

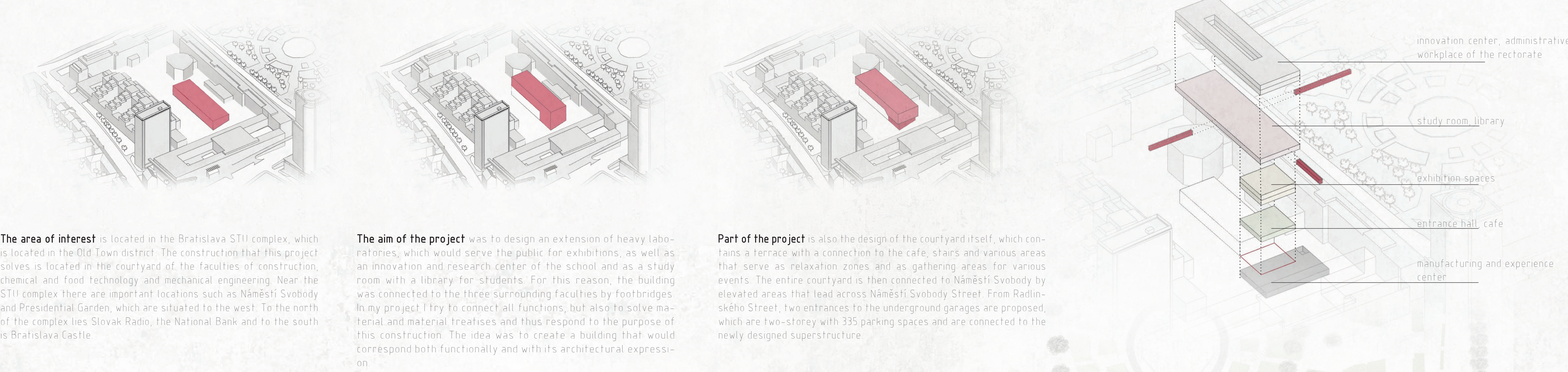


# CAMPUS STU

EXTENSION OF HEAVY LABORATORIES, AREA OF THE SLOVAK TECHNICAL UNIVERSITY, BRATISLAVA

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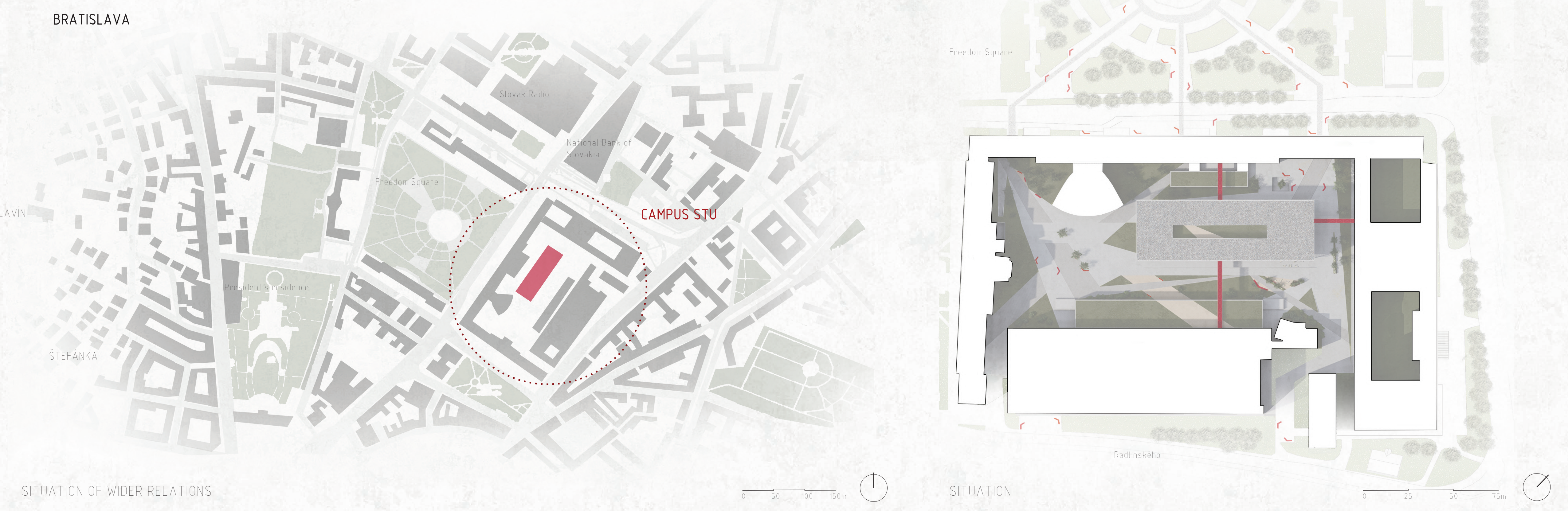
ČVUT FSV, ARCHITEKTURA A STAVITELSTVÍ  
LS 2020/2021



The area of interest is located in the Bratislava STU complex, which is located in the Old Town district. The construction that this project solves is located in the courtyard of the faculties of construction, chemical and food technology and mechanical engineering. Near the STU complex there are important locations such as Námestí Slobody and Presidential Garden, which are situated to the west. To the north of the complex lies Slovak Radio, the National Bank and to the south is Bratislava Castle.

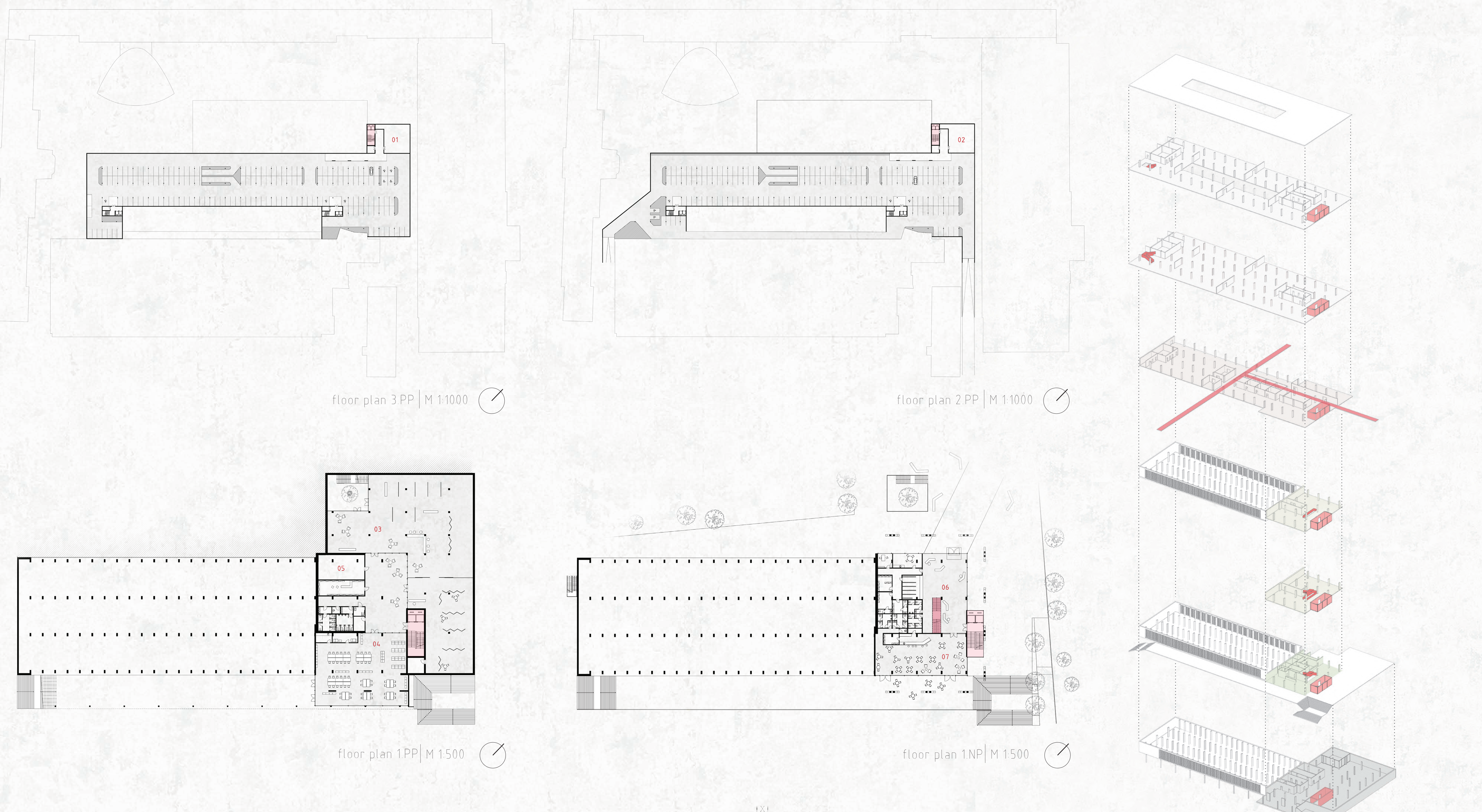
The aim of the project was to design an extension of heavy laboratories, which would serve the public for exhibitions, as well as an innovation and research center of the school and as a study room with a library for students. For this reason, the building was connected to the three surrounding faculties by footbridges. In my project I try to connect all functions, but also to solve material and material treatises and thus respond to the purpose of this construction. The idea was to create a building that would correspond both functionally and with its architectural expression.

Part of the project is also the design of the courtyard itself, which contains a terrace with a connection to the cafe, stairs and various areas that serve as relaxation zones, and as gathering areas for various events. The entire courtyard is then connected to Námestí Slobody by elevated areas that lead across Námestí Slobody Street. From Radničného Street, two entrances to the underground garages are proposed, which are two-storey with 335 parking spaces and are connected to the newly designed superstructure.



SITUATION OF WIDER RELATIONS

SITUATION



floor plan 3 PP | M 1:1000

floor plan 2 PP | M 1:1000

floor plan 1 PP | M 1:500

floor plan 1 NP | M 1:500

floor plan 2 NP | M 1:500

floor plan 3 NP | M 1:500

floor plan 4 NP | M 1:500

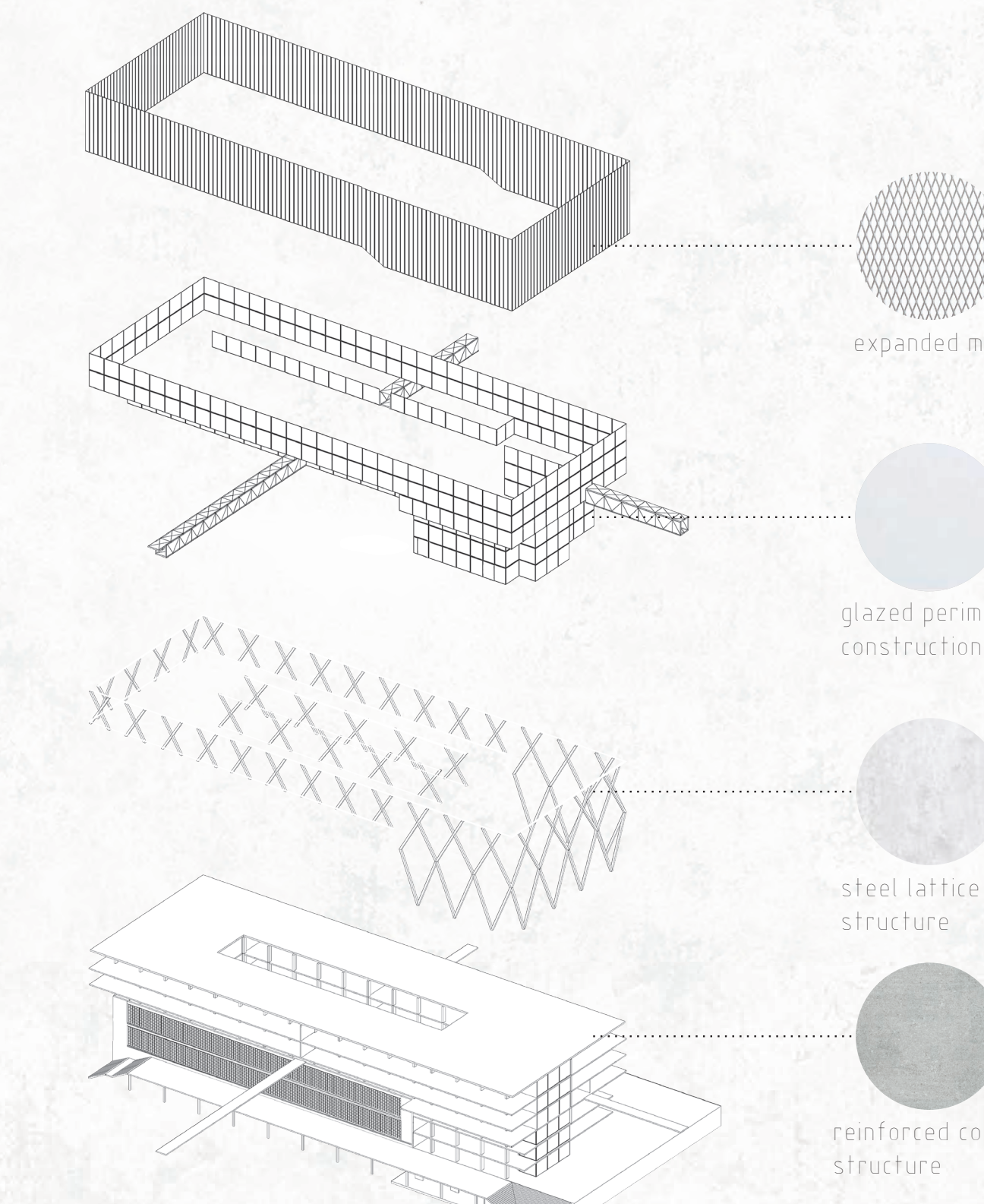
floor plan 5 NP | M 1:500

floor plan 6 NP | M 1:500

- legend of the rooms
- 01 - technical background
  - 02 - technical background
  - 03 - science experience center
  - 04 - manufacturing center
  - 05 - stock
  - 06 - entrance hall, cloakroom
  - 07 - cafe
  - 08 - exhibition spaces
  - 09 - exhibition spaces
  - 010 - social spaces
  - 011 - study
  - 012 - library
  - 013 - multi-purpose space
  - 014 - innovation center
  - 015 - innovation center
  - 016 - administrative workplace of the Rectorate

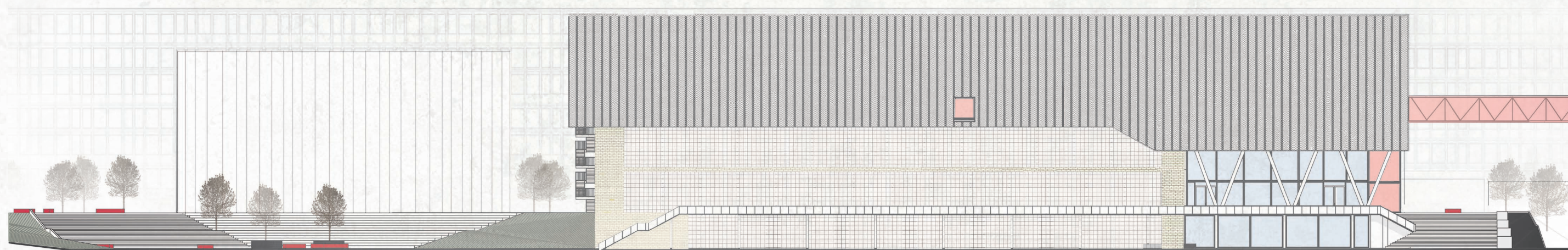
The load-bearing structure of the superstructure consists of inclined steel columns and steel lattice girders, which are admitted.

The cladding of the building consists of a glazed perimeter structure, which is covered by a supporting structure made of white expanded metal. This overhanging structure is attached with a steel grate.

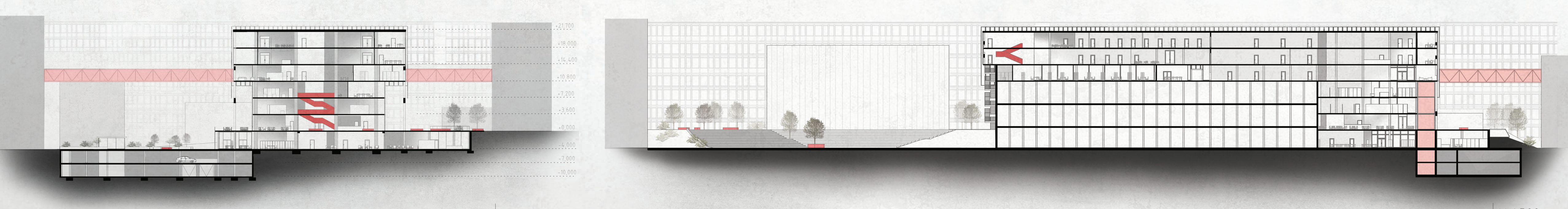


AXONOMETRY | FLOORS

AXONOMETRY | MATERIAL



VIEW S-E | M 1:1500



CROSS SECTION | M 1:500

LONGITUDINAL SECTION | M 1:500

