

# A BUILDING

As opportunity for continuing the Belgrade Waterfront Project



“Ne Davimo Beograd”  
*Belgrade Protests, May 2015*

Protests have become a common part of urban life in Belgrade, as a result of questionable development projects that are driven by a political need for modernization.

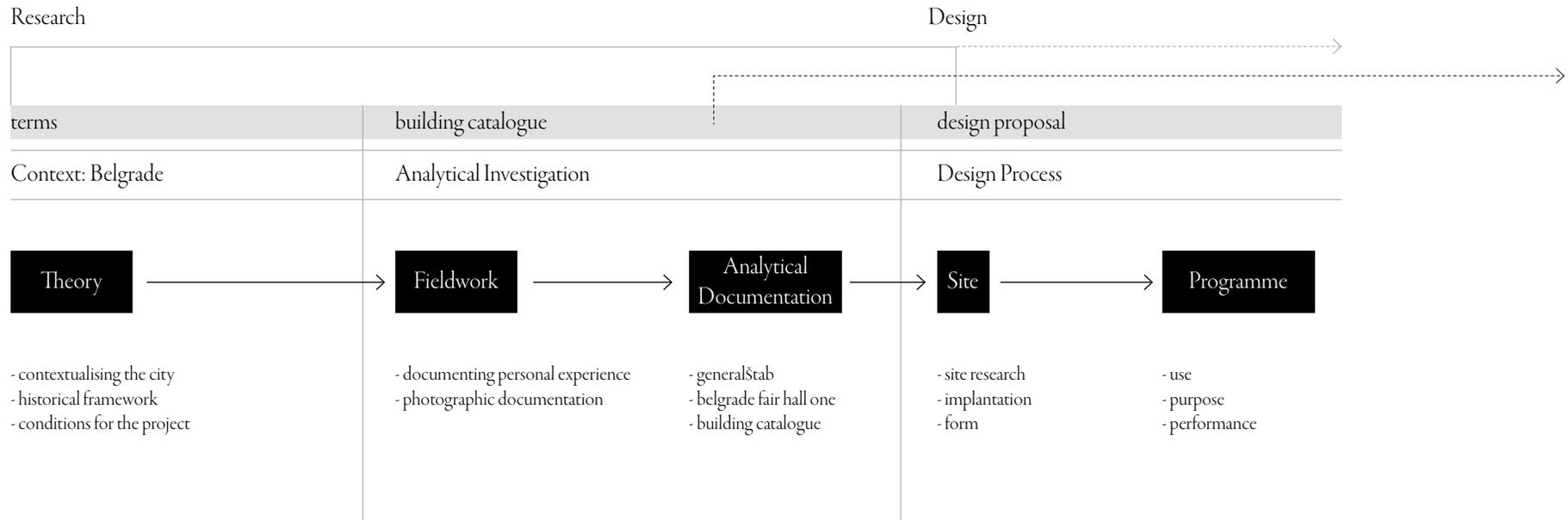
This project is concerned with the role of public space in everything that is going on in Belgrade, and tries to understand how it can contribute to inclusivity within turbulent political and social contexts.

**1. Research** *\_Research through analysing*

**2. Project Brief** *\_A continuation of the Belgrade Waterfront Project*

**3. Design** *\_Gathering as powerful opportunity*

Research question: How can I propose an alternative to the development of the Belgrade Waterfront Project?

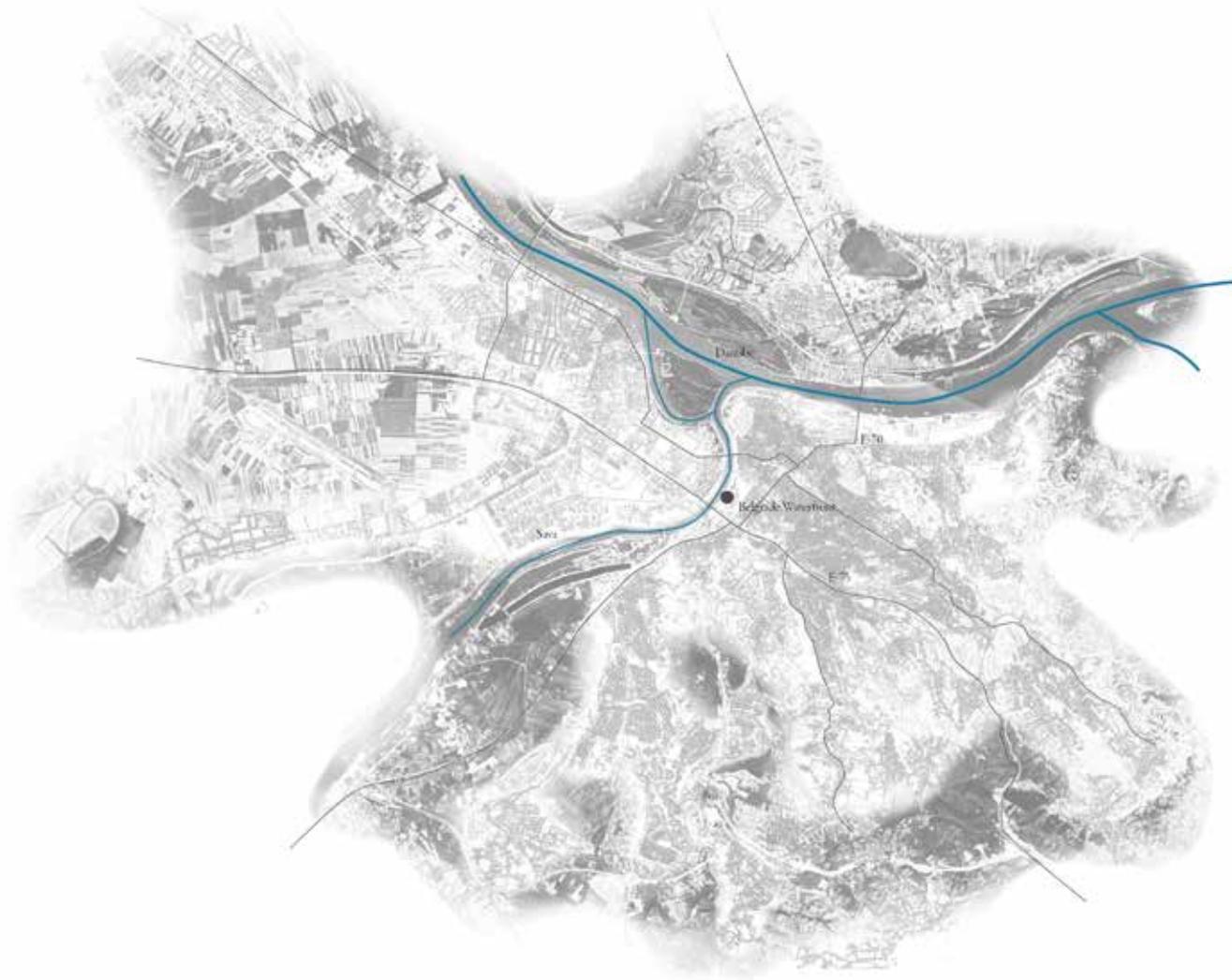




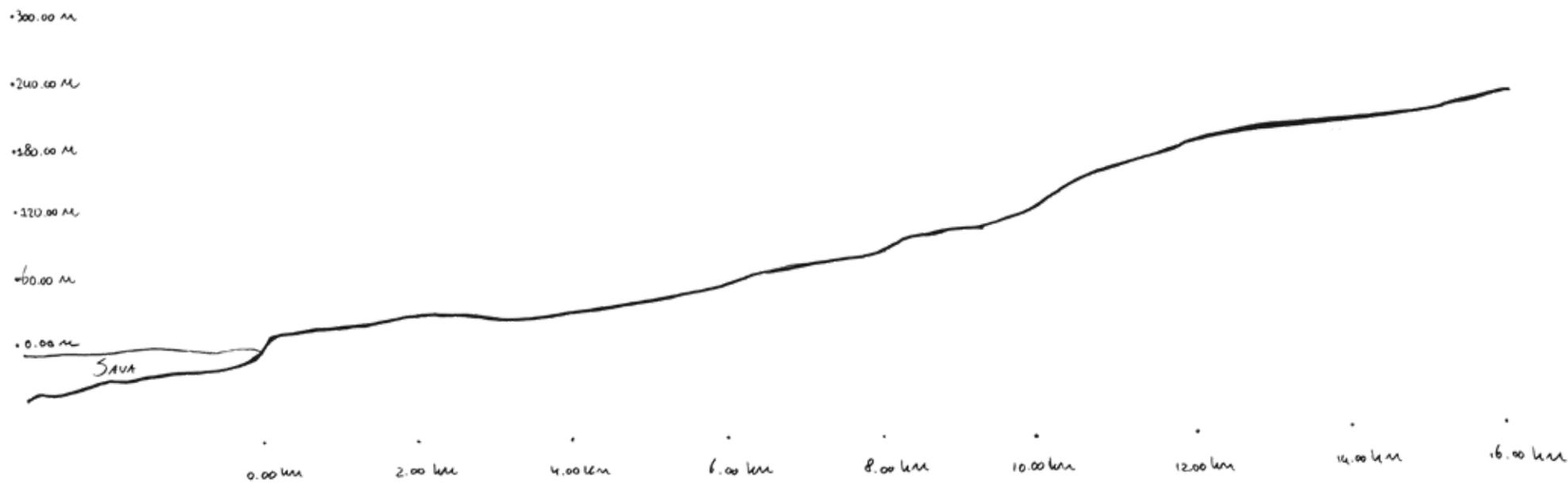
**Anomaly on the River**  
*Belgrade, 2017*



**Belgrade, Serbia**  
*Source: Google Earth*



**A Spread Out City**  
*Belgrade, Serbia*



Section through Belgrade  
Serbia



**Sava**

*Source: Google Earth*

*“Viewed from the water, from where the Sava enters the Danube, Belgrade resembles a ship that has embarked on a long cruise across the vanished Pannonian Sea [...] Water, fog, time and history crash against the city. Rare are the cities with the fortune of having two large and mighty rivers into which nature has cast green river islets, like bridal bouquets [...] The Sava and the Danube live differently, each for itself, but when they meet, they foam with **the joy of meeting** [...] History has chosen the confluence of Belgrade’s rivers as a perfect place to **shuffle its tarot cards and mix fates, races, civilisations and cultures**”.*



1. Prenus Cerasus



2. Sycamore



3. Black Locust



4. Acer Platanoides (Norway Maple)



5. Acer Campestre (Field Maple)



6. Serbian Spruce



7. Horse Chestnut



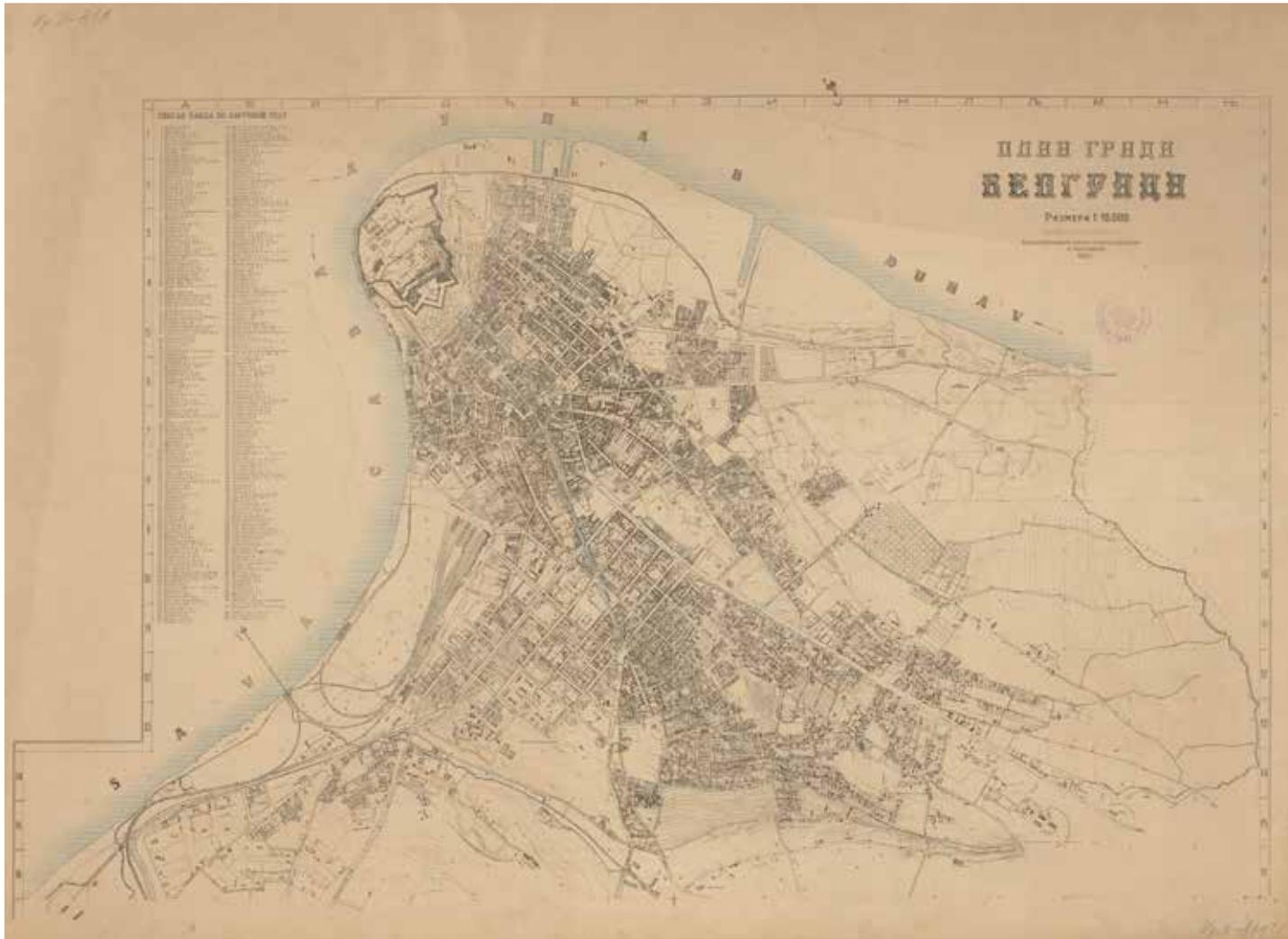
8. Serbian Bellflower



9. Oak



Discovering Belgrade  
A fortified city



**Discovering Belgrade**  
*Using the natural composition to grow*







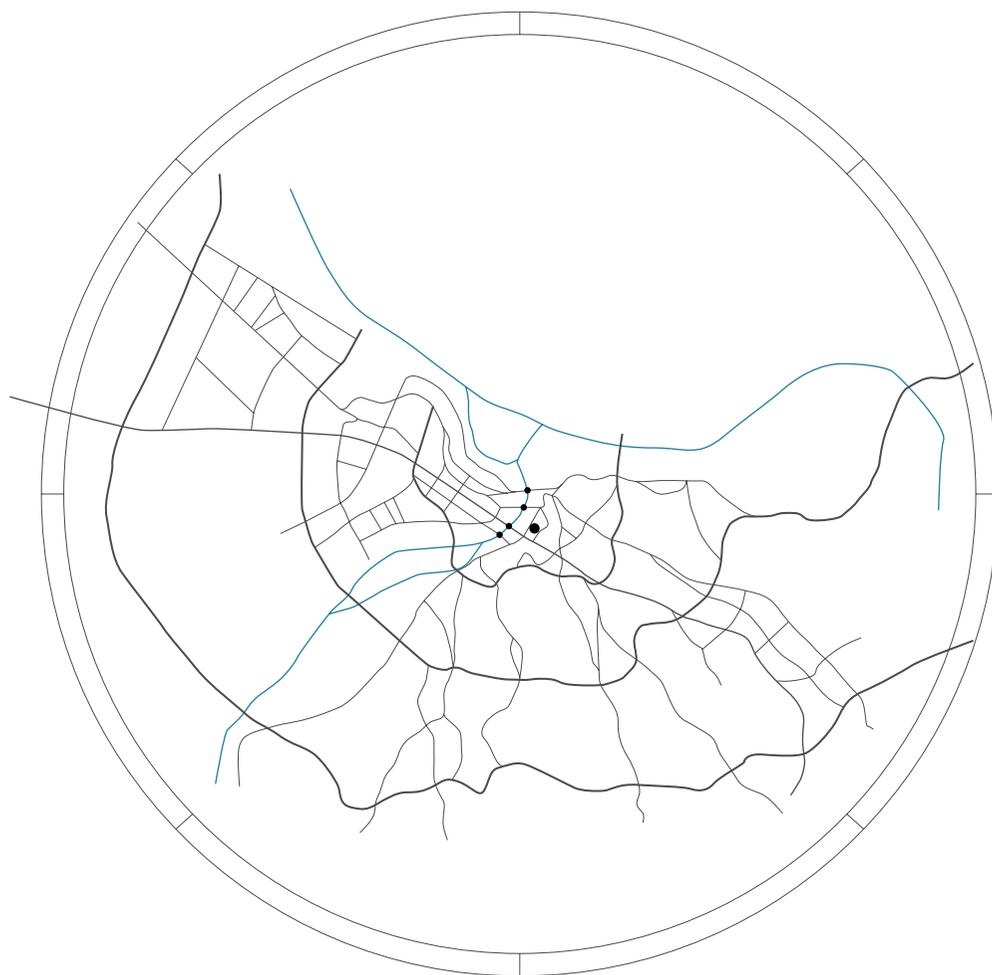
- Residential
- Mixed use
- Commercial
- Industry
- Healthcare / Education
- Government / Religious



- Water
- Landscaping
- Sand/Clay
- Woodland
- Earth Substrat Humic Cambisol
- Artificial land cover
- Artificial/Earth substrate Mollic Gleysol



Discovering Belgrade  
*Urbanisation, Source: Google Earth*



**Discovering Belgrade**  
*Infrastructural plan*

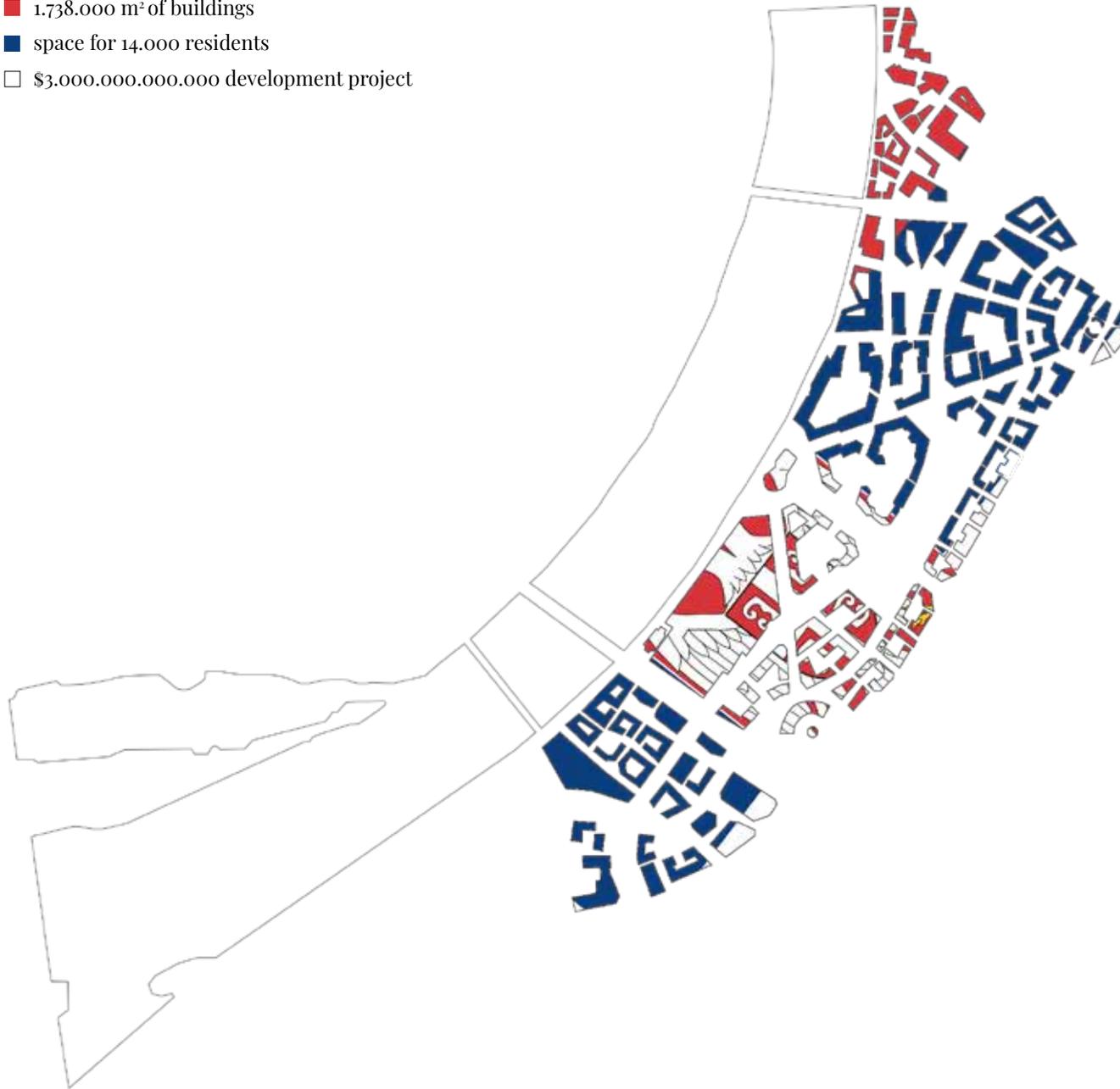


Highway Intersection as Border  
*Source: Google Earth*



Sava Riverfront today

- 1.738.000 m<sup>2</sup> of buildings
- space for 14.000 residents
- \$3.000.000.000.000 development project



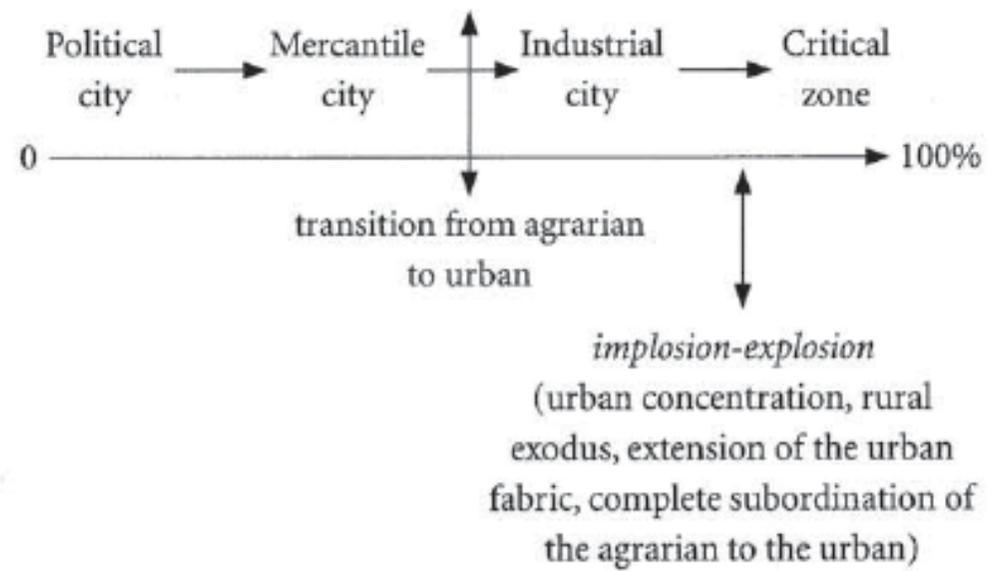
The Belgrade Waterfront Project



**'Dubai of the Balkans**  
*Source: The New York Times*



'Vertical violence'

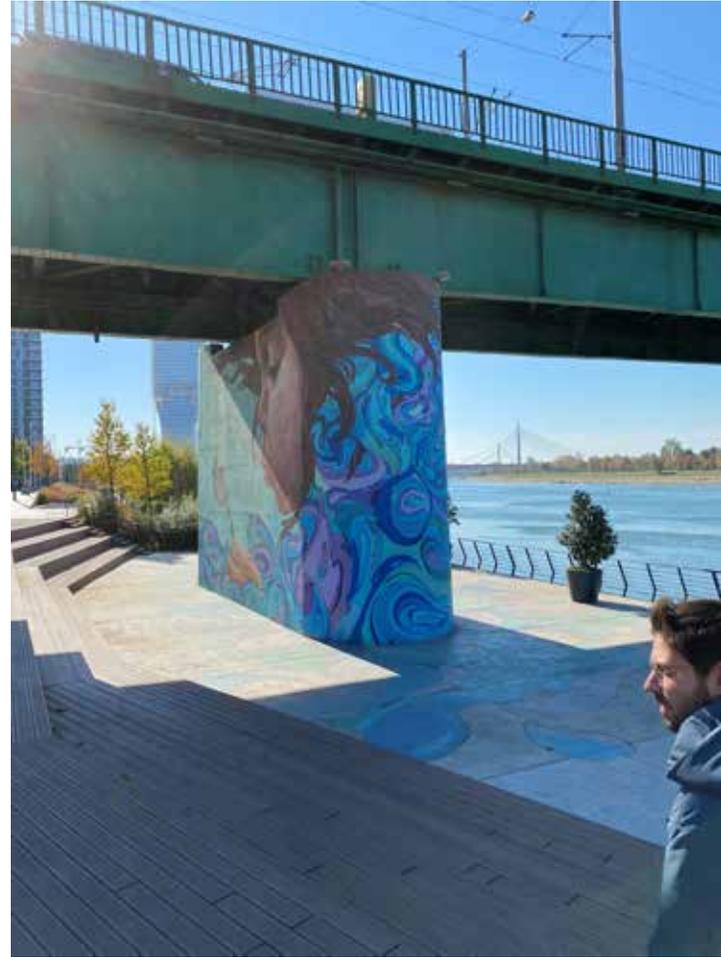




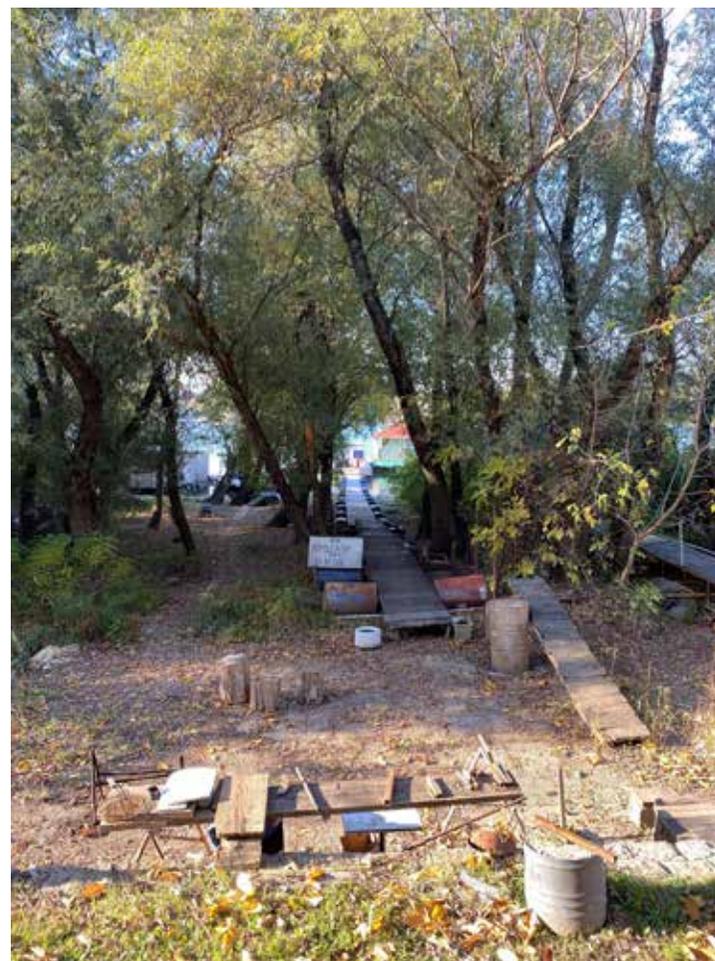
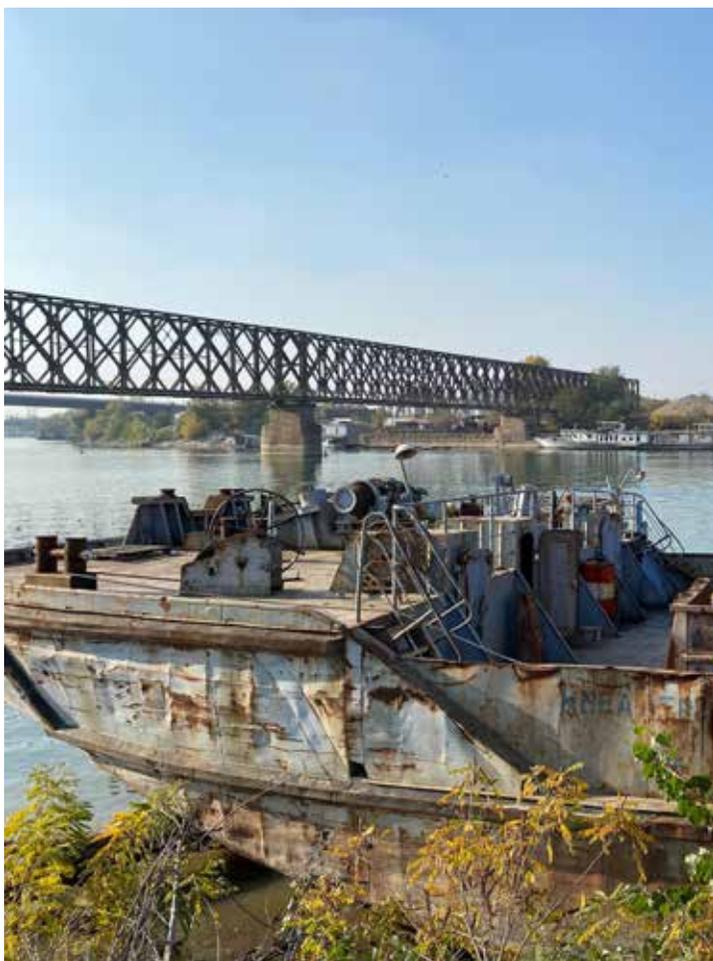
*"I am waiting for the bulldozers to come," said Ivan Timotijevic, whose house is in the middle of the Belgrade Waterfront development. But he and his wife refuse to move without adequate compensation.  
Source: The New York Times*



*Posters showcasing buildings still to be constructed. Among those planned in the next 30 years are the largest shopping mall in the Balkans and a 180 m high residential skyscraper.*  
*Source: The New York Times*



Beautiful riverfront promenade



Delapidated riverfront

*“(Social) space is a (social) product [...] the space thus produced also serves as a tool of thought and of action [...] in addition to being a means of production it is also a means of control, and hence of domination, of power [...] it is in this everyday, utilised space, power relations become visible”.*



**How to continue the BWP?**  
*Source: Google Earth*

Project Brief\_

A continuation of the Belgrade Waterfront Project

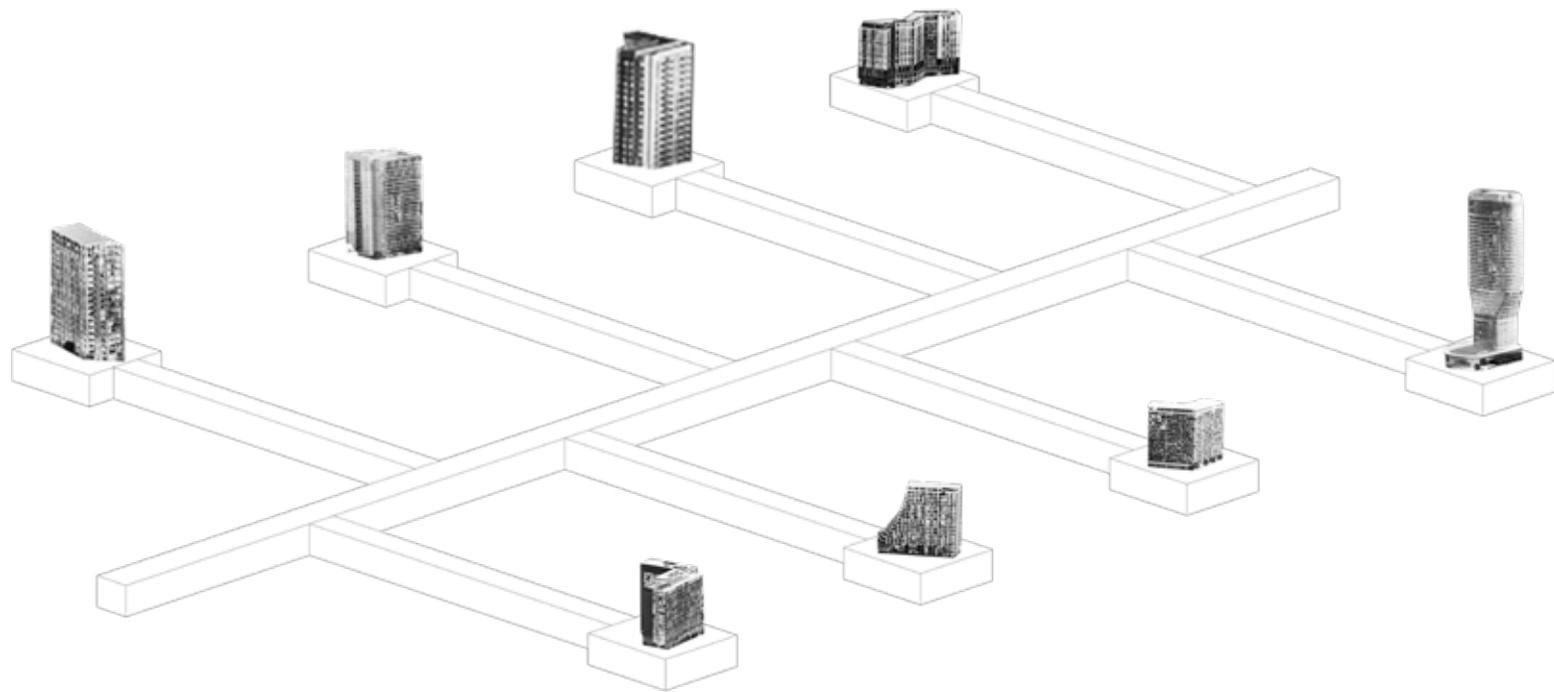


Analyse, draw, analyse, draw..... and draw and analyse them again!

- 42.000 m<sup>2</sup> of public space
- 2.33 % of the reserved area
- “the return of Belgrade to its rivers”



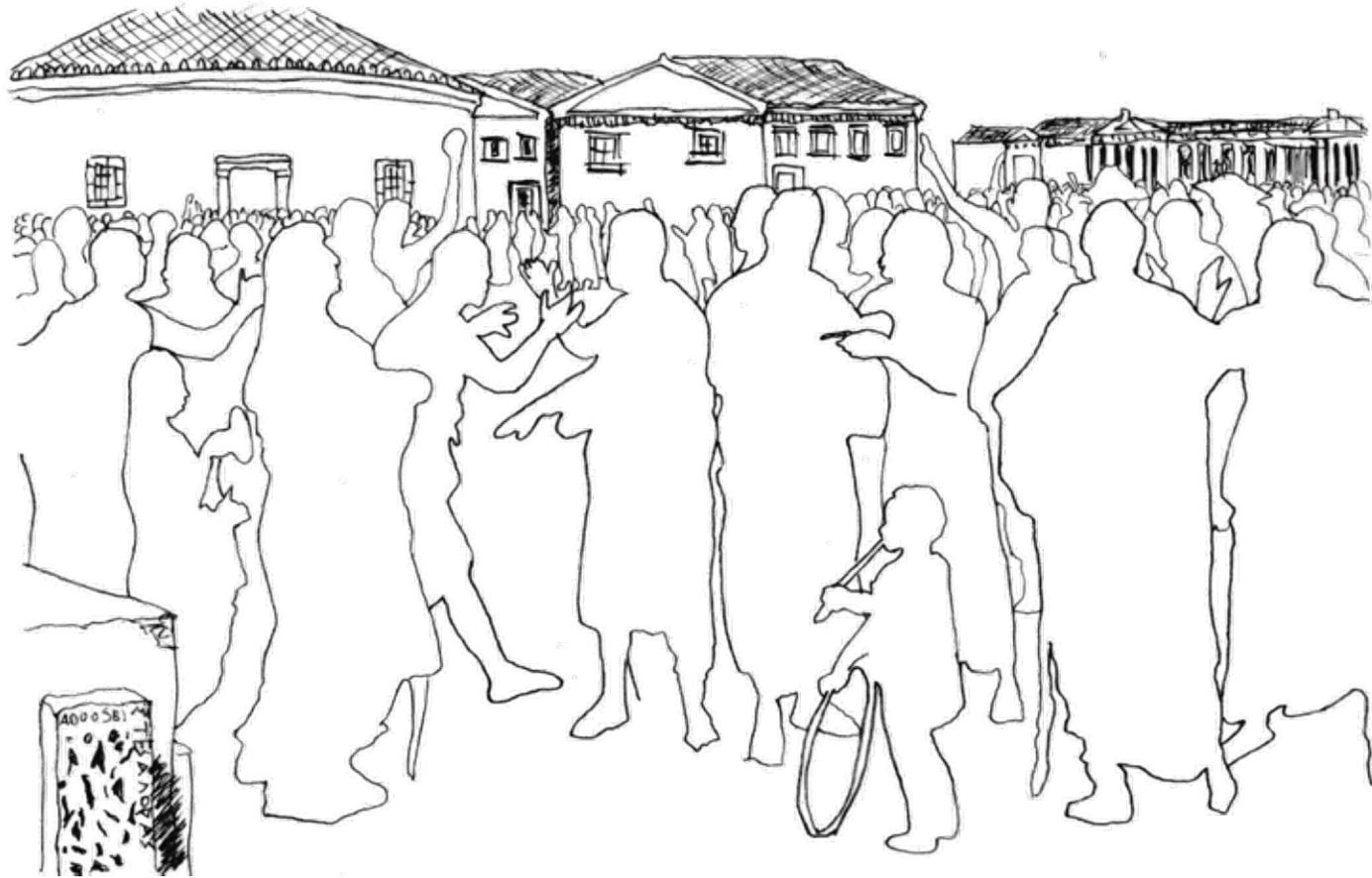
Lack of much needed public and cultural facilities



The individual building grid



A diverse gathering space



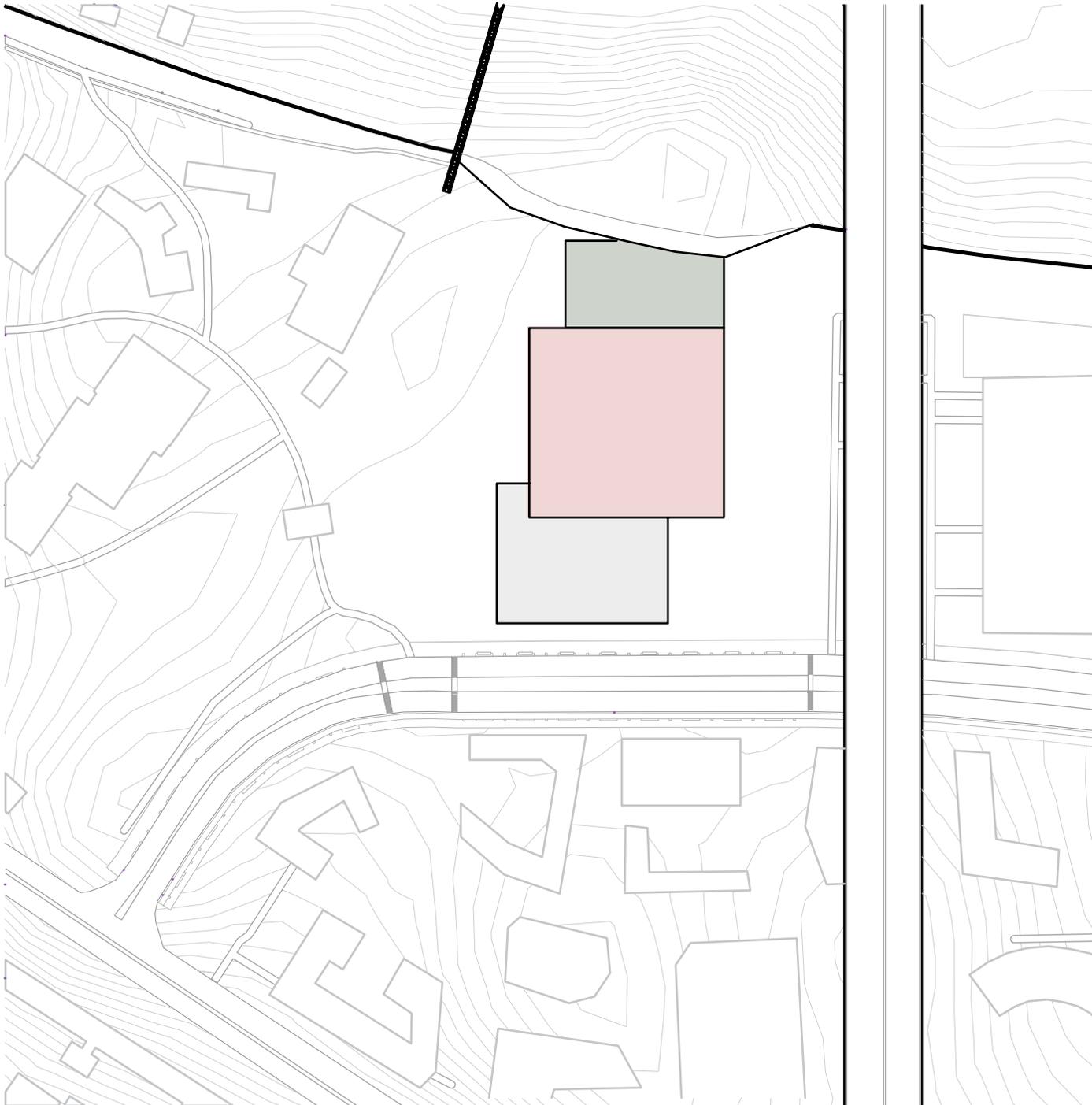
The Ancient Agora



n  
+



Gathering as a festivity



Riverfront square 2250 m<sup>2</sup>

Central square 8250 m<sup>2</sup>

City square 5600 m<sup>2</sup>

Proposed is a monumental 60 % land coverage that uses the plots total available floor space and transforms this into 100% public space

Allowing for a better connection between the plot and the Sava river

1:1000 Site plan



— Walking routes

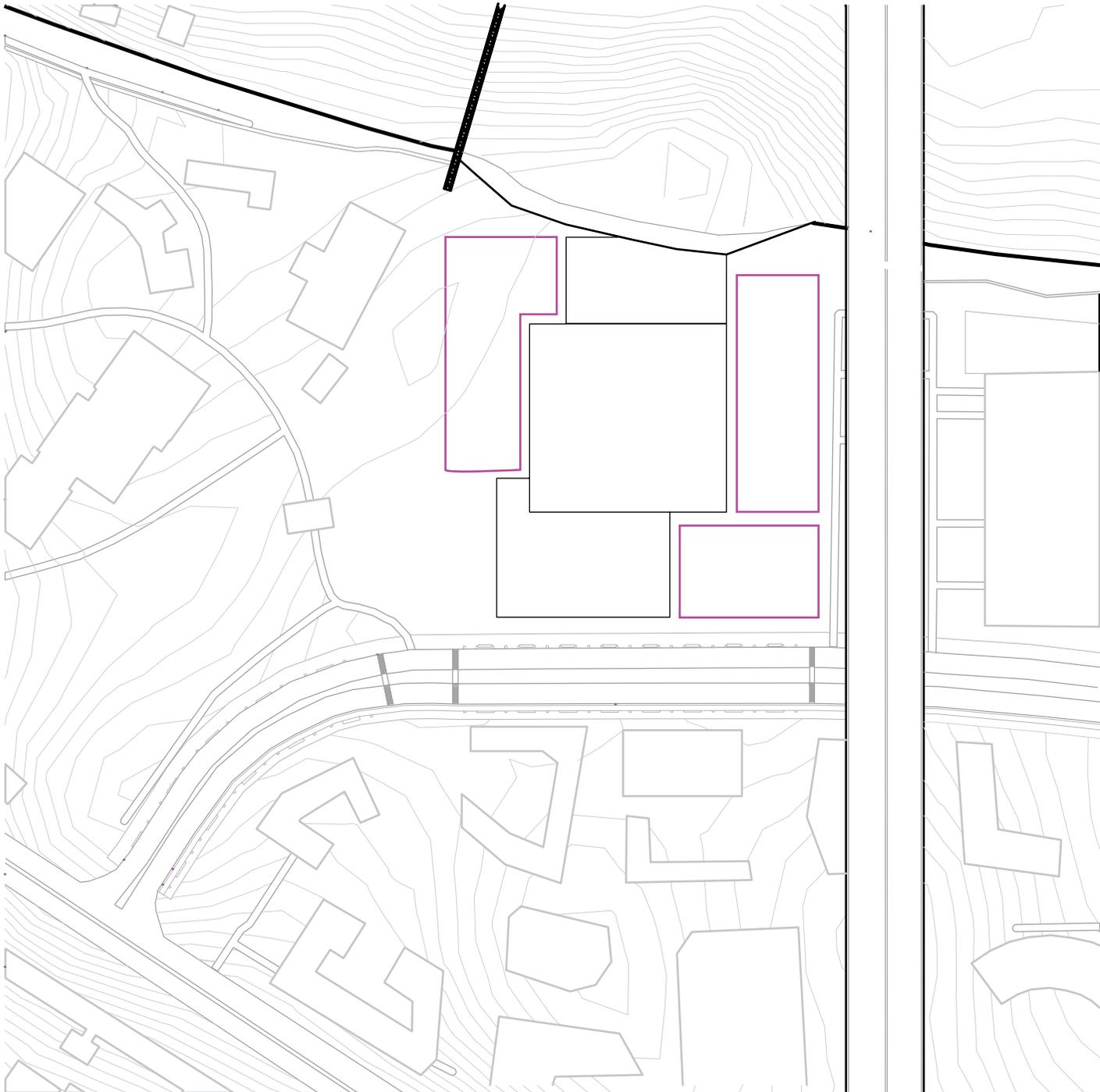
— Bike lanes

— Main route

— Service routes

Proposed is three new paths connecting the newly created Bulevar Vudro Vilson with the riverfront promenade with an additional connection to the Belgrade fair ground.

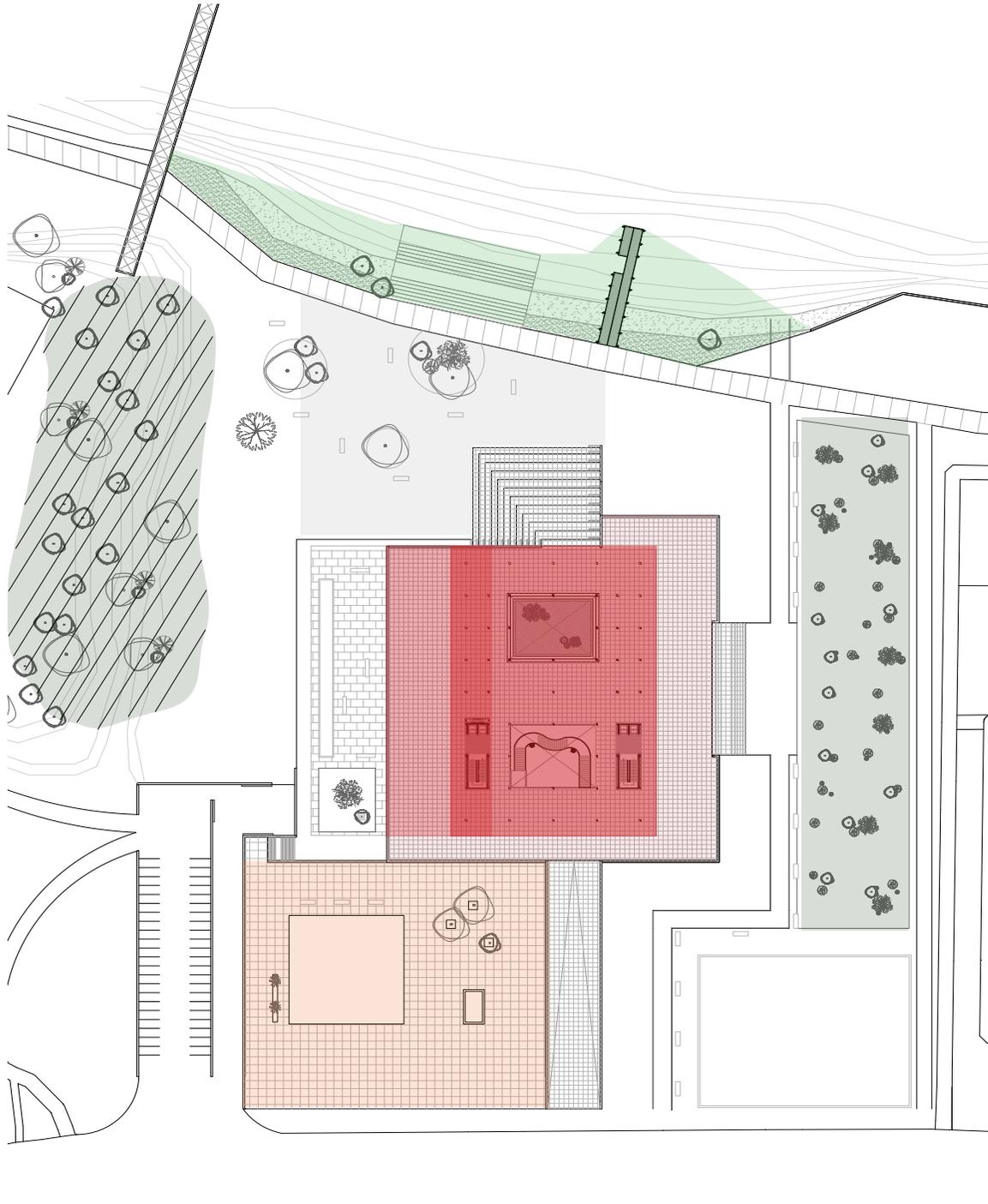
1:1000 Site plan



— Gardens

Proposed is to give back 5800 m<sup>2</sup> to the riverfront of Belgrade to bring back the once green and natural composition of the waterfront.

1:1000 Site plan



## Programme total plot

Urban Ecology 8500 m<sup>2</sup>

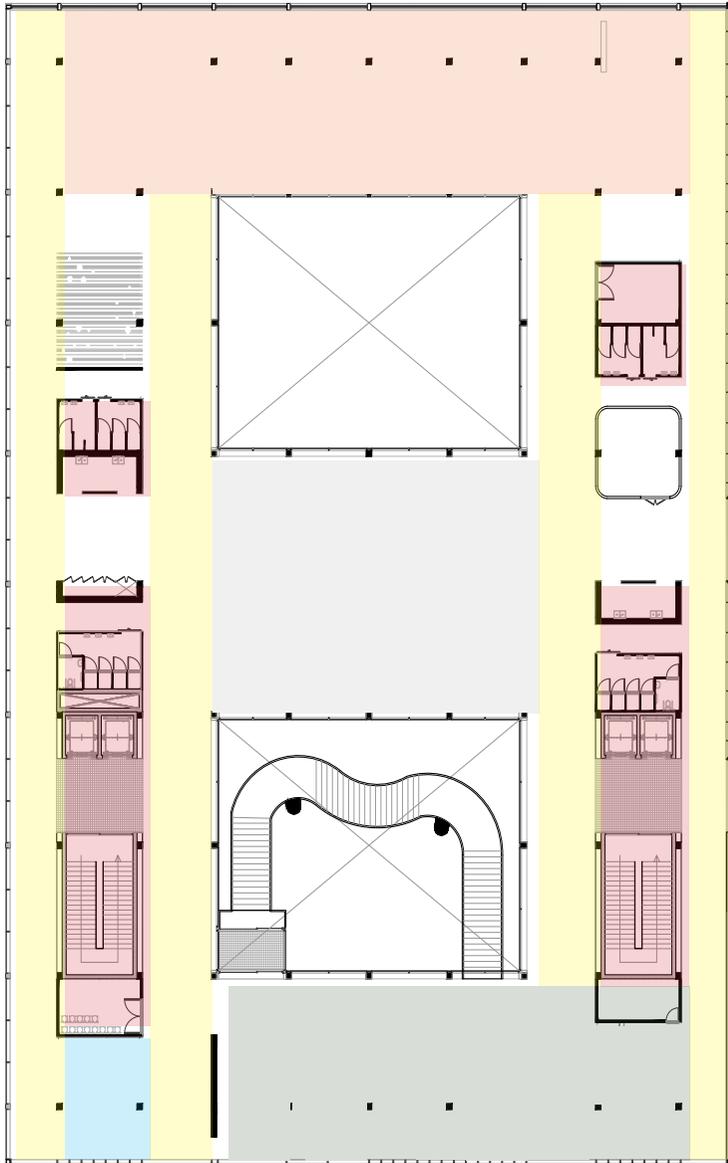
- green bufferzone 4000 m<sup>2</sup>
- native flora plantation 3000 m<sup>2</sup>
- urban wetland (riverbank promenade) 1500 m<sup>2</sup>

Public Space 15.600 m<sup>2</sup>

- city square 5520 m<sup>2</sup>
- covered square 7395 m<sup>2</sup>
- riverfront square 2965 m<sup>2</sup>

Mixed use 4500 m<sup>2</sup>

- gathering hall 4320 m<sup>2</sup>



## Programme gathering hall

Utilities 465 m<sup>2</sup>

 toilets, storage, electricity, pantry, elevator, staircase

Mobility 1100 m<sup>2</sup>



Exhibition space 480 m<sup>2</sup>



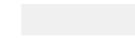
Entrance area, café 420 m<sup>2</sup>

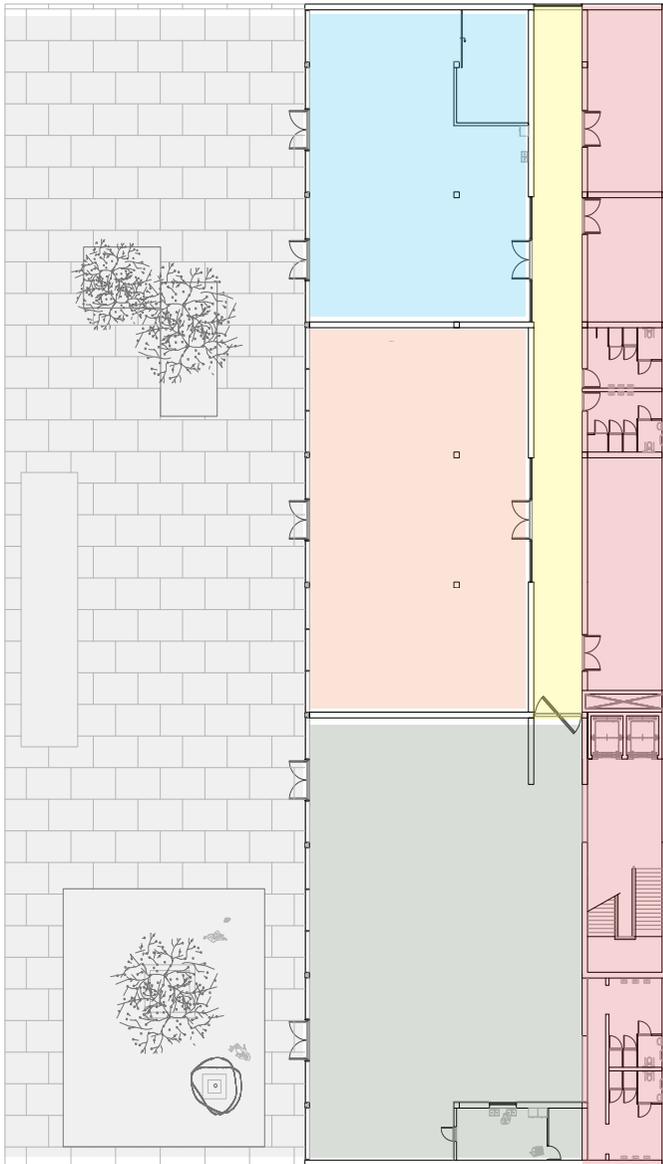


Wardrobe 55 m<sup>2</sup>



Lecture hall 400 m<sup>2</sup>





## Programme basement

Utilities 440 m<sup>2</sup>

 toilets, storage, electricity, technical room, elevator, staircase

Mobility 172 m<sup>2</sup>



Archive 415 m<sup>2</sup>



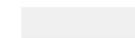
Restaurant 600 m<sup>2</sup>

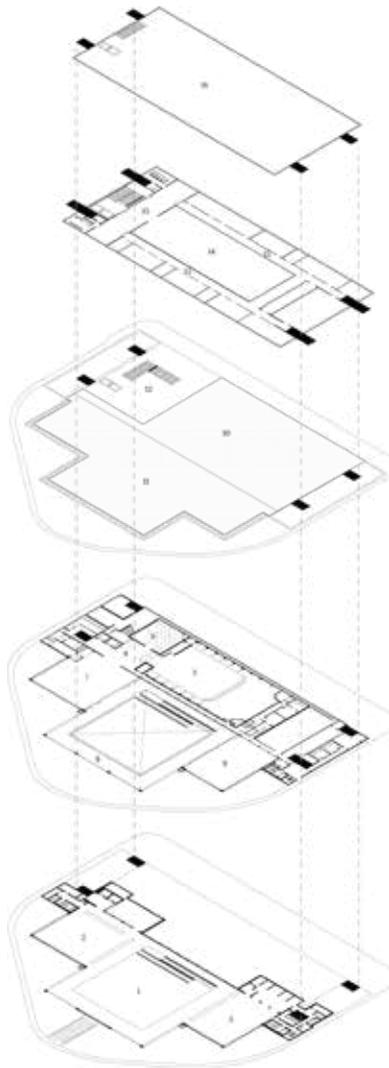


Offices 336 m<sup>2</sup>



Garden 1760 m<sup>2</sup>





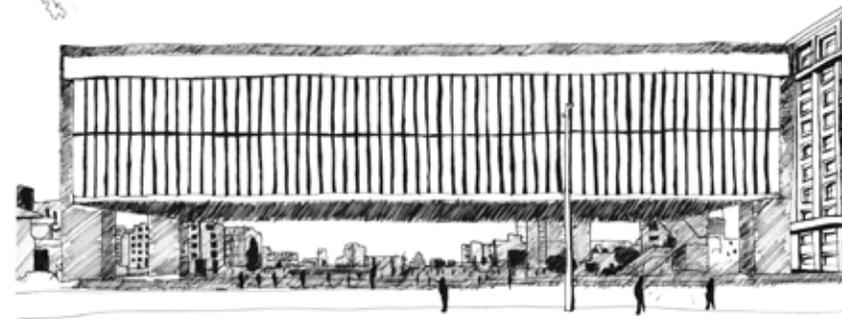
6 Picture Gallery

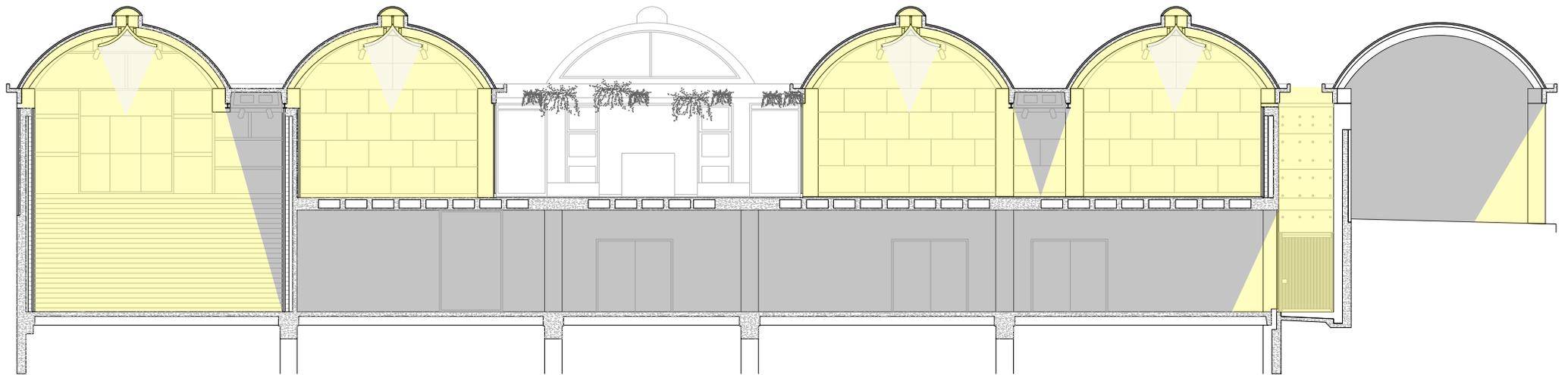
12 Entry  
14 Exhibition Room  
15 Administrative Hubway

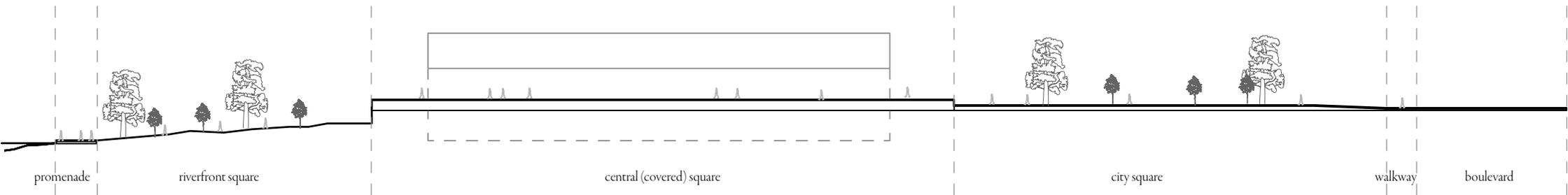
16 The MASP Terrace under the first space  
17 Reception  
18 Ticket Booth

4 Reception  
5 Large Auditorium  
6 Small Auditorium  
7 Gift and Store  
8 Warehouse for Exhibitions  
9 Exhibition Space

1 Exhibition Space (Open Hall)  
2 Research Center  
3 Research







promenade

riverfront square

central (covered) square

city square

walkway

boulevard

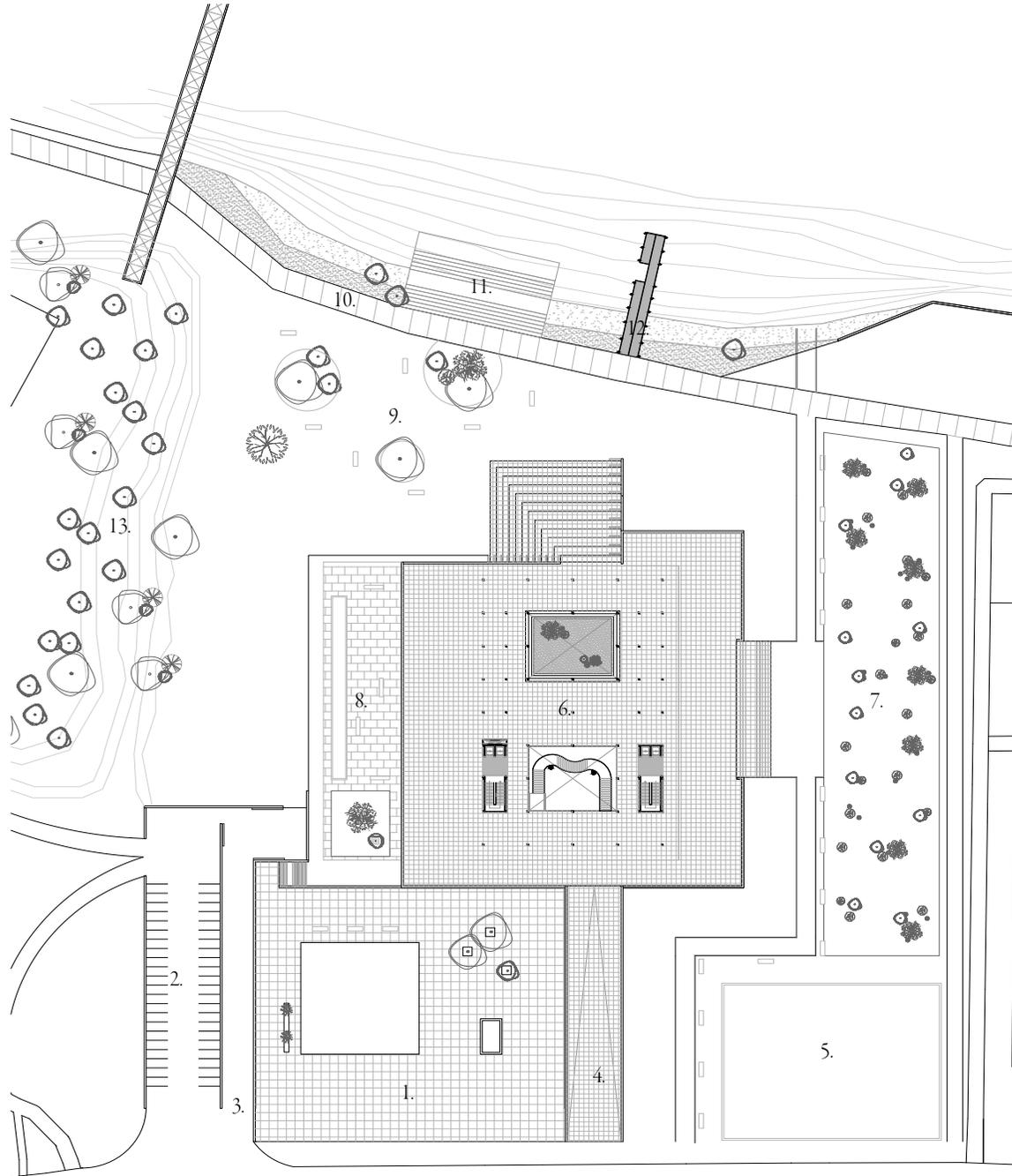
Urban Section

Design\_

Gathering as powerful opportunity



1. city square
2. parking
3. service entrance
4. entrance ramp
5. water element
6. central (covered) square
7. tree garden
8. courtyard
9. riverfront square
10. riverfront promenade
11. river tribune
12. pier
13. natural edge

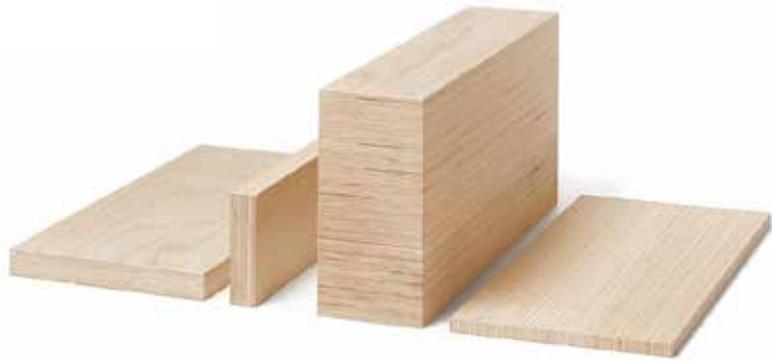


Urban Plan  
1:500



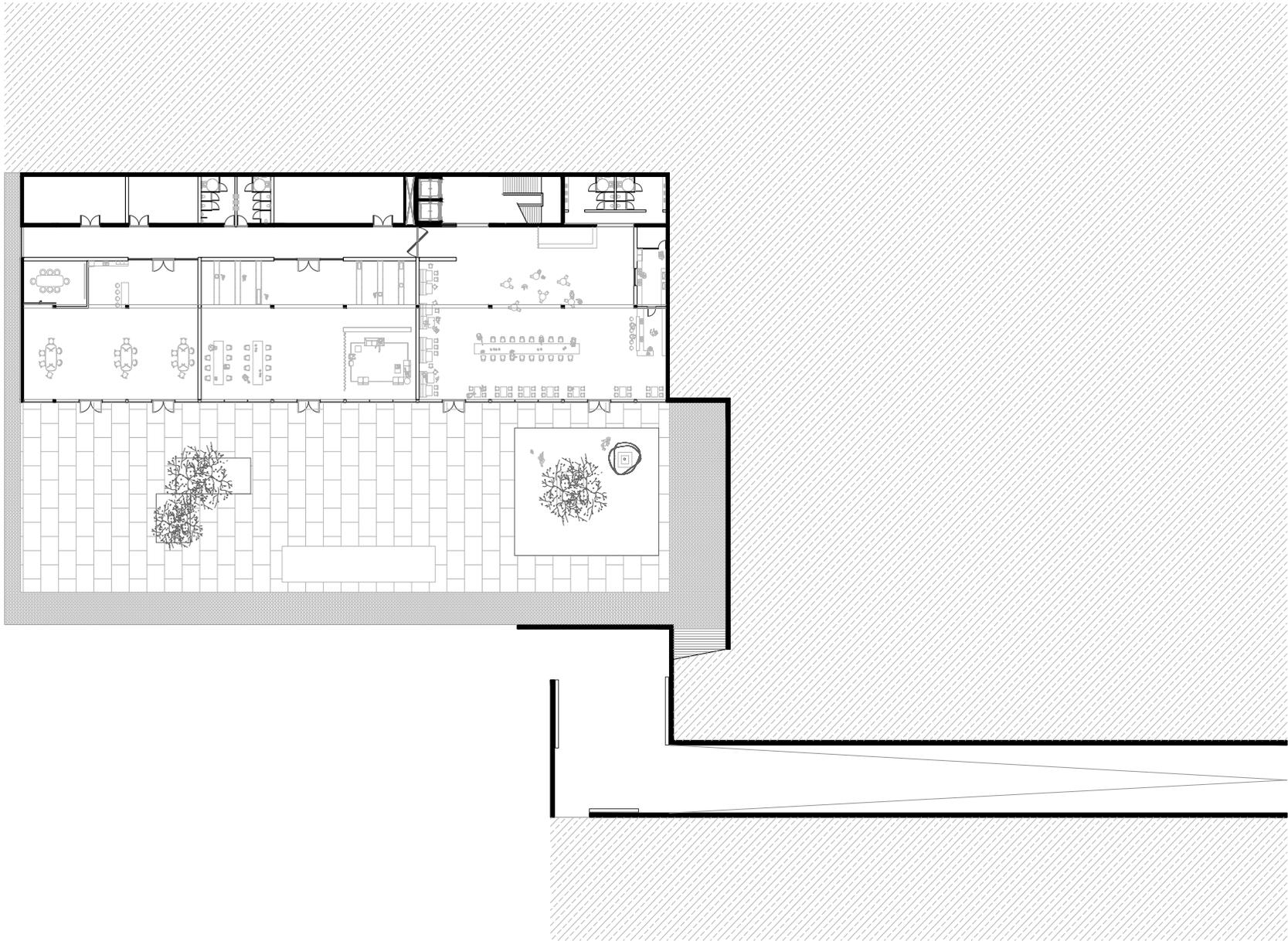


**Belgrade: A Built Plateau**  
*Source: Google Earth*

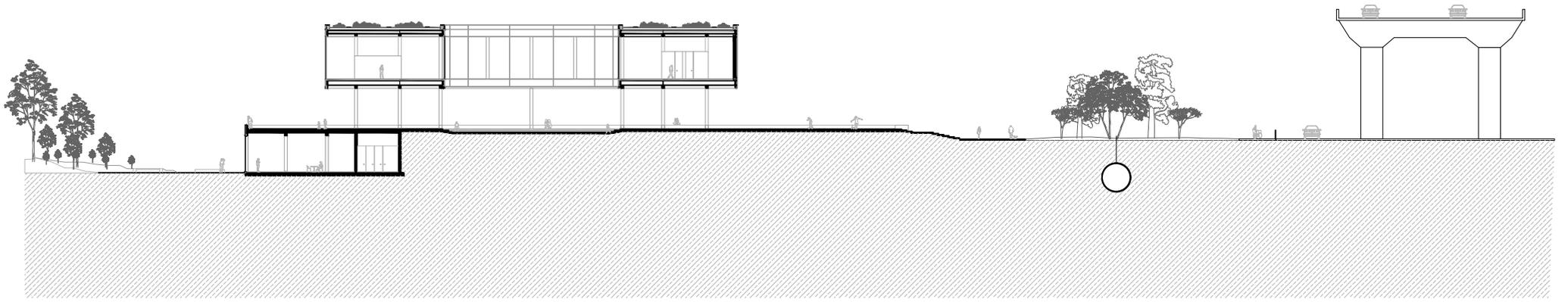


Baubuche - Pollmeier

**Natural Monument: A sense of materiality**  
*can be obtained from sustainable forestry in Mid Europe*

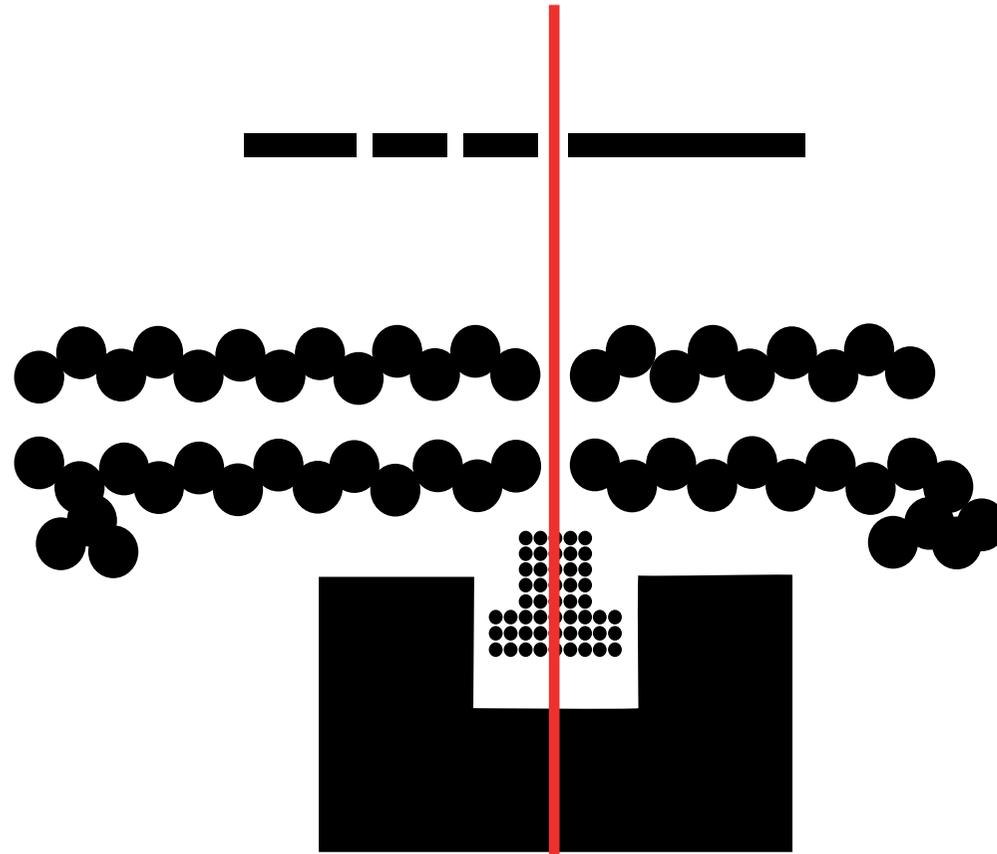


Basement Plan  
1:200



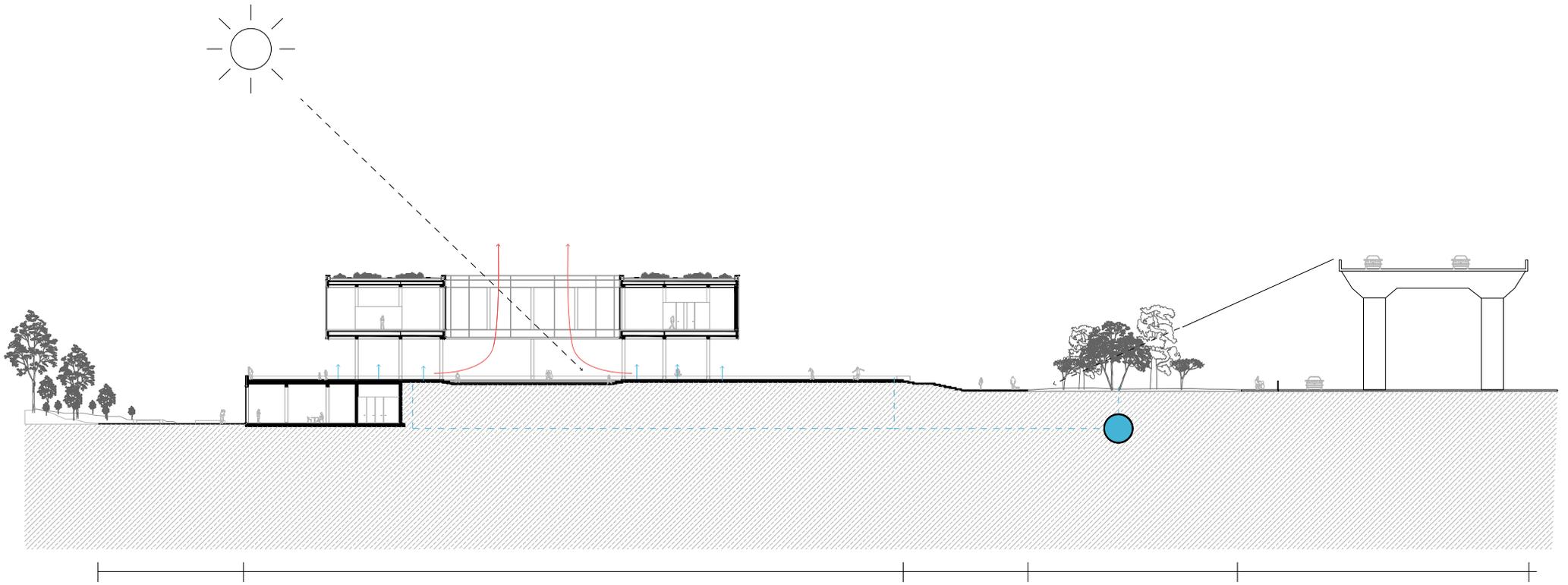
Section AA  
1:200

Open

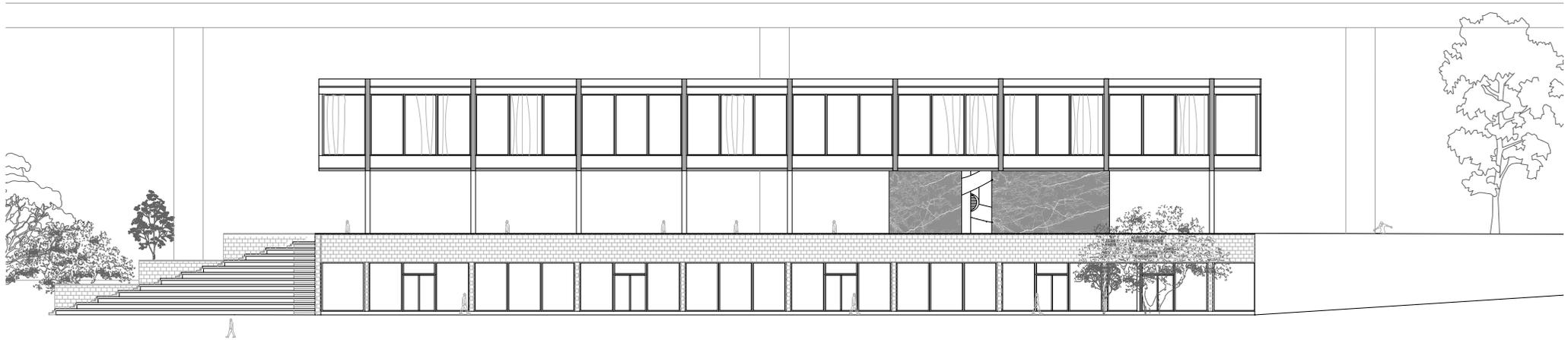


Transitional space

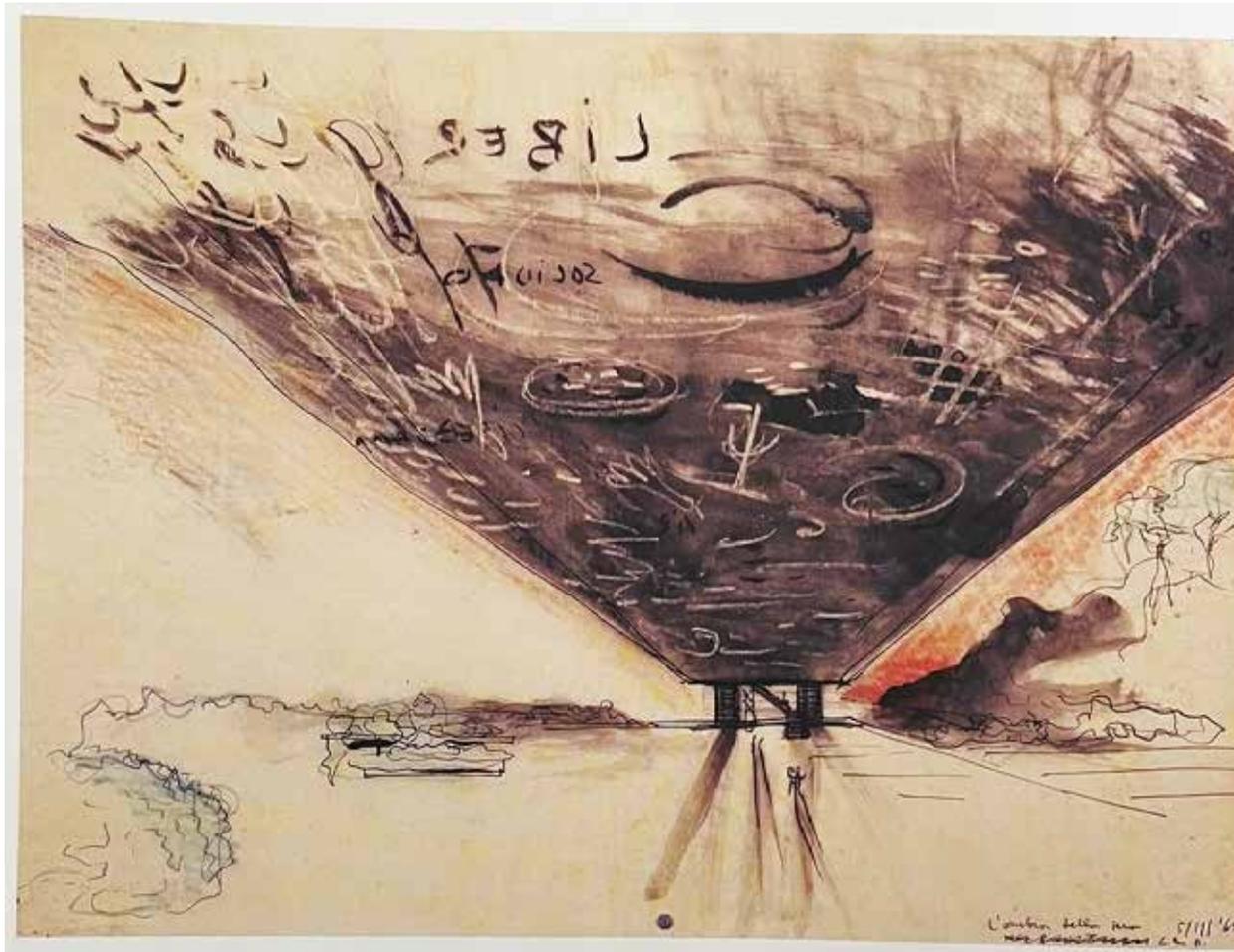
Closed



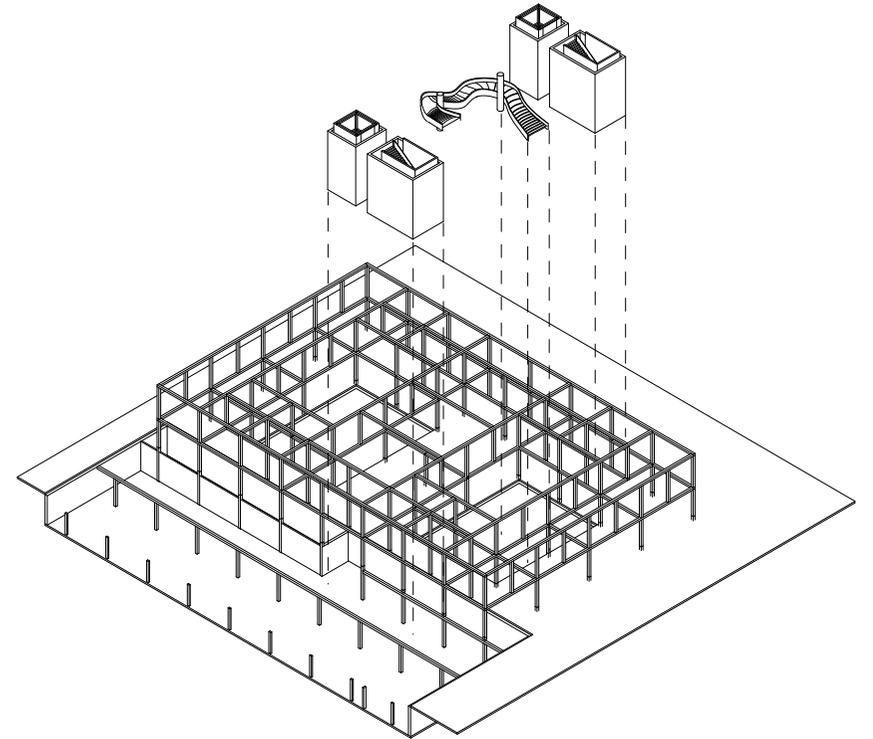
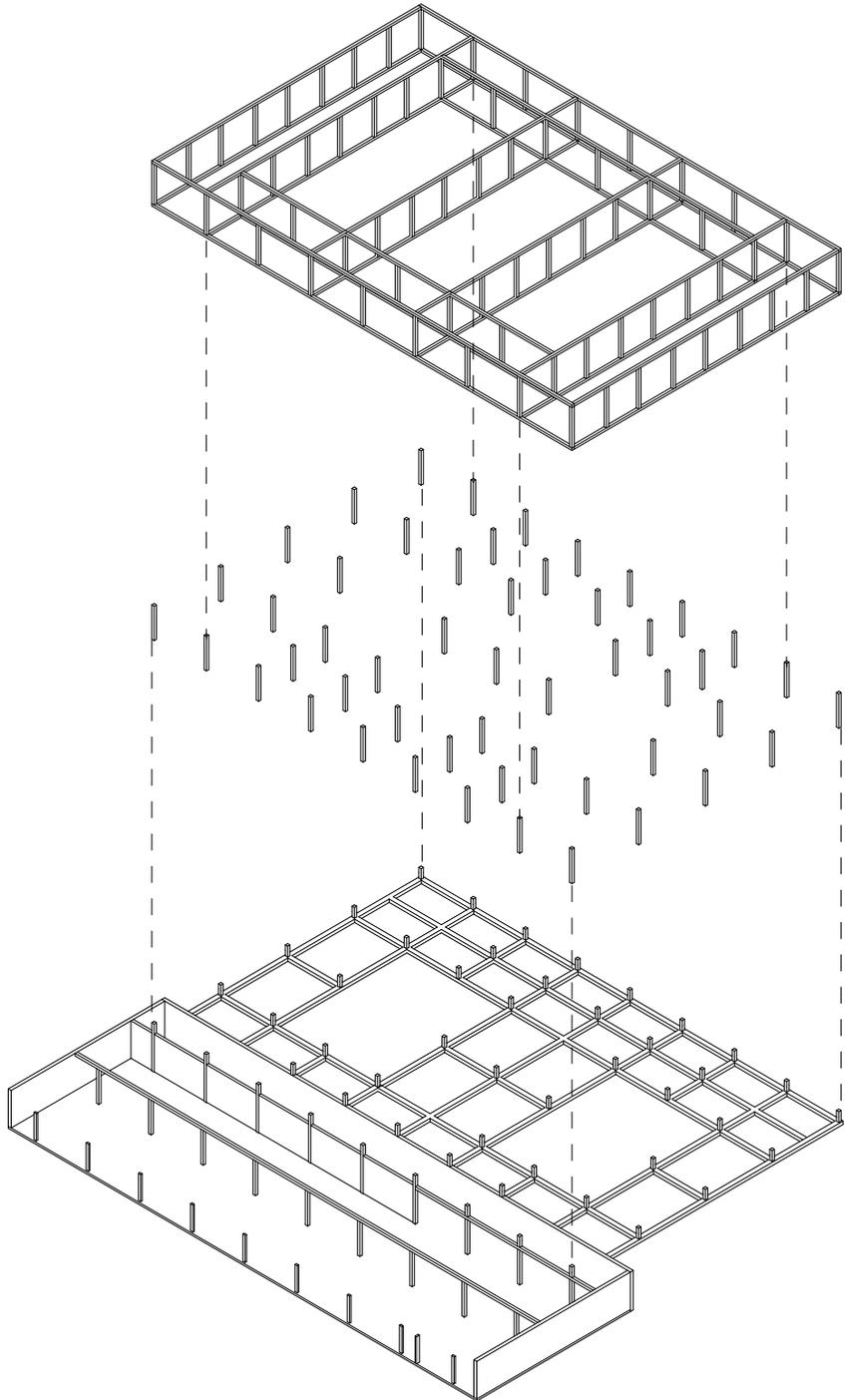
Climate Strategy  
1:200



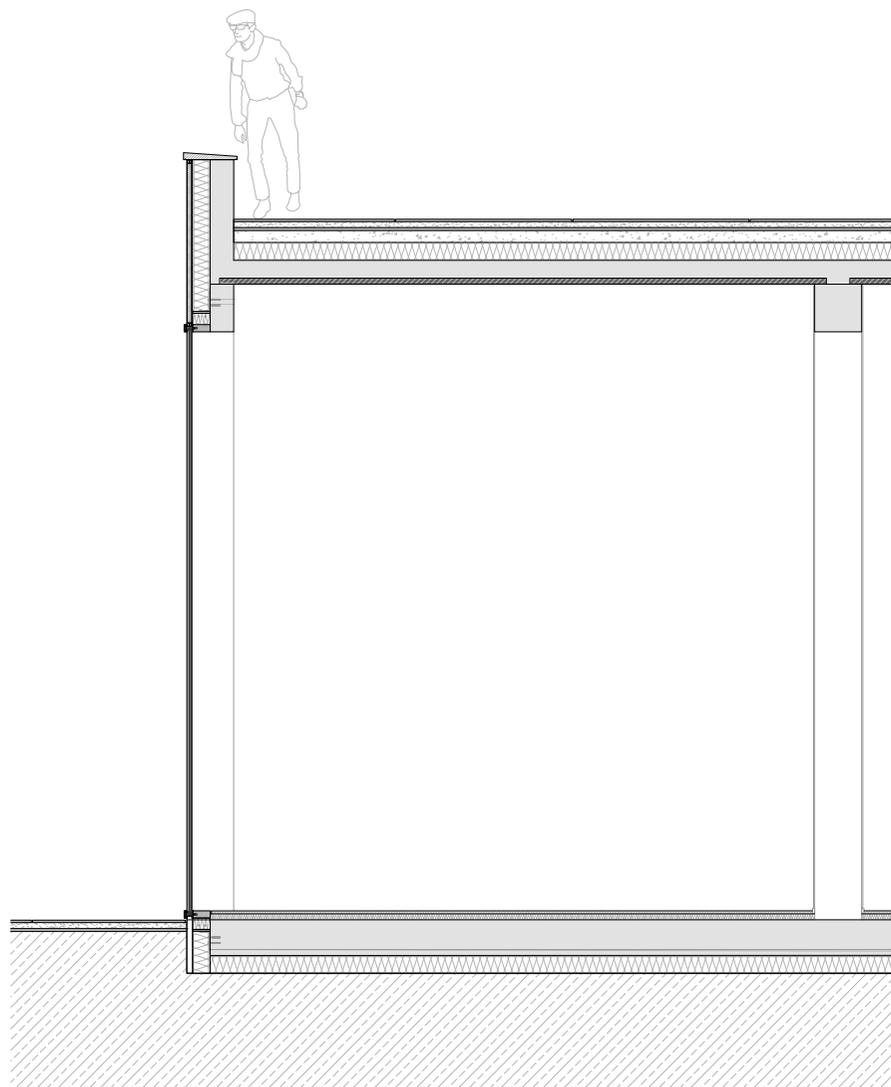
South West Elevation  
1:200



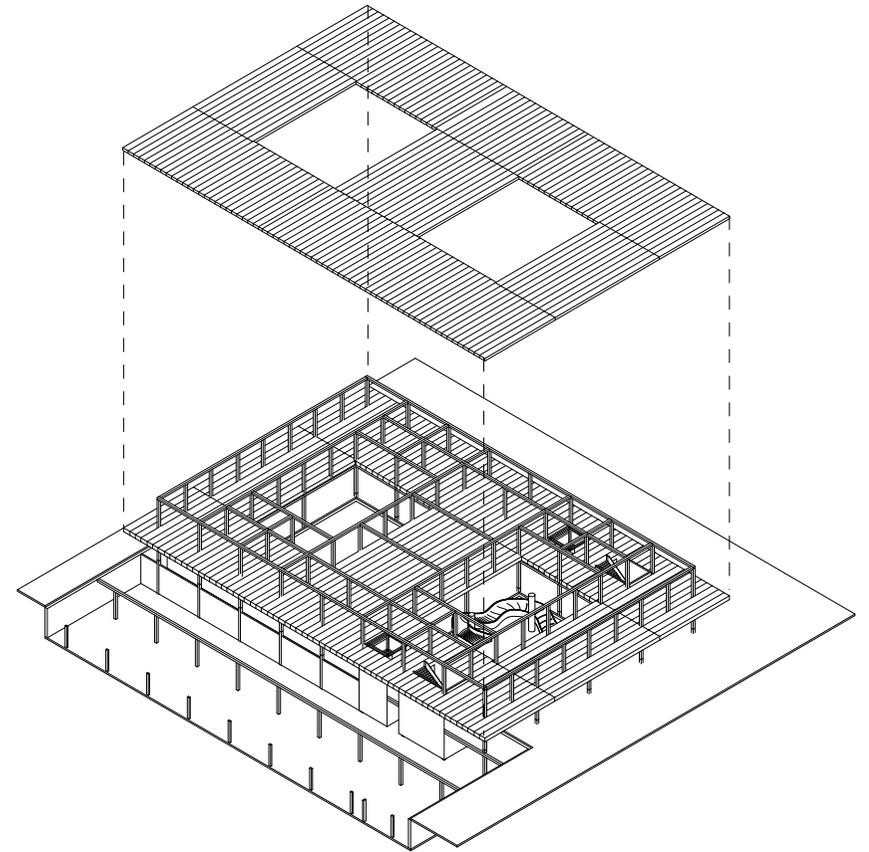
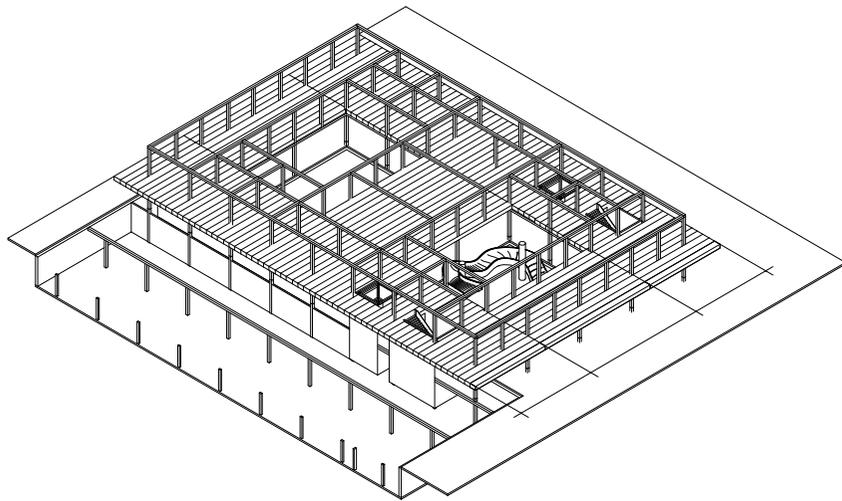
A Stage for Culture, MASP Lina Bo Bardi  
*Sao Paulo, Brazil*



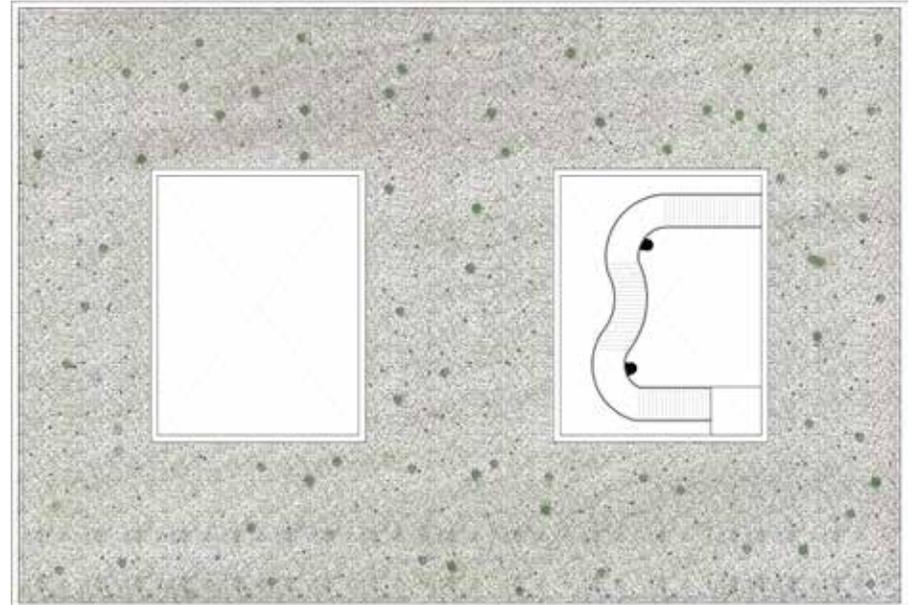
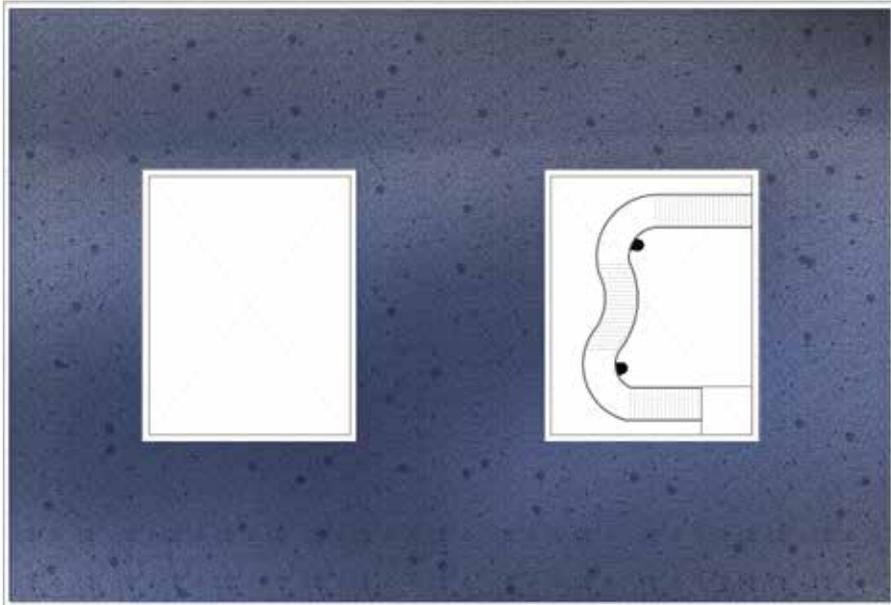
Structural diagram wooden base structure  
*Axo*



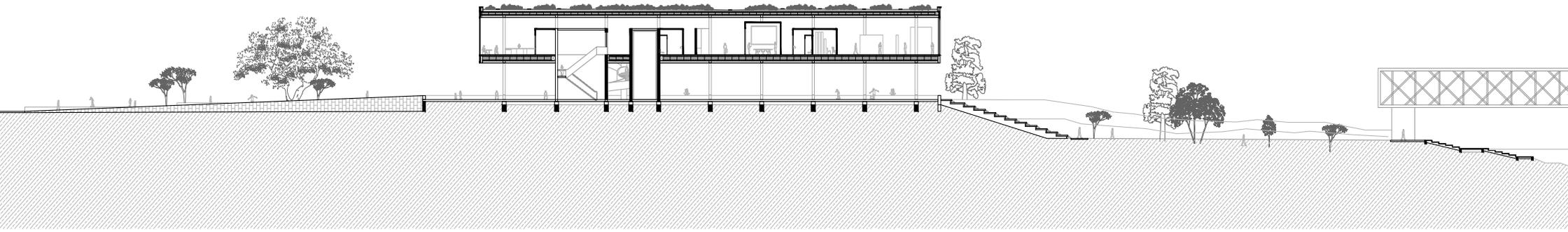
**Basement fragment**  
*1:50*



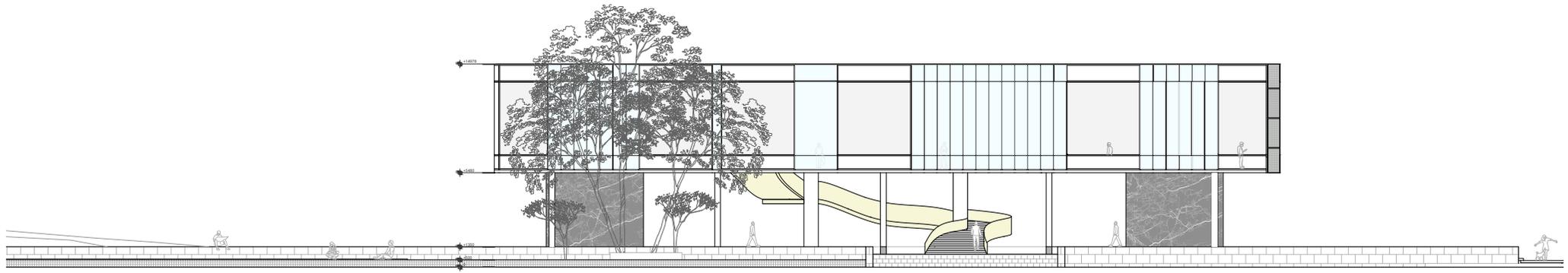
Kielsteg floor system  
*Axo*



**Roof Plan**  
*Summer / Winter 1:200*



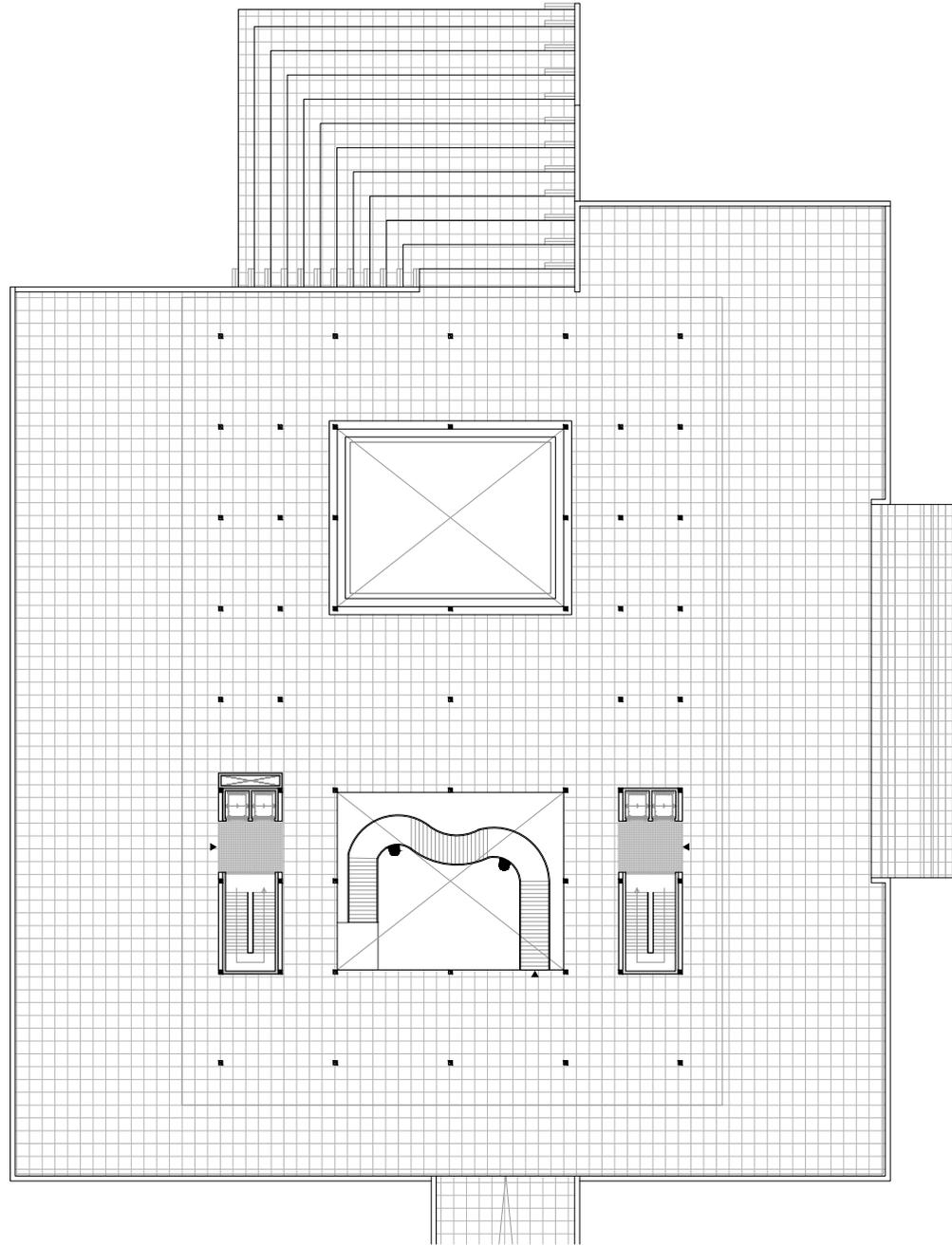
Section BB  
1:200



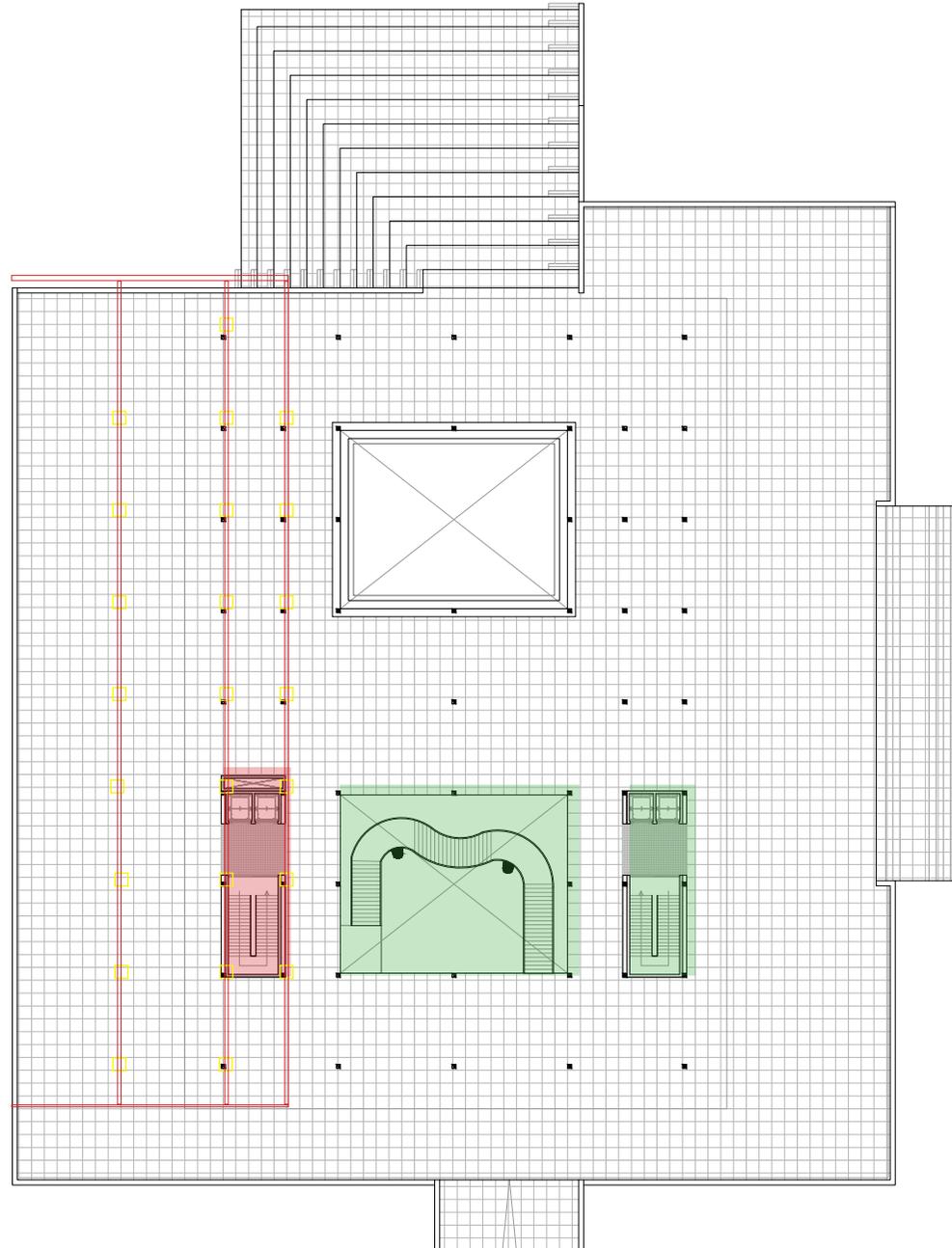
South East Elevation  
1:200



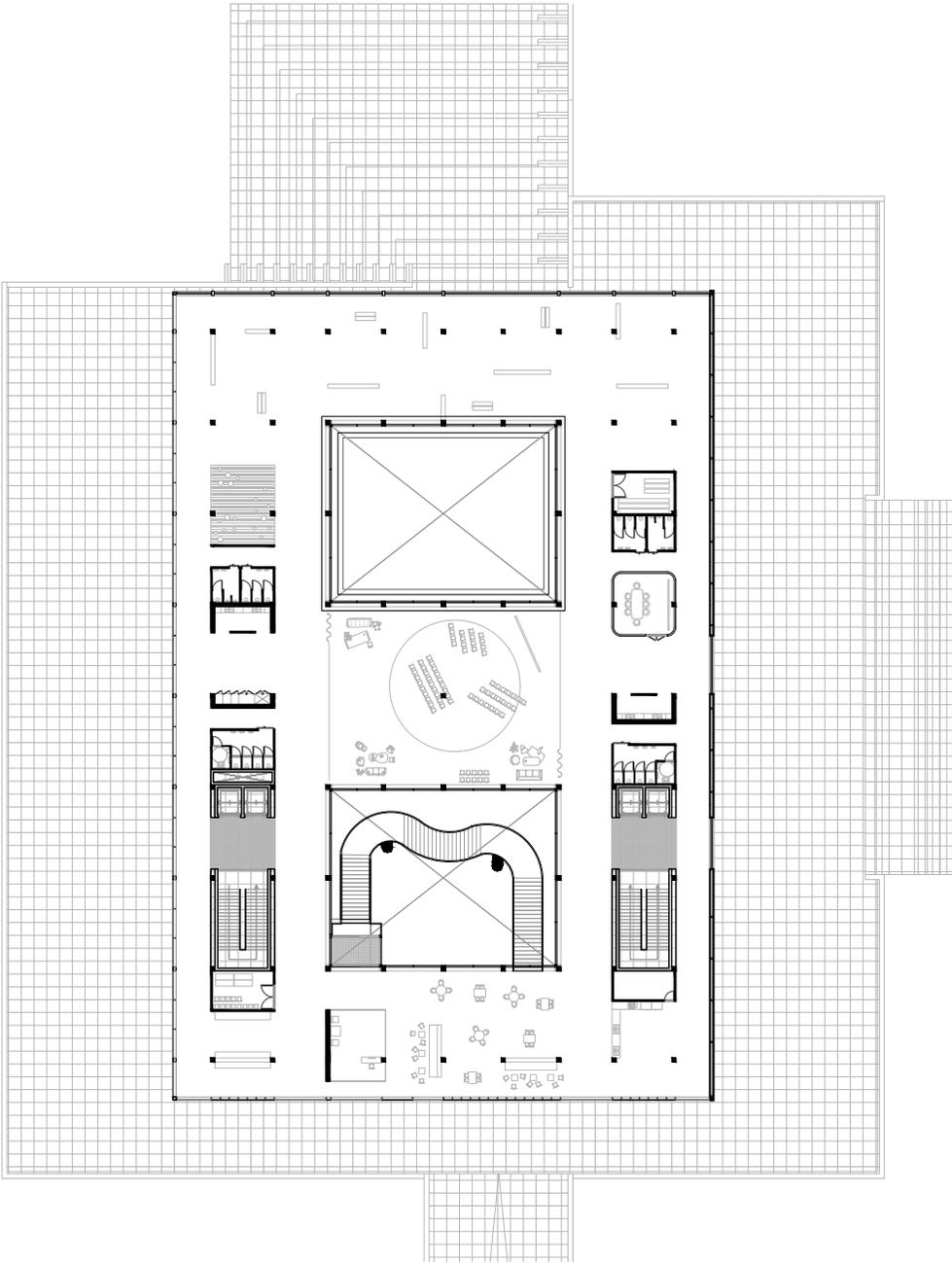
**Neue Nationalgalerie**  
*Source: Behance*



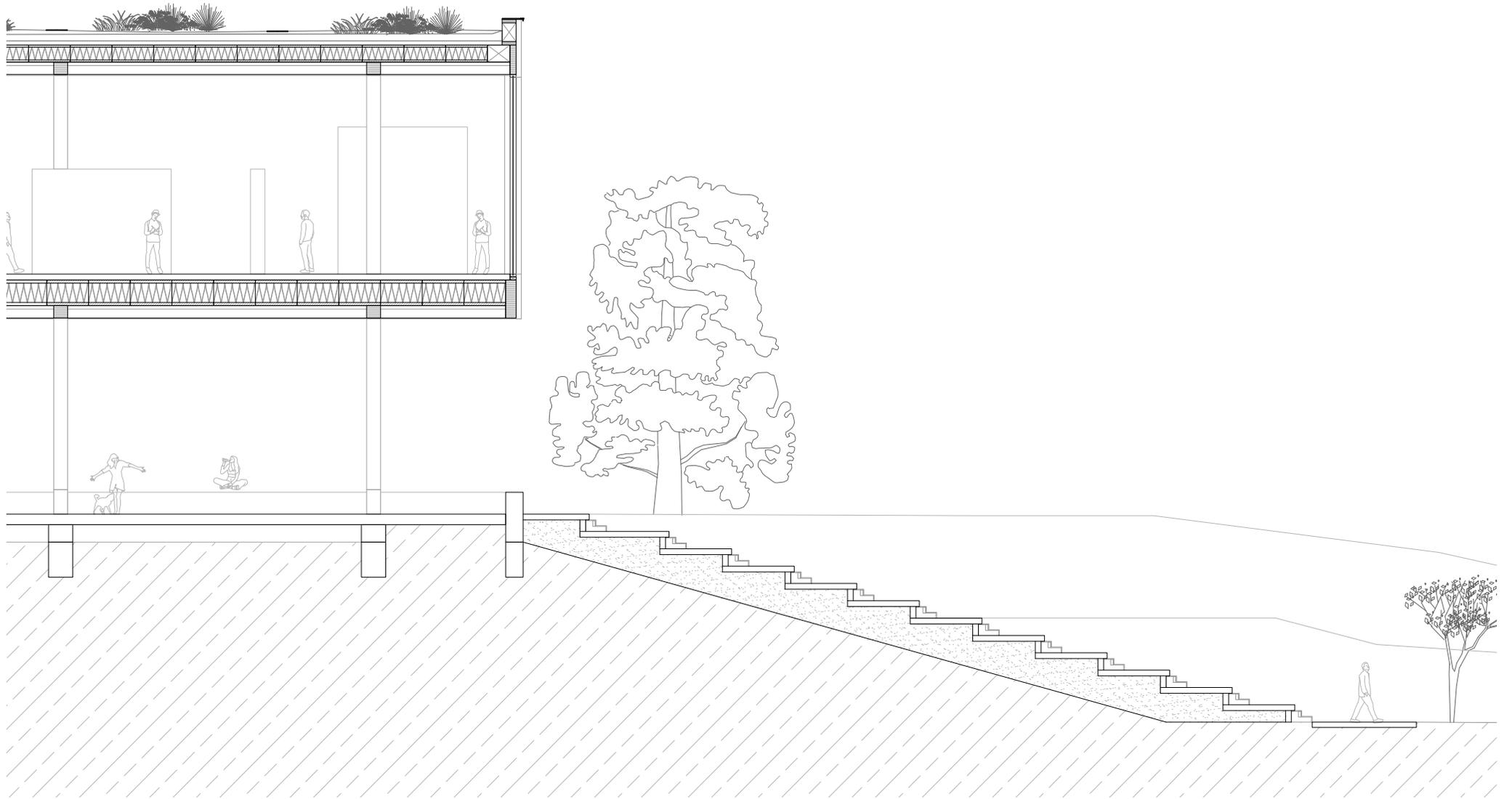
Ground floor plan  
1:200



**Structural Diagram**  
*Relation to upper and lower level.*



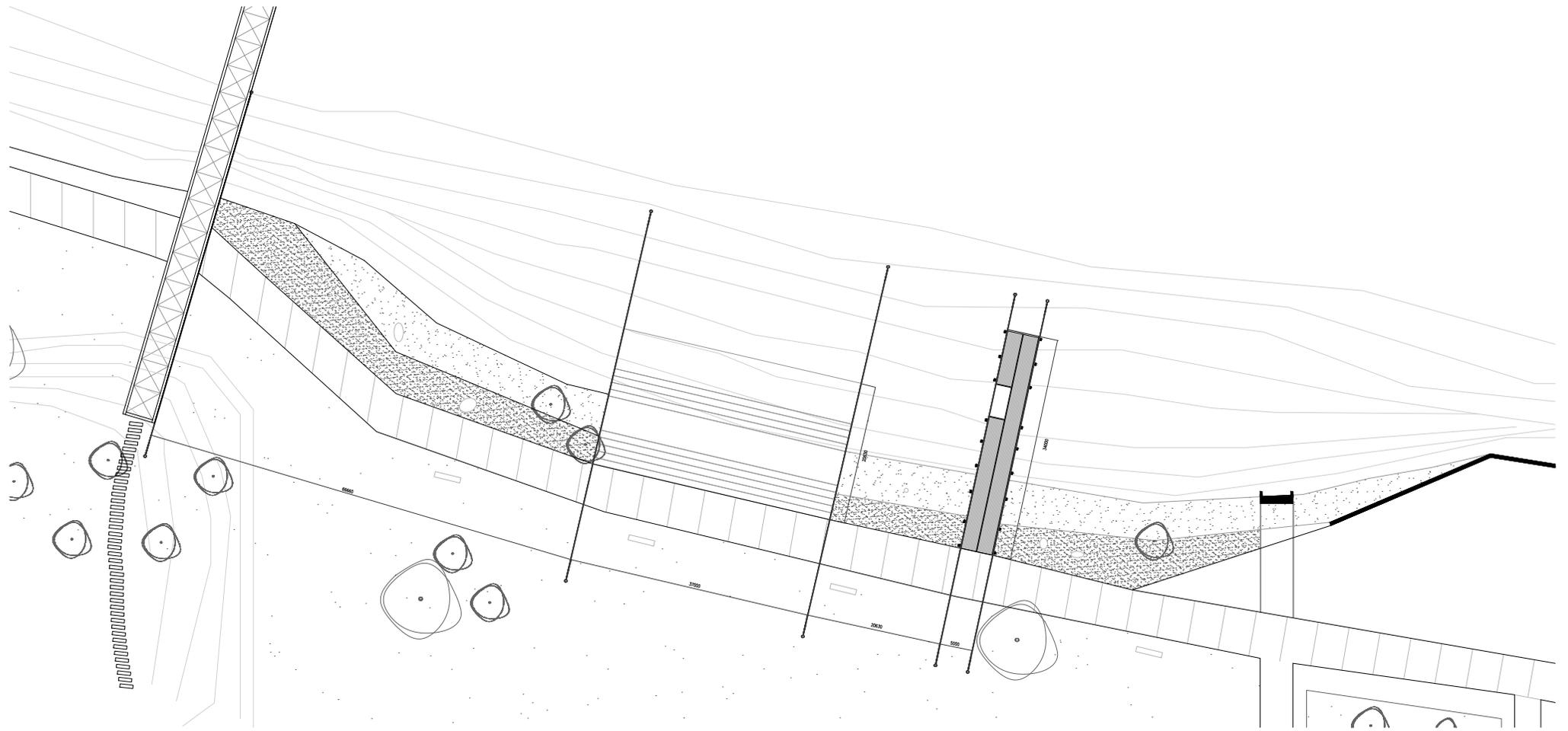
First Floor Plan  
1:200.



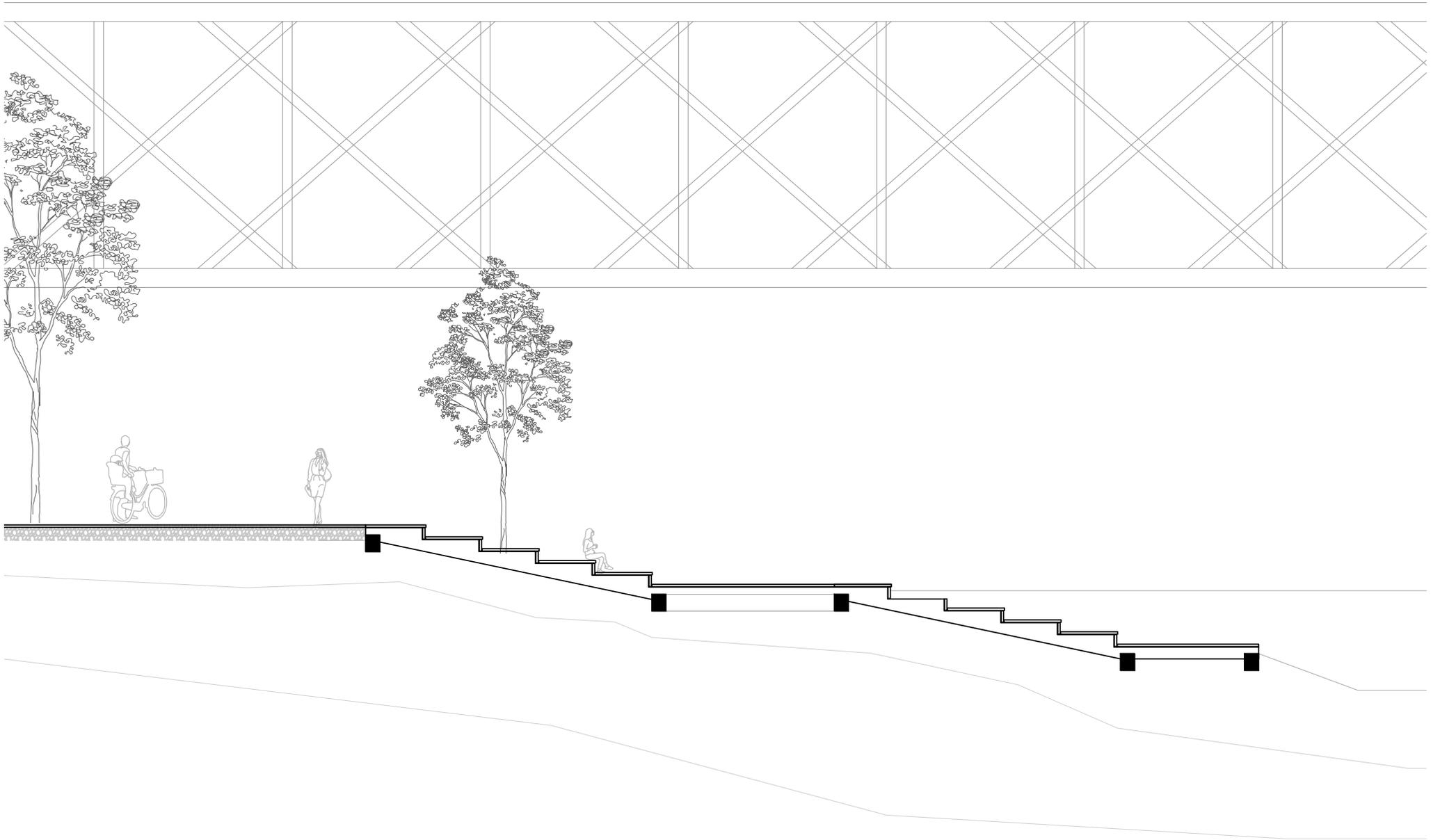
Section Central Staircase  
1:100







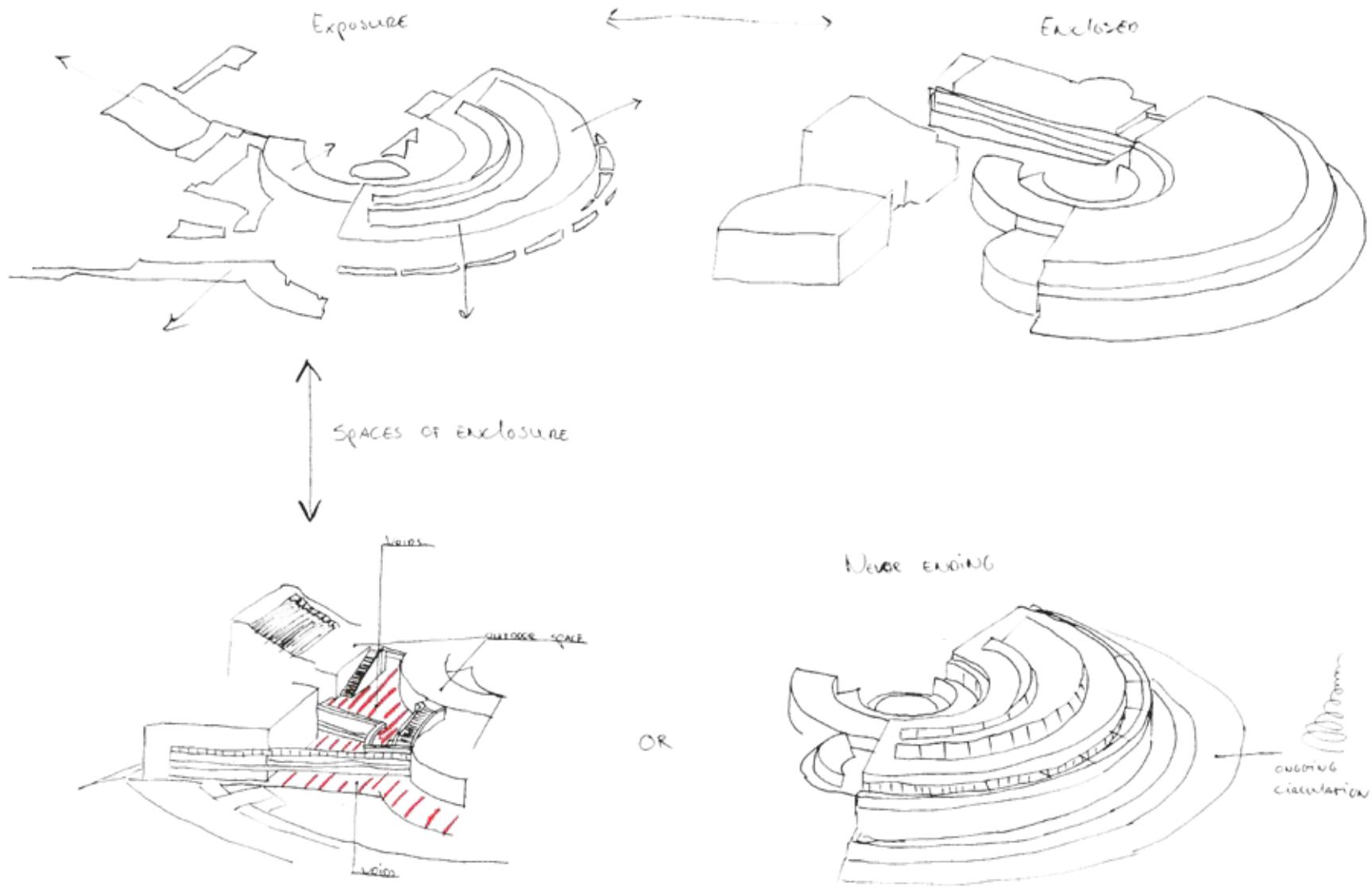
Riverfront plan  
1:500



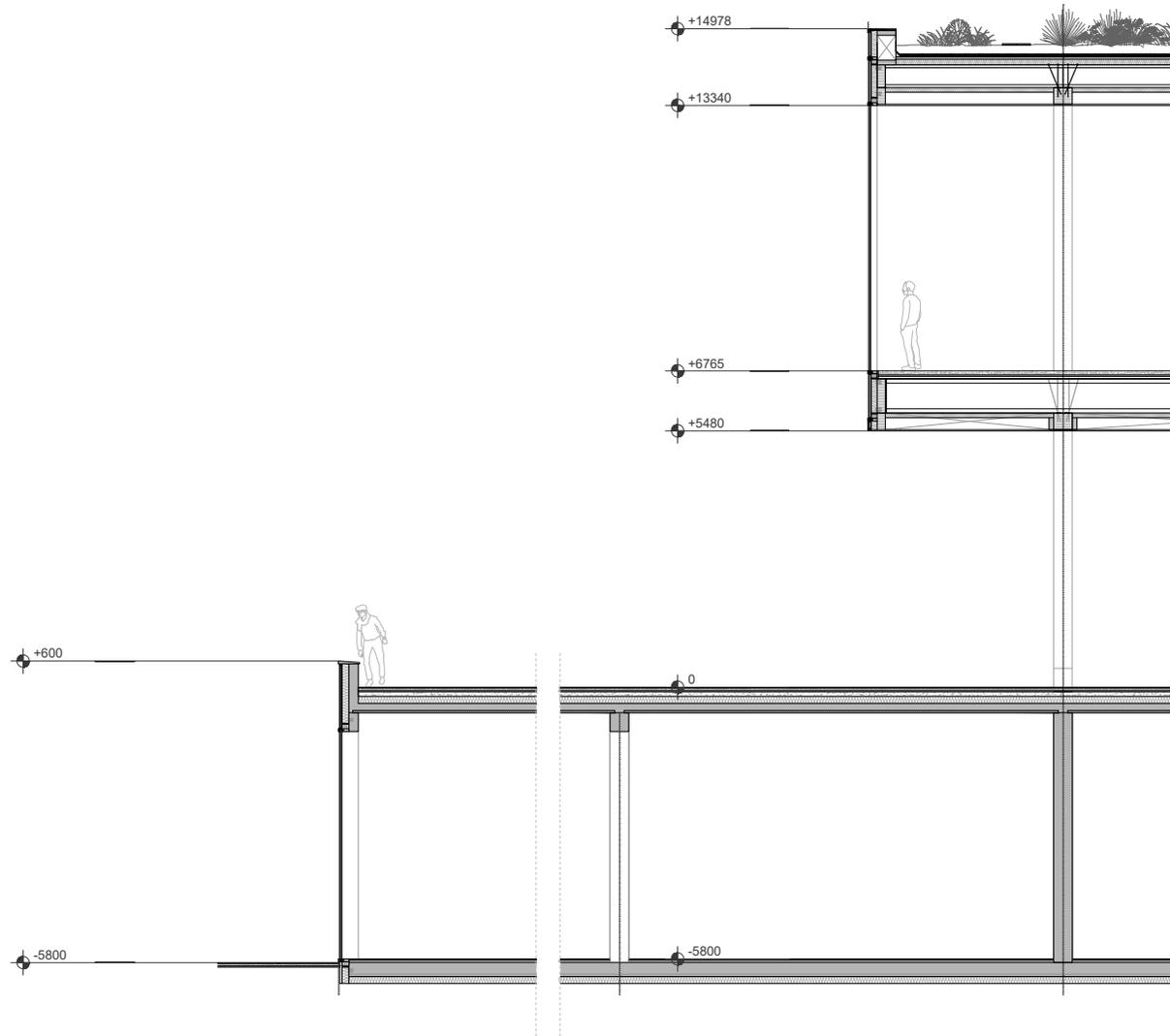
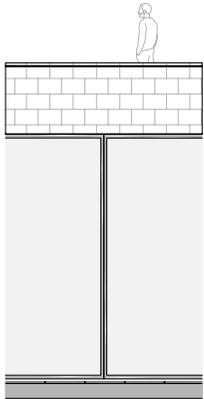
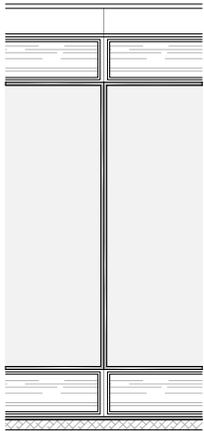
Riverfront tribune view  
1:100



**Biblioteca Virgilio Barco**  
*Rogelio Salmons*



Enclosure vs Exposure  
 Biblioteca Virgilio Barco

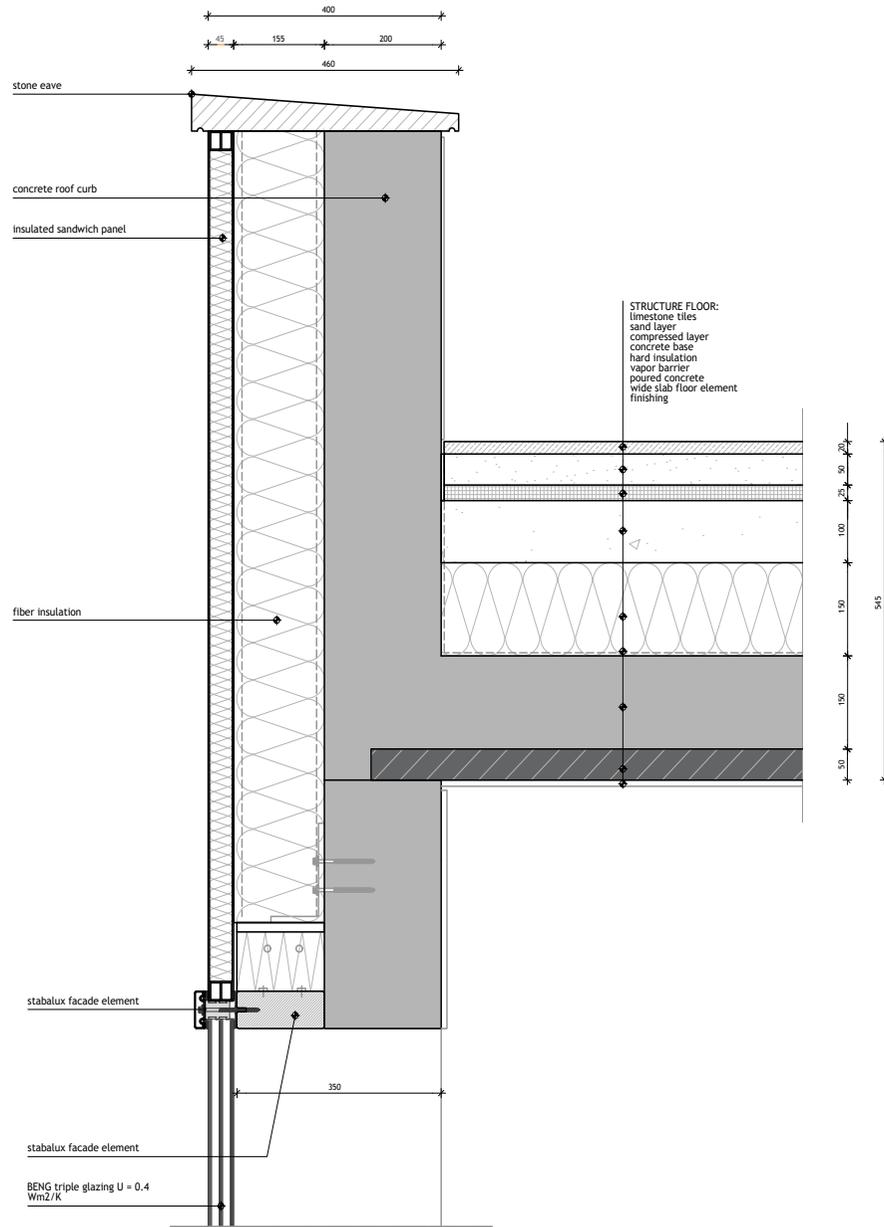


Facade Fragment  
1:20

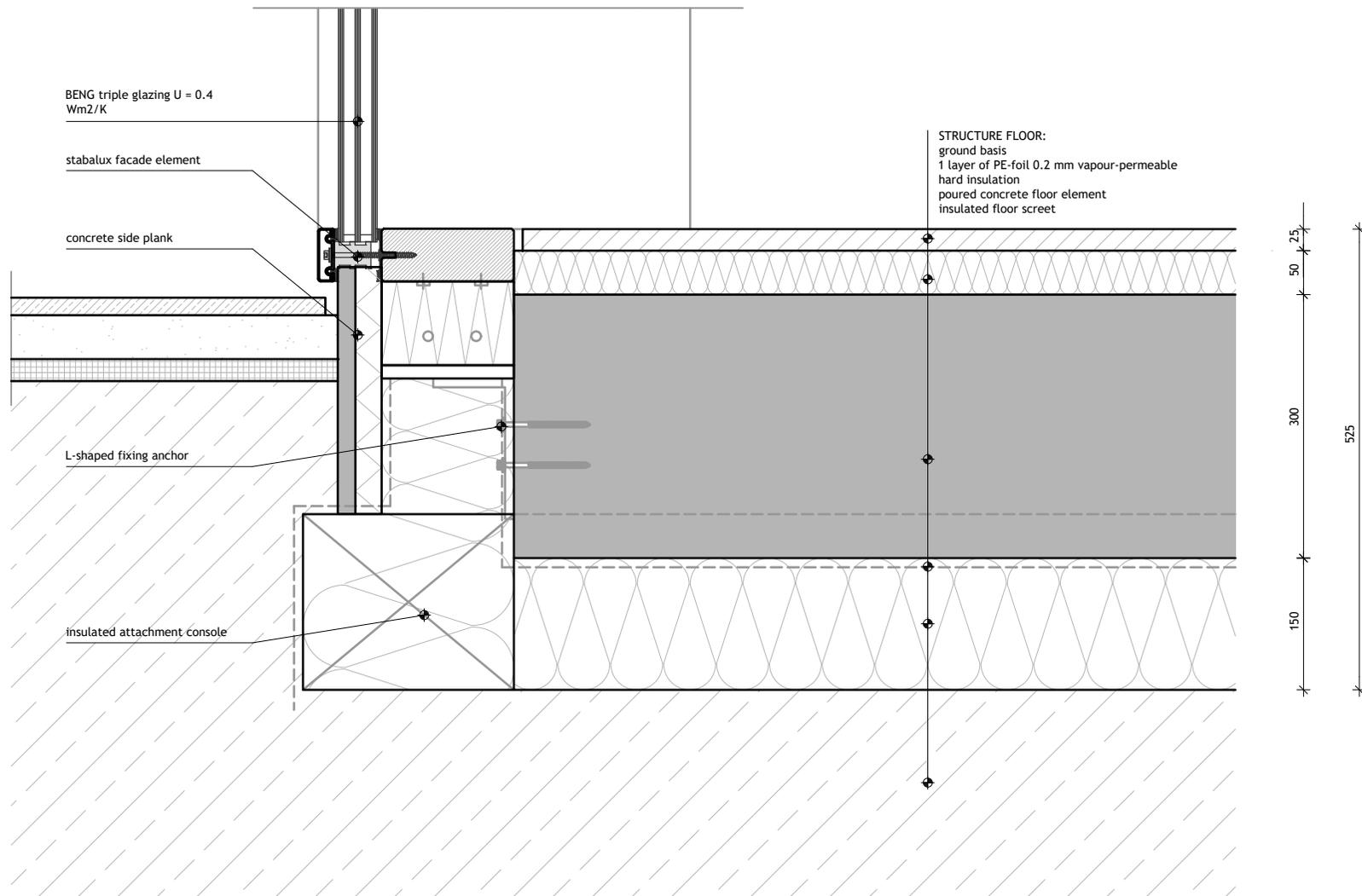


**Crown Hall**  
*Mies van der Rohe*

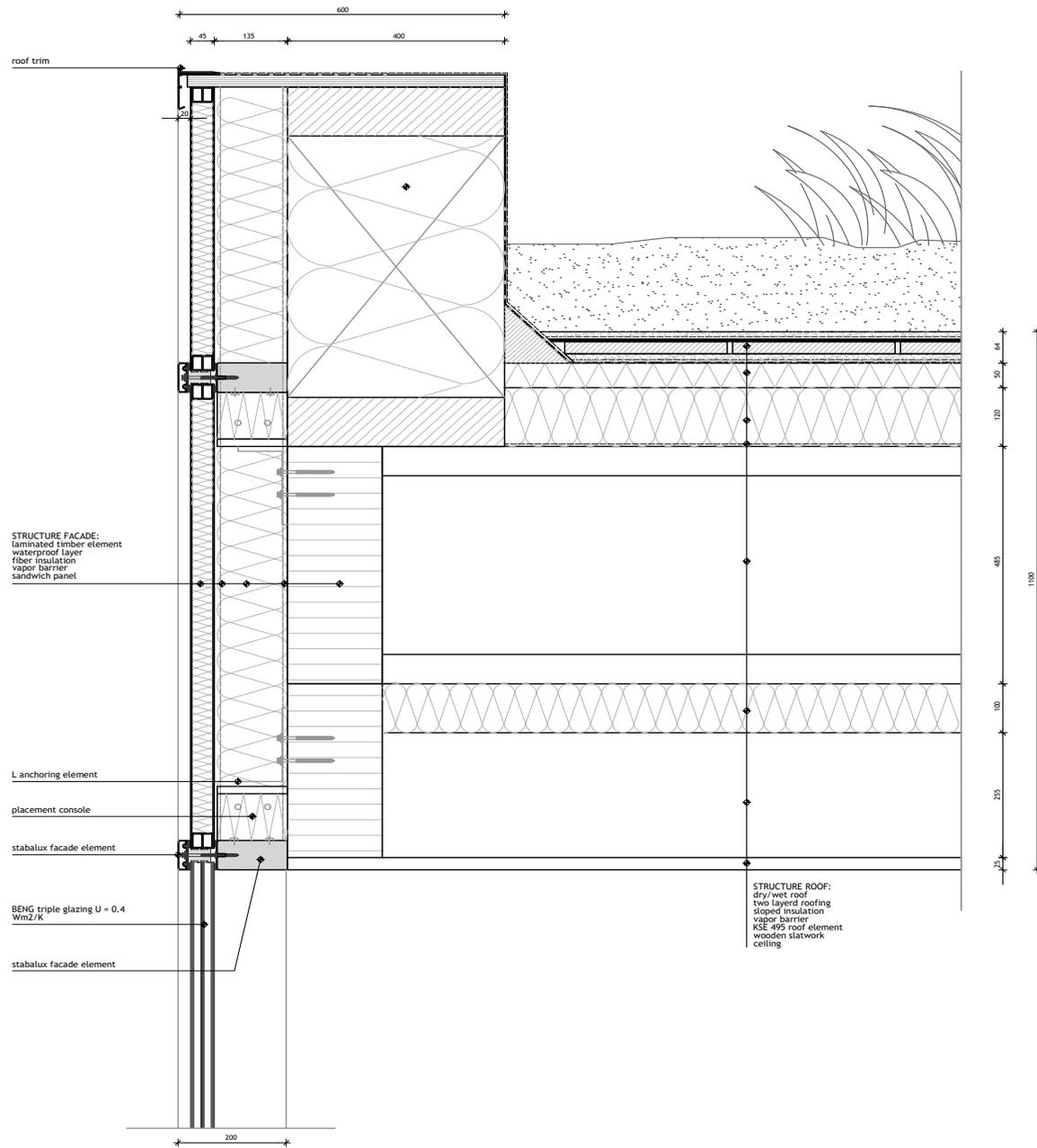




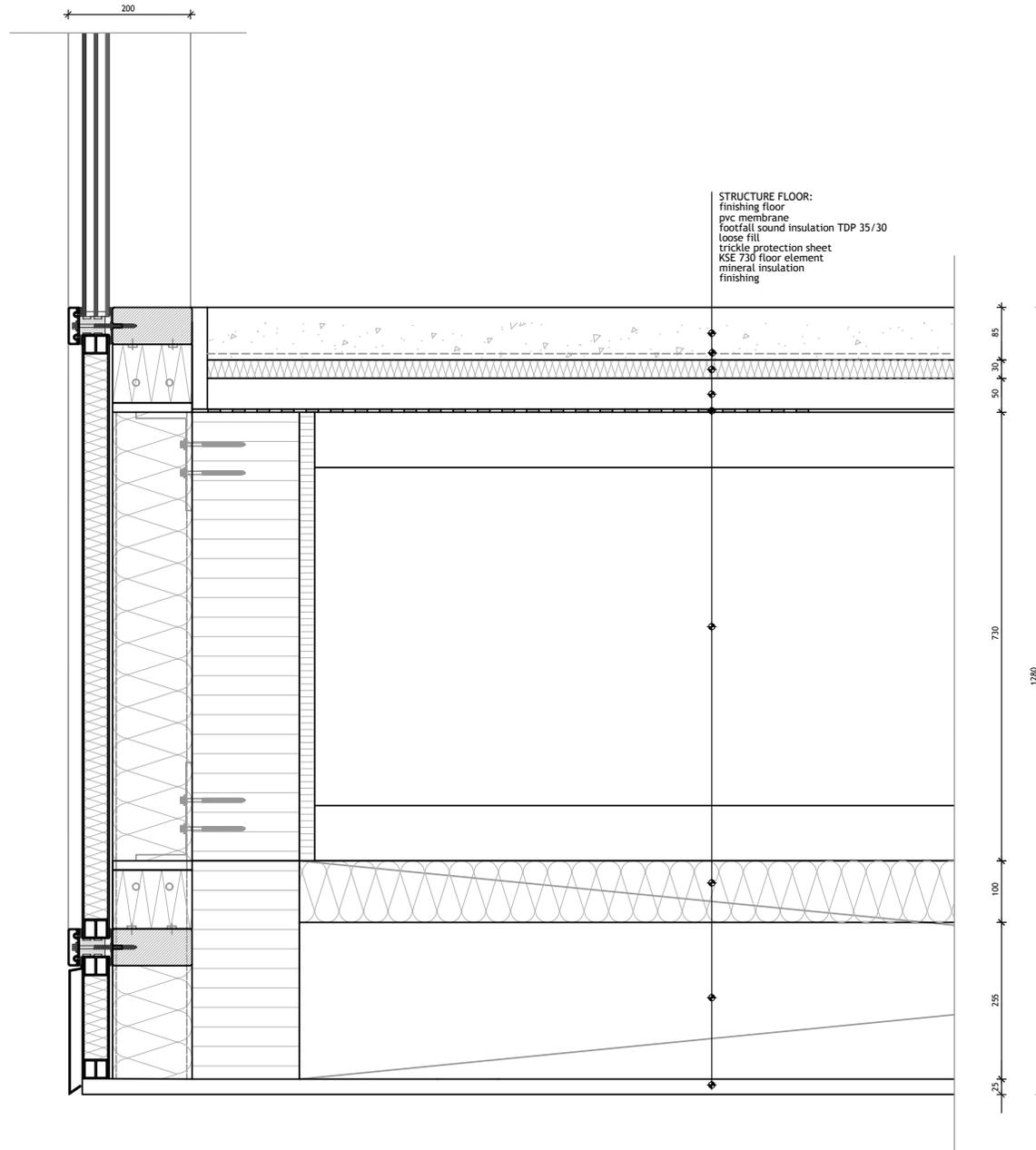
Basement Roof Detail  
1:10



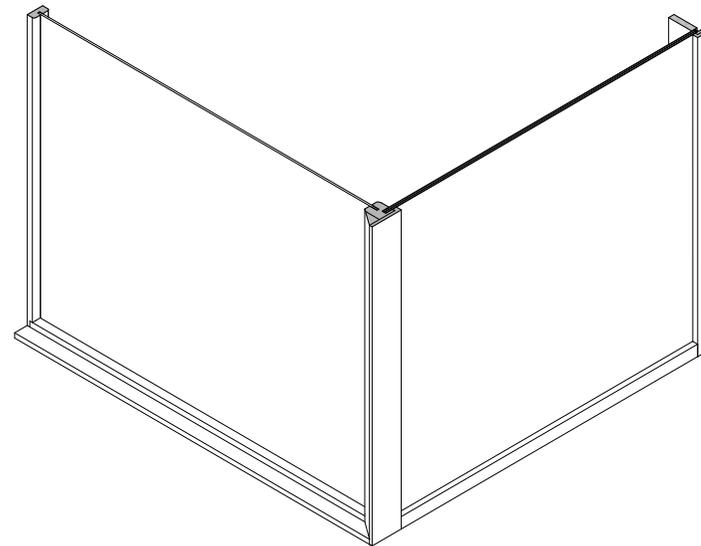
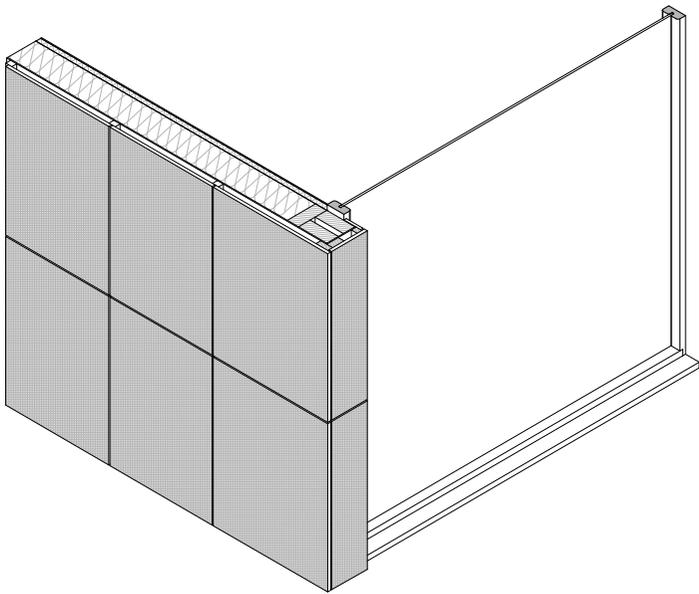
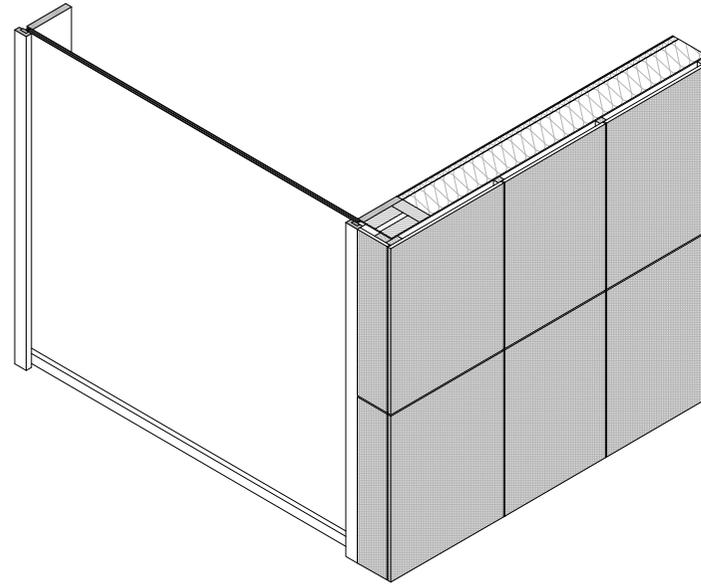
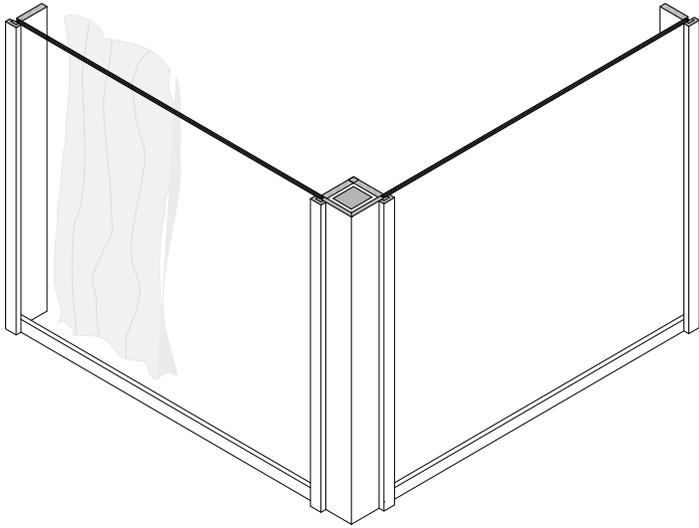
Basement Foundation Detail  
 1:10



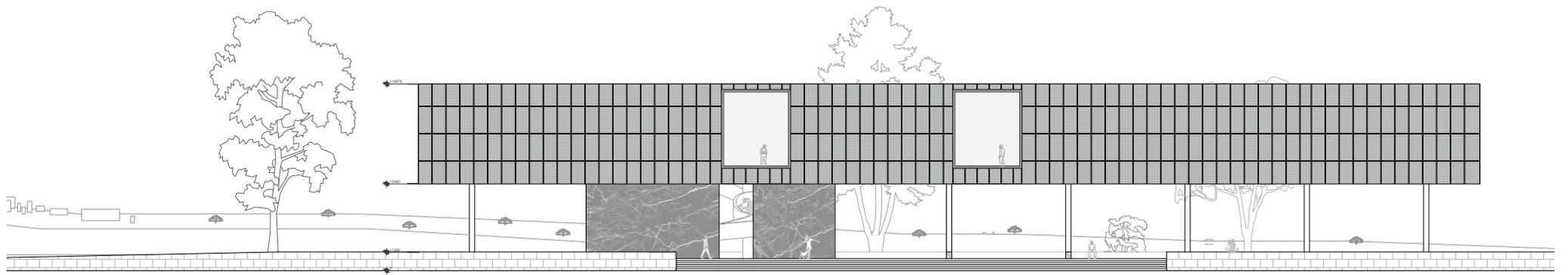
Wooden Roof Edge Detail  
1:10



Covered Square Roof Detail  
 1:10



four different facades  
1:10



North East Facade  
1:200











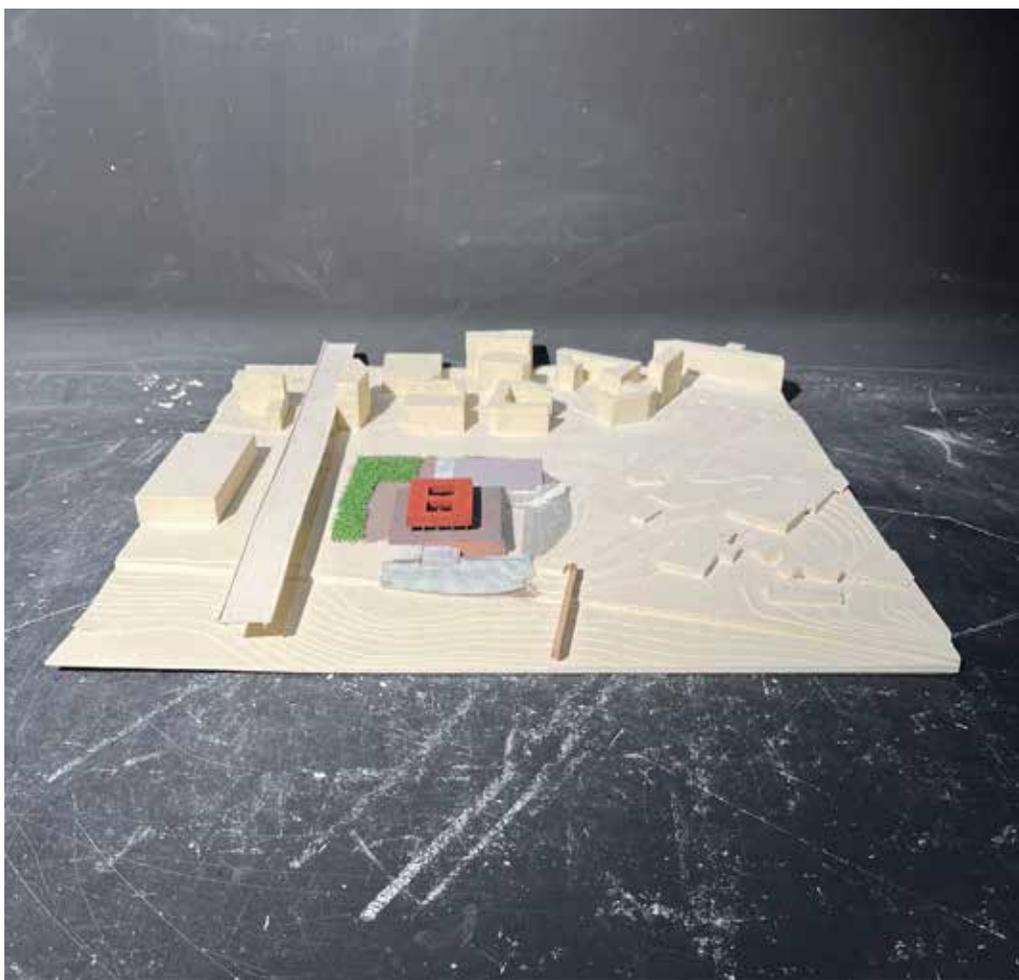


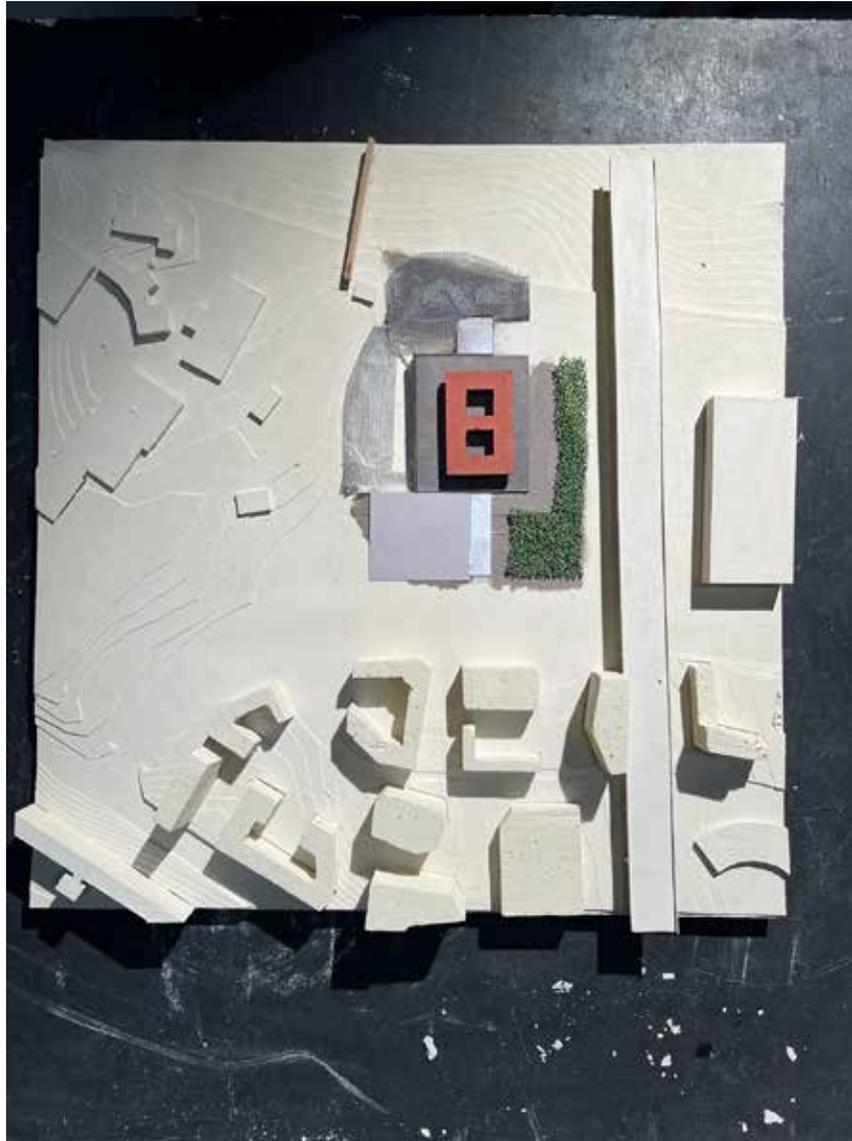












Thank You!