



render 1



render 2



render 3



render 4



situation 1/1000
master thesis project

subject/ ŠKODA museum
author/ Ognjen Bačević
supervisor/ doc. Dr. Henri Hubertus Achten / Jiri Pavlicek
Faculty of Architecture CTU
Czech Technical University
15116 Kabinet modelového projektování
Atelier 203/ Achten-Pavlicek
winter semester 2017/2018

ŠKODA



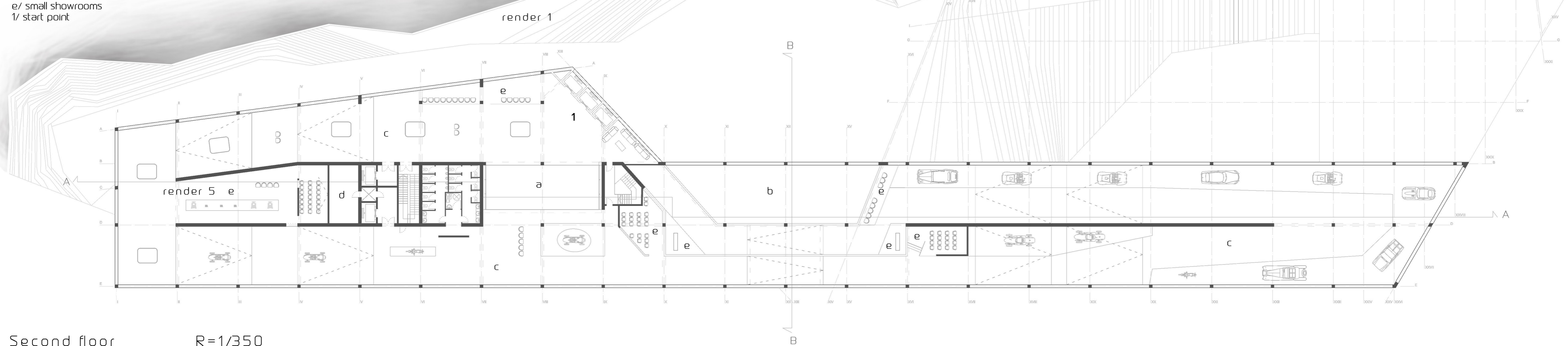
Third floor R=1/350



Total area 3043 m²

- a/ car elevator
- b/ atrium
- c/ exhibition area
- d/ mechanical room
- e/ small showrooms
- f/ start point

Marked with number 1 you exit the elevators here and start the exhibition. First should be some area with digital screens and places with Skoda history posters. Visit is being done through sloped plates in 6% slope, which exchange the classical communication systems and in that way represent space saving.



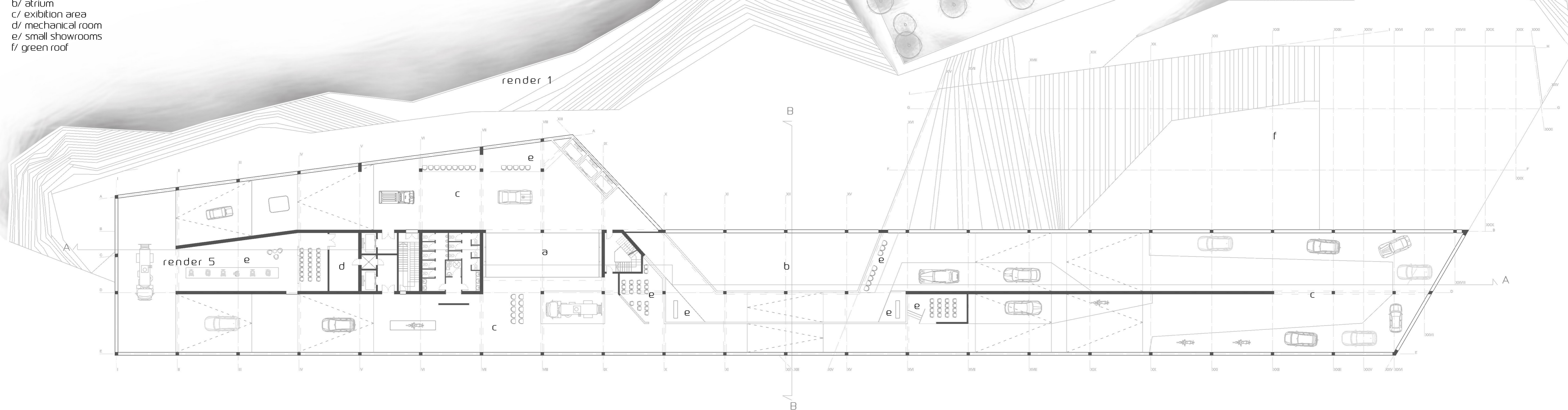
Second floor R=1/350



Total area 3043 m²

- a/ car elevator
- b/ atrium
- c/ exhibition area
- d/ mechanical room
- e/ small showrooms
- f/ green roof

Exhibition area with several small showrooms where are presented some smaller projection and subject such as engines/wheels etc.



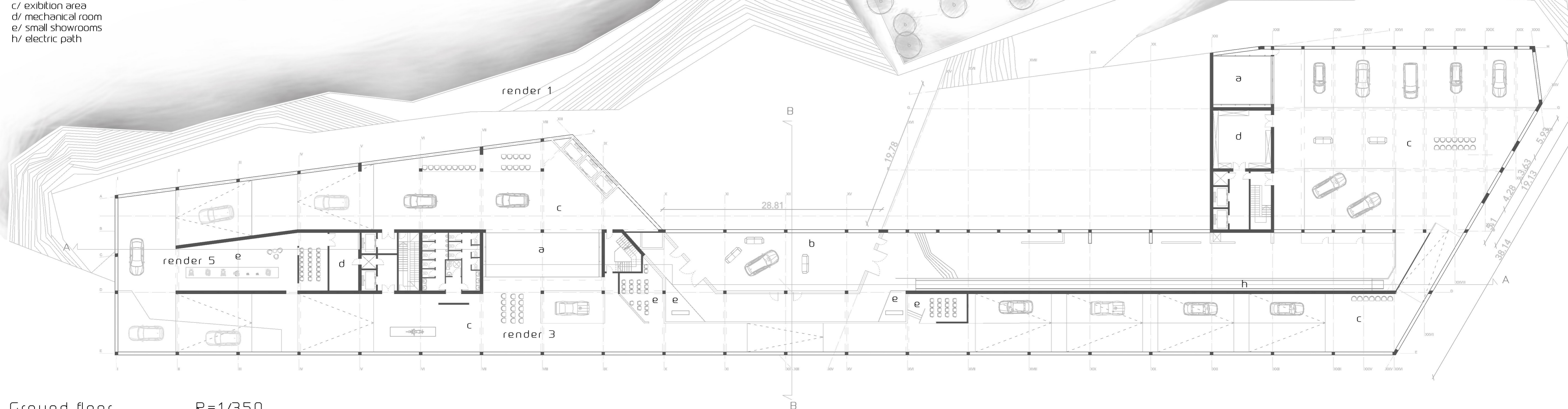
First floor R=1/350



Total area 3985 m²

- a/ car elevator
- b/ atrium
- c/ exhibition area
- d/ mechanical room
- e/ small showrooms
- f/ electric path

This is very last area you visit before you finish the museum exhibition. It is intended to present here the most accurate designs of Skoda. After that you take the electric path and go down to the lobby public area.



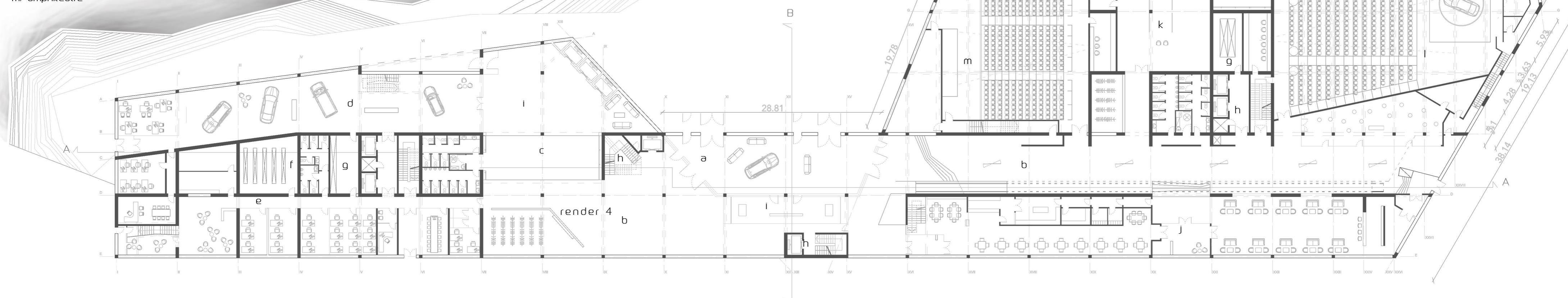
Ground floor R=1/350



Total area 5018 m²

- a/ entrance
- b/ lobby
- c/ car elevator
- d/ sales office
- e/ administration
- f/ file room
- g/ mechanical room
- h/ garage access
- i/ gift shops
- j/ cafe/restaurant
- k/ gallery
- l/ car showroom
- m/ amphitheatre

Ground floor is the main floor of the museum. There is entrance/exit, lobby, wardrobe. Administration has separate entrance in the west side facade. There is big sales office which has folding glass door that give the opportunity for enlarging the space in special situations. Visit starts by taking the elevator marked el. to the 3rd floor and then you continuously go down over the sloped plates (exhibition areas). That is the principle how saving space is being done, because there are no typical communication systems such as stair in the exhibition areas. In the end you reach the ground floor with electric path which is marked as 'es'. When you come down and finish the visit, you have access to the small gift shops/ cafe/ restaurant/showrooms/toilets/gallery. These areas works public areas which anybody can visit without paying.



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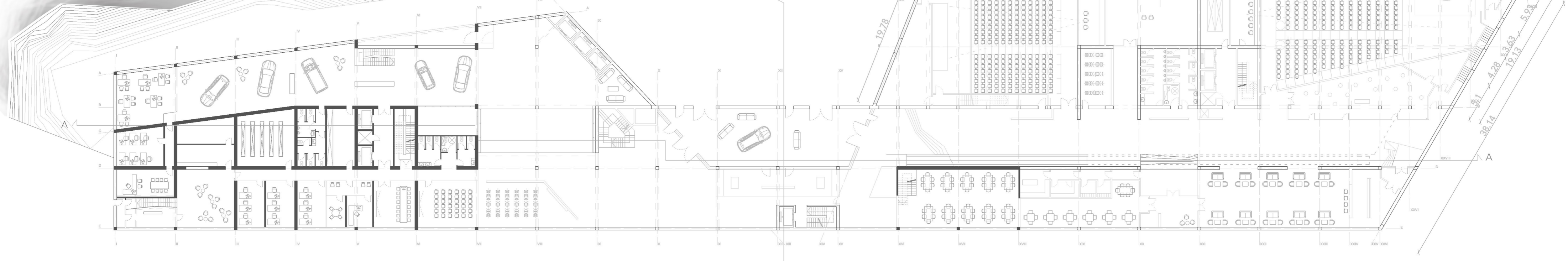


Ground floor gallery R=1/350



- a/ car elevator
- b/ car access
- c/ sales office
- d/ administration
- e/ mechanical room
- f/ file room
- g/ administration entrance

Total area: 1317m²
 This floor works literally as an extension of the ground floor. Carsales office is public accessible, but administration areas are separated.

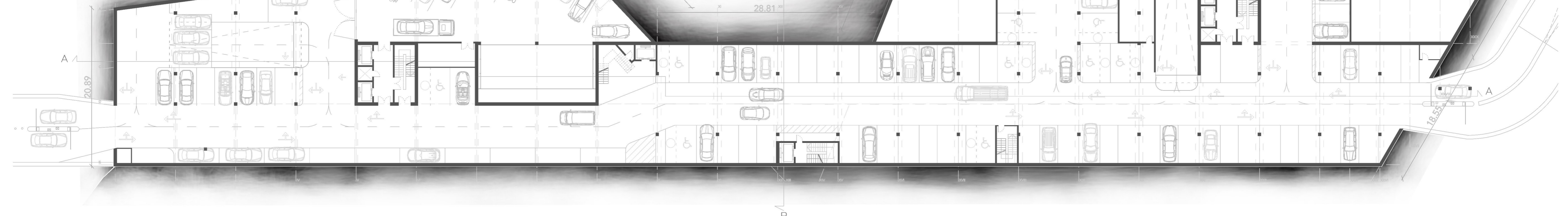


Garage - first level R=1/350



- a/ workshop
- b/ car elevator
- c/ car ramp
- d/ entrance to the building
- e/ fire stairs
- f/ technical room
- g/ security/ticket room

Total area: 4315m²
 Total parking spots: 106
 Disabled: 7
 Workshop car capacity: 10
 Entrance level of the garages. It is placed 35m under the level of the ground floor. Communication is done with ramps to the lower level. There is one car workshop with separate entrance and possibility to repair/ maintain/ store and transfer the cars to the exhibition parts. Access to the garage is from two entrances/exits ramps.

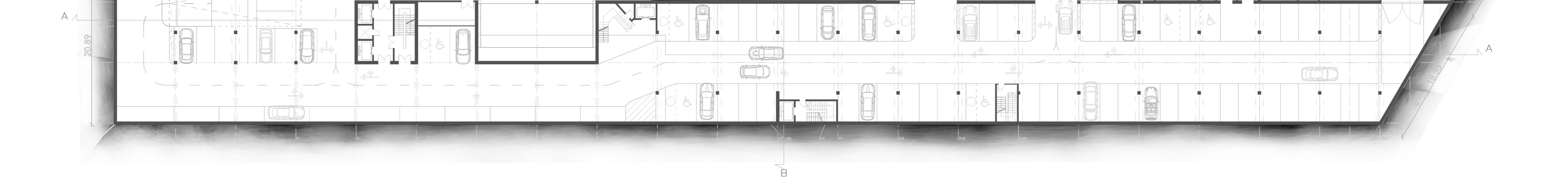


Garage - second level R=1/350



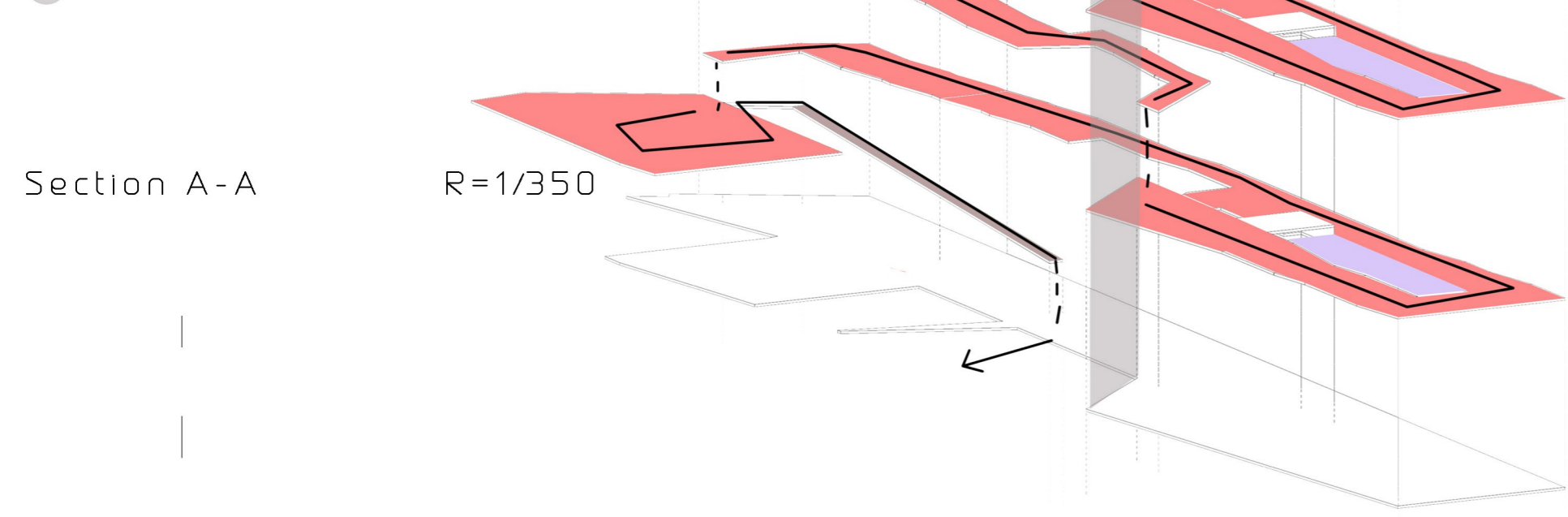
- a/ workshop 1
- b/ car elevator
- c/ car ramp
- d/ technical room
- e/ entrance to the museum
- f/ fire stairs
- g/ workshop 2

Total area: 5018m²
 Total parking spots: 100
 Disabled: 8
 Workshop 1 car capacity: 7
 Workshop 2 car capacity: 10
 The lowest level of the building. It is placed 7m under the ground level. Has parking spots for visitors and employees. There are also two workshops for cars that are subject of exhibition. Cars can be repaired/stored/ prepared and transferred to the upper exhibition areas.

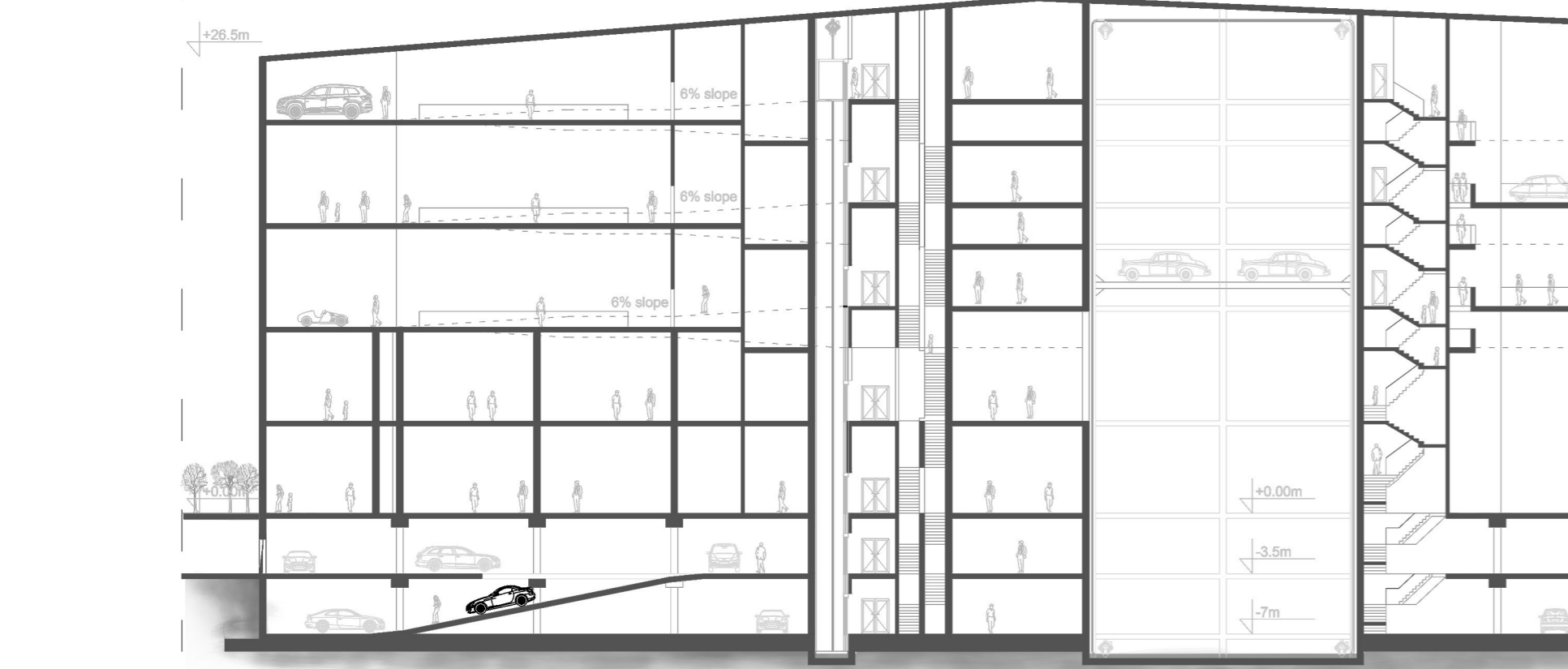


Building function diagram

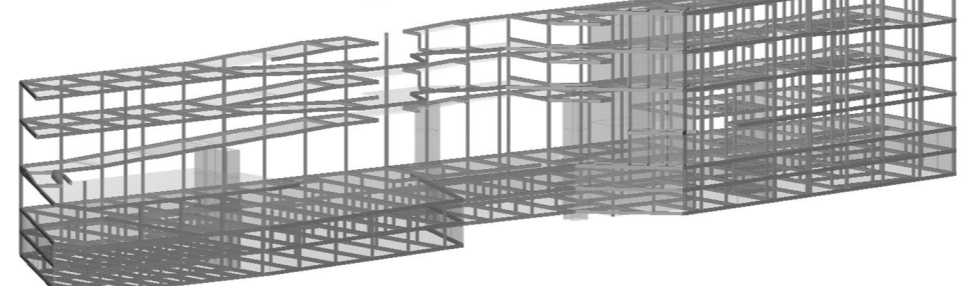
- exhibition area
- showrooms
- electric path
- elevators



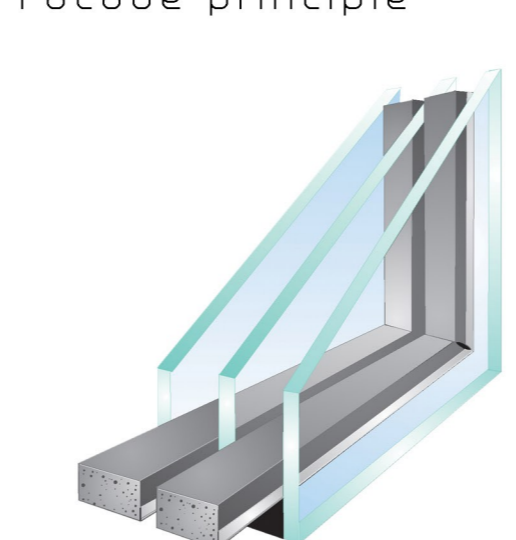
Section A-A R=1/350



Construction system

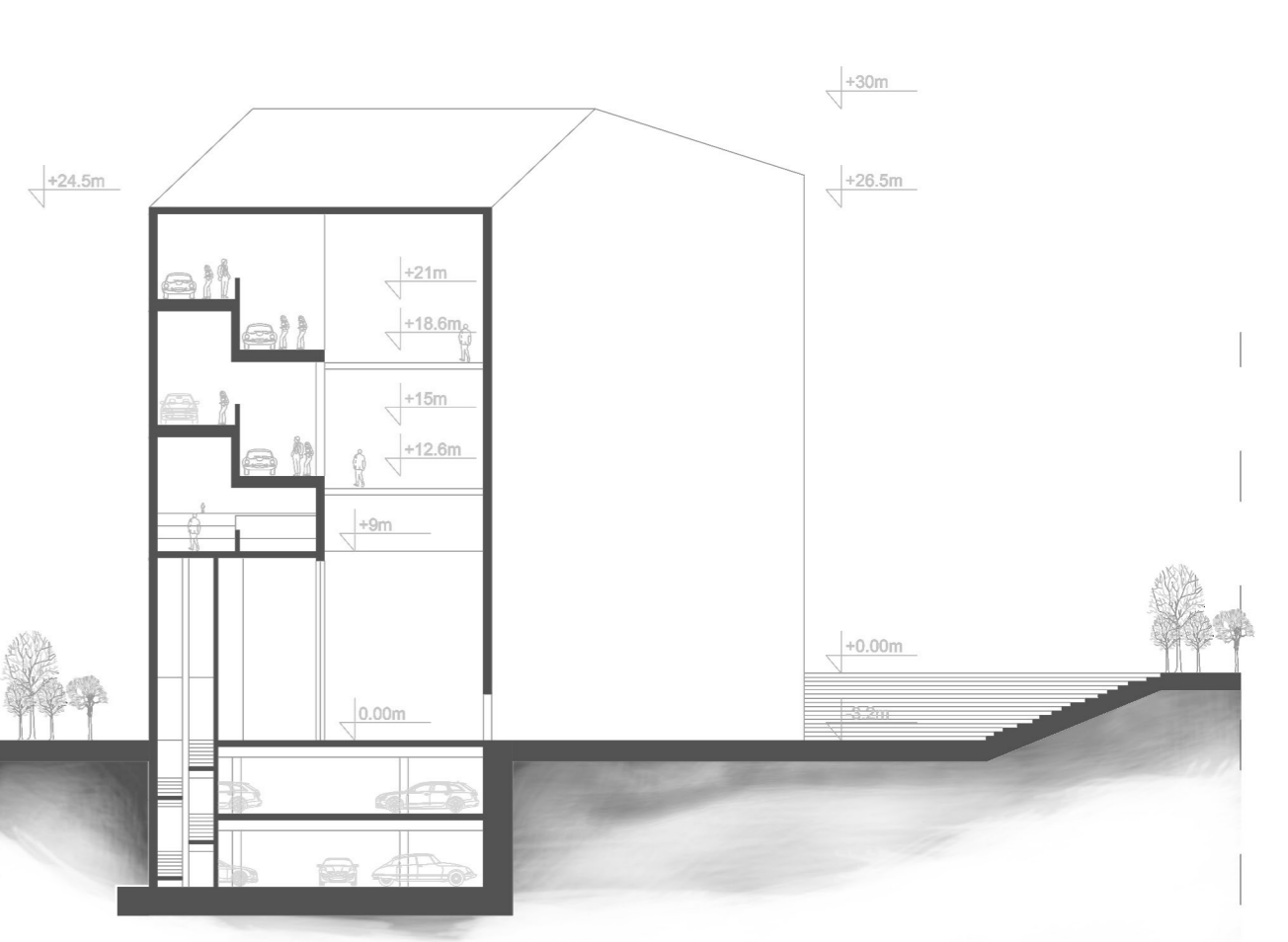


Facade principle



facade system is combination of classical nature concrete with glass panels, which are in form of curtain wall. Glass panels are from 3 layers with argon, termoisolating layer and low emission.

Section B-B R=1/350



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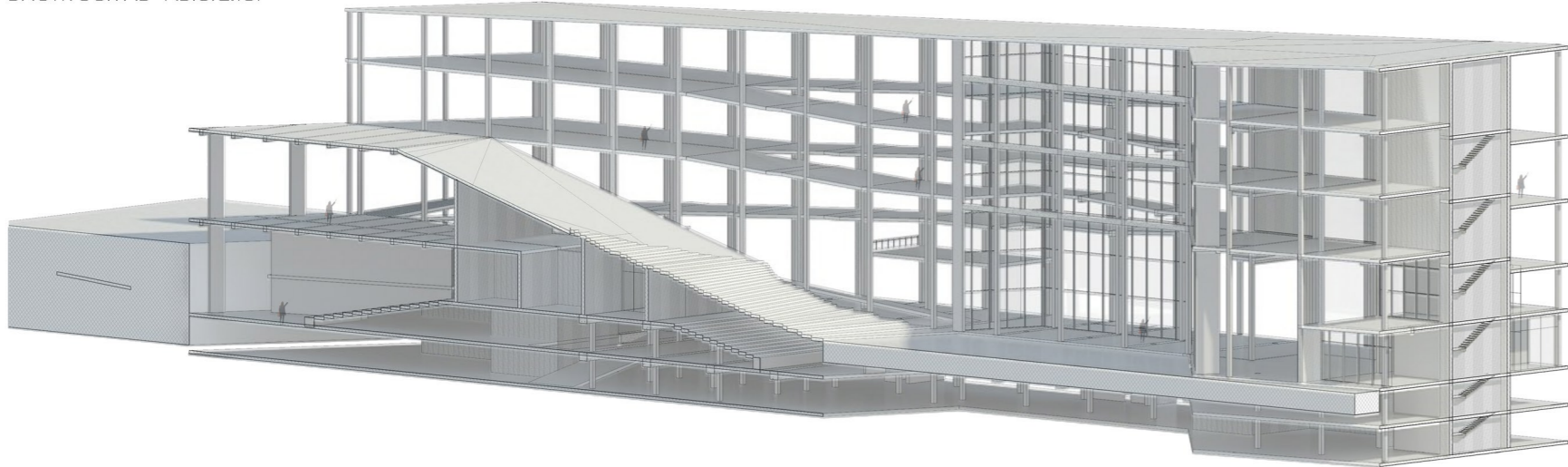
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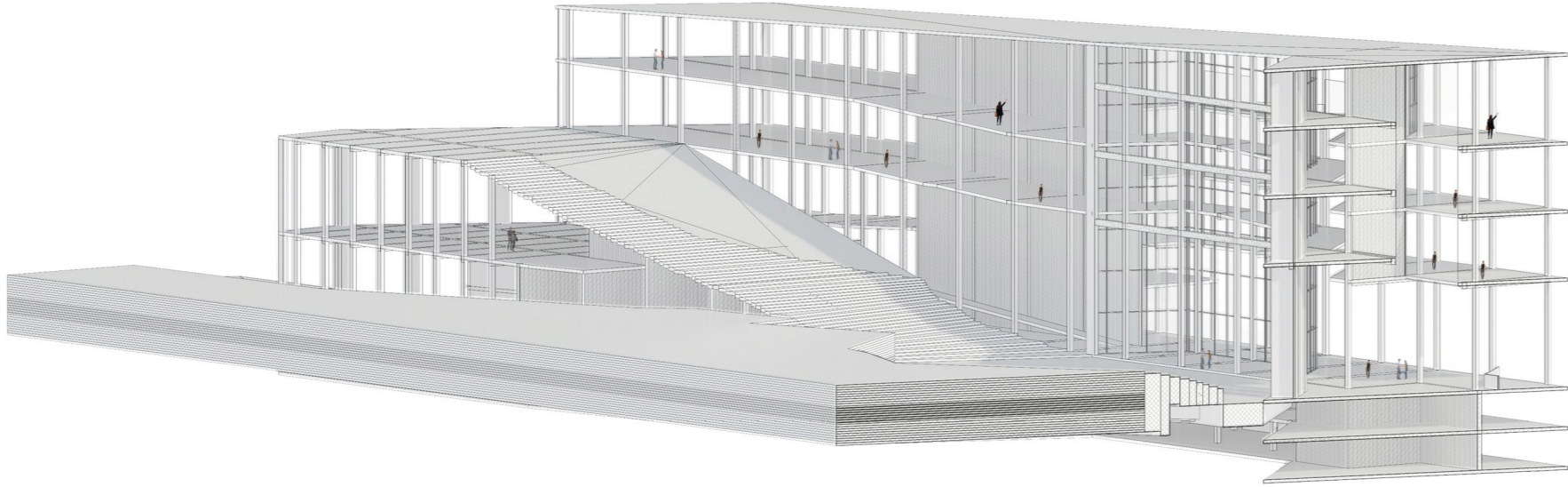


render 5

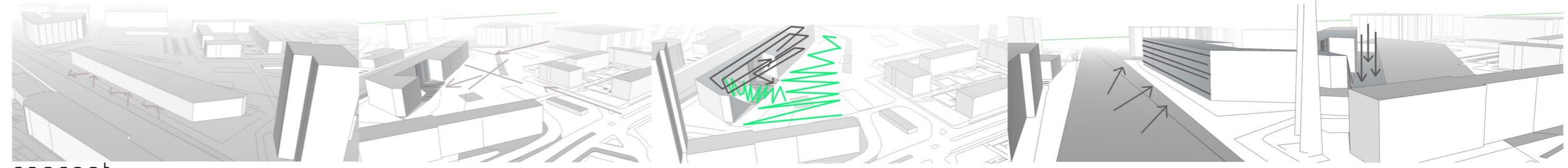
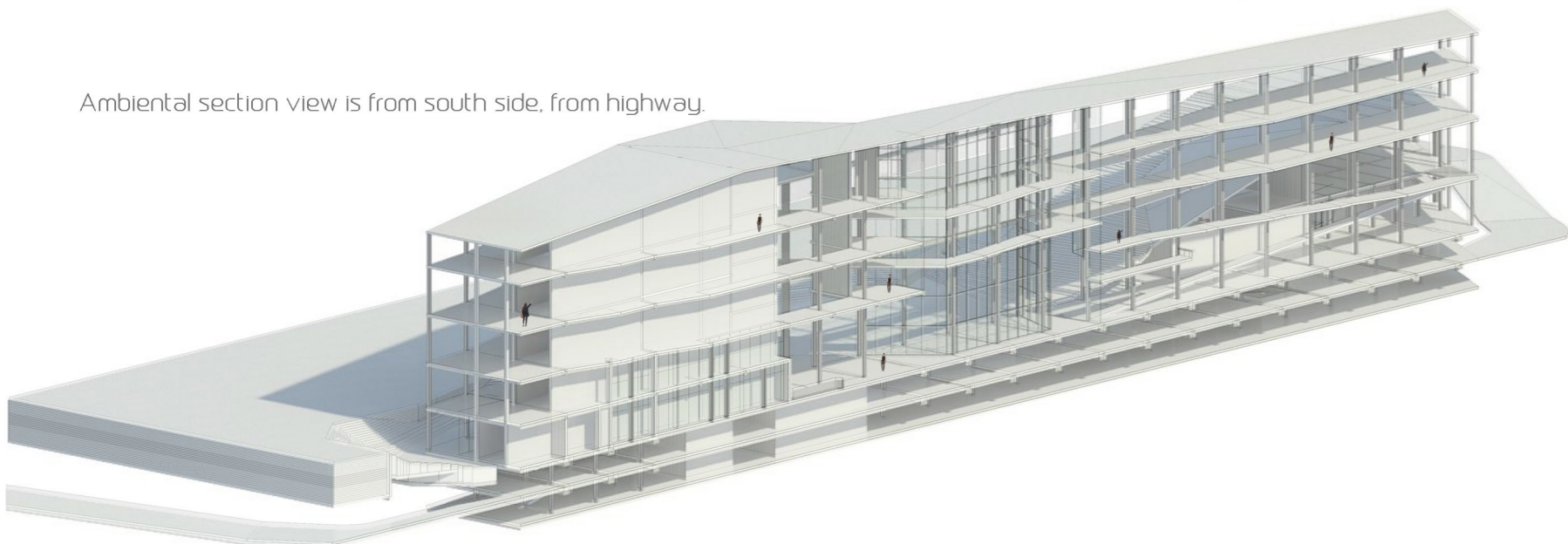
From this ambient section you can see the placement of the two public amphitheatres (a), the way how ramps work (exhibition area). Also big last exhibition area above the car showroom is visible (b)



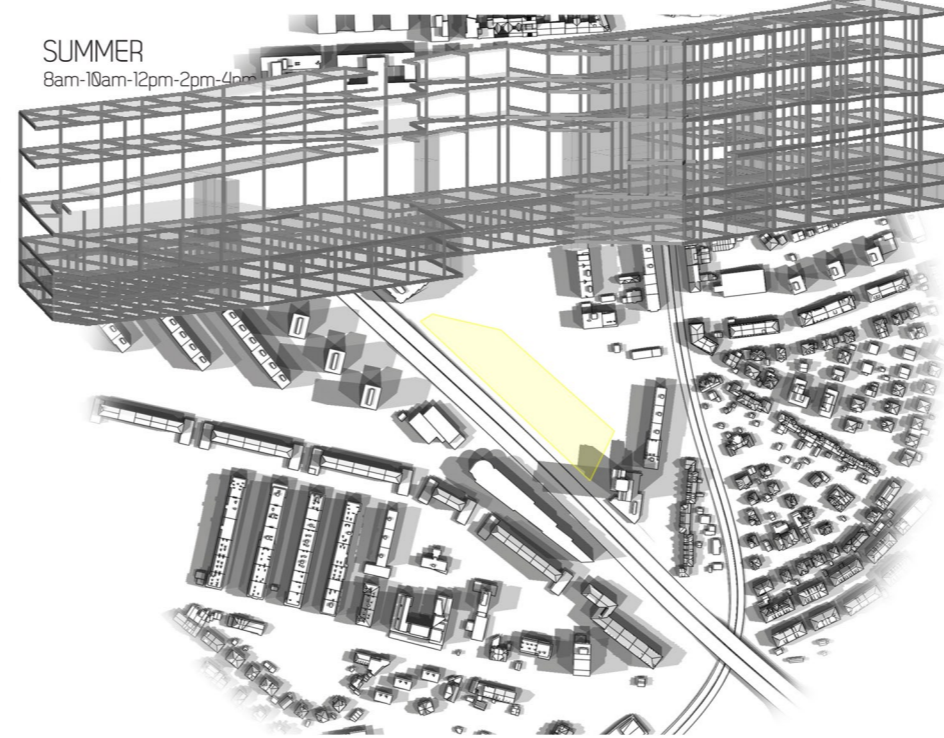
Ambiental section view is from north side



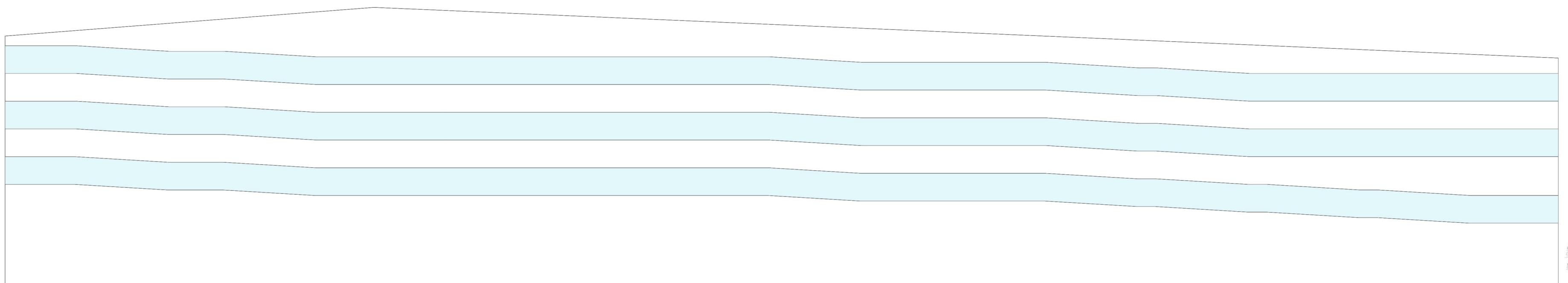
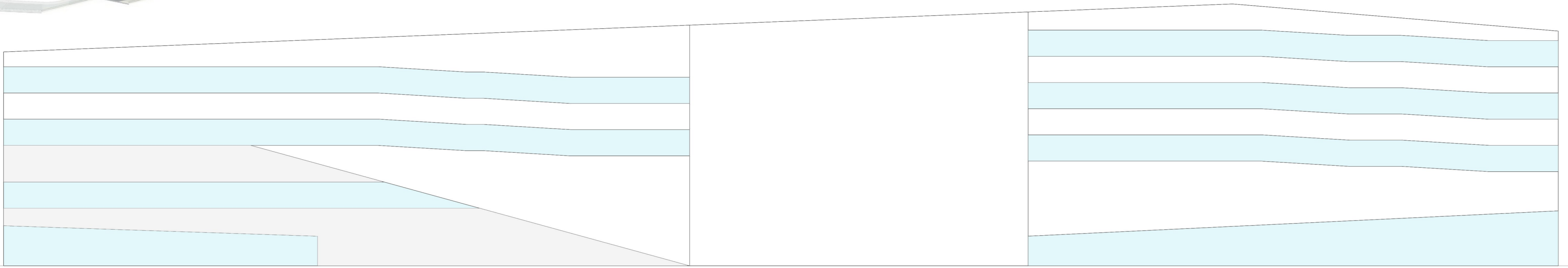
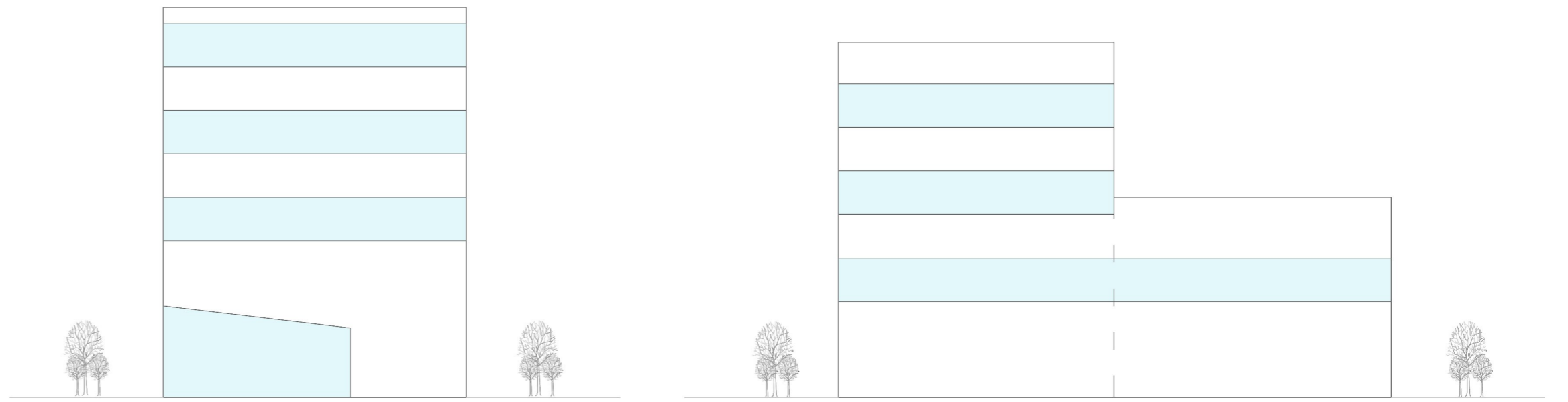
Ambiental section view is from south side, from highway



concept



Graphic explanation of the obstacle principle. It is visible how they are correlated both highway and location with future proposal form. Building shouldn't be also making area behind dead and hidden. It should also in small amount let the area be connected visually to the highway. Especially connection between museum building and highway. Defined approach of the location and 'impact zone' on the building where should be main communication area. Continual movement concept can be prolonged on the green roof, where practically even if the building is 'obstacle' between highway and location, in the same time it merges with surrounding. Movement is continual in one clearly fixed direction. Side from the highway side acts as advertisement of the building, where people from the highway have clear idea from the facade what is going on inside. Also building should represent certain landmark of the area, as important architecture and cultural monument. To increase affect on the people and in the same time make clear the entrance, entrance area with lobby is loved for one level. Acts as a hole which visually pushes people inside.



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