



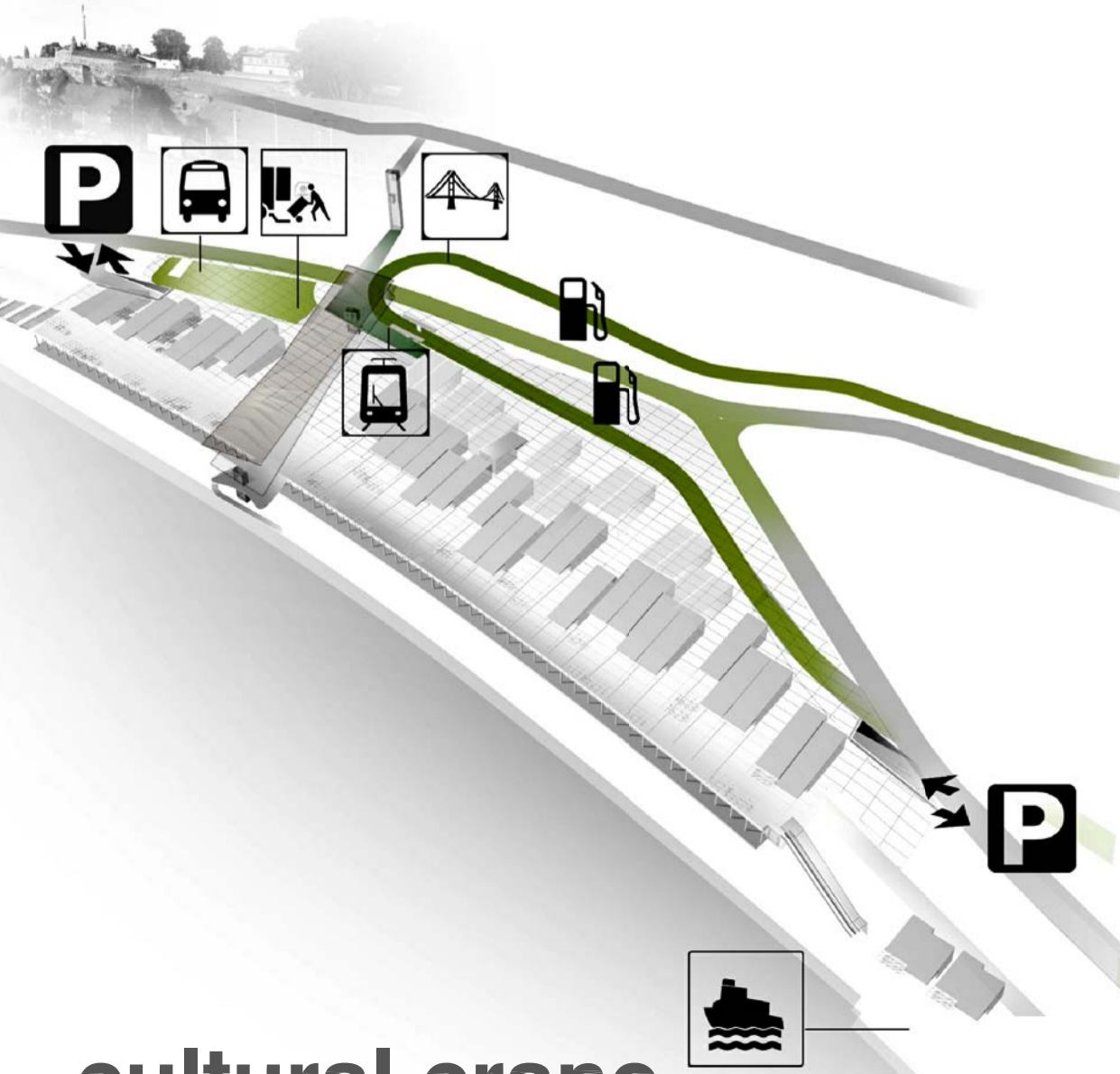
general plan of the area _ 1:1000

Infrastructure hub

The coincidence of various passenger stations requires good pedestrian interconnections. The clear connection between river sidewalk level and terrace level serves also as interconnection between naval station, tram station and bus stop. Furthermore, the visitors that use cars or buses can use the new garage not only to access to the riverside cultural complex, but also Kalemegdan fortress.

To make connections clear, the tram station and the bus parking is positioned just next to the new Cultural Crane link.

As escalators are expensive to be built and maintained, and considering that Kalemegdan hill is also sufficiently height to justify the use of more sophisticated means of vertical connection like cable cabins of track train, the project proposes to use the public lifts in order to help to overpass level barriers. The lifts are integrated in the Cultural Crane building and are located on strategic points, thus the Cultural Crane works as the main vertical and horizontal distributor of the urban operation.



Crossing borders

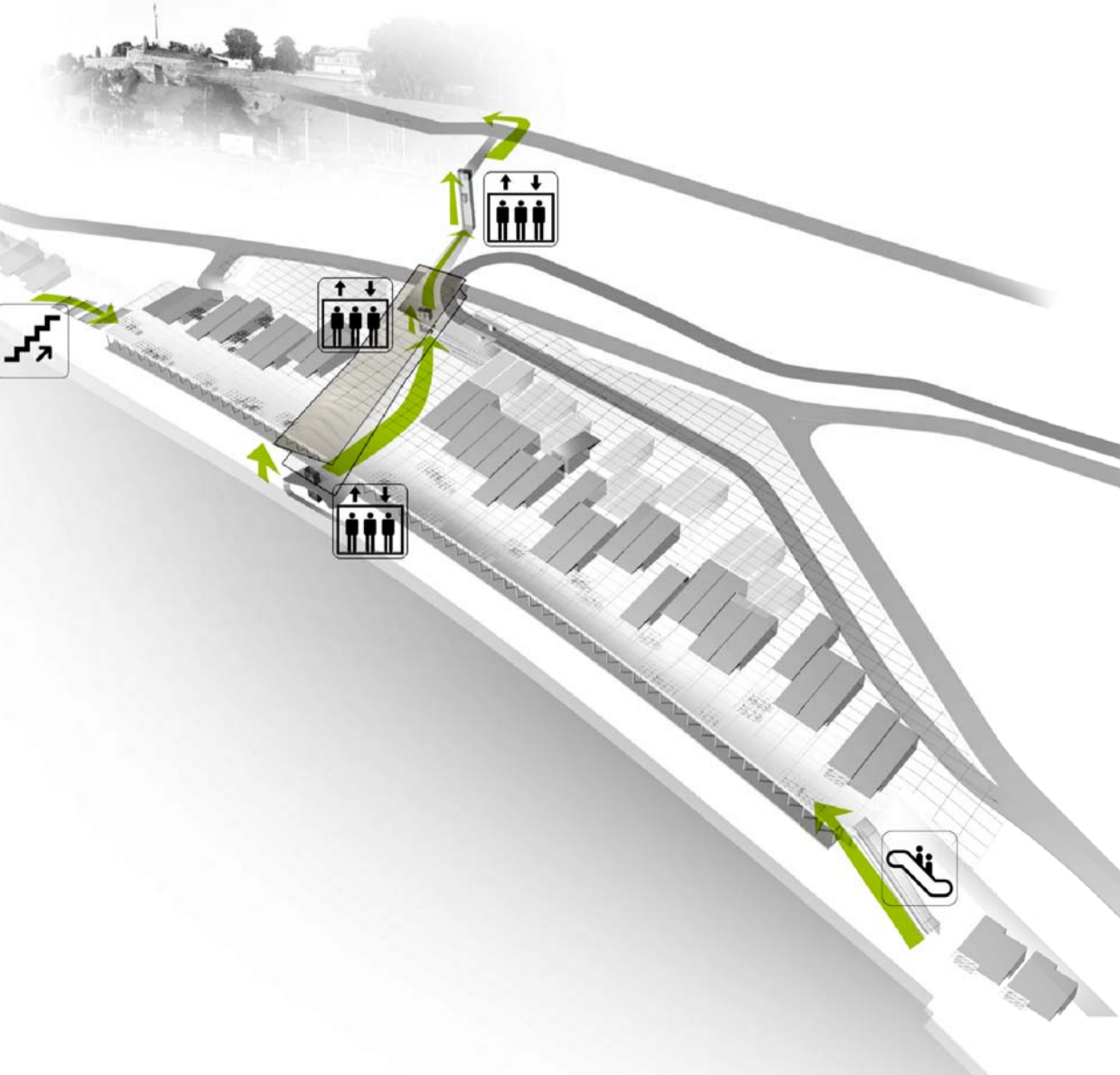
Amount of borders on the site (level differences, infrastructural roads and the building of Beton-hala itself) will be over crossed in one clear and strong way, which at the same time will promote the cultural-artistic identity of the complex.

The cultural building hosting the public-exhibitions becomes the main character and organizer of the new urban operation. This new building maintains and enhances the identity of the cultural complex and presents itself as a new infrastructure landmark.

The cultural building is visible enough from the lower riverside at pedestrian level, and visitors can be directed to it since it can be recognized also as a new connection to upper levels. Beton-hala was previously the warehouse, and this new building follows in metaphorical sense the idea of a crane transporting the people from one level to the other, from one side to another - a Cultural Crane making a reference to the industrial past of the site port.

Besides the cultural building as a crane link, there are two other important connections from riverside level to the terrace level, created over Beton-hala's roof. They are one at both sides of Beton-hala, and they allow access to the terrace level from all important points following the direction of riverbank axis.

The new urban complex also very well connects to the nearby city district of Kosančićev Venac allowing more and different pedestrian links.

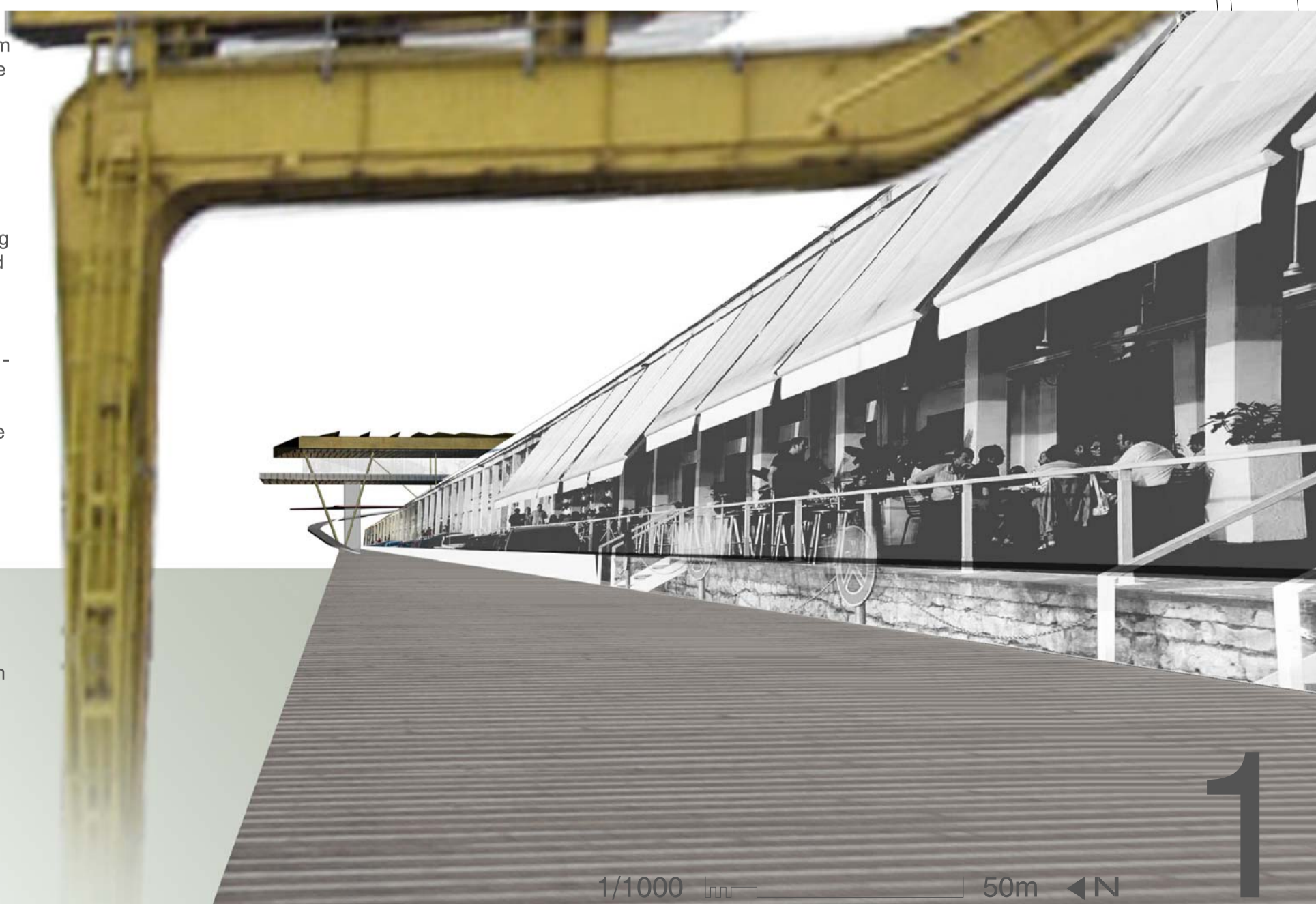


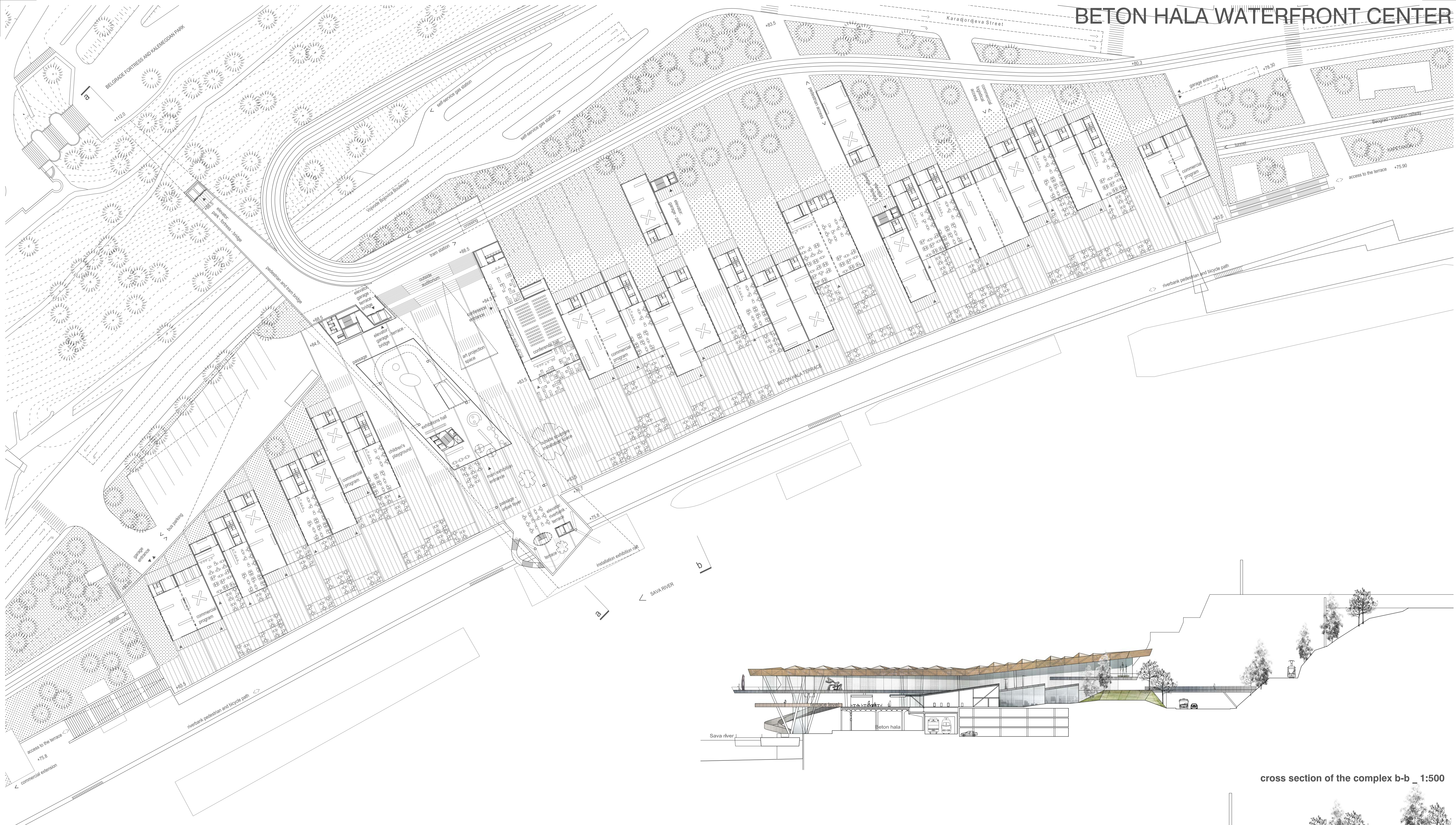
Scale and views

In an extremely important urban context, the project approaches the scale problem in a very subtle manner. In one hand, the project does not compete with Kalemegdan presence, neither with Beton-hala. In the other hand, it never loses its representativity. The intervention emphasizes small and dispersed pavilions rather than big volumes that could interfere with existing landscape. The largest volume proposed (Cultural Crane hosting the exhibition space) is configured as terraces - art plateaus, elements that are extremely horizontal and present in the wider area - the rivers and big built infrastructure landmarks: bridges, Beton-hala warehouse and Kalemegdan fortress are standing up around the site in harmonic relationship.

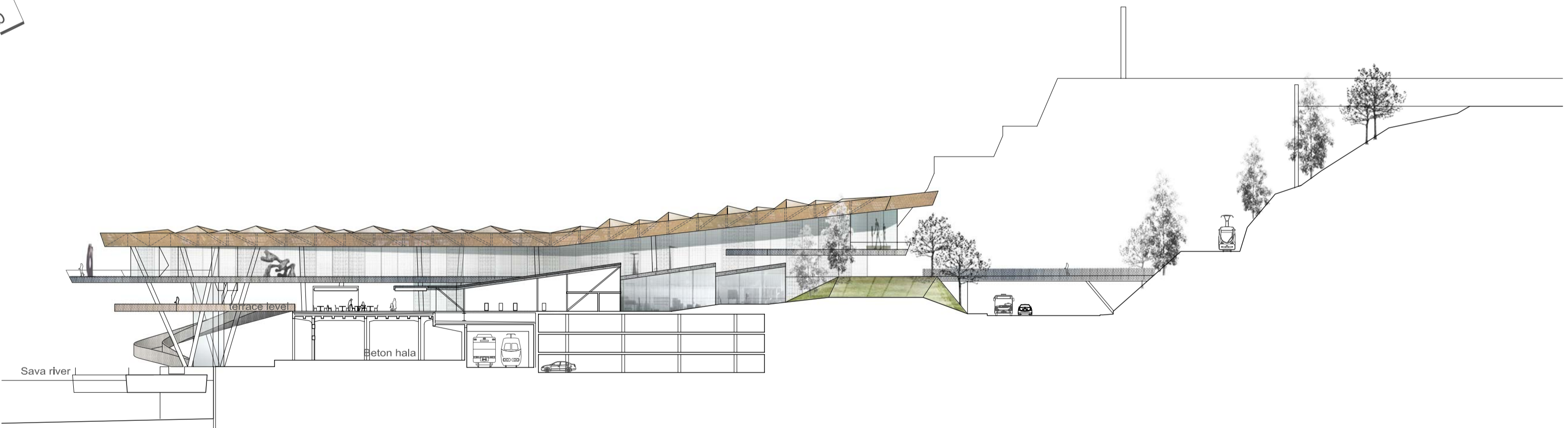
The commercial and service program is organized in one to two stories pavilions adjusting its scale to the city structure, avoiding unnecessary shopping-mall big structures.

The views are maintained and framed on all different levels of pedestrian link allowing clear orientation in the space. The proposed Crane building is perpendicular to the slope; it does not block pedestrian views from the new bridge plateau.

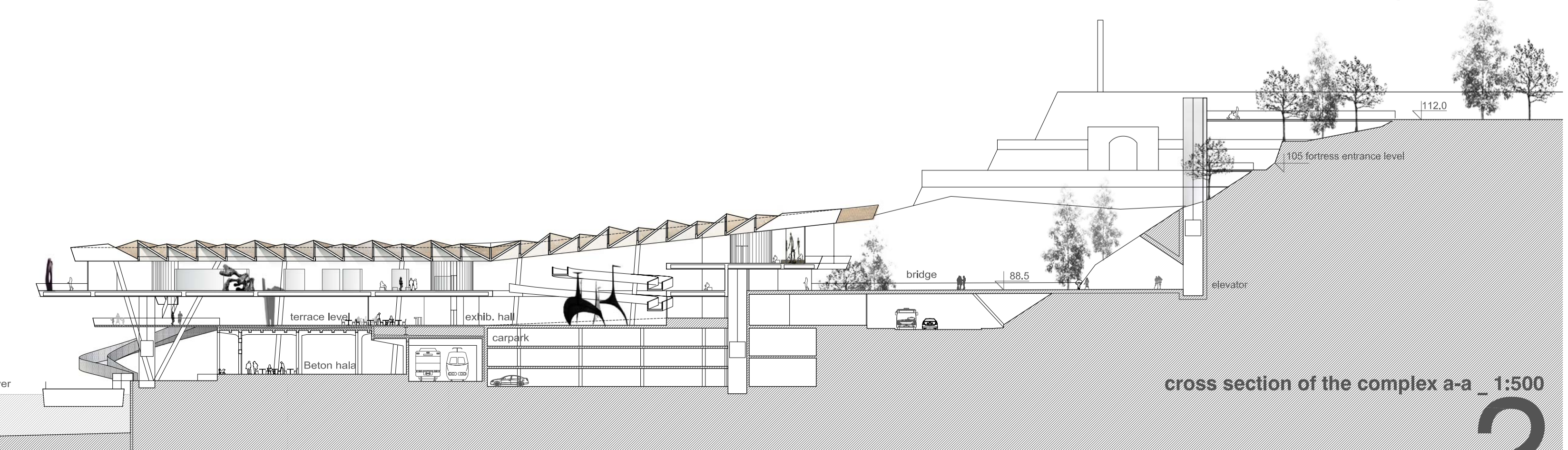




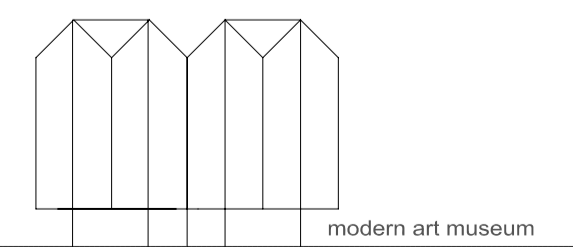
site plan of the complex _ 1:500



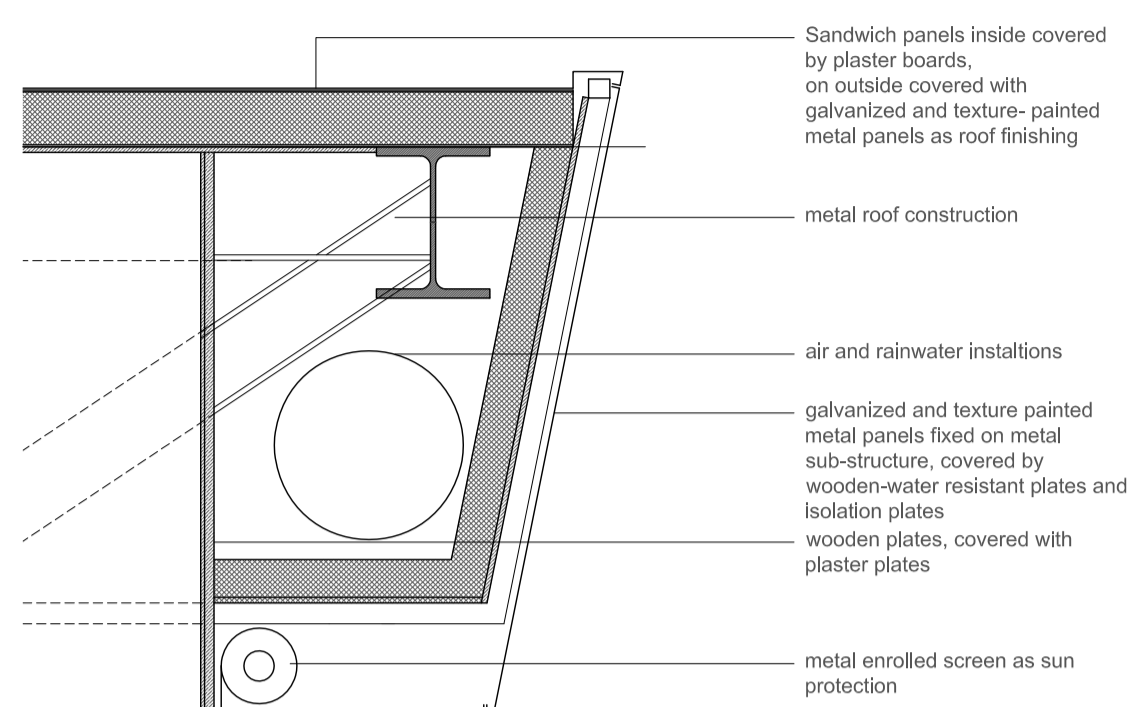
cross section of the complex b-b _ 1:500



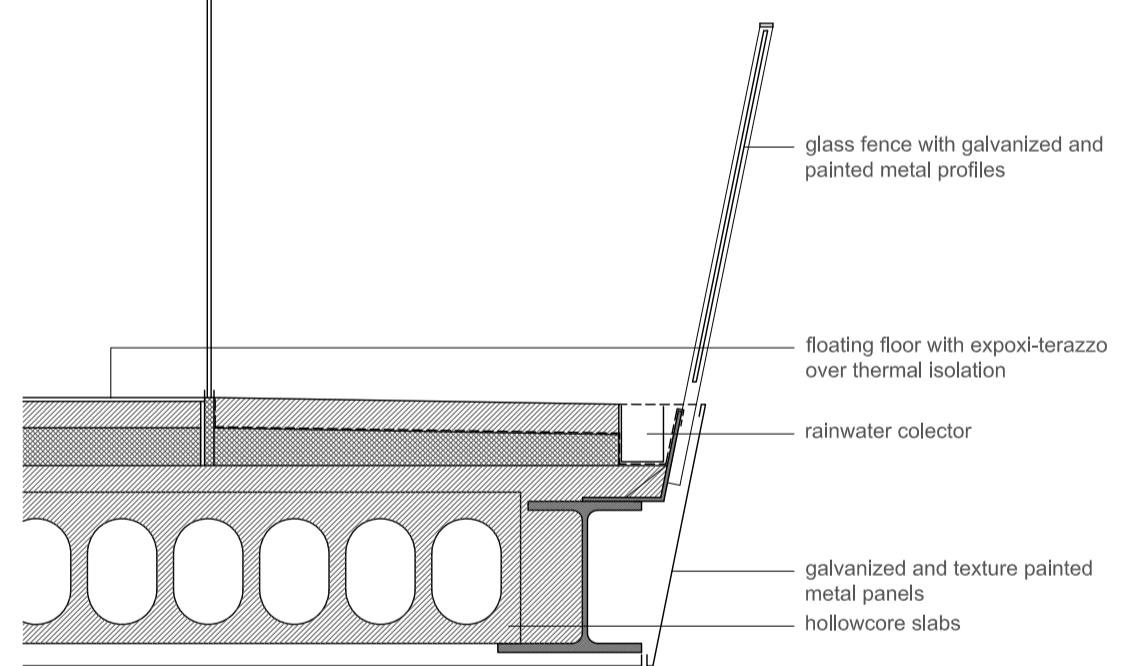
cross section of the complex a-a _ 1:500



modern art museum

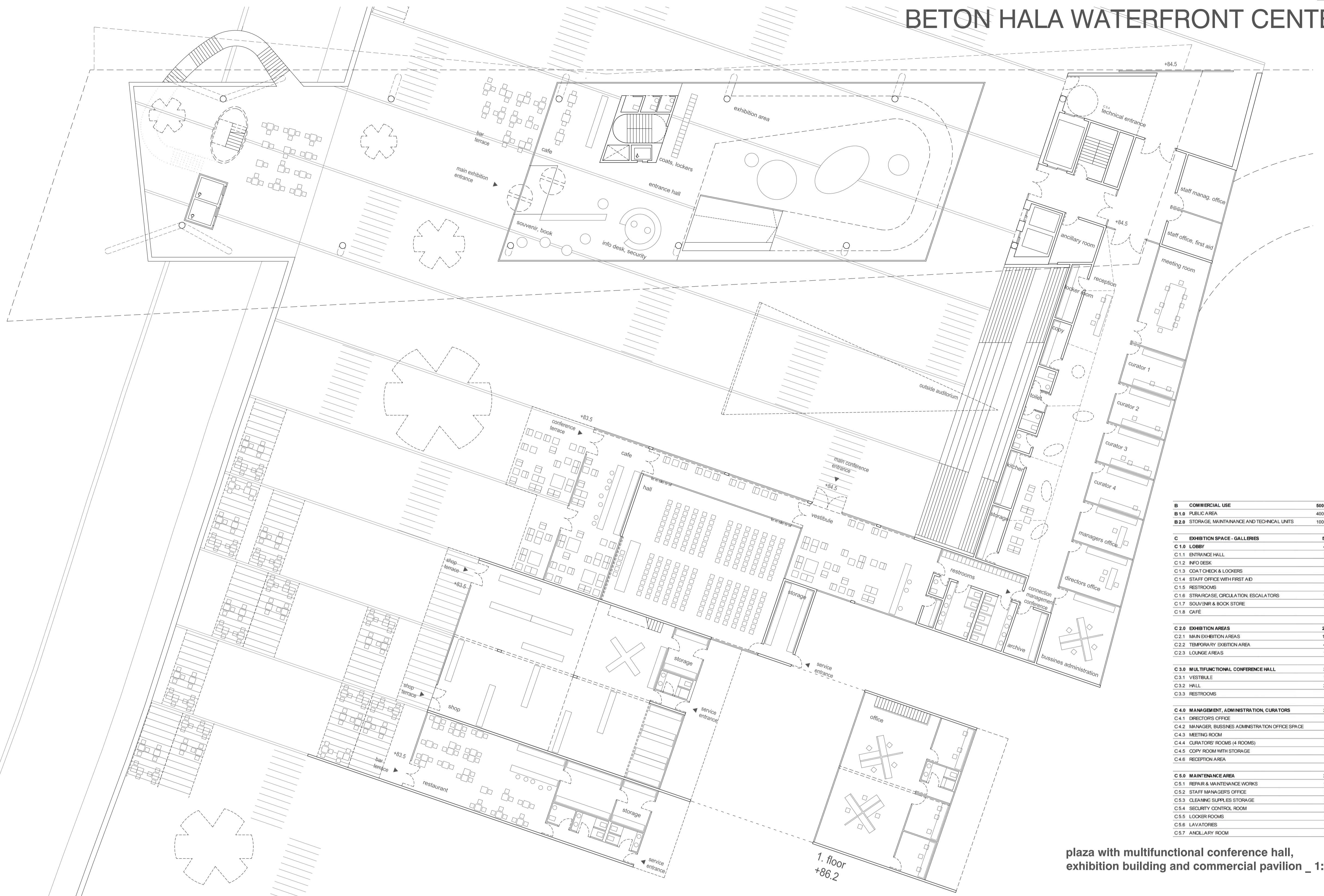


- Sandwich panels inside covered by plaster boards, on outside covered with galvanized and texture-painted metal panels as roof finishing
- metal roof construction
- air and rainwater installations
- galvanized and texture painted metal panels fixed on metal sub-structure, covered by wooden-water resistant plates and isolation plates, covered with plaster plates
- metal enroled screen as sun protection
- glass



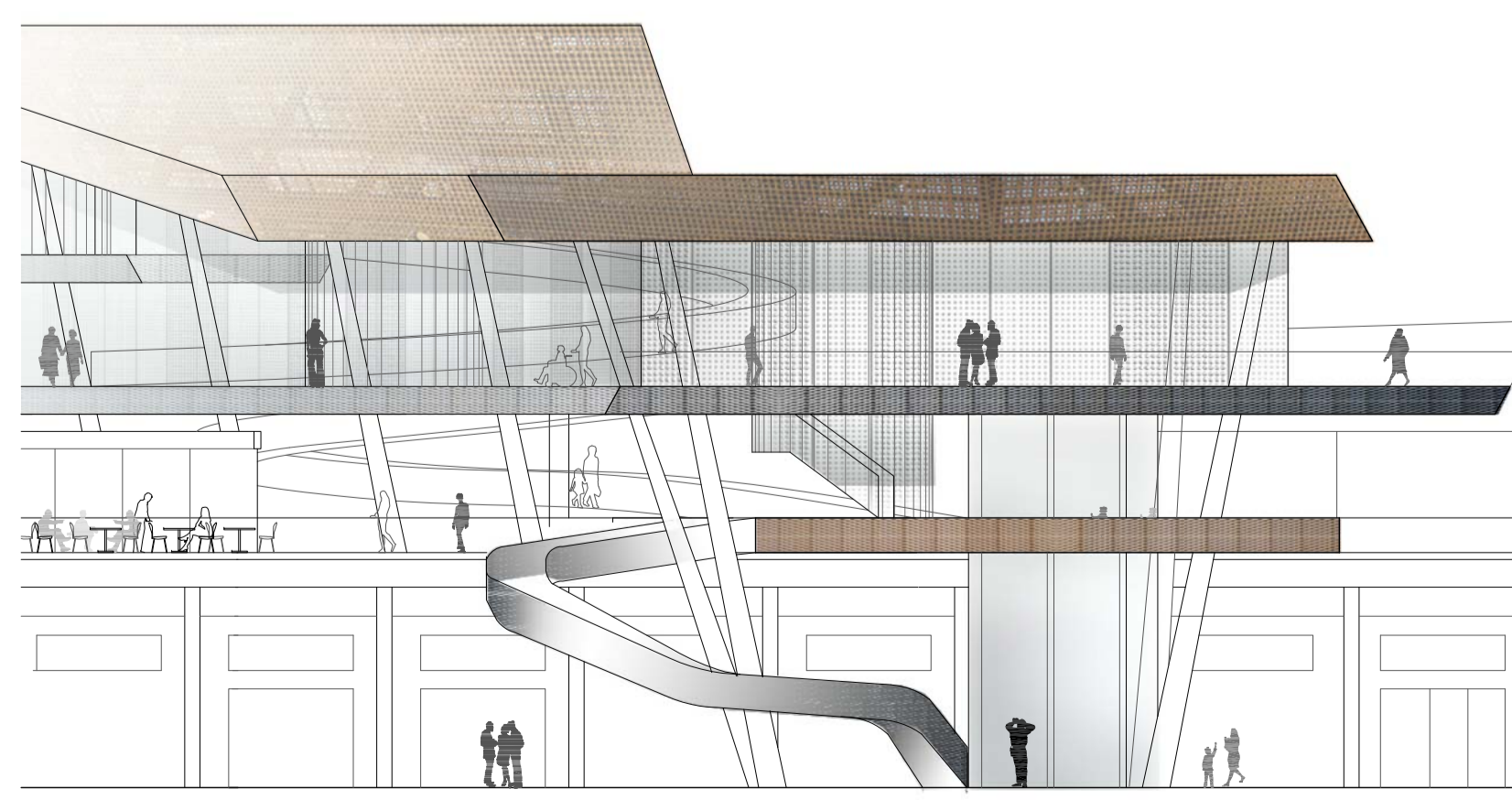
- glass fence with galvanized and painted metal profiles
- floating floor with expo-terazzo over thermal isolation
- rainwater collector
- galvanized and texture painted metal panels
- hollowcore slabs

facade detail _ 1:20

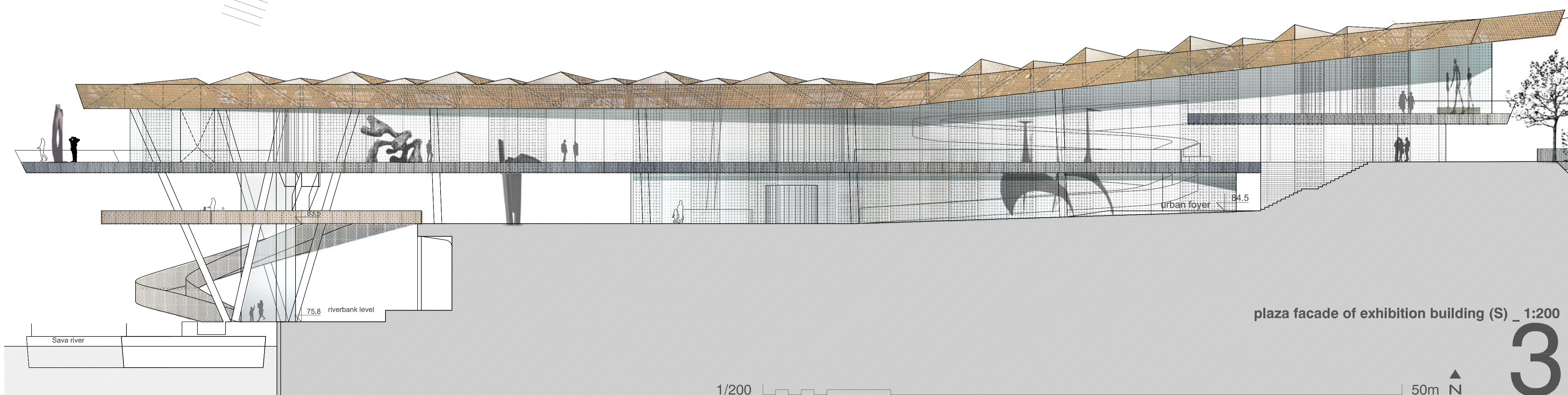


B	COMMERCIAL USE	5000-8800
B1.0	PUBLIC AREA	4000-7600
B2.0	STORAGE, MAINTANANCE AND TECHNICAL UNITS	1000-1200
C	EXHIBITION SPACE - GALLERIES	5853
C.1.0	LOBBY	472
C.1.1	ENTRANCE HALL	90
C.1.2	INFO DESK	25
C.1.3	COAT CHECK & LOCKERS	39
C.1.4	STAFF OFFICE WITH FIRST AID	18
C.1.5	RESTROOMS	50
C.1.6	STAIRCASE, ORCLATION, ESCALATORS	100
C.1.7	SOUVENIR & BOOK STORE	75
C.1.8	CAFE	75
C.2.0	EXHIBITION AREAS	2392
C.2.1	MAIN EXHIBITION AREAS	1810
C.2.2	TEMPORARY EXHIBITION AREA	472
C.2.3	LOUNGE AREAS	110
C.3.0	MULTIFUNCTIONAL CONFERENCE HALL	378
C.3.1	VESTIBULE	108
C.3.2	HALL	220
C.3.3	RESTROOMS	50
C.4.0	MANAGEMENT, ADMINISTRATION, CURATORS	266
C.4.1	DIRECTORS OFFICE	29
C.4.2	MANAGER, BUSINESS ADMINISTRATION OFFICE SPACE	74
C.4.3	MEETING ROOM	40
C.4.4	CURATORS' ROOMS (4 ROOMS)	88
C.4.5	COPY ROOM WITH STORAGE	18
C.4.6	RECEPTION AREA	17
C.5.0	MAINTENANCE AREA	248
C.5.1	REPAIR & MAINTENANCE WORKS	104
C.5.2	STAFF MANAGERS OFFICE	28
C.5.3	CLEANING SUPPLIES STORAGE	30
C.5.4	SECURITY CONTROL ROOM	20
C.5.5	LOCKER ROOMS	40
C.5.6	LAVATOIRES	11
C.5.7	ANGLIARY ROOM	17

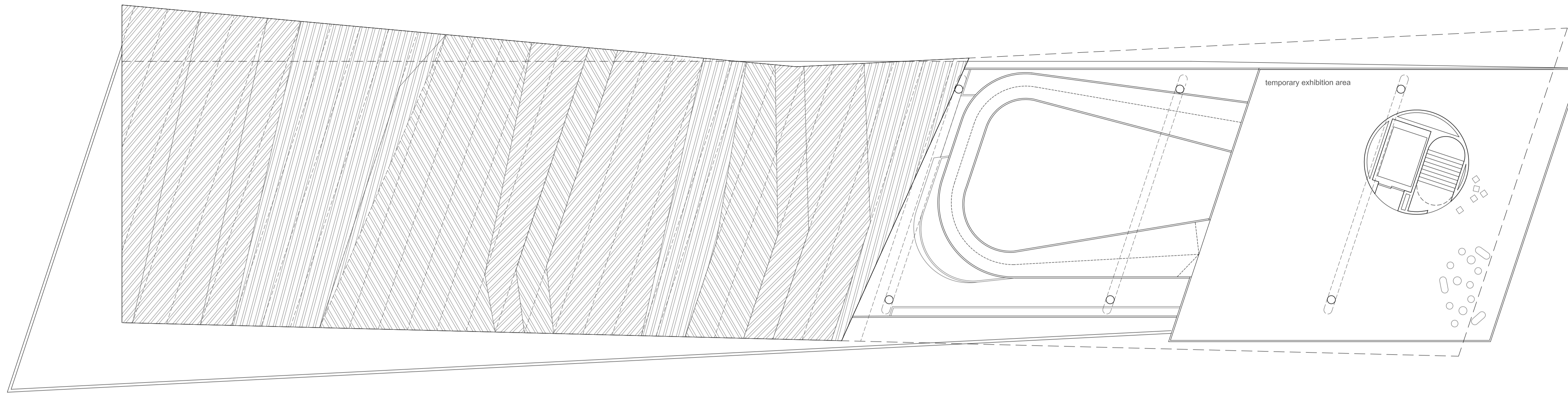
plaza with multifunctional conference hall, exhibition building and commercial pavilion _ 1:200



river facade of exhibition building (W) _ 1:200
050709BG - cultural crane

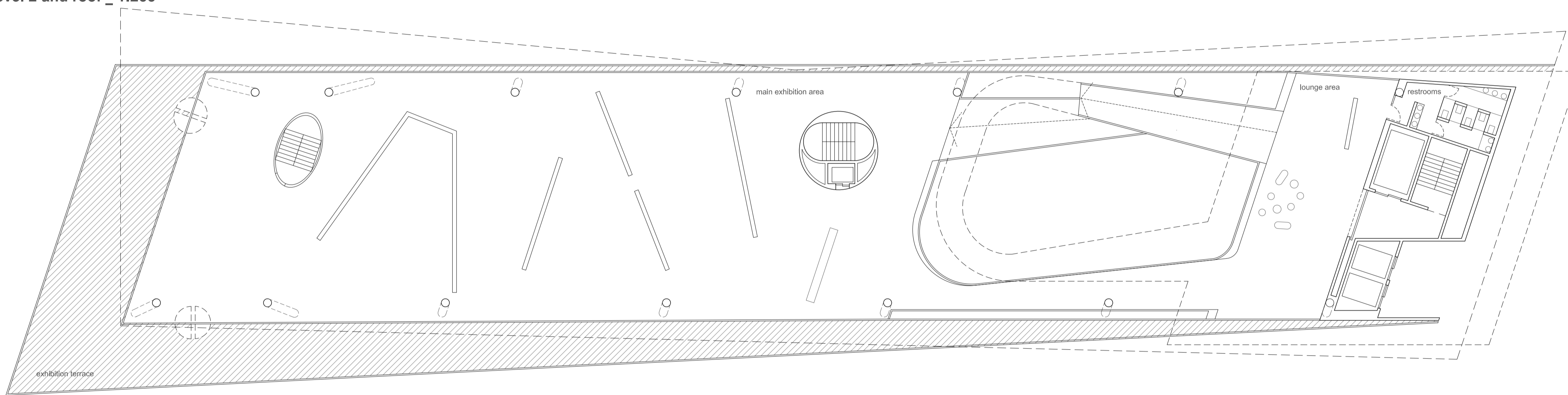


plaza facade of exhibition building (S) _ 1:200

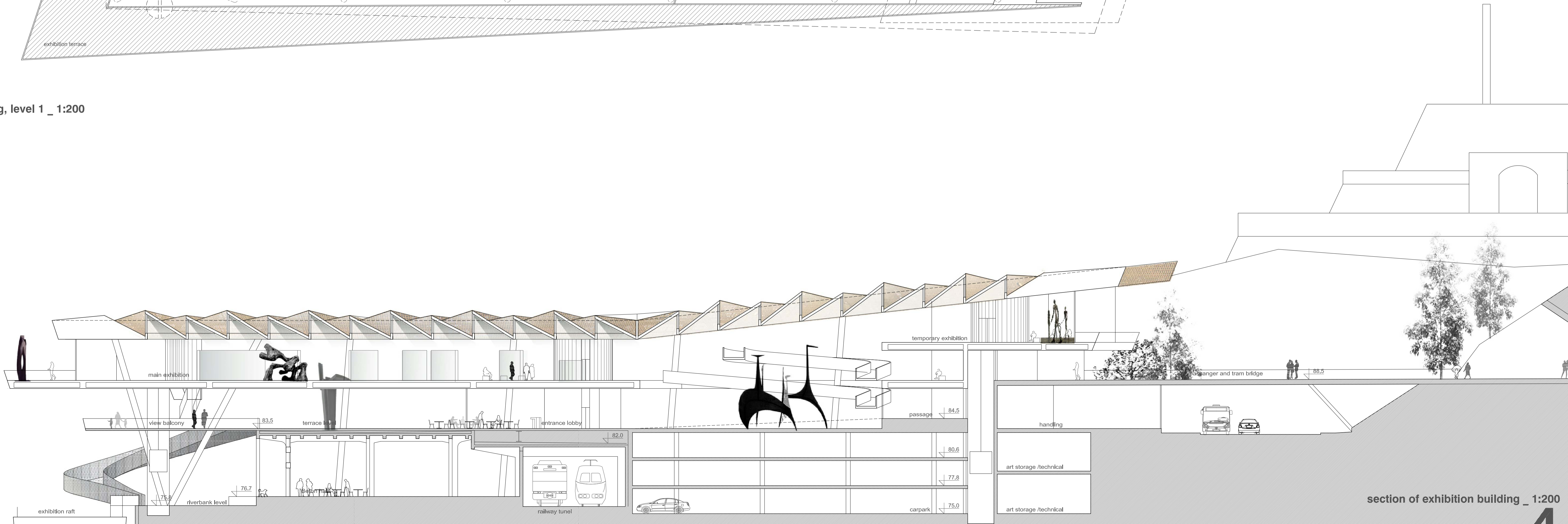


B COMMERCIAL USE		5000-8800
B 1.0	PUBLIC AREA	4000-7600
B 2.0	STORAGE, MAINTENANCE AND TECHNICAL UNITS	1000-1200
C EXHIBITION SPACE - GALLERIES		5883
C 1.0	LOBBY	472
C 1.1	ENTRANCE HALL	90
C 1.2	INFO DESK	25
C 1.3	COAT CHECK & LOCKERS	39
C 1.4	STAFF OFFICE WITH FIRST AID	18
C 1.5	RESTROOMS	50
C 1.6	STAIRCASE, CIRCULATION ESCALATORS	100
C 1.7	SOLVENTS & BOOK STORE	75
C 1.8	CAFÉ	75
C 2.0 EXHIBITION AREAS		2392
C 2.1	MAIN EXHIBITION AREAS	1810
C 2.2	TEMPORARY EXHIBITION AREA	472
C 2.3	LOUNGE AREAS	110
C 3.0 MULTIFUNCTIONAL CONFERENCE HALL		378
C 3.1	VESTIBULE	108
C 3.2	HALL	220
C 3.3	RESTROOMS	50
C 4.0 MANAGEMENT, ADMINISTRATION, CURATORS		266
C 4.1	DIRECTOR'S OFFICE	29
C 4.2	MANAGER, BUSINESS ADMINISTRATION OFFICE SPACE	74
C 4.3	MEETING ROOM	40
C 4.4	CURATORS' ROOMS (4 ROOMS)	88
C 4.5	COPY ROOM WITH STORAGE	18
C 4.6	RECEPTION AREA	17
C 5.0 MAINTENANCE AREA		248
C 5.1	REPAIR & MAINTENANCE WORKS	104
C 5.2	STAFF MANAGERS OFFICE	26
C 5.3	CLEANING SUPPLIES STORAGE	50
C 5.4	SECURITY CONTROL ROOM	20
C 5.5	LOCKER ROOMS	40
C 5.6	LAVATORIES	11
C 5.7	ANCILLARY ROOM	17

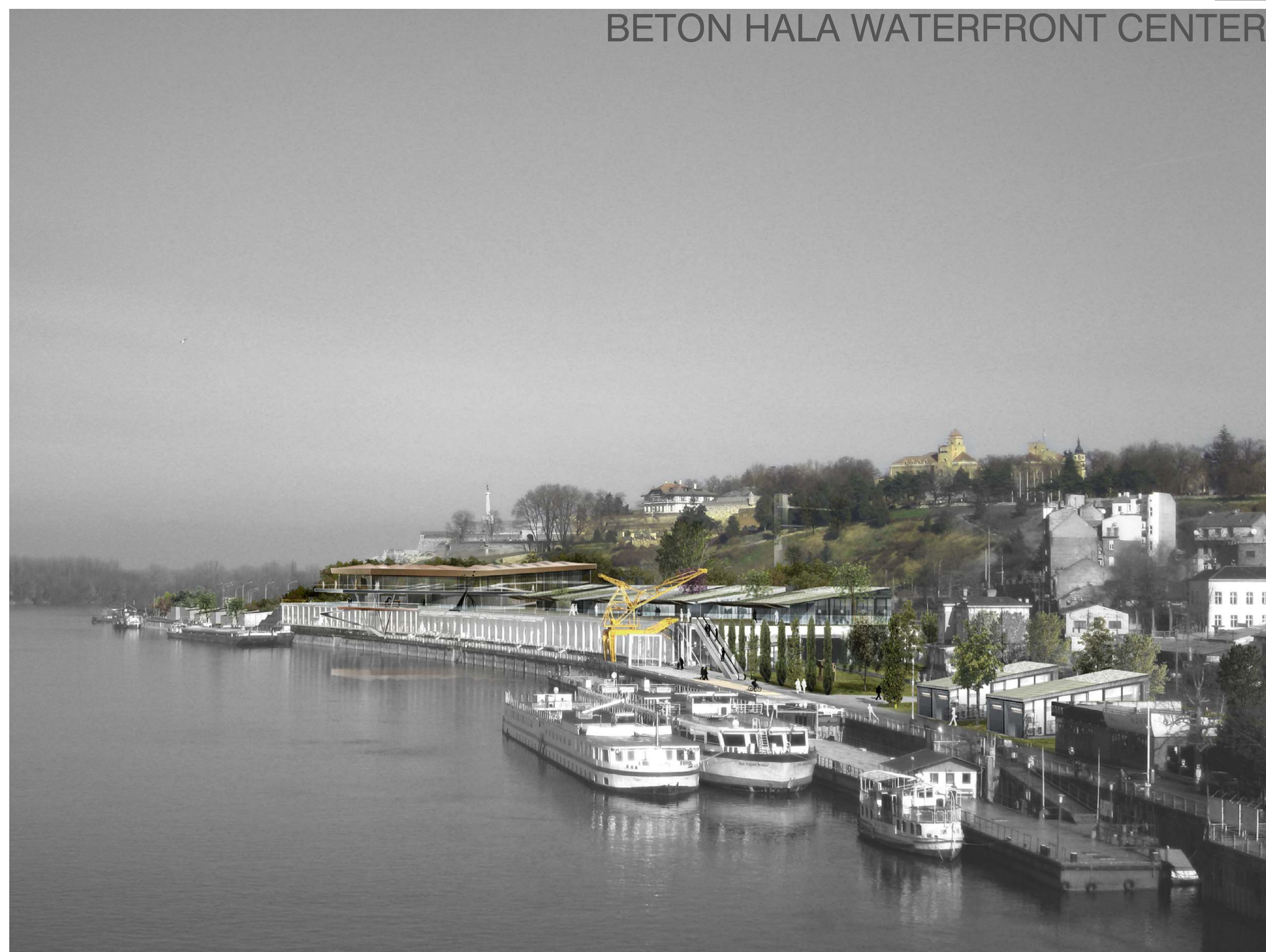
exhibition building, level 2 and roof _ 1:200



exhibition building, level 1 _ 1:200

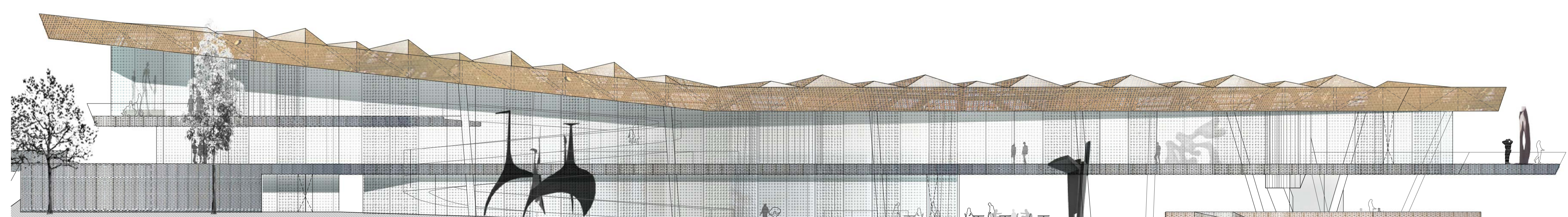
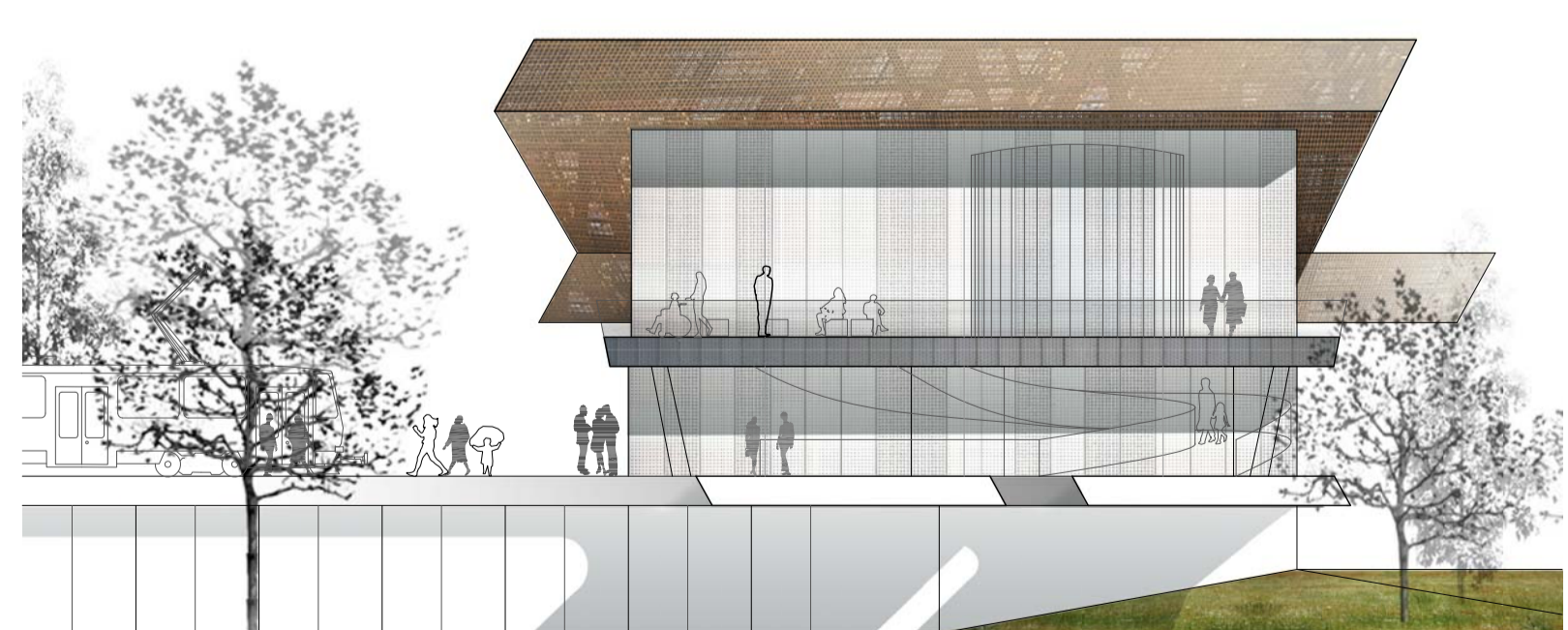


section of exhibition building _ 1:200



perspective view F1

perspective view F2



city facade of exhibition building (E) _ 1:200
050709BG - cultural crane

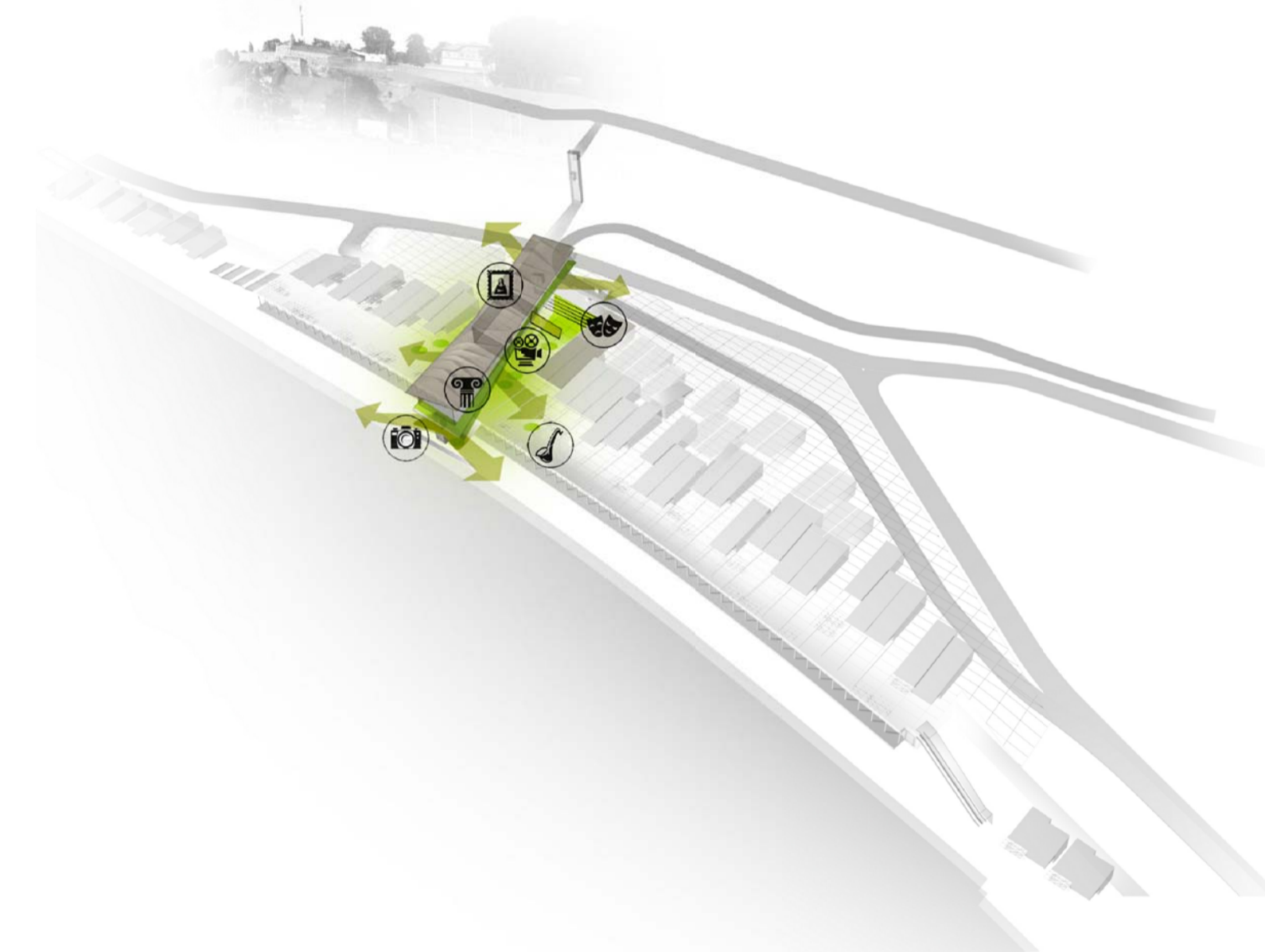
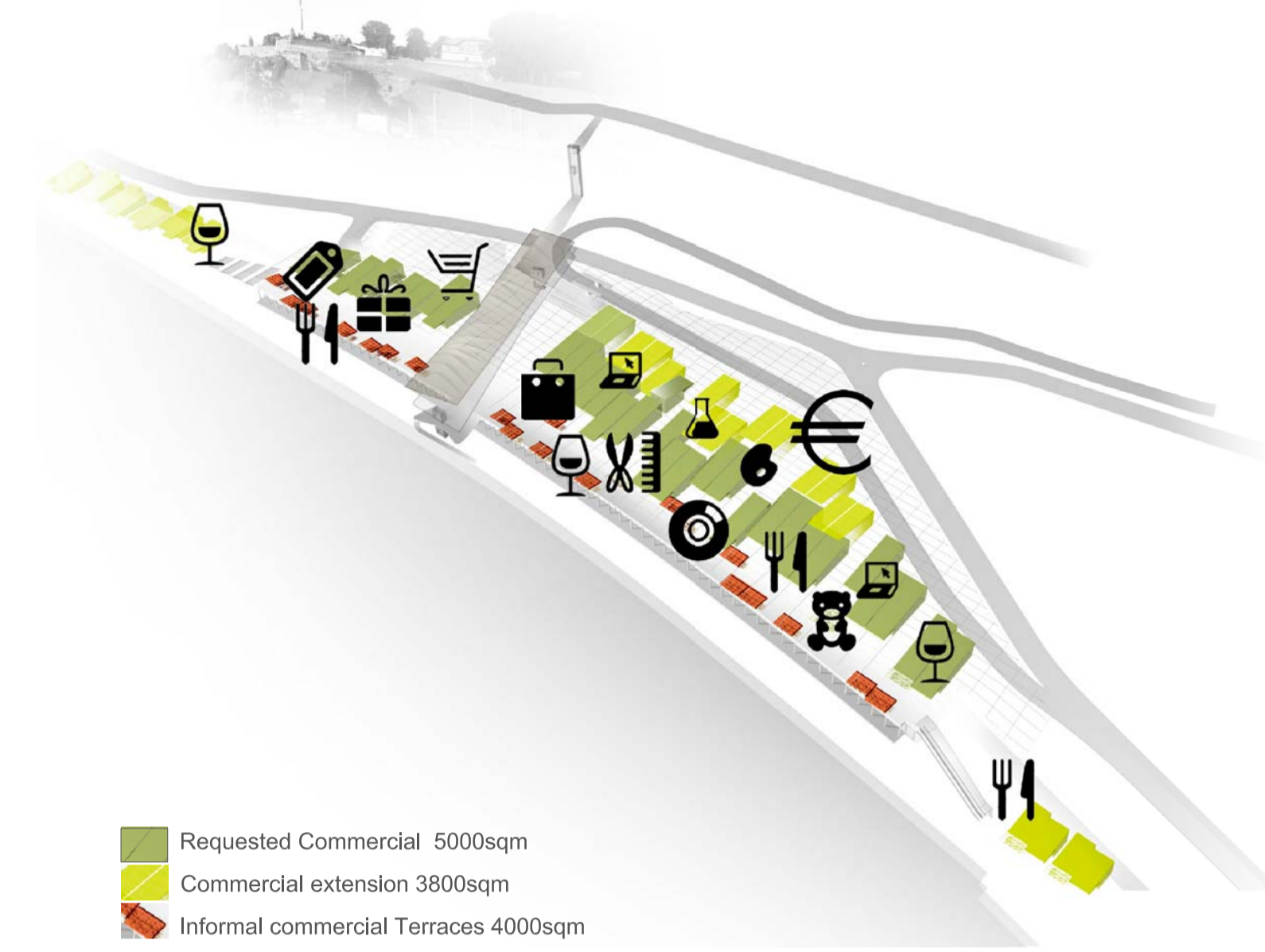
terrace facade of exhibition building (N) _ 1:200

1/200

50m



perspective view F3



Economic sustainability

The difficult economic situation pushes cities to find public-private partnership to construct public infrastructure, minimizing the direct cost of the operation. The process of obtaining private capital includes adapting (enlarging) the size of the private part of the urban project to current market possibilities. The flexible urban planning can help the city to meet the planned goals. In this sense the commercial part of the proposed urban project is meant to be adaptable not only in size and structure, but also in time.

This part of the project is formed by various pavilion buildings that ALL of them enjoy the privileged terrace on the roof of Beton-hala and newly generated pedestrian current driven by new Kalamengdan's connection. The pavilions can be built through phases making the structure more or less dense, adjusting to the economy and growth.

The repetitive construction typology of commercial buildings and the garage allows highly economic construction. Also the exposition building uses the inexpensive hollow core slabs and 3d light metallic construction for the roof.

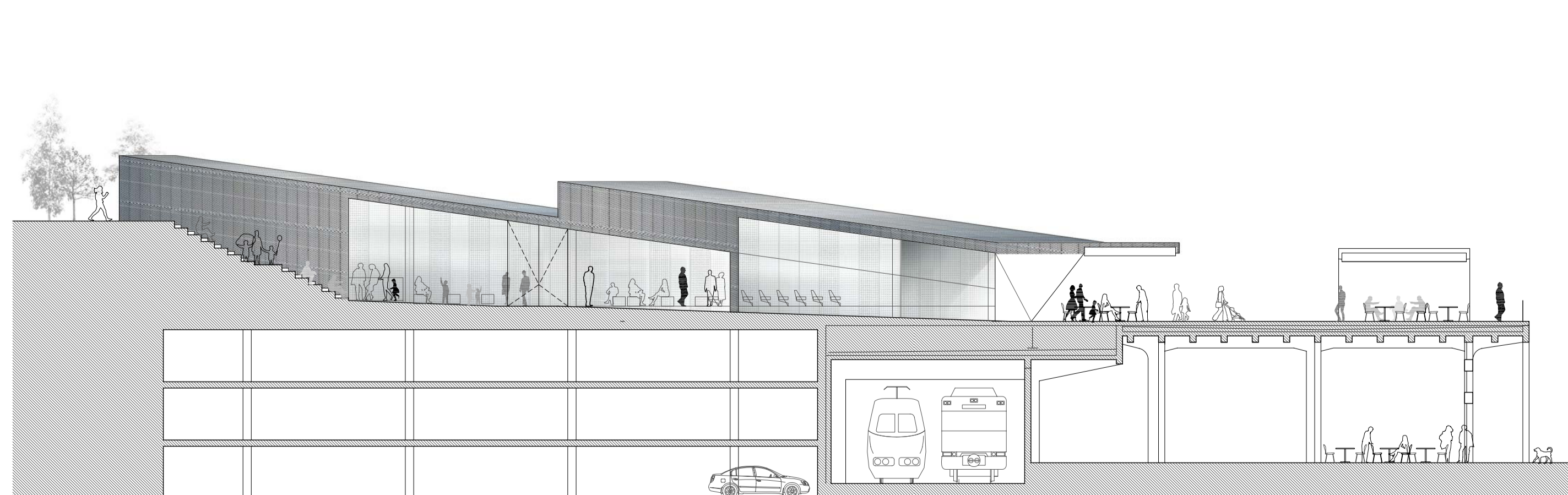
The shared pedestrian-tram bridge and the position of tram's lane are chosen to be as economical as possible.

Logistic and bus parking is on the ground level which allows optimization of garage space.

Public space - art explosion

Public space is designed to host all type of cultural, art and other social events. The central part of the terrace can be transformed for outside movie projections. The exhibitions can be placed inside, outside, on terraces, under the building, on the roof and on the river-raft, transforming the whole area into cultural-city quarter.

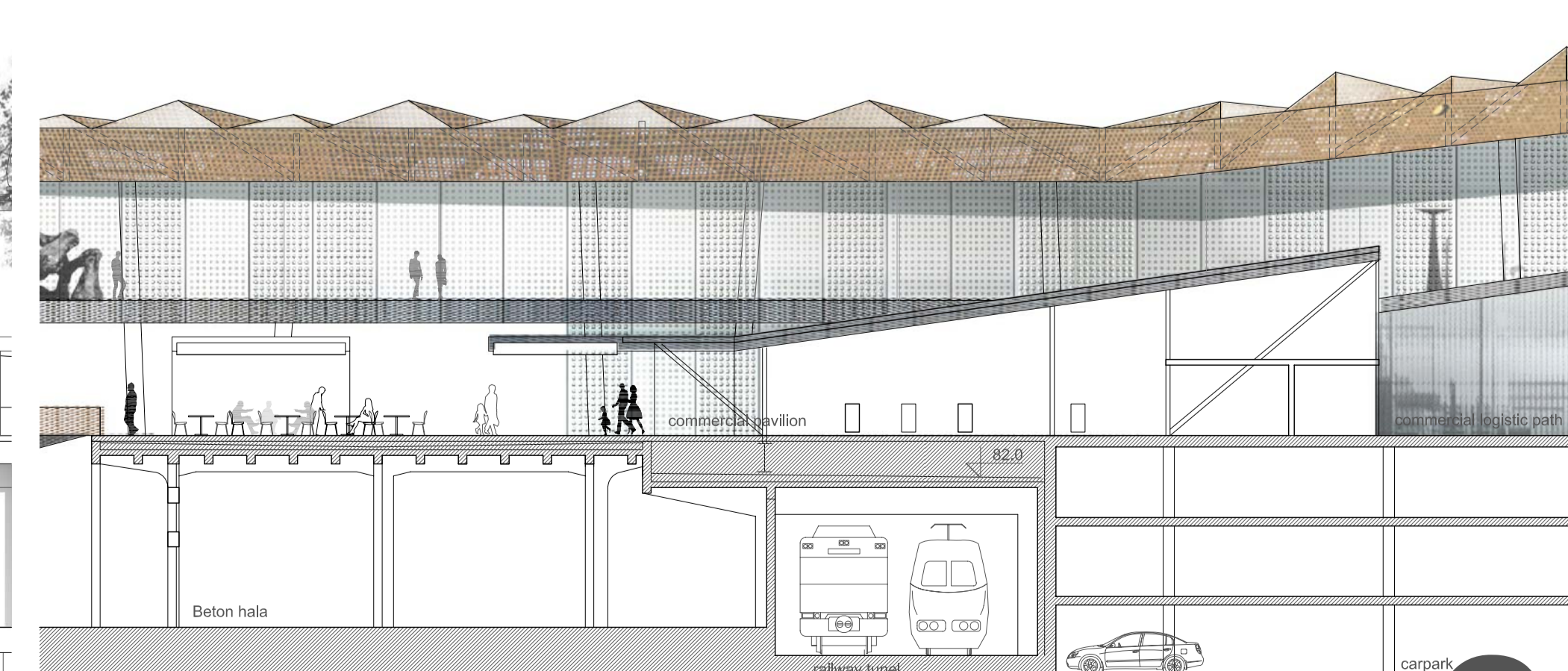
Allowing the small and light pavilions to be constructed over the railway tunnel the width of the terrace is well proportioned (NOT to big) and well connected to work as a generator of social life, attracting not only visitors but also residents.



plaza facade of the conference pavilion (N) _ 1:200
050709BG - cultural crane



river facade of the commercial pavilion (W) _ 1:200

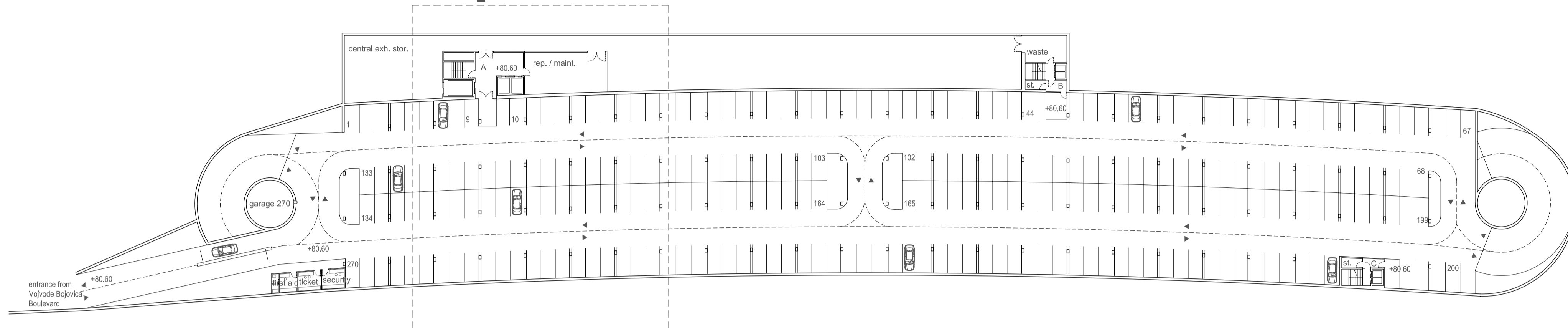


cross section of the commercial pavilion _ 1:200

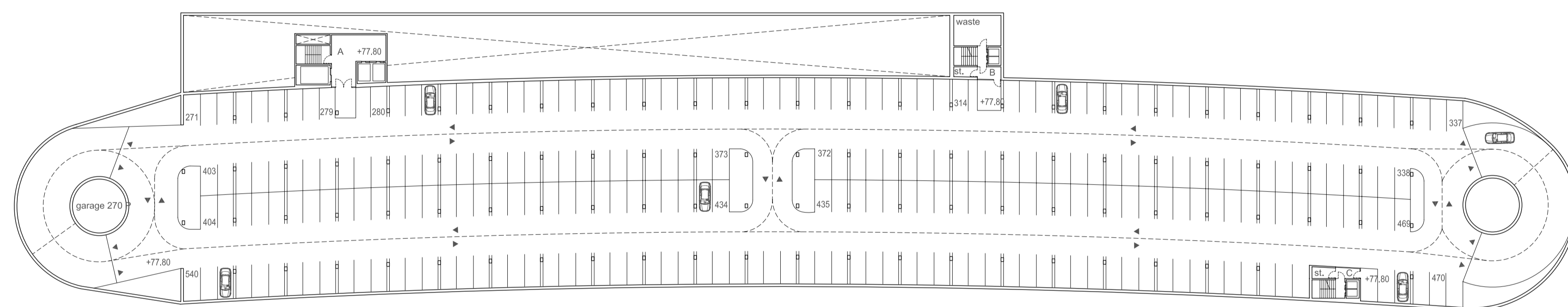
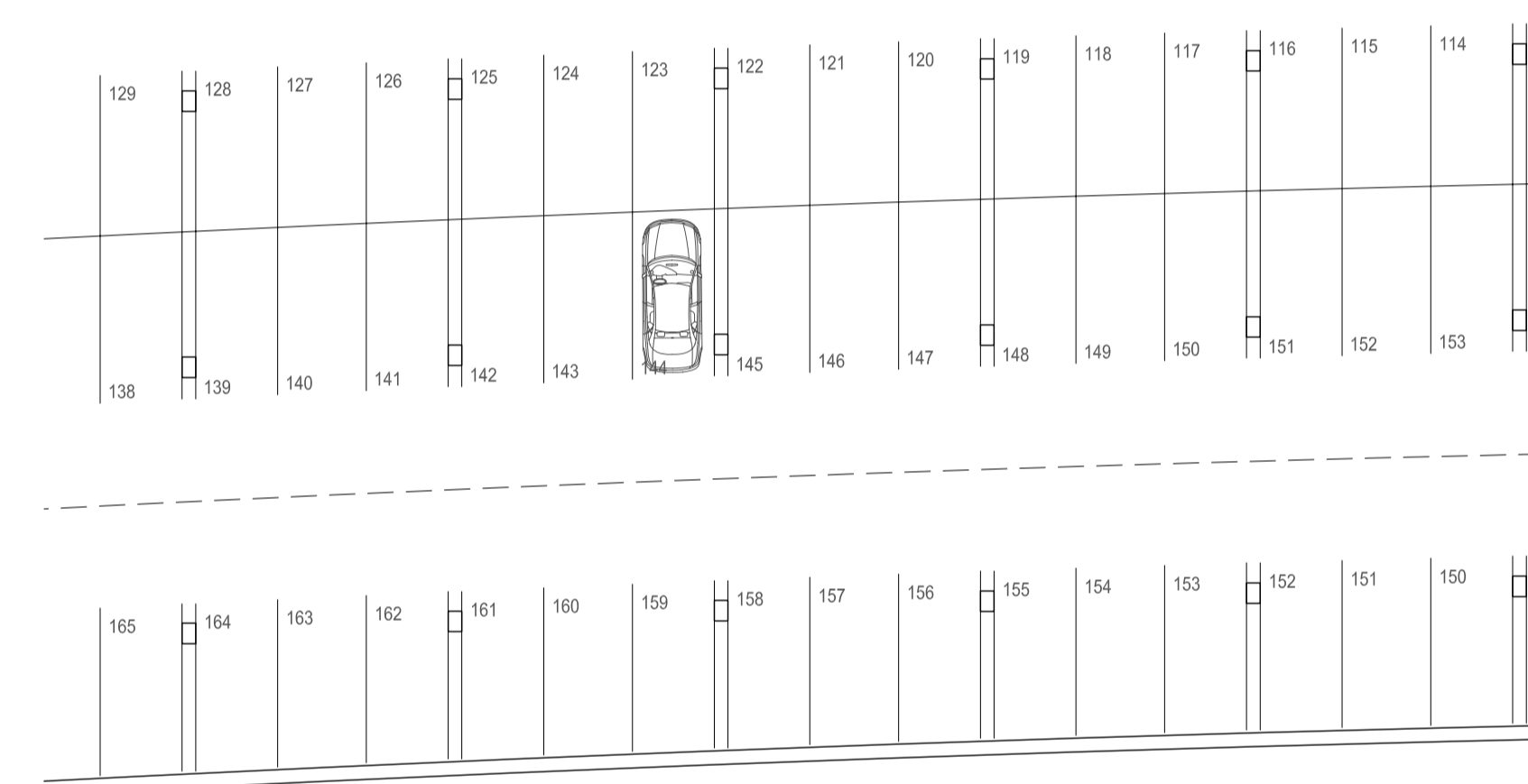
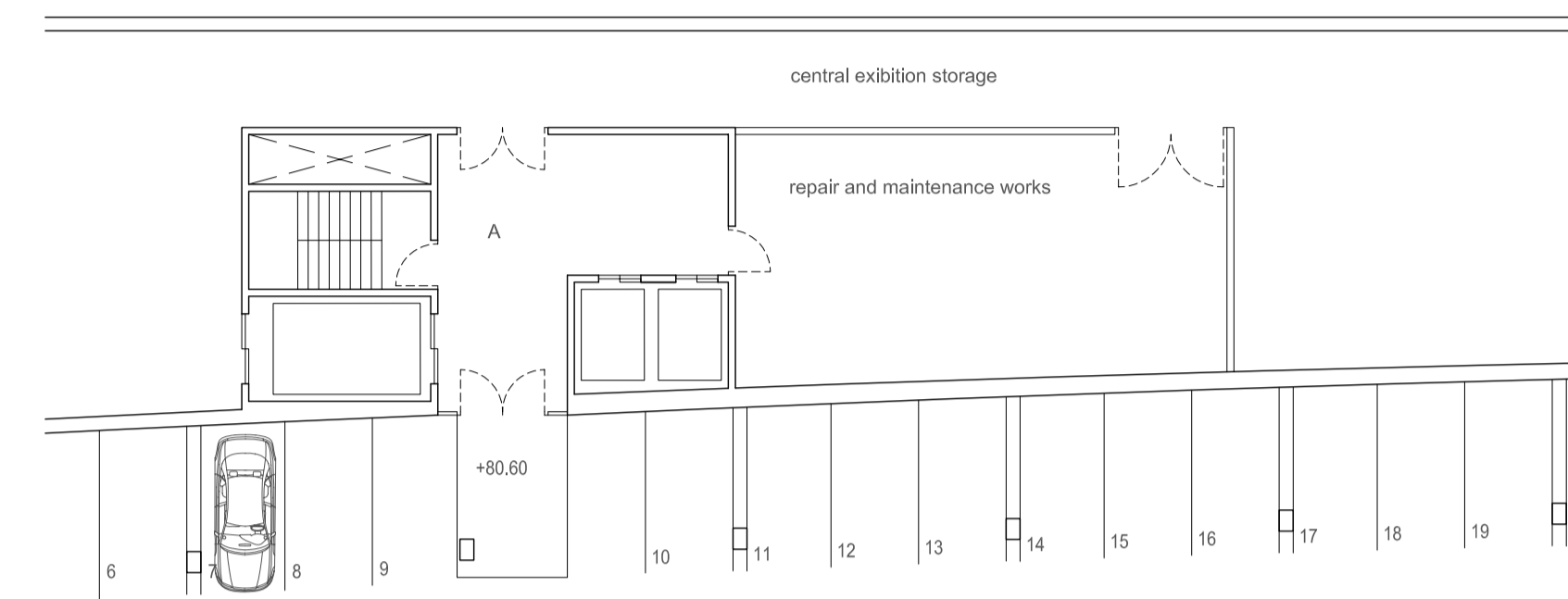
1/200

50m

zoom in _ 1:200

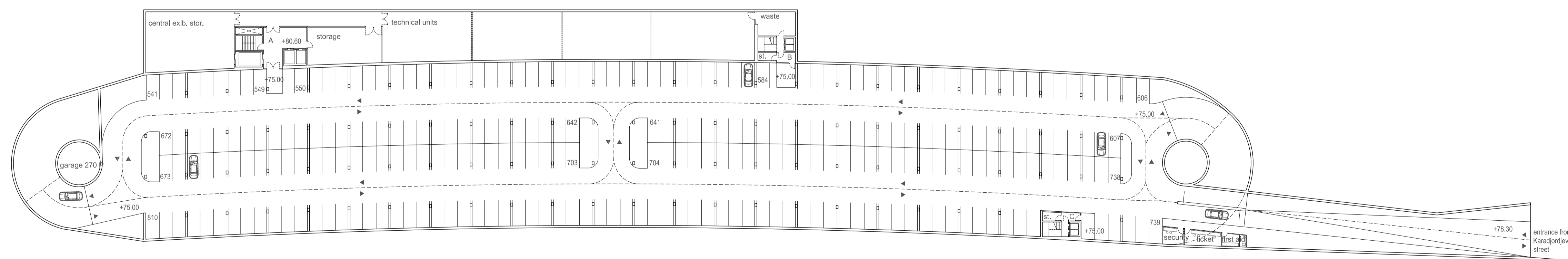


plan garage -1 _ 1:500



plan garage -2 _ 1:500

partial plan of garage _ 1:200



plan garage -3 _ 1:500

C 6.0	TECHNICAL UNITS	680
C 7.0	CENTRAL STORAGE FOR EXHIBITION	1447
D	PARKING, LOADING/UNLOADING AREA	22686
D 0.0	GARAGE- PARKING	
D 1.0	CARS (800)	21316
D 2.0	BUS (15)	outside
D 3.0	TECHNICAL ENTRANCE/LOADING/UNLOADING	113 and outside
D 4.0	WASTE (2X100)	200
D 5.0	SECURITY AND MANAGEMENT	90
D 6.0	STORAGE	105
D 7.0	SELF-SERVICE GAS STATION	outside
D 8.0	CIRCULATION, ELEVATORS, ESCALATORS, EMERGENCY EXIT	862