

# POCKETS OF EXCHANGE

P5 graduation presentation - Tara Meuleman



- 01. INTRODUCTION**
- 02. RESEARCH**
- 03. DESIGN BRIEF**
- 04. CONCEPT**
- 04. IMPLEMENTATION**
- 05. CONCLUSION**

# INTRODUCTION

01

# LIBRARY



Active Participation

# LIBRARY TYPOLOGY



**Library of Alexandria**  
300 BC  
Egypt



**Bibliotheca Marciana**  
1468  
Venice



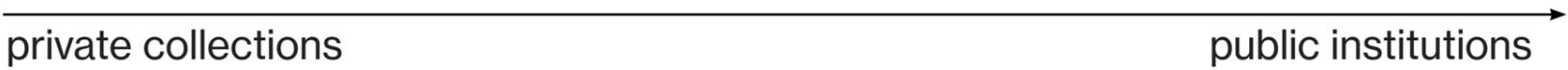
**Bibliotheca Ambrosiana**  
1609  
Milan



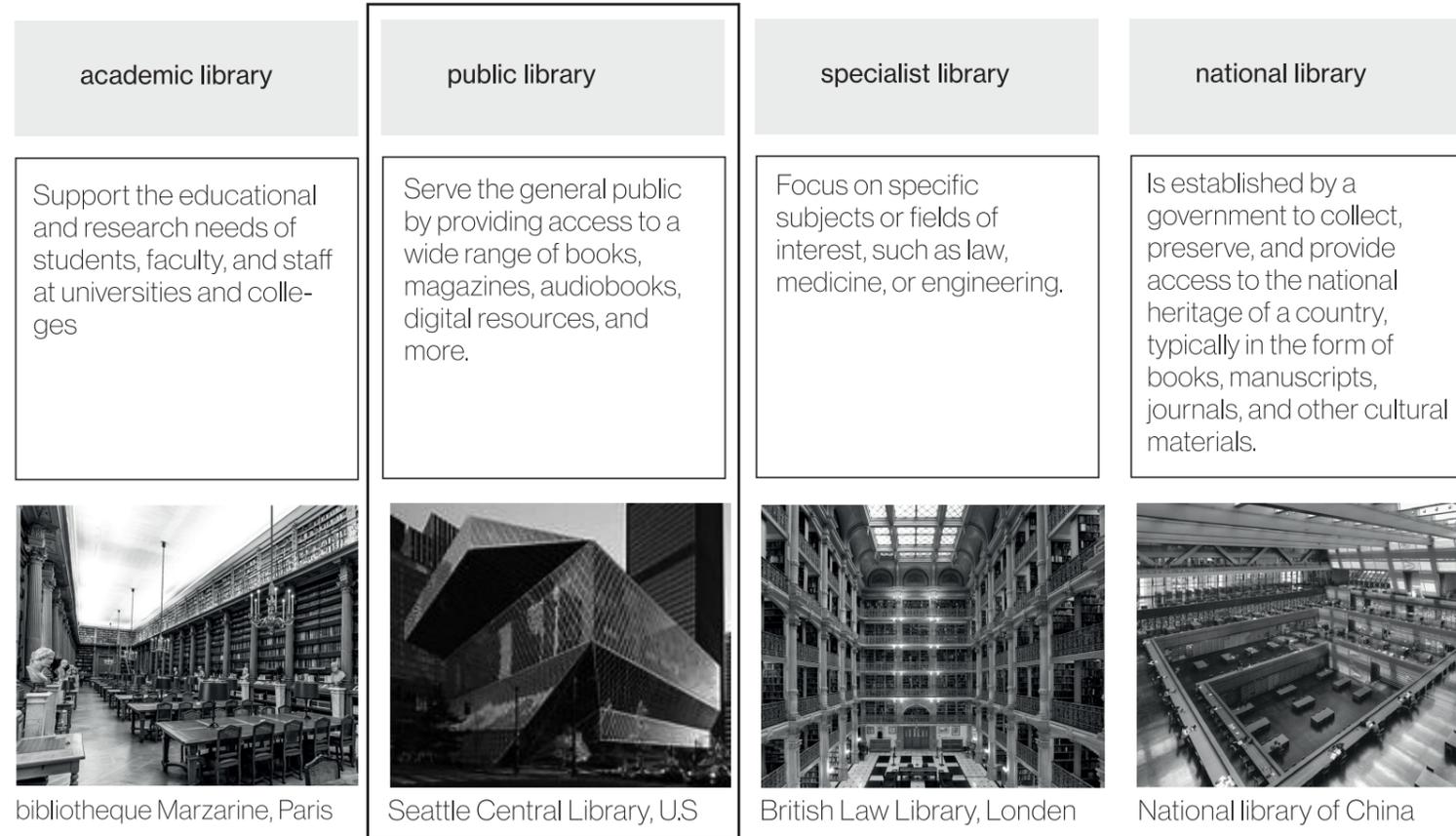
**Black diamond library**  
1999  
Kopenhagen



**Porta Volta library**  
2016  
Milano



# LIBRARY TYPOLOGY



# CIVIC VALUE

## identity of community

**Viarity**  
city's identity

**CIVIC**

community of like minded

within the building

space of meeting

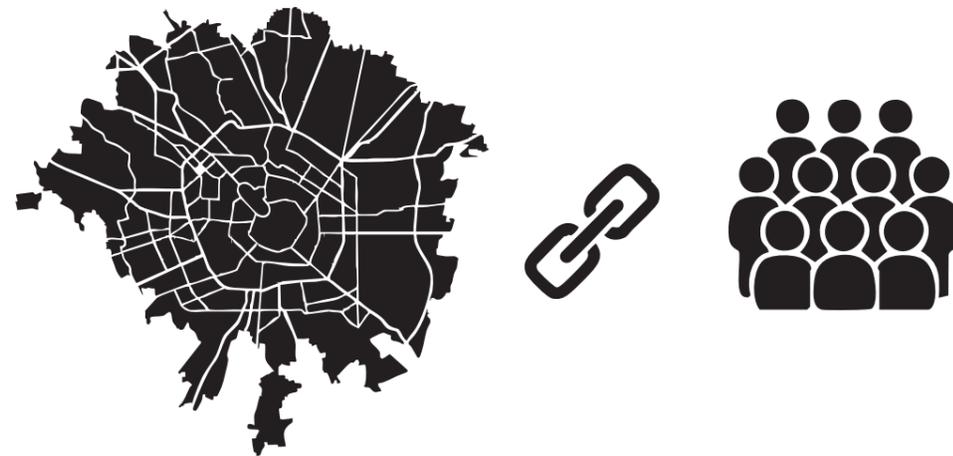
Interaction

Civic monumentality

Collective activities  
making place into space

"Civic spaces reflect on the image of collective membership and is in the end more enduring than a single person's view."  
-Peter C. Rowe

# *Meeting space connecting community of milan.*



## Are libraries finished? Five arguments for and against

🕒 4 February 2011 · 💬 4 Comments

[Blog](#) / [GENERAL](#) / [Do We Still Need Libraries?](#)

### Do We Still Need Libraries?

 William Grainger · Jun 5, 2024 · 3 min read

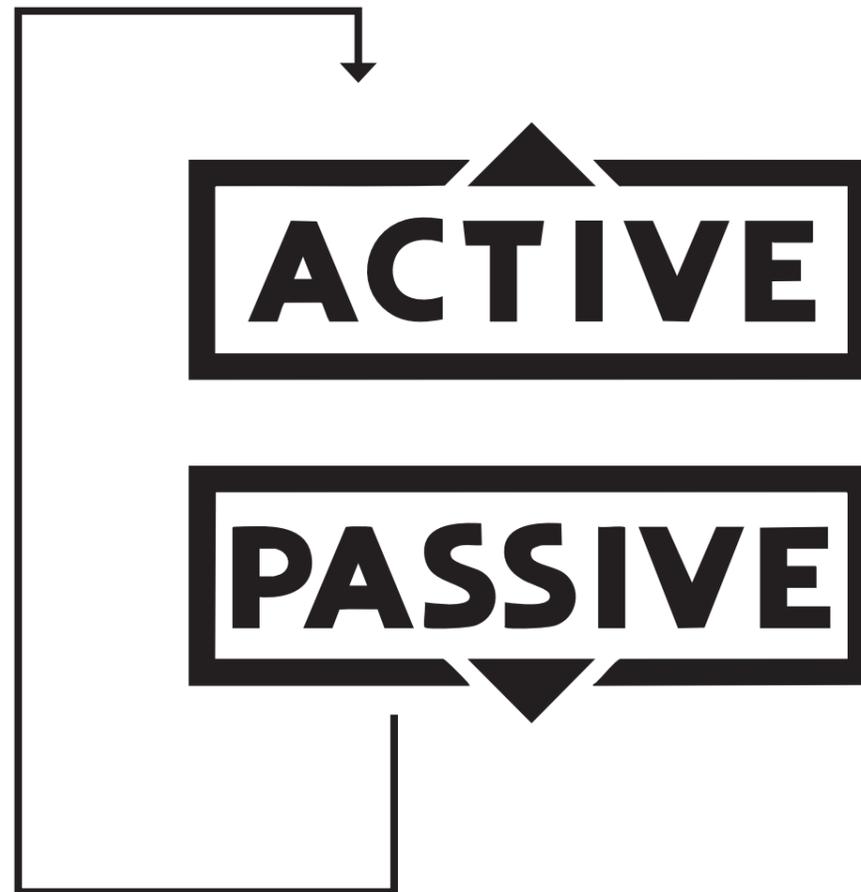
### The Future of Libraries: Will They Disappear or Evolve?

## Why do we still need public libraries in the digital age?

By Tomas Doherty

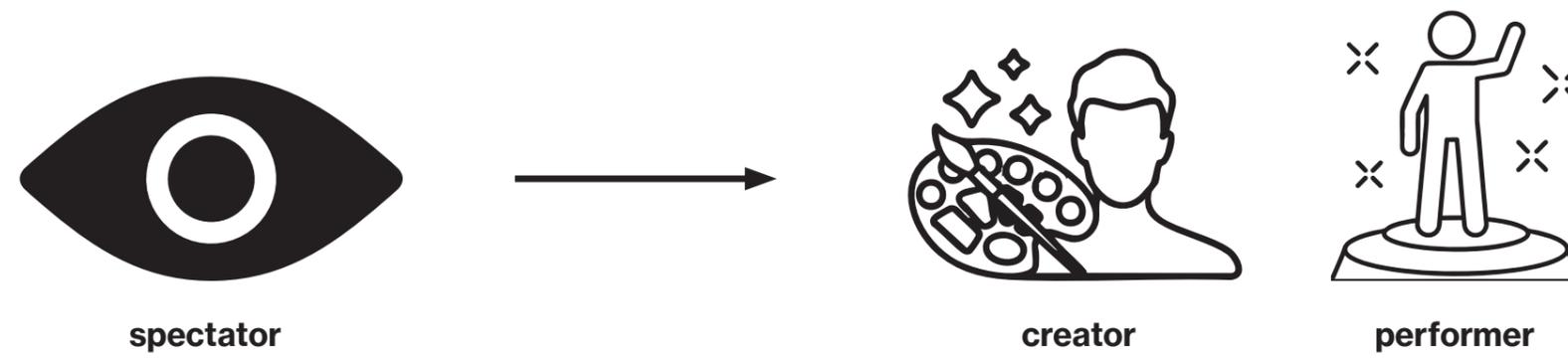
19 September 2014 - 16:44

# SHIFT



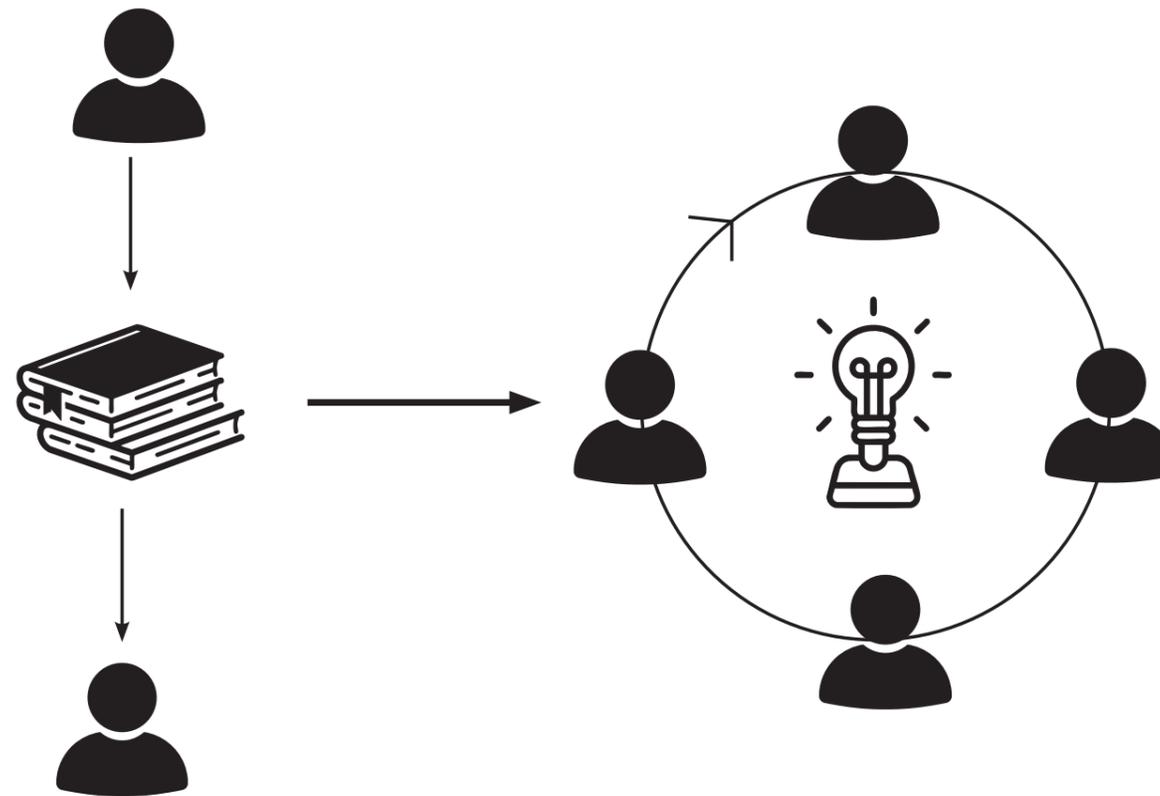
passive storage of knowledge to active  
centers of community engagement.

# SHIFT



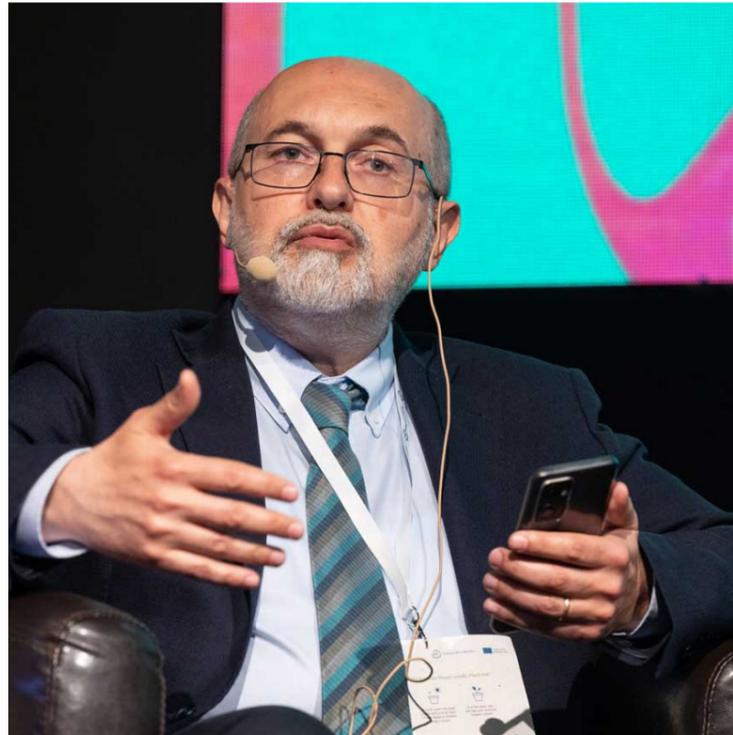
The role of the user shifts to active participant, from spectator to creator and performer.

# SHIFT



One-sided exchange from author to reader changes into a constant flow of exchange between diverse people of the community.

# ACTIVE PARTICIPATION



## Culture 3.0 and the importance of active participation

*“By active cultural participation, we mean a situation in which individuals do not limit themselves to absorb passively the cultural stimuli, but are motivated to put their skills at work: Thus, not simply hearing music, but playing; not simply reading texts, but writing, and so on. By doing so, individuals challenge themselves to expand their capacity of expression, to re-negotiate their expectations and beliefs, to reshape their own social identity (P. L. Sacco, 2014-2020)”.*

<https://eit-culture-creativity.eu/at-least-one-foot-on-the-ground/>

# RESEARCH QUESTION

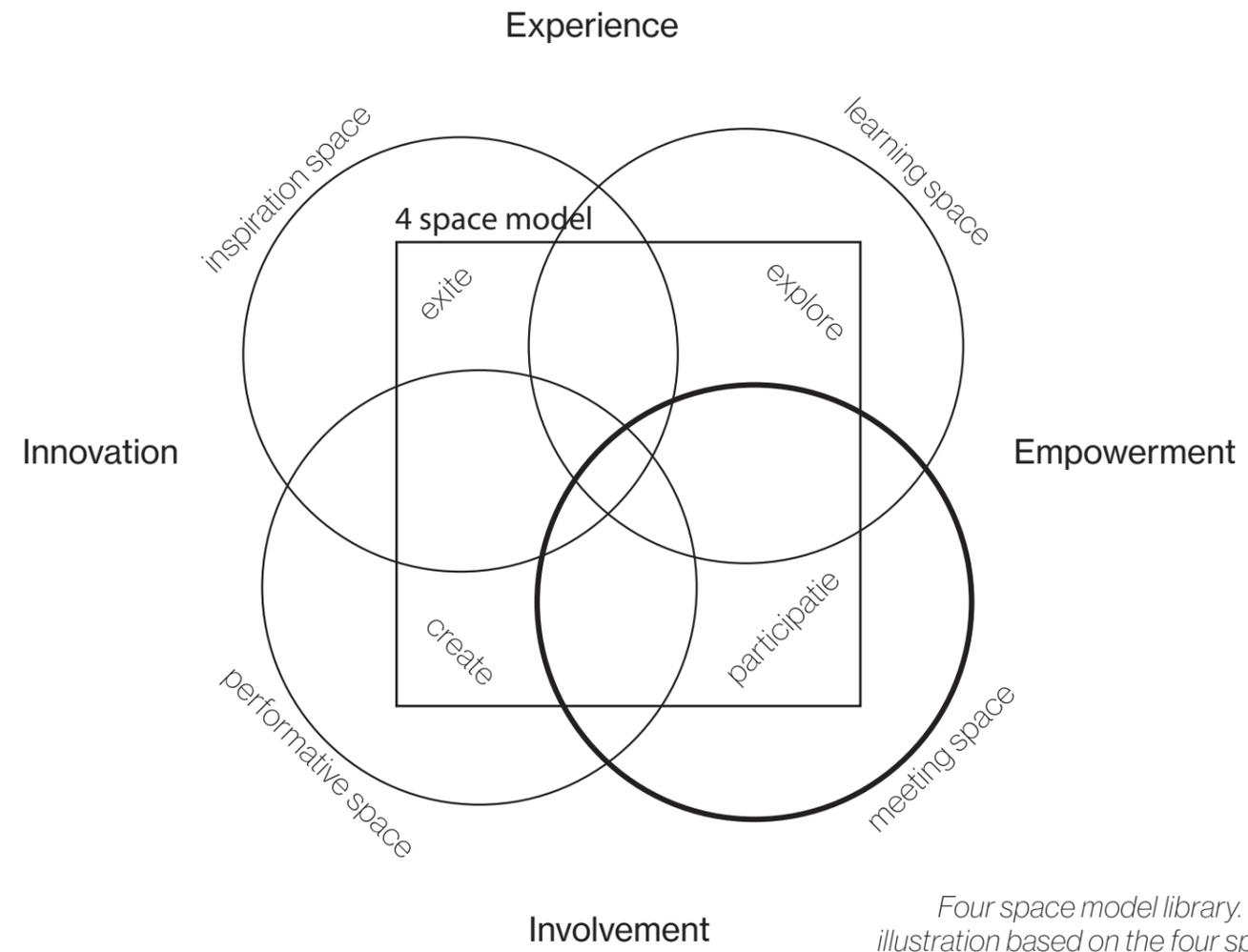
## ***How can a library foster active participation?***

This research aims to explore how libraries can be reimagined as spaces of active participation that involve community members in meaningful dialogue, civic engagement, and collaboration to boost a cultural uplift for the citizens of Milan.

RESEARCH

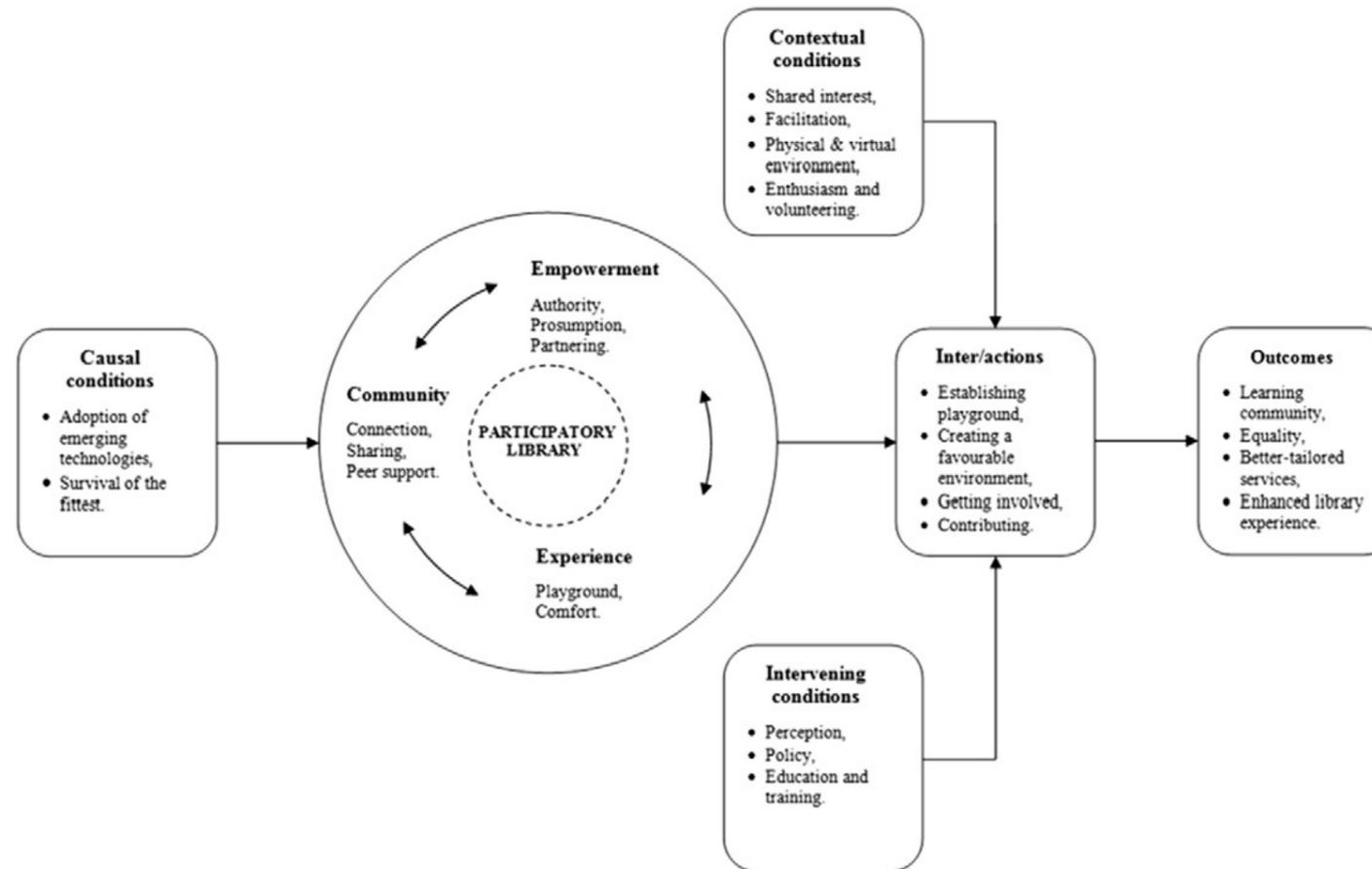
02

# 4 SPACE MODEL



*Four space model library. own illustration based on the four space model of Jochumsen, H., Skot-Hansen, D., & Rasmussen, C. H.*

# PARTICIPATION MODEL



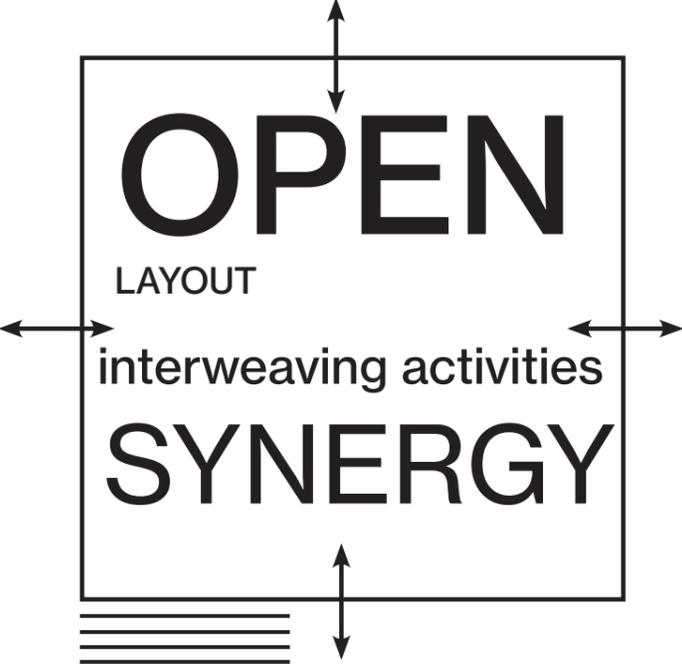
Model participatory library: L.C. Nguyen / The Journal of Academic Librarianship 41 (2015) 475-487

# LIBRARY OF ACTIVE PARTICIPATION

| Elements               | Important themes                                                               | Achitectural translation                                            |
|------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Community</b>       | collective intelligence, sharing, exchange, connection, diversity              | designed meeting spaces (cafe, restaurant, informal reading spaces) |
| <b>Empowerment</b>     | <b>own interpretation, self service, shared responsibility, collaboration.</b> | <b>(flexible) spaces for activities, multifunctional spaces</b>     |
| <b>Experience</b>      | informal, accessibility, comfortable, facilitated playground                   | entrance, circulation space                                         |
| <b>(semi) private</b>  |                                                                                |                                                                     |
| Historic documentation | connection to the historic site                                                | archive                                                             |
| Administration         | functionality                                                                  | offices, information desk, technical installations                  |

figure x, Relation important spaces in library, own scheme

# COMMUNITY BY COLLABORATION



Key requirement:  
transparent covered urban space



**dokk1**  
2015  
Aarhus, Denmark  
35600 m2

# EMPOWERMENT BY INITIATIVE



**Helsinki central library Oodi**  
2018  
Helsinki, Finland  
17.000 m<sup>2</sup>



**Key requirement:**  
multi purpose building, open to all. 'a place of freedom and equity.'

# EXPERIENCE BY EXPOSURE



***When exposed to different activities  
interest is created what leads to active  
participation***

# DESIGN BRIEF

03

# DESIGN ASSIGNMENT



327 Porta Volta Fondazione Feltrinelli  
Milan, Italy  
Herzog de meuron  
Project 2008-2011  
Realization 2011-2016

# DESIGN BRIEF

WHO

**CLIENT**

WHERE

**SITE**

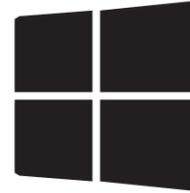
WHAT

**PROGRAM**

# CLIENT



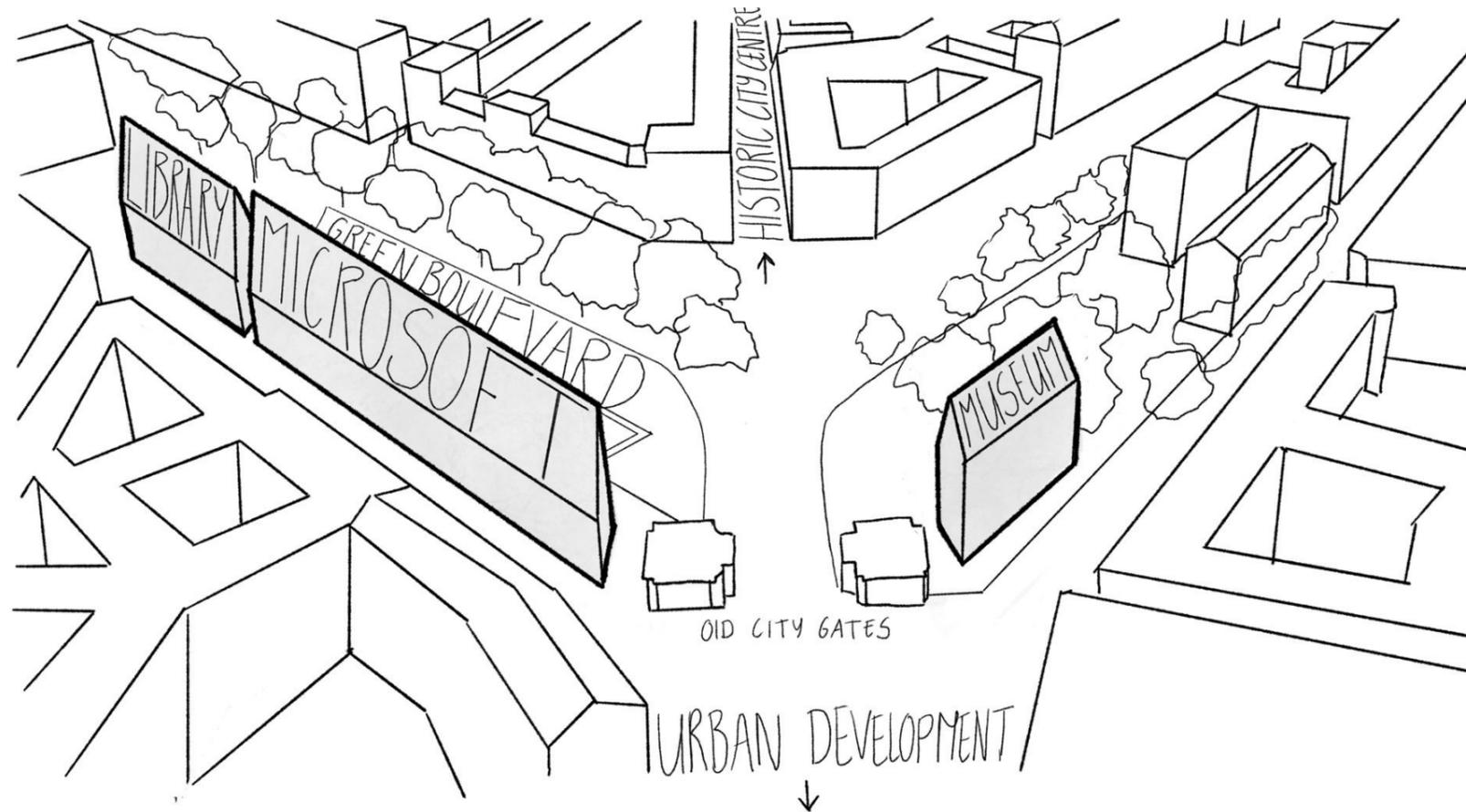
Fertinelli foundation library



Microsoft



Museum



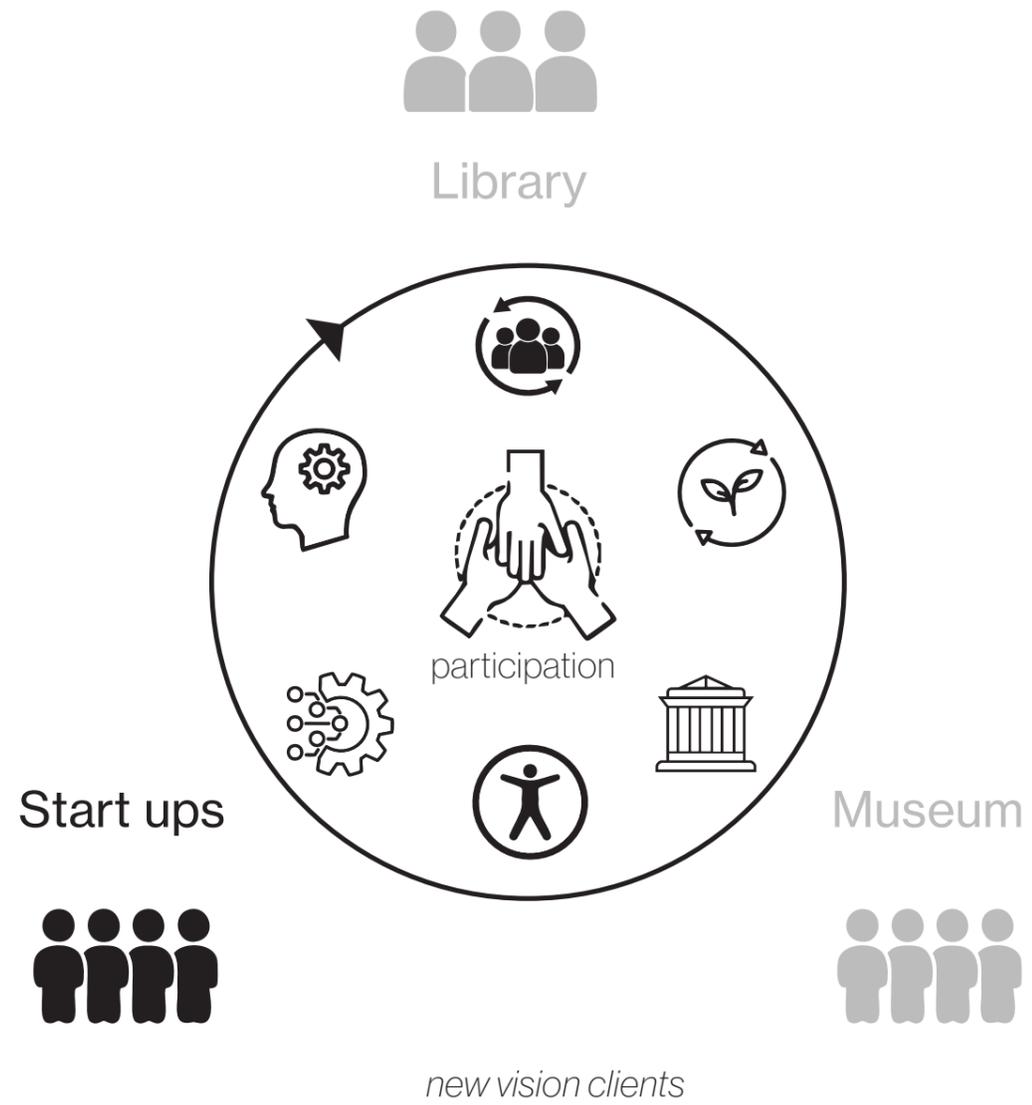
*Current situation division clients in building volumes, own illustration*

# CLIENT AMBITIONS

|                  |                                                                                                            |                                                                                                                                 |                                                                                                            |                                                                                                                    |                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Microsoft</b> | <br>exchange knowledge   | <br>accessible to public<br>in some extend   | <br>innovation          | <br>Democratizing<br>technology |                                                                                                        |
| <b>Museum</b>    | <br>exchange knowledge  | <br>accessible to public<br>in some extend  | <br>historic relevance | <br>connection to milan        |                                                                                                        |
| <b>Library</b>   | <br>exchange knowledge | <br>accessible to public<br>in some extend | <br>interaction       | <br>sustainability            | <br>participation |

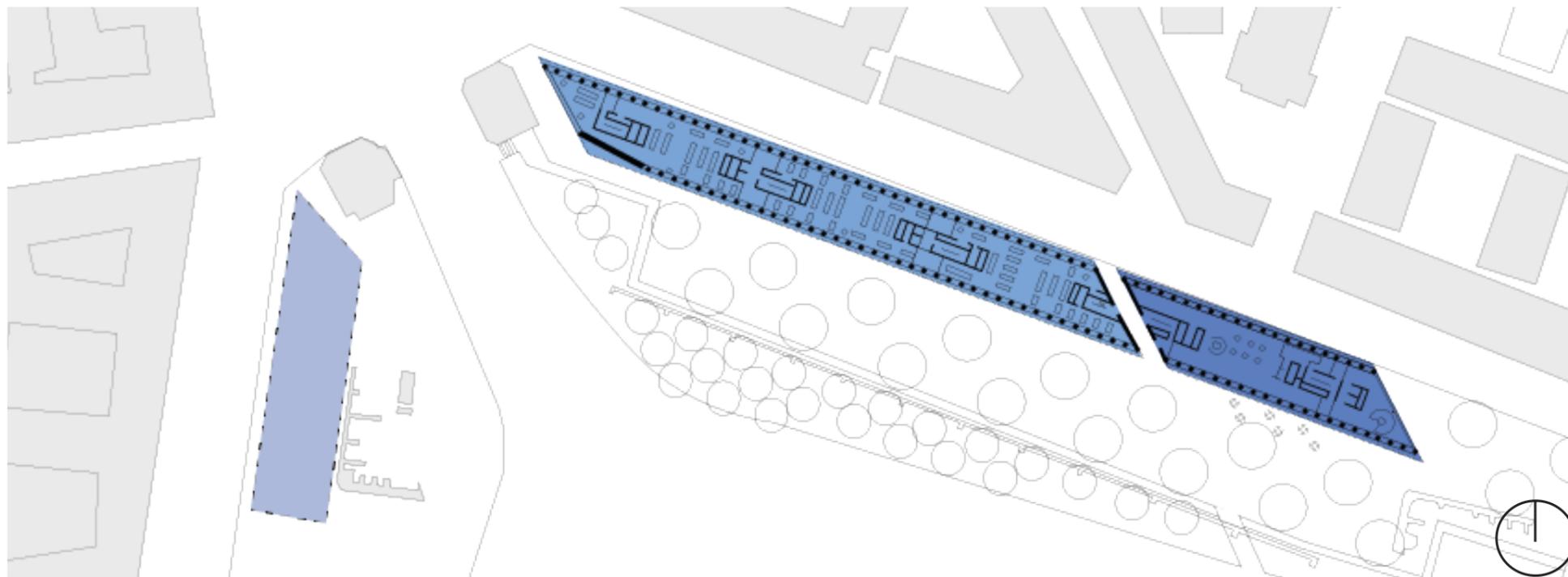
*client ambitions, own illustration*

# NEW CLIENT RELATION

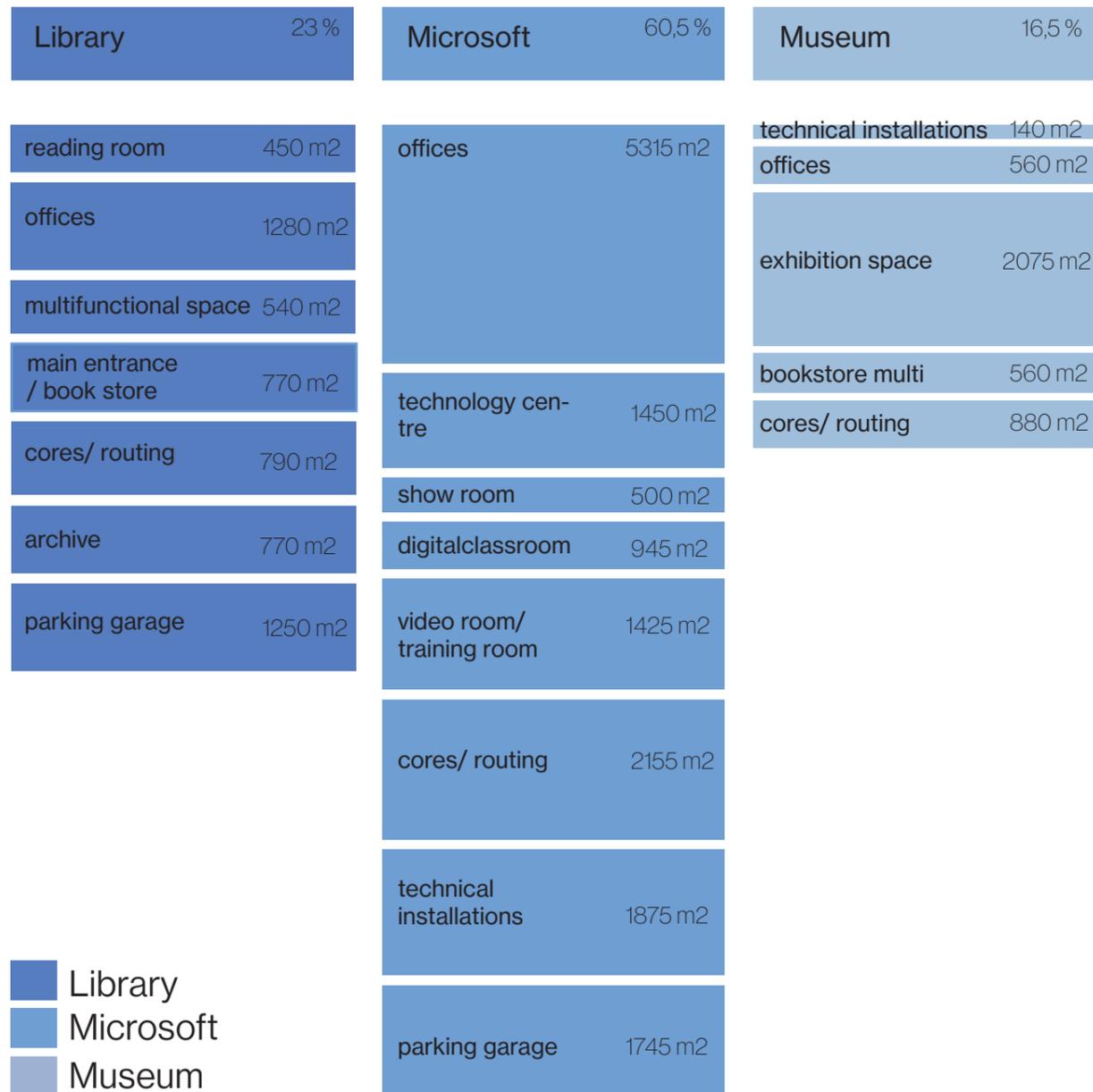
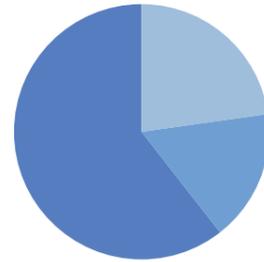


# CURRENT PROGRAM

- Library
- Microsoft
- Museum



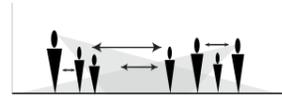
# CURRENT PROGRAM



Library  
 Microsoft  
 Museum

# CURRENT PROGRAM

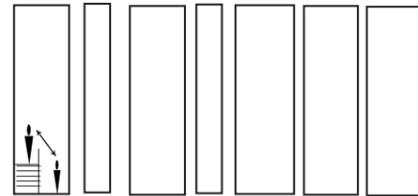
## Library



**multifunctional space**  
540 m2  
create/ participate



**main entrance/ book store**  
770 m2  
inspire/ participate



**cores/ routing**  
790 m2  
meet/ participate



**reading room**  
450 m2  
explore



**offices**  
1280 m2  
explore

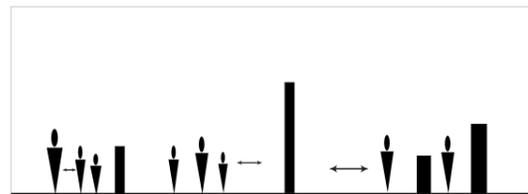


**archive**  
770 m2  
explore/ exite



**parking garage**  
1250 m2

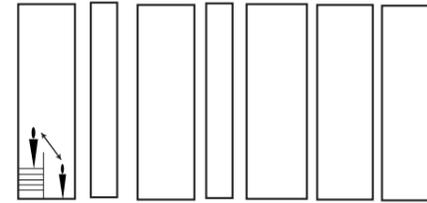
## Museum



**Exhibition space**  
2075 m2  
meet/ participate



**bookstore**  
560 m2  
inspire

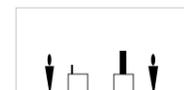


**cores/ routing**  
880 m2  
meet/ participate

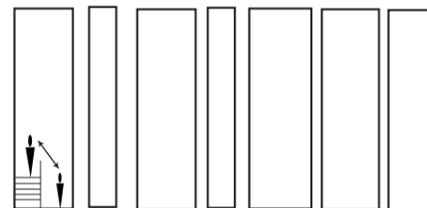


**offices**  
560 m2  
explore

## Microsoft



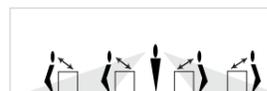
**showroom**  
500 m2  
exite



**cores/ routing**  
2155 m2  
meet



**technology centre**  
1450 m2  
create



**digital classroom**  
945 m2  
explore



**training room**  
1425 m2  
explore

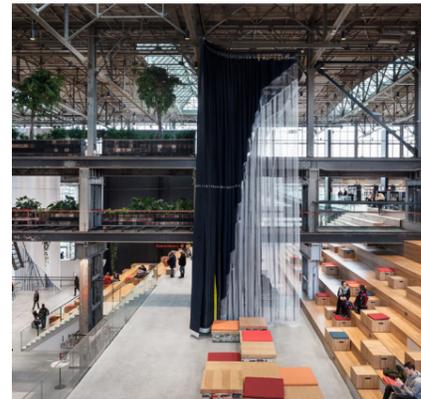


**offices**  
5315 m2  
explore

# CASE STUDIES



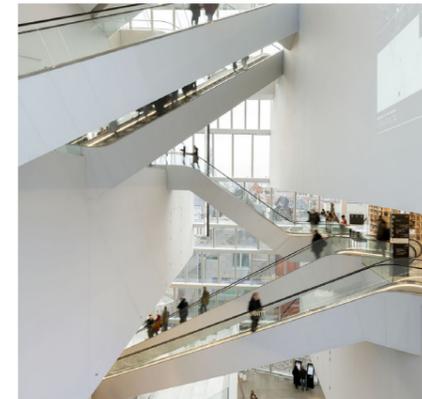
**Rozet - Arnhem**  
2013  
Neutelings Riedijk Architecten  
12.000 m2



**LocHal - Tilburg**  
2015  
CIVIC  
11.200 m2



**Venessla learning centre - Norway**  
2016  
Helen & Hard  
1938 m2.



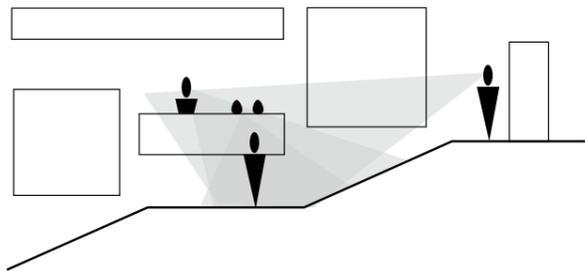
**Forum Groningen**  
2021  
NL Architects  
17.000 m2



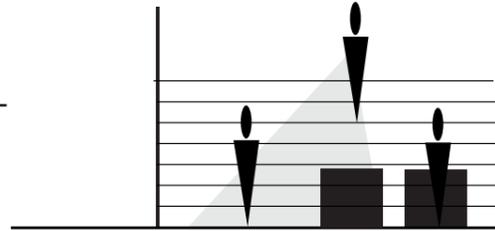
**Winter Park Library & Events Center - US**  
2021  
Adjaye Associates  
25,000 sqft - 100,000 sqft

# CASE STUDIES

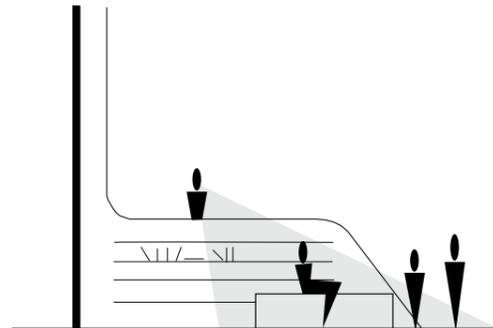
interaction and participation



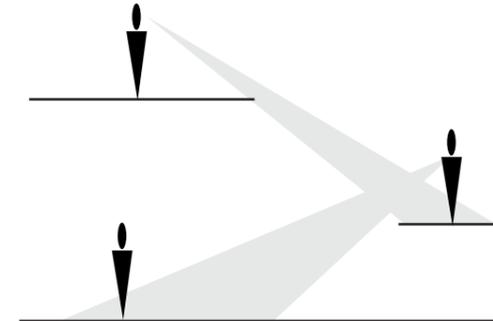
**Rozet**  
1013  
Arnhem



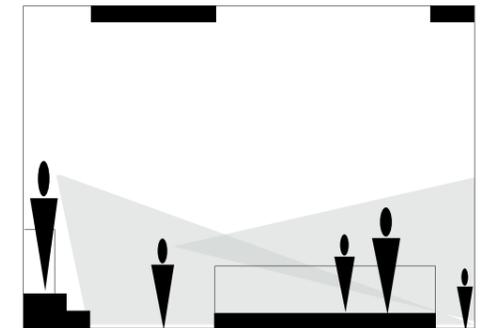
**LochHal**  
2015  
Tilburg, the Netherlands



**Vennesla library &  
cultural centre**  
2011  
Vennesla, Norway

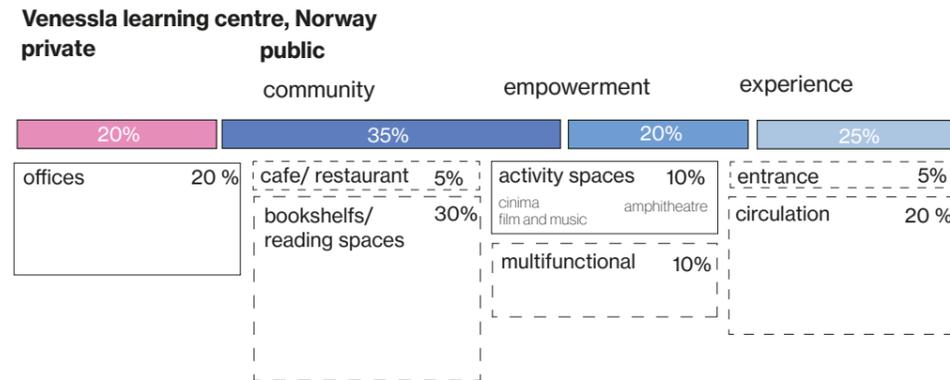
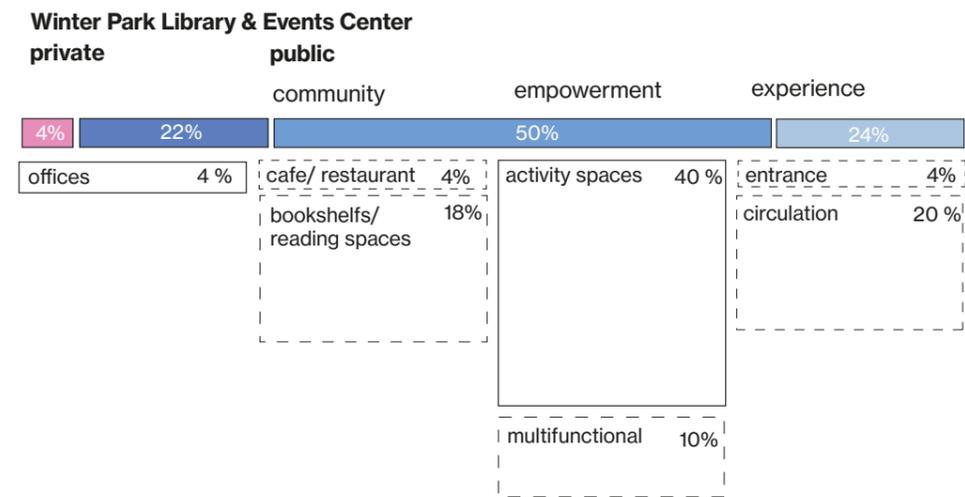
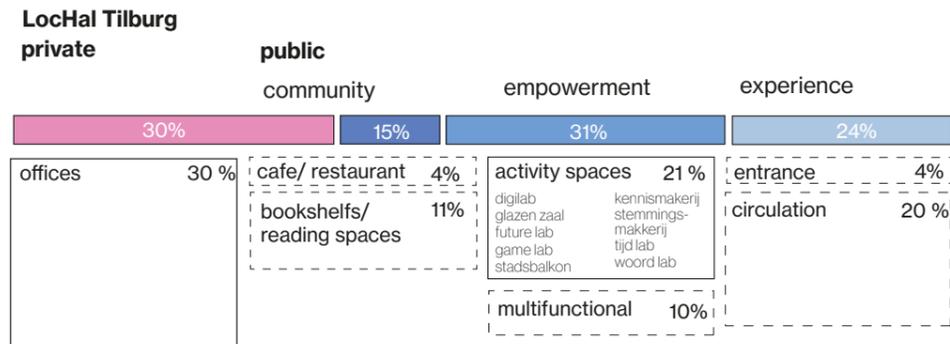
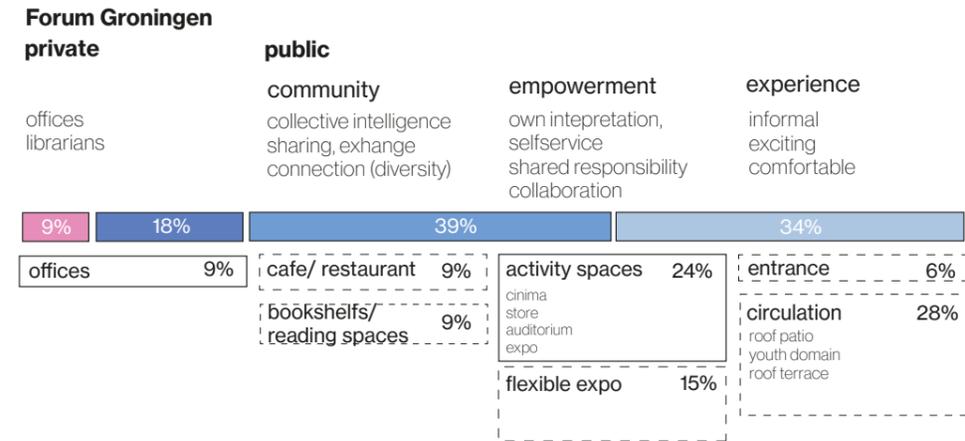
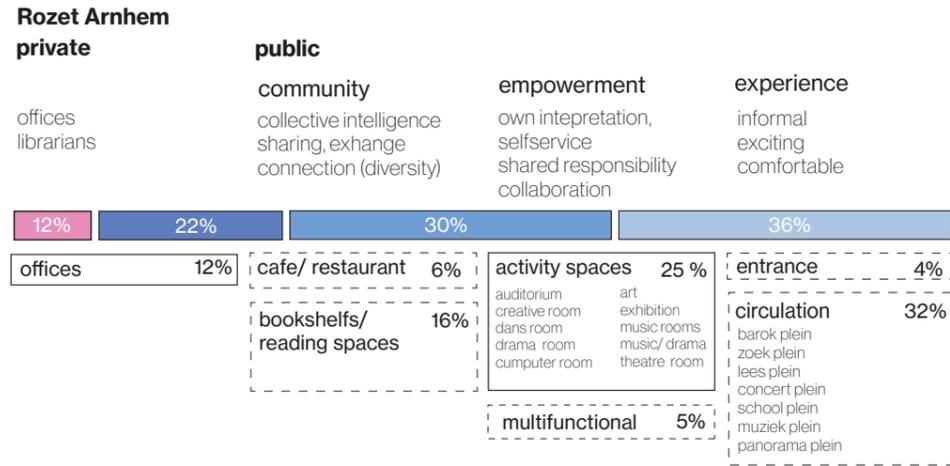


**Forum**  
2011  
Groningen, the Netherlands



**Rolex learning centre**  
2010  
Ecublens, Switzerland

# BENCH MARKING



# CURRENT LIBRARY DESIGN

## Fondazione Fertinelli

### private

offices  
librarians

### public

#### community

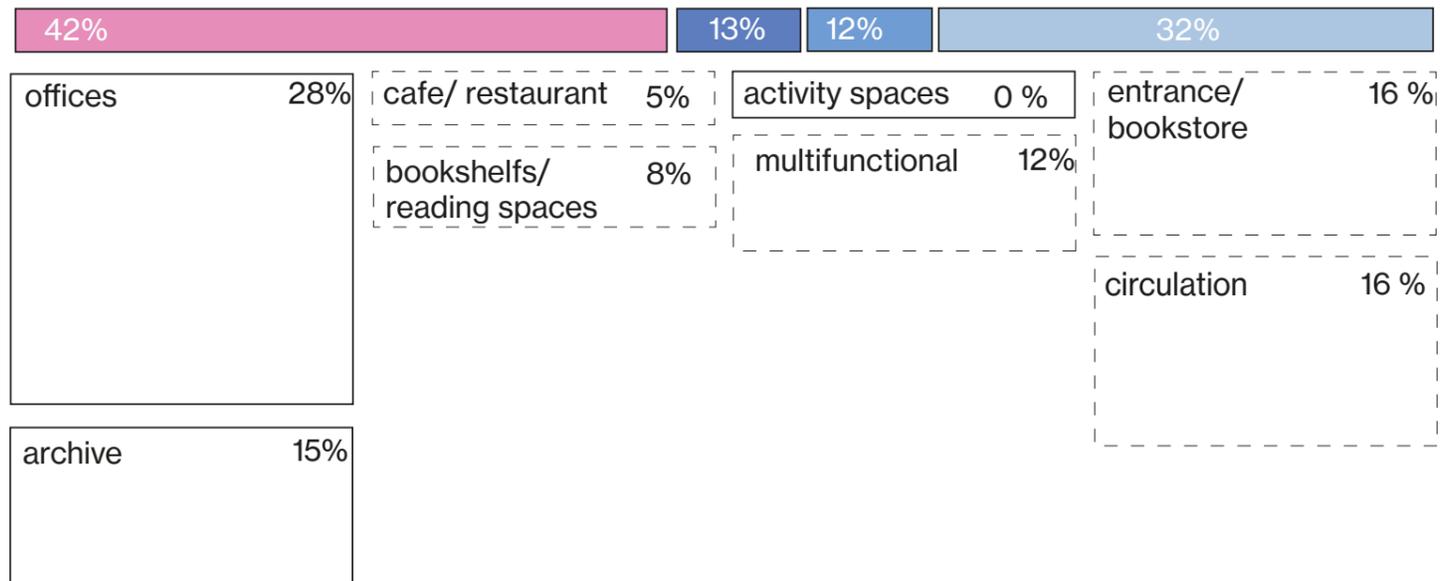
collective intelligence  
sharing, exchange  
connection (diversity)

#### empowerment

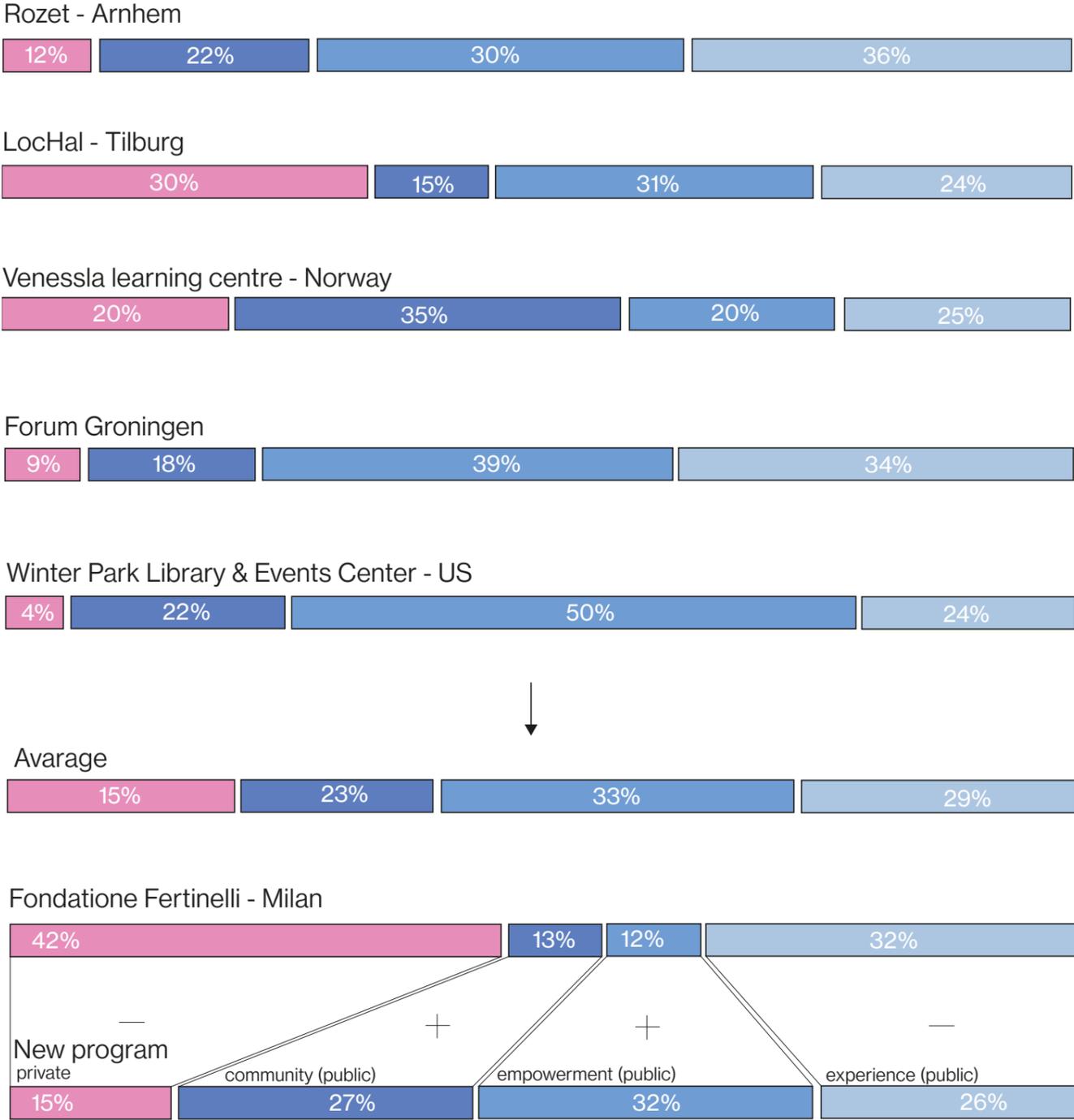
own interpretation,  
selfservice  
shared responsibility  
collaboration

#### experience

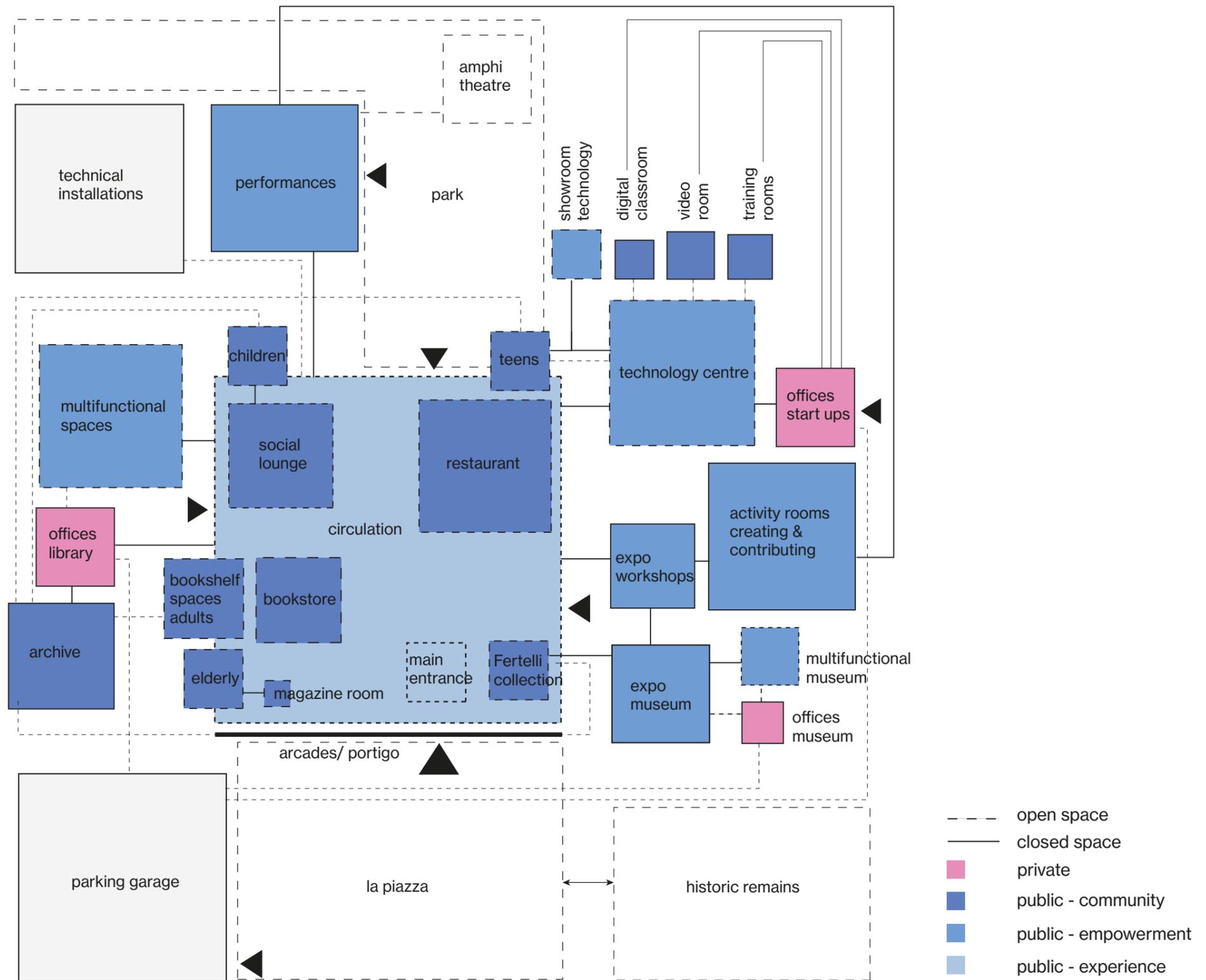
informal  
exciting  
comfortable



# NEW PROGRAM RELATION



# PROPOSED RELATION SCHEME

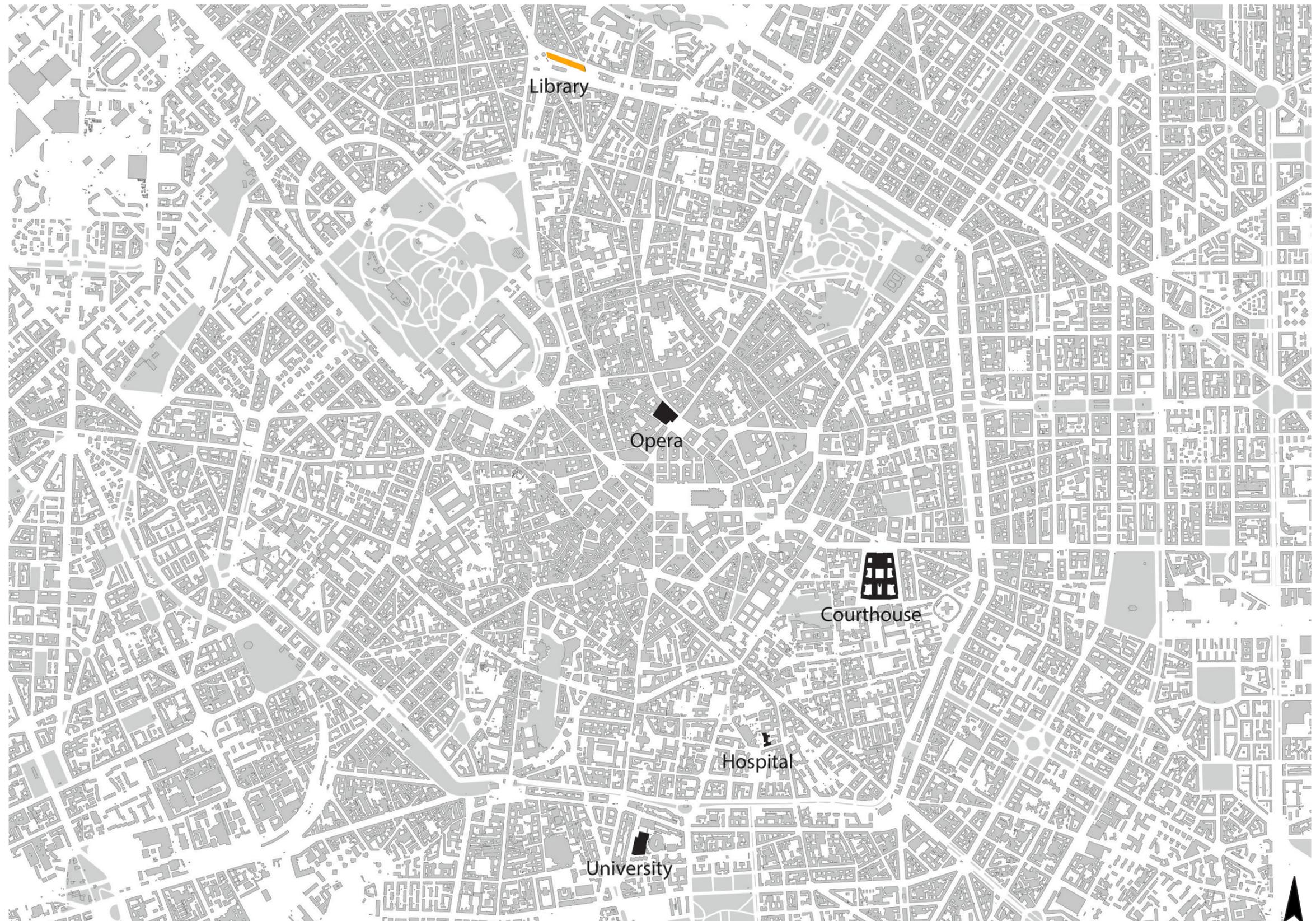


# PROPOSED PROGRAM BREAKDOWN

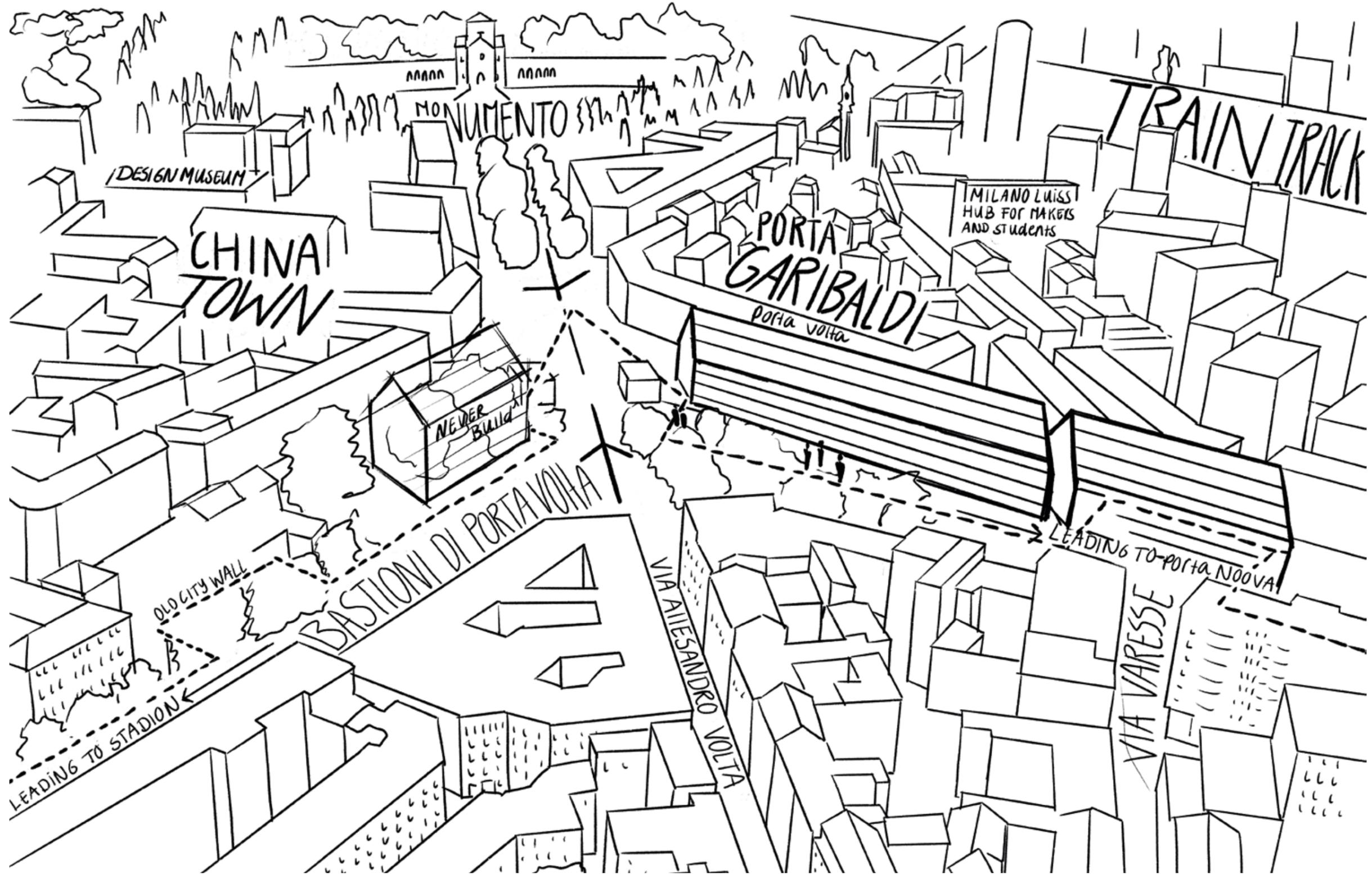
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15% | <p><b>Private spaces (3245 m2)</b></p> <p><b>offices</b> 1350 m2</p> <p>library 575 m2</p> <p>museum 200 m2</p> <p>start ups 575 m2</p>                                                                                                                                                                                                                                                                                                                     | <p>technical installations 1900 m2</p>                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                |
| 27% | <p><b>Community (5840 m2)</b></p> <p><b>Meeting</b> 1220 m2</p> <p>café/ restaurant 1100 m2</p> <p>sitting/ tables 40 m2</p> <p>kitchen 20 m2</p> <p>toilets 20 m2</p> <p>storage 60 m2</p> <p>magazine room</p>                                                                                                                                                                                                                                            | <p><b>Collective intelligence</b> 3250 m2</p> <p>bookshells study spaces</p> <p>seniors 500 m2</p> <p>adults 500 m2</p> <p>teens 500 m2</p> <p>children 500 m2</p> <p>training rooms 300m2</p> <p>video room 450 m2</p> <p>digital classroom 500 m2</p>                                | <p><b>Historic meaning</b> 1370 m2</p> <p>Fertinelli history showroom 200 m2</p> <p>collection</p> <p>bookstore 400 m2</p> <p>archive 770 m2</p>                                                                                                                                                                                               |
| 32% | <p><b>Empowerment (6920m2)</b></p> <p><b>Creating &amp; Contributing</b> 2380 m2</p> <p>technology centre 1450 m2</p> <p>art room 90 m2</p> <p>dans studio's 75 m2</p> <p>theatre rehearsal 50 m2</p> <p>music studio's 90 m2</p> <p>drama room 75 m2</p> <p>workshop rooms</p> <p>art 100 m2</p> <p>music 90 m2</p> <p>technology 80 m2</p> <p>computer rooms 80 m2</p> <p>photography room 50 m2</p> <p>print shop (2d/3d) 50 m2</p> <p>crafts 100 m2</p> | <p><b>Multifunctional</b> 2170 m2</p> <p>(for events organised by locals)</p> <p>co- working spaces 120 m2</p> <p>debate centre 100 m2</p> <p>auditorium 350 m2</p> <p>lecture halls 200 m2</p> <p>multifunctional space library 700 m2</p> <p>multifunctional space museum 500 m2</p> | <p><b>Performace</b> 2385 m2</p> <p>performace hall with seating 250 m2</p> <p>changing rooms 25 m2</p> <p>toilets 20 m2</p> <p>decor workshop 60 m2</p> <p>costume workshop 30 m2</p> <p>show room technology 400 m2</p> <p>exhibition space for workshops 500 m2</p> <p>small exhibition space museum 800 m2</p> <p>amphi theatre 300 m2</p> |
| 26% | <p><b>Experience (5660 m2)</b></p> <p><b>Inviting entrance</b> 200 m2</p> <p>wardrobe 40 m2</p> <p>desk 20 m2</p> <p>social lounge 200 m2</p>                                                                                                                                                                                                                                                                                                               | <p><b>Circulation</b> 4800 m2</p> <p>(possibility for sub devision)</p> <p>-stairs TBD</p> <p>-multifunctional erea TBD</p> <p>-elevators TBD</p> <p>-hallways TBD</p> <p>-corridors TBD</p> <p>-informal reading area's TBD</p>                                                       | <p><b>Bookstore</b> 400 m2</p>                                                                                                                                                                                                                                                                                                                 |
|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                        | <p><b>external spaces</b></p> <p>parking garage 200 spots</p> <p>piazza TBD</p> <p>park TBD</p> <p>arcade TBD</p>                                                                                                                                                                                                                              |

# SITE

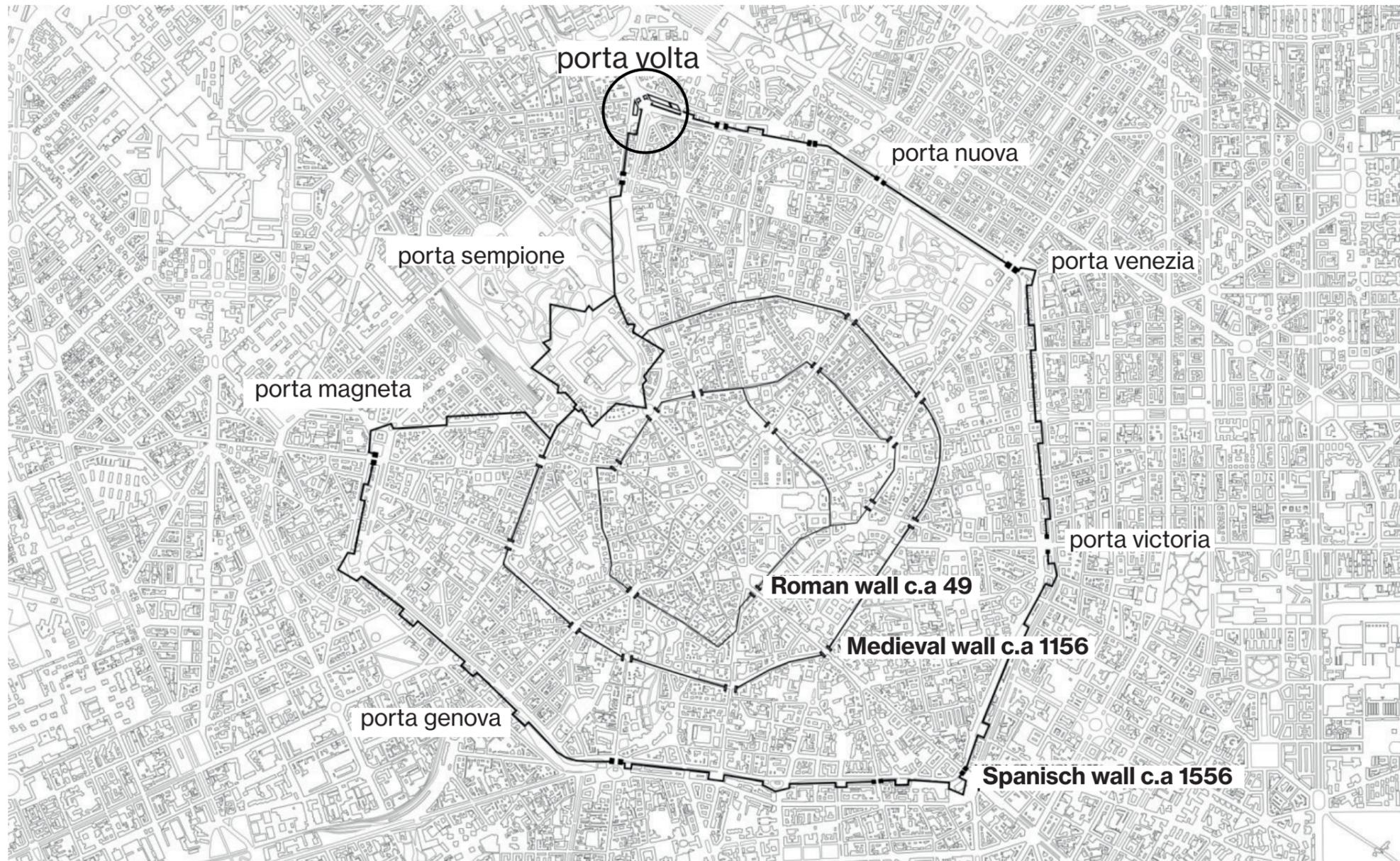
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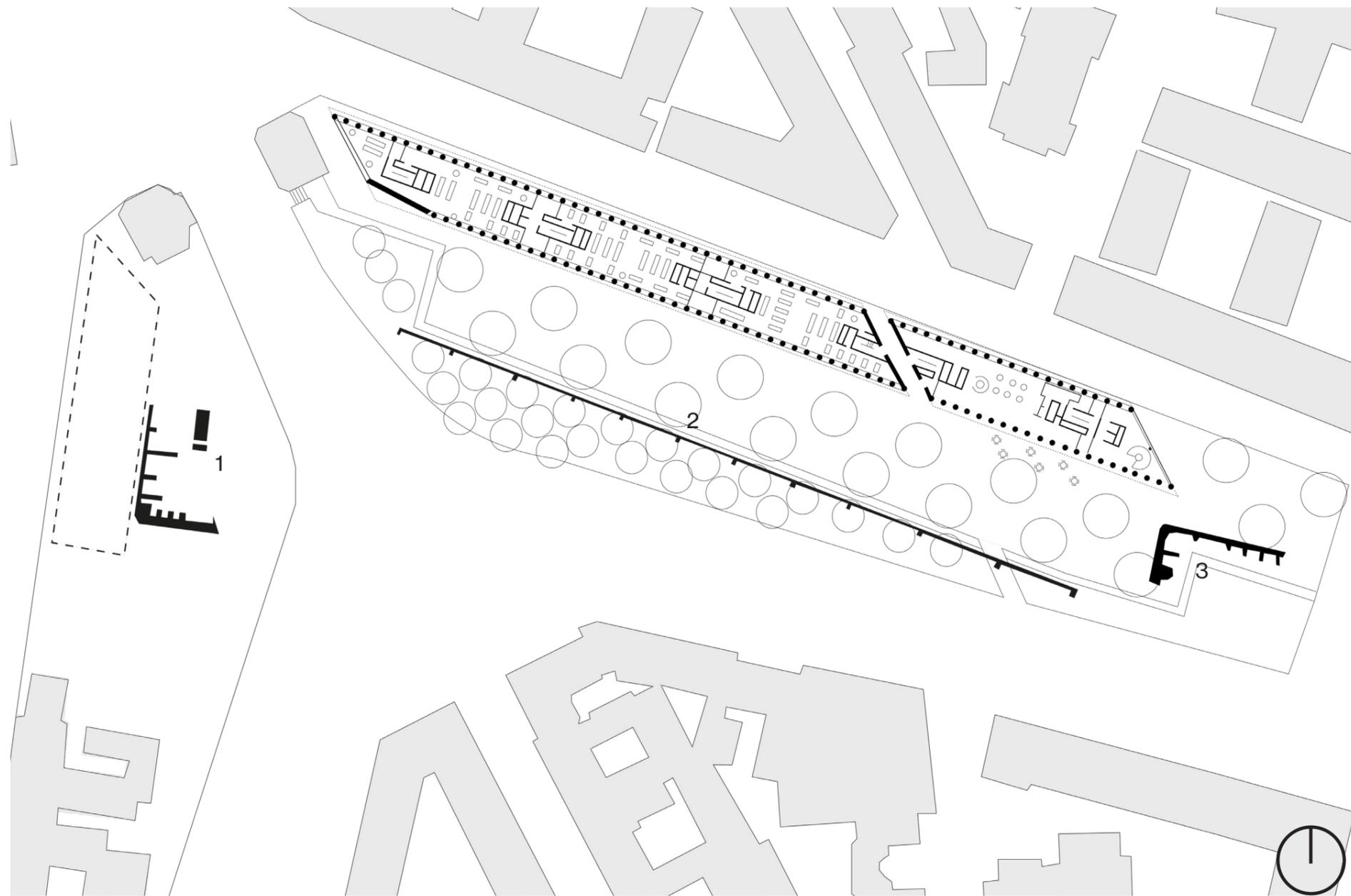
# SITE



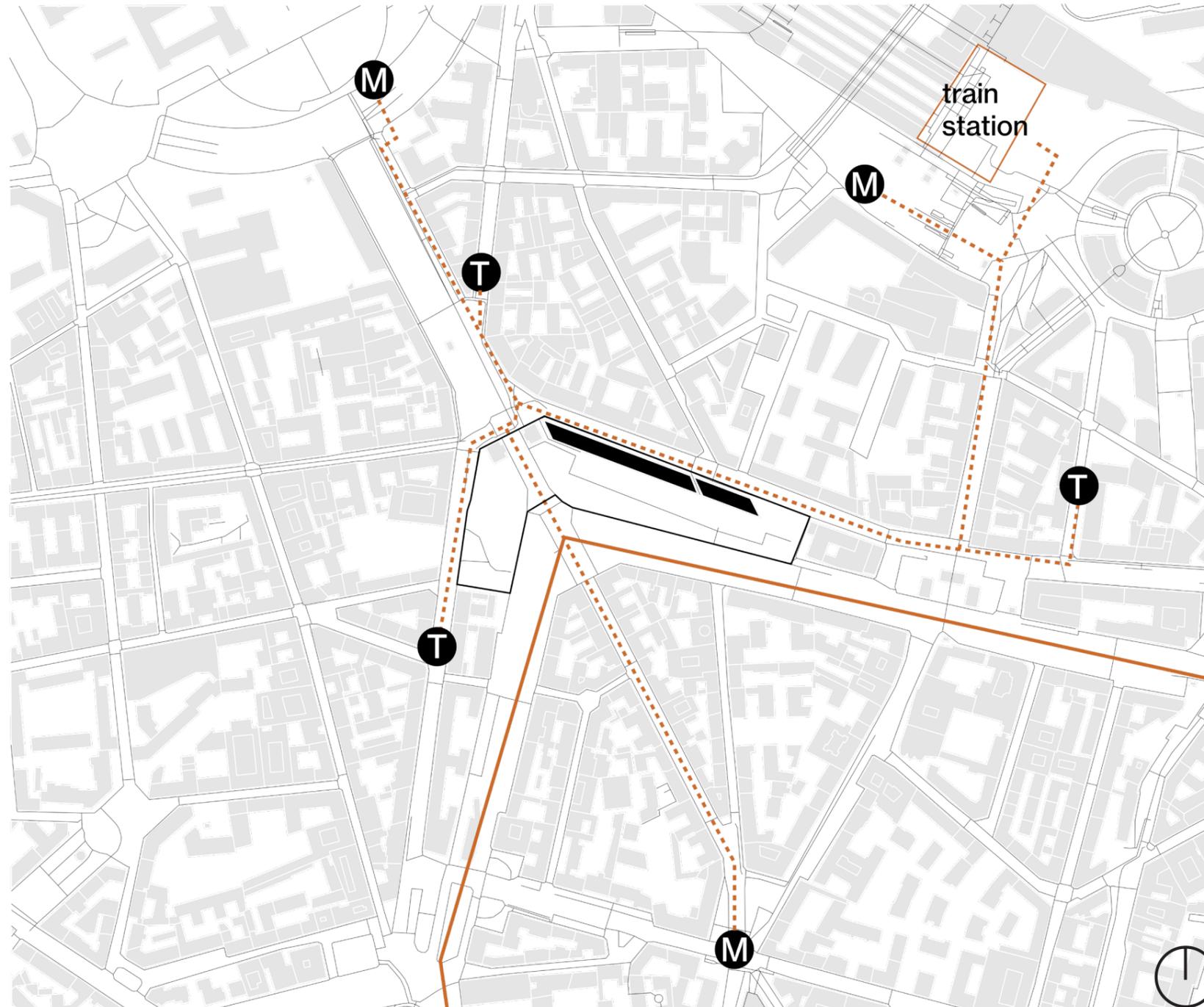
# HISTORIC RELEVANCE



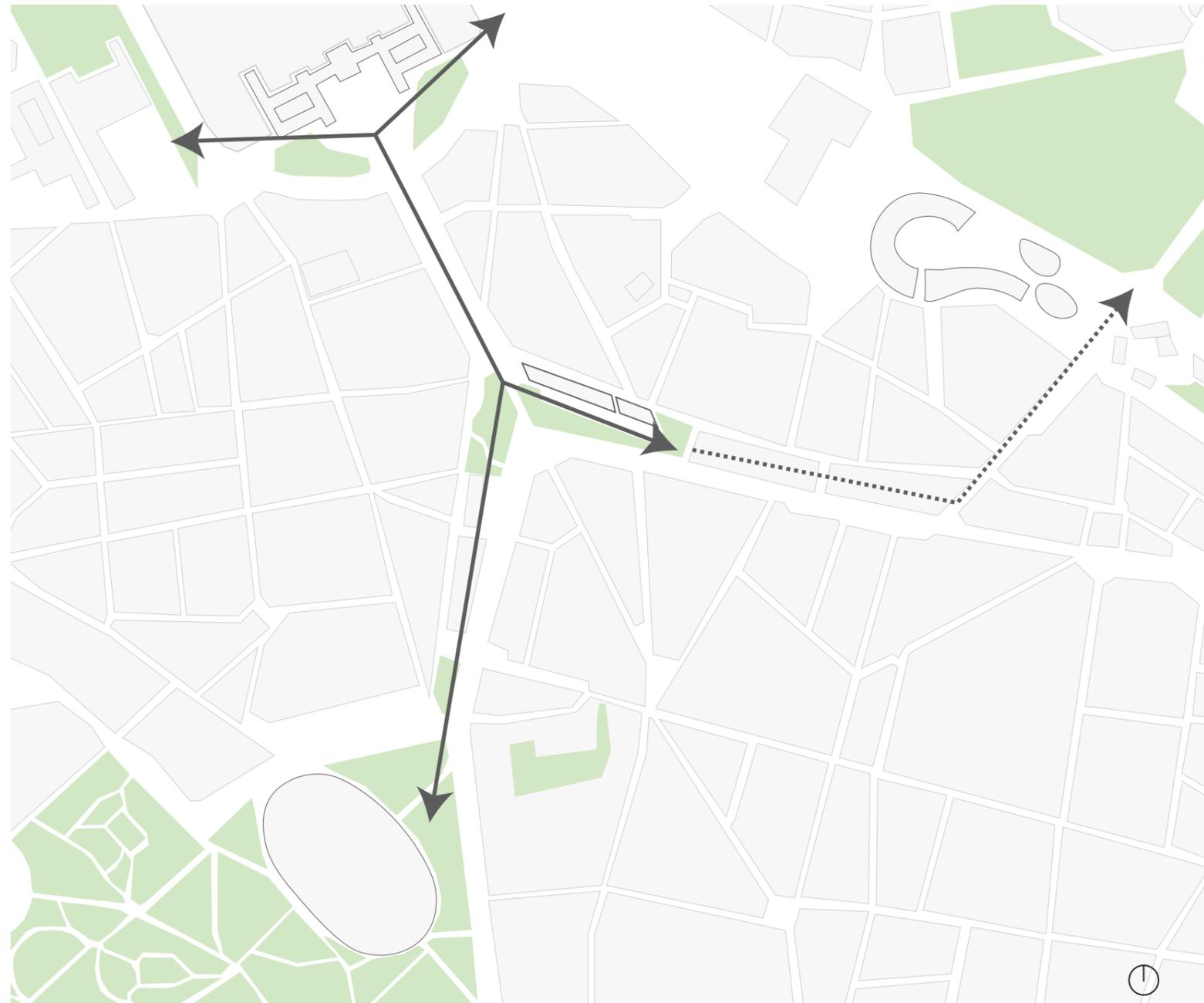
# REMAINS ON SITE



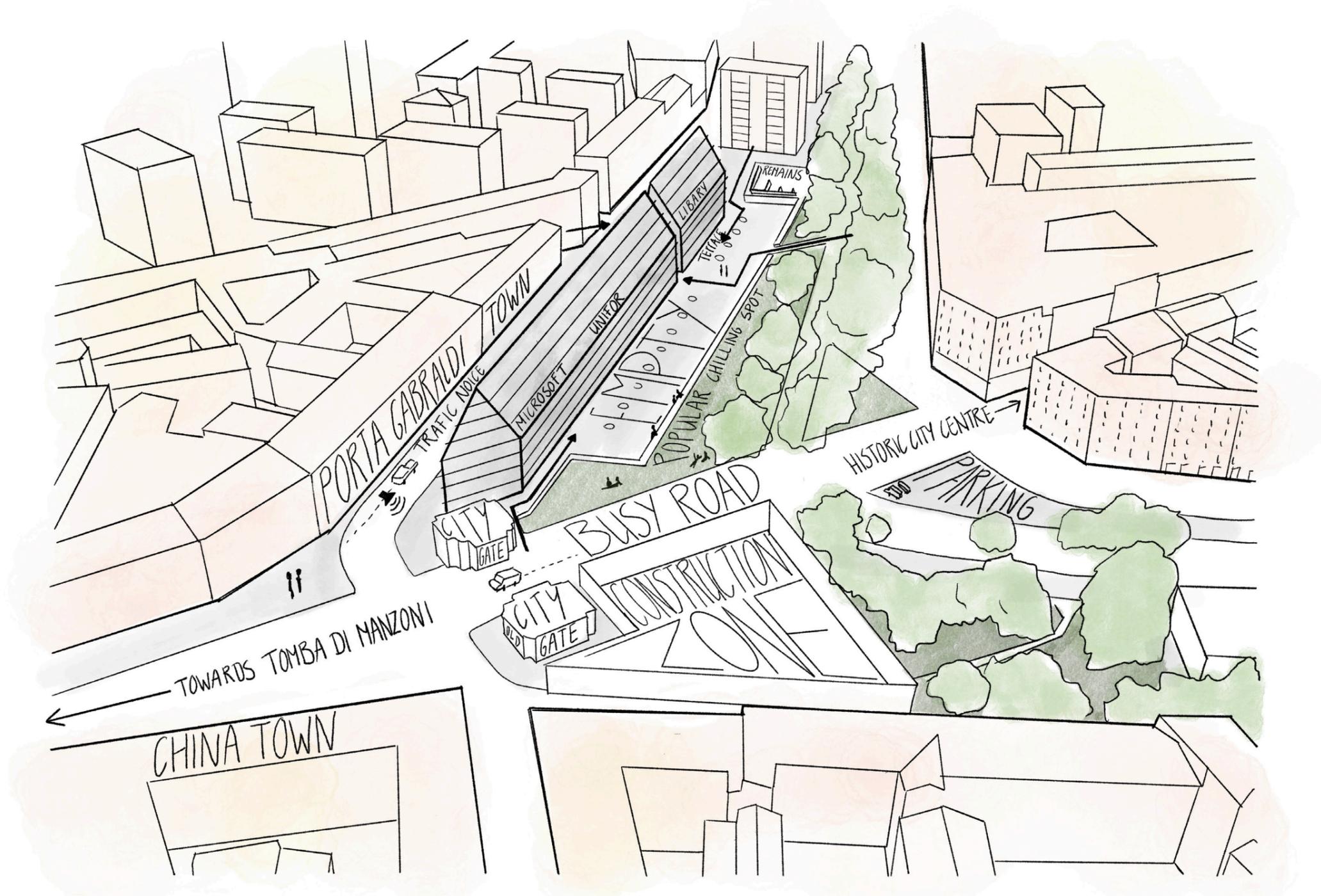
# CONNECTION



# GREEN CONNECTION



# SITE HIGHLIGHTS



# SITE AMBITION

civic quality



# REQUIREMENTS

# REQUIREMENTS



**The building must encourage active participation inside and outside its walls.**

Active participation will support ongoing exchange, where individuals become co-creators of knowledge rather than passive users.



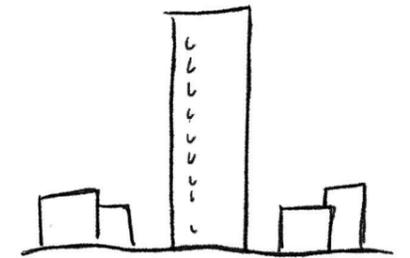
**The library must serve as a collection of stages for creativity and technology.**

These “pockets of exchange,” in varying scales and formats, allow users to demonstrate, perform, and share their skills, encouraging others to join and learn.



**The design must create a strong physical and social link with the surrounding neighborhoods.**

By creating this connection the diverse society can come together and exchange ideas.



**The building should be a landmark for creation and technology**

The library should inspire visitors to contribute in creation and technology by being an eye catcher. Seeing - getting inspired - participating

CONCEPT

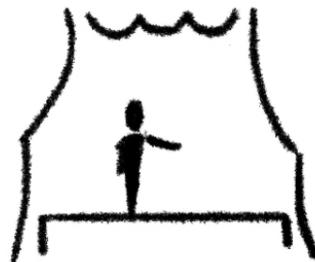
04

# RESEARCH TO DESIGN

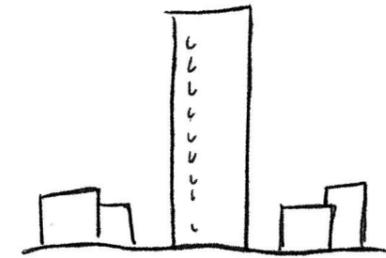
Community



Experience

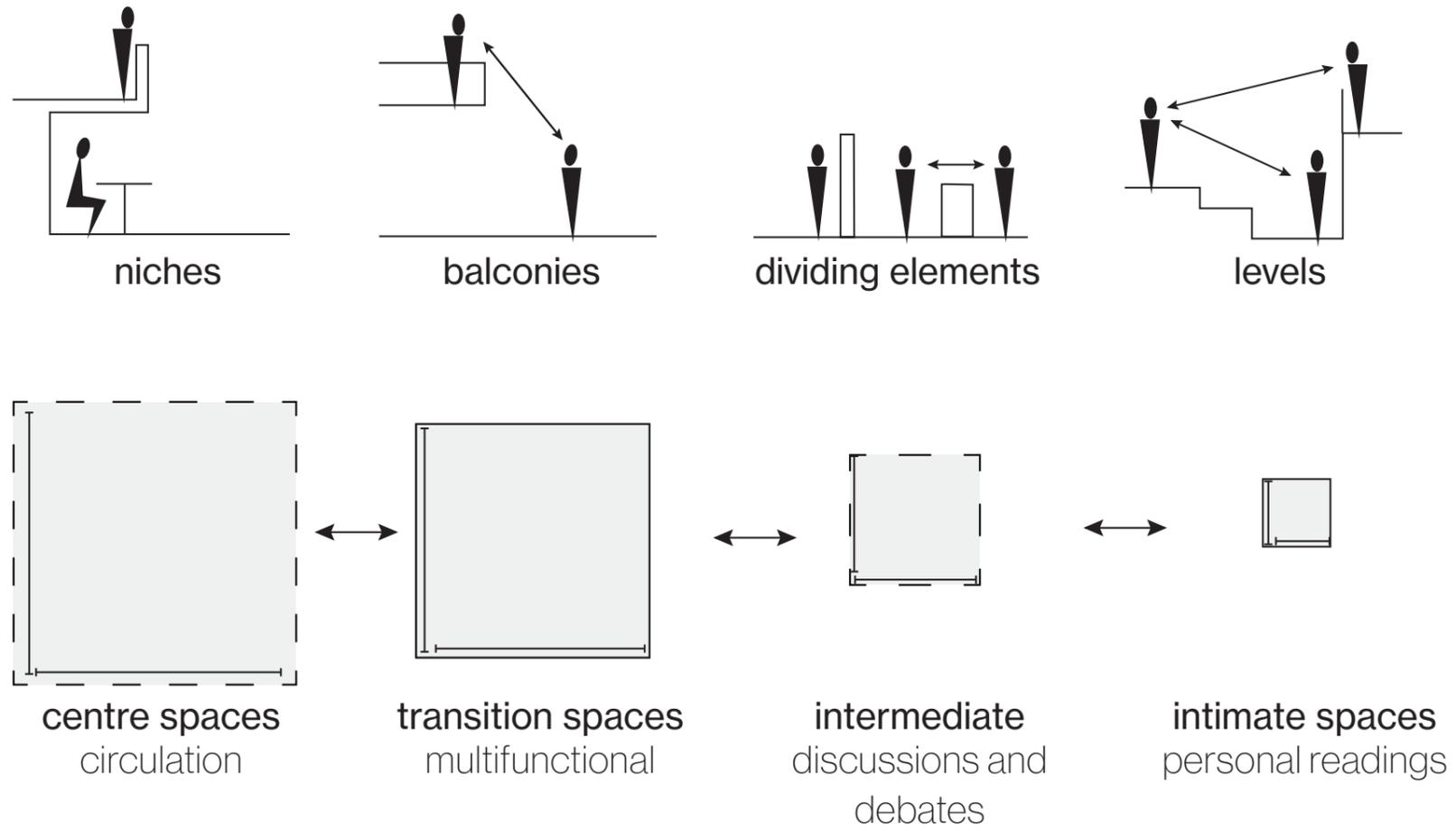


Empowerment



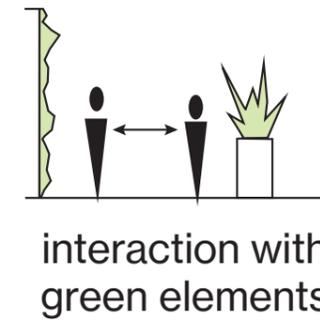
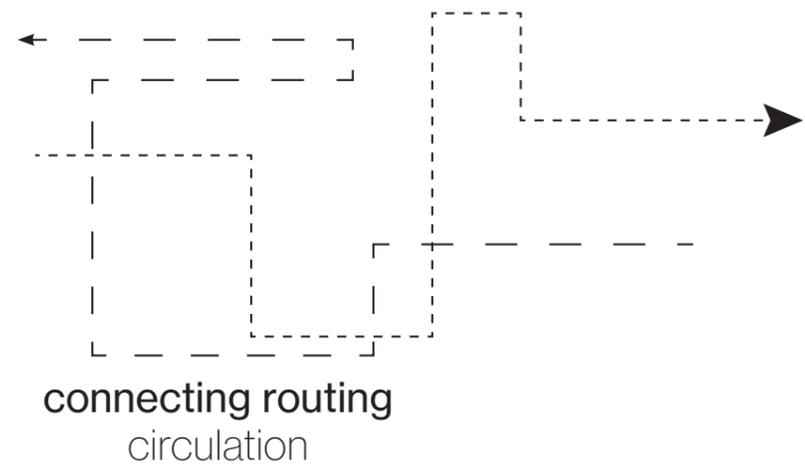
# COMMUNITY

design implementation



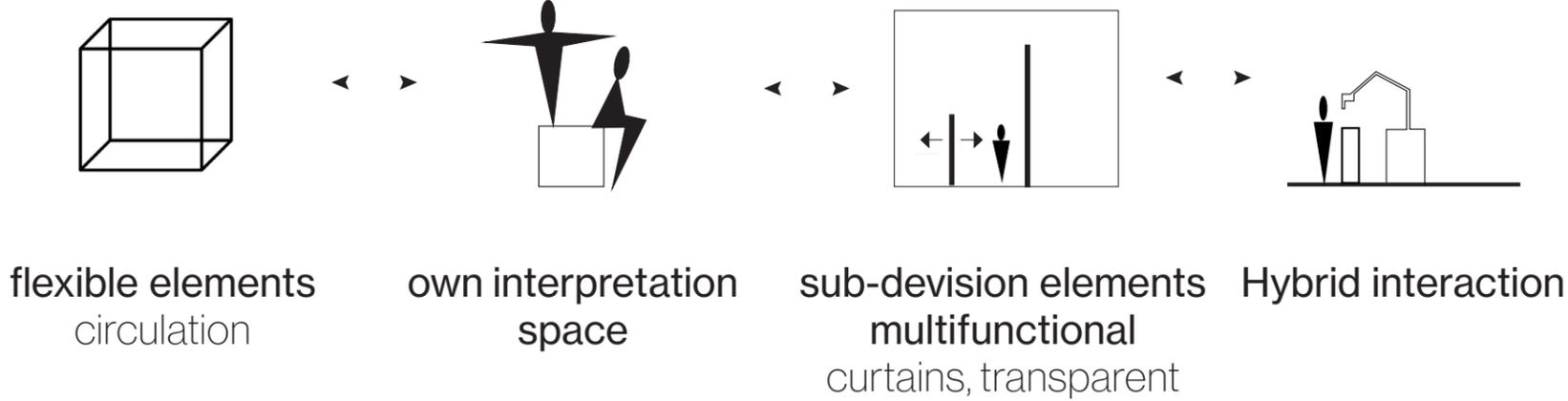
# EXPERIENCE

design implementation



# EMPOWERMENT

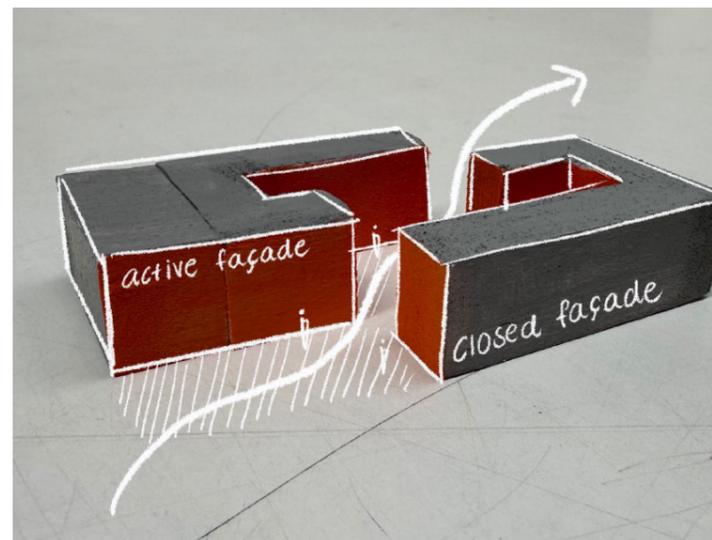
design implementation



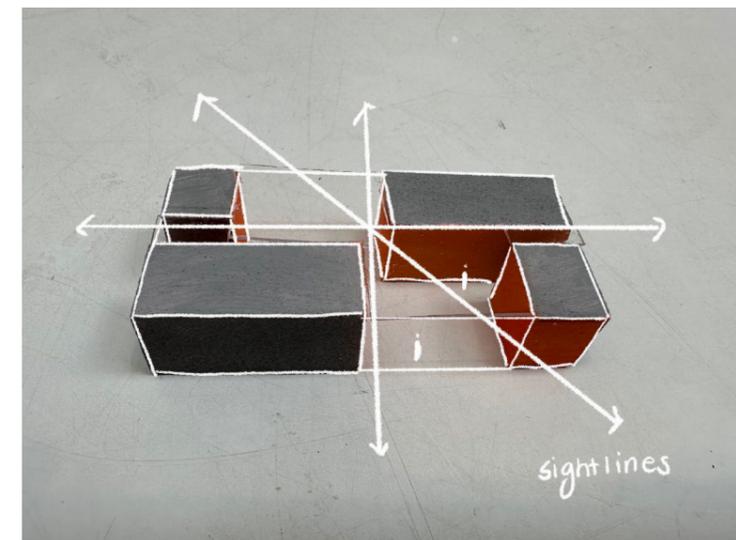
# MASSING



social connecting library

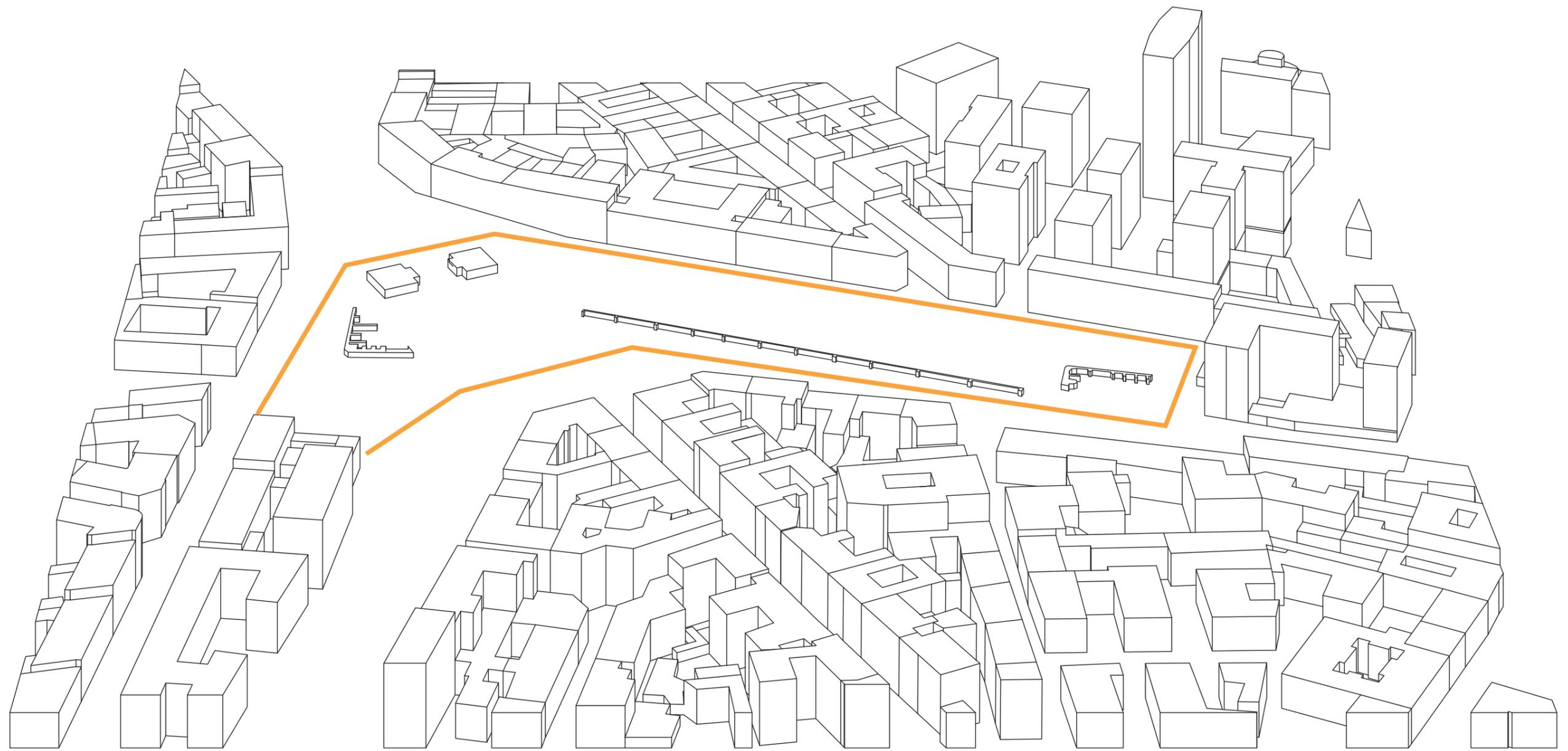


engagement with site

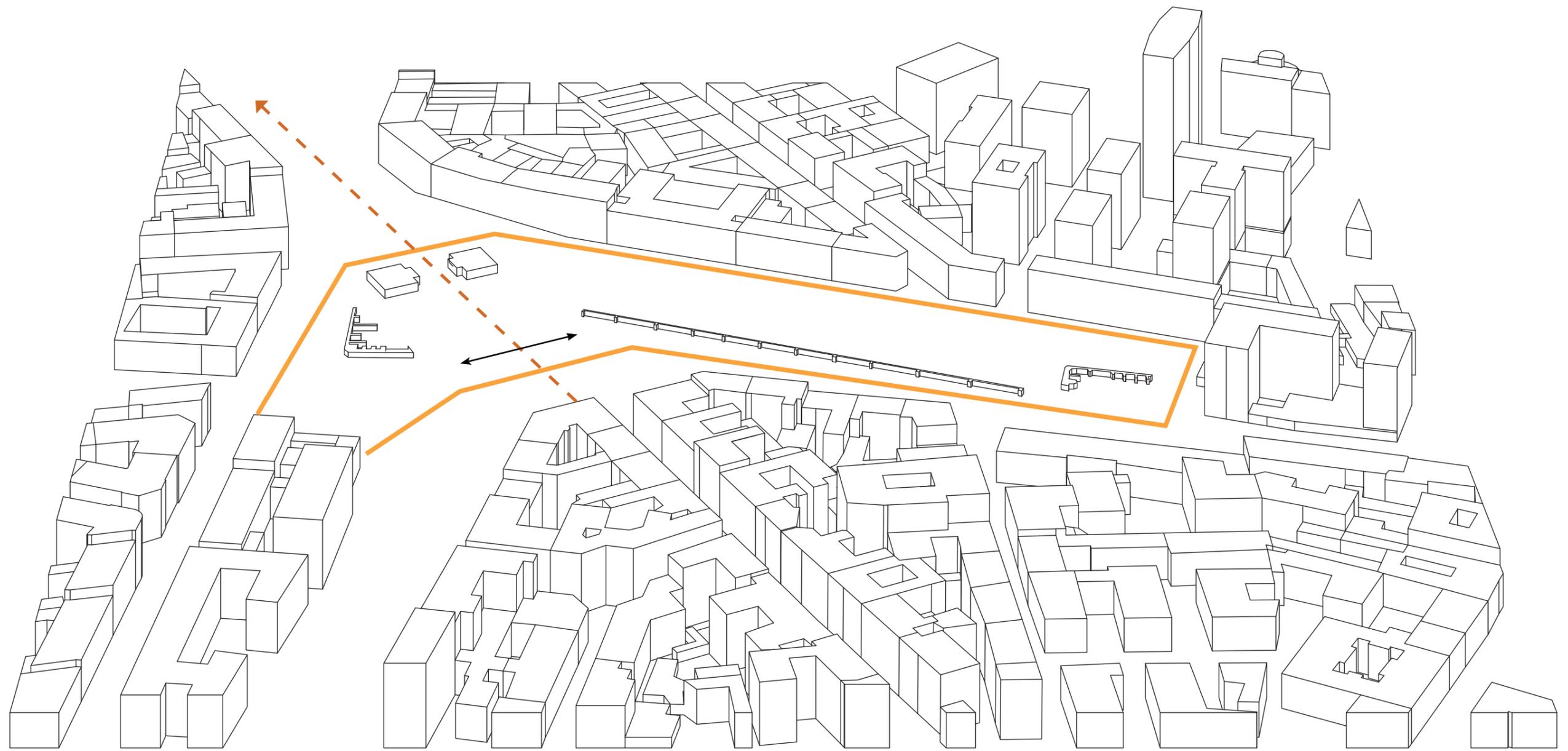


sightlines

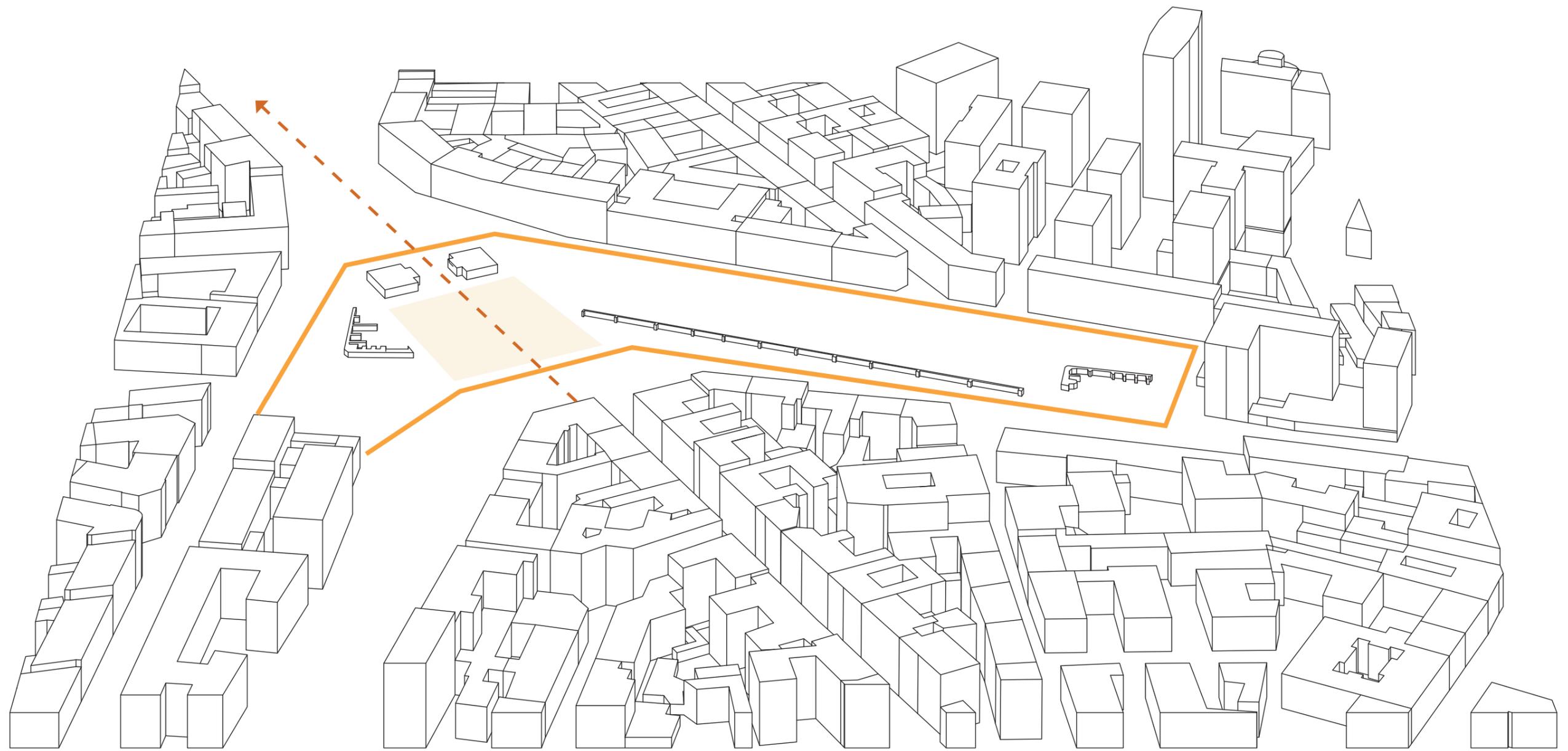
# PLOT



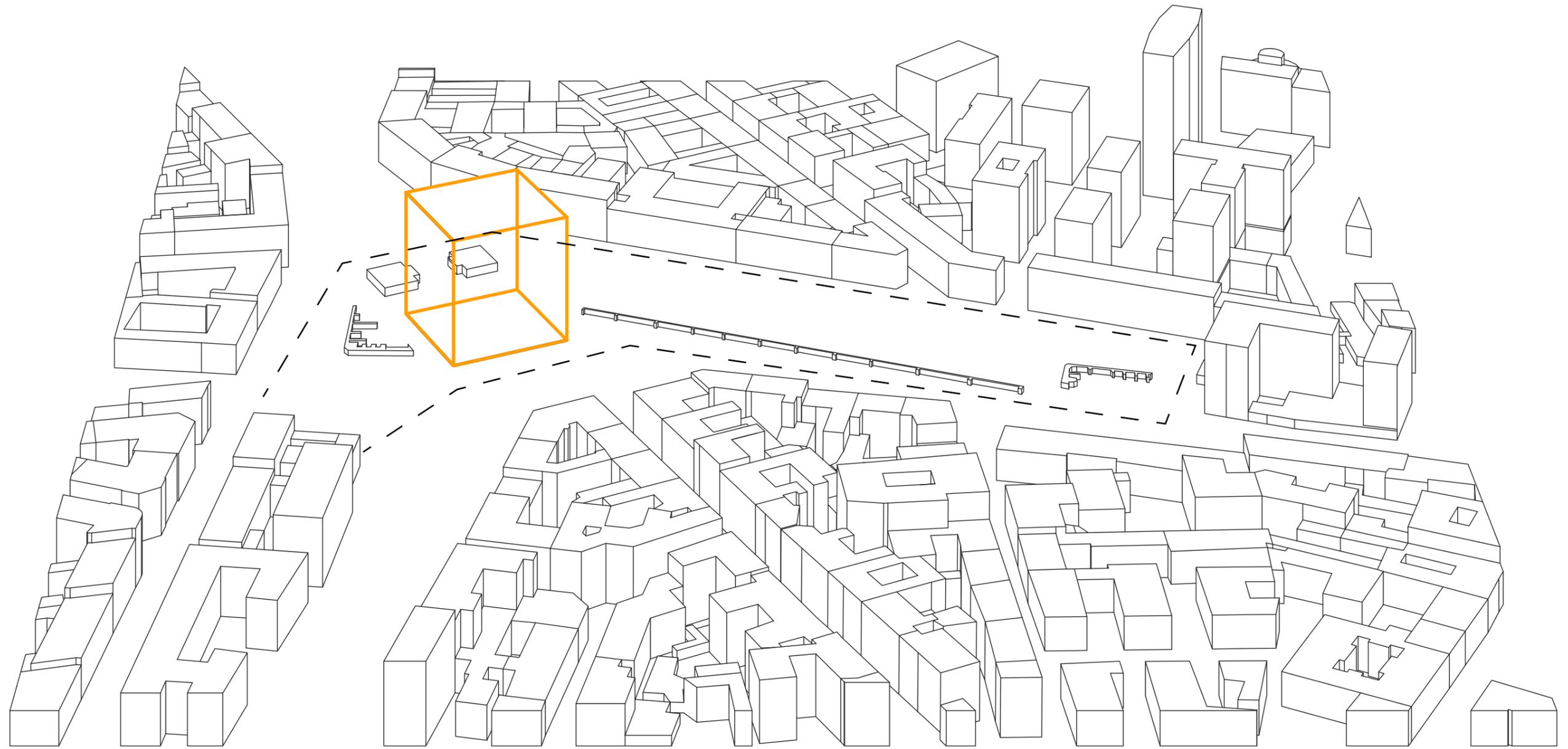
# PLOT



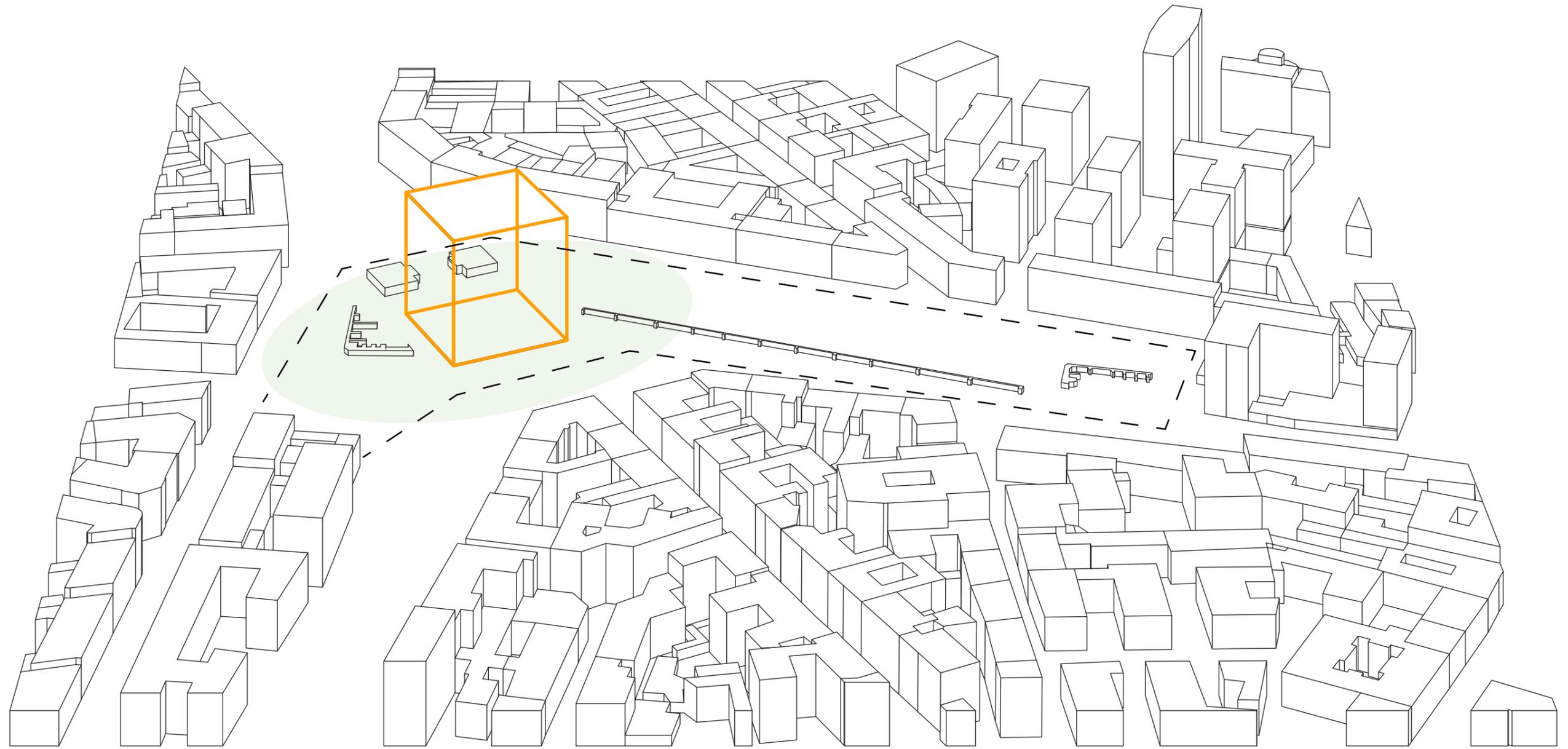
# PLOT



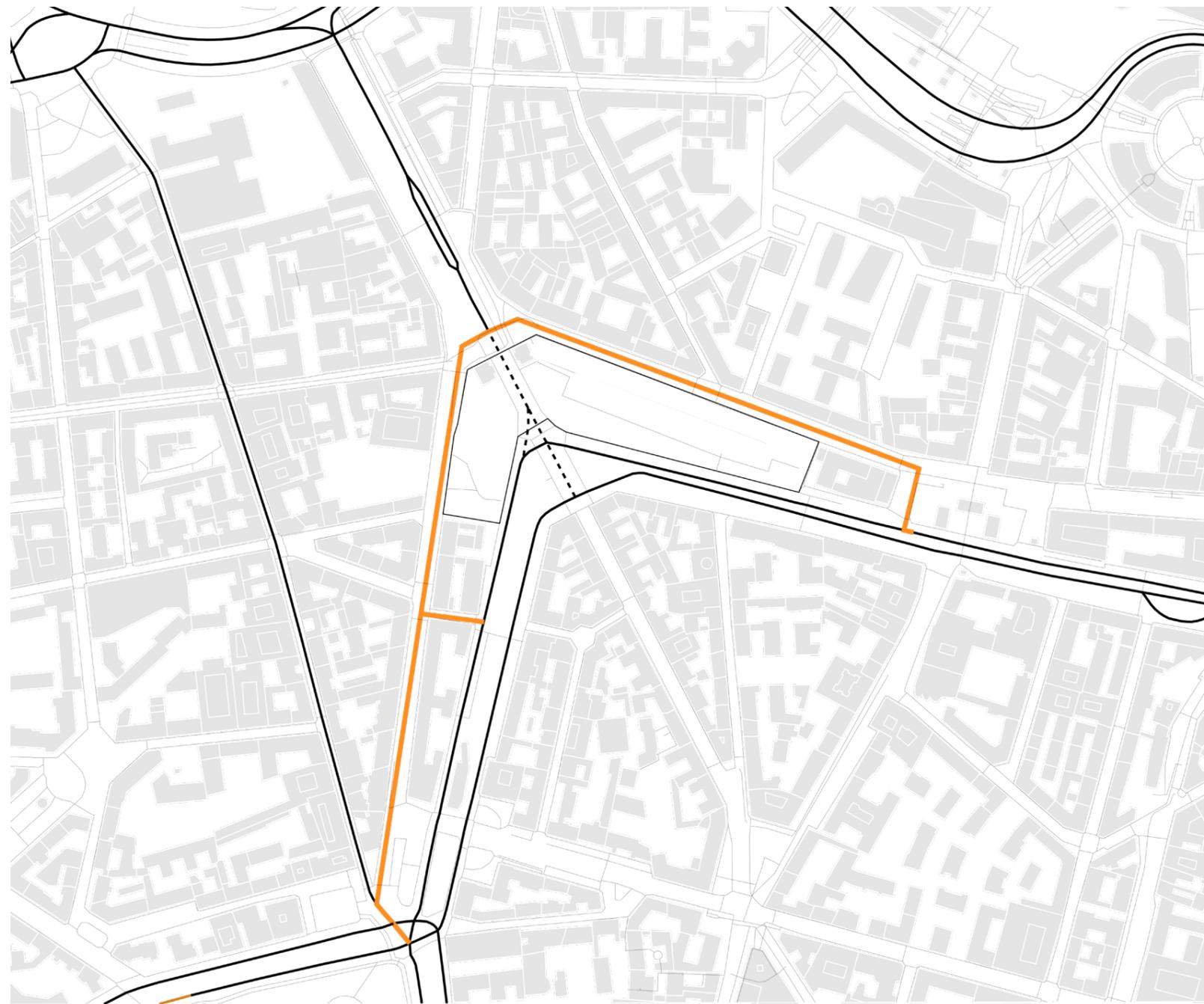
# POSITION ON PLOT



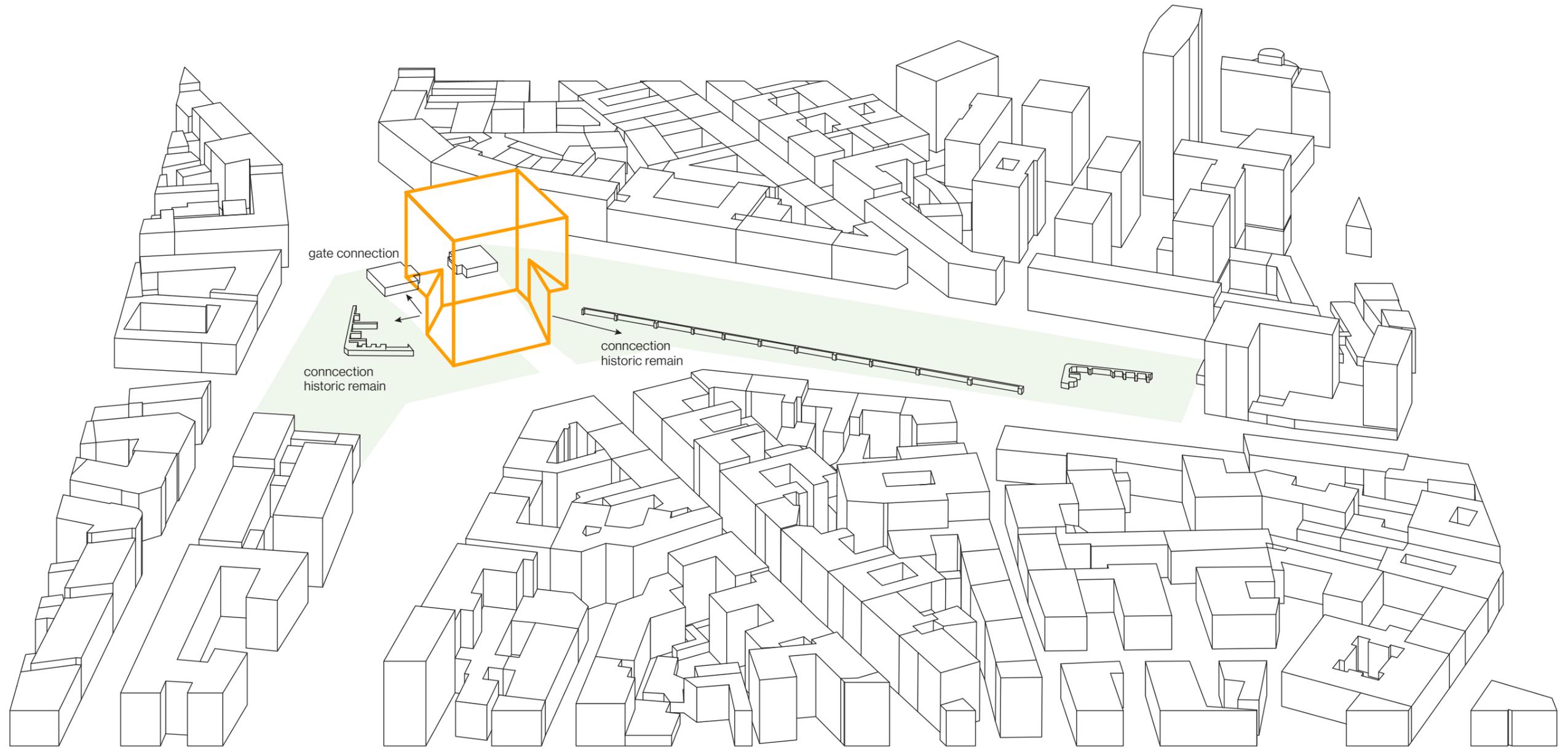
# POSITION ON PLOT



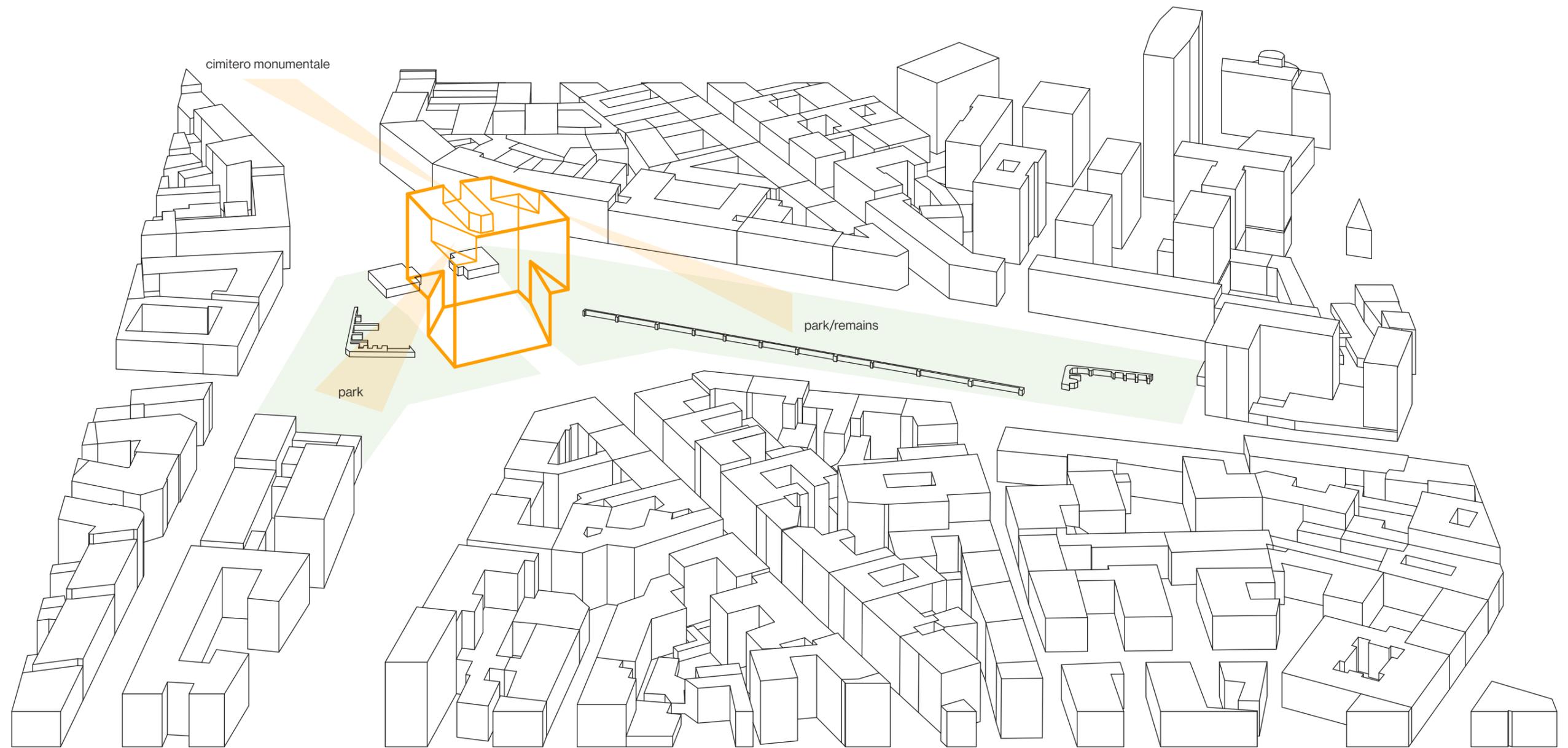
# PROPOSAL DIVERT ROAD



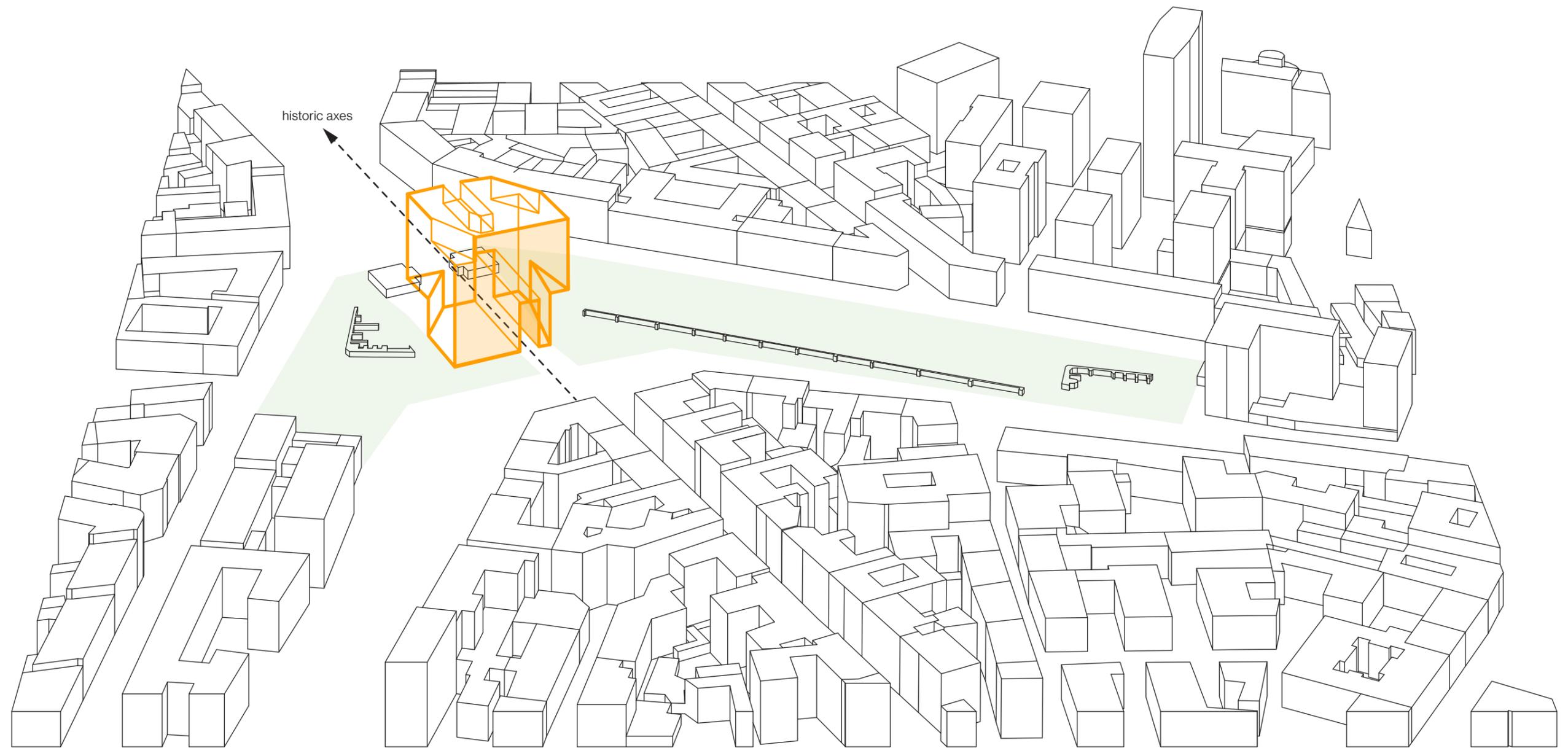
# CONNECTION PARK



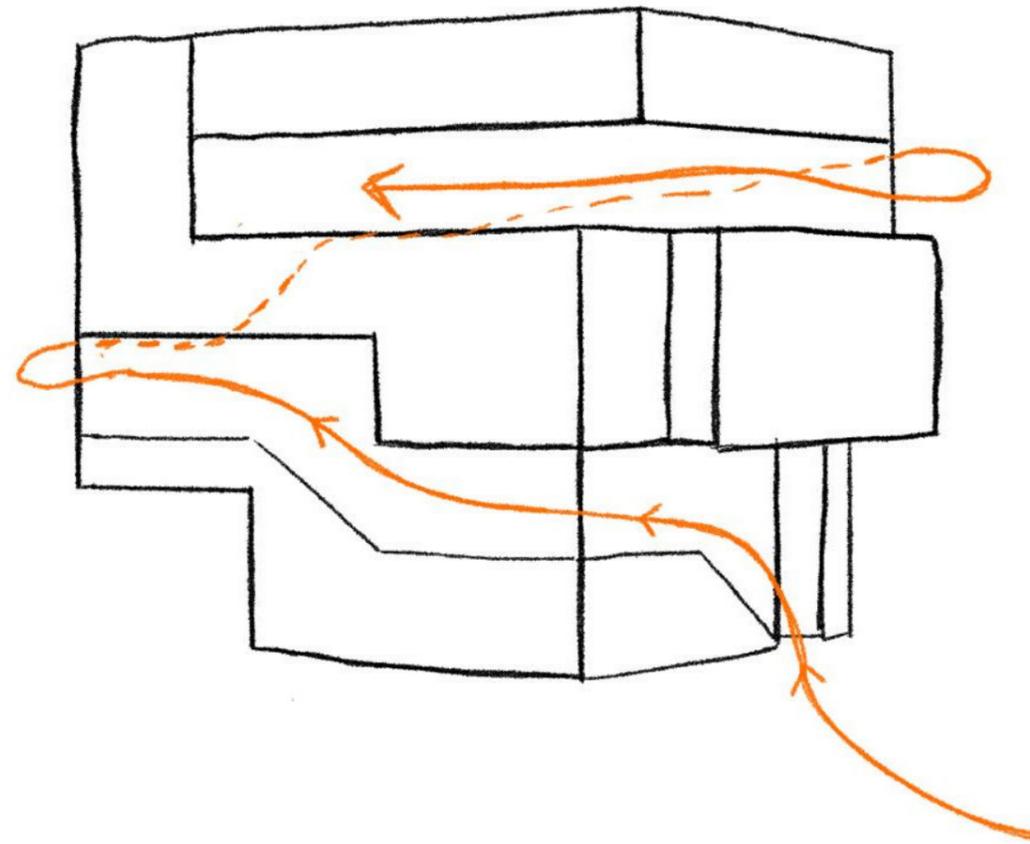
# VIEWS



# POSITION ON PLOT



# VERTICAL RELATION

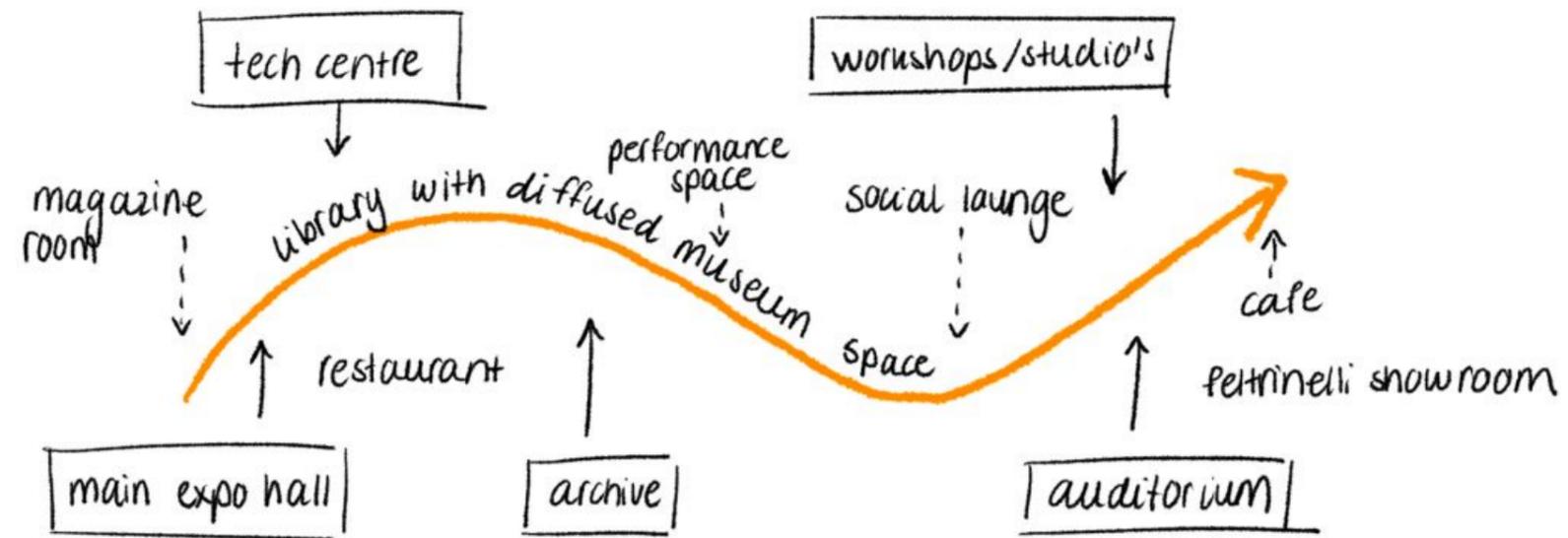


# VISIBILITY ROUTING

model 1:100



# FUNCTION RELATION



IMPLEMENTATION

05

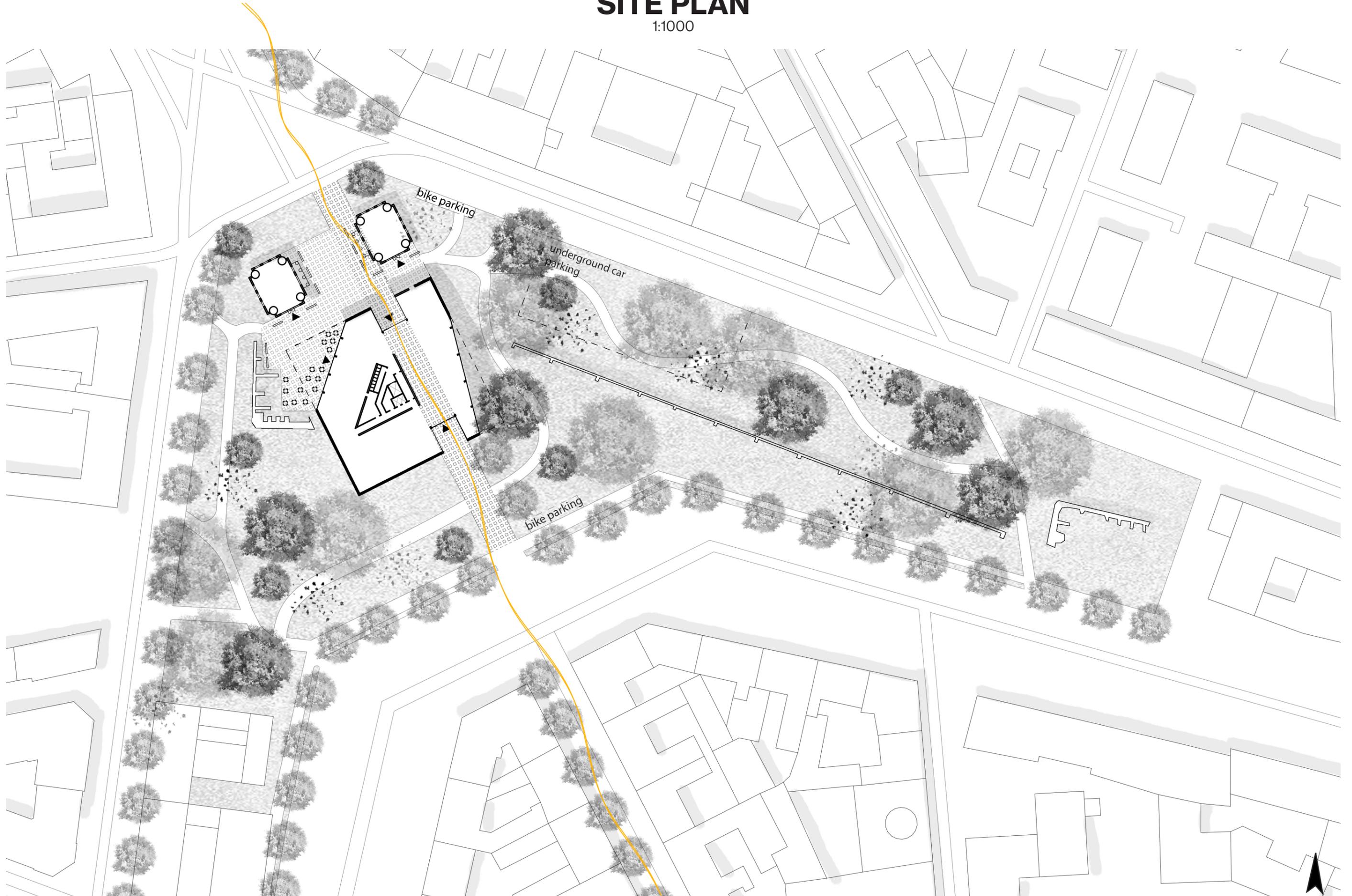
# IMPRESSION

exterior



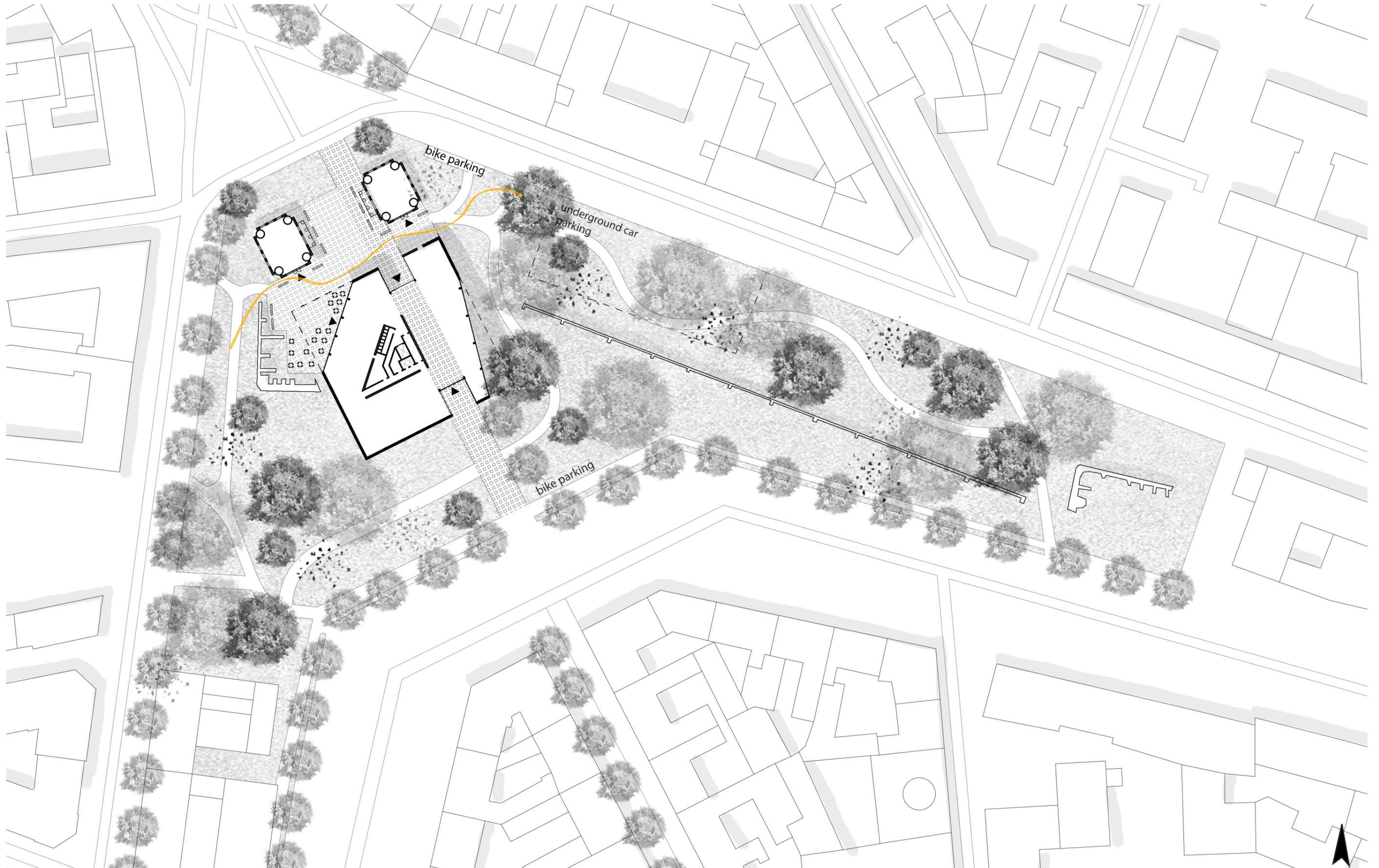
# SITE PLAN

1:1000



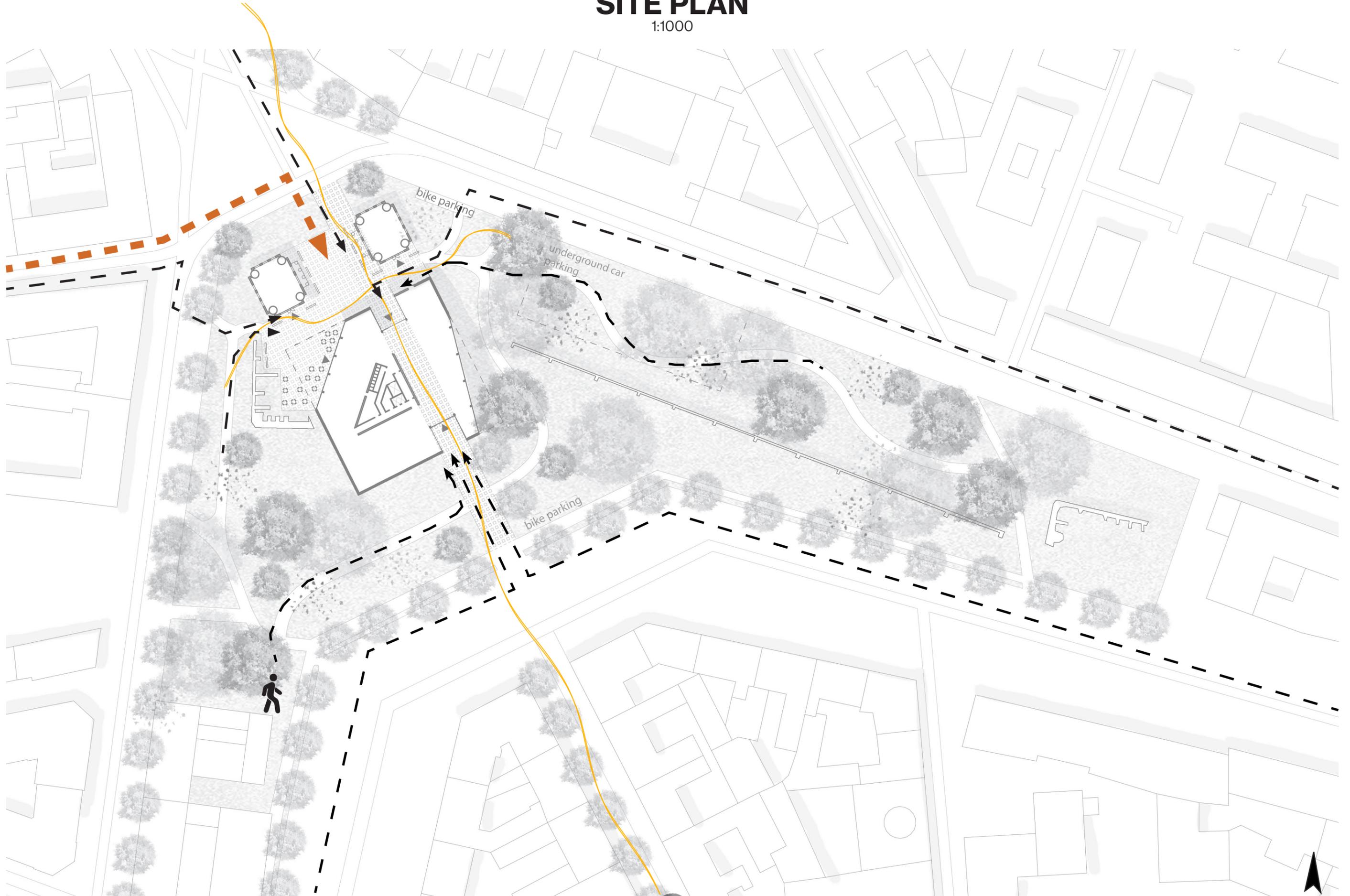
# SITE PLAN

1:1000



# SITE PLAN

1:1000



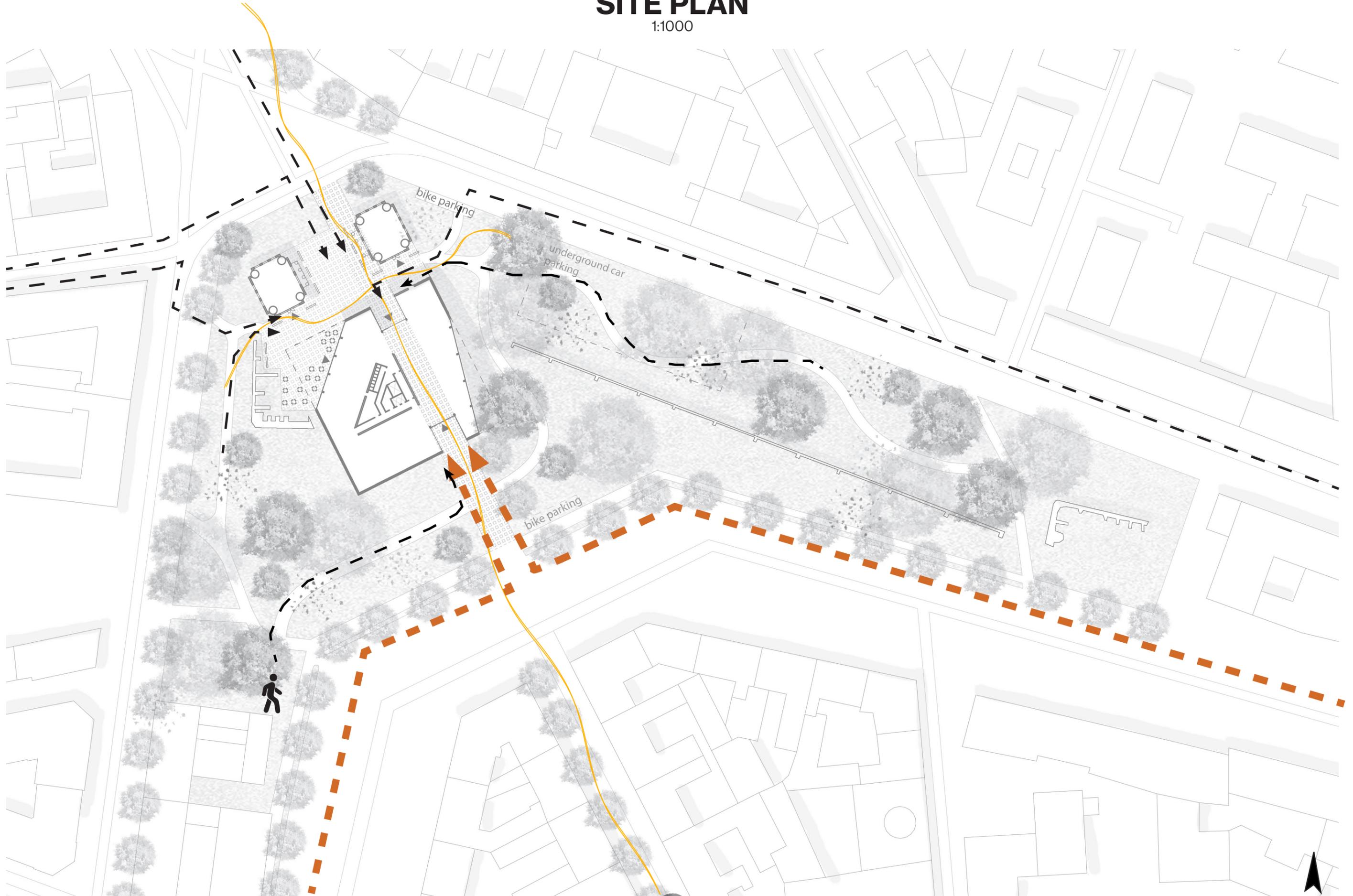
# IMPRESSION

Entering building



# SITE PLAN

1:1000



# SOUTH-EAST ELEVATION

1:200



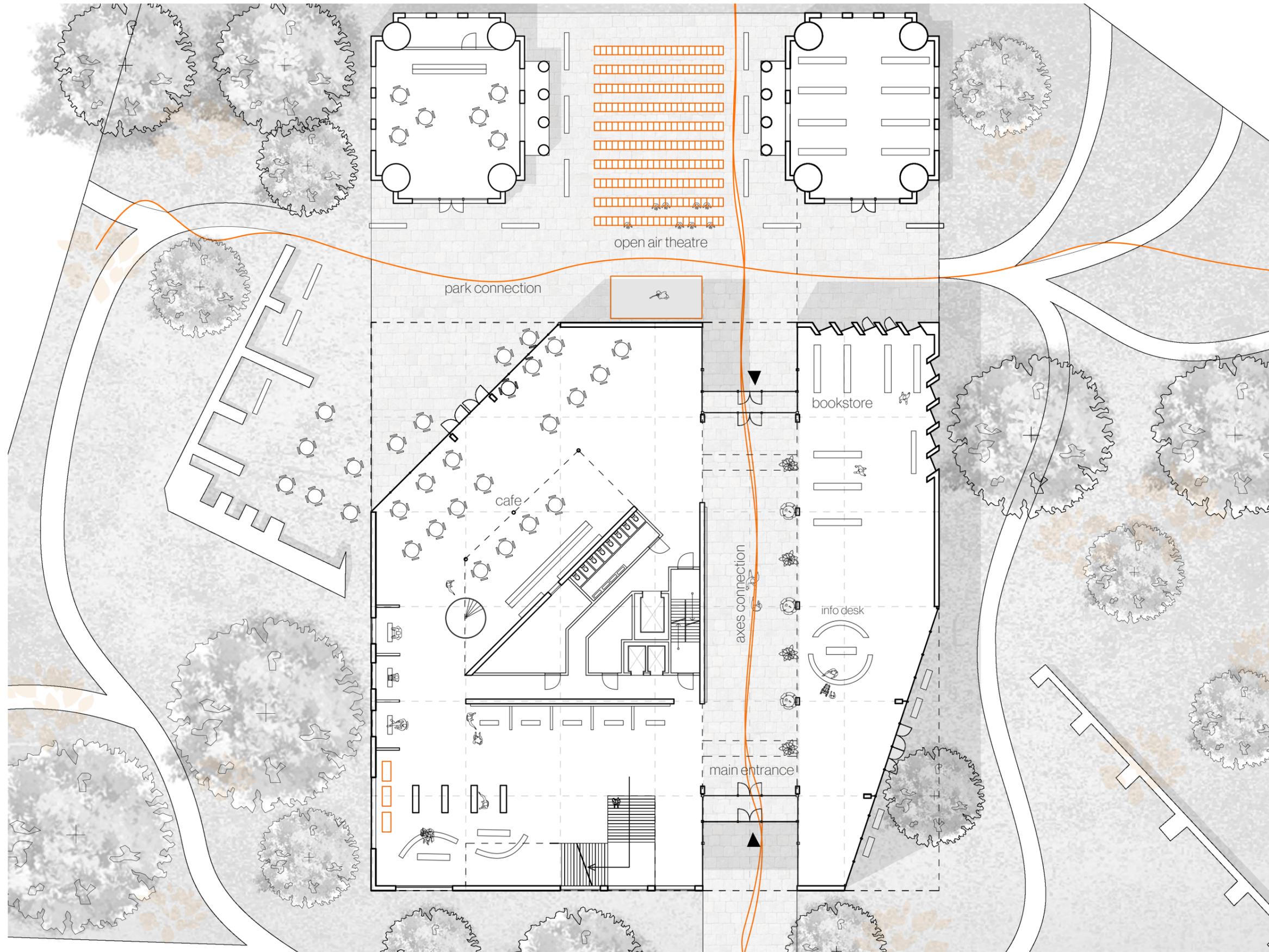
# ENTRANCE

model 1:100



# FLOORPLAN GF

1:200



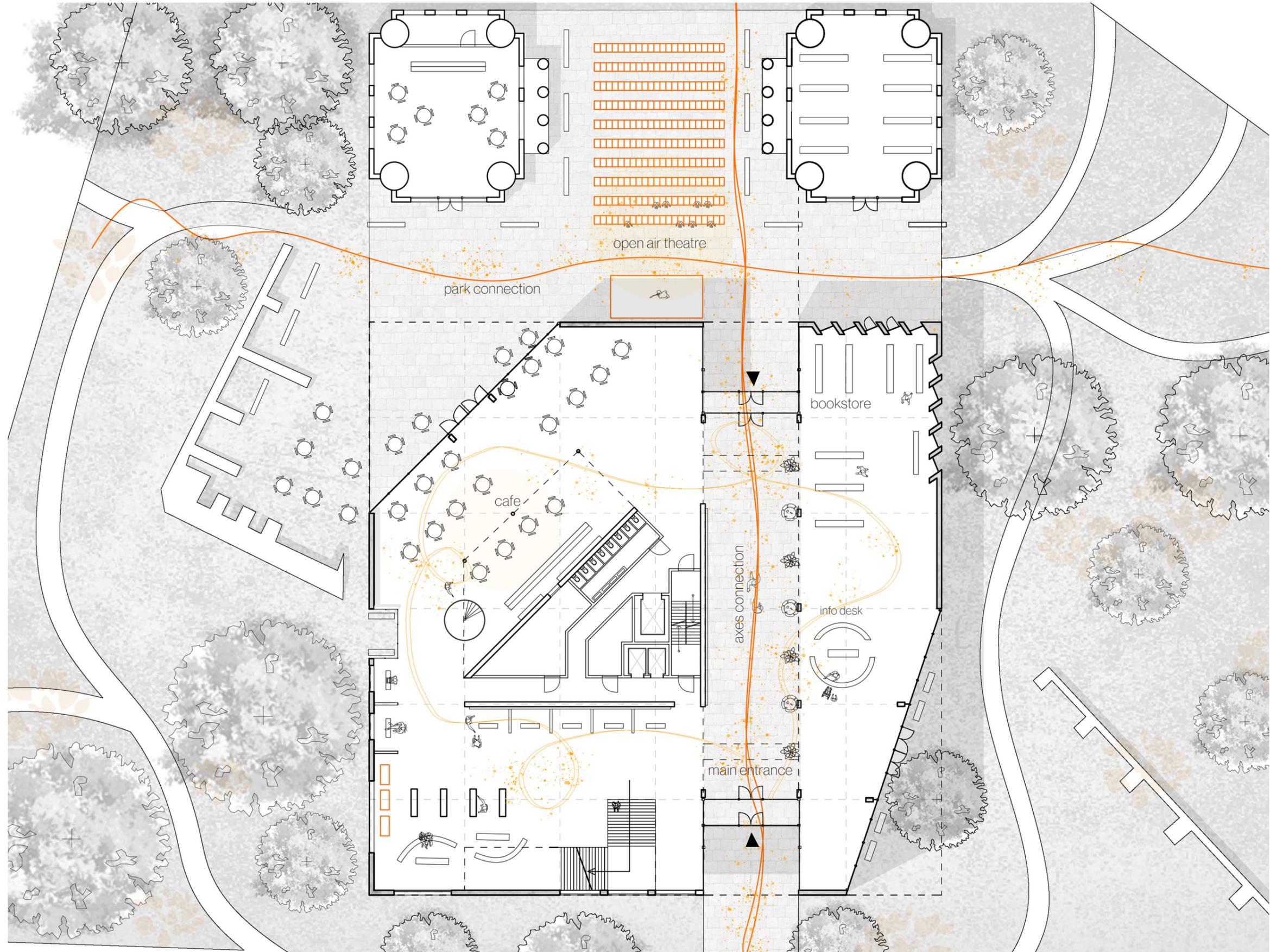
# IMPRESSION

inside street



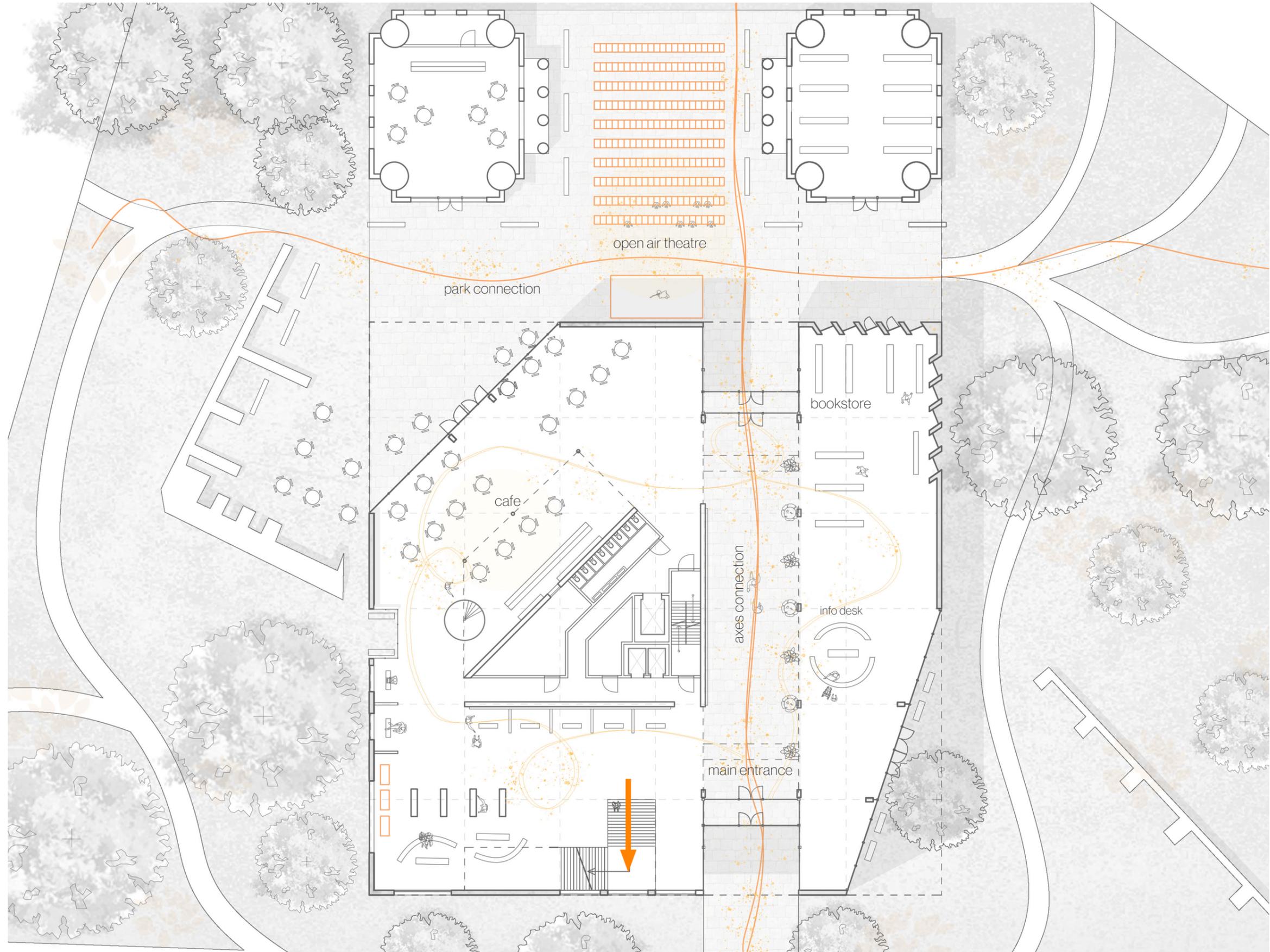
# FLOORPLAN GF

1:200



# FLOORPLAN GF

1:200



# SECTION 1

(1:100)

**12**  
roof terrace /solar panels

**10/11**  
archive learning spaces

**8/9**  
restaurant  
auditorium

**7**  
start up offices  
tech centre

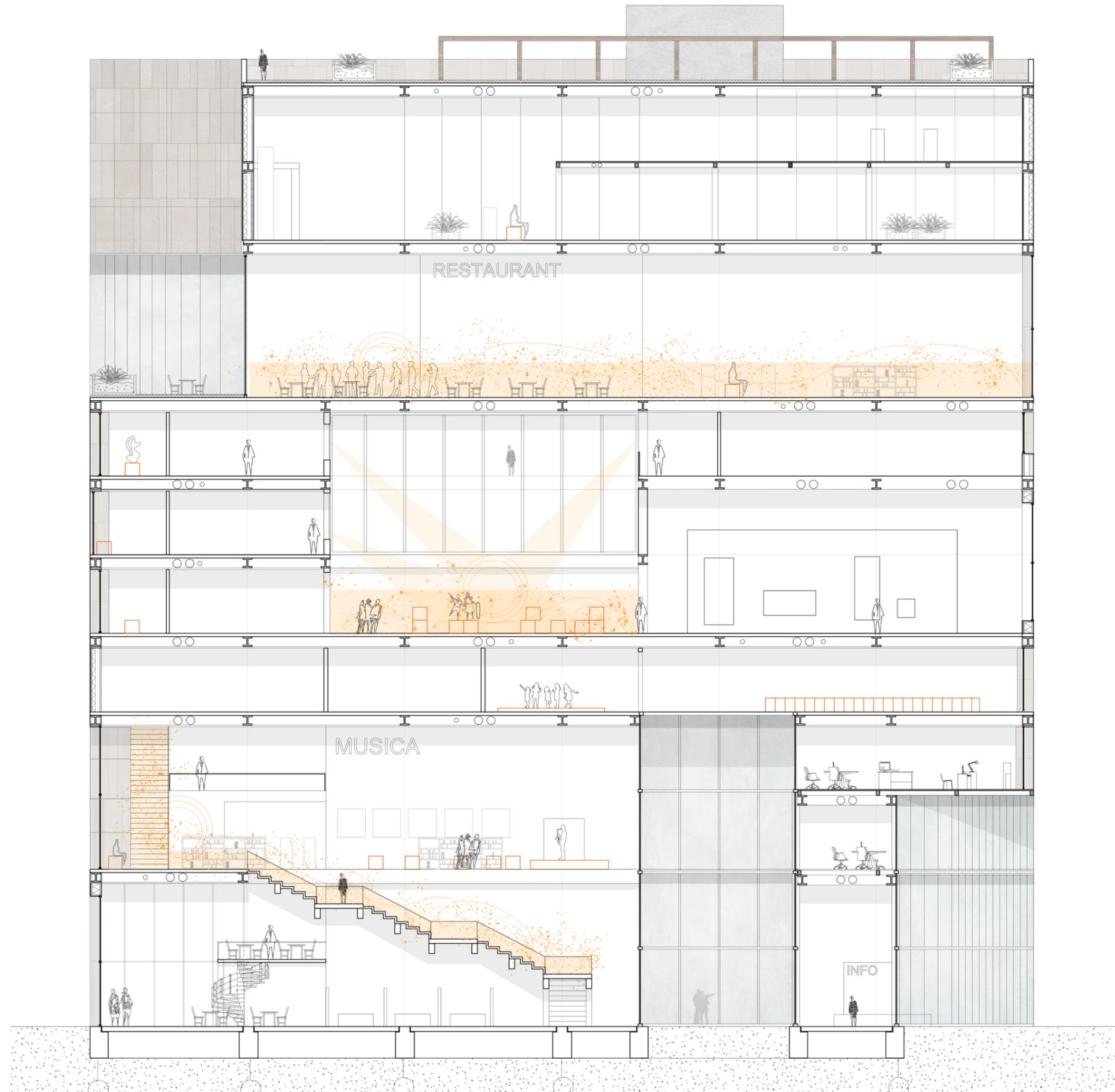
**5/6**  
main museum hall  
workshop spaces art  
collaboration space

**4**  
studio spaces dance

**3**  
offices museum/ library  
art workshops

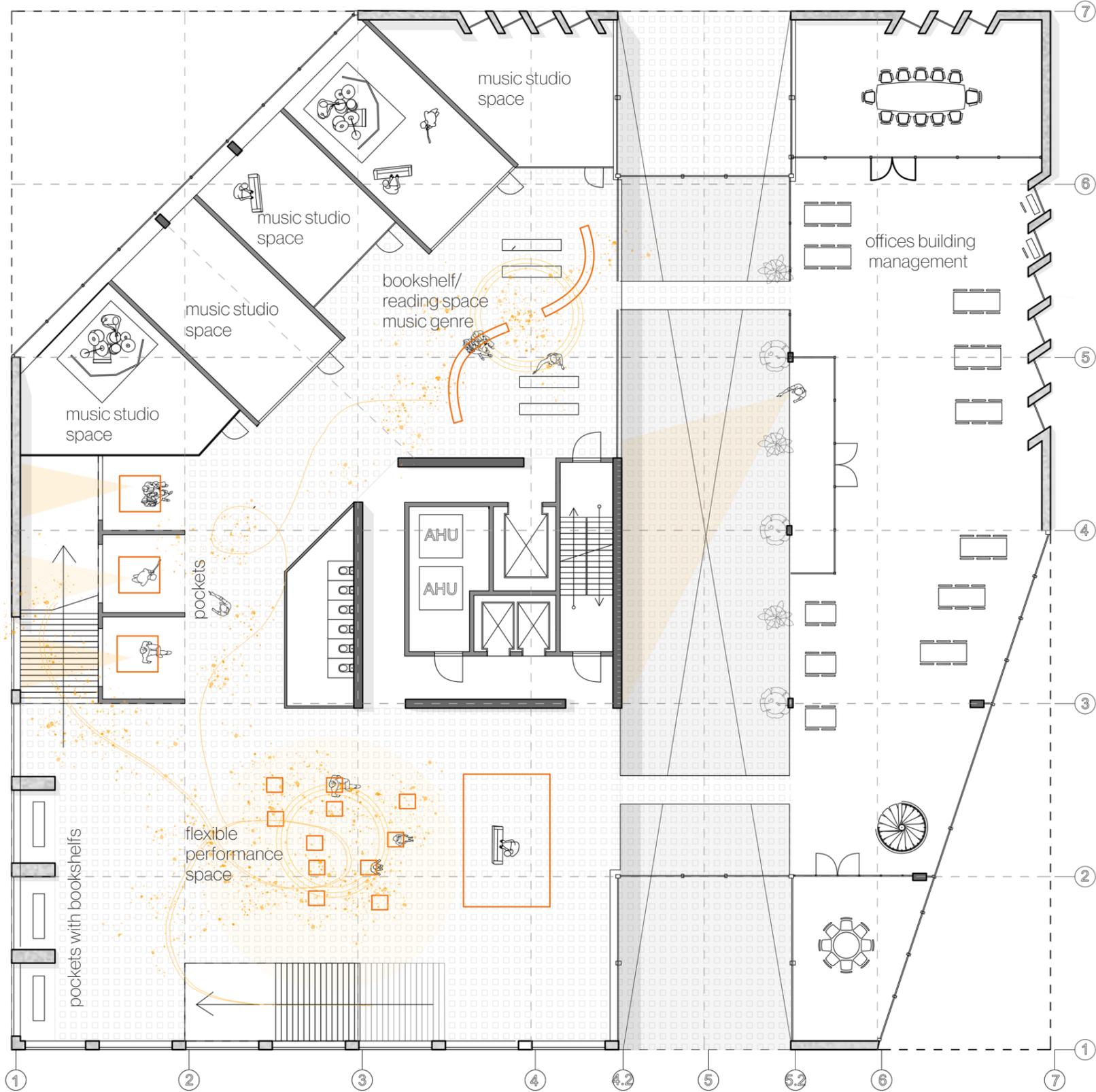
**2**  
offices  
studio's music

**GF/1**  
cafe, bookstore, entrance  
info desk, feltrinelli collection



# FLOORPLAN 2nd

1:200  
Musica floor



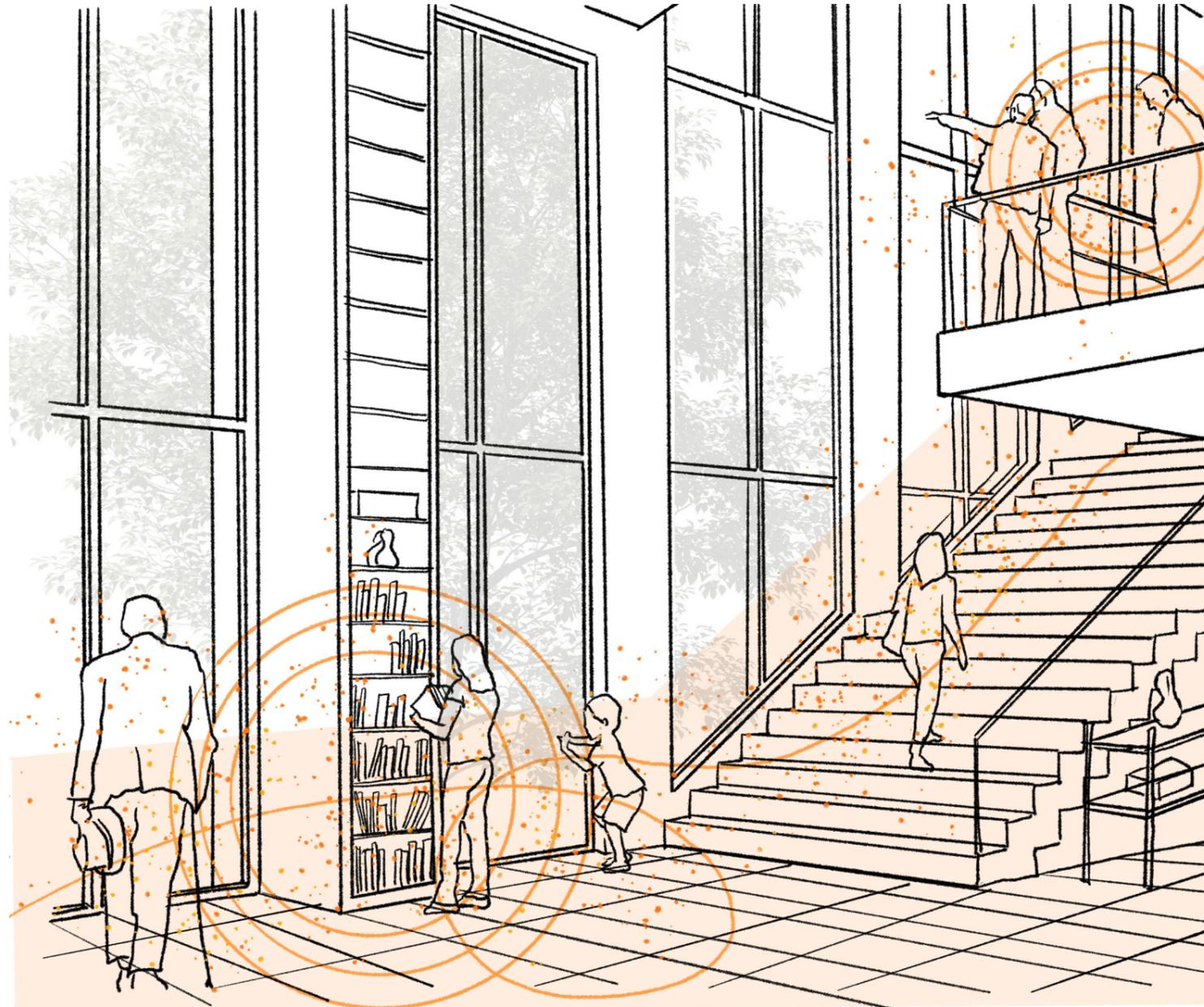
# KEY SPACES

flexible performance/ exhibition spaces on every floor



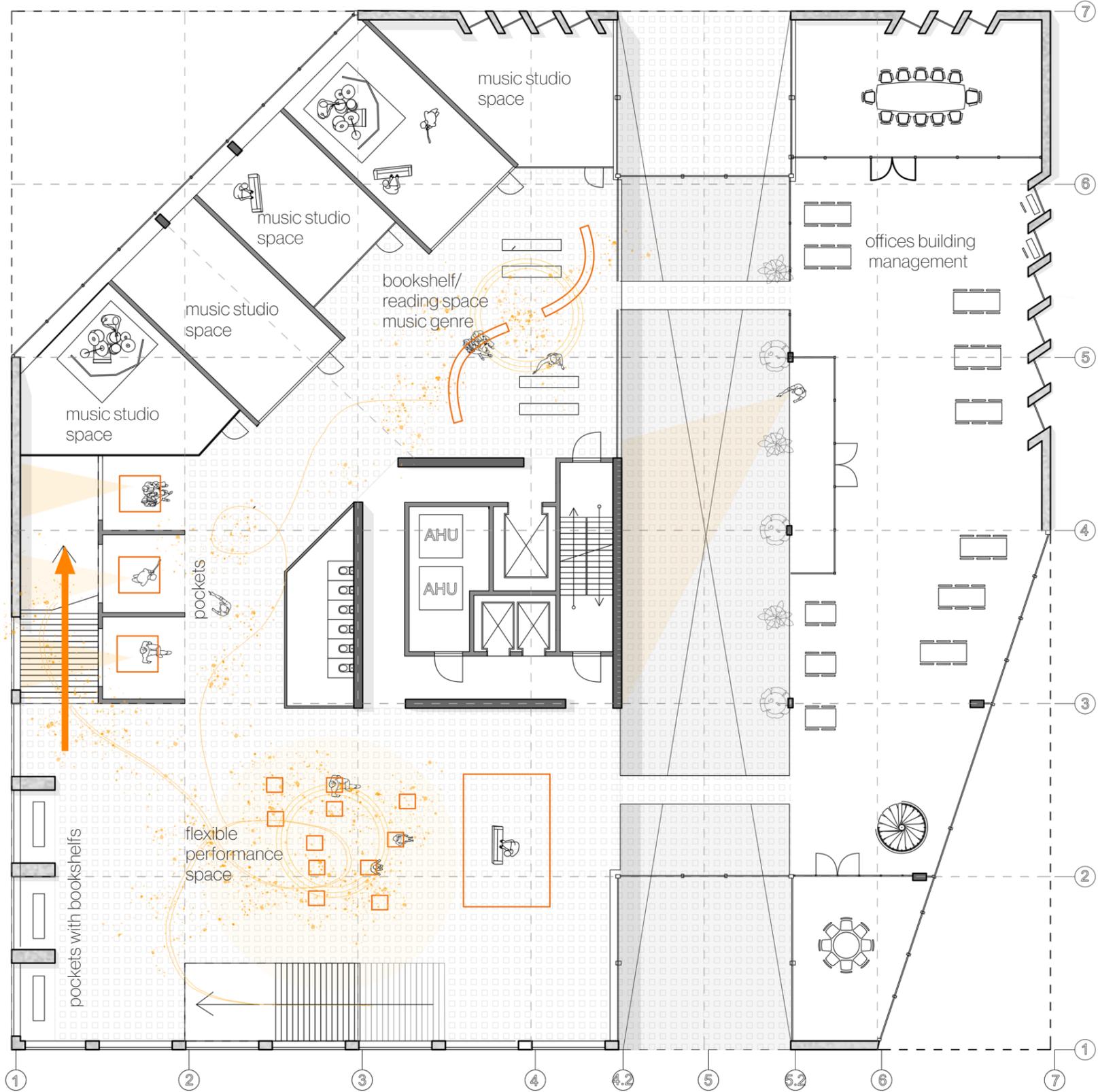
# ROUTING

Impression



# FLOORPLAN 2nd

1:200  
Musica floor



# POCKETS ALONG ROUTING

impression



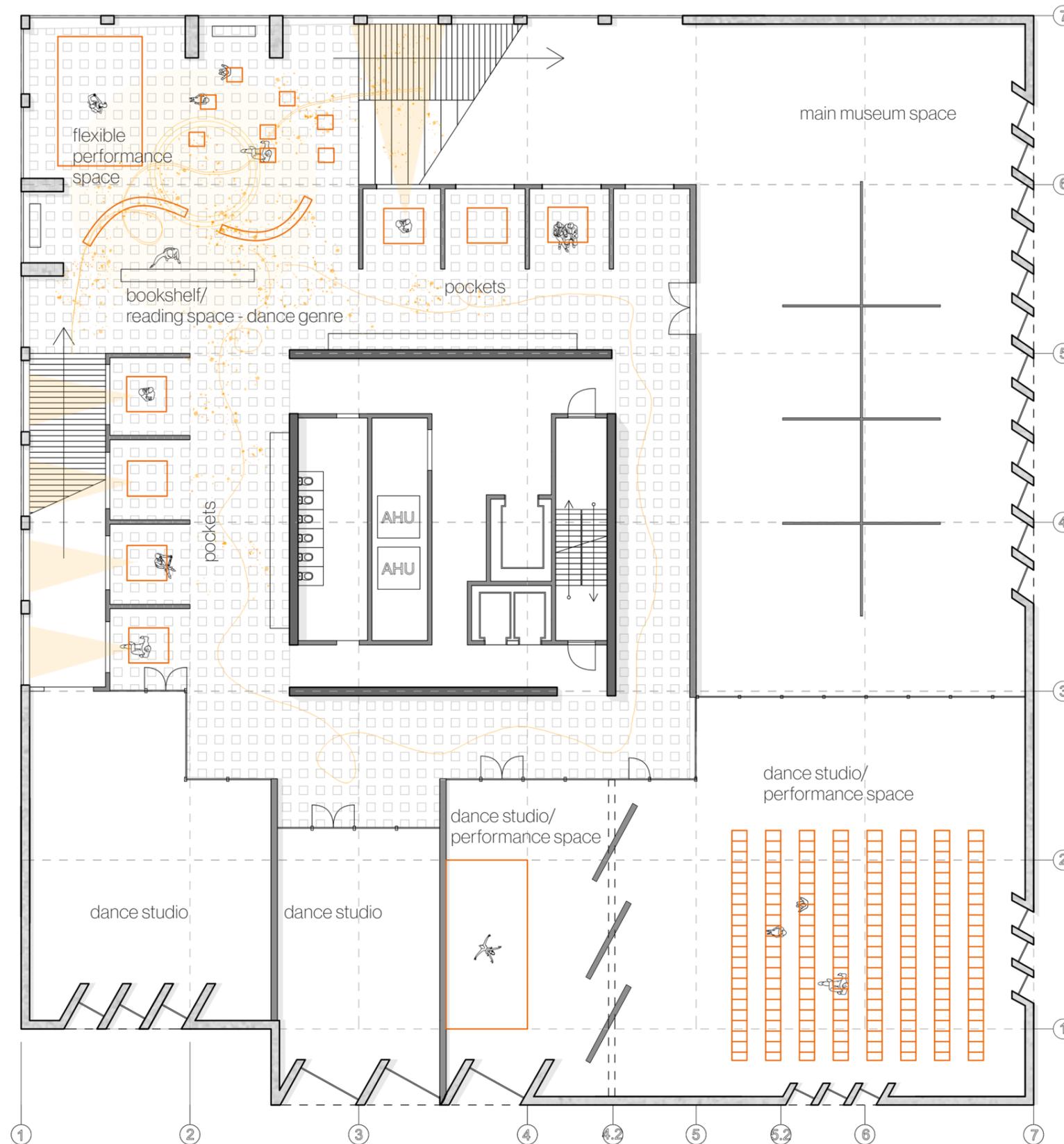
# POCKETS ALONG ROUTING

model 1:100



# FLOORPLAN 4th

1:200  
danza & museo floor



# KEY SPACE

impression central space 4th level



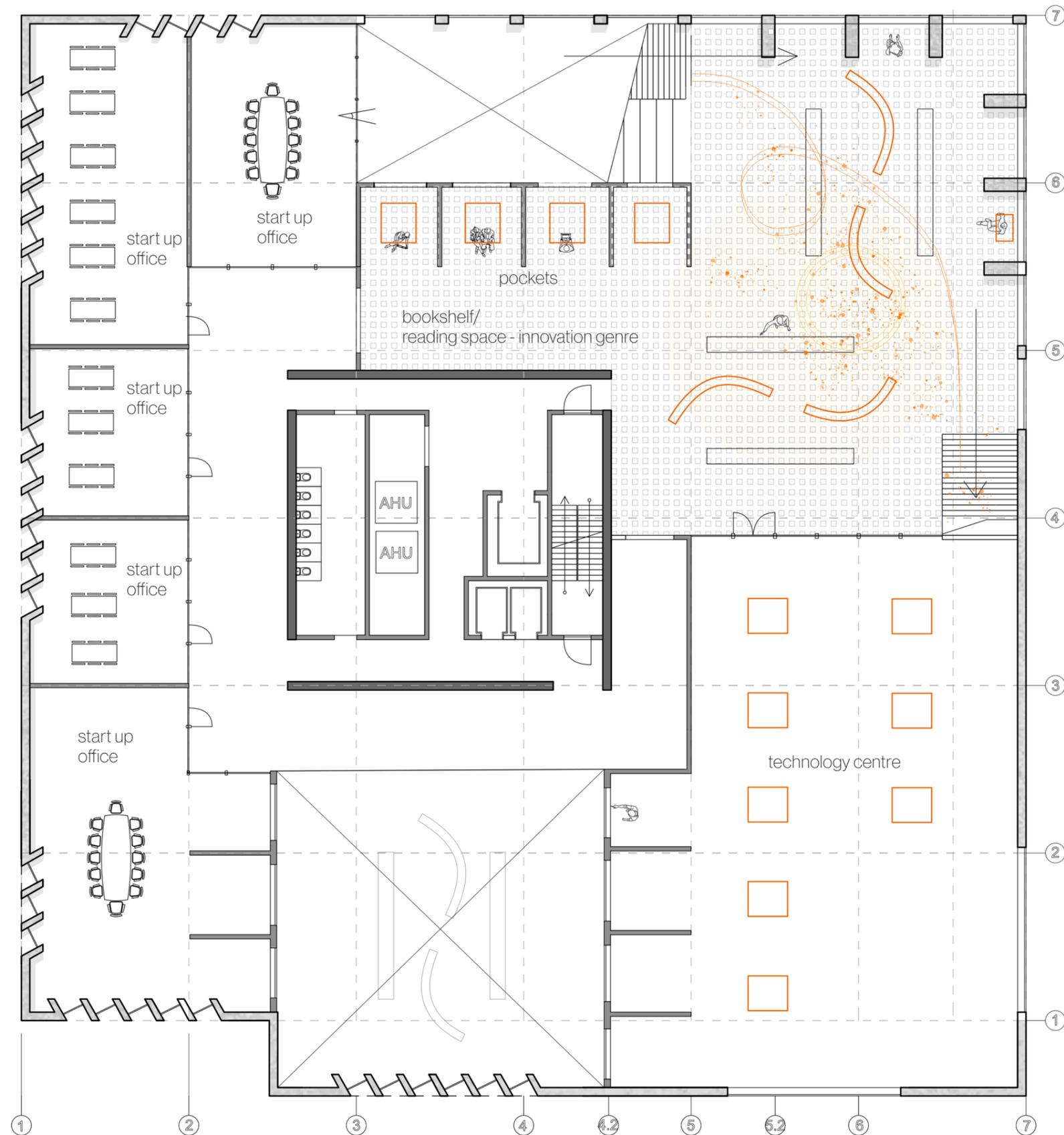
# INTERACTIVE STAIRCASES

impression



# FLOORPLAN 6th

1:200  
innovazione floor



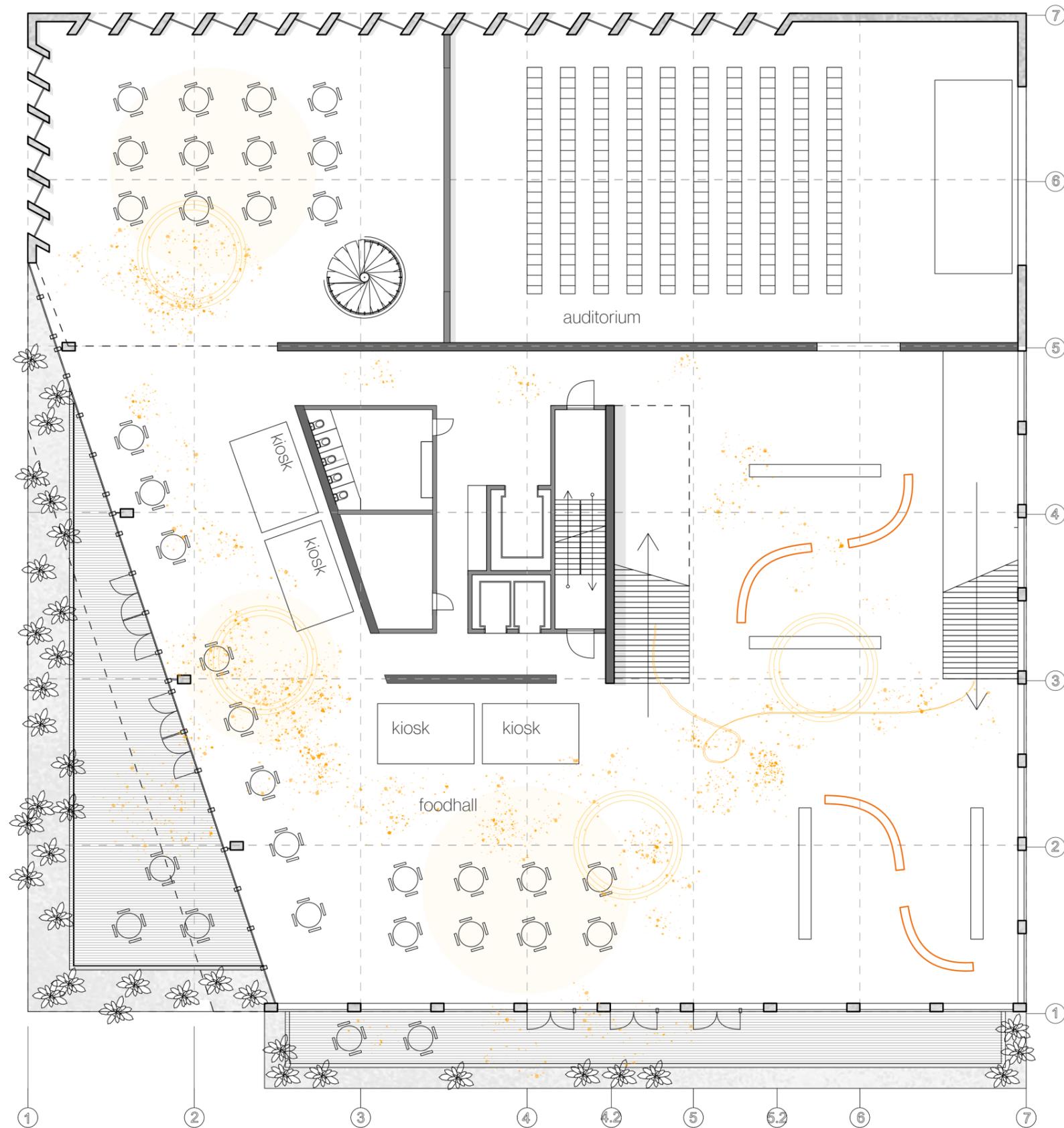
# KEY SPACE

impression central space 6th level



# FLOORPLAN 8th

1:200  
foodhall floor

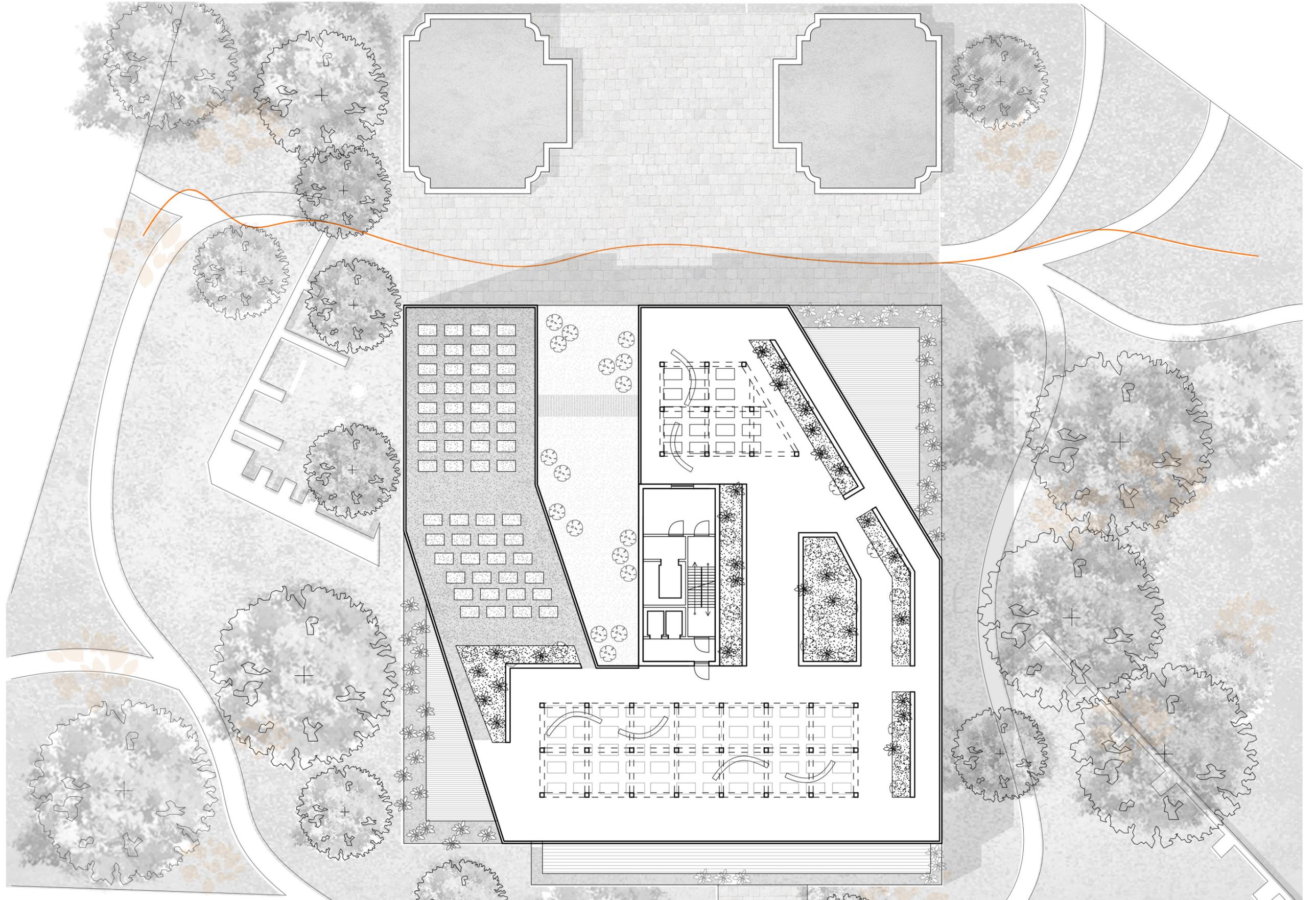


# AUDITORIUM

model 1:100



# ROOF



# 3D SECTION

model 1:100



# ELEVATIONS



**SOUTH-EAST ELEVATION**  
1:200



**SOUTH-WEST ELEVATION**  
1:200



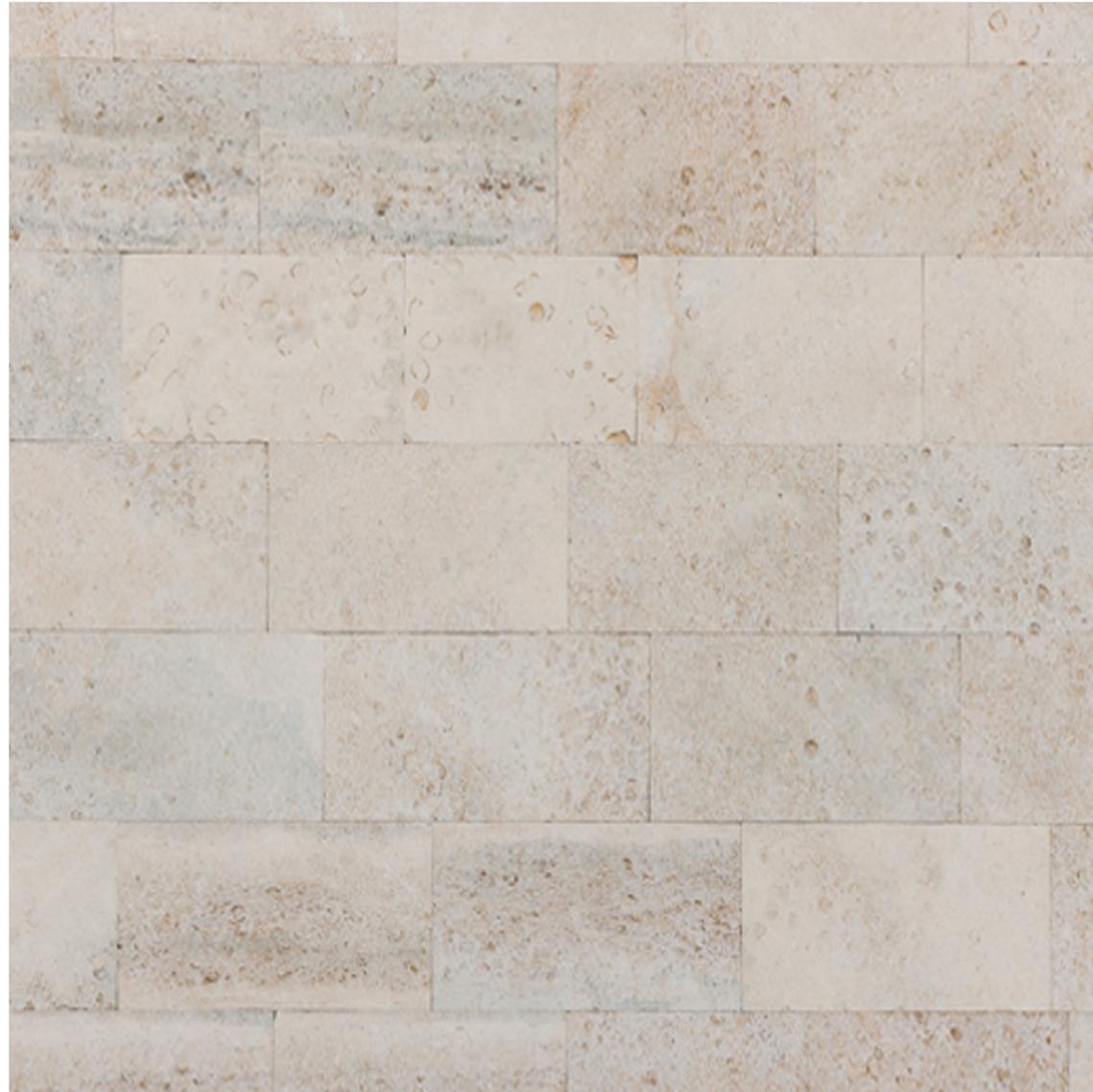
**NORTH-WEST ELEVATION**  
1:200



**NORTH-EAST ELEVATION**  
1:200

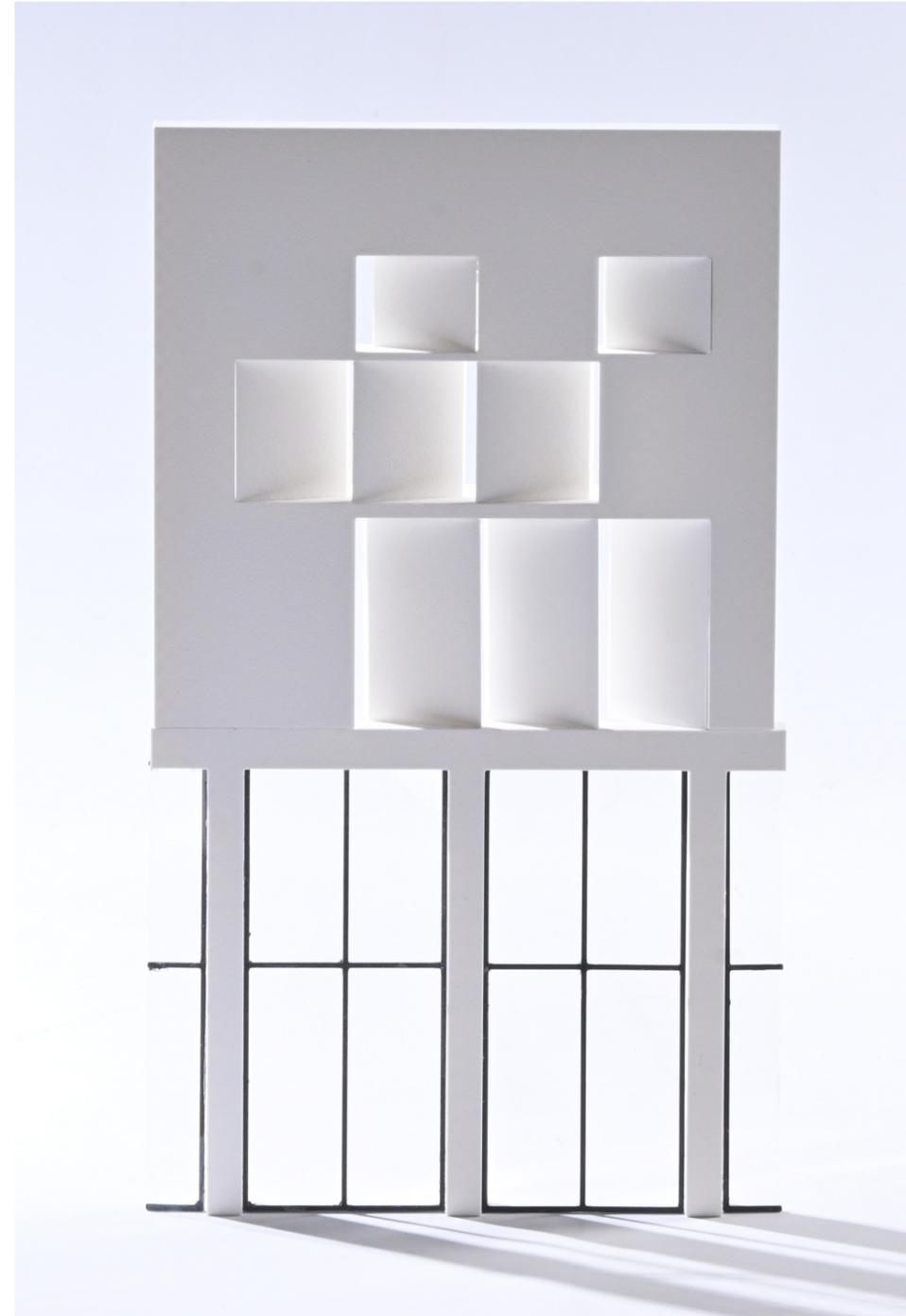
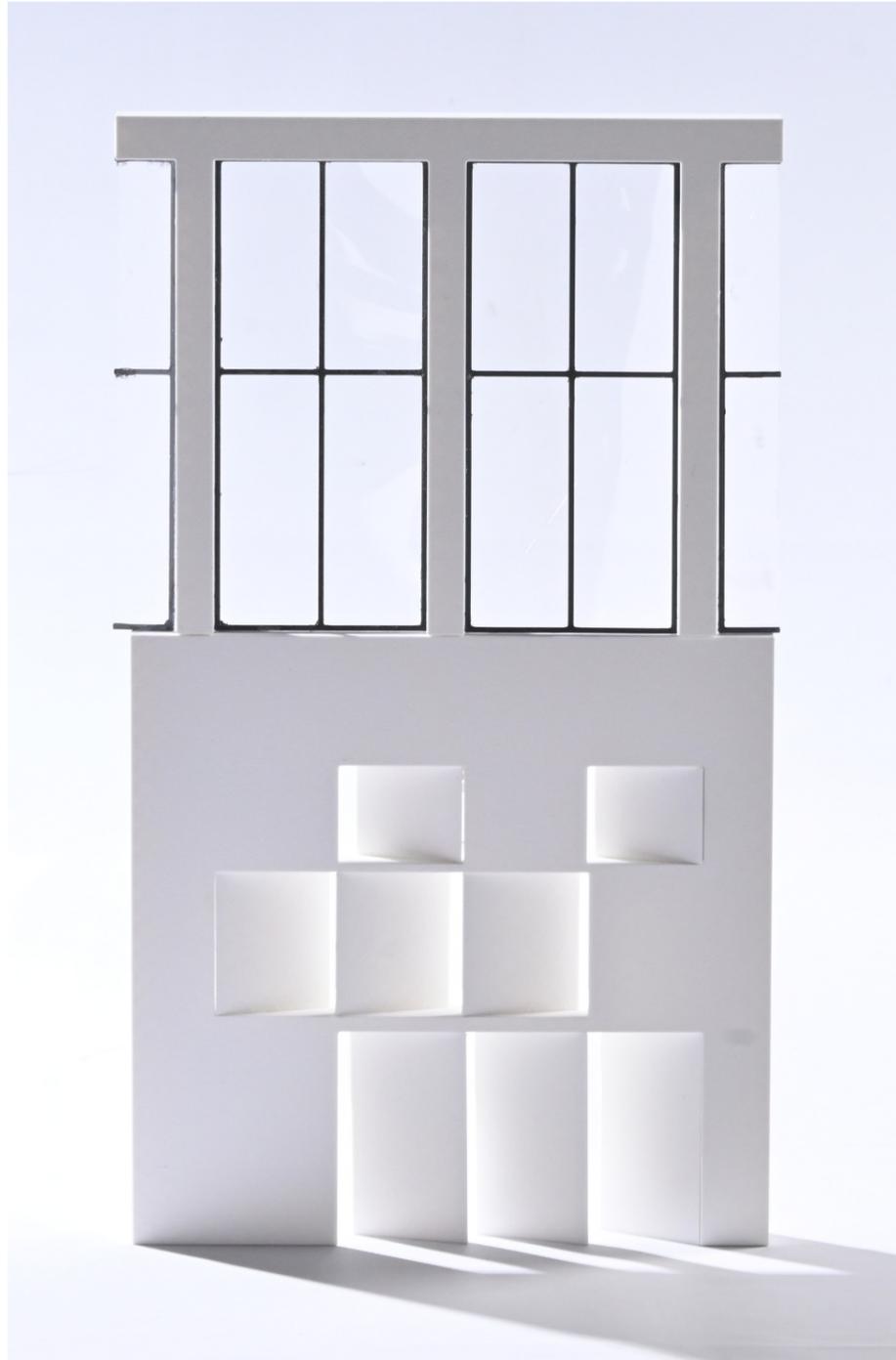
# MATERIALITY

limestone cladding



# FAÇADE

fragment model 1:50



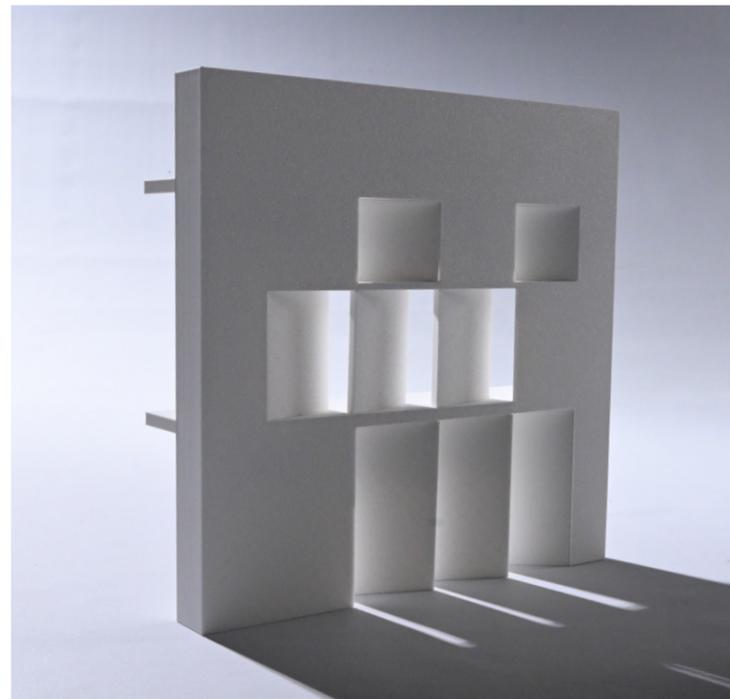
# FAÇADE

fragment model 1:20



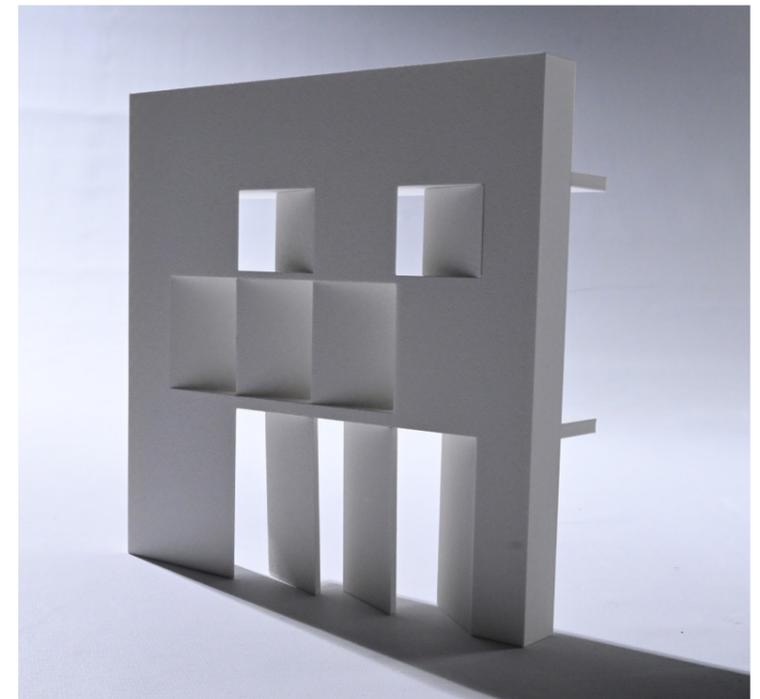
# FAÇADE

fragment model 1:20



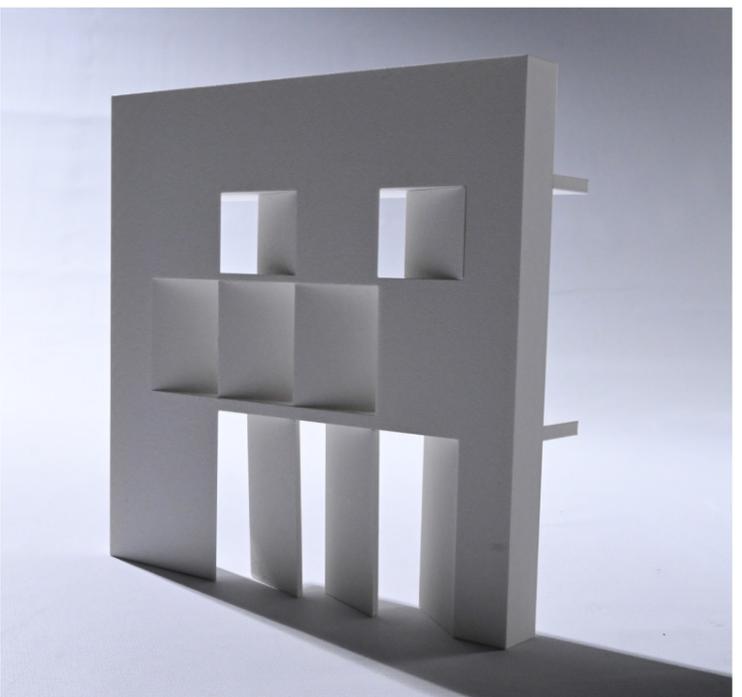
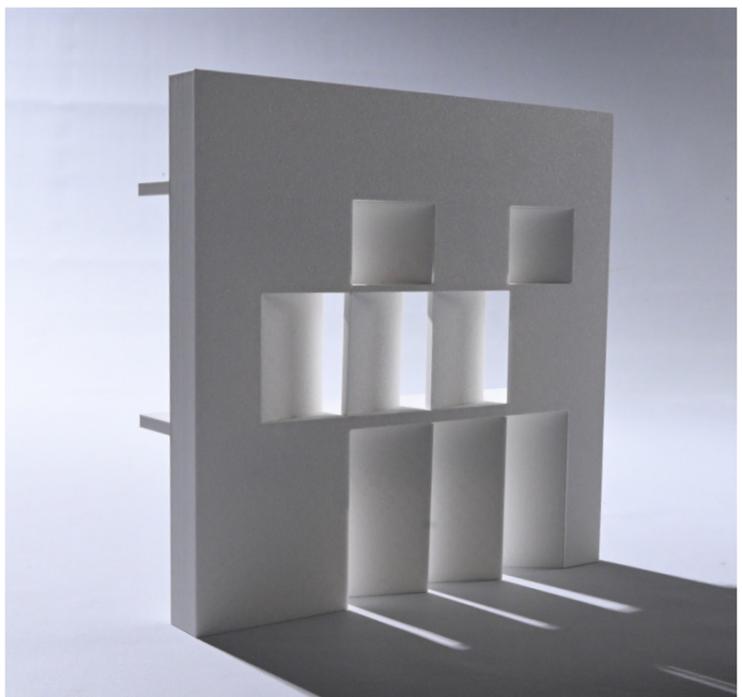
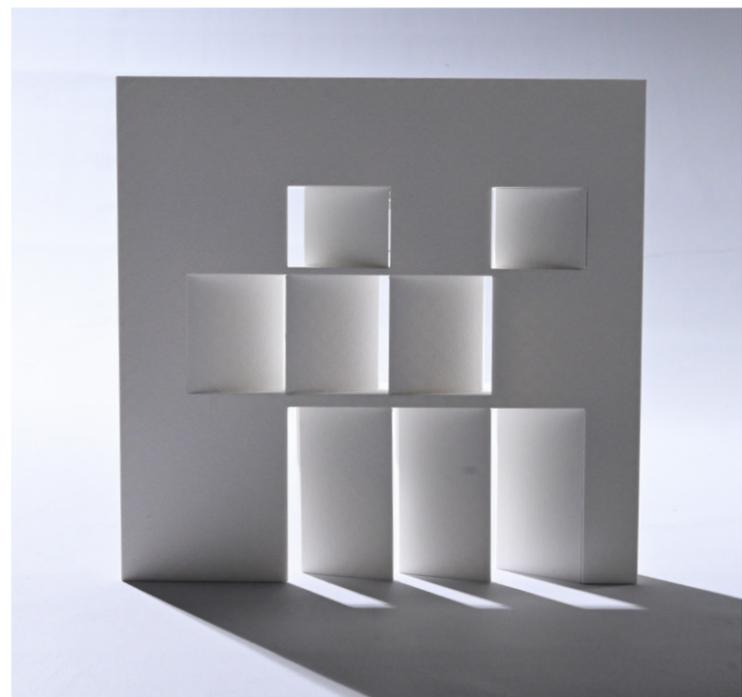
# FAÇADE

fragment model 1:20



# FAÇADE

fragment model 1:20



# PLAYFULL LIGHT EXPERIENCE

interior impression



# POCKETS BOOKSHELFS

impression



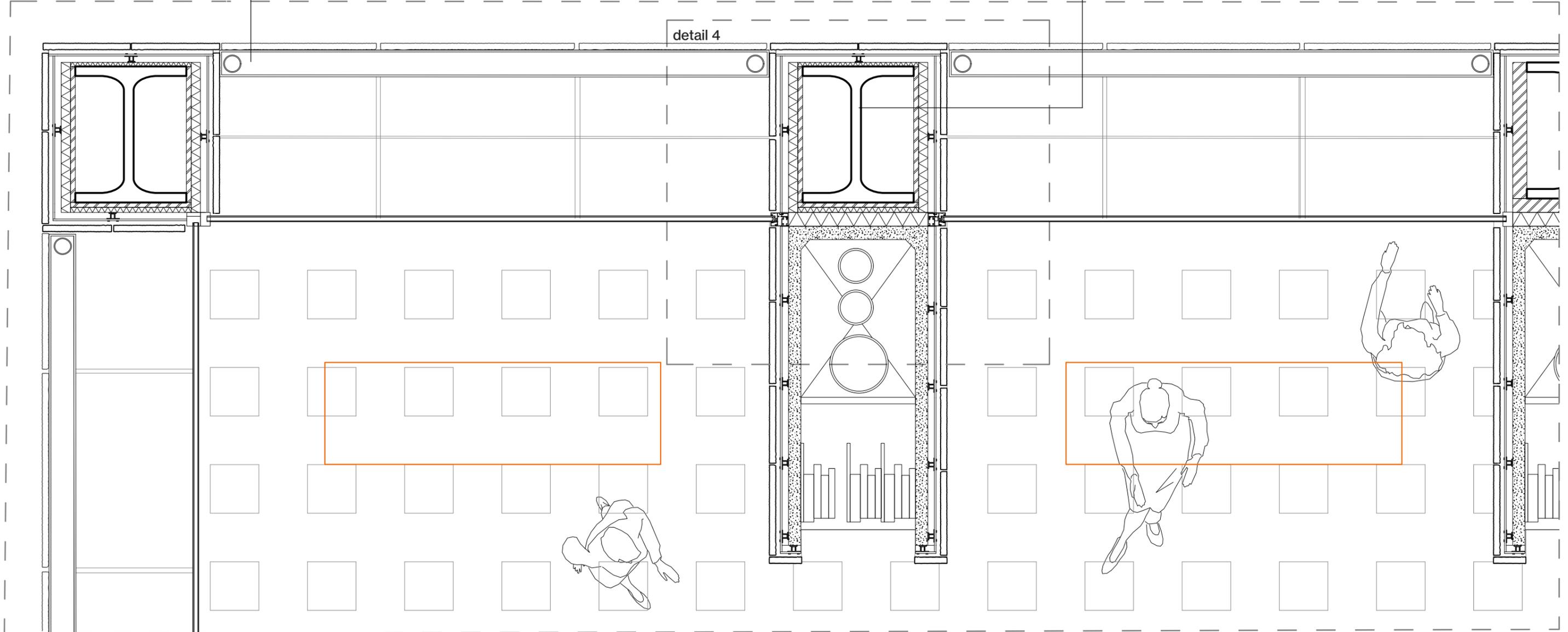
# DETAIL POCKETS 1

horizontal routing facade (1:20)

drainage gutter  
hidden

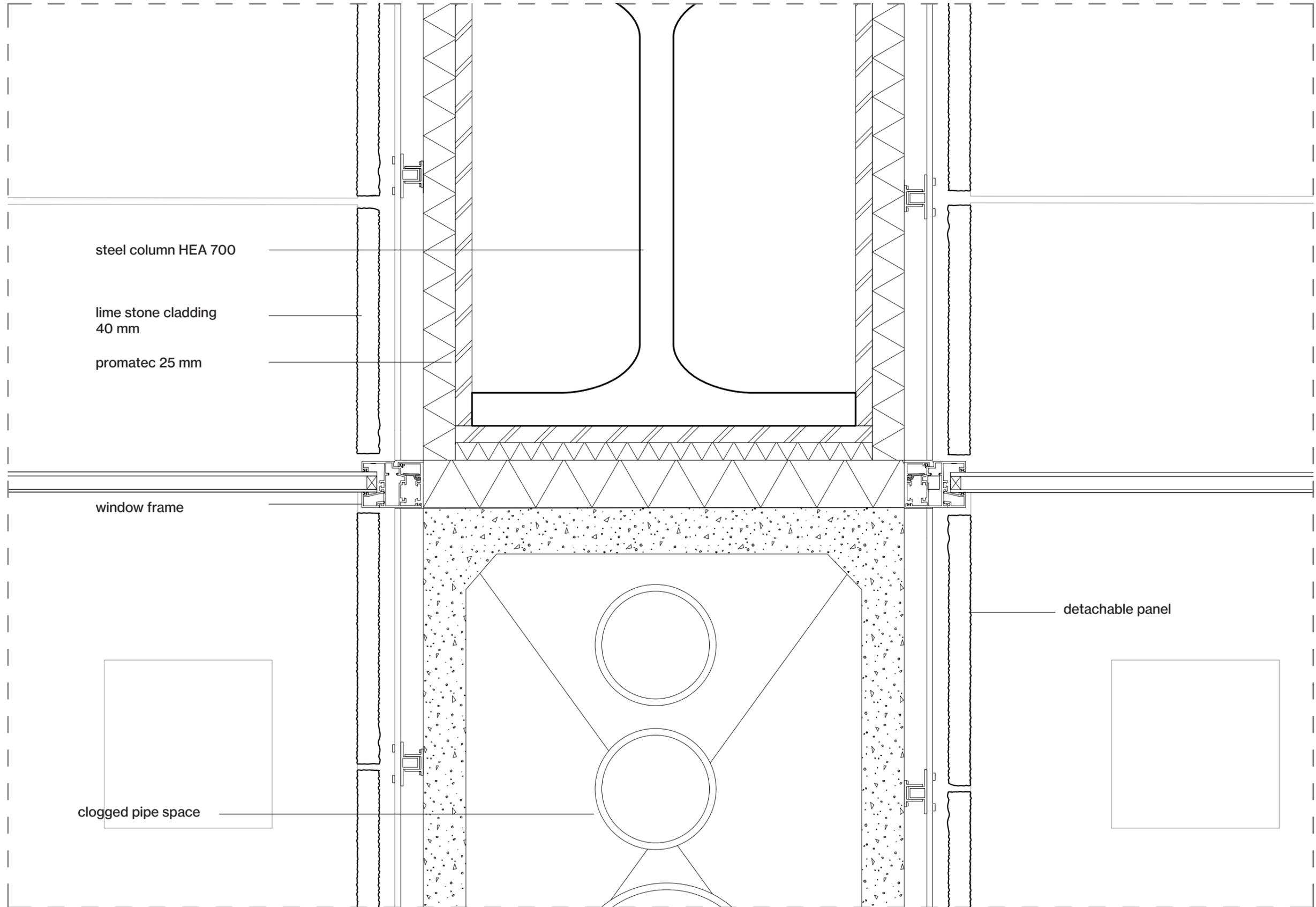
lime stone cladding 40 mm  
aluminium profile 40 mm  
ventilated space 50 mm  
mineral wool insulation 30 mm  
promatec 25 mm  
HEA 700

detail 4



# DETAIL POCKETS 1

horizontal routing facade (1:5)



steel column HEA 700

lime stone cladding  
40 mm

promatec 25 mm

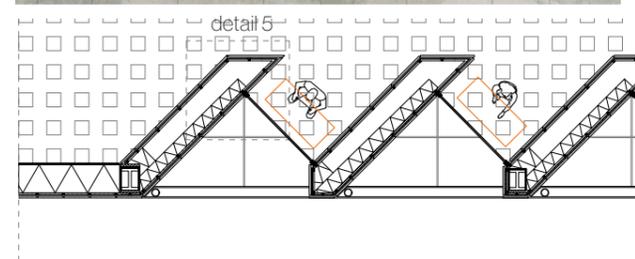
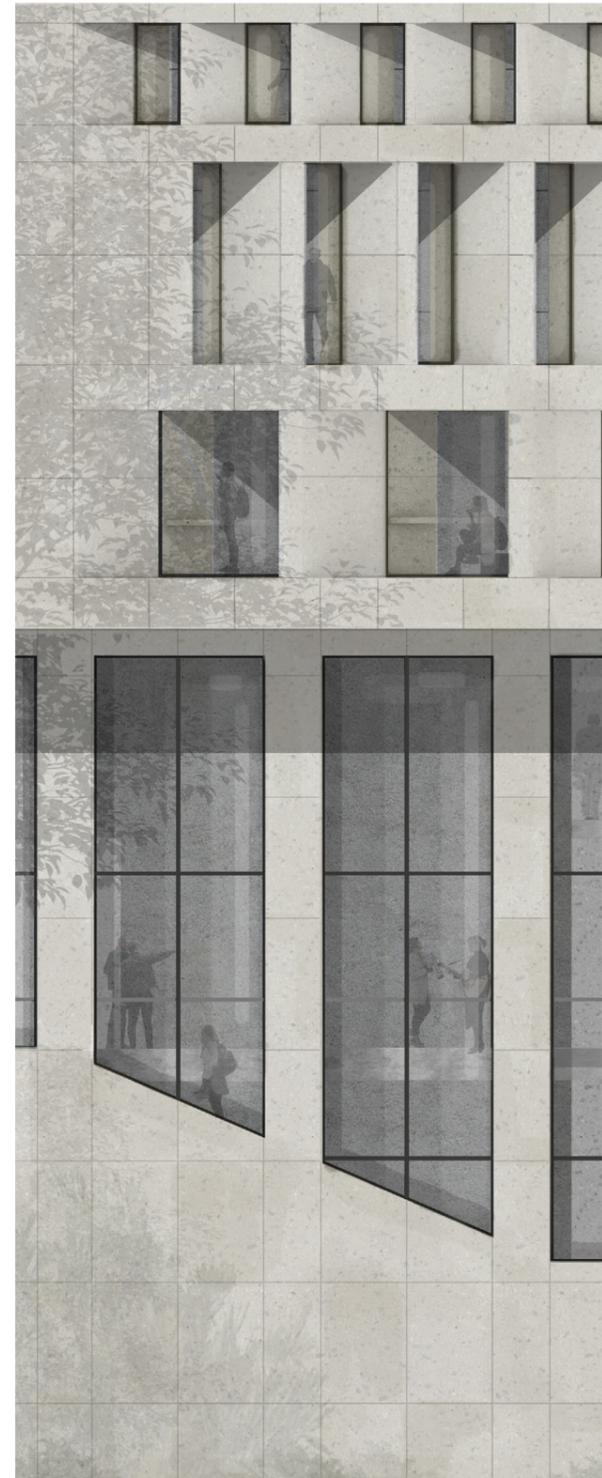
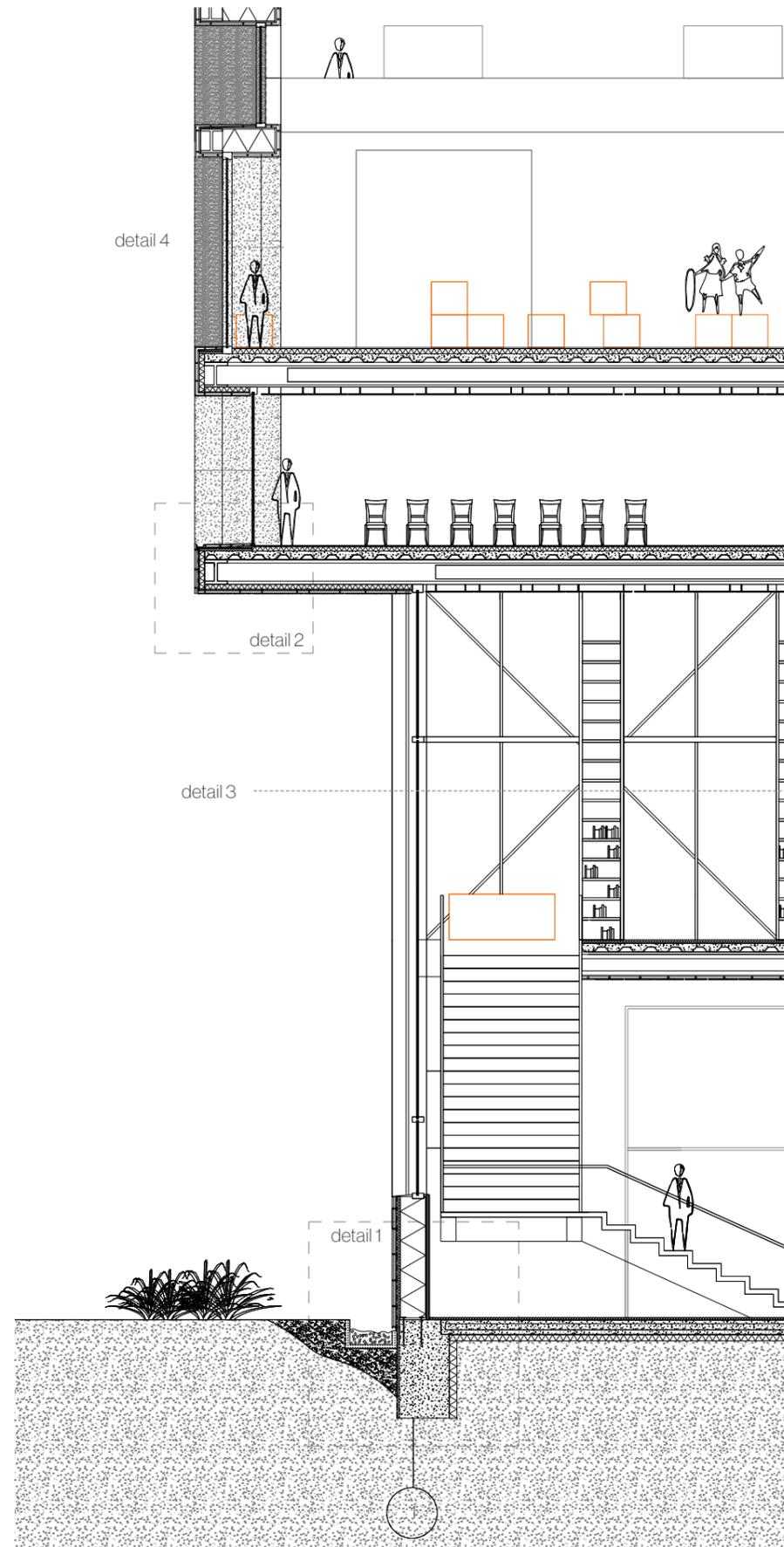
window frame

clogged pipe space

detachable panel

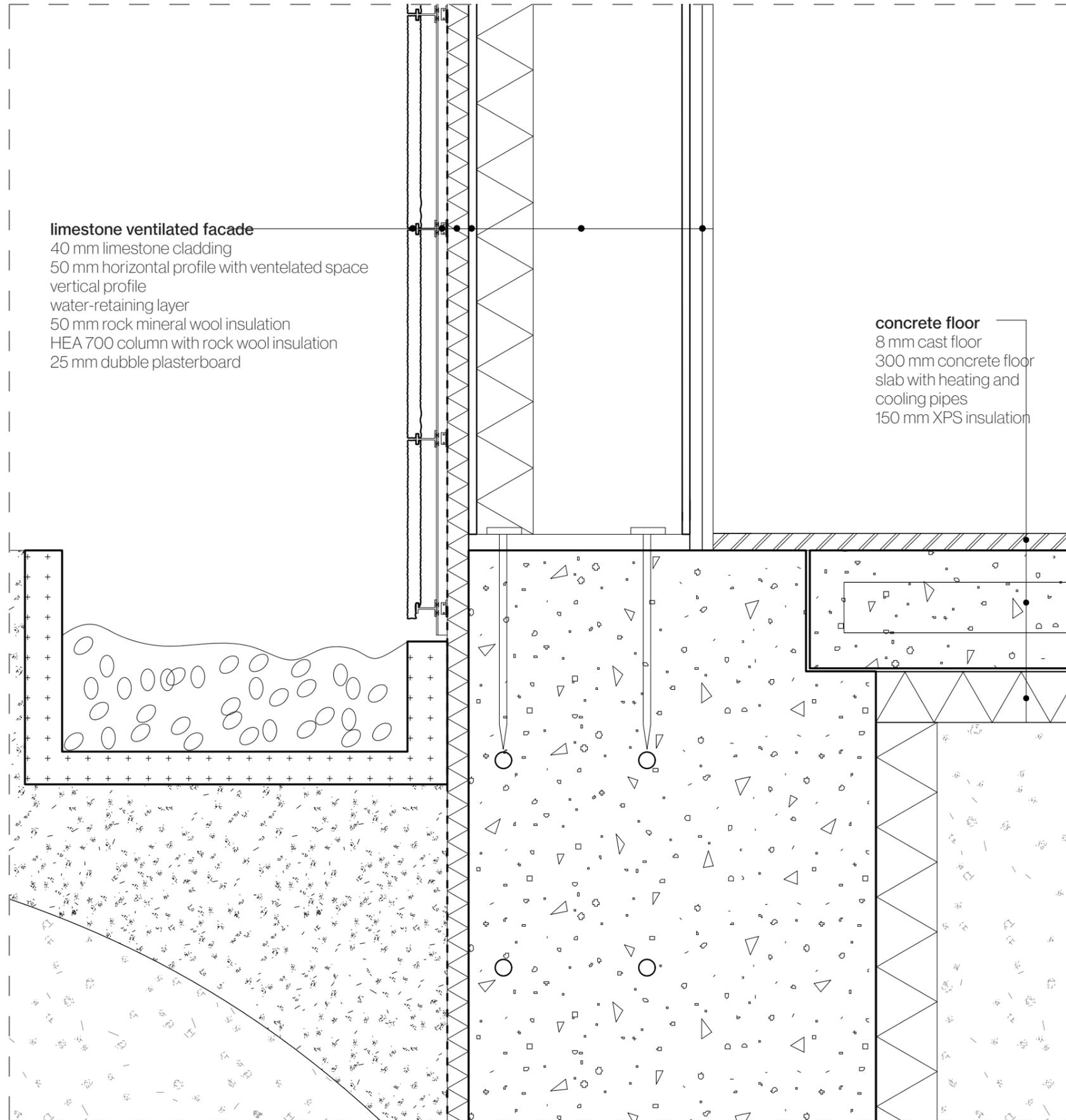
# FRAGMENT

1:20



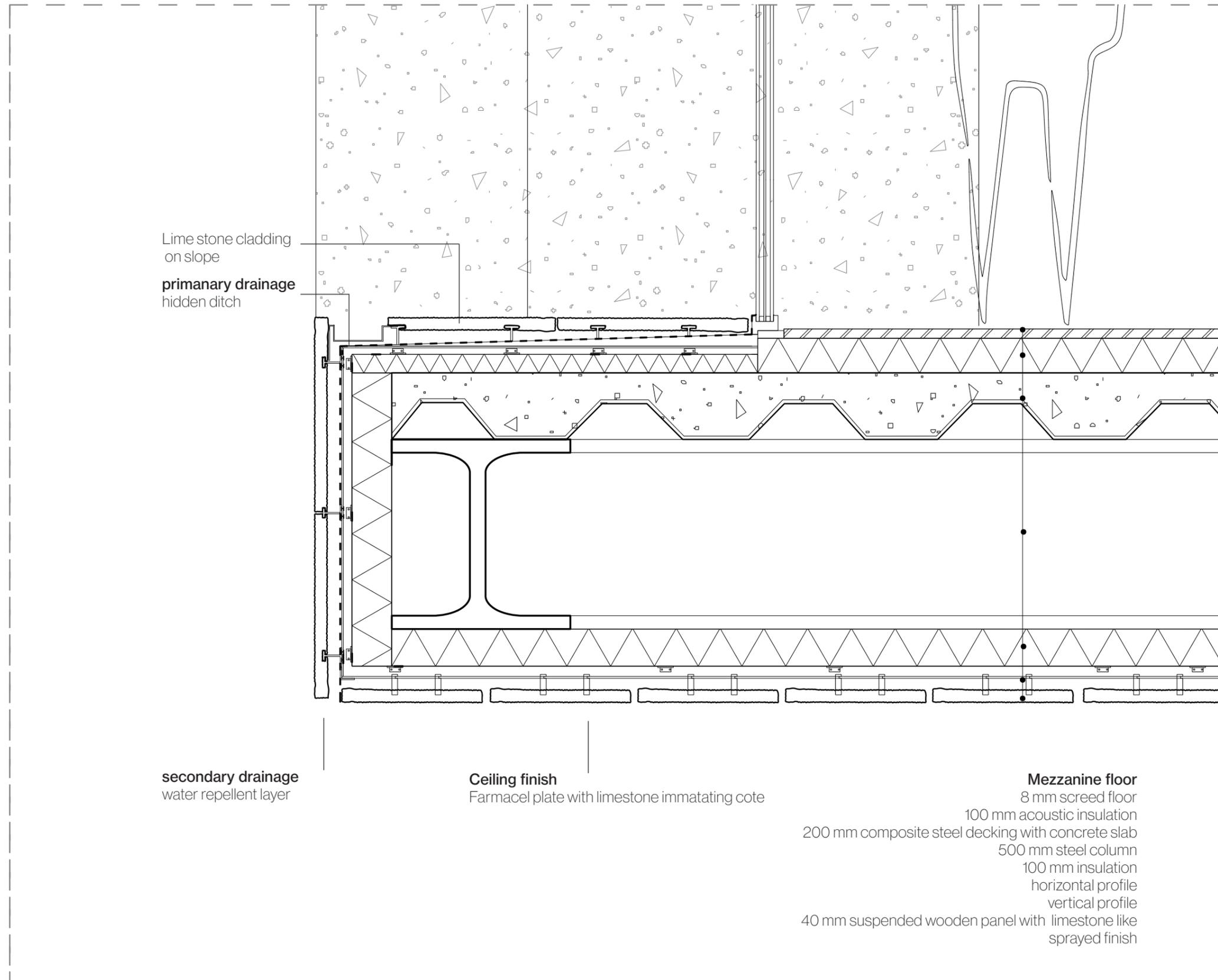
# DETAIL FOUNDATION

vertical detail (1:10)



# DETAIL MEZZANINE FLOOR

vertical detail (1:10)



Lime stone cladding  
on slope  
**primary drainage**  
hidden ditch

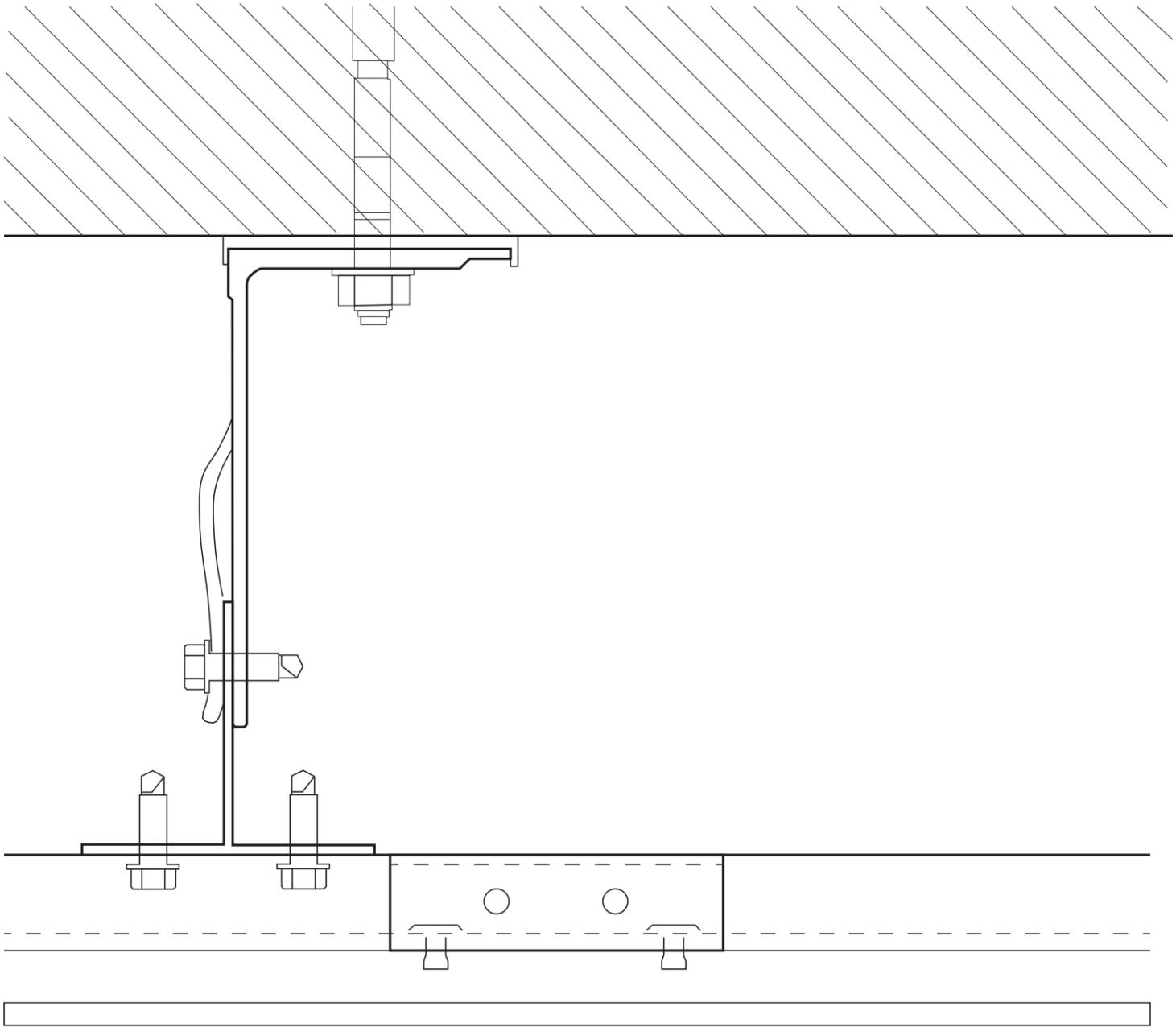
**secondary drainage**  
water repellent layer

**Ceiling finish**  
Farmacel plate with limestone imitating cote

**Mezzanine floor**  
8 mm screed floor  
100 mm acoustic insulation  
200 mm composite steel decking with concrete slab  
500 mm steel column  
100 mm insulation  
horizontal profile  
vertical profile  
40 mm suspended wooden panel with limestone like  
sprayed finish

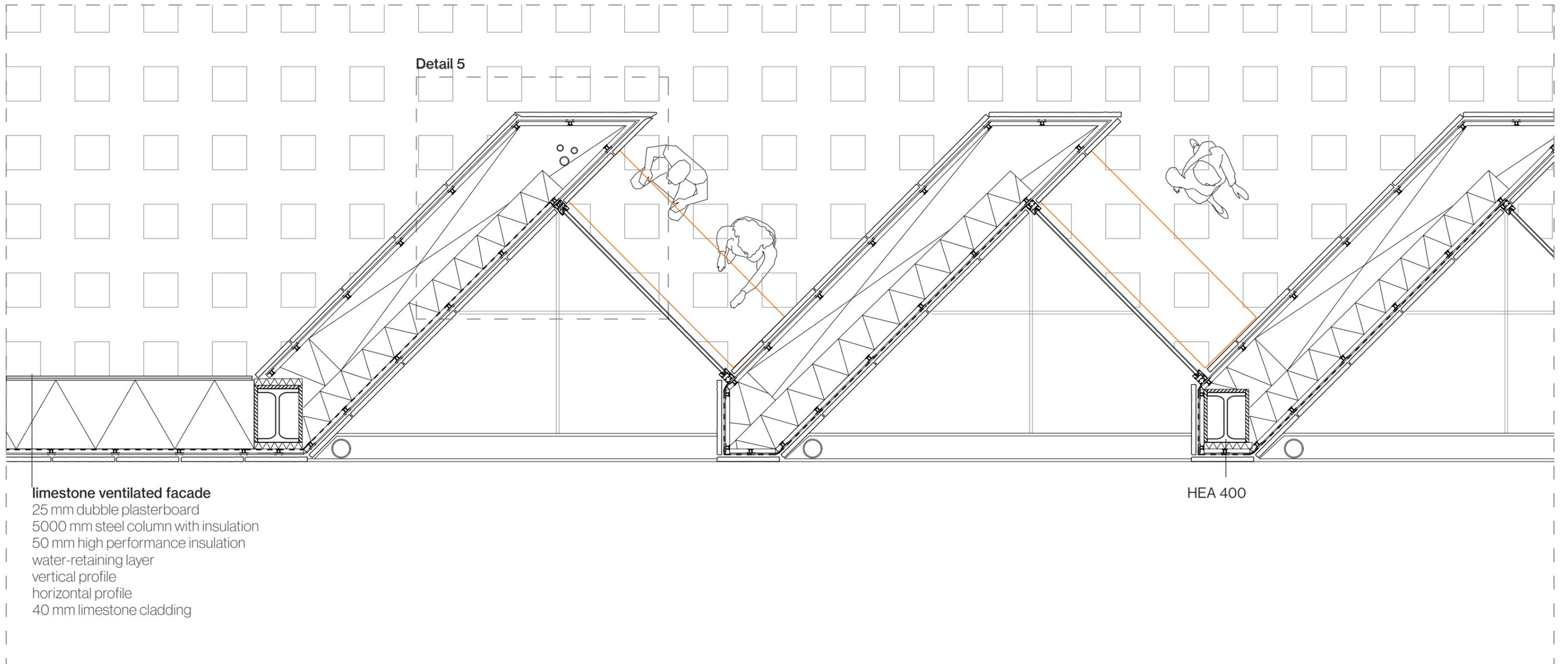
# LIMESTONE CEILING

vertical detail



# DETAIL POCKETS 2

horizontal detail (1:20)



Detail 5

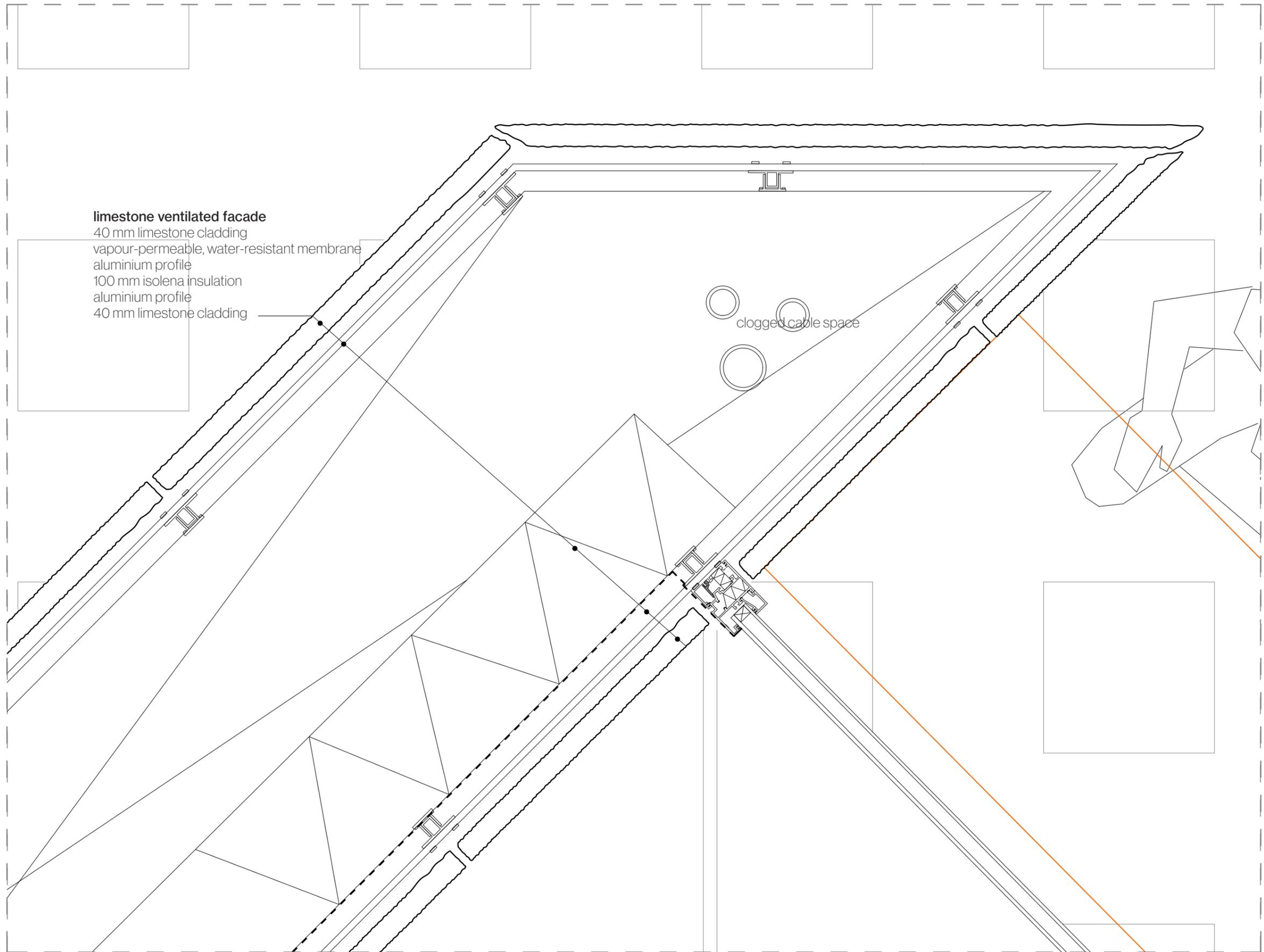
**limestone ventilated facade**

- 25 mm double plasterboard
- 5000 mm steel column with insulation
- 50 mm high performance insulation
- water-retaining layer
- vertical profile
- horizontal profile
- 40 mm limestone cladding

HEA 400

# DETAIL POCKETS 2

horizontal detail (1:5)



**limestone ventilated facade**

- 40 mm limestone cladding
- vapour-permeable, water-resistant membrane
- aluminium profile
- 100 mm isolena insulation
- aluminium profile
- 40 mm limestone cladding

clogged cable space

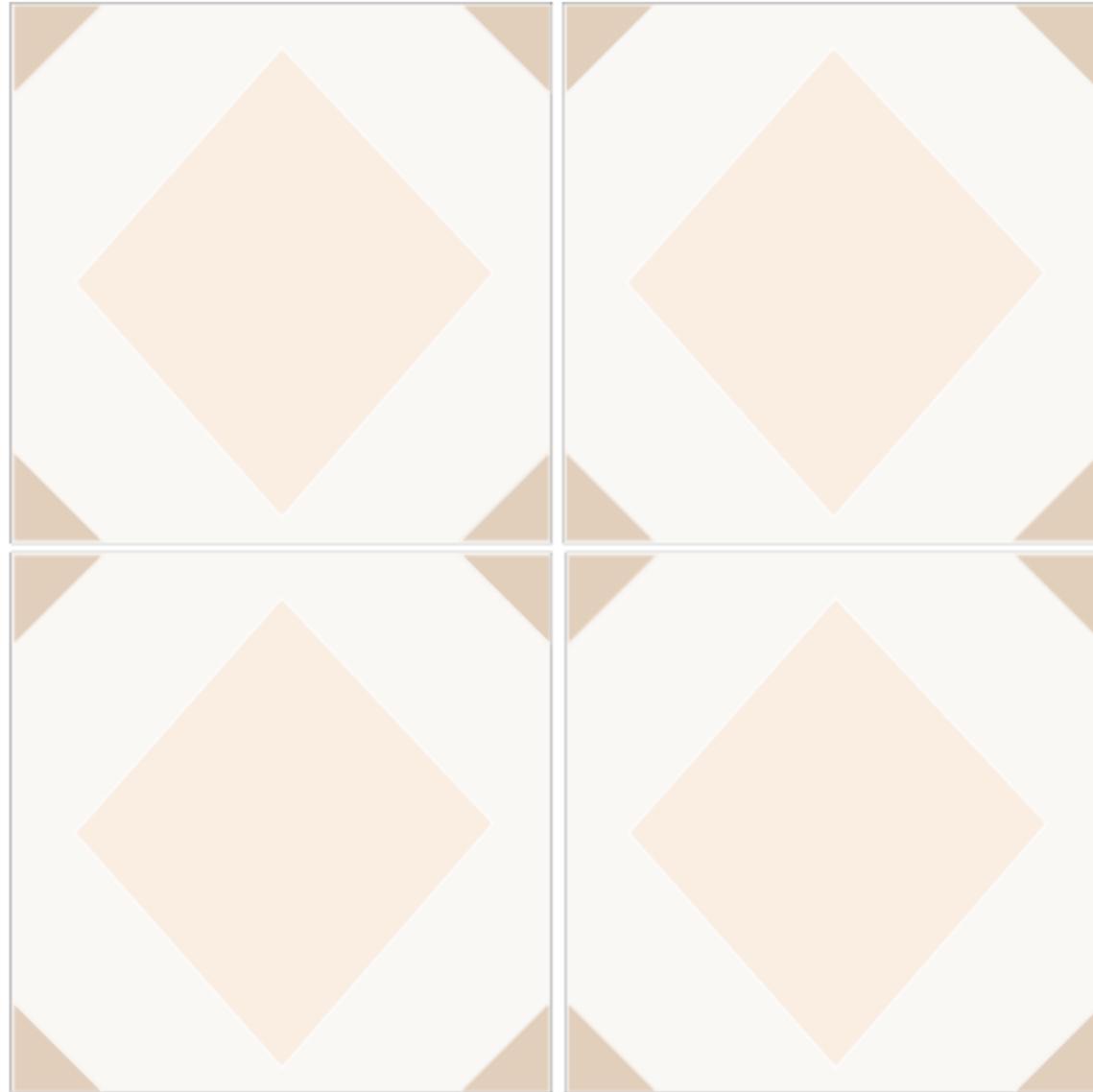
# FAÇADE POCKETS

interior impression



# MATERIALITY

tile pattern



# SECTION 2

(1:100)

**12**  
roof terrace /solar panels

**10/11**  
archive learning spaces

**8/9**  
restaurant  
auditorium

**7**  
start up offices  
tech centre

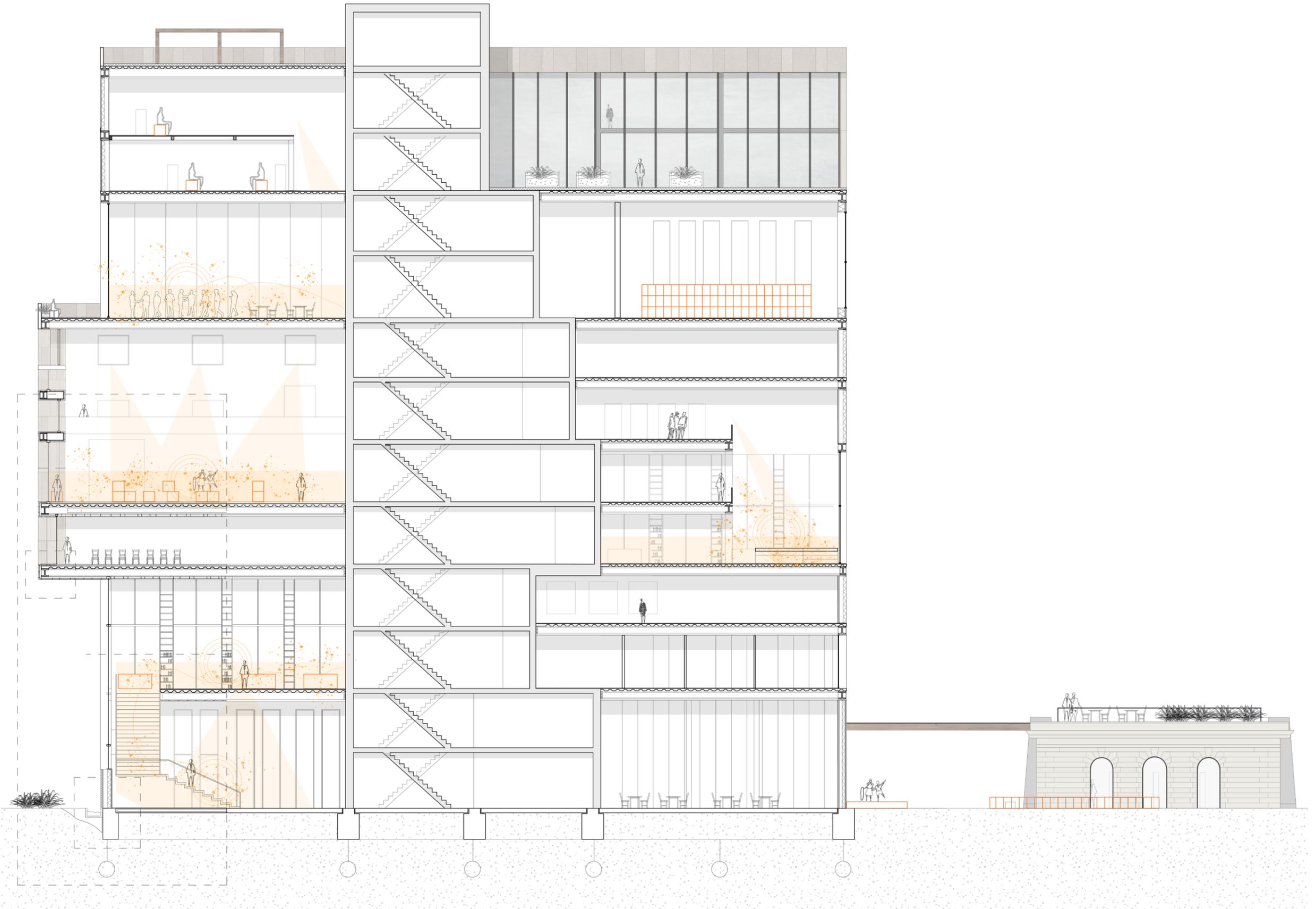
**5/6**  
main museum hall  
workshop spaces art  
collaboration space

**4**  
studio spaces dance

**3**  
offices museum/ library  
art workshops

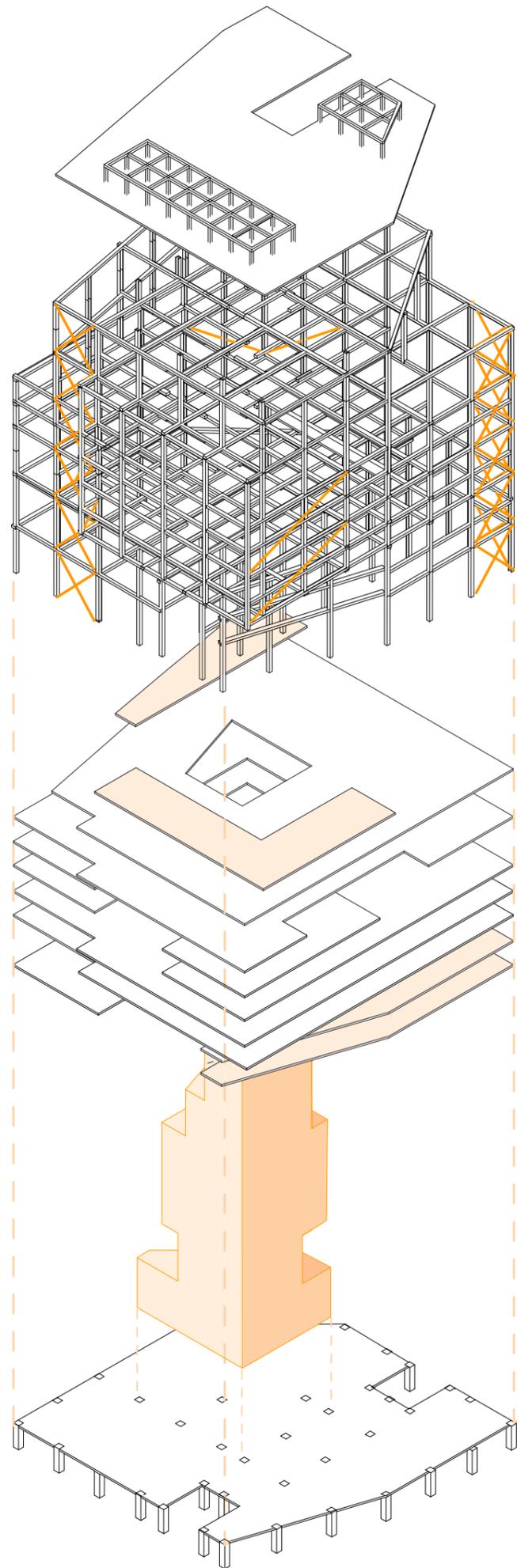
**2**  
offices  
studio's music

**GF/1**  
cafe, bookstore, entrance  
info desk, feltrinelli collection



# AXONOMETRIC

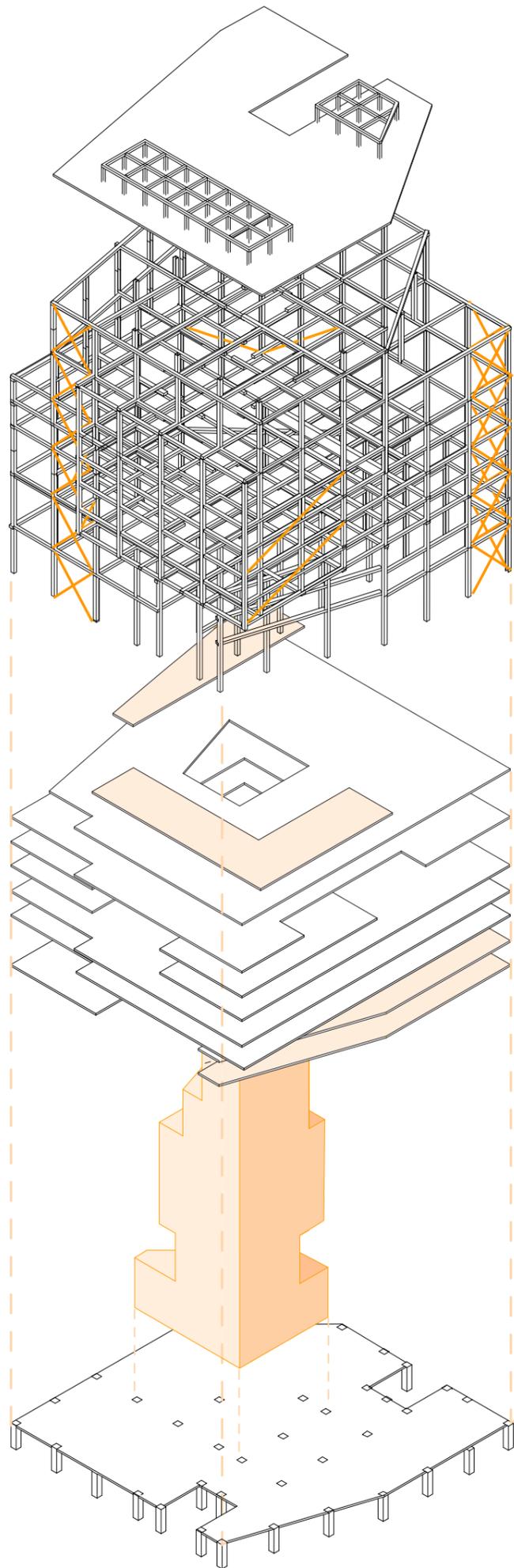
construction



**Foundation**  
The ground floor consists of a cast-in-place concrete slab supported by a pile foundation system

# AXONOMETRIC

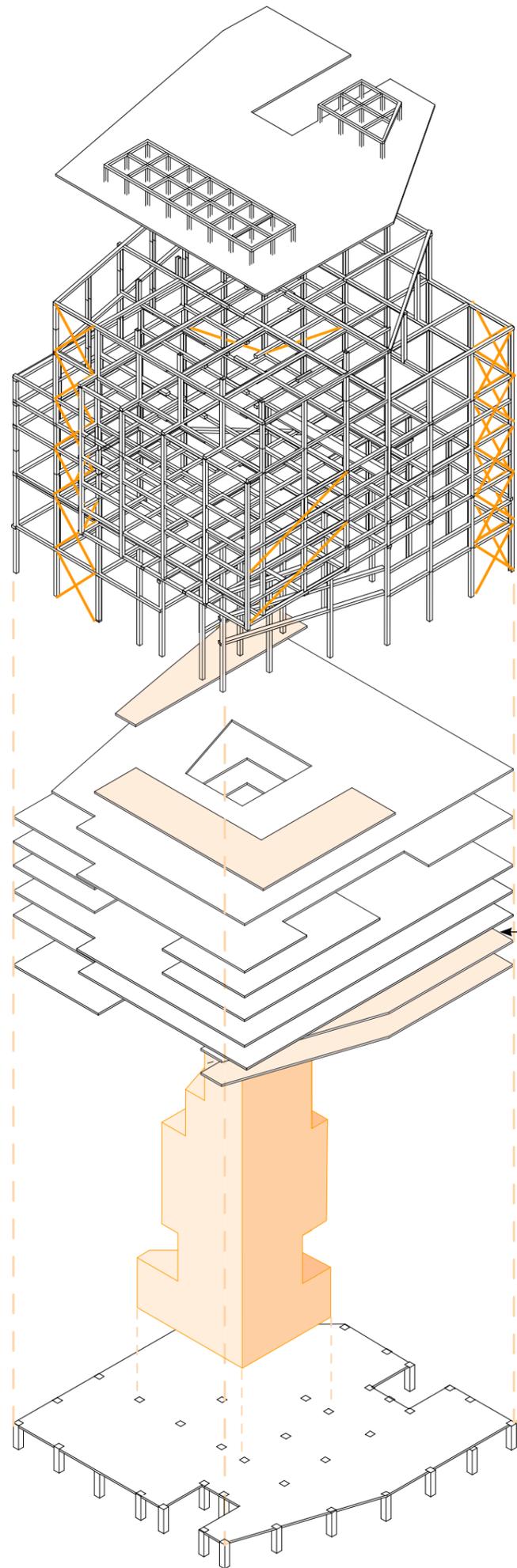
construction



**Core**  
A rigid in-situ cast concrete core provides structural stability and functionality

Foundation  
The ground floor consists of a cast-in-place concrete slab supported by a pile foundation system

# AXONOMETRIC construction



## Floors

The composite steel deck floor is anchored to both the steel structural frame and the reinforced-concrete core. By eliminating internal columns, the design provides full interior flexibility and adaptability.

Lighter structure wooden floors, add to flexibility

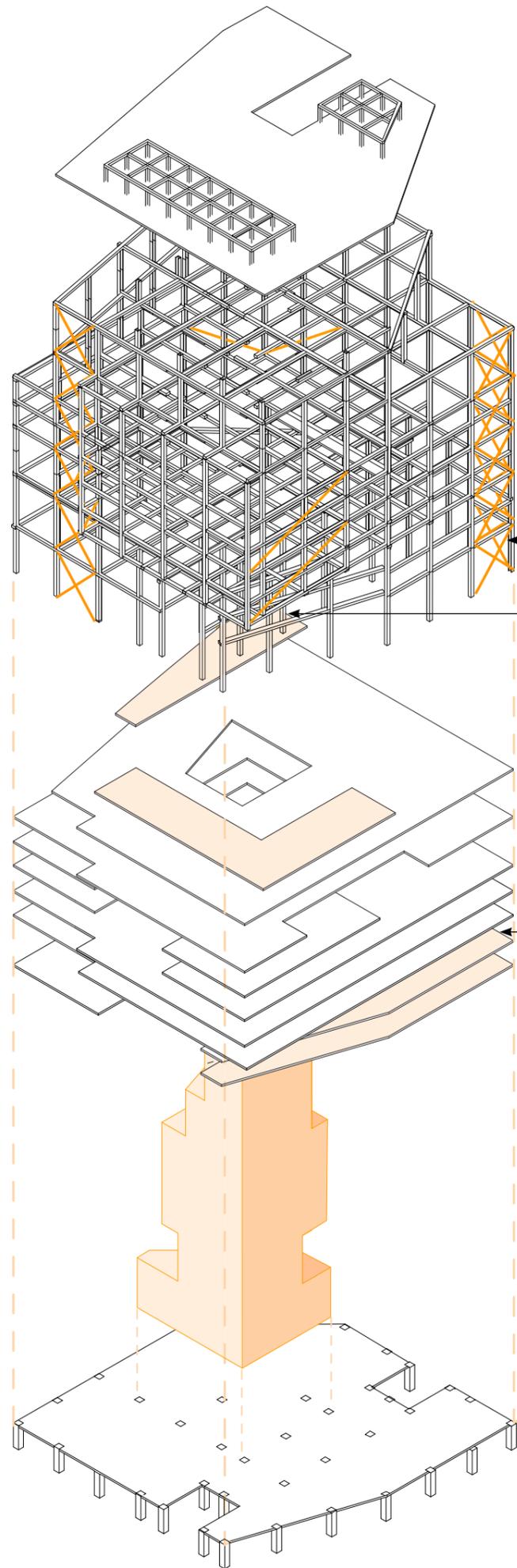
## Core

A rigid in-situ cast concrete core provides structural stability and functionality

## Foundation

The ground floor consists of a cast-in-place concrete slab supported by a pile foundation system

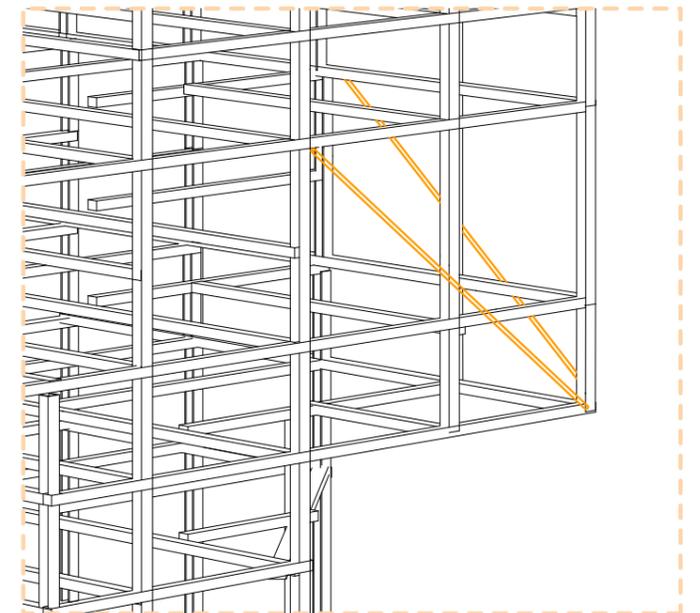
# AXONOMETRIC construction



**Steel structure**  
HEA 700/HEA 400 columns  
The steel structure, in combination with the concrete core, carries the roof and floor slabs

Wind bracing is applied to provide lateral stability to the structure.

Hung cantilevered structures



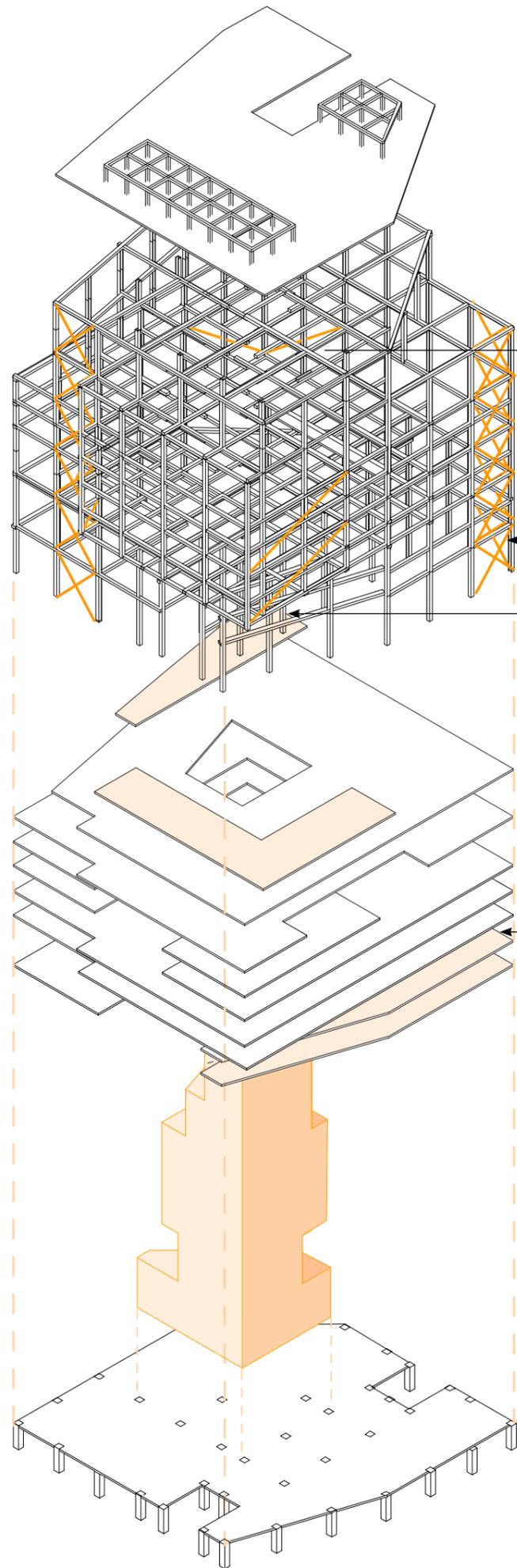
Floors  
The composite steel deck floor is anchored to both the steel structural frame and the reinforced-concrete core. By eliminating internal columns, the design provides full interior flexibility and adaptability.

Lighter structure wooden floors, add to flexibility

Core  
A rigid in-situ cast concrete core provides structural stability and functionality

Foundation  
The ground floor consists of a cast-in-place concrete slab supported by a pile foundation system

# AXONOMETRIC construction

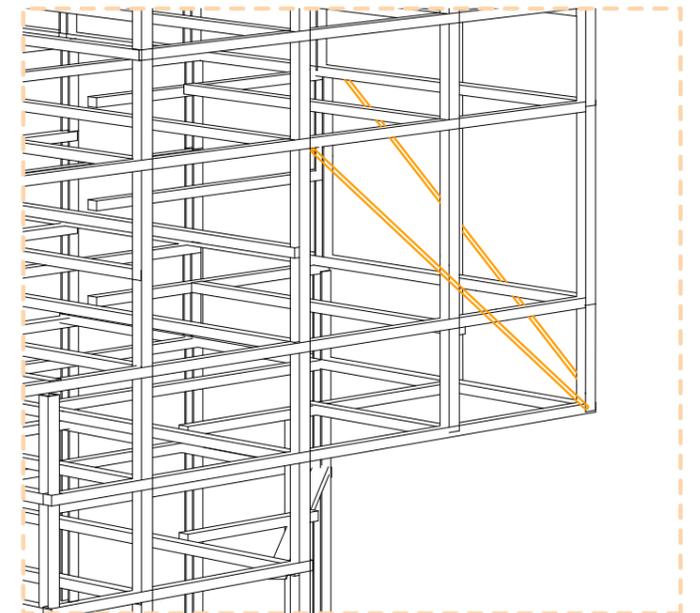


## Roof Composite steel-concrete deck roof with external pergola structure

Steel structure  
HEA 700/HEA 400 columns  
The steel structure, in combination with the concrete core, carries the roof and floor slabs

Wind bracing is applied to provide lateral stability to the structure.

Hung cantilevered structures



Floors  
The composite steel deck floor is anchored to both the steel structural frame and the reinforced-concrete core. By eliminating internal columns, the design provides full interior flexibility and adaptability.

Lighter structure wooden floors, add to flexibility

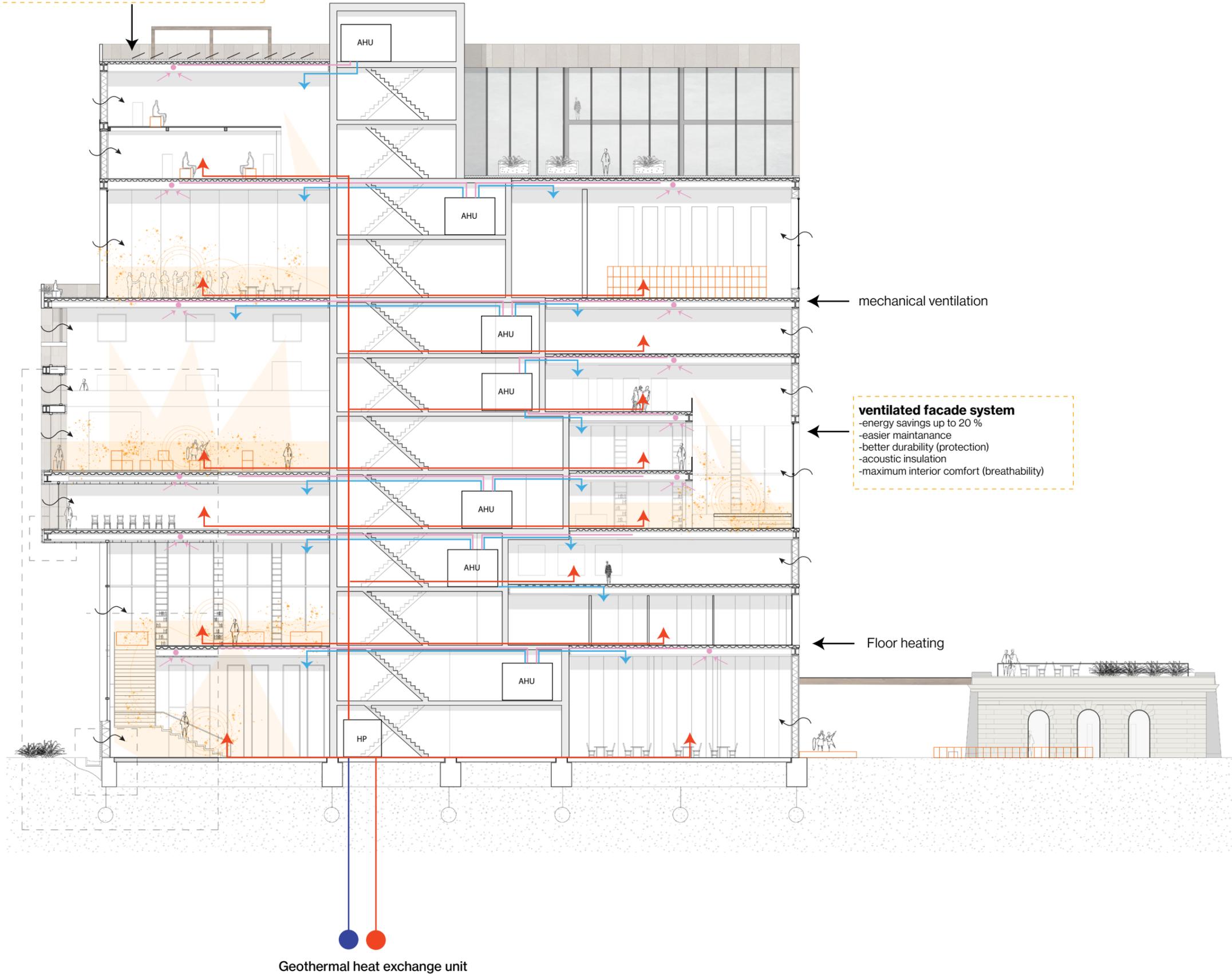
Core  
A rigid in-situ cast concrete core provides structural stability and functionality

Foundation  
The ground floor consists of a cast-in-place concrete slab supported by a pile foundation system

# CLIMATE DIAGRAM

Winter

**Green roof with solar panels**  
70% of roof cover in high performance solar panels  
~800 panels  
~399.8 MWh/year



mechanical ventilation

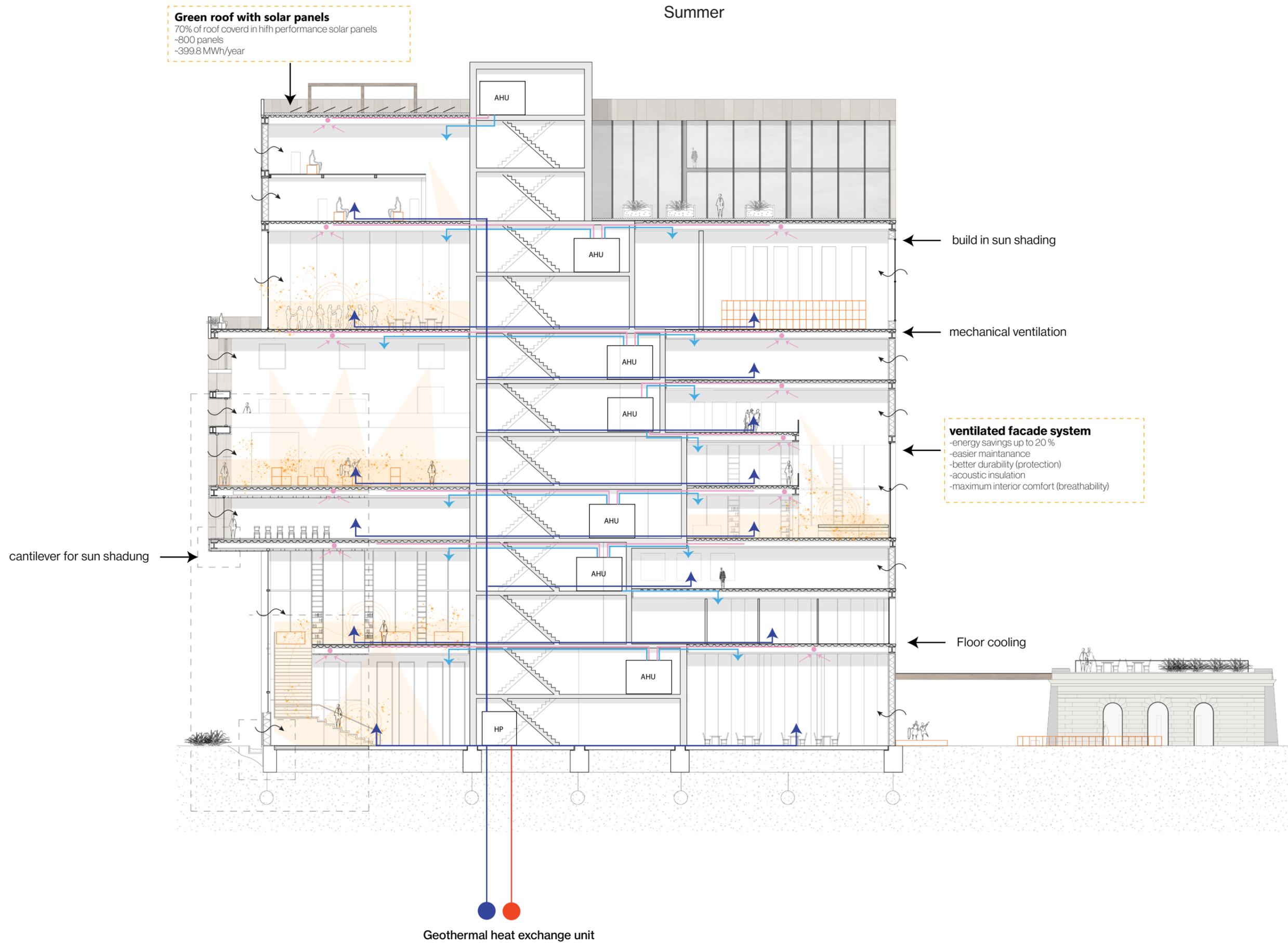
**ventilated facade system**  
-energy savings up to 20 %  
-easier maintenance  
-better durability (protection)  
-acoustic insulation  
-maximum interior comfort (breathability)

Floor heating

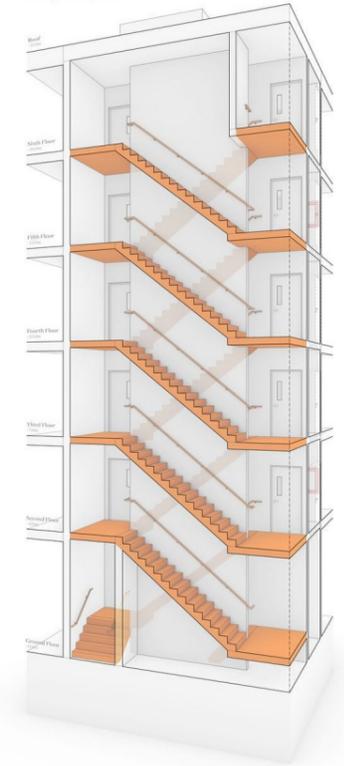
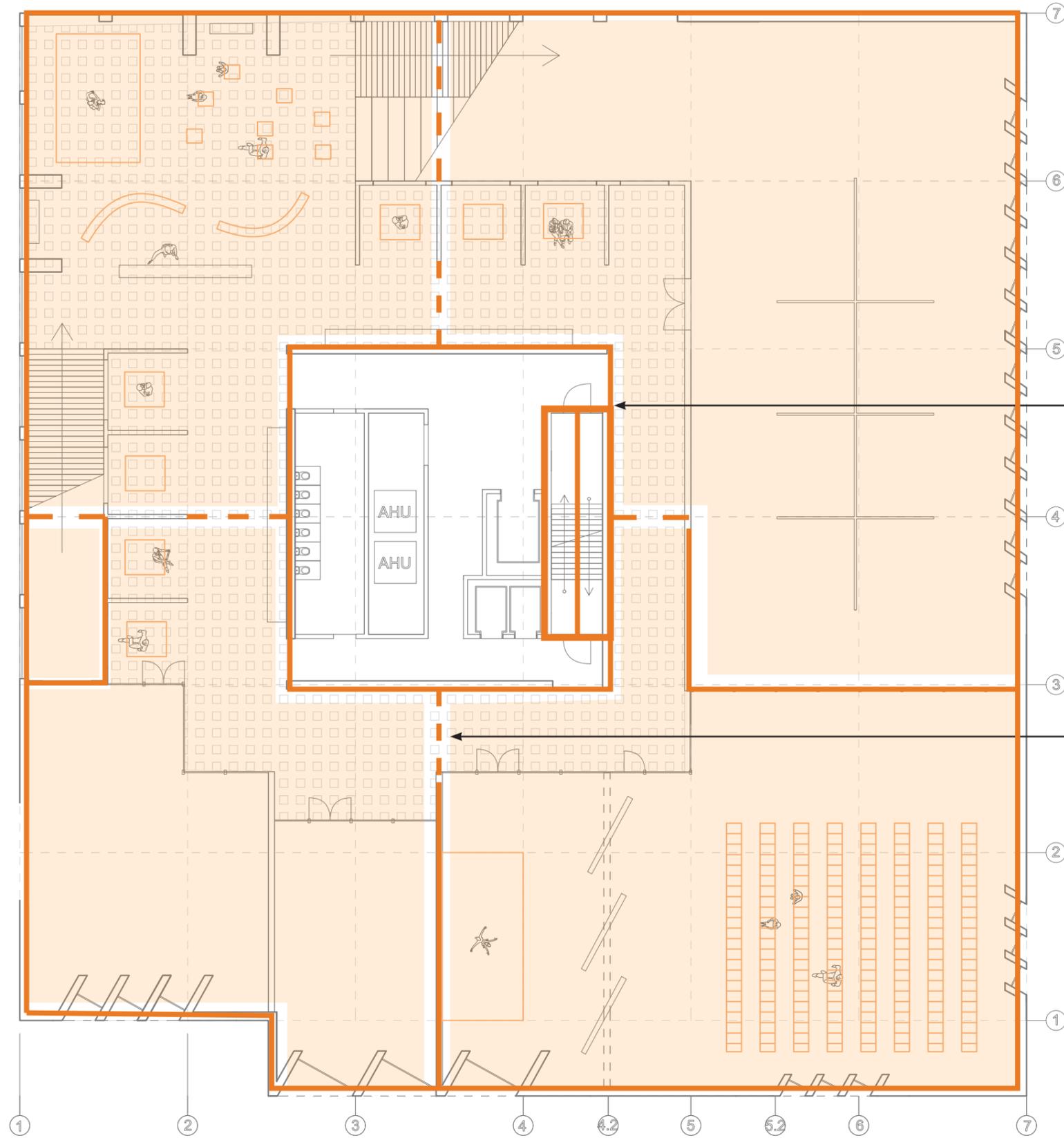
Geothermal heat exchange unit

# CLIMATE DIAGRAM

Summer



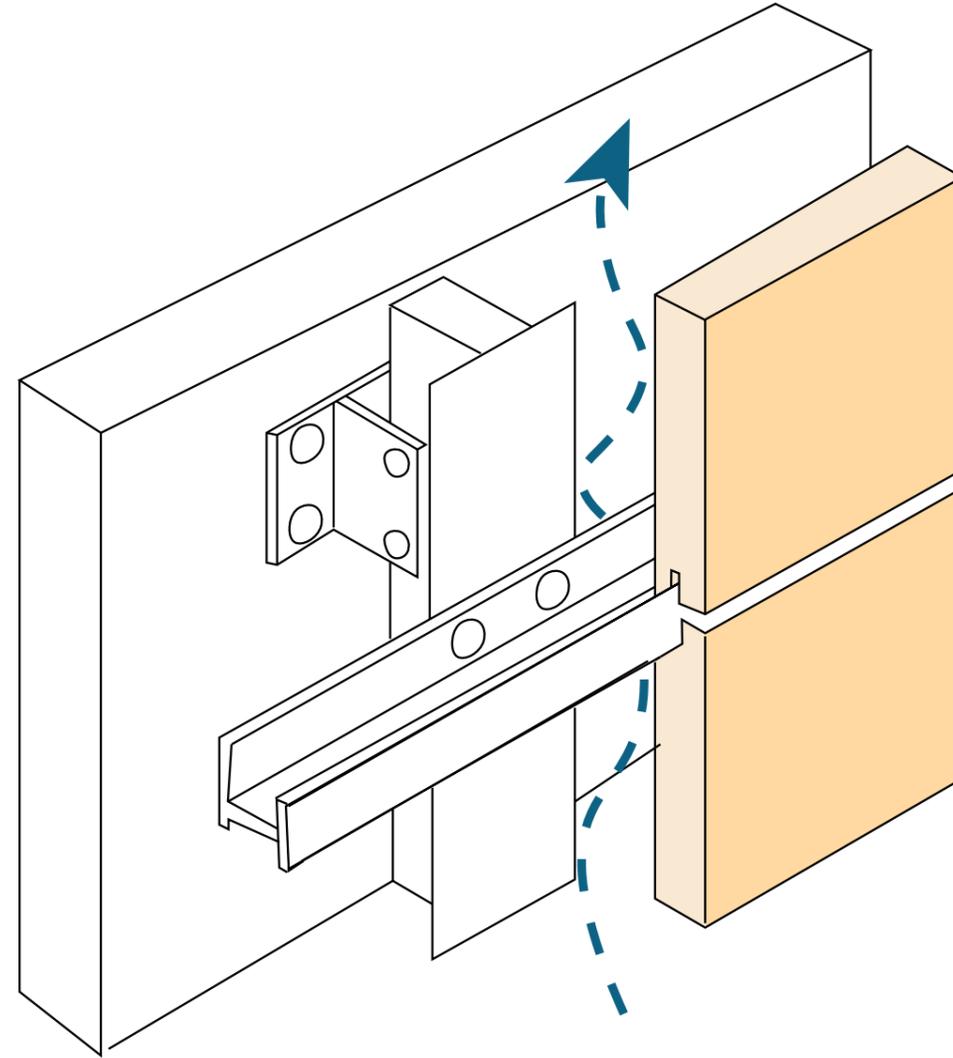
# FIRE SAFETY PLAN



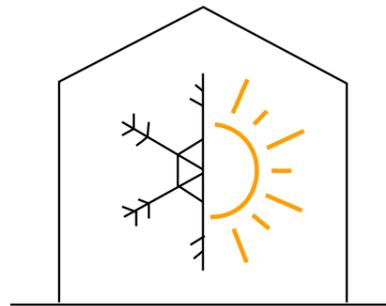
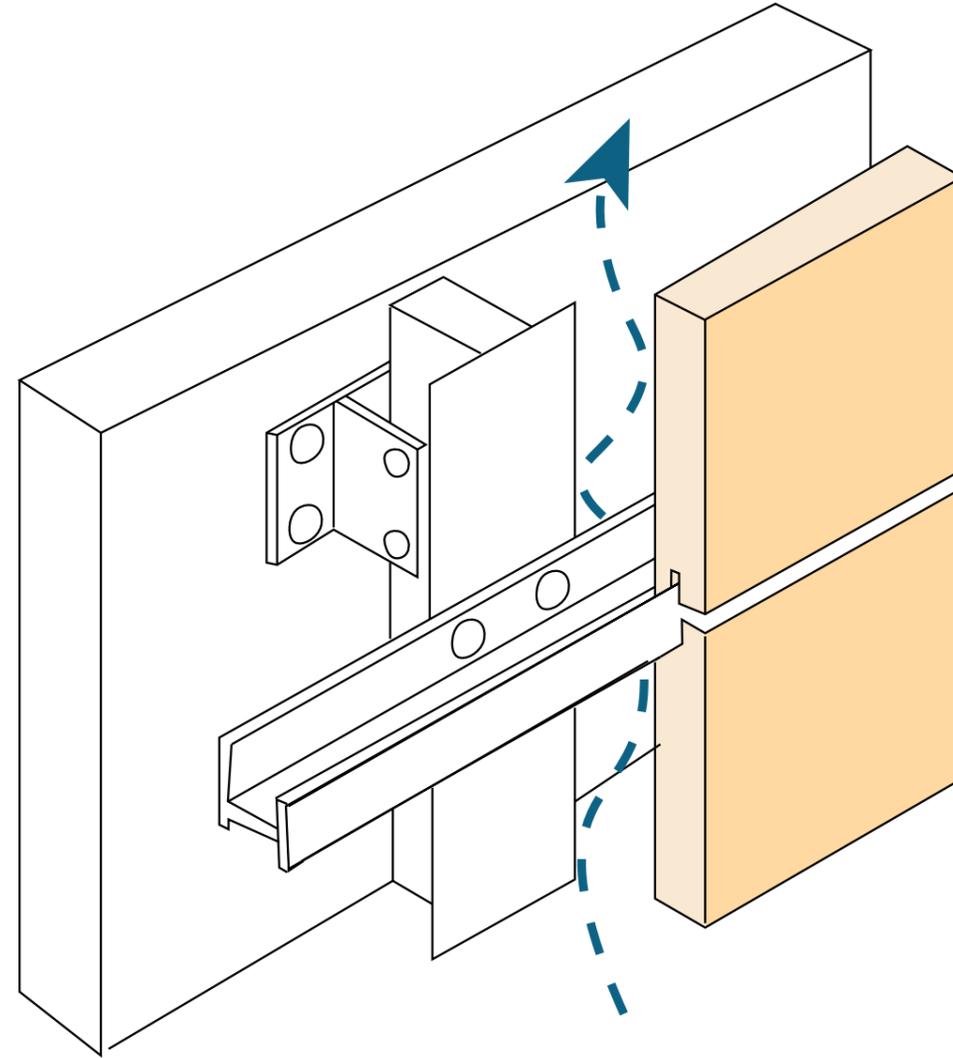
scissor stairs  
escape routing

smoke curtains

# VENTILATED FACADE

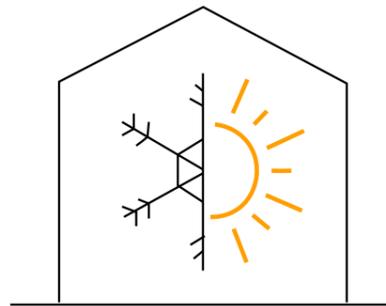
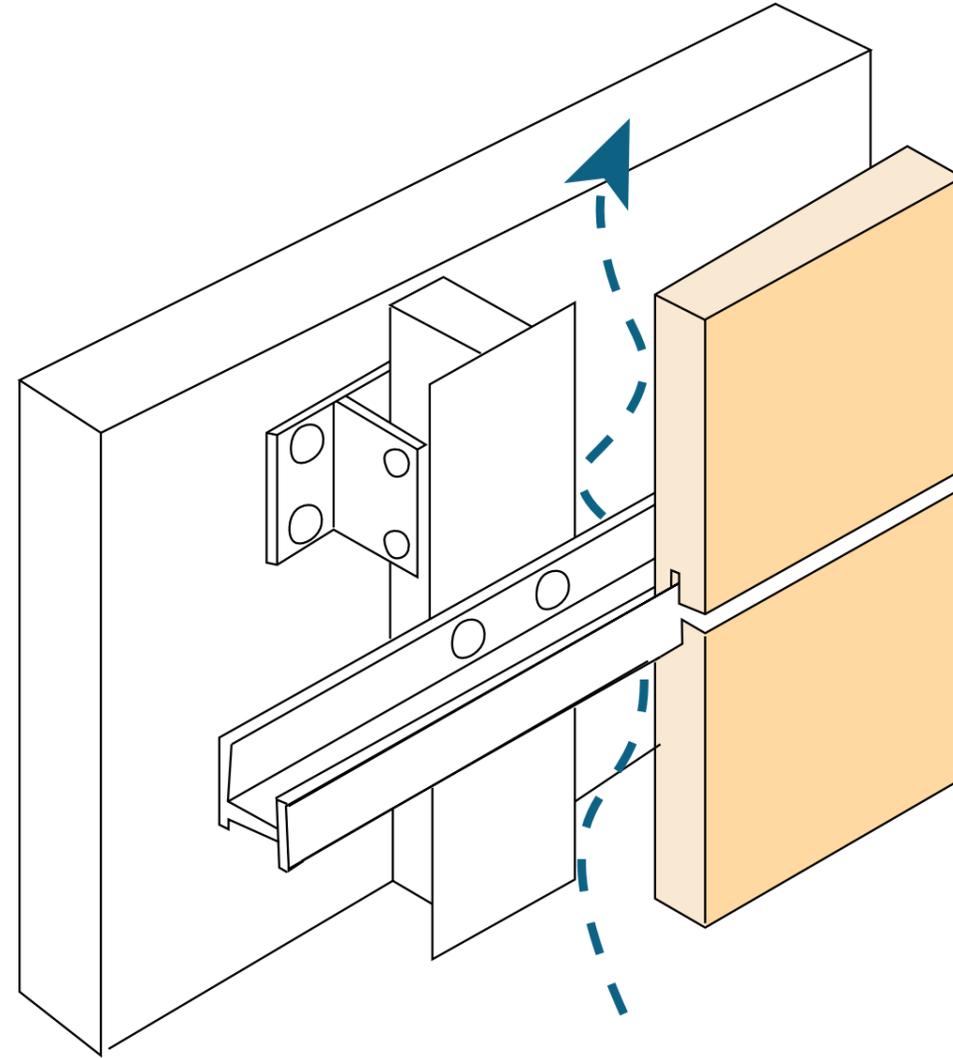


# VENTILATED FACADE

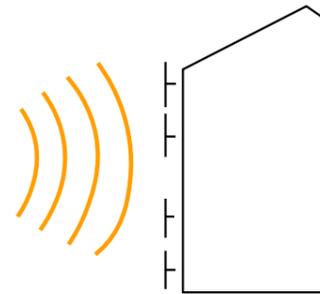


**Thermal insulation**  
constant and uniform

# VENTILATED FACADE

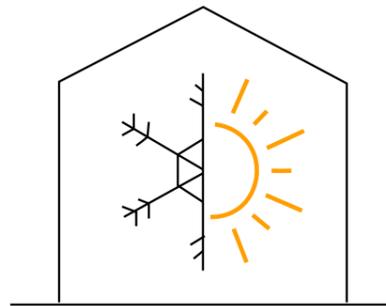
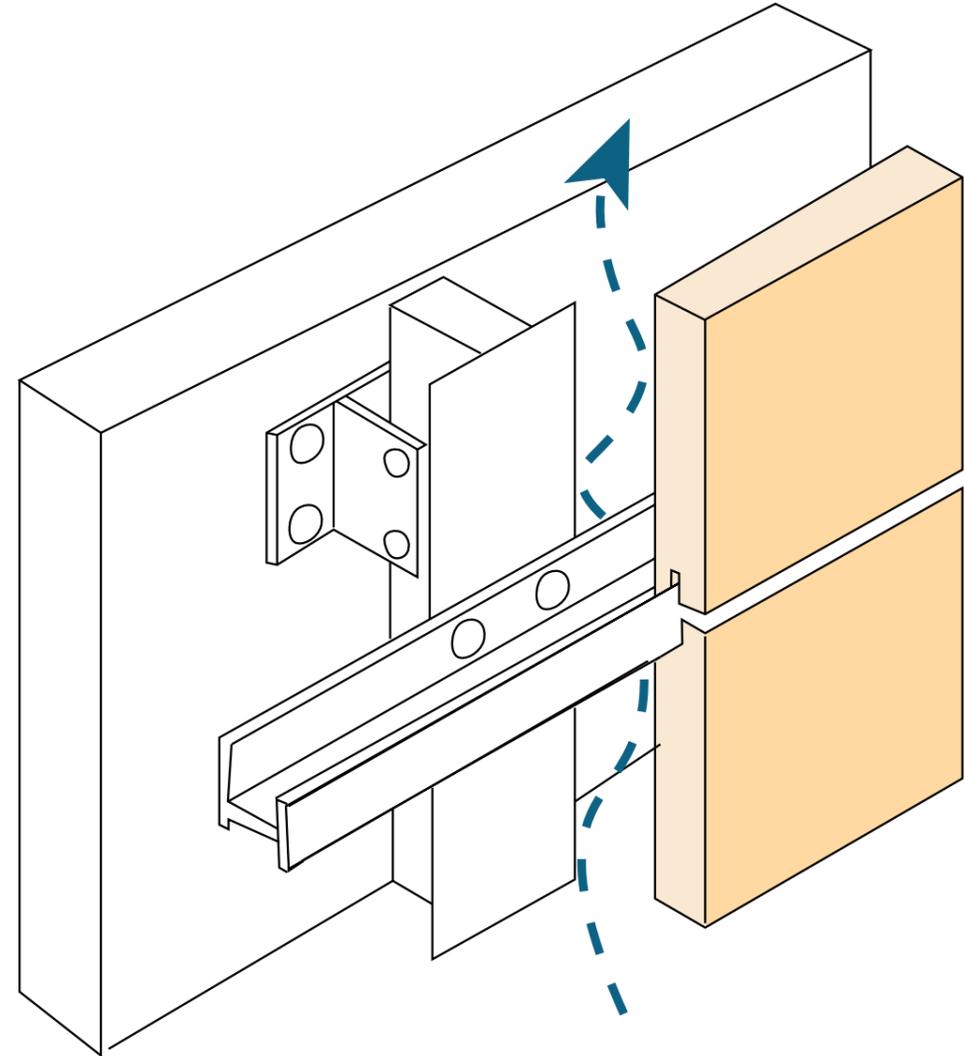


**Thermal insulation**  
constant and uniform

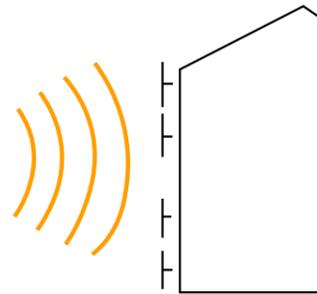


**Acoustic insulation**  
for greater comfort

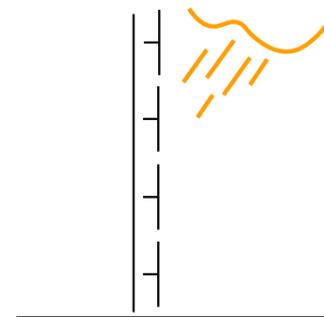
# VENTILATED FACADE



**Thermal insulation**  
constant and uniform

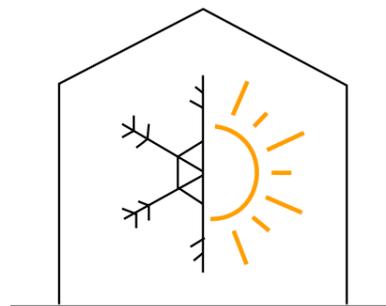
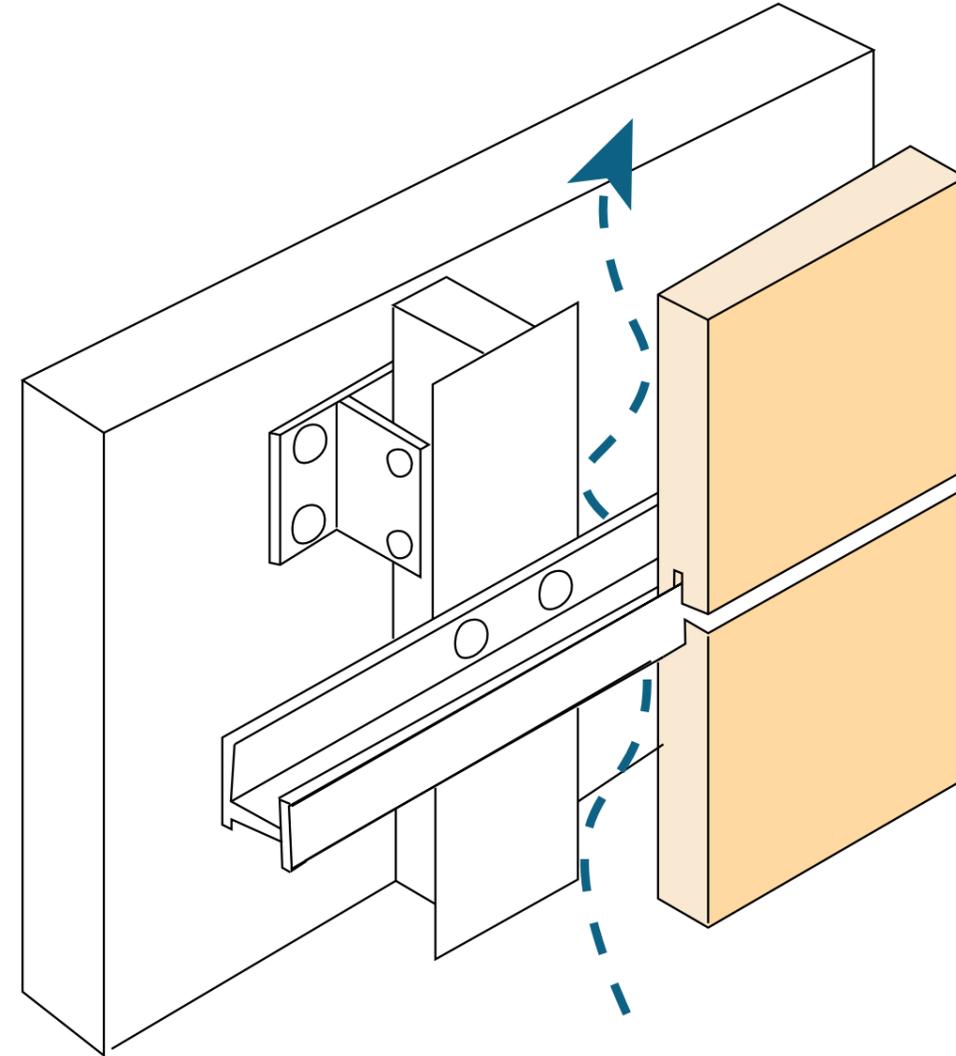


**Acoustic insulation**  
for greater comfort

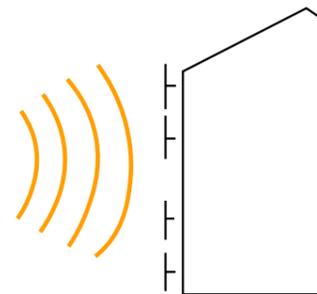


**Protection**  
to safeguard the structure

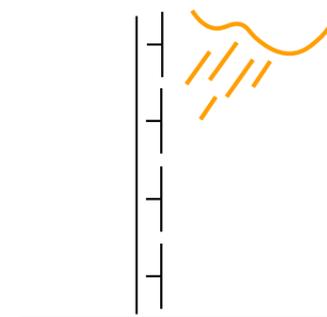
# VENTILATED FACADE



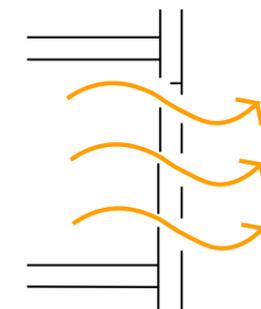
**Thermal insulation**  
constant and uniform



**Acoustic insulation**  
for greater comfort



**Protection**  
to safeguard the structure



**Breathability**  
for maximum interior comfort

CONCLUSION

05

# GOALS



**The building must encourage active participation inside and outside its walls.**

Active participation will support ongoing exchange, where individuals become co-creators of knowledge rather than passive users.



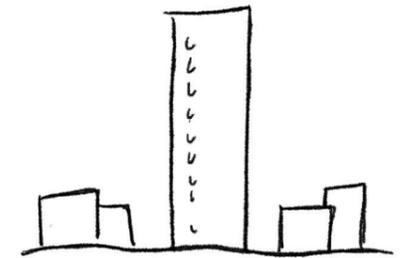
**The library must serve as a collection of stages for creativity and technology.**

These “pockets of exchange,” in varying scales and formats, allow users to demonstrate, perform, and share their skills, encouraging others to join and learn.



**The design must create a strong physical and social link with the surrounding neighborhoods.**

By creating this connection the diverse society can come together and exchange ideas.



**The building should be a landmark for creation and technology**

The library should inspire visitors to contribute in creation and technology by being an eye catcher. Seeing - getting inspired - participating

# ACTIVE PARTICIPATION INSIDE AND OUTSIDE

Goals



Several activities in and around the building,  
creating public space around the building.

# COLLECTION OF STAGES FOR CREATION

Goals



on every floor there is a open flexible performance/ exhibition space to pique interest.

# LINK TO SURROUNDINGS

Goals



By its location the building is placed in the direct centre of multiple areas. The building connects to the site interacting with the park and the historic remains and continuing axes through building.

# LANDMARK



The building serves as a landmark by its location, breaking the axes and program, performing as a stage for creation and technology.

# POCKETS OF EXCHANGE



# POCKETS OF EXCHANGE

THANK YOU!

