

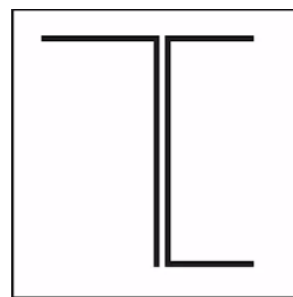
# INSPIRE

## AWARDS

### TALLER COMBES - INSPIRELI AWARDS 2021

FACULTAD DE ARQUITECTURA Y URBANISMO  
UNIVERSIDAD NACIONAL DE TUCUMÁN  
TALLER DE PROYECTO ARQUITECTÓNICO VII/VIII

DOCENTES:  
ARQ. PATRICIA RODRIGUEZ ANIDO  
ARQ. AUGUSTO MONTES DE OCA



HELGUERA, LUZ MARÍA



ITUARTE, ANA LUCÍA



PERSEGUINO, JULIETA

# CONTENT

## 01 LOCATION

GROUND  
IMMEDIATE ENVIROMENT  
GEOGRAPHIC  
CHARACTERISTICS

## 02 PROGRAM

FUNCTIONAL EXPLODED  
VIEW

## 03 IDEA

DESCRIPTIVE MEMORY  
PROCESS  
BUILDING EXPLODED  
VIEW

## 04 PLANIMETRY

AXONOMETRY  
FLOOR PLANS  
SECTIONS

## 05 CONSTRUCTIVE DETAILS

CONSTRUCTIVE DETAILS  
STRUCTURAL EXPLODED  
VIEW

## 06 VIEWS

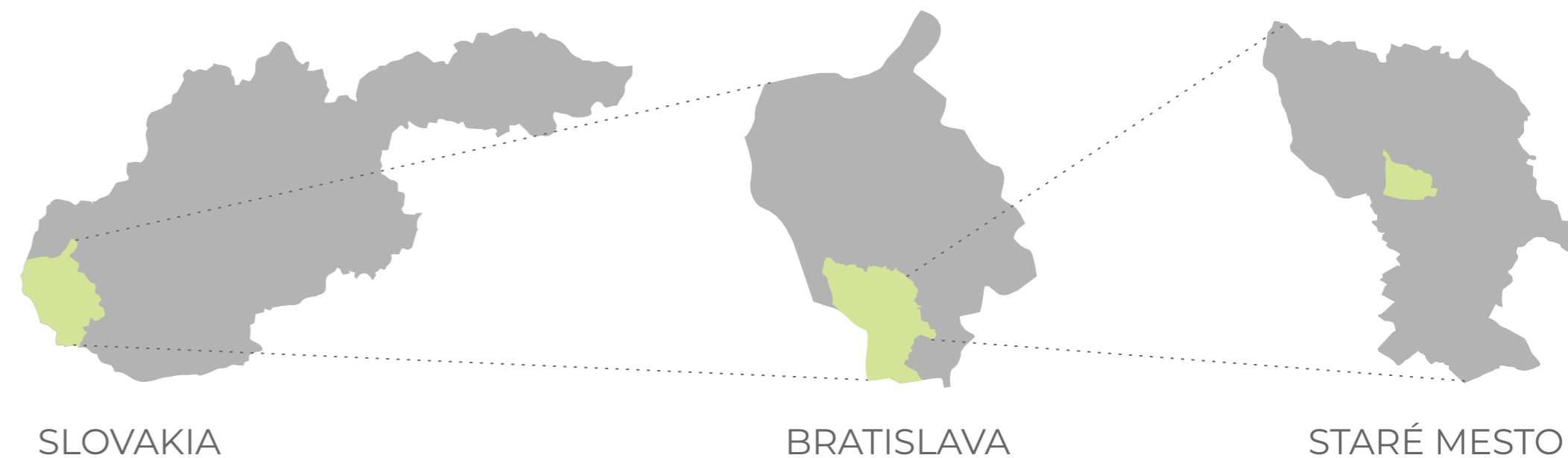
INTERIORS  
EXTERIORS

## 07 MODEL

EXTERIORS

# 01 LOCATION

# 01 LOCATION

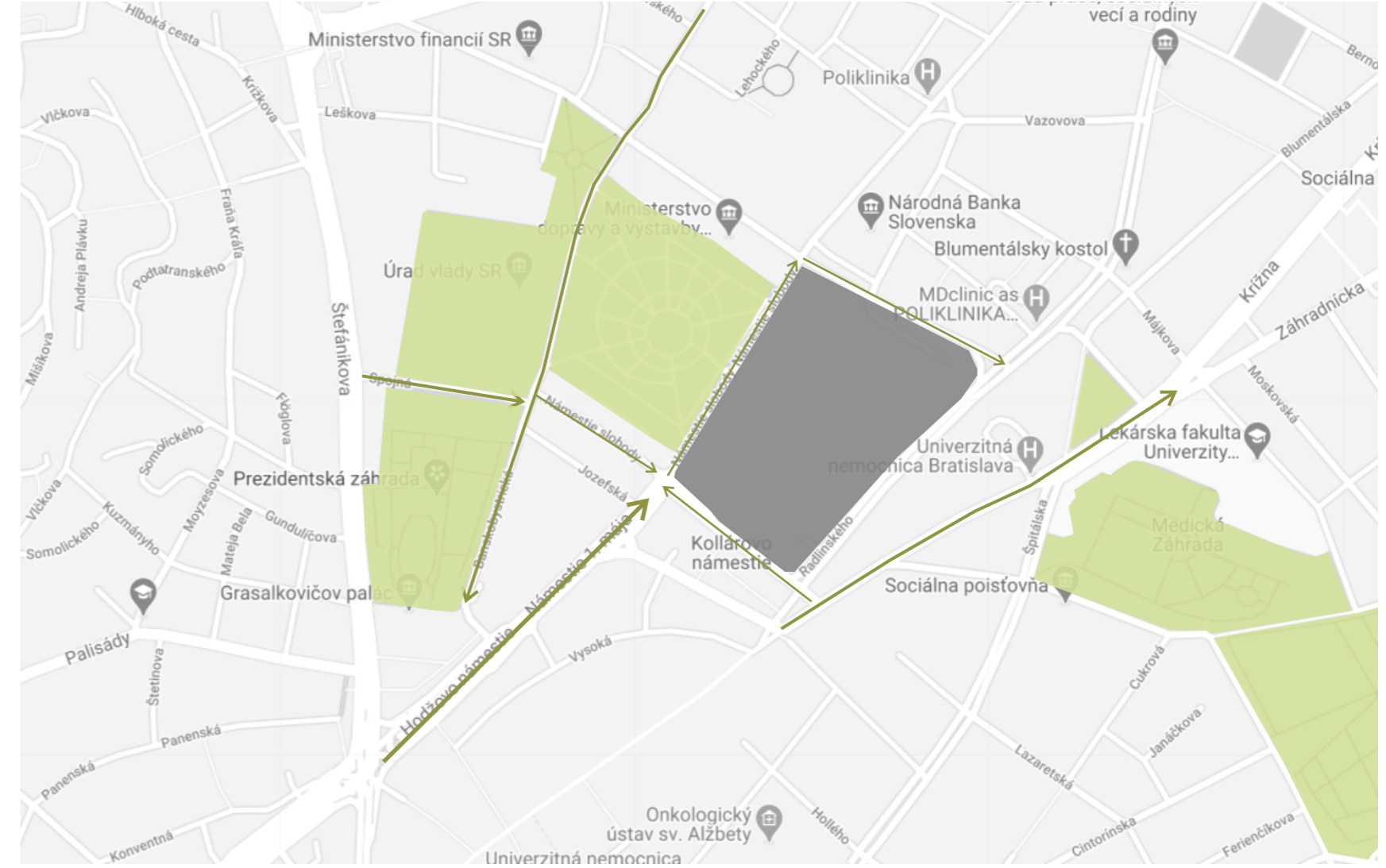


The place to intervene is the Technological University of Slovakia (STU), it's located in Staré Mesto, the historic center and one of the neighborhoods of Bratislava, the capital of Slovakia.

Contains the small but well preserved medieval center, Bratislava castle and other important monuments. Staré Mesto is known for its several churches, its river walk, and its cultural institutions. It also contains most of the embassies of other countries and important Slovak institutions



The land of the "STU innovation center" is located between Freedom Sq., Kollar Sq., calles Starohoská y Radlinská. It is located in the vicinity of important urban public spaces (the squares) and the main development axes that connect the city center with its other parts



TEMPERATURE



Min -3 C° Máx 27 C°

In Bratislava, the summers are hot, the winters are very cold, dry and windy and it is partly cloud all year long

WINDS



16,6 km/h Max 12,2 km/h Min

The windiest part of the year lasts for 6,8 months, from October 23 to May 16. the calmest time of the year lasts 5,2 months from May 16 to October 23.

SNOW



7mm Max

The actual depth of a new snowfall is 5 to 0 times the equivalent amount of liquid. Snow fall less often each year.

HUMIDITY



73% anual

The level of humidity perceived in Bratislava does not vary considerably during the year, and remains between 2% of 2%

TOPOGRAPHY



latitud 48,148° longitud 17,107°

The city is the lowest point on the surface of the Danube, with 126 meters above sea level, and the highestpoint is Devínska Kobyla with 514 meters above sea level. The average altitude is 140m.

RAINFALL



565mm anual

Most of the rain falls during the 31 days centered around June 4 with an average total accumulation of 5 millimeters

EARTHQUAKES



0.63 m/s<sup>2</sup>

Earthquake hazard is rated medium. This means that there is a 10% of probability that a potentially damaging earthquake will happen in the area in the next 50 years

VEGETATION

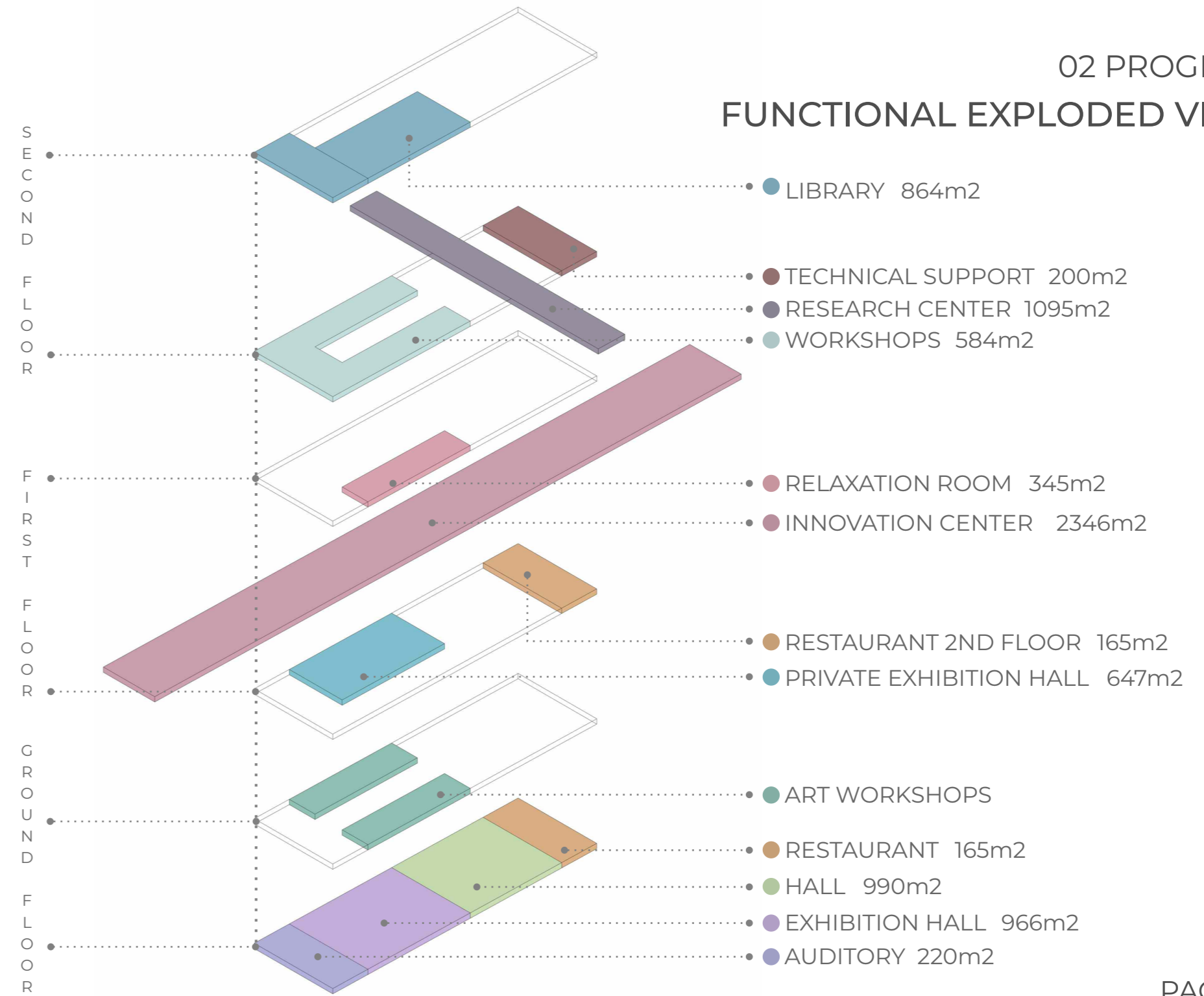


46,8 Km<sup>2</sup> verde

Bratislava forestal park has an abundant and diverse flora and fauna, including snakes, some crabs, european badger, foxes and mouflon maples.

# 02 PROGRAM

## 02 PROGRAM FUNCTIONAL EXPLODED VIEW



Our approach proposes a sustainable use of the existing building, re-functionalizing and providing it with the necessary structure for the new functions it will host.

Due to the intervention located in the center of the block, we decided not to overpass the heights of the faculties that surround it. We also generate connections with these buildings to produce a unit, that has our project as its main character.

To achieve such unions we create two volumes: the first one, next to the former laboratory, and the other one,

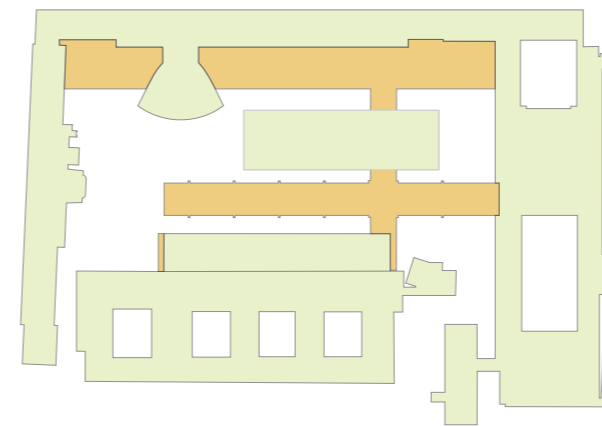
In the opposite direction, through the main hall, getting the feeling of a floating volume inside the building.

We also unify soil levels within the block lung, since there is currently a significant gap between both ends of it.

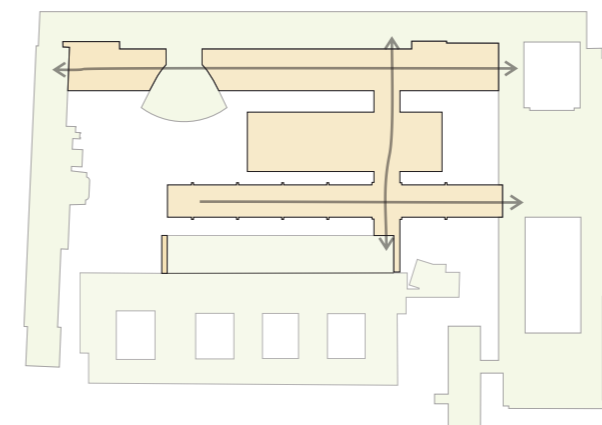
For this, we propose a difference in level of 4 meters in the center of the block, where we will place a dry square.

Finally we consider necessary to prevent traffic, in order to create specific spaces for the pedestrians, for this we generate a large parking lot on the underground floor that can accommodate the flow of vehicles the faculty currently has.

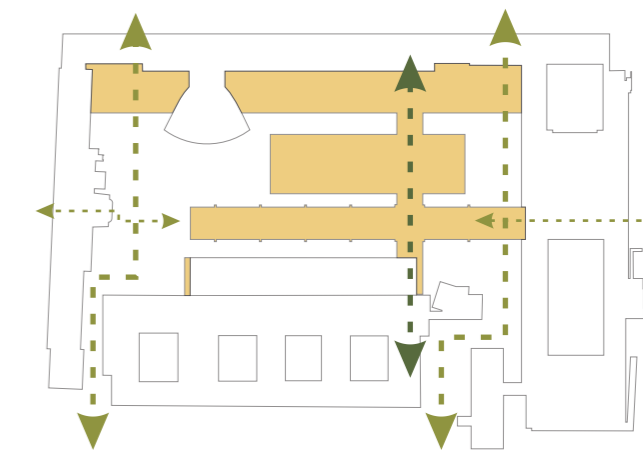
DIFFERENT VOLUMES WITH DIFFERENT ACTIVITIES



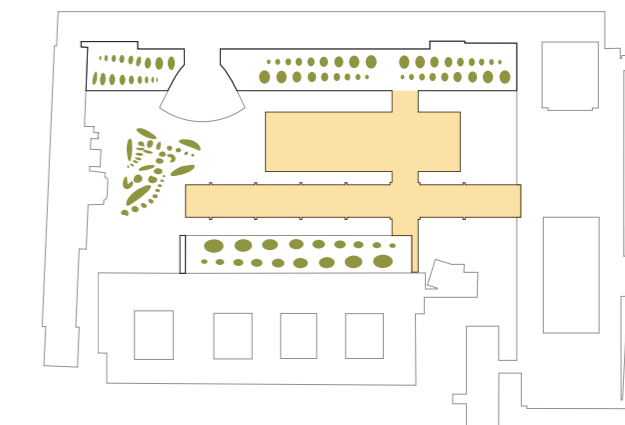
CONNECTION BETWEEN THE NEW BUILDINGS



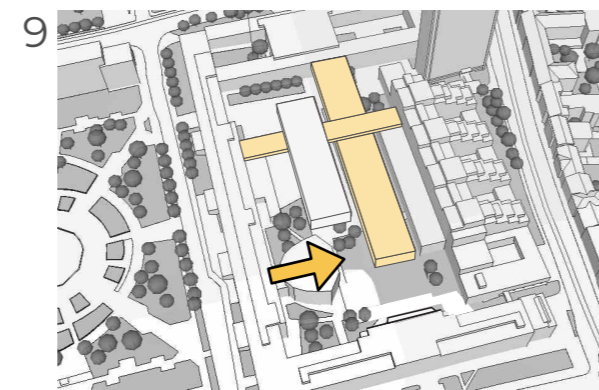
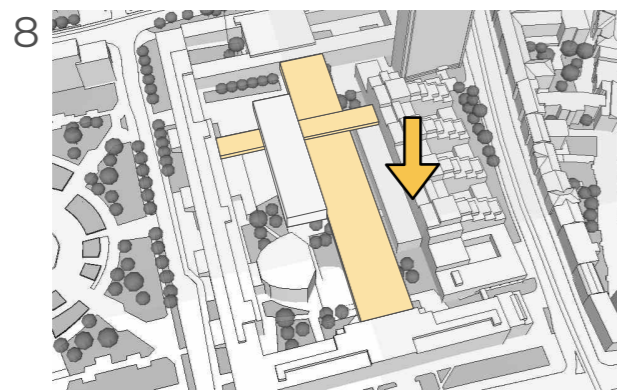
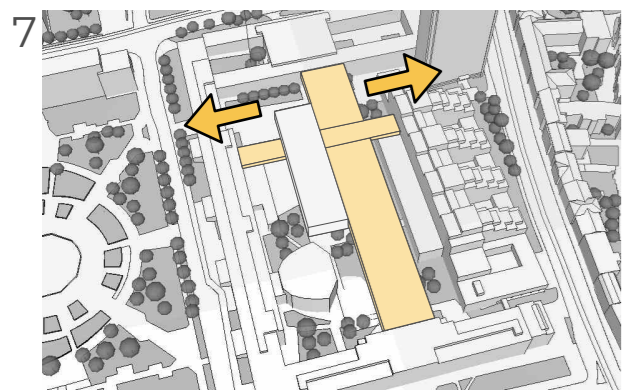
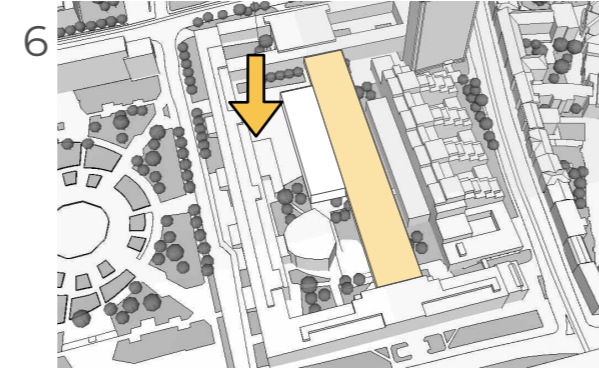
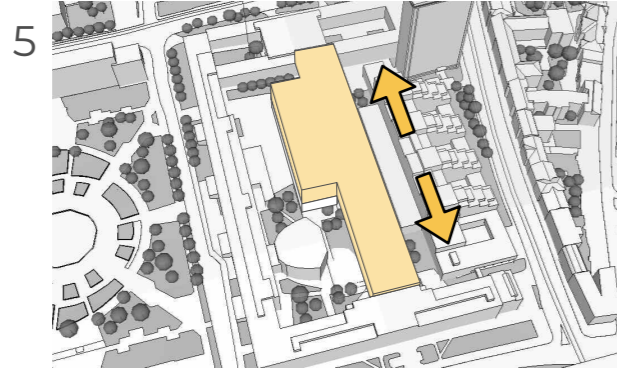
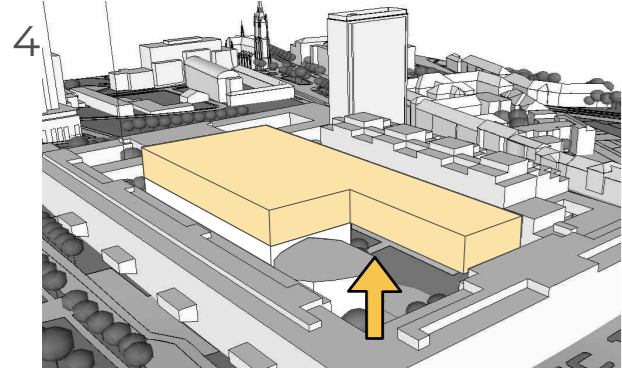
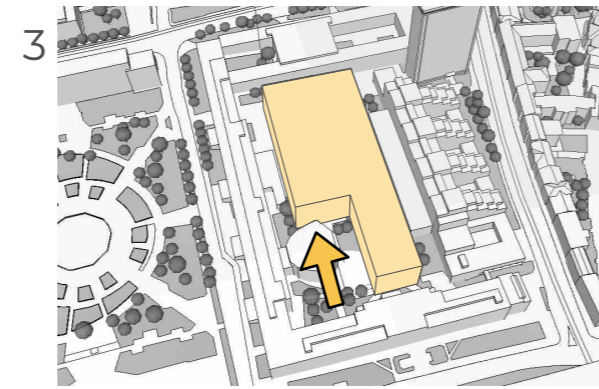
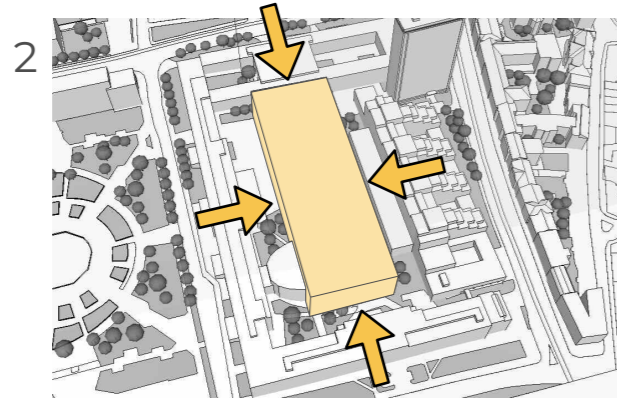
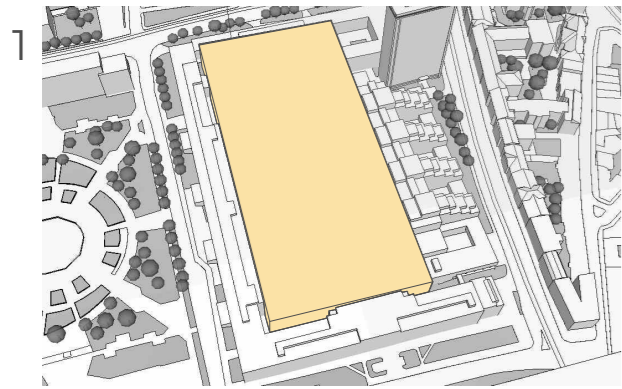
CONNECTION TO EXISTING BUILDINGS



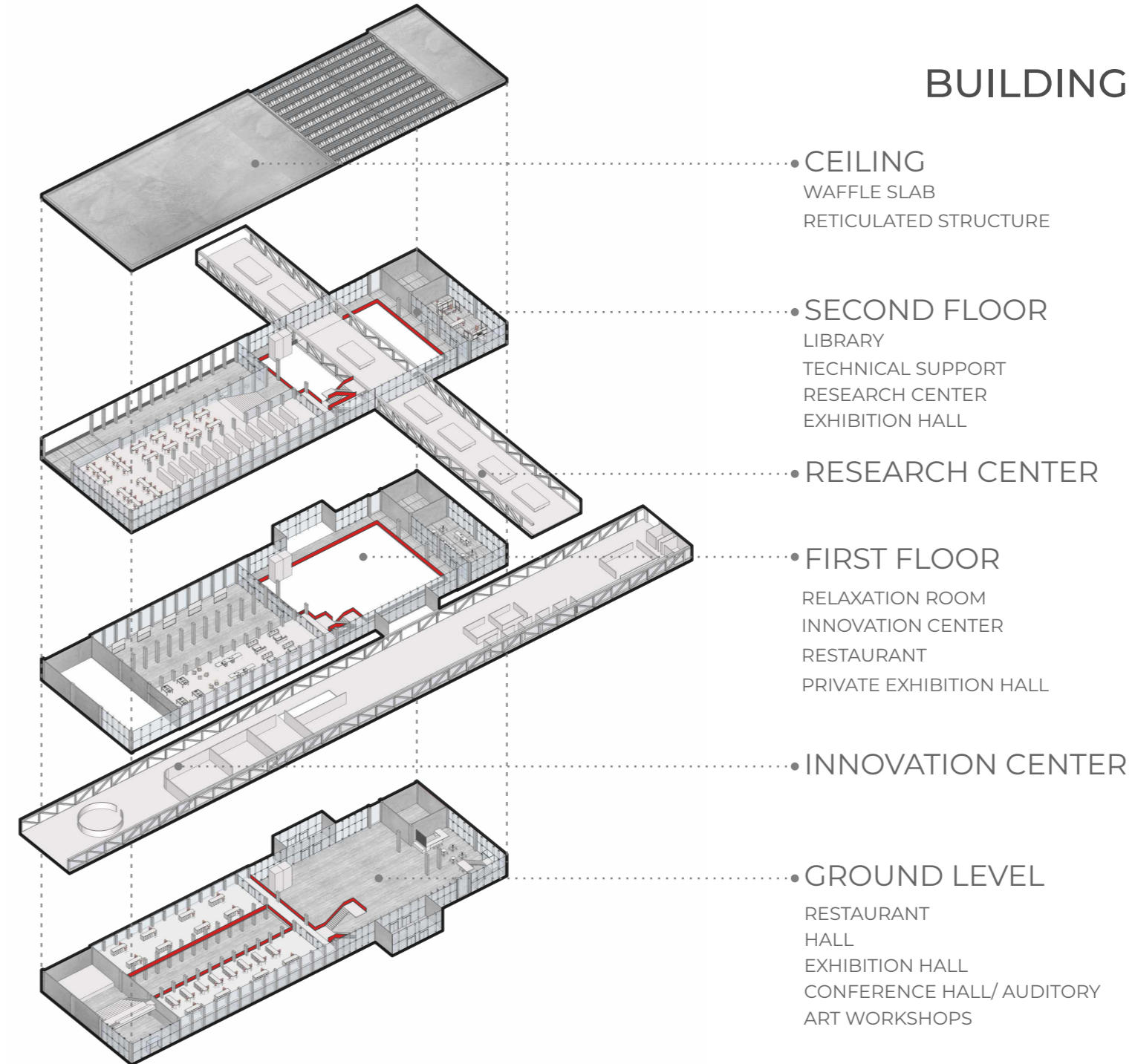
GENERATE MORE GREEN AREAS



03 IDEA  
PROCESS

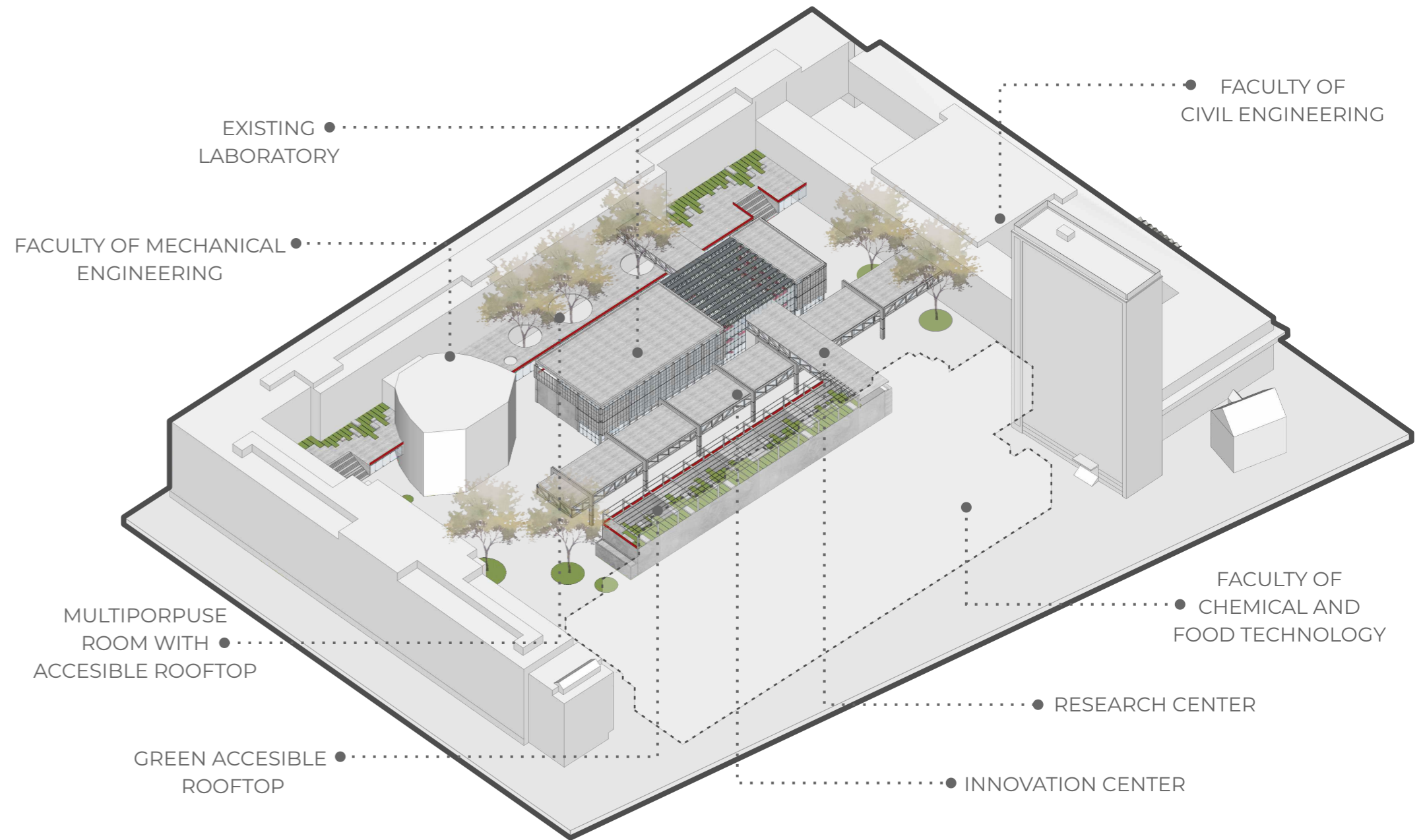


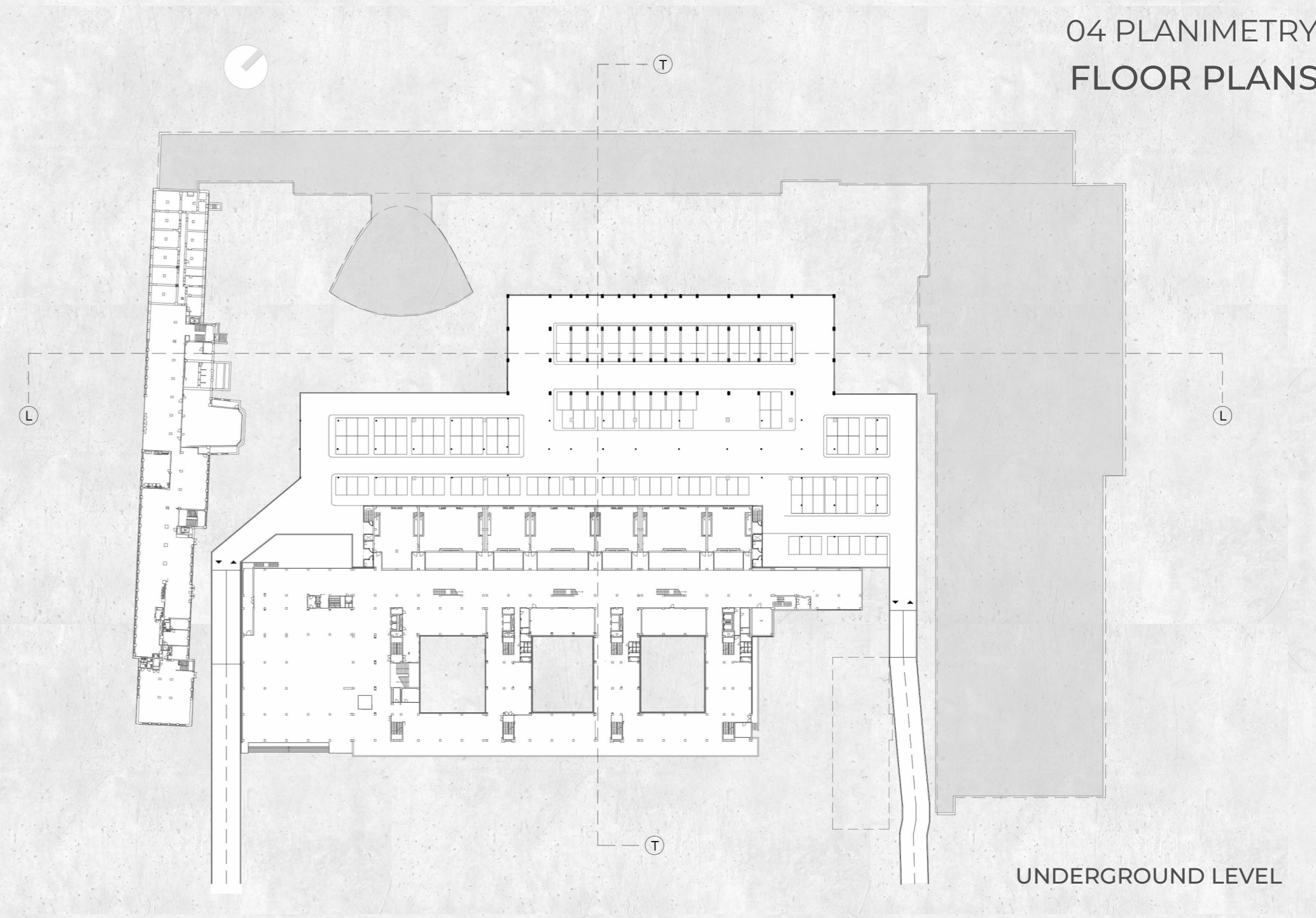
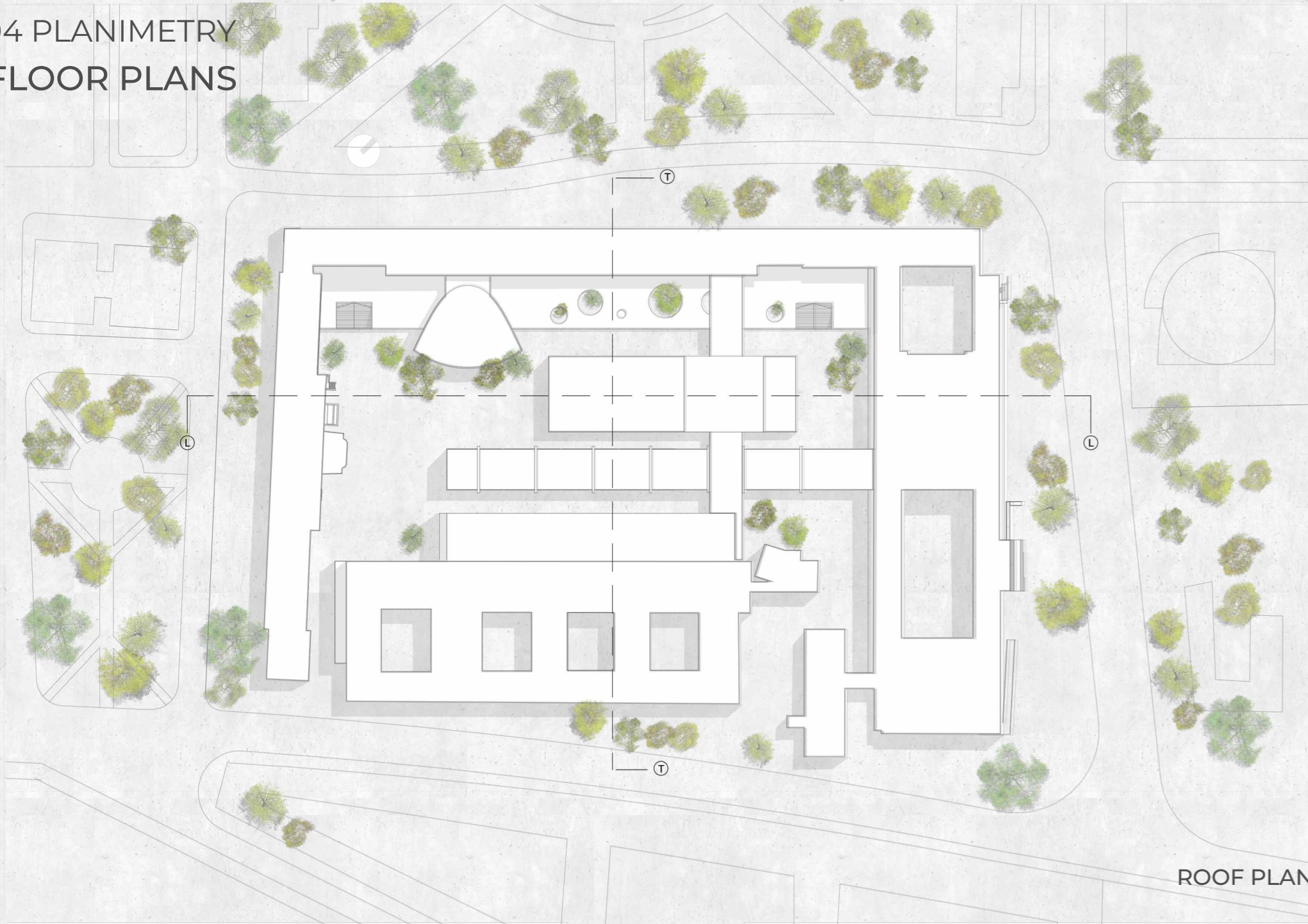
03 IDEA  
BUILDING EXPLODED VIEW



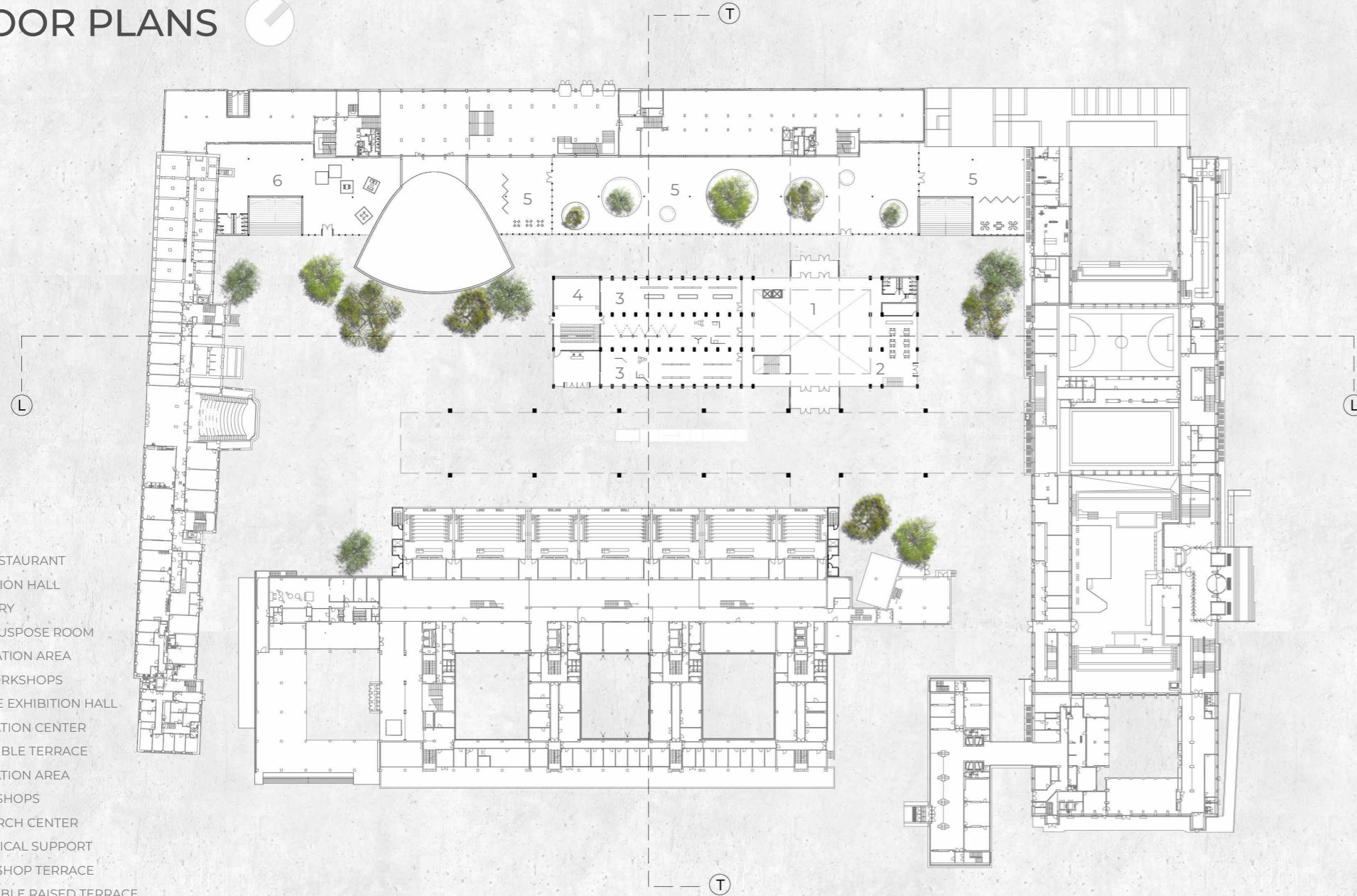
# 04 PLANIMETRY

# 04 PLANIMETRY AXONOMETRY





04 PLANIMETRY  
FLOOR PLANS



- 1. HALL
- 2. BAR/RESTAURANT
- 3. EXHIBITION HALL
- 4. AUDITORY
- 5. MULTIPUSPOSE ROOM
- 6. RECREATION AREA
- 7. ART WORKSHOPS
- 8. PRIVATE EXHIBITION HALL
- 9. INNOVATION CENTER
- 10. ACESIBLE TERRACE
- 11. RELAXATION AREA
- 12. WORKSHOPS
- 13. RESEARCH CENTER
- 14. TECHNICAL SUPPORT
- 15. WORKSHOP TERRACE
- 16. ACESIBLE RAISED TERRACE
- 17. LIBRARY

GROUND LEVEL

04 PLANIMETRY  
FLOOR PLANS



- 1. HALL
- 2. BAR/RESTAURANT
- 3. EXHIBITION HALL
- 4. AUDITORY
- 5. MULTIPUSPOSE ROOM
- 6. RECREATION AREA
- 7. ART WORKSHOPS
- 8. PRIVATE EXHIBITION HALL
- 9. INNOVATION CENTER
- 10. ACESIBLE TERRACE
- 11. RELAXATION AREA
- 12. WORKSHOPS
- 13. RESEARCH CENTER
- 14. TECHNICAL SUPPORT
- 15. WORKSHOP TERRACE
- 16. ACESIBLE RAISED TERRACE
- 17. LIBRARY

GROUND FLOOR MEZZANINE

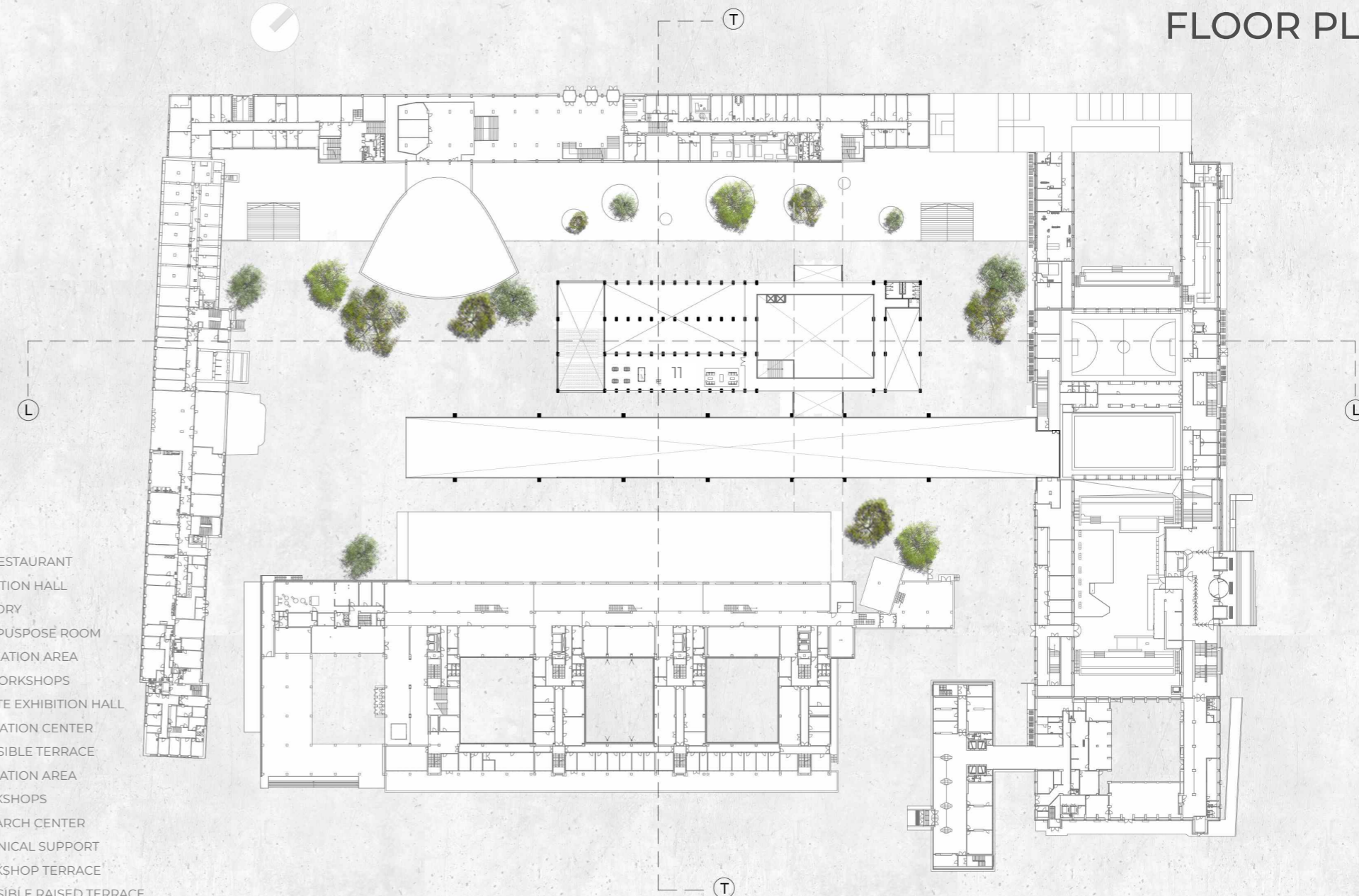
04 PLANIMETRY  
FLOOR PLANS



- 1. HALL
- 2. BAR/RESTAURANT
- 3. EXHIBITION HALL
- 4. AUDITORY
- 5. MULTIPURPOSE ROOM
- 6. RECREATION AREA
- 7. ART WORKSHOPS
- 8. PRIVATE EXHIBITION HALL
- 9. INNOVATION CENTER
- 10. ACCESSIBLE TERRACE
- 11. RELAXATION AREA
- 12. WORKSHOPS
- 13. RESEARCH CENTER
- 14. TECHNICAL SUPPORT
- 15. WORKSHOP TERRACE
- 16. ACCESSIBLE RAISED TERRACE
- 17. LIBRARY

FIRST FLOOR PLAN

04 PLANIMETRY  
FLOOR PLANS



- 1. HALL
- 2. BAR/RESTAURANT
- 3. EXHIBITION HALL
- 4. AUDITORY
- 5. MULTIPURPOSE ROOM
- 6. RECREATION AREA
- 7. ART WORKSHOPS
- 8. PRIVATE EXHIBITION HALL
- 9. INNOVATION CENTER
- 10. ACCESSIBLE TERRACE
- 11. RELAXATION AREA
- 12. WORKSHOPS
- 13. RESEARCH CENTER
- 14. TECHNICAL SUPPORT
- 15. WORKSHOP TERRACE
- 16. ACCESSIBLE RAISED TERRACE
- 17. LIBRARY

FIRST FLOOR MEZZANINE

04 PLANIMETRY  
FLOOR PLANS



- 1. HALL
- 2. BAR/RESTAURANT
- 3. EXHIBITION HALL
- 4. AUDITORY
- 5. MULTIPURPOSE ROOM
- 6. RECREATION AREA
- 7. ART WORKSHOPS
- 8. PRIVATE EXHIBITION HALL
- 9. INNOVATION CENTER
- 10. ACCESSIBLE TERRACE
- 11. RELAXATION AREA
- 12. WORKSHOPS
- 13. RESEARCH CENTER
- 14. TECHNICAL SUPPORT
- 15. WORKSHOP TERRACE
- 16. ACCESSIBLE RAISED TERRACE
- 17. LIBRARY

SECOND FLOOR PLAN

04 PLANIMETRY  
FLOOR PLANS

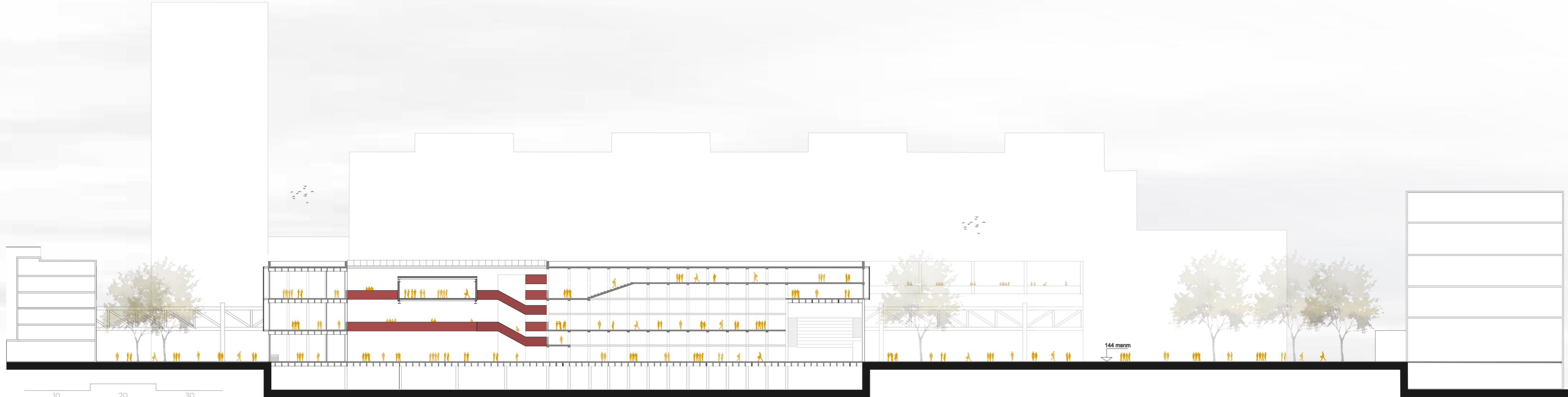


- 1. HALL
- 2. BAR/RESTAURANT
- 3. EXHIBITION HALL
- 4. AUDITORY
- 5. MULTIPURPOSE ROOM
- 6. RECREATION AREA
- 7. ART WORKSHOPS
- 8. PRIVATE EXHIBITION HALL
- 9. INNOVATION CENTER
- 10. ACCESSIBLE TERRACE
- 11. RELAXATION AREA
- 12. WORKSHOPS
- 13. RESEARCH CENTER
- 14. TECHNICAL SUPPORT
- 15. WORKSHOP TERRACE
- 16. ACCESSIBLE RAISED TERRACE
- 17. LIBRARY

SECOND FLOOR MEZZANINE



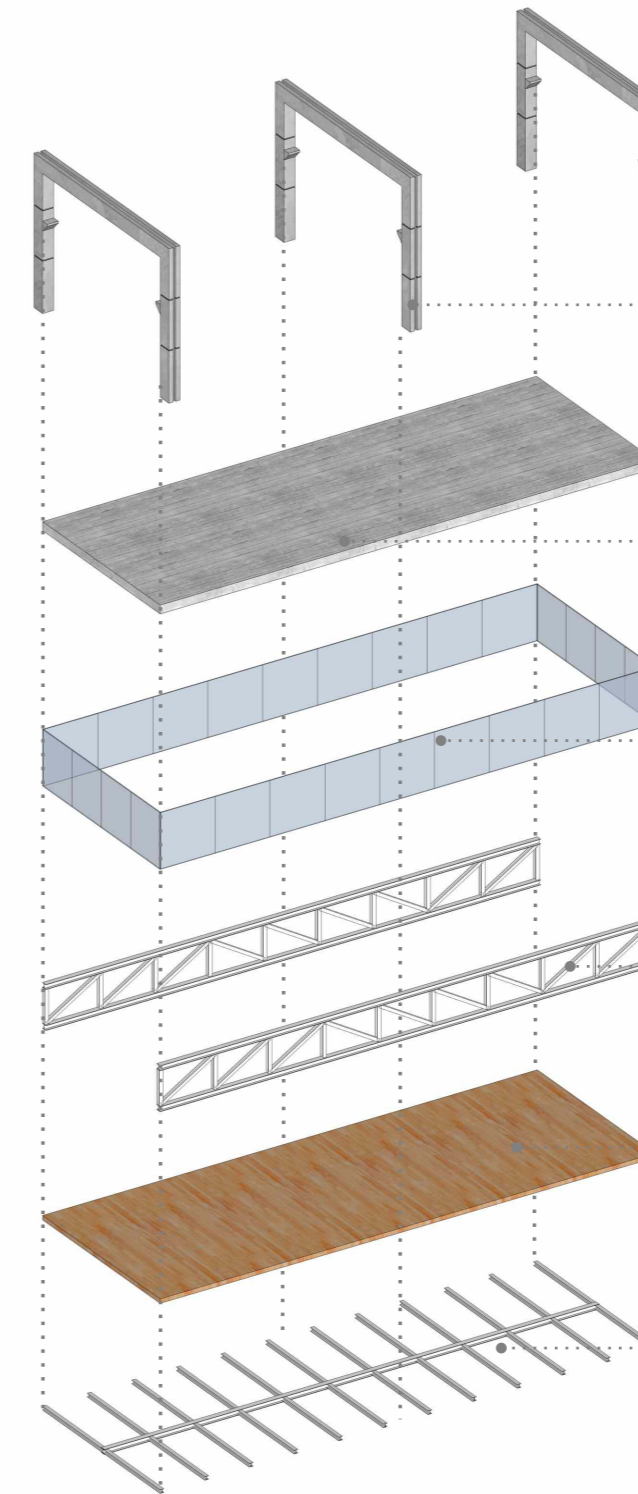
CROSS SECTION



LONGITUDINAL SECTION

# 05 CONSTRUCTIVE DETAILS

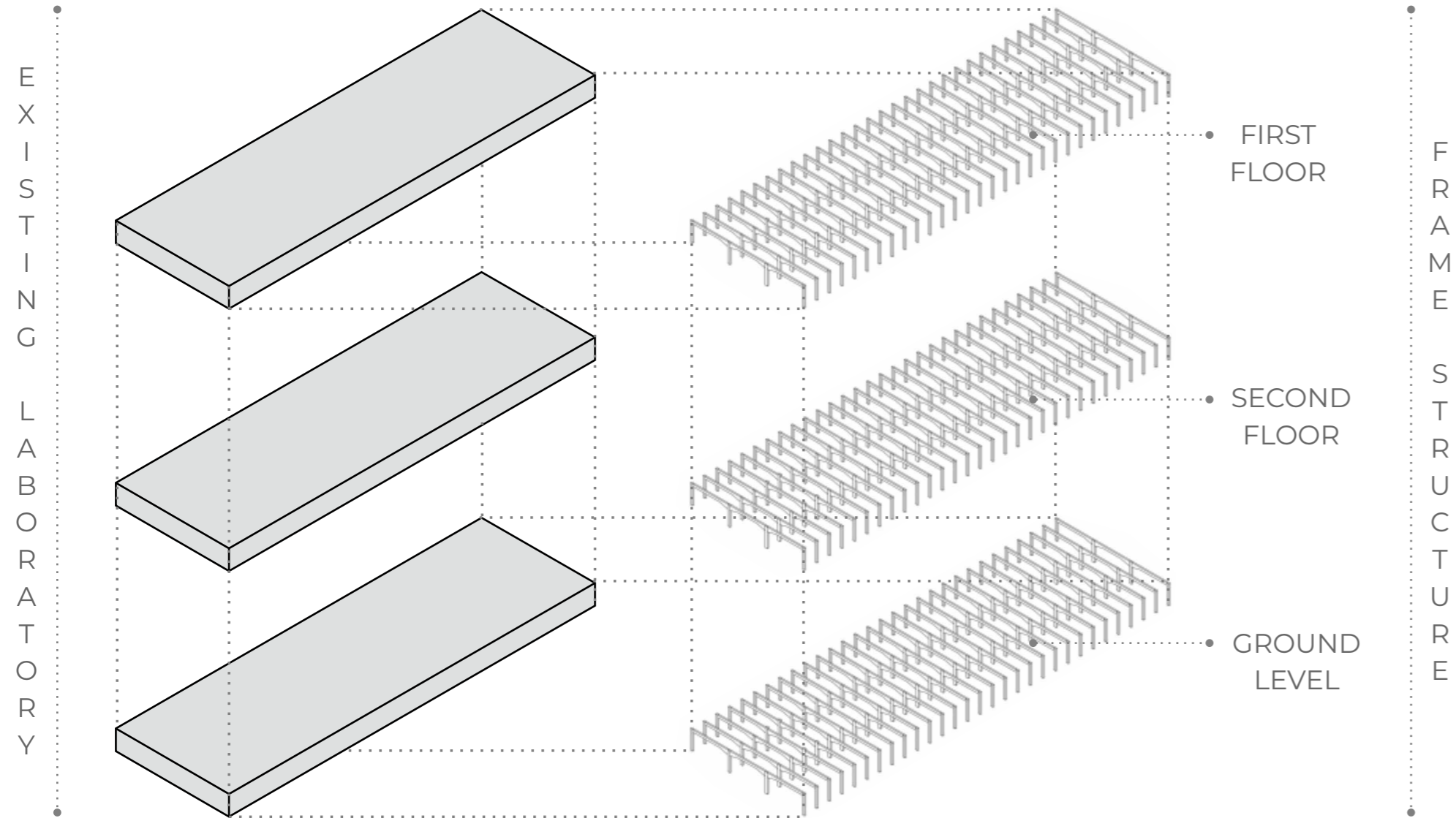
I  
N  
N  
O  
V  
A  
T  
I  
O  
N  
C  
E  
N  
T  
E  
R



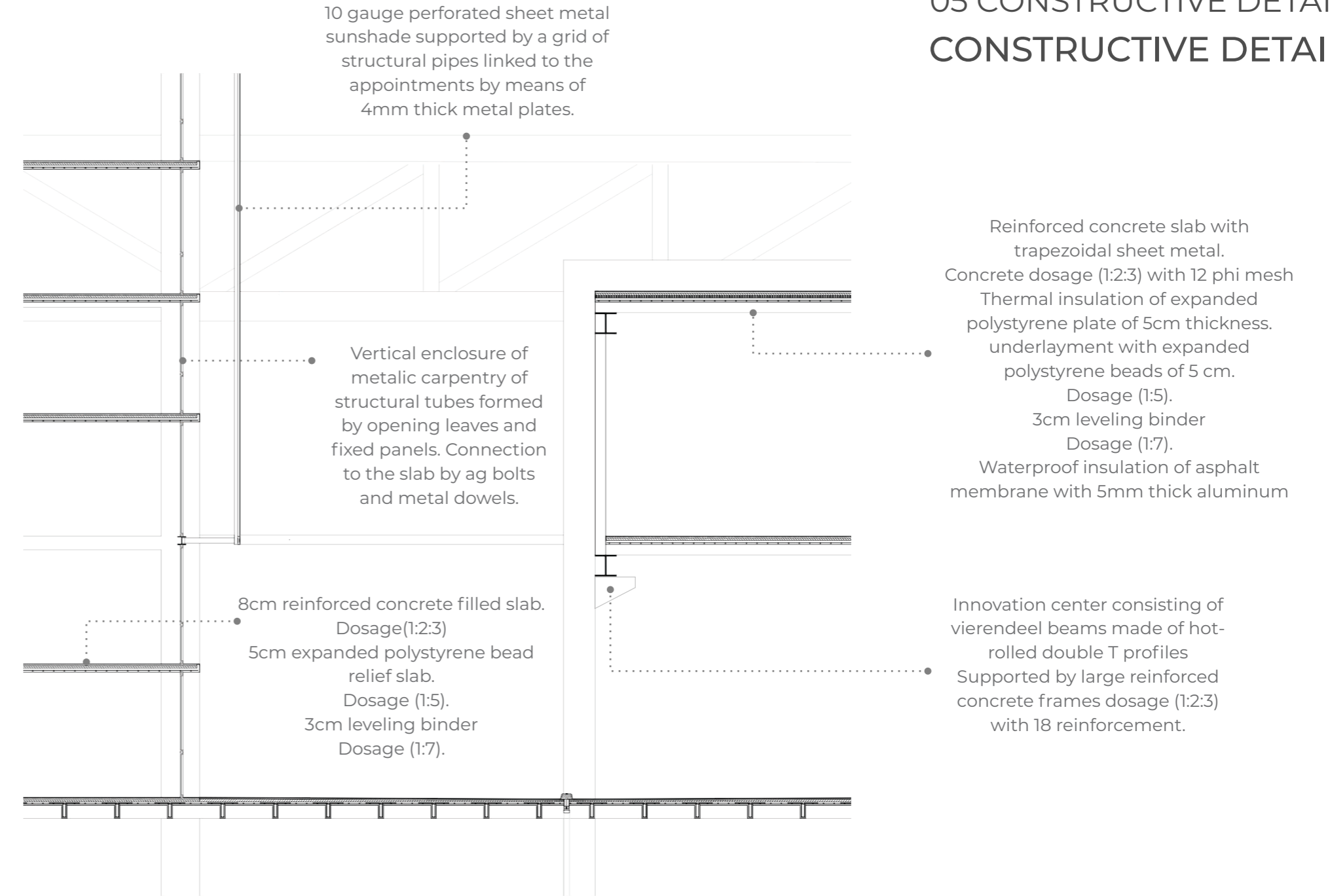
## 05 CONSTRUCTIVE DETAILS ESTRUCTURAL EXPLODED VIEW

- **SUPPORT STRUCTURE**  
FRAME STRUCTURE WITH BRACKETS  
TO SUPPORT THE METAL STRUCTURE
- **CEILING**  
CONCRETE COLLABORATIVE SLAB  
STEEL DECK SISTEM
- **HORIZONTAL ENCLOSURE**  
HERMETIC TRIPLE GLAZED CLOTH  
(4/12/4/12/3+3 = 38mm)
- **SUPPORT STRUCTURE**  
RETICULATED BEAM FORMED BY IPN  
PROFILES
- **HORIZONTAL ENCLOSURE**  
MEZZANINE OF WOODEN BOARDS WITH ACUSTIC  
INSULATION OF CORK BOARD 8mm
- **SUPPORT STRUCTURE**  
IPN PROFILES ANCHORED TO THE BOTTON  
OF THE RETICULATED BEAM

05 CONSTRUCTIVE DETAILS  
 ESTRUCTURAL EXPLODED VIEW

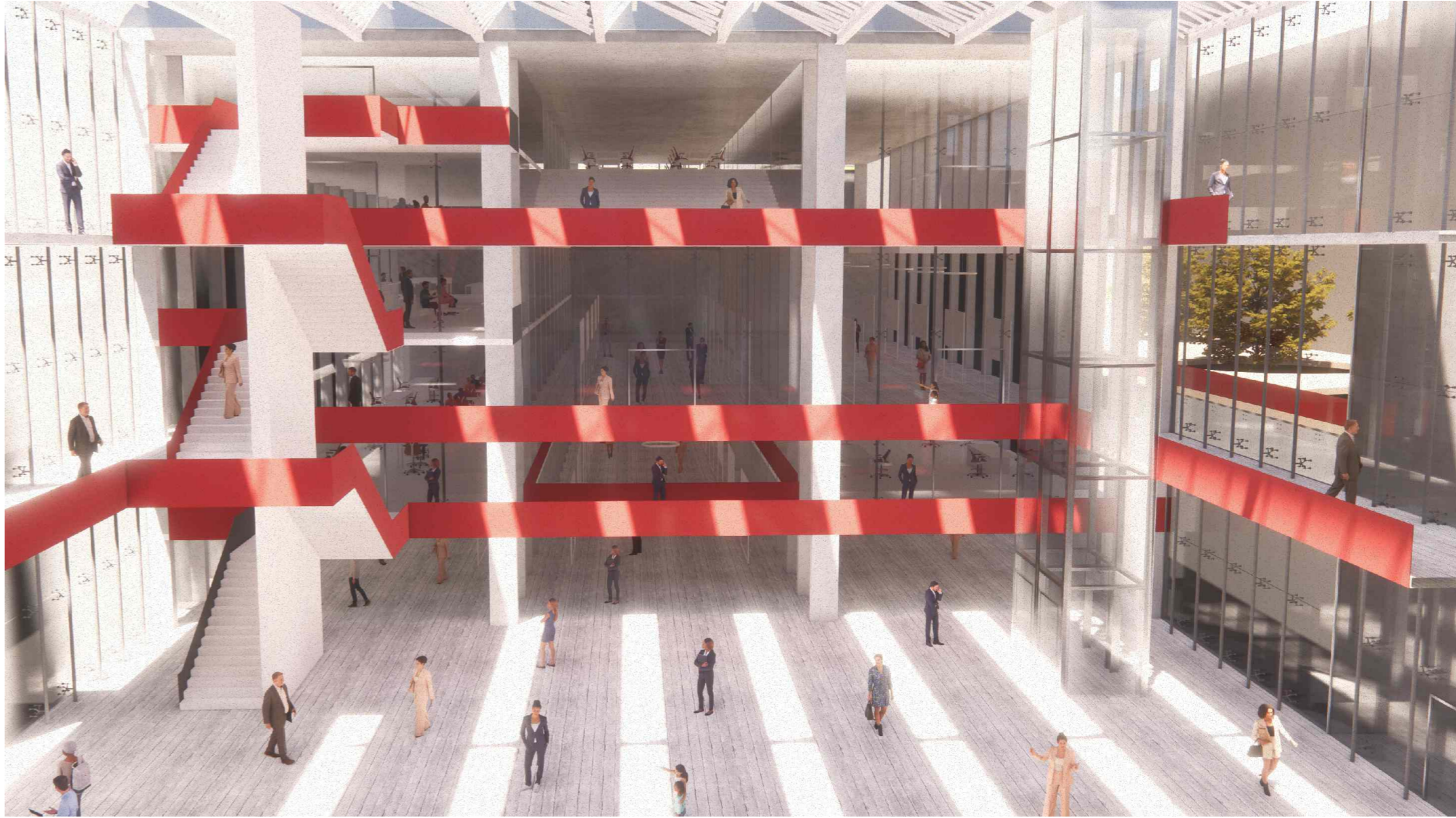


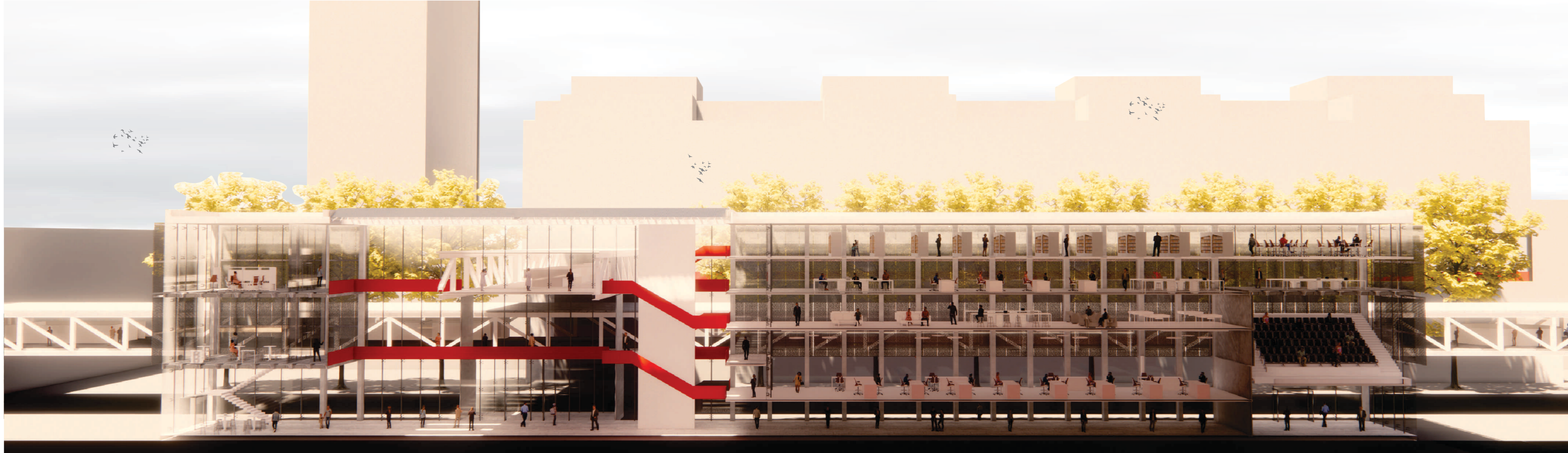
05 CONSTRUCTIVE DETAILS  
 CONSTRUCTIVE DETAILS





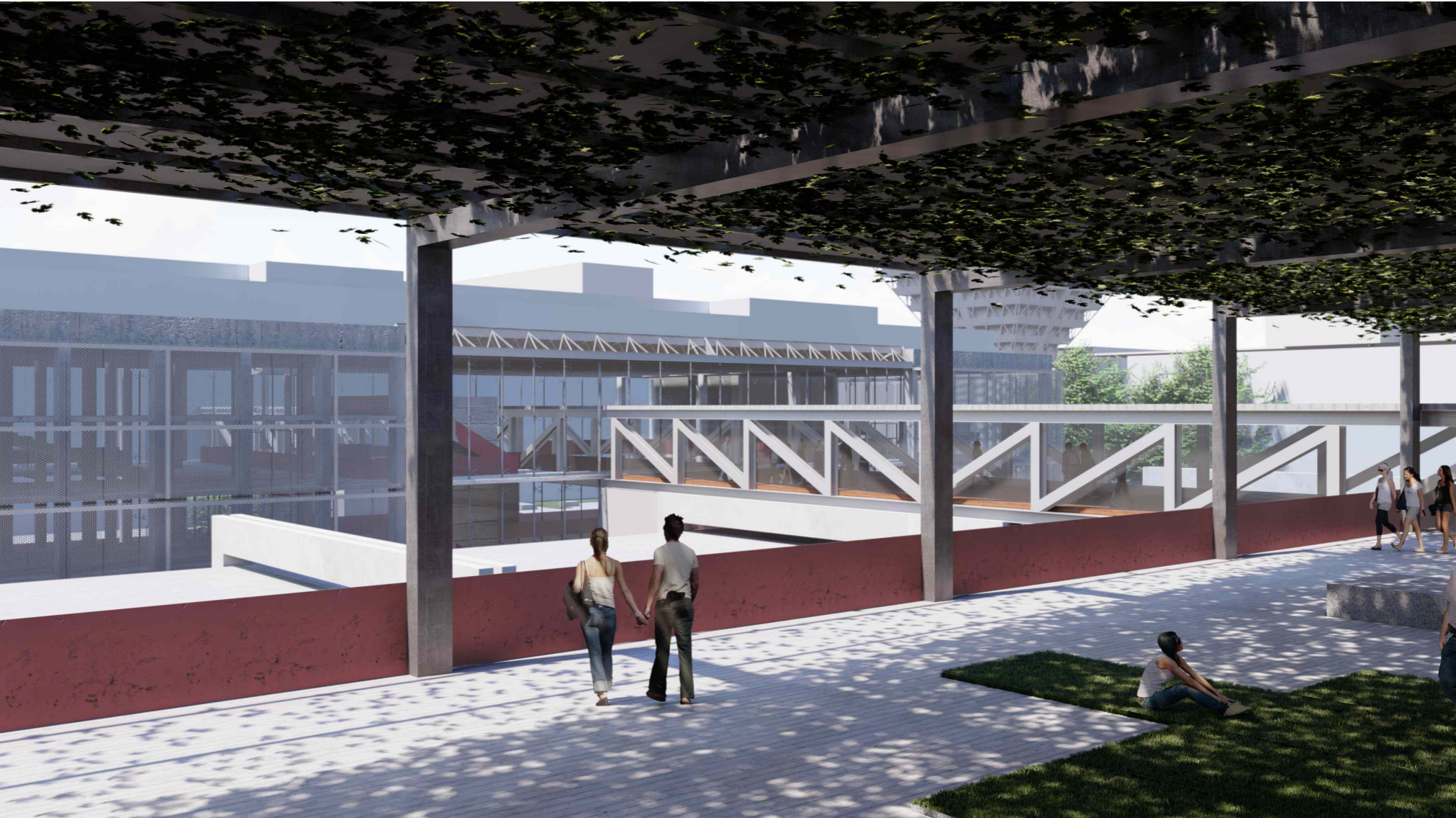
PERSPECTIVE CROSS SECTION





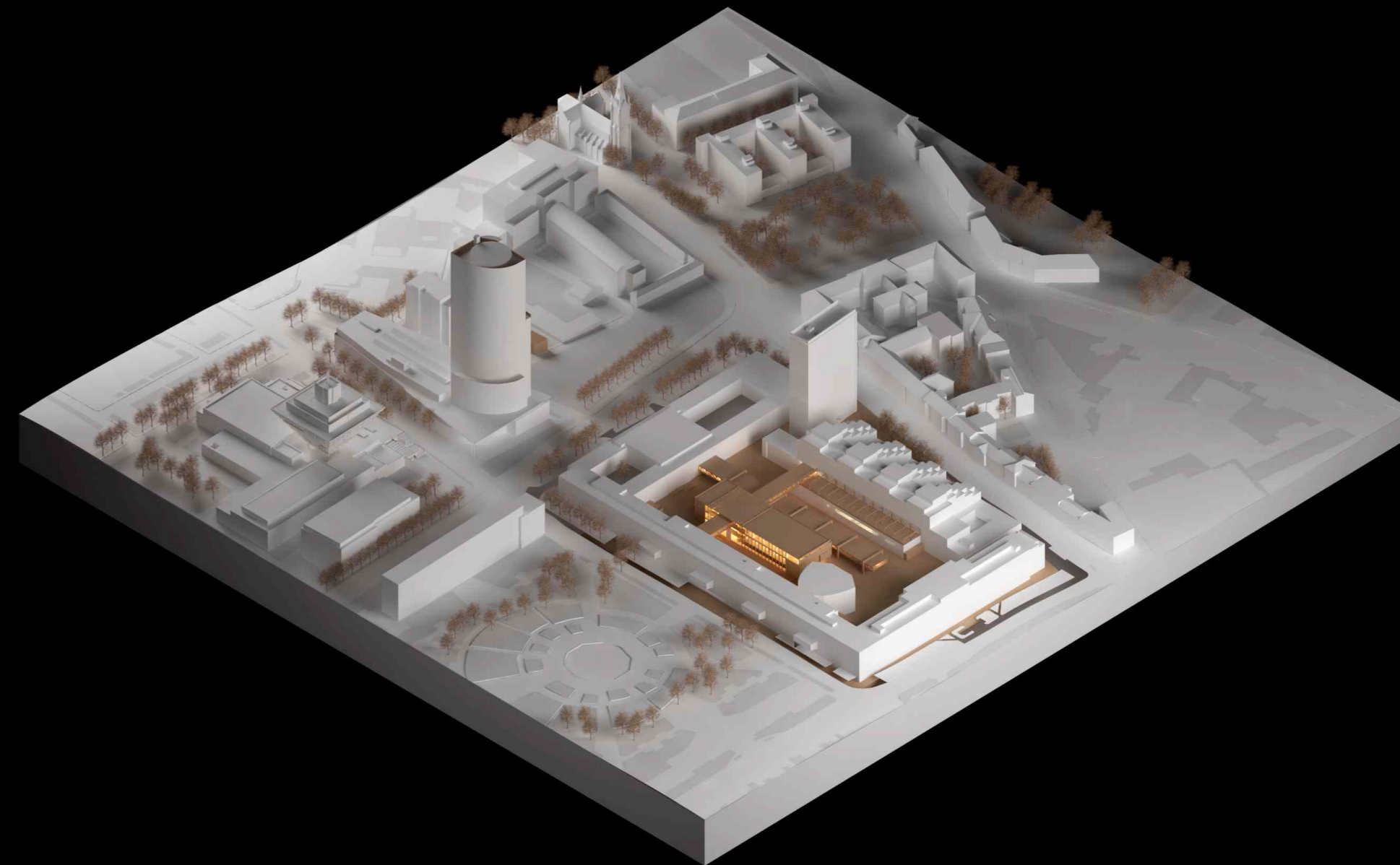
PERSPECTIVE LONGITUDINAL SECTION





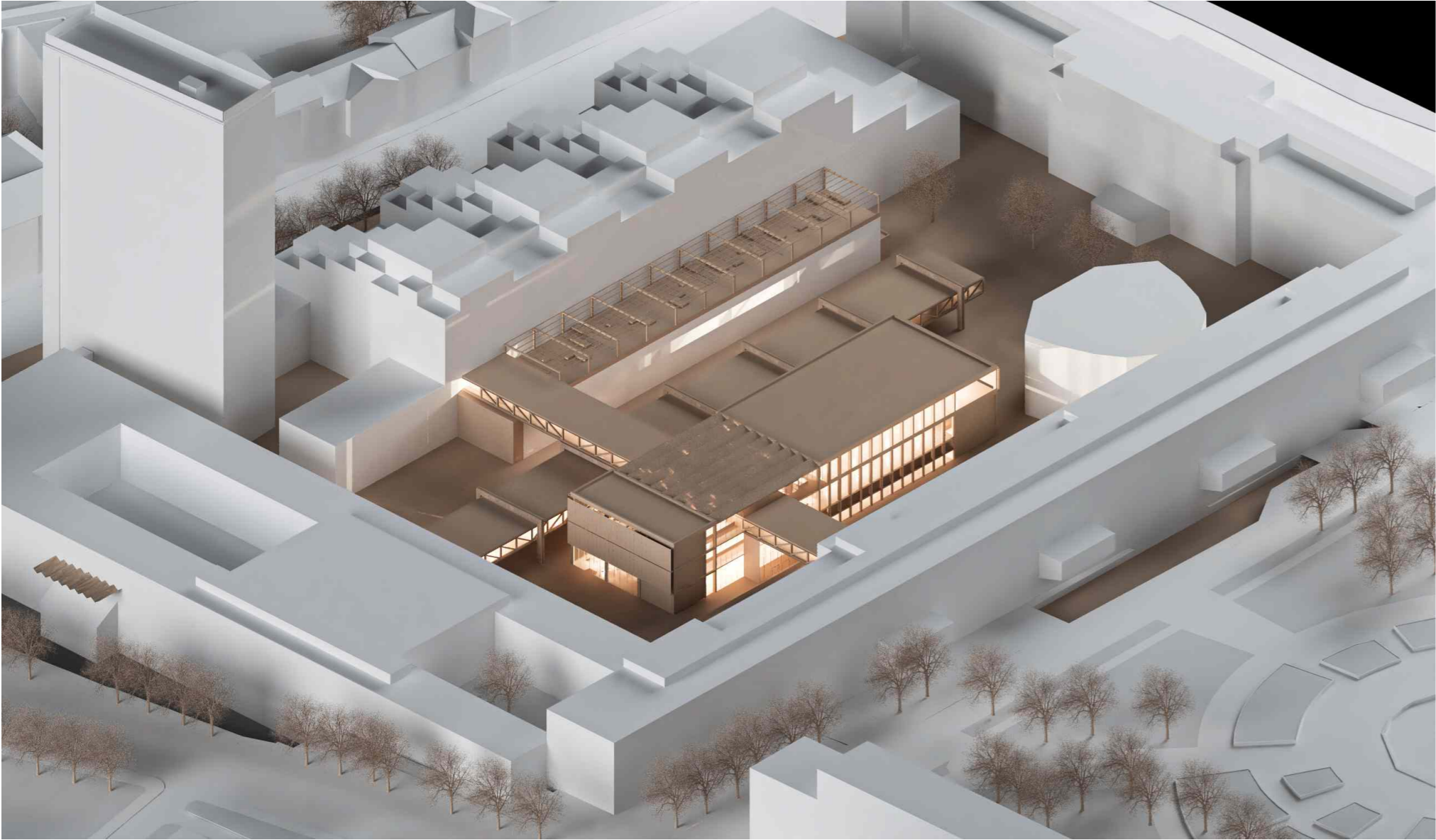
# 07 SCALE MODEL

---



07 SCALE MODEL

07 SCALE MODEL  
EXTERIORS



07 SCALE MODEL  
EXTERIORS

