City above rails: Office building

Achten & Pavlíček design studio CTU FA WS 2020/2021

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Introduction

Not enough living space. That is one of the biggest problems of the modern world. More city infrastructures are growing bigger and wider every day and are consuming agricultural land that could be otherwise used to sustain the needs of its citizens.

That very often however doesn't mean that there is no unused land in the cities themselves. It could simply be that the sites are unatractive to the developers or they don't want to have to deal with demolishing old decaying constructions. In cities with high historical value such as Prague there is another fact that makes revitalizing the city centre quite difficult. That being The national herritage institute trying to protect and preserve what is left here from the past.

All these objectives are contributing to the creation of "brown-fields" which are sites with high potential for new construction but for a variety of reasons are not being used or are prohibited from being utilized.

Our project

We decided to tackle one of the biggest brownfields in Prague's city centre. It being the space above the Main ststion's platforms. This place is a highly valuable transportation hub and as such is more than suitable for new development.

Dealing with the site as a whole wasn't an easy task. As it came with a great amount of restrictions and rules that needed to be followed. Keepping in mind the fact that the site is located in an area consided to be urban conservation zone.

As a team we analyzed the aspects that would affect our project and subsequently designed the most suitable and sufficent urban plan.

Afterwards we devided the site into separate plots that served as a base for our separate designs.

- Transport accessibility (public transport, cars)
- Historical center, attractive for tourists
- Many public and cultural places near
- Many green spaces

- Overloaded highway near the building site (noise, dirt, vibrations)
- Unsatisfied condition of the park near the site
- Pedestrian ways only for transit
- Criminal personalities near the railstation

Strengths

S

Weaknesses

W

Opportunities

Т

Threats

- Alive place
- Nice views of the historical center

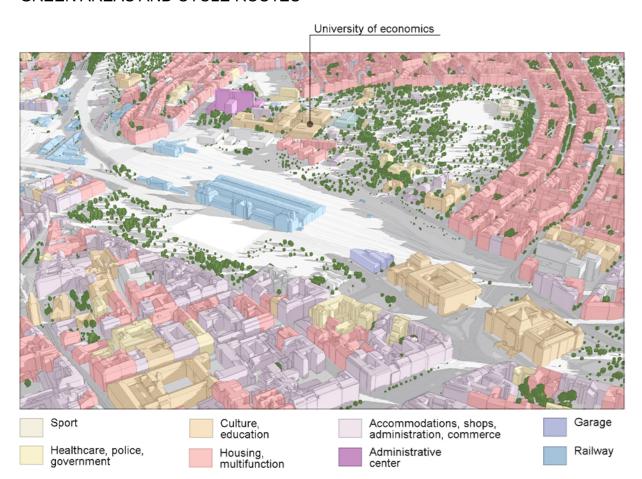
- Noise and vibrations from train station and highway
- Building restrictions in the historical part
- Problems with parking
- Relief differences

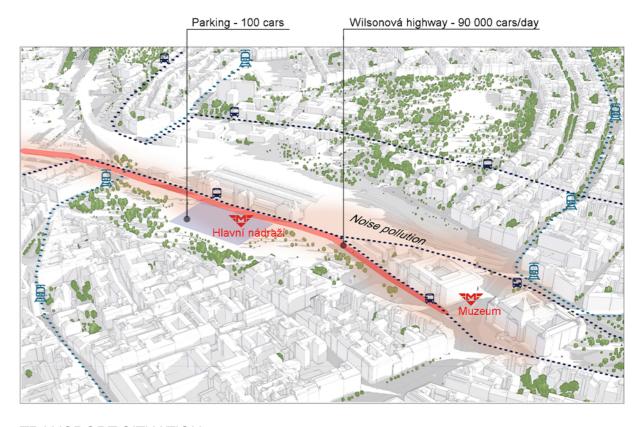
ANALYSIS OF THE TERRITORY



GREEN AREAS AND CYCLE ROUTES

FUNCTIONS



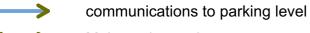


TRANSPORT SITUATION



HIGHT AND HISTORY

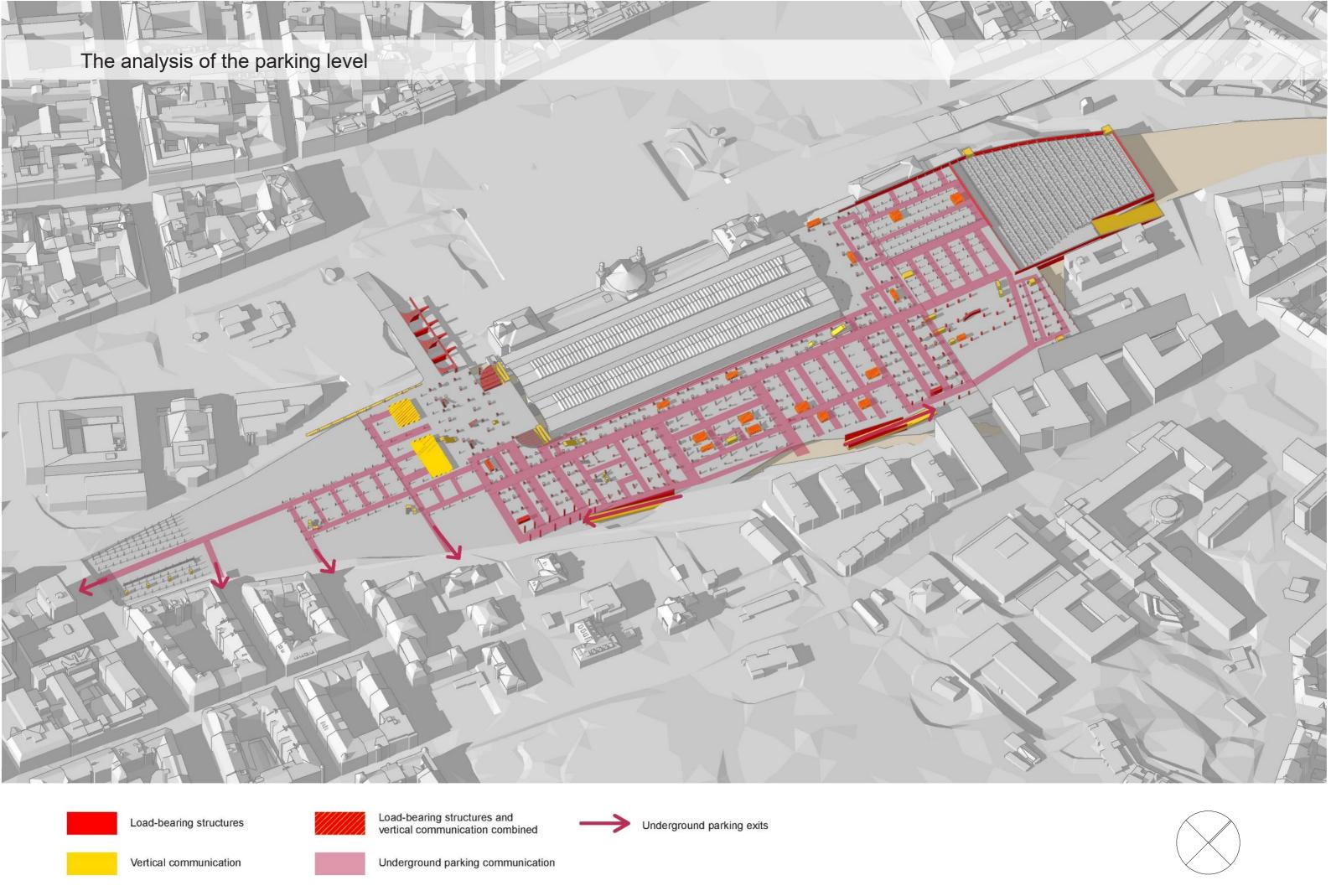




Main station underpasses

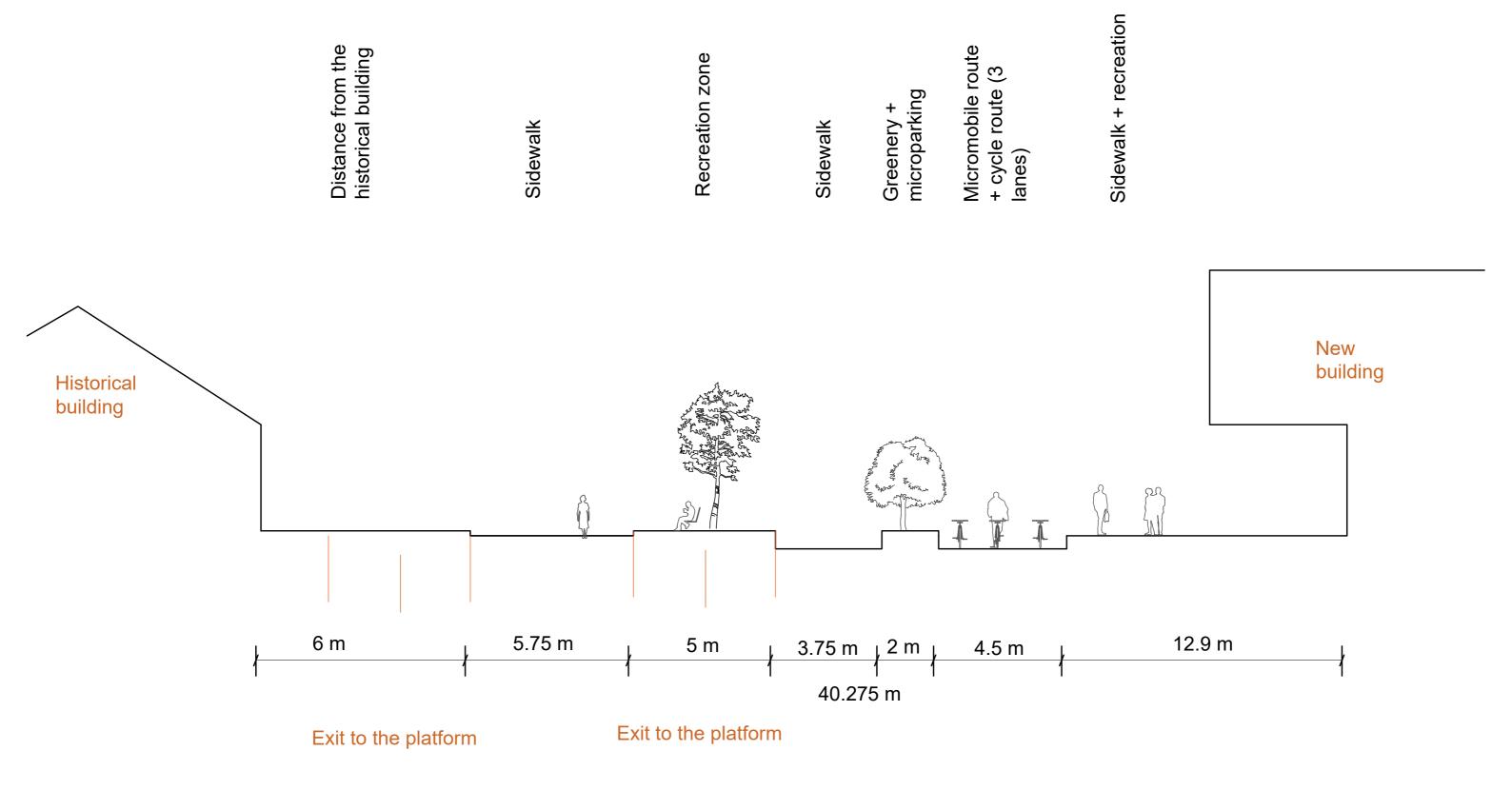
Main micromobility communications (ramp leading to the higher floor)



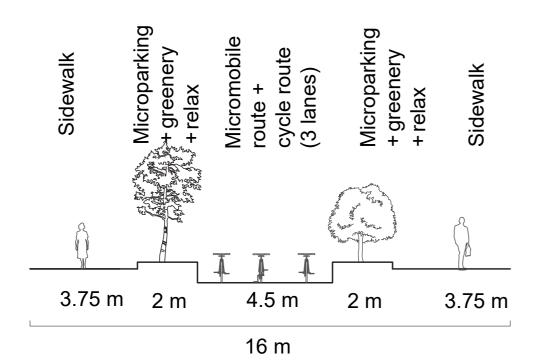




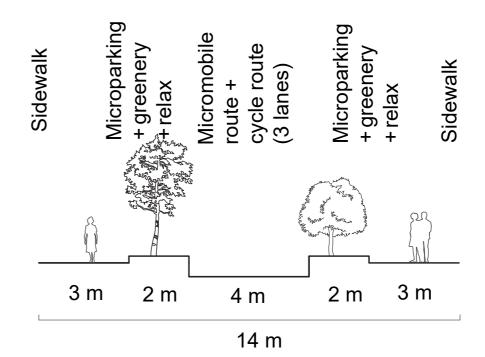
U 1 PROMENADE PROFILE



U 2 PROMENADE PROFILE IN THE NORTHERN AND SOUTHERN PARTS



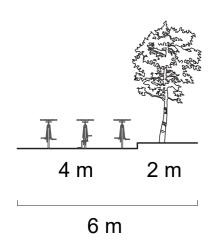
U 3 MAIN STREET PROFILE



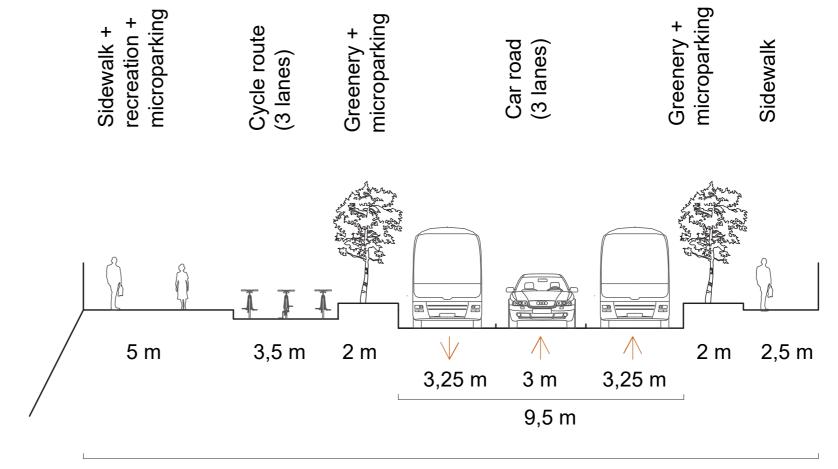
U 4 SECONDARY STREET PROFILE

microparking

Sidewalk + cycle route



U 5 PROFILE OF THE STREET ŠPANELSKÁ

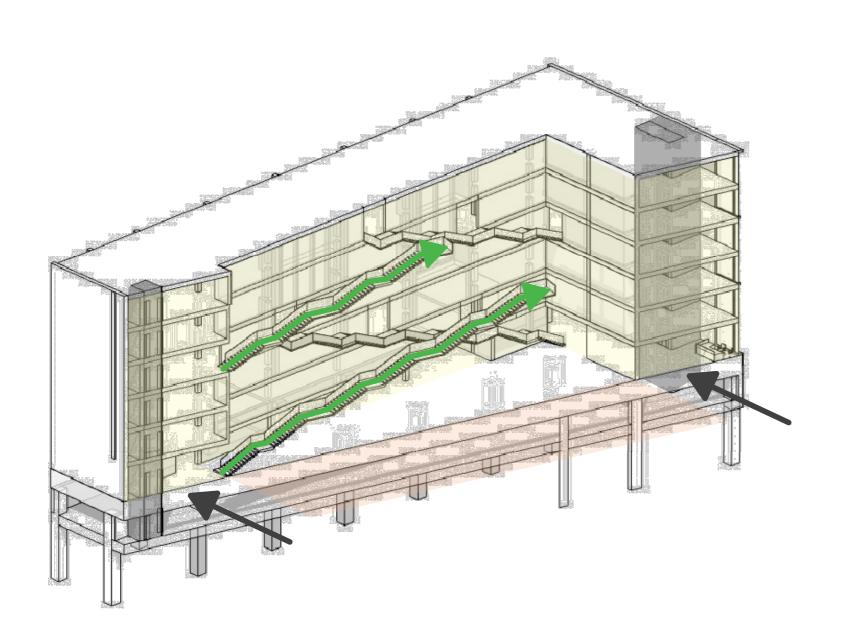


Мургојест

I decided upon designing an office building above the Main station. Considering the convenient location I though it would be a good idea to use all the given advantages and work with them.

Creating a building to which people go just so they can be sitting in the office with their door shut was not my goal. I wanted to create space where people would feel motivated and relaxed This way becoming more effective an efficient.

The most prominent element of the interior is created by the stair-way located in the atrium of the project. It's connecting all of the floors and this way deconstructing the strict box-like old fashioned office space. Making the interior feel more open. This waz people could meet up more easily and work togrther.



FLOORSPACE OVERVIEW

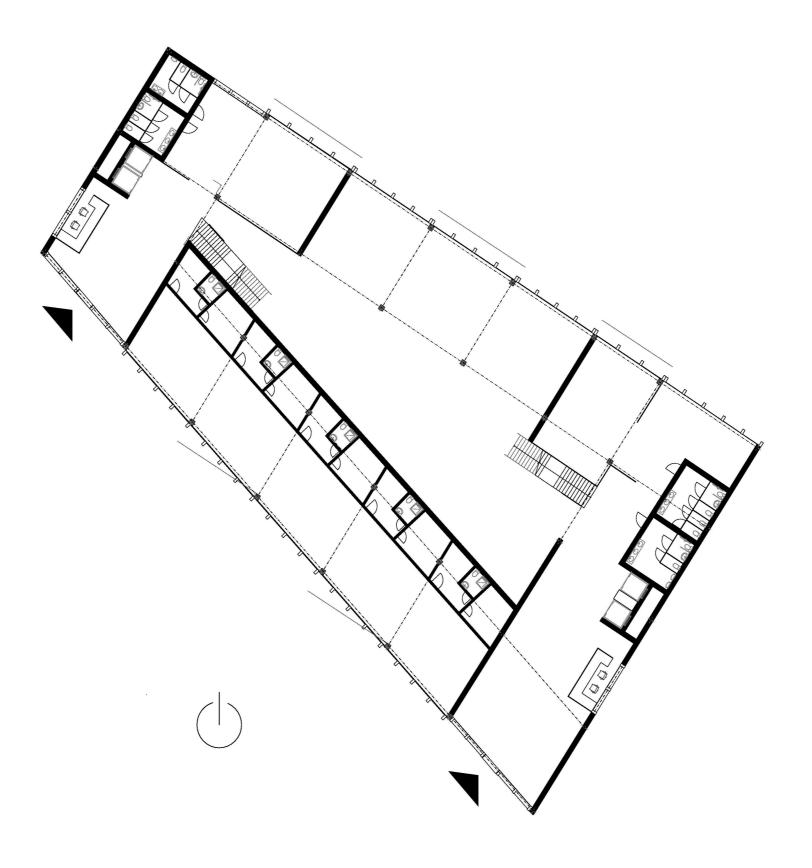
OFFICES - 6852 m²

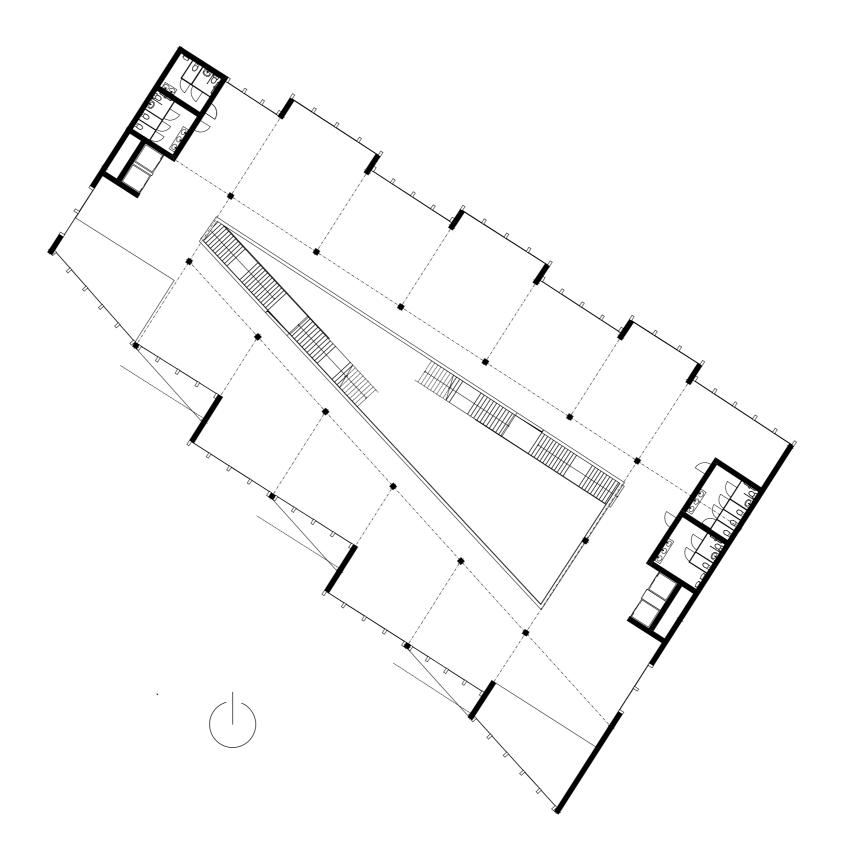
COMMERCIAL RENTAL SPACE - 400 m²

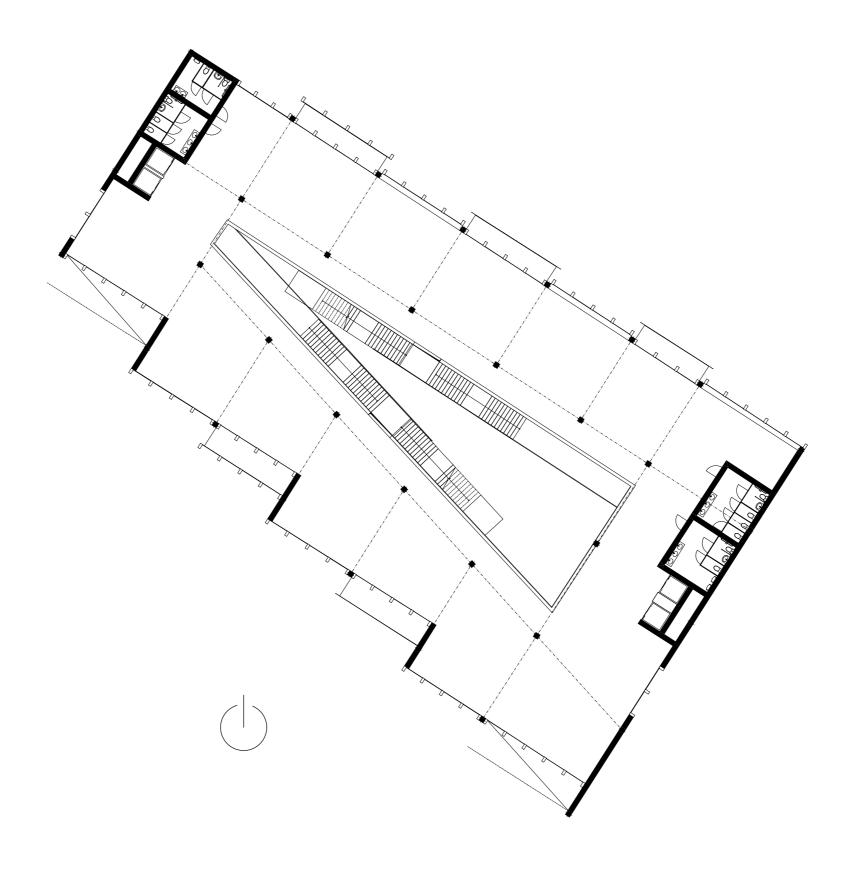
ELEVATORS (CONNECTION BETWEEN THE OFFICE BUILDING AND THE UNDERGROUND PARKING AREA

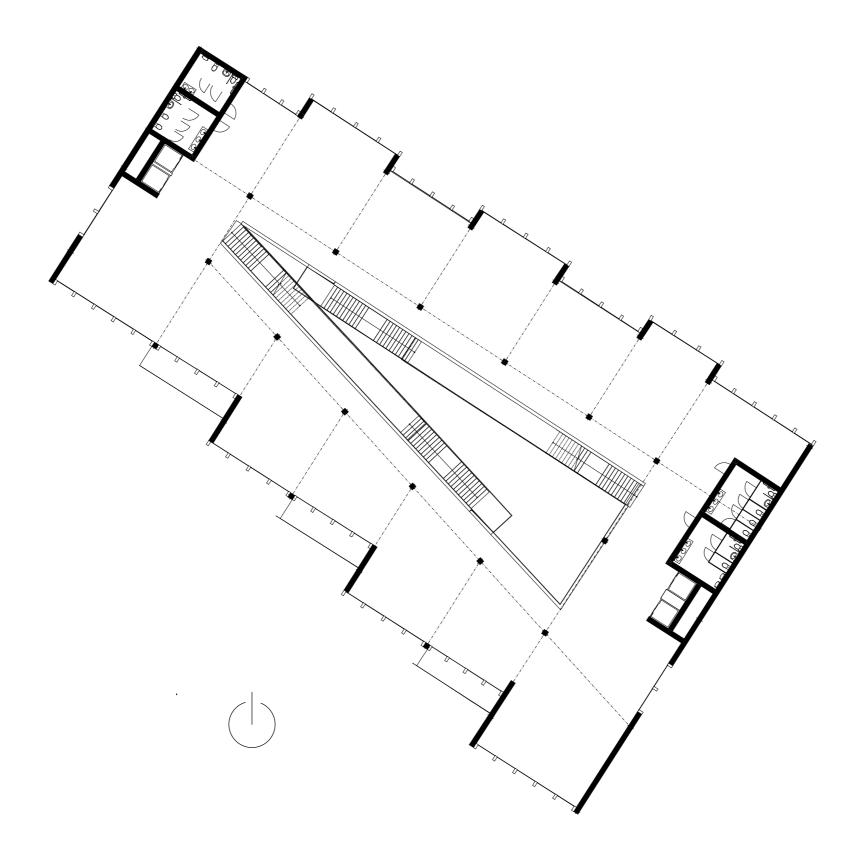
STAIRCASE

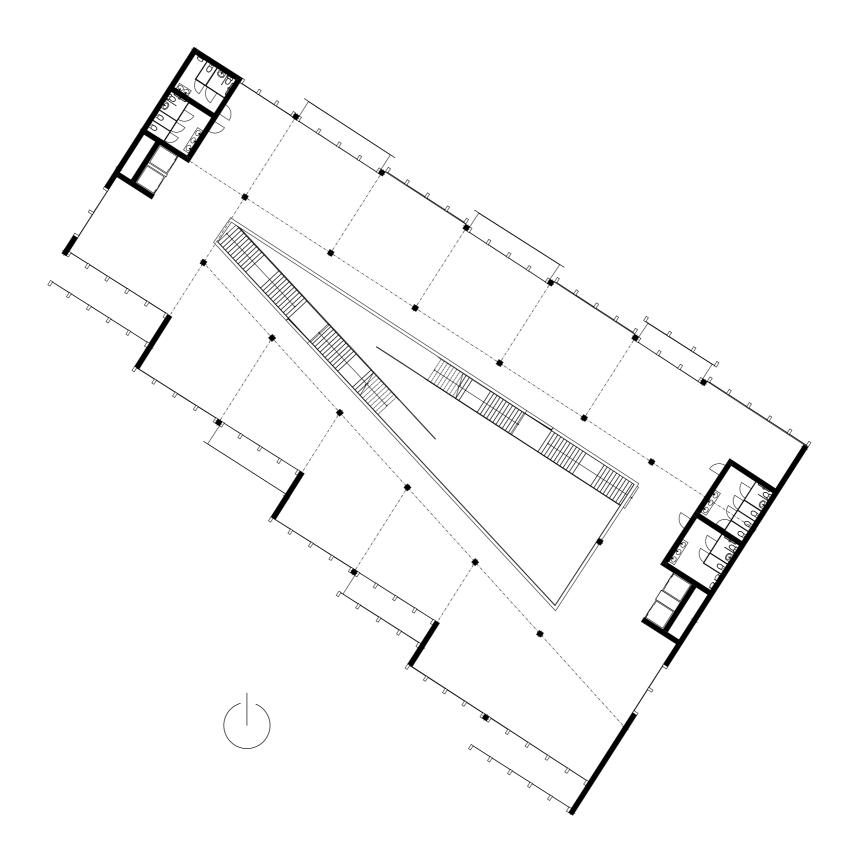
- MAIN ENTRANCES INTO THE OBJECT

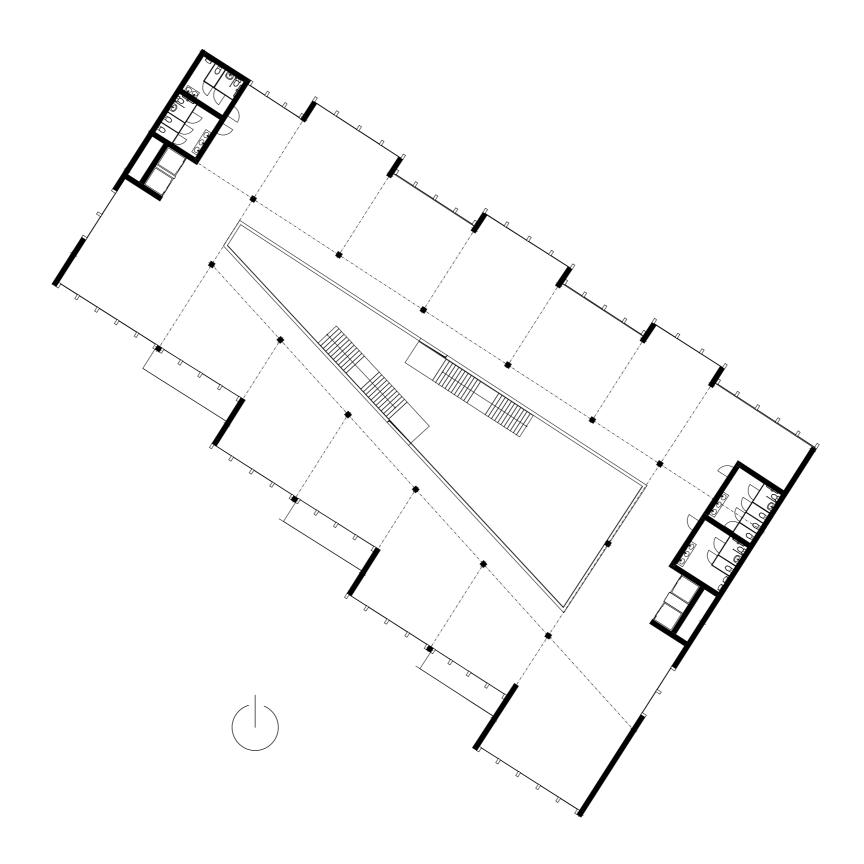




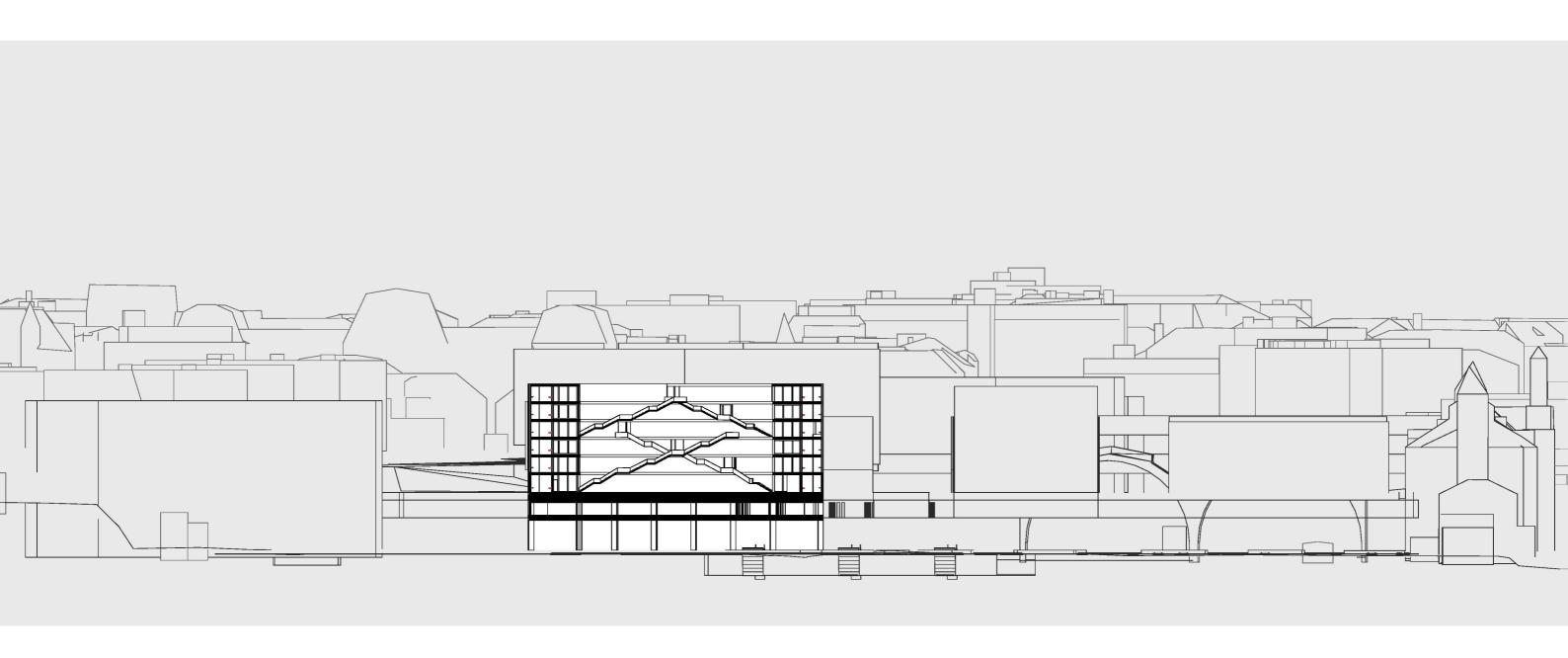


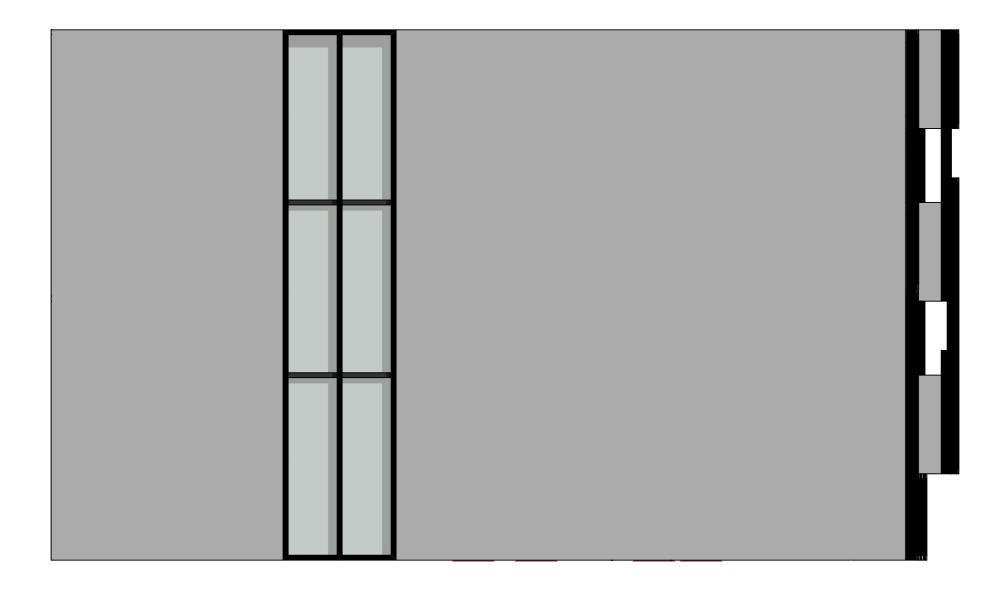


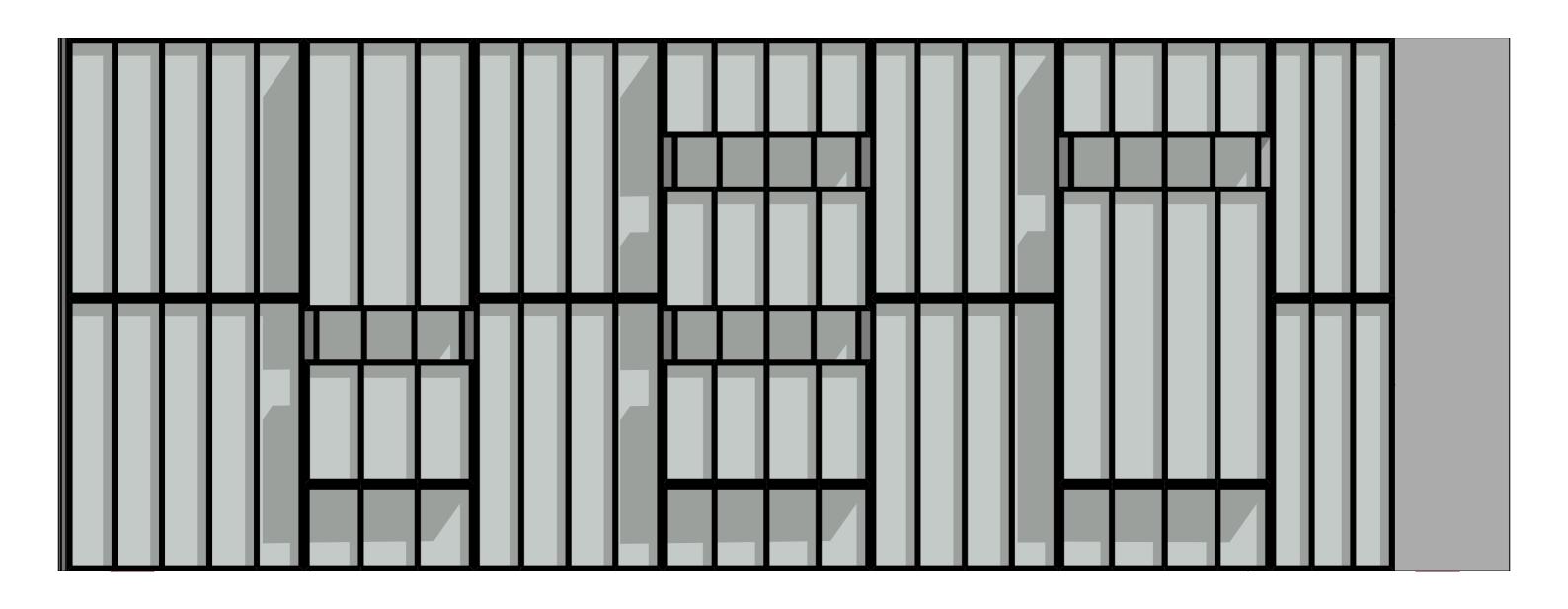




Section







Southeast facade

