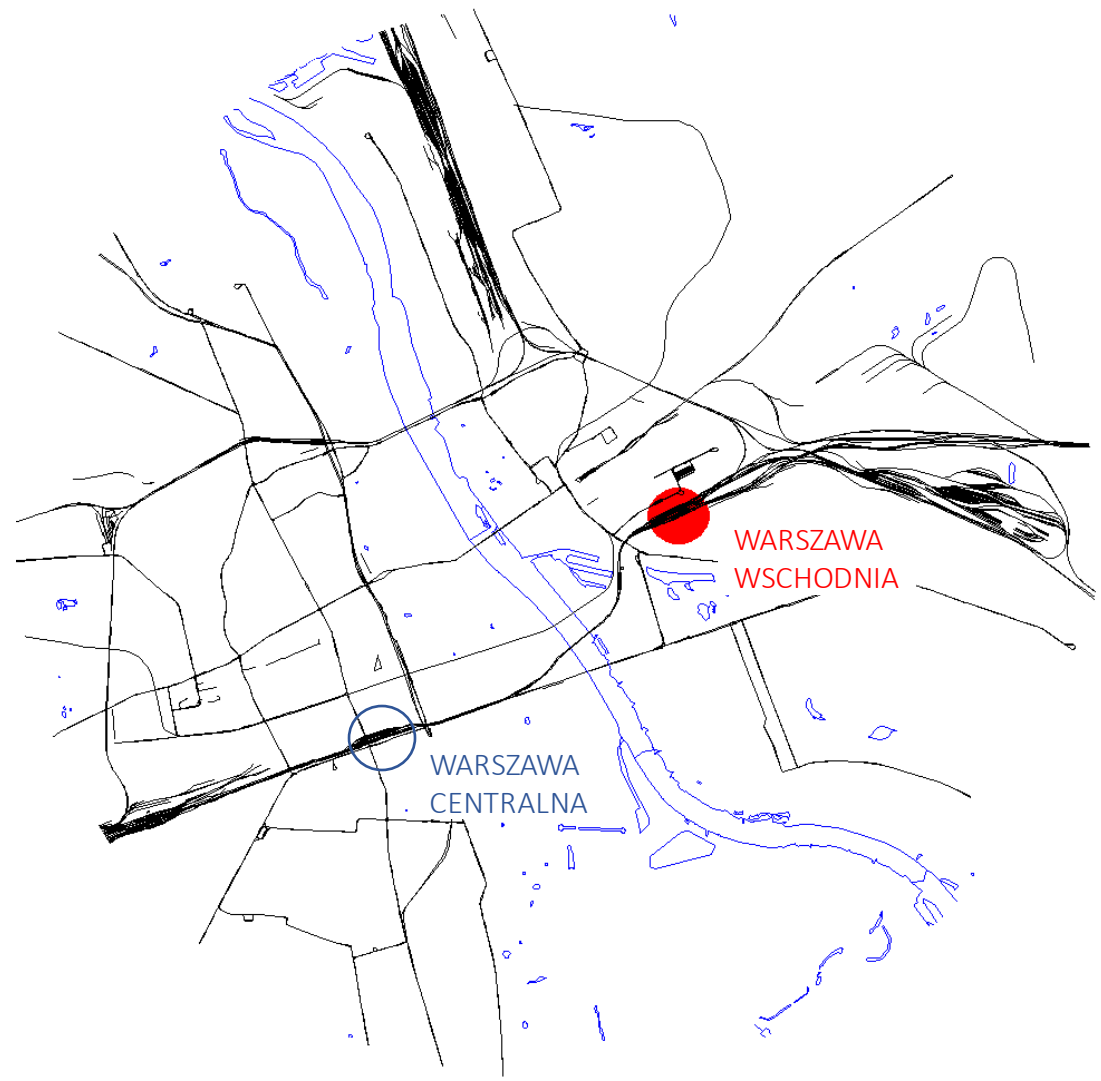
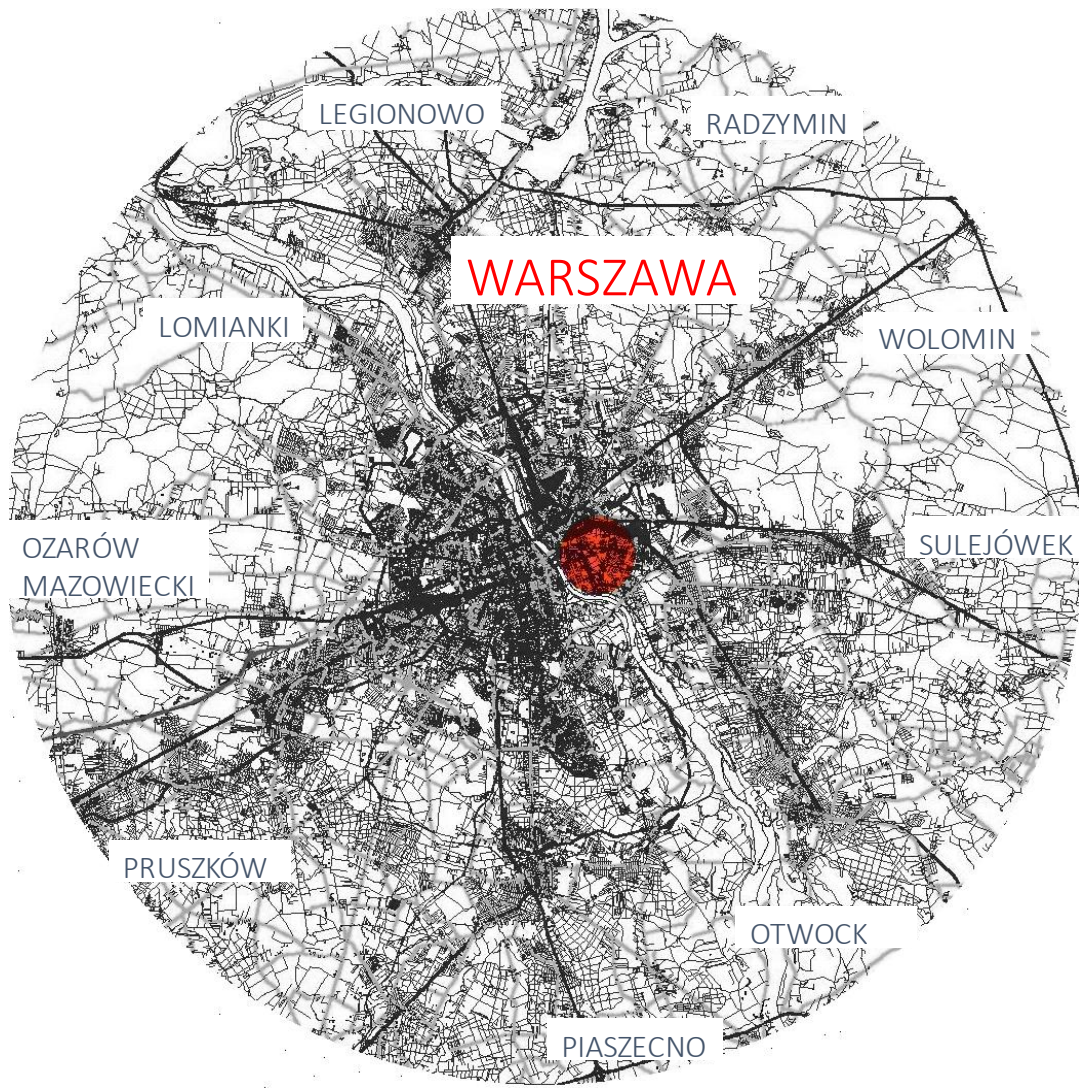


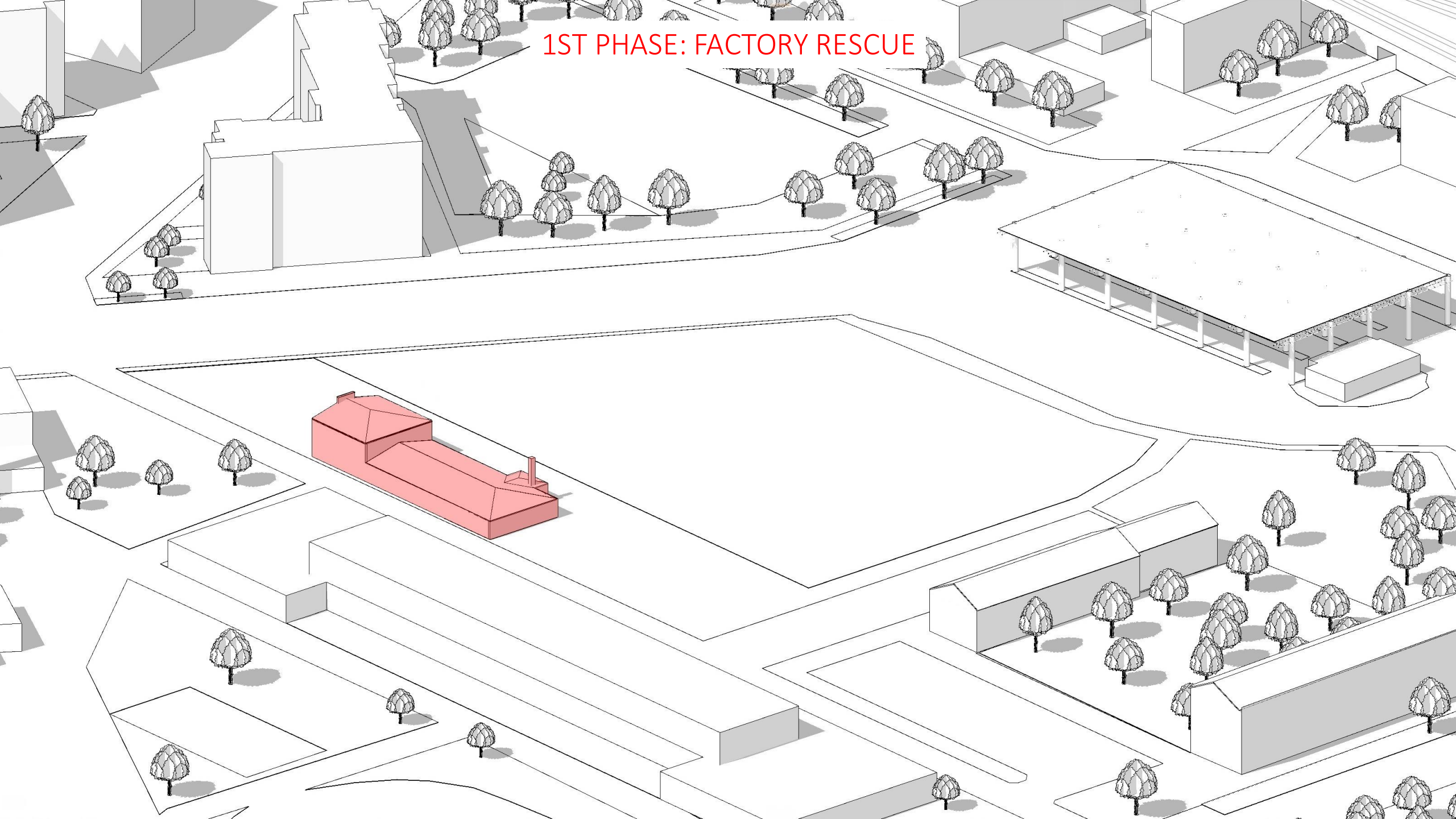
STUDENT HOUSE

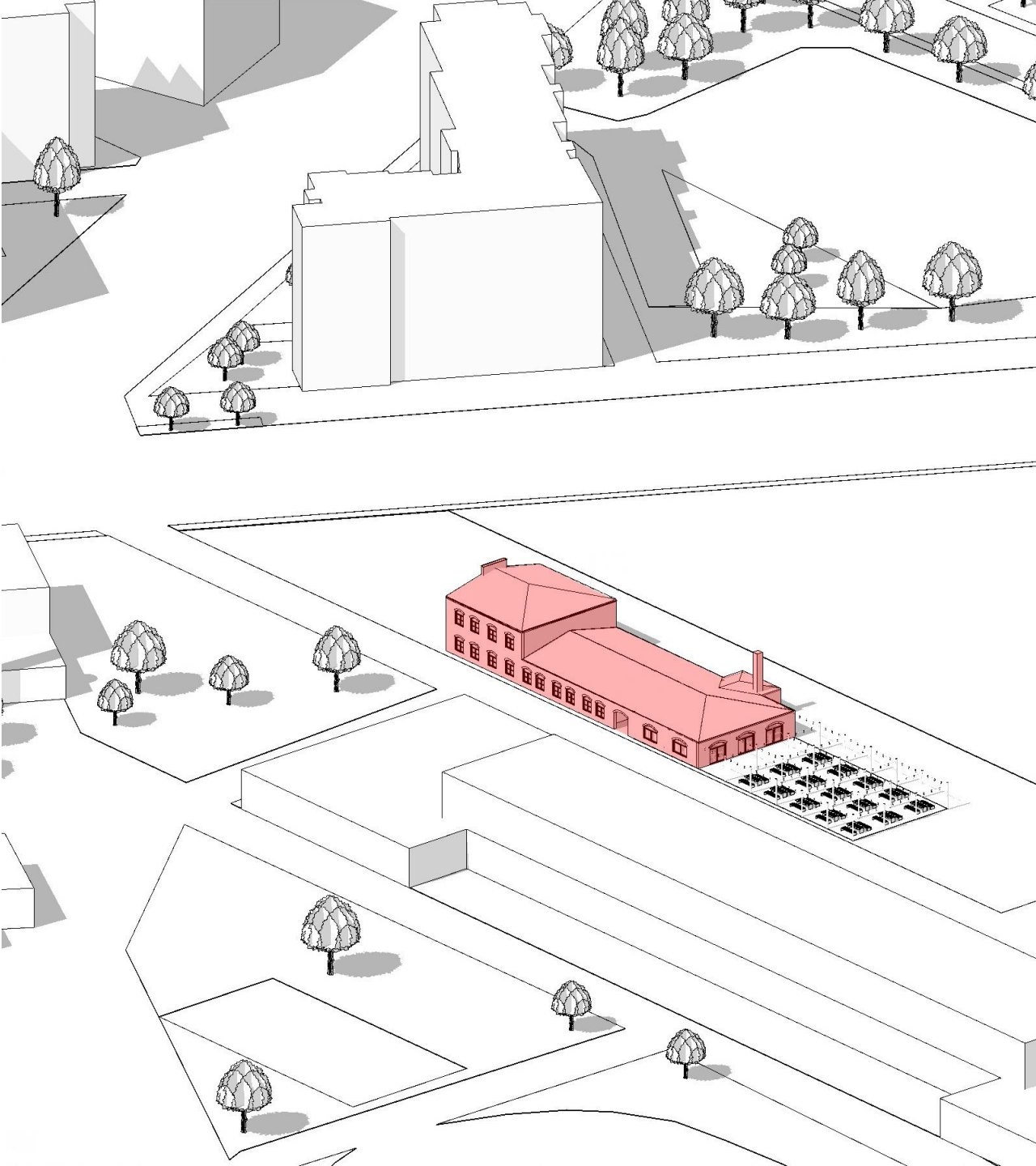
Vladimír Vacík, FUA TUL



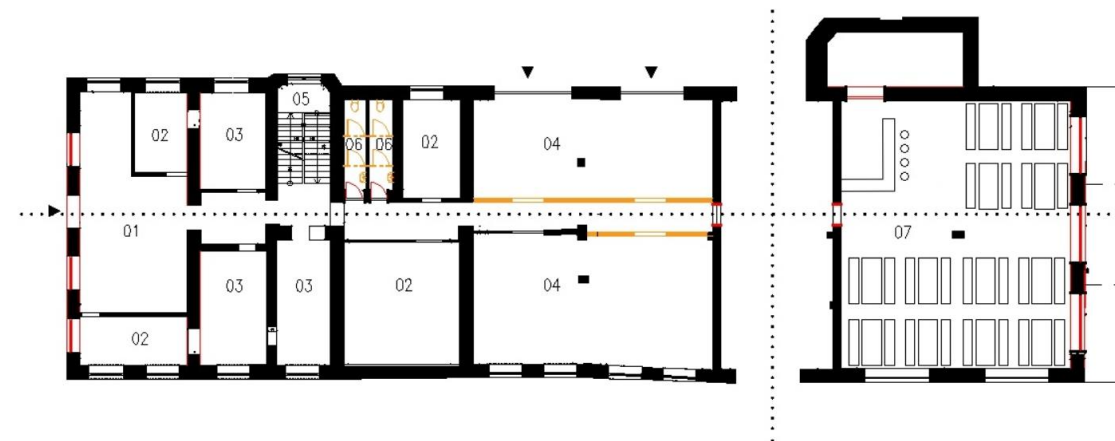


1ST PHASE: FACTORY RESCUE

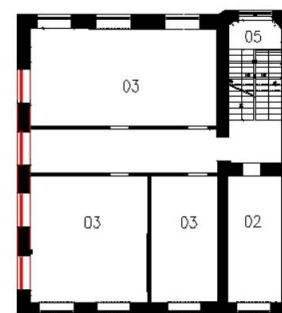




1ST FLOOR



2ND FLOOR



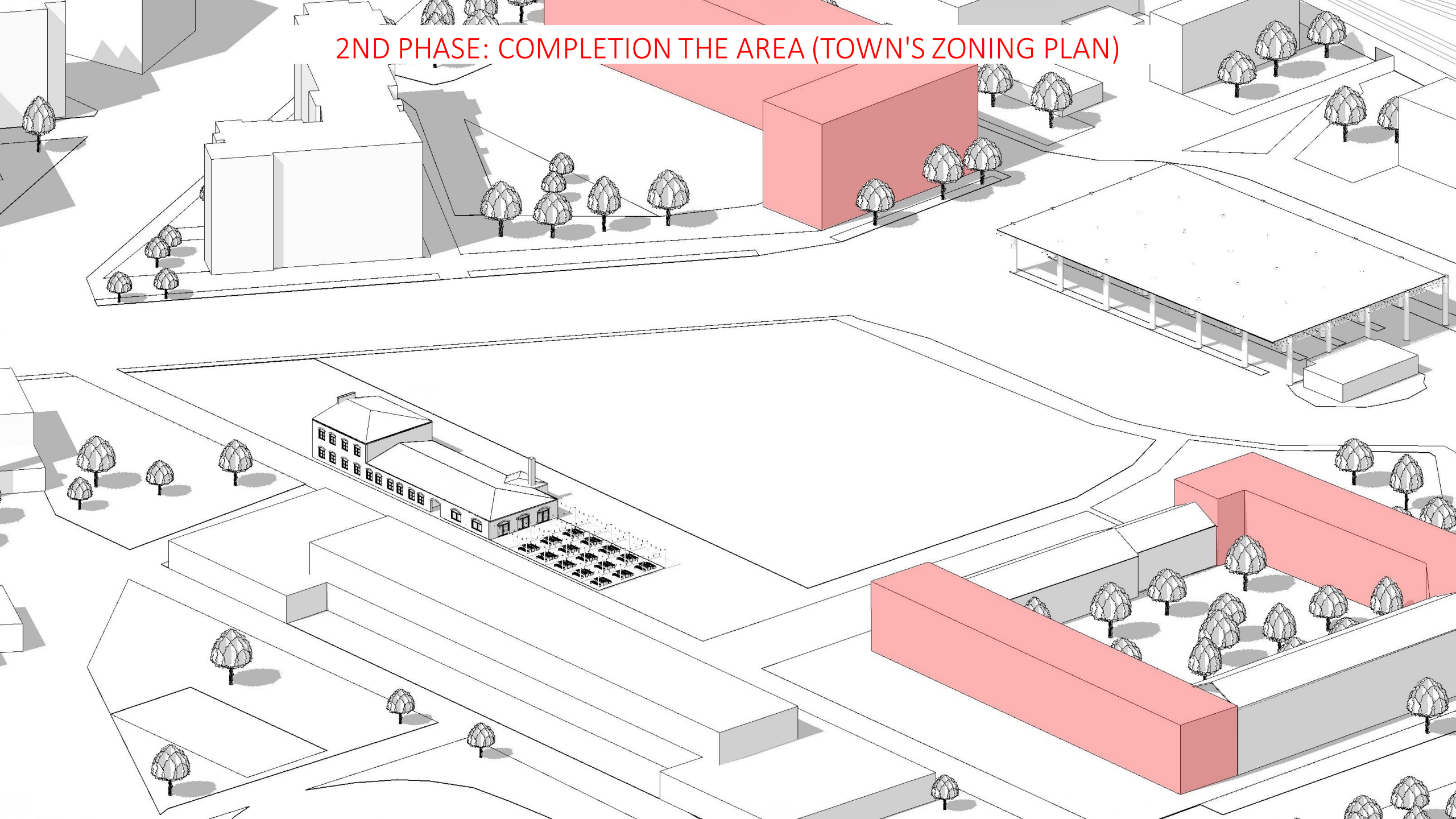
- 01 ENTRANCE SPACE
- 02 STORAGE
- 03 ATELIER
- 04 WORKSHOPS
- 05 STAIRS
- 06 TOILETS
- 07 PUB

DEMOLISHED WALL AREAS
NEW CONSTRUCTIONS

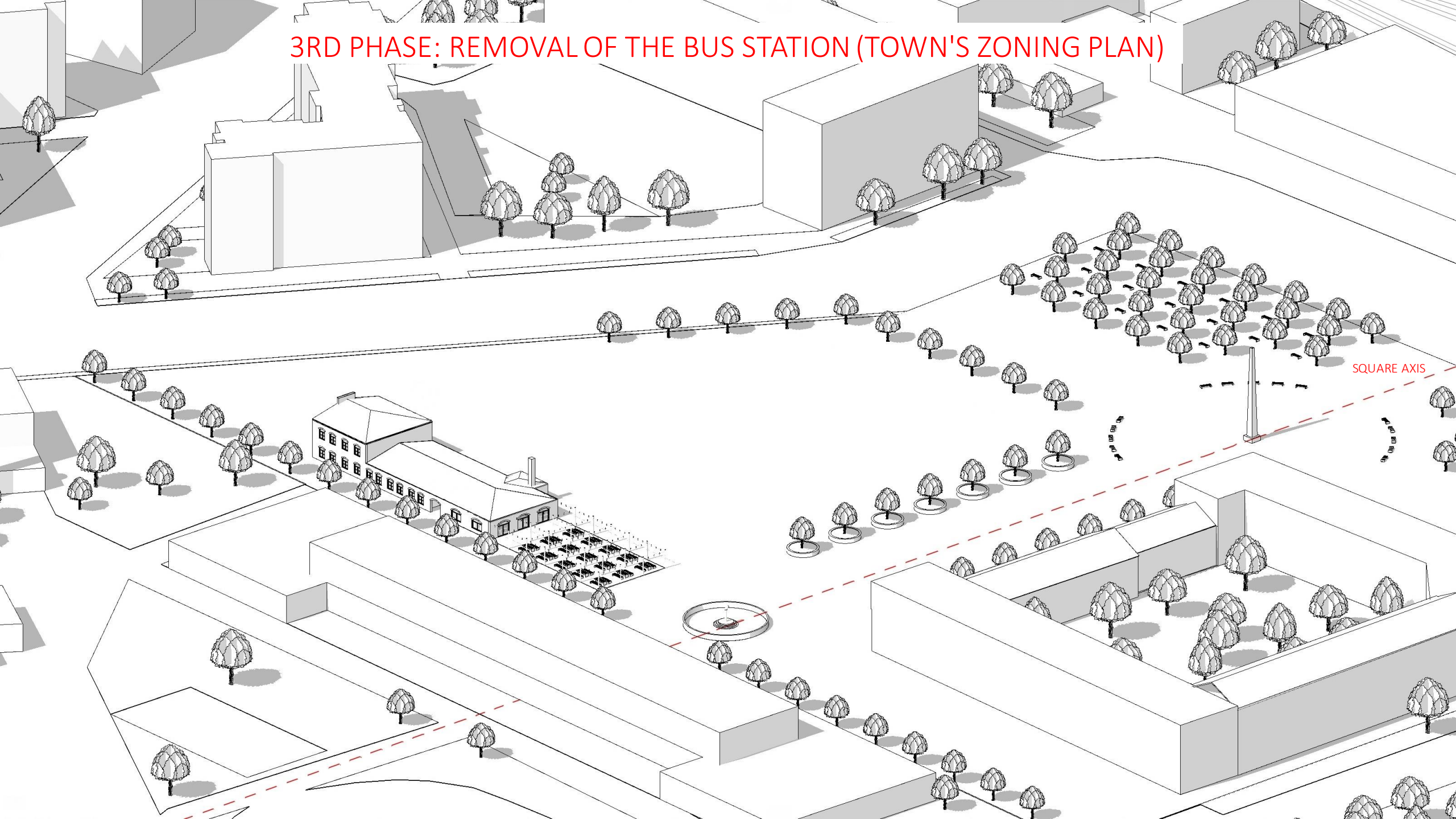
0 2 10



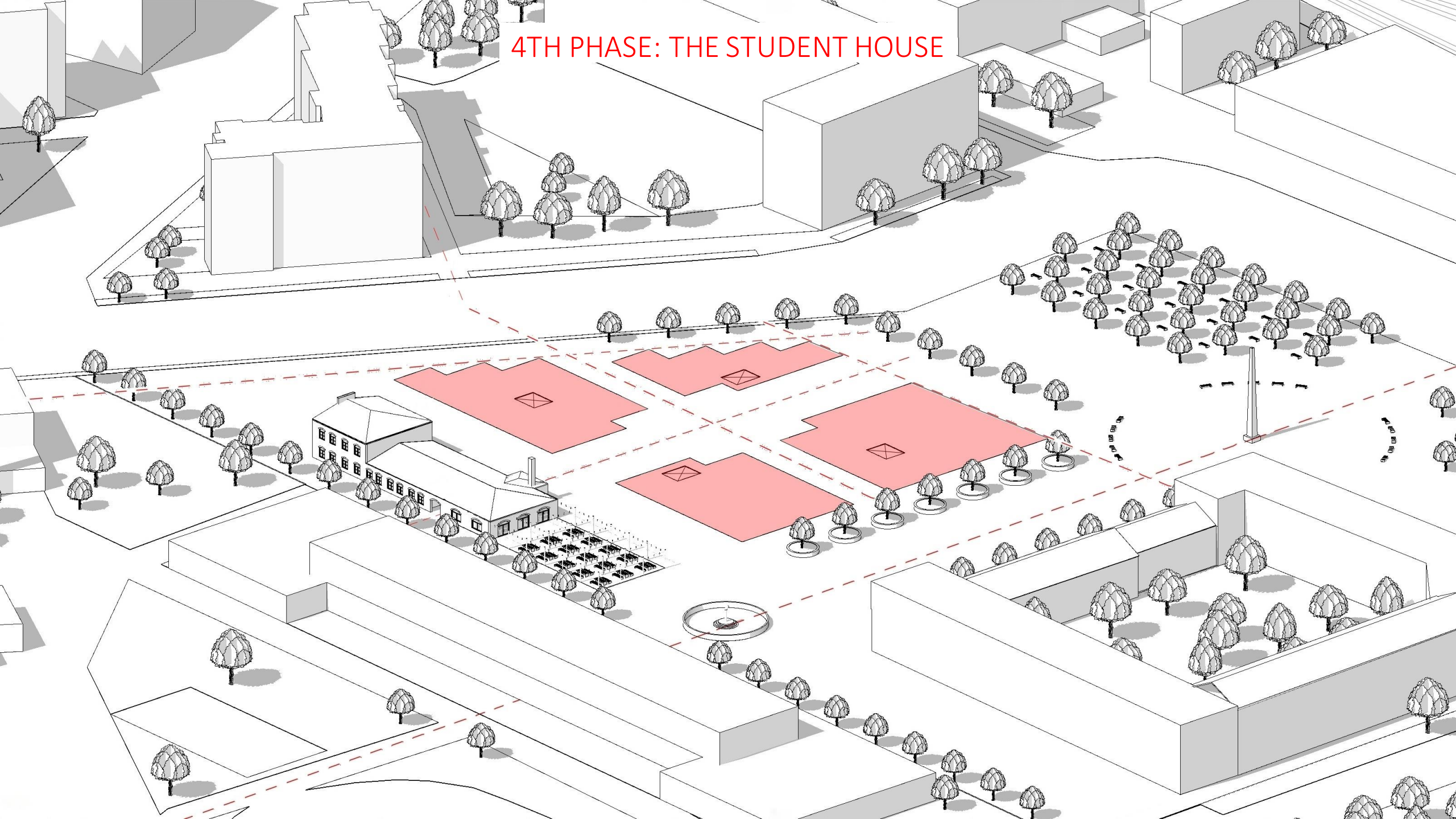
2ND PHASE: COMPLETION THE AREA (TOWN'S ZONING PLAN)

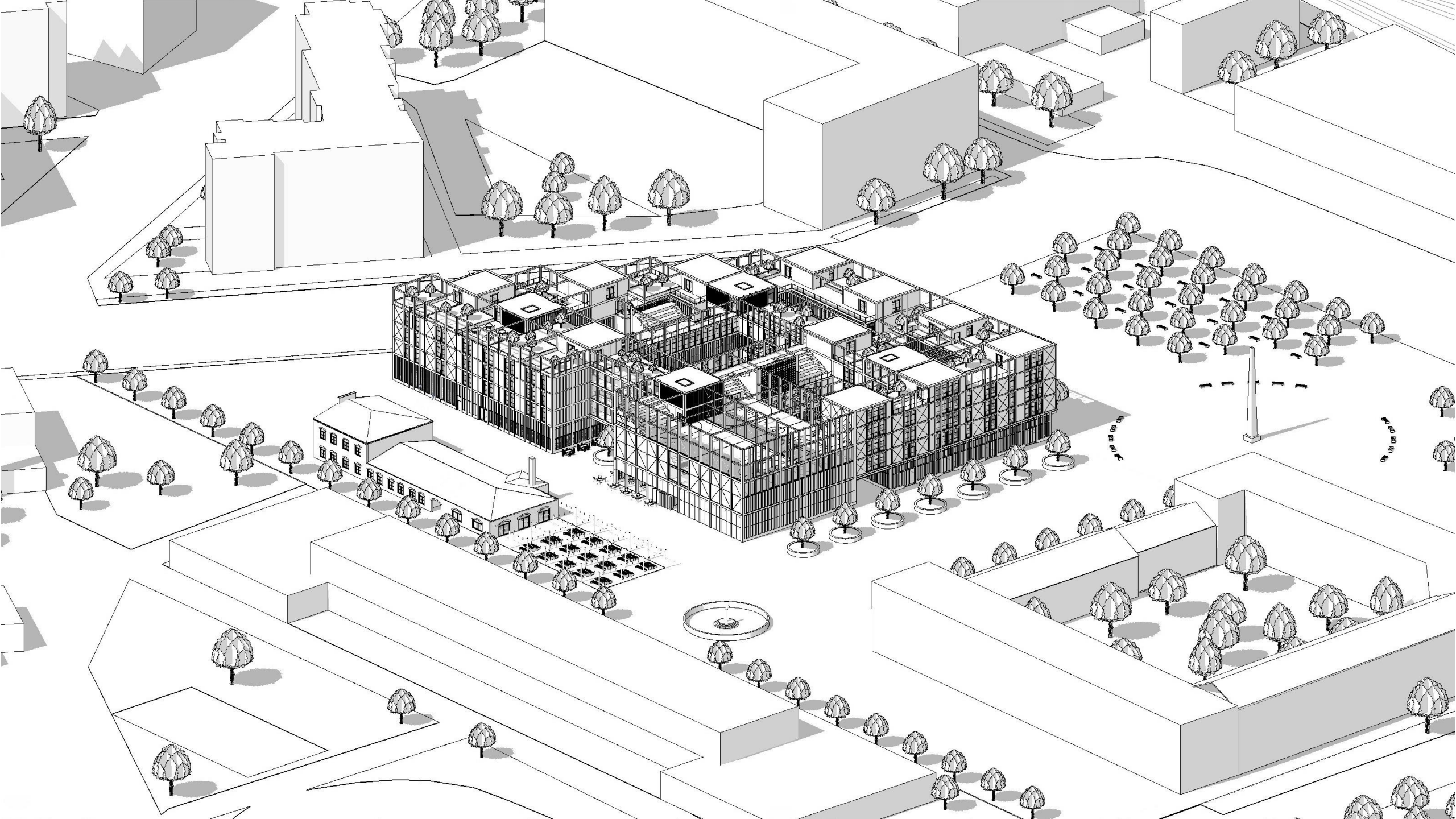


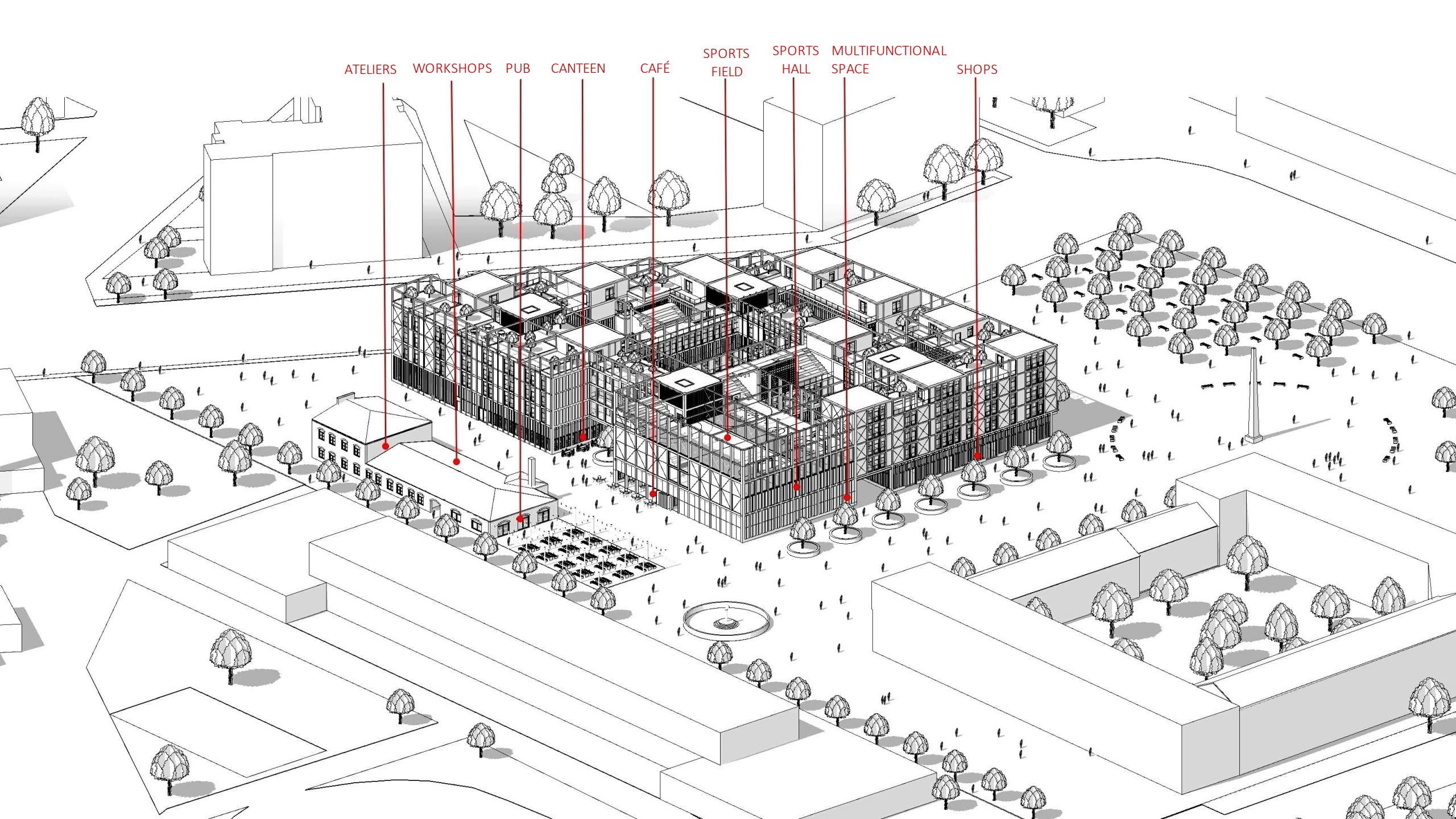
3RD PHASE: REMOVAL OF THE BUS STATION (TOWN'S ZONING PLAN)



4TH PHASE: THE STUDENT HOUSE







ATELIERS

WORKSHOPS

PUB

CANTEEN

CAFÉ

SPORTS
FIELD

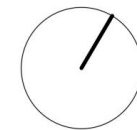
SPORTS
HALL

MULTIFUNCTIONAL
SPACE

SHOPS

1ST FLOOR

- 01 RECEPTION
- 02 BIKE STORAGE
- 03 COMMERCIAL AREA
- 04 CAFÉ
- 05 MULTIFUNCTIONAL SPACE
- 06 CANTEEN

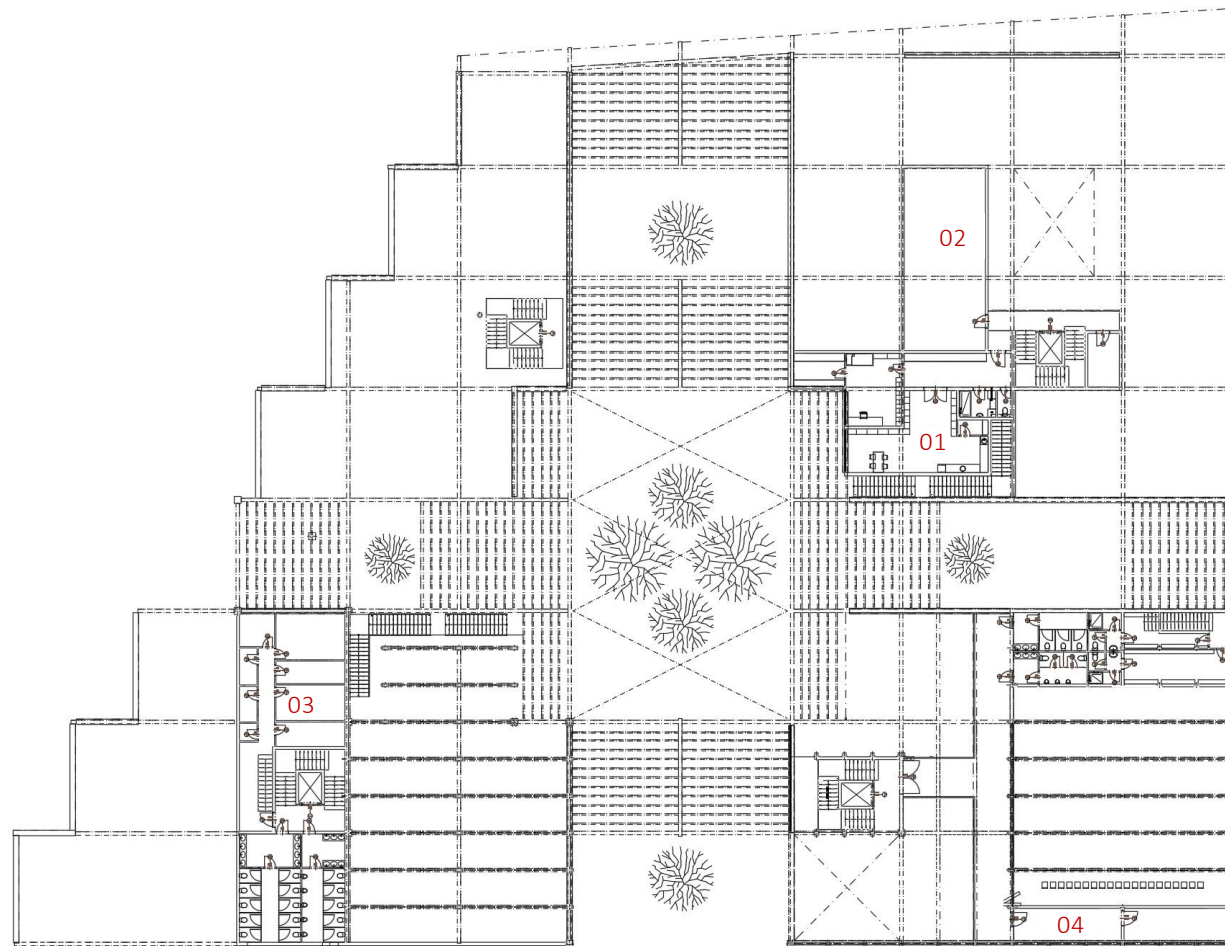


0 5 20





2ND FLOOR



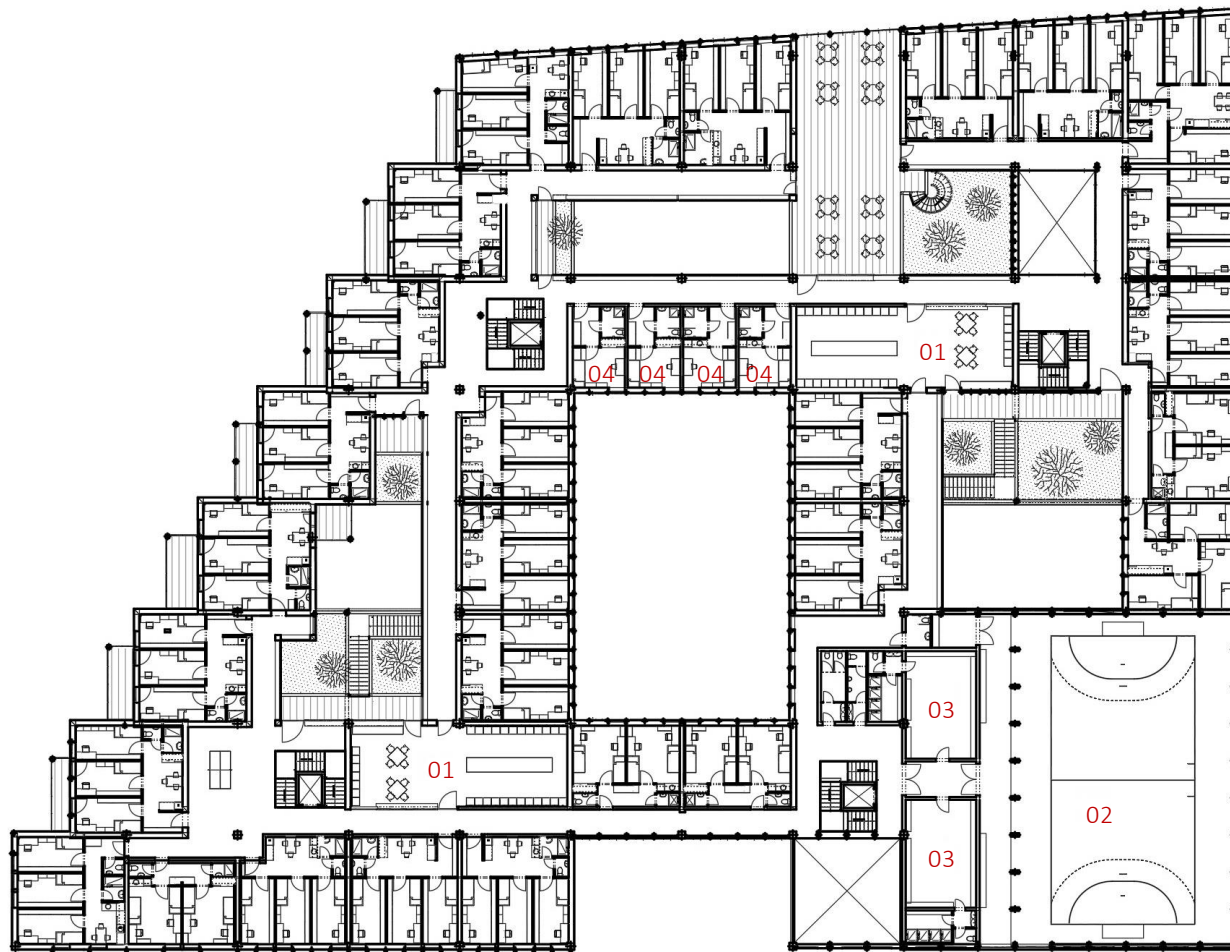
- 01 FLAT OF THE BUILDING ADMINISTRATOR
- 02 ENGINEERING ROOM
- 03 PANTRY
- 04 MEDIA STORAGE



0 5 20



3RD FLOOR



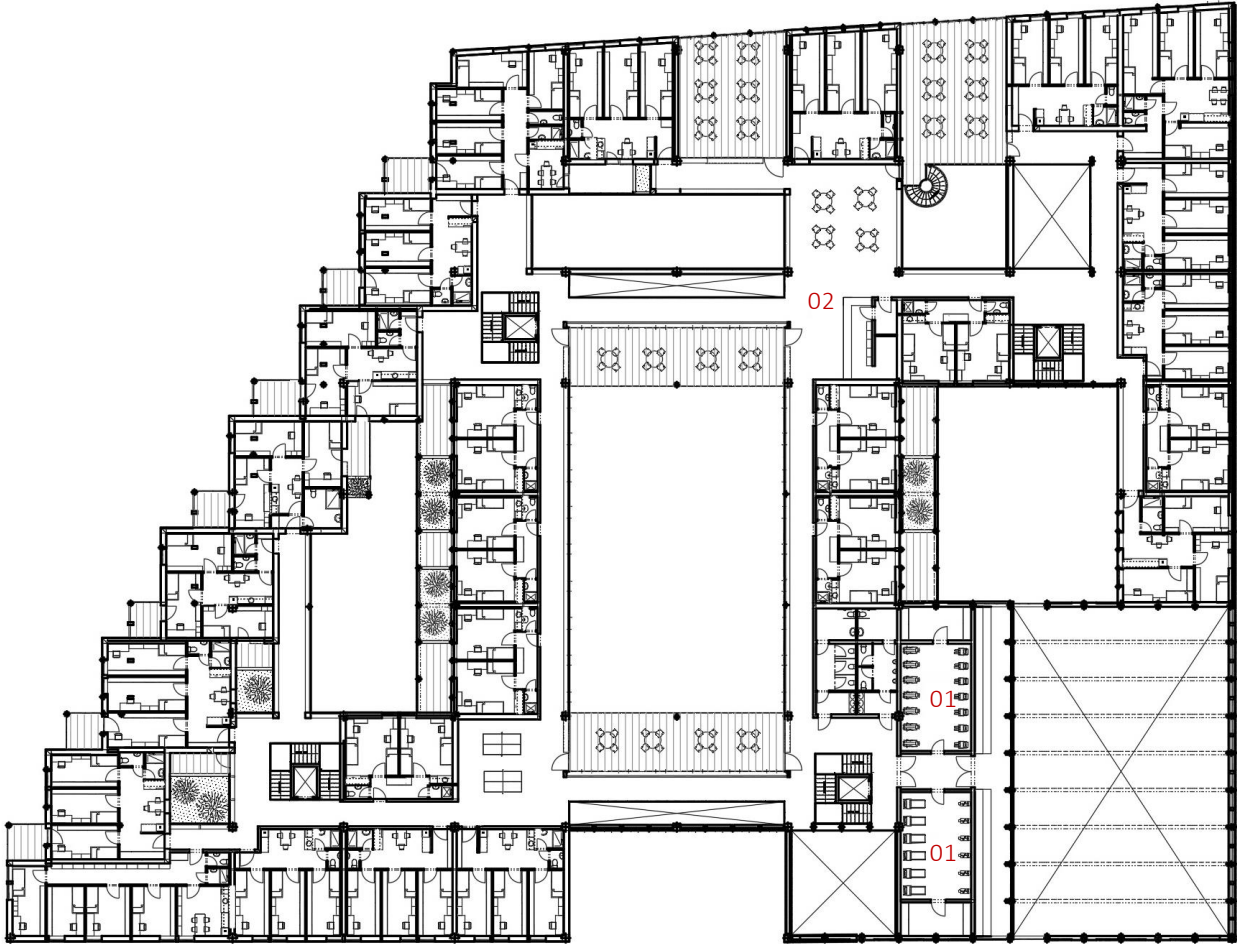
- 01 LAUNDRY ROOM
- 02 SPORTS HALL
- 03 CHANGING ROOM
- 04 UNIT FOR THE DISABLED



0 5 20



4TH FLOOR



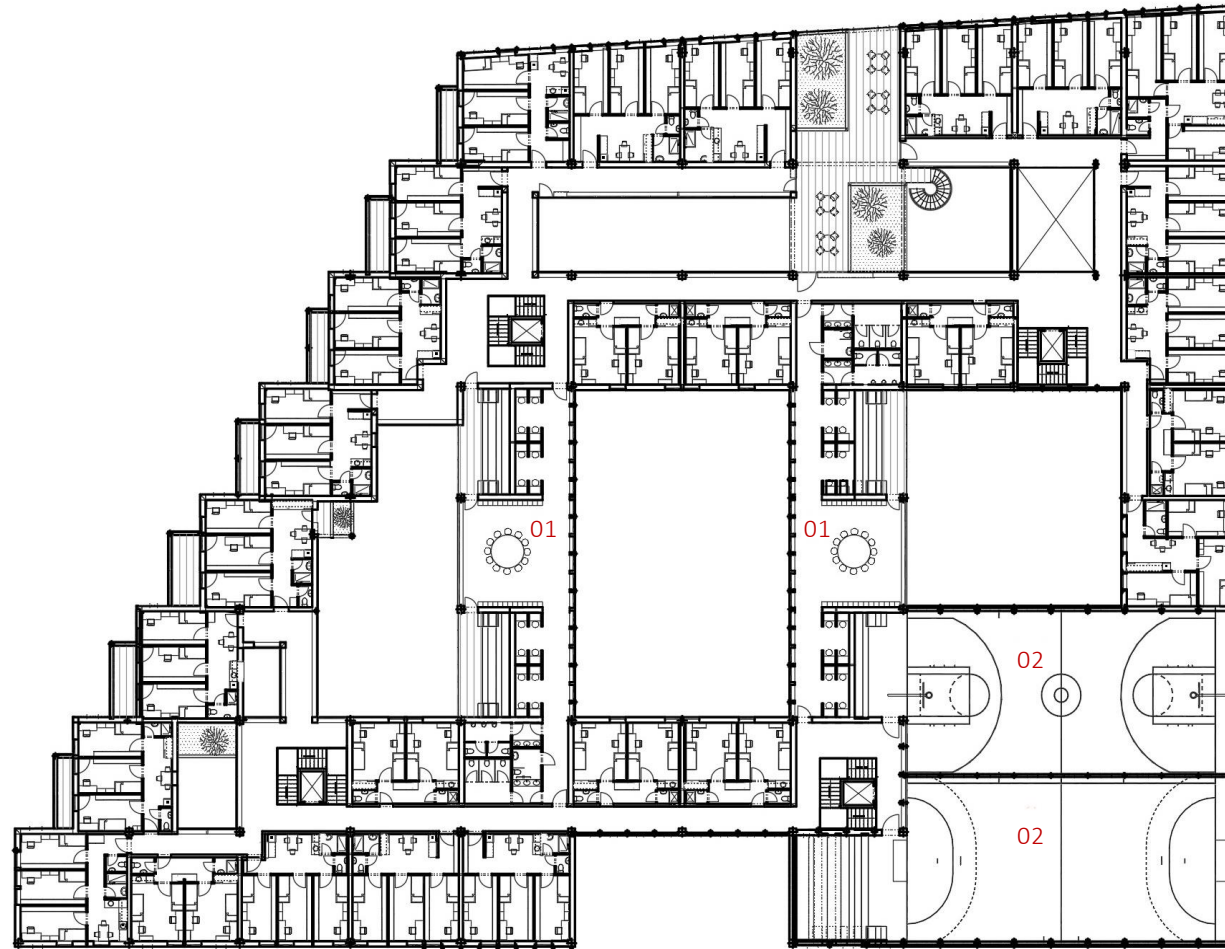
- 01 GYM
- 02 BUFFET



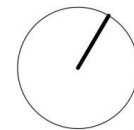
0 5 20



5TH FLOOR



- 01 STUDY ROOM
- 02 SPORTS FIELD



0 5 20

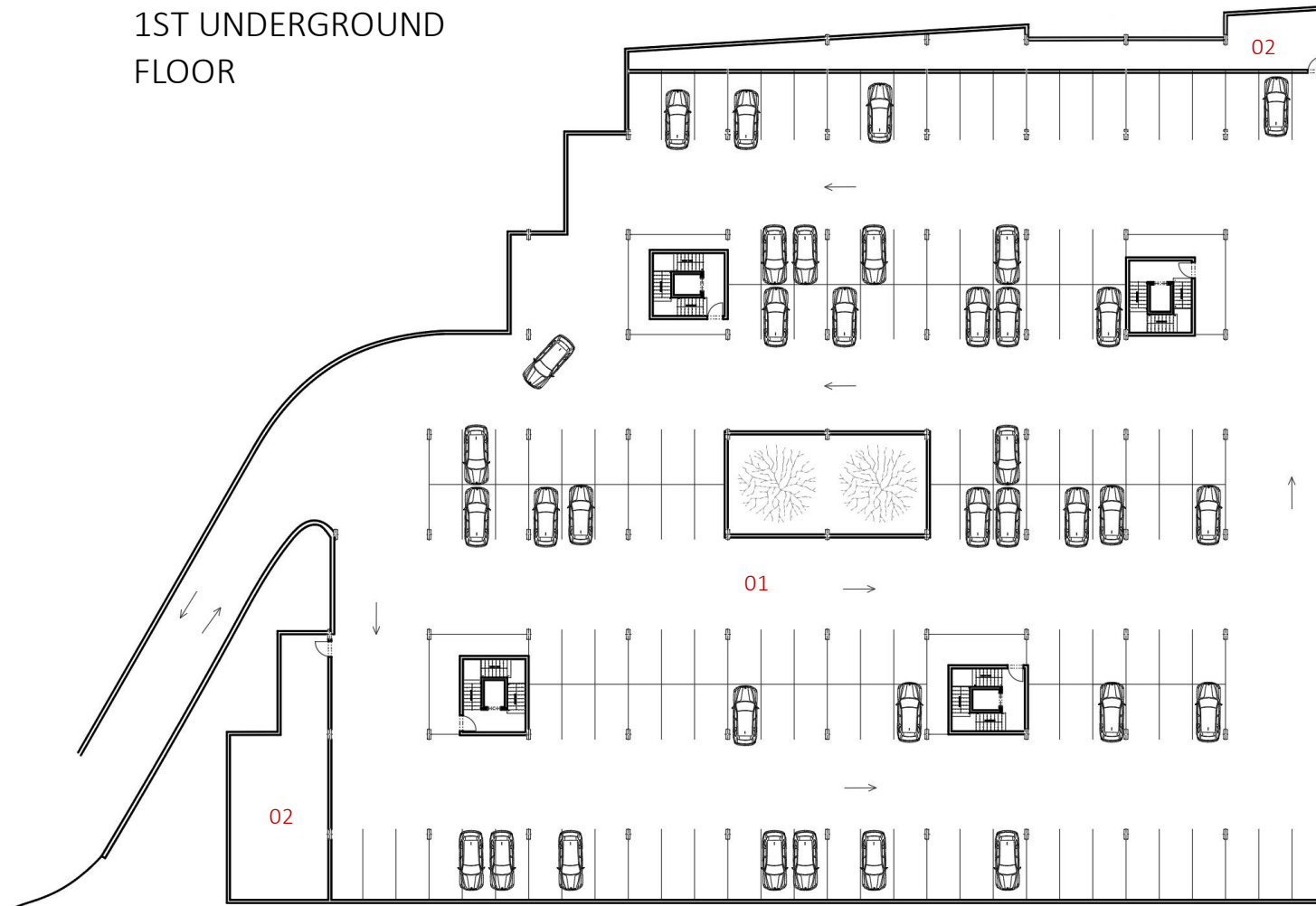


6TH FLOOR

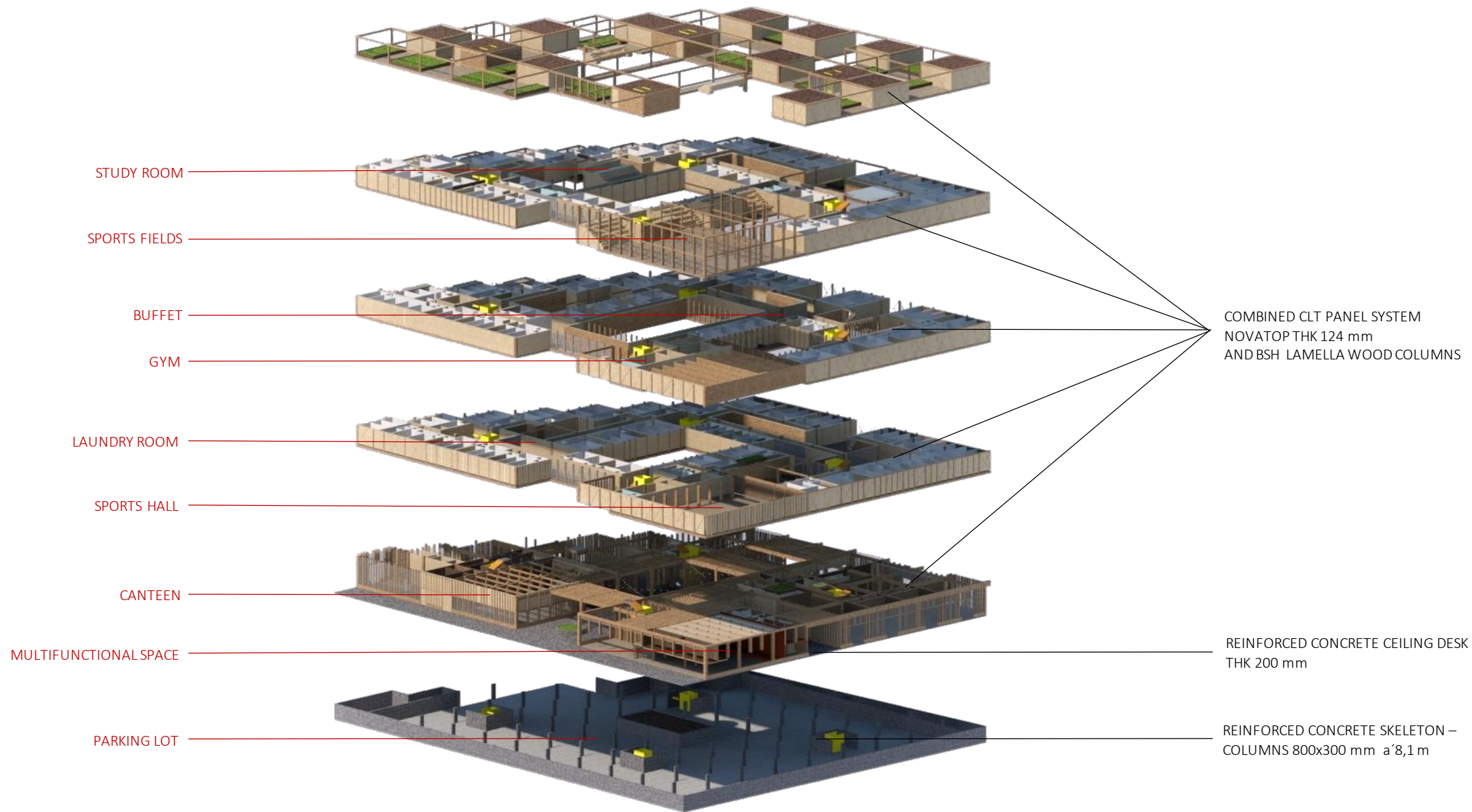




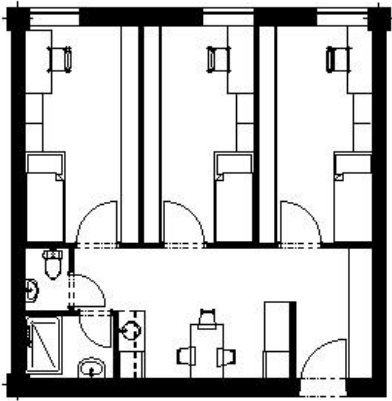
1ST UNDERGROUND
FLOOR



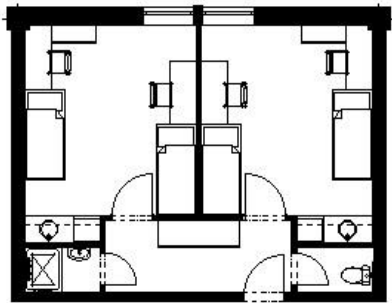
- 01 PARKING LOT (146 PARKING PLACES)
- 02 ENGINEERING ROOM



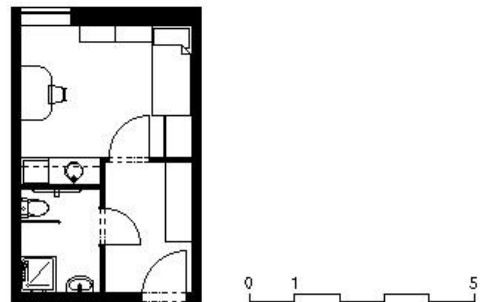
222 UNITS FOR ONE



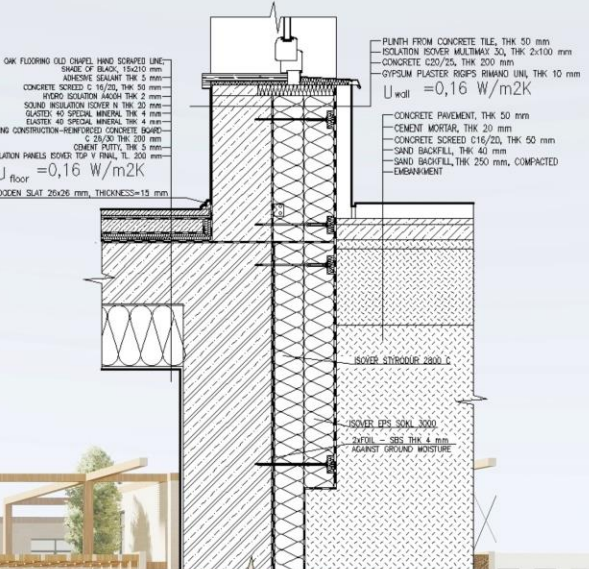
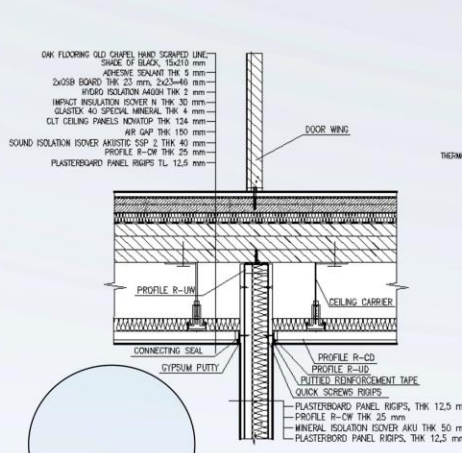
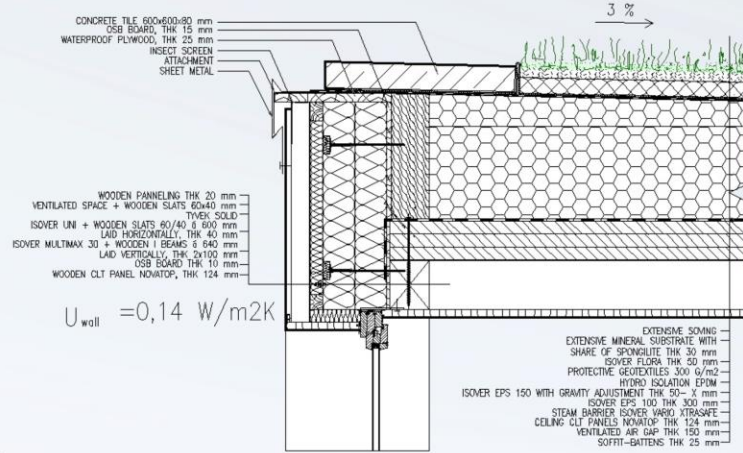
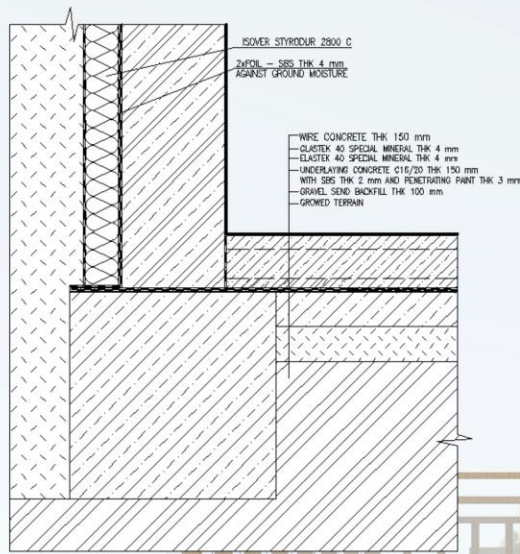
38 UNITS FOR TWO



4 UNITS FOR THE DISABLED









MORNING
LIGHT

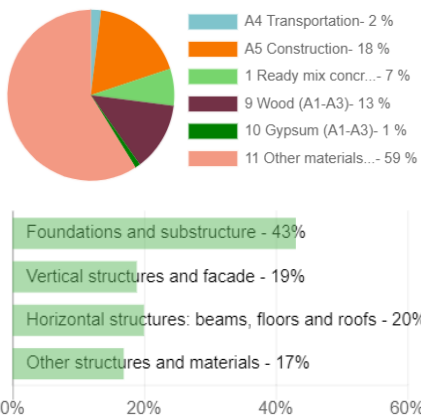
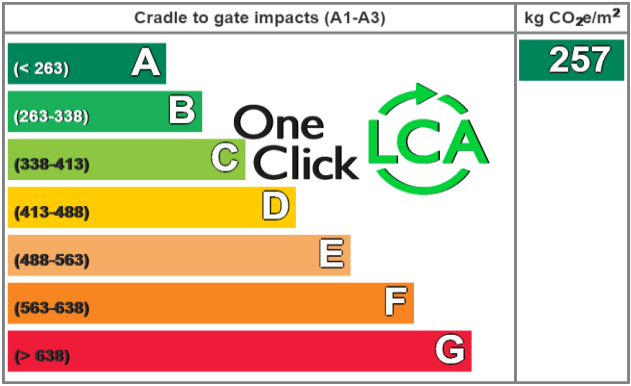


AFTERNOON
LIGHT



HEATING FOIL FENIX ECOFLOOR
WITH WEBER MATERIALS

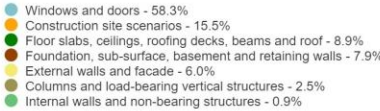
Address	Lubelska 18, Poland
Type	Apartment buildings
Gross Floor Area (m²)	11 288,5



Most contributing materials (Global warming)				
No.	Resource	Cradle to gate impacts (A1-A3)	Of cradle to gate (A1-A3)	
1.	Ready-mix concrete, normal strength, generic	22 kg CO ₂ e	43.4 %	
2.	Cross laminated timber (CLT) board	17 kg CO ₂ e	34.2 %	
3.	Wood-alu frame window, triple-glazed	5,9 kg CO ₂ e	11.9 %	
4.	Sliding door system, MDF board	2,8 kg CO ₂ e	5.6 %	
5.	Engineered wood flooring, 3-layered	1,7 kg CO ₂ e	3.5 %	
6.	Timber frame external wall element, for cold storage, without cladding	0,53 kg CO ₂ e	1.1 %	
7.	Steel stud framing for drywall/gypsum plasterboard per sq. meter of wall area (incl. air gaps per m3)	0,08 kg CO ₂ e	0.2 %	
8.	Gypsum plaster board, regular, generic	0,11 kg CO ₂ e	0.2 %	

Result category	Global warming t CO ₂ e ⓘ	Global warming kg CO ₂ e/m ²	Mass of raw materials t	Mass of raw materials kg/m ²
1 Ready mix concrete (A1-A3)	199	18	2 784	247
4 Steel (A1-A3)	8	1	6	0
9 Wood (A1-A3)	385	34	2 097	186
10 Gypsum (A1-A3)	16	1	48	4
11 Other materials (A1-A3)	1 720	152	724	64
A1-A3 ⓘ Construction Materials	2 328	206	5 659	501
A4 ⓘ Transportation to site	50	4		
A5 ⓘ Construction/installation process	526	47	463	41

Global warming t CO₂e - Classifications



Global warming t CO₂e - Resource types



Global warming t CO₂e - Life-cycle stages



Mass kg - Classifications

