



1. Residence of the President of Slovakia 2. Government office of the Slovakia



### TRAFFIC



### WALKING ROUTES

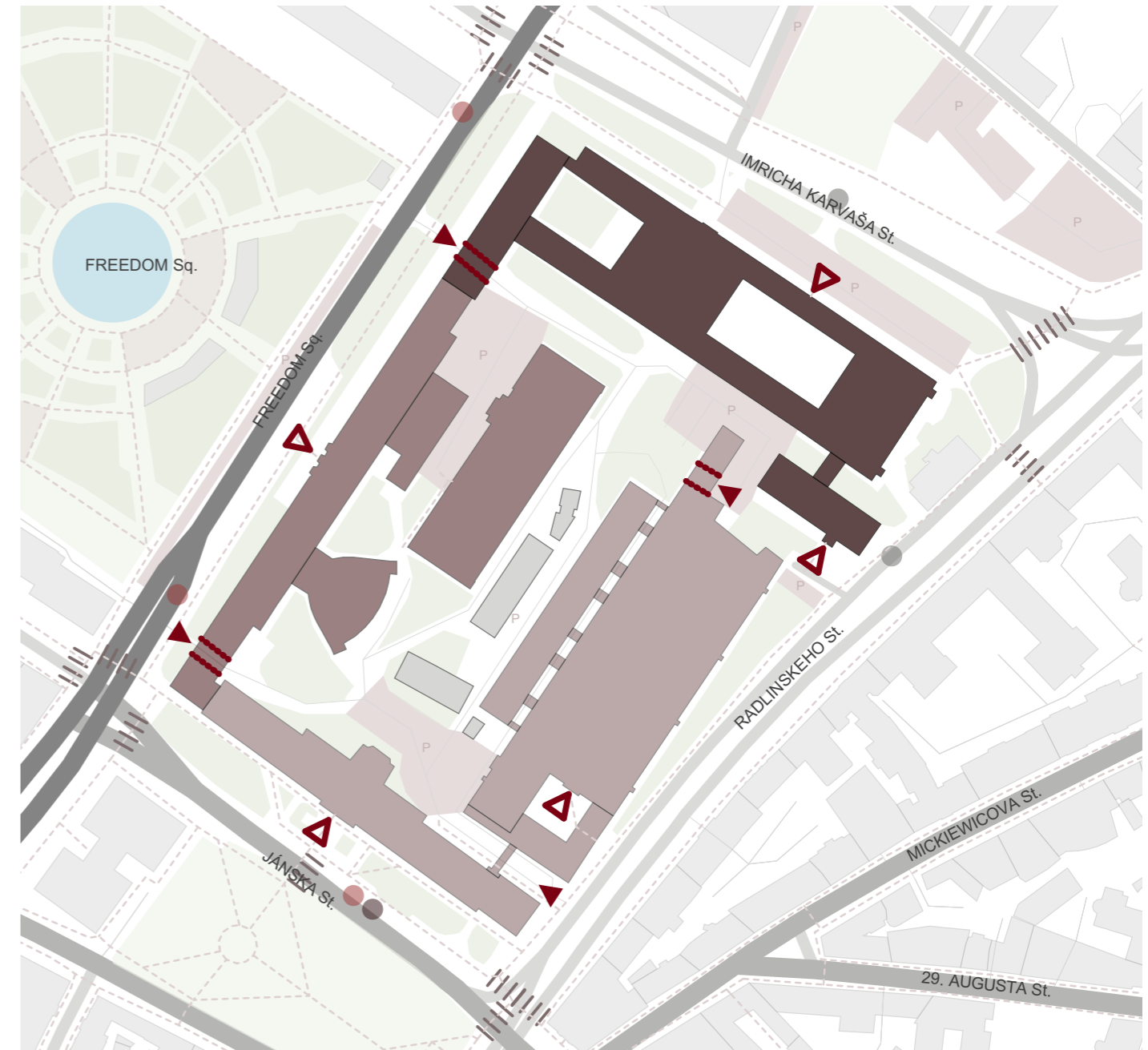


- |  |                                   |  |                     |  |                        |
|--|-----------------------------------|--|---------------------|--|------------------------|
|  | Collective communications - FT B2 |  | Parking places      |  | Tram stops             |
|  | Service communications - FT C1+C  |  | Pedestrian zone     |  | Bus stops              |
|  | Communications                    |  | Surrounding objects |  | Public transport stops |
|  | Tramway                           |  | STU                 |  |                        |
|  | Trolleybus                        |  |                     |  |                        |

VEGETATION

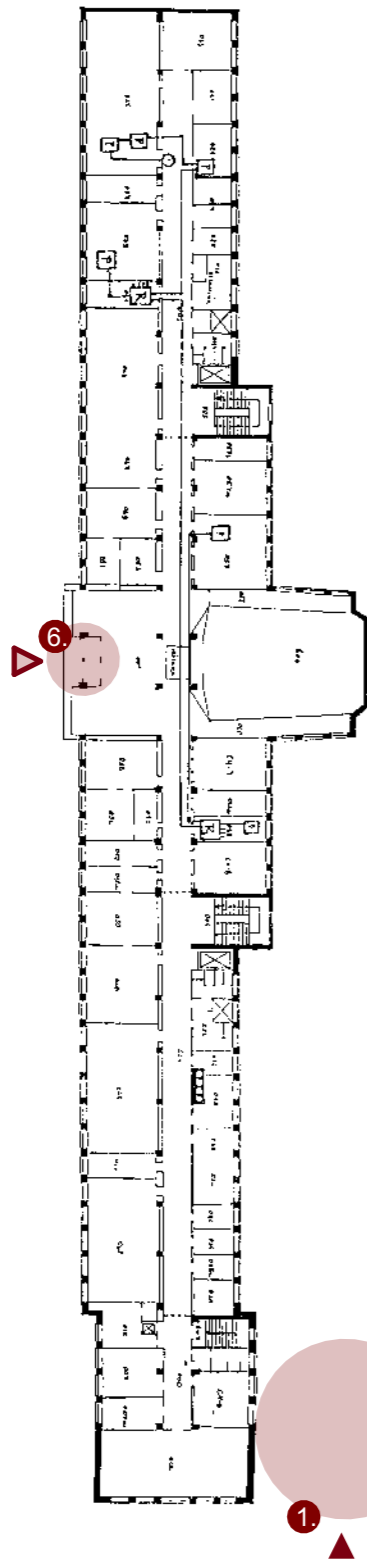


MAIN ENTRANCES TO THE FACULTIES AND THE COURTYARD



- |  |                                   |  |                              |  |   |  |                        |  |                                 |
|--|-----------------------------------|--|------------------------------|--|---|--|------------------------|--|---------------------------------|
|  | Collective communications - FT B2 |  | Parks                        |  | Faculty of civil engineering            |  | Tram stops             |  | Entrances to the courtyard STU  |
|  | Service communications - FT C1+C  |  | Reserved greenery facilities |  | Faculty of mechanical engineering       |  | Bus stops              |  | Main entrances to the buildings |
|  | Communications                    |  | Surrounding objects          |  | Faculty of chemical and food technology |  | Public transport stops |  |                                 |
|  | Fountain                          |  | STU                          |  | Objects in the STU courtyard            |  |                        |  |                                 |

1ST FLOOR PLAN OF THE OLD BUILDING FACULTY OF CHEMICAL AND FOOD TECHNOLOGY



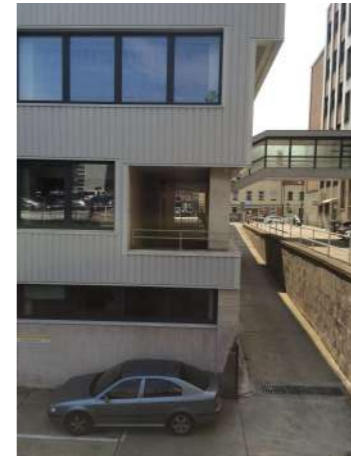
1. ENTRY FROM RADLINSKEHO STREET



2. MAIN ENTRANCE TO FCHPT FROM RADLINSKEHO STREET



3. ENTRY TO THE STU COURTYARD



4. ENTRY FROM RADLINSKEHO STREET



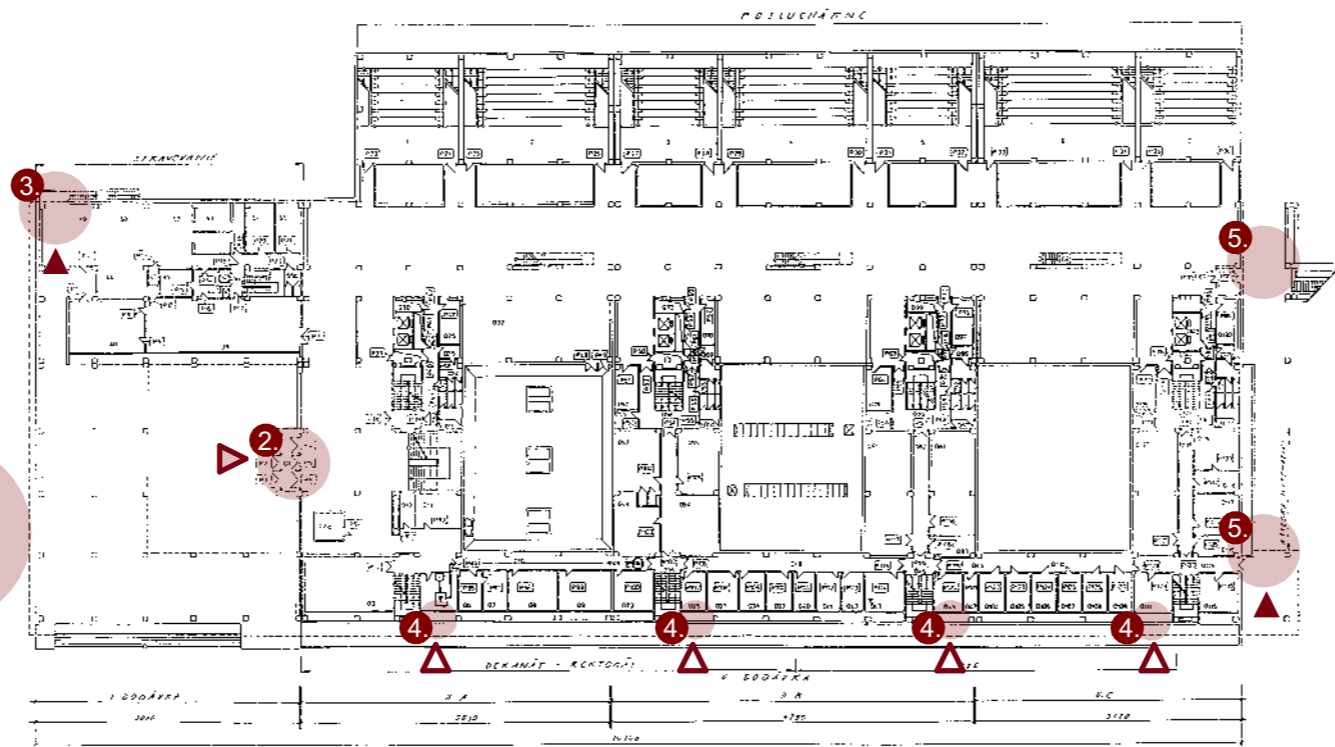
5. ENTRY TO THE STU COURTYARD FROM RADLINSKA STREET



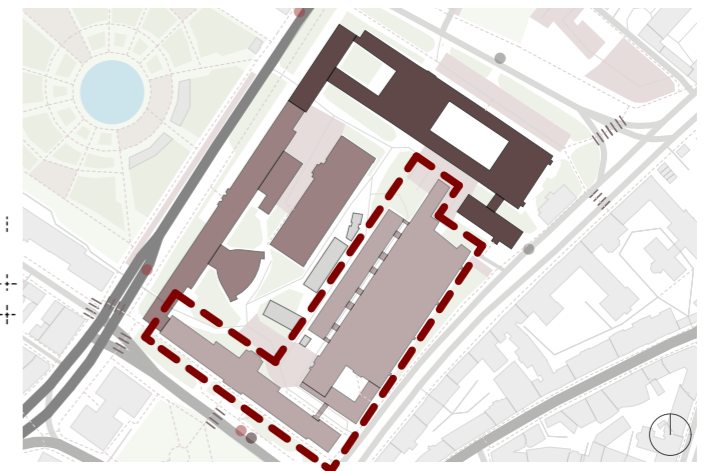
5. ENTRY TO THE STU COURTYARD



6. MAIN ENTRANCE TO FCHPT FROM JÁNSKA STREET

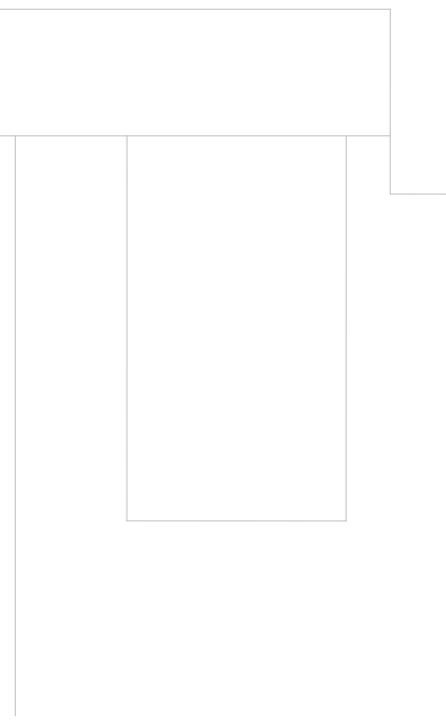
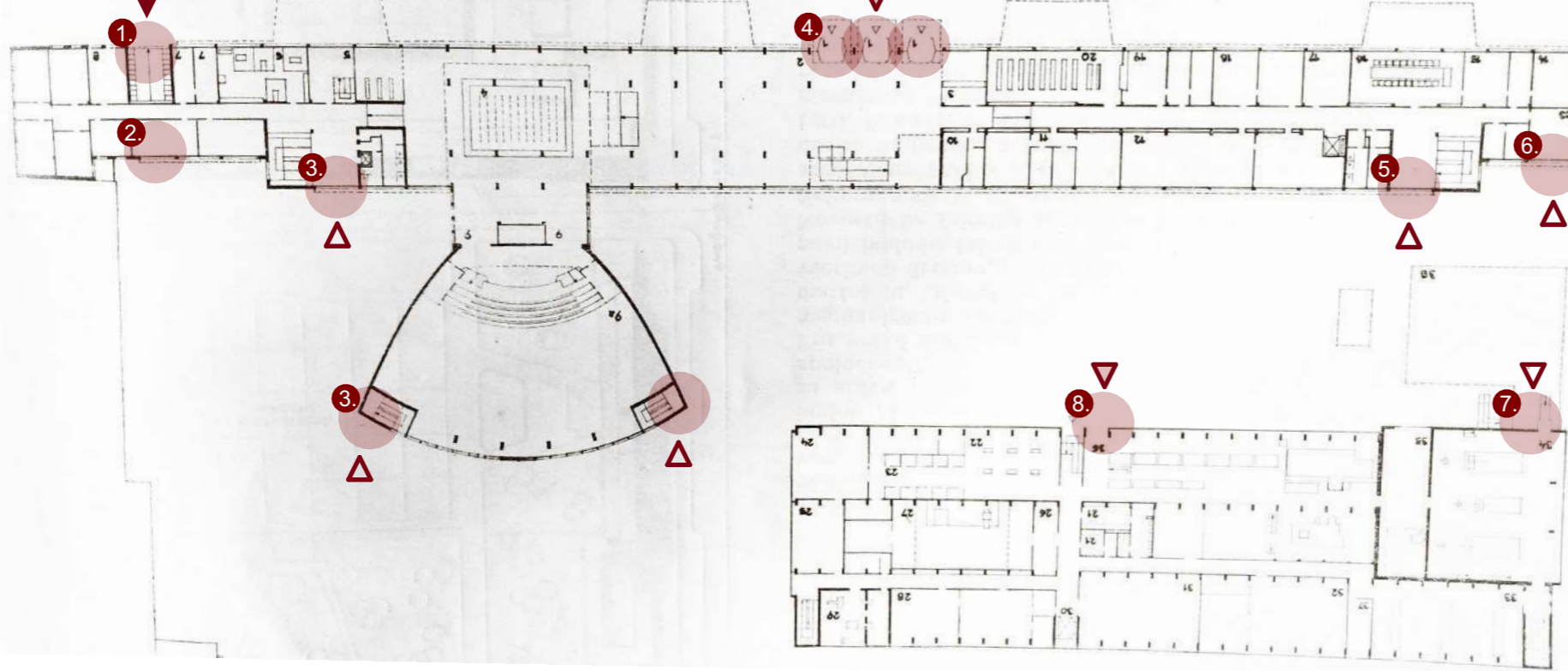


1ST FLOOR PLAN OF THE NEW BUILDING FACULTY OF CHEMICAL AND FOOD TECHNOLOGY



- Faculty of chemical and food technology
- ▲ Entrances to the courtyard STU
- ▼ Main entrances to the buildings
- ▷ Entrances to the buildings

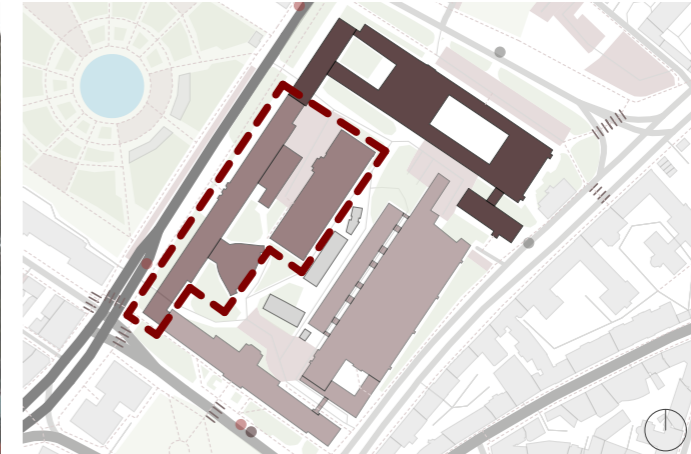
1ST FLOOR PLAN OF FACULTY OF MECHANICAL ENGINEERING



1. ENTRY FROM FREEDOM Sq.

2. EXIT FROM THE STU AREA TO FREEDOM Sq.

3. ENTRY TO THE BUILDING AND TO THE SJF HALL



4. MAIN ENTRANCE FROM FREEDOM Sq.





5. ENTRY TO THE BUILDING FROM STU COURTYARD

6. ENTRY TO THE BUILDING FROM STU COURTYARD

7. ENTRY TO THE LABORATORIES

8. MAIN ENTRANCE TO THE LAB.



-  Faculty of mechanical engineering
-  Entrances to the courtyard STU
-  Main entrances to the buildings
-  Entrances to the buildings

1. ENTRY FROM FREEDOM Sq. THROUGH BLOCK "A"



2. ENTRY TO SVF FROM STU COURTYARD



3. MAIN ENTRANCE FROM I.KARVAŠA STREET TO BLOCK "B"



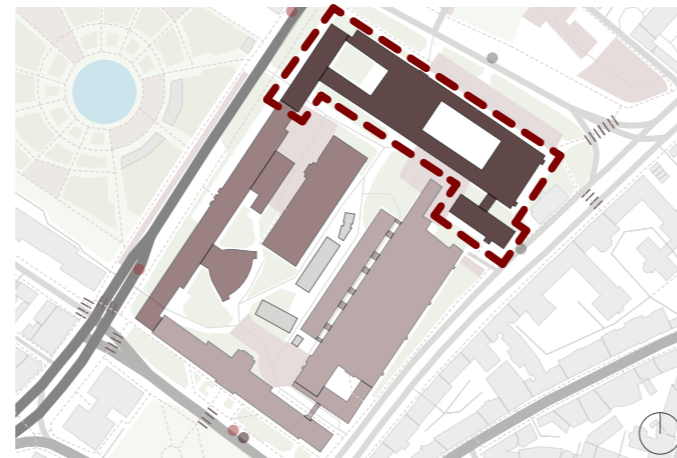
4. ENTRY FROM RADLINSKEHO STREET



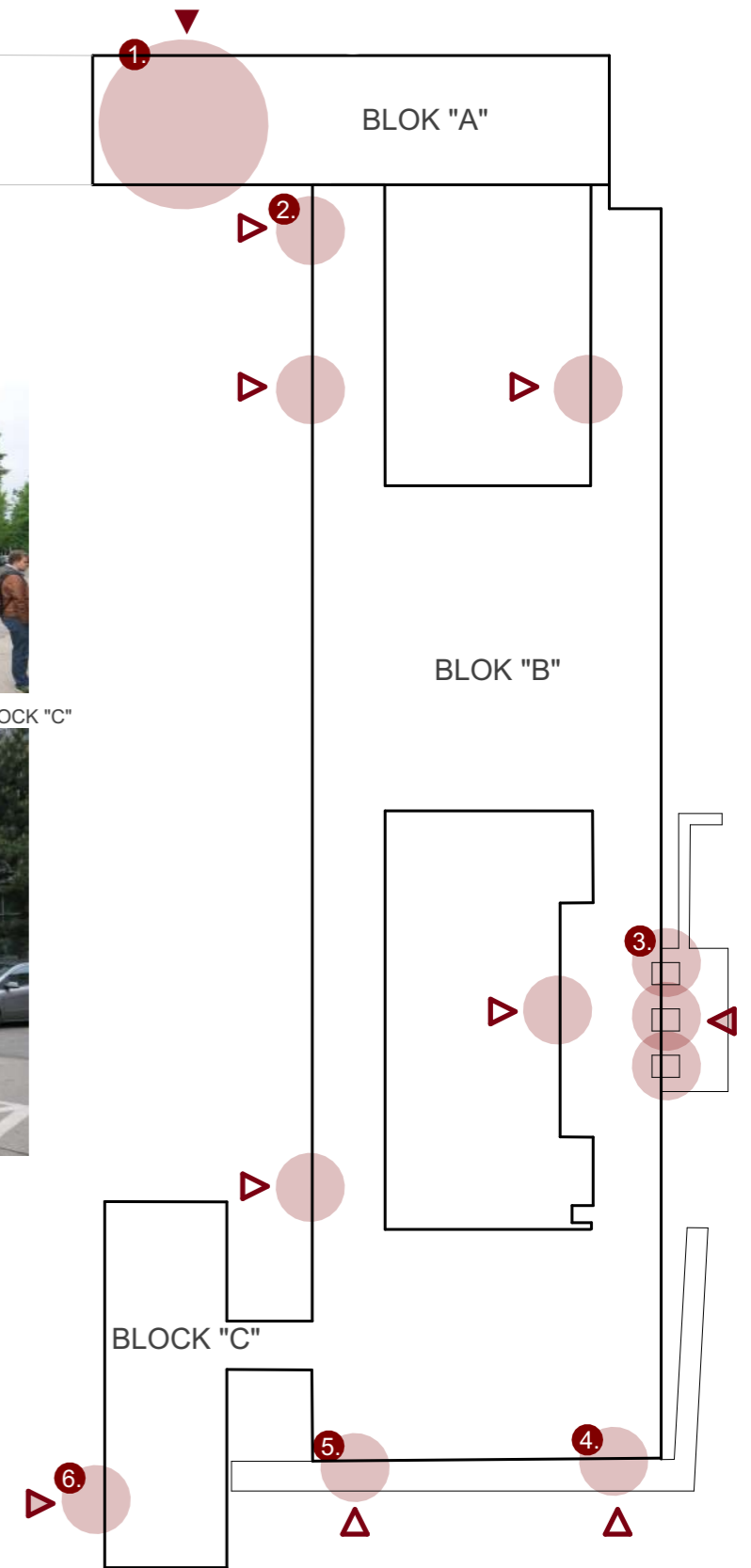
5. ENTRY FROM RADLINSKEHO STREET



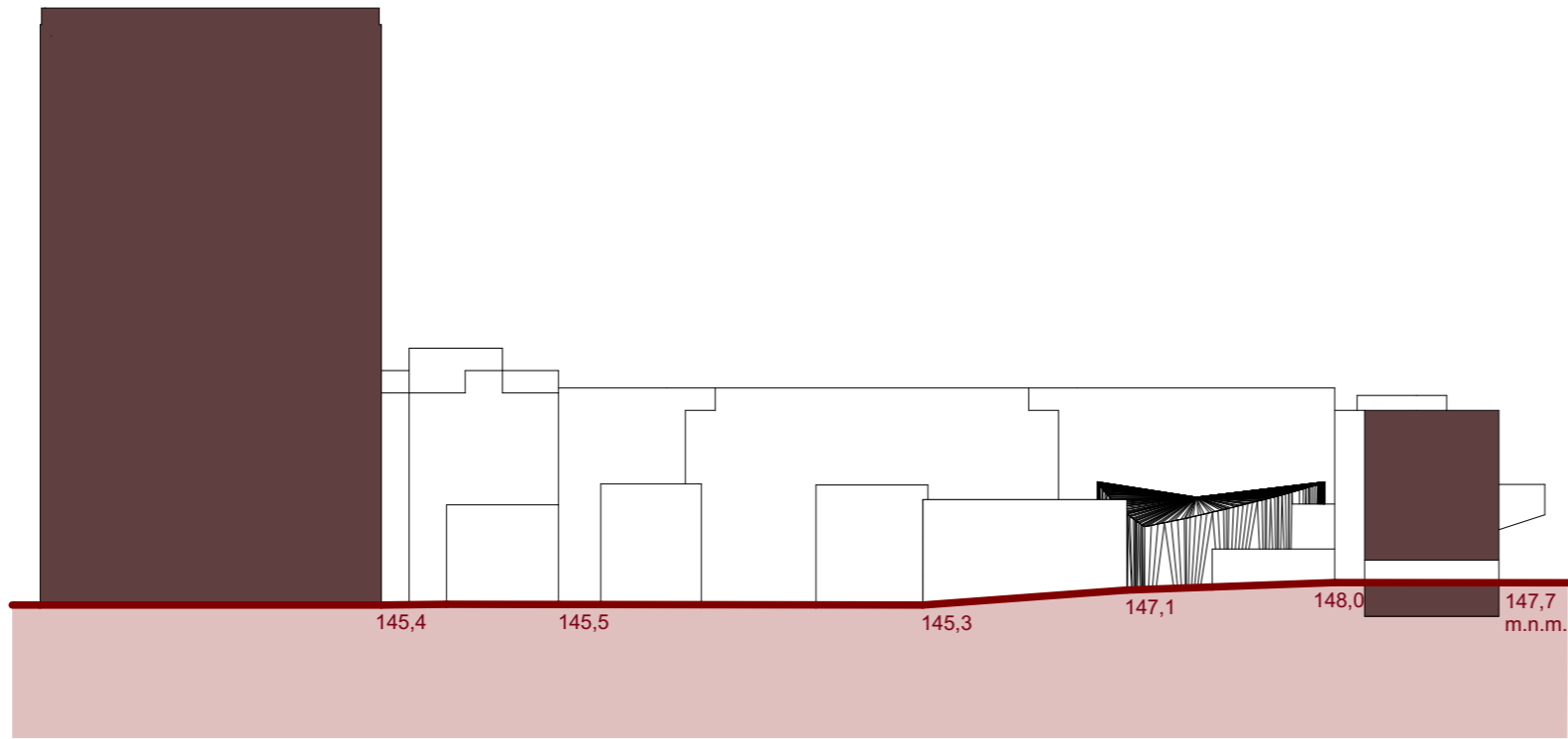
6. SECONDARY ENTRANCE FROM RADLINSKEHO STREET TO BLOCK "C"



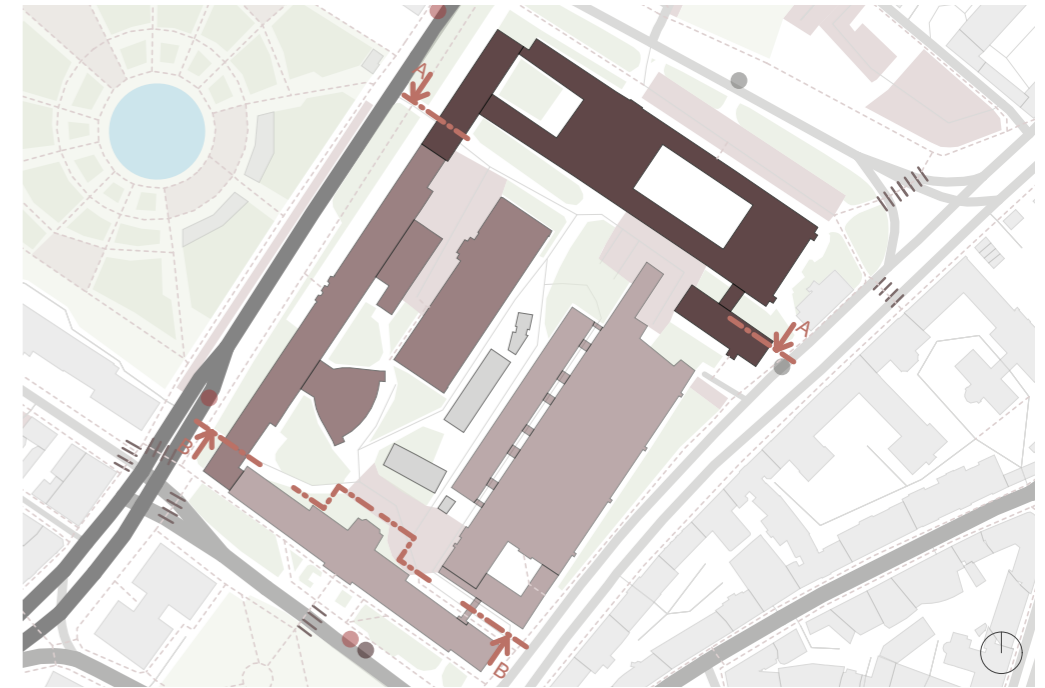
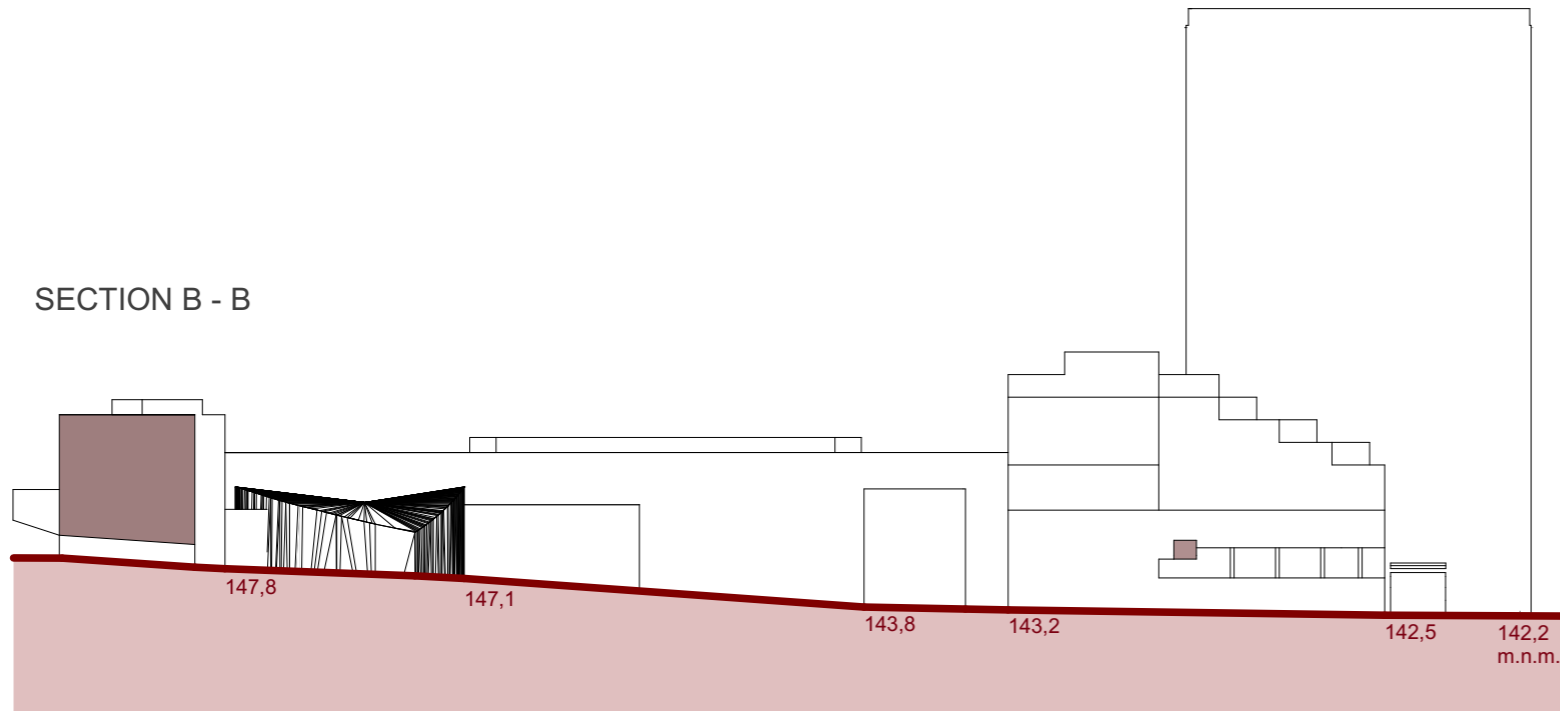
- Faculty of civil engineering
- Entrances to the courtyard STU
- Main entrances to the buildings
- Entrances to the buildings

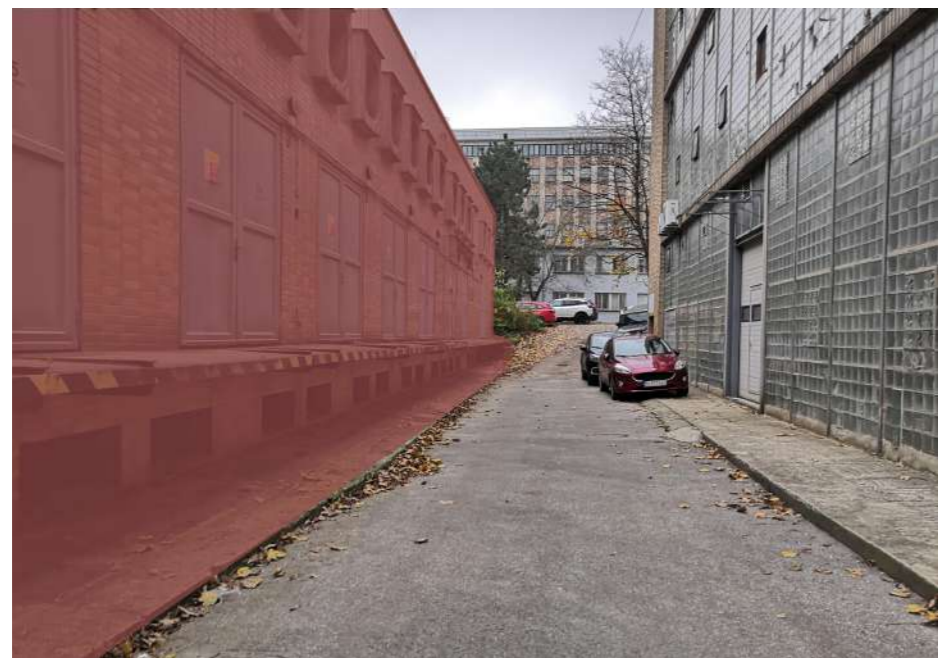
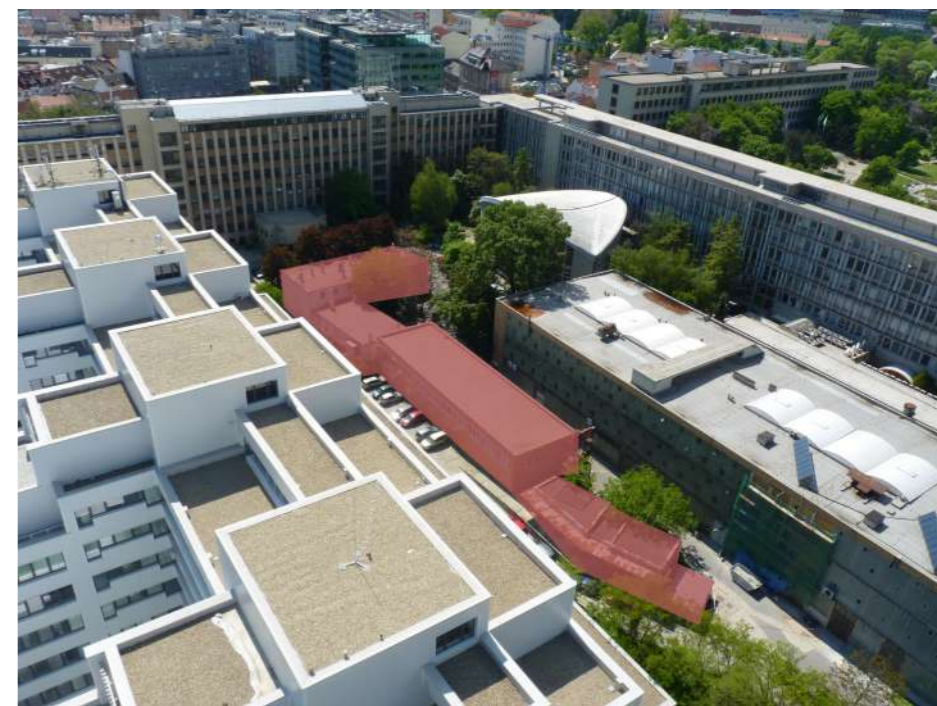
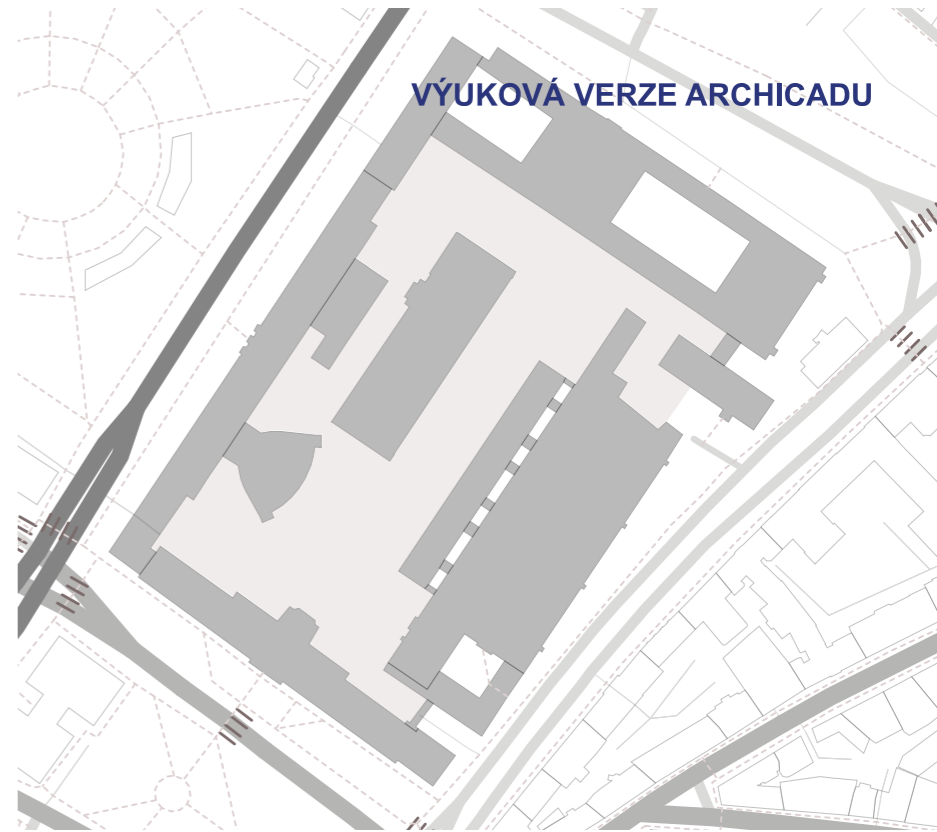
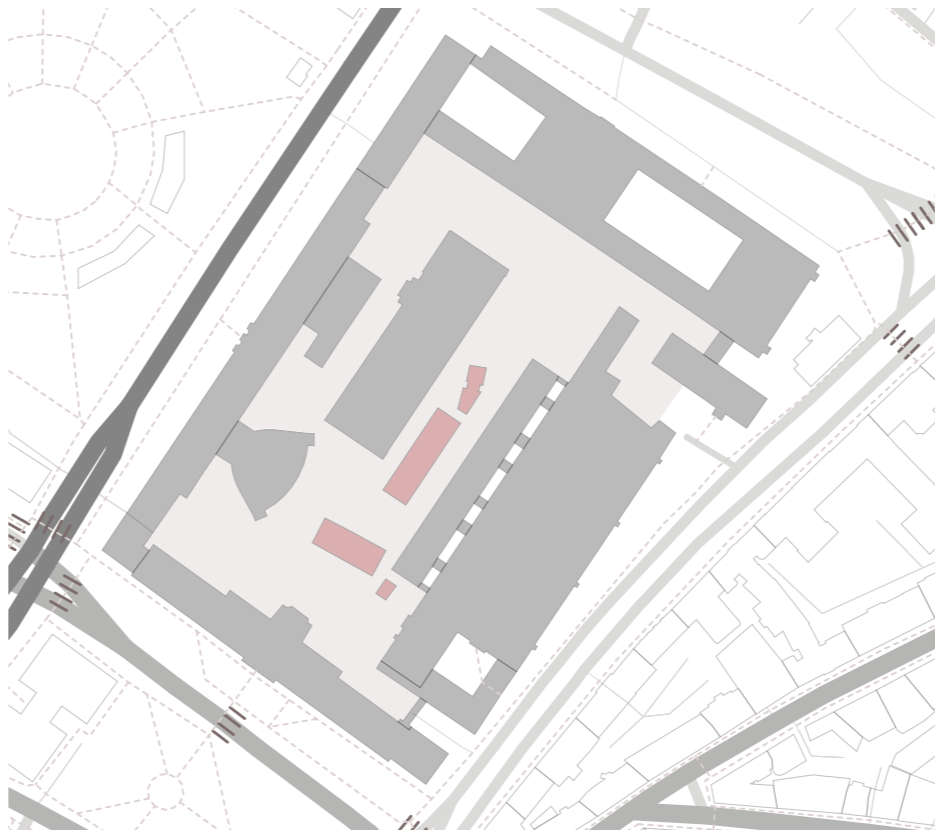
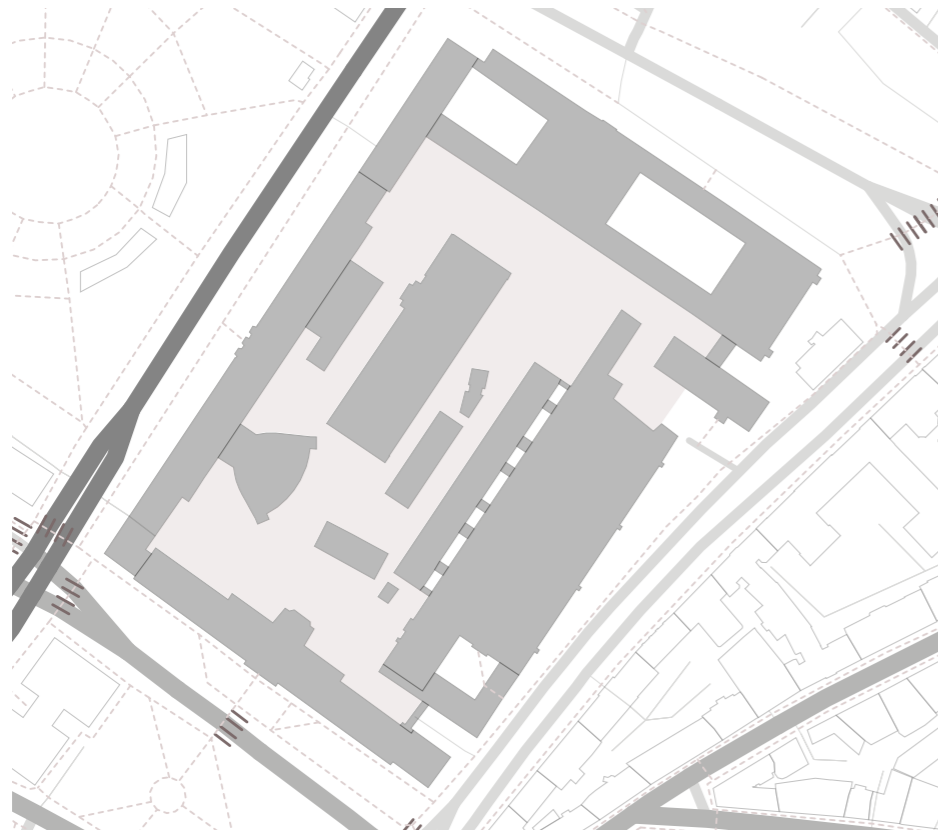




SECTION A - A



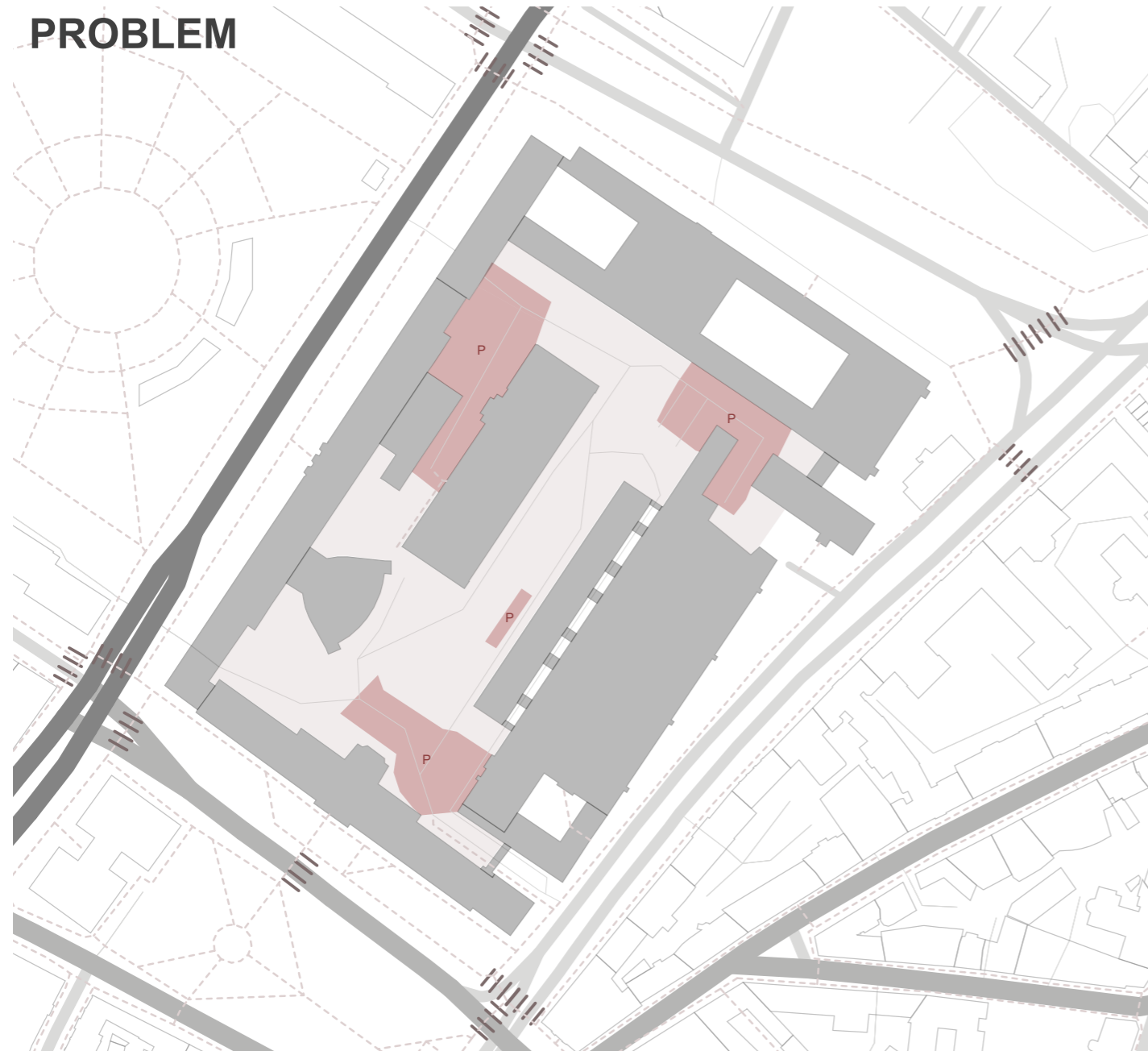
SECTION B - B





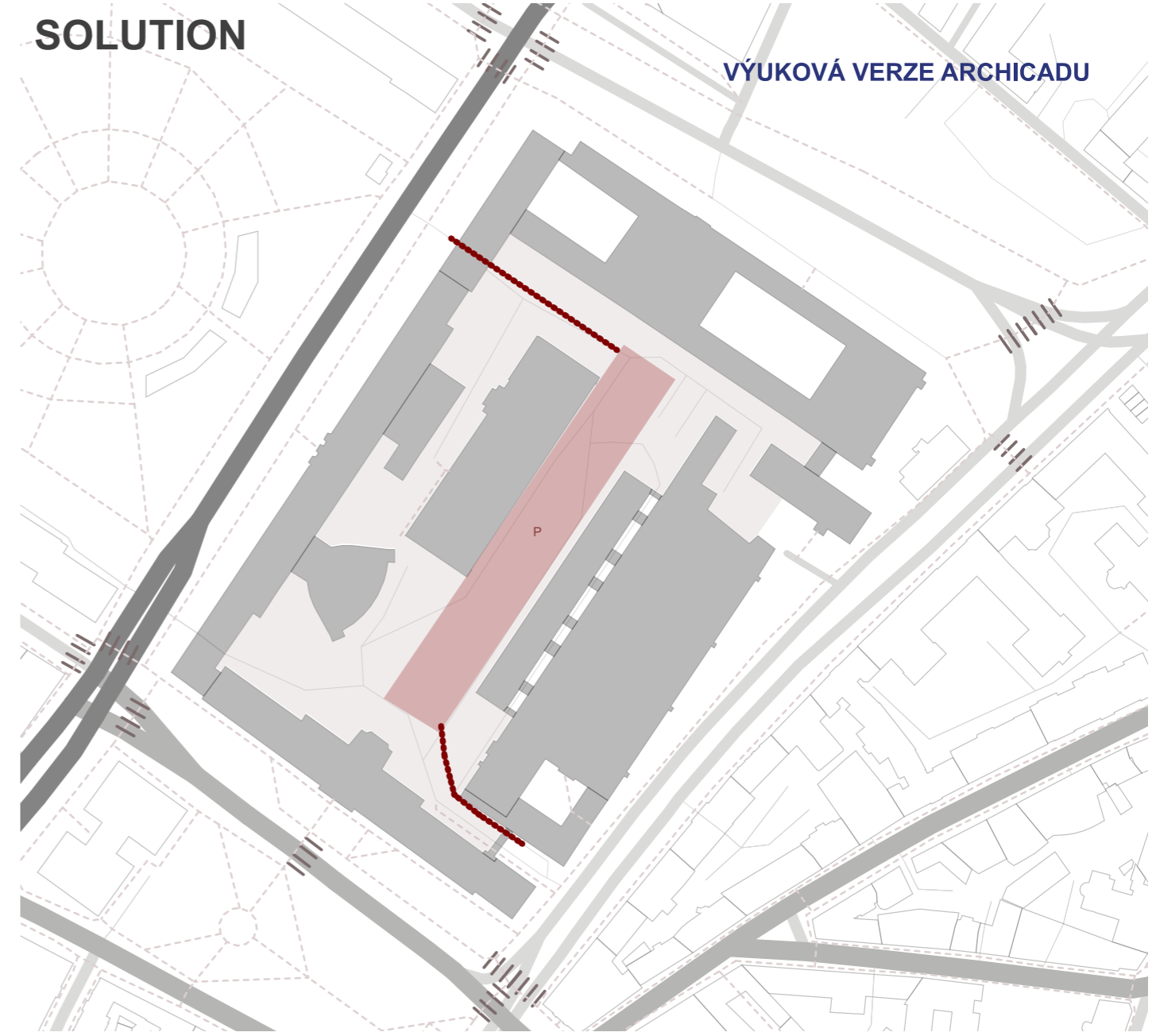
-  Courtyard
-  Demolition works

# PROBLEM



ORIGINAL CONDITION: parking on the surface

# SOLUTION

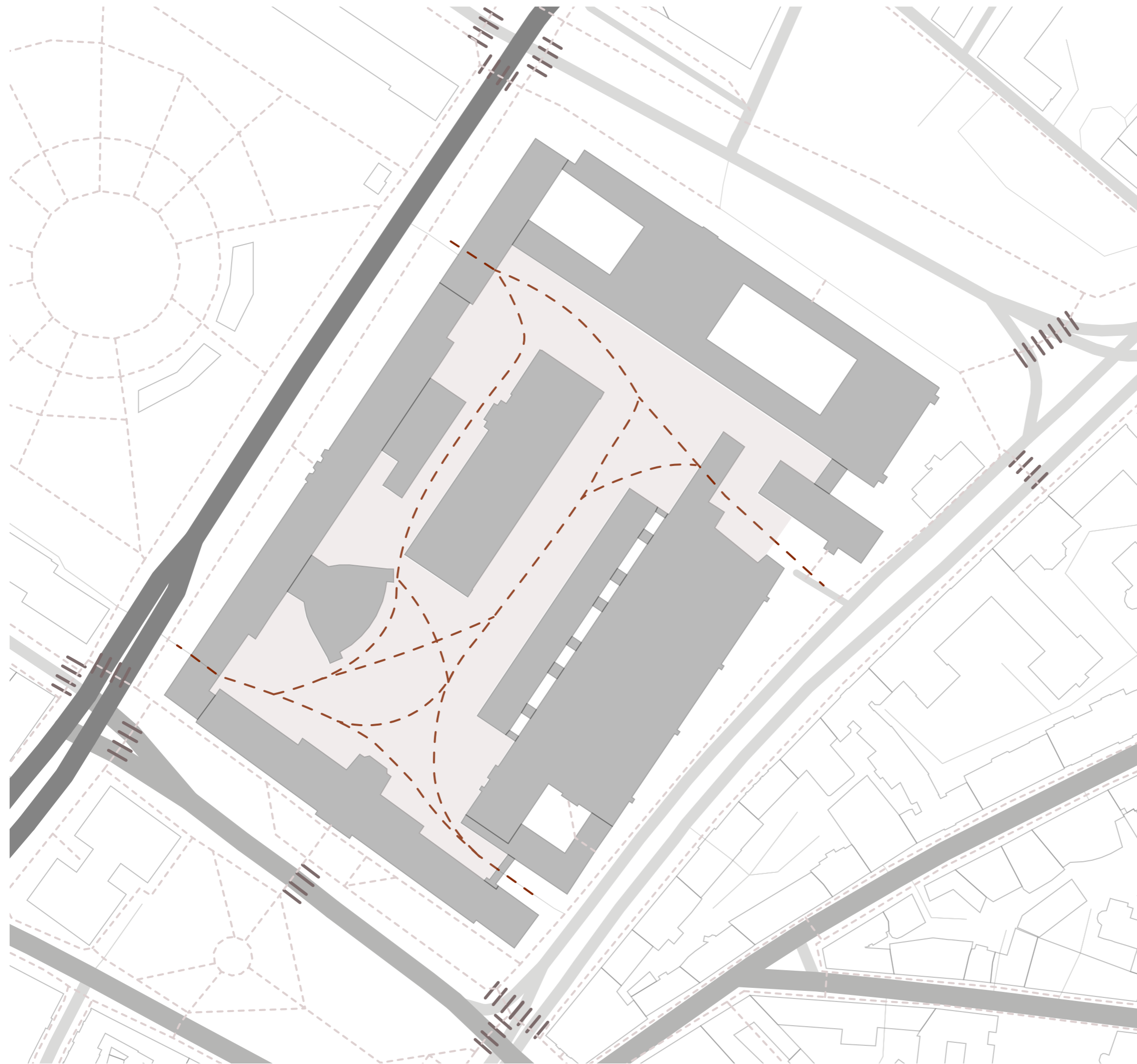


NEW CONDITION: underground parking  
area of about 8600 m<sup>2</sup>  
265 parking spaces

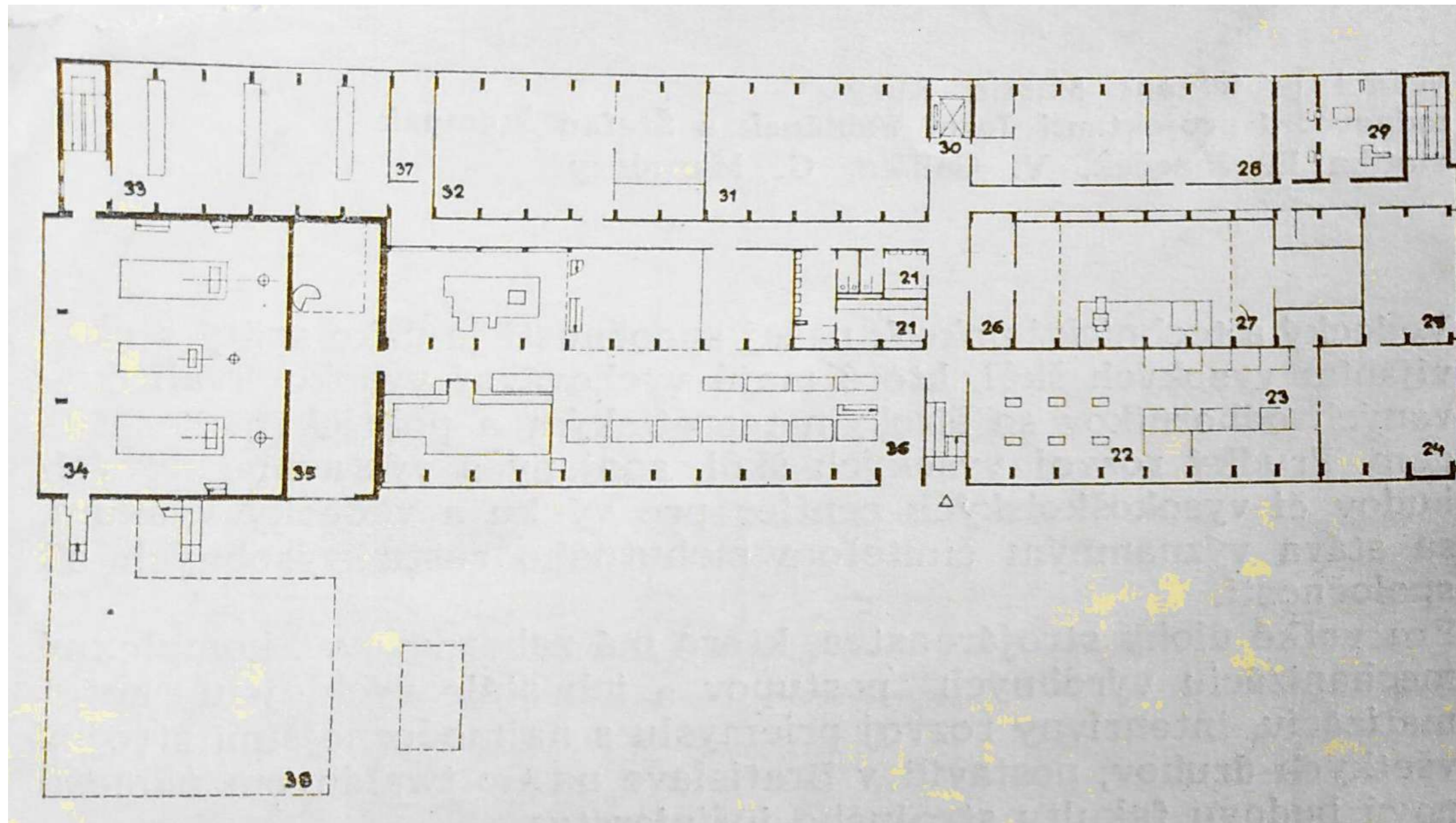


## LEGENDA

-  Courtyard
-  STU faculties
-  Parking on the surface
-  Entrance to the underground parking

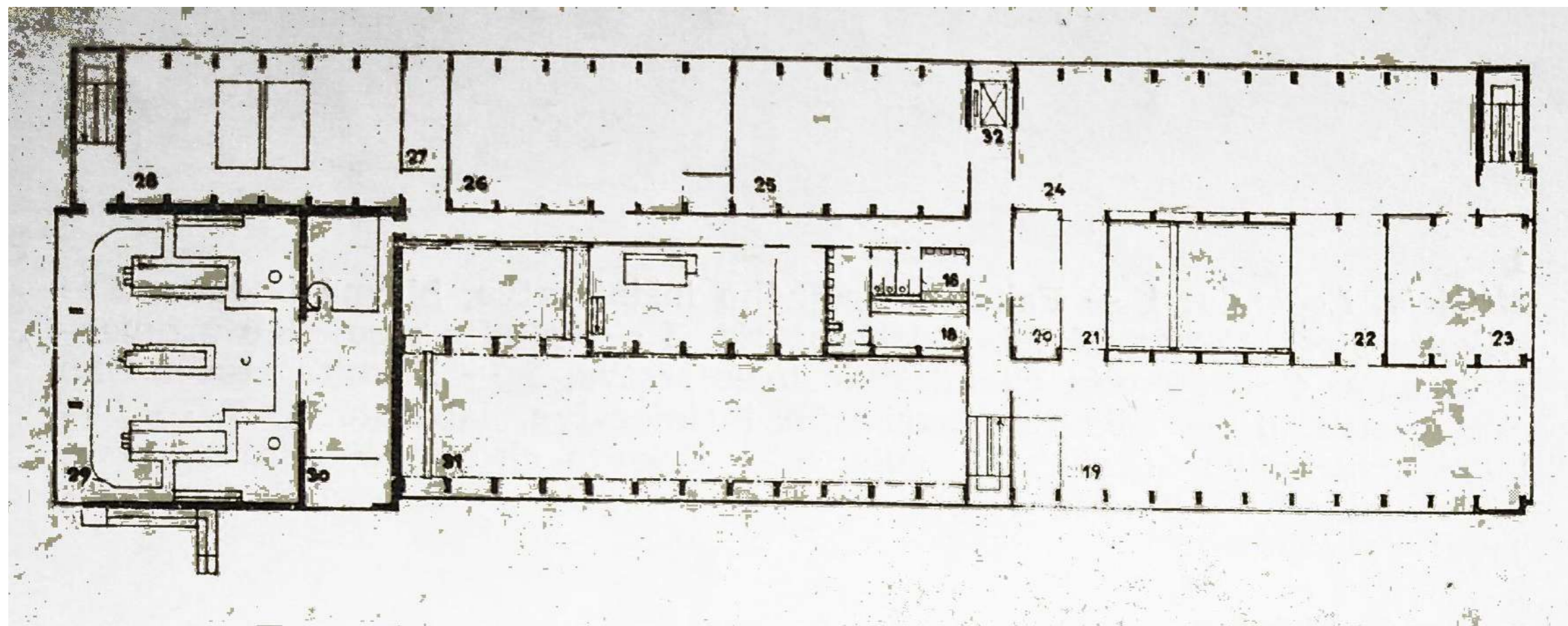


- Movement of people in the area
- Courtyard STU
- STU faculties



ROOM SCHEDULE

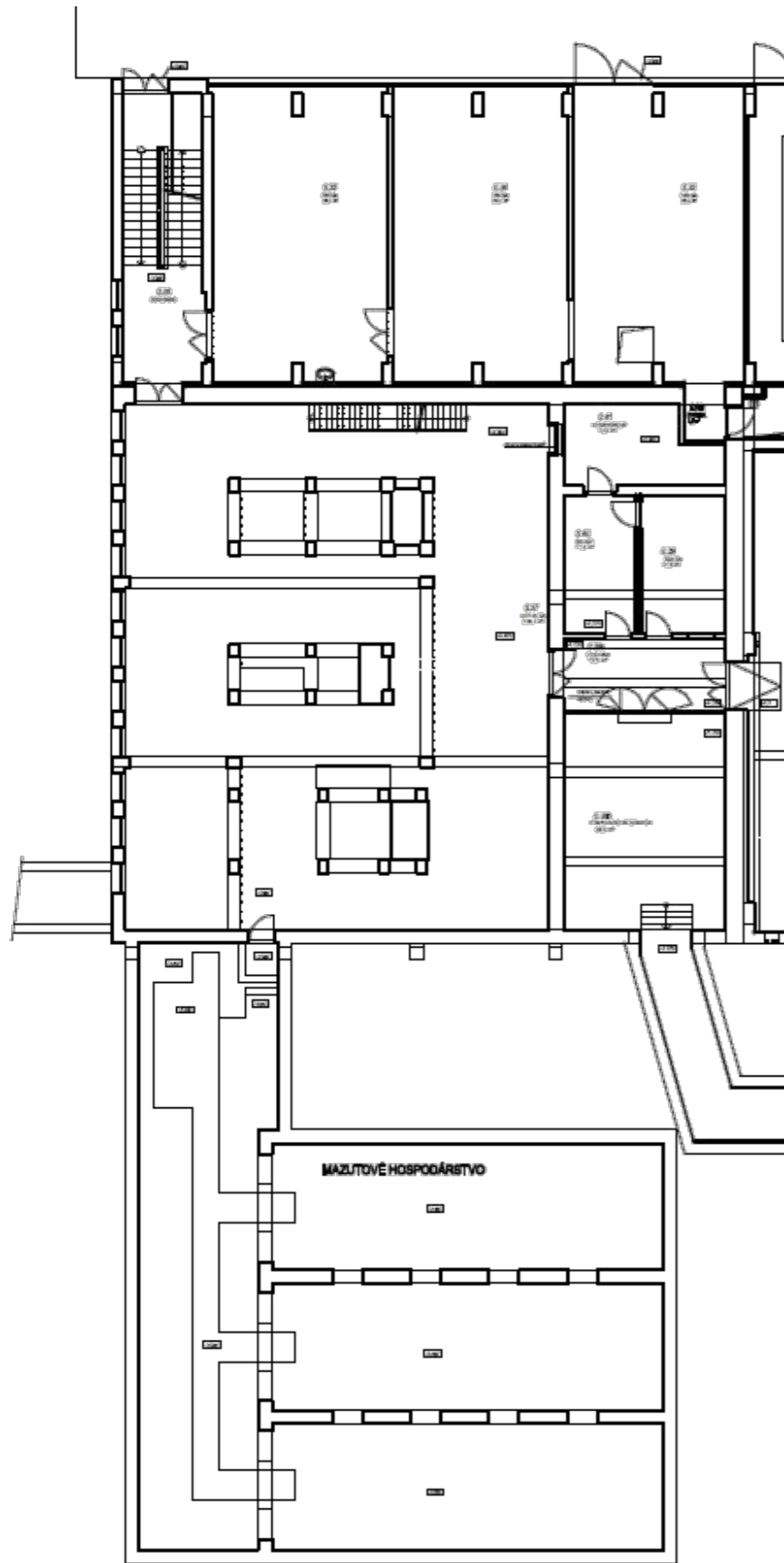
- 21 SOCIAL ACCESSORIES AND WARDROBES
- 22 FLAME WELDING
- 23 ARC WELDING
- 24 RESISTANCE WELDING
- 25 AUTOMATIC WELDING
- 26 SAND TREATMENT PLANT
- 27 FOUNDRY
- 28 KALIAREŇ
- 29 RÖNTGEN
- 30 CARGO LIFT
- 31 MACHINE TOOL TESTING ROOM
- 32 LABORATORY OF COMPRESSORS
- 33 LABORATORY OF THE DEPARTMENT OF CHEMICAL MACHINES
- 34 BOILER ROOM
- 35 ENGINE ROOM
- 36 STEAM AND GAS TURBINE (AERODYN.TUNEL)
- 37 ELECTRICAL DISTRIBUTOR
- 38 MAZUTE ECONOMY



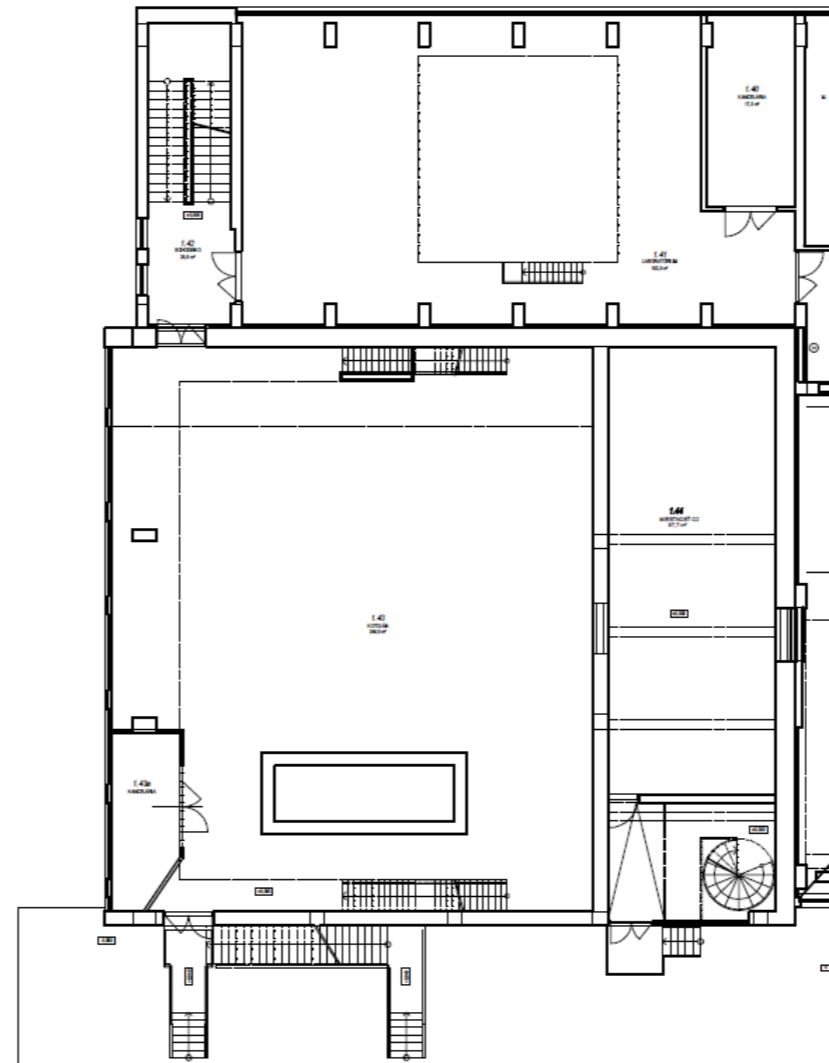
ROOM SCHEDULE

- 16 ČSM
- 17 KSC
- 18 SOCIAL ACCESSORIES AND WARDROBES
- 19 MECHANICAL WORKSHOP I.YEAR
- 20 WAREHOUSE
- 21 DISPENSING
- 22 GRINDING MACHINE
- 23 LOCKSMITH WORKSHOP
- 24 MECHANICAL WORKSHOPS III.-V. YEAR
- 25 JOINERY
- 26 LABORATORY OF AIR CONDITIONING
- 27 ELECTRICAL SWITCHBOARD
- 28 LABORATORY CAT. CHEMICAL MACHINES
- 29 BOILER - OVERCASE
- 30 ENGINE ROOM
- 31 STEAM AND GAS TURBINE AREA (CRANES)
- 32 CARGO LIFT

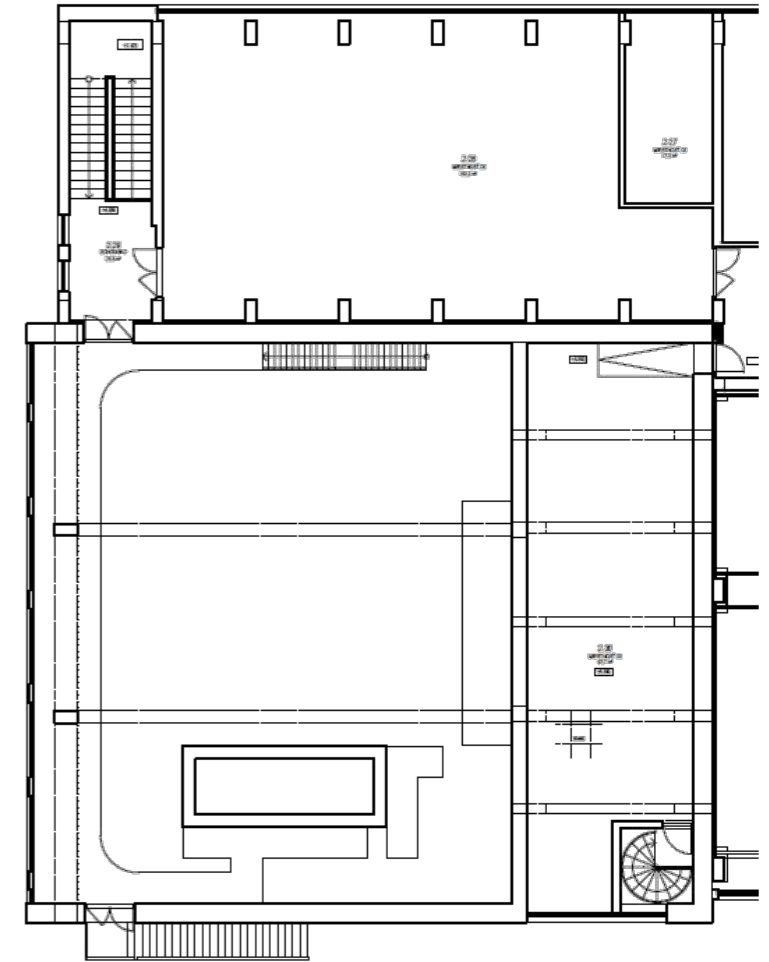
1<sup>ST</sup> SUBLEVEL

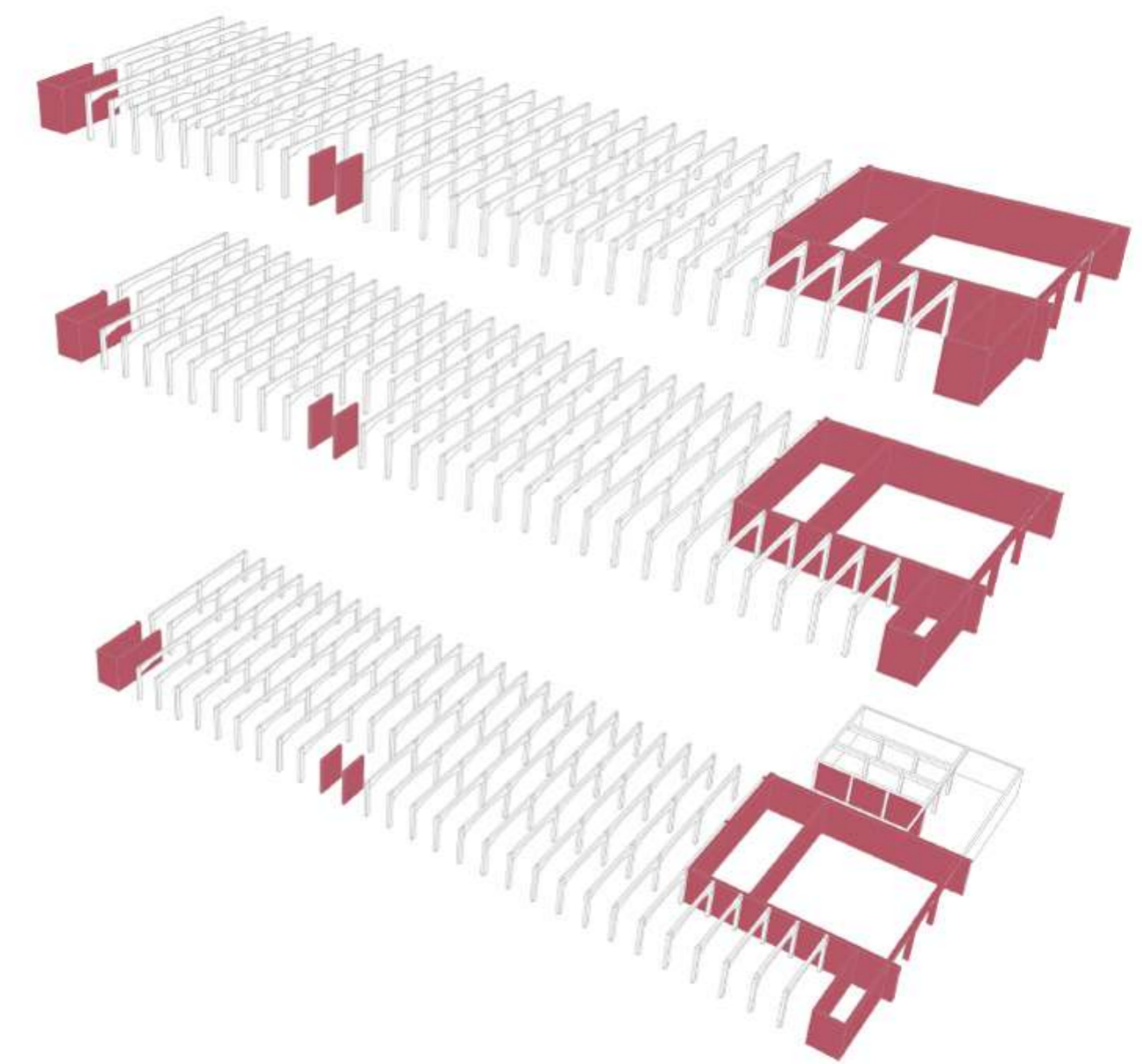
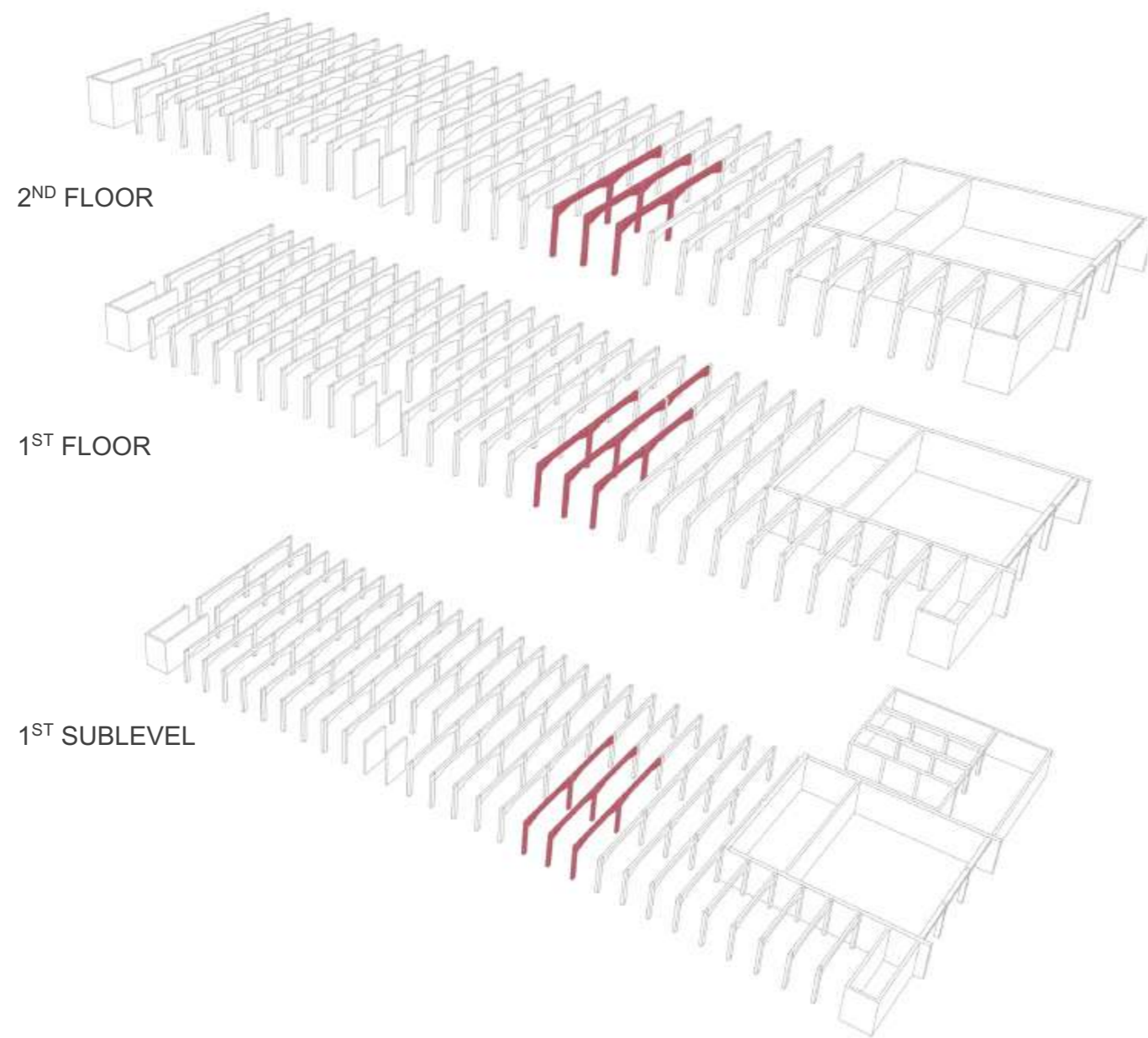


1<sup>ST</sup> FLOOR

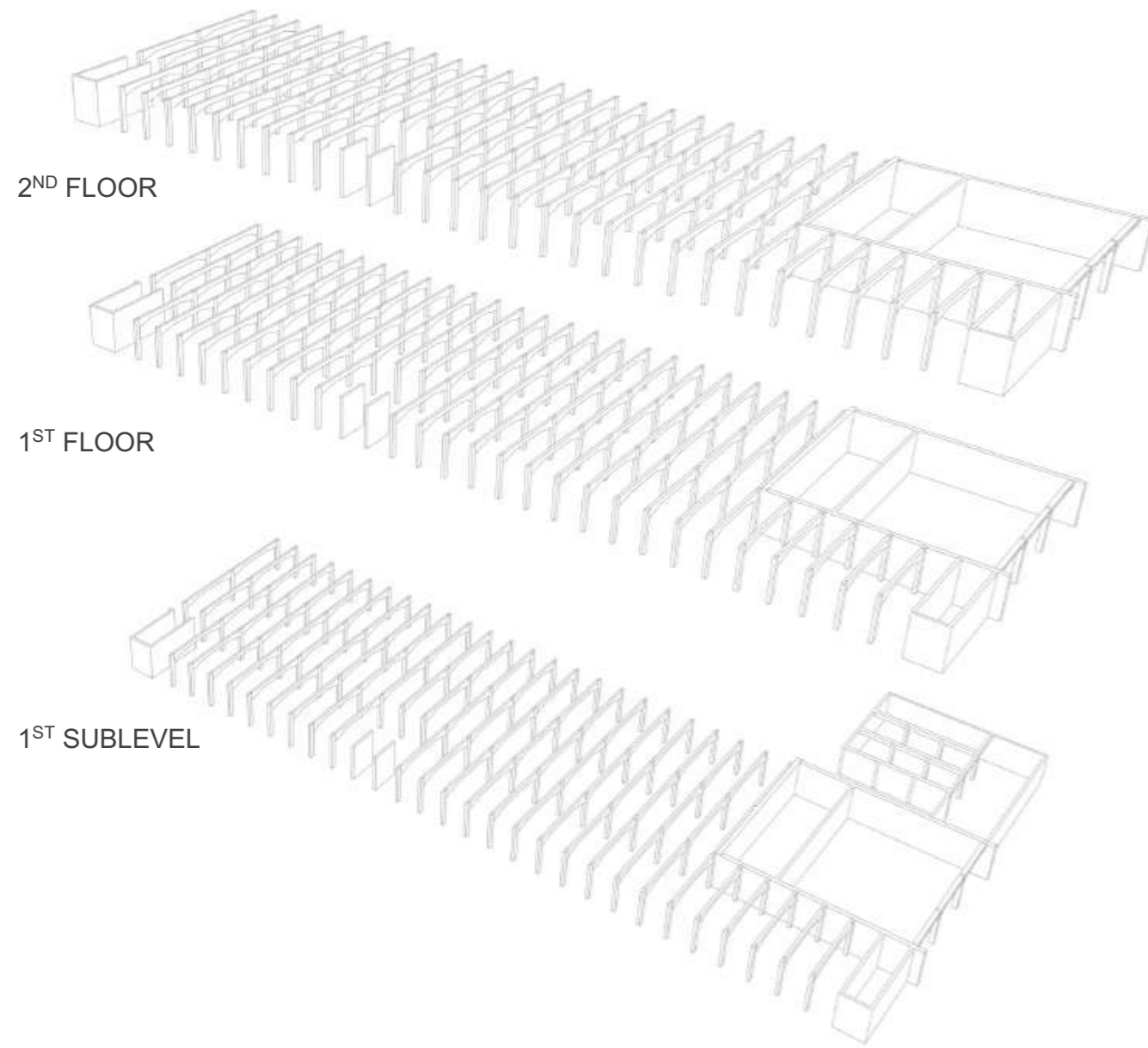


1<sup>ST</sup> FLOOR

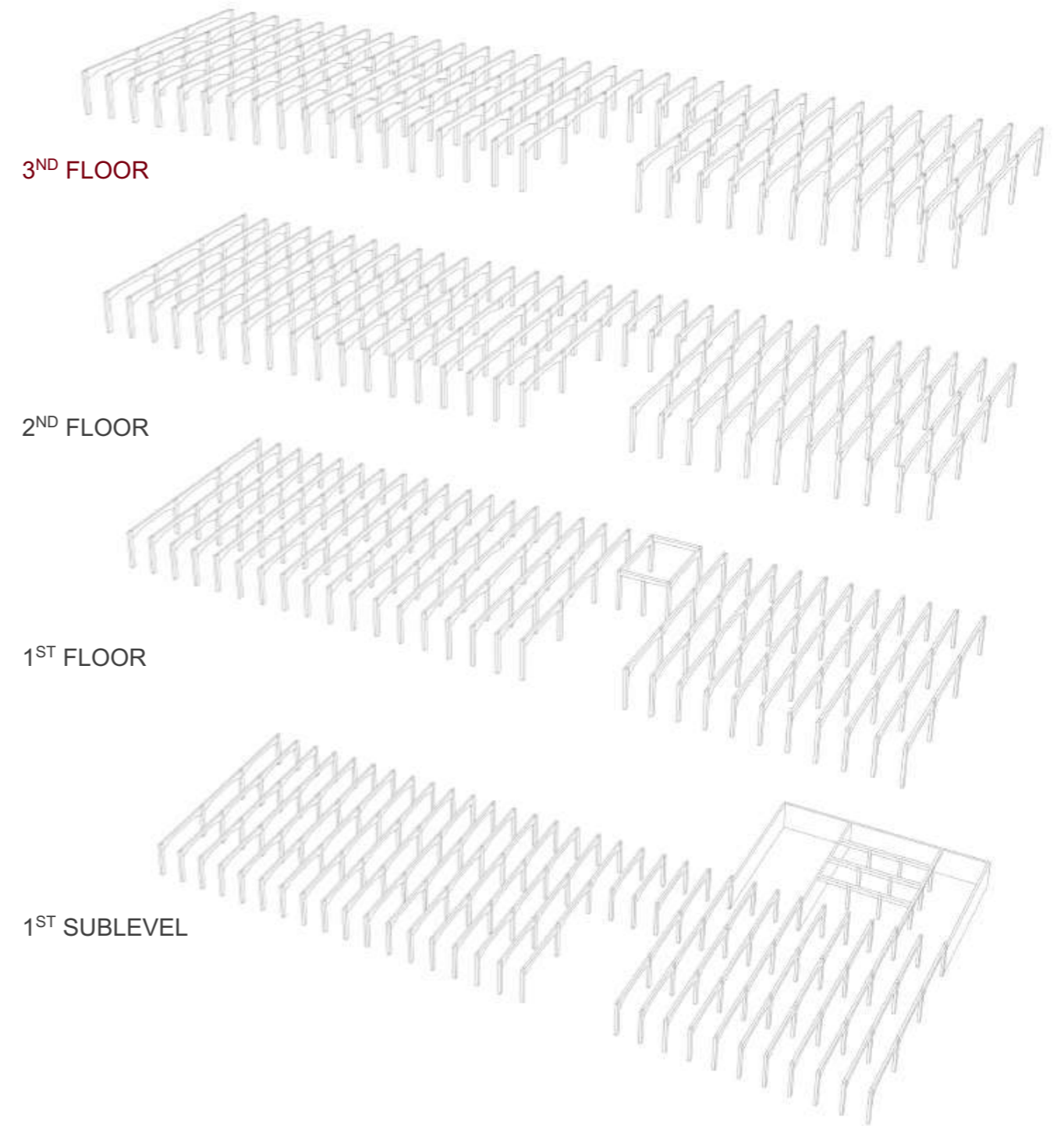


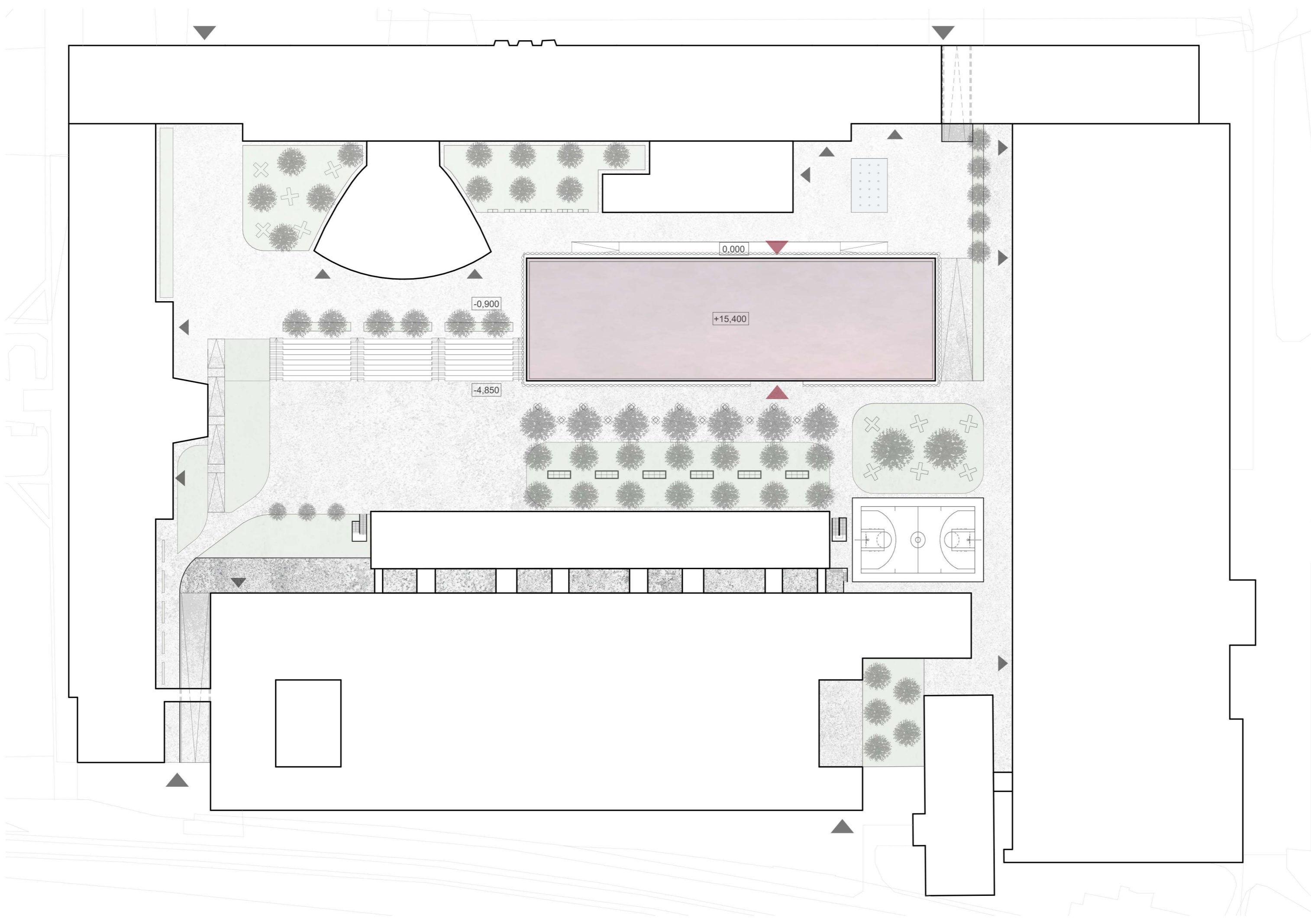


## ORIGINAL CONDITION

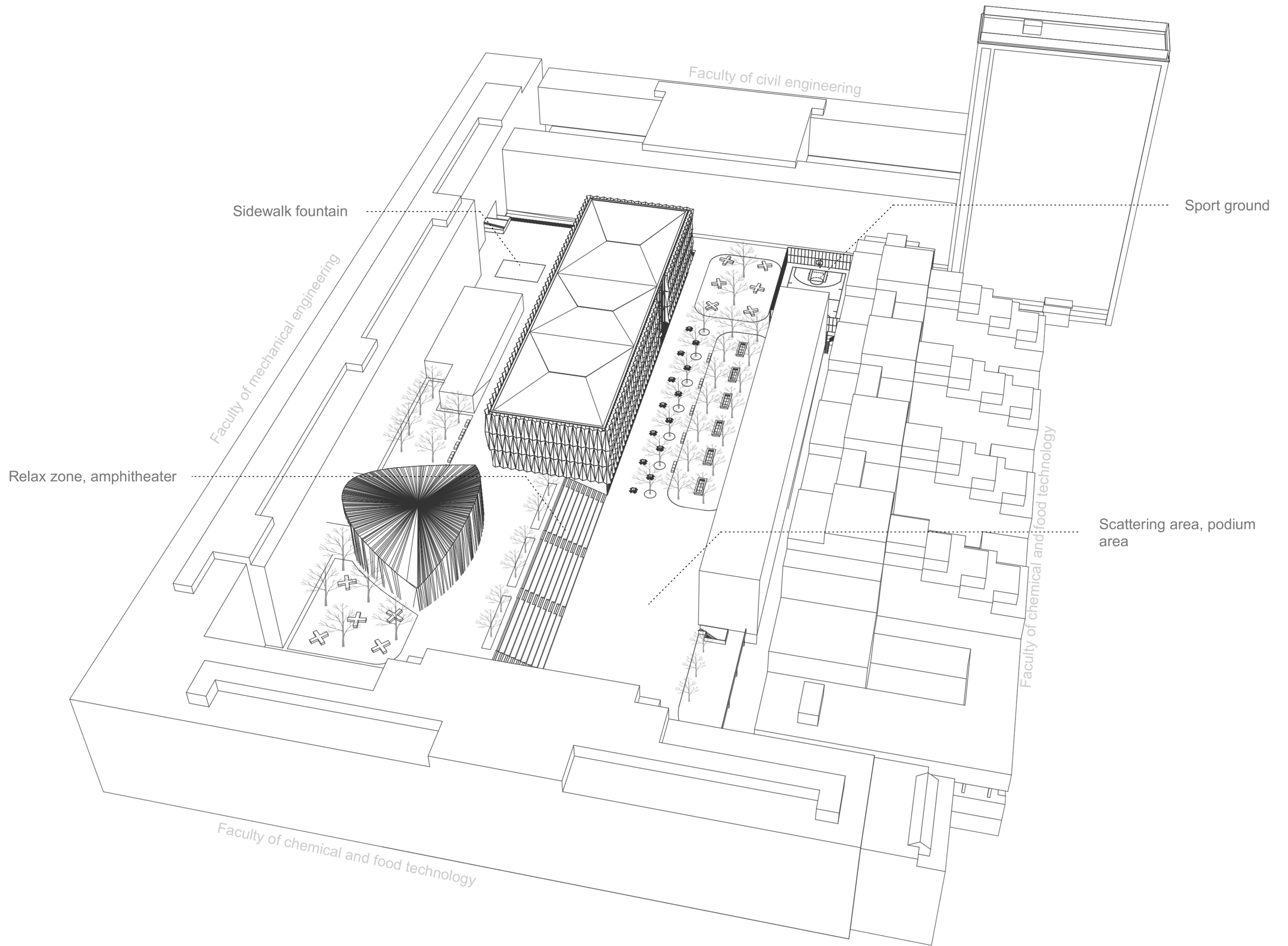


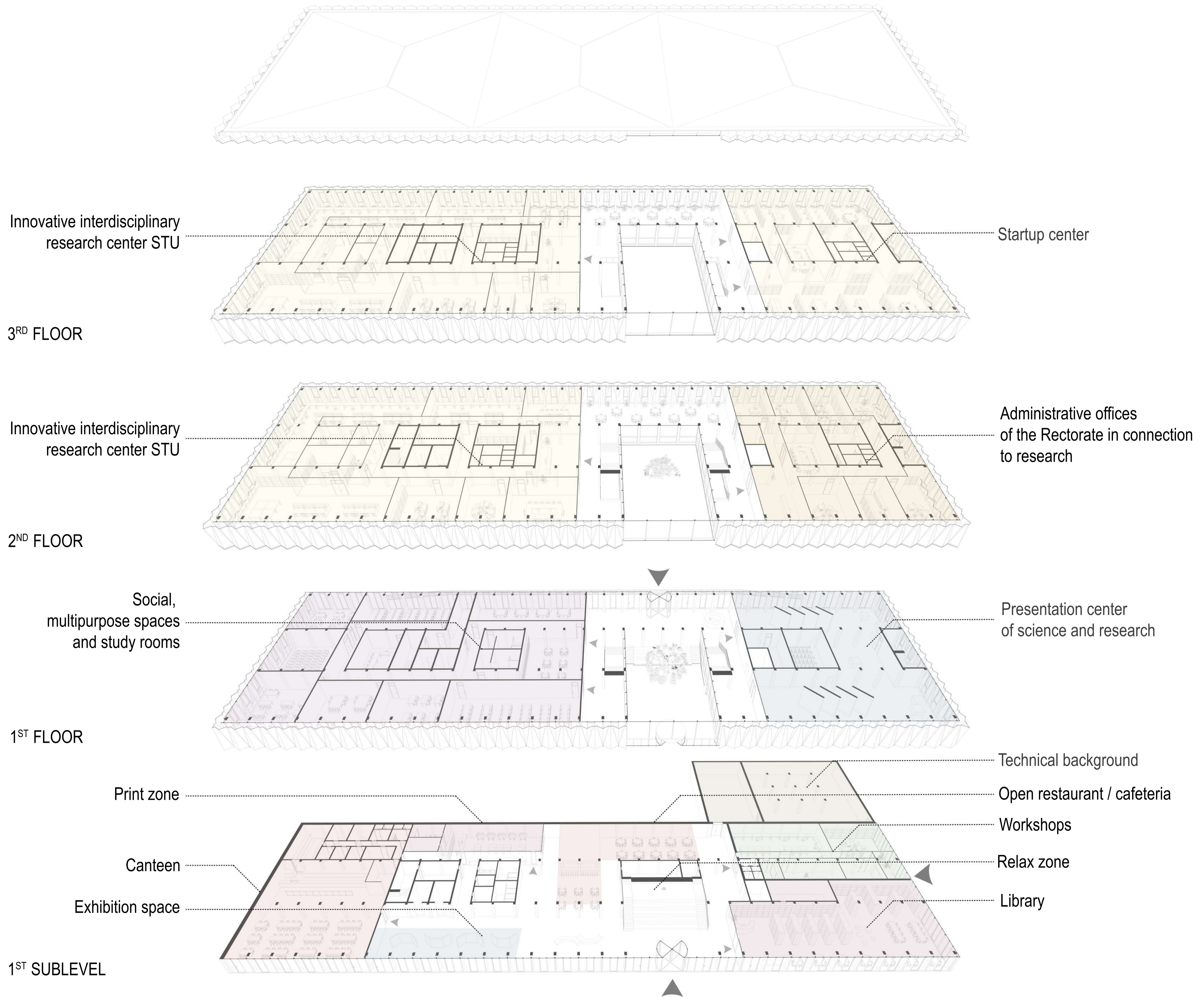
## NEW CONDITION



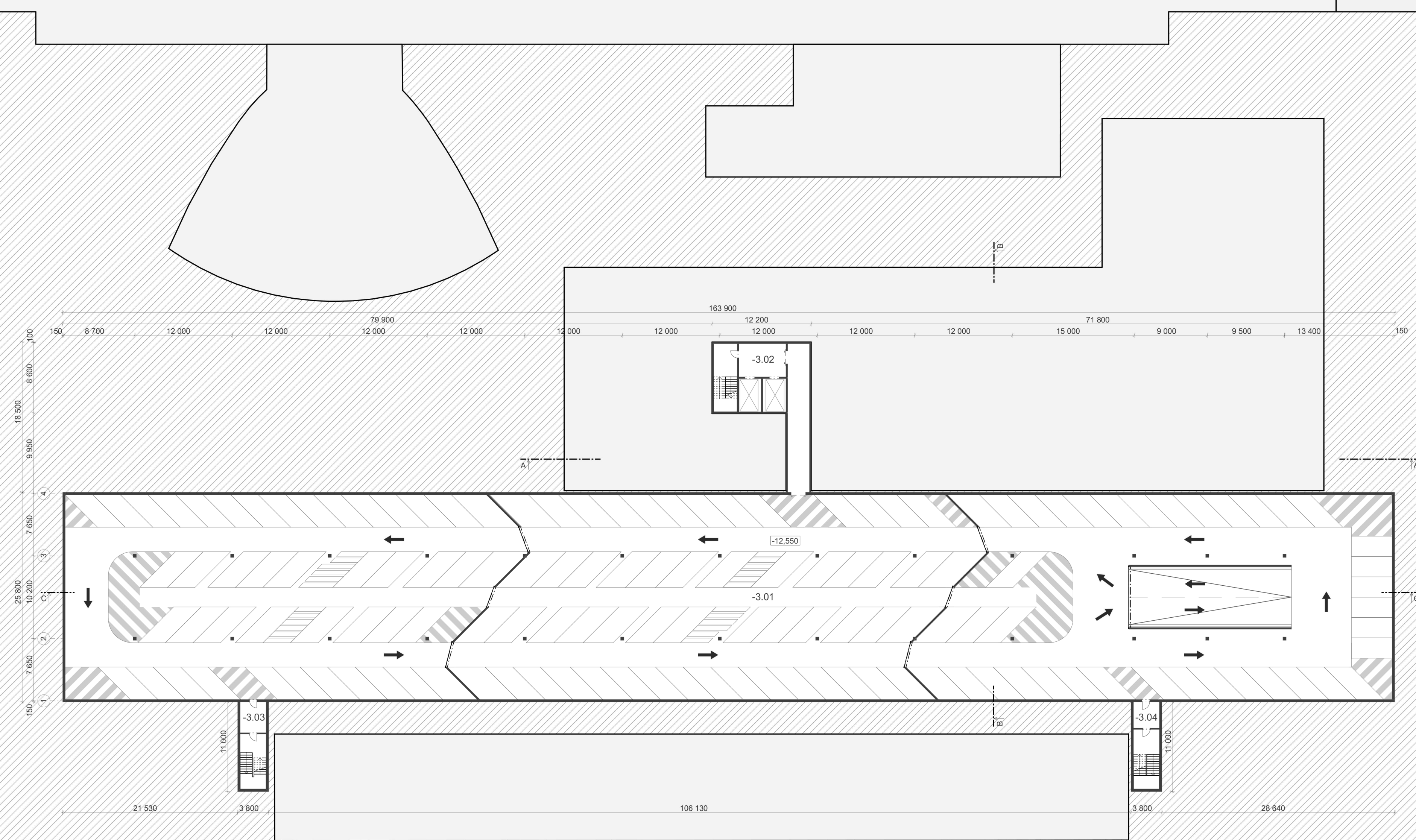


- CAMPUS STU
- STU FACULTIES
- PAVED AREA
- VEGETATION
- SIDEWALK FONTAIN
- MAIN CAMPUS ENTRIES
- ENTRIES TO THE COURTYARD
- ENTRIES TO THE SURROUNDING FACULTIES

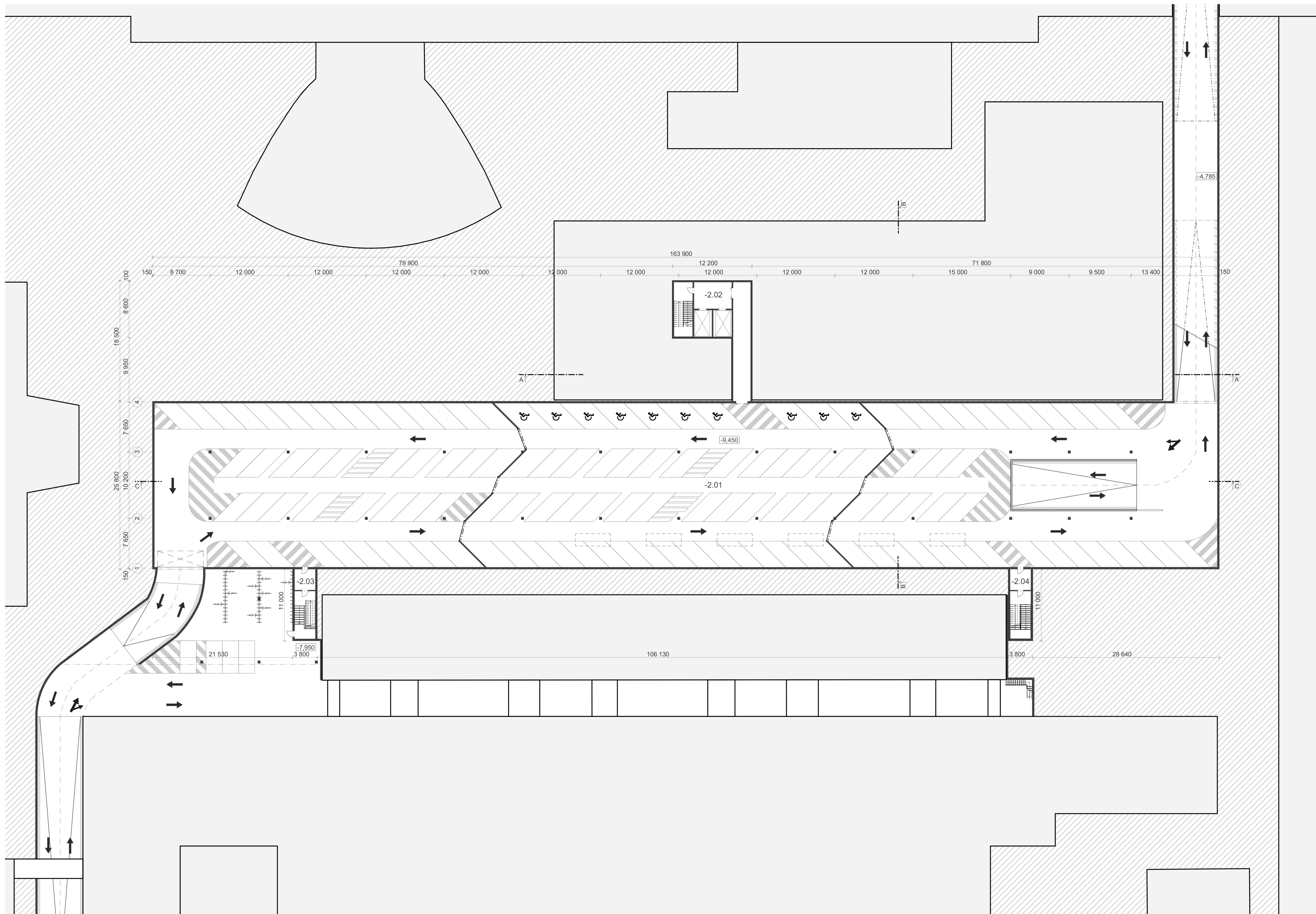




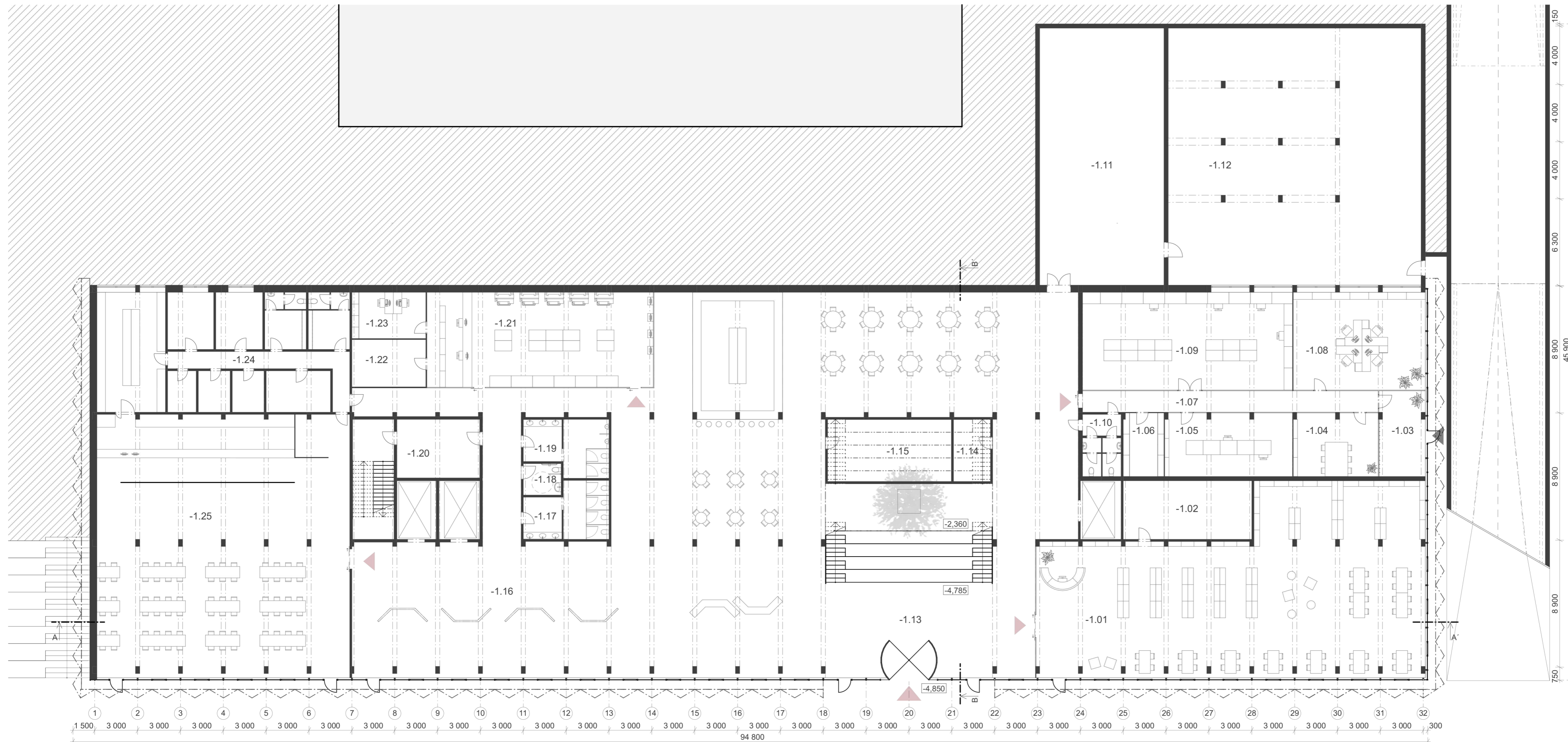
AXONOMETRY - ARCHITECTURAL LAYOUT



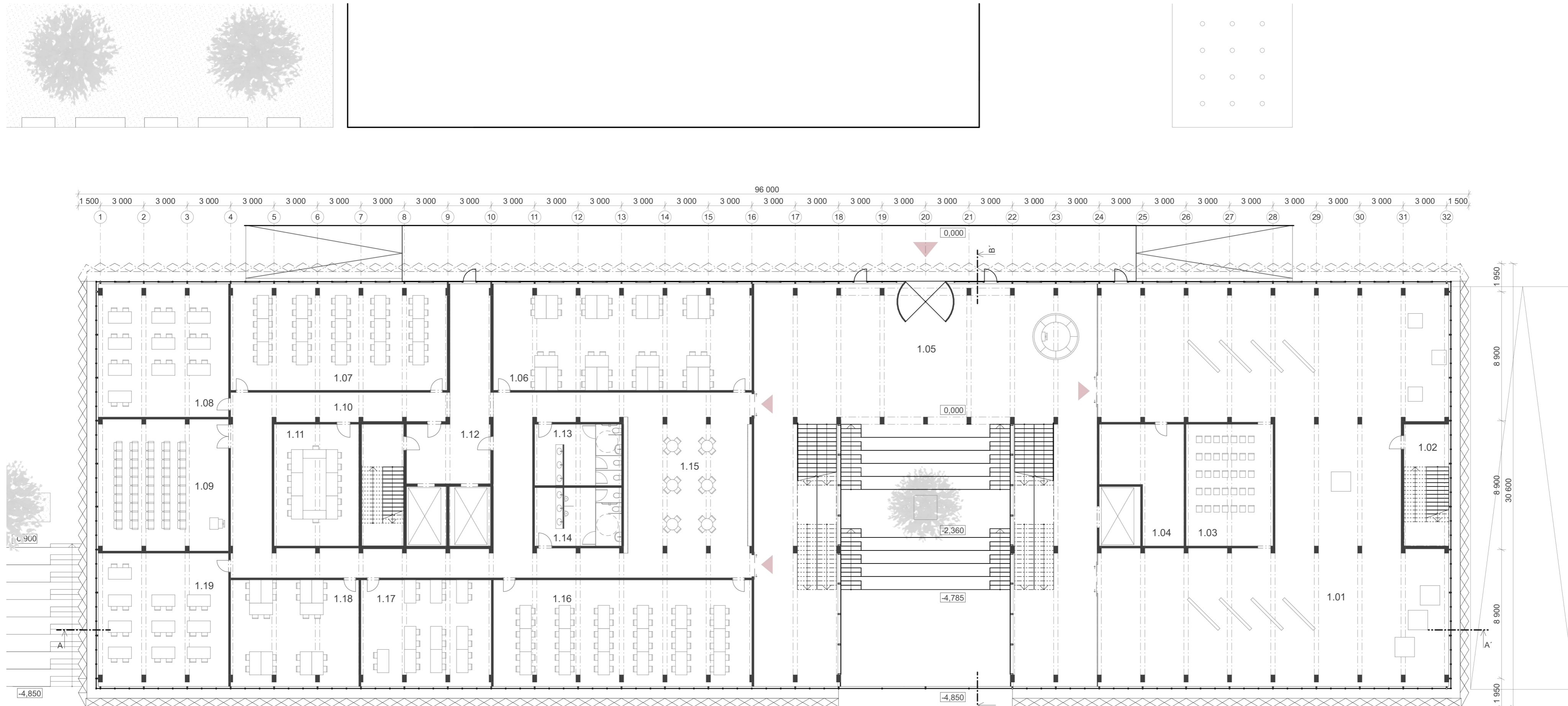
ROOM SCHEDULE		m <sup>2</sup>
<b>UNDEGROUND GARAGE</b>		
-3.01	GARAGE (137 PARKING SPACES)	4 139,8
-3.02	STAIRCASE WITH HALL	100,5
-3.03	STAIRCASE WITH HALL	34,3
-3.04	STAIRCASE WITH HALL	34,3
<b>FLOOR AREA</b>		<b>4 308,9</b>



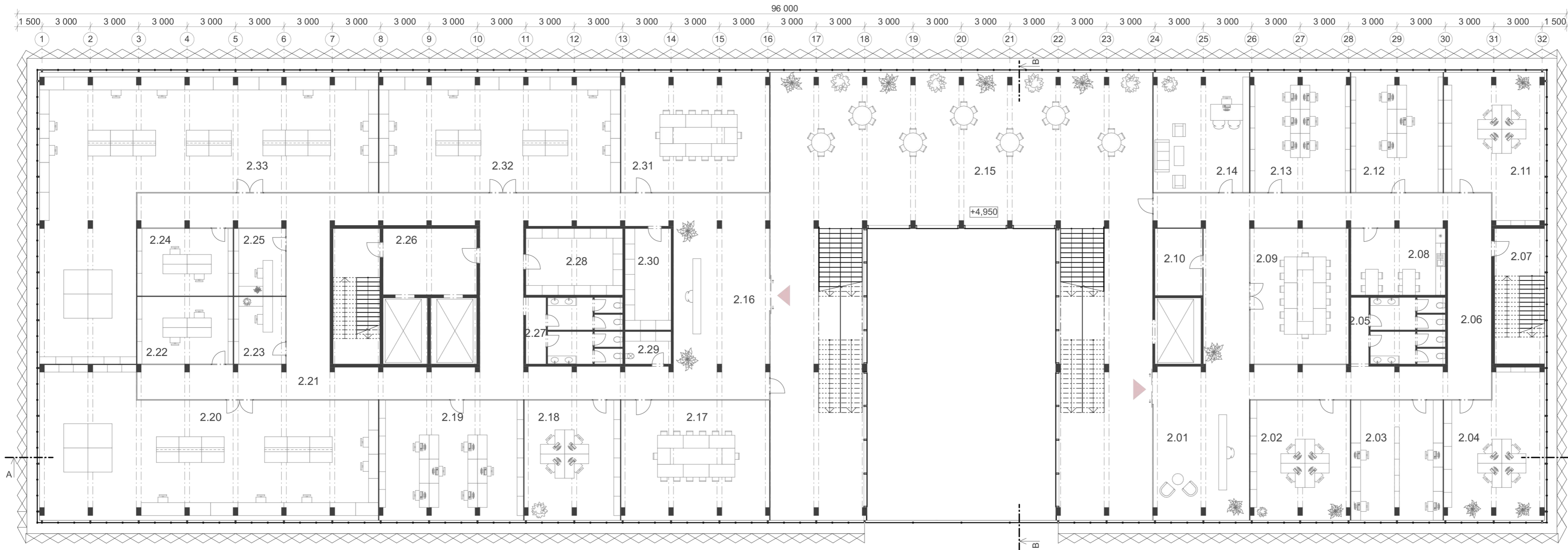
ROOM SCHEDULE		m <sup>2</sup>
<b>UNDEGROUND GARAGE</b>		
-2.01	GARAGE (128 PARKING SPACES)	4 139,8
-2.02	STAIRCASE WITH HALL	100,5
-2.03	STAIRCASE WITH HALL	34,3
-2.04	STAIRCASE WITH HALL	34,3
<b>FLOOR AREA</b>		<b>4 308,9</b>



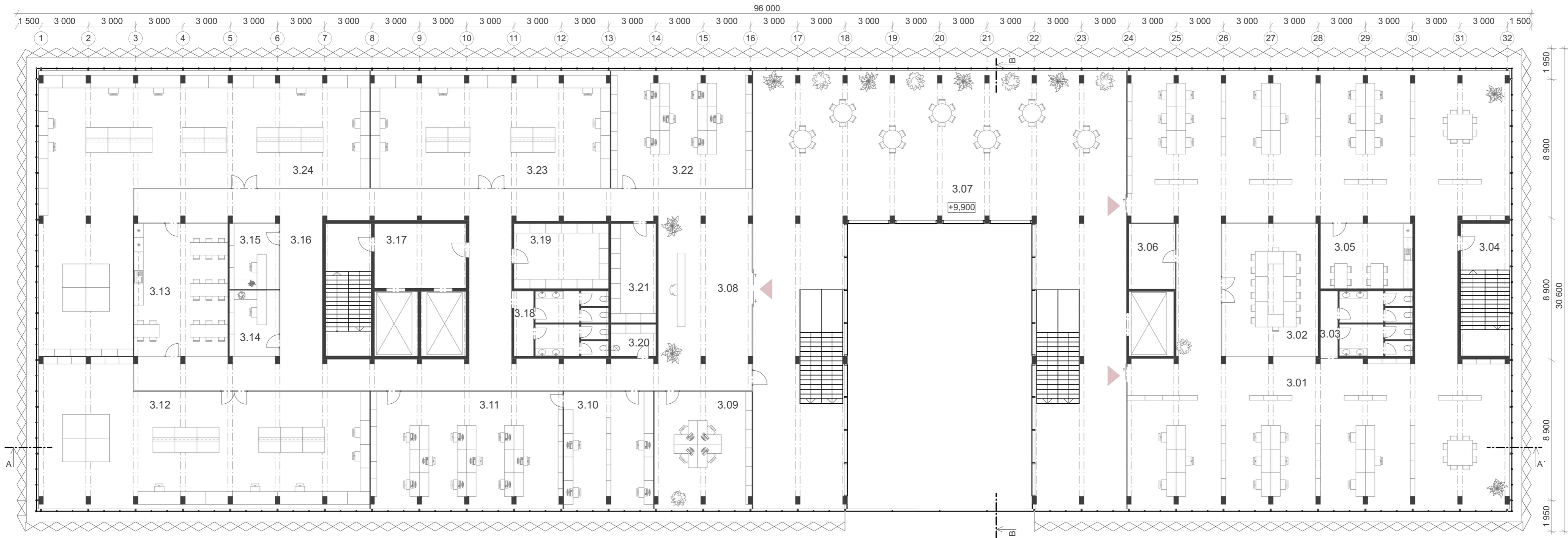
ROOM SCHEDULE		m <sup>2</sup>
<b>LIBRARY</b>		
-1.01	LIBRARY / STUDY ROOM	311,3
-1.02	STORAGE	36,9
FLOOR AREA		348,2
<b>WORKSHOPS</b>		
-1.03	ENTRANCE	19,5
-1.04	WORKSHOP	26,6
-1.05	WORKSHOP	39,9
-1.06	STORAGE	12,7
-1.07	CORRIDOR	31,1
-1.08	OFFICE	63,9
-1.09	3D PRINT	101,1
-1.10	TOILETS	11,7
FLOOR AREA		306,5
<b>TECHNICAL BACKGROUND</b>		
-1.11	TECHNICAL BACKGROUND	156,6
-1.12	TECHNICAL BACKGROUND	318,6
FLOOR AREA		475,2
<b>ENTRANCE HALL, RELAX ZONE, PRINT, CAFETERIA</b>		
-1.13	FOYER	698,8
-1.14	CLEANING ROOM	11,3
-1.15	STORAGE	37,7
-1.16	EXHIBITION SPACE	171,0
-1.17	WOMEN'S TOILET	21,6
-1.18	IMOBILE TOILET	5,8
-1.19	MEN'S TOILET	21,5
-1.20	STAIRCASE WITH HALL	49,1
-1.21	PRINT	106,0
-1.22	STORAGE	17,8
-1.23	OFFICE	16,9
-1.24	KITCHEN - BACKGROUND	148,7
-1.25	CANTEEN	327,9
FLOOR AREA		1634,1
TOTAL FLOOR AREA		2 764,0



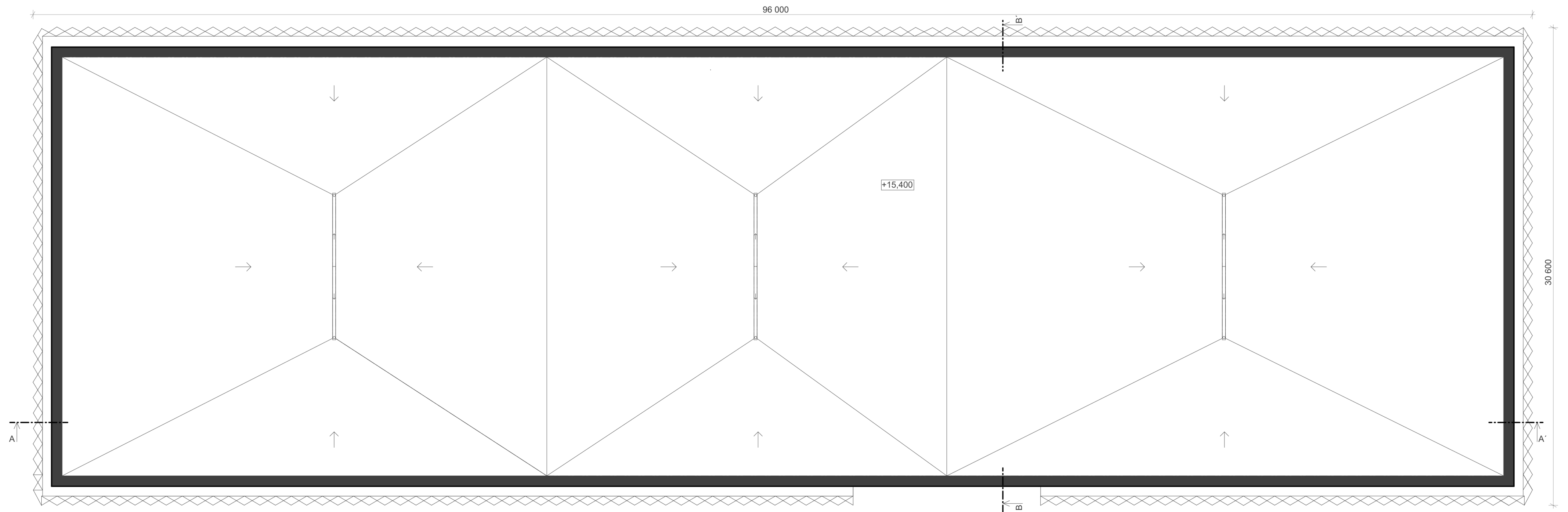
ROOM SCHEDULE		m <sup>2</sup>
<b>PRESENTATION CENTER OF SCIENCE AND RESEARCH</b>		
1.01	EXHIBITION ROOM	533,1
1.02	STAIRCASE	25,8
1.03	SCREENING ROOM	51,0
1.04	STORAGE	36,7
FLOOR AREA		651,9
<b>FOYER</b>		
1.05	FOYER	447,9
<b>SOCIAL, MULTIPURPOSE SPACES AND STUDY ROOMS</b>		
1.06	STUDY ROOM	132,7
1.07	MULTIPURPOSE ROOM	110,4
1.08	CLASSROOM	82,8
1.09	LECTURE HALL	81,5
1.10	CORRIDOR	151,8
1.11	MULTIPURPOSE ROOM	49,1
1.12	STAIRCASE WITH HALL AND ELEVATORS	76,5
1.13	WOMEN'S TOILET	25,3
1.14	MEN'S TOILET	24,2
1.15	SOCIAL SPACE	113,9
1.16	STUDY ROOM	131,2
1.17	CLASSROOM	66,2
1.18	CLASSROOM	65,7
1.19	CLASSROOM	82,8
FLOOR AREA		1 194,1
TOTAL FLOOR AREA		2 293,9



ROOM SCHEDULE		m <sup>2</sup>
<b>ADMINISTRATIVE OFFICES OF THE RECTORATE</b>		
2.01	RECEPTION	56,9
2.02	OFFICE	46,4
2.03	OFFICE	42,8
2.04	OFFICE	53,3
2.05	TOILETS	24,1
2.06	CORRIDOR	125,4
2.07	STAIRCASE	26,0
2.08	KITCHEN	24,1
2.09	MEETING ROOM	51,7
2.10	STORAGE	12,1
2.11	OFFICE	53,3
2.12	OFFICE	42,7
2.13	OFFICE	46,4
2.14	OFFICE	44,6
FLOOR AREA		649,8
2.15	SOCIAL SPACE	377,3
<b>INNOVATIVE INTERDISCIPLINARY RESEARCH CENTER</b>		
2.16	RECEPTION	76,2
2.17	MEETING ROOM	69,3
2.18	OFFICE	44,9
2.19	OFFICE	67,1
2.20	LABORATORY	169,2
2.21	CORRIDOR	183,2
2.22	OFFICE	24,9
2.23	OFFICE	13,8
2.24	OFFICE	24,9
2.25	OFFICE	13,8
2.26	STAIRCASE WITH HALL AND ELEVATORS	49,8
2.27	TOILETS	24,8
2.28	STORAGE	25,3
2.29	CLEANING ROOM	5,7
2.30	STORAGE	17,9
2.31	MEETING ROOM	69,3
2.32	LABORATORY	113,2
2.33	LABORATORY	220,4
FLOOR AREA		1 213,8
TOTAL FLOOR AREA		2 240,6



ROOM SCHEDULE		m <sup>2</sup>
<b>STARTUP CENTER</b>		
3.01	COWORK SPACE	512,1
3.02	MEETING ROOM	51,7
3.03	TOILETS	24,1
3.04	STAIRCASE	26,0
3.05	KITCHEN	24,1
3.06	STORAGE	12,1
FLOOR AREA		650,1
3.07	SOCIAL SPACE	389,6
<b>INNOVATIVE INTERDISCIPLINARY RESEARCH CENTER</b>		
3.08	RECEPTION	76,2
3.09	OFFICE	46,5
3.10	OFFICE	42,7
3.11	OFFICE	91,3
3.12	LABORATORY	169,2
3.13	KITCHEN	50,6
3.14	OFFICE	13,8
3.15	OFFICE	13,8
3.16	CORRIDOR	183,2
3.17	STAIRCASE WITH HALL AND ELEVATORS	49,8
3.18	TOILETS	24,8
3.19	STORAGE	25,3
3.20	CLEANING ROOM	5,7
3.21	STORAGE	17,9
3.22	OFFICE	69,3
3.23	LABORATORY	113,2
3.24	LABORATORY	220,4
FLOOR AREA		1 213,8
TOTAL FLOOR AREA		2 253,5



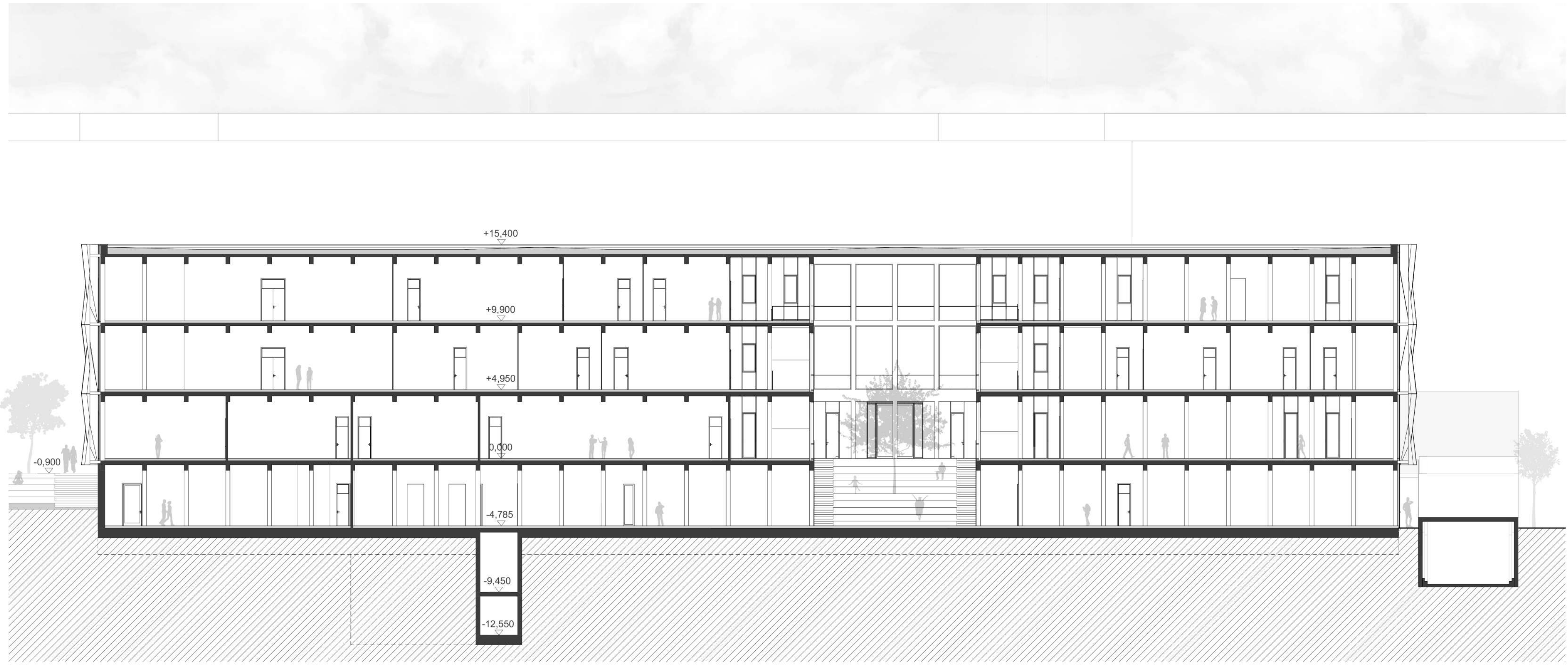
SCALE 1:200

ROOF FLOOR PLAN



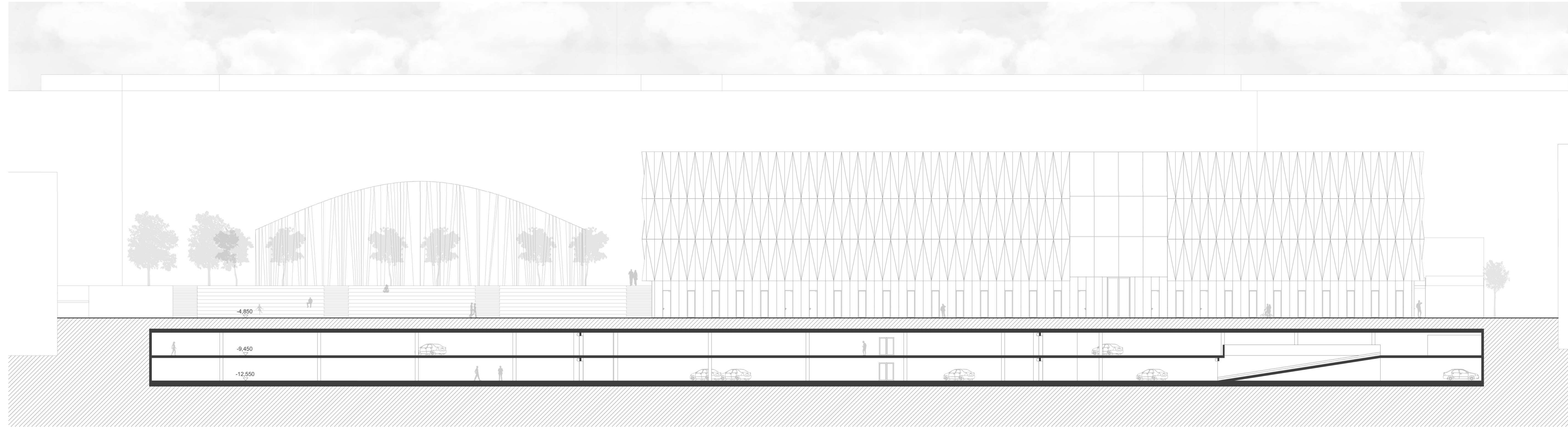
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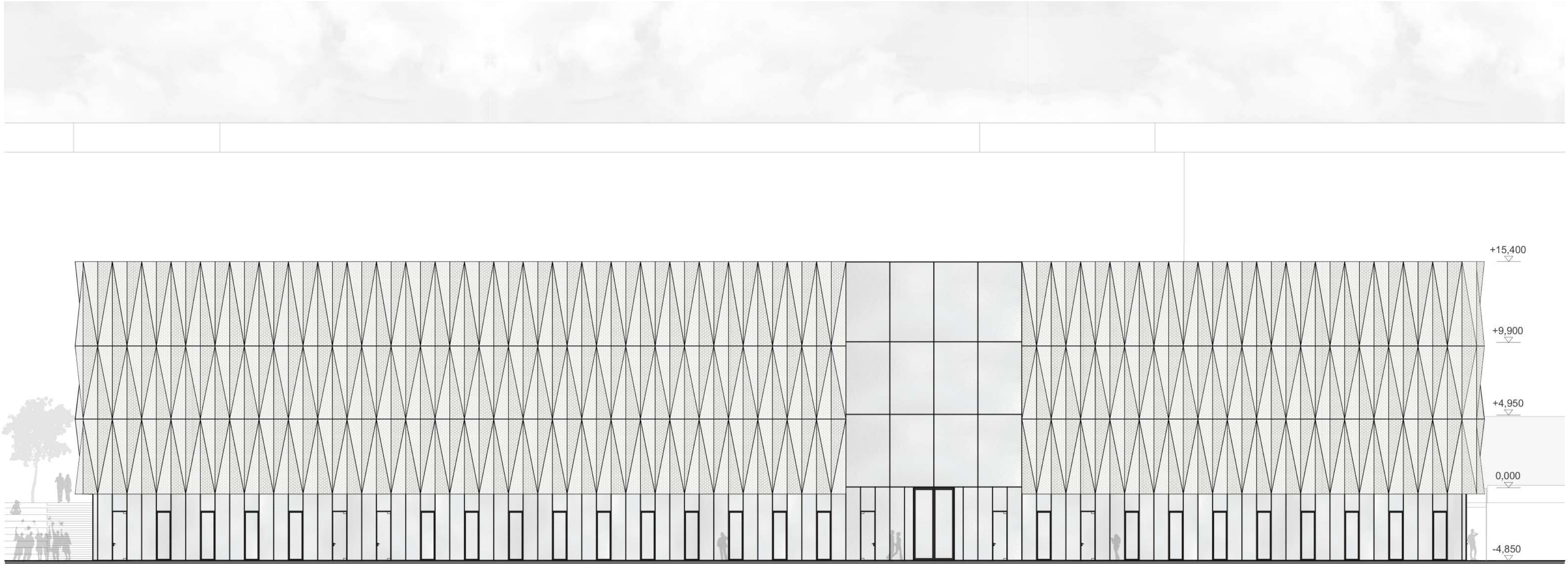
**CROSS SECTION B-B'**



SCALE 1:200

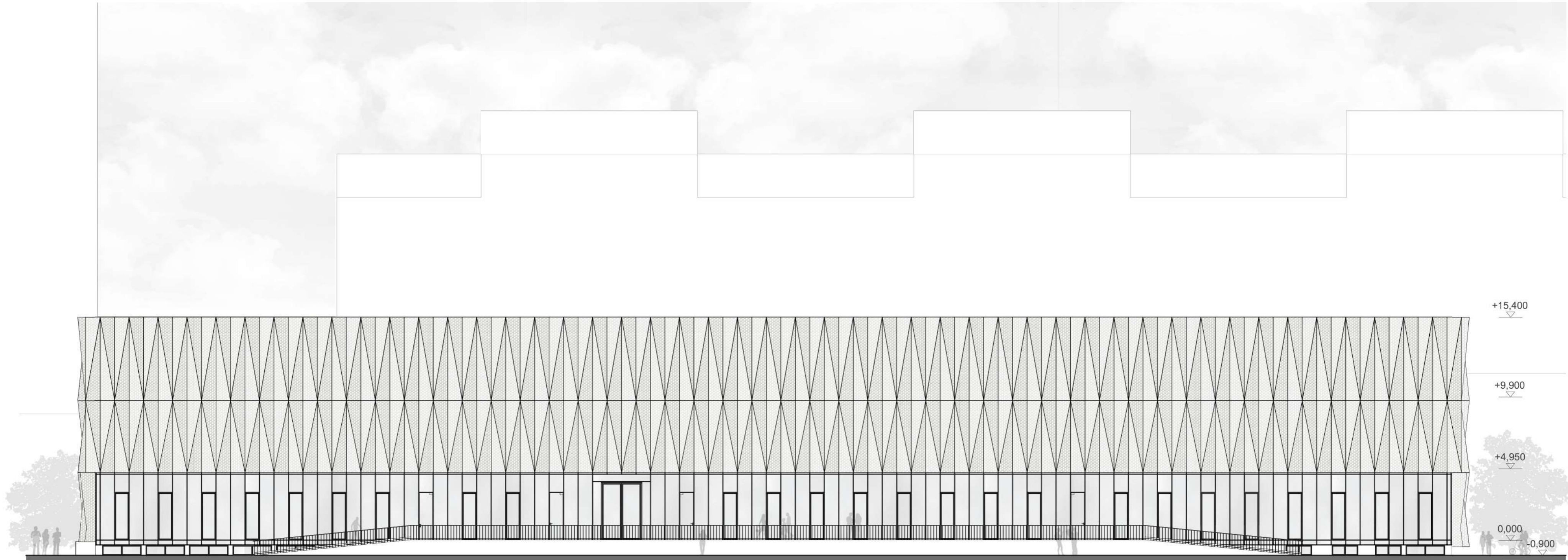
LONGITUDINAL SECTION A-A'





SCALE 1:200

SOUTHEAST ELEVATION



+15,400

+9,900

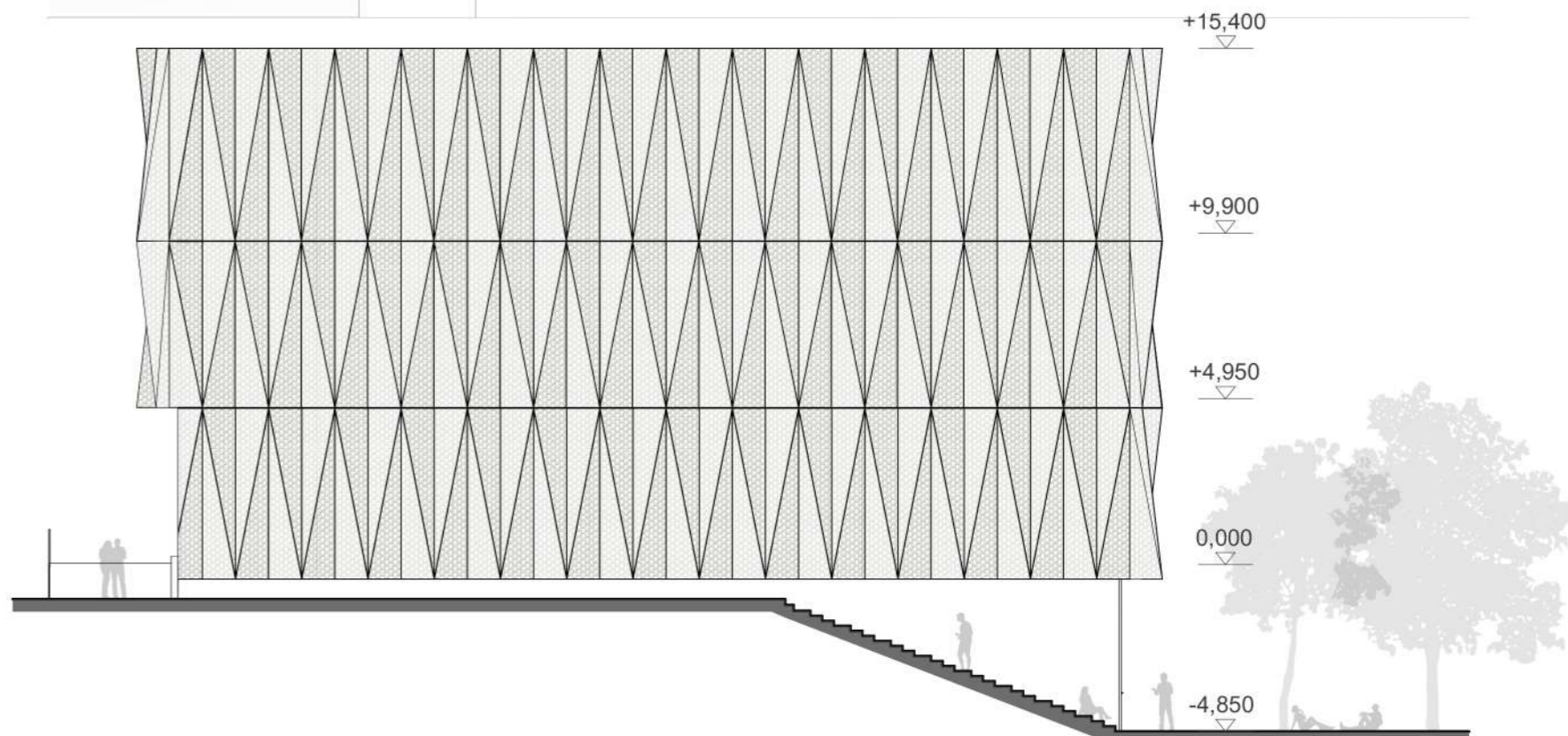
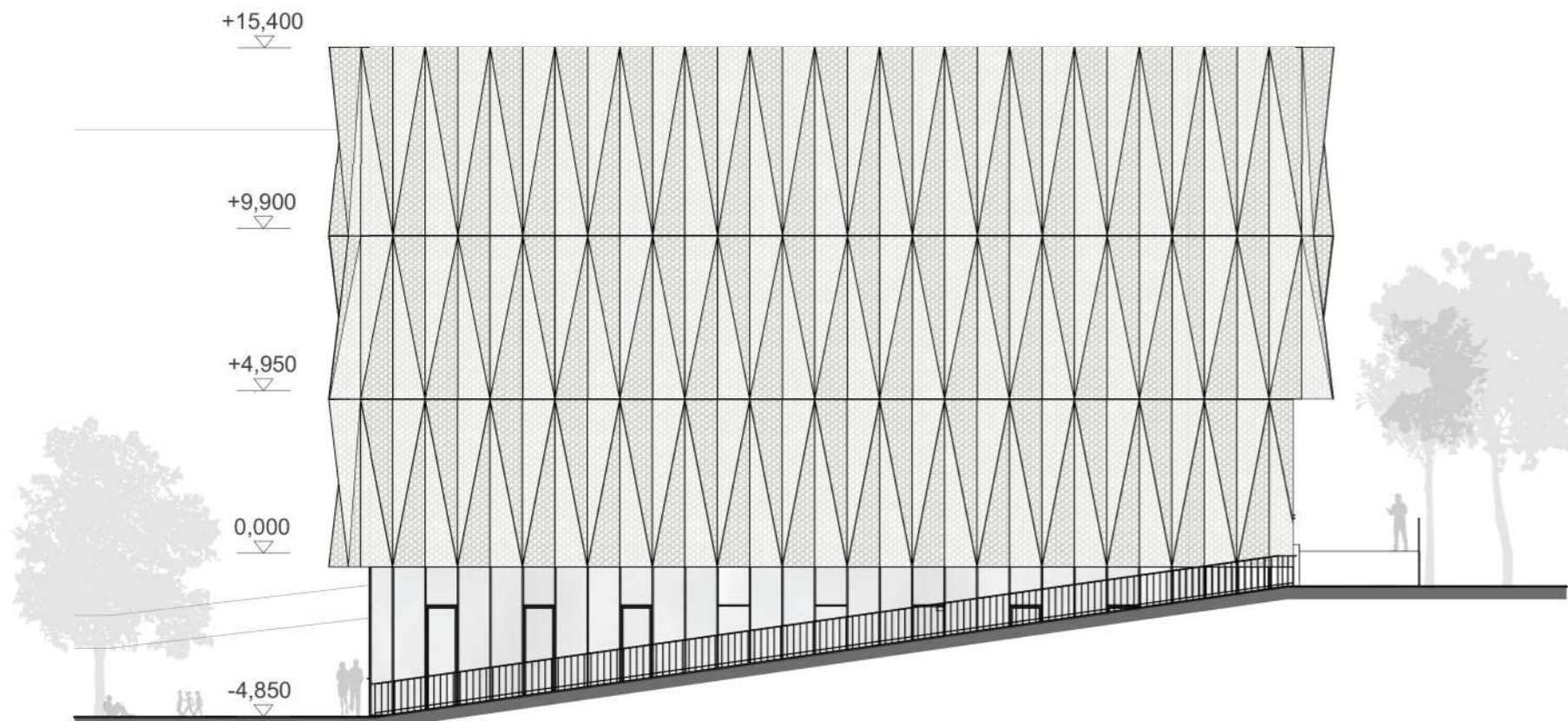
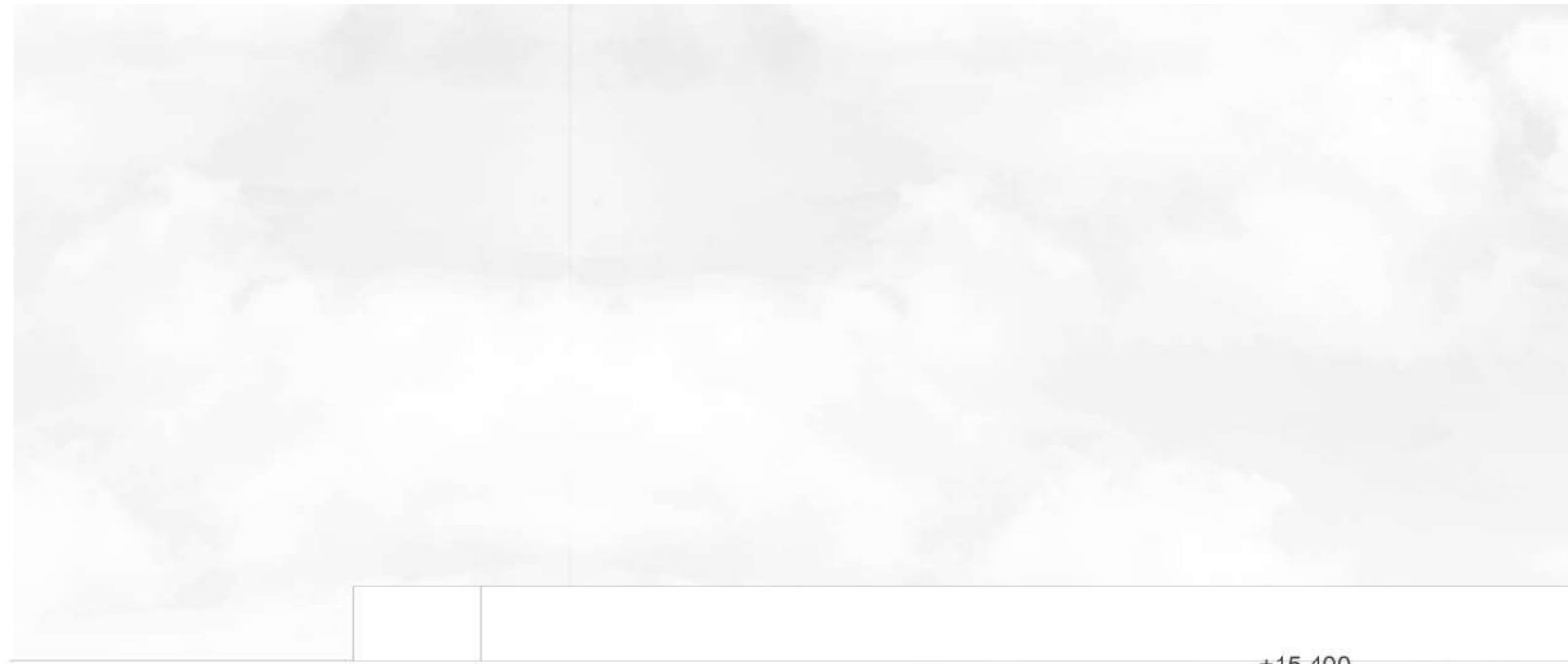
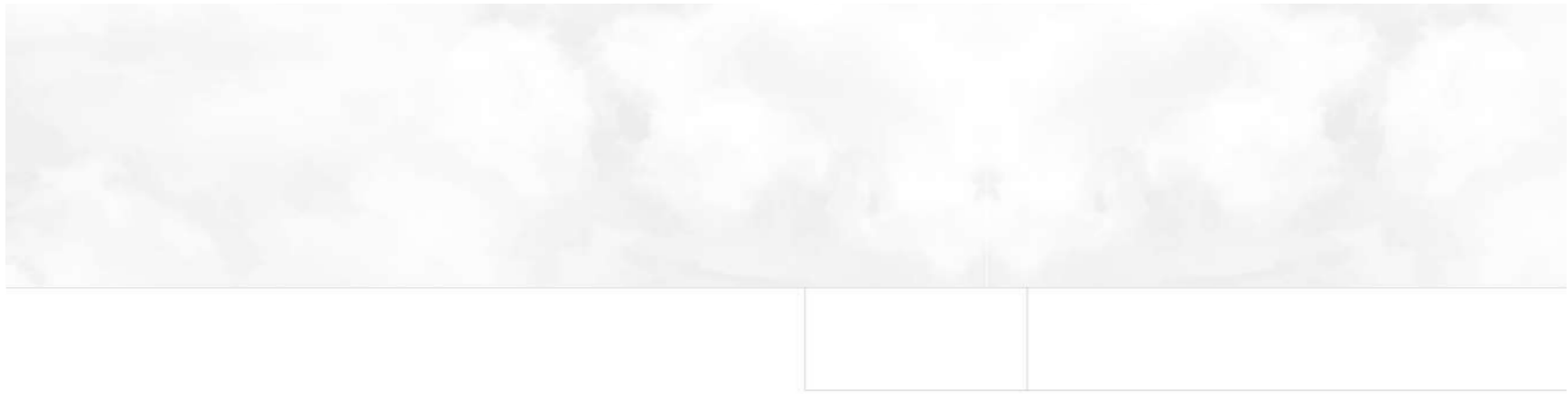
+4,950

0,000

-0,900

SCALE 1:200

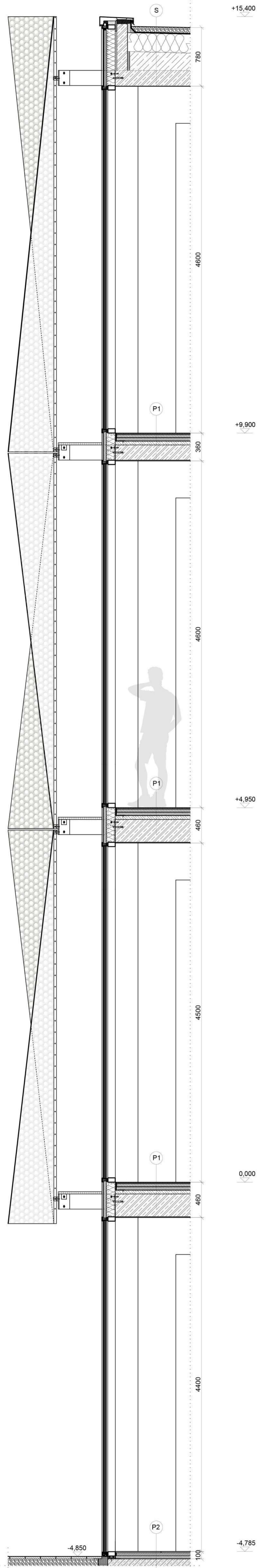
**NORTHWEST ELEVATION**



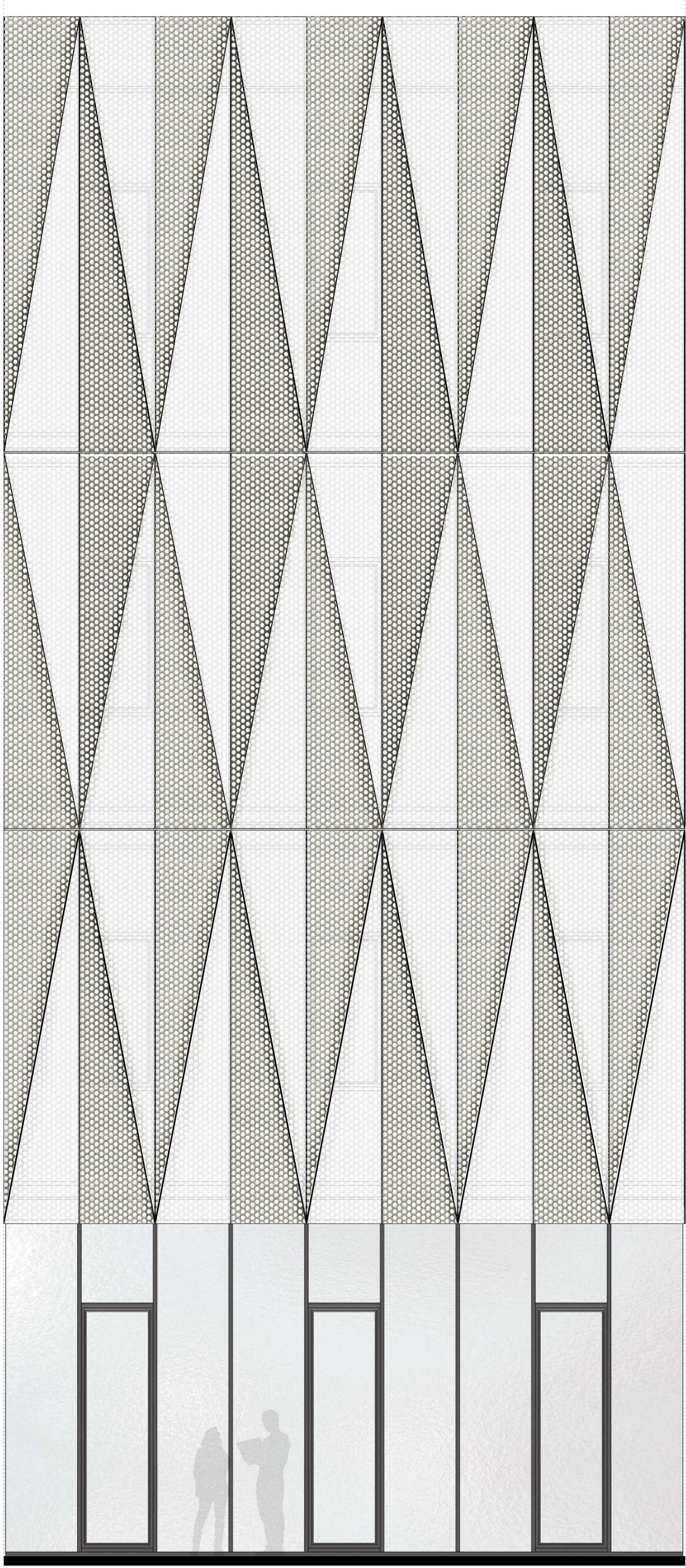
NORTHEAST ELEVATION

SOUTHWEST ELEVATION

SECTION

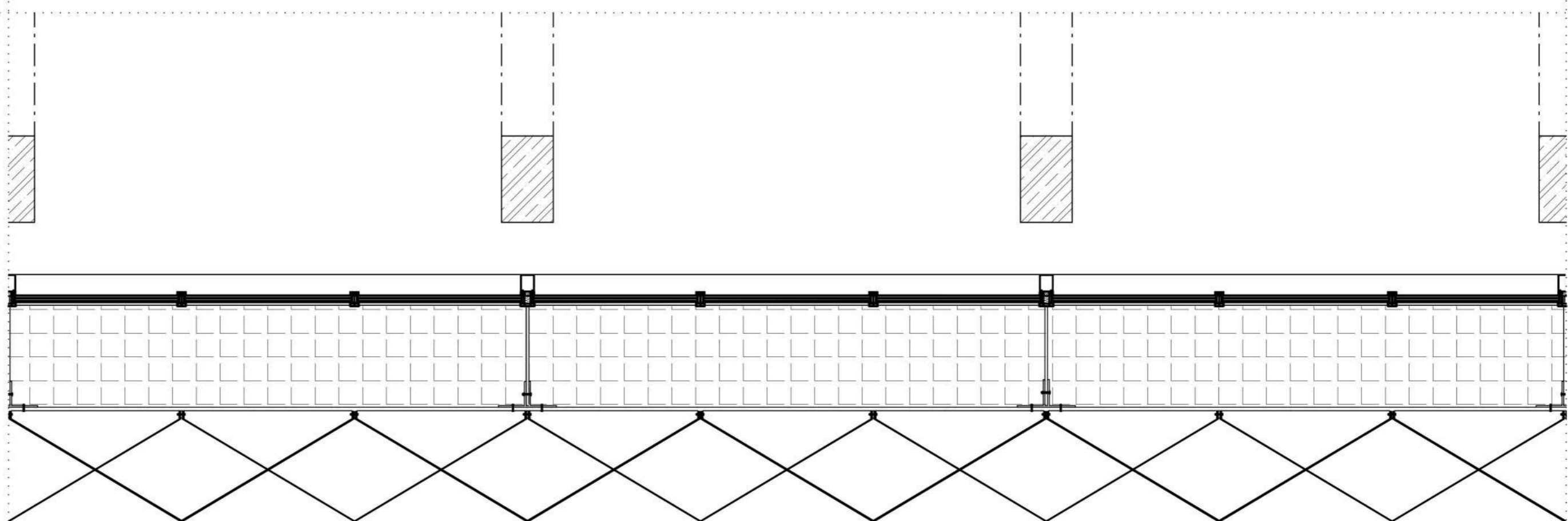


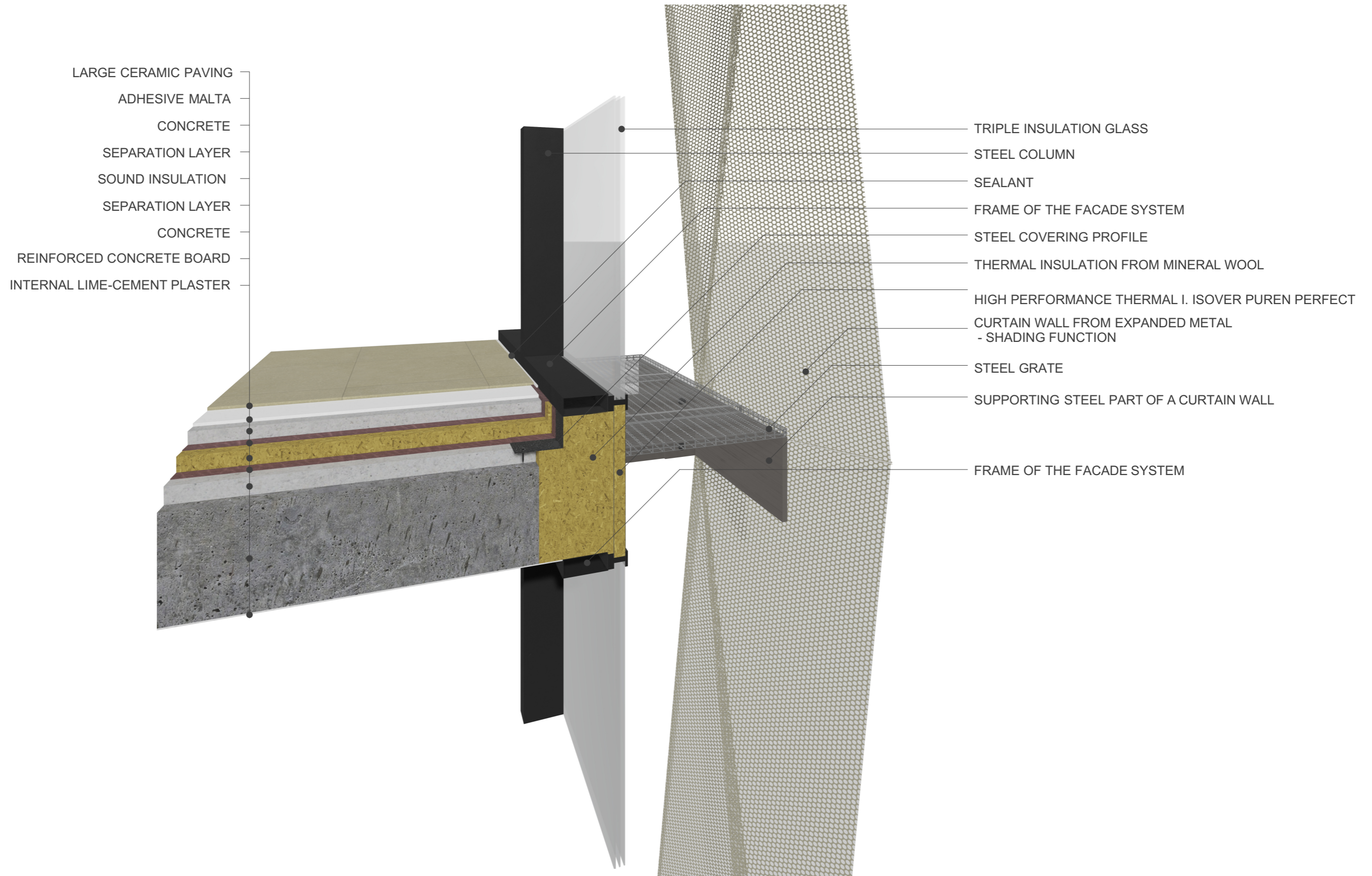
ELEVATION



- S
    - GRAVEL LAYER - 80mm
    - WATERPROOF LAYER
    - THERMAL INSULATION - 250mm
    - STEAM BARRIER
    - GRAVITY LAYER - LIGHT CONCRETE - 250mm
    - REINFORCED CONCRETE BOARD - 200mm
    - INTERNAL LIME-CEMENT PLASTER - 10mm
  - P1
    - LARGE CERAMIC PAVING
    - ADHESIVE MALTA - 10mm
    - CONCRETE - 40mm
    - SEPARATION LAYER
    - SOUND INSULATION - 40mm
    - SEPARATION LAYER
    - CONCRETE - 50mm
    - REINFORCED CONCRETE BOARD - 300mm
    - INTERNAL LIME-CEMENT PLASTER - 10mm
  - P2
    - LARGE CERAMIC PAVING
    - ADHESIVE MALTA - 10mm
    - CONCRETE - 40mm
    - SEPARATION LAYER
    - THERMAL INSULATION - 40mm
    - SEPARATION LAYER
    - WATERPROOFING LAYER
    - REINFORCED CONCRETE BOARD - 300mm
    - CONCRETE - 100mm
    - GRAVEL LAYER - 100mm
    - ORIGINAL SOIL
- EXPANDED METAL  
 GLASS

FLOOR PLAN







VISUALIZATION - EXTERIOR



VISUALIZATION - EXTERIOR



VISUALIZATION - EXTERIOR



VISUALIZATION - EXTERIOR



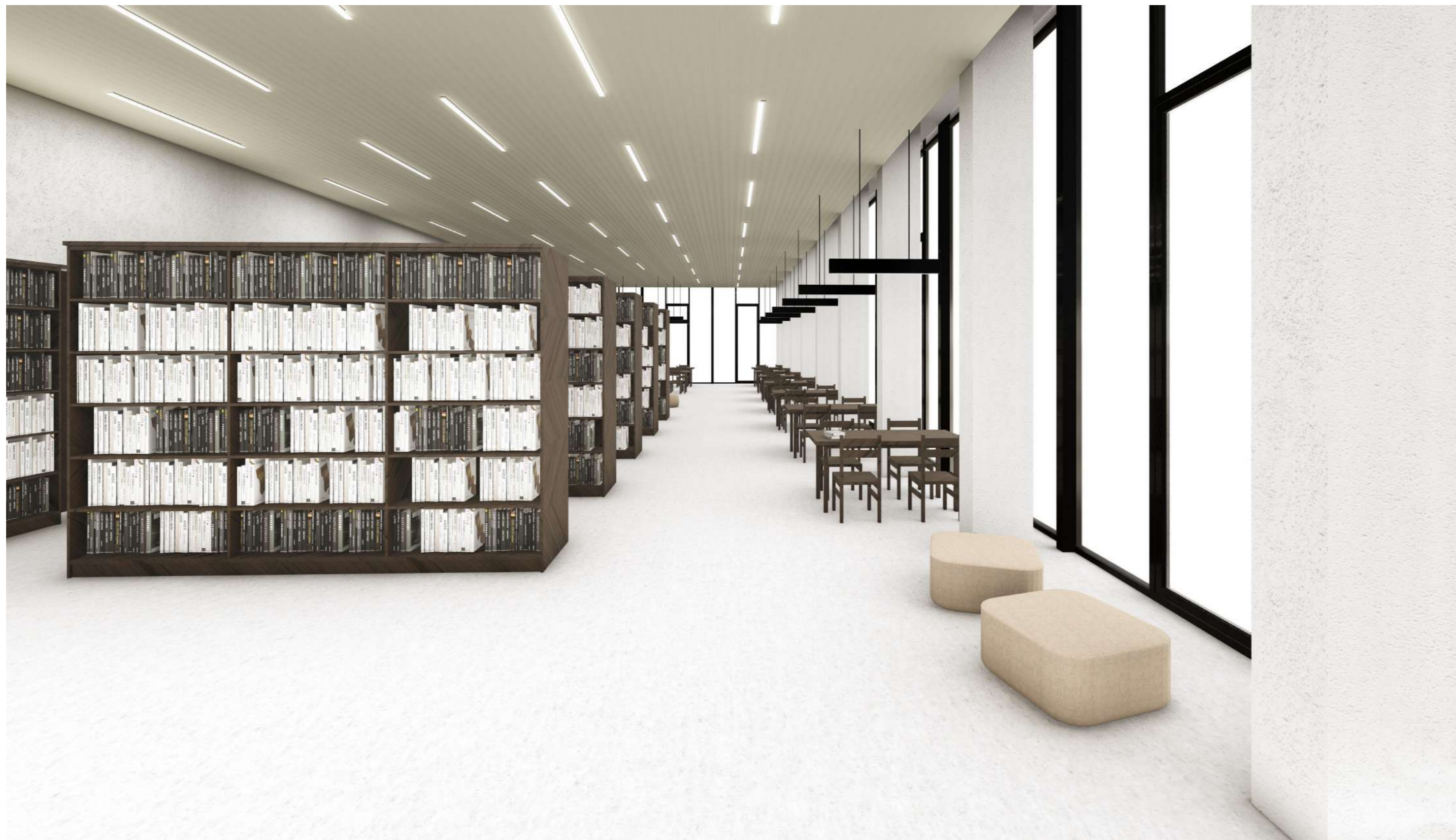
VISUALIZATION - EXTERIOR



VISUALIZATION - EXTERIOR



VISUALIZATION - INTERIOR - LIBRARY



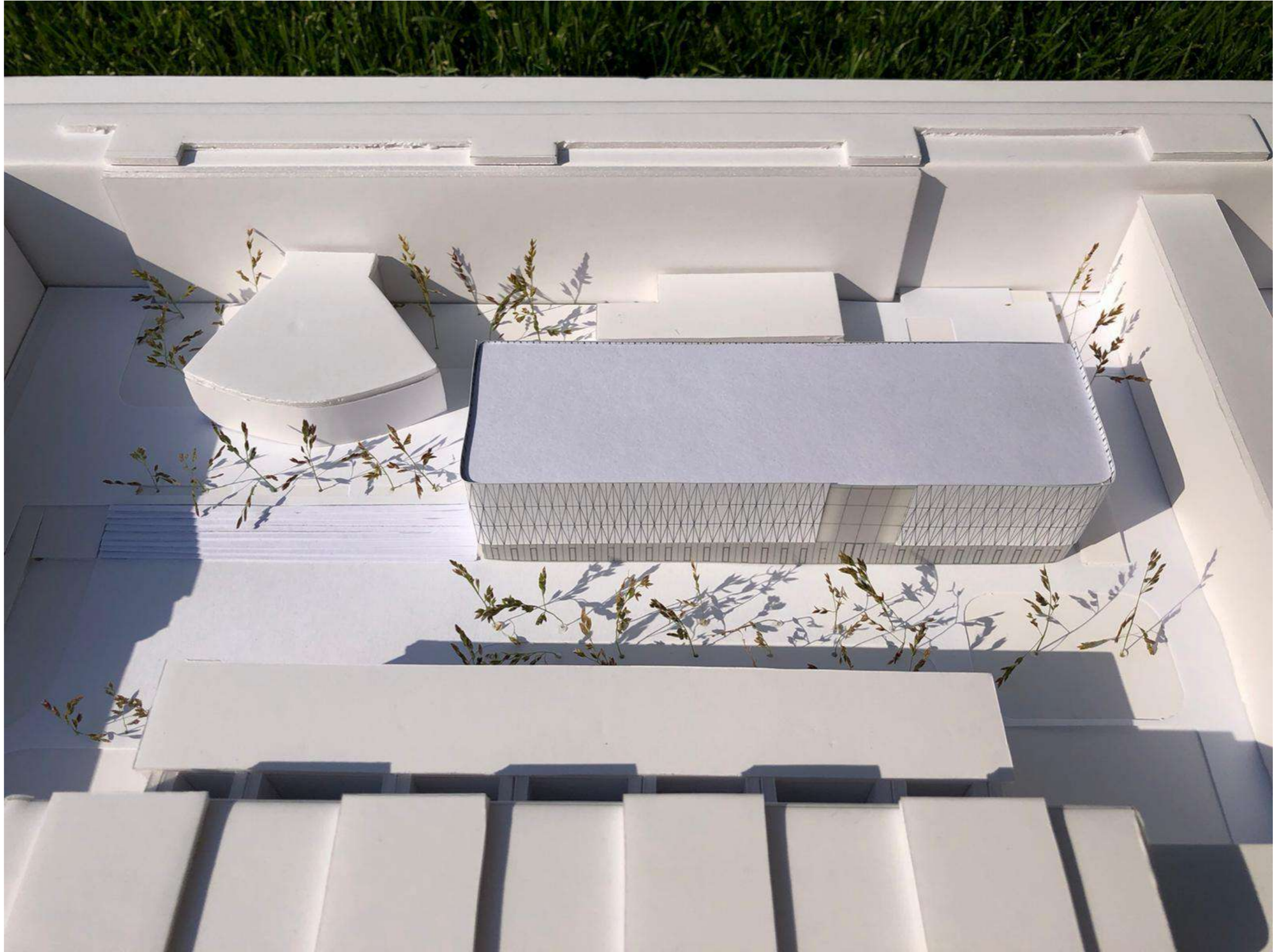
VISUALIZATION - INTERIOR - LIBRARY



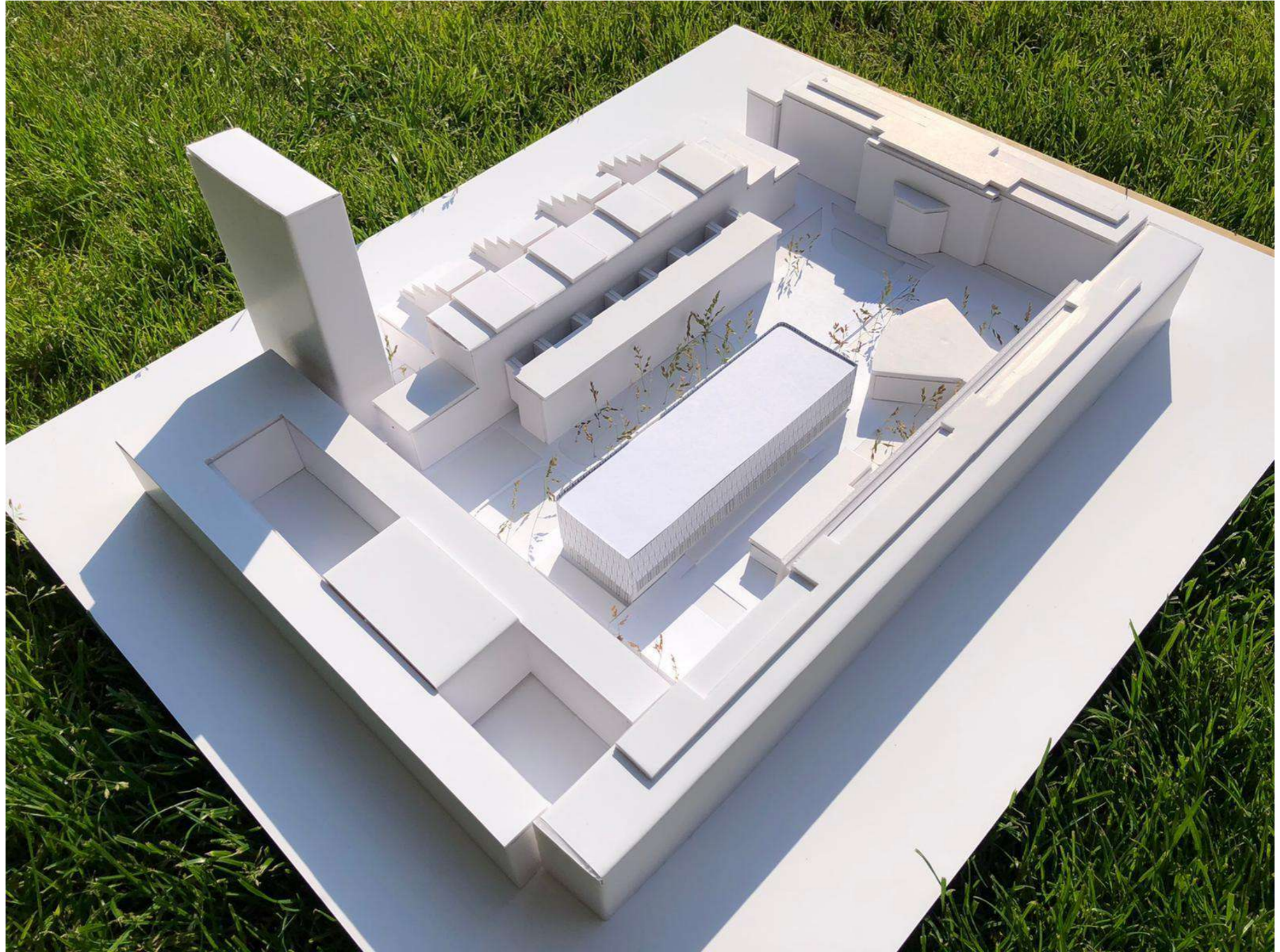
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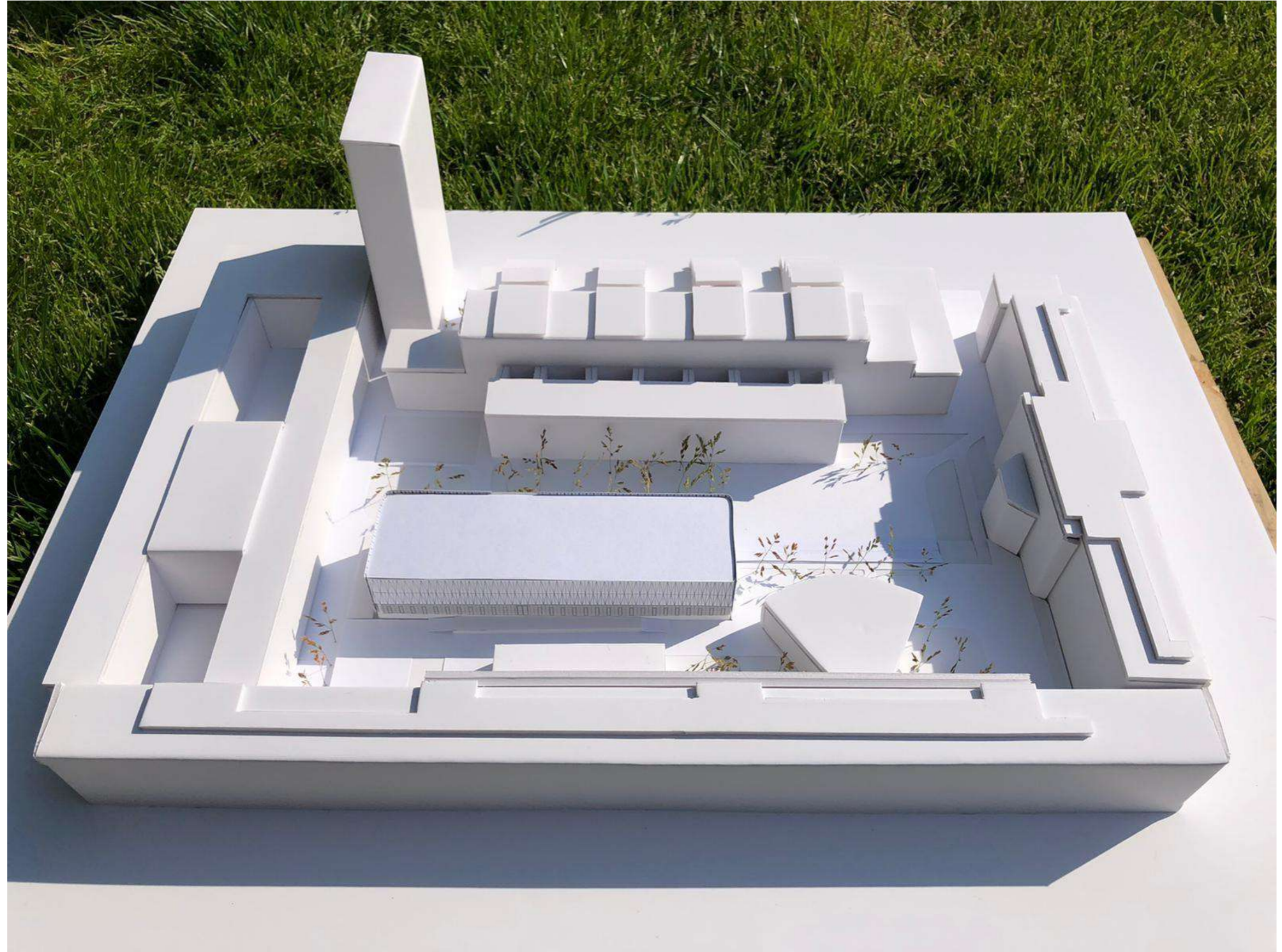
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ARCHITECTURAL MODEL

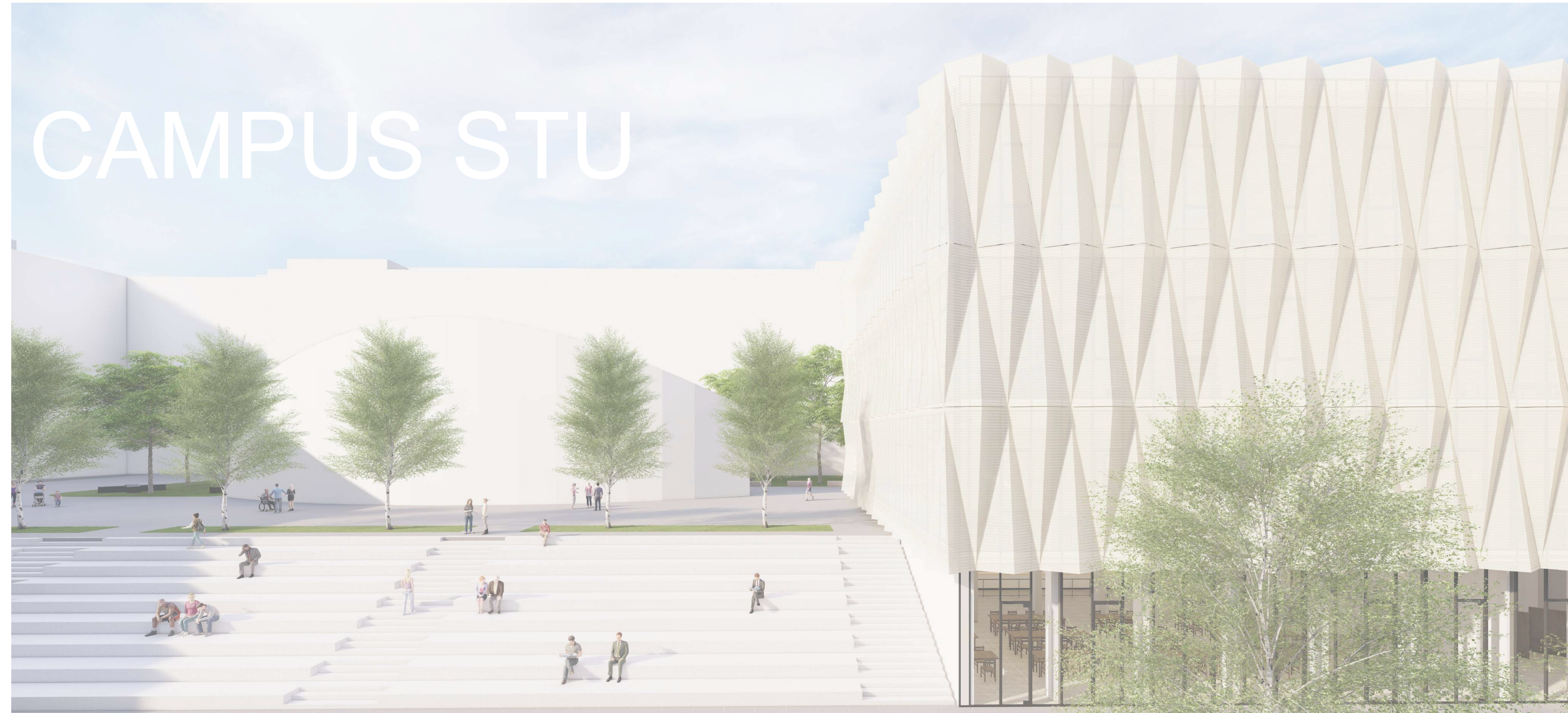


ARCHITECTURAL MODEL



ARCHITECTURAL MODEL

# CAMPUS STU

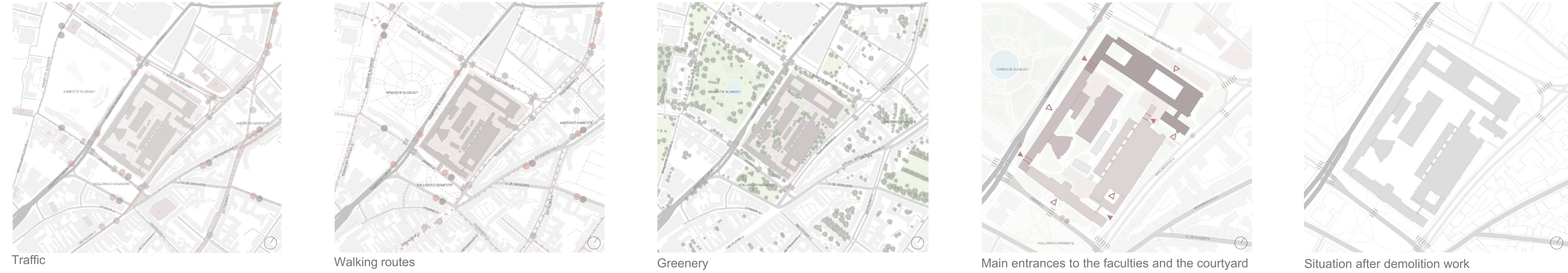


The aim of my work was to create a representative center of the Slovak University of Technology in Bratislava and to transform the courtyard. The proposal is based on the opening of the complex, the connection with the main public spaces such as Námestie slobody and Radlinského street, and the connection between the main roads and the social areas of the faculty buildings. The campus and the building are to serve students, pedagogical, researchers and employees of STU, as well as experts from practice, self-government and the public. From the analysis of the area, it was clear to preserve the object of heavy laboratories with a change in functional units. The establishment of this representative center of the university will improve the quality of life for the student at the university, the relationship between the staff and students of the unified faculties will be renewed and will bring the public to the courtyard.

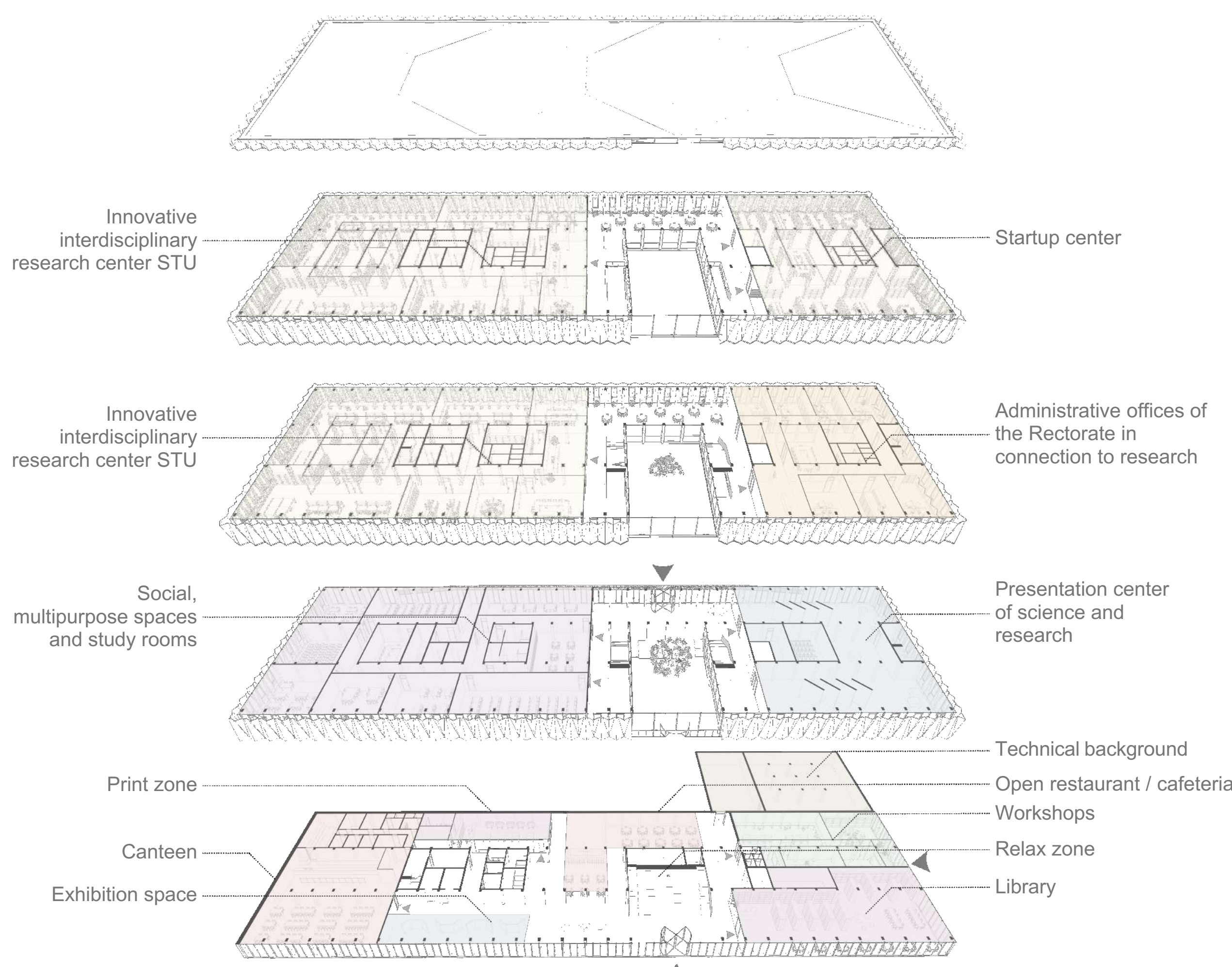
PHOTO DOCUMENTATION OF THE ORIGINAL CONDITION



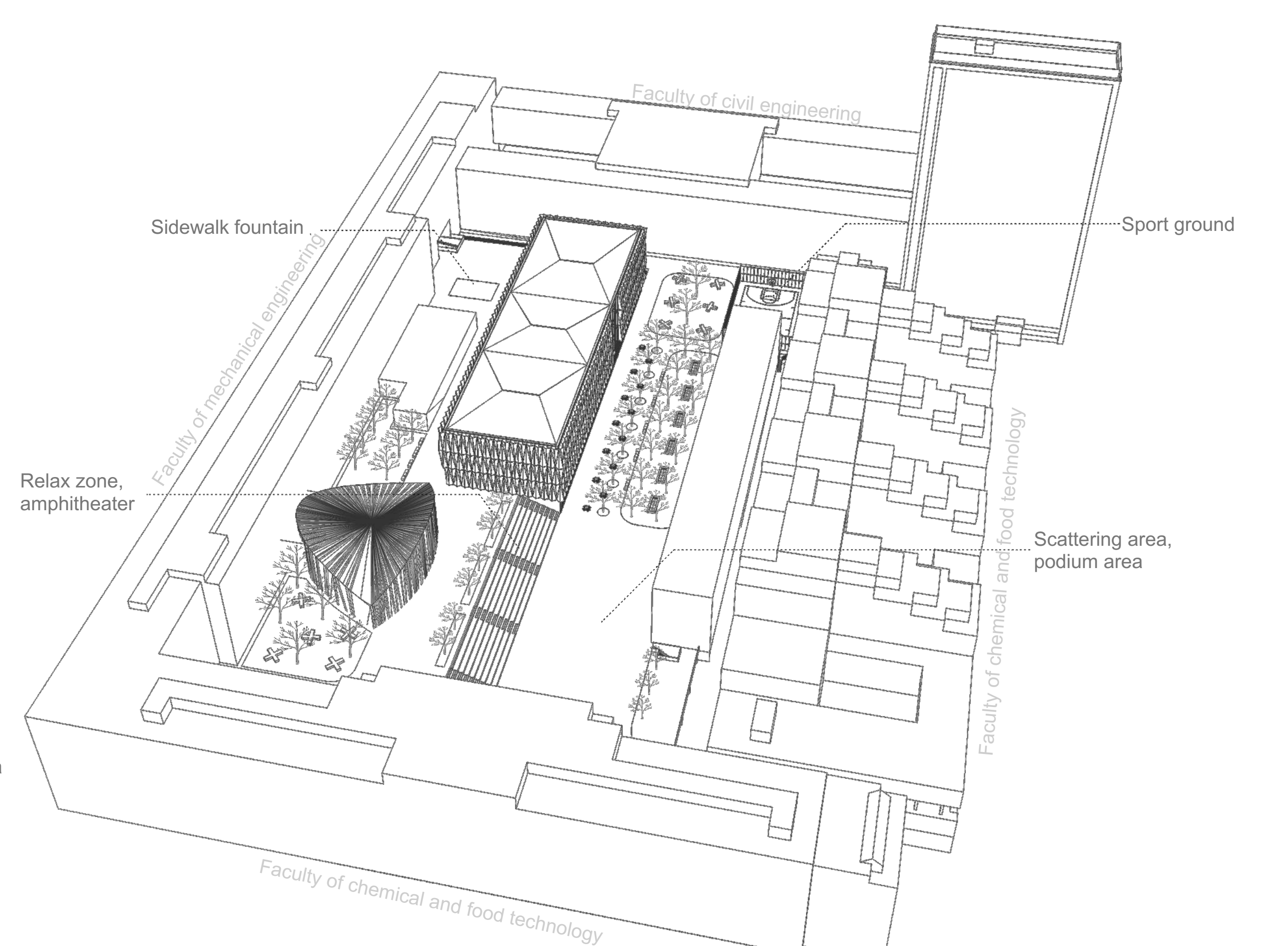
ANALYSES

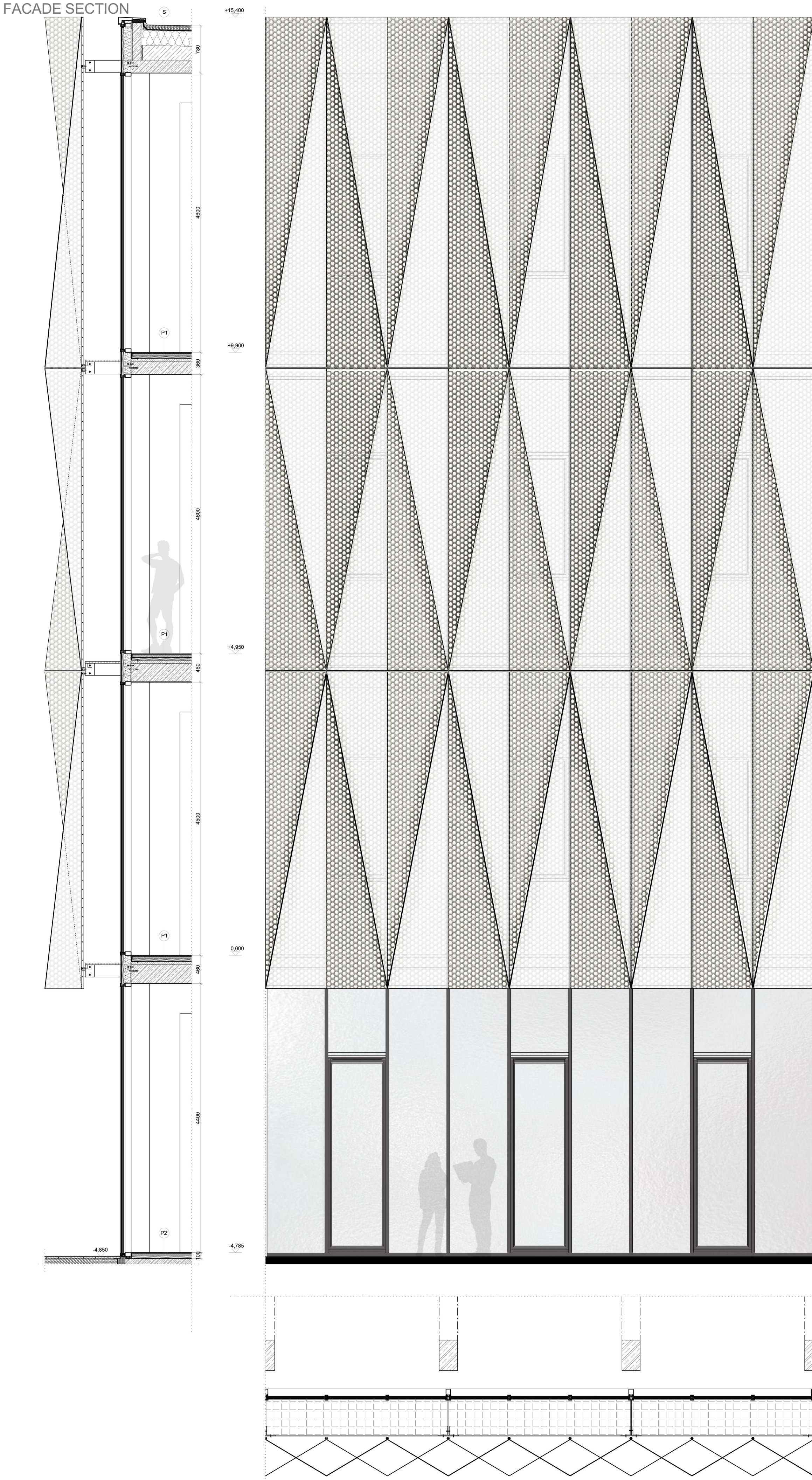


AXONOMETRY OF FUNCTIONAL LAYOUTS

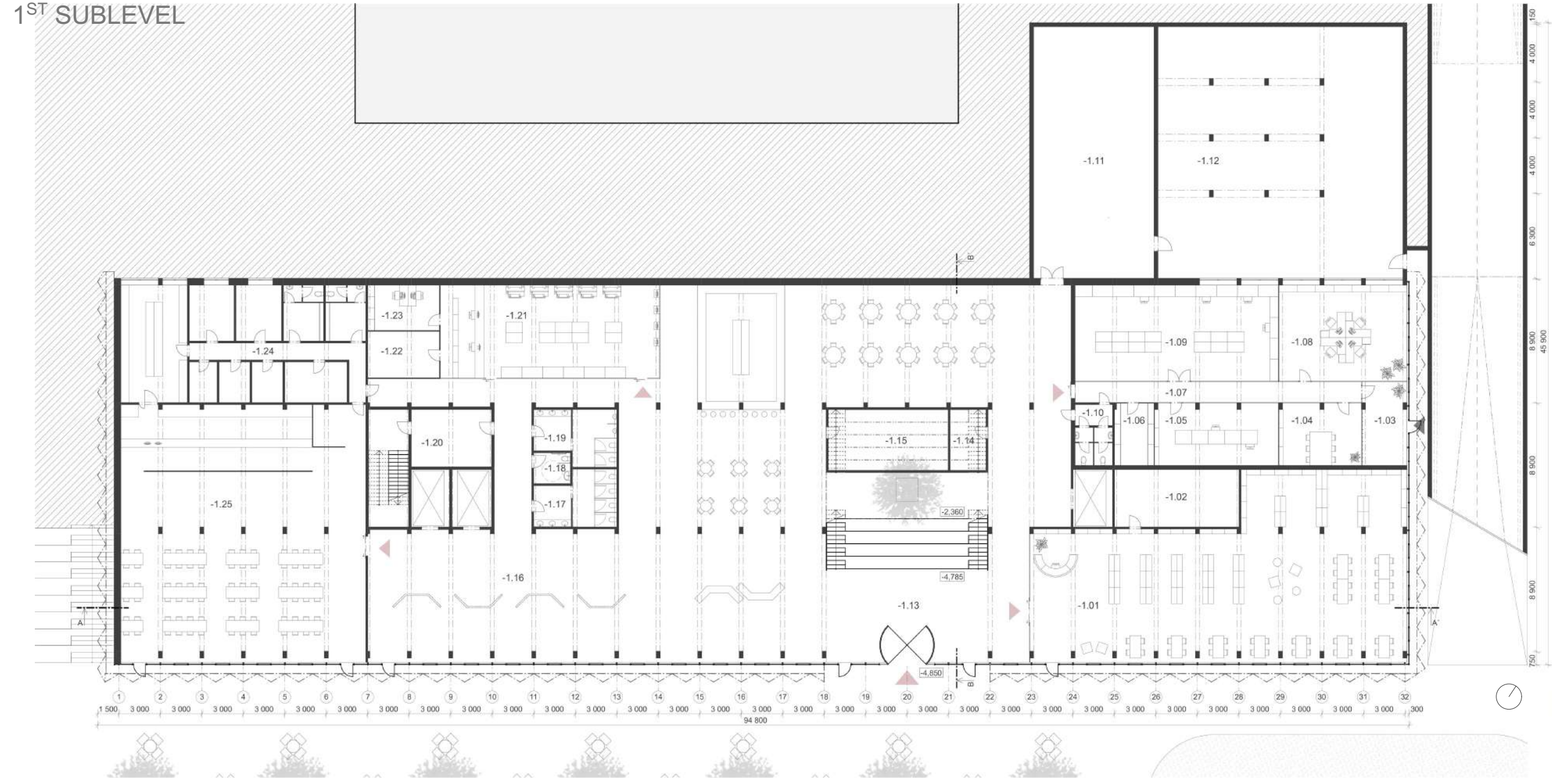


AXONOMETRY FOR COURTYARD DESIGN

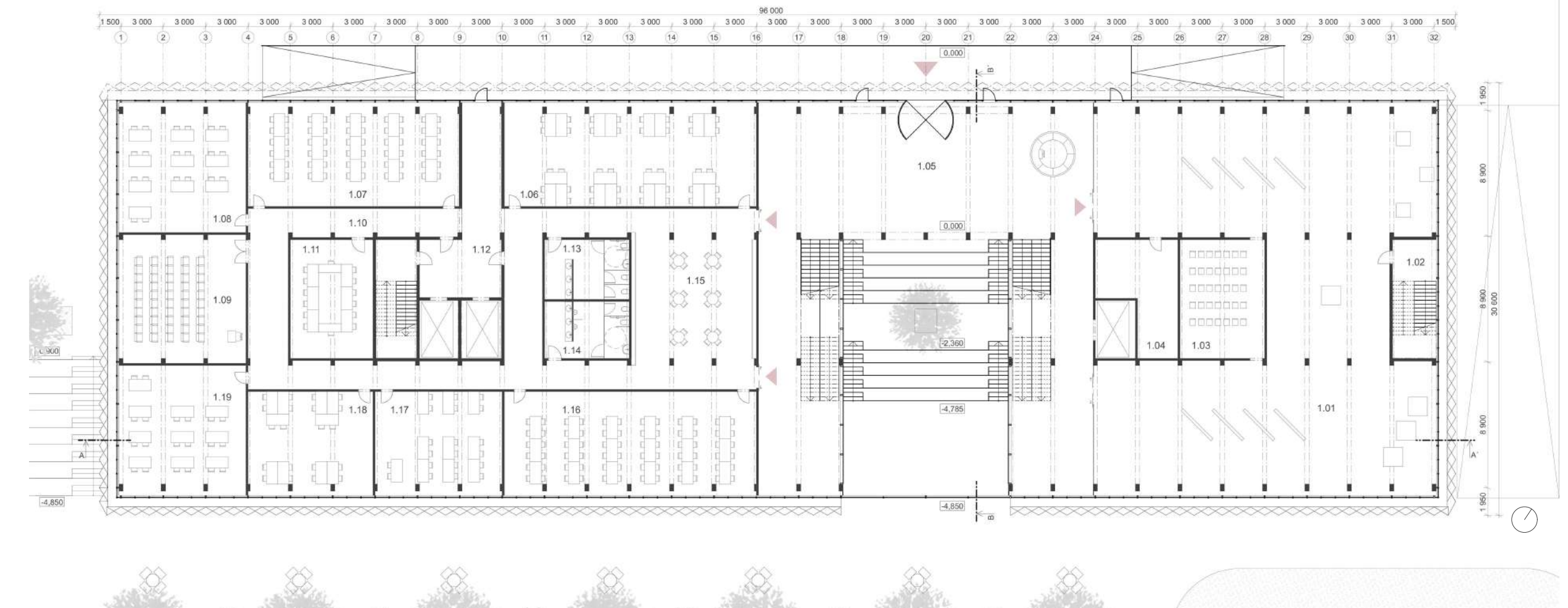




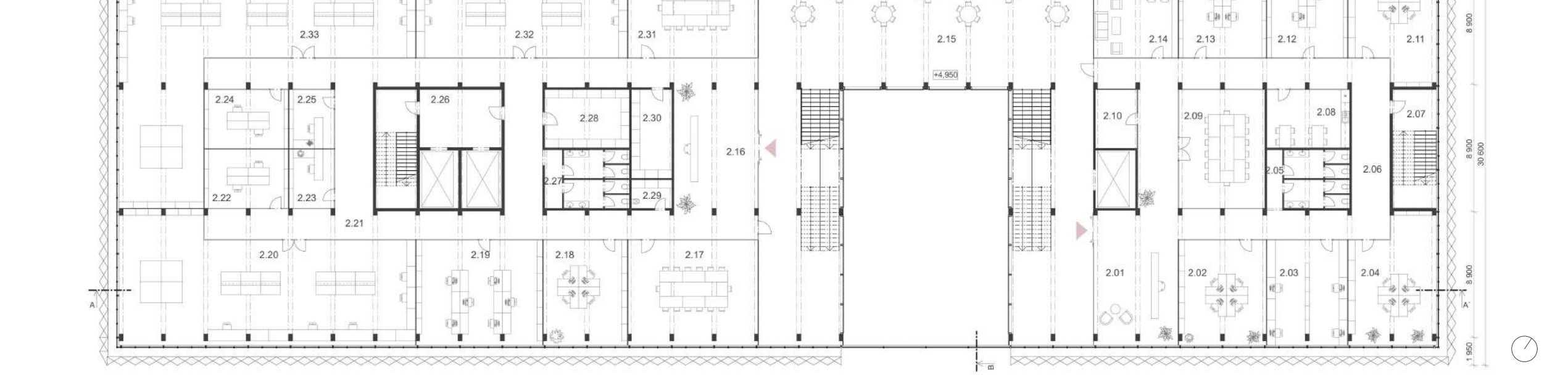
LONGITUDINAL SECTION A-A'



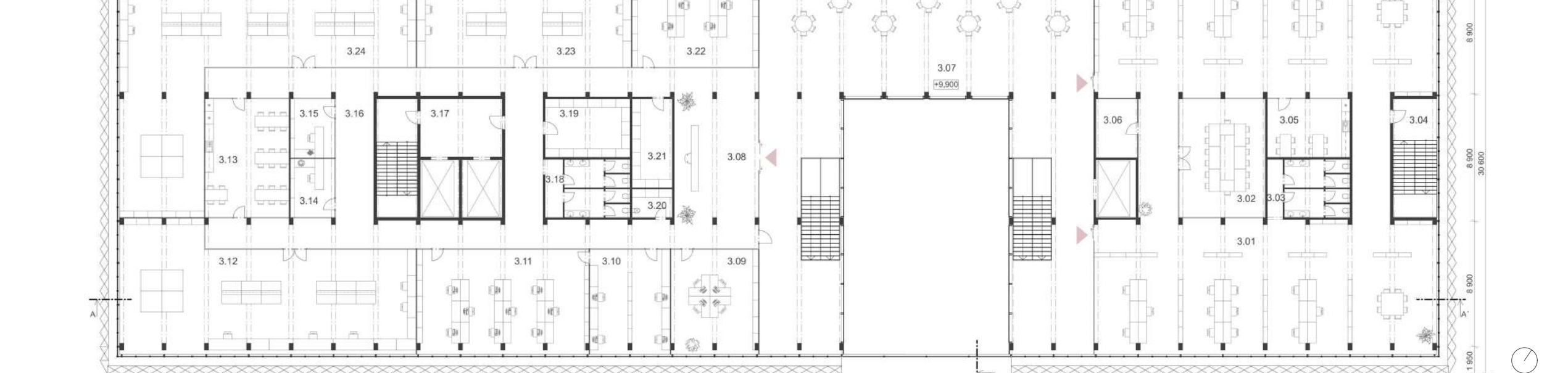
1ST SUBLEVEL



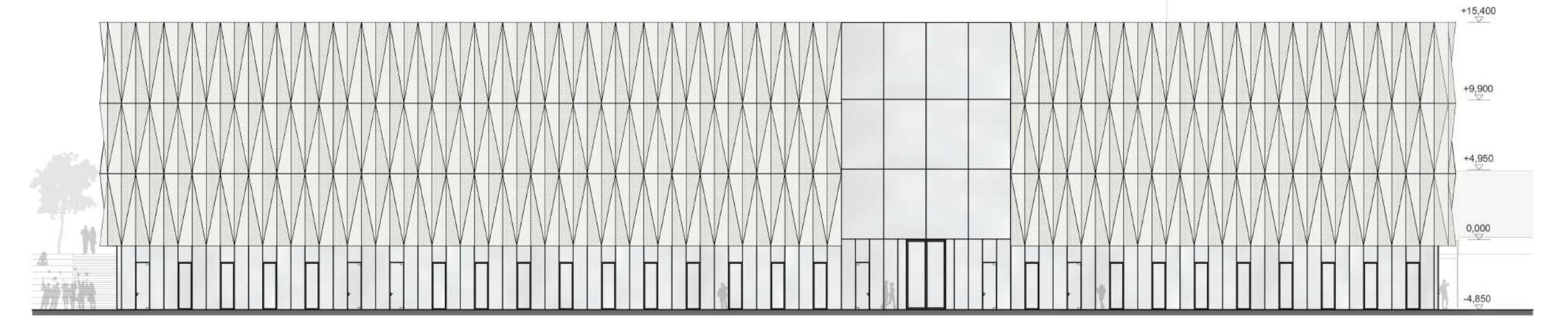
1ST FLOOR



2ND FLOOR



3RD FLOOR



SOUTHEAST ELEVATION



LONGITUDINAL SECTION A-A'

