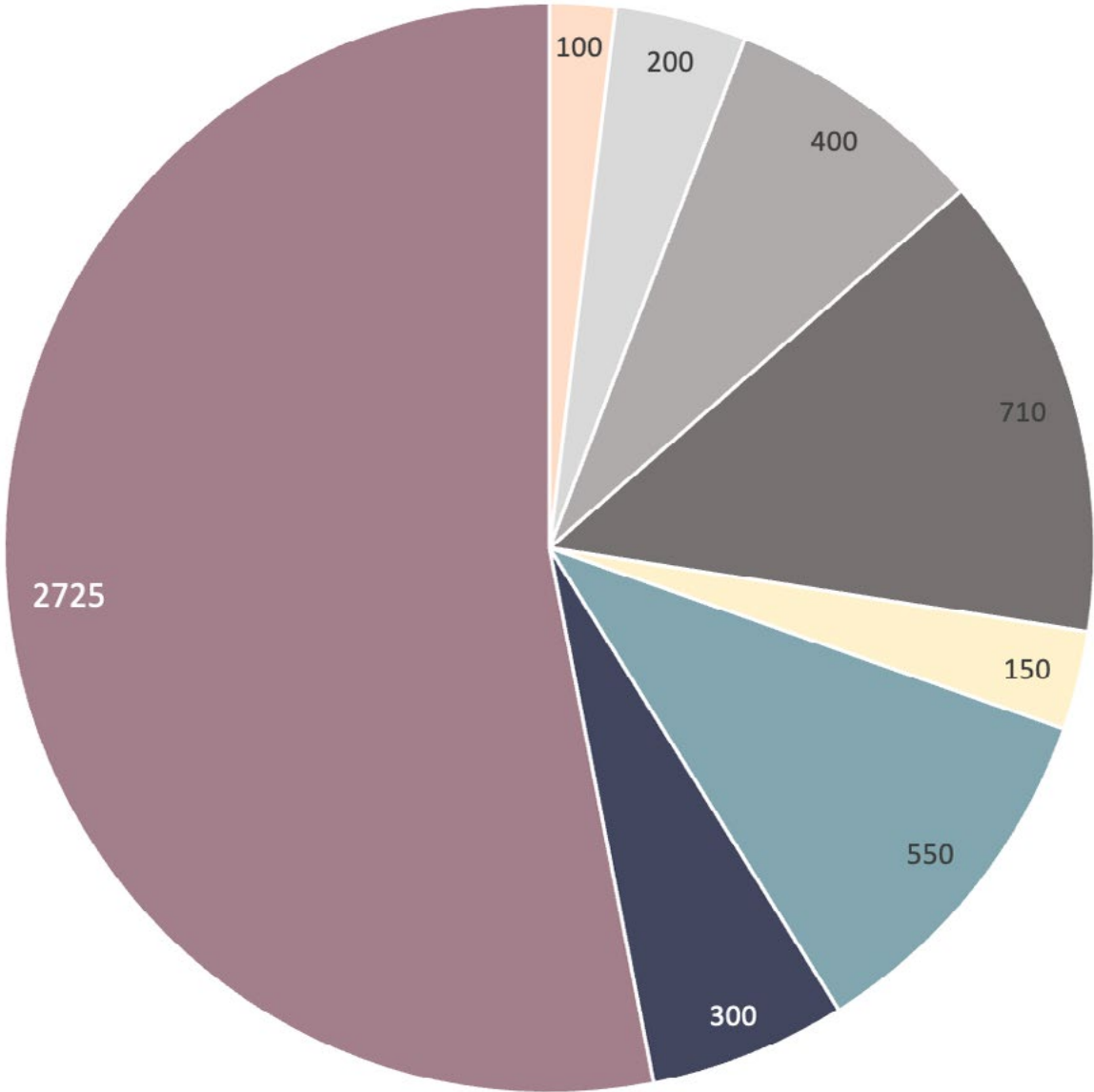
- archive depot
- care facilities
- logistics
- kitchen/bathroom
- offices
- library/reading room
- exhibition space
- reception/counter

TOTAL : 5 135 sqm





TOTAL : 3 825 sqm

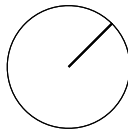


Romain Touron

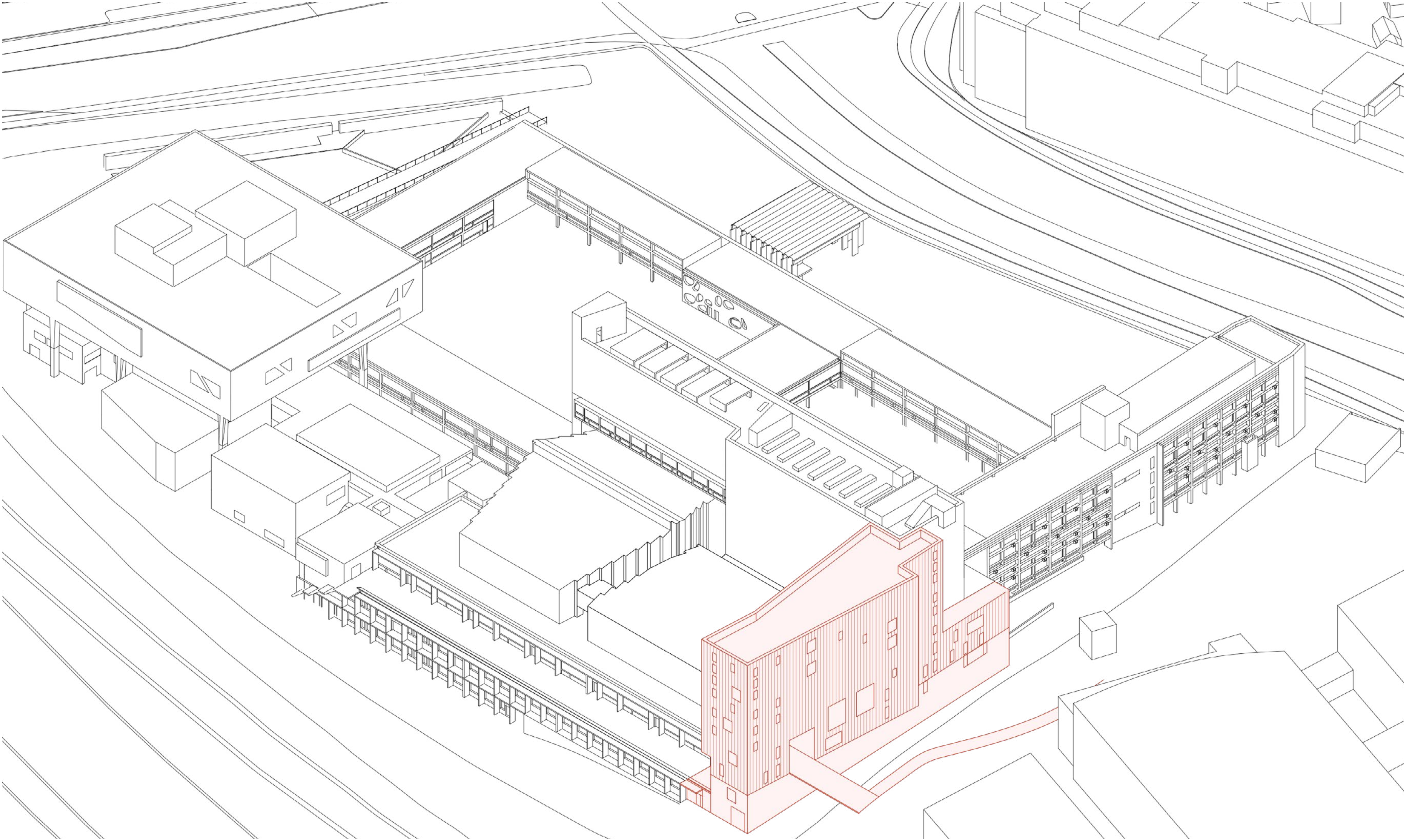


Interiors, Buildings, Cities - P5

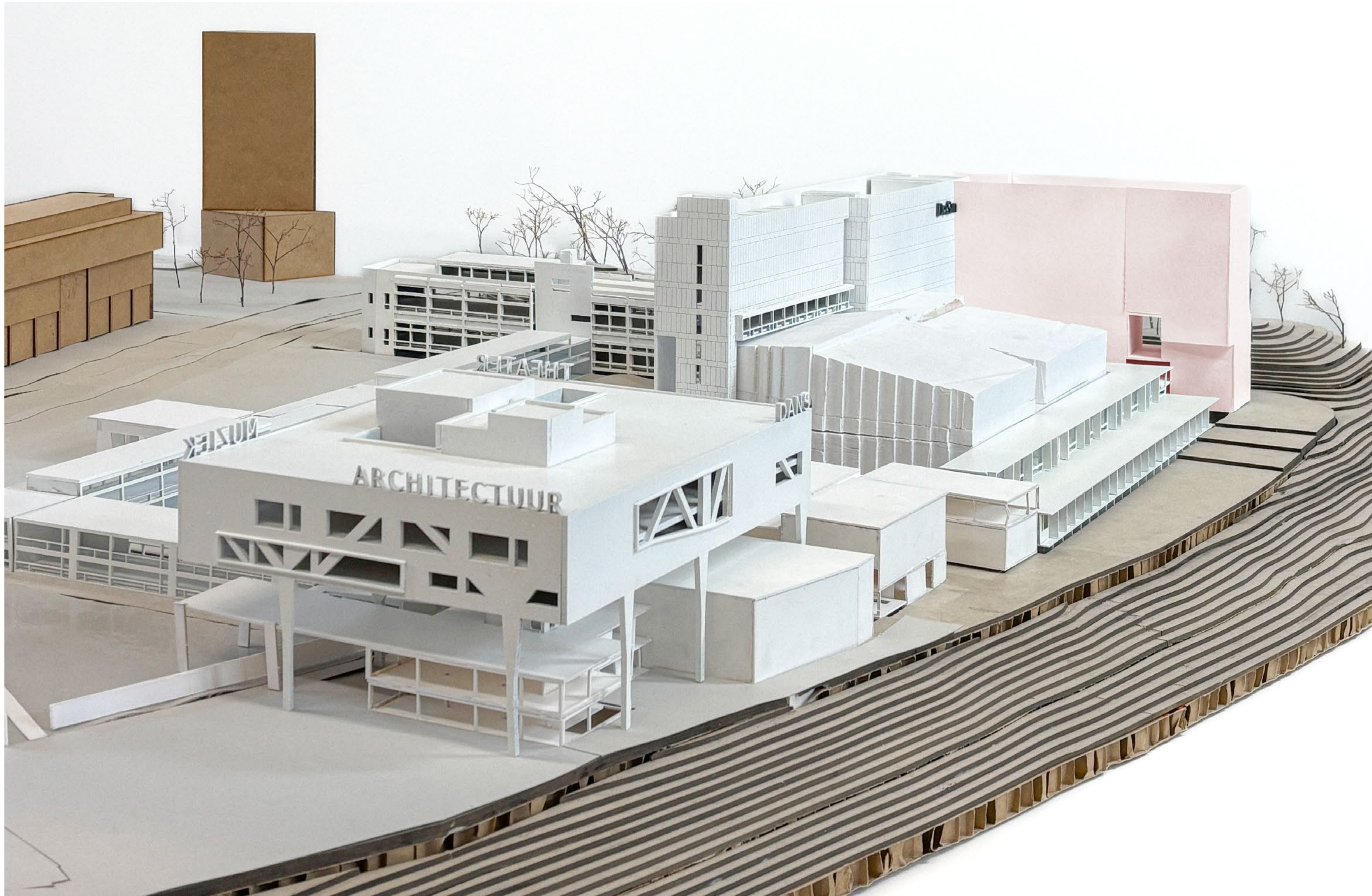
Concept Model for the extension



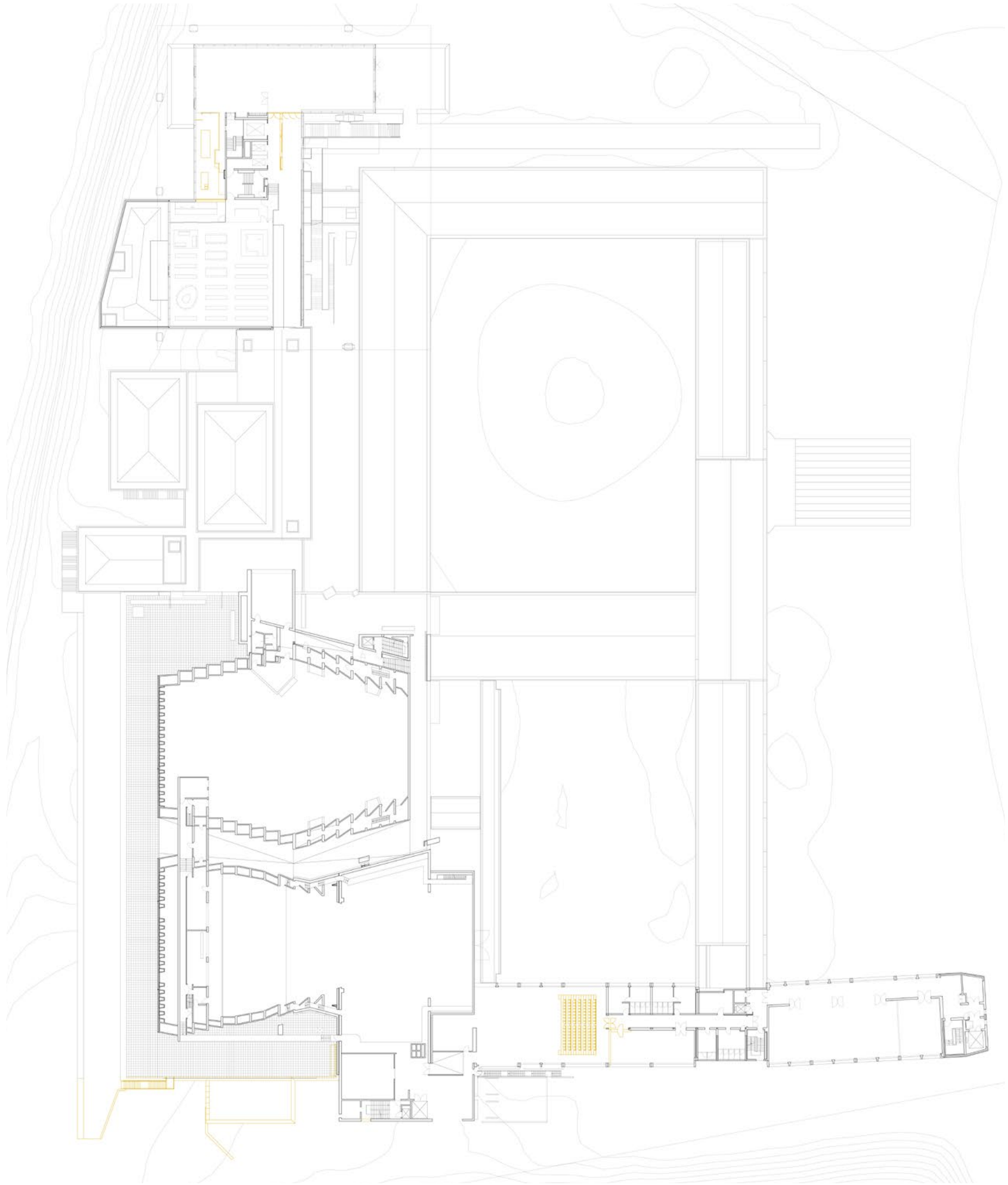
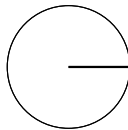
Romain Touron



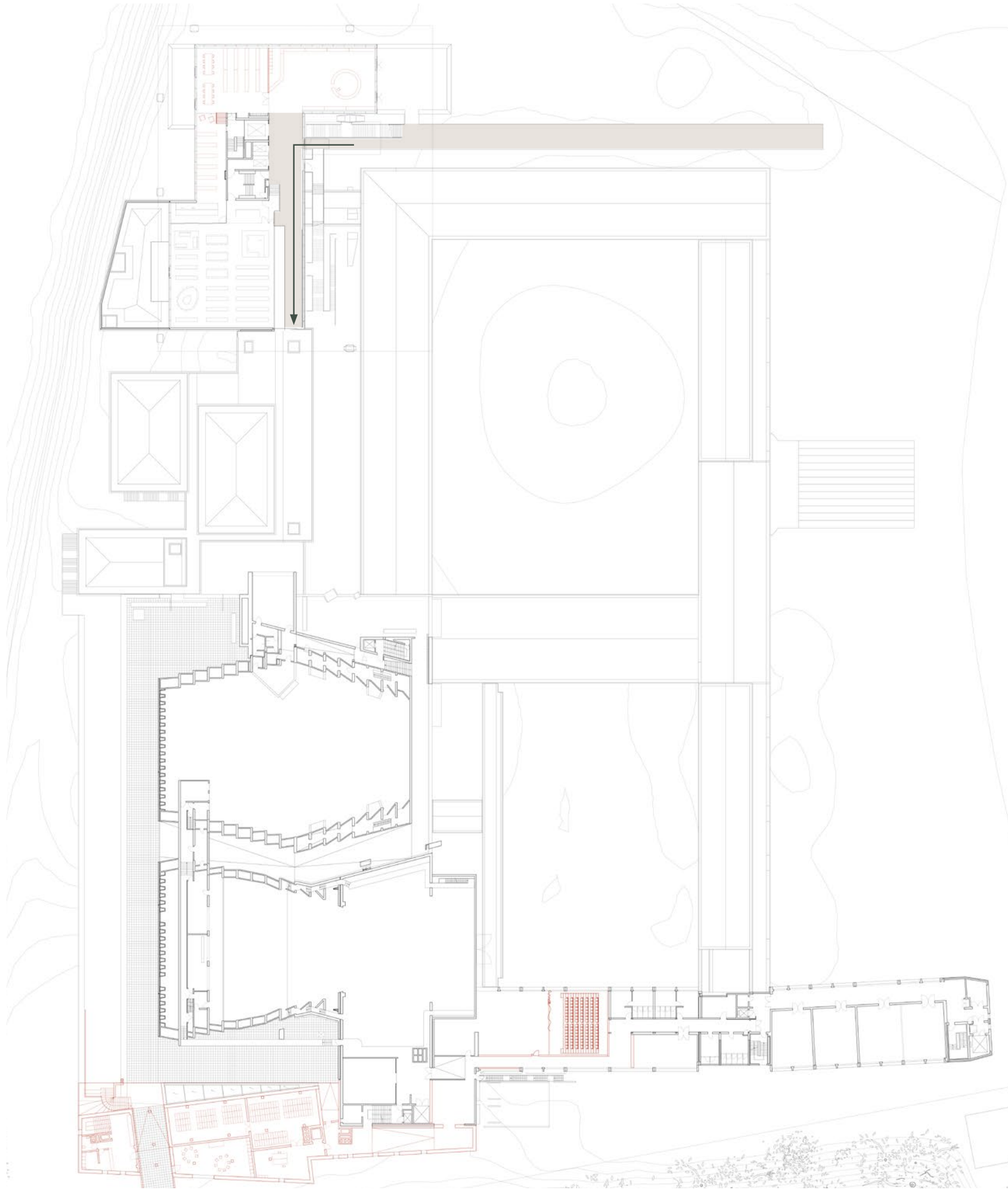
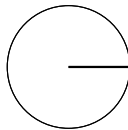
A New volume of 5 560 sqm



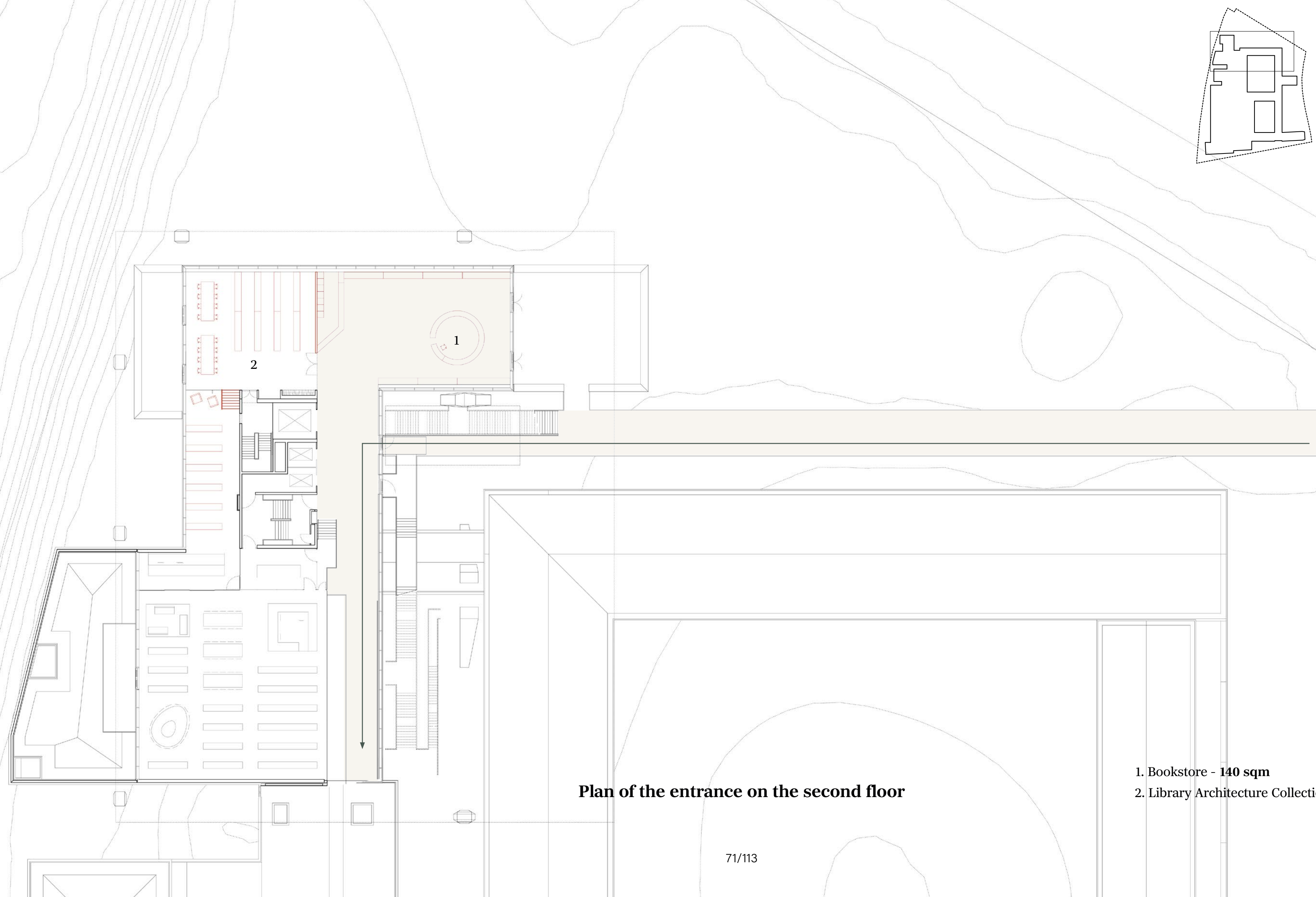
1:200 model of deSingel with the extension



Plan of the second floor



Plan of the second floor with addition and a new entrance



Plan of the entrance on the second floor

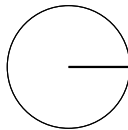
- 1. Bookstore - **140 sqm**
- 2. Library Architecture Collection - **230 sqm**

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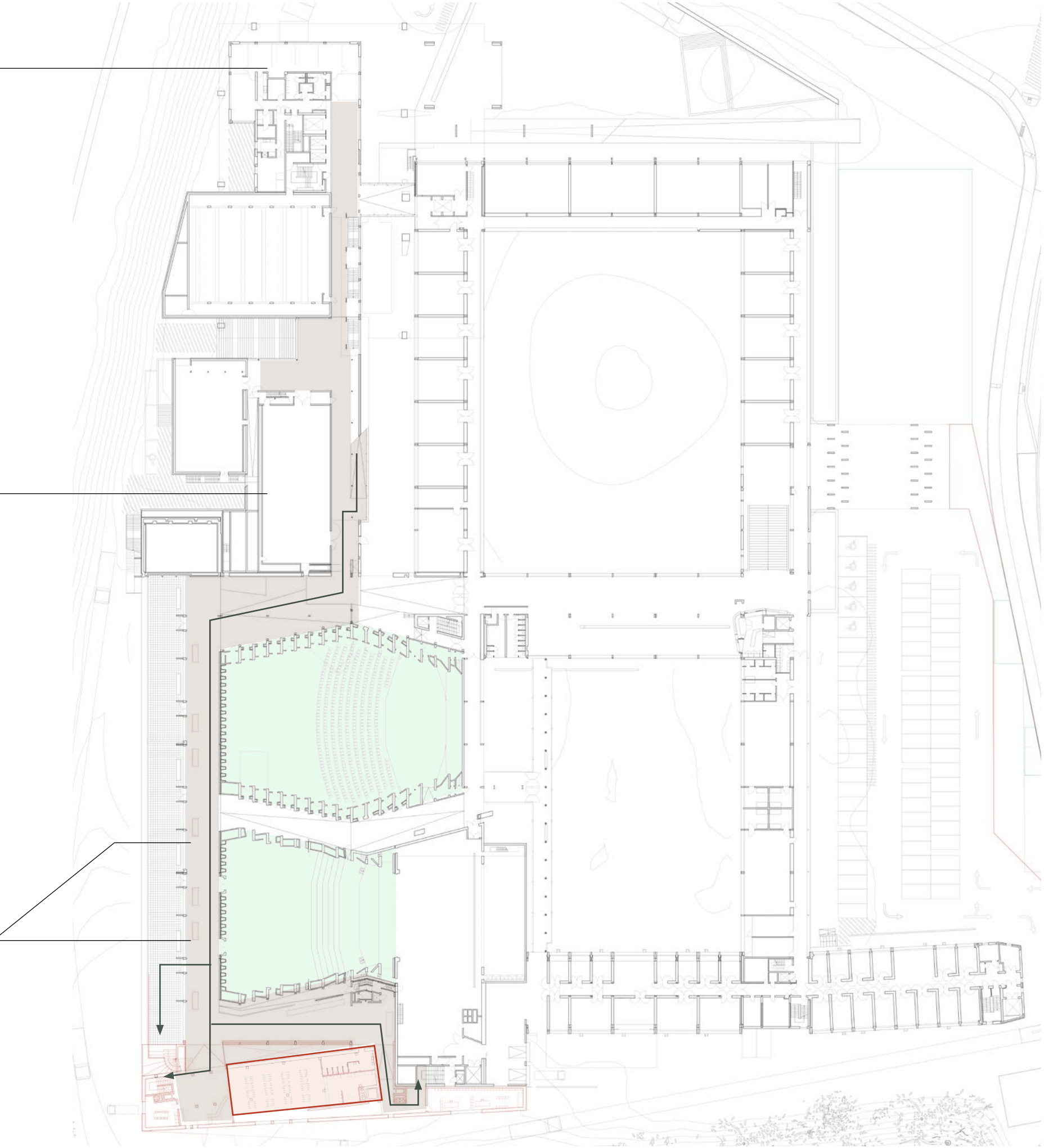
Impression of the new entrance hall



Offices of the VAI

Shared Exhibition Space

«Unfolding the Archive»



Plan of the first floor: A new crossroad

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Impression of the exhibition corridor

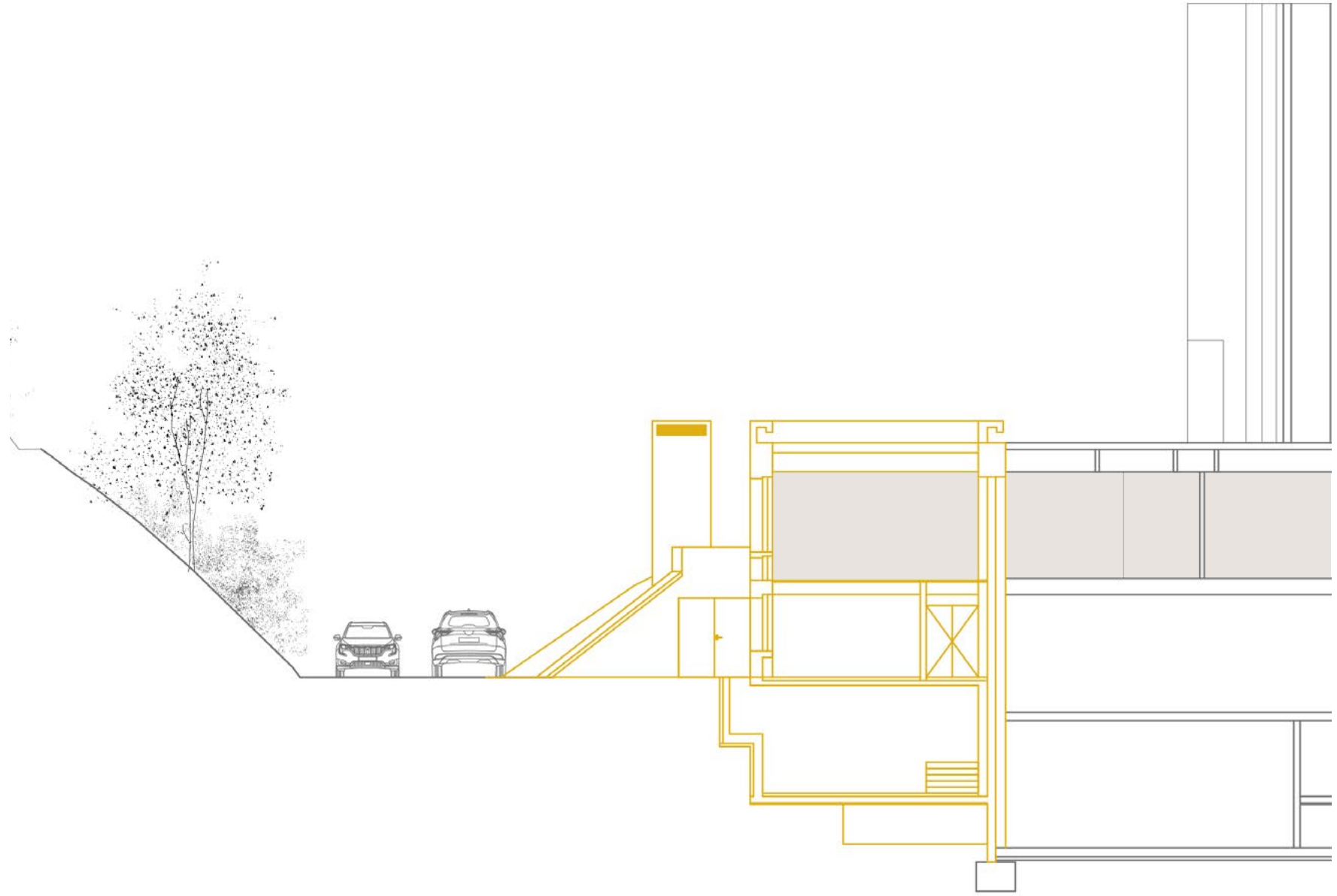
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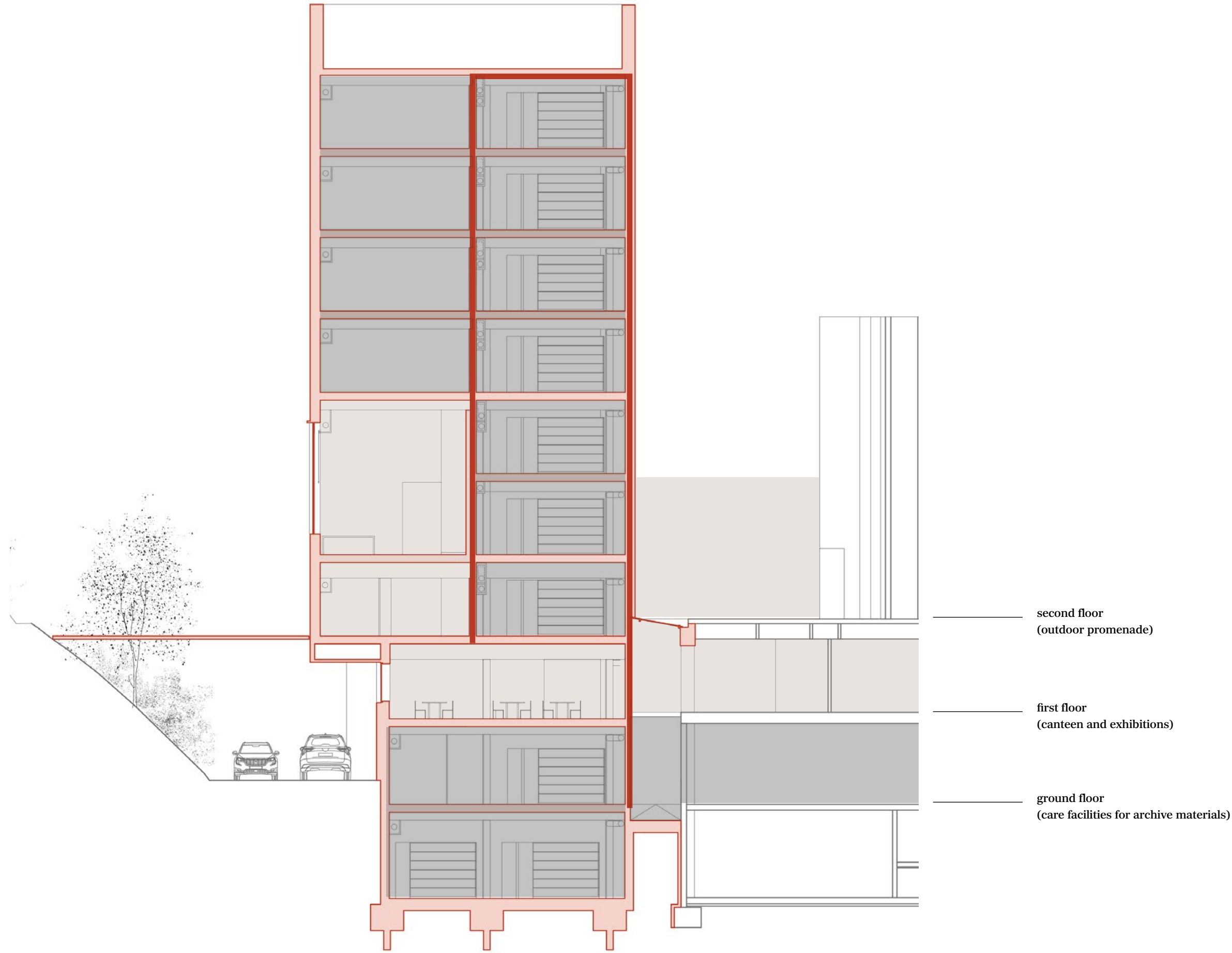
An indoor to outdoor reflective «promenade»

- public routing
- archive/depot



Section before addition

-  new third core
-  public routing
-  archive/depot

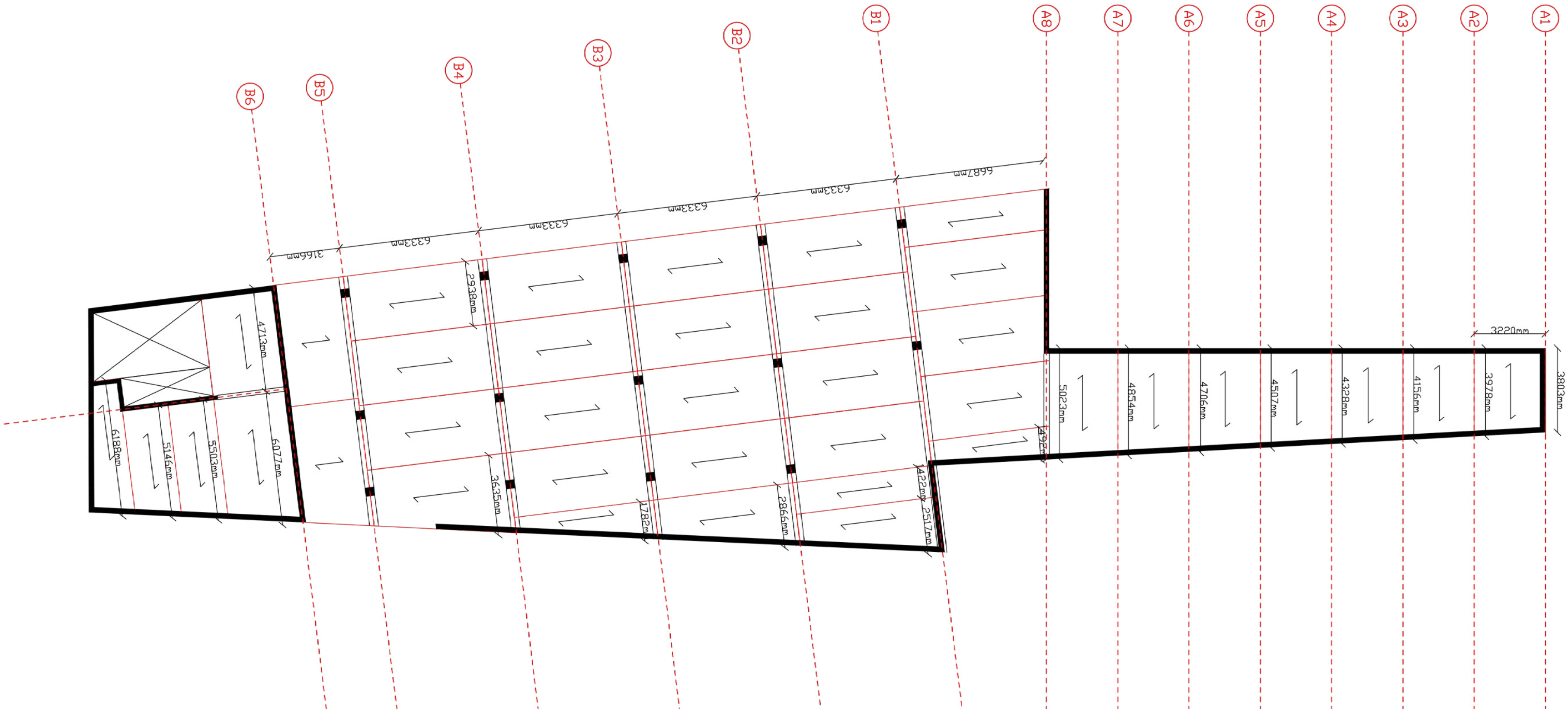
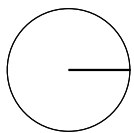


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Interiors, Buildings, Cities - P5

Impression of the lightwell



Structural plan of the second floor of the extension

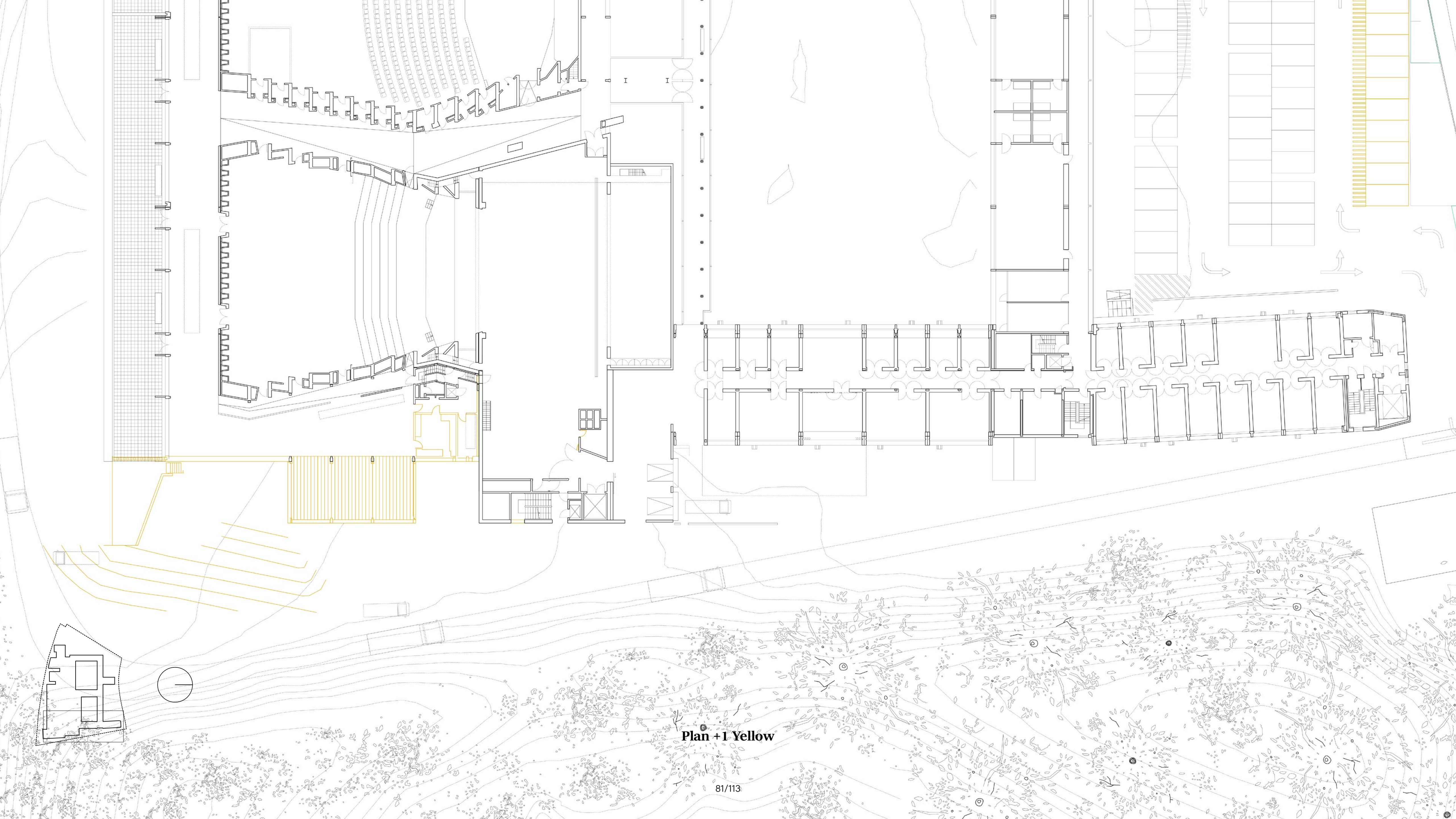
light earth depot
(non structural)

linear structure
in concrete

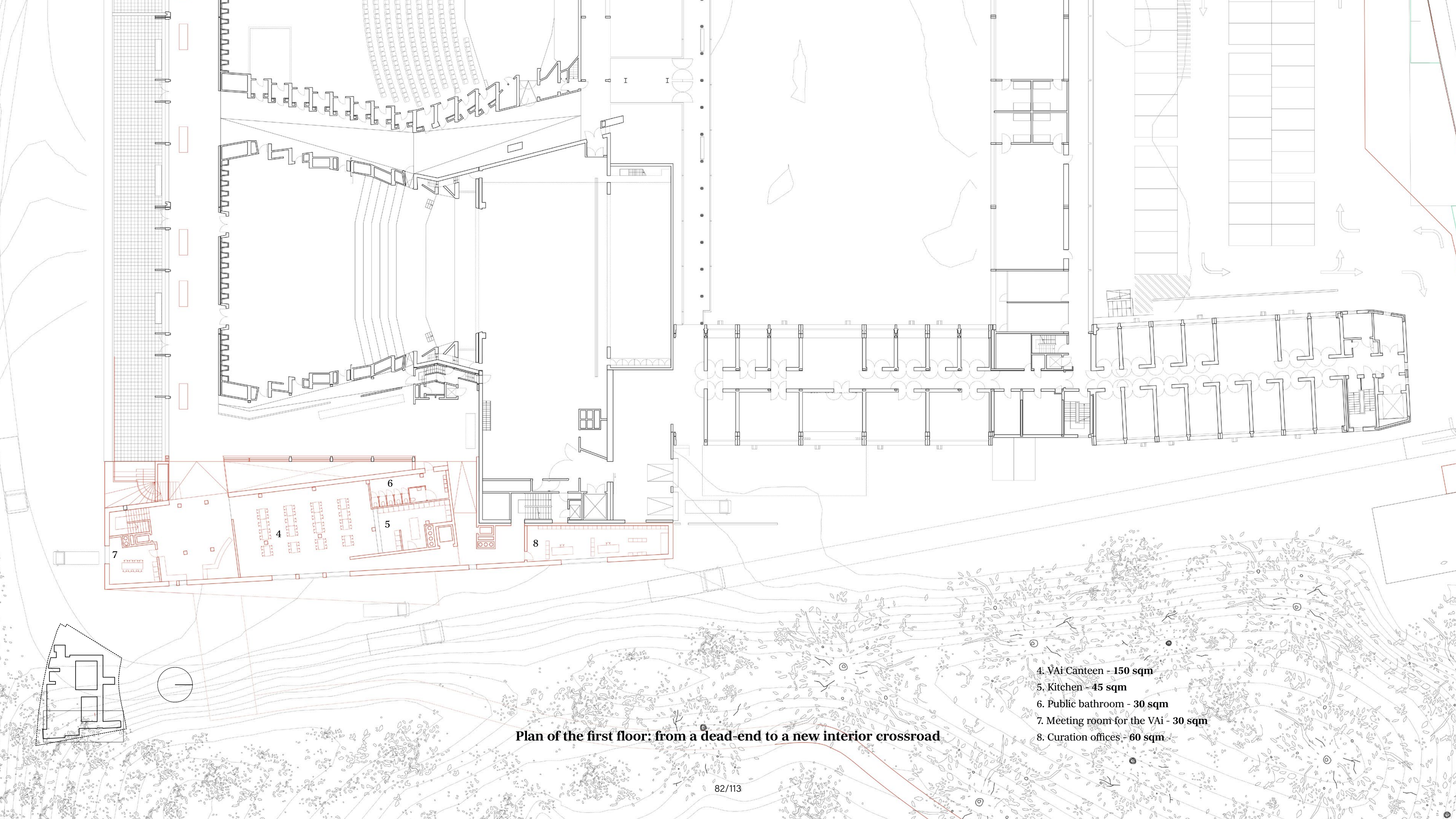
planar structure
in concrete

planar structure
in concrete

A hybrid architecture

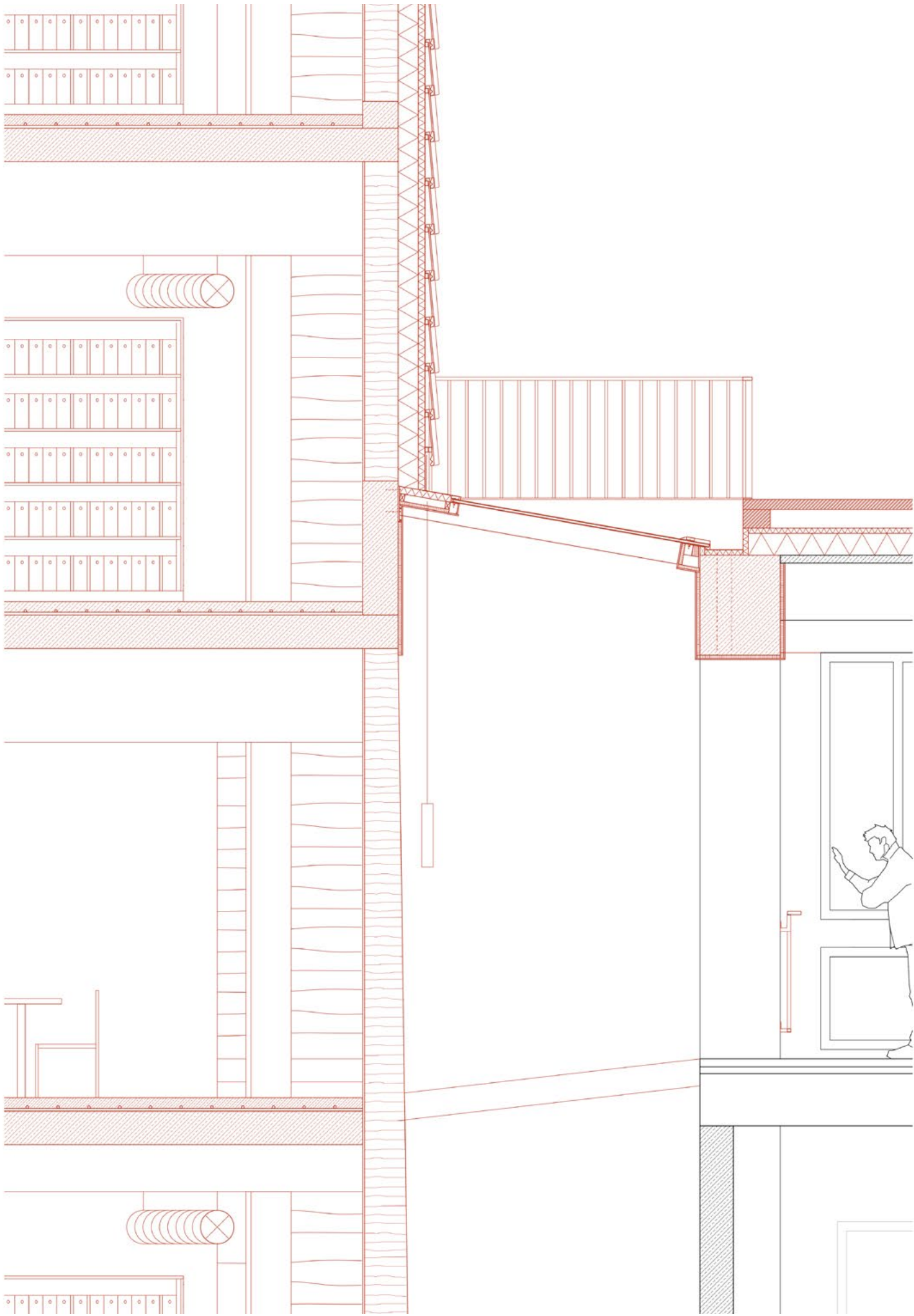


Plan + 1 Yellow

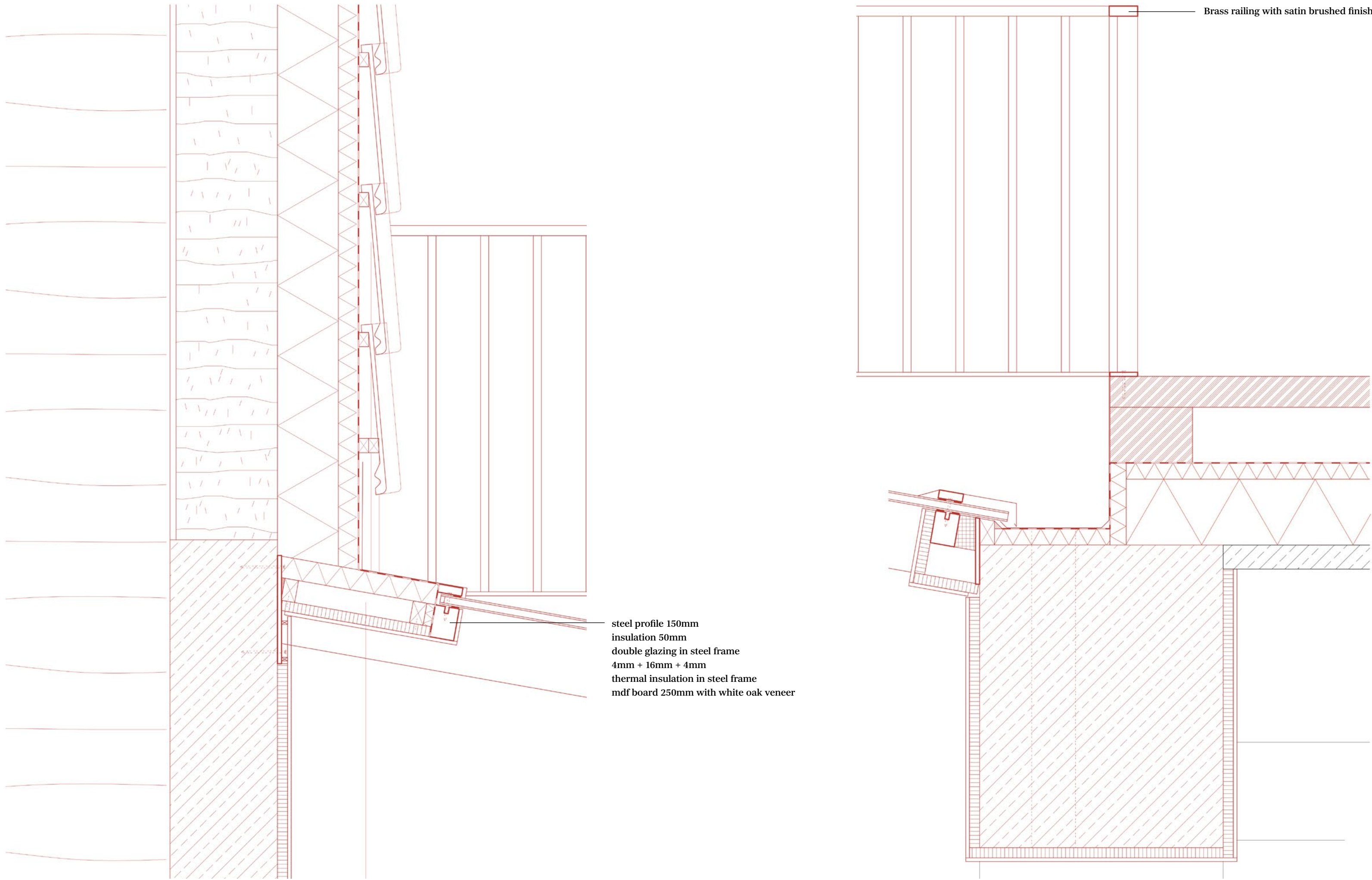


Plan of the first floor: from a dead-end to a new interior crossroad

- 4. VAI Canteen - 150 sqm
- 5. Kitchen - 45 sqm
- 6. Public bathroom - 30 sqm
- 7. Meeting room for the VAI - 30 sqm
- 8. Curation offices - 60 sqm



1:20 Fragment in the lightwell between the old and new structure



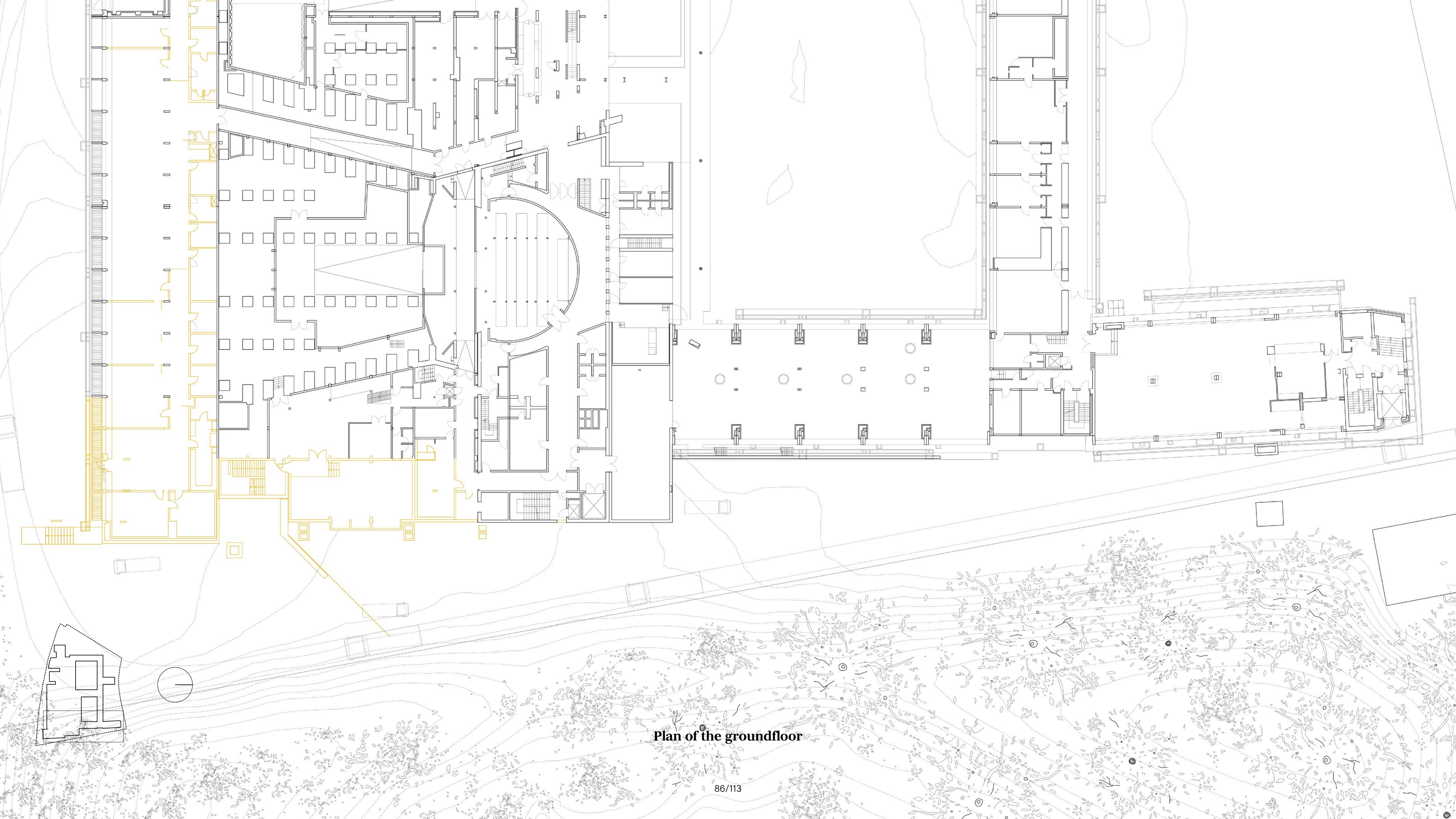
the space in-between: the detaillng of the skylight

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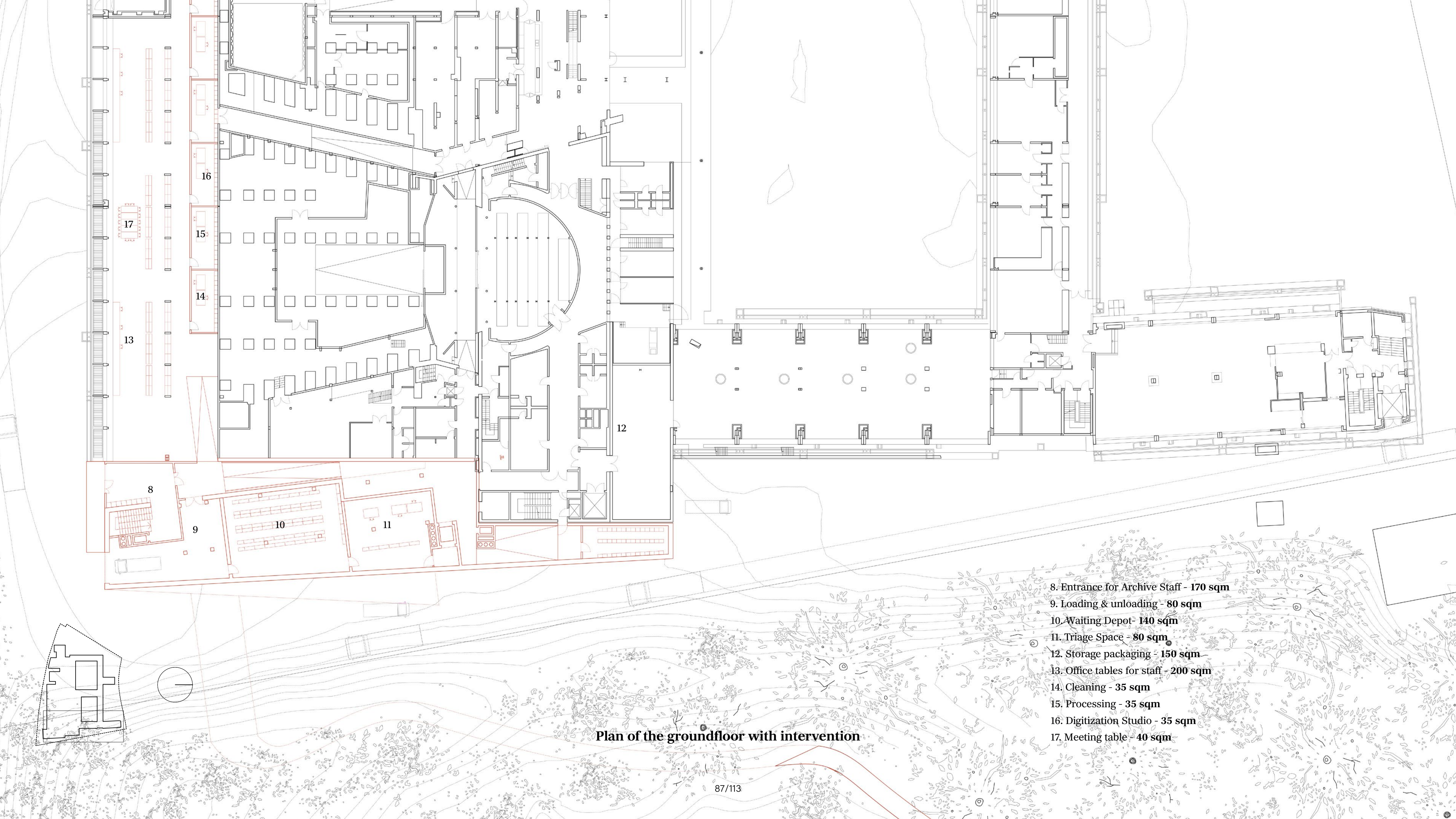


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Impression of the gap between the two structures

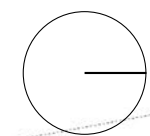
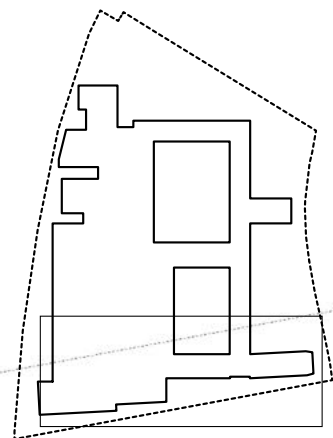
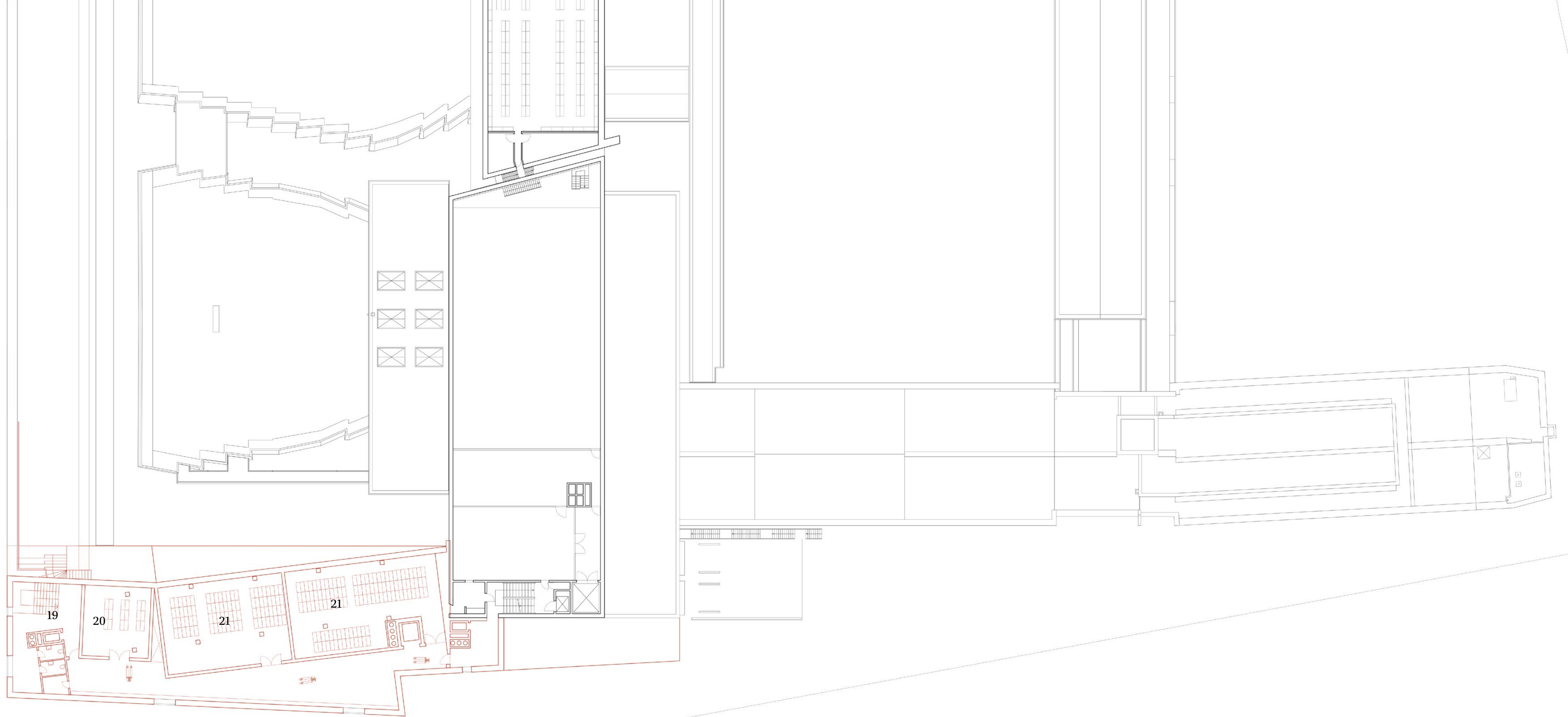


Plan of the groundfloor



Plan of the groundfloor with intervention

- 8. Entrance for Archive Staff - 170 sqm
- 9. Loading & unloading - 80 sqm
- 10. Waiting Depot- 140 sqm
- 11. Triage Space - 80 sqm
- 12. Storage packaging - 150 sqm
- 13. Office tables for staff - 200 sqm
- 14. Cleaning - 35 sqm
- 15. Processing - 35 sqm
- 16. Digitization Studio - 35 sqm
- 17. Meeting table - 40 sqm



Plan of the fifth floor, inside the depot

- 19. Buffer zone - **30 sqm**
- 20. Climate Class photo storage - **50 sqm**
- 21. Storage depot- **240 sqm**

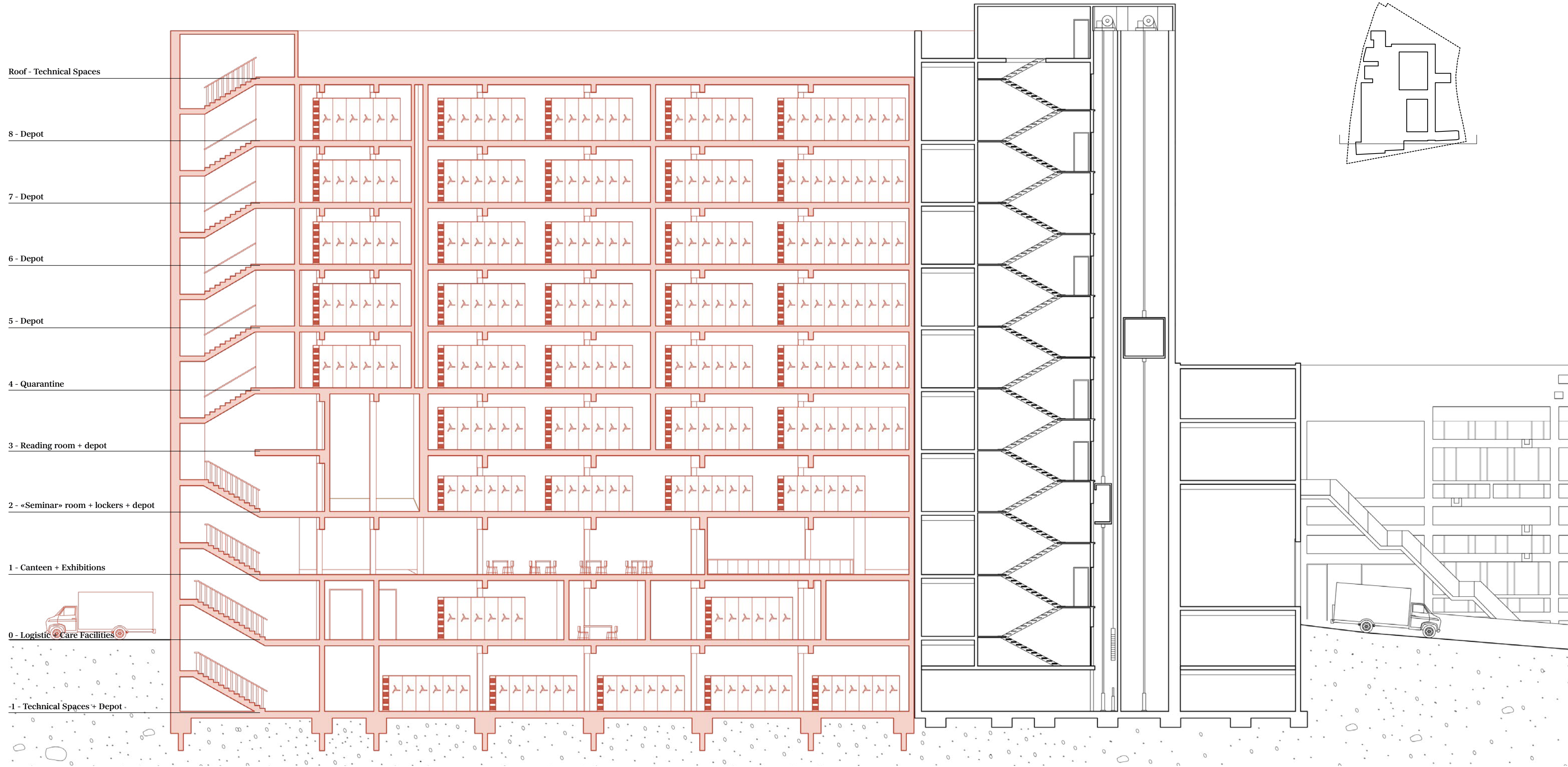
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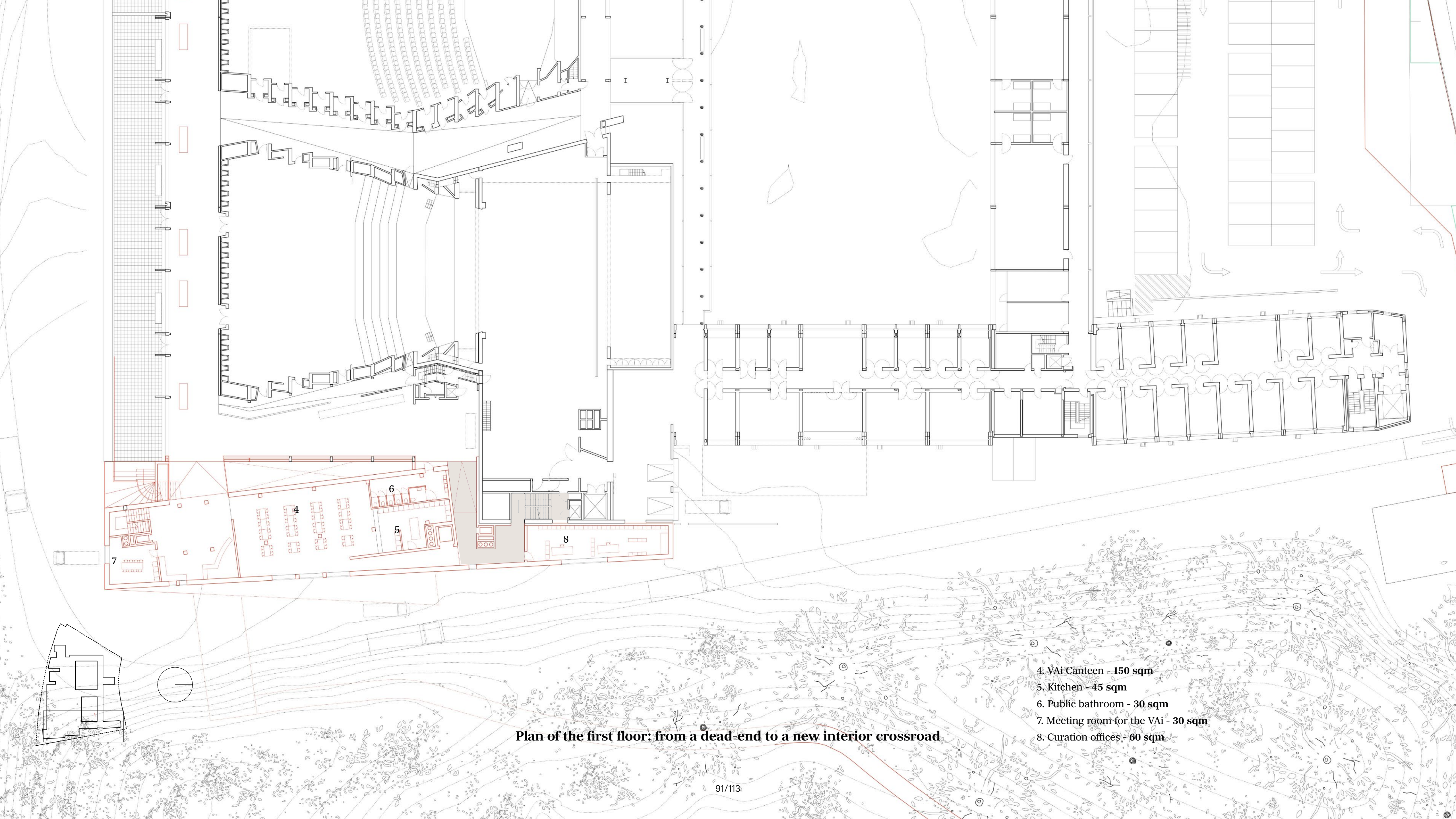
Impression of the fifth floor

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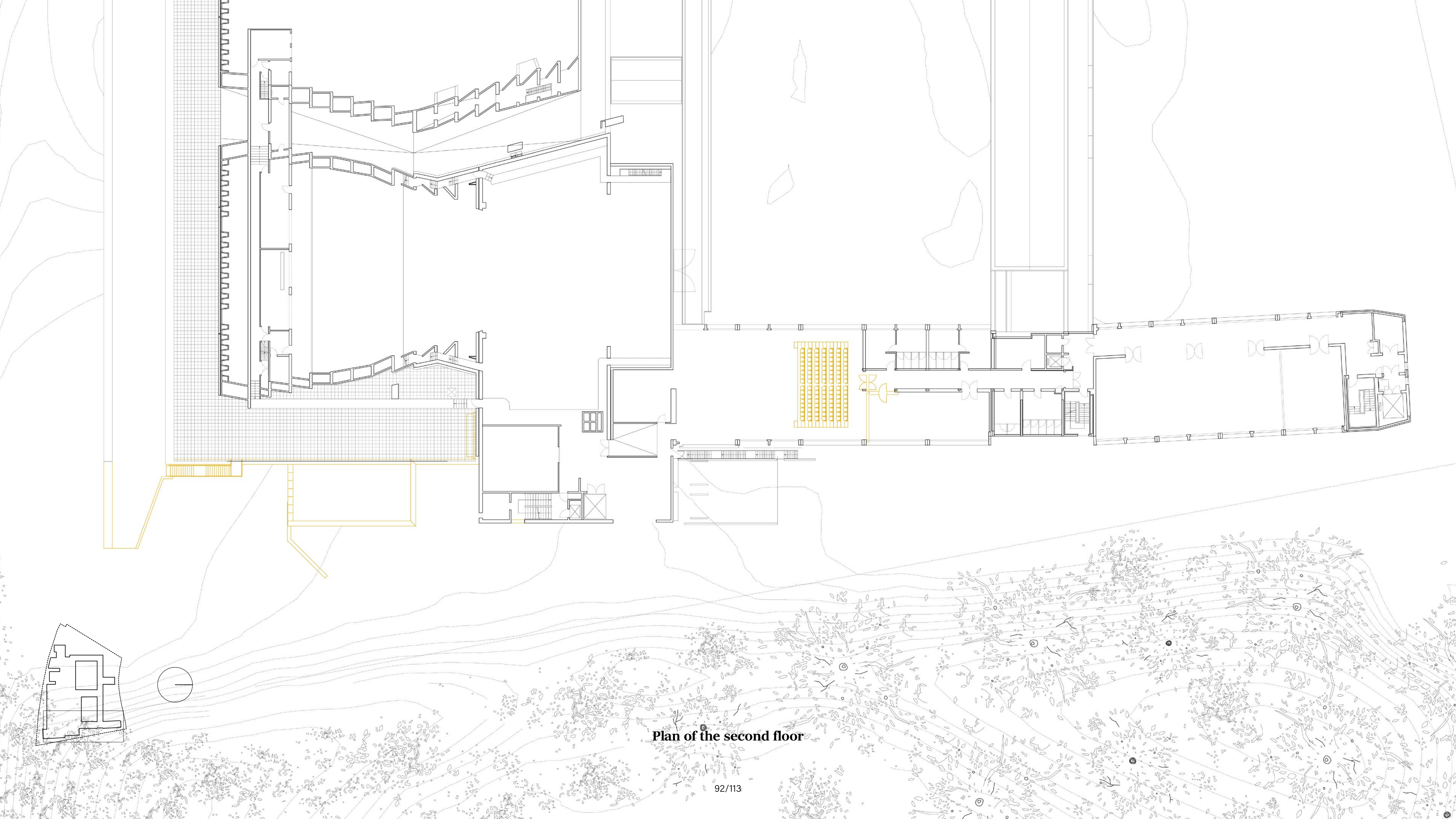
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Section of my addition to understand that the floors align with the staircase of the flytower

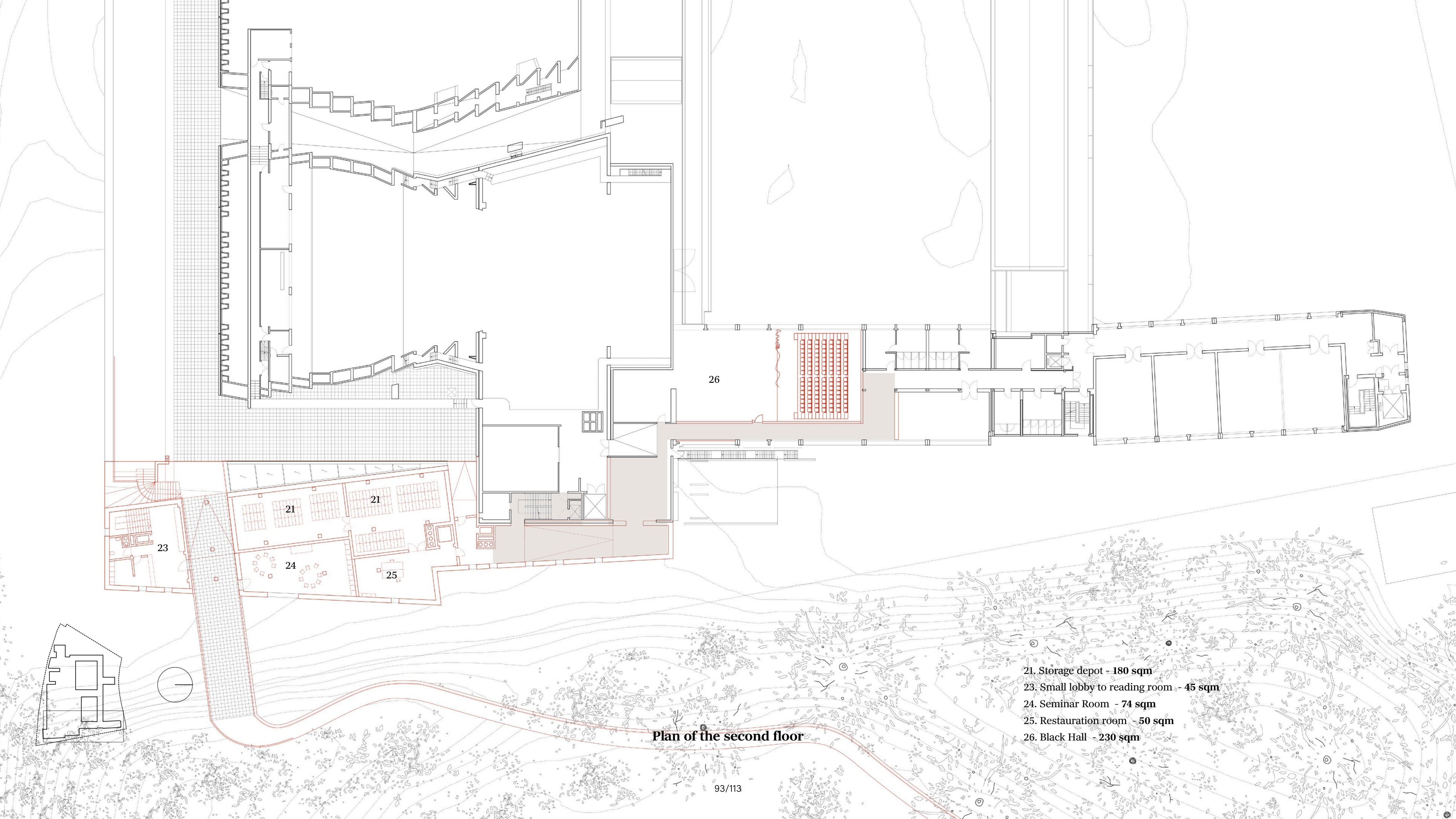


Plan of the first floor: from a dead-end to a new interior crossroad

- 4. VAI Canteen - 150 sqm
- 5. Kitchen - 45 sqm
- 6. Public bathroom - 30 sqm
- 7. Meeting room for the VAI - 30 sqm
- 8. Curation offices - 60 sqm



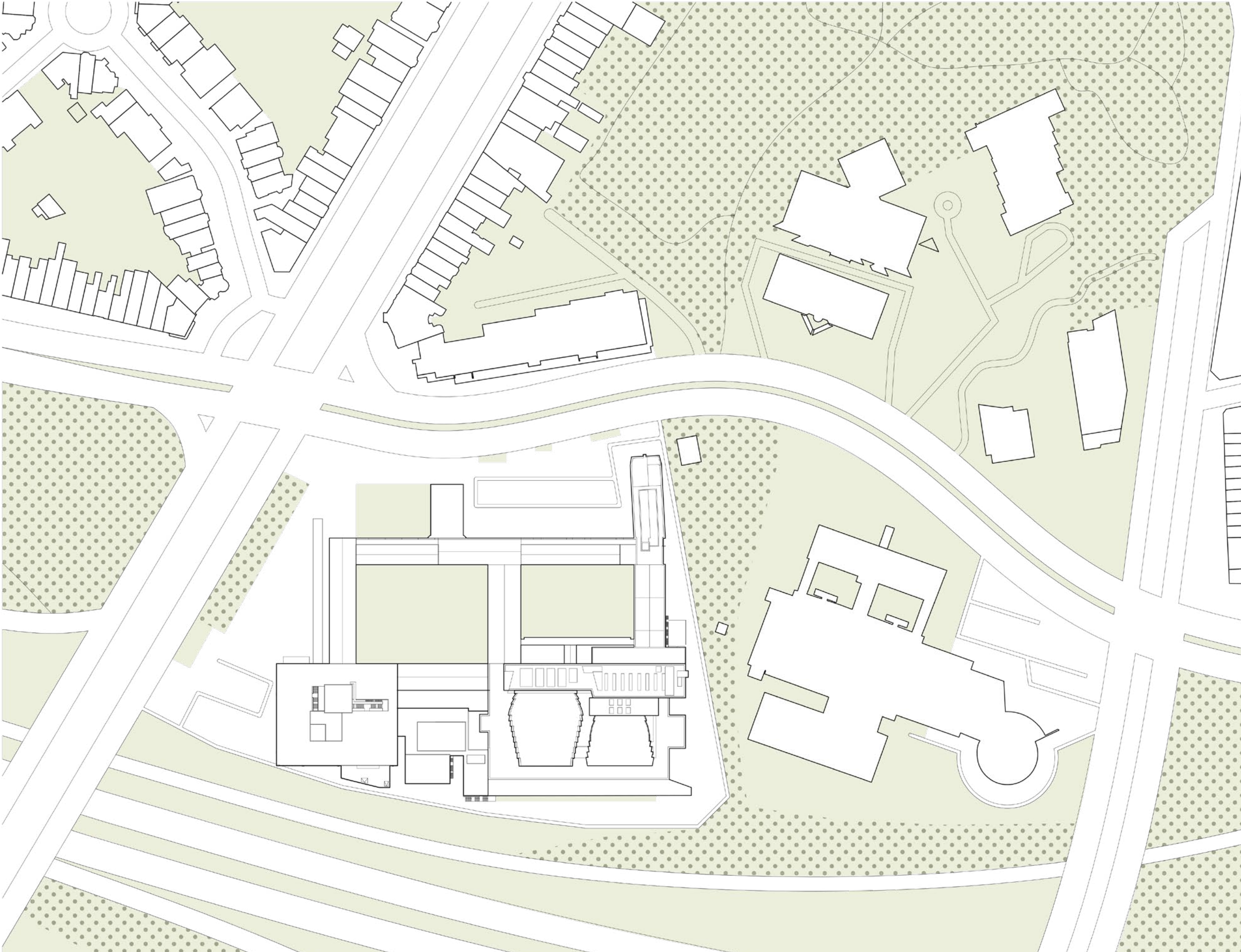
Plan of the second floor



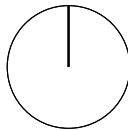
Plan of the second floor

- 21. Storage depot - 180 sqm
- 23. Small lobby to reading room - 45 sqm
- 24. Seminar Room - 74 sqm
- 25. Restauration room - 50 sqm
- 26. Black Hall - 230 sqm

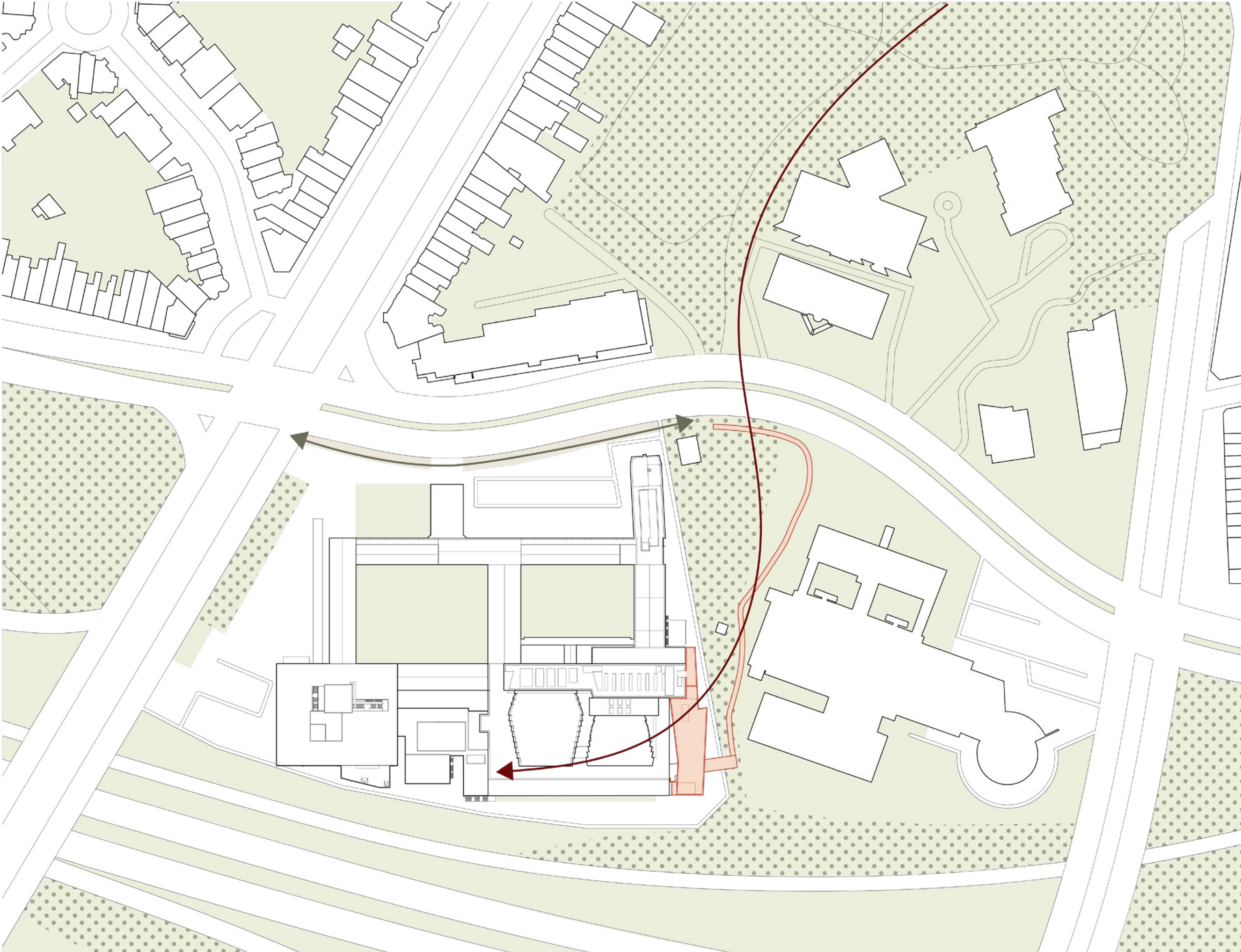
- green areas
- high tree density



Situation plan of deSingel



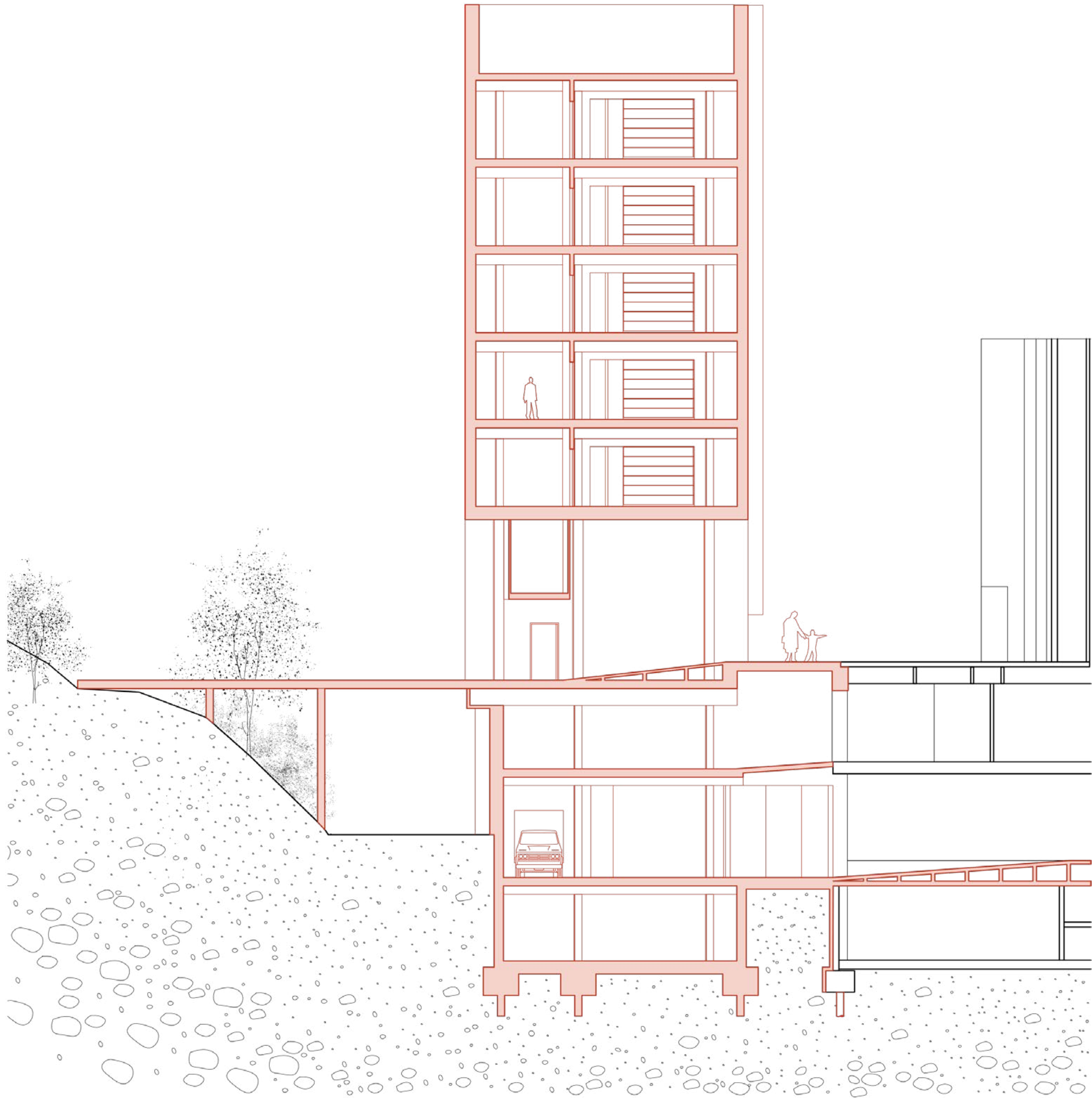
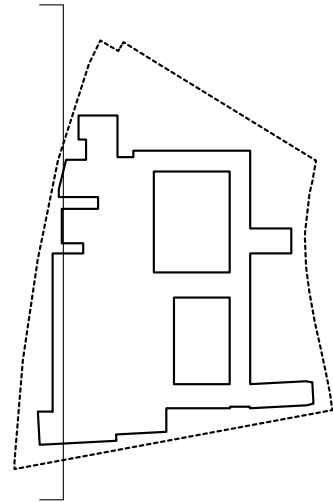
- green areas
- high tree density
- new green front
- new linear park



Situation plan after the intervention



The current condition versus the landscape proposal



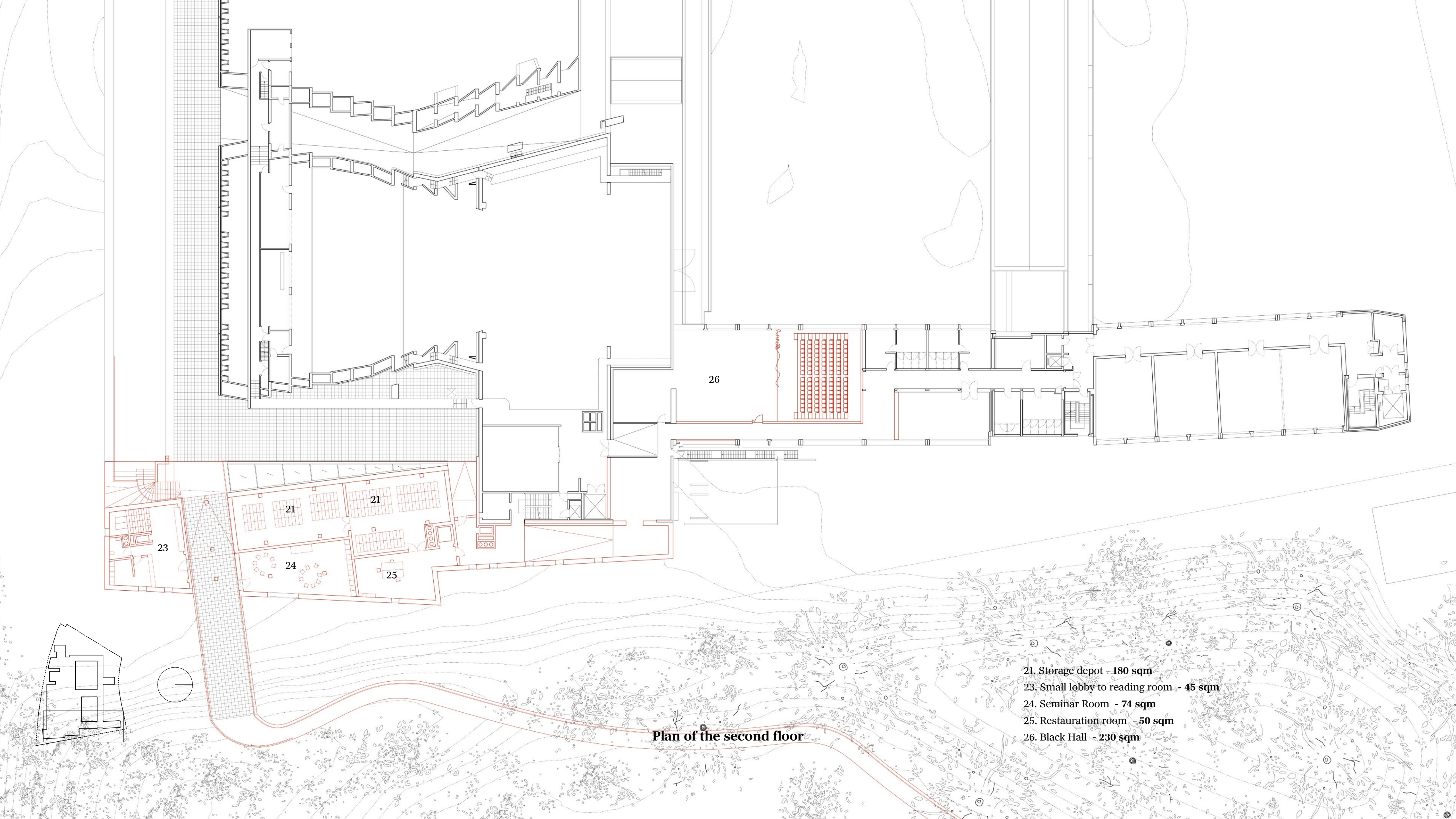
Cutsection in the bridge connecting the mound with the terraces

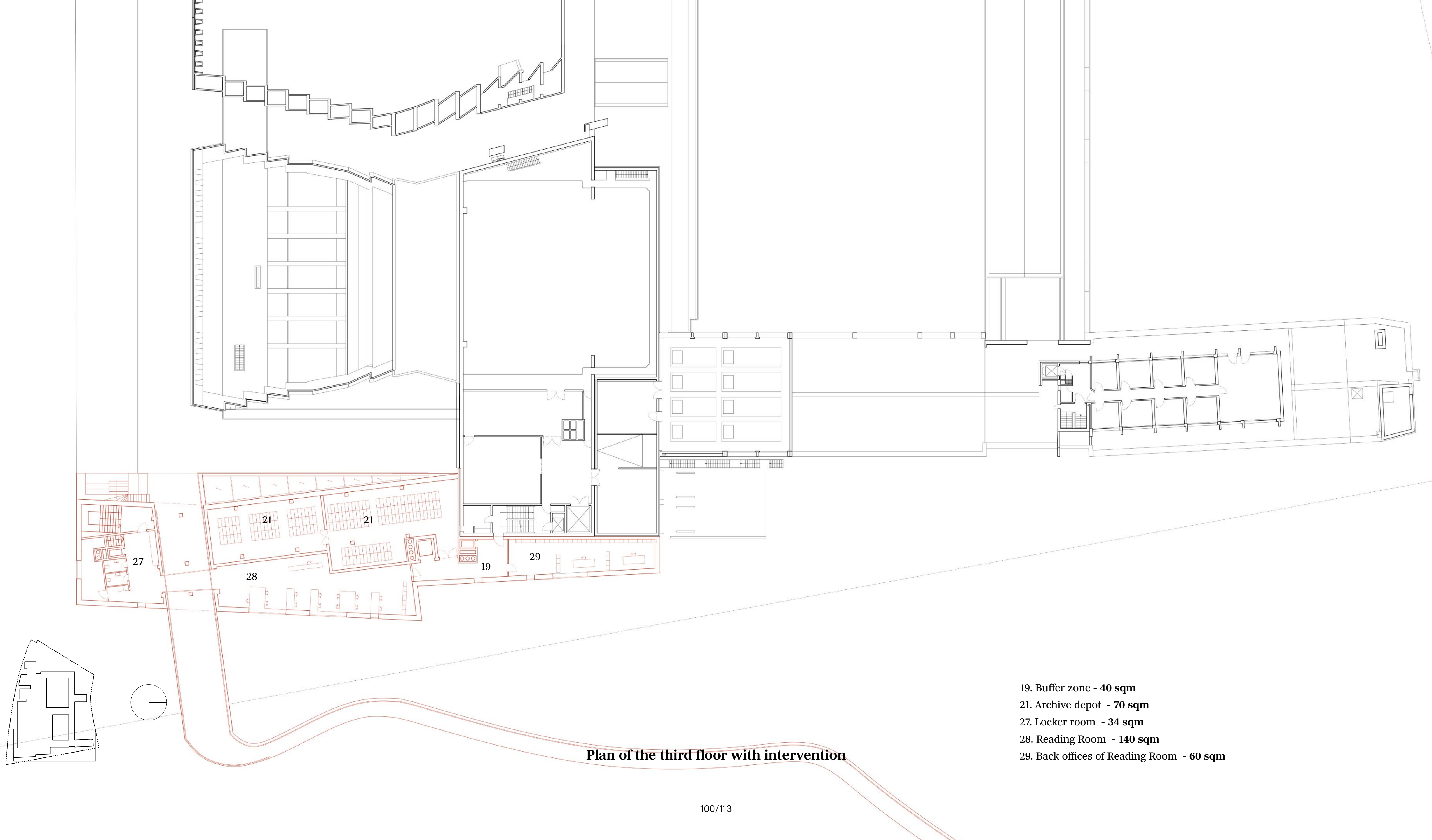
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A play with proportions and patterns





Plan of the third floor with intervention

- 19. Buffer zone - **40 sqm**
- 21. Archive depot - **70 sqm**
- 27. Locker room - **34 sqm**
- 28. Reading Room - **140 sqm**
- 29. Back offices of Reading Room - **60 sqm**

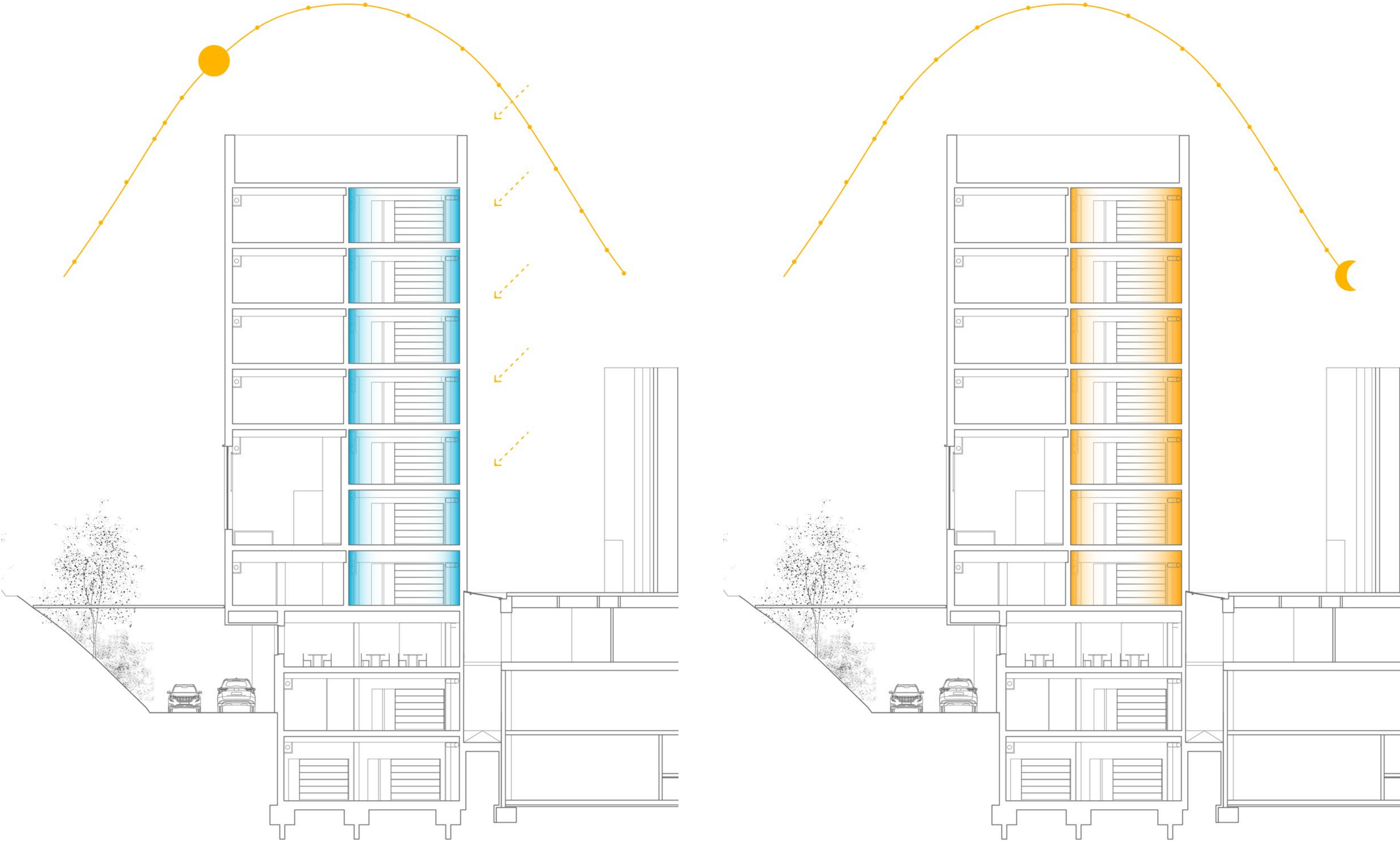
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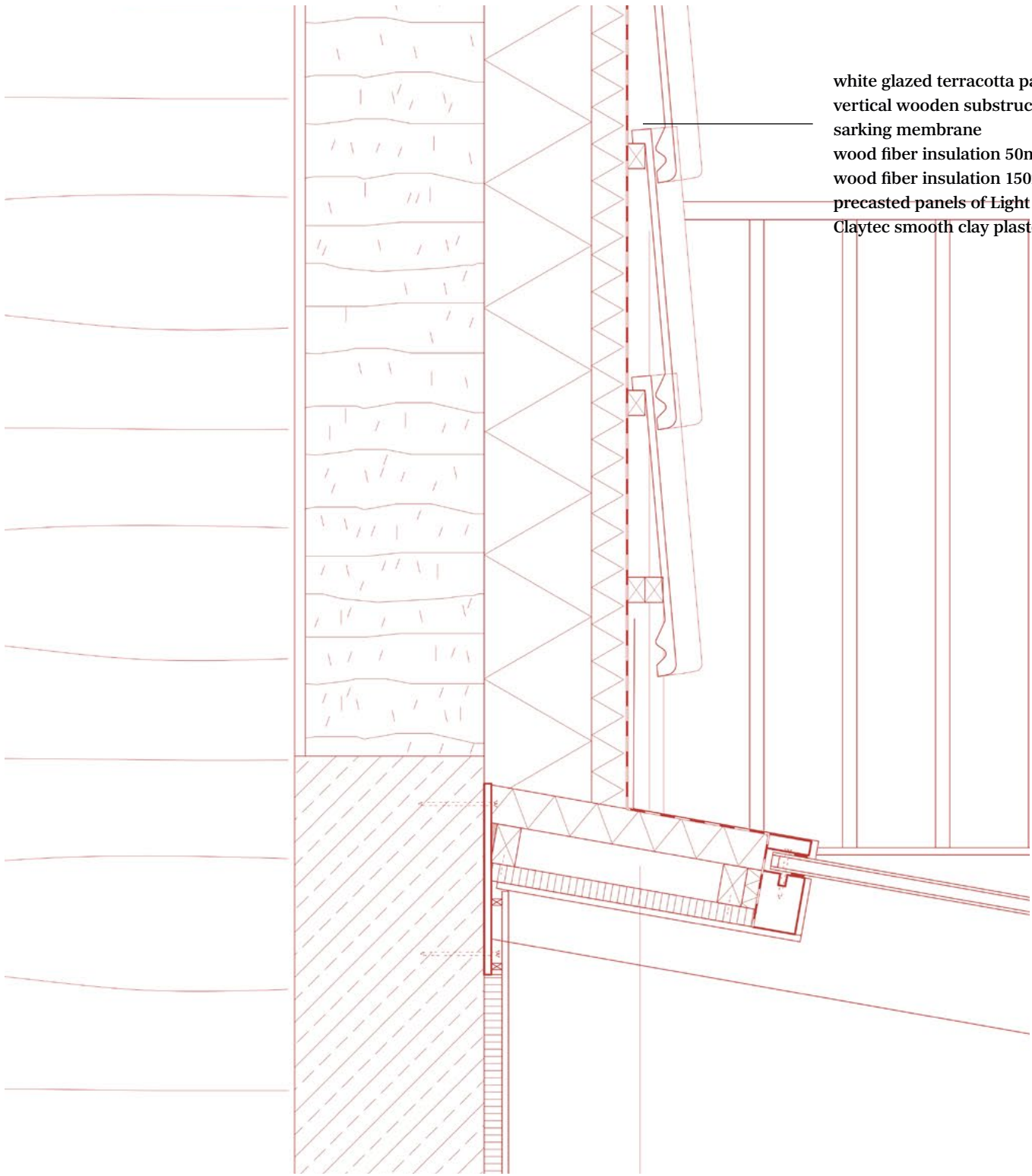
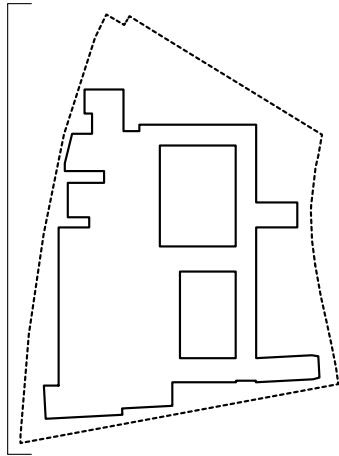
Impression of the reading room on the 3rd floor

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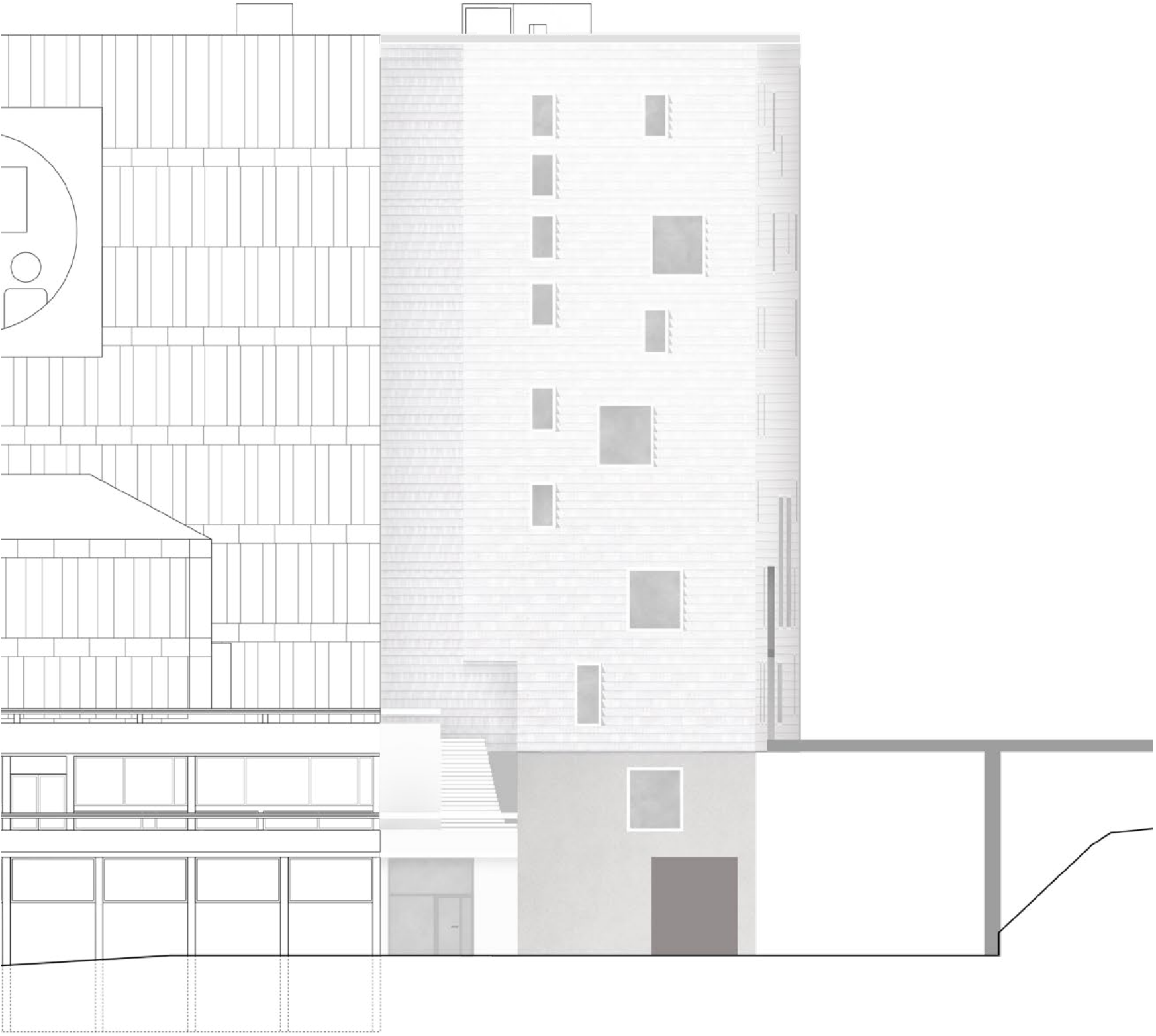
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Thermal phase shift strategy



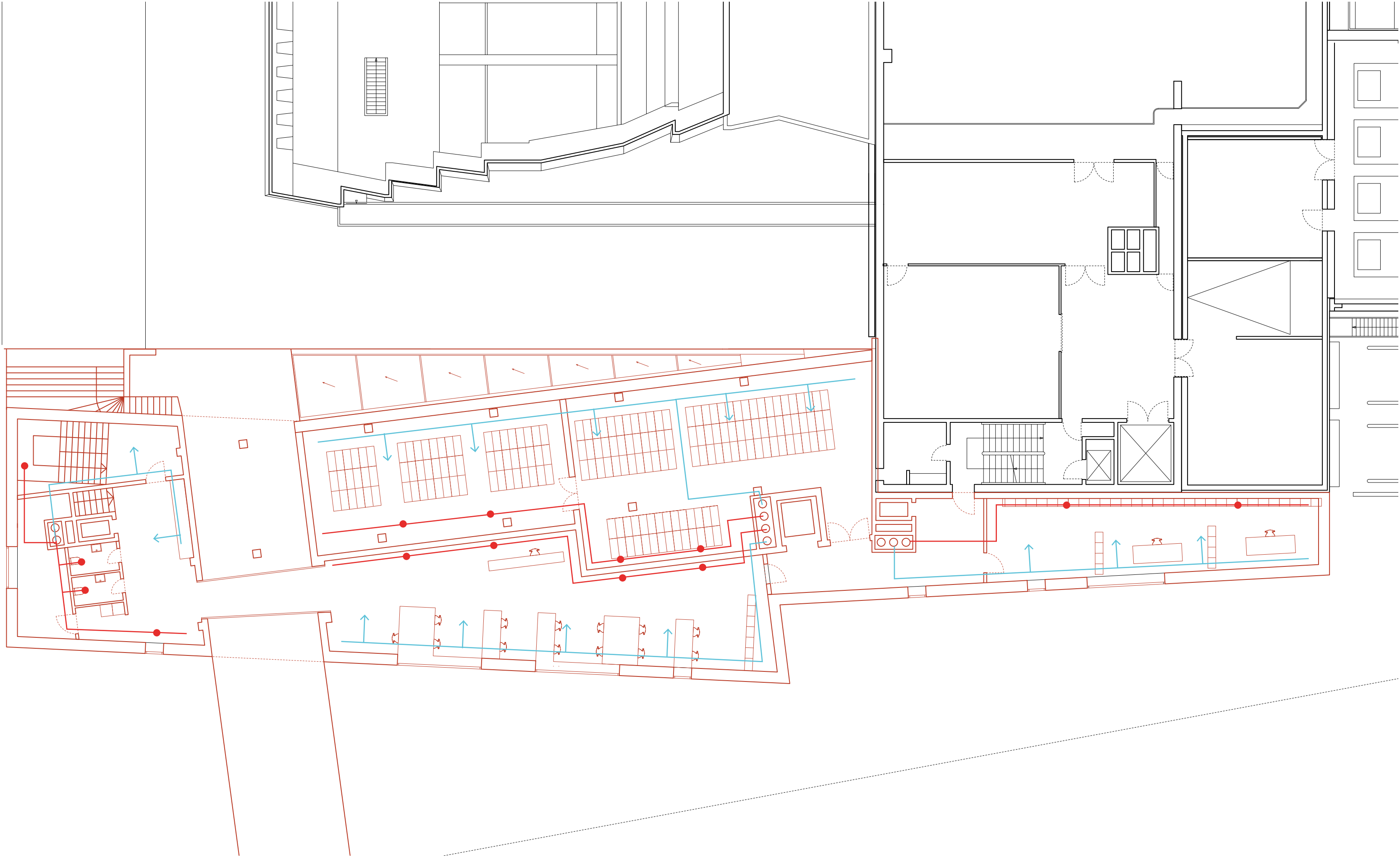
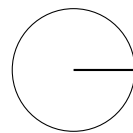
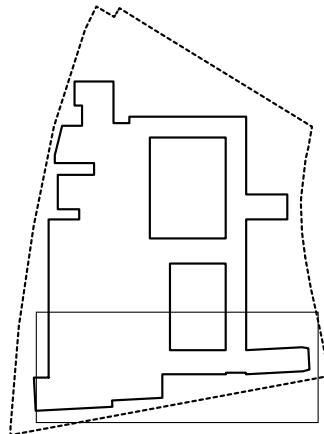
white glazed terracotta pantile tiles 300x345mm
vertical wooden substructure 250x350mm
sarking membrane
wood fiber insulation 50mm
wood fiber insulation 150mm
precasted panels of Light Earth 250mm
Claytec smooth clay plaster

Weaving Grounds



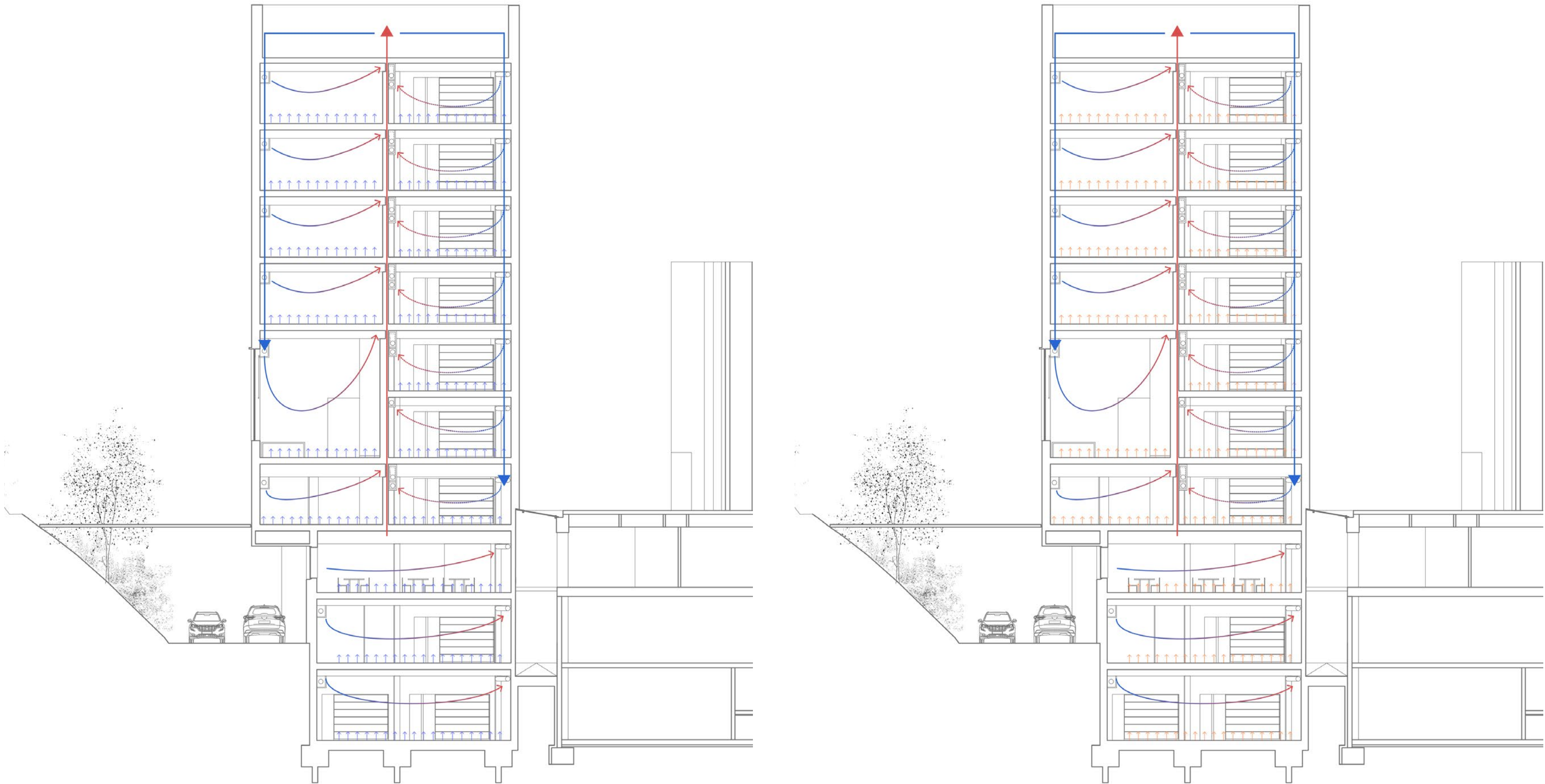


1:1 Mockup of the rainshield tiles



HVAC Plan on the third floor

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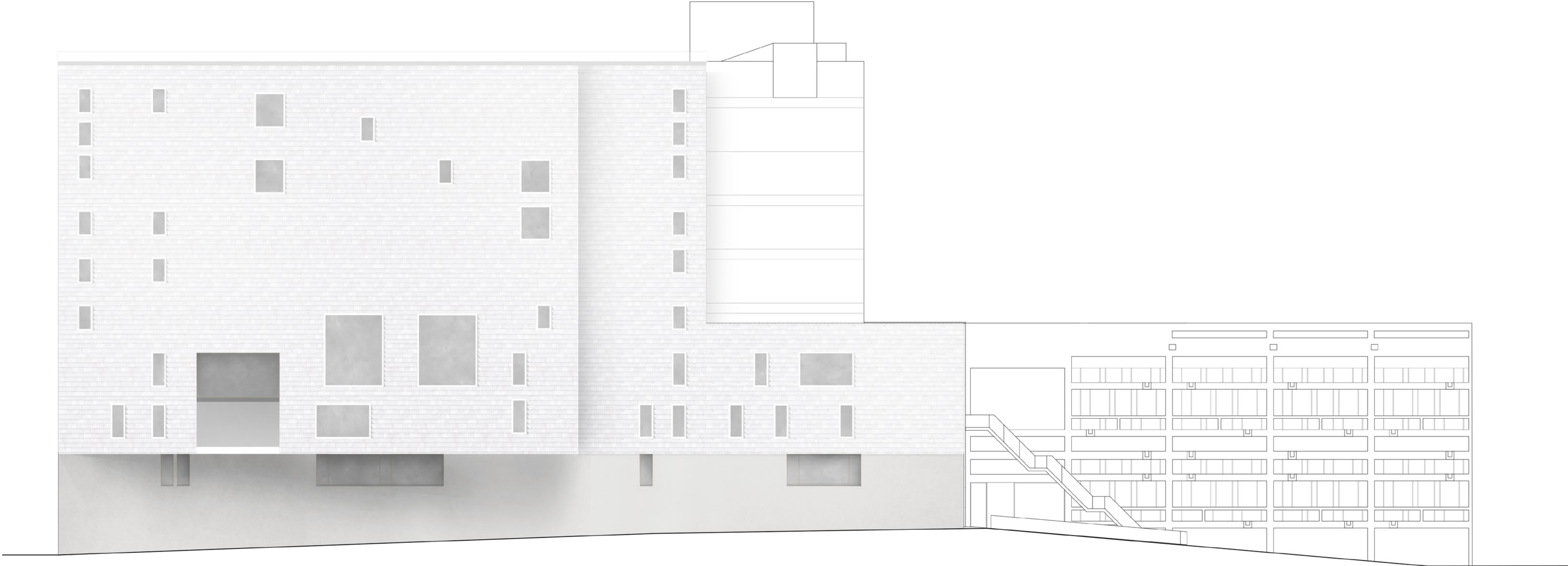
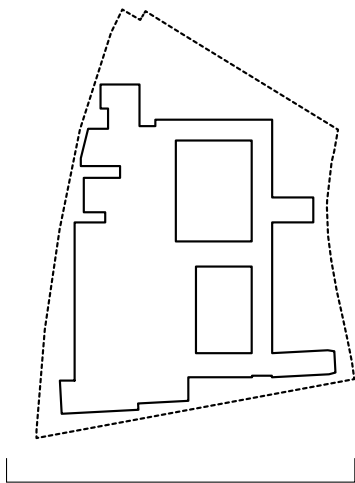


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Climatic section during Summer and Winter

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A non systematic facade to adjust to light

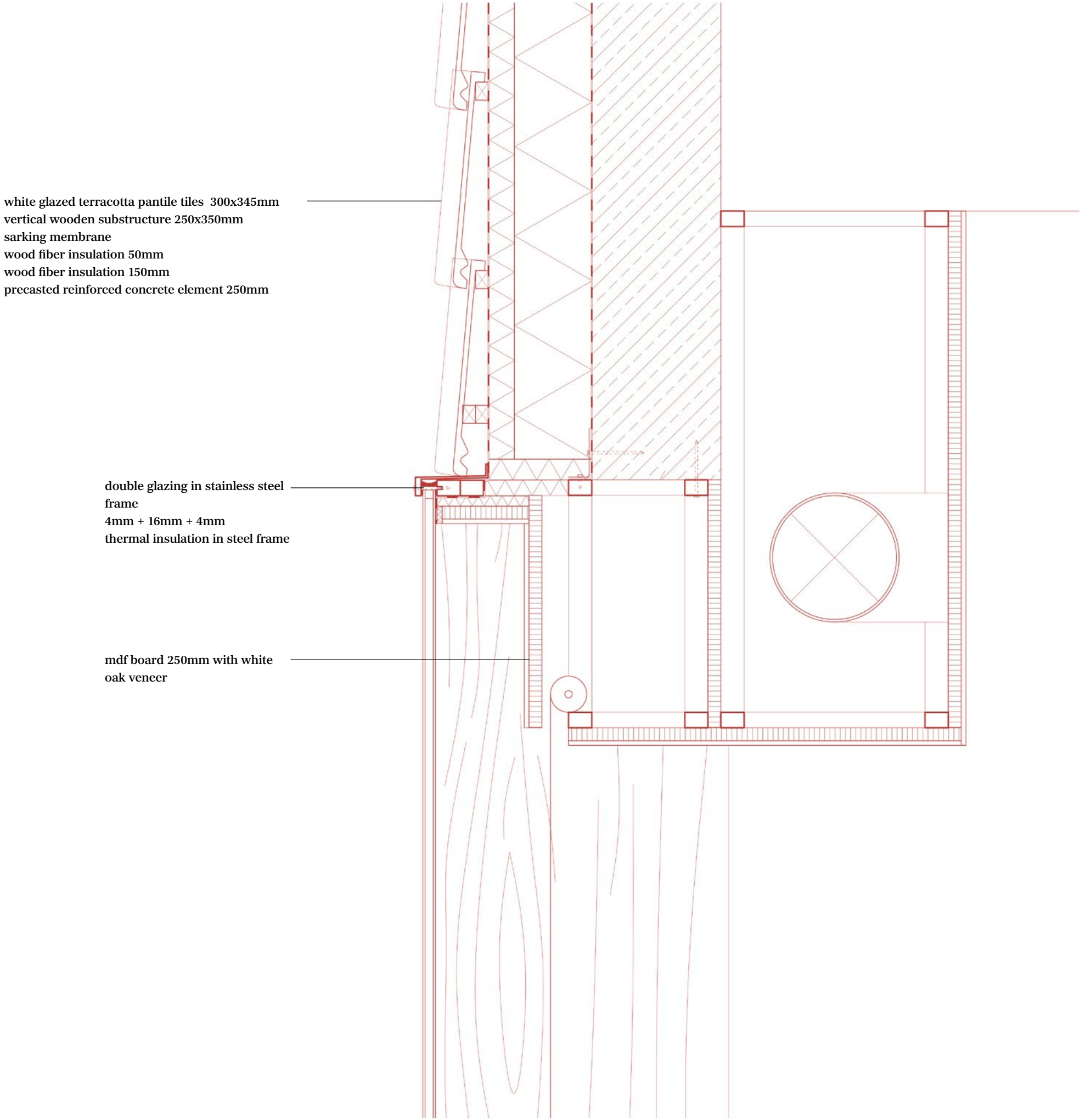
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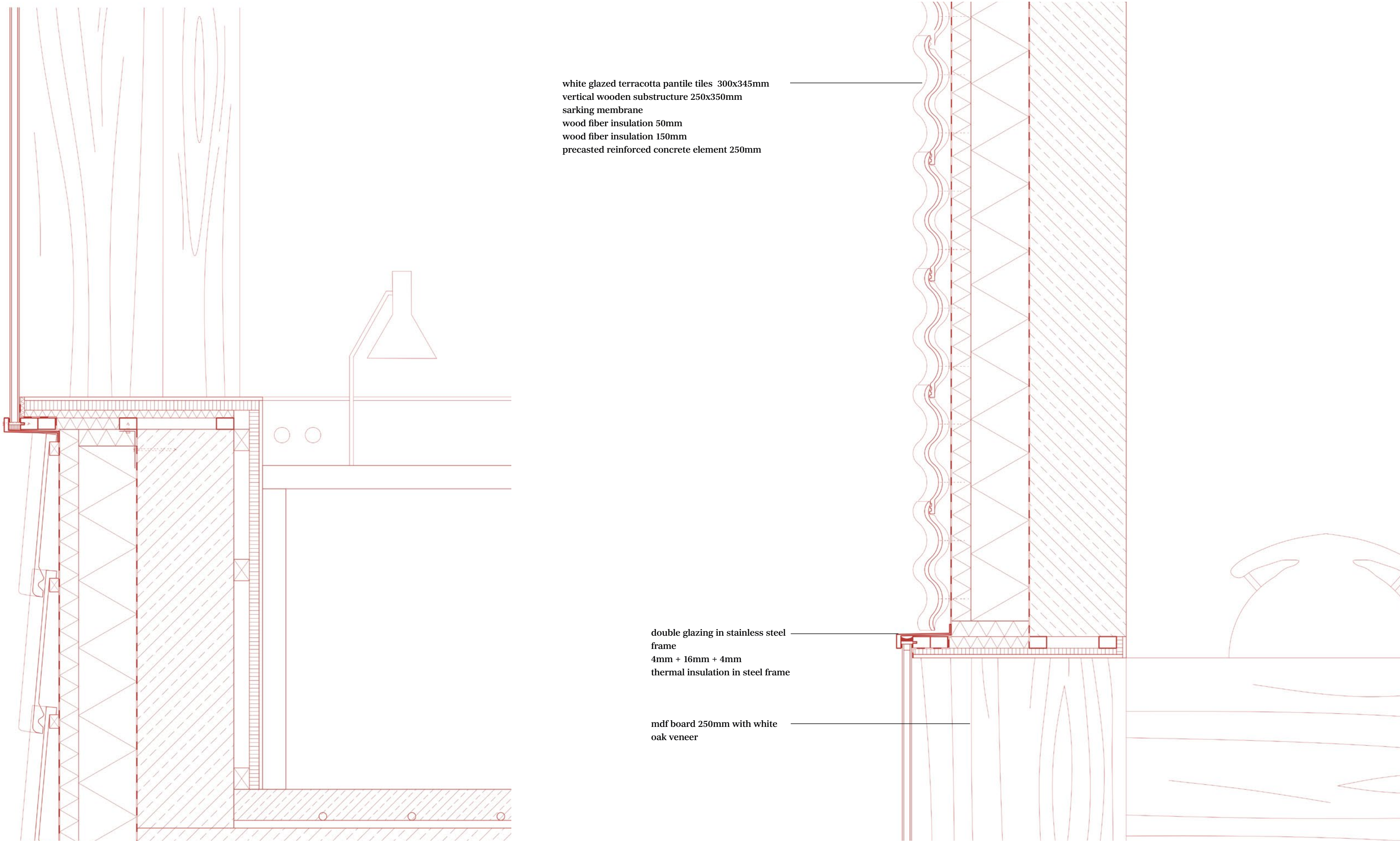
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Impression of the reading room on the 3rd floor

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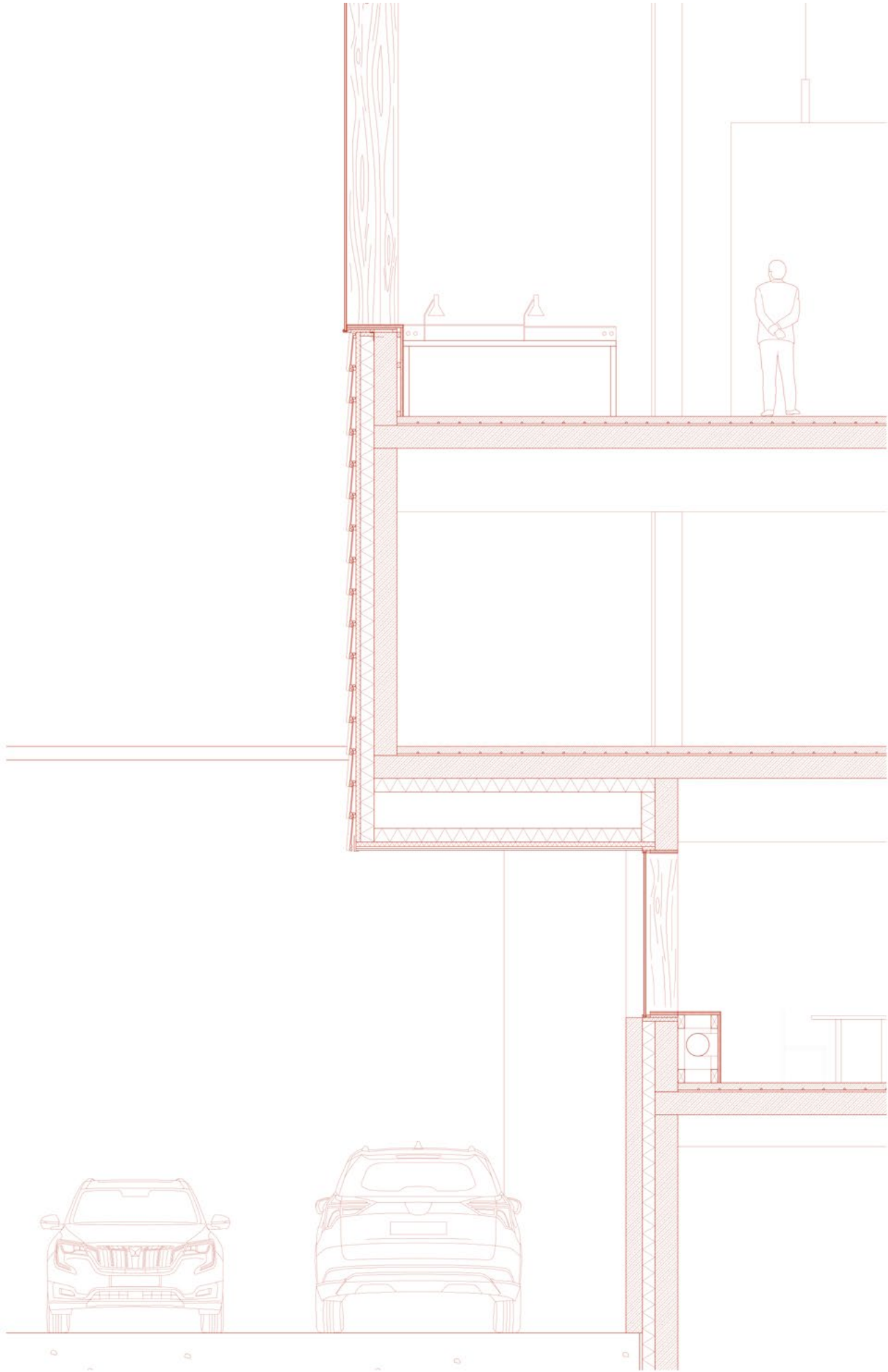
Typical window detail 1:5



The detailing of the window sill, cut section and plan 1:5



Weaving Grounds



Material expression of the facade





Thank you for your attention