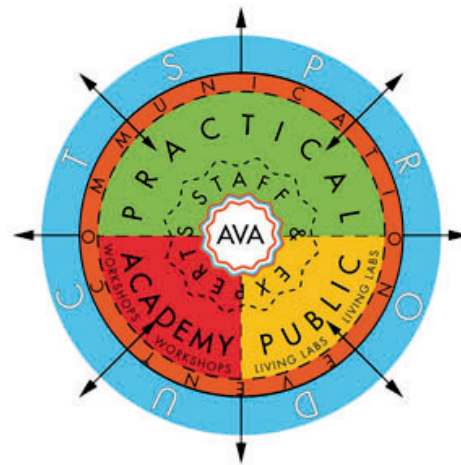


Dottorato di ricerca in Architettura. Teorie e Progetto
coordinatore prof. Antonino Saggio



IBA Parkstad 2013 -2020
DESIGN STRATEGIES
TRANSFORMING CROSS-BORDER REGIONS

Seminario/Workshop
Roma 1 - 28 febbraio 2017

Responsabili scientifici: **prof. A. De Cesaris**
prof. D. Mandolesi - HousingLab DiAP

Ph.d students: F. Bozza, F. Camilli, M. D'Emilio, F. Ficcadenti, S. Marinelli

The Netherlands
Limburg region



The Netherlands
Limburg region

PARKSTADT



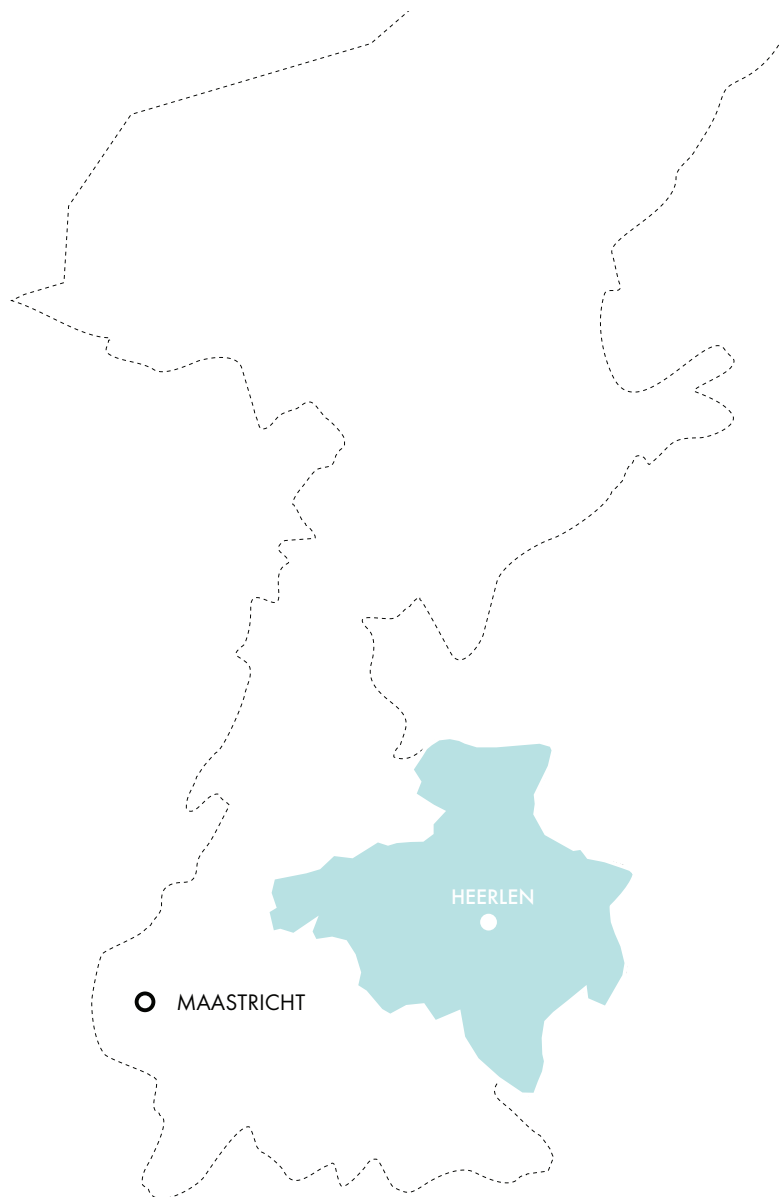
DEUTSCHLAND

BELGIUM



The Netherlands
Limburg region

PARKSTADT



DEUTSCHLAND

BELGIUM



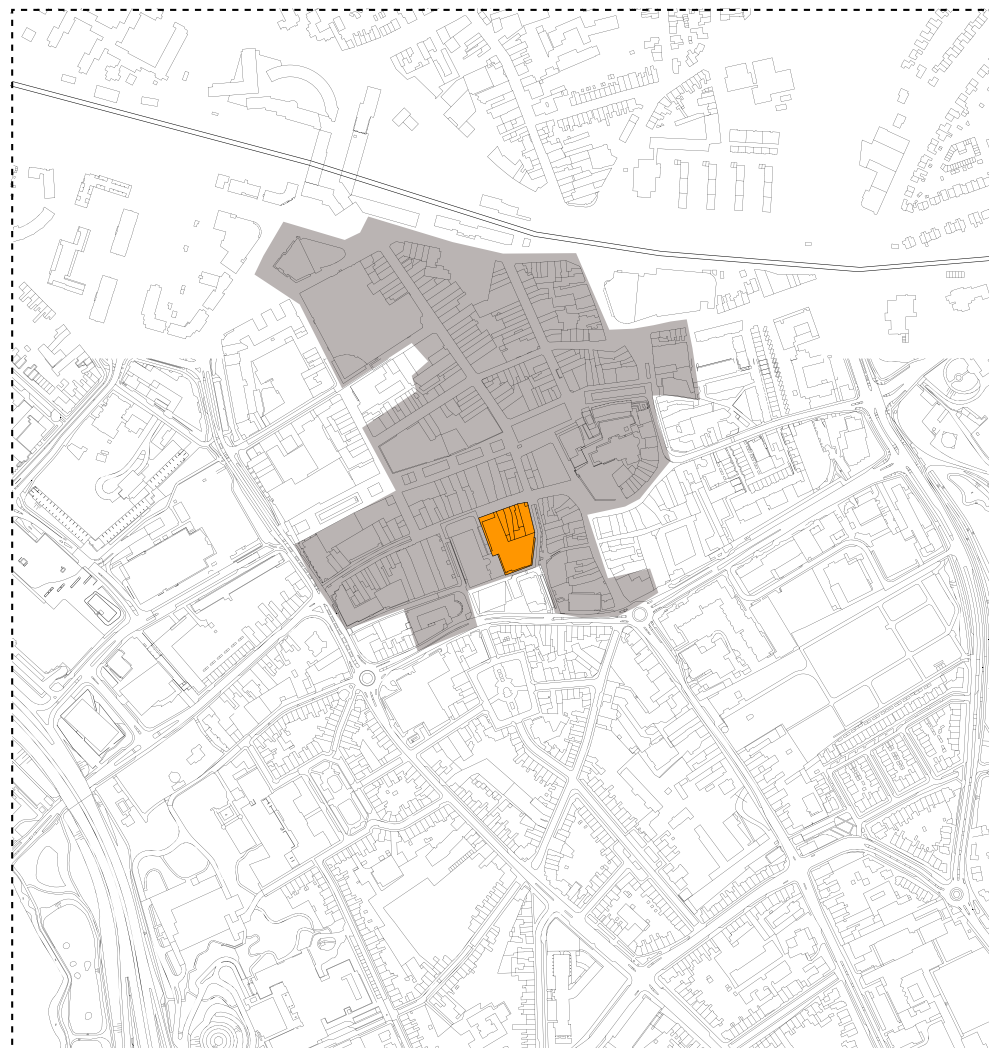
The Netherlands
Limburg region
Parkstadt

HEERLEN CITY
municipality borders



The Netherlands
Limburg region
Parkstadt

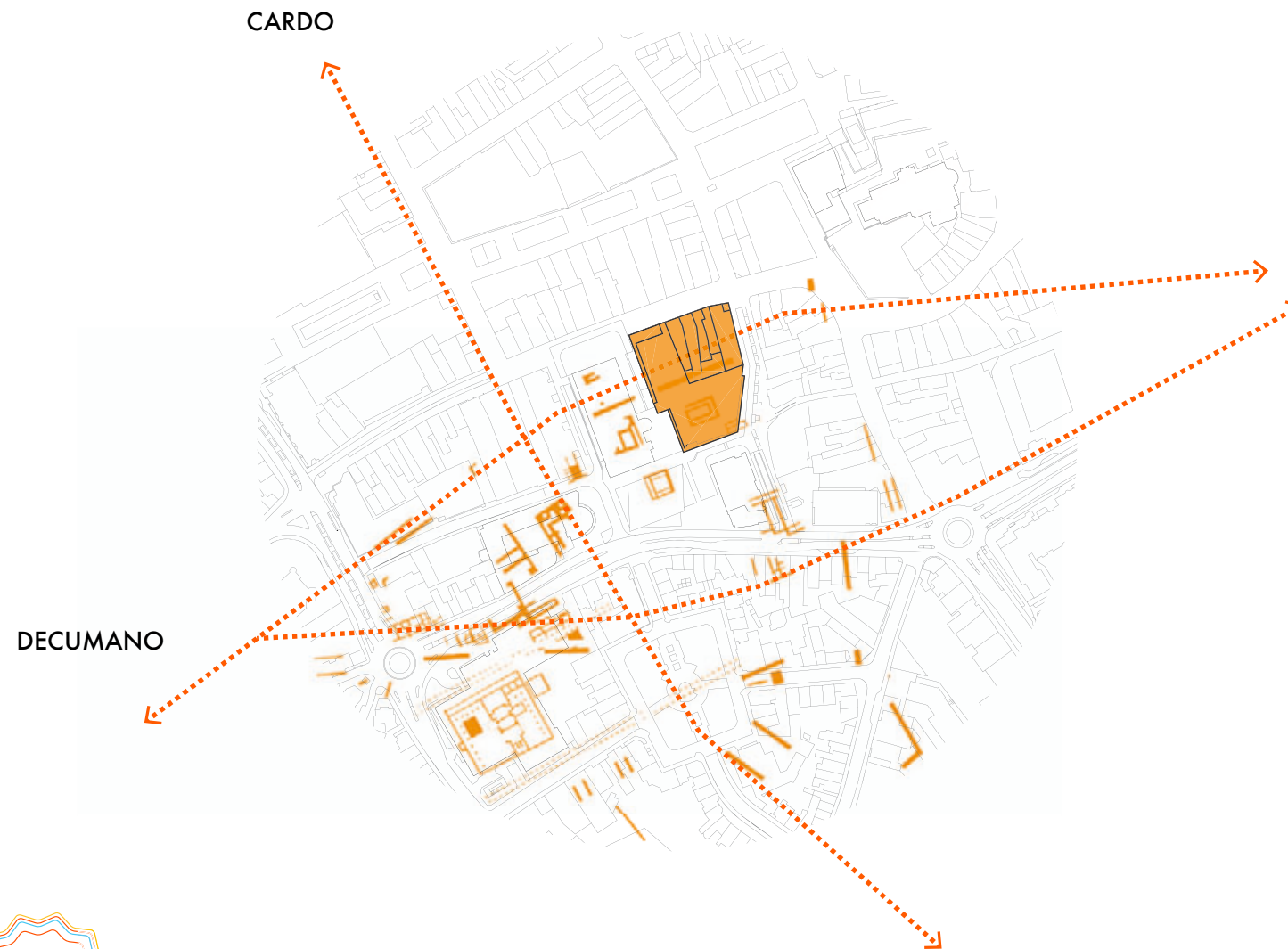
HEERLEN CITY
Historical center_The Roman quarter



 PROJECT AREA

HEERLEN center_URBAN ANALYSIS_The Roman Quarter_ARCHEOLOGICAL SYSTEM

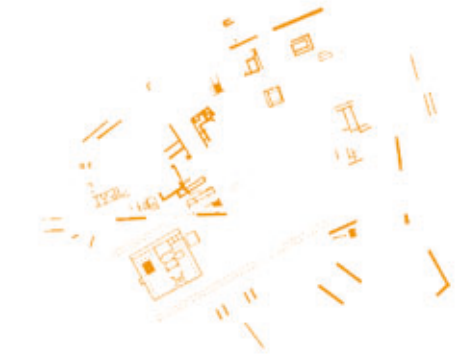
15 B.C. The Romans founded Coriovallum in the valley now known as the Heerlen Basin.



..... ROMAN PATHS

PROJEC AREA

ROMAN RUINS SYSTEM

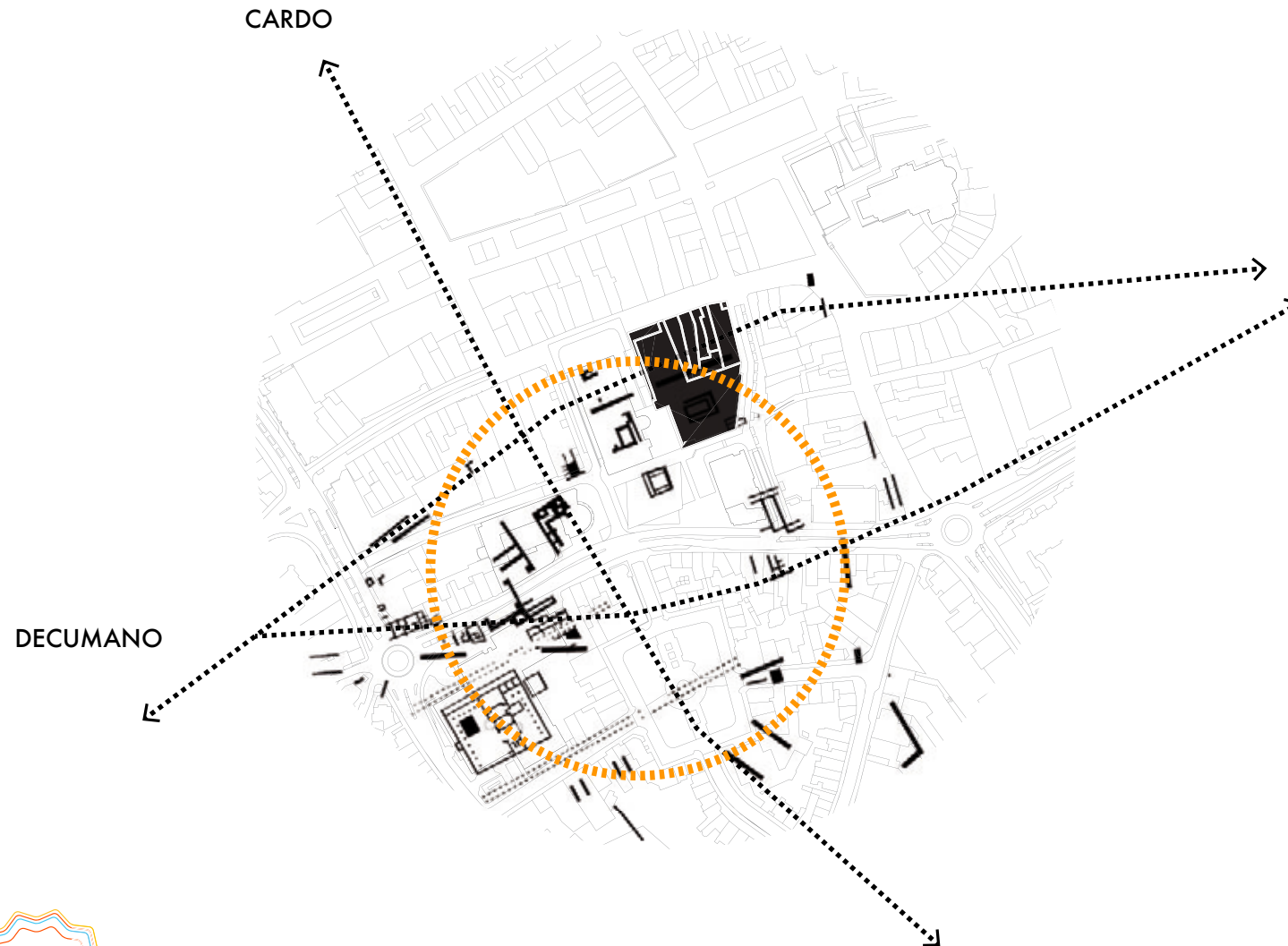


ISSUE

A complex system of Roman traces lies under the current urban level.

HEERLEN center_URBAN ANALYSIS_The Roman Quarter_ARCHEOLOGICAL SYSTEM

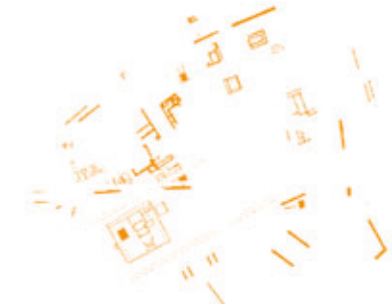
15 B.C. The Romans founded Coriovallum in the valley now known as the Heerlen Basin.



..... ROMAN PATHS

PROJEC AREA

ROMAN RUINS SYSTEM

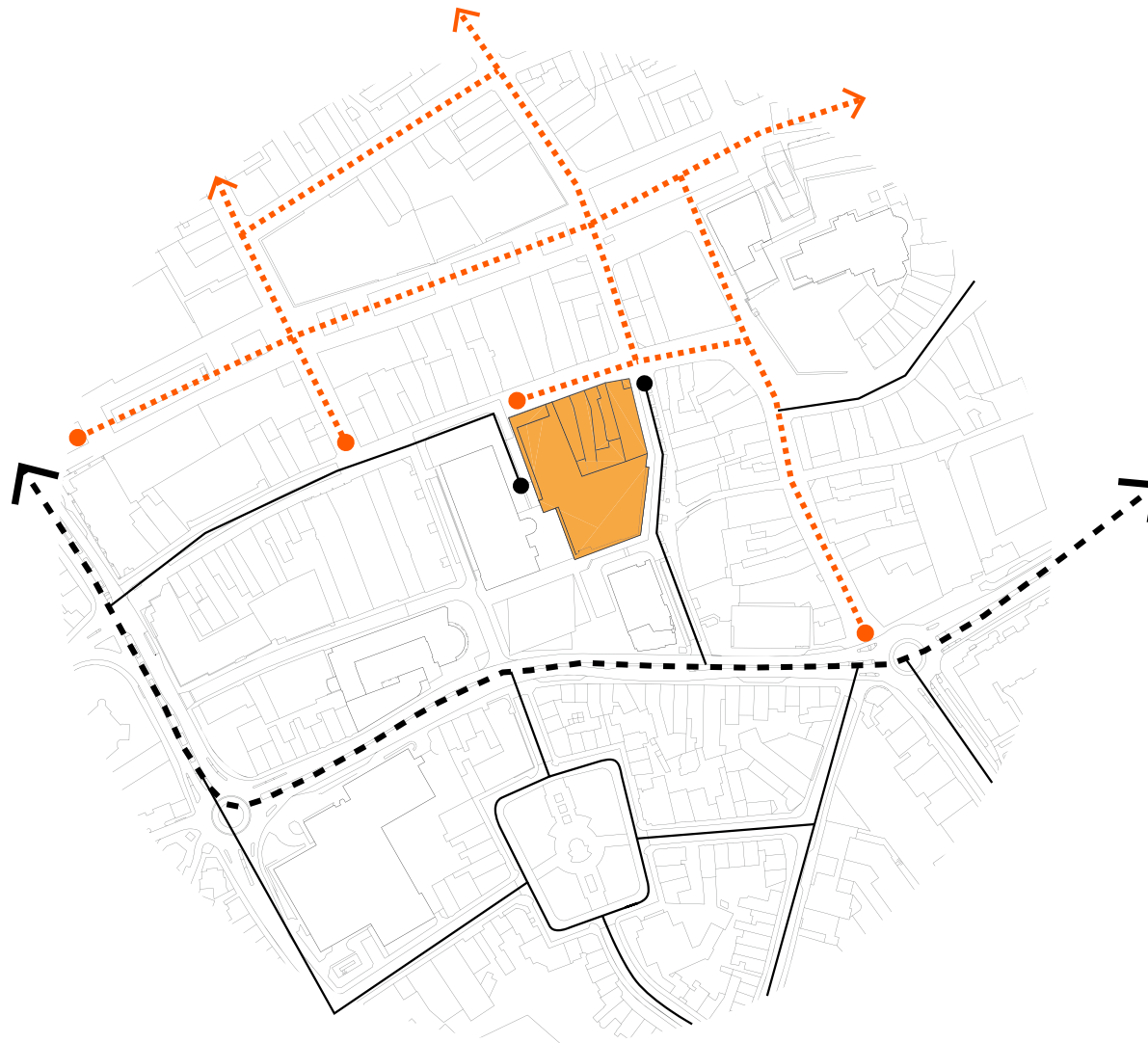


ISSUE

A complex system of Roman traces lies under the current urban level.

ACTION

To Strengthen the connection with the archaeological system enhancing the value of the contemporary public spaces.



PROJECT AREA

CITY RING

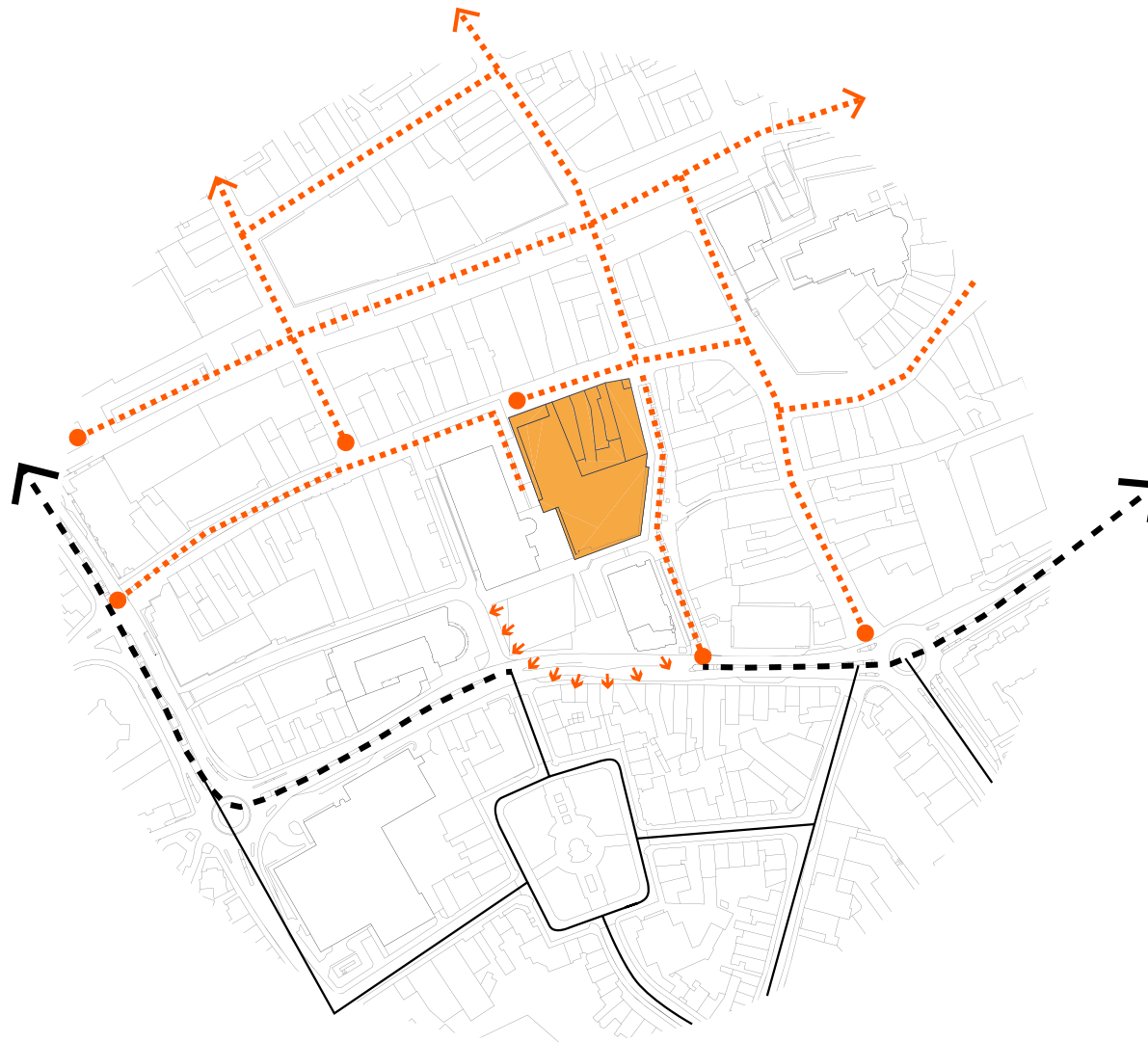
PEDESTRIAN PATHS

ROUTES

ISSUE

The urban RING is a barrier which isolates the center from the rest of the city.

Routes interrupt the continuity of pedestrian area.



PROJECT AREA

CITY RING

PEDESTRIAN PATHS

ROUTES

ISSUE

The urban RING is a barrier which isolates the center from the rest of the city.

Routes interrupt the continuity of the pedestrian area.

ACTION

To reconnect the Roman quarter with the city overcoming the Ring

Prolongation and new configuration of the pedestrian paths to assure the circulation in the project area





St Pancratius Church





Glaspaleis_ Frits Peutz, 1933





Raadhuis_ Frits Peutz, 1932





Heerlen Library_ Jo Coenen, 1986





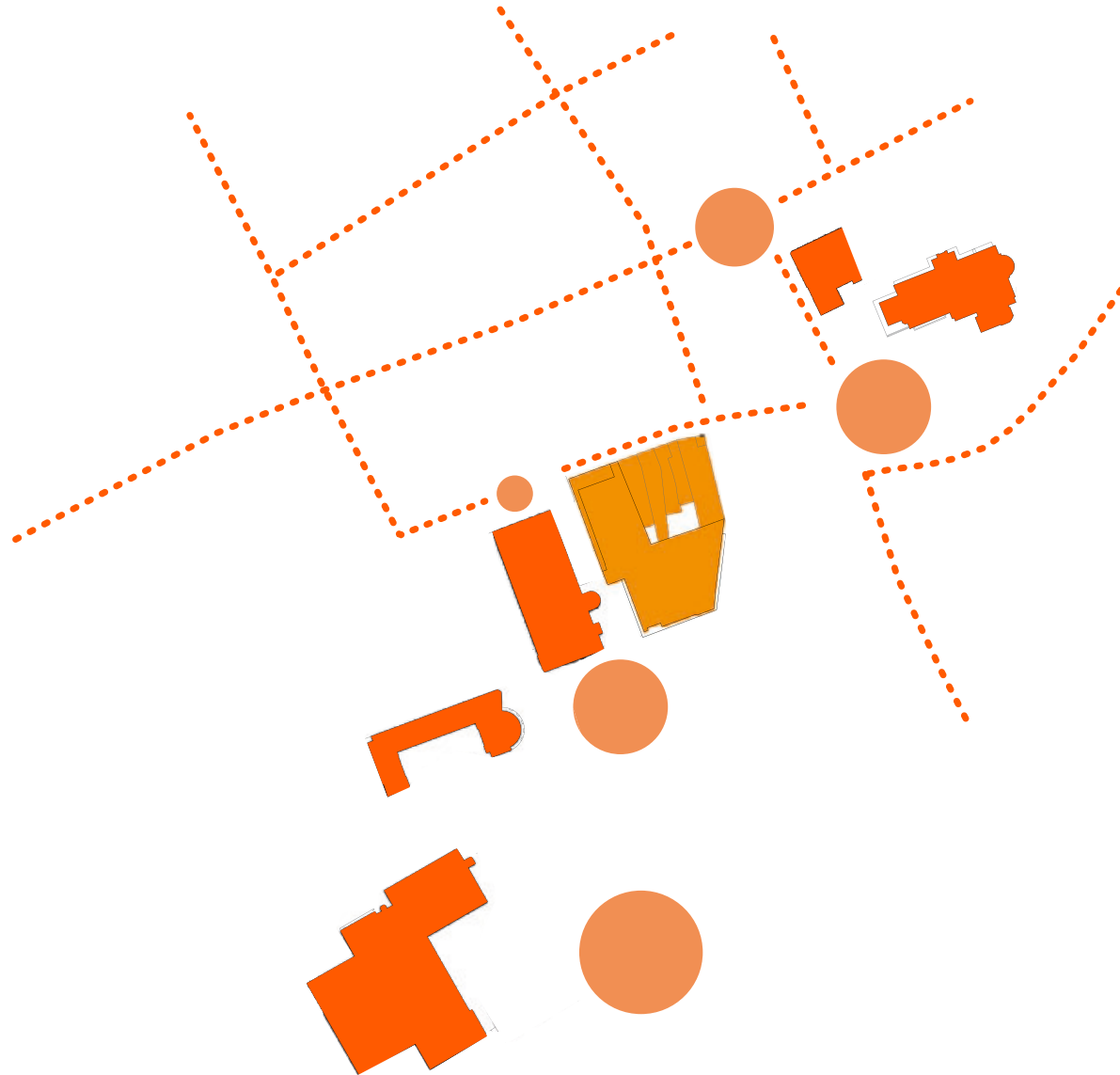
Thermenmuseum, 1977



HEERLEN center_URBAN ANALYSIS_The Roman Quarter_URBAN FABRIC



- BUILT
- PROJECT AREA
- PUBLIC SPACE
- PEDESTRIAN PROMENADE



 PROJECT AREA

 PUBLIC SPACE

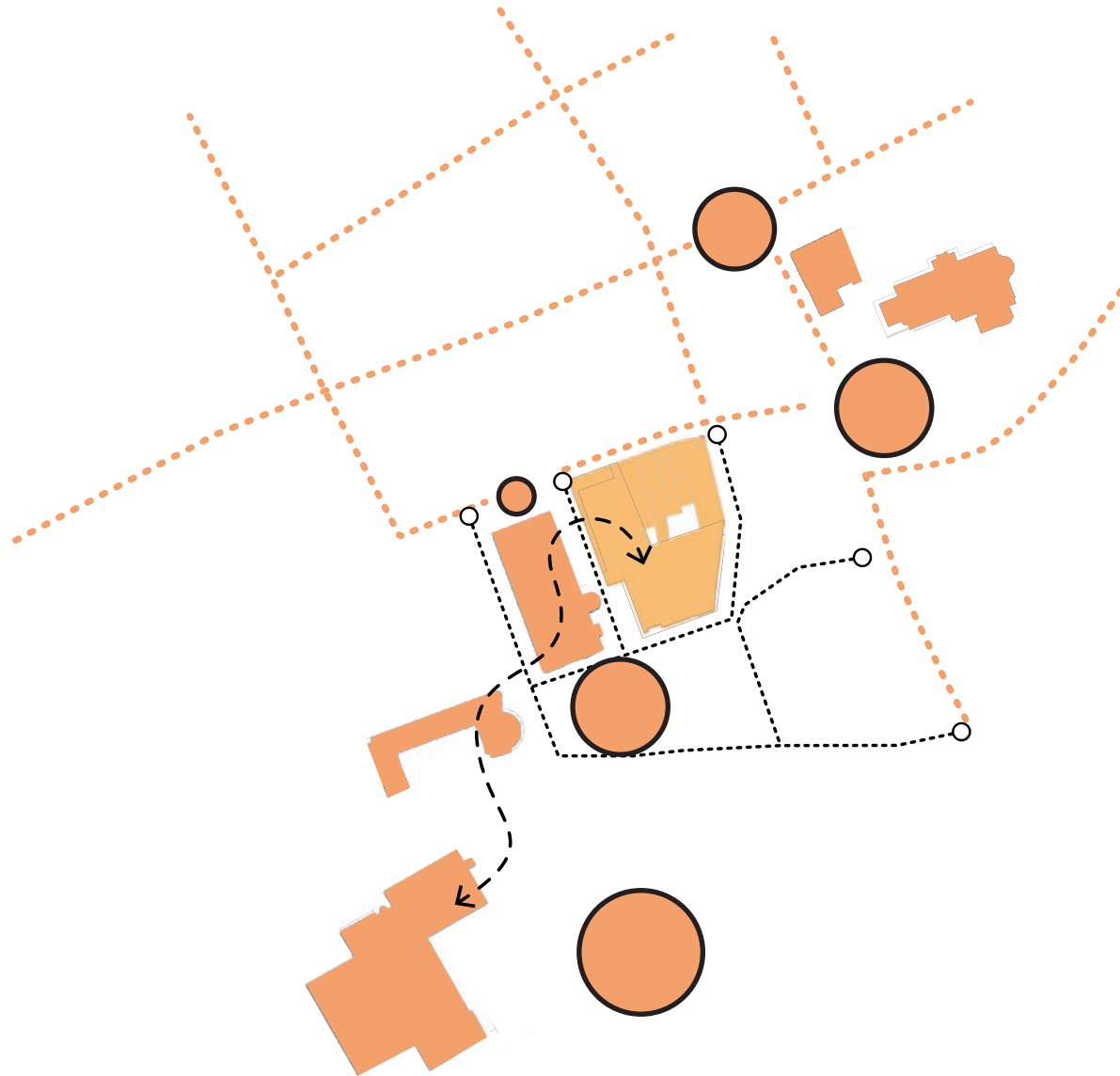
 PEDESTRIAN PROMENADE

ISSUE

The Pedestrian Promenade is disconnected from the paths next to the project area.

The main buildings are isolated.

Public squares are not articulated in a unique system.



PROJECT AREA

PUBLIC SPACE

PEDESTRIAN PROMENADE

ISSUE

The Pedestrian Promenade is disconnected from the paths next to the project area.

The main buildings are isolated.

Public squares are not articulated in a unique system.

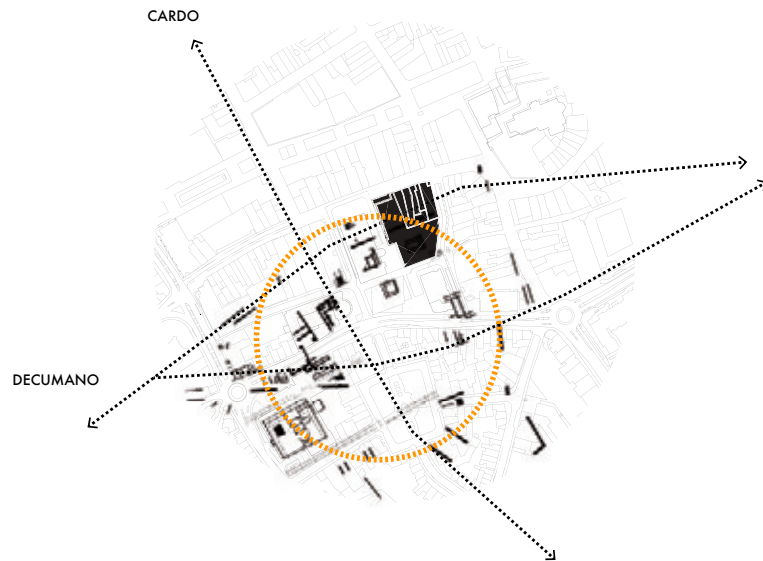
ACTIONS

To redesign the pedestrian paths to reconnect the project area to the historical center.

To create a link among the main buildings using the new paths

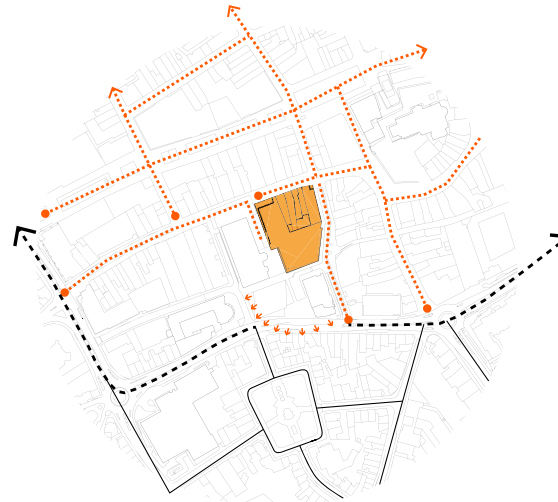
To Connect the squares through a new public space.

ARCHEOLOGICAL SYSTEM



To Strengthen the connection with the archaeological system enhancing the value of the contemporary public spaces.

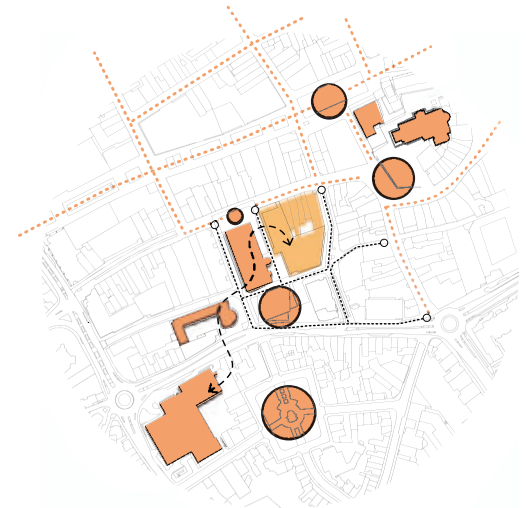
INFRASTRUCTURE



To reconnect the Roman quarter with the city overcoming the Ring

Prolongation and new configuration of the pedestrian paths to assure the circulation in the project area

URBAN FABRIC



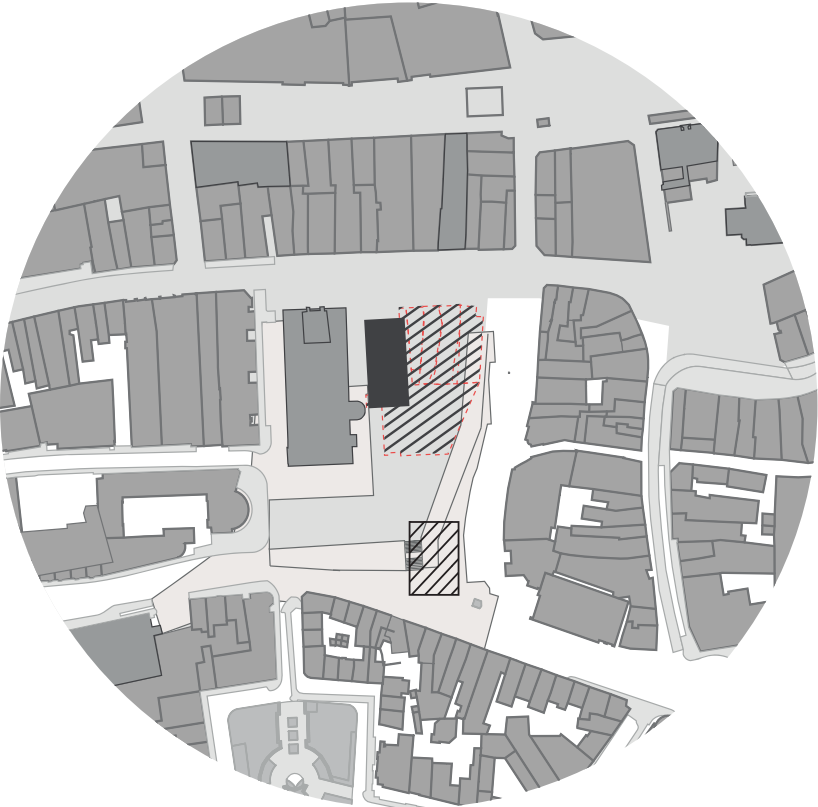
To redesign the pedestrian paths to reconnect the project area to the historical center.

To create a link among the main buildings using the new paths

To Connect the squares through a new public space.

HEERLEN CITY HALL_STRATEGY FOR THE PROJECT AREA

DEMOLITIONS



DEMOLITION



REMAIN



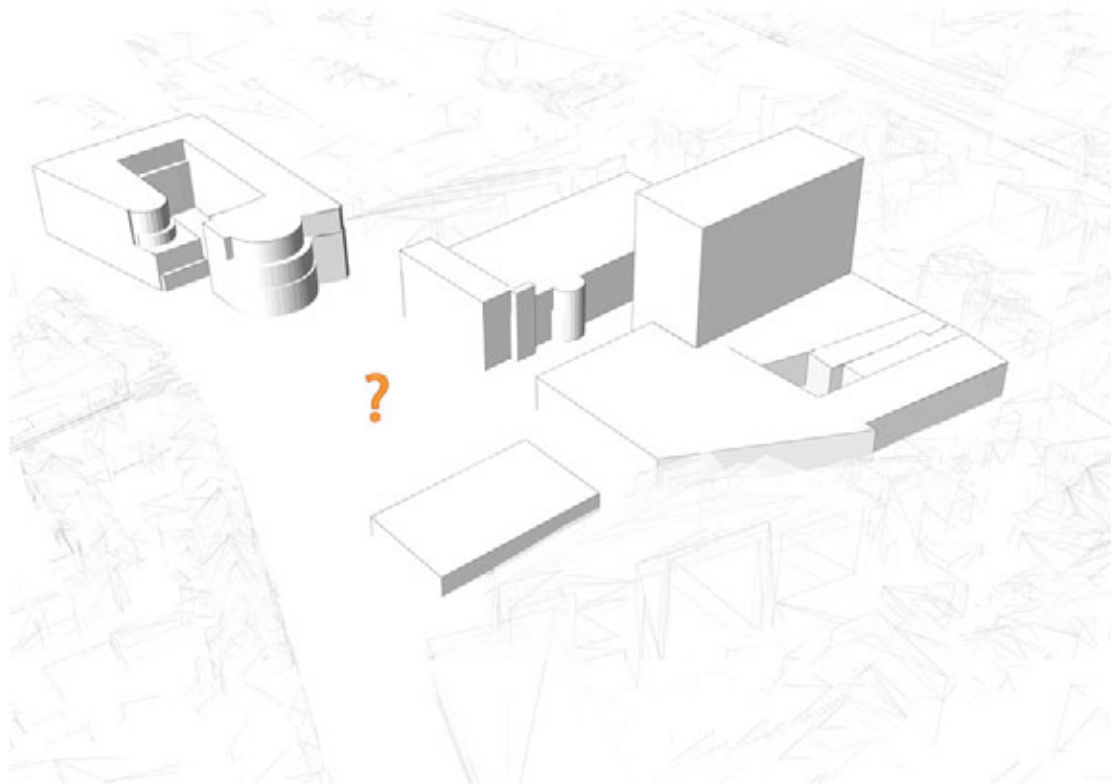
RECONNECTION



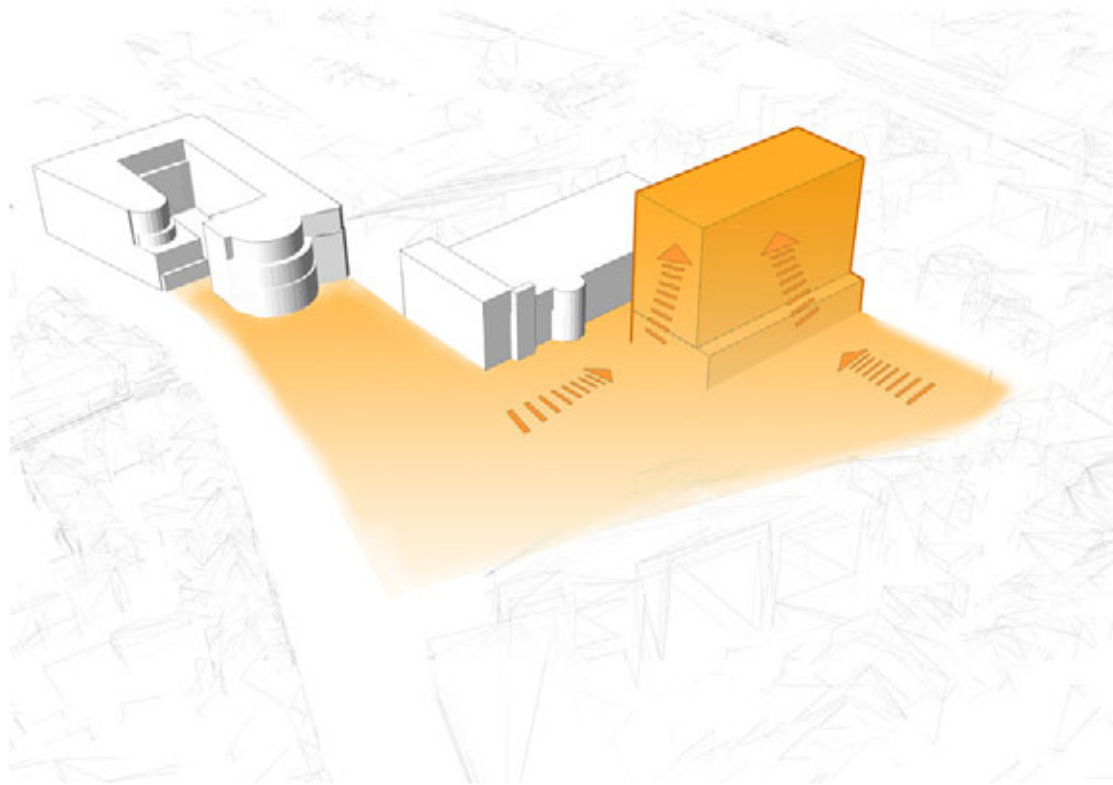
NEW URBAN LEVEL
COMMON GROUND

Recover the drop of the different
level of the urban ground

COMMON UNDERGROUND | CONCEPT

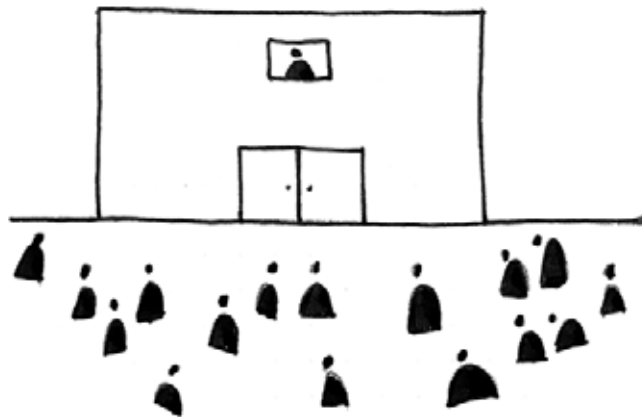


COMMON UNDERGROUND | CONCEPT

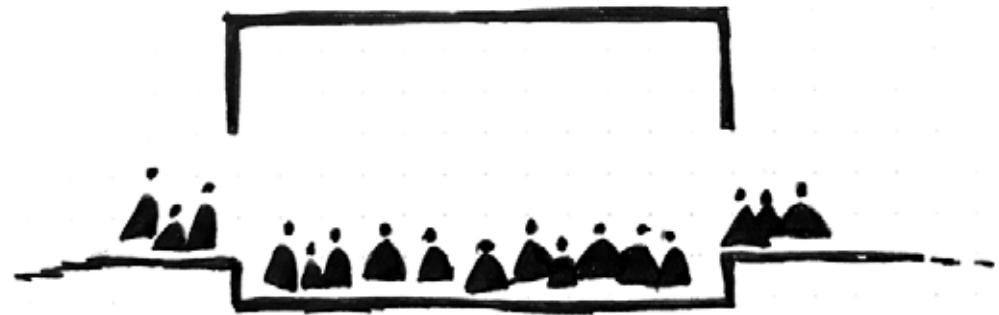


THE NEW **CITY HALL** IS NOT JUST A BUILDING BUT A **PART OF THE CITY**.

NO



YES



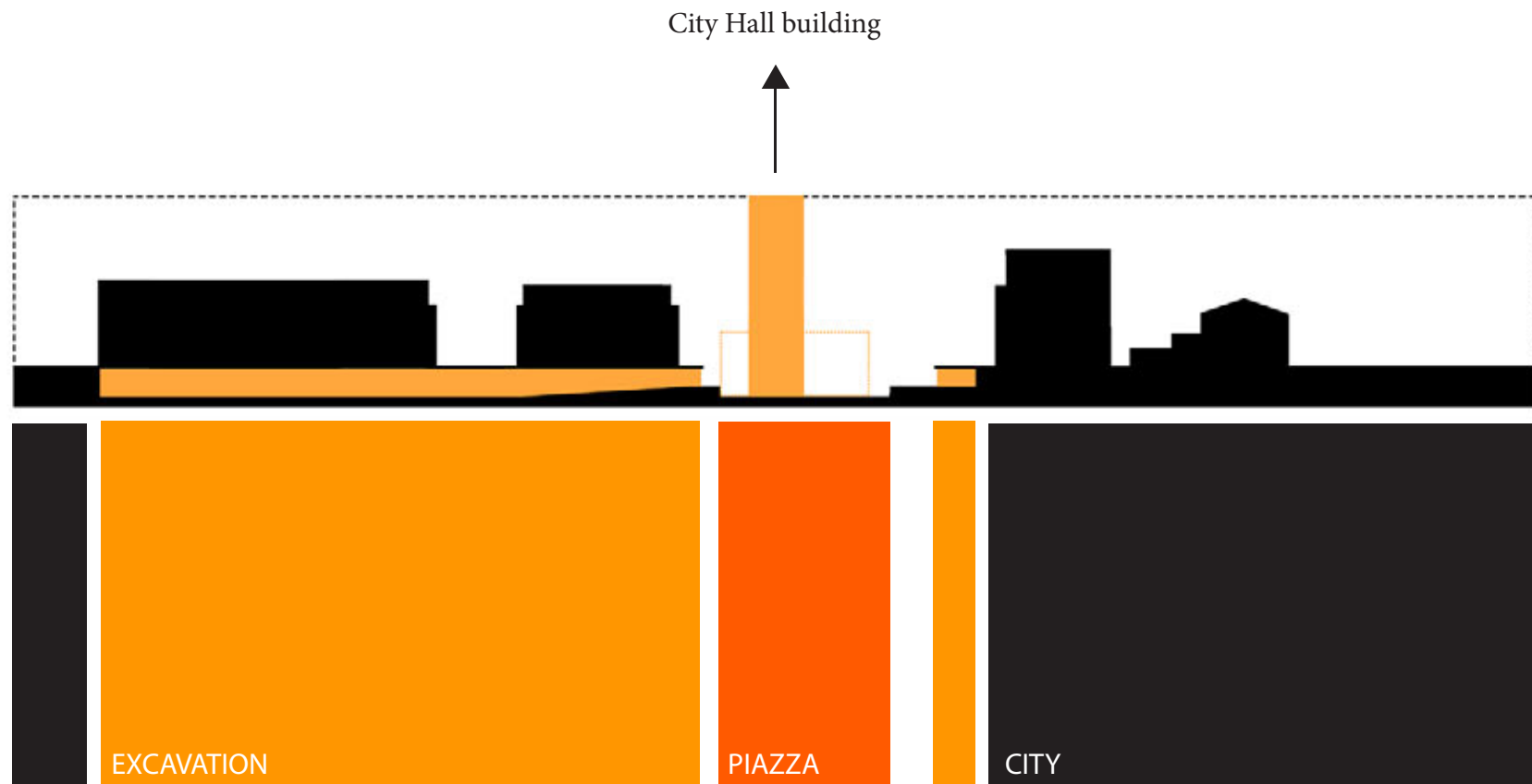
COMMON UNDERGROUND | CONCEPT PROGRAM AND FUNCTIONS

THE NEW CITY HALL AS A URBAN LIVING ROOM

Functions of the New Cross-borders City Hall_a vision

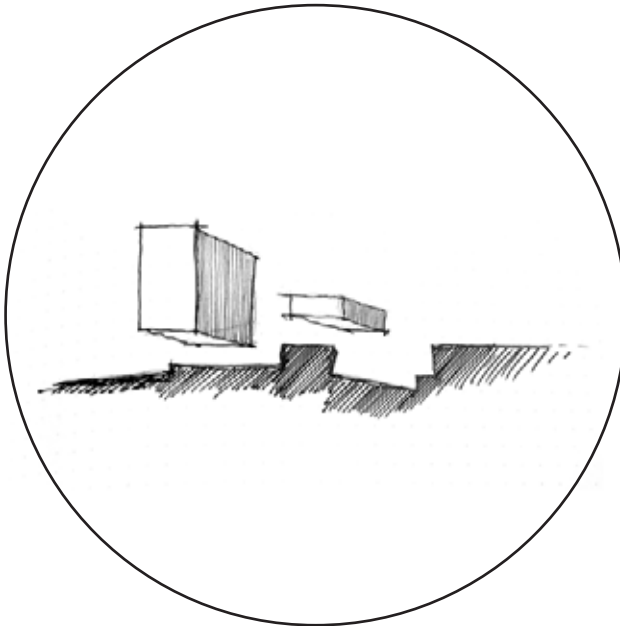


COMMON UNDERGROUND | COMMON STRATEGY



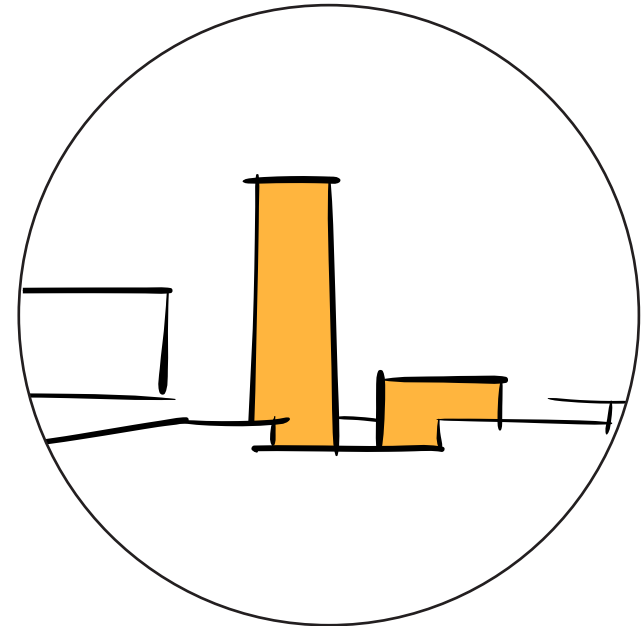
COMMON UNDERGROUND | PROPOSALS

PROPOSAL 1



UPSIDE|
DOWN

PROPOSAL 2

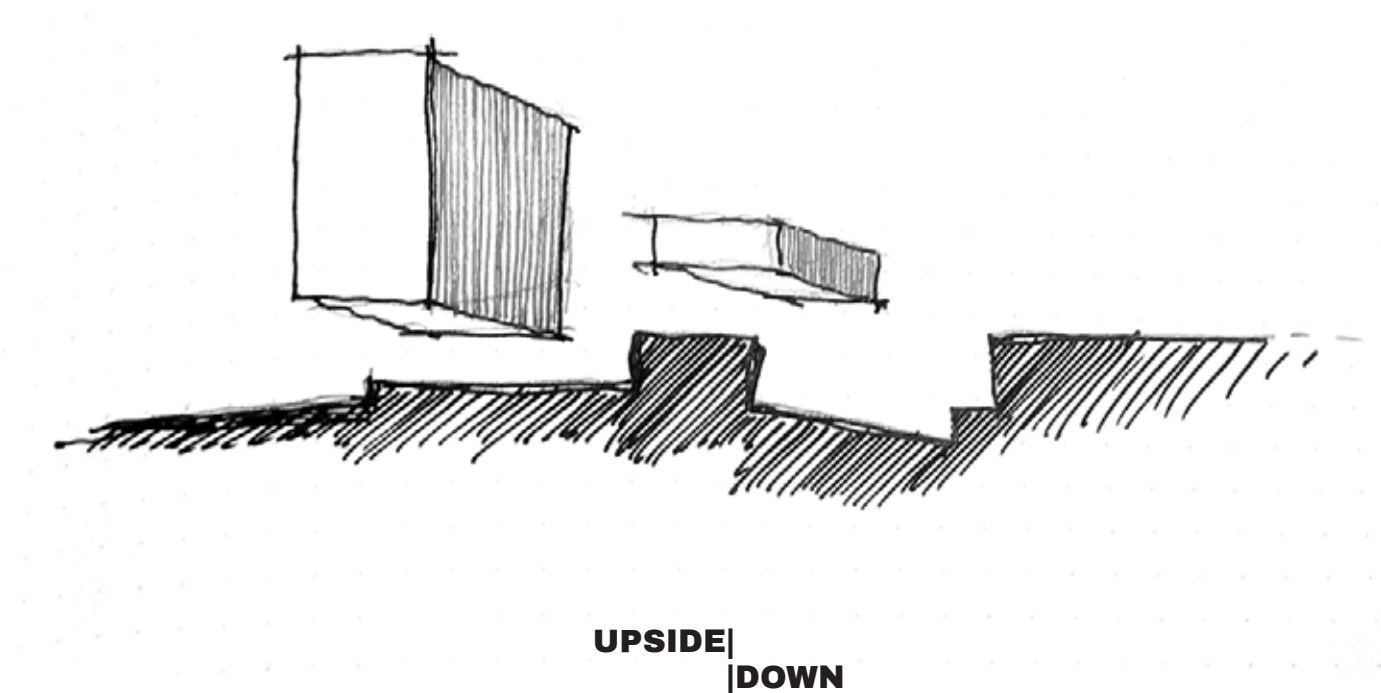


SCATTERED STAADSKANTOOR

PROPOSAL 1

“Borders, material or mental, made of bricks or even symbolic, are sometimes turned to war-camps, but also to creative workshops in the art of ‘living together’, places where seeds in futuristic forms of humanity are thrown and germinating.”

Zygmunt Bauman



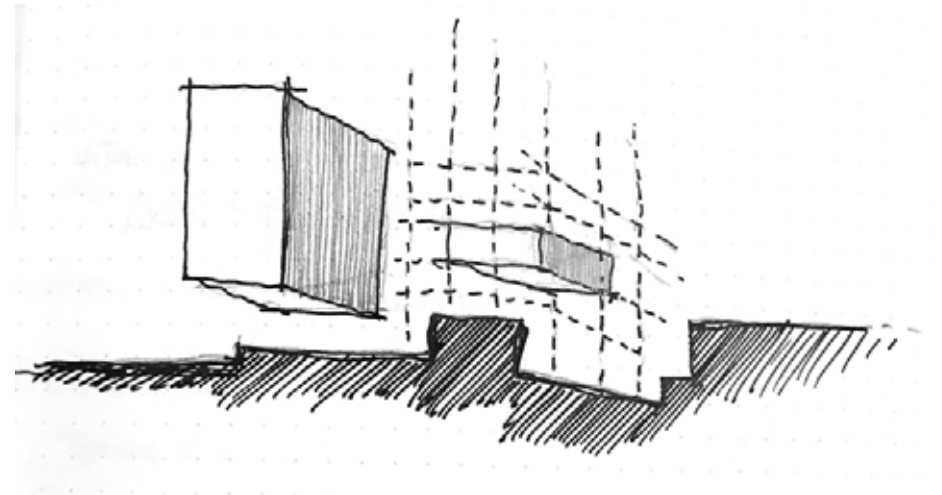
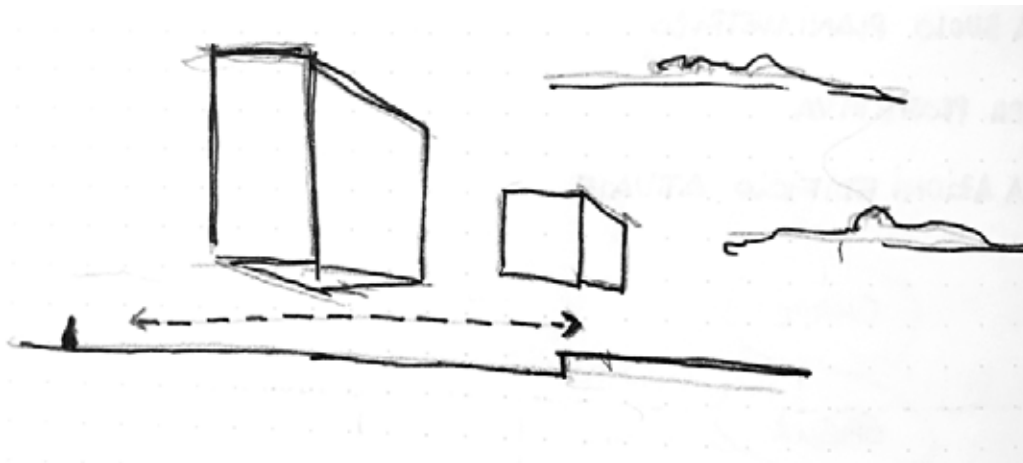
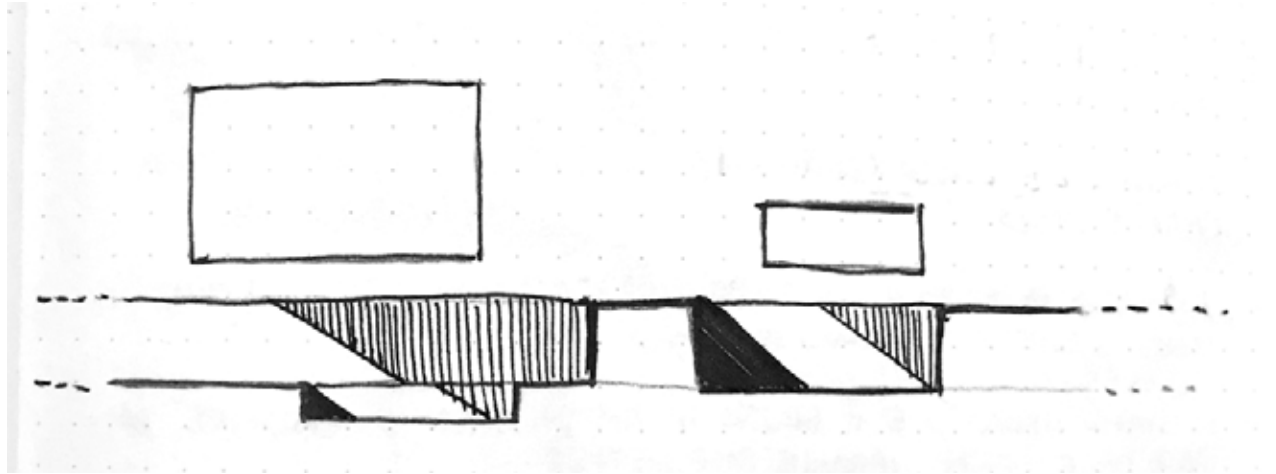
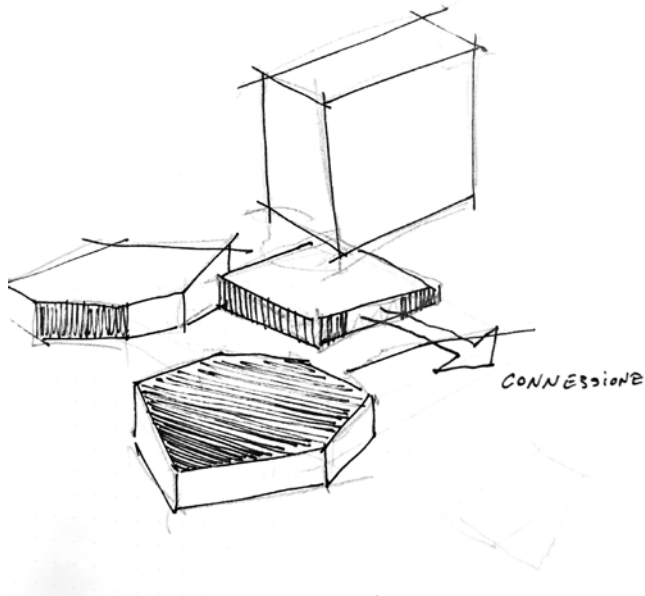
UPSIDE|
|DOWN

THE NEW HEERLEN CITY HALL AS A URBAN PUBLIC SPACE

1_COMMON UNDERGROUND | upside_down

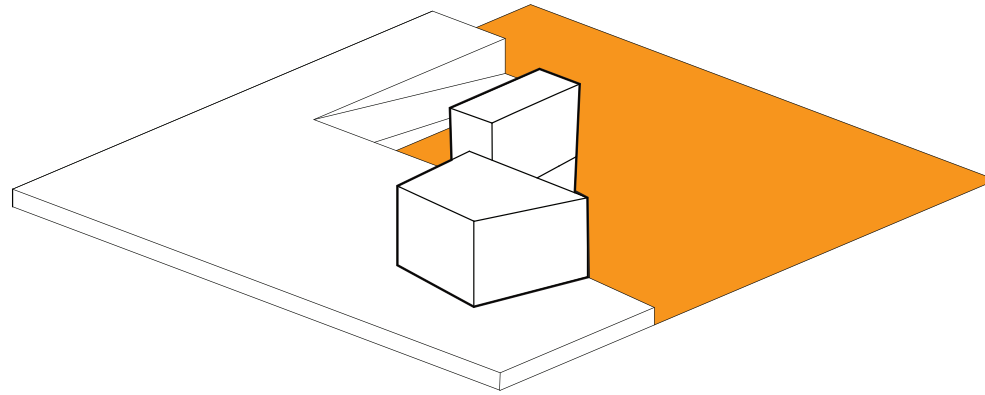


1_COMMON UNDERGROUND | upside_down_SKETCHES



1_COMMON UNDERGROUND | upside_down_PROJECT SEQUENCE

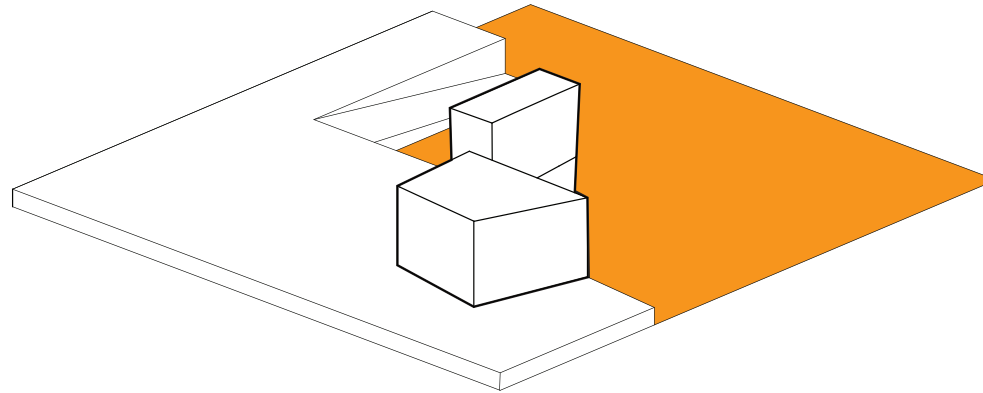
1



The current City Hall
and the urban gap

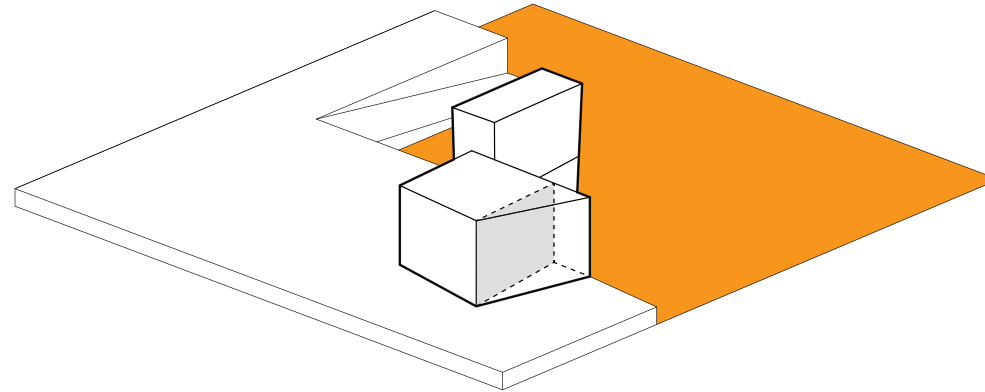
1_COMMON UNDERGROUND | upside_down_PROJECT SEQUENCE

1



The current City Hall
and the urban gap

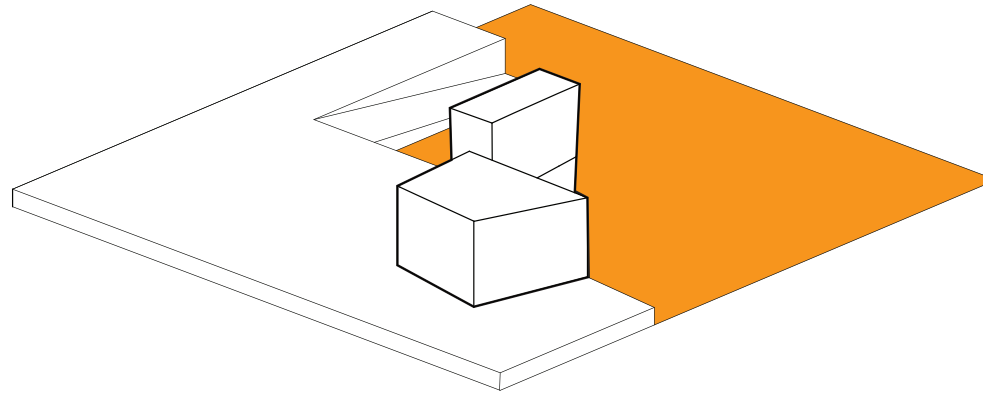
2



Cutting the volume

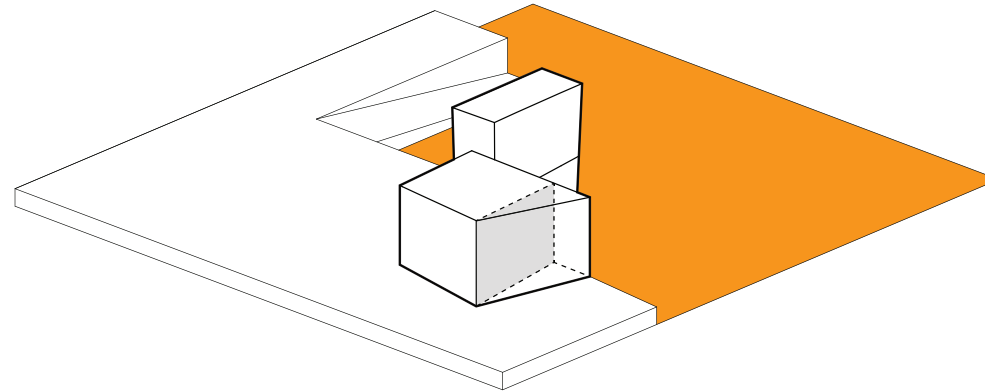
1_COMMON UNDERGROUND | upside_down_PROJECT SEQUENCE

1



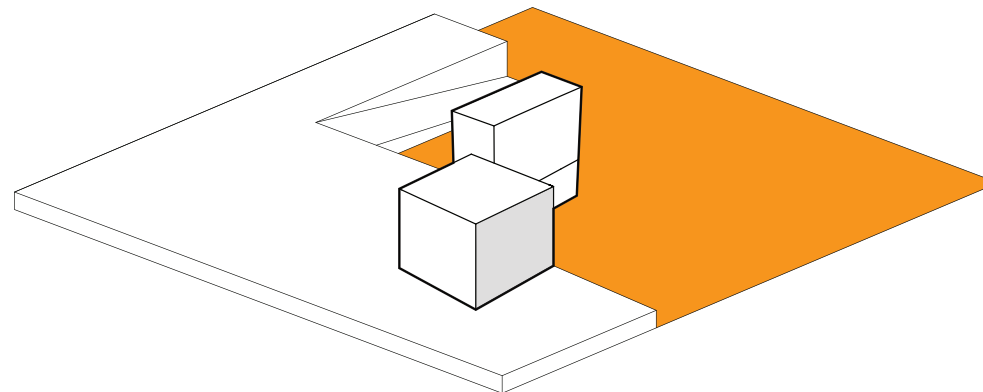
The current City Hall
and the urban gap

2



Cutting the volume

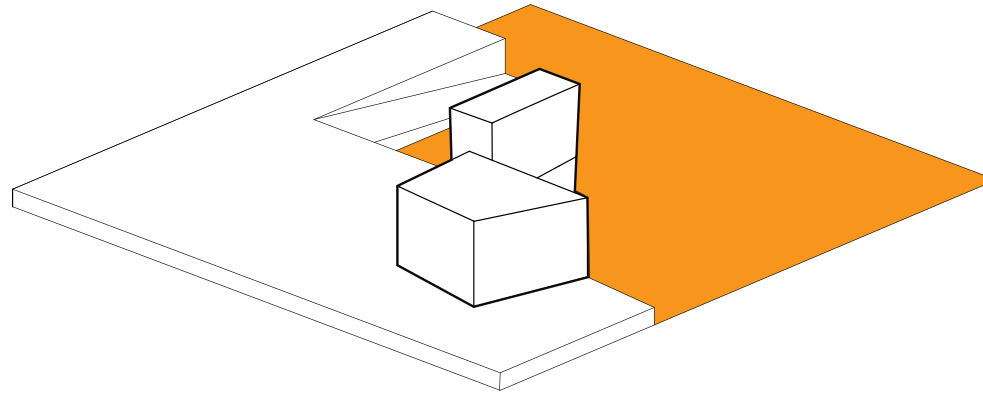
3



Pure Volumes

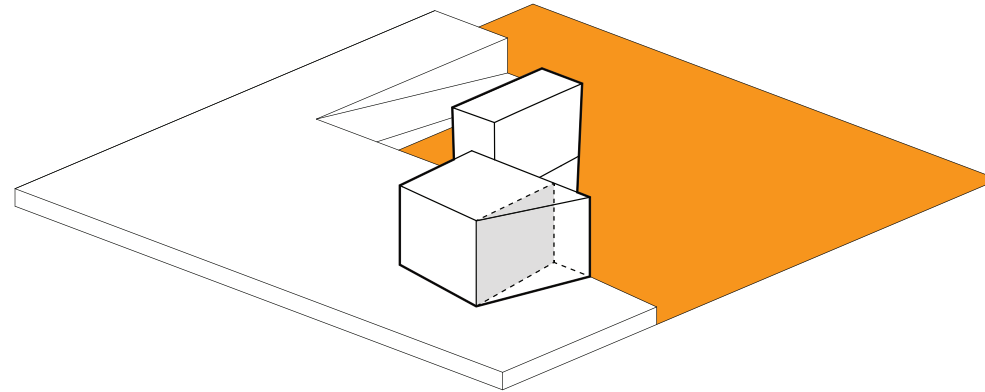
1_COMMON UNDERGROUND | upside_down_PROJECT SEQUENCE

1



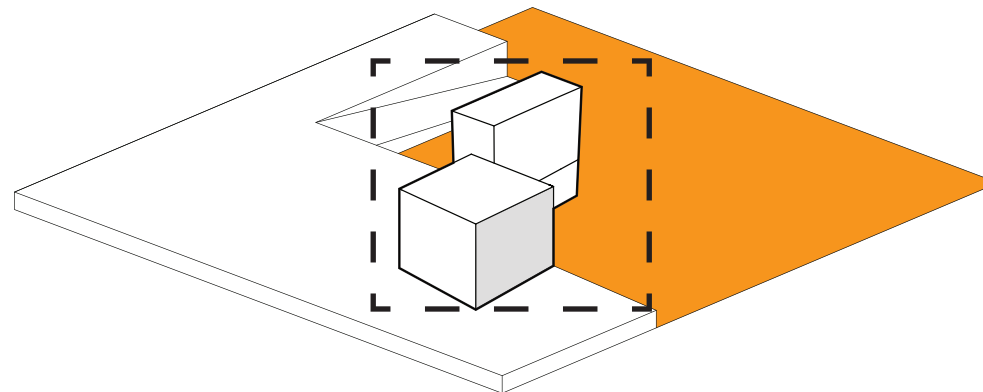
The current City Hall
and the urban gap

2



Cutting the volume

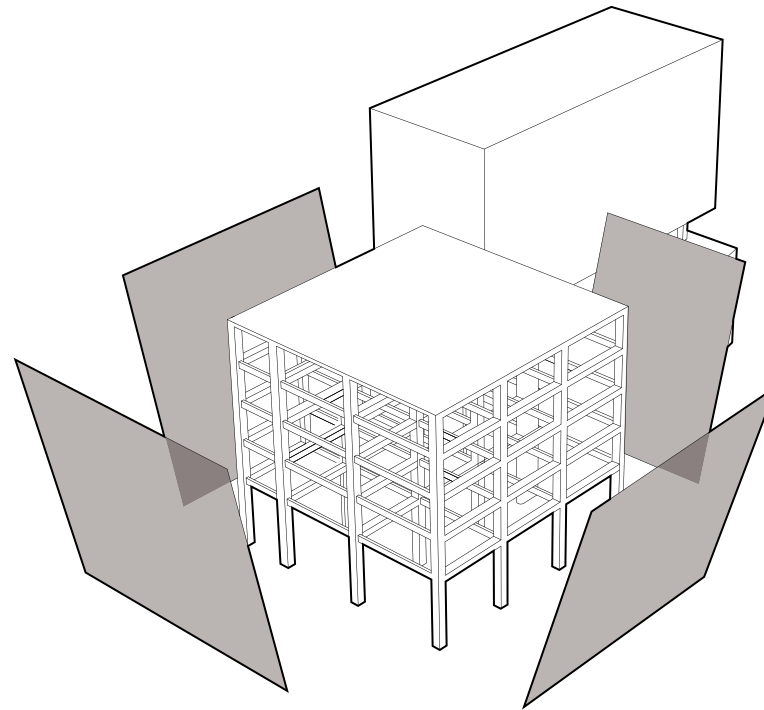
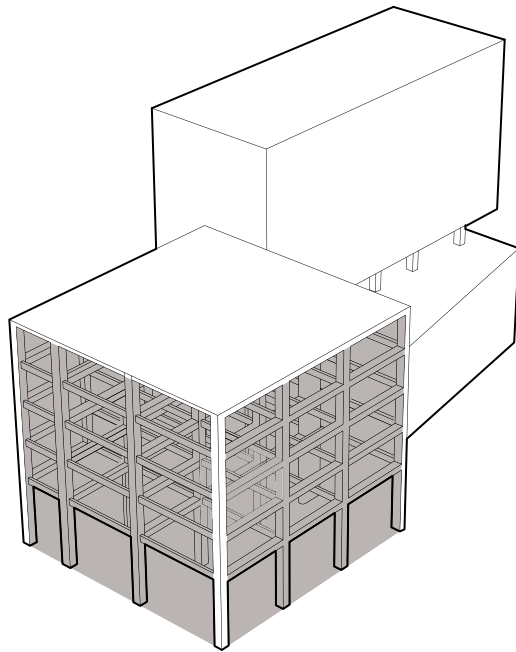
3



Pure Volumes

1_COMMON UNDERGROUND | upside_down_PROJECT SEQUENCE

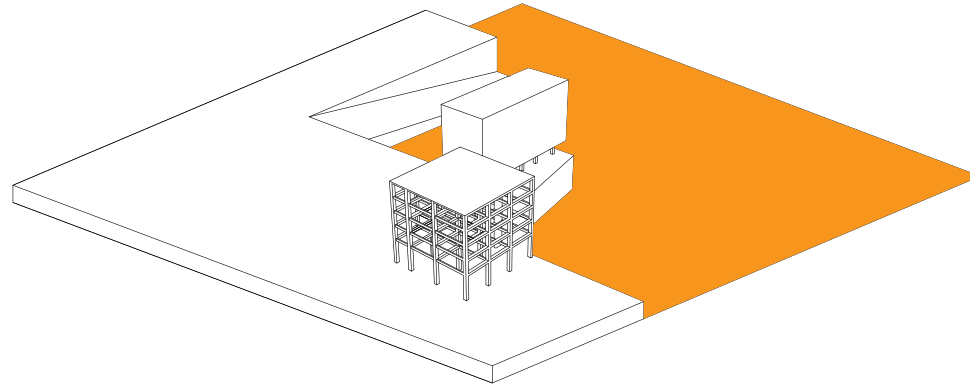
4



Explode the cladding.
Free the structure.

1_COMMON UNDERGROUND | upside_down_PROJECT SEQUENCE

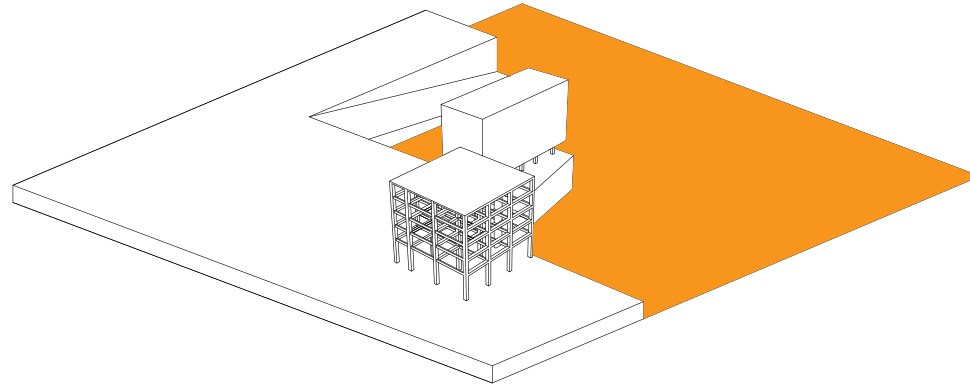
5



Reconnecting the urban levels

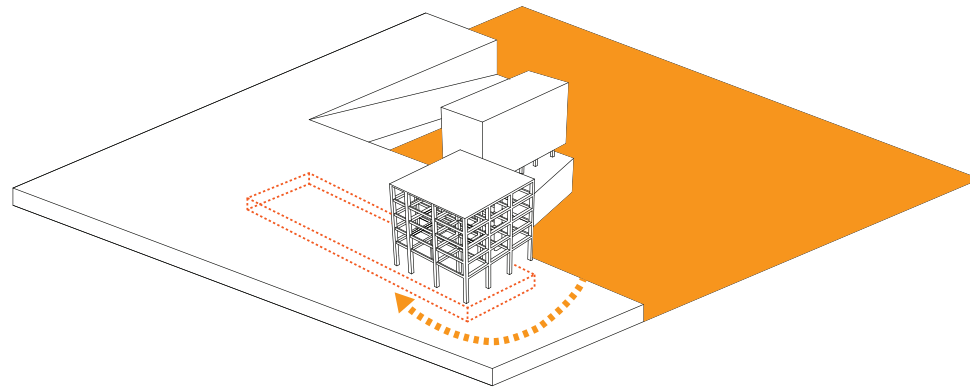
1_COMMON UNDERGROUND | upside_down_PROJECT SEQUENCE

5



Reconnecting the urban levels

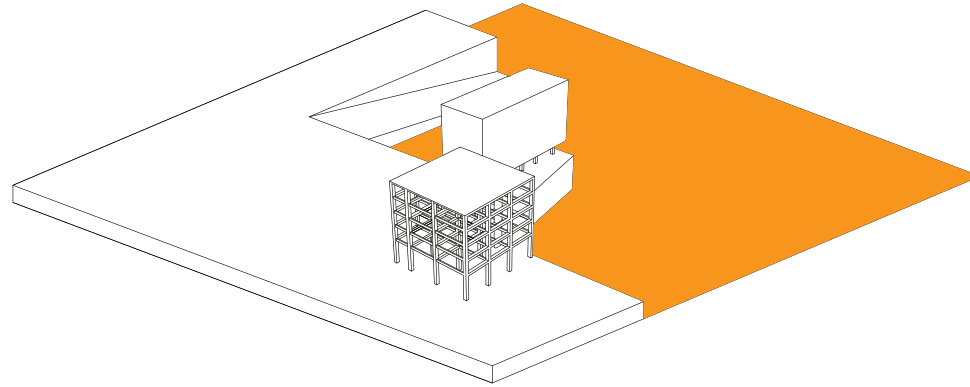
6



Excavation process

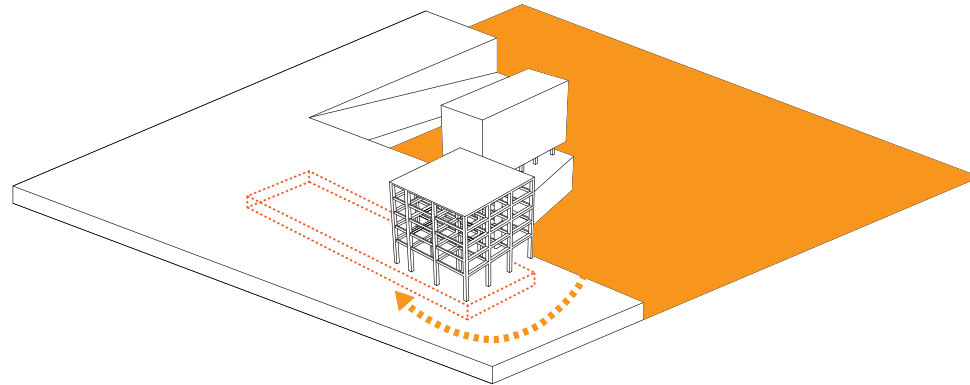
1_COMMON UNDERGROUND | upside_down_PROJECT SEQUENCE

5



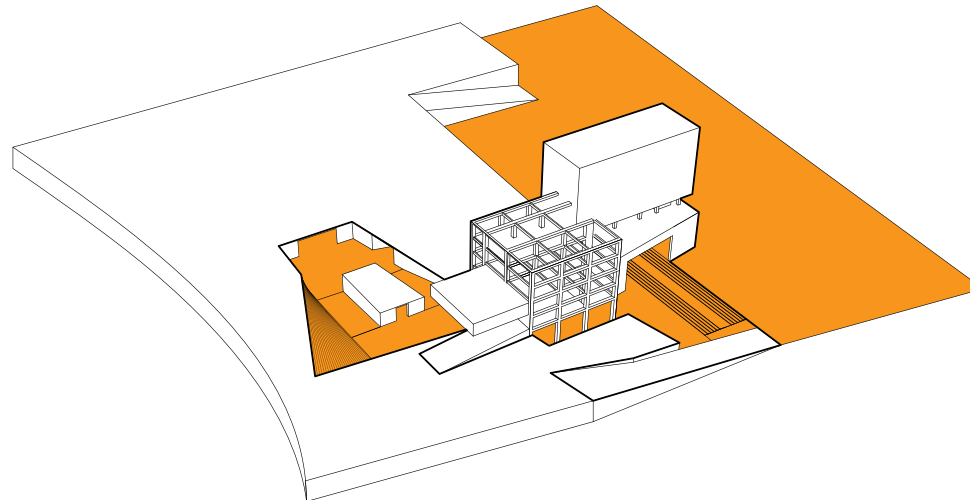
Reconnecting the urban levels

6



Excavation process

7

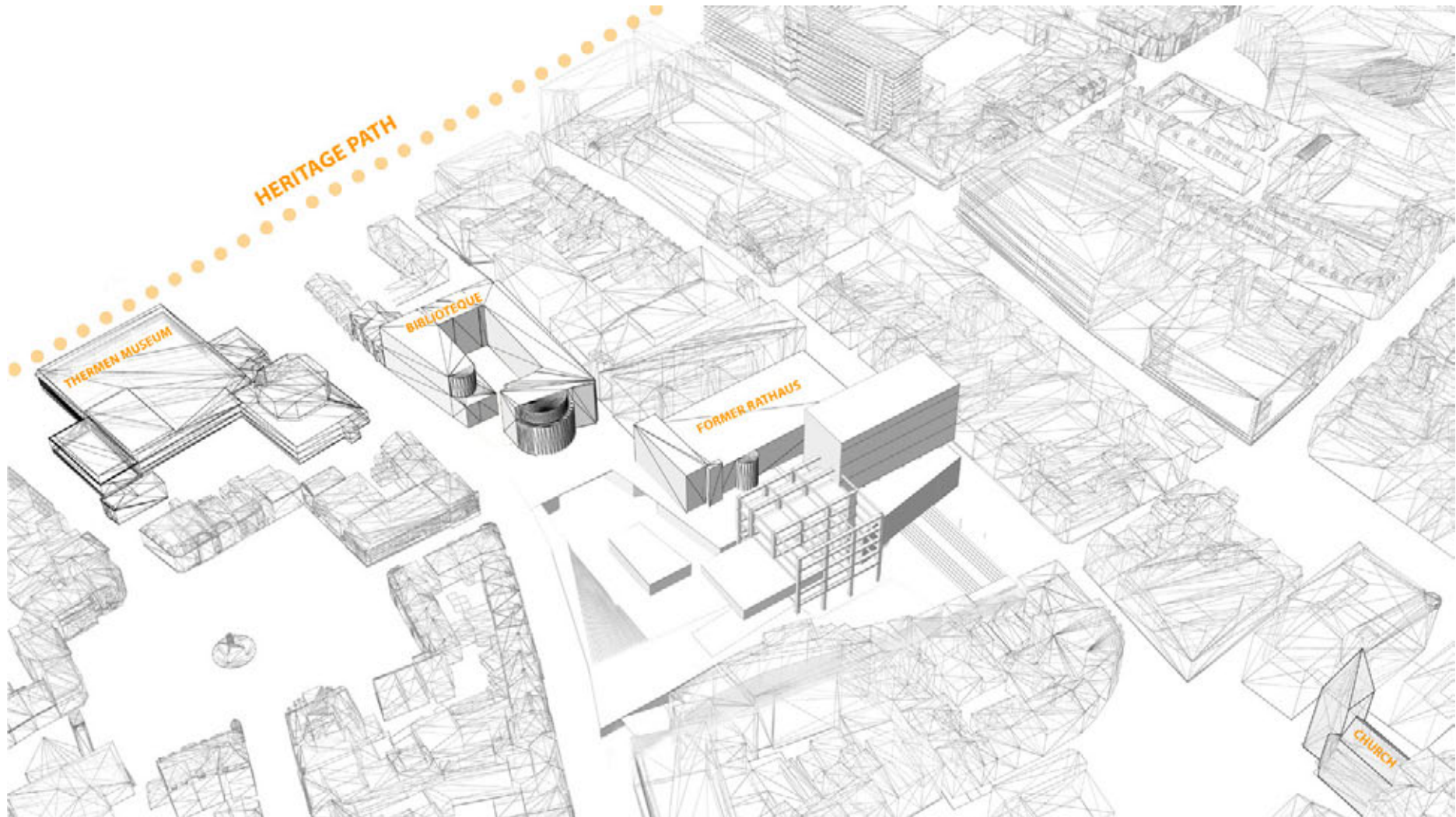


FINAL CONFIGURATION

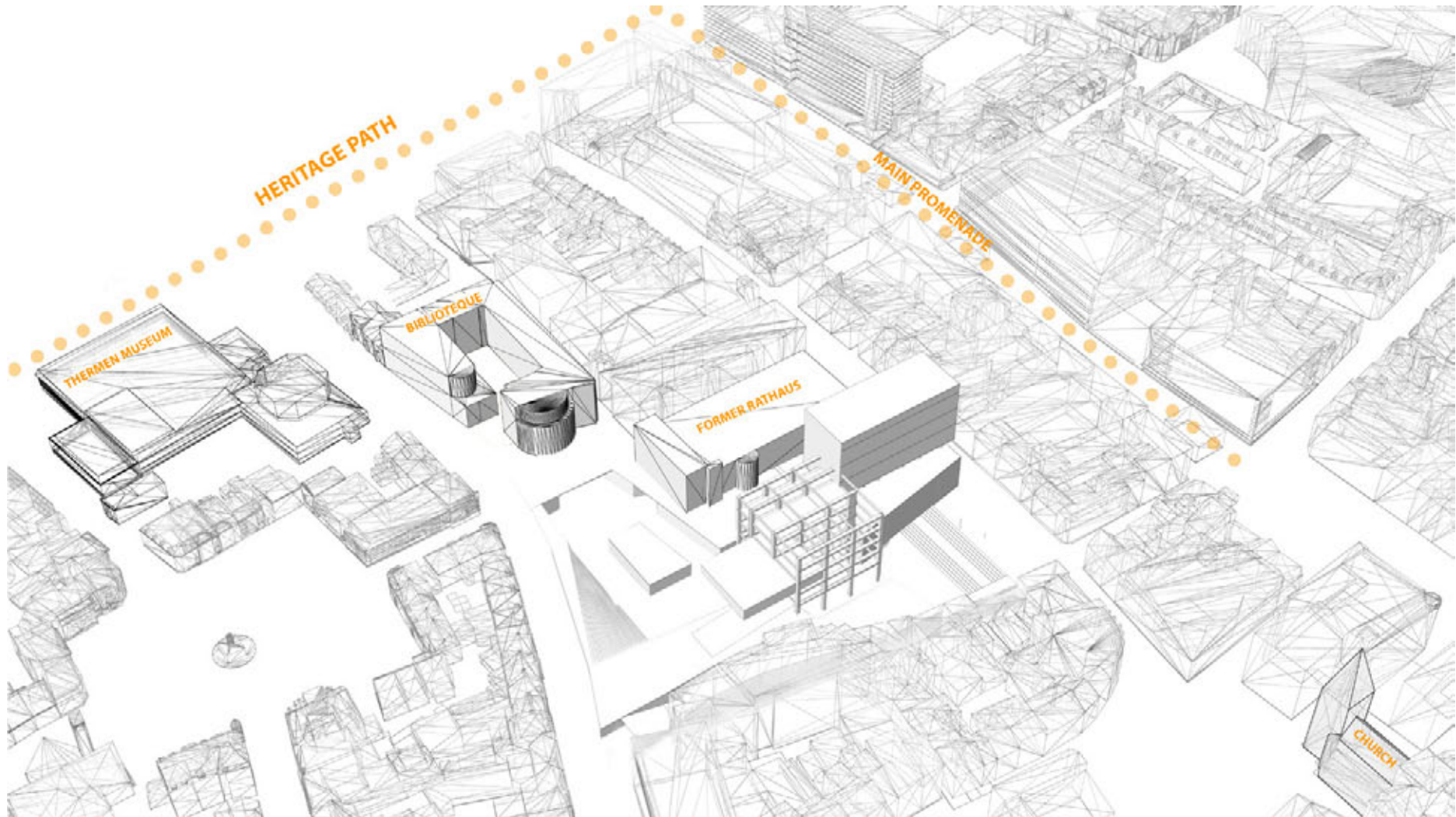
1_COMMON UNDERGROUND | upside_down_URBAN RECONNECTION



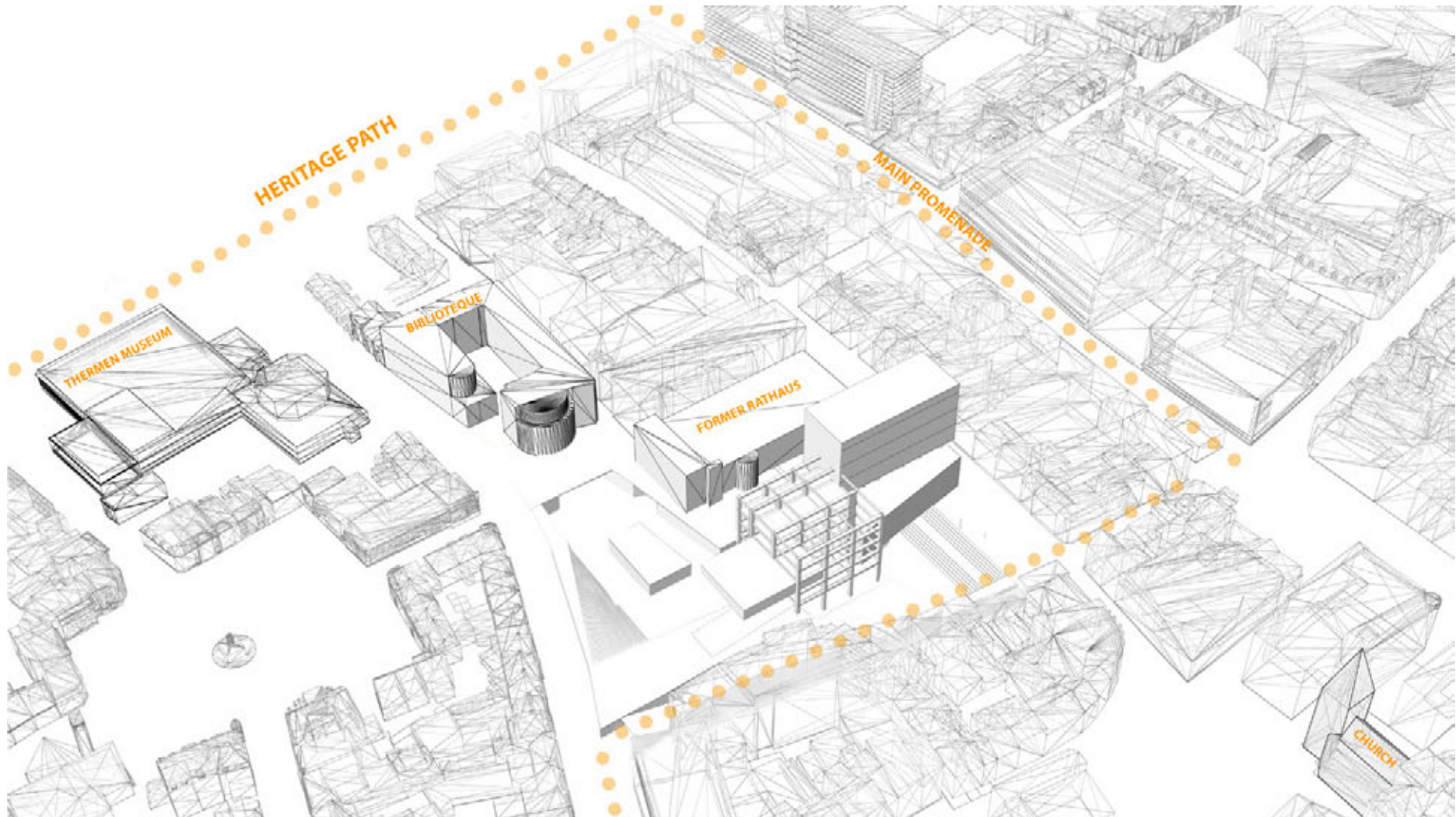
1_COMMON UNDERGROUND | upside_down_URBAN RECONNECTION



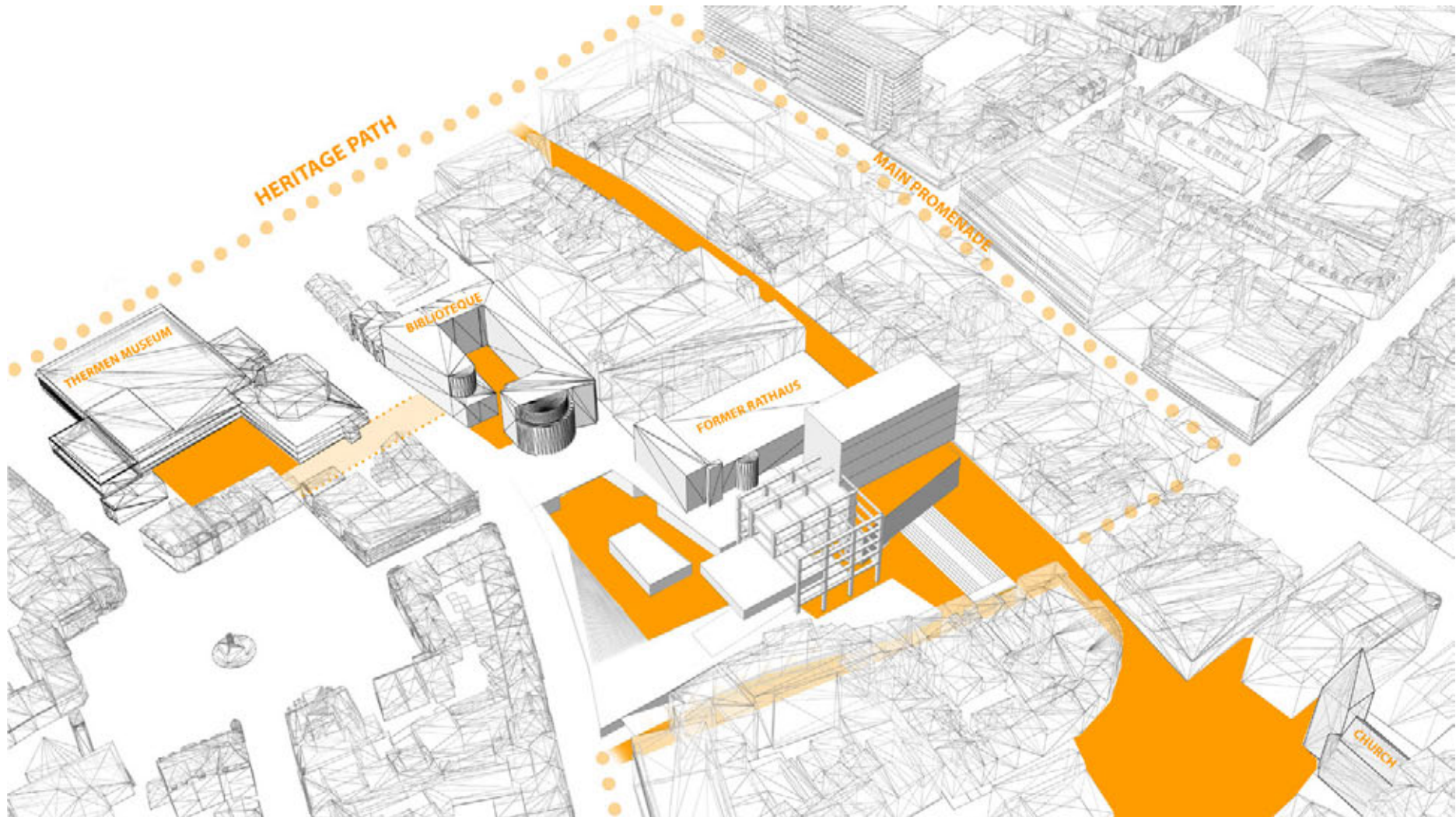
1_COMMON UNDERGROUND | upside_down_URBAN RECONNECTION



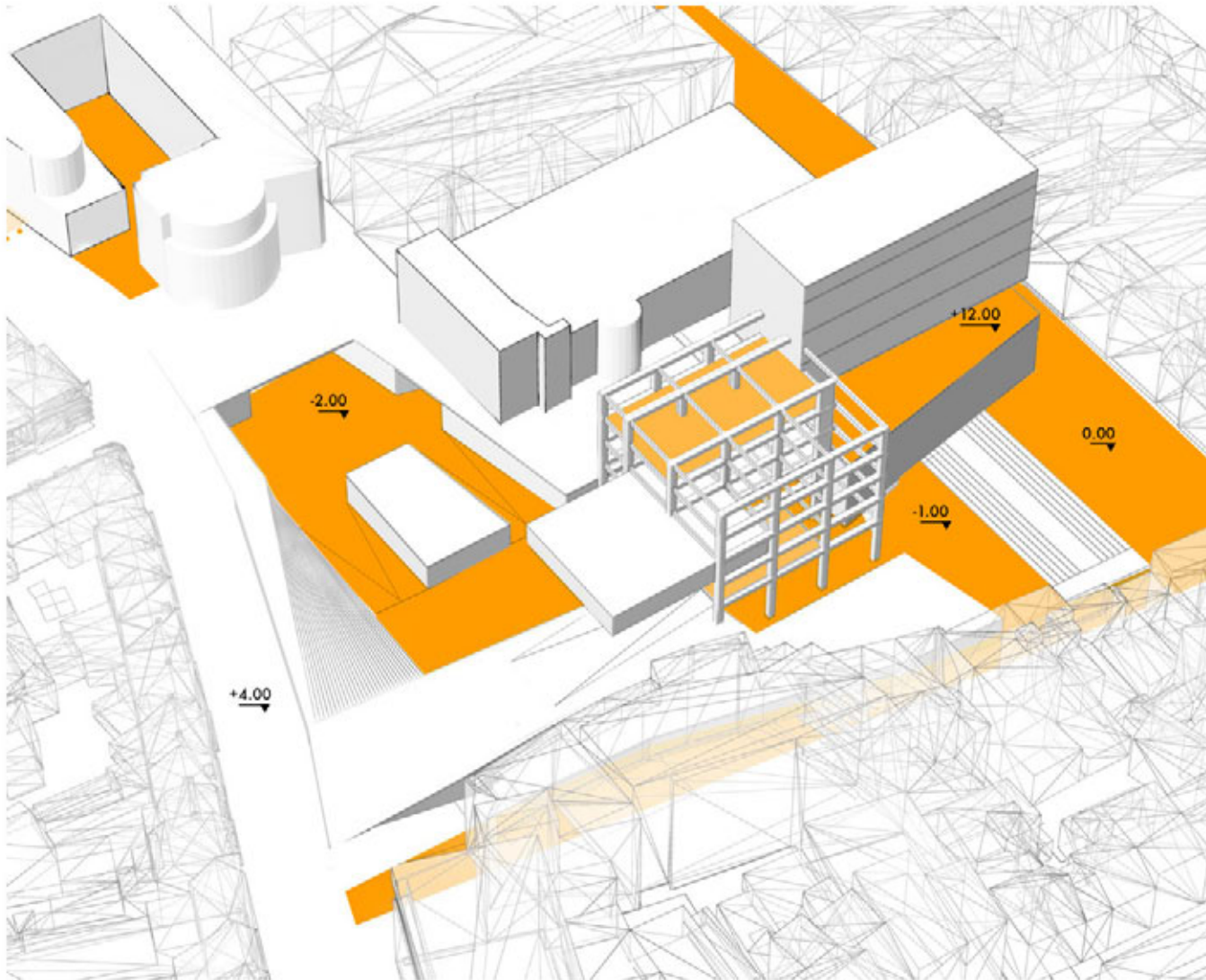
1_COMMON UNDERGROUND | upside_down_URBAN RECONNECTION



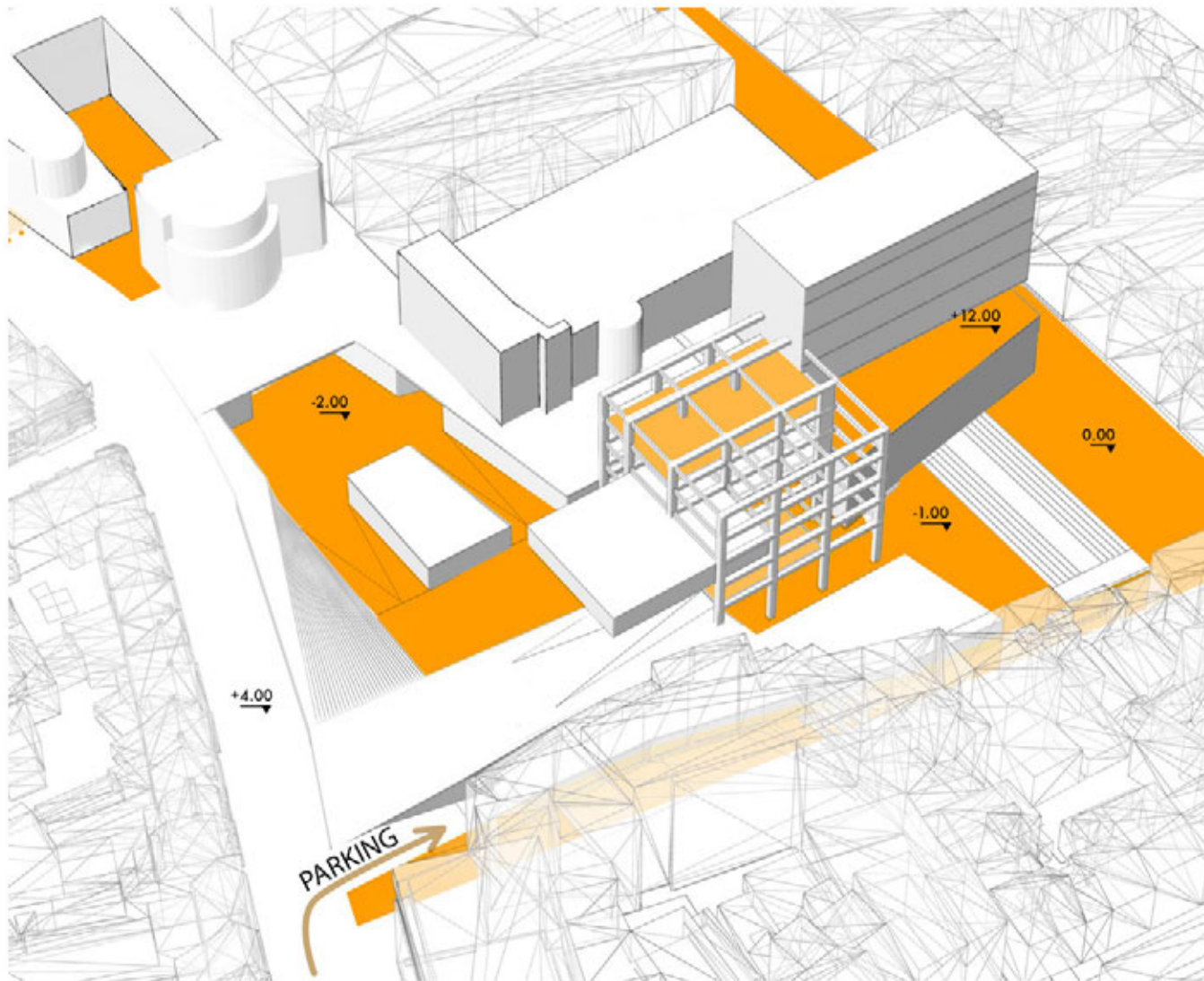
1_COMMON UNDERGROUND | upside_down_URBAN RECONNECTION



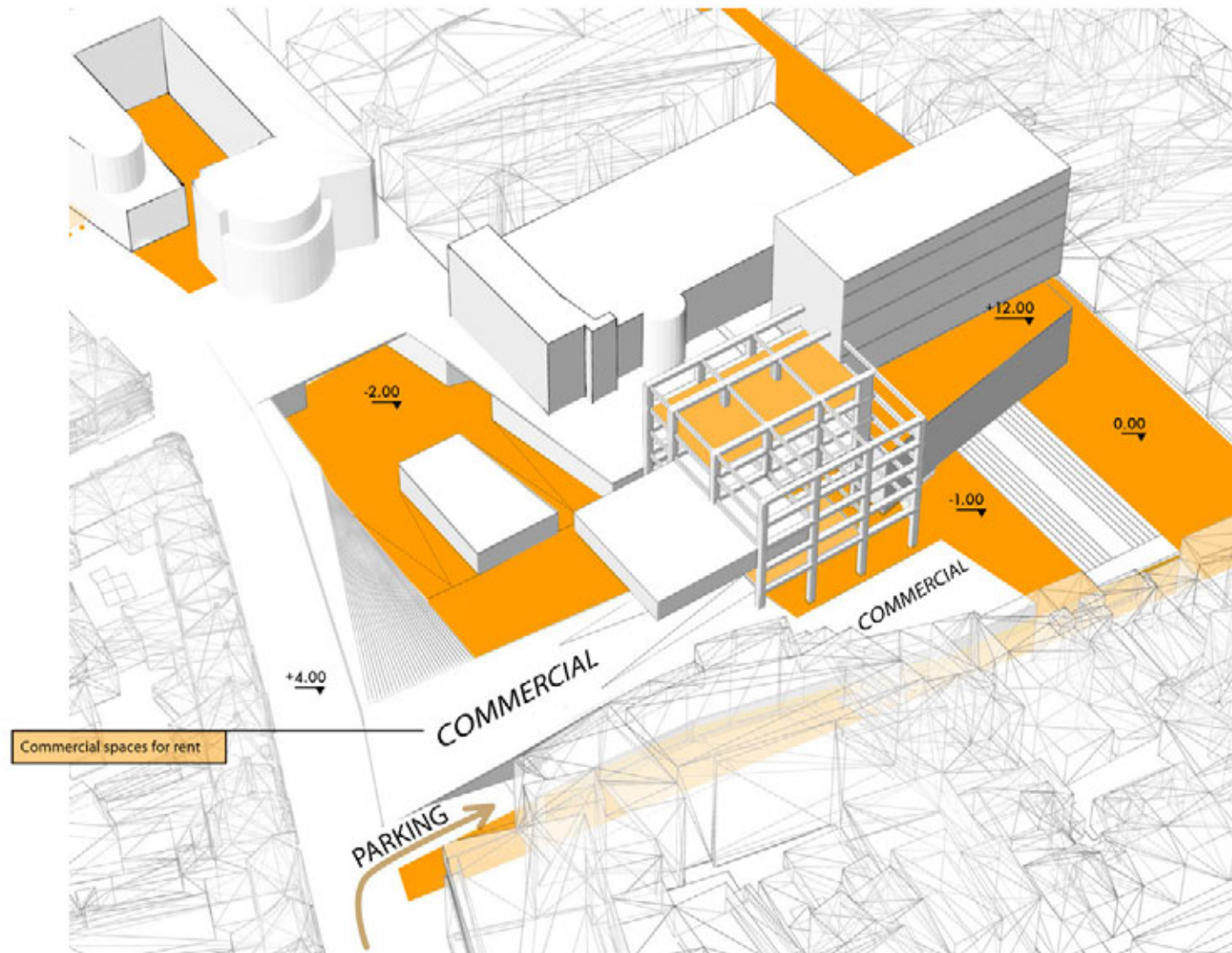
1_COMMON UNDERGROUND | upside_down_PROGRAM



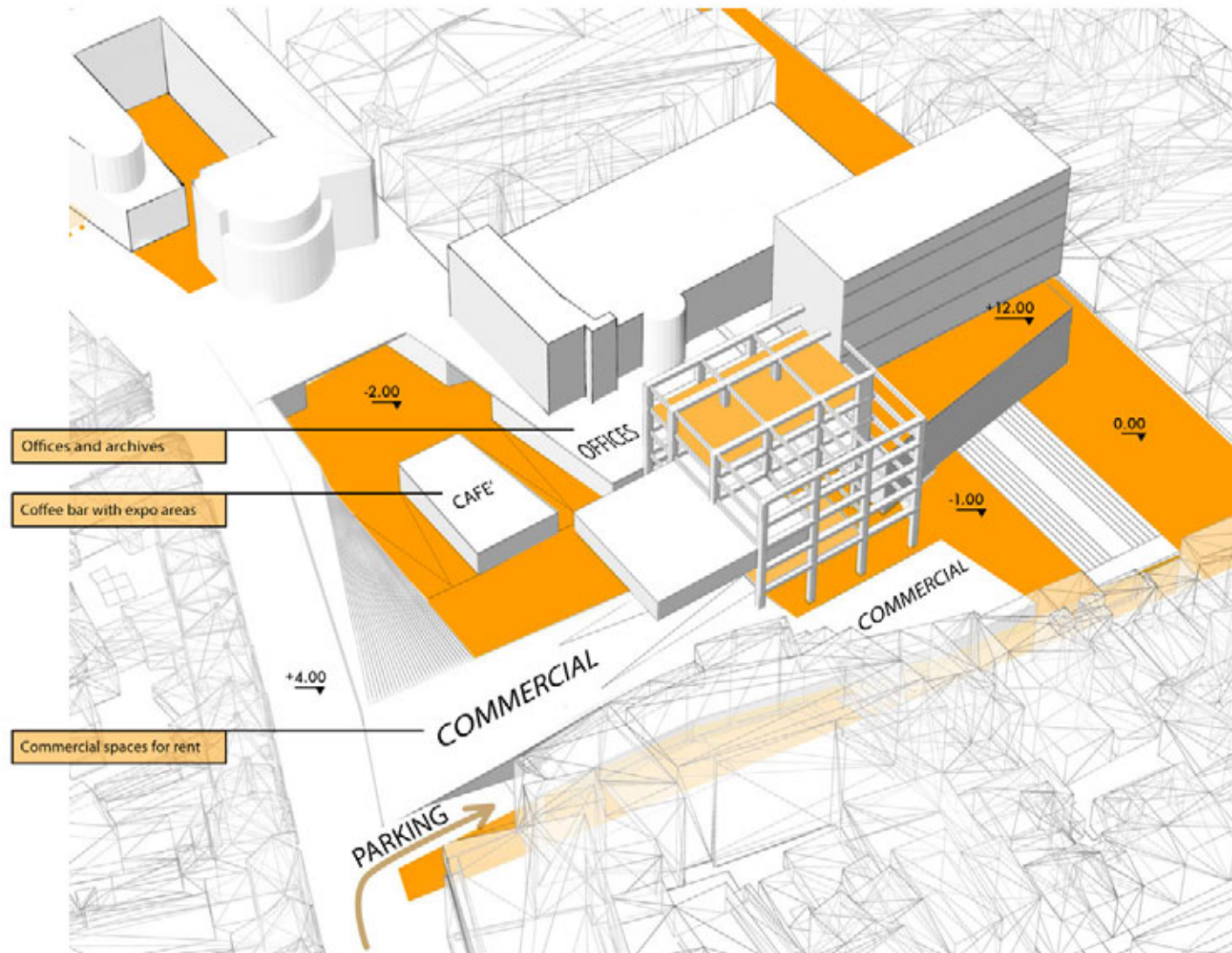
1_COMMON UNDERGROUND | upside_down_PROGRAM



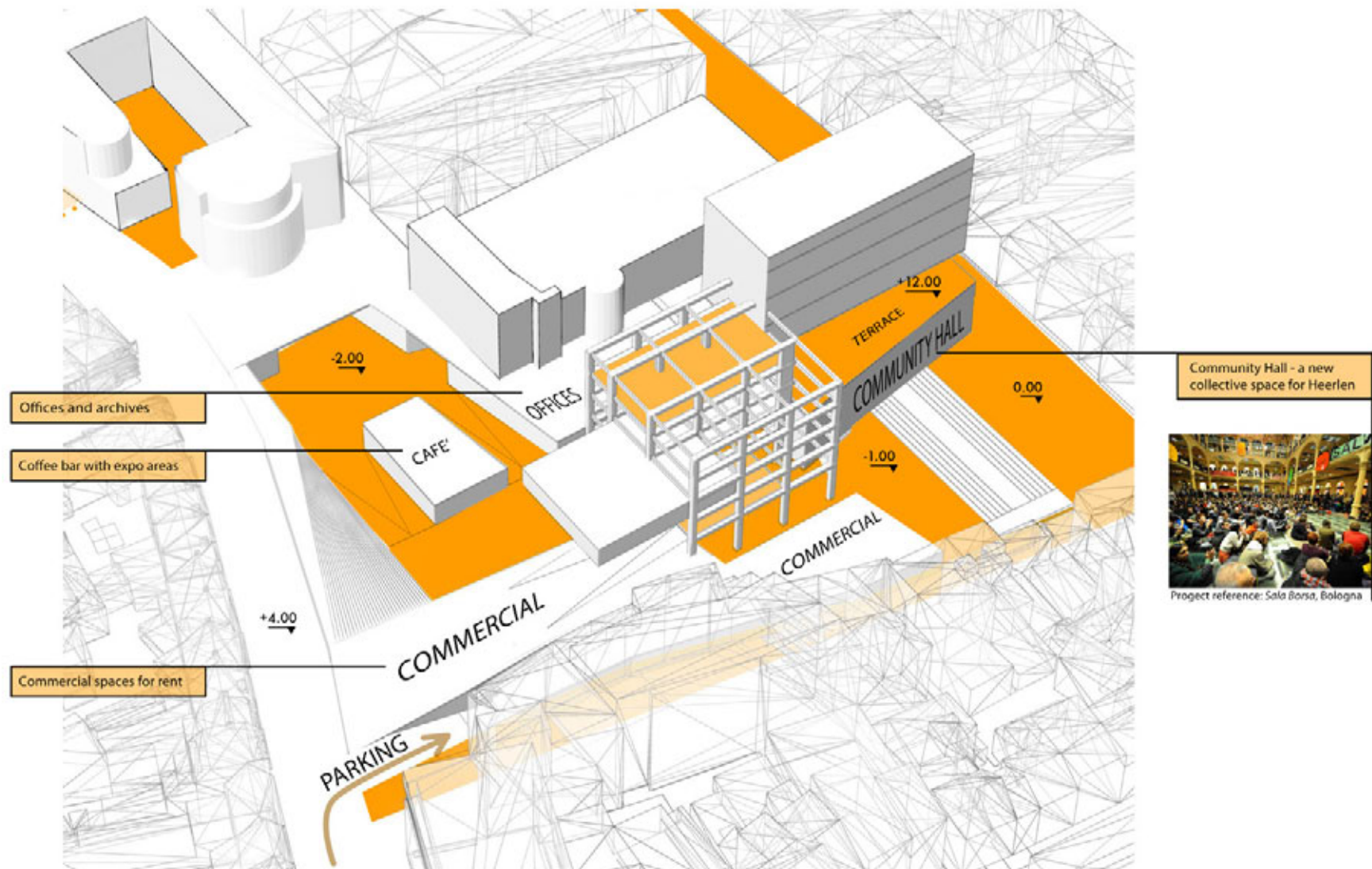
1_COMMON UNDERGROUND | upside_down_PROGRAM



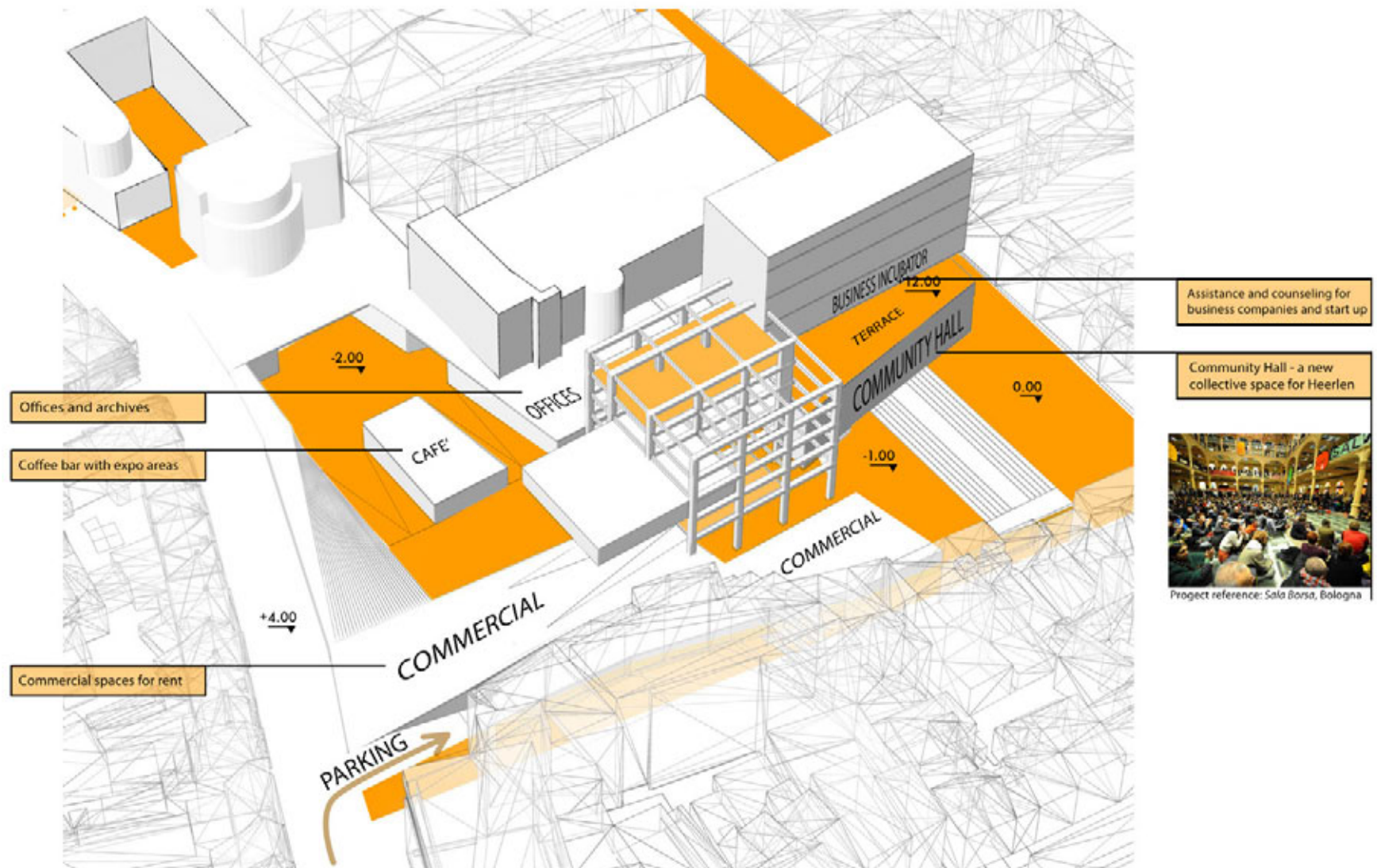
1_COMMON UNDERGROUND | upside_down_PROGRAM



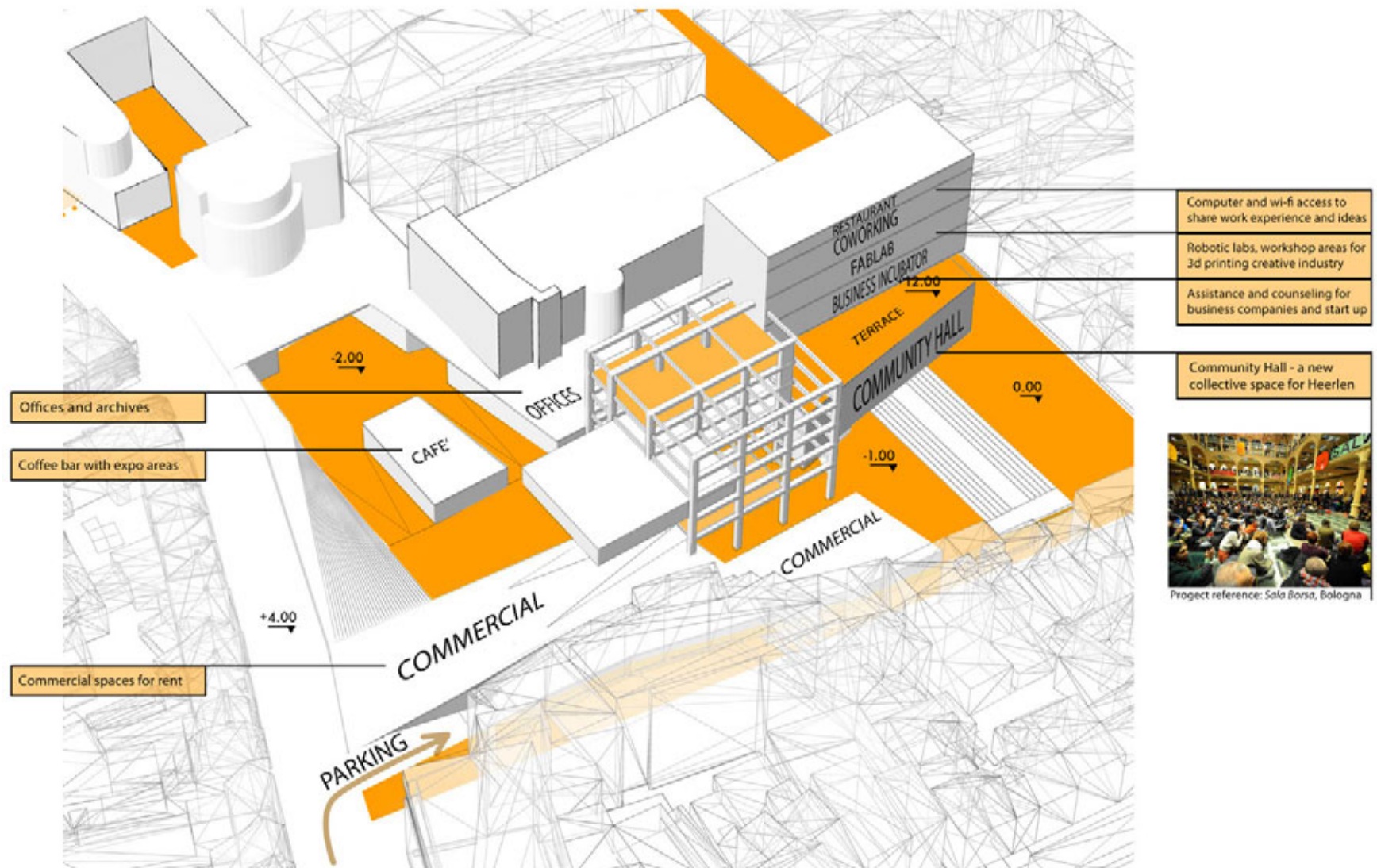
1_COMMON UNDERGROUND | upside_down_PROGRAM



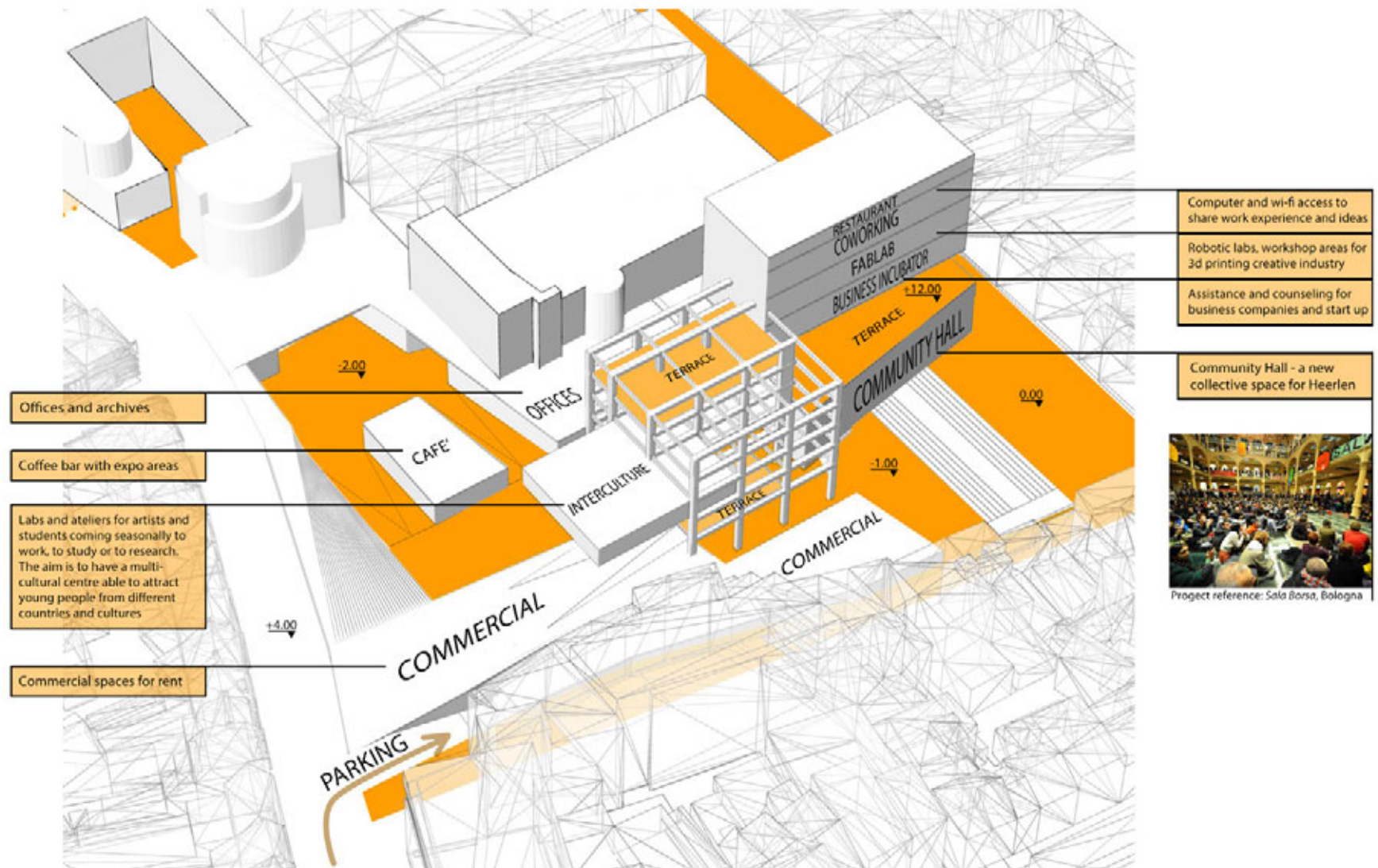
1_COMMON UNDERGROUND | upside_down_PROGRAM



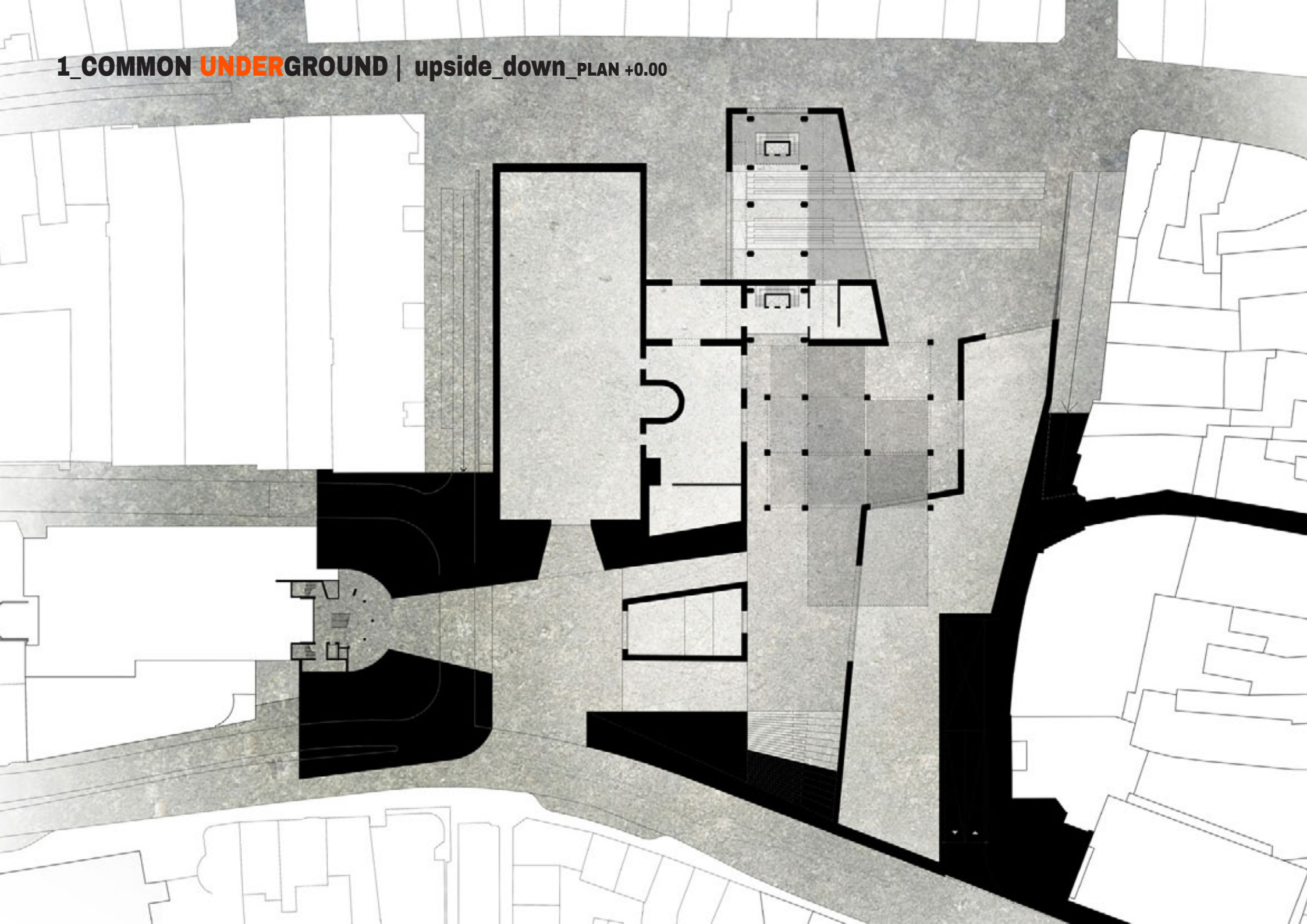
1_COMMON UNDERGROUND | upside_down_PROGRAM



1_COMMON UNDERGROUND | upside_down_PROGRAM

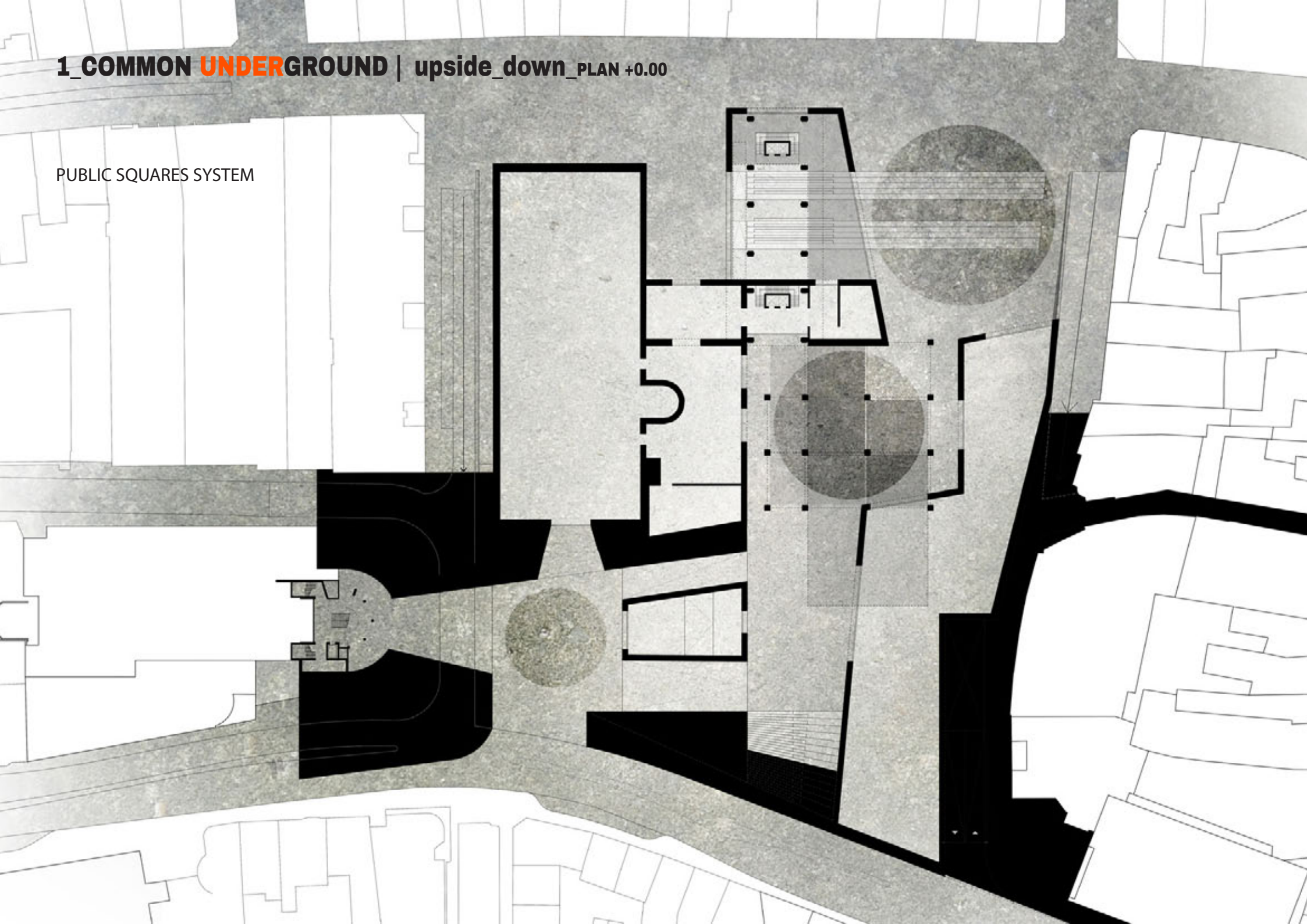


1_COMMON UNDERGROUND | upside_down_PLAN +0.00



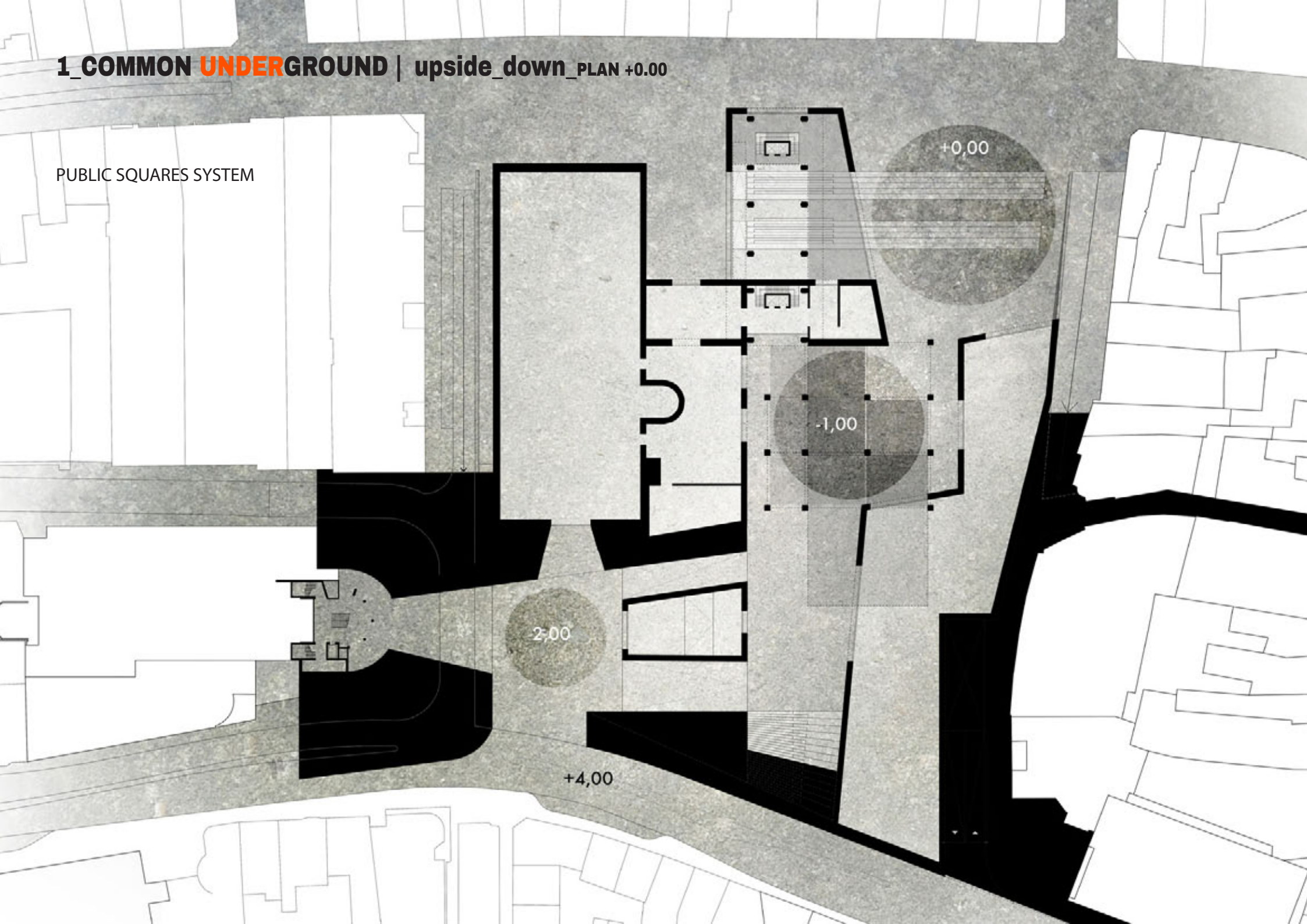
1_COMMON UNDERGROUND | upside_down_PLAN +0.00

PUBLIC SQUARES SYSTEM



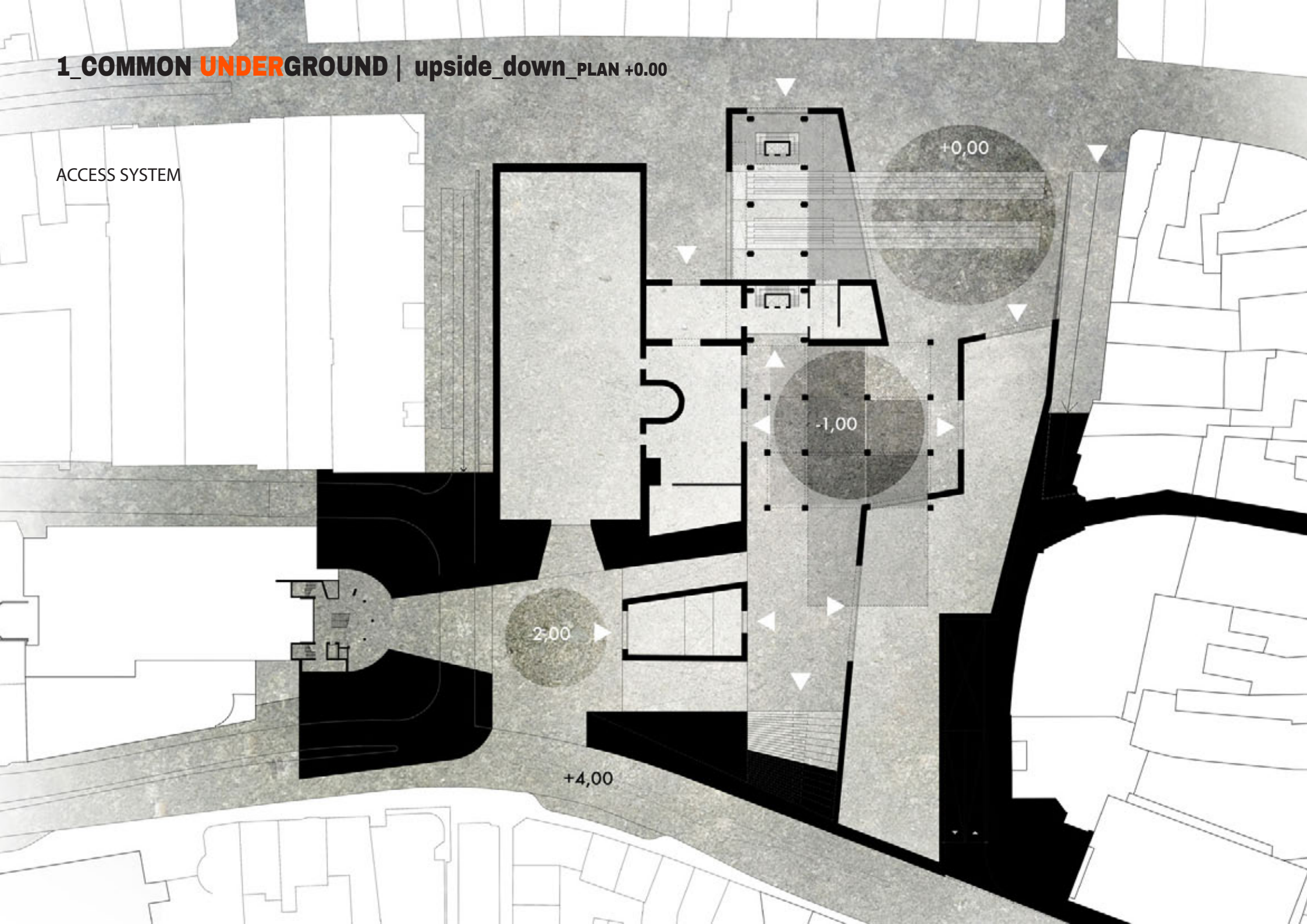
1_COMMON UNDERGROUND | upside_down_PLAN +0.00

PUBLIC SQUARES SYSTEM



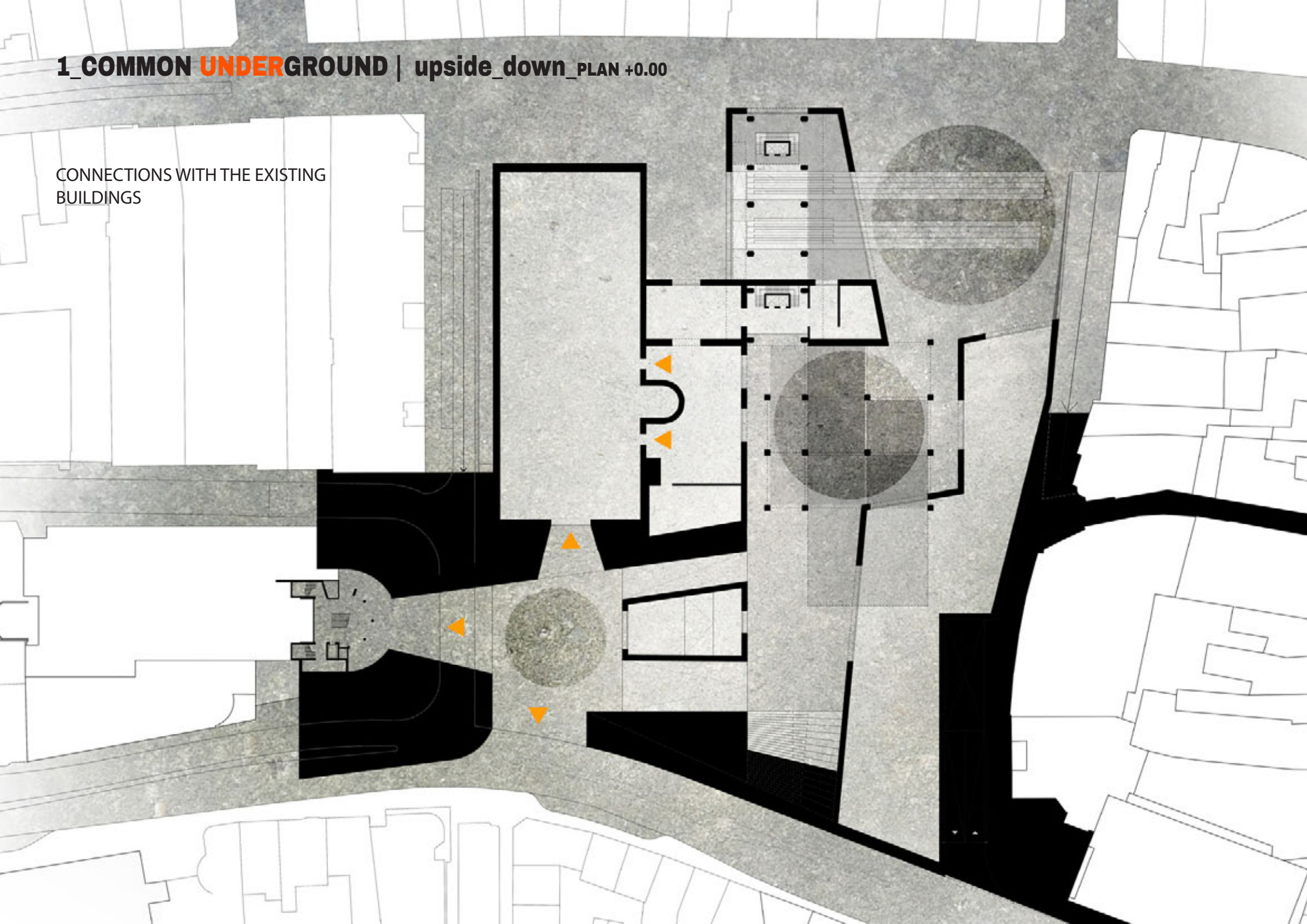
1_COMMON UNDERGROUND | upside_down_PLAN +0.00

ACCESS SYSTEM



1_COMMON UNDERGROUND | upside_down_PLAN +0.00

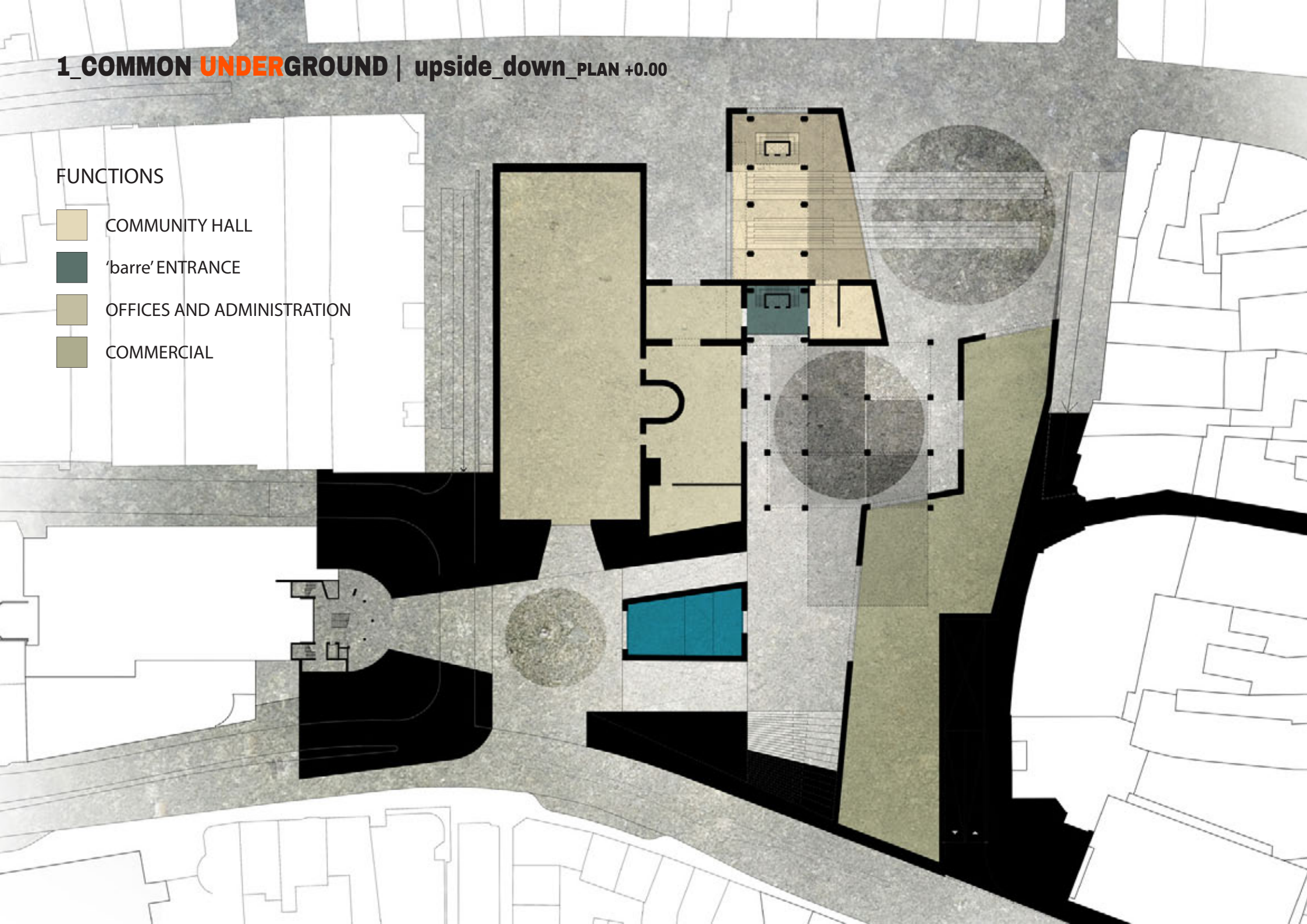
CONNECTIONS WITH THE EXISTING
BUILDINGS



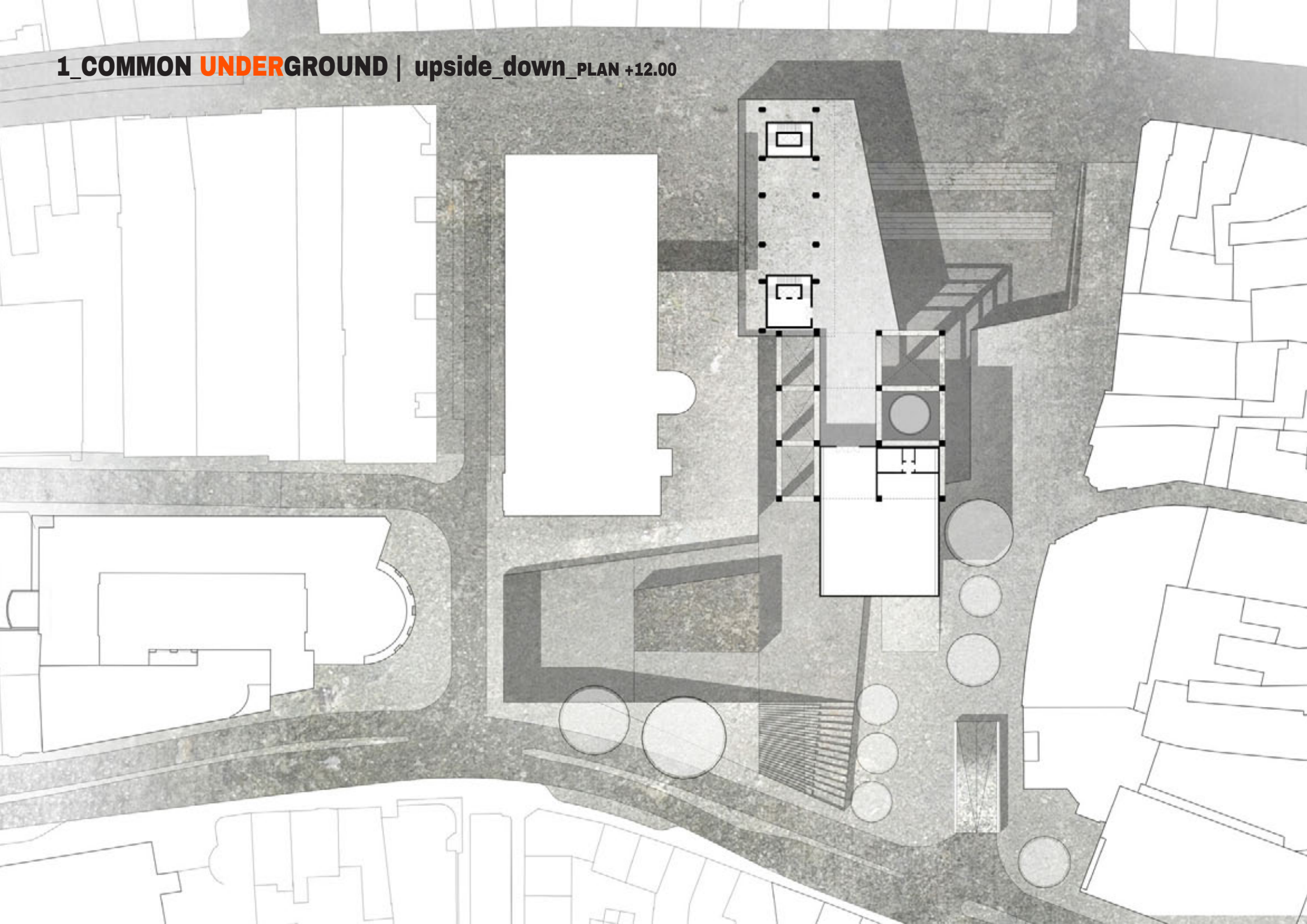
1_COMMON UNDERGROUND | upside_down_PLAN +0.00

FUNCTIONS

- COMMUNITY HALL
- 'barre' ENTRANCE
- OFFICES AND ADMINISTRATION
- COMMERCIAL



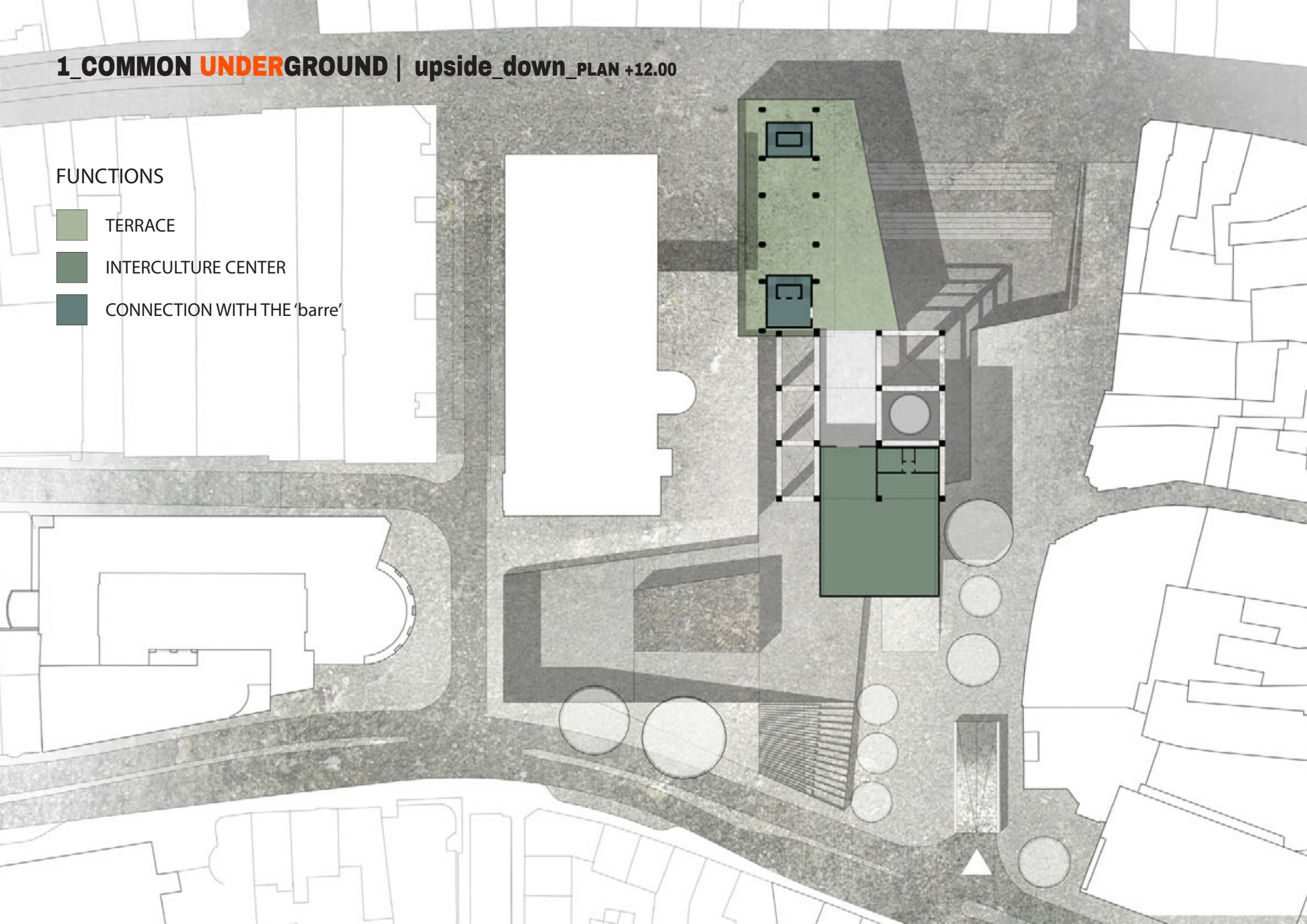
1_COMMON UNDERGROUND | upside_down_PLAN +12.00



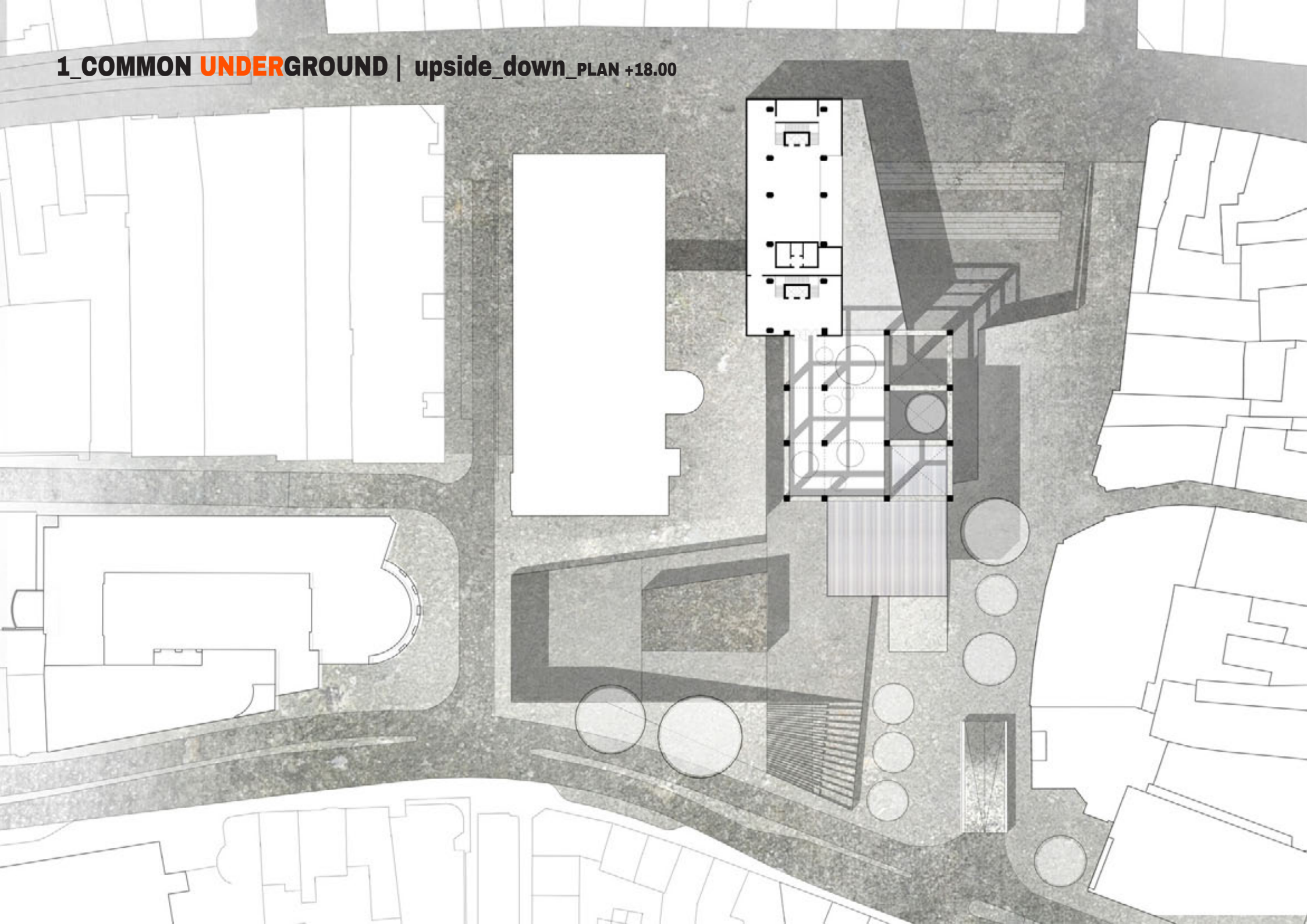
1_COMMON UNDERGROUND | upside_down_PLAN +12.00

FUNCTIONS

- TERRACE
- INTERCULTURE CENTER
- CONNECTION WITH THE 'barre'



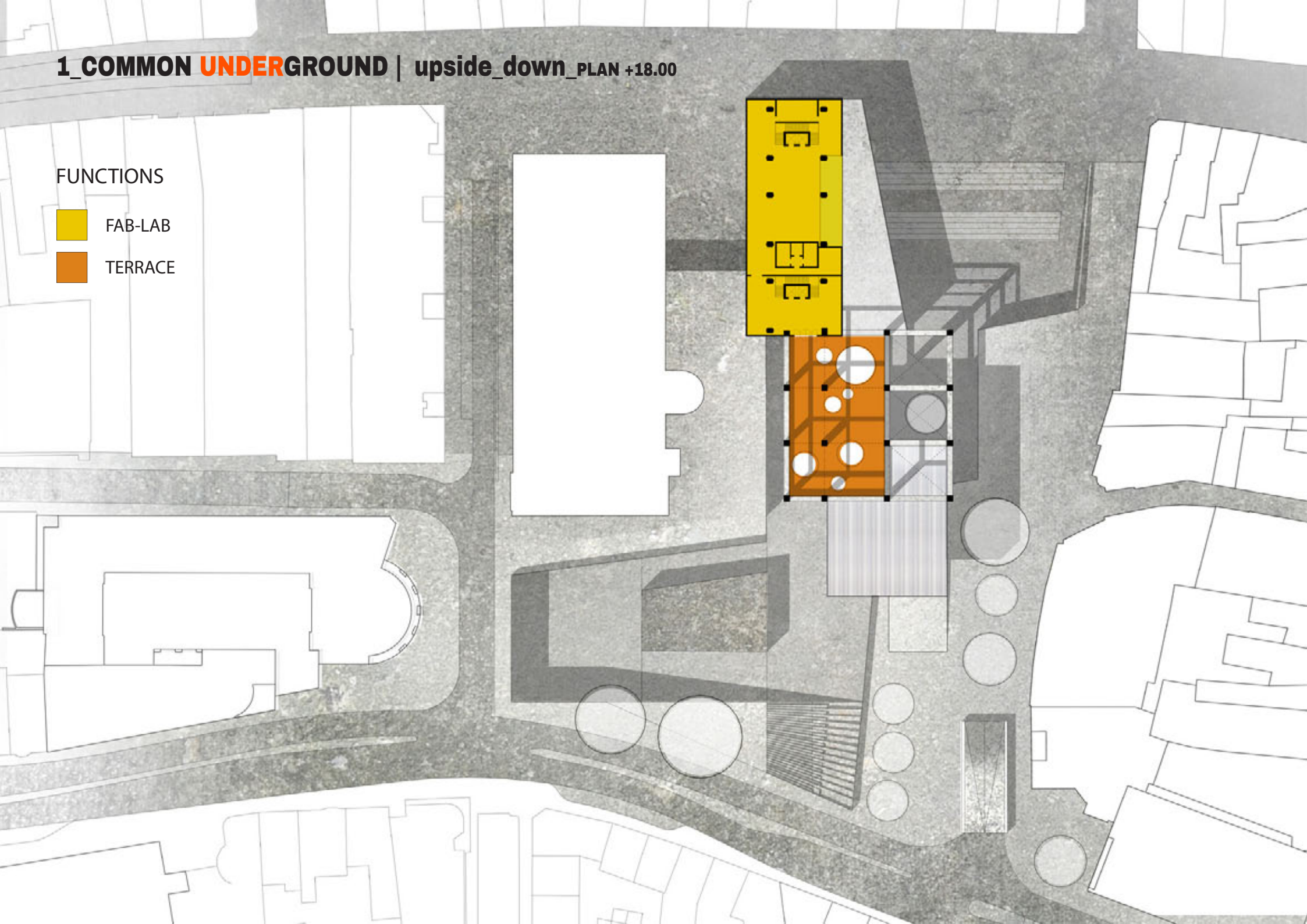
1_COMMON UNDERGROUND | upside_down_PLAN +18.00



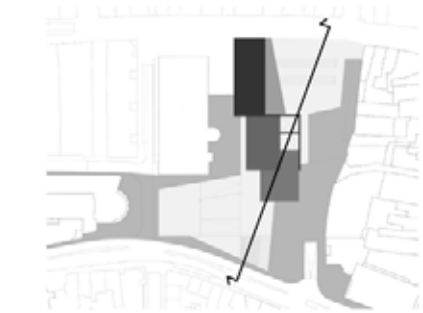
1_COMMON UNDERGROUND | upside_down_PLAN +18.00

FUNCTIONS

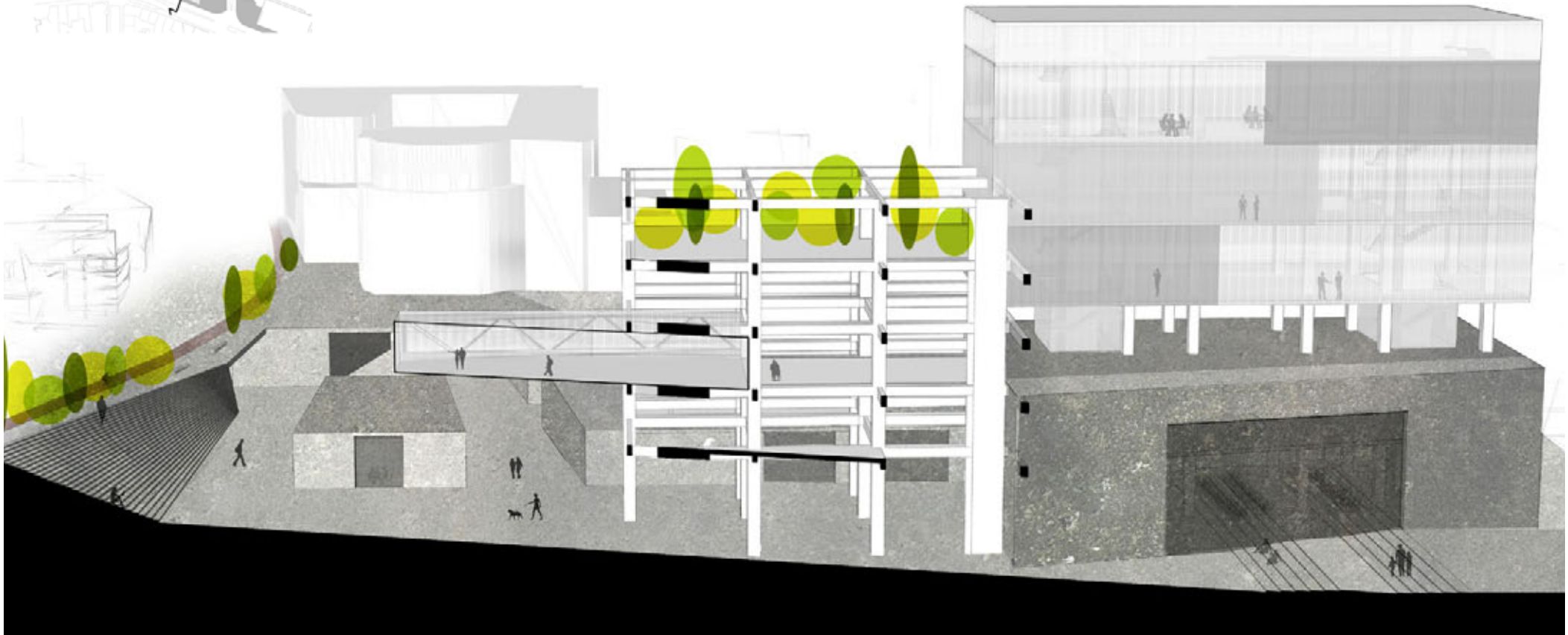
- FAB-LAB
- TERRACE



1_COMMON UNDERGROUND | upside_down



			RESTAURANT
			COWORKING
			FAIR LAB
			BUSINESS INCUBATOR
INTERCULTURE			
			COMMUNITY HALL



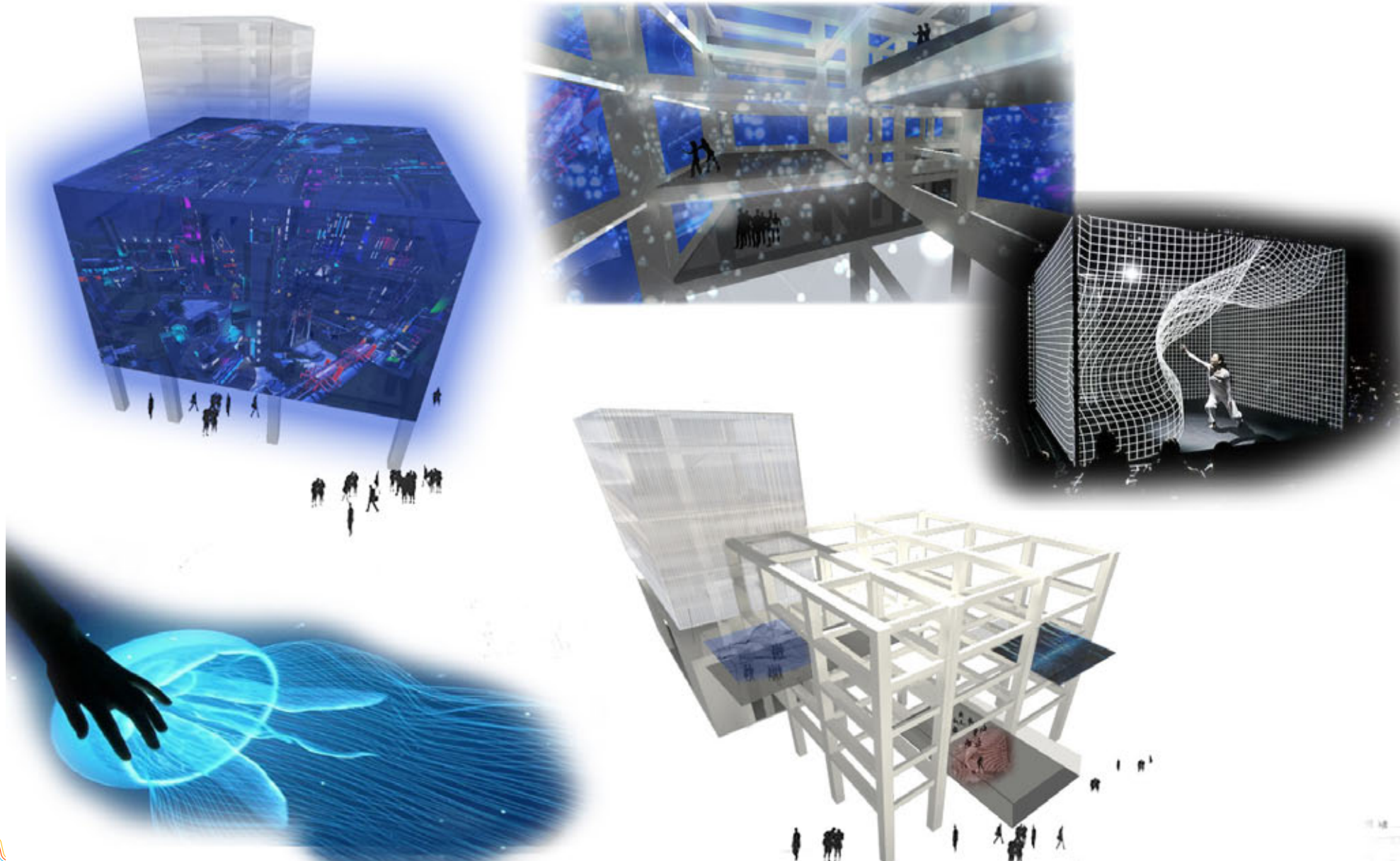
1_COMMON UNDERGROUND | upside_down



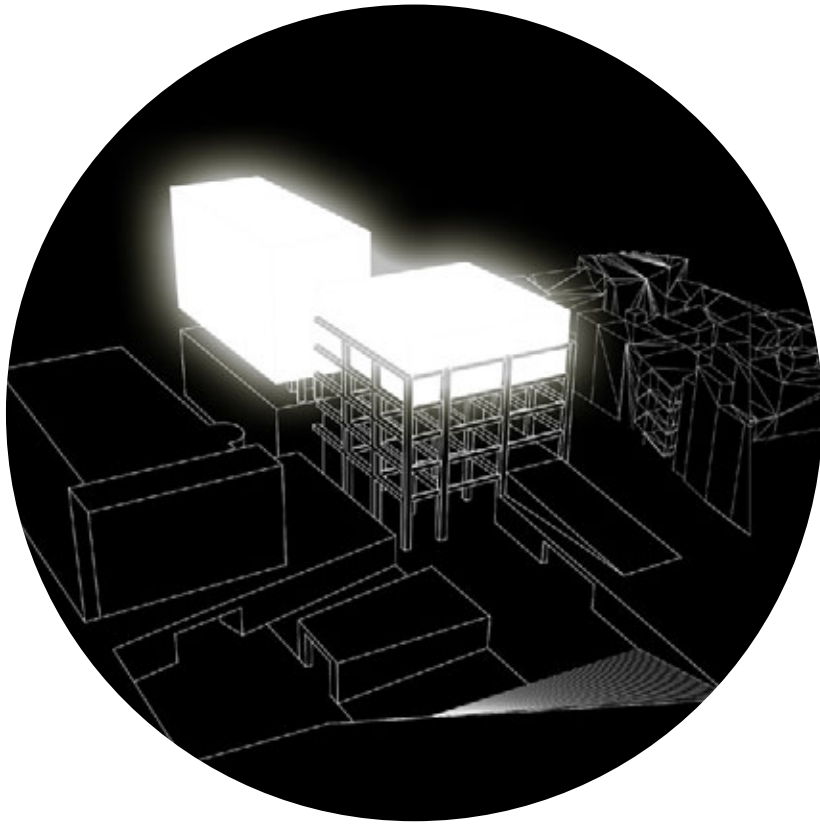
1_COMMON UNDERGROUND | upside_down



1_COMMON UNDERGROUND | upside_down_DYNAMIC MATRIX

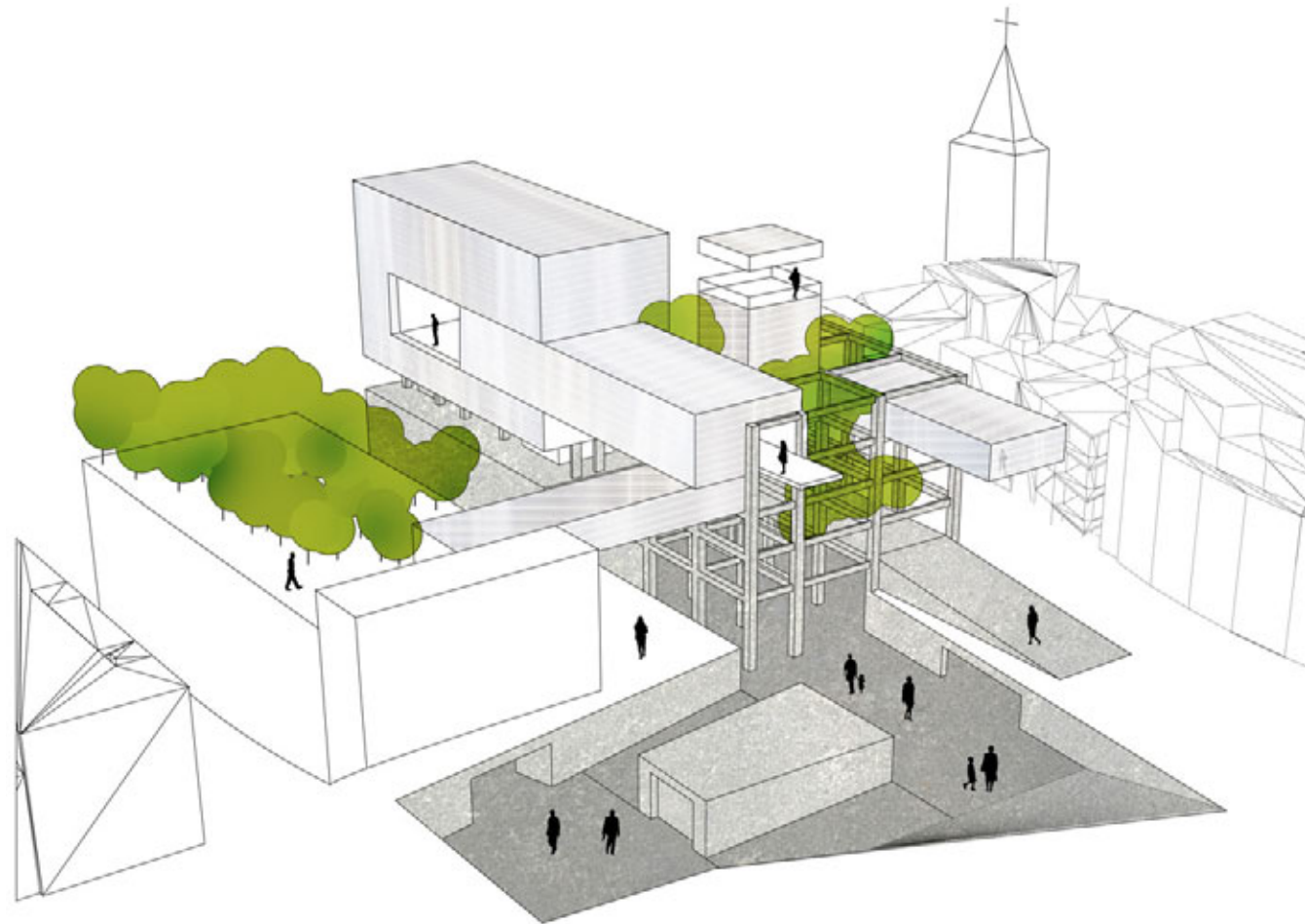


1_COMMON UNDERGROUND | upside_down_DYNAMIC MATRIX



The Volumes as Lanterns

Fragmentation of the Volumes

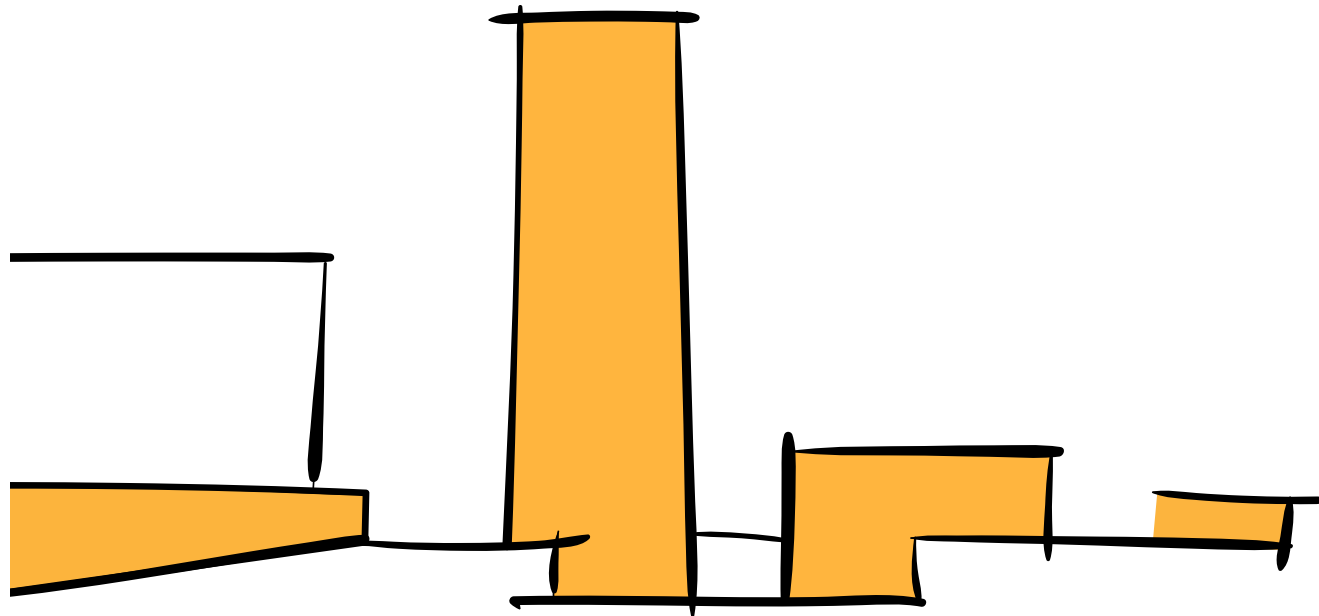


2_COMMON UNDERGROUND | scattered staadskantoor

PROPOSAL 2

“...therefore all barriers between builders and users must be abolished, so that building and using become two different parts of the same planning process...”

Giancarlo De Carlo



SCATTERED STAADSKANTOOR

THE NEW HEERLEN CITY HALL AS A URBAN PUBLIC SPACE

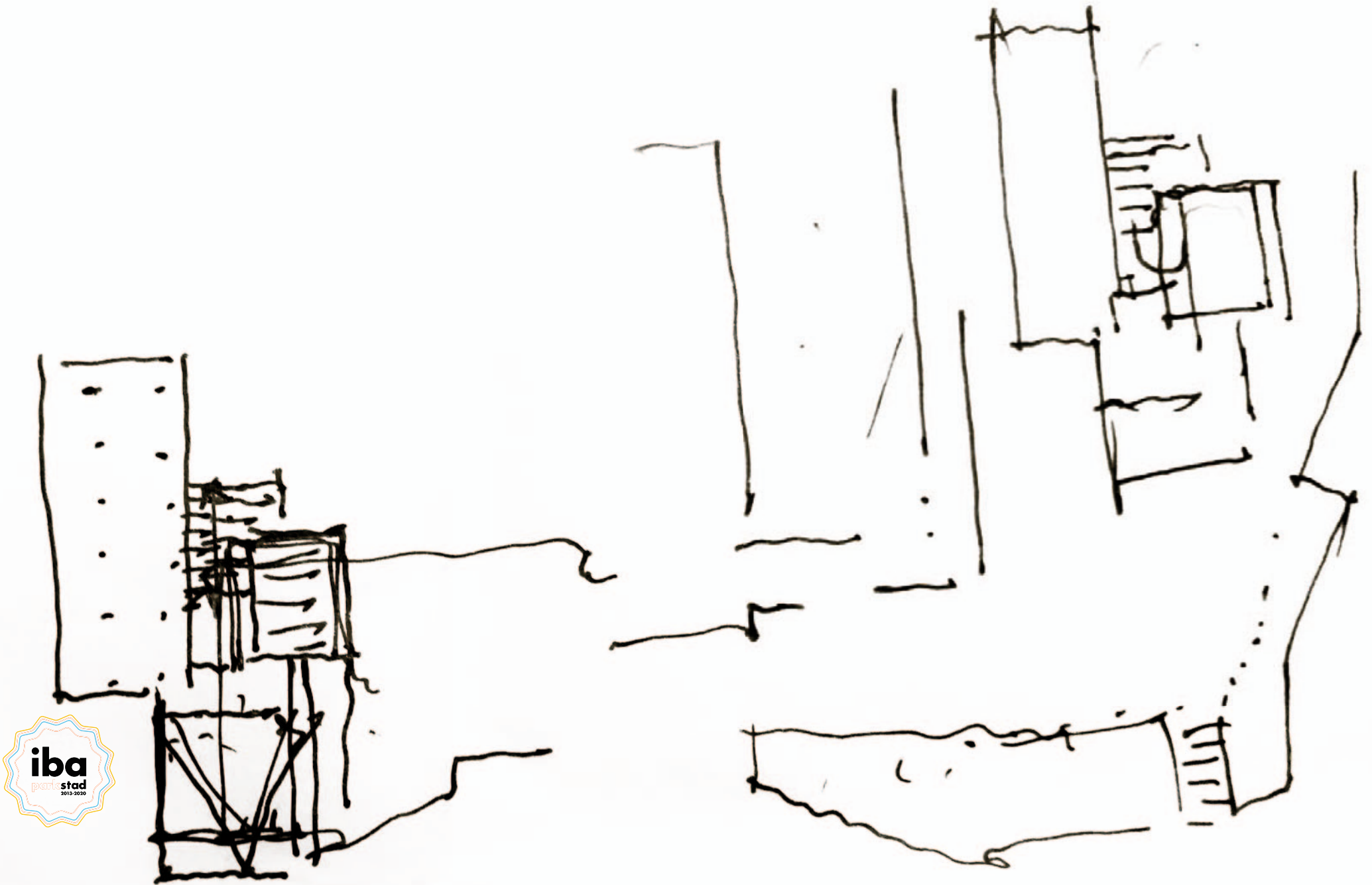
2_COMMON UNDERGROUND | scattered staadskantoor



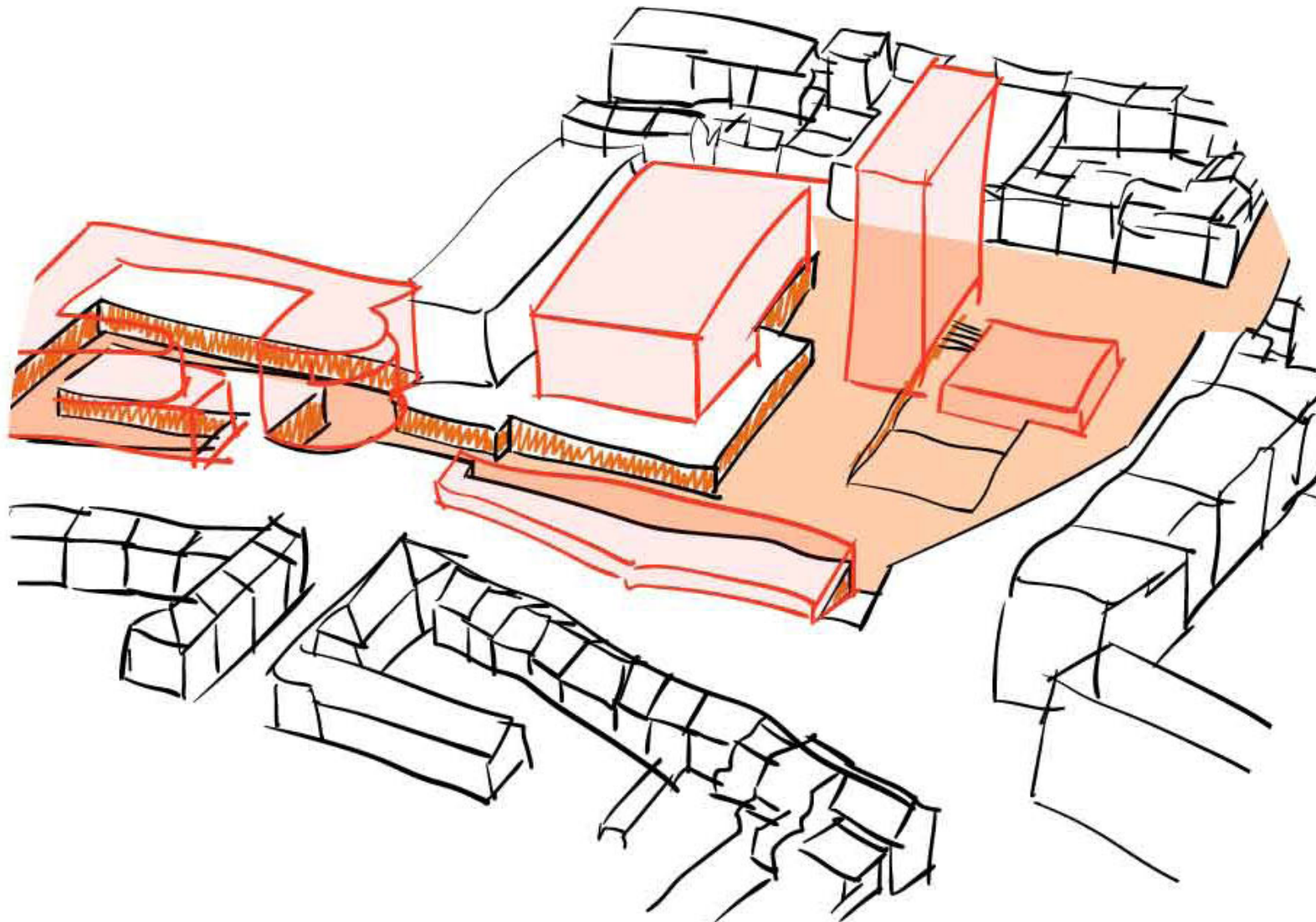
2_COMMON UNDERGROUND | scattered staadskantoor_SKETCH



2_COMMON UNDERGROUND | scattered staadskantoor_SKETCH



2_COMMON UNDERGROUND | scattered staadskantoor_SKETCH






2_COMMON UNDERGROUND | scattered stadskantoor_MASTERPLAN



2_COMMON UNDERGROUND | scattered staadskantoor_URBAN RECONNECTION_Underground Connections



Key

-  Thermen Museum
-  Library
-  Raadhuis
-  New Municipality building
-  Council hall

underground connection to

- Library
Raadhuis
Thermenmuseum



2_COMMON UNDERGROUND | scattered staadskantoor_URBAN RECONNECTION

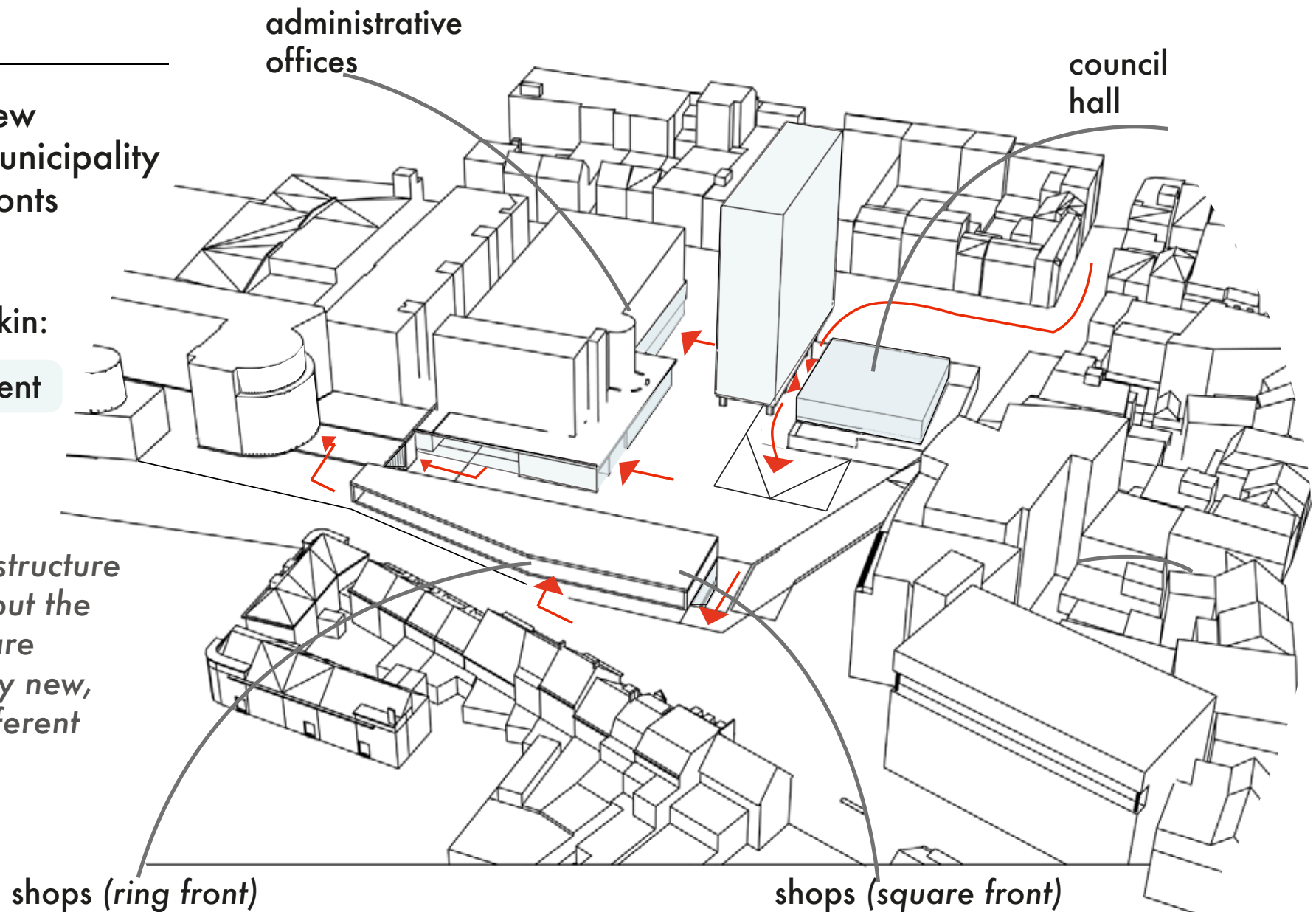
Key

 new
municipality
fronts

blade
building skin:

- transparent

*"the old structure
is visible but the
contents are
completely new,
with a different
meaning"*



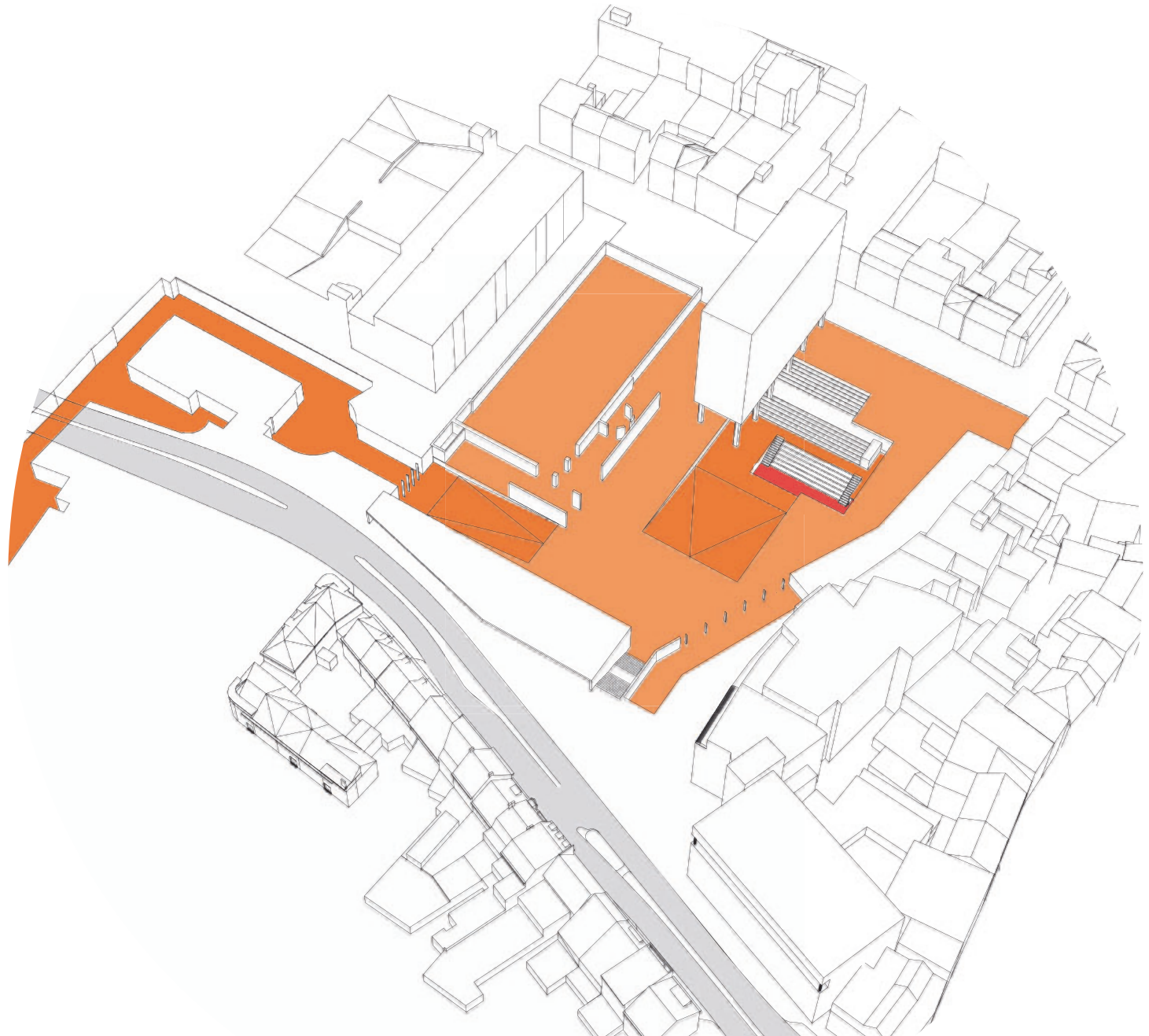
2_COMMON UNDERGROUND | scattered staadskantoor_URBAN RECONNECTION_Square Levels

Key

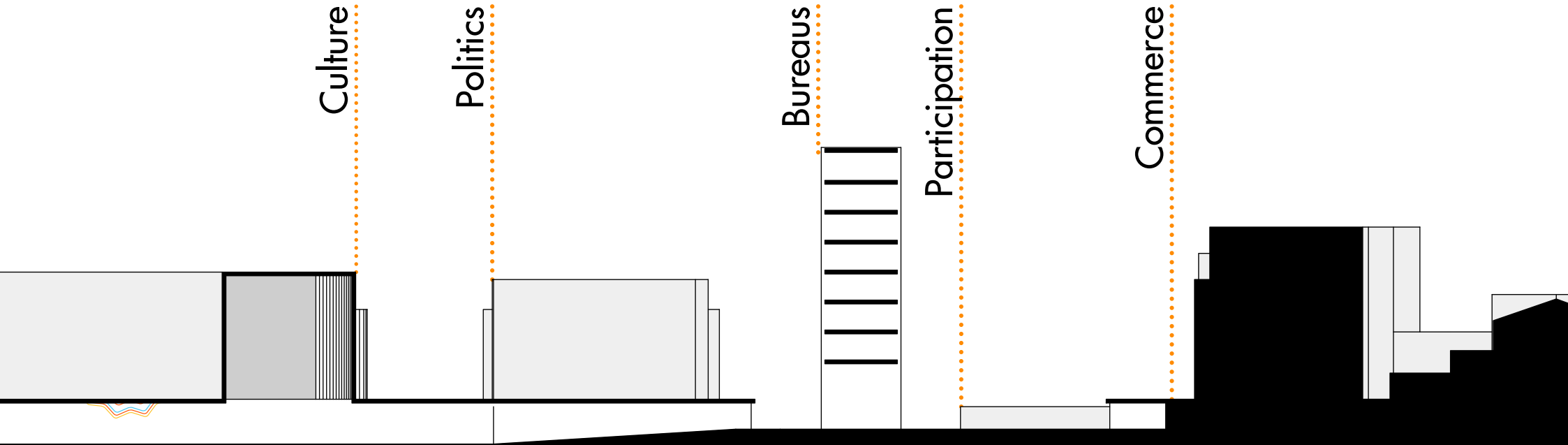
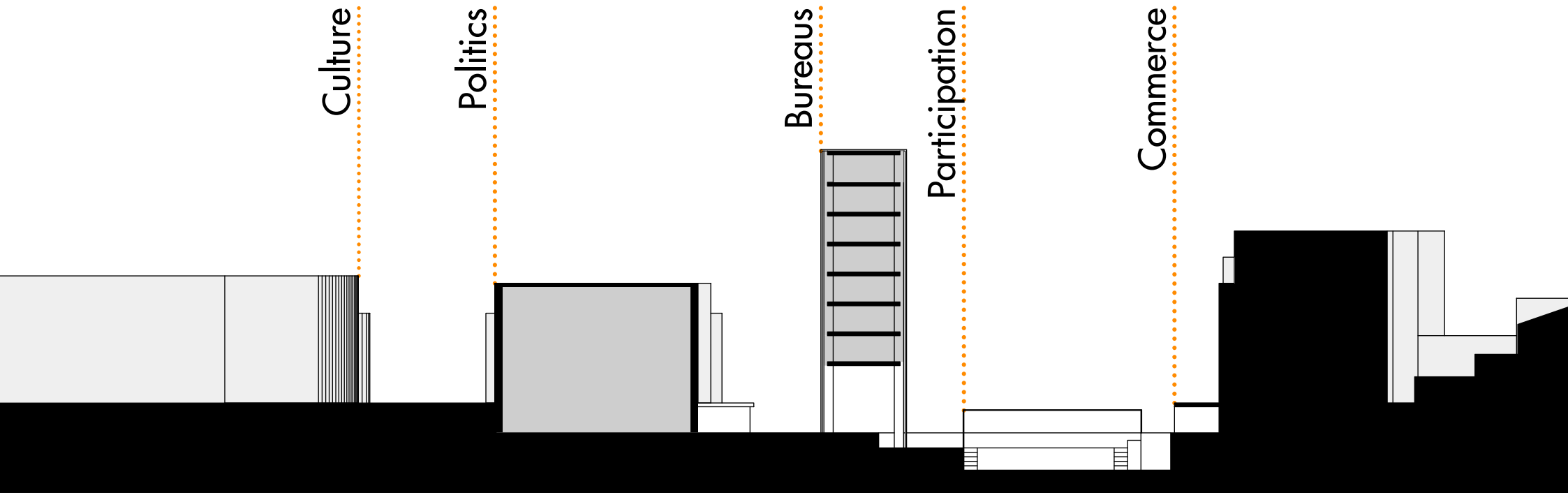
0,00

- 2,00

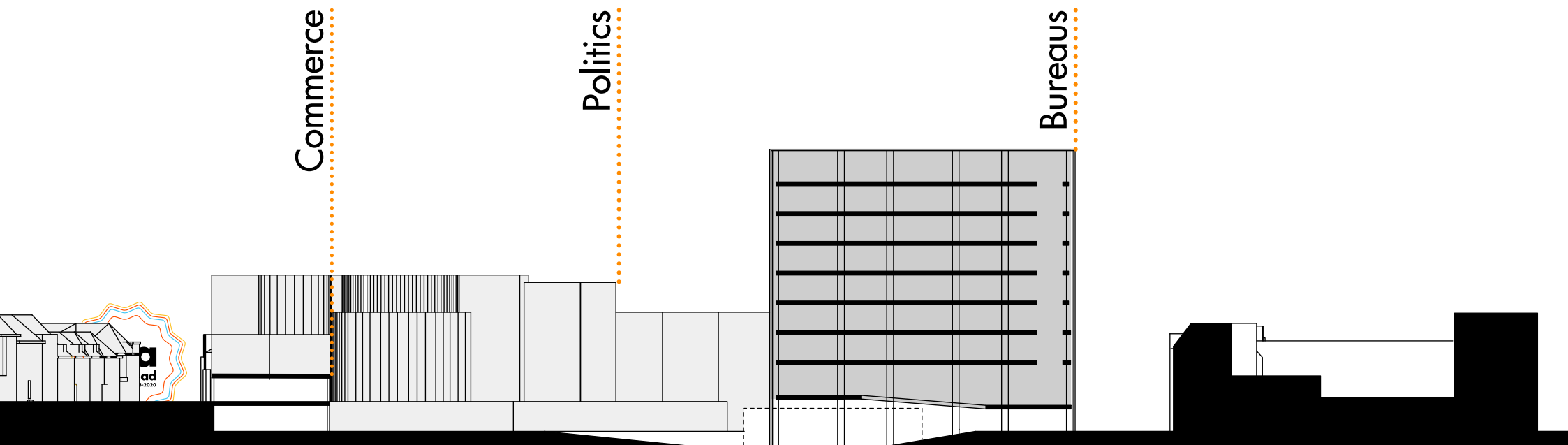
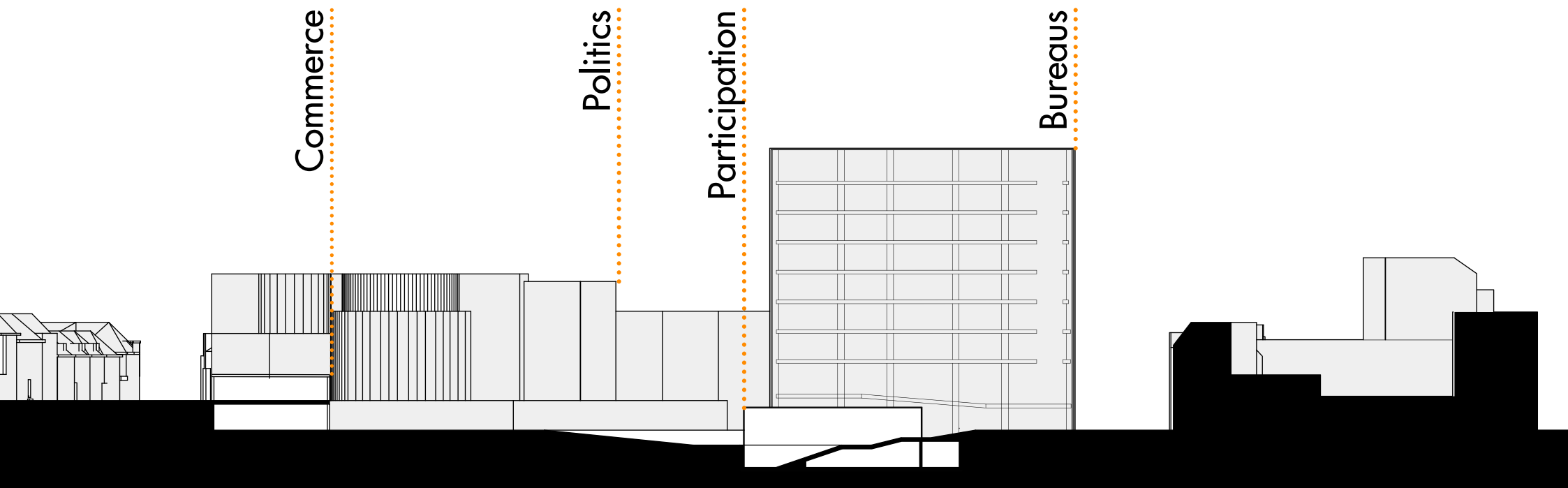
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2_COMMON UNDERGROUND | scattered staadskantoor_SECTIONS



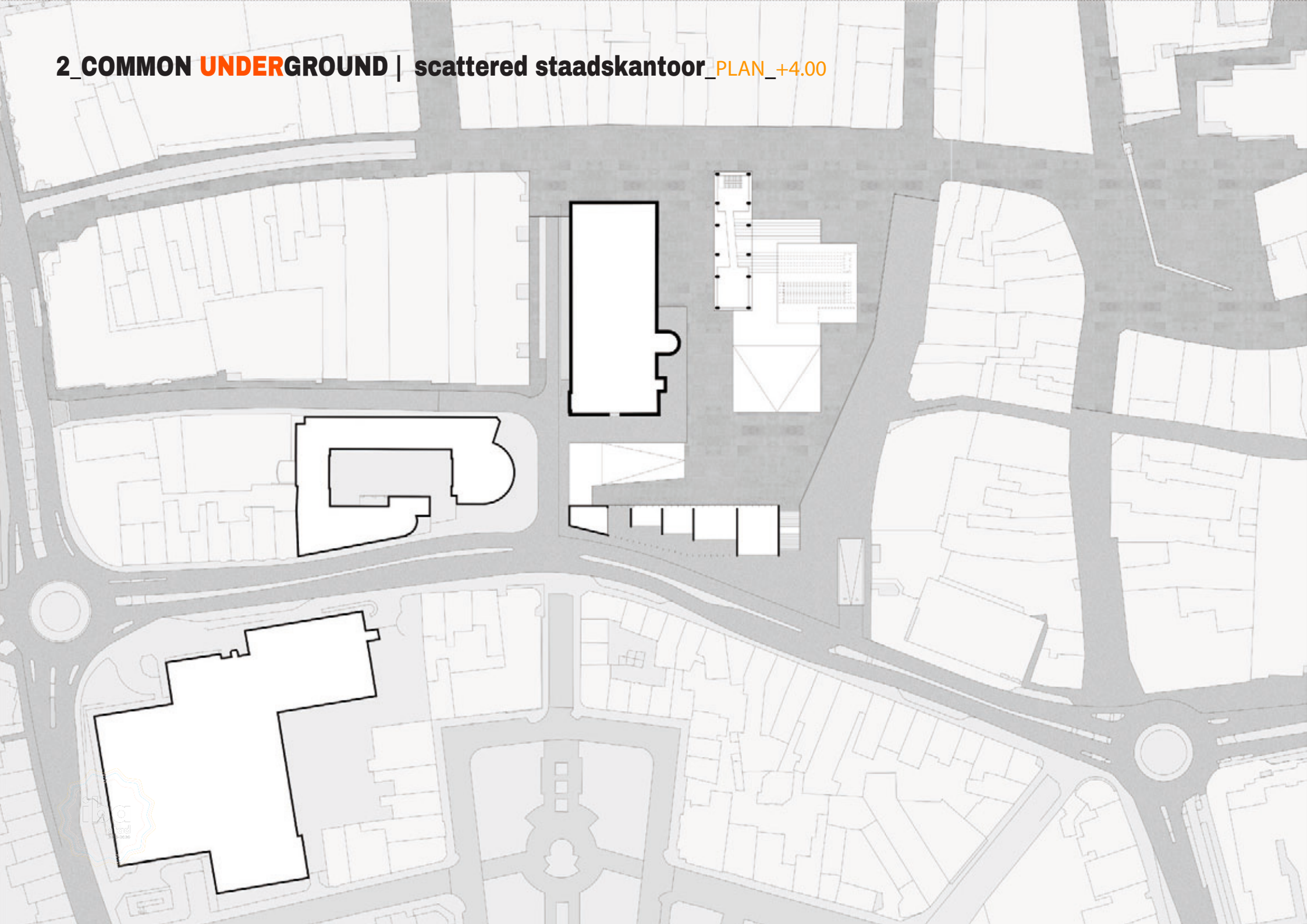
2_COMMON UNDERGROUND | scattered staadskantoor_SECTIONS



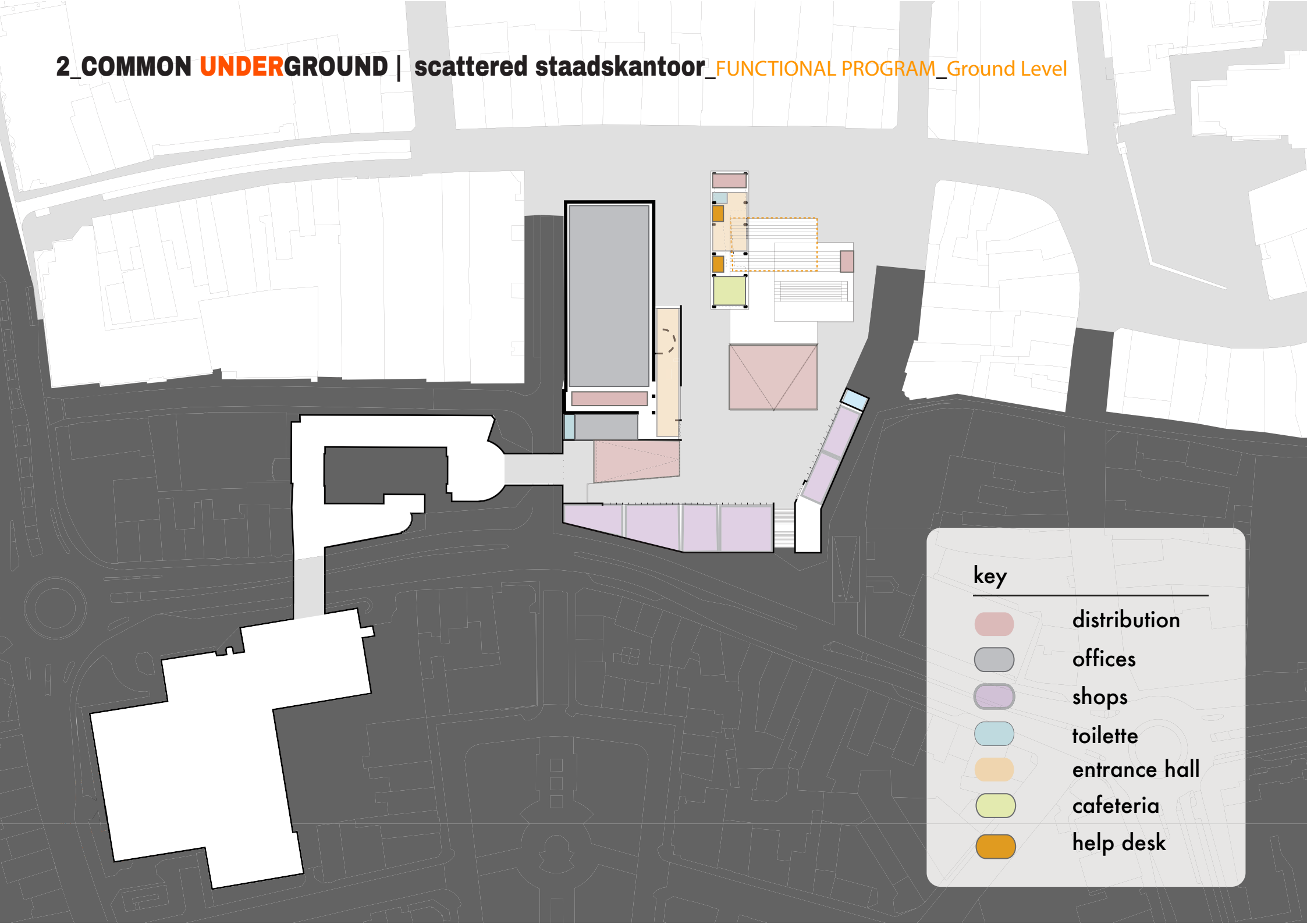
2_COMMON UNDERGROUND | scattered staadskantoor_PLAN_+0.00



2_COMMON UNDERGROUND | scattered stadskantoor_PLAN_+4.00

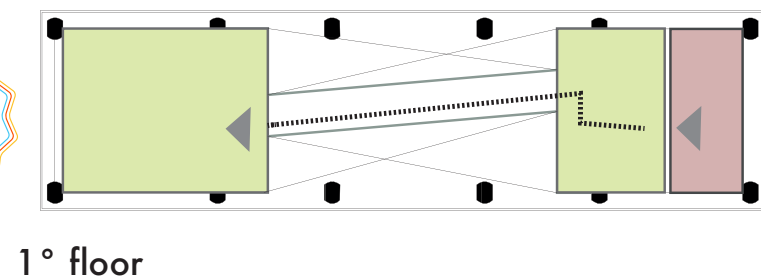
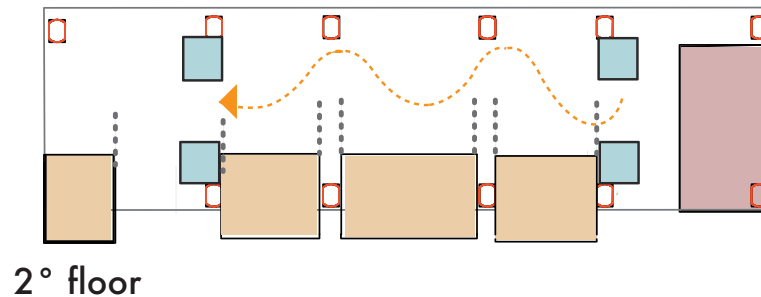
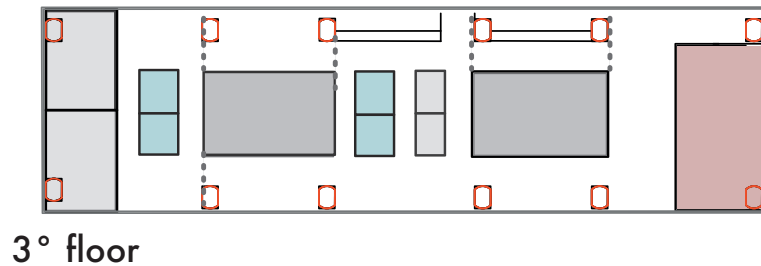
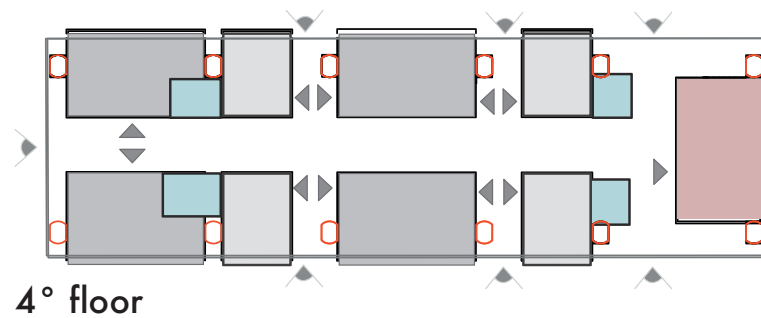


2_COMMON UNDERGROUND | scattered stadskantoor_FUNCTIONAL PROGRAM_Ground Level



2_COMMON UNDERGROUND | scattered stadskantoor_FUNCTIONAL PROGRAM_Upper Levels

diagrams



key

- staircase
- office
- meeting room
- toilette
- jolly rom
- exhibit hall

symbols key

- sliding doors
- entrances
- point of view on the city
- existing
- open spaces

Bulding Levels

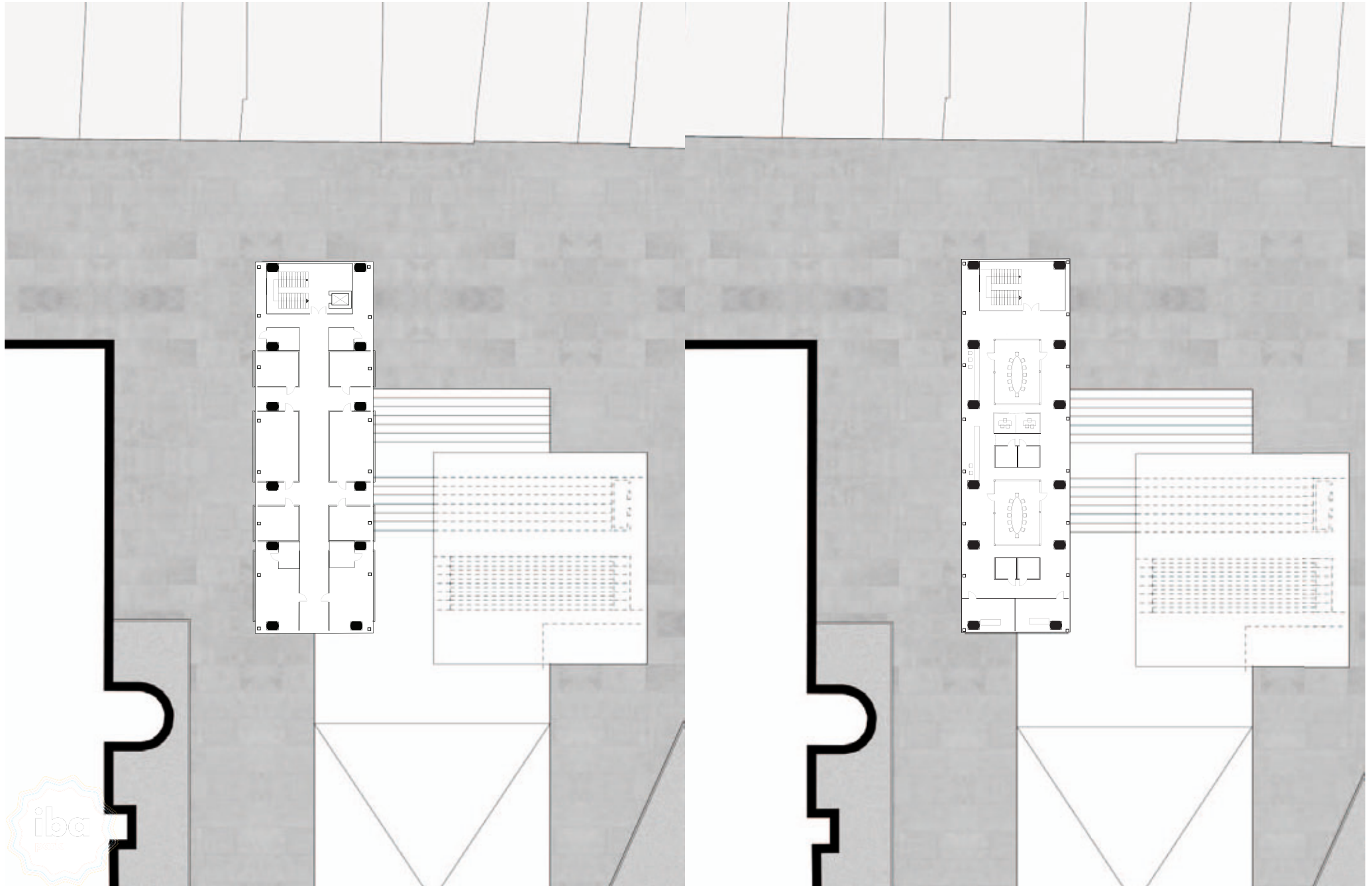
-2	council hall
0	- "urban living room" help desks - Cafeteria
1°	Open spaces to exhibit
	Open and flexible spaces: - virtual spaces - "time banking"
2°	
3°	fab lab - coworking
4°	business incubators
5°	business incubators
6°	business incubators
7°	panoramic view



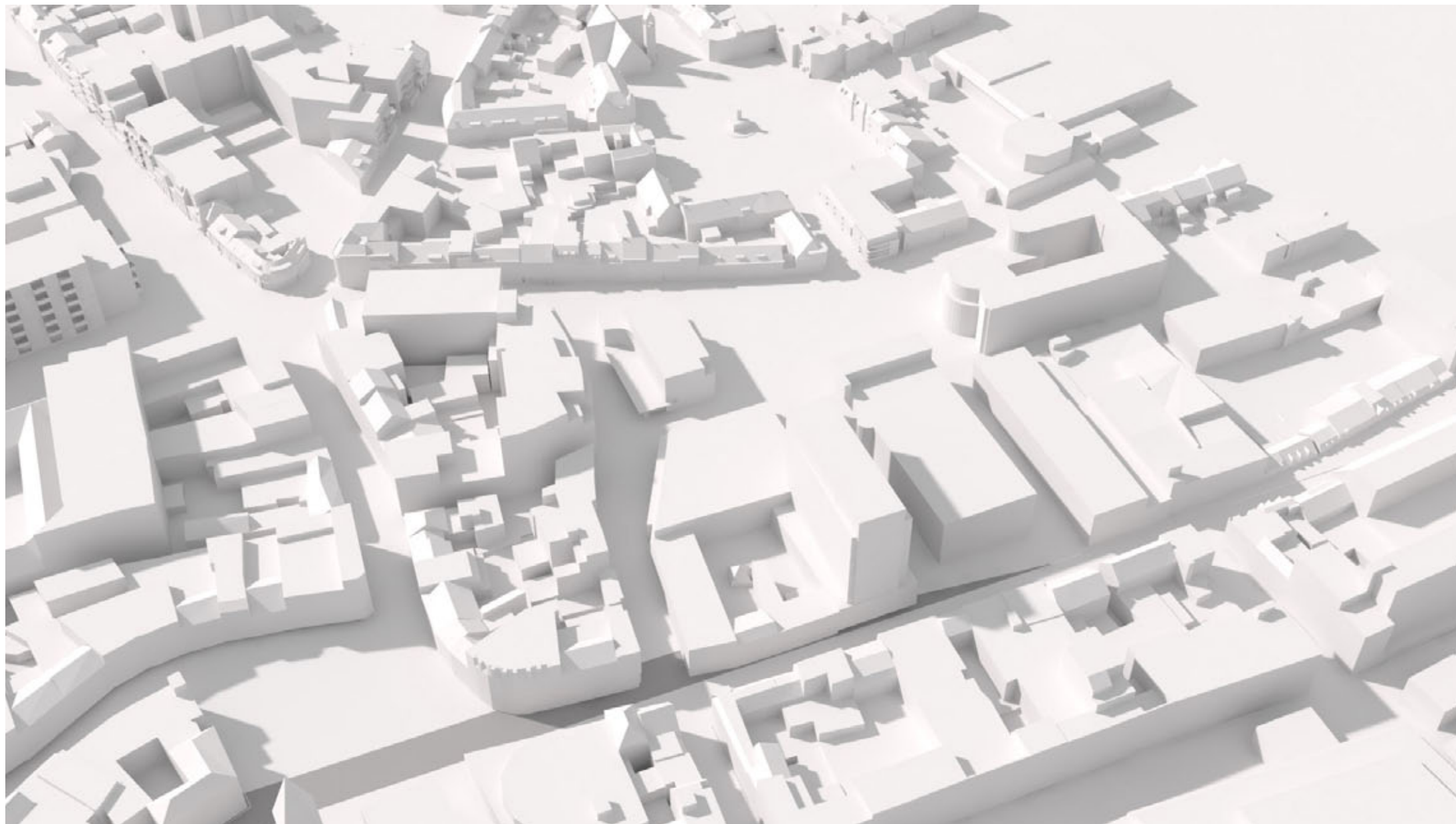
THE PLAN

show flexible spaces,
"cube rooms" that can be
transformed and enlarged.
The jolly rooms are
recognizable from the facade.

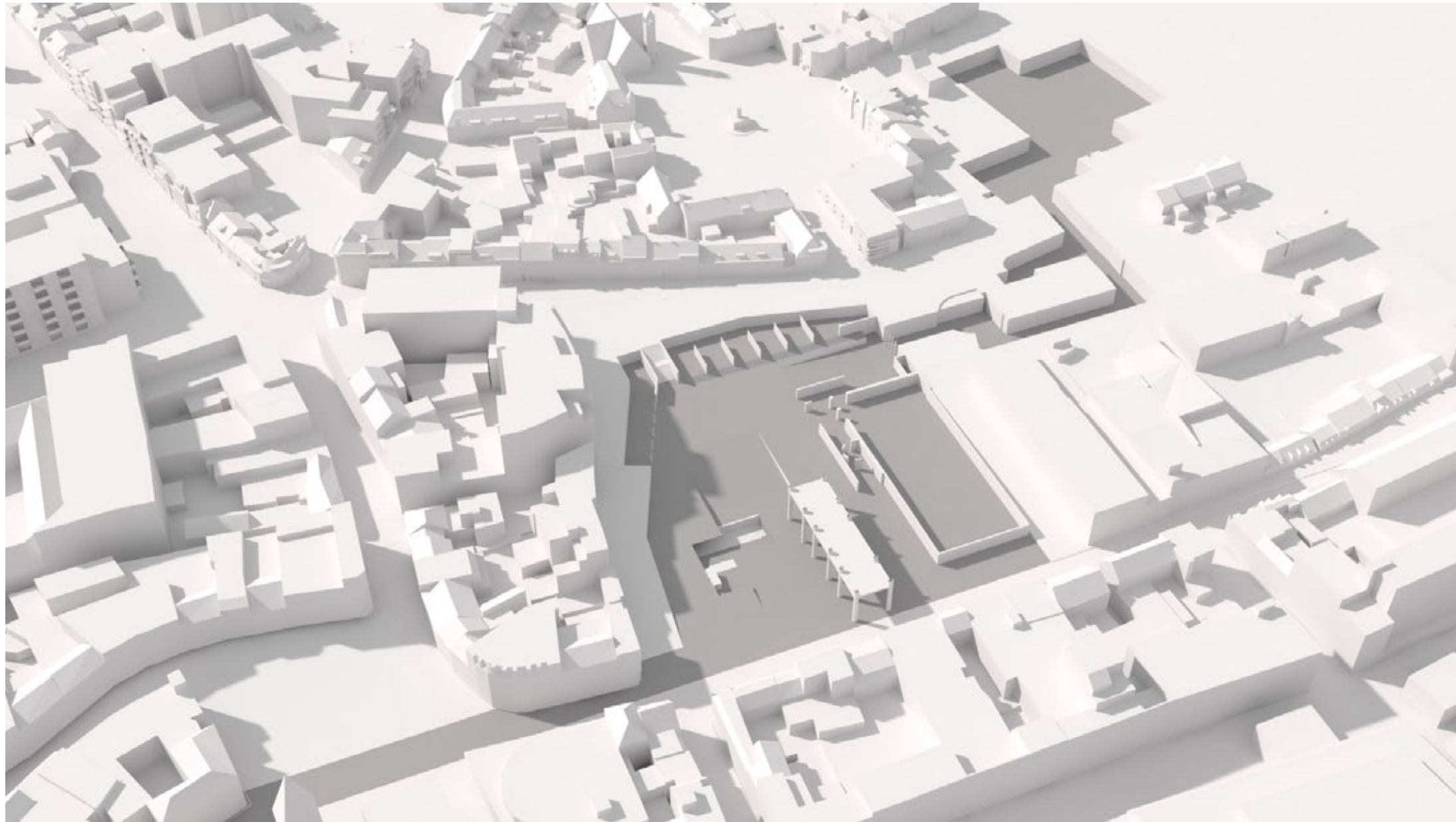
2_COMMON UNDERGROUND | scattered staadskantoor_PLAN_ "Barre" Floor Plan



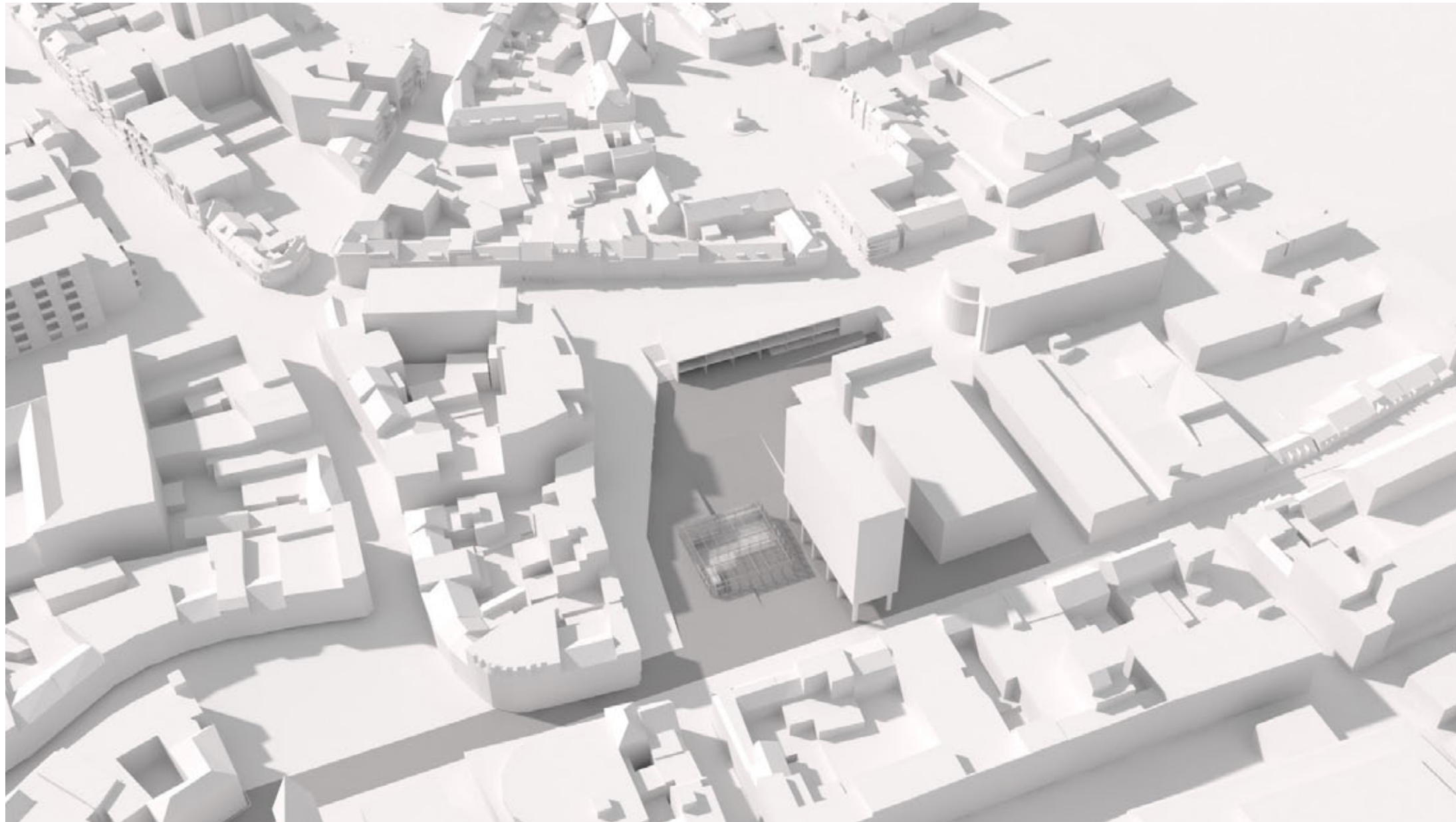
2_COMMON UNDERGROUND | scattered staadskantoor



2_COMMON UNDERGROUND | scattered staadskantoor



2_COMMON UNDERGROUND | scattered staadskantoor



2_COMMON UNDERGROUND | scattered staadskantoor

