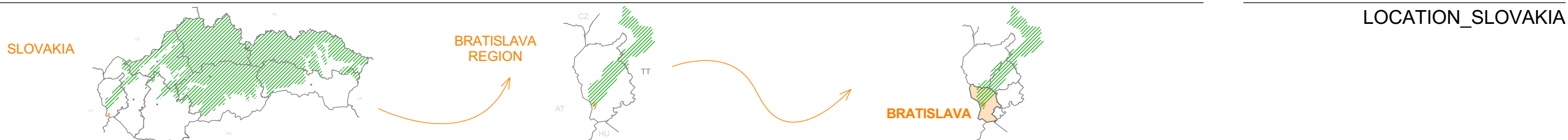
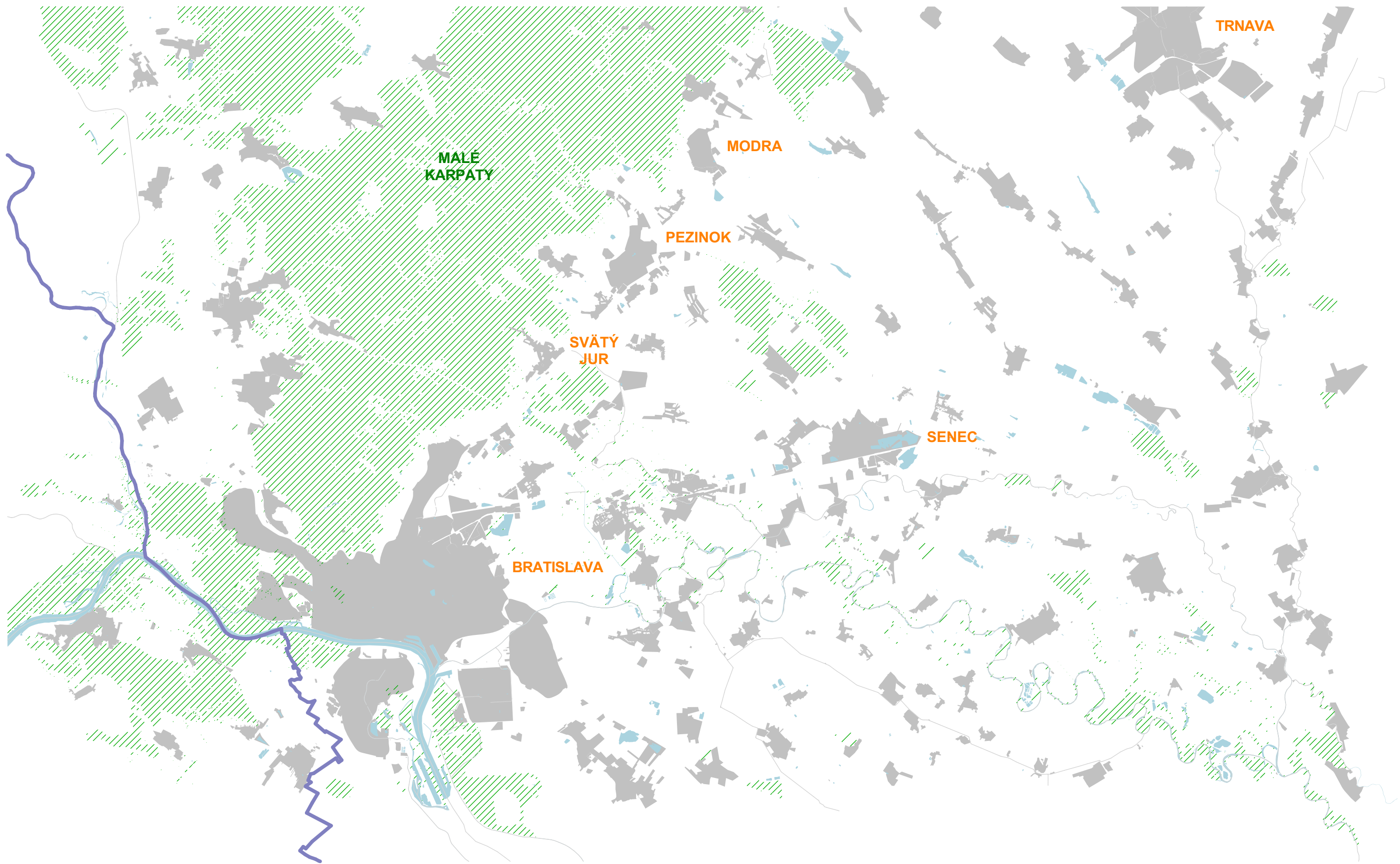
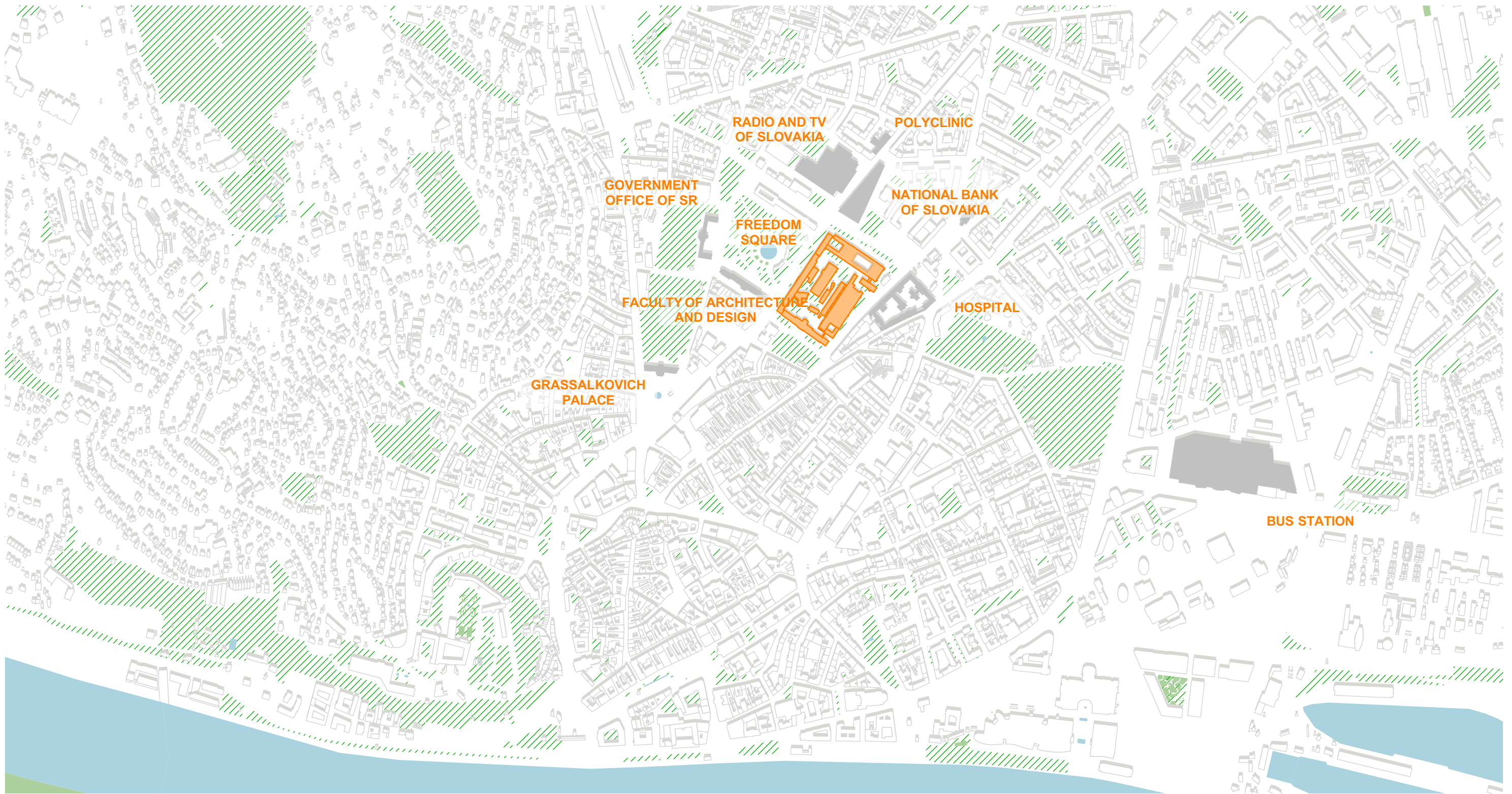


NEIGHBOURHOOD CONTEXT





SITE ANALYSIS

ARCHITECTURE



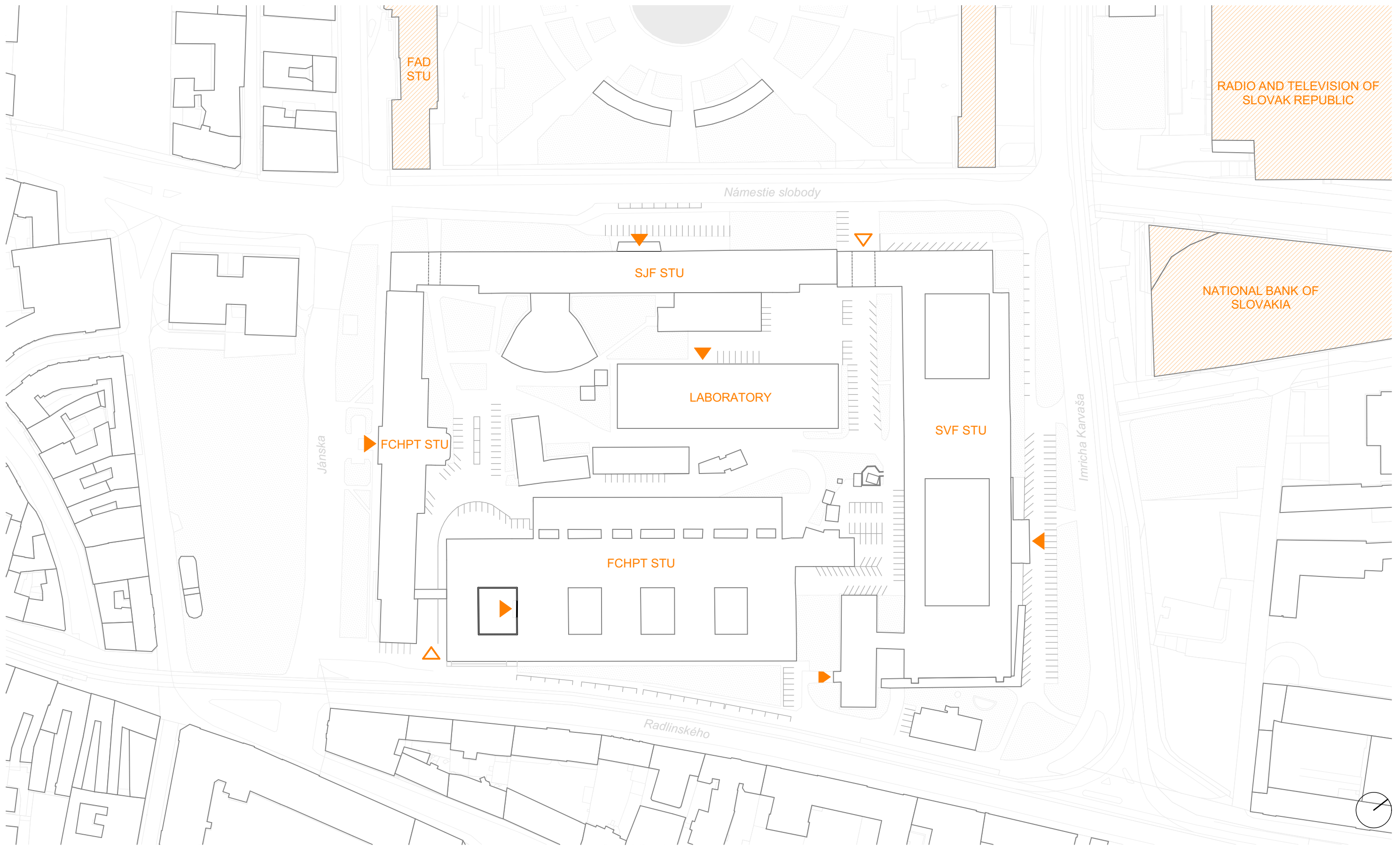


LEGEND

-  Campus STU
-  significant buildings
-  park, forest, cemetery
-  Danube

LOCATION_BRATISLAVA

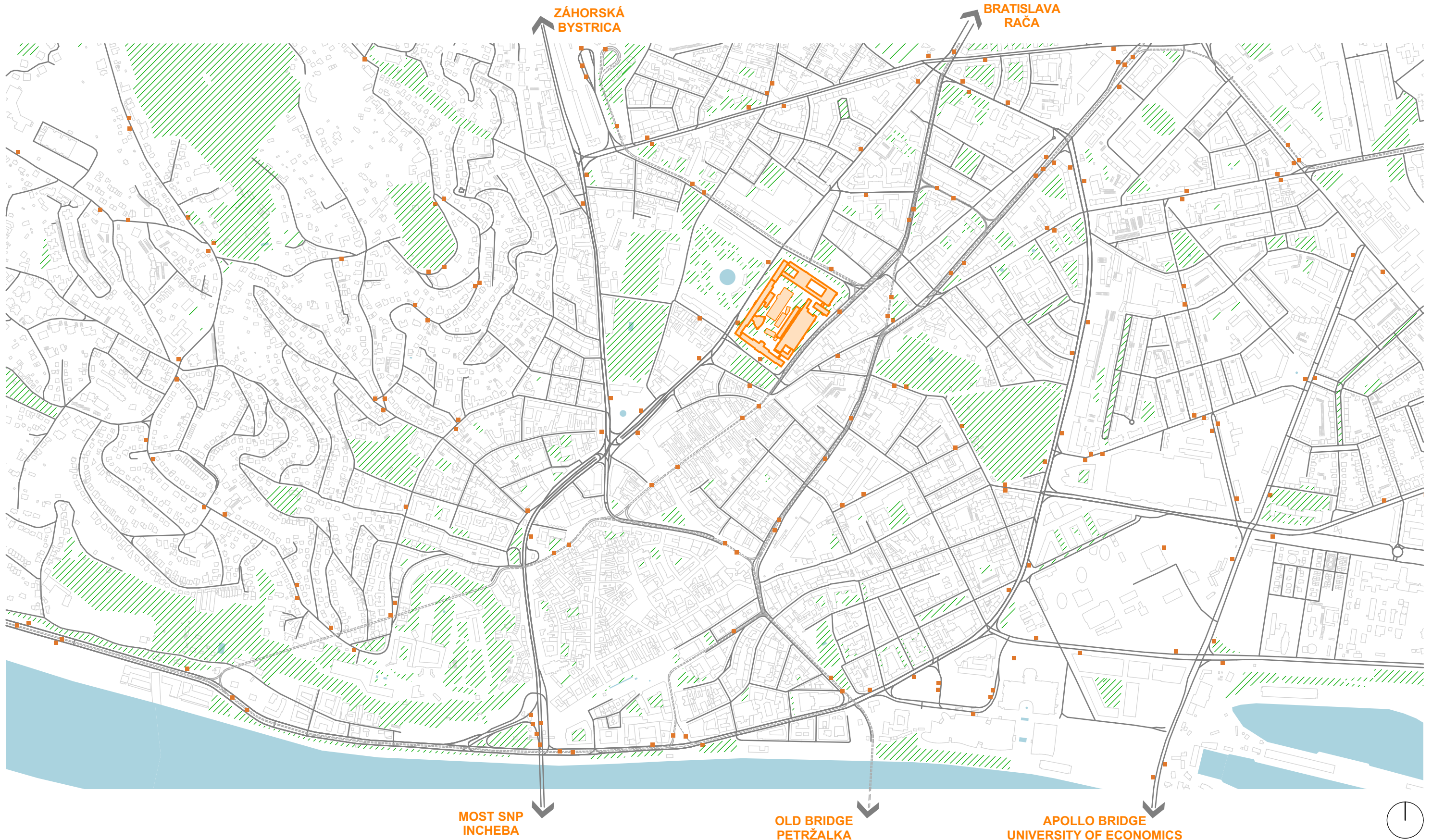









LEGEND



- ▲ main entrances to the buildings
- △ entrances to the courtyard STU
- objects
- green vegetation

SCALE 1:1500
SURROUNDINGS

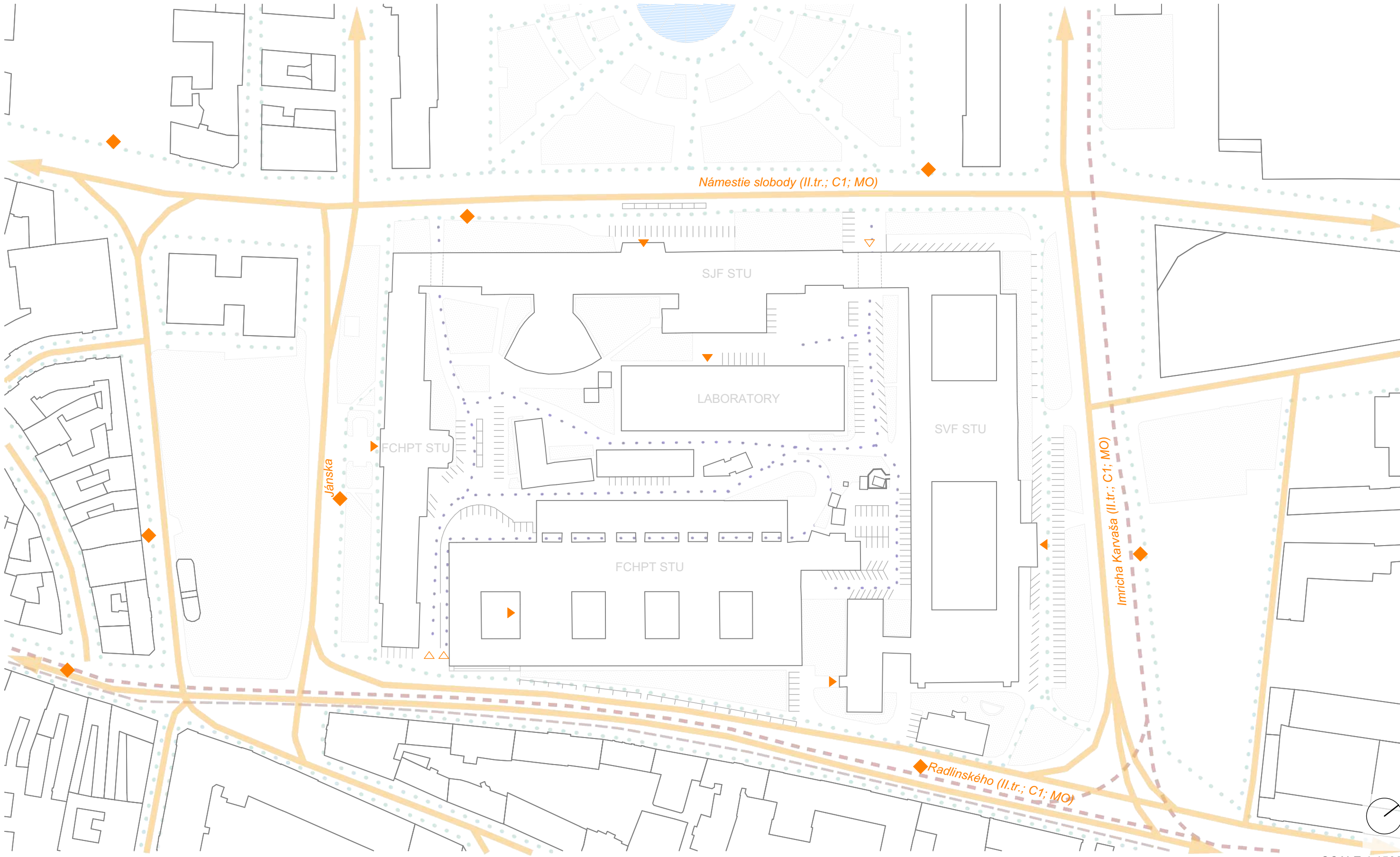


LEGEND

-  Campus STU
-  objects
-  communications
-  public transport - tram
-  public transport stops

-  Danube
-  green vegetation

INFRASTRUCTURE



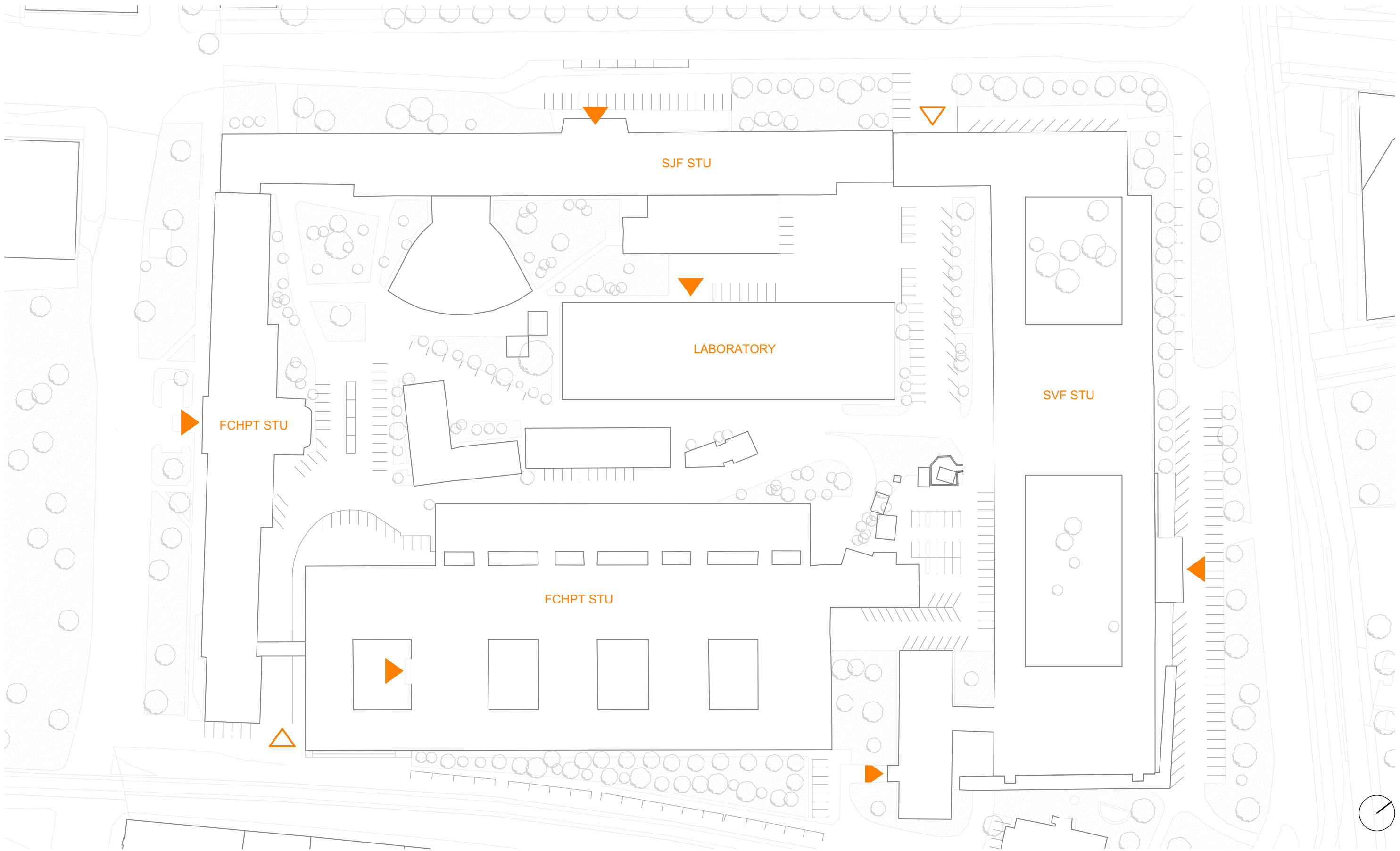
LEGEND

- ▲ main entrances to the buildings
- △ entrances to the courtyard STU
- objects
- communication; MO FT:C1
- ... courtyard paths
- ... footpaths

- ... cycle routes
- - - public transport - tram
- ◆ public transport stops
- ▨ green vegetation

SCALE 1:1500

INFRASTRUCTURE

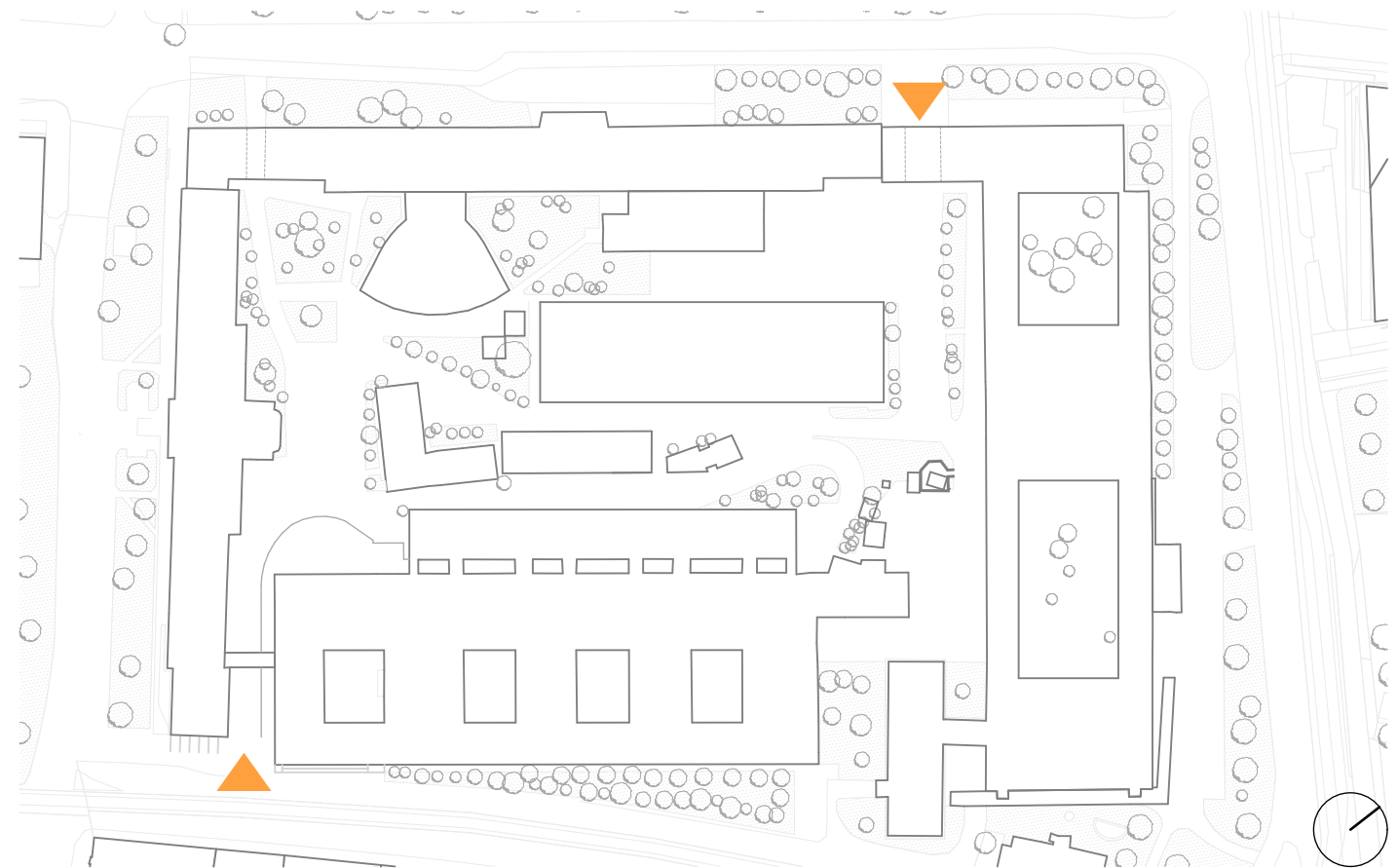


LEGEND




- ▲ main entrances to the buildings
- △ entrances to the courtyard
- objects
- green vegetation

SCALE 1:1000
EXISTING SITE PLAN

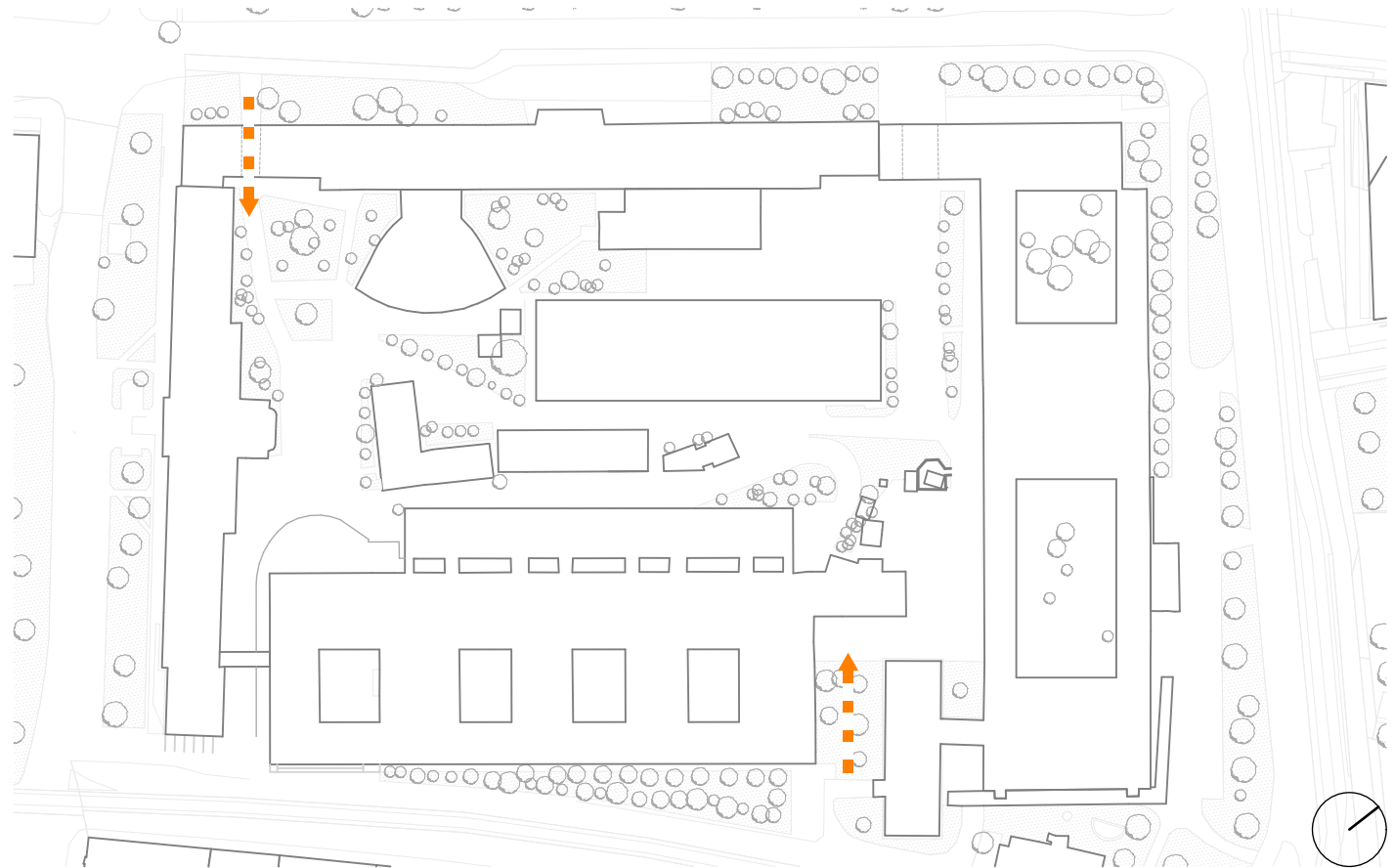
NEIGHBOURHOOD CONTEXT
SITE ANALYSIS
ARCHITECTURE






LEGEND

- 
entrances to the courtyard STU
- 
objects of Campus STU
- 
vegetation

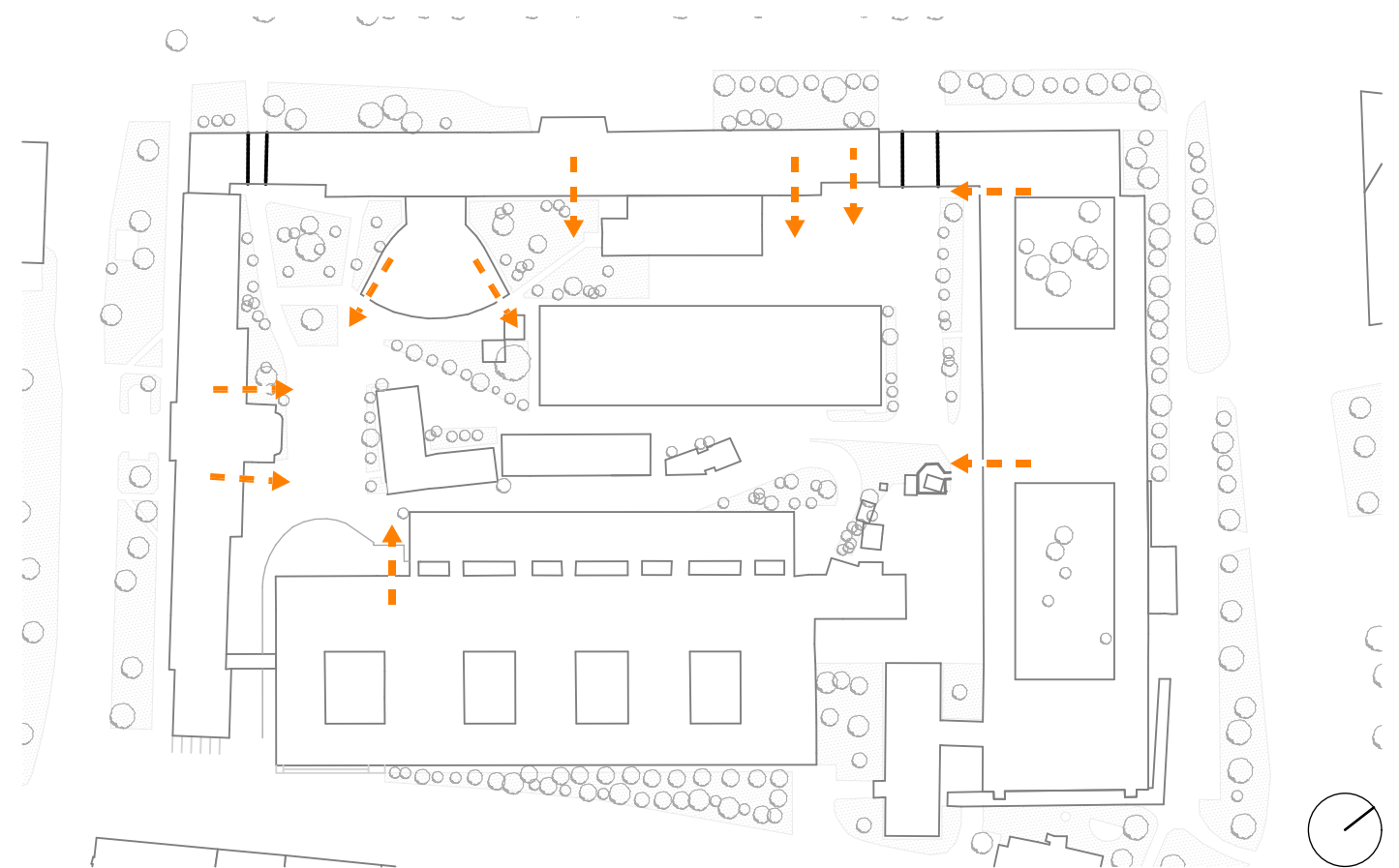
ENTRANCES TO THE COURTYARD






LEGEND

-  possible opening of passages to the courtyard
-  objects of Campus STU
-  vegetation

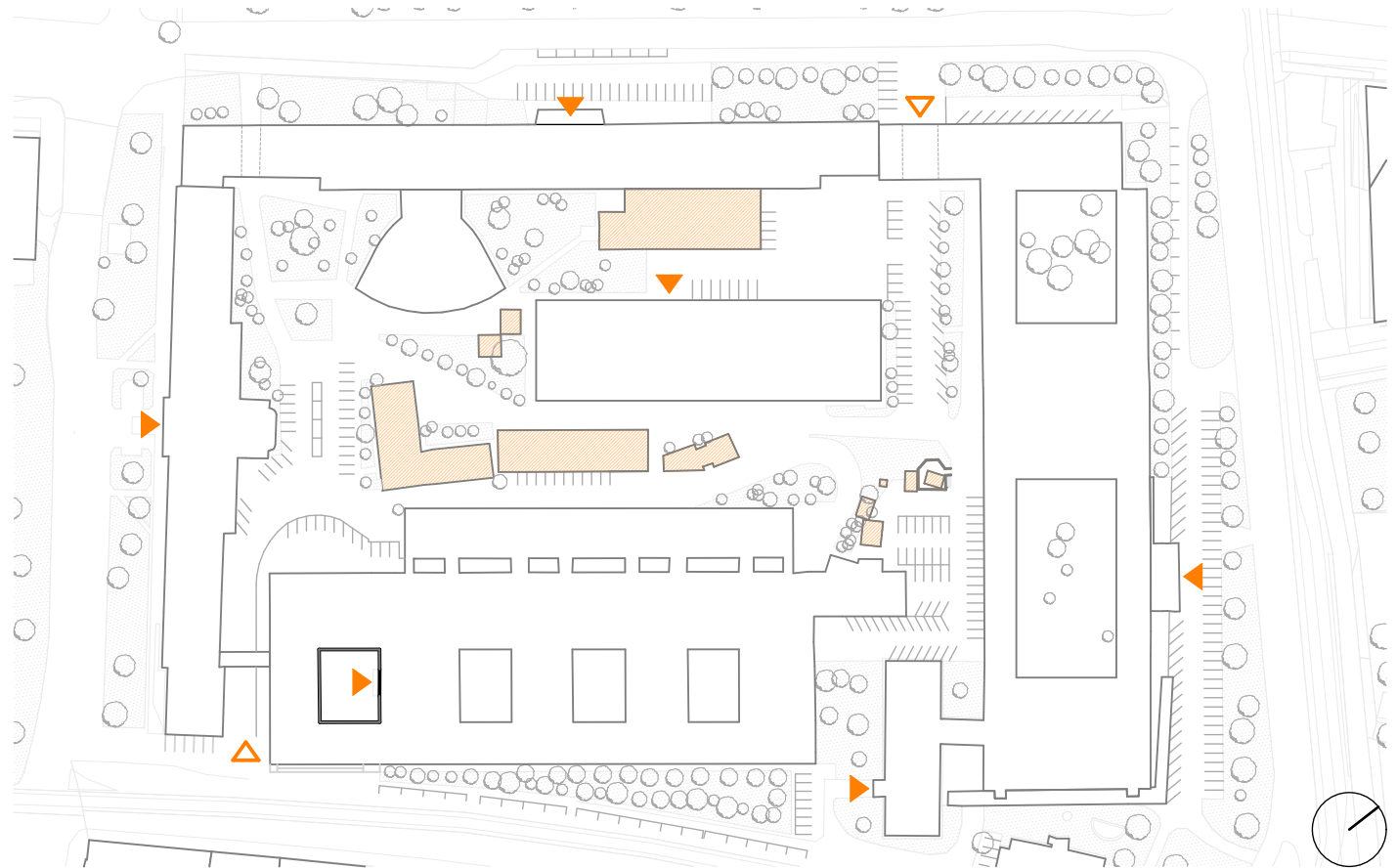
PASSAGES








LEGEND

-  possible opening facilities to the courtyard
-  objects of Campus STU
-  vegetation

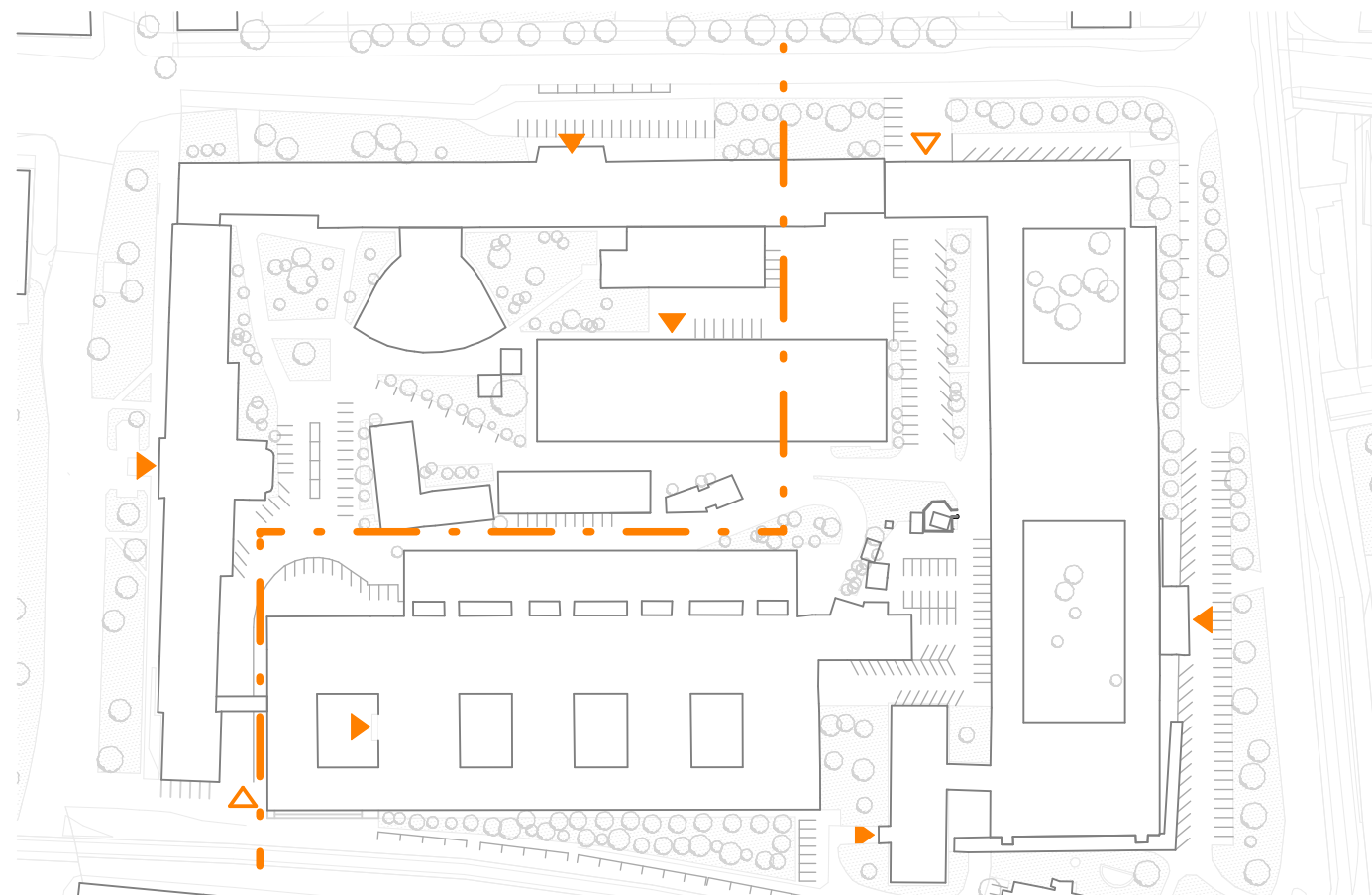
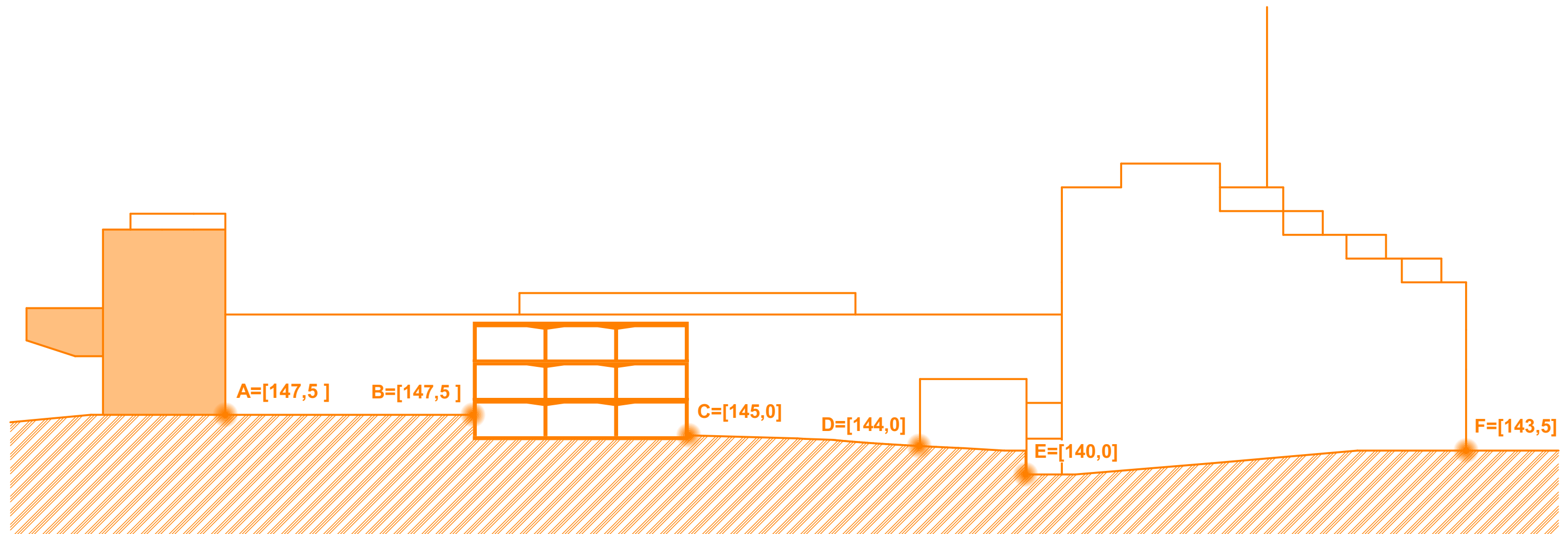
ENTRANCES



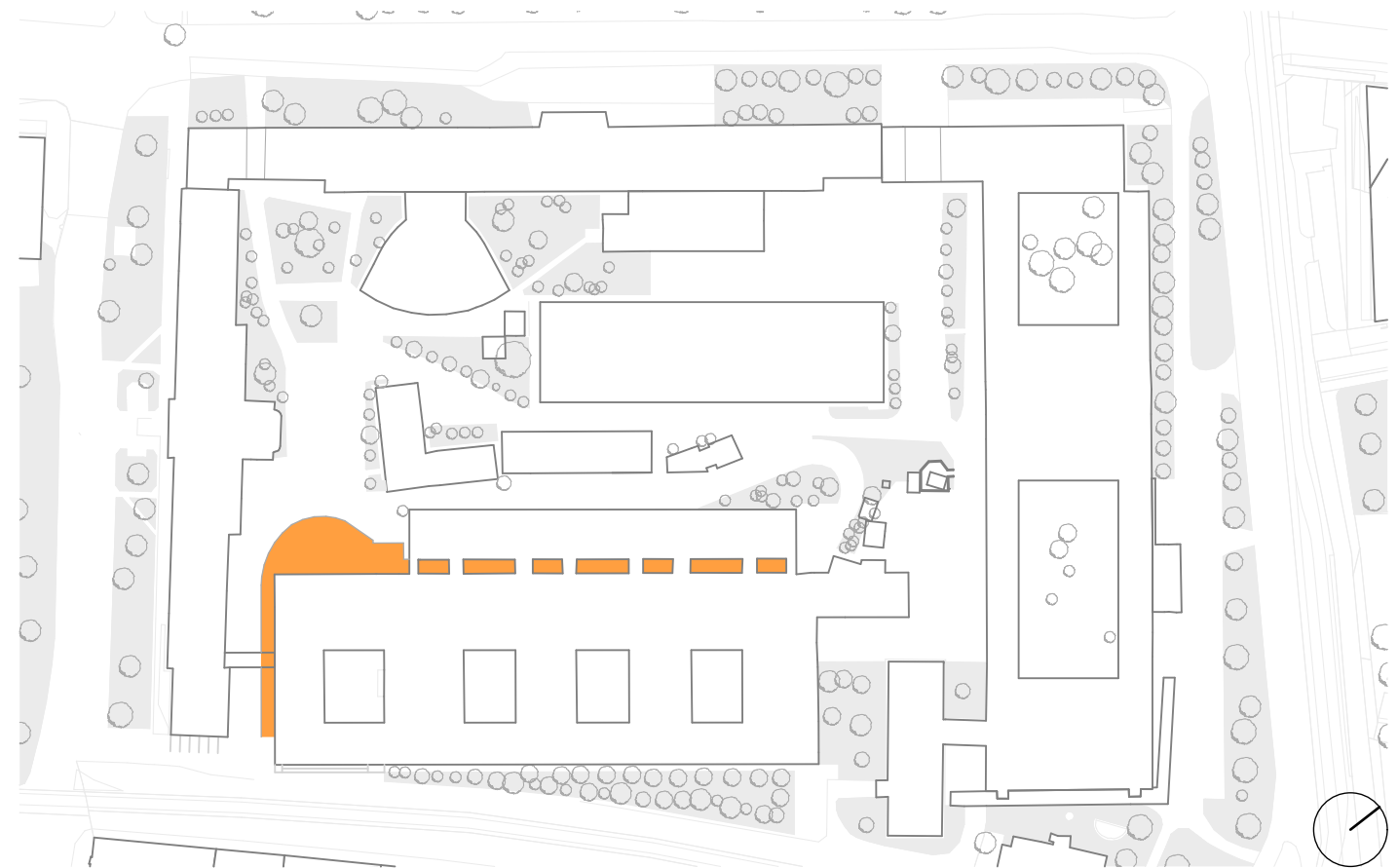
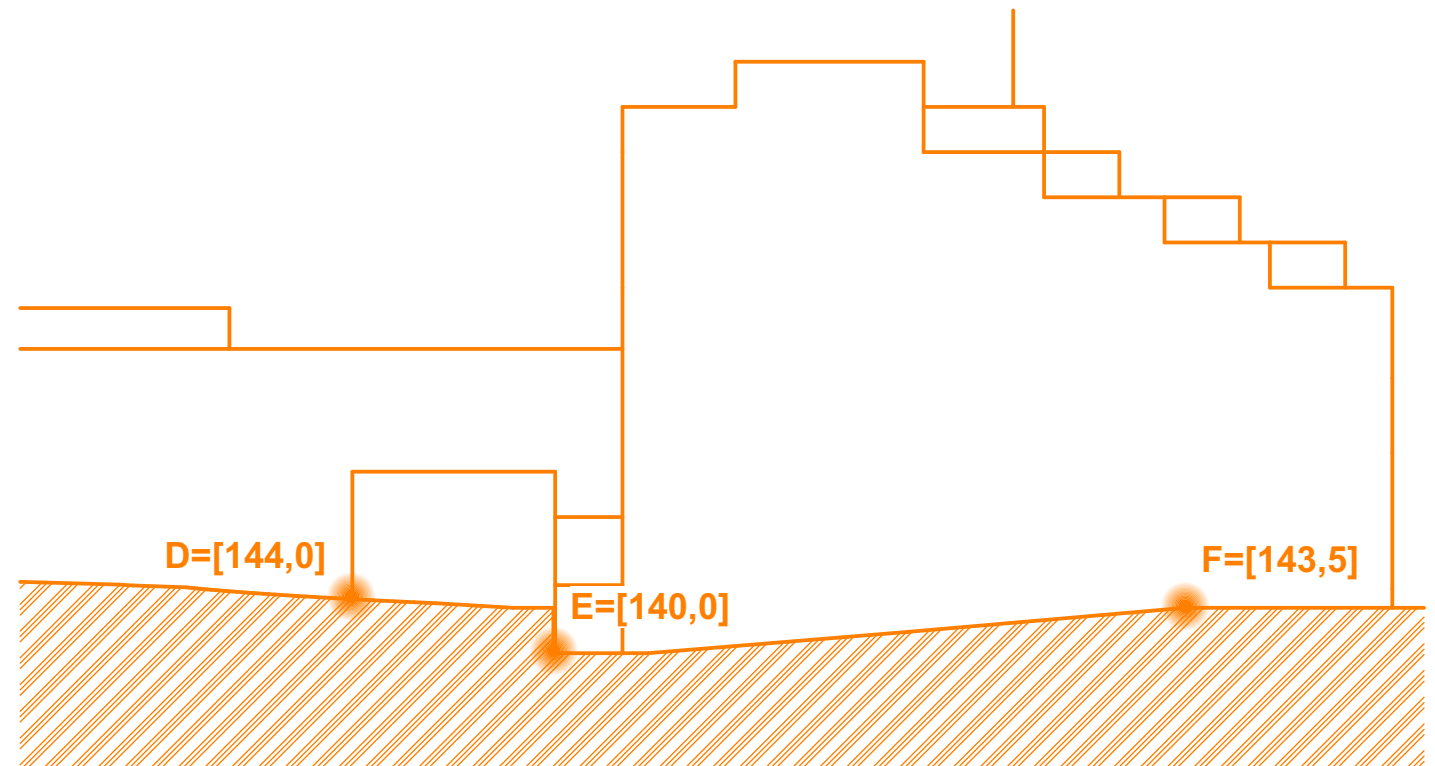
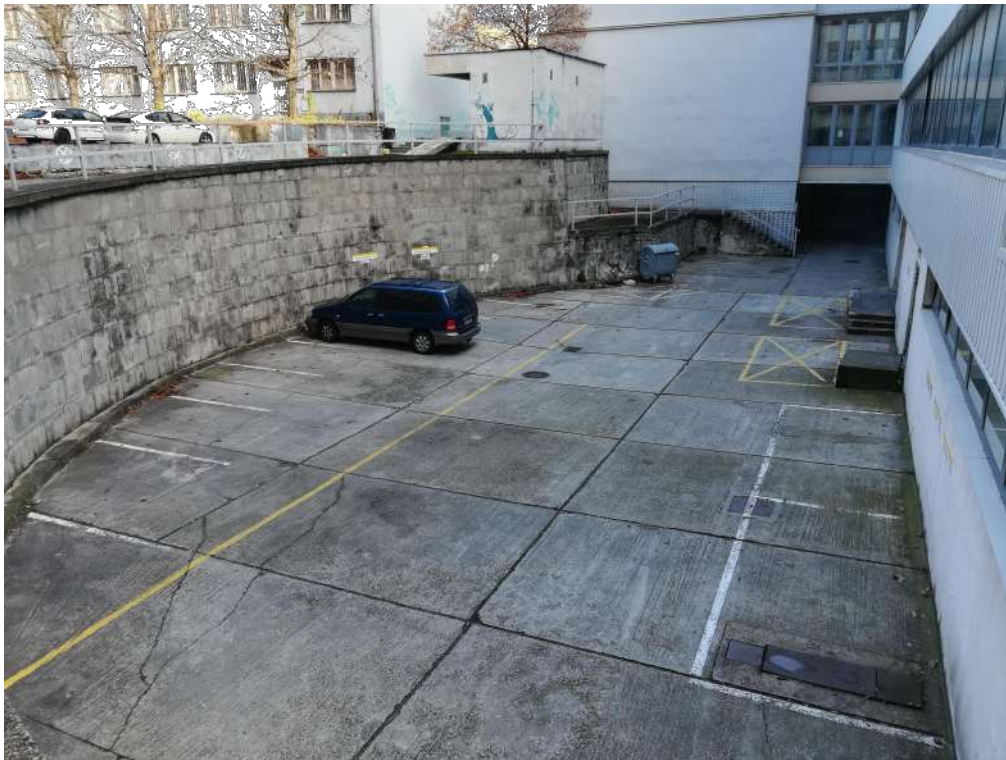
LEGEND

-  *main entrances to the buildings*
-  *entrances to the courtyard*
-  *objects*
-  *demolition of objects*
-  *vegetation*

DEMOLITION



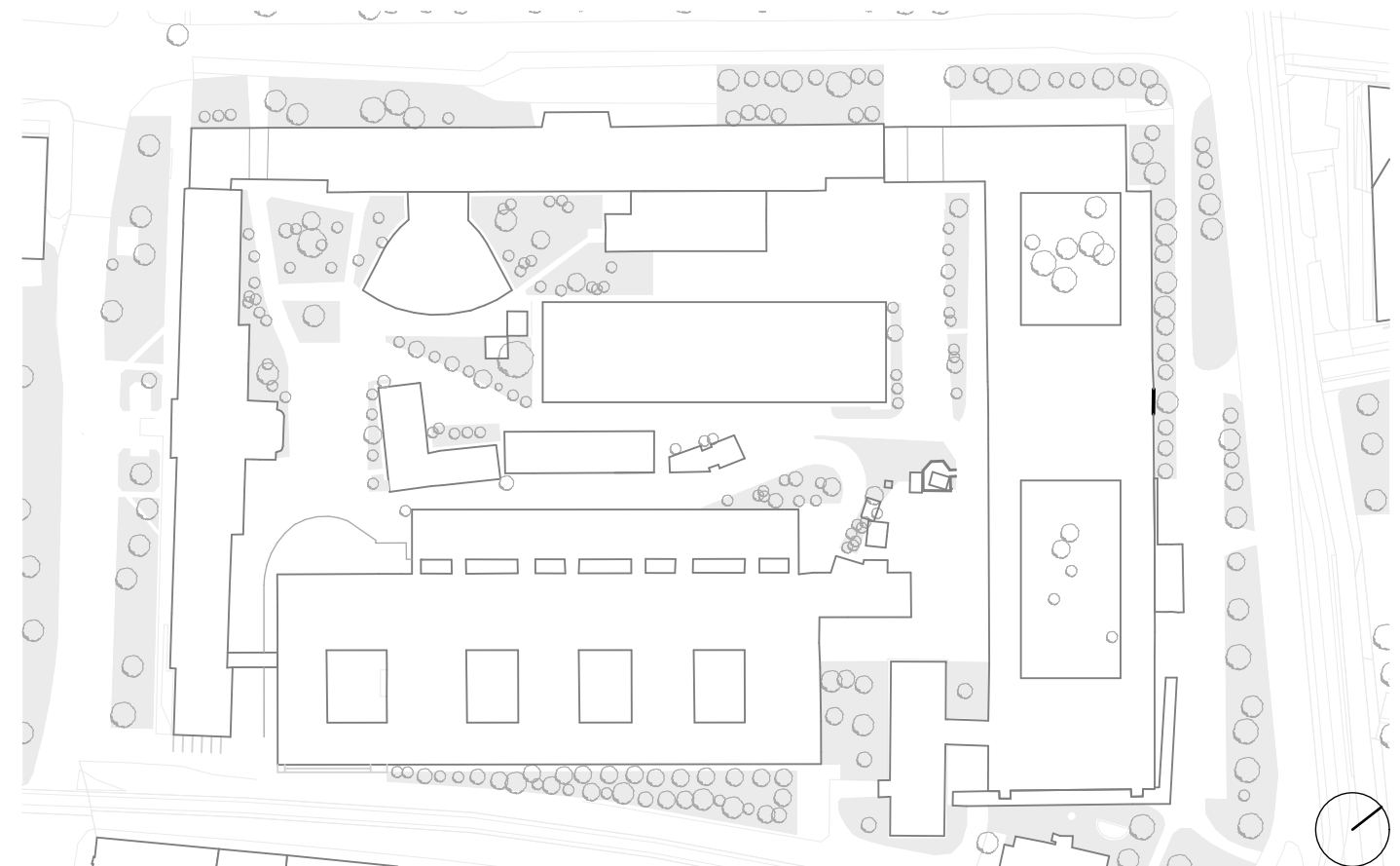
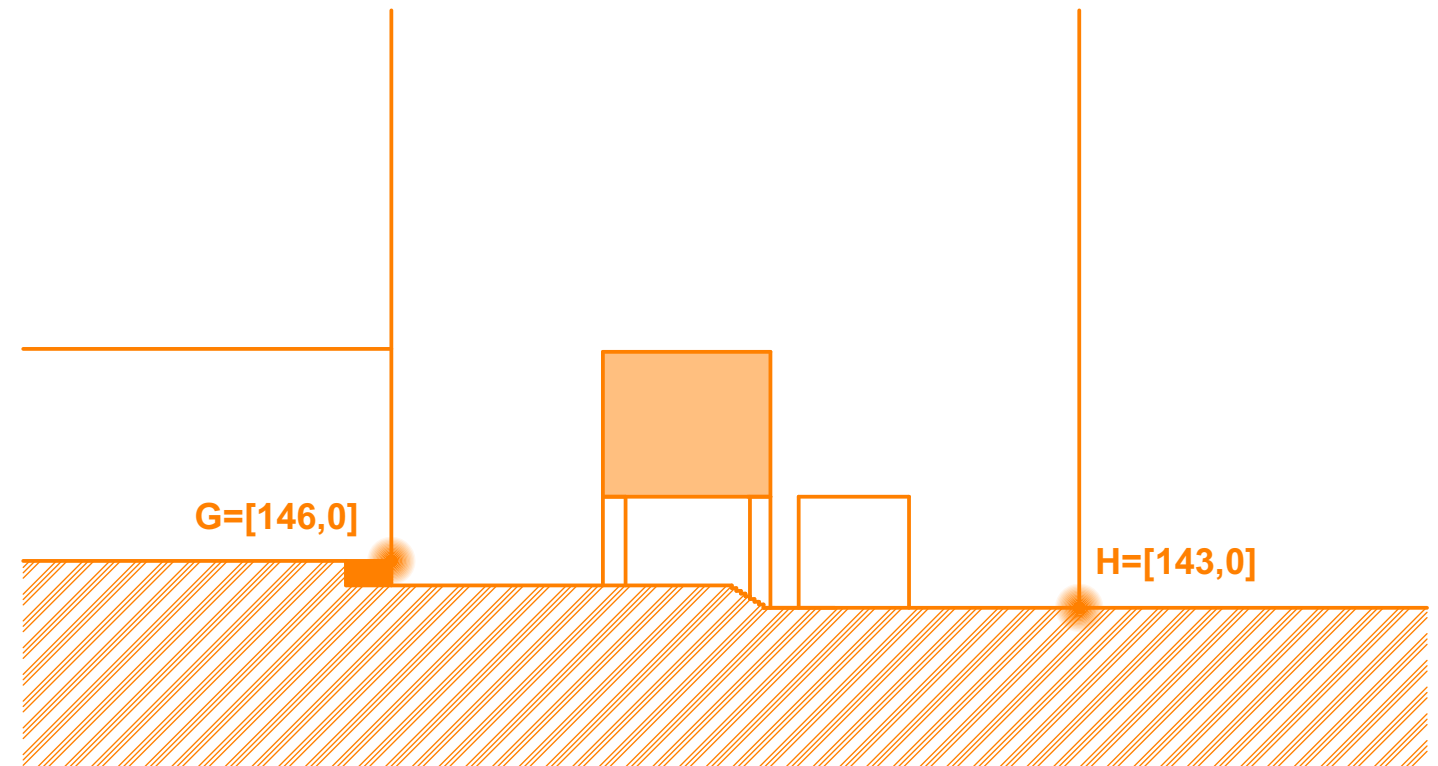
ALTITUDE LEVEL



LEGEND

- objects of Campus STU*
- altitude level*
- vegetation*

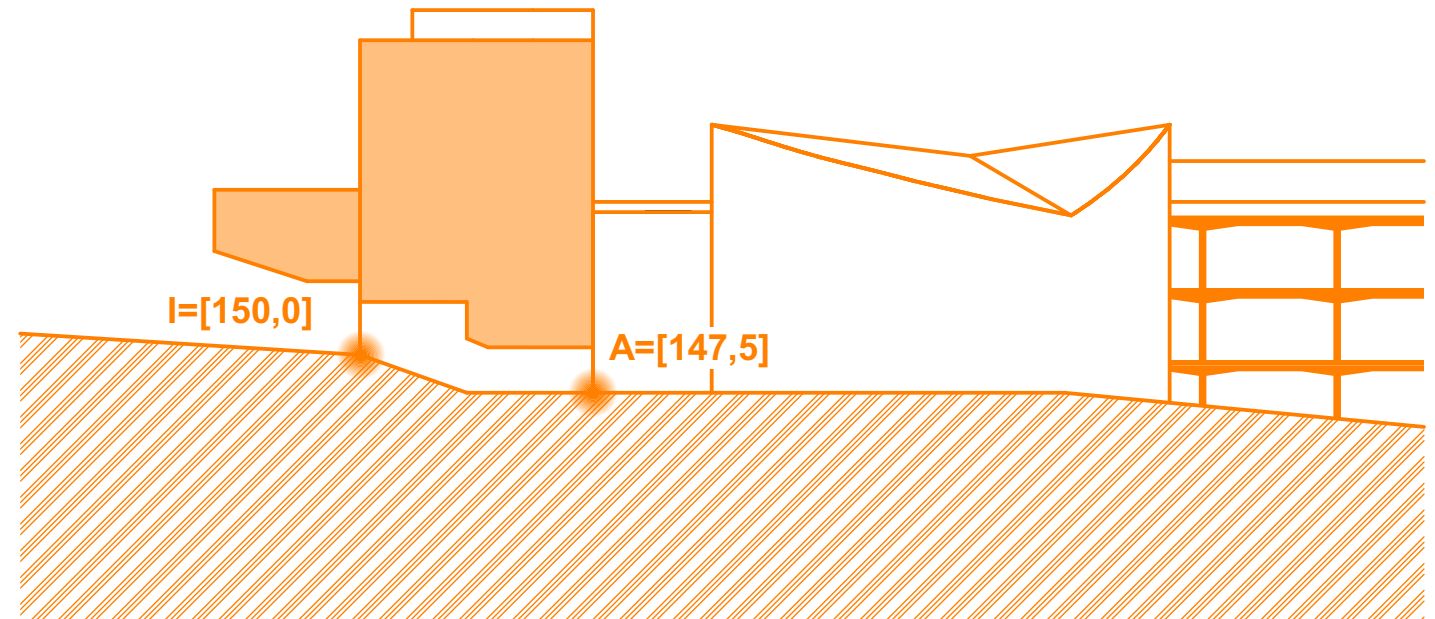
ALTITUDE LEVEL



LEGEND

- objects of Campus STU
- altitude level
- vegetation

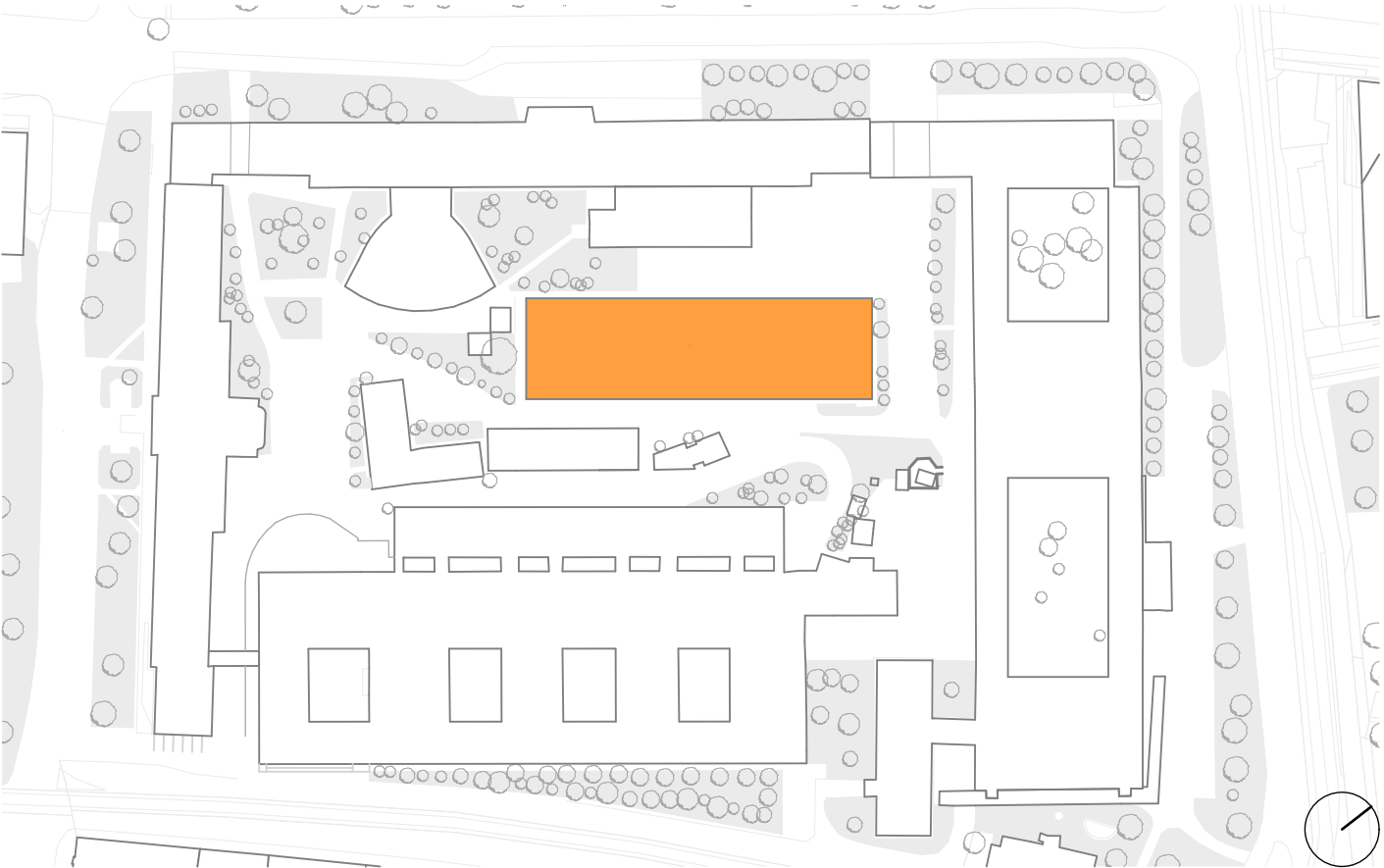
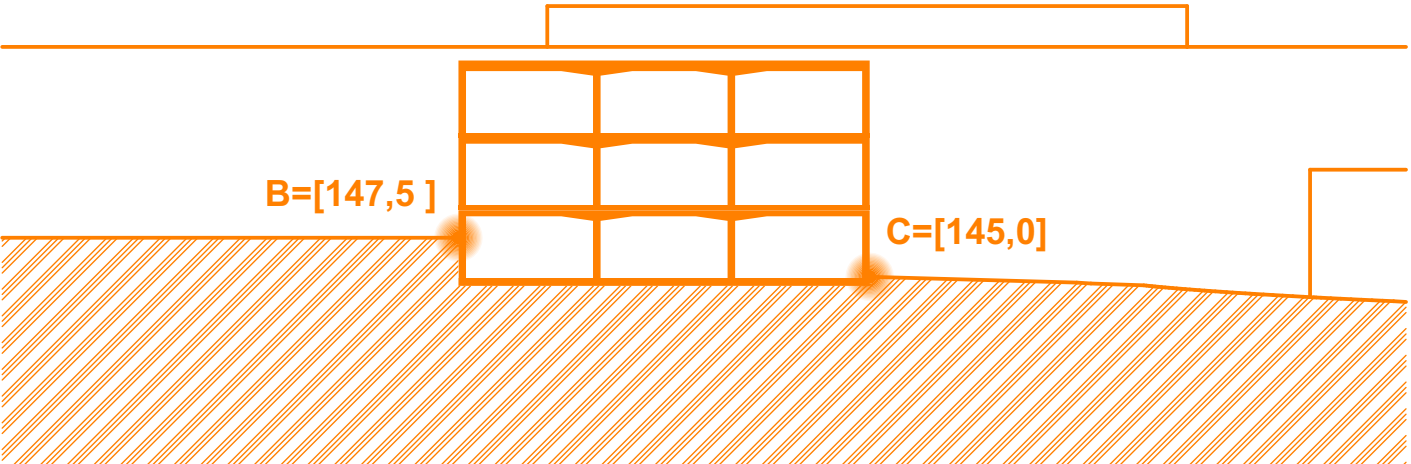
ALTITUDE LEVEL



LEGEND

- objects of Campus STU*
- altitude level*
- vegetation*

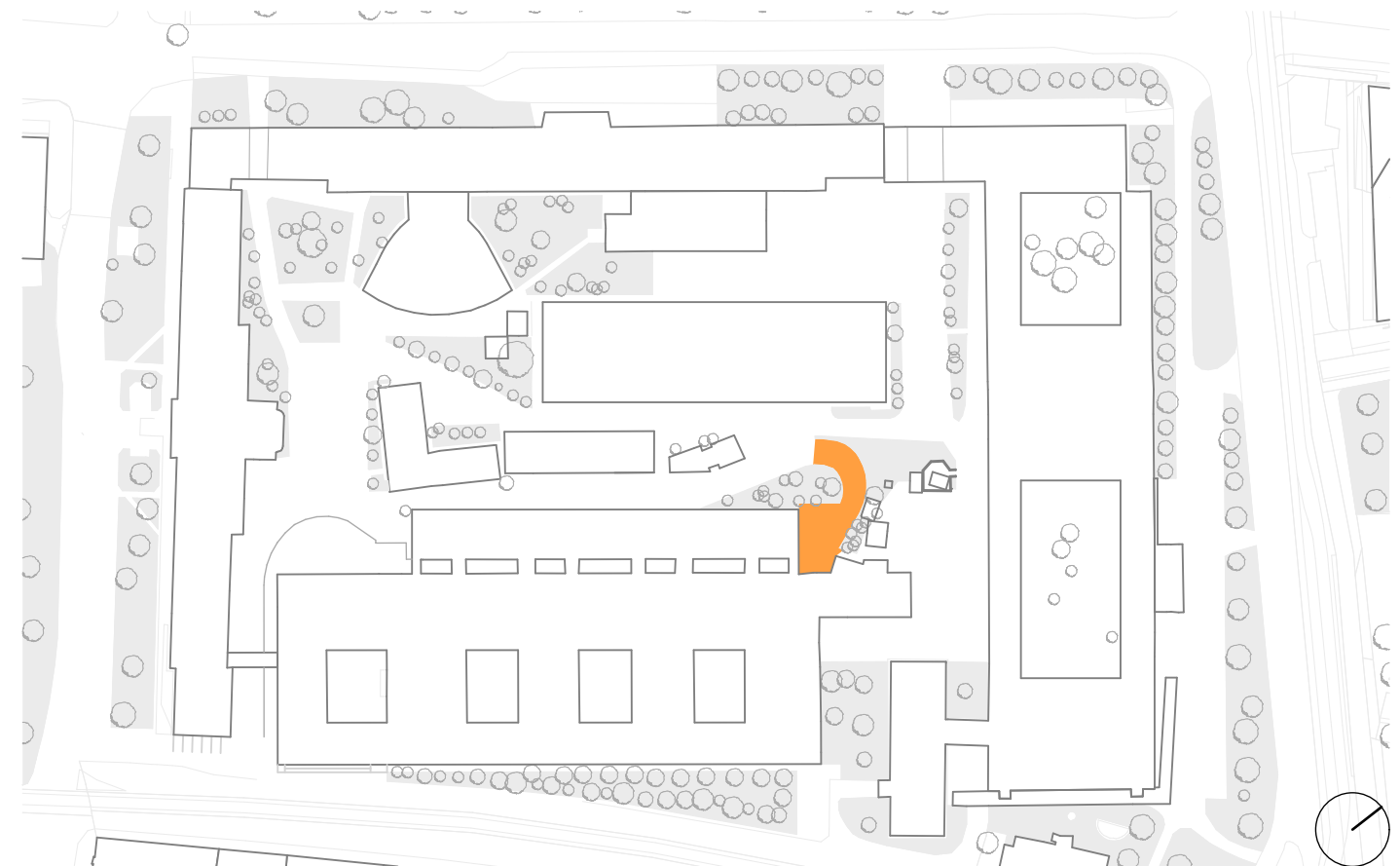
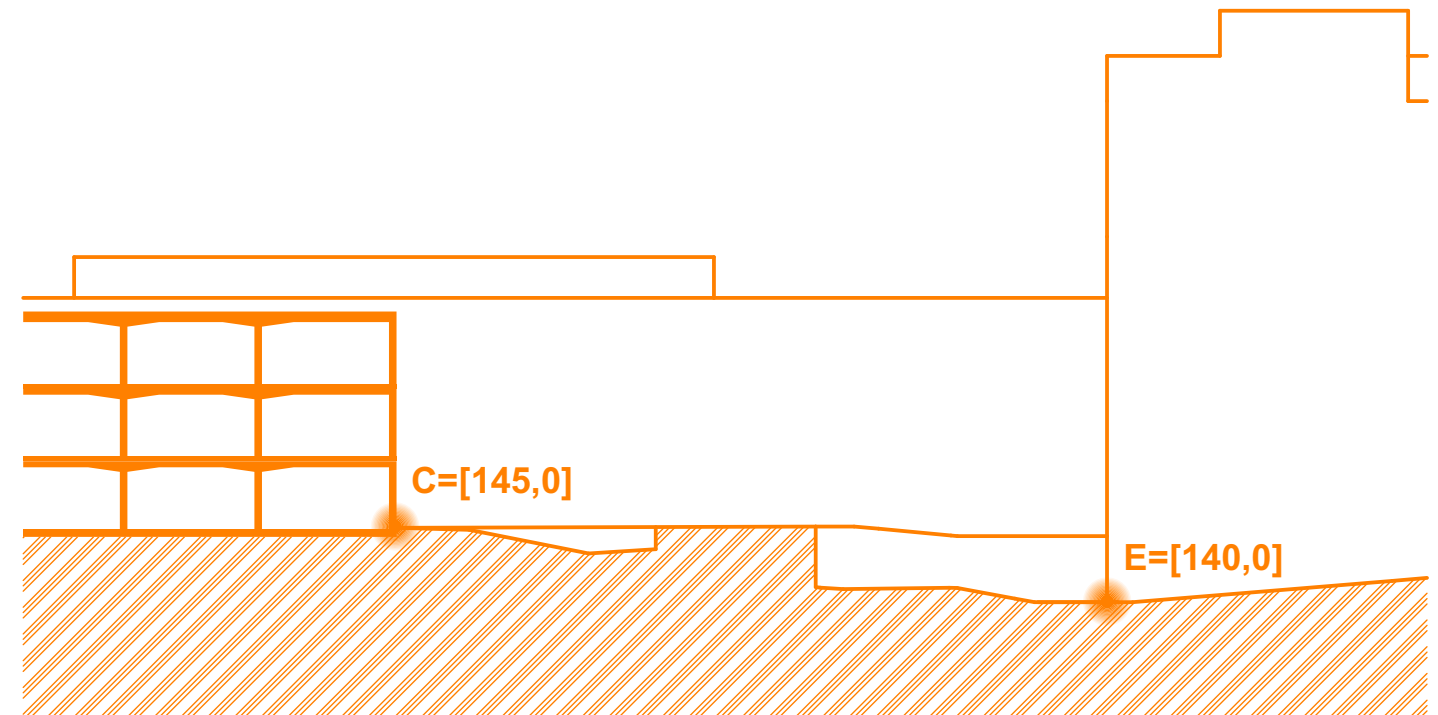
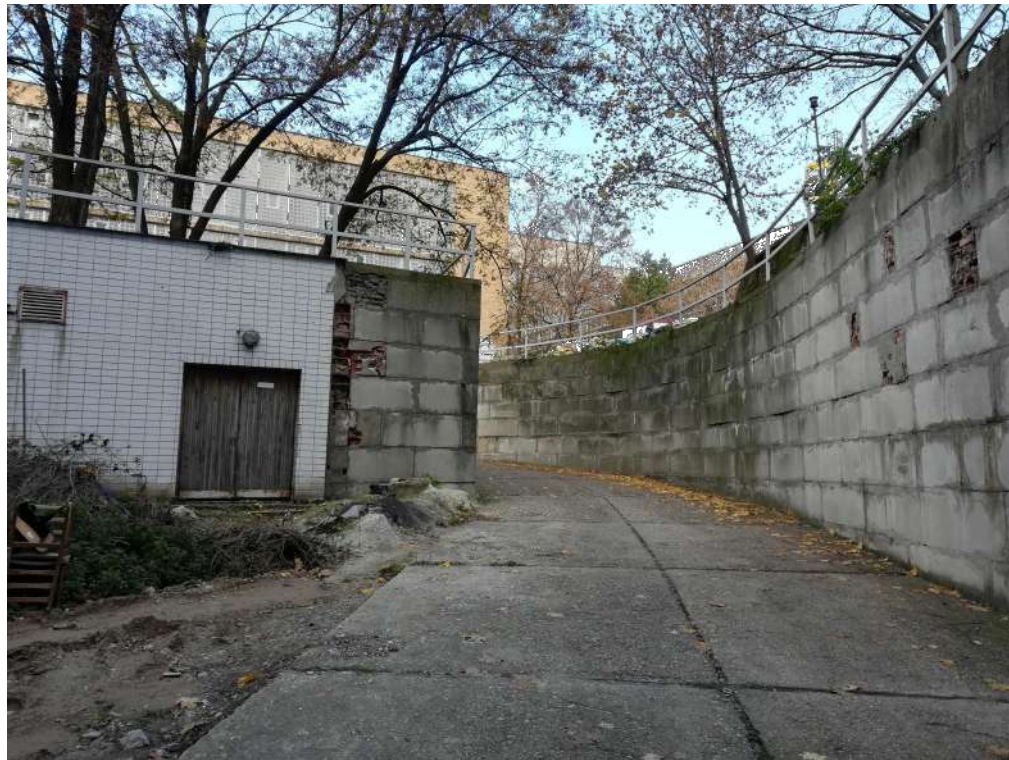
ALTITUDE LEVEL



LEGEND

- objects of Campus STU*
- altitude level*
- vegetation*

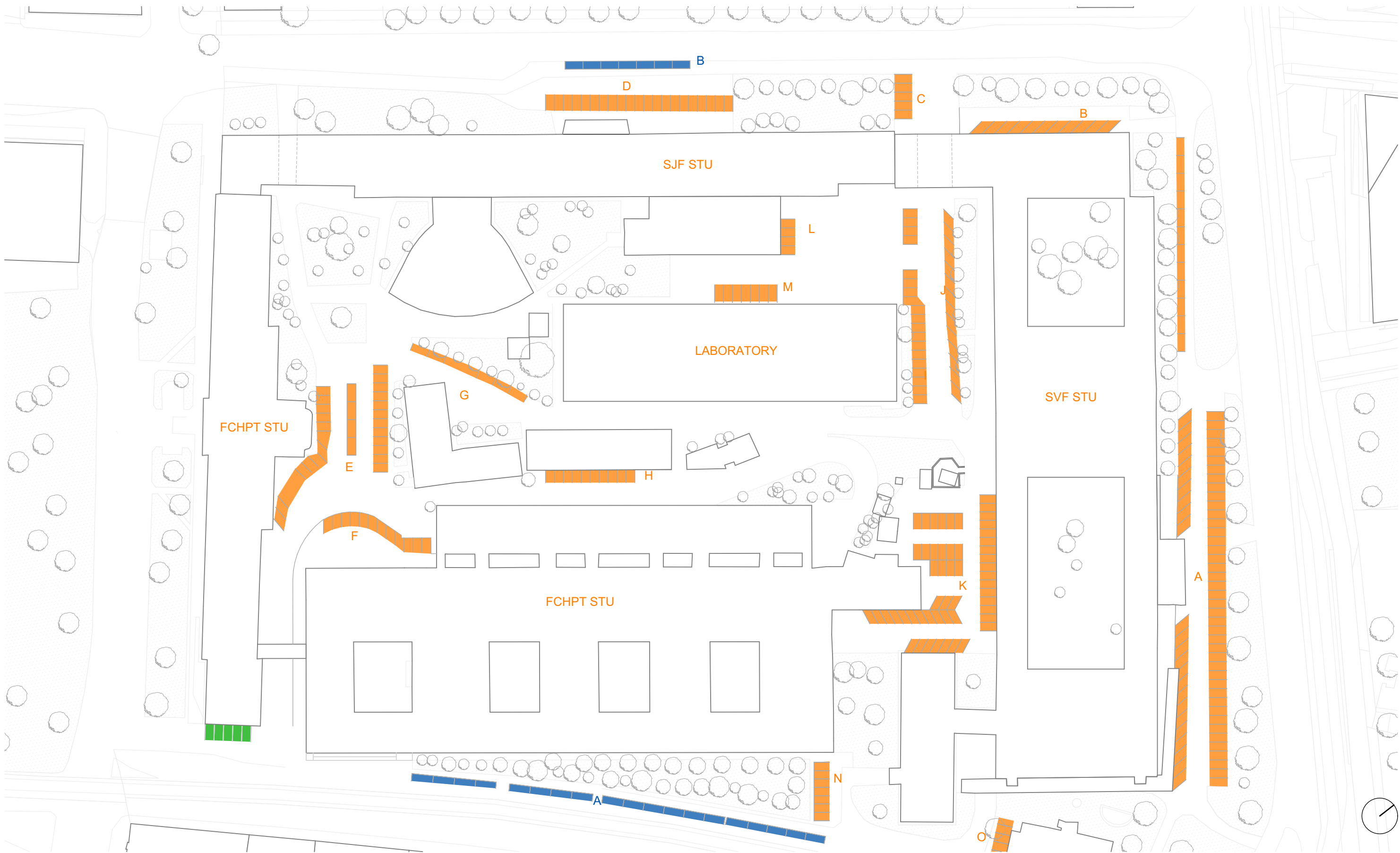
ALTITUDE LEVEL



LEGEND

- objects of Campus STU
- altitude level
- vegetation

ALTITUDE LEVEL



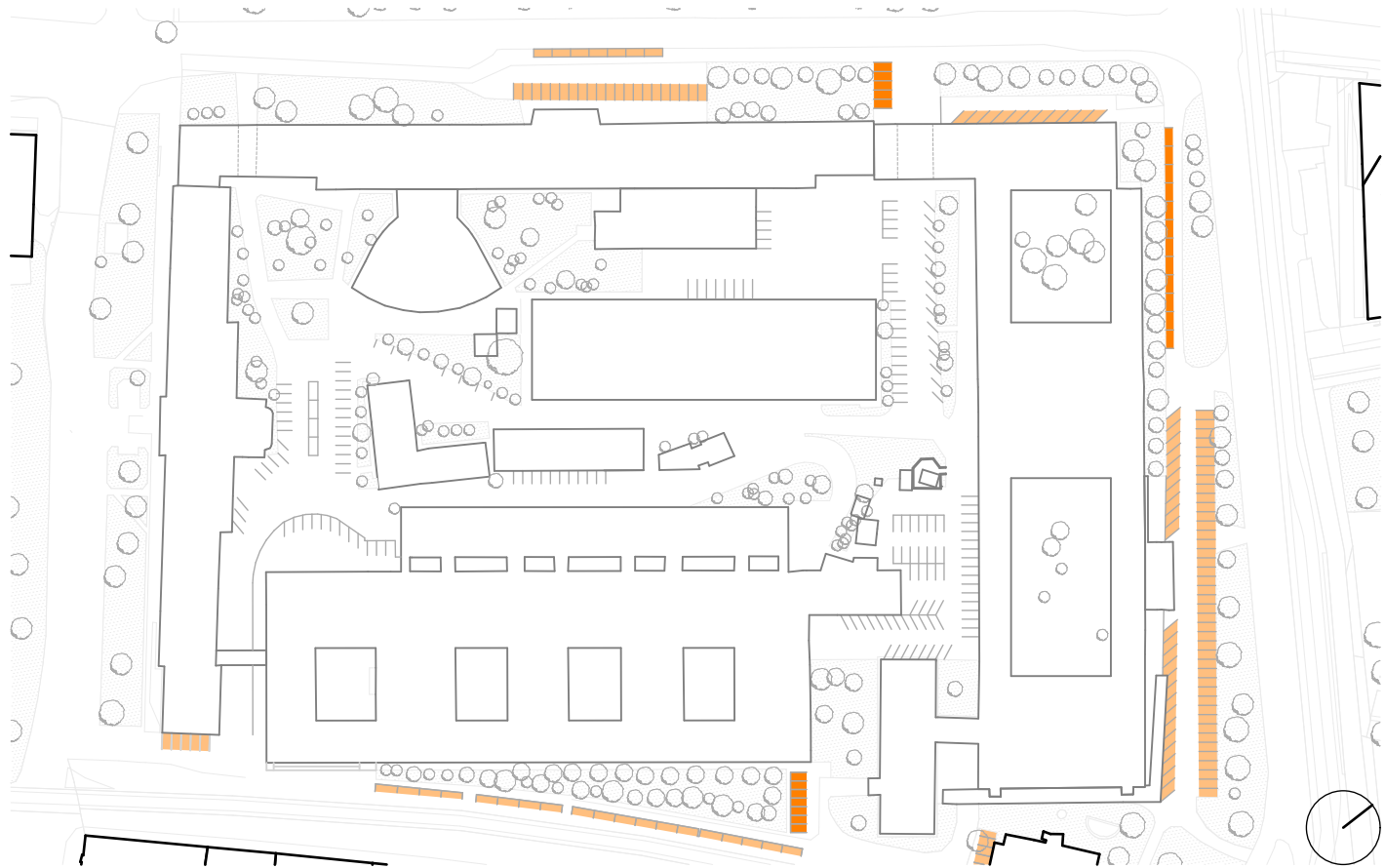
LEGEND

parking STU			public parking			private parking		
A	79 PS	F	12 PS	K	53 PS	A	5 PS	
B	12 PS	G	8 PS	L	15 PS	B		
C	5 PS	H	8 PS	M	7 PS			
D	26 PS	I	11 PS	N	9 PS			
E	41 PS	J	17 PS	O	7 PS			

approximate number = **340 PS**

SCALE 1:1000

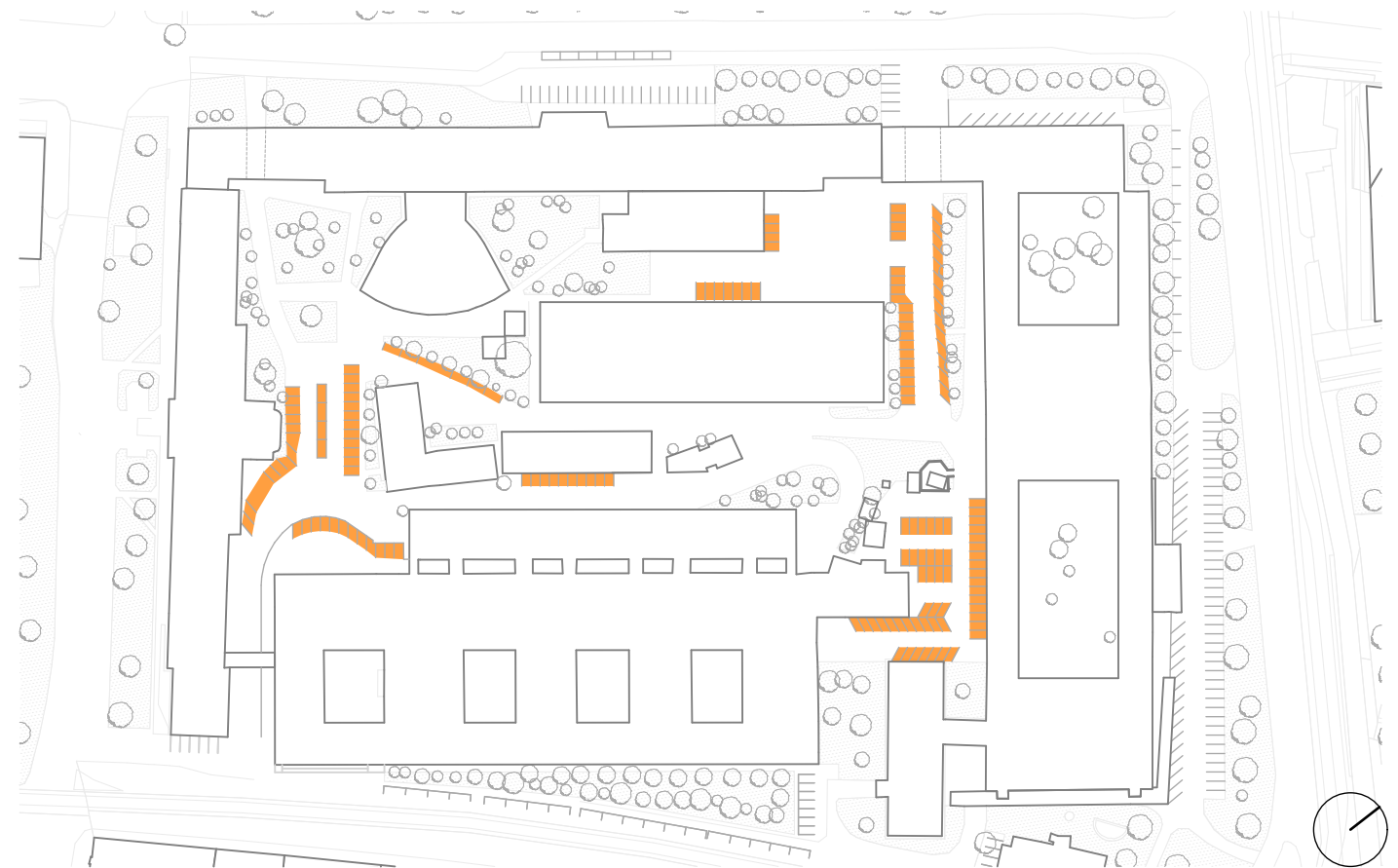
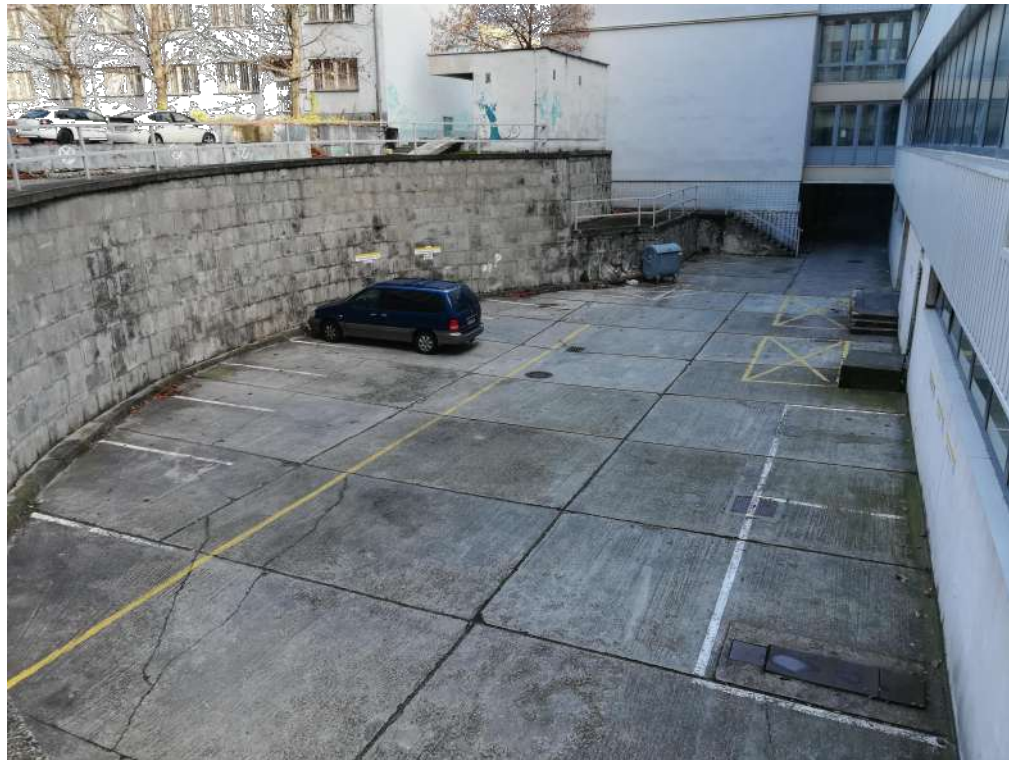
PARKING SPACES



LEGENDA

- objekty Campusu
- parkovacie miesta
- odstránenie parkovacích miest
- zeleň

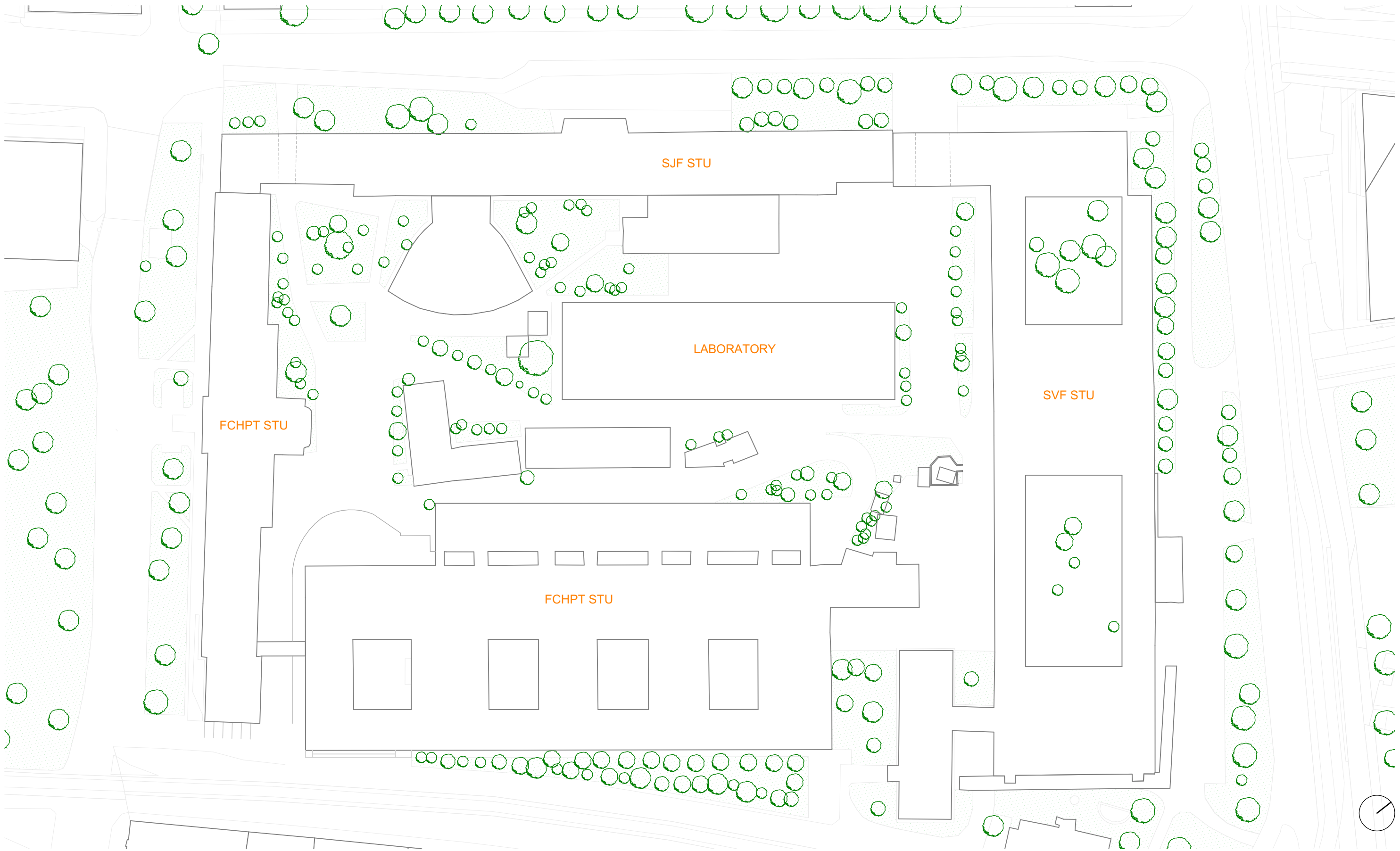
PARKING SPACES





LEGEND

- objects of Campus STU
- parking spaces
- removal of parking spaces
- vegetation

PARKING SPACES







LEGEND

-  *objects of Campus STU*
-  *vegetation*

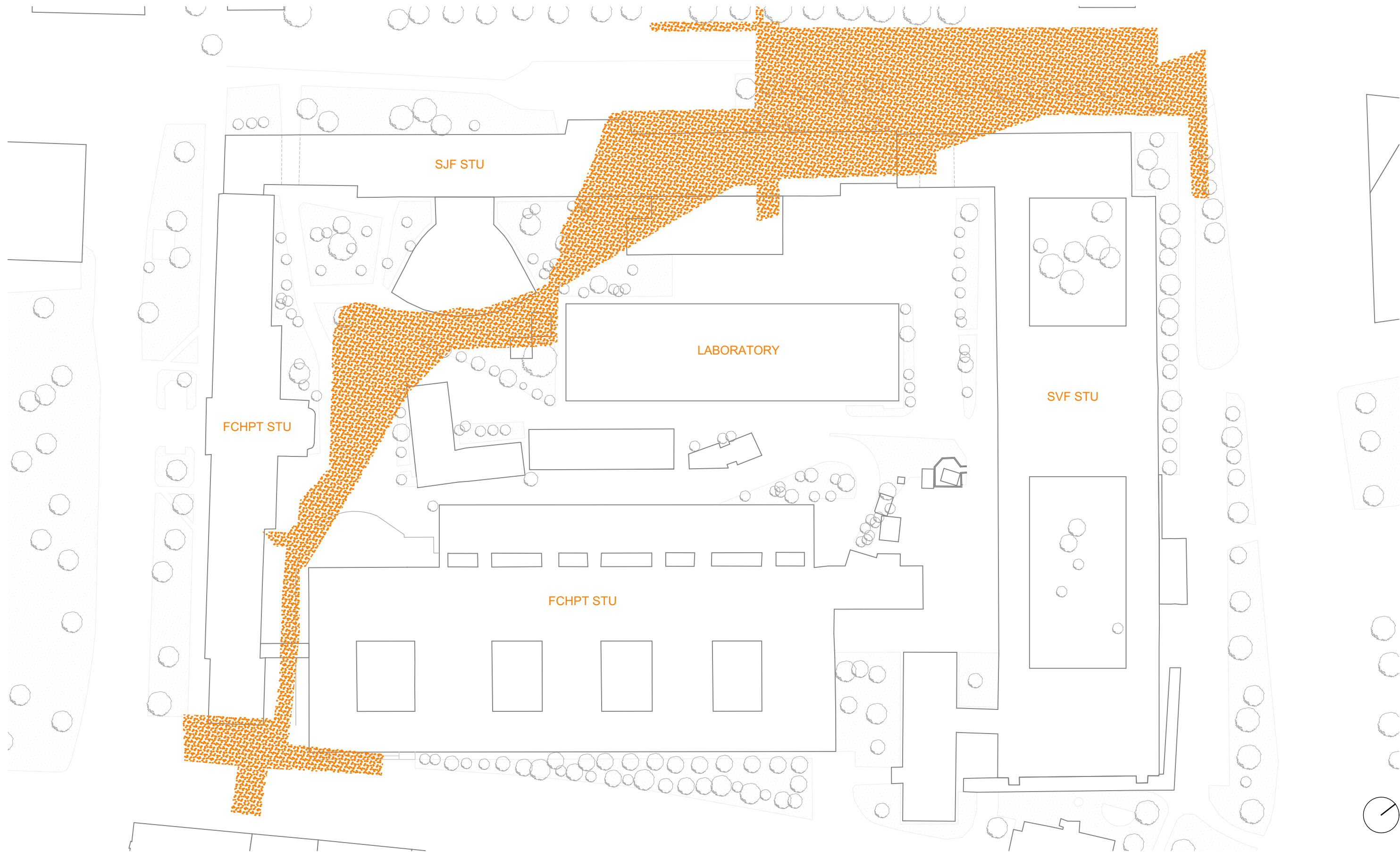
SCALE 1:1000
VEGETATION






LEGEND

-  dominant greenery in the area - keep
-  objects of Campus STU
-  grassy areas
-  trees

VEGETATION

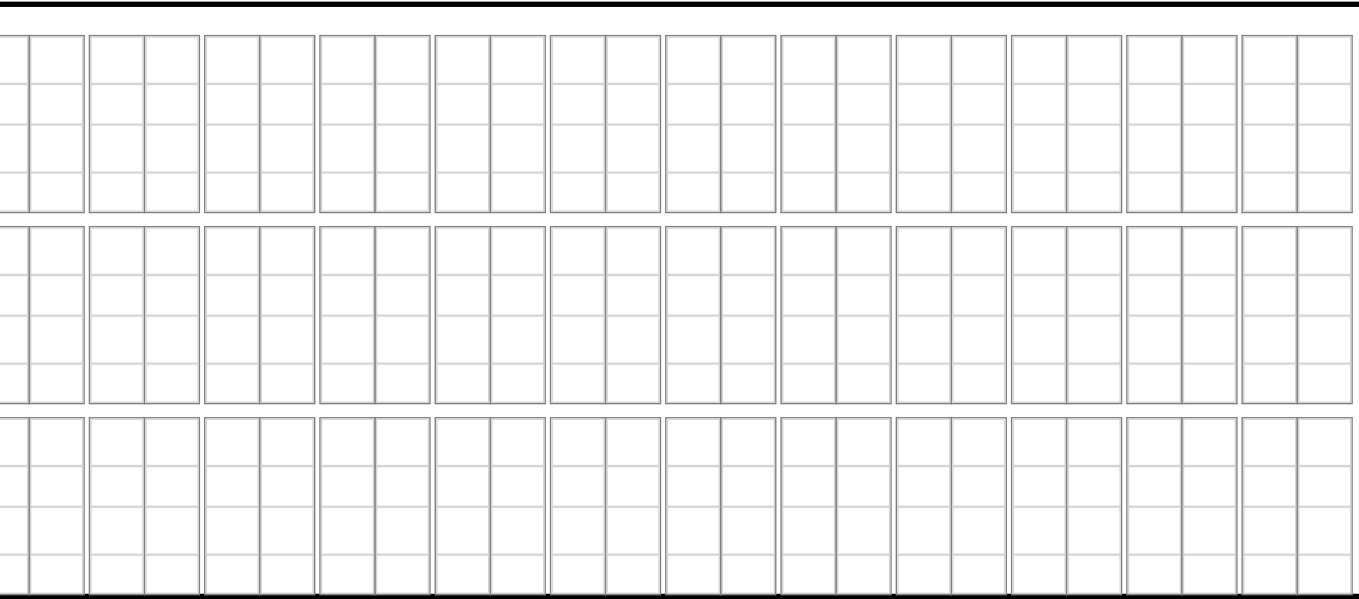


LEGEND

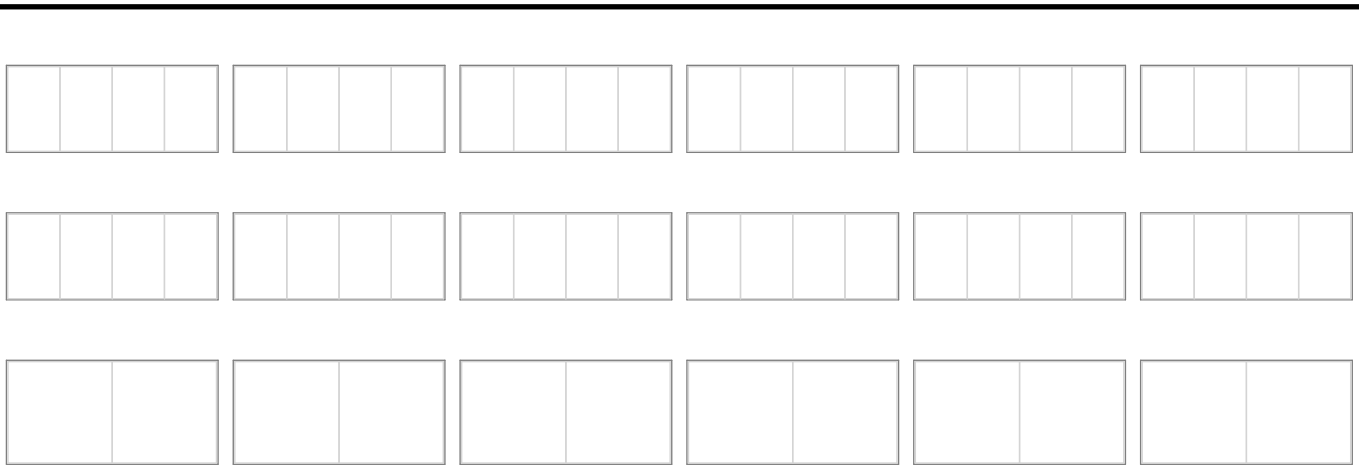
-  *objects of Campus STU*
-  *position of underground infrastructure*
-  *vegetation*

SCALE 1:1000

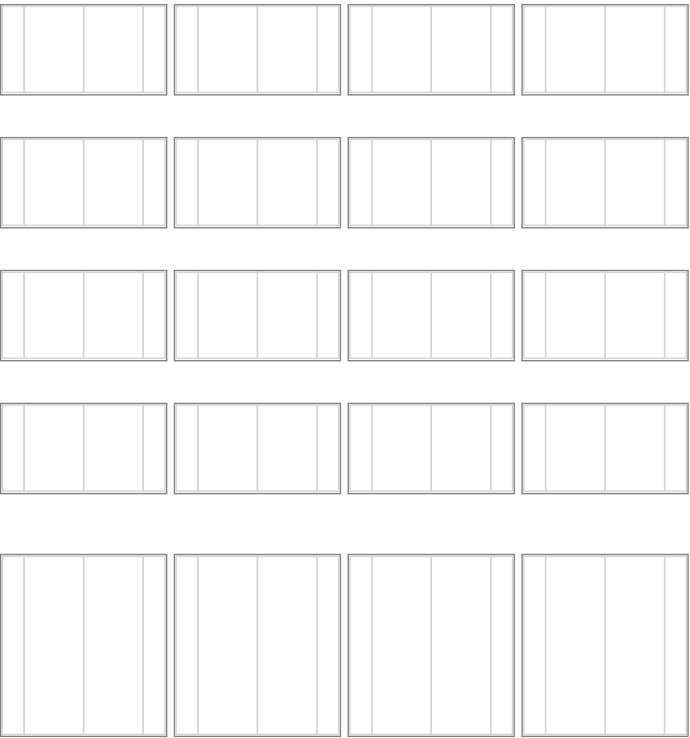
INFRASTRUCTURE



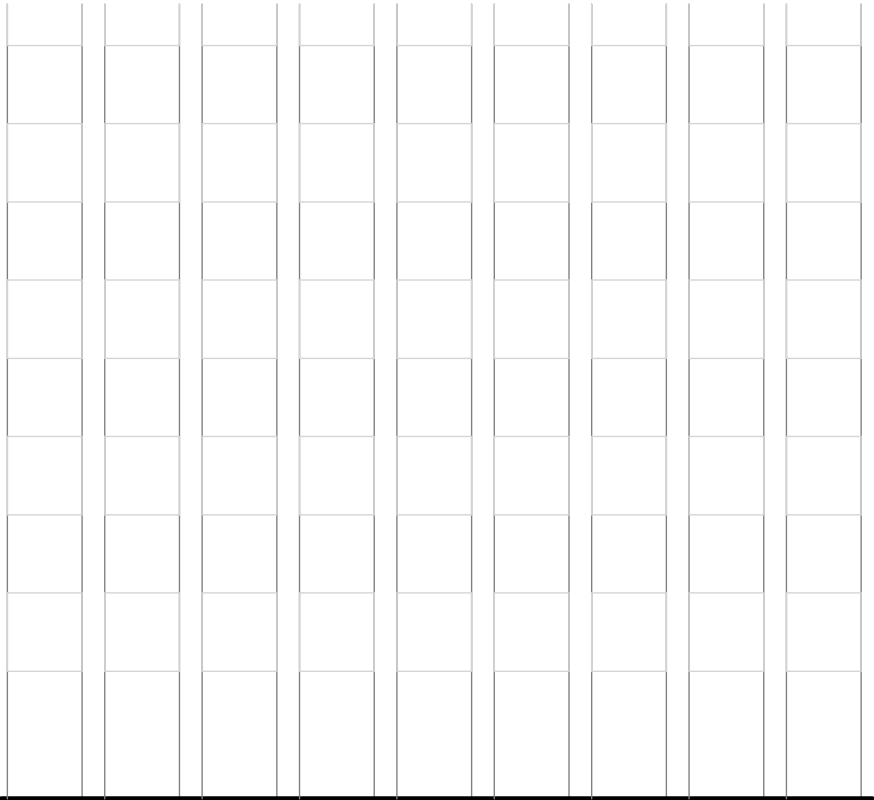
laboratory



Faculty of Civil Engineering



Faculty of Mechanical Engineering



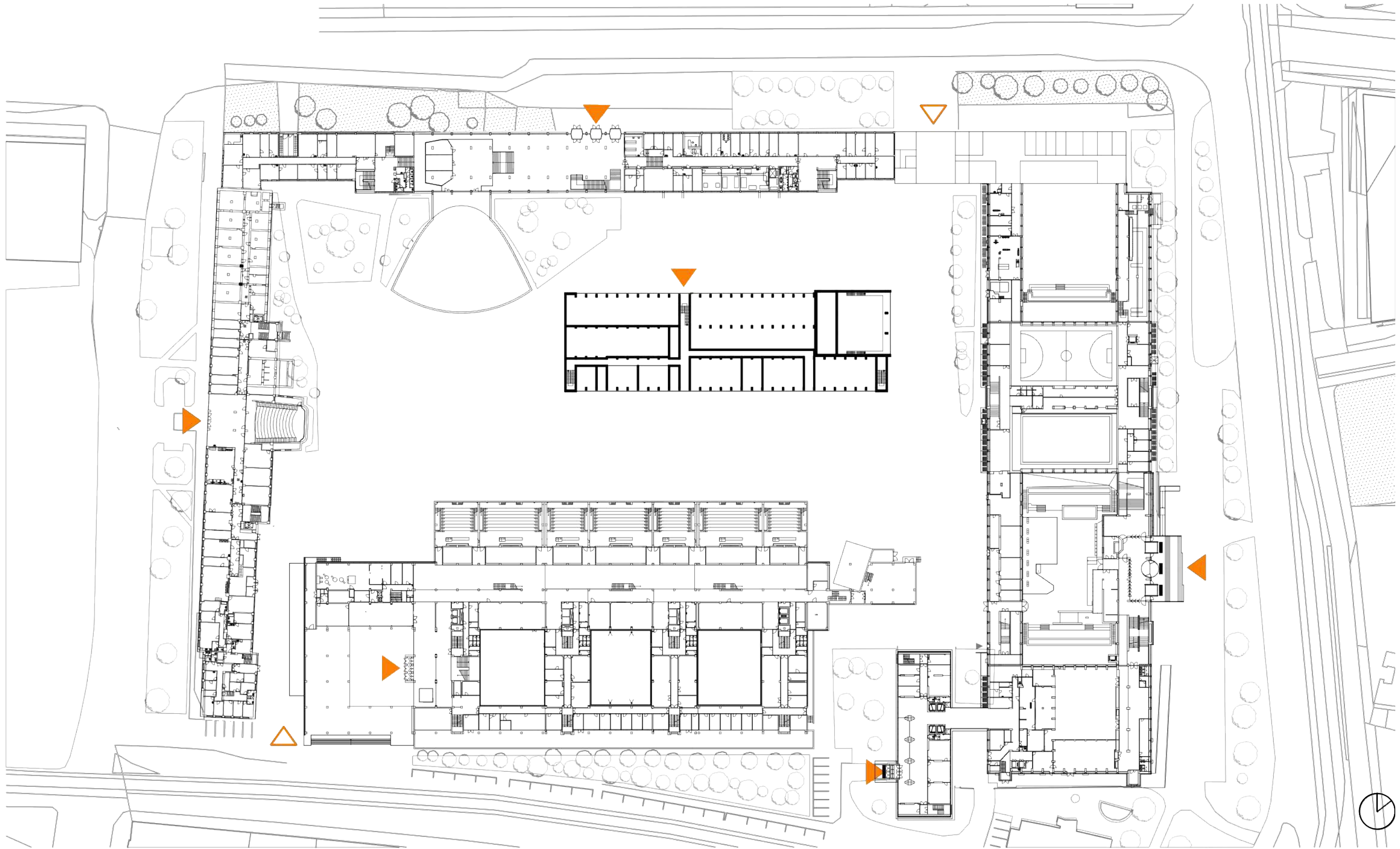
Faculty of Chemical and Food Technology



LEGEND

- raster repeating on the facade*
- uniform expression of facades*
- horizontal elements*
- vertical elements*

FACADES OF FACULTIES



LEGEND

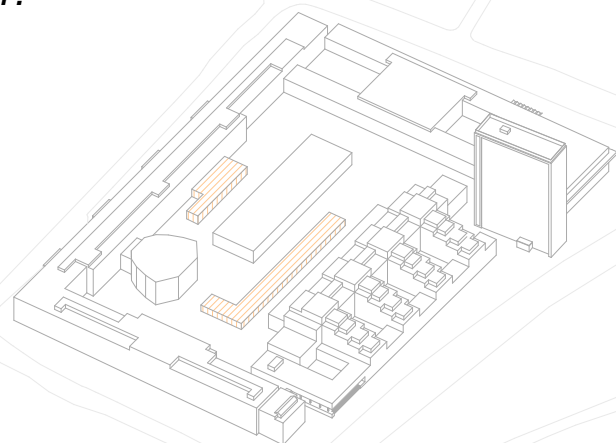
- ▲ main entrances to the building
- △ entrances to the courtyard
- objects
- ▨ vegetation

SCALE 1:1000

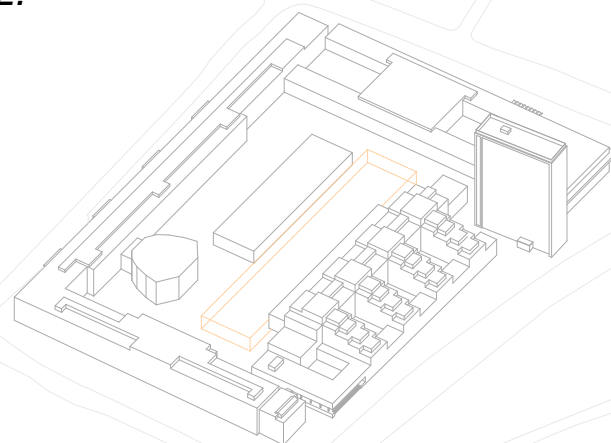
SITE PLAN

NEIGHBOURHOOD CONTEXT
SITE ANALYSIS
ARCHITECTURE

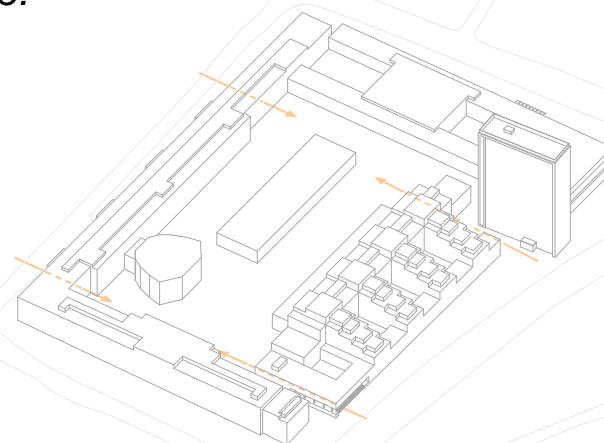
1.



2.



3.



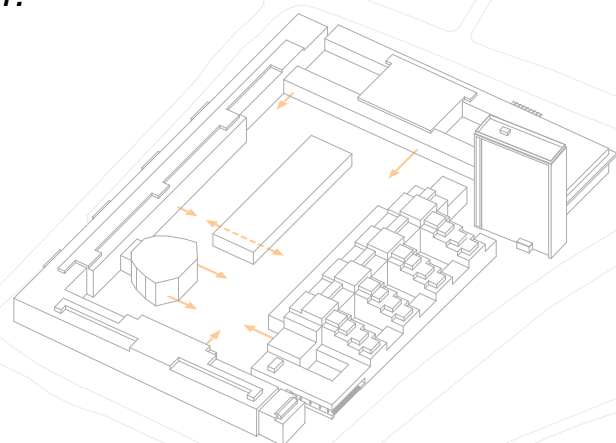
1_I was inspired by concept of arch. Kusý, who designed three buildings for the Faculty of Mechanical Engineering (main building, Aula Maxima and the building of laboratories). Other buildings located in the courtyard were built during the construction of other faculties. In the first step, the mentioned buildings in the courtyard were demolished and heavy laboratories were left.

2_In the second step, I removed parking in the courtyard and moved it to underground garage.

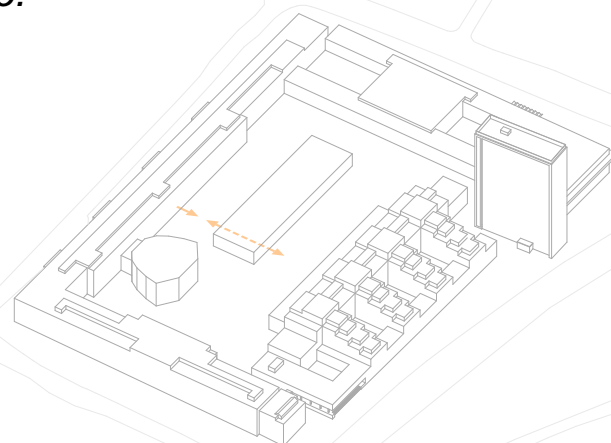
3_In the third step, all passages were re-opened. Thanks to this, the courtyard of Campus STU is connected with the surrounding city.

4_In the fourth step, all exits from the buildings were opened. Thanks to this all faculties is connected with courtyard.

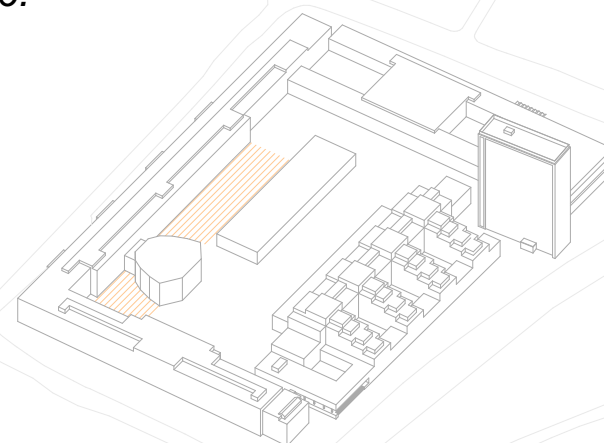
4.



5.



6.



5_The bulding of heavy laboratory was transformed into the Innovation Center of STU. The main entrance to the building was designed on the axis with a newly designed exit from the lobby of the Faculty of Mechanical Engineering. The main entrance of Innovation center is located on the 1st floor, the second entrance is oriented on the same axis on the 2nd floor. Thanks to the second entrance, the Faculty of Mechanical Engineering was connected with the Innovation Center.

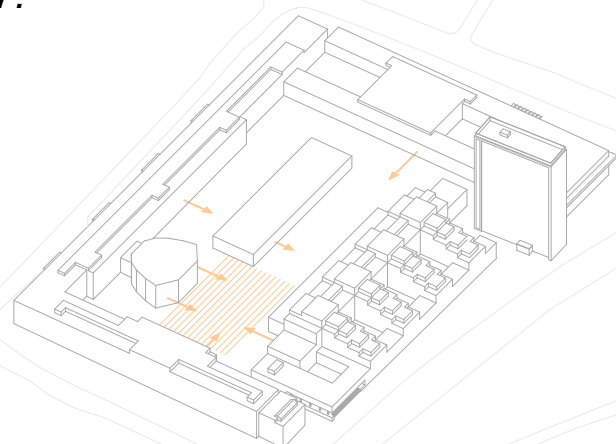
6_Original area of greenery is located in the northwestern part of the courtyard. This part is left as space for relax and education in the exterior.

7_An assembly space is created in front of the Aula Maxima. This space is oriented to the imaginary axis of exits from buildings. This space can be use for presentations, exhibitions or meetings.

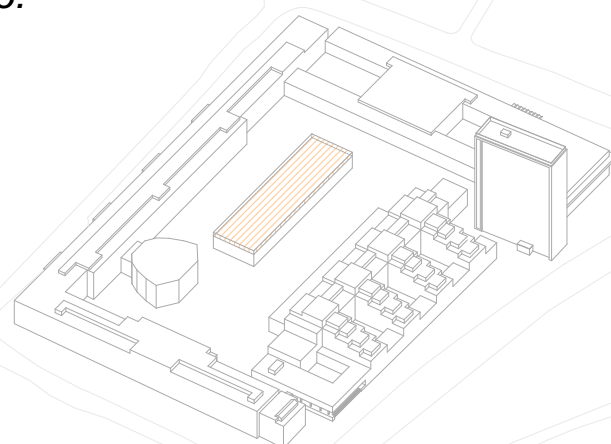
8_Because of the local program and its capacities, a new fourth floor was built.

9_The 4th floor was released in its southwestern part to create an open roof terrace for students. By releasing this mass I tried to retreat the Maxim Auls to not come to a negative visual offset between Innovation center and Aula Maxima.

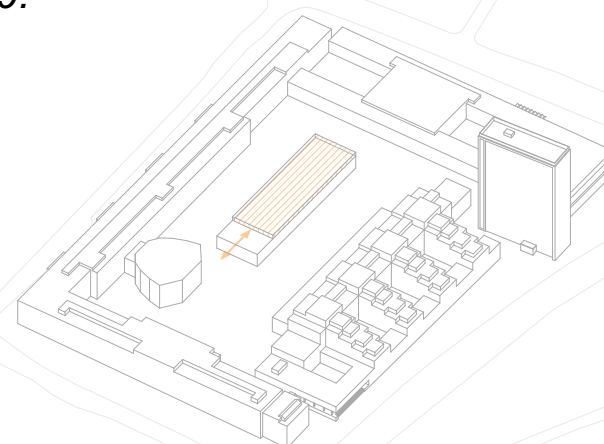
7.

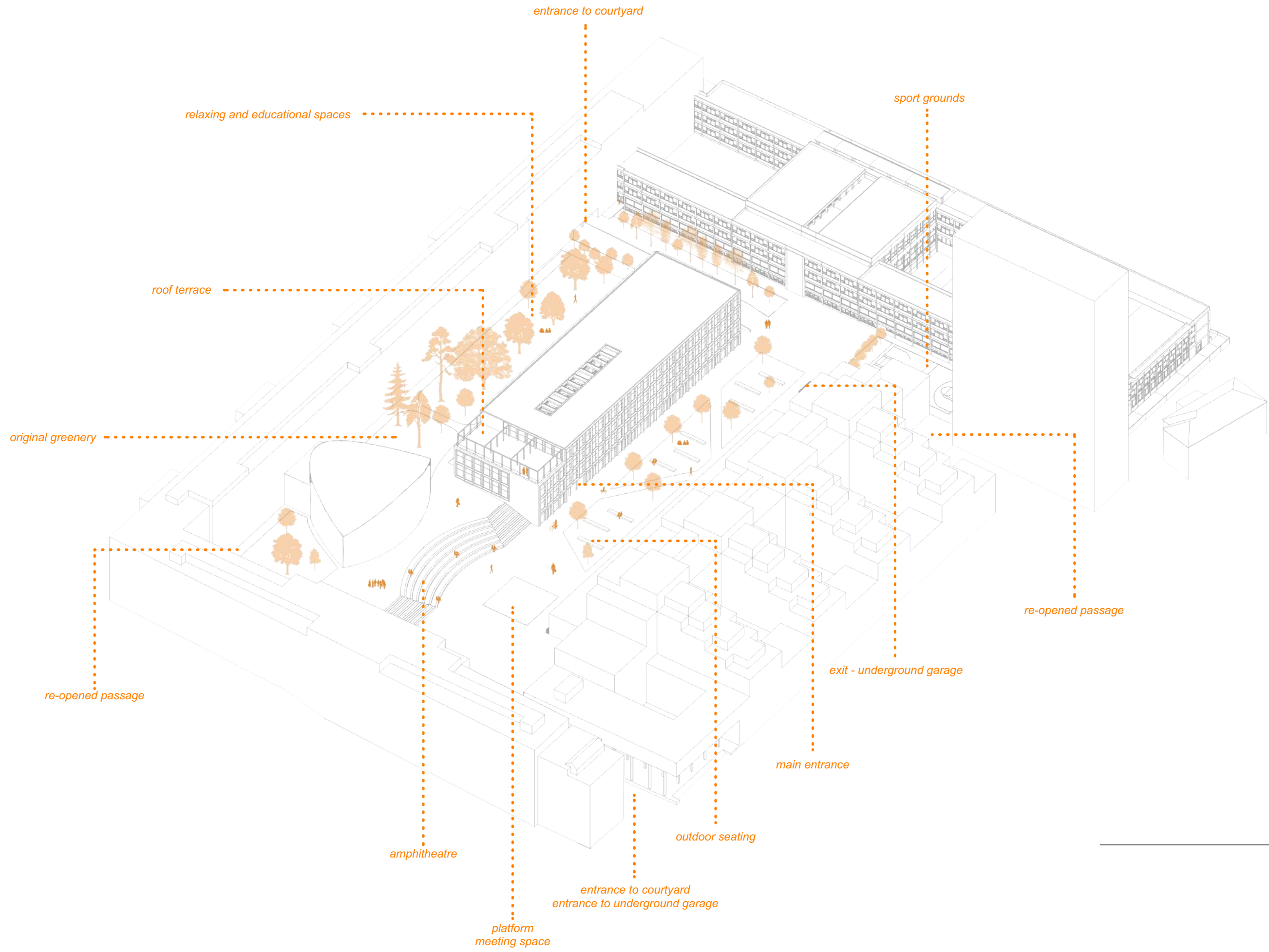


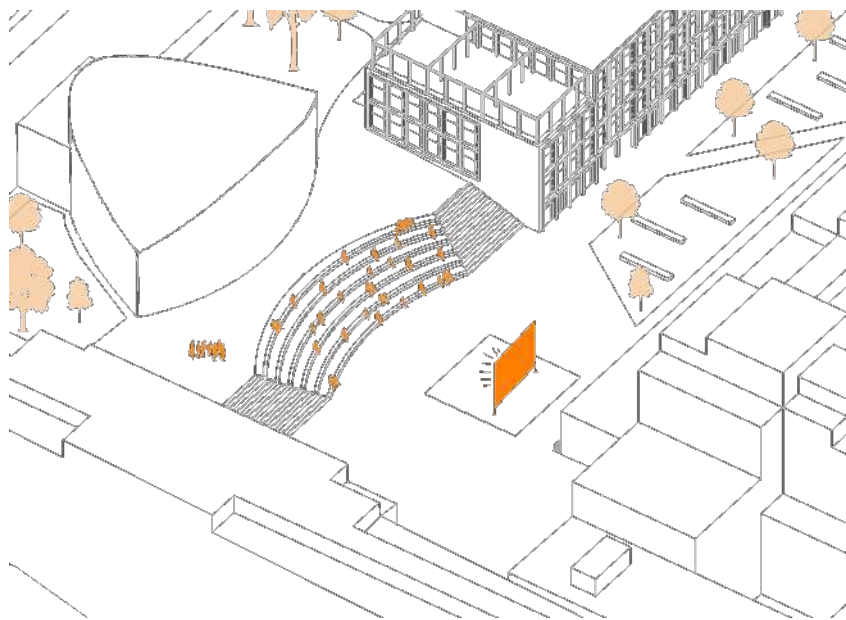
8.



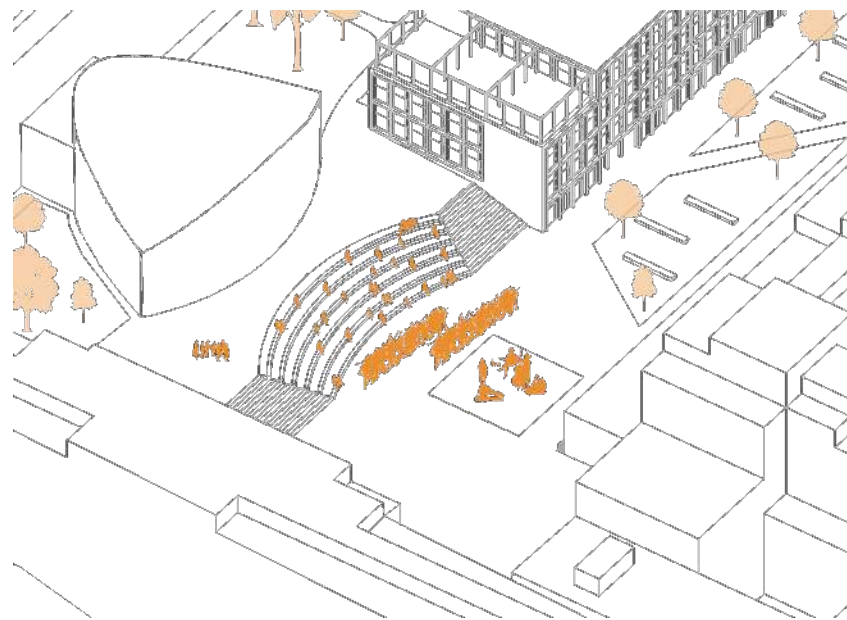
9.



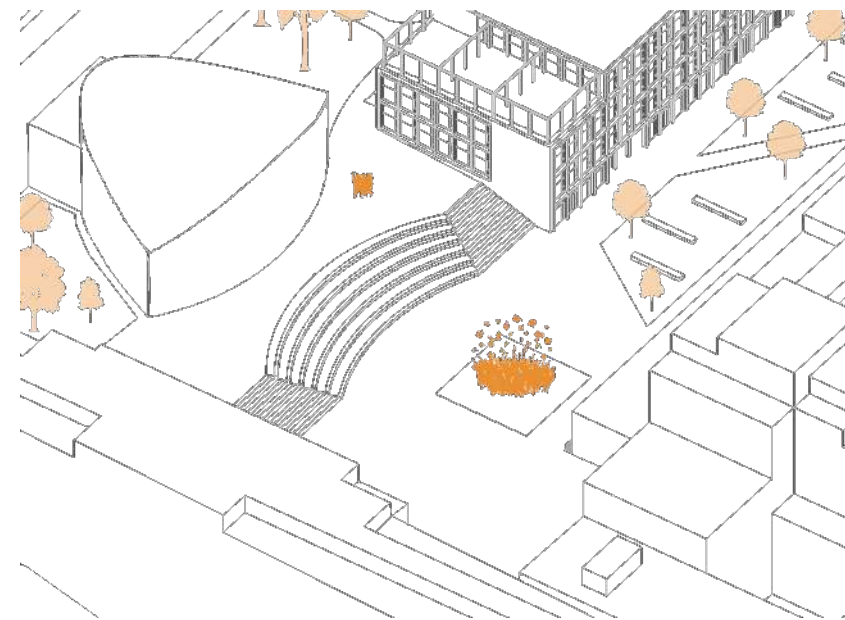




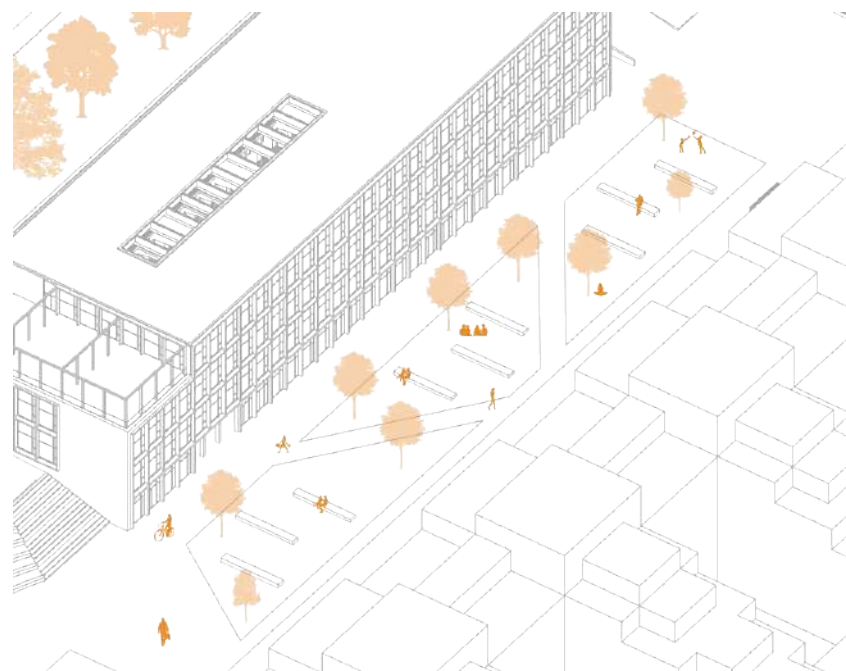
cinema, outdoor classes



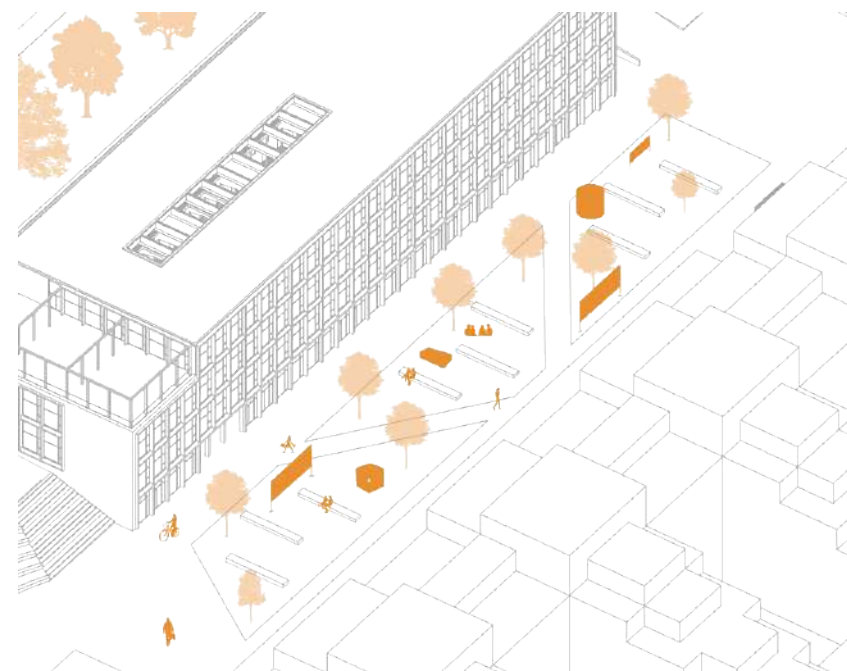
concerts



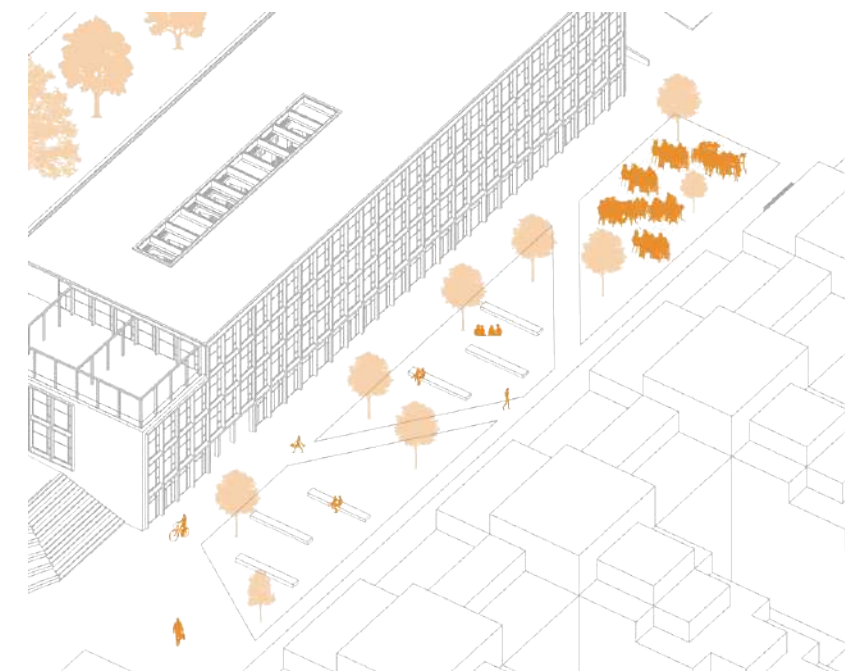
graduation



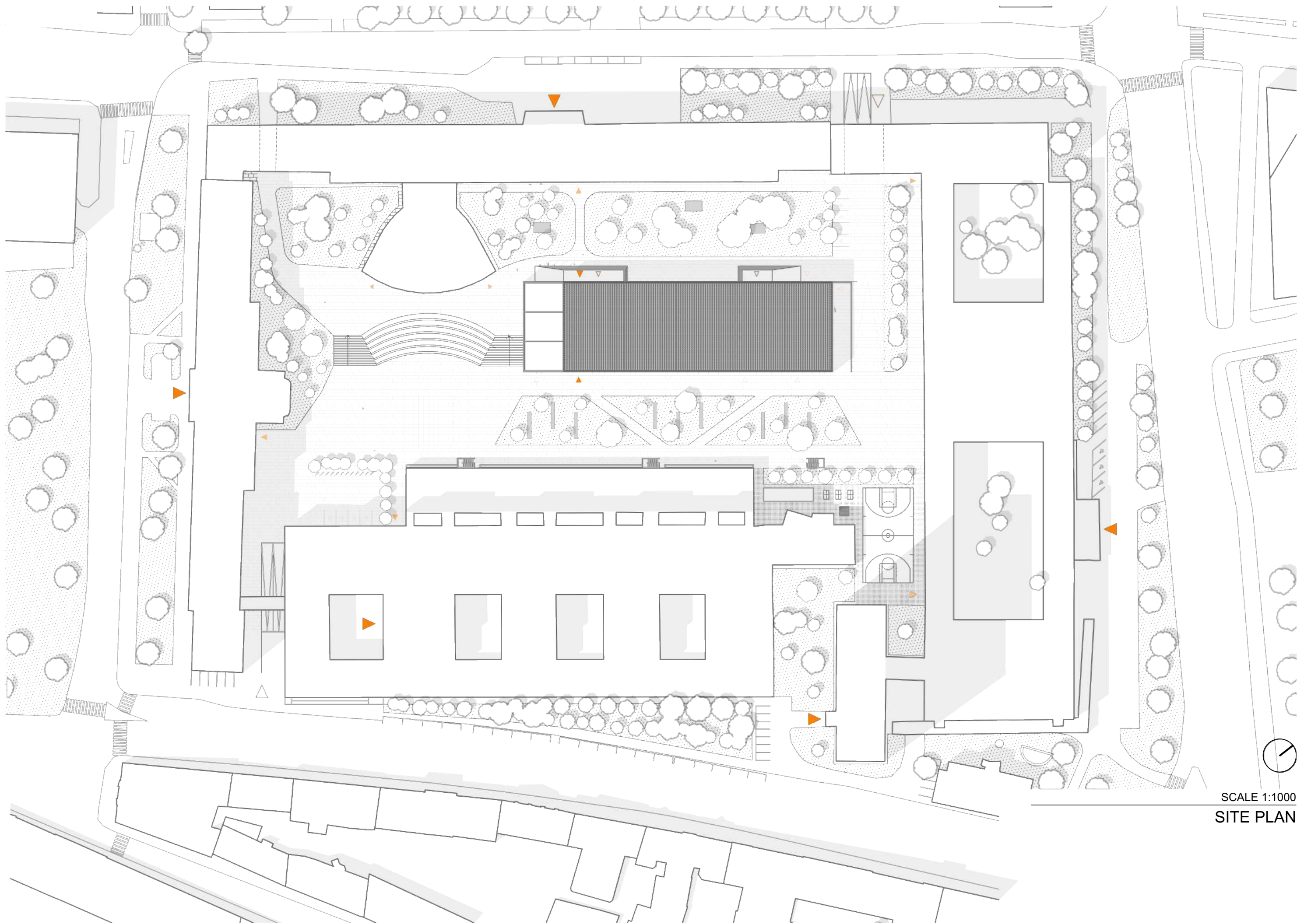
outdoor seating



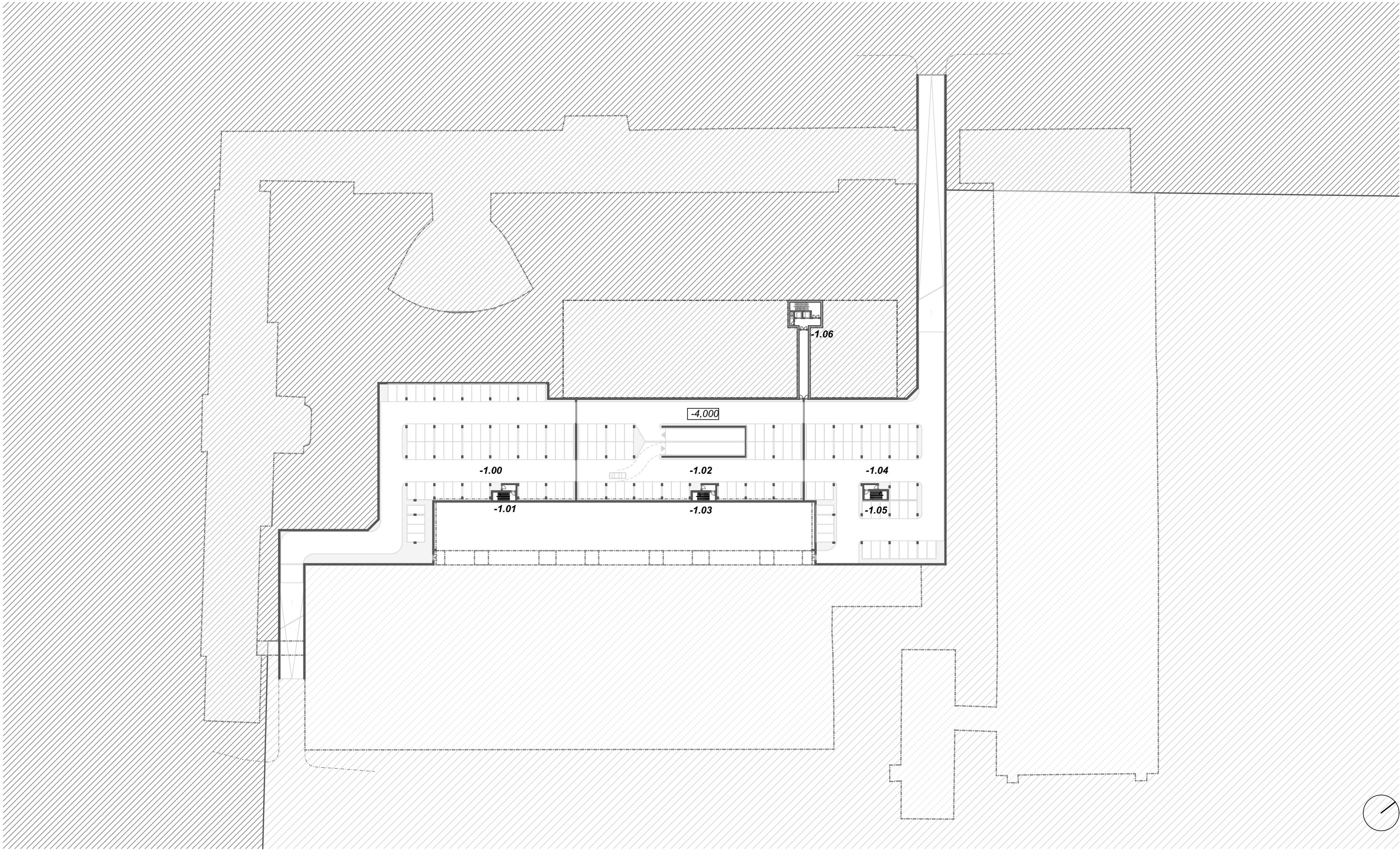
exhibition spaces



outdoor canteen



SCALE 1:1000
SITE PLAN



ROOM SCHEDULE

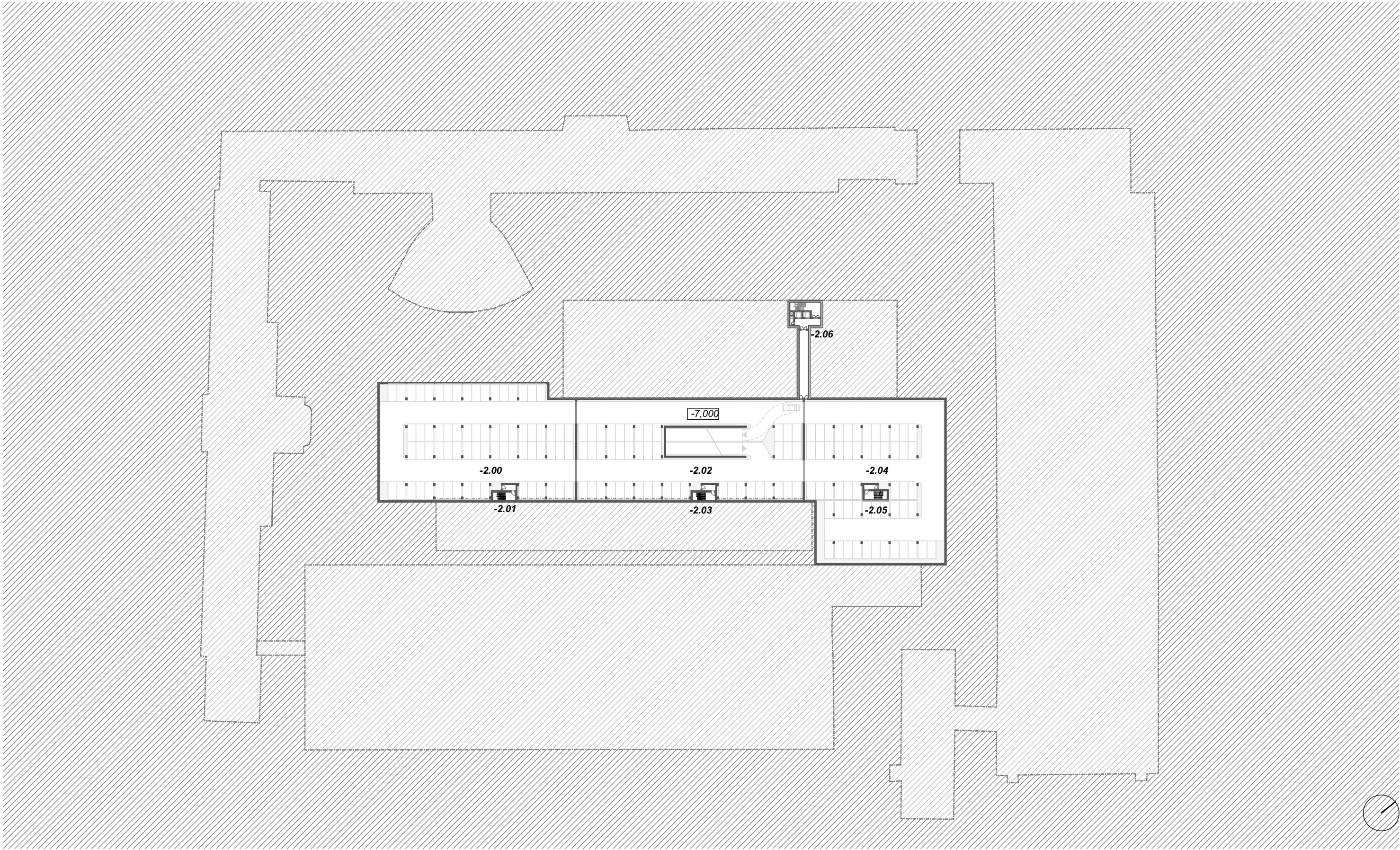
		<i>m²</i>
-1.00	garages	2 258,69
-1.01	staircase to courtyard	23,50
-1.02	garages	1 749,41
-1.03	staircase + lift to courtyard	43,32
-1.04	garages	1 865,39
-1.05	staircase to courtyard	22,20

-1.06 tunnel

110,27
6 072,78

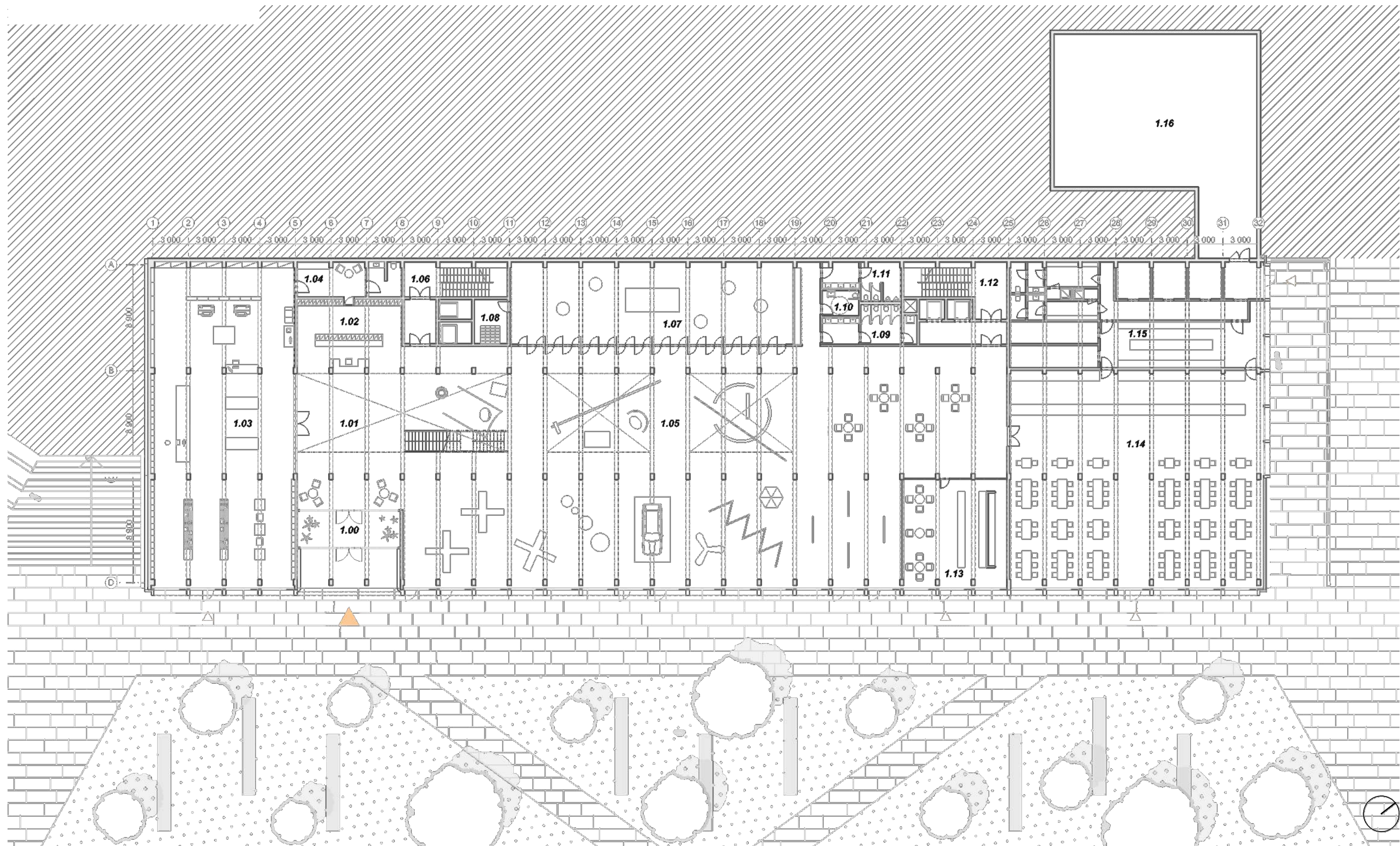
SCALE 1:1000

-1. GARAGES



ROOM SCHEDULE		m²			
-2.00	garage	1 734,82	-2.06	tunnel	110,27
-2.01	staircase to courtyard	23,50	5 402,91		
-2.02	garage	1 749,41			
-2.03	staircase + lift to courtyard	43,32			
-2.04	garage	1 719,39			
-2.05	staircase to courtyard	22,20			

SCALE 1:1000
-2. GARAGES



ROOM SCHEDULE

m²

1.00	entrance	26,53	1.07	multipurpose space	165,41	1.14	canteen	381,74
1.01	foyer	119,63	1.08	storage	10,50	1.15	canteen background	186,69
1.02	locker room	34,76	1.09	women's toilets	18,50	1.16	technical background	250,50
1.03	bookshop, stationery shop, print	327,12	1.10	wheelchair toilets	6,67			2 689,02
1.04	background for shop	25,91	1.11	men's toilet	18,52			
1.05	presentation center/exhibition hall	958,43	1.12	storage	44,85			
1.06	staircase	35,83	1.13	buffet	77,43			

SCALE 1:300

FLOOR PLAN +1.



ROOM SCHEDULE

m²

2.00	entrance	19,40	2.07	storage	55,81	2.14	wheelchair toilets	6,45
2.01	corridor	508,82	2.08	CNC center	130,72	2.15	men's toilet	16,52
2.02	laboratory - welding	346,16	2.09	3D print and 3D scen	189,66	2.16	mechanical workshop	166,60
2.03	classroom	105,46	2.10	laboratory - CNC	74,88	2.17	storage	10,64
2.04	laboratory - laser	240,30	2.11	staircase	44,85	2.18	staircase	35,83
2.05	classroom	104,13	2.12	women's toilets	16,40			2 290,82
2.06	pressing laboratory	215,41	2.13	cleaning room	2,78			

SCALE 1:300

FLOOR PLAN +2.



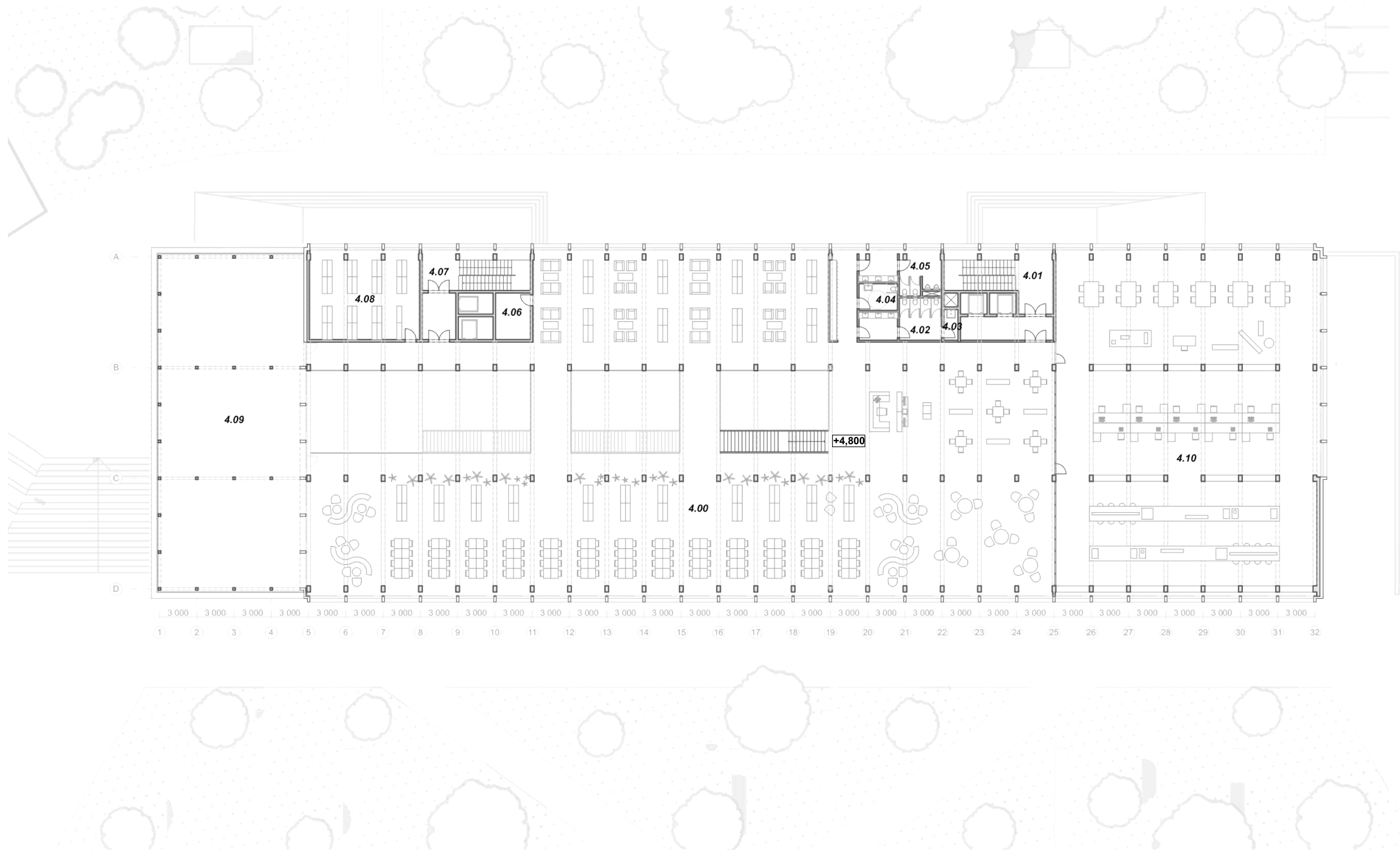
ROOM SCHEDULE

m²

3.00	corridor	464,51	3.07	administrative offices	50,73	3.14	meeting room	55,60	3.21	storage	10,50
3.01	administrative offices	106,80	3.08	computer center	80,10	3.15	women's toilets	16,40	3.22	staircase	35,83
3.02	administrative offices	50,73	3.09	server room	80,10	3.16	cleaning room	2,78	3.23	classroom	83,74
3.03	administrative offices	53,40	3.10	laboratory	163,46	3.17	wheelchair toilets	6,45	3.24	laboratory	82,35
3.04	kuchynka	51,63	3.11	laboratory	83,91	3.18	men's toilet	16,52	3.25	storage	80,10
3.05	administrative offices	53,40	3.12	meeting room	74,88	3.19	classroom	82,43	3.26	laboratory	189,15
3.06	administrative offices	105,46	3.13	staircase	44,85	3.20	laboratory	83,12			2 208,93

SCALE 1:300

FLOOR PLAN +3.



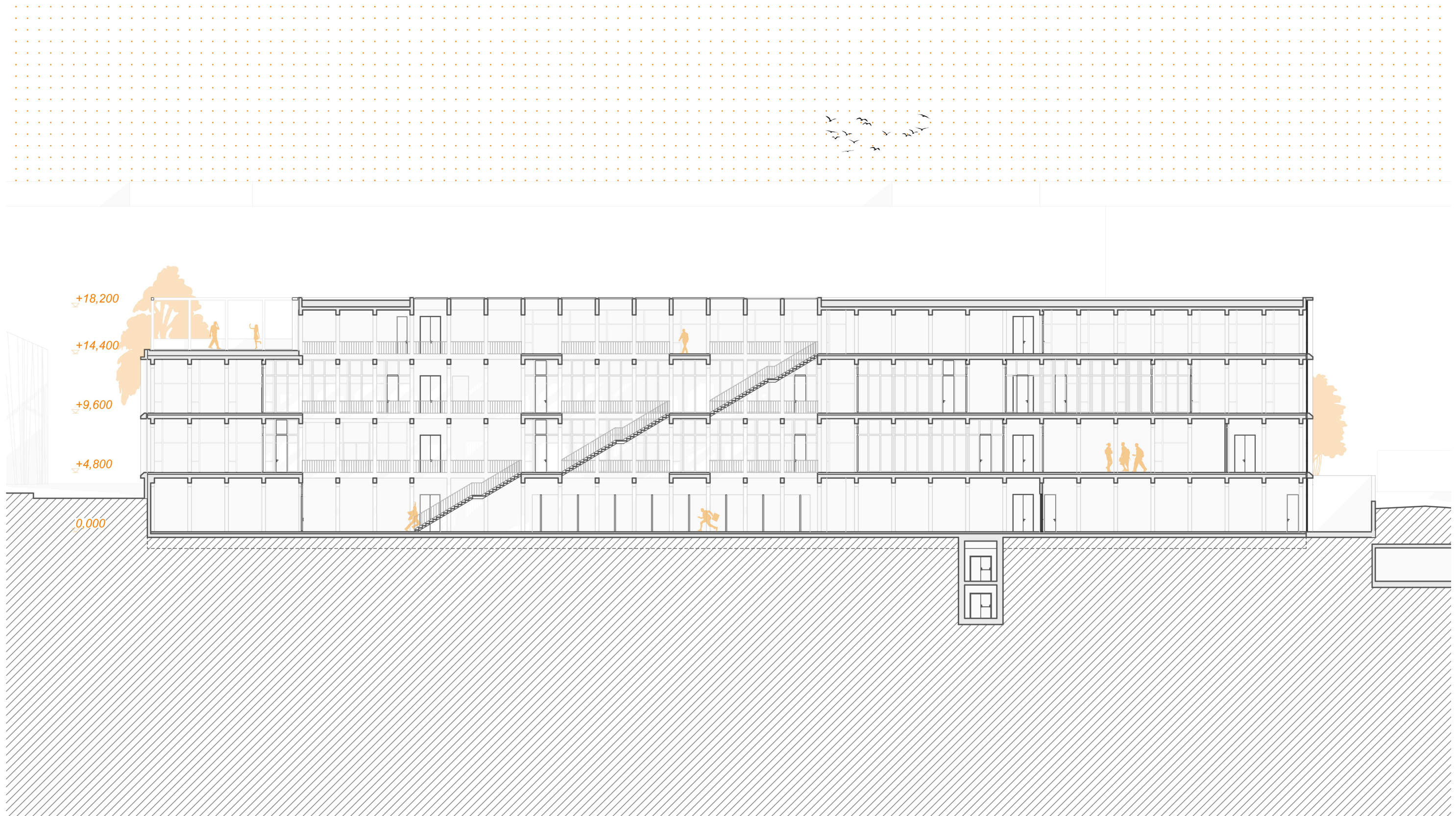
ROOM SCHEDULE

m²

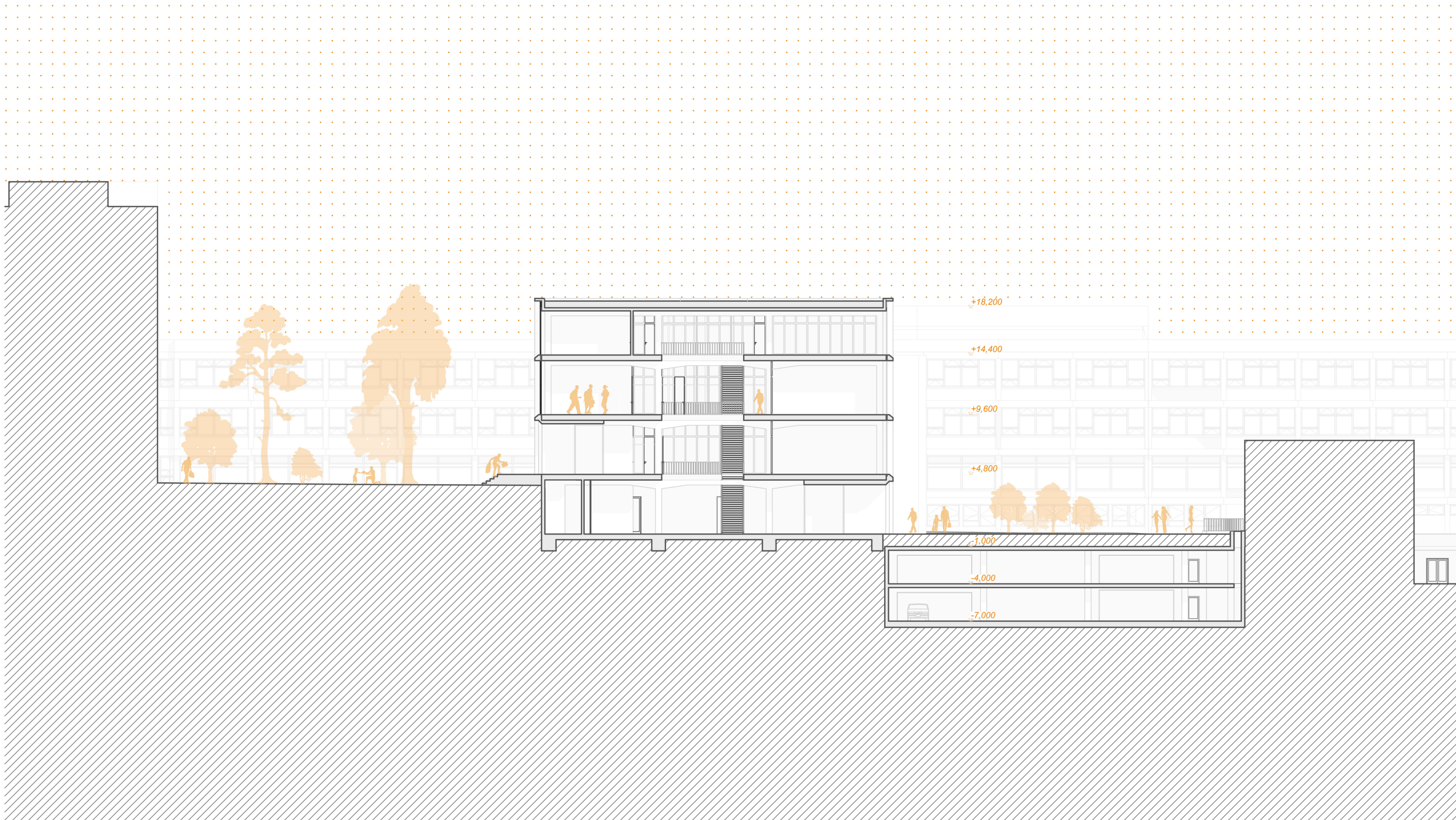
4.00	study room / library	1 156,41	4.07	staircase	35,83
4.01	staircase	44,85	4.08	depository	60,72
4.02	women´s toilets	18,50	4.09	roof terrace	328,79
4.03	cleaning room	2,78	4.10	laboratory	571,20
4.04	wheelchair toilet	6,67			1 925,98
4.05	men´s toilet	18,52			
4.06	storage	10,50			

SCALE 1:300

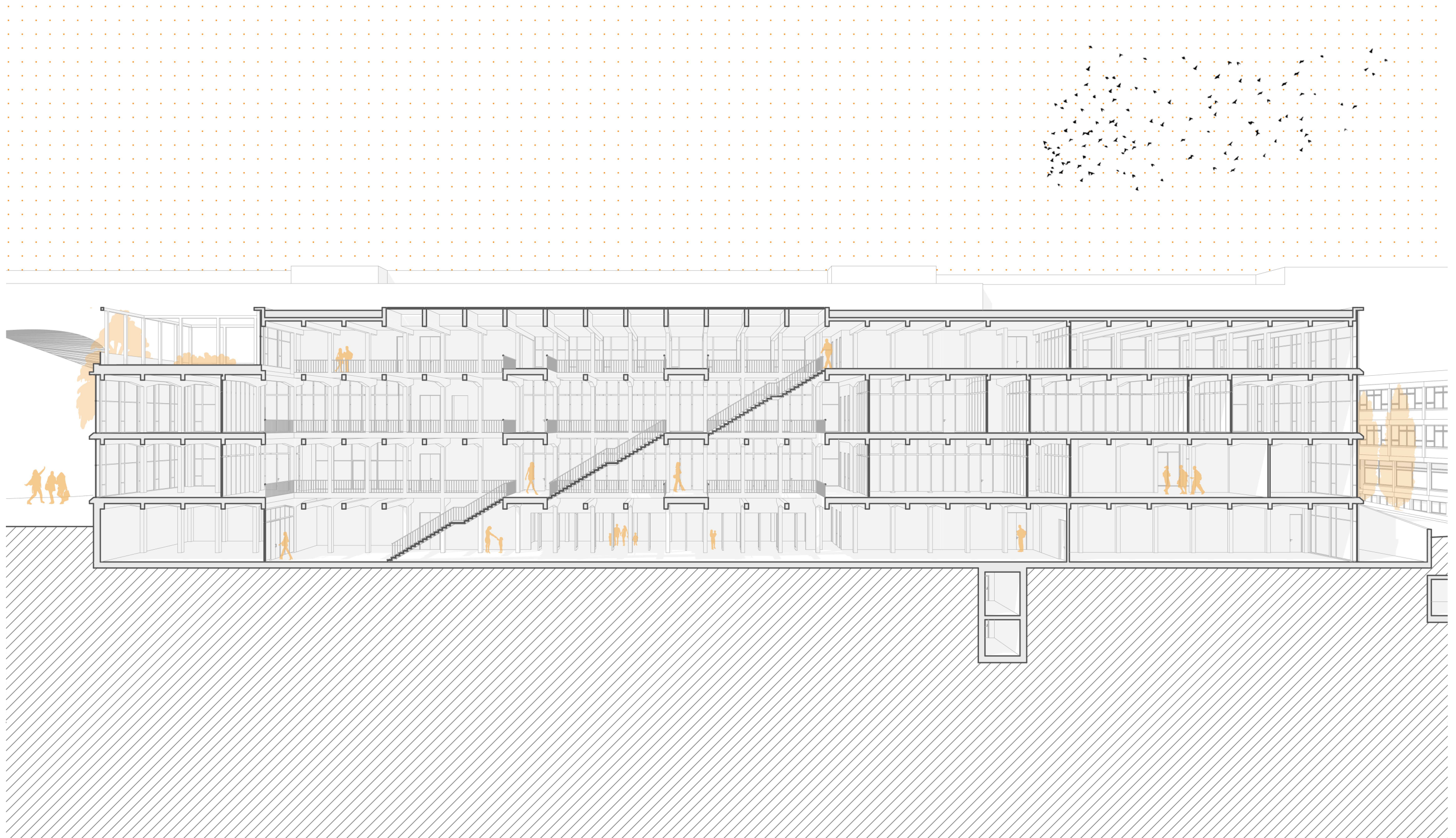
FLOOR PLAN +4.



SCALE 1:300
LONGITUDINAL SECTION



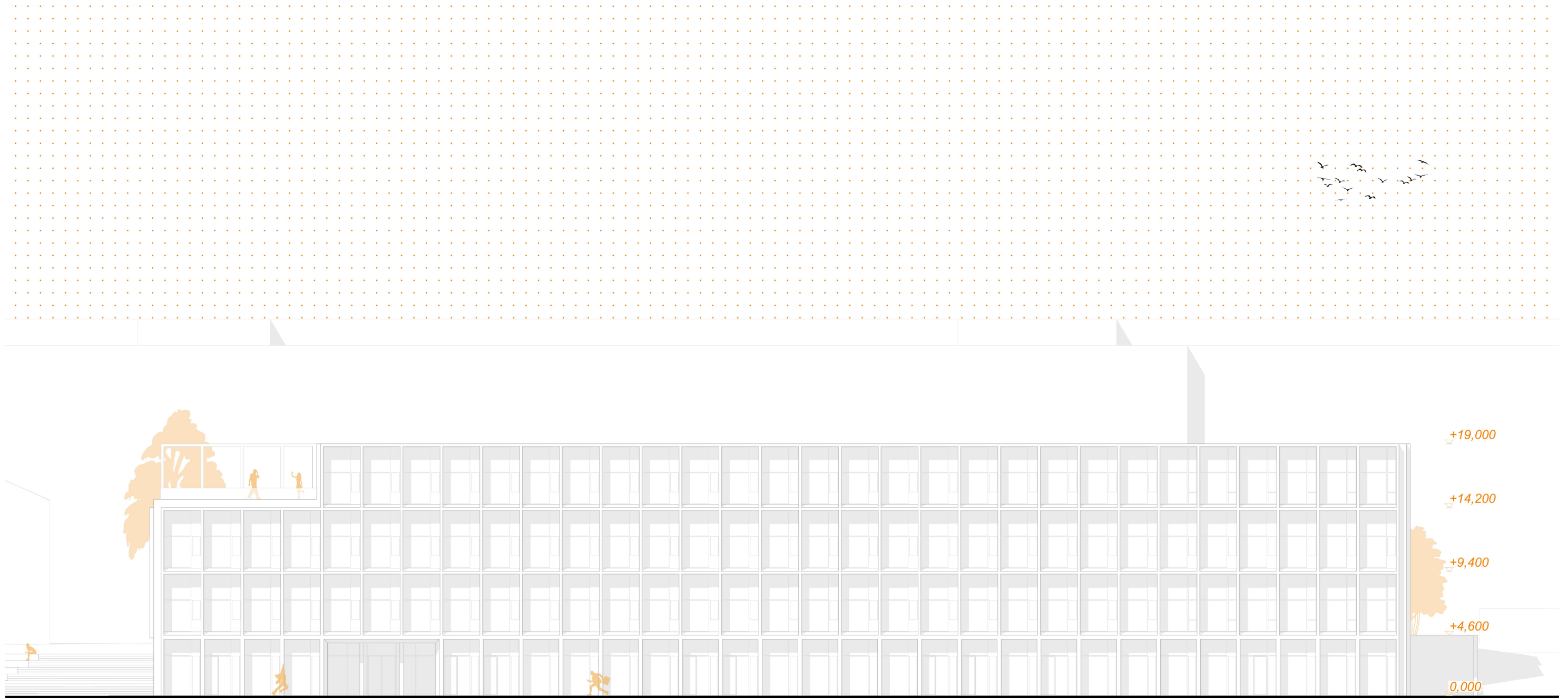
SCALE 1:300
CROSS SECTION



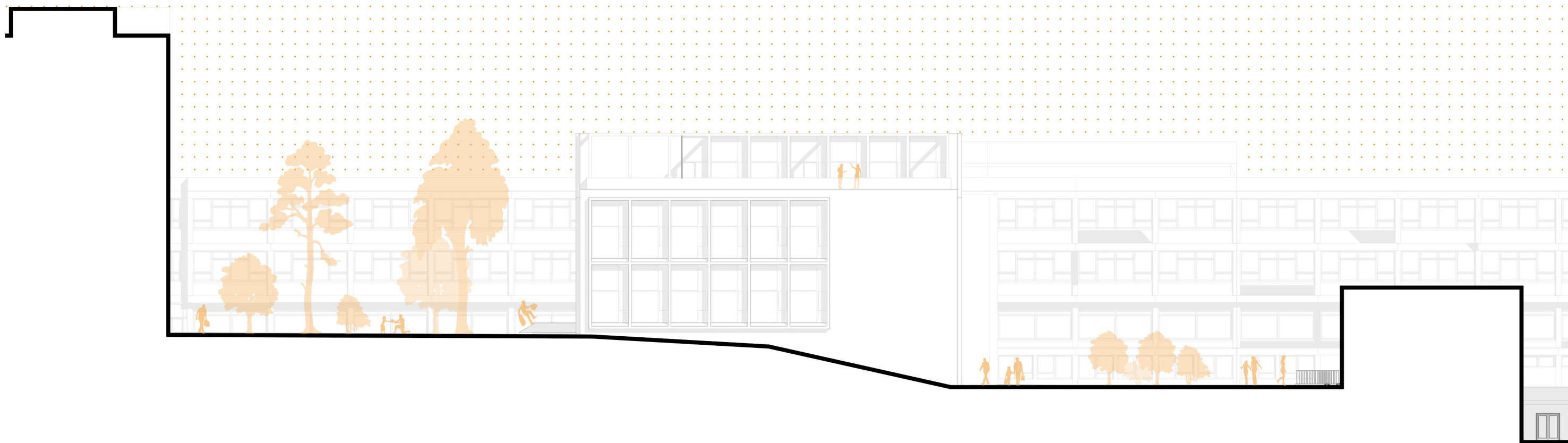
SECTION IN PERSPECTIVE



SECTION IN PERSPECTIVE



SCALE 1:300
ELEVATION_SOUTHEAST



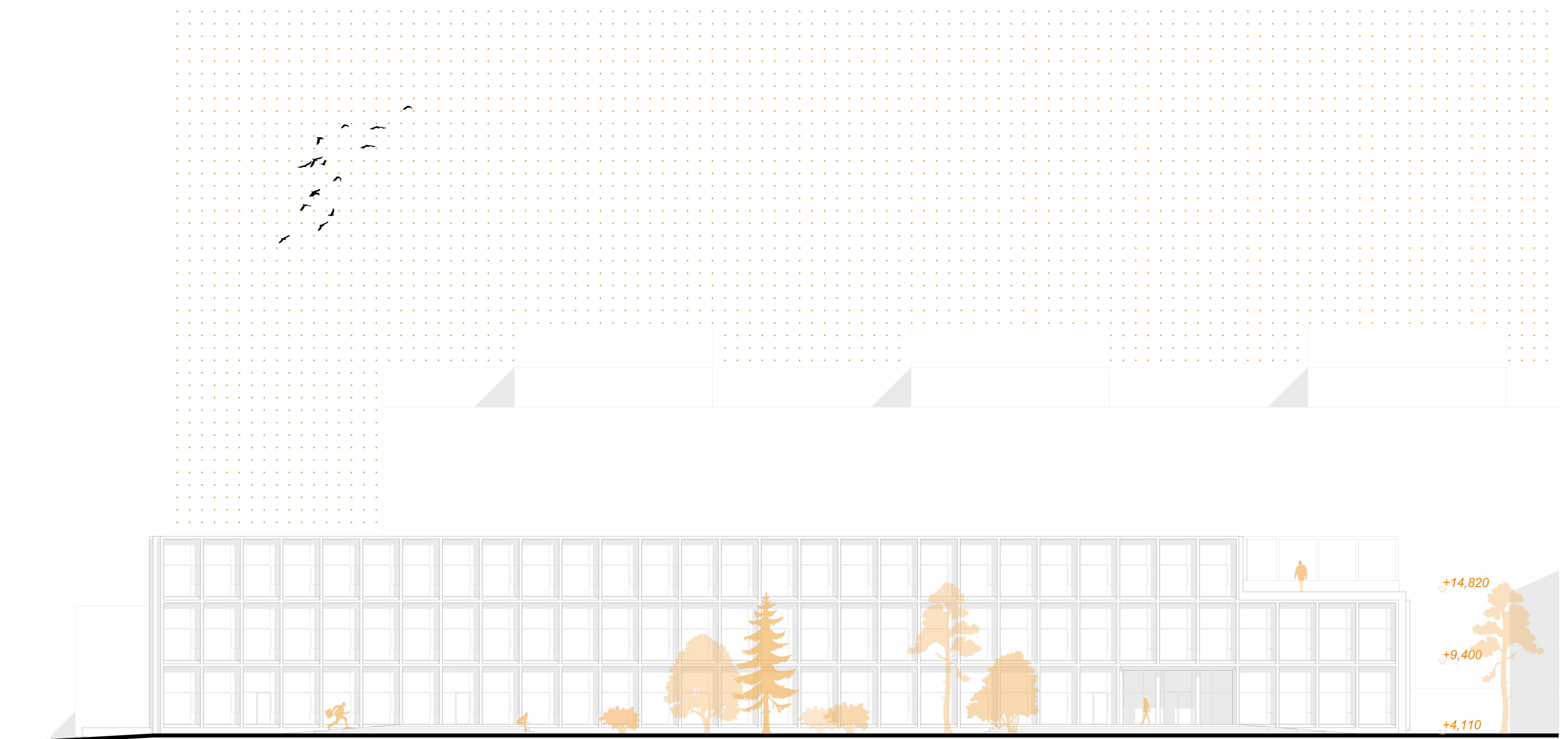
SCALE 1:300

ELEVATION_SOUTHWEST



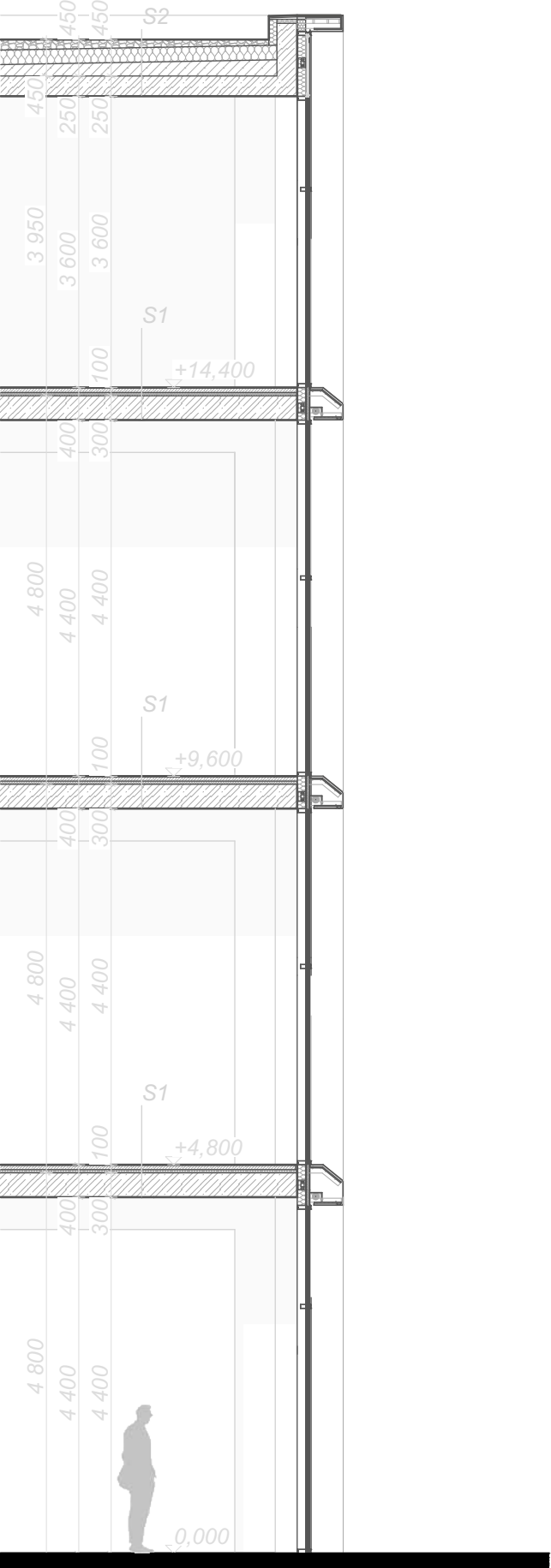
SCALE 1:300

ELEVATION_NORTHEAST

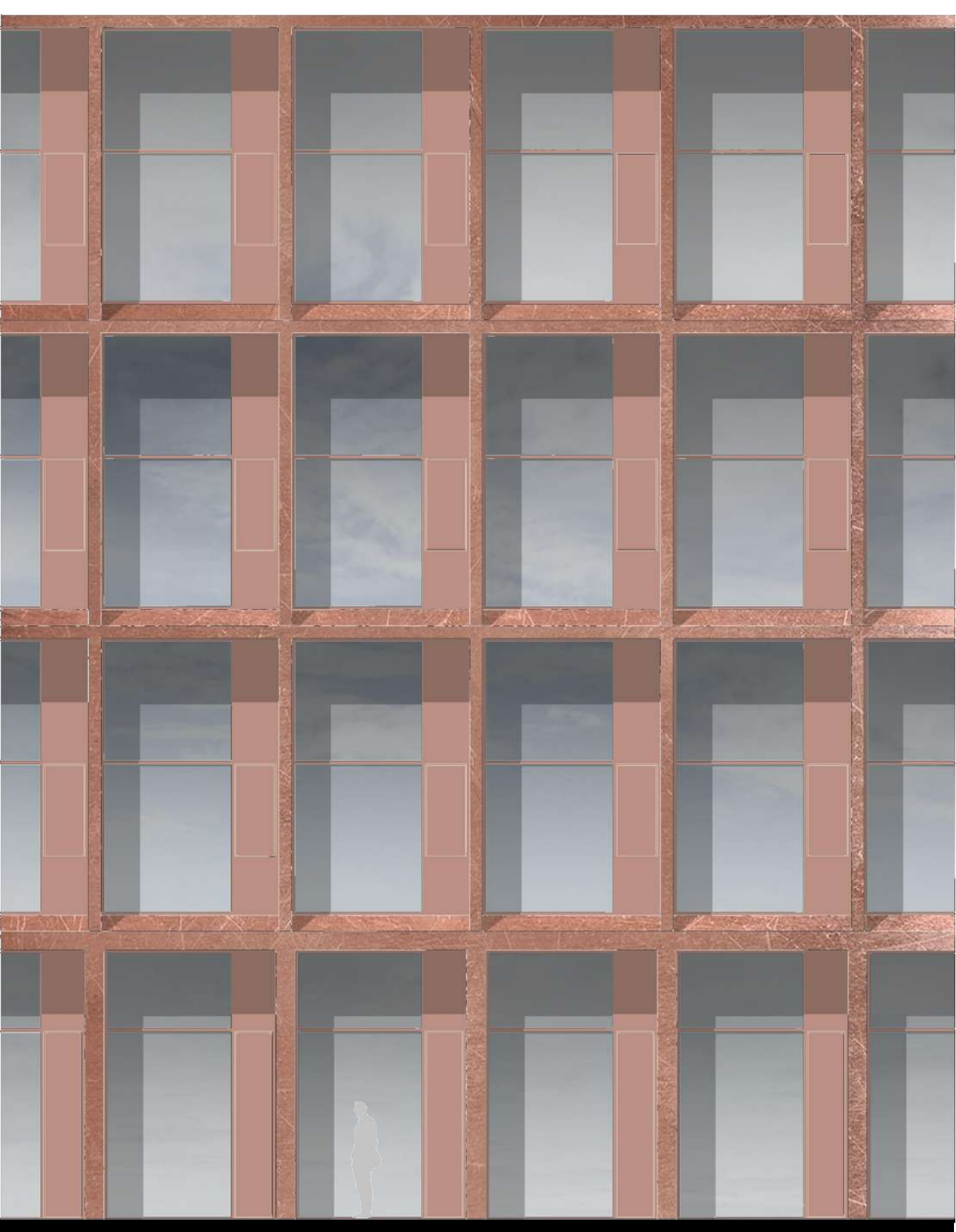


SCALE 1:300
ELEVATION_NORTHWEST

FACADE SECTION



FACADE



S1 INTERIOR FLOOR

epoxy floor	3 mm
leveling substance	2 mm
cement layer	55 mm
polyethylene foil	
sound insulation	40 mm
original reinforced concrete board	300 mm

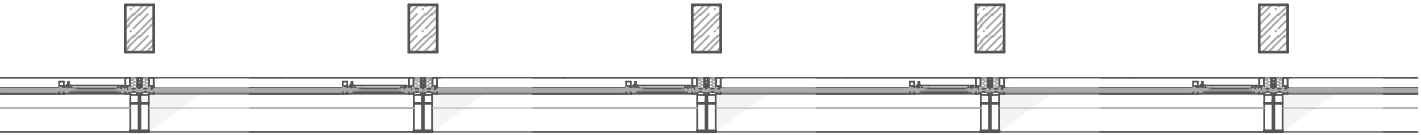
S2 ROOF

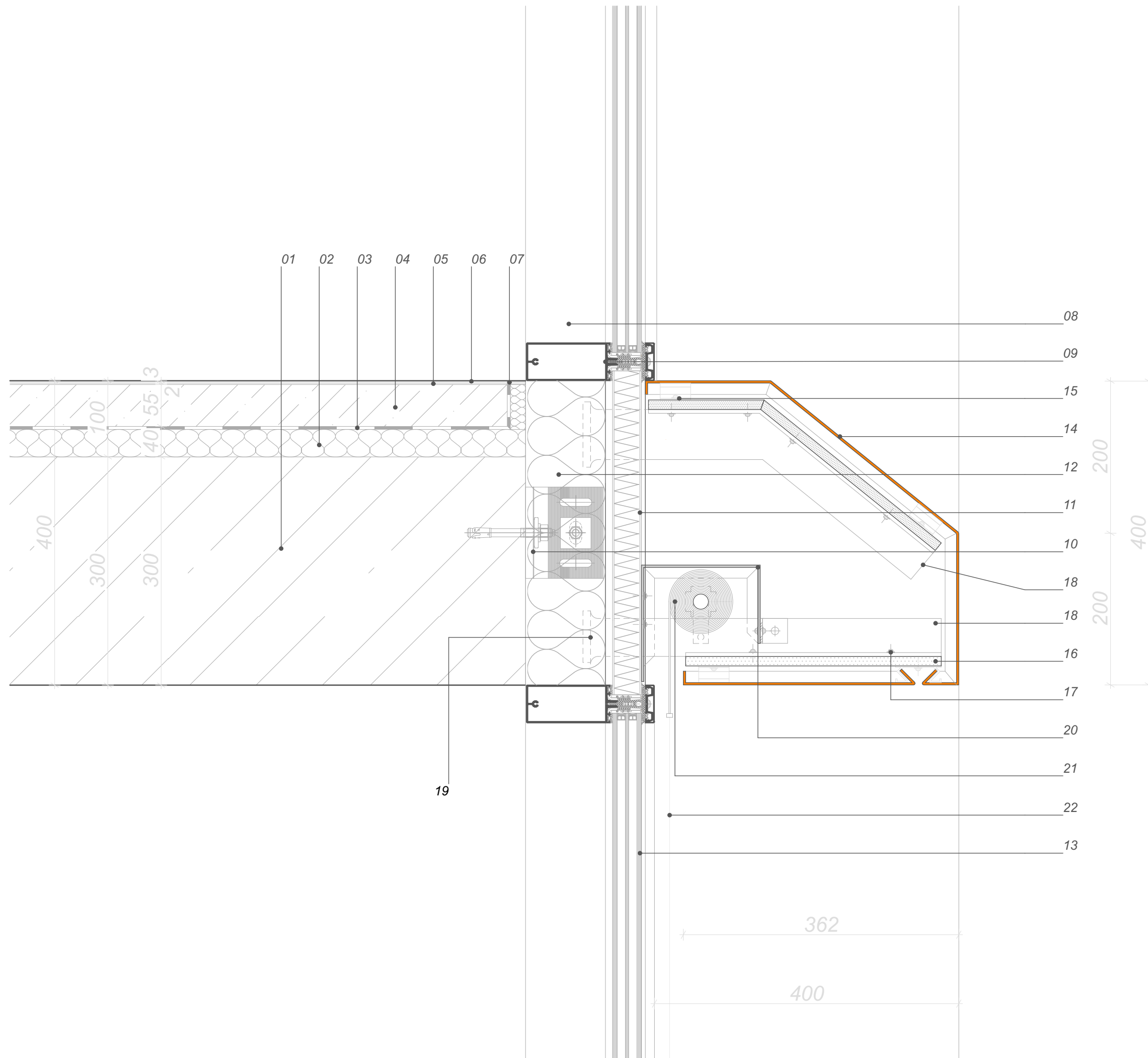
gravel layer	min 70 mm
separation layer	
waterproof layer Fatrafol	2 mm
PU sealant	
thermal insulation - Kingspan	180 mm
separation layer	
steam barrier Fatrafol Paroten	
light concrete layer	max 200 mm
reinforced concrete board	250 mm

SCALE 1:80

SECTION AND ELEVATION

CROSS SECTION





- 01_reinforced concrete board- interior
- 02_sound insulation 40 mm
- 03_polyethylene foil
- 04_cement layer 55 mm
- 05_leveling substance 2 mm
- 06_epoxy floor 3 mm
- 07_floor profile
- 08_facade system - longitudinal profile
- 09_facade system - profile
- 10_anchor for attaching the facade system
- 11_non-transparent filling profile
- 12_thermal insulation 100 mm
- 13_fixed glazing
- 14_aluminium composite panel
- 15_anchoring element of aluminium panel
- 16_moisture resistant cement fiber board 12,5
- 17_anchoring element
- 18_steel plate - croos section of T
- 19_anchoring of steel plate
- 20_aluminum protective pocket for screen roller blinds
- 21_screen roller blinds
- 22_guide rail

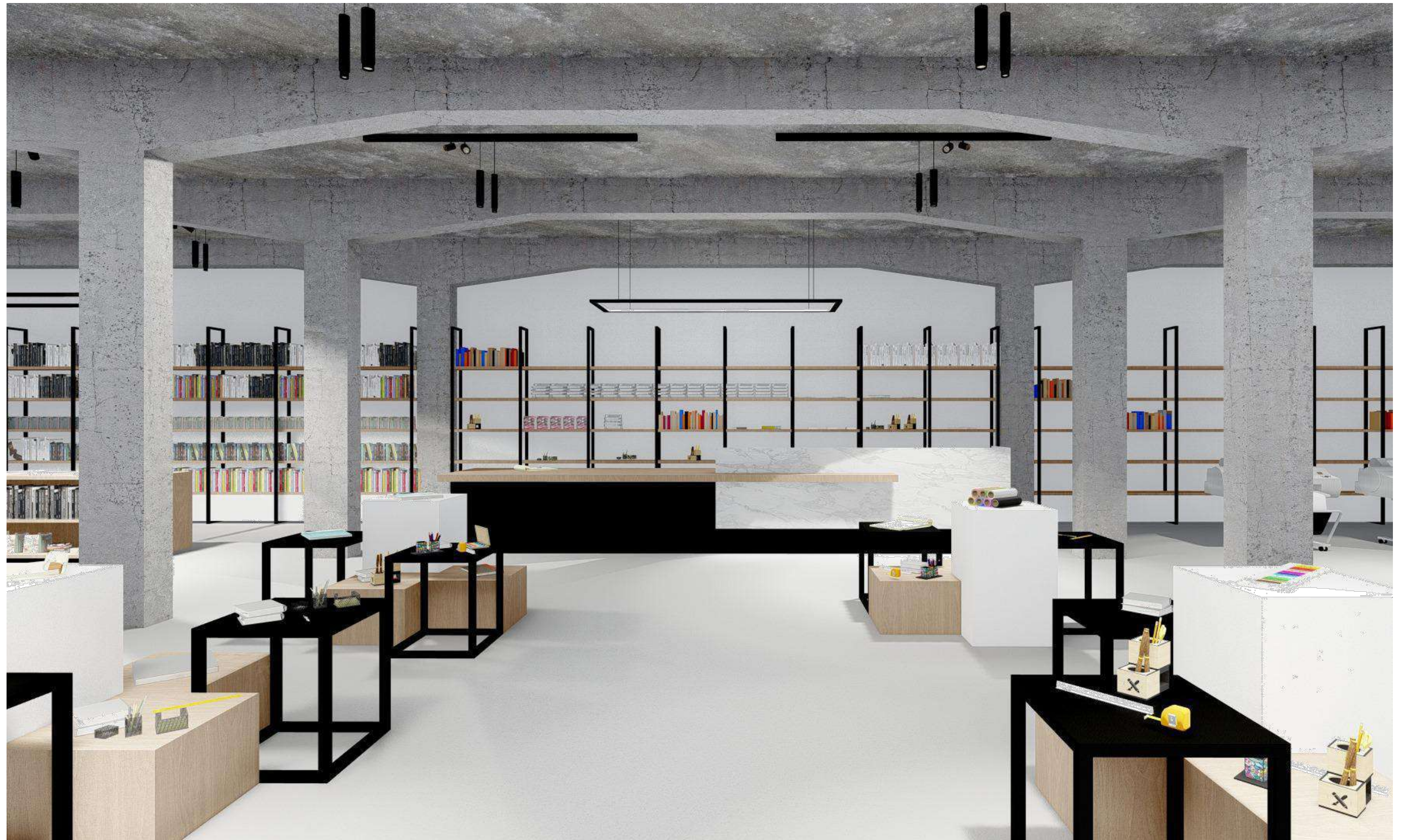
SCALE 1:5
DETAIL



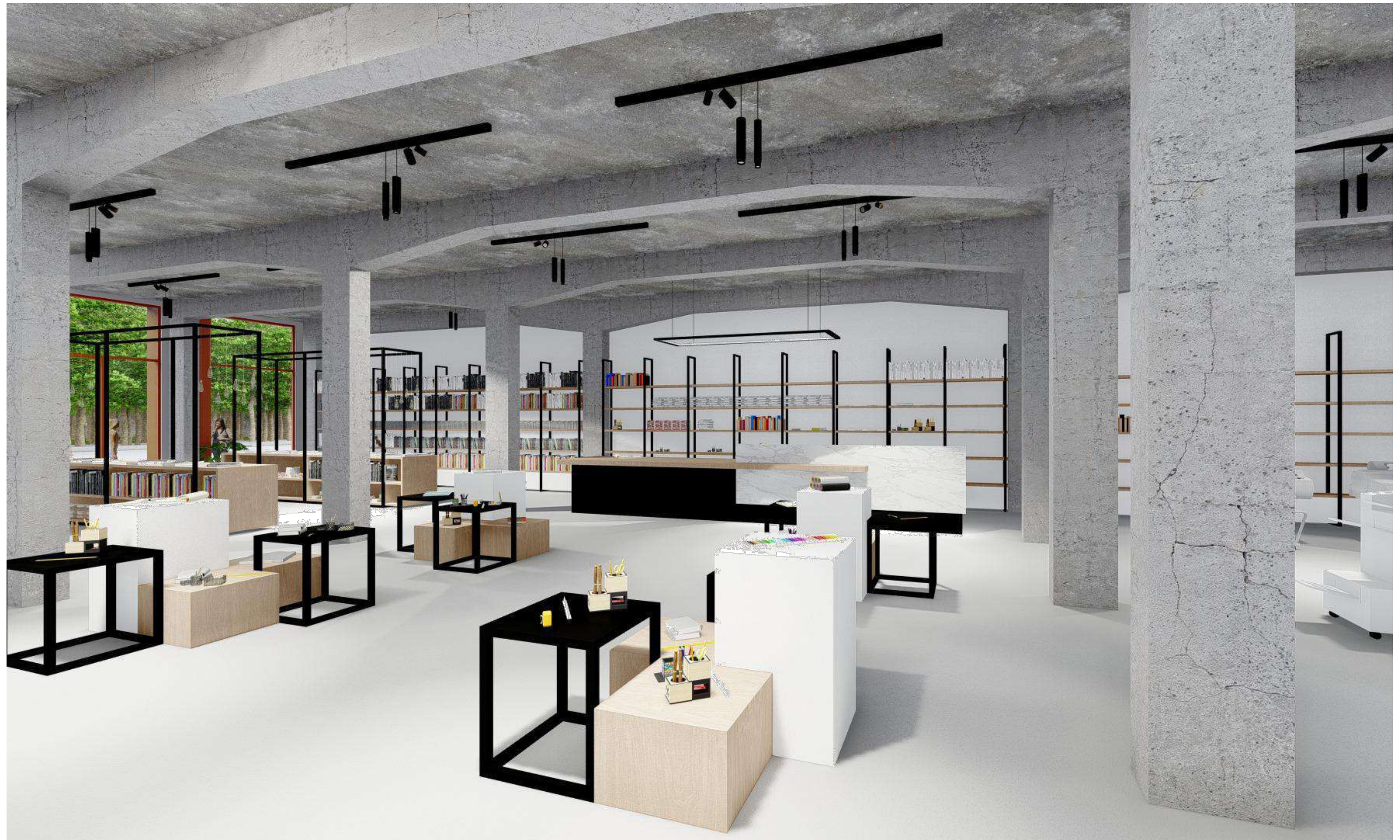
MAIN ENTRANCE



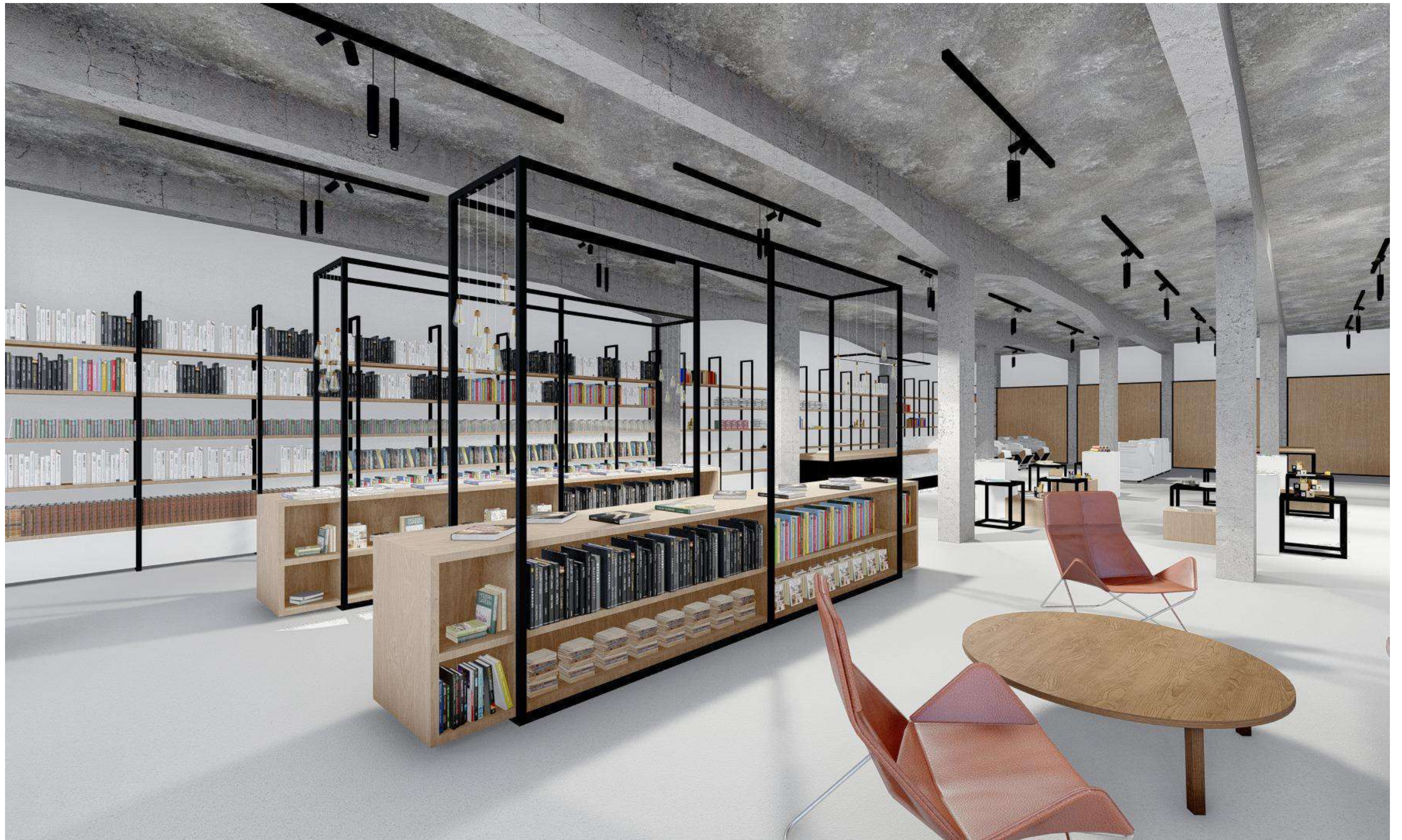
NORTHWEST



BOOKSHOP, STATIONERY AND PRINT SHOP



BOOKSHOP, STATIONERY AND PRINT SHOP



BOOKSHOP, STATIONERY AND PRINT SHOP