



COMPLEX PROJECTS **CONNECTING LIBRARY**

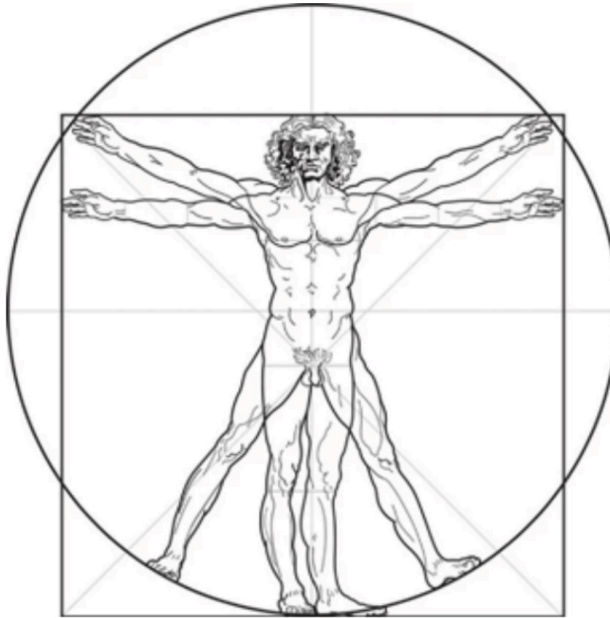
from collection to connection

Sam Haverhals

03-07-2025

overview

STUDIO



BODIES AND BUILDING MILAN

(Studio guidelines, 2024)

overview

STUDIO



Design a “one of building” in Milan

overview

'ONE OF BUILDINGS' MILAN



Train station

Library

Opera

Courthouse

Hospital

University

Museum

Airport

N

overview STUDIO

TRAIN STATION



Stazione Centrale,
Ulisse Stacchini, 1930-1931

AIRPORT



Aeroporto Linate,
1937 + 1993

HOSPITAL



Clinica La Madonnina
Eugenio ed Ermenegildo Soncini
1957-1959

COURT BUILDING



Palazzo di Giustizia,
1929-1947

SCHOOL



Università Luigi Bocconi,
Grafton Architects, 2008

LIBRARY



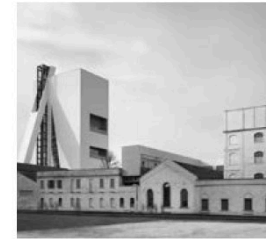
Fondazione Feltrinelli,
Herzog de Meuron, 2013

THEATRE



Teatro alla Scala,
Giuseppe Piermarini 1776 - 1778,
Mario Botta 2004, 2023

MUSEUM



Fondazione Prada
OMA, 2015

(Studio guidelines, 2024)

overview STUDIO

TRAIN STATION



Stazione Centrale,
Ulisse Stacchini, 1930-1931

AIRPORT



Aeroporto Linate,
1937 + 1993

HOSPITAL



Clinica La Madonnina
Eugenio ed Ermenegildo Soncini
1957-1959

COURT BUILDING



Palazzo di Giustizia,
1929-1947

SCHOOL



Università Luigi Bocconi,
Grafton Architects, 2008

LIBRARY



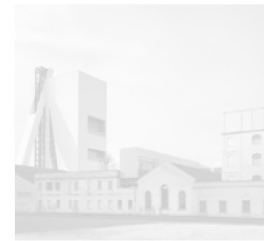
Fondazione Feltrinelli,
Herzog de Meuron, 2013

THEATRE



Teatro alla Scala,
Giuseppe Piermarini 1776 - 1778,
Mario Botta 2004, 2023

MUSEUM

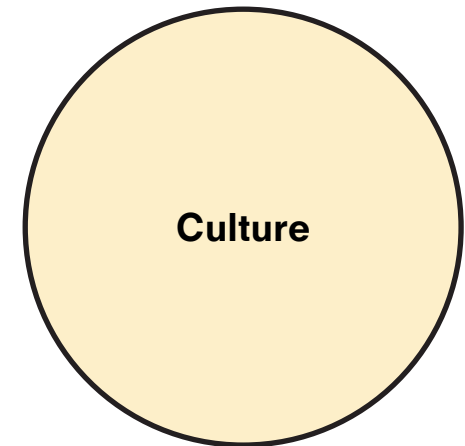
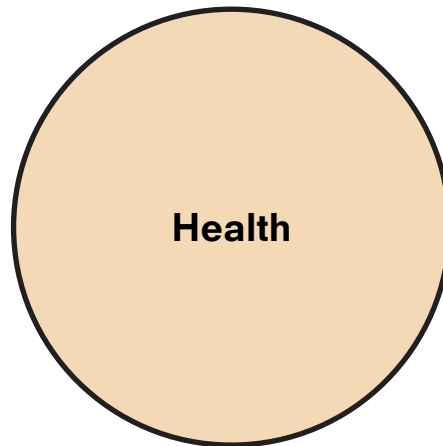
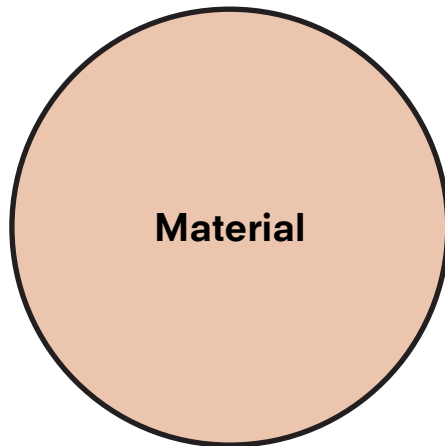


Fondazione Prada
OMA, 2015

(Studio guidelines, 2024)

overview

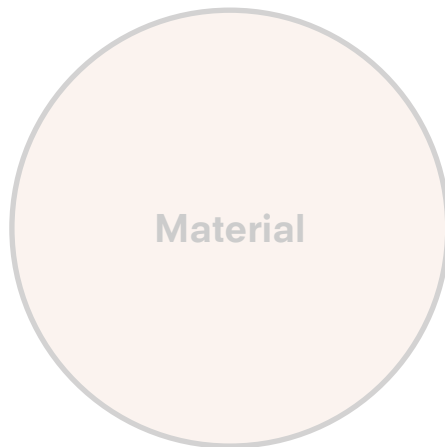
STUDIO



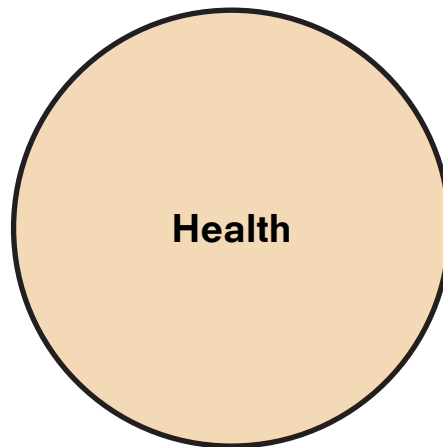
(Studio guidelines, 2024)

overview

STUDIO



Material



Health



Culture

(Studio guidelines, 2024)

Introduction

Design brief

Volume study

Concept

Implementation

Conclusion

introduction

NARRATIVE



Italian culture of...



togetherness

art and architecture

fashion and design

history and heritage

Google Search

I'm Feeling Lucky

introduction

NARRATIVE



(Google, 2024)

introduction

CULTURE OF TOGETHERNESS

Cafés

(Shutterstock, 2024)



introduction

CULTURE OF TOGETHERNESS

Piazzas

(Bensalhia, 2016)

introduction

CULTURE OF TOGETHERNESS

Markets

(Isabelaibarcena, 2021)

introduction

CULTURE OF TOGETHERNESS

Family

(Tuscookany, 2015)

complex CP projects

introduction

CHANGE OF CULTURE



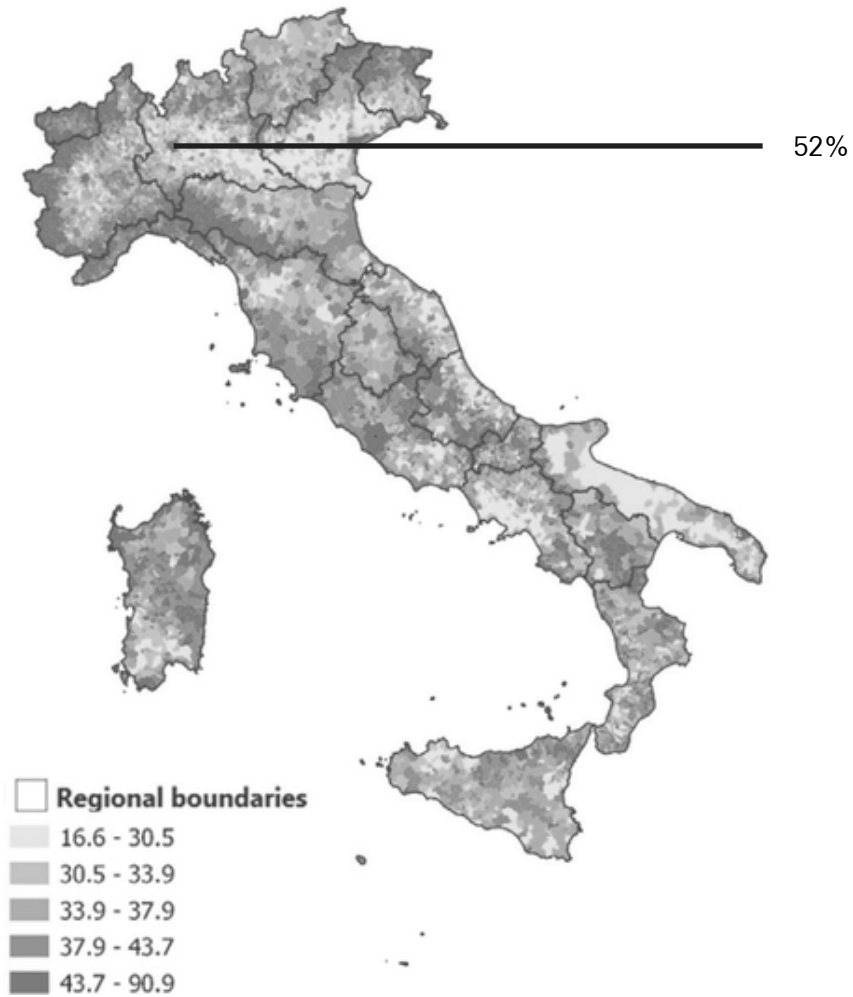
CHANGE OF CULTURE



Milan is a magnet for young talent, with its universities and diverse career opportunities.

OpenAI. (2024). Conceptual illustration of Milan's work culture. Generated by ChatGPT using DALL·E

CHANGE OF CULTURE



Geographical distribution (%) of single person households in Italy, 2021

Many young adults lack the financial means for larger homes, making studios the best option; In Milan 52% of households consist of only one person, well above the Italian average of 30%.

(Loneliness Among Adults Worldwide By Country 2021 | Statista, 2024)

CHANGE OF CULTURE

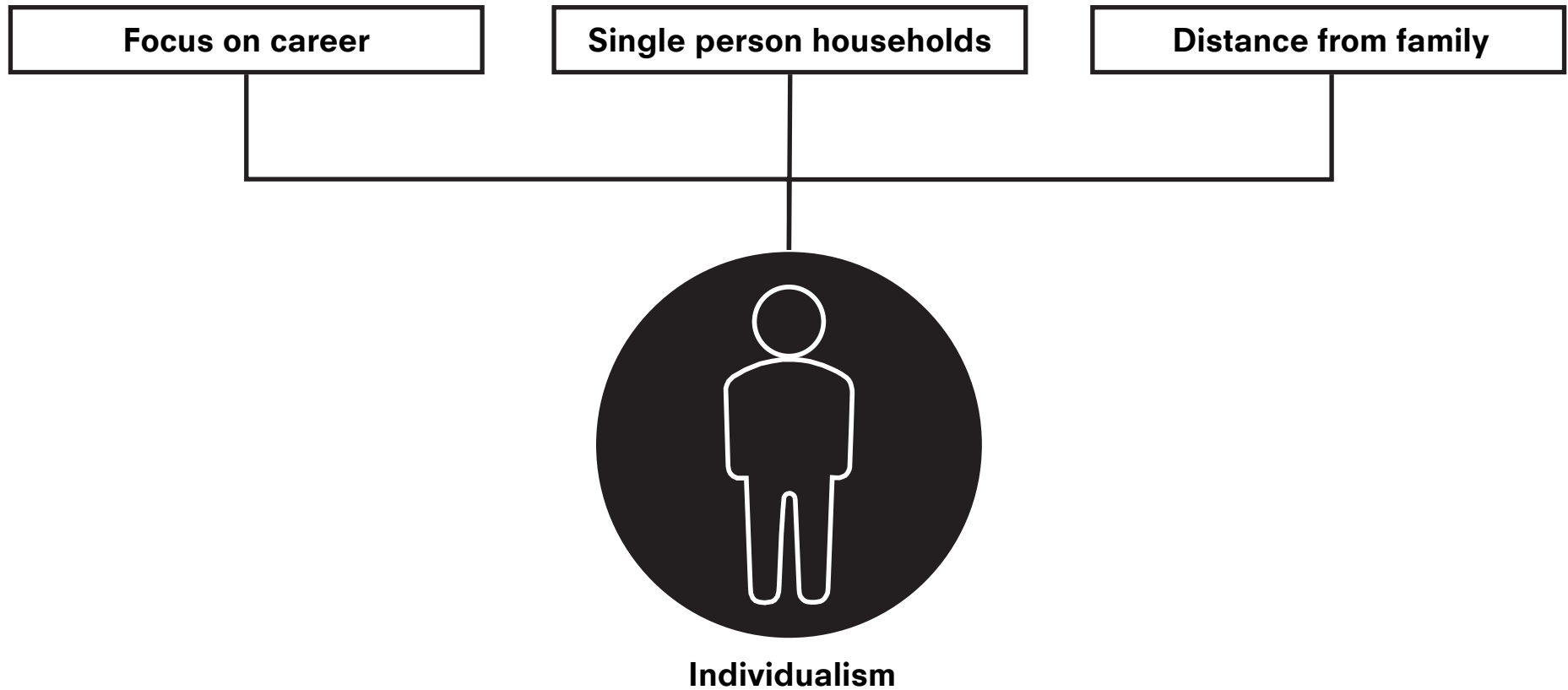


The distance from family leads to less frequent gatherings, weakening the traditional Italian culture of togetherness.

(Loneliness Among Adults Worldwide By Country 2021 | Statista, 2024)

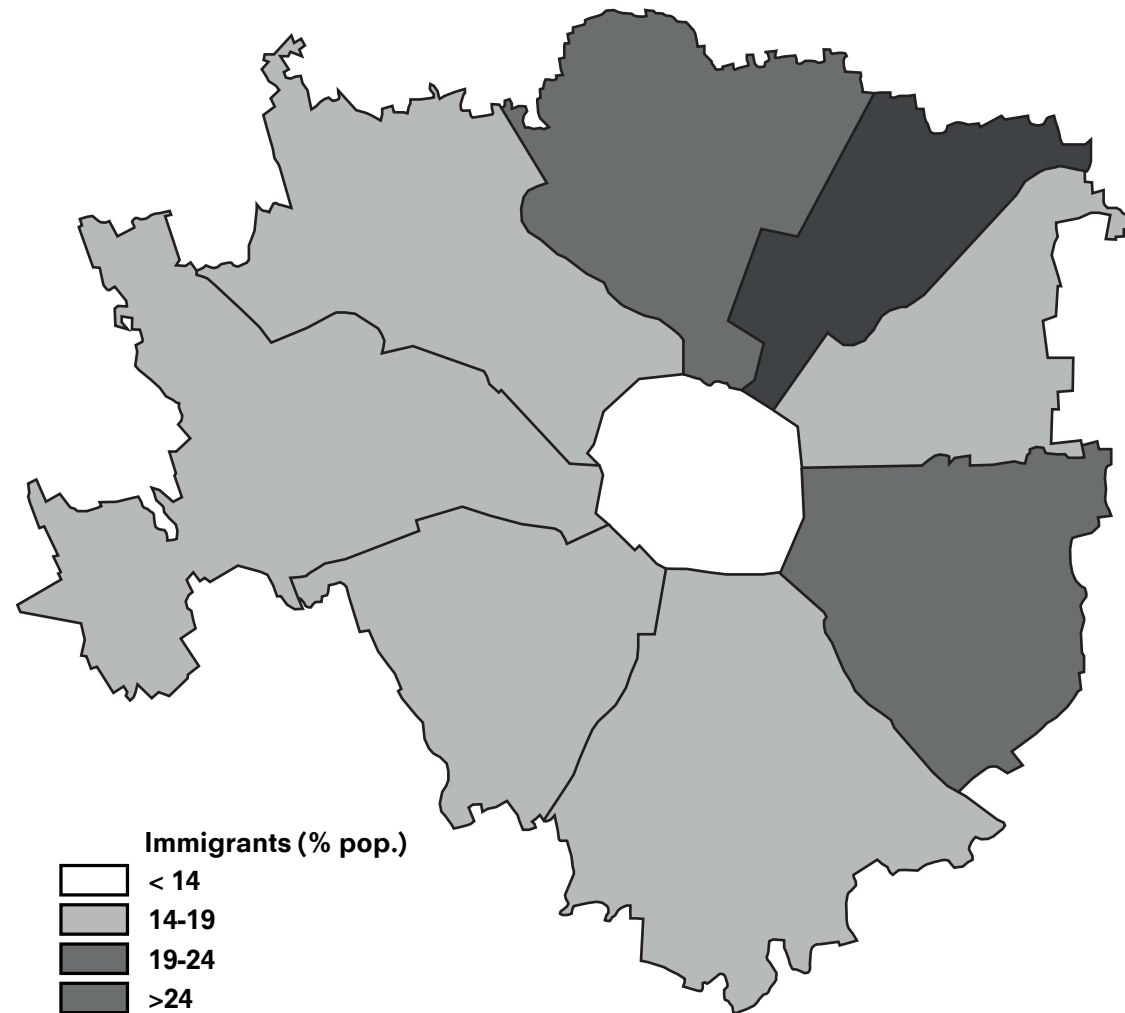
introduction

CHANGE OF CULTURE



These various factors ultimately lead to a sense of individualism.

CHANGE OF CULTURE



With around 20% of Milan's population being migrants, the city experiences significant fragmentation.

(Bini et al., 2019)

CHANGE OF CULTURE



Bad accessibility



Lack of social cohesion



Language barrier



Insufficient support

Migrants find it challenging to integrate into the city, making it harder for them to connect with others.

(Council, 2024)

introduction

CHANGE OF CULTURE



The public spaces in Milan often fail to promote social interaction and connection among different population groups.
(Galimberti & Osrini, 2017)

introduction

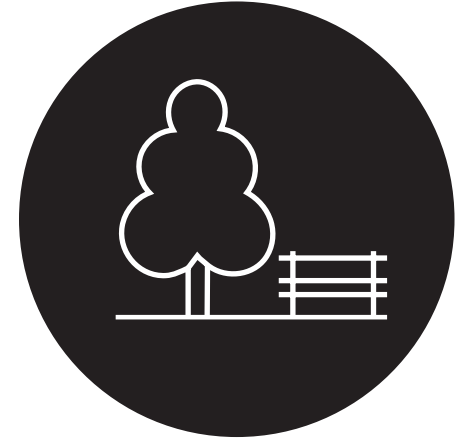
CHANGE OF CULTURE



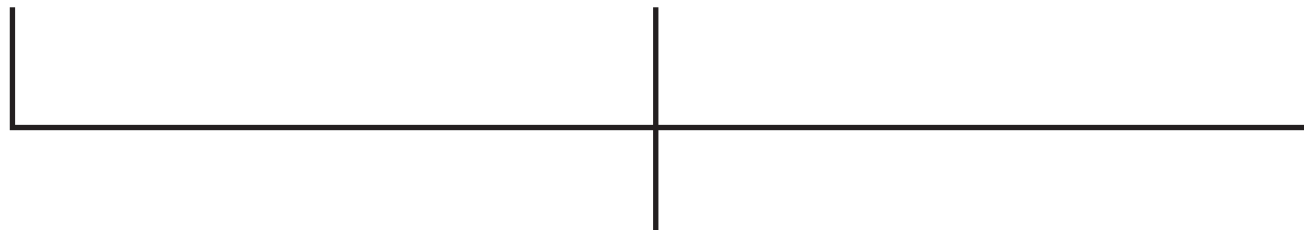
Individualism



Fragmentation



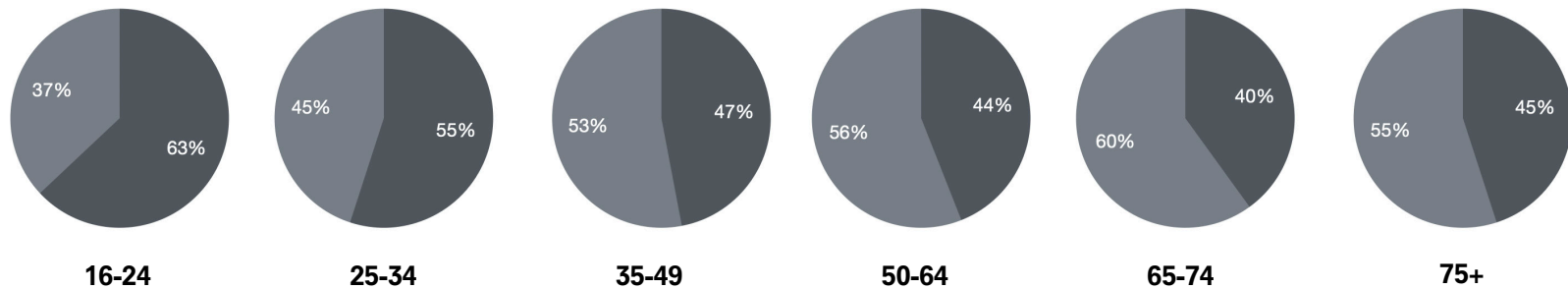
Lack of public space



Decreased social interaction
altering the culture of togetherness

introduction

CONSEQUENCES



As a result, around 51% of Milan's population experience loneliness, with younger people being most affected.

(Brennecke, T. 2023)

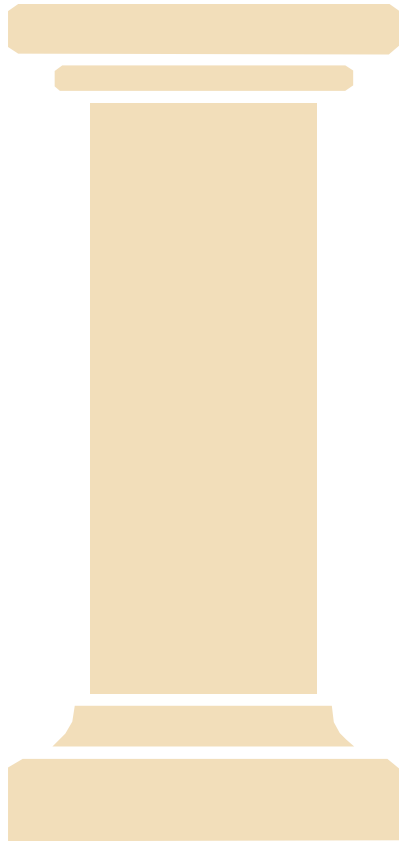
introduction

PROJECT AMBITION

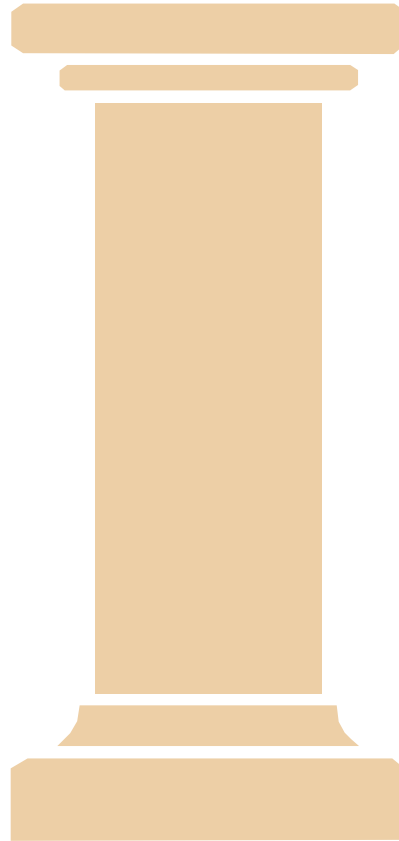
Strengthening the Italian culture of togetherness in Milan

introduction

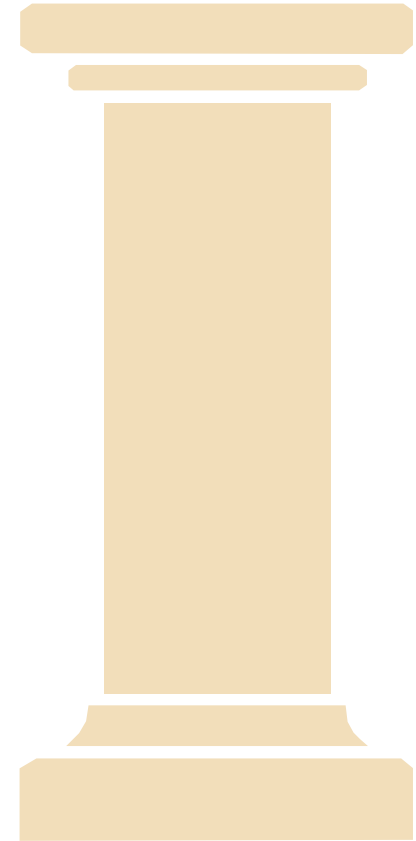
RELEVANCE HEALTH



Physical



Social



Mental

Social well-being is, after all, one of health's three essential pillars.

(Api, 2023)

An architectural rendering of a modern library complex, 'The Connecting Library'. The building is a multi-story structure with a warm, brown-toned facade and large windows. It features several rooftop terraces with greenery and outdoor seating areas. The building is situated in an urban environment, surrounded by other white, block-like buildings. In the foreground, there is a paved plaza with trees, people walking, and a few cars. The overall scene is bright and airy, with a focus on community and outdoor spaces.

THE CONNECTING LIBRARY

A Hub for Community, Learning, and Belonging

introduction

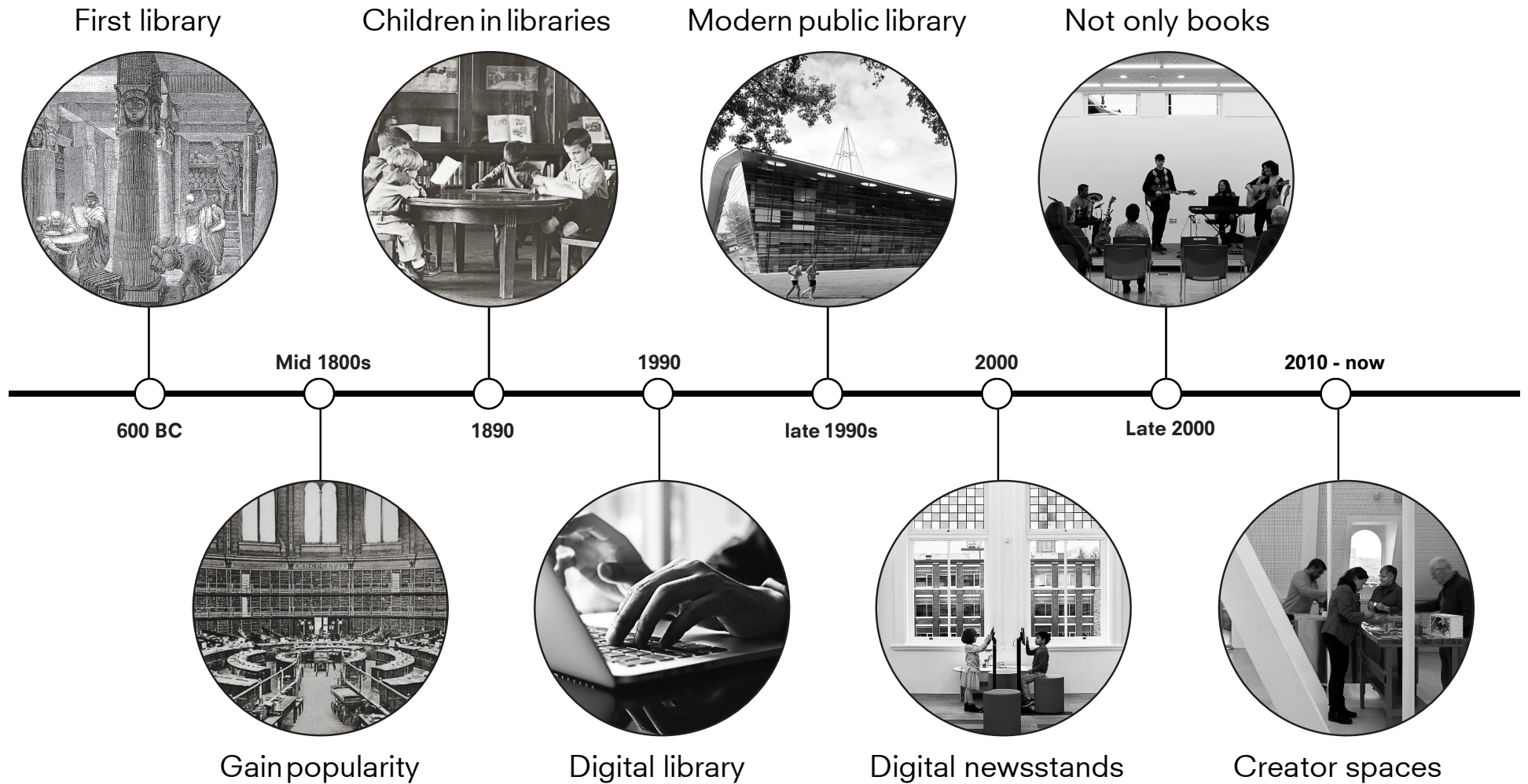
ROLE OF EARLY LIBRARIES



“A building or room containing collections of books, periodicals, and sometimes films and recorded music for use or borrowing by the public or the members of an institution”.

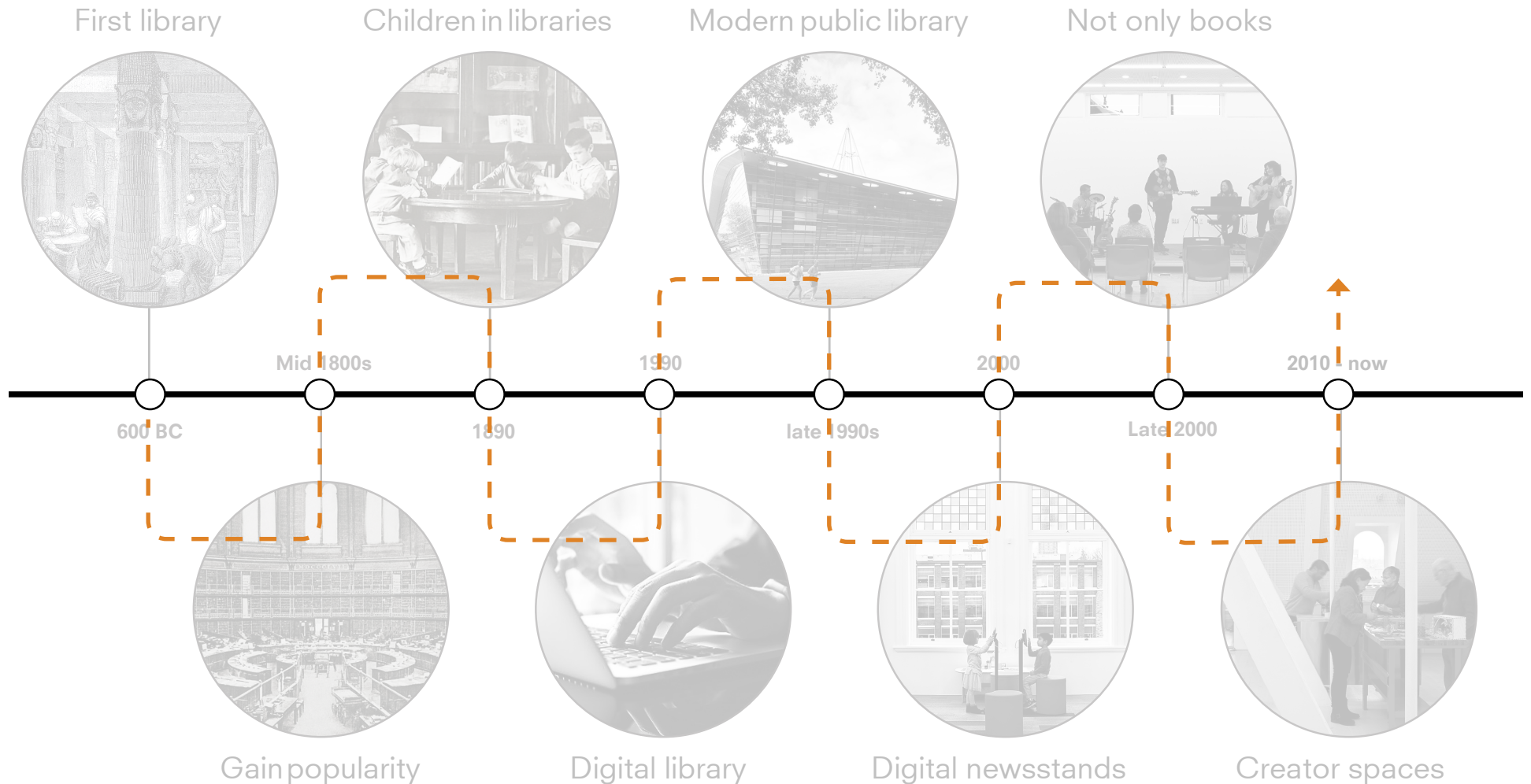
(Koontz, 2010)

EVOLUTION OF LIBRARIES



(Koontz, 2010)

EVOLUTION OF LIBRARIES



From **collection** to **connection**



RESEARCH QUESTION

How can the architectural design of a public library boost social interaction?

introduction

AMBITION



Create a **living room...**

introduction

AMBITION



...for the city

introduction

THIRD PLACE



“Third places... are the heart of a community’s social vitality”.
(Ray Oldenburg, 2001)

introduction

DESIGN ASSIGNMENT



(Herzog & de Meuron, 2016)

Introduction

Design brief

Volume study

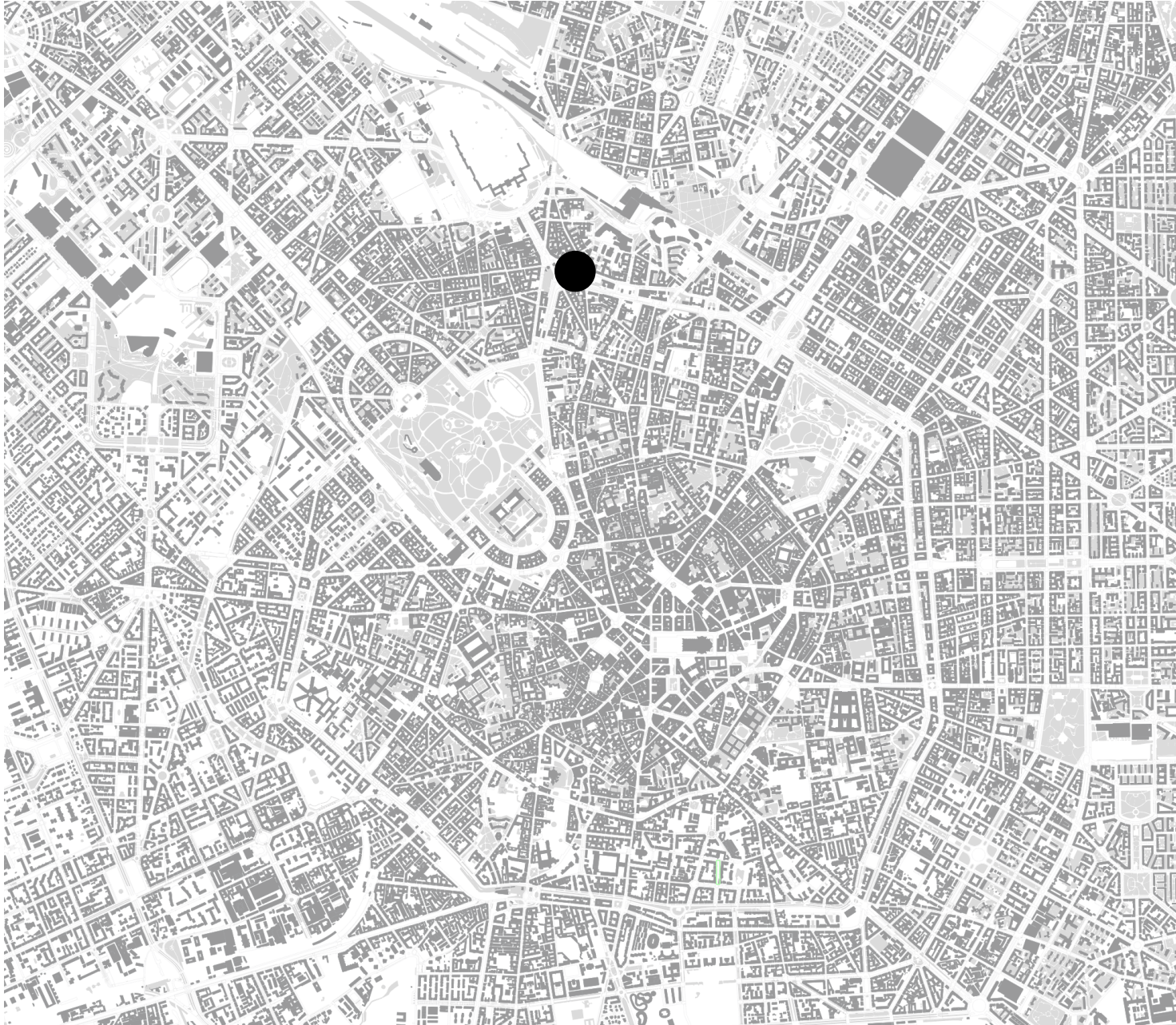
Concept

Implementation

Conclusion

design brief

FONDAZIONE FELTRINELLI



design brief

BUILDINGS NAME



Giangiacomo Feltrinelli
(1926-1972)

He was an influential Italian publisher.
(Albath, 2022)

GIANGIACOMO FELTRINELLI



Feltrinelli collected documents, about the history of ideas, in particular those related to the development of the international labour and socialist movements.

(Fondazione Giangiacomo Feltrinelli, 2024)

design brief

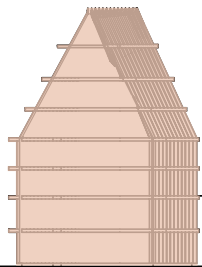
FONDAZIONE FELTRINELLI

"A country's level of civilization depend on what people read" therefore he made literature accessible to the public.

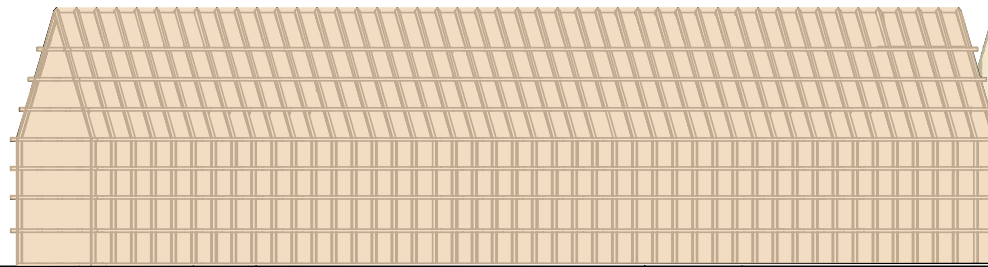
(Fondazione Giangiacomo Feltrinelli, 2024)

FONDAZIONE FELTRINELLI

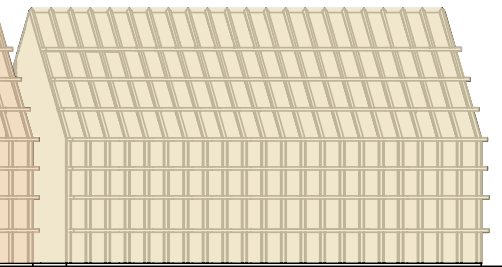
Museum



Microsoft headquarters



Library



Current situation

CLIENT

Provide knowledge
about ...

Stimulate a debate
about ...

Target group

Library

Current situation

Challenges of
today

Everyone

Microsoft

Future

Future of
technology

Everyone

Museum

Past

National identity
& democratic
republic

Everyone

design brief

CLIENT

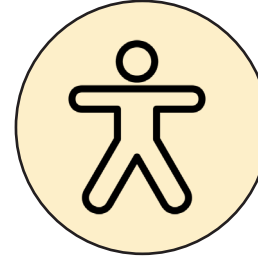
Library



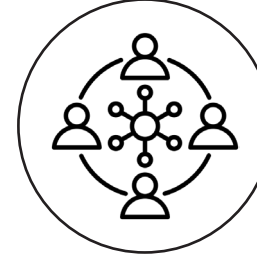
Provide
knowledge



Stimulate
social interaction



Accessibility



Promotes
participation

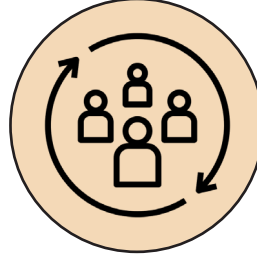


Sustainability

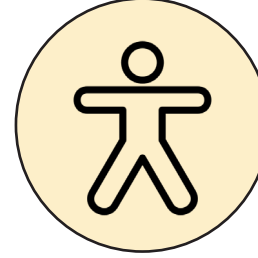
Microsoft



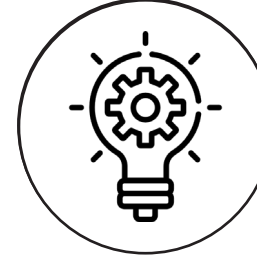
Provide
knowledge



Stimulate

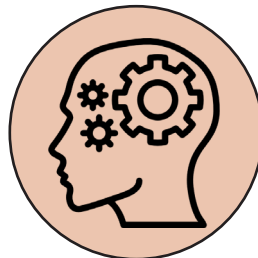


Accessibility

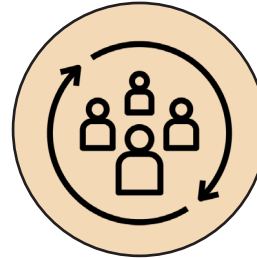


Innovation

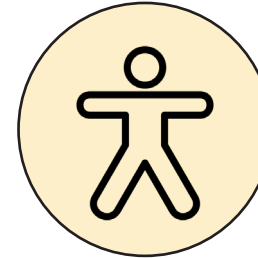
Museum



Provide
knowledge



Stimulate
social interaction



Accessibility

Ambitions

design brief

CLIENT

Museum

**Microsoft
office**

Library

Three buildings

design brief

CLIENT

Museum

**Microsoft
office**

Library

Fade away the boundaries

design brief

CLIENT

Museum

Microsoft
office

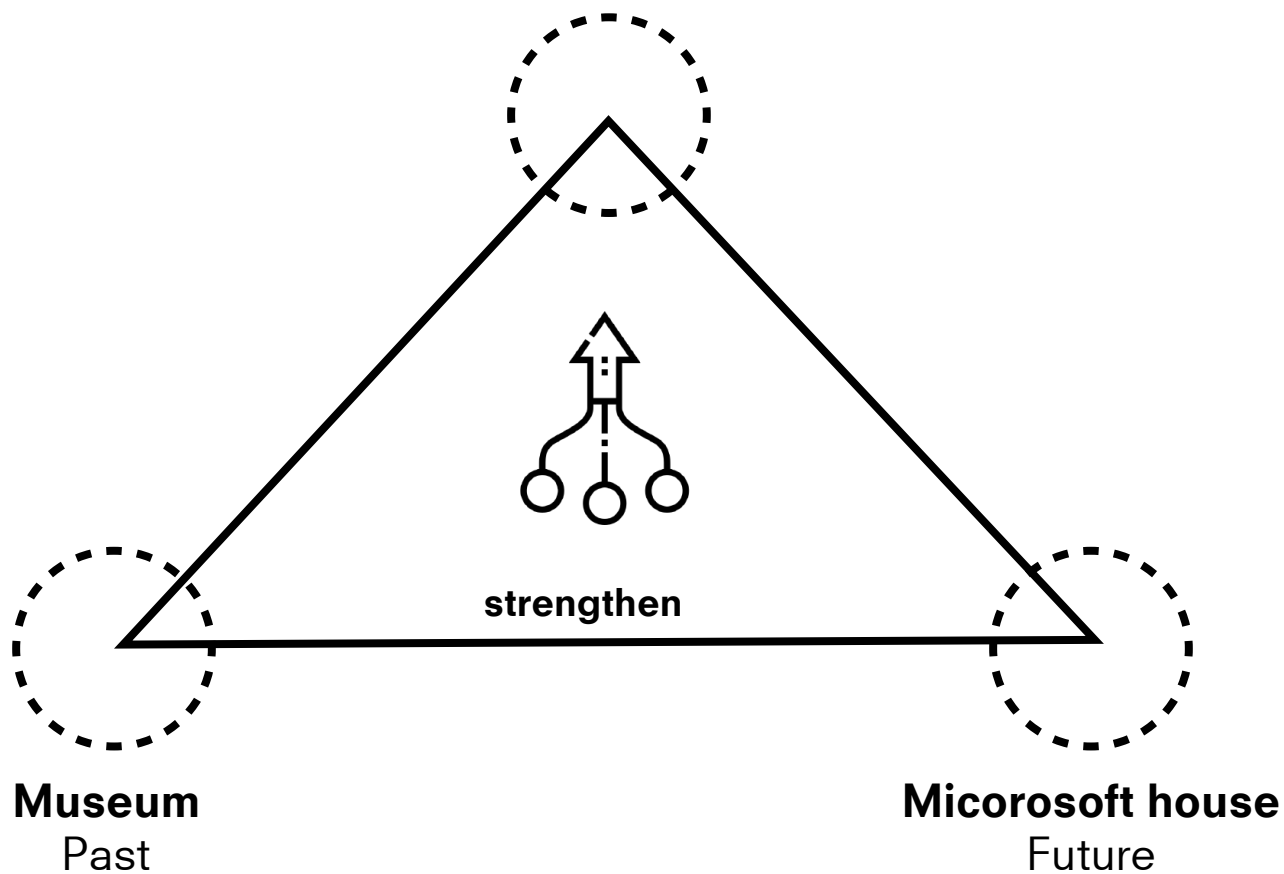
Library

Combine into **one** building

design brief

CLIENT

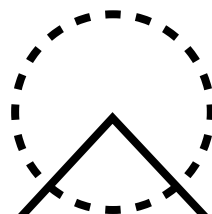
Library
Present



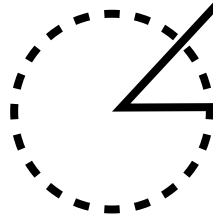
design brief

CLIENT

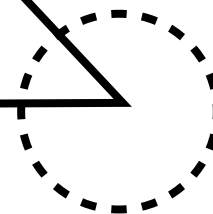
Library
Present



increasing knowledge



Museum
Past

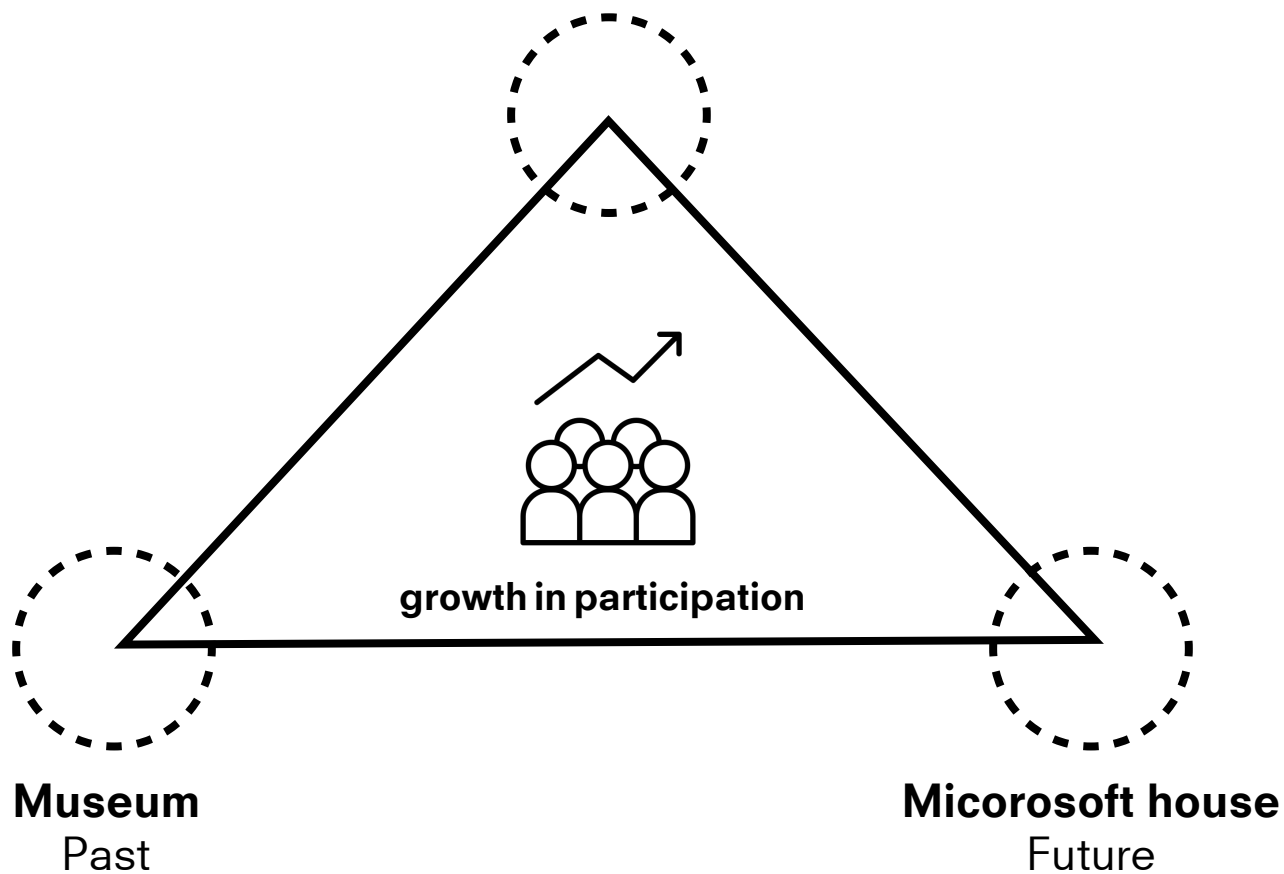


Micorosoft house
Future

design brief

CLIENT

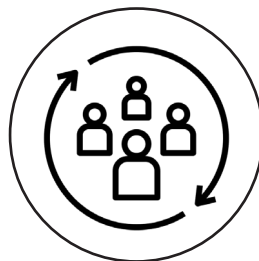
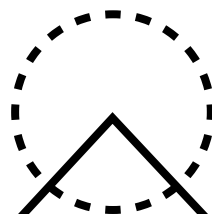
Library
Present



design brief

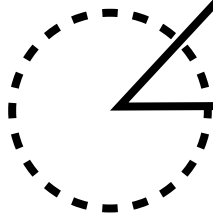
CLIENT

Library
Present

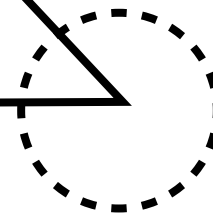


Boost social interactions

Museum
Past

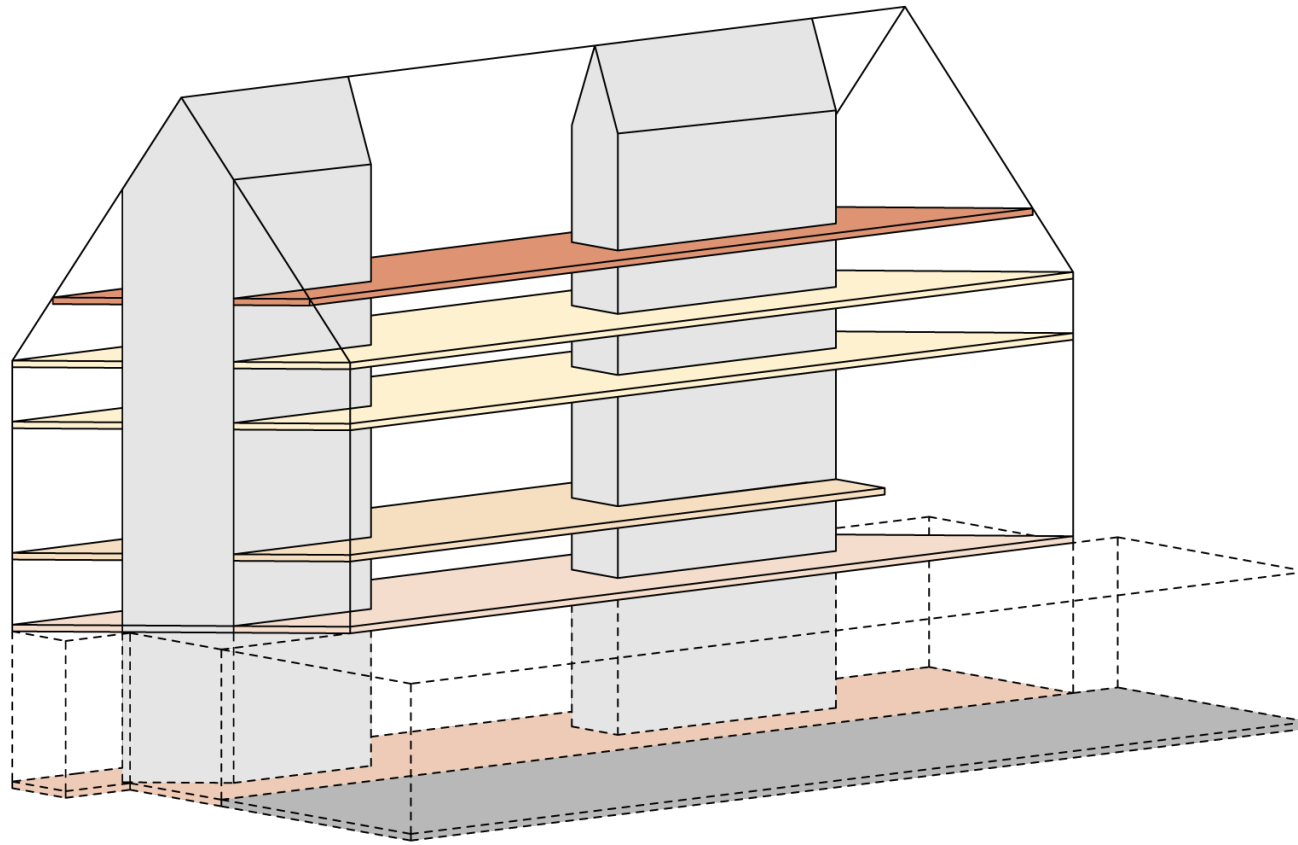


Micorosoft house
Future



design brief

LIBRARY




**Parking
garage**

1250m²
21%


Archive

770 m²
13%


Cores

790 m²
14%


**Entrance,
bookstore
and cafe**

770 m²
13%


**Multifunctional
space**

540 m²
9%


Offices

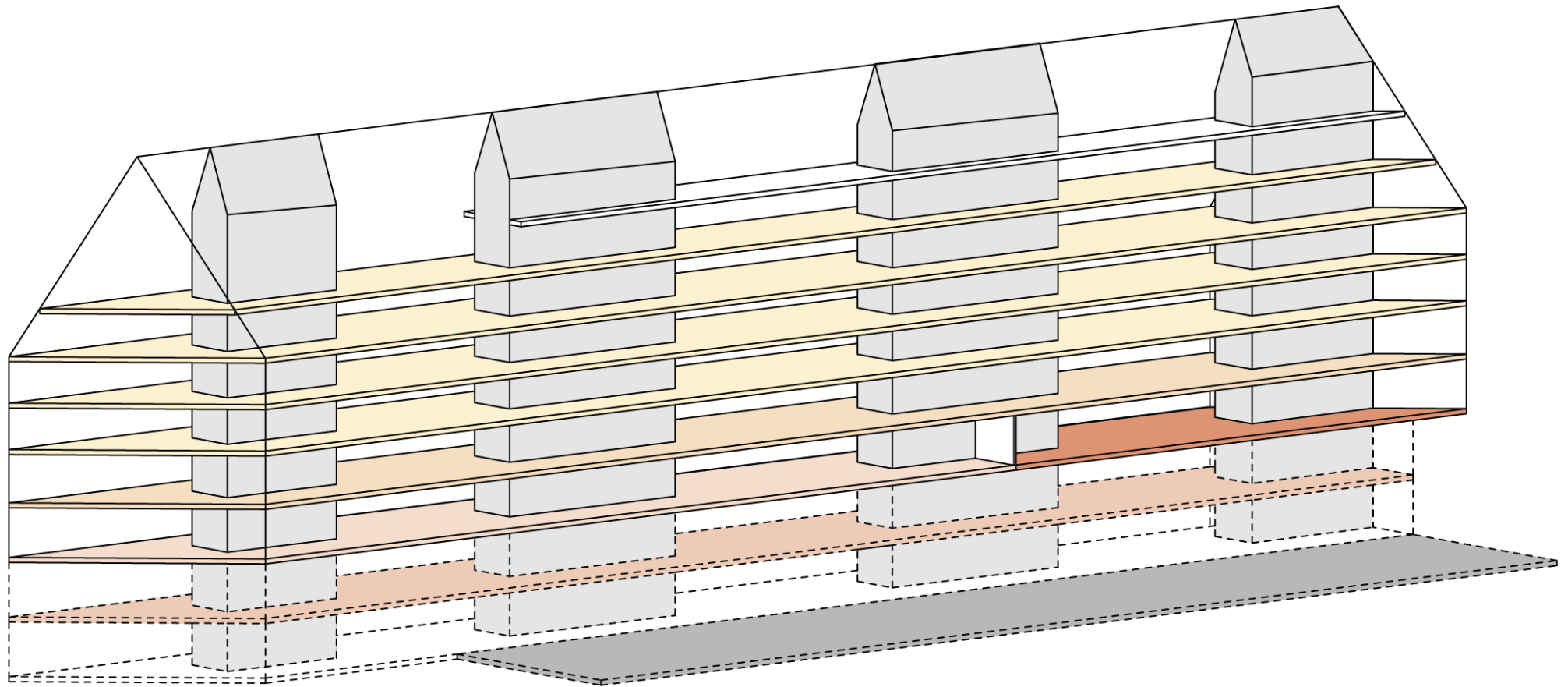
1280 m²
22%


**Reading
room**

450 m²
8%

design brief

MICROSOFT OFFICE




**Parking
garage**

1745m²
11%


**Storage &
Technical
installations**

1875 m²
12%


Cores

2155 m²
14%


**Video room
training room**

1425 m²
9,3%


**Microsoft
showroom
digital class**

945 m²
6%


**Unifor
showroom**

500 m²
3%


**Microsoft
technology
centre**

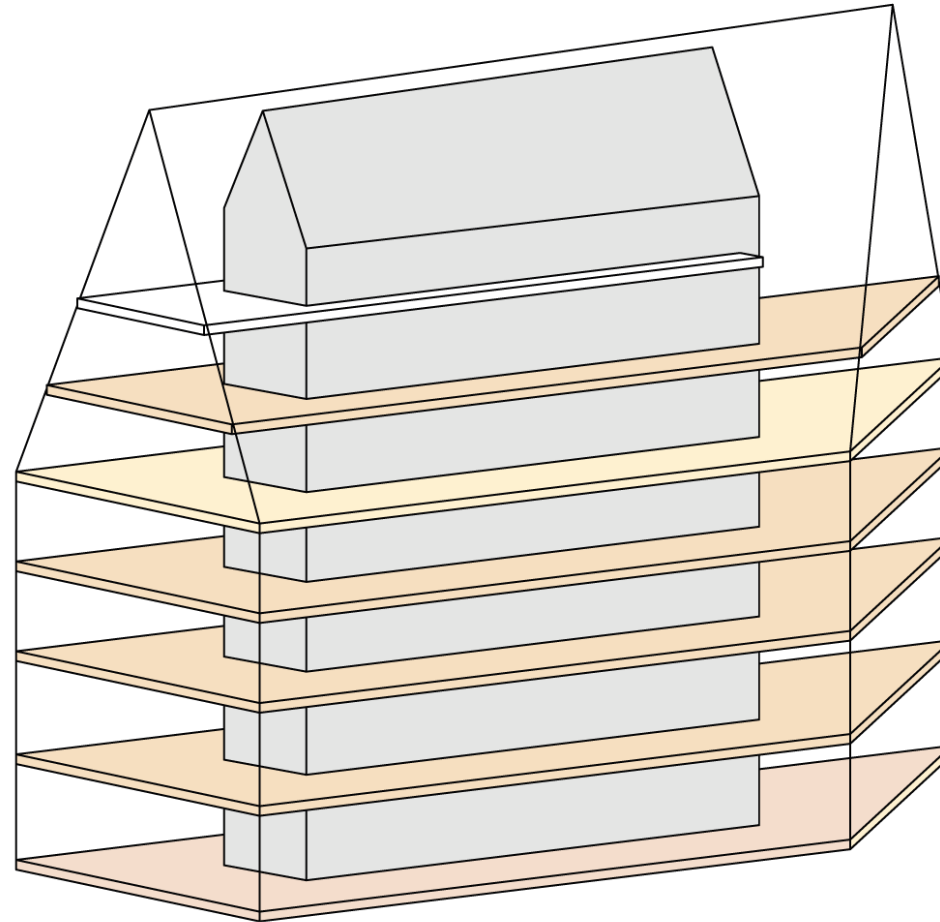
1450 m²
9,7%


Offices

5315 m²
35%

design brief

MUSEUM



Core

880 m²
21%



Services
entrance,
bookstore,
multifunctional space

560 m²
13%



**Exhibition
space**

2.075 m²
49%



**Offices &
documentation
centre**

560 m²
13%

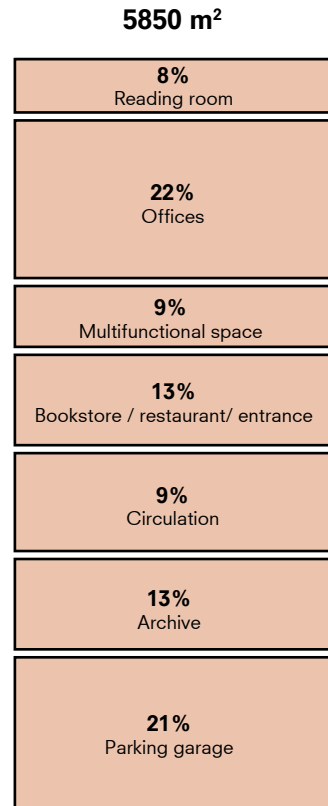


**Technical
installations**

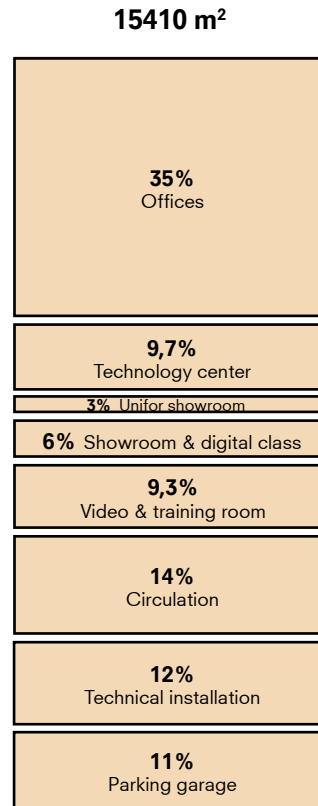
140 m²
4%

design brief

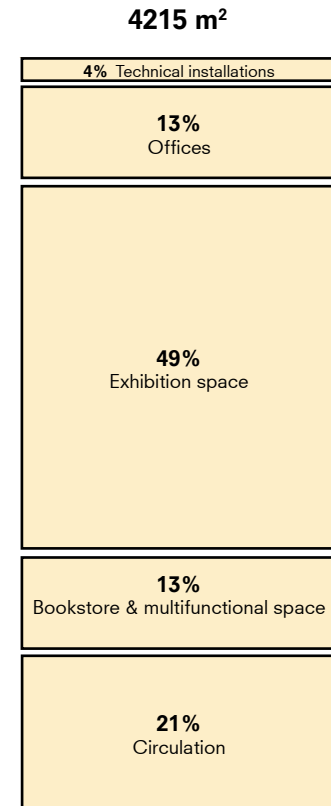
PROGRAM



Library



Microsoft office

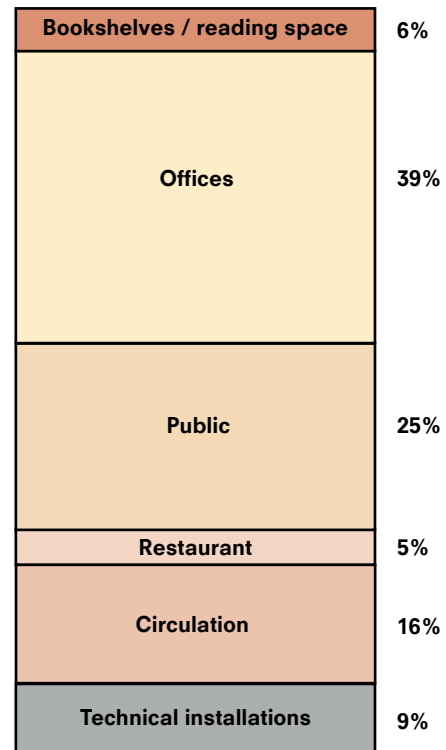


Museum

Current program

design brief

PROGRAM



Comparable program bar (current situation)

design brief

PROGRAM



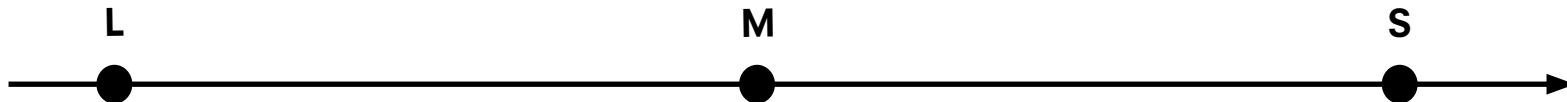
Forum | Groningen
17.000 m²
NL Architects
(Forum, n.d.)



LocHal | Tilburg
11.200 m²
CIVIC
(LocHal, n.d.)



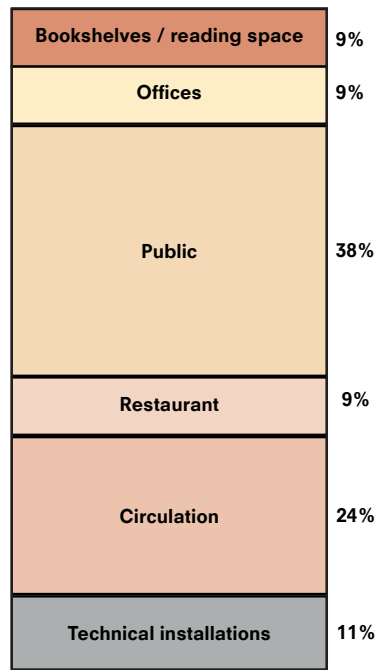
Boekenberg | Spijkenisse
3.500 m²
MVRDV
(Boekenberg, n.d.)



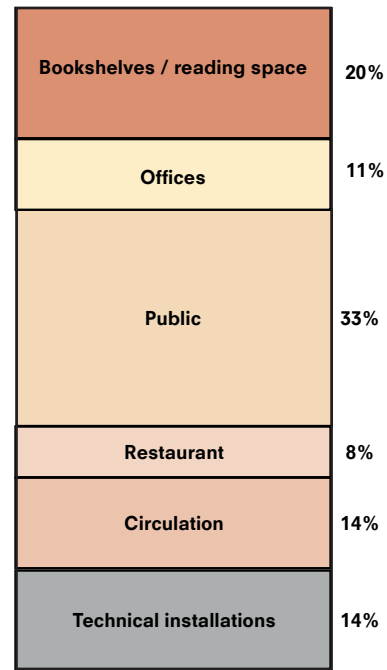
The casestudies for the benchmark are all libraries in the Netherlands, with a huge focus on stimulating social interaction.

design brief

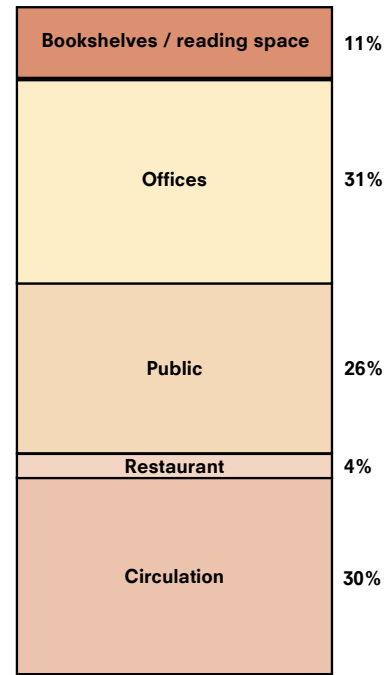
PROGRAM



Forum



Boekenberg

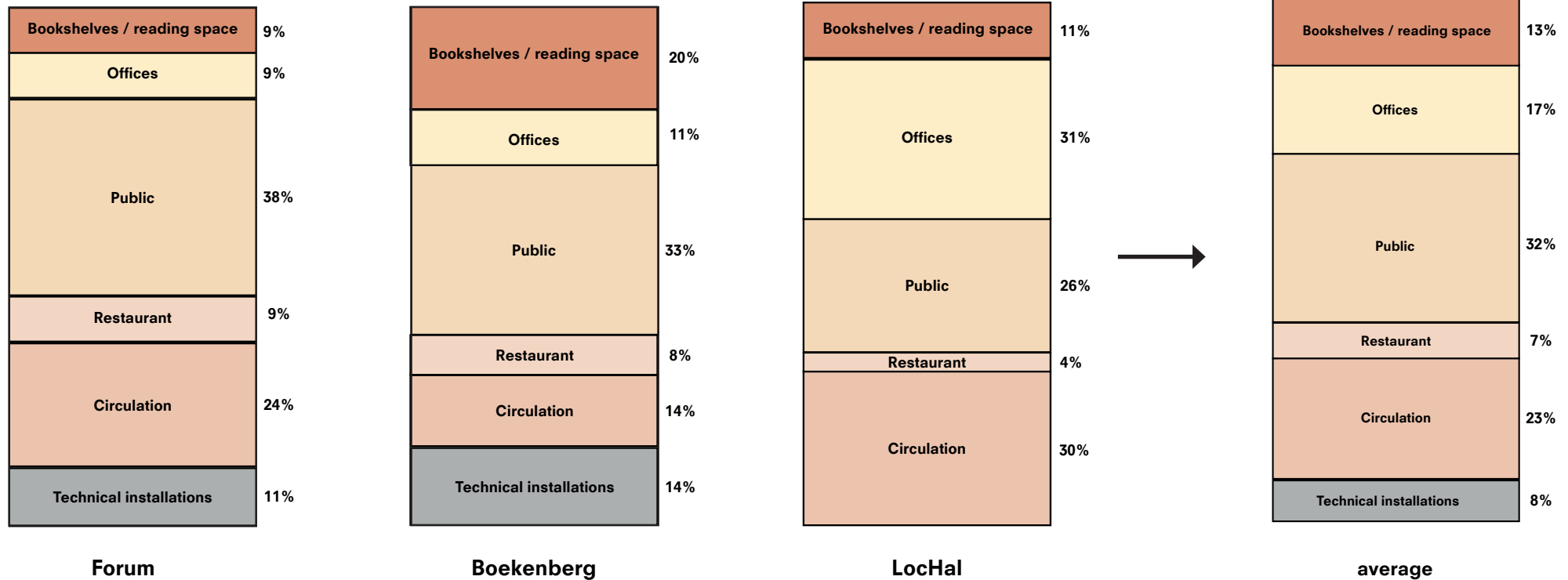


LocHal

Program bars of the casestudies

design brief

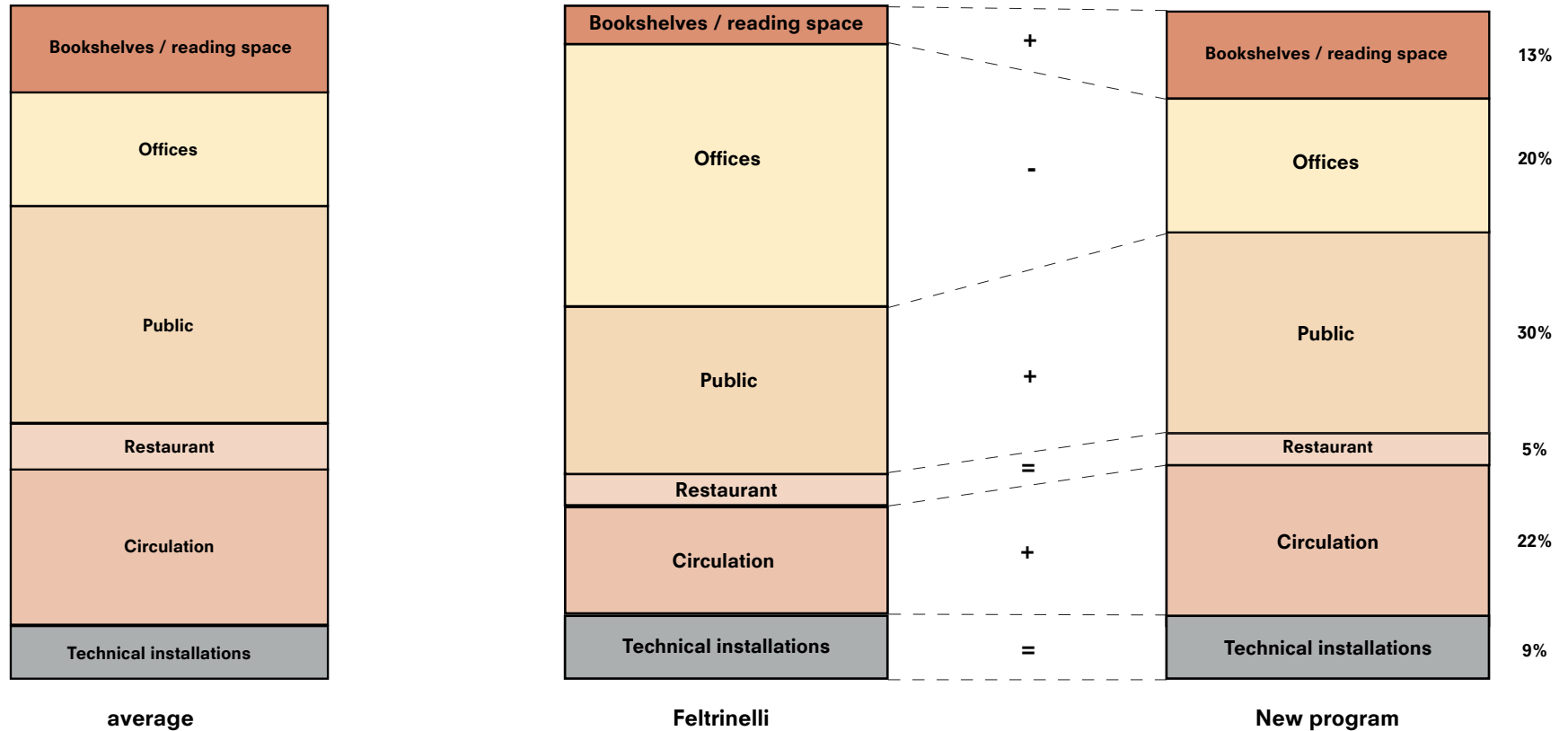
PROGRAM



To make the benchmark applicable, an average is determined.

design brief

PROGRAM



To create more opportunities for social interaction in the design of the new library, several adjustments to the current program are needed based on benchmarking insights.

design brief

PROGRAM

"How can the design and planning of public spaces in Milan be optimised to enhance physical and mental health for its residents?"

(groupwork | health lens)

design brief

PROGRAM

S

M

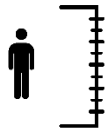
L

XL

(groupwork | health lens)

design brief

PROGRAM



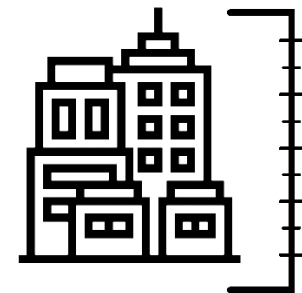
**Human
Scale**



**Building
Scale**



**Neighbourhood
Scale**

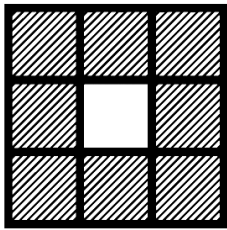


**Urban
Scale**

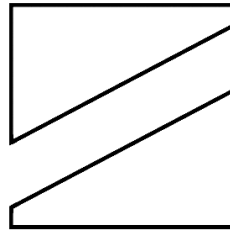
(groupwork | health lens)

design brief

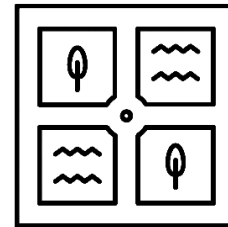
PROGRAM



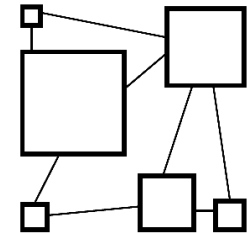
Patio



**Public
Passage**



Piazza



**Health
Belt**

The strategy to address the research question is to incorporate these four elements into the designs of the “one of buildings” on the four different scales.

(groupwork | health lens)

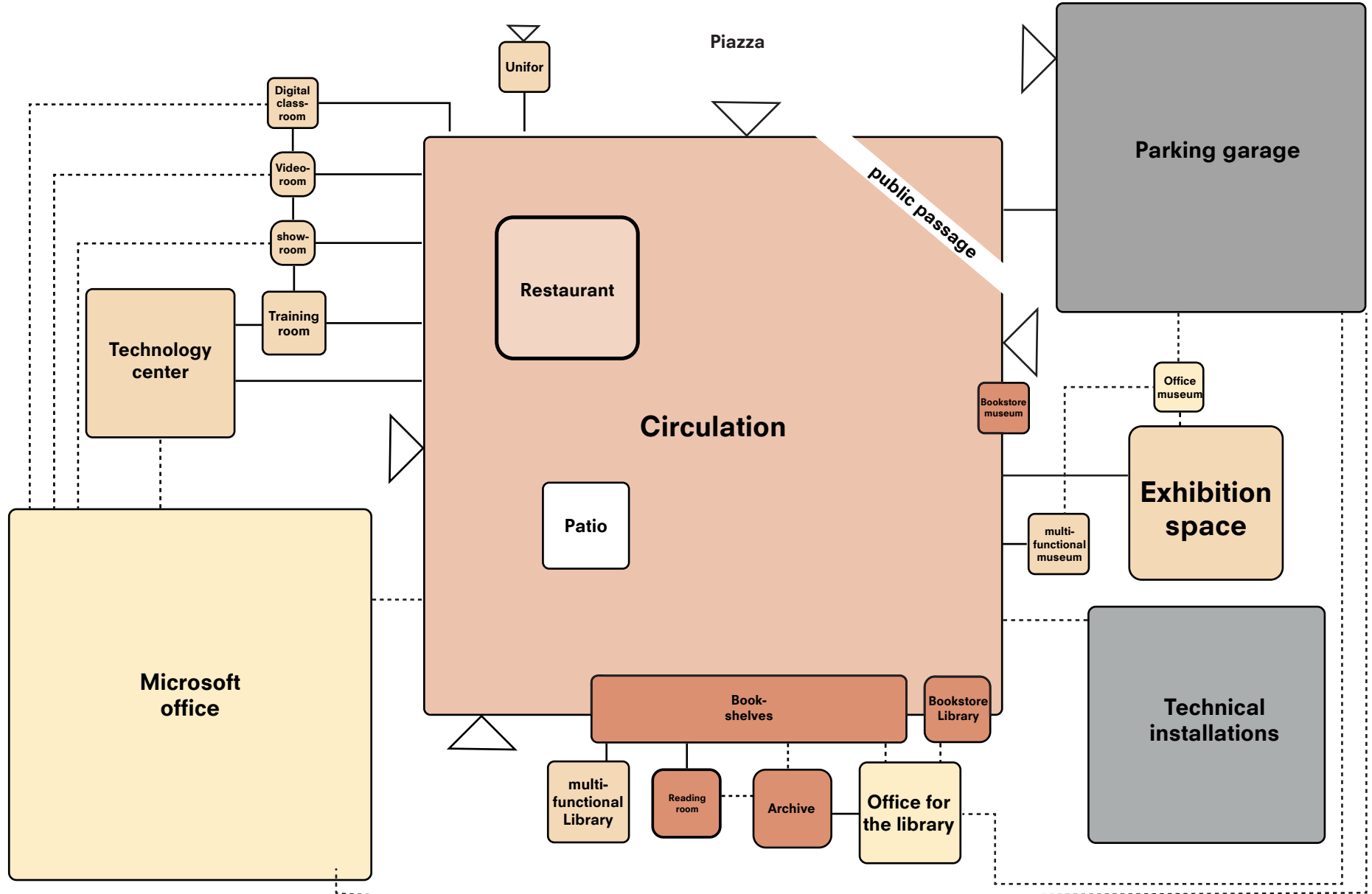
design brief

PROGRAM

Bookshelves / reading space	13% 3300 m ²	- Reading / study places (900 m²) - Book store library (400 m²) - Book store museum (200 m²)	- Bookshelves (830 m²) - Archive (770 m²)
Offices	20% 5100 m ²	- Microsoft office (3600 m²) - Office for the library (1000 m²) - Office for museum (500 m²)	
Public	30% 7650 m ²	- Showroom (445 m²) - Multifunctional space library (800 m²) - Multifunctional space museum (600 m²) - Technology center (1450 m²) - Unifor showroom (500 m²)	- Videoroom (450 m²) - Digital classroom (500 m²) - Videoroom (750 m²) - Trainingsroom (625 m²) - Exhibition space (1530 m²)
Restaurant	5% 1300 m ²	- Restaurant Princi (1300 m²)	
Circulation	22% 5600 m ²	- Stairs (TBC) - Elevators (TBC) - Corridors (TBC) - entrance(TBC)	-Multifunctional space (TBC)
Technical installations	9% 2300 m ²	- Technical installations (2300 m²)	
Outside spaces (Health lens group)			
		- Parking garage (128 places)	- Patio (TBC) - Passage (TBC) - Piazza (TBC)
			(S - scale) (M - scale) (L-scale)

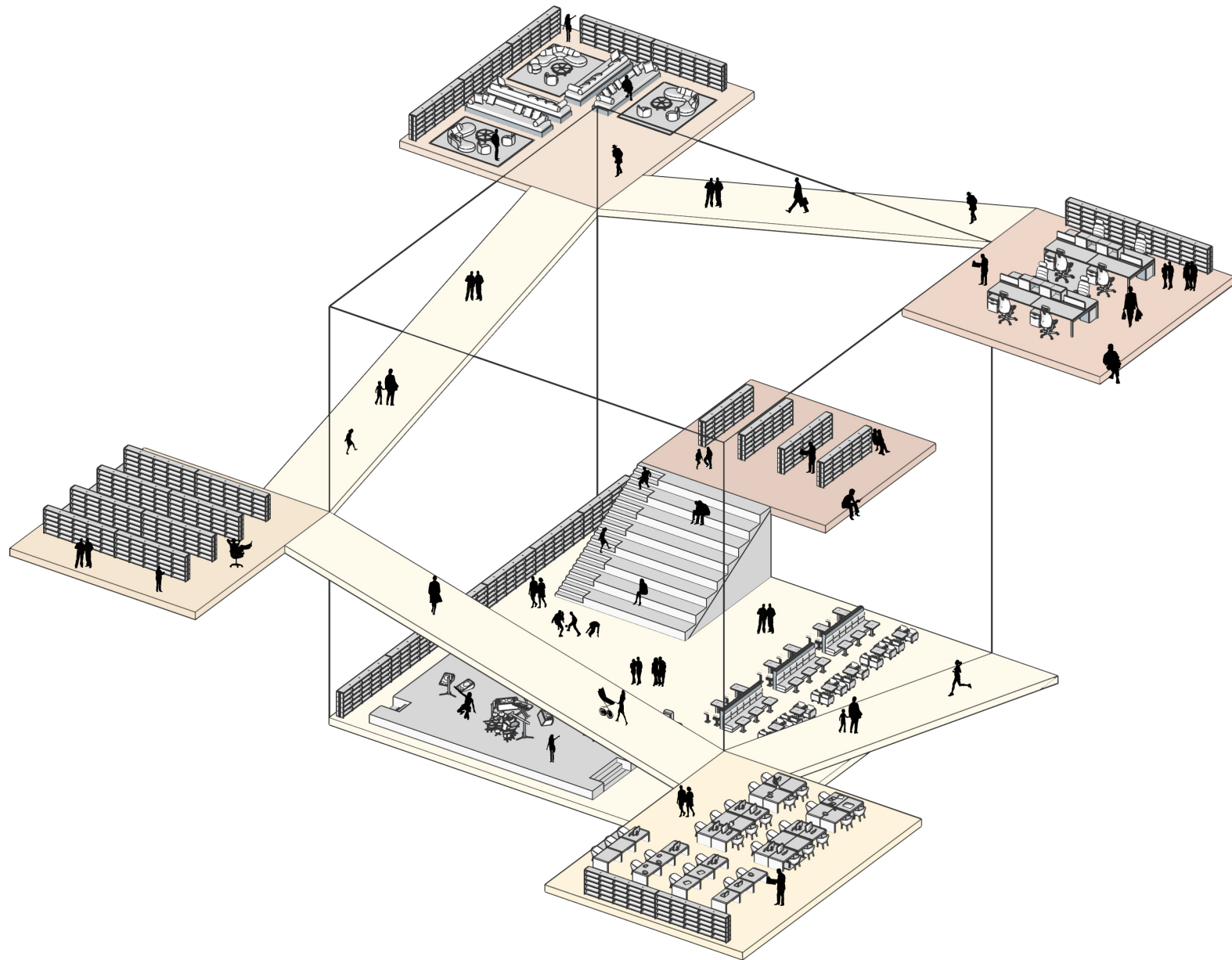
design brief

PROGRAM

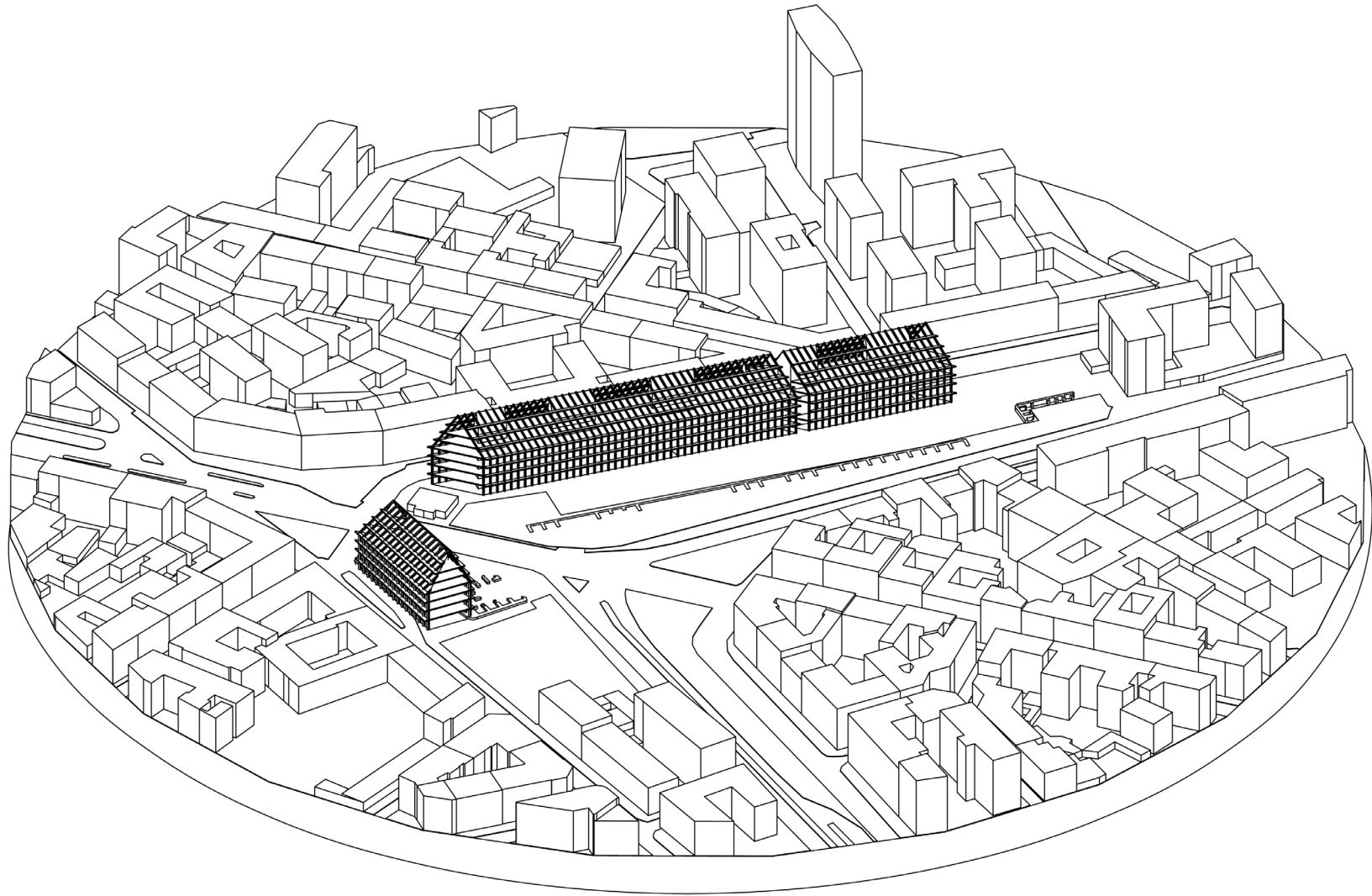


design brief

PROGRAM

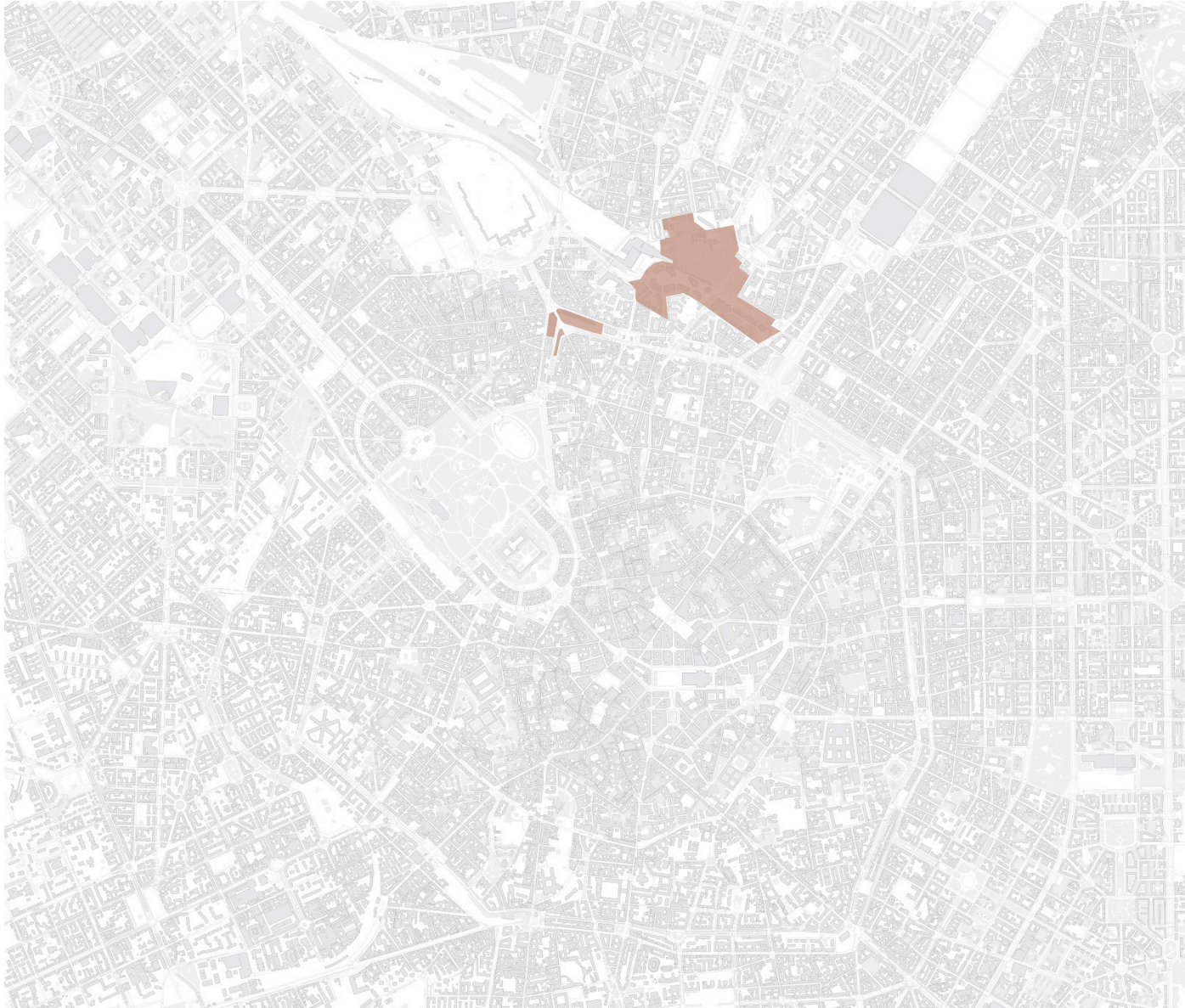


SITE



Current situation

SITE



The Porta Nuova project is an ambitious urban initiative, that connects three districts through sustainable renewal and innovative energy solutions.

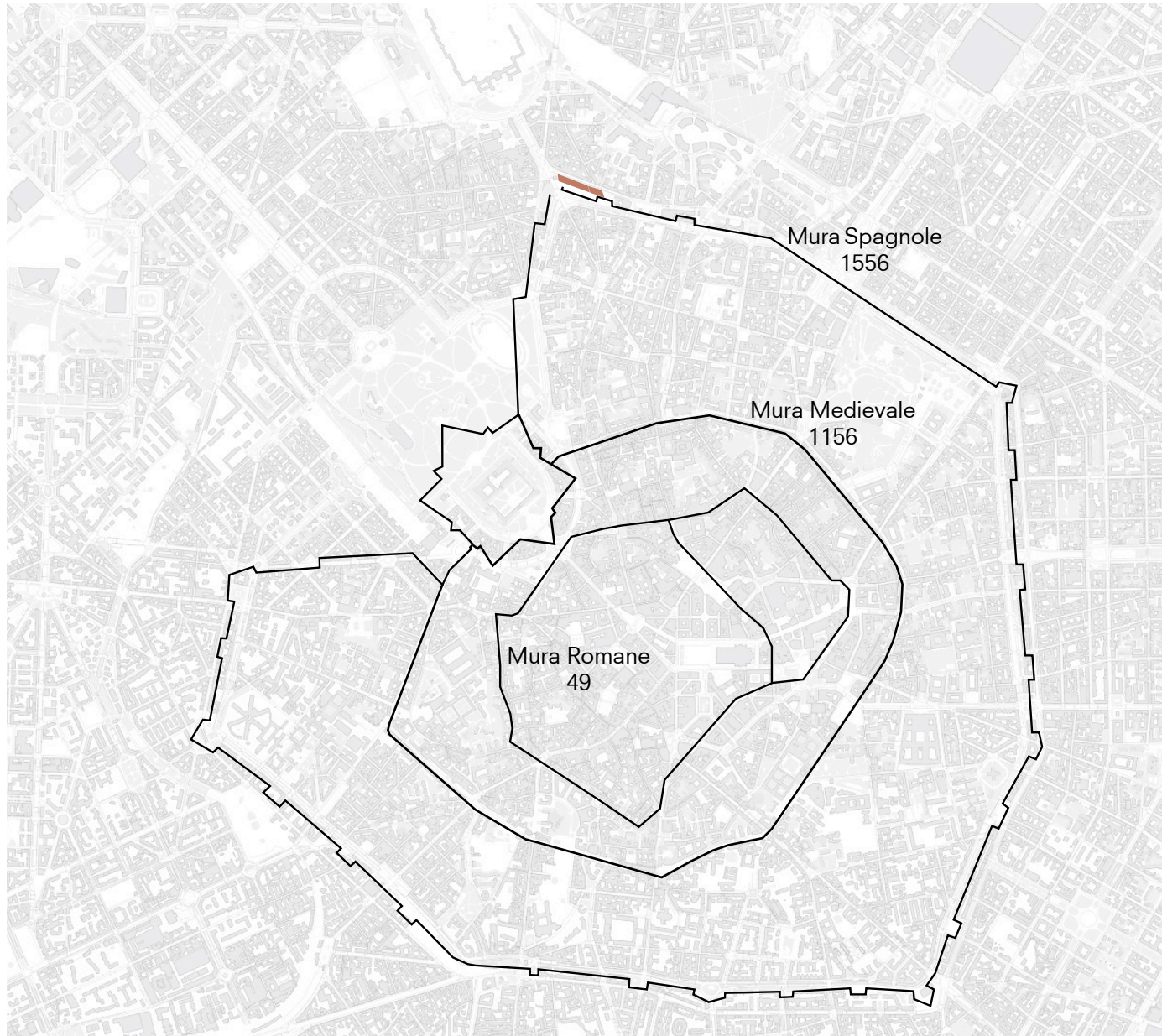
(Deerns, 2024)

SITE



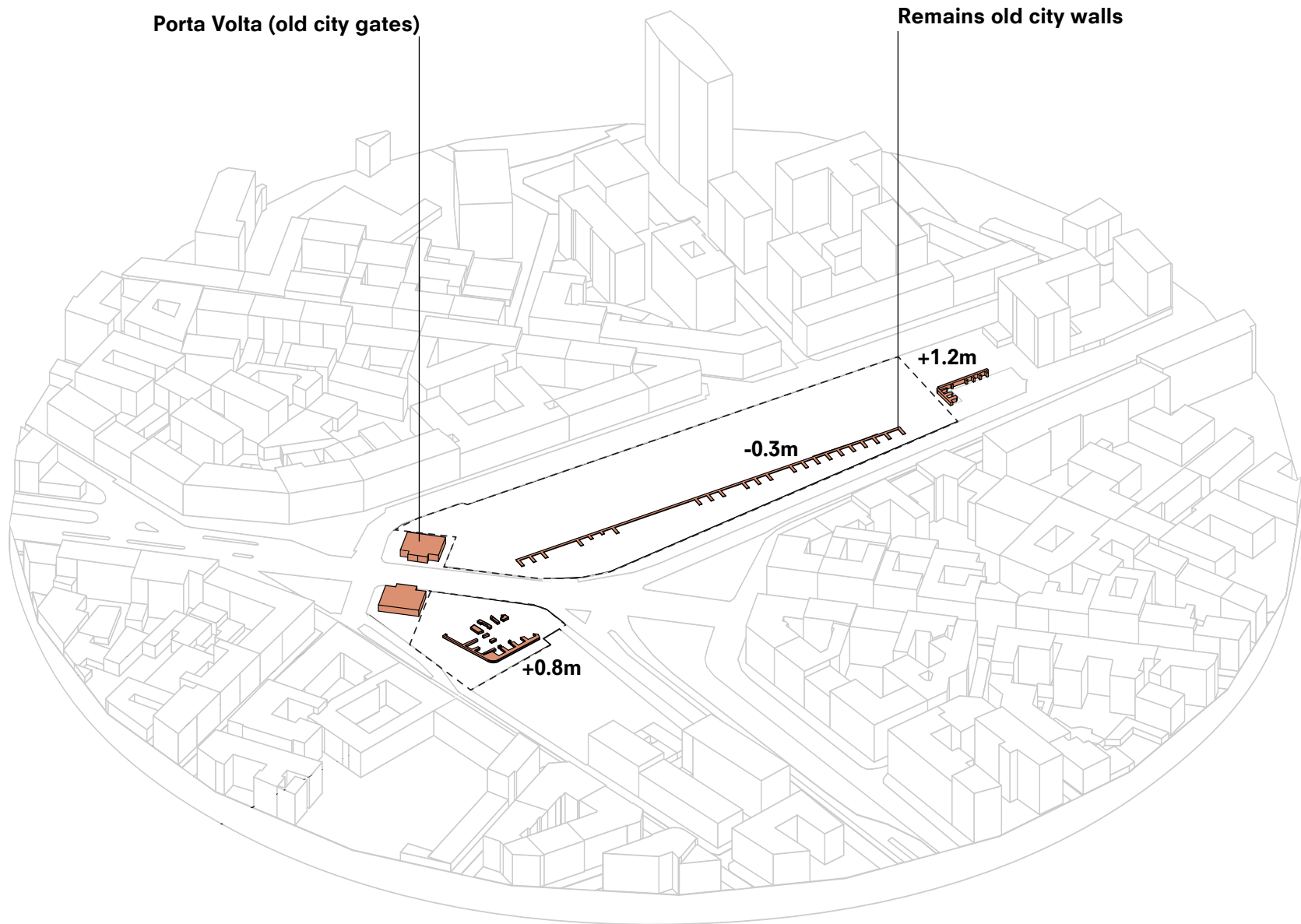
Porta Nuova is a modern Milanese district, known for its iconic Bosco Verticale and a contemporary park that blend innovation with urban design.

SITE



Old city walls

SITE

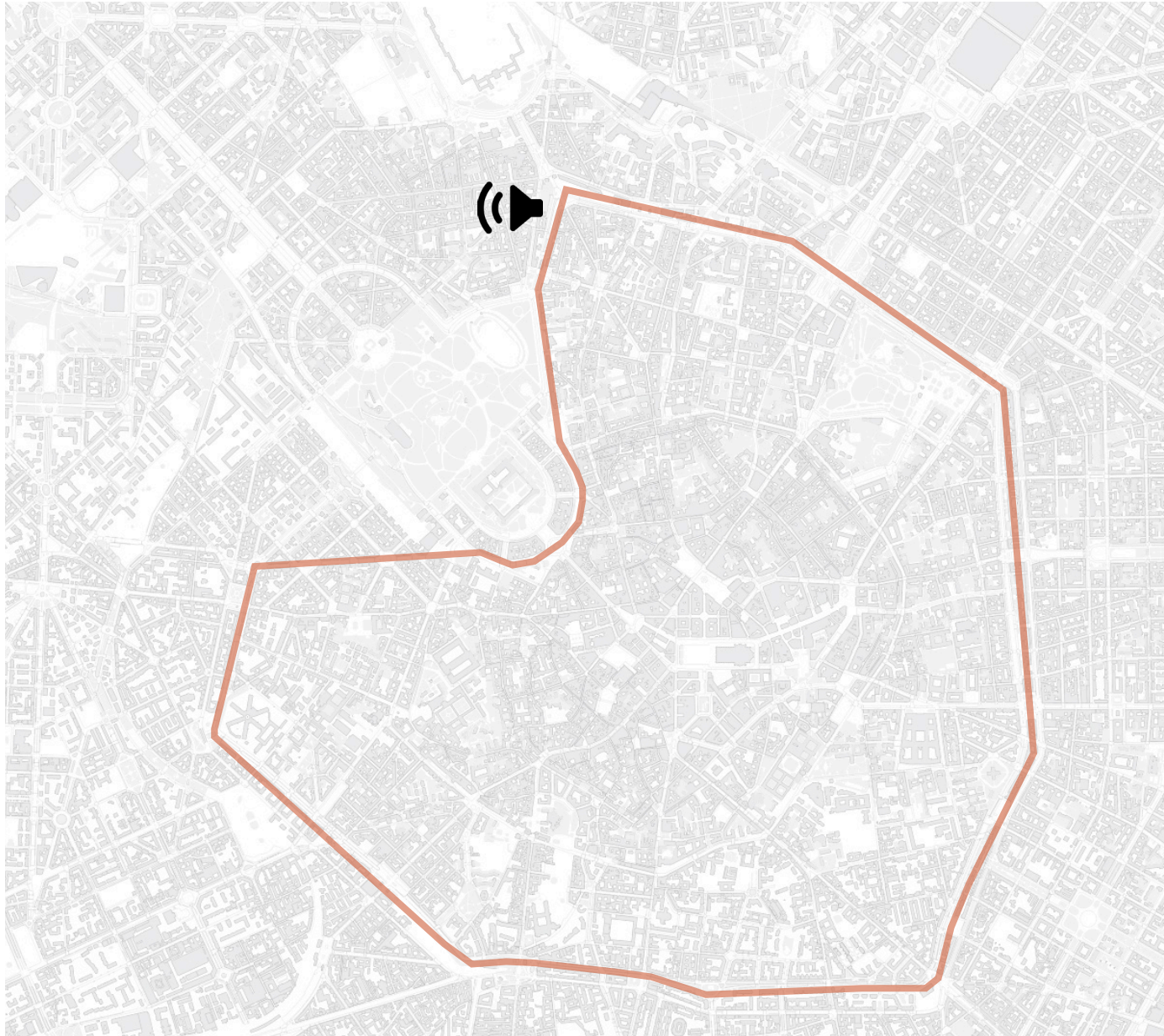


SITE



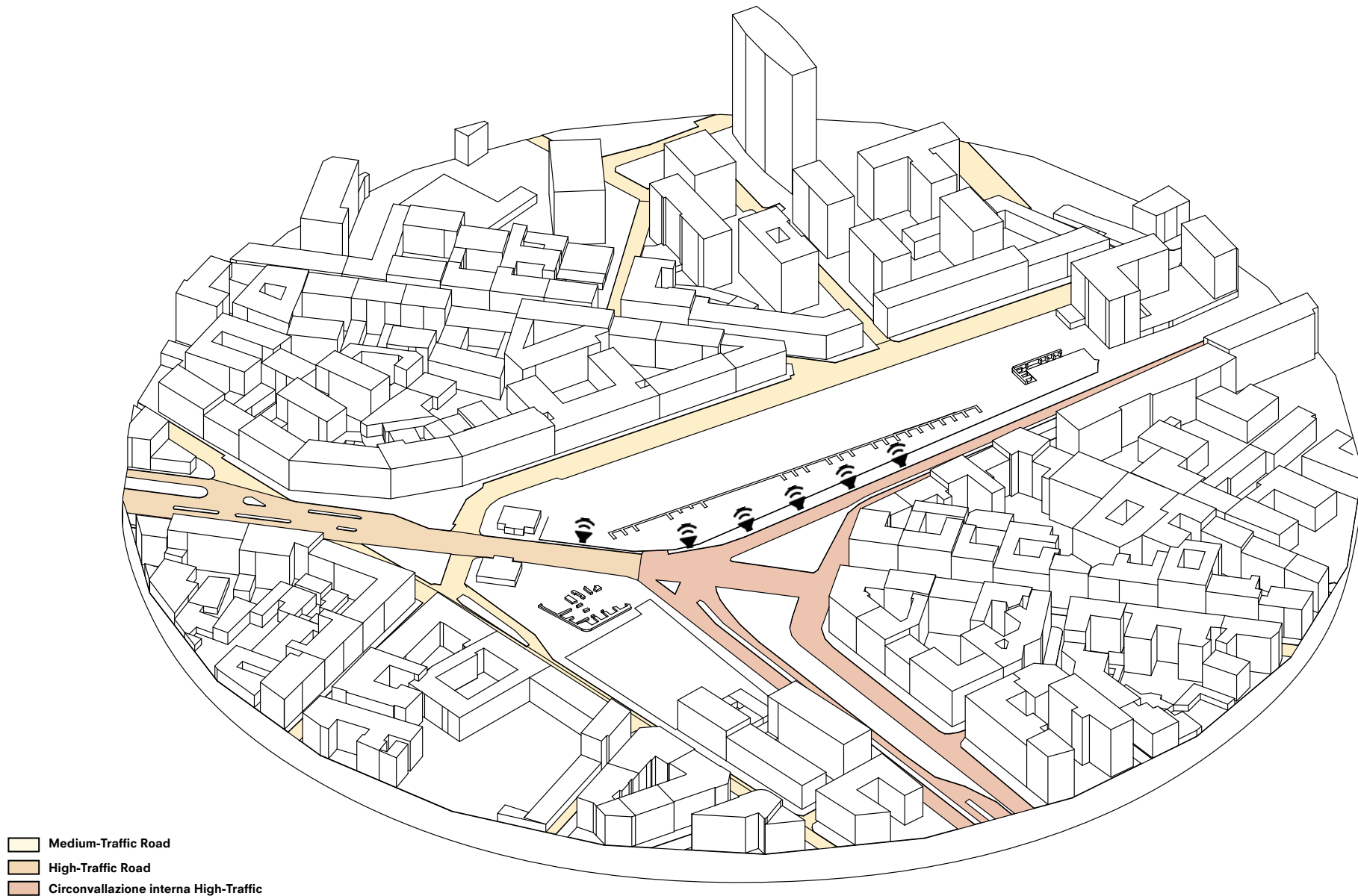
Transition zone

SITE

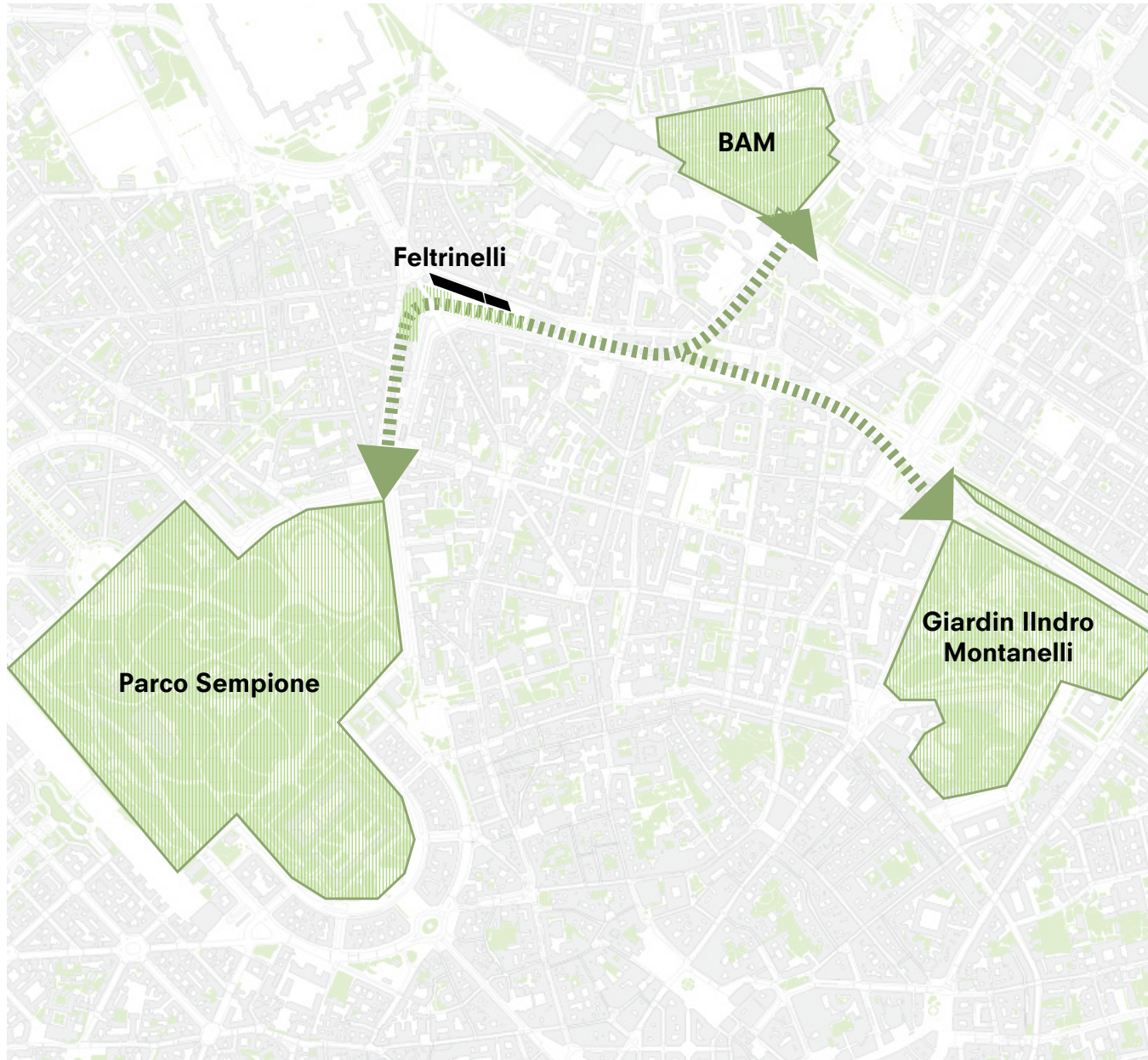


Circonvallazione Interna

SITE

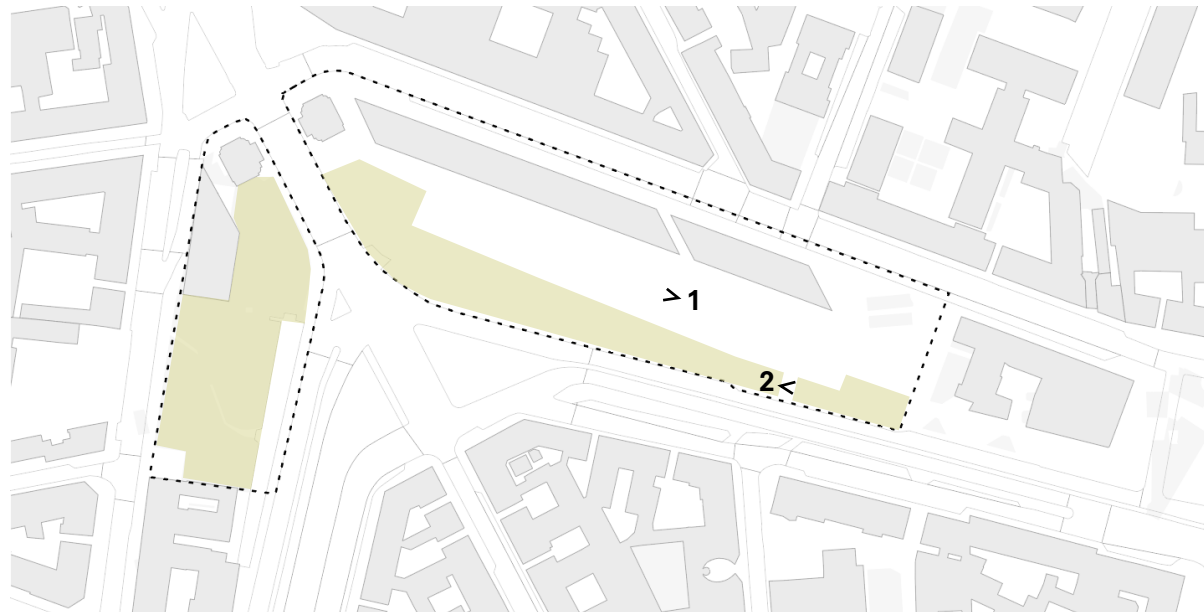


SITE



Municipality ambition

SITE

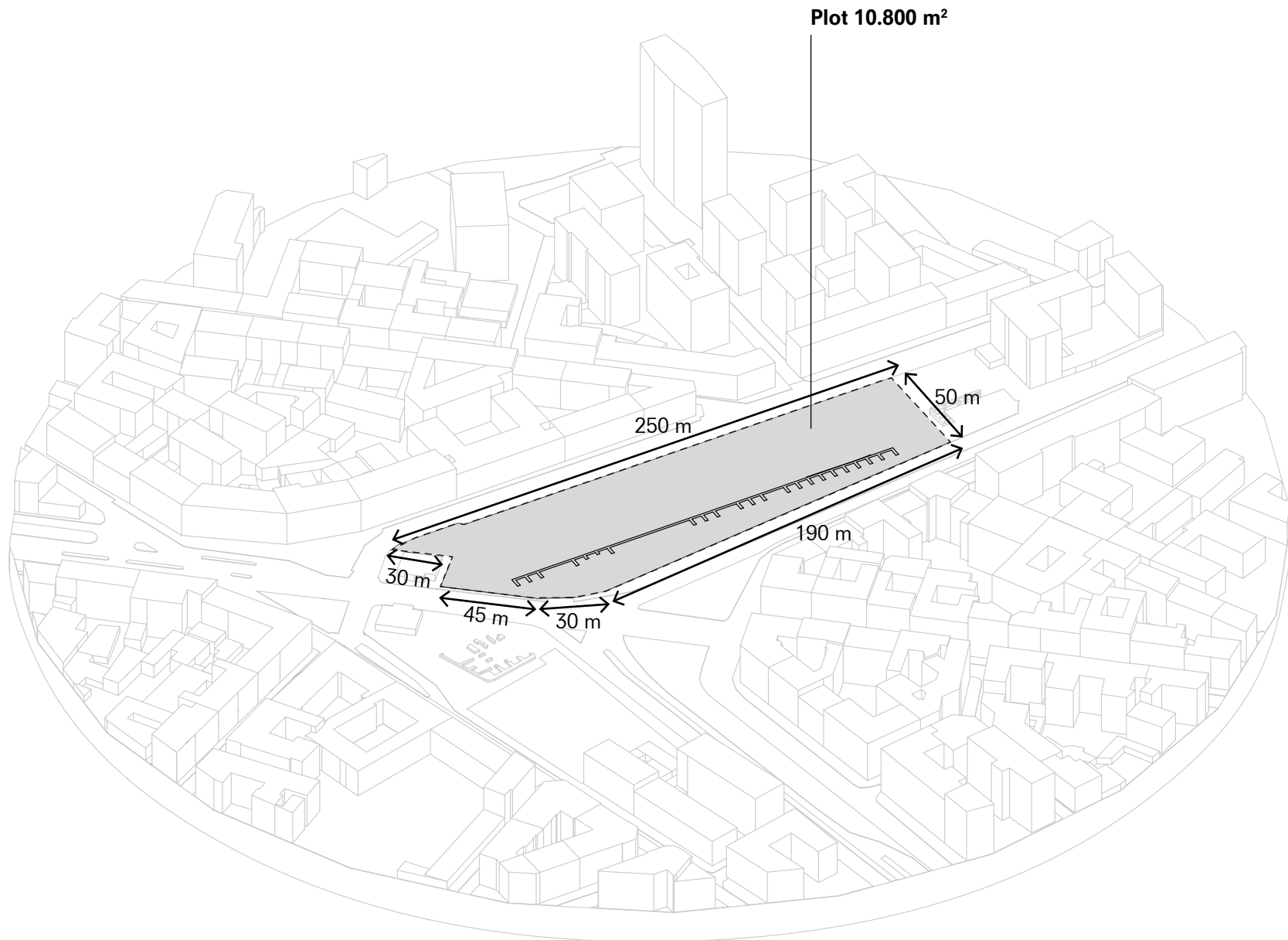


Current situation (empty and uninviting)

SITE



PLOT



Introduction

Design brief

Volume study

Concept

Implementation

Conclusion

volume study

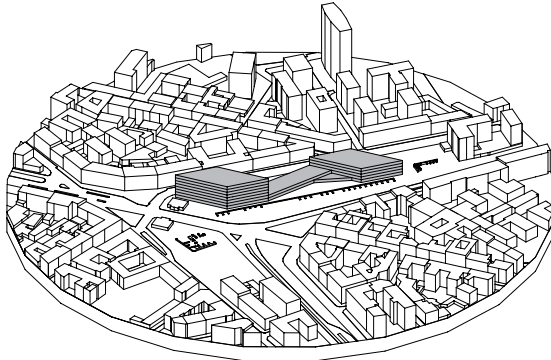
VOLUME SCORING SYSTEM

Site	Accessibility	
	Green boulevard concept	
	Sound barrier	
	Landmark	
	Archeological findings	
	Building as transition	
Program	Connection of functions	
	Creates a routing	
	Creates interaction spaces	
Client	Inviting	
	Sustainable	
	Feels as one building	

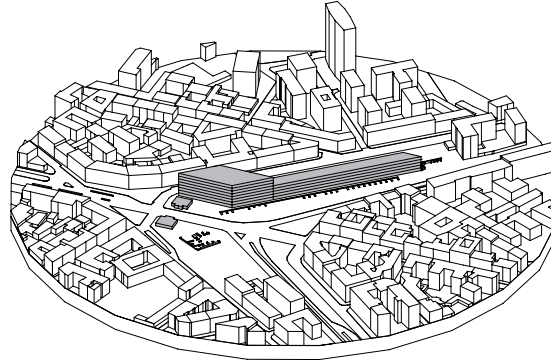
This list of criteria has been compiled based on the conclusions from the design brief

3 X 3 MASSING

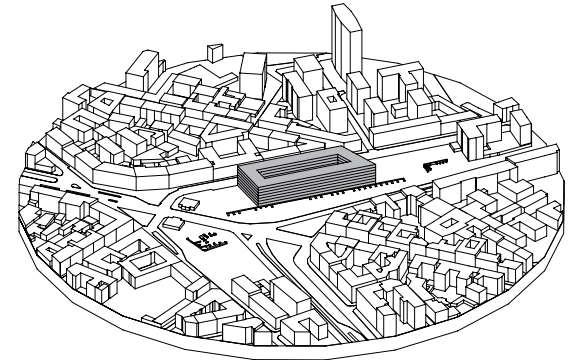
Site



Green boulevard

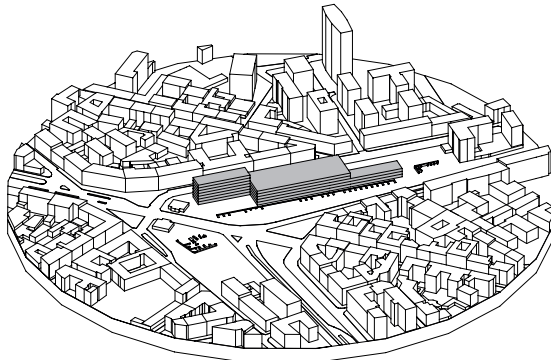


Sound barrier

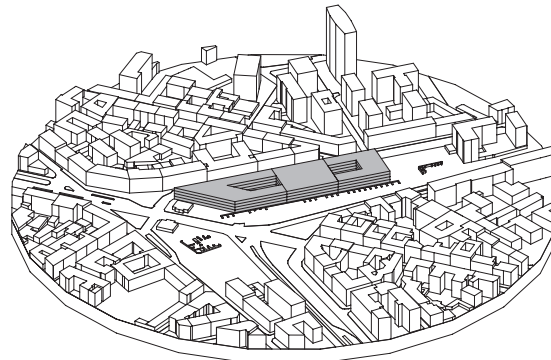


Courtyard

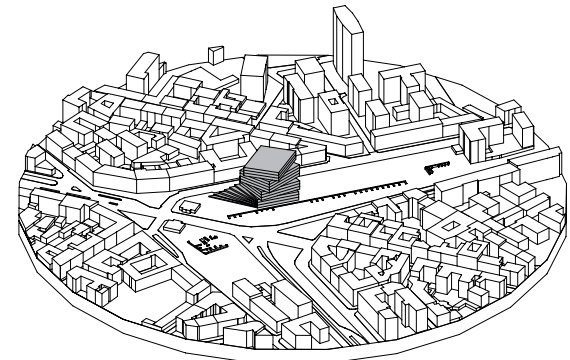
Program



Extroverted program

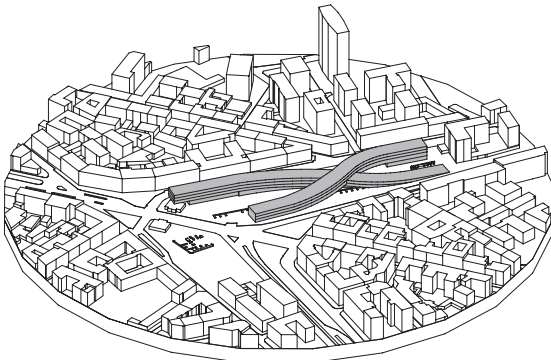


Introverted program

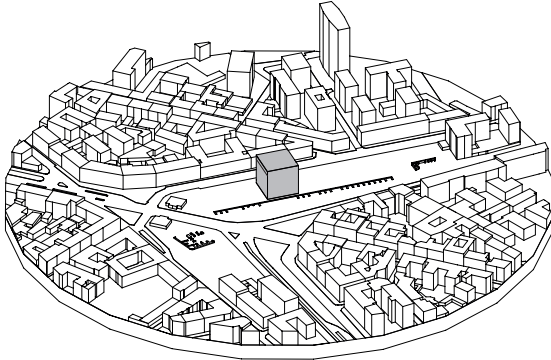


Stacked program

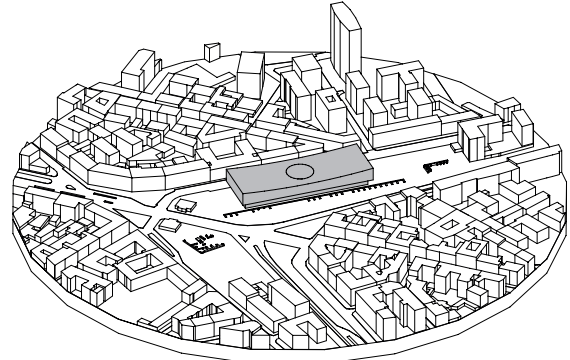
Client



Attractive



Compact



Visibility

volume study

3 X 3 MASSING

Site

Site	Accessibility	x x x x
	Green boulevard concept	x x x x
	Sound barrier	x x x x
	Landmark	x x x x
	Archeological findings	x x x x
Program	Building as transition	x x x x
	Connection of functions	x x x
	Creates a routing	x x x x x
Client	Creates interaction spaces	x x x x
	Inviting	x x x x
	Sustainable	x x x
	Feels as one building	x x x x

Green boulevard

Site	Accessibility	x x x x
	Green boulevard concept	x x x
	Sound barrier	x x x x x
	Landmark	x x x
	Archeological findings	x x x x
Program	Building as transition	x x
	Connection of functions	x x x
	Creates a routing	x x
Client	Creates interaction spaces	x x x x
	Inviting	x x x
	Sustainable	x x
	Feels as one building	x x x

Sound barrier

Site	Accessibility	x x x x x
	Green boulevard concept	x x x x
	Sound barrier	x x x x x
	Landmark	x
	Archeological findings	x x x
Program	Building as transition	x x x
	Connection of functions	x x
	Creates a routing	x x x
Client	Creates interaction spaces	x x x x x
	Inviting	x x
	Sustainable	x x
	Feels as one building	x x x x

Courtyard

Program

Site	Accessibility	x x x x
	Green boulevard concept	x x x
	Sound barrier	x x x
	Landmark	x x x
	Archeological findings	x x x x
Program	Building as transition	x x x
	Connection of functions	x x x x
	Creates a routing	x x x
Client	Creates interaction spaces	x x x
	Inviting	x x x
	Sustainable	x x
	Feels as one building	x x x x

Extroverted program

Site	Accessibility	x x x x
	Green boulevard concept	x x x
	Sound barrier	x x x x x
	Landmark	x x
	Archeological findings	x x x x
Program	Building as transition	x x
	Connection of functions	x x x x x
	Creates a routing	x x x x
Client	Creates interaction spaces	x x x x
	Inviting	x x
	Sustainable	x x x
	Feels as one building	x x x x x

Introverted program

Site	Accessibility	x x x x
	Green boulevard concept	x x x
	Sound barrier	x
	Landmark	x x x x x
	Archeological findings	x x x x
Program	Building as transition	x
	Connection of functions	x x x x
	Creates a routing	x x x
Client	Creates interaction spaces	x x x x
	Inviting	x x x x x
	Sustainable	x x x x
	Feels as one building	x x x x x

Stacked program

Client

Site	Accessibility	x x x x x
	Green boulevard concept	x x x x x
	Sound barrier	x x x x x
	Landmark	x x x x x
	Archeological findings	x x x
Program	Building as transition	x x x x
	Connection of functions	x x x
	Creates a routing	x x x x x
Client	Creates interaction spaces	x x x x x
	Inviting	x x x x
	Sustainable	x x
	Feels as one building	x x x x x

Attractive

Site	Accessibility	x x x x x
	Green boulevard concept	x x x x x
	Sound barrier	x x
	Landmark	x x x x x
	Archeological findings	x x x x x
Program	Building as transition	x x
	Connection of functions	x x x x x
	Creates a routing	x x
Client	Creates interaction spaces	x x x
	Inviting	x x x x
	Sustainable	x x x x x
	Feels as one building	x x x x x

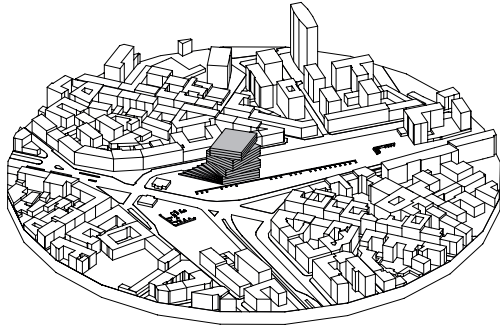
Compact

Site	Accessibility	x x x x x
	Green boulevard concept	x x x x x
	Sound barrier	x x x x
	Landmark	x x x x
	Archeological findings	x x x x
Program	Building as transition	x x x x
	Connection of functions	x x x x
	Creates a routing	x x x x
Client	Creates interaction spaces	x x x x x
	Inviting	x x x x x
	Sustainable	x x x x
	Feels as one building	x x x x x

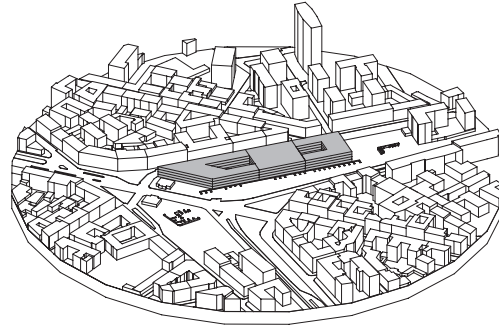
Visibility

volume study

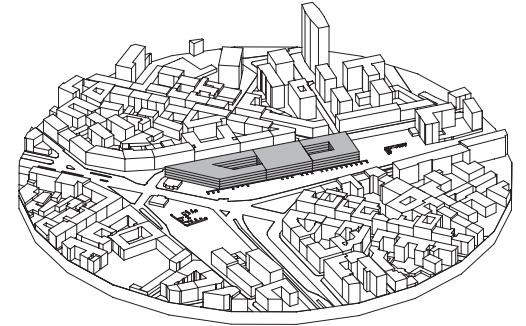
COMBINATIONS



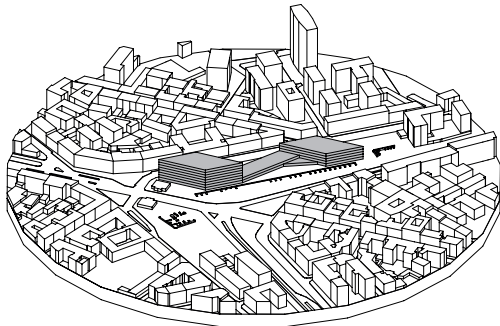
+



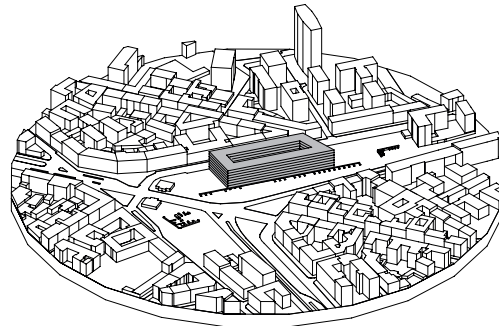
+



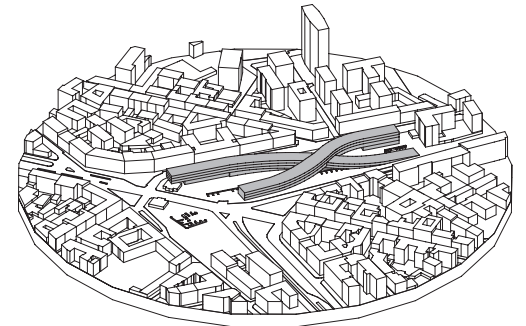
+



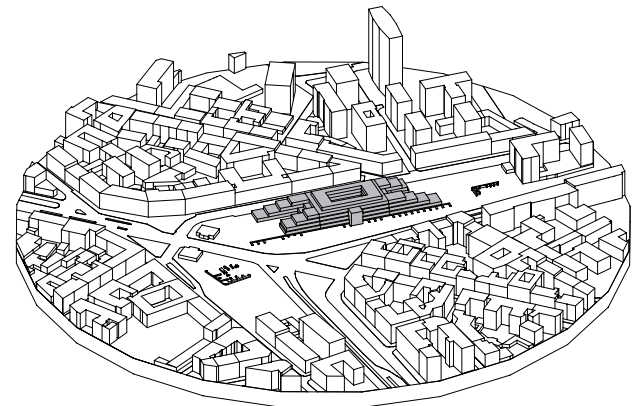
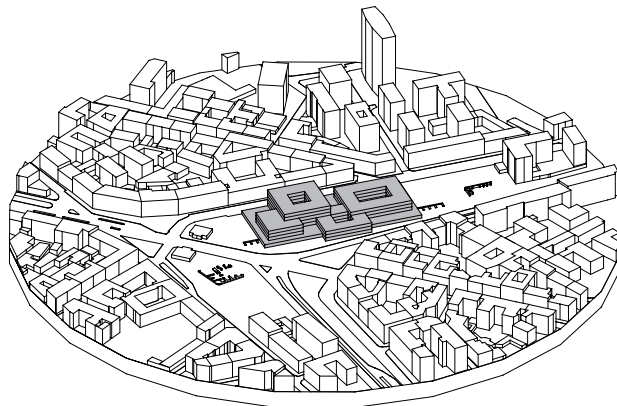
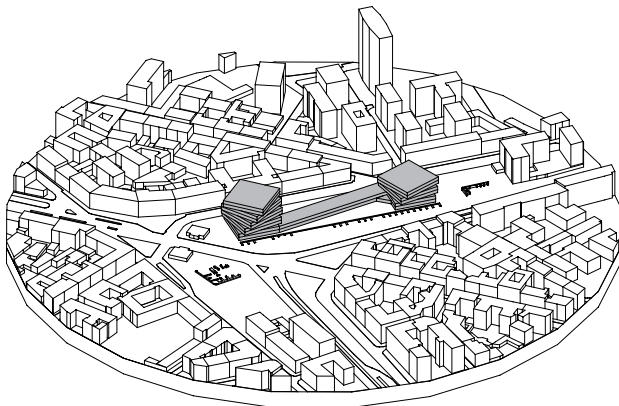
=



=

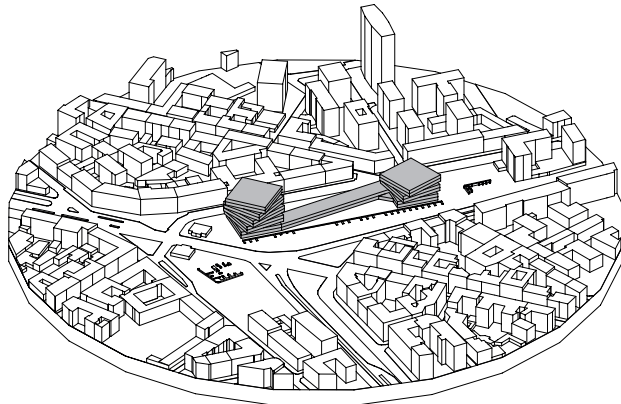


=

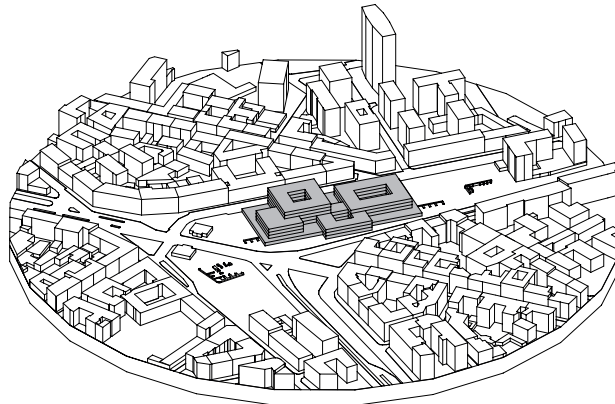


volume study

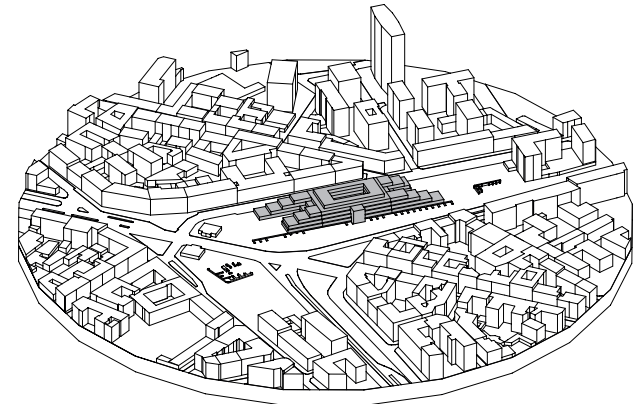
COMBINATIONS



Landmark/green boulevard



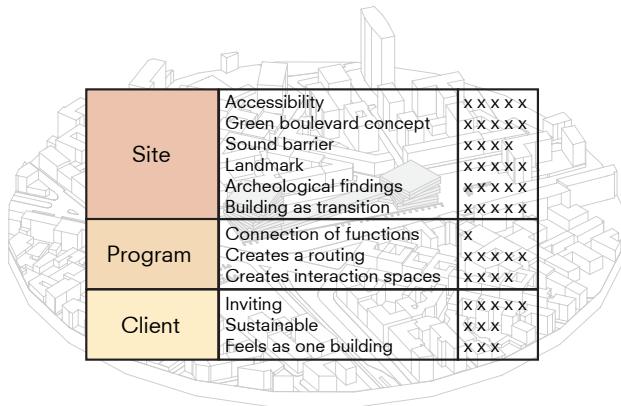
Program around courtyards



Green hill

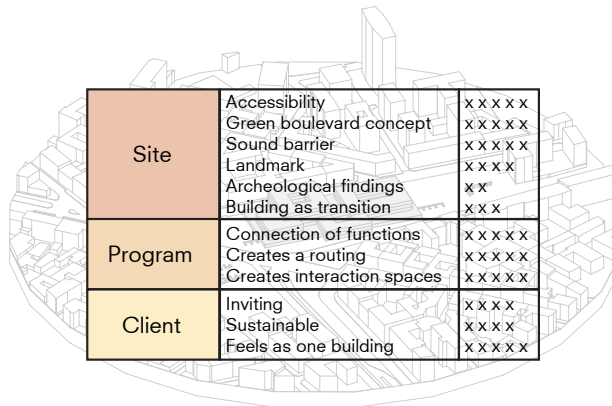
volume study

COMBINATIONS



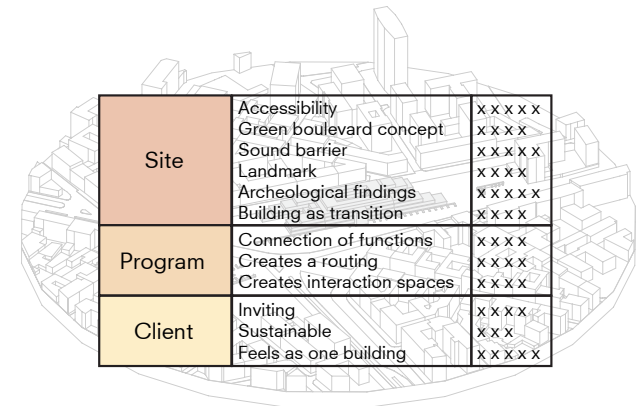
Site	Accessibility	x x x x x
	Green boulevard concept	x x x x x
	Sound barrier	x x x x
	Landmark	x x x x x
	Archeological findings	x x x x x
Program	Building as transition	x x x x x
	Connection of functions	x
	Creates a routing	x x x x x
Client	Creates interaction spaces	x x x x
	Inviting	x x x x x
	Sustainable	x x x
	Feels as one building	x x x

Landmark/green boulevard



Site	Accessibility	x x x x x
	Green boulevard concept	x x x x x
	Sound barrier	x x x x x
	Landmark	x x x x
	Archeological findings	x x
Program	Building as transition	x x x
	Connection of functions	x x x x x
	Creates a routing	x x x x x
Client	Creates interaction spaces	x x x x x
	Inviting	x x x x
	Sustainable	x x x x
	Feels as one building	x x x x x

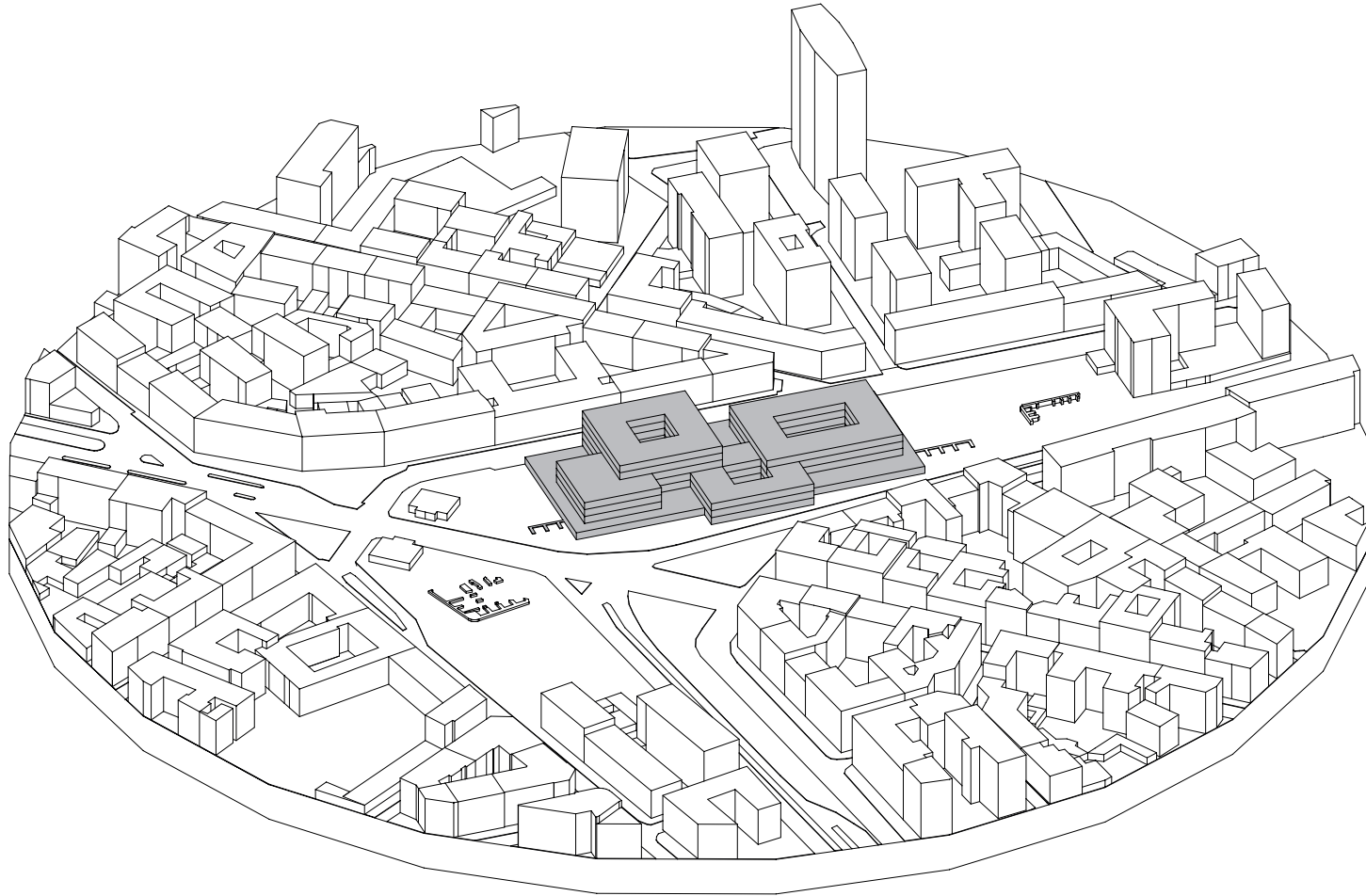
Program around courtyards



Site	Accessibility	x x x x x
	Green boulevard concept	x x x x
	Sound barrier	x x x x x
	Landmark	x x x x
	Archeological findings	x x x x x
Program	Building as transition	x x x x
	Connection of functions	x x x x
	Creates a routing	x x x x
Client	Creates interaction spaces	x x x x
	Inviting	x x x x
	Sustainable	x x x
	Feels as one building	x x x x x

Green hill

CHOSEN VOLUME TO DEVELOP



Building around courtyards

Introduction

Design brief

Volume study

Concept

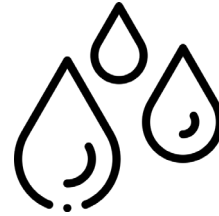
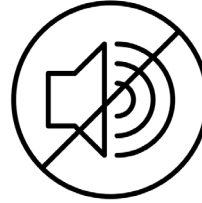
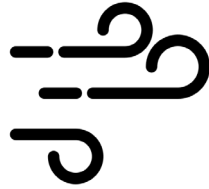
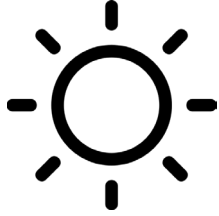
Implementation

Conclusion



concept

COURTYARD



Courtyards enhance indoor comfort.

concept

COURTYARD



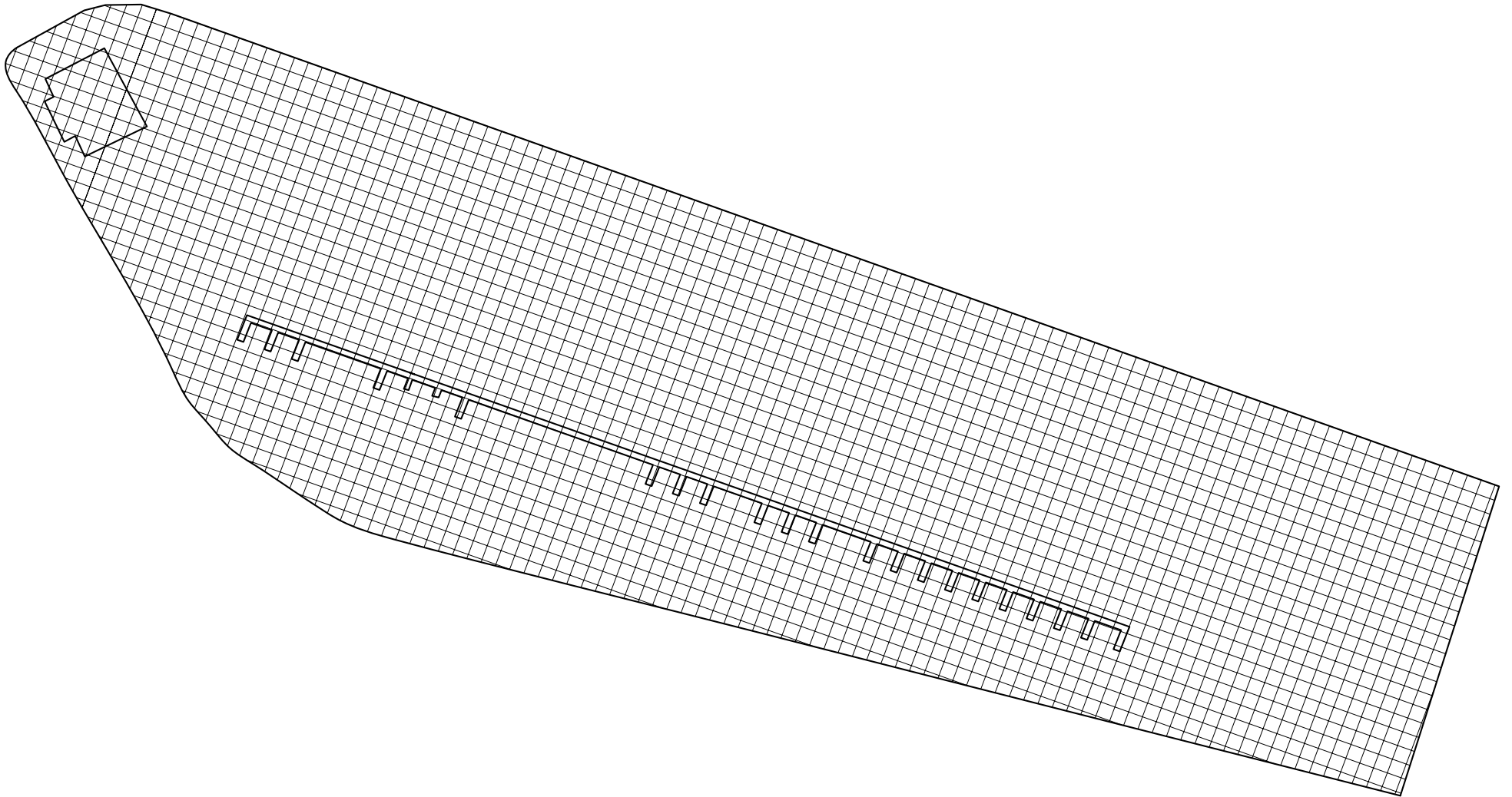
Courtyards foster informal interactions.

concept
GRID

2.7 x 2.7 meter

concept

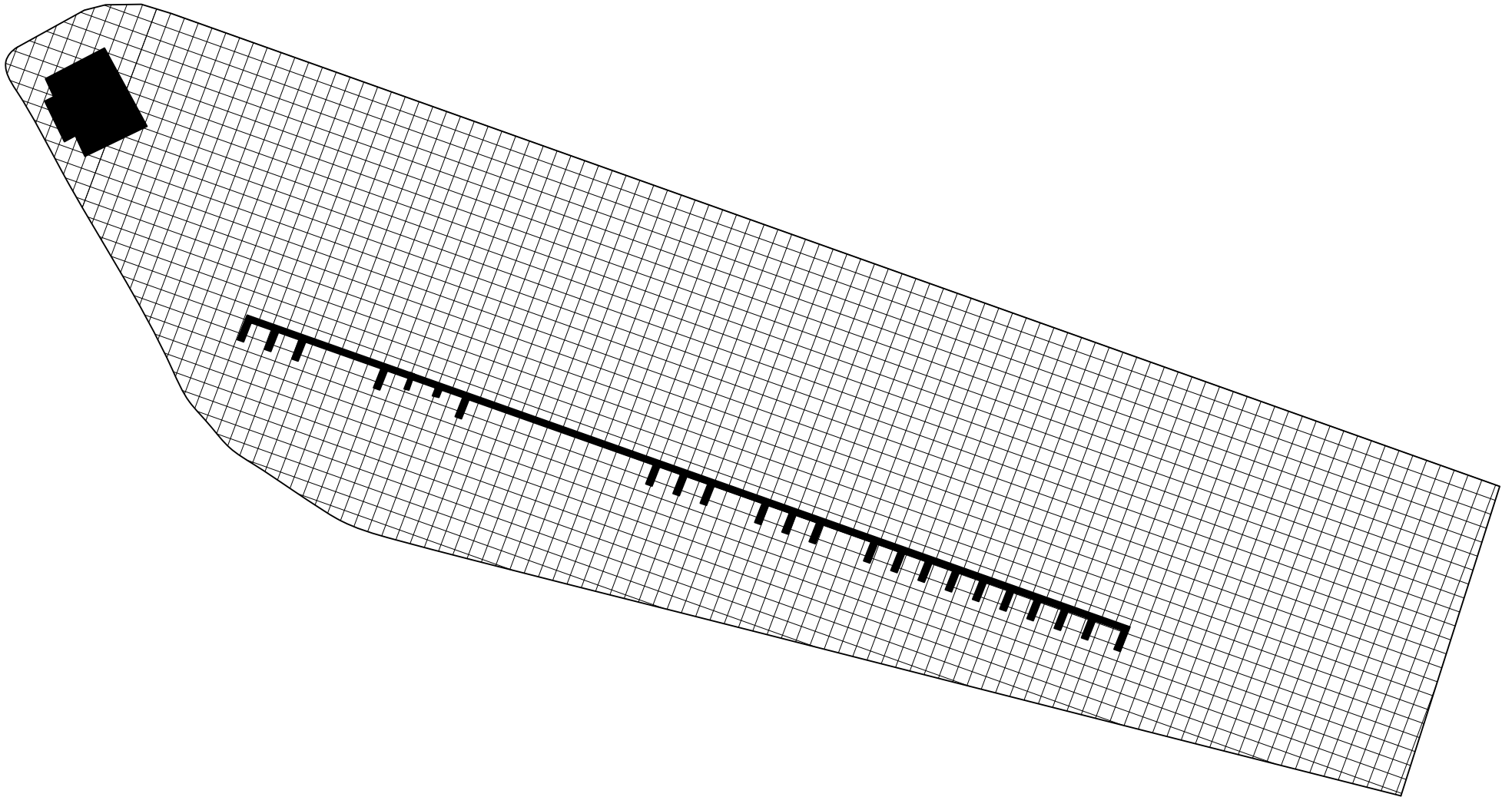
GRID ON PLOT



Grid on plot.

concept

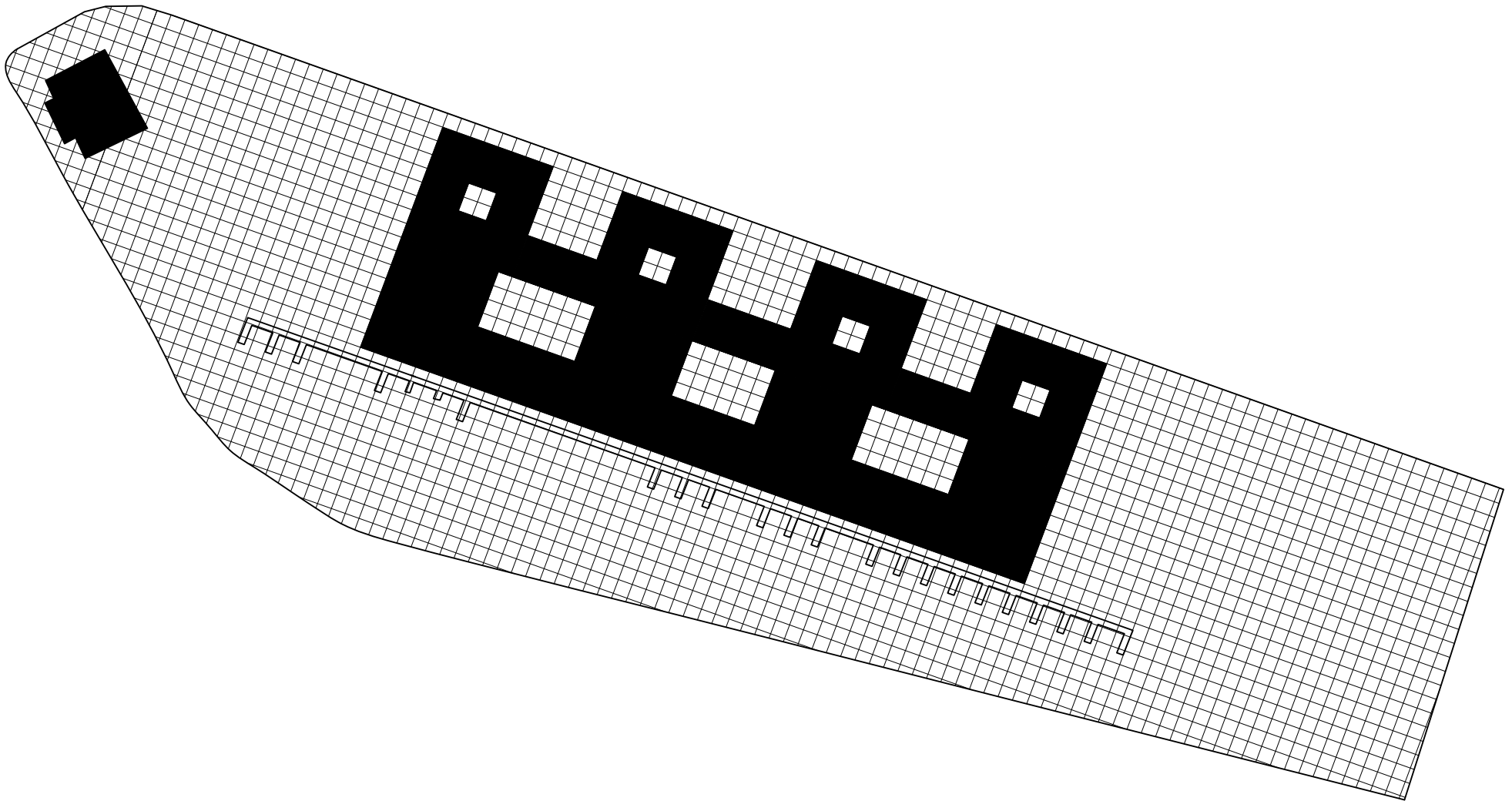
GRID ON PLOT



Archeological findings.

concept

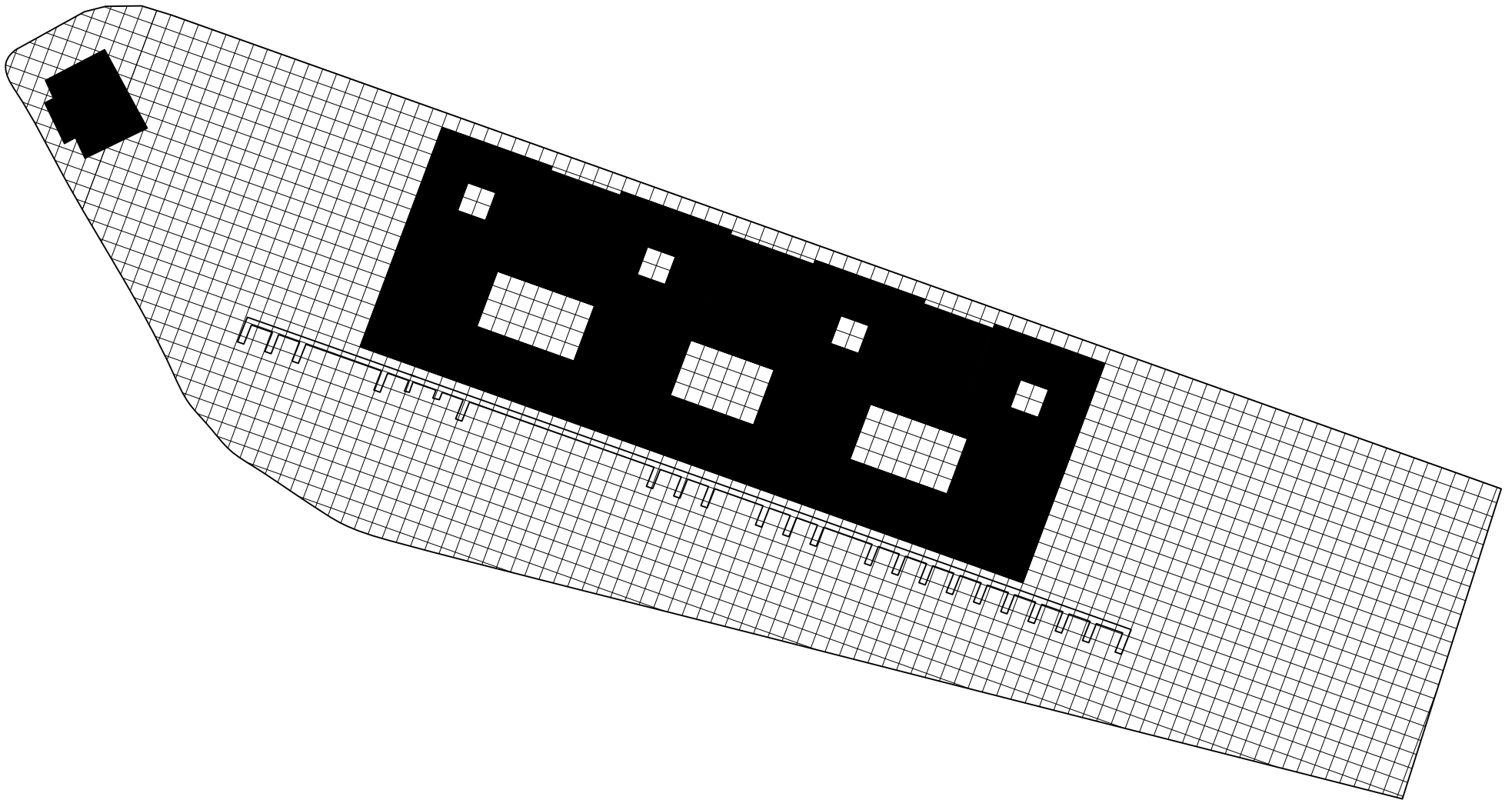
GRID ON PLOT



Courtyards & patio's.

concept

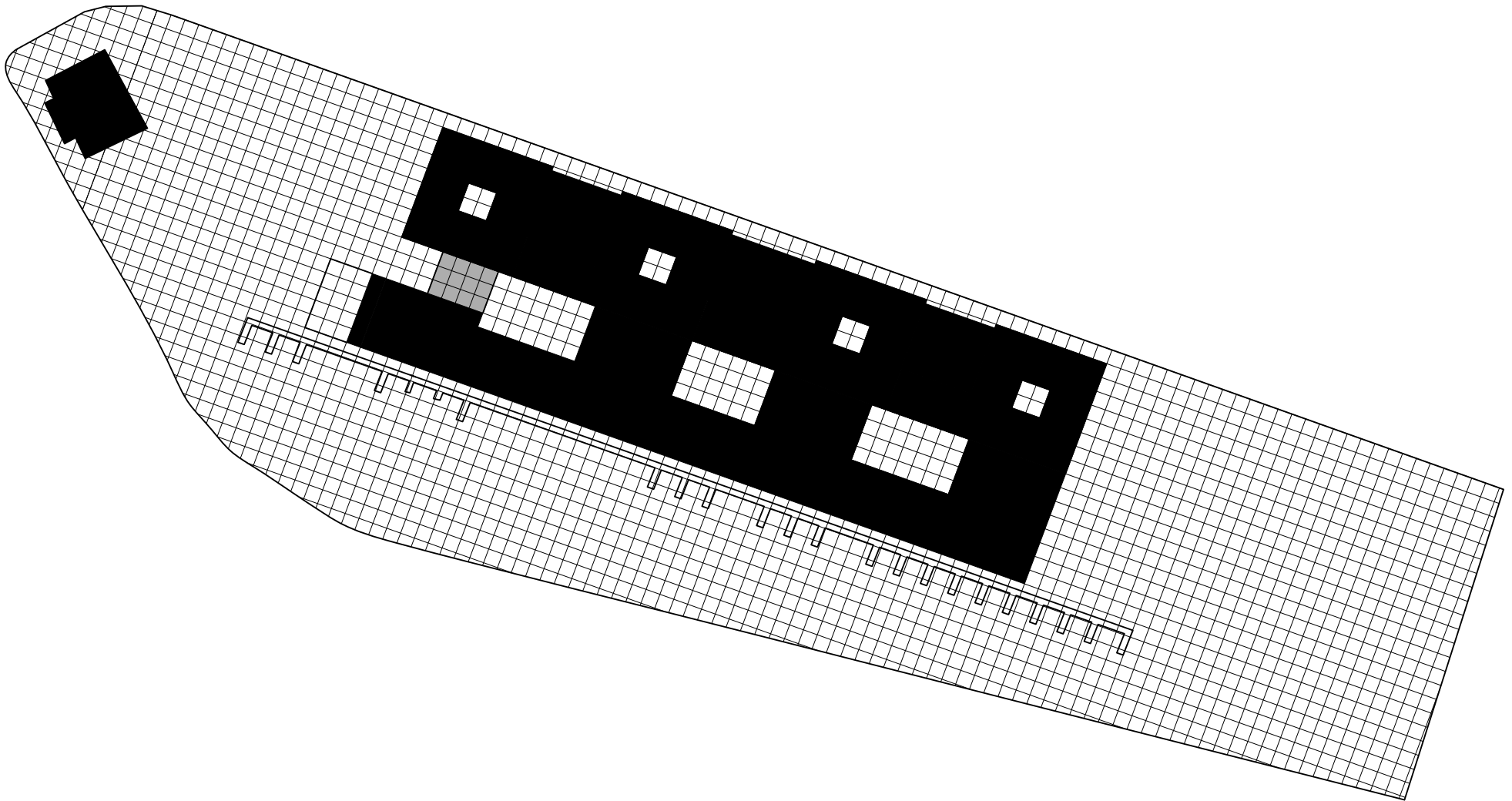
GRID ON PLOT



Closing towards streetside.

concept

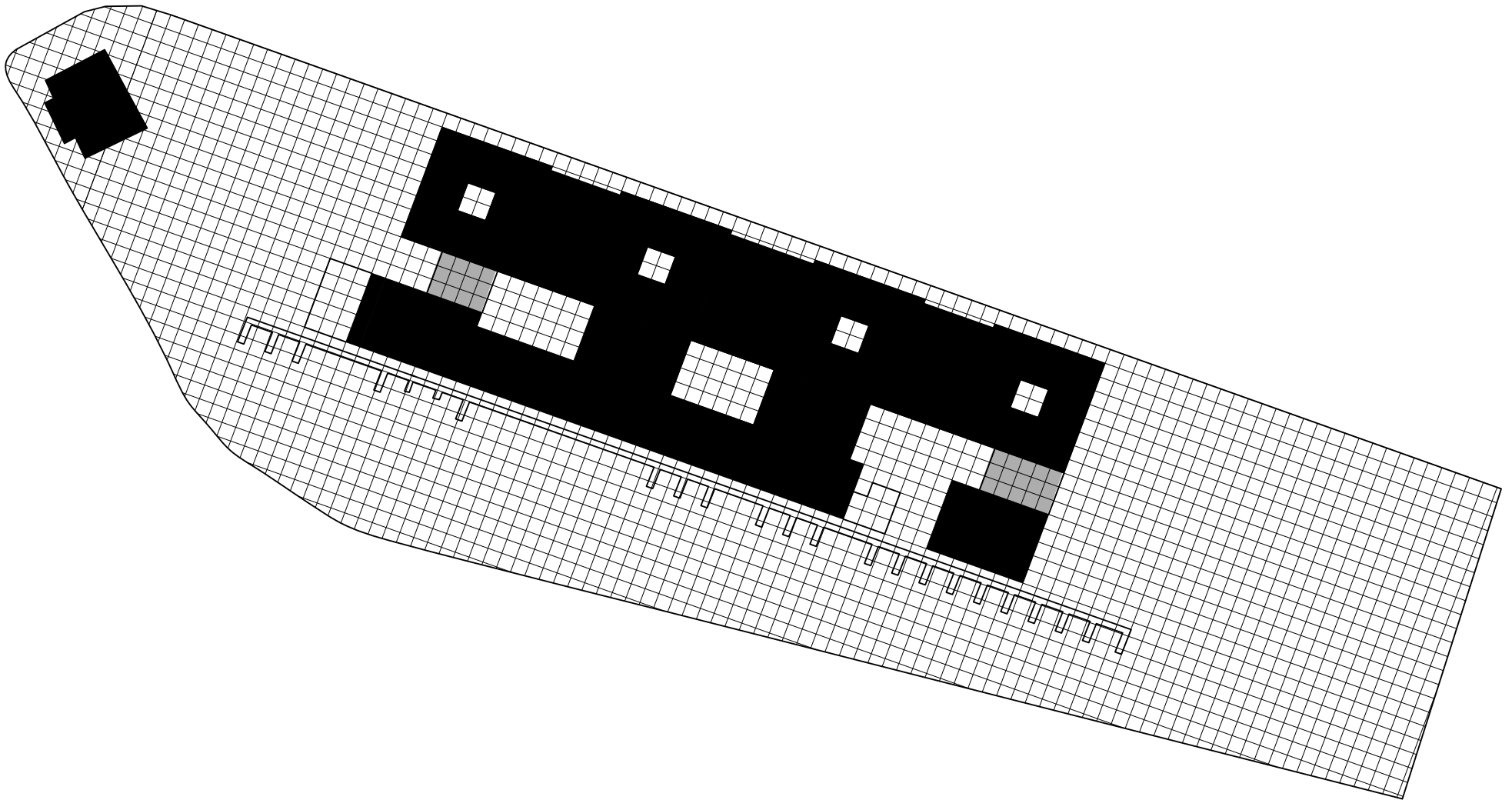
GRID ON PLOT



Opening up to the public piazza.

concept

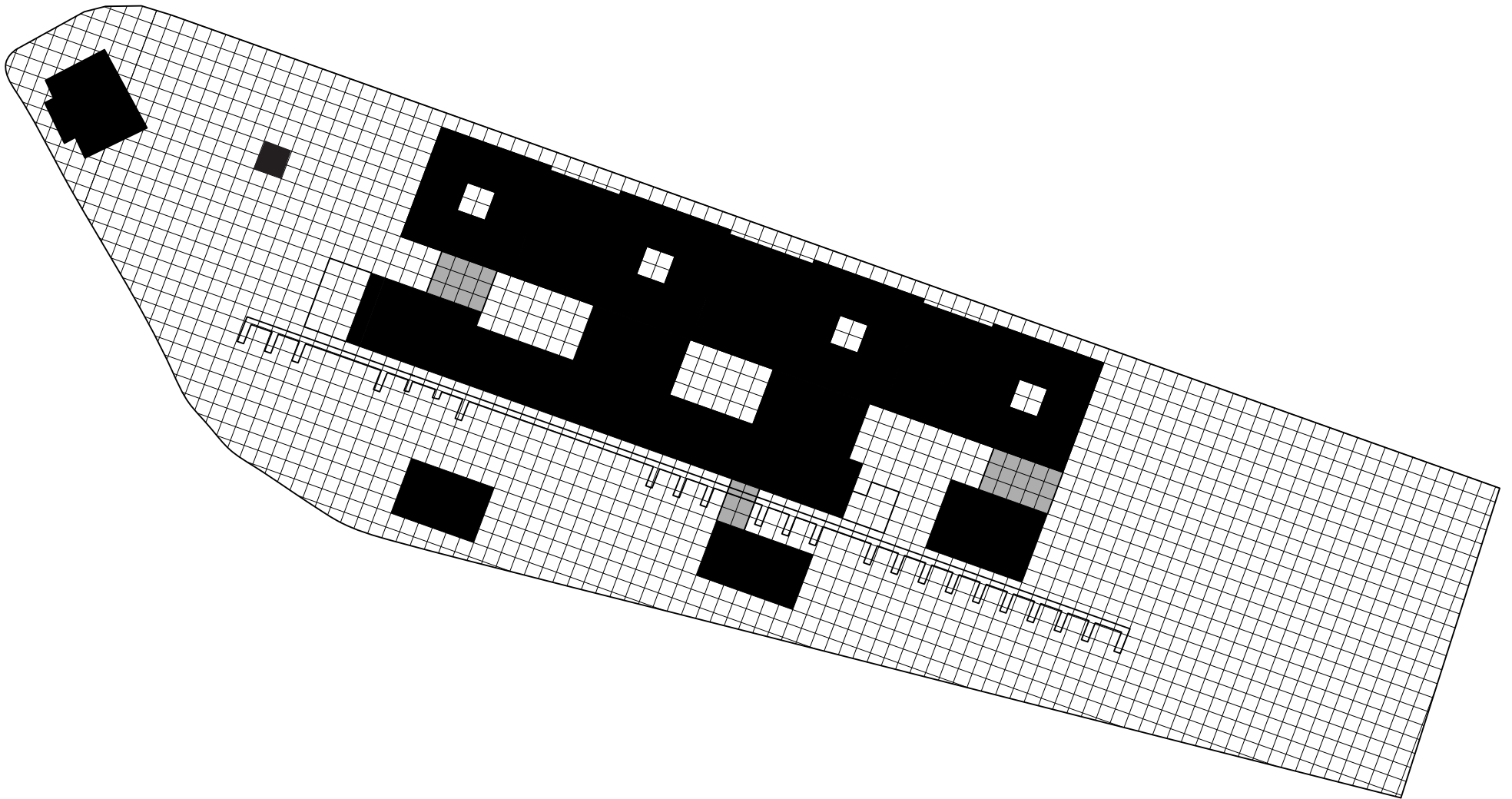
GRID ON PLOT



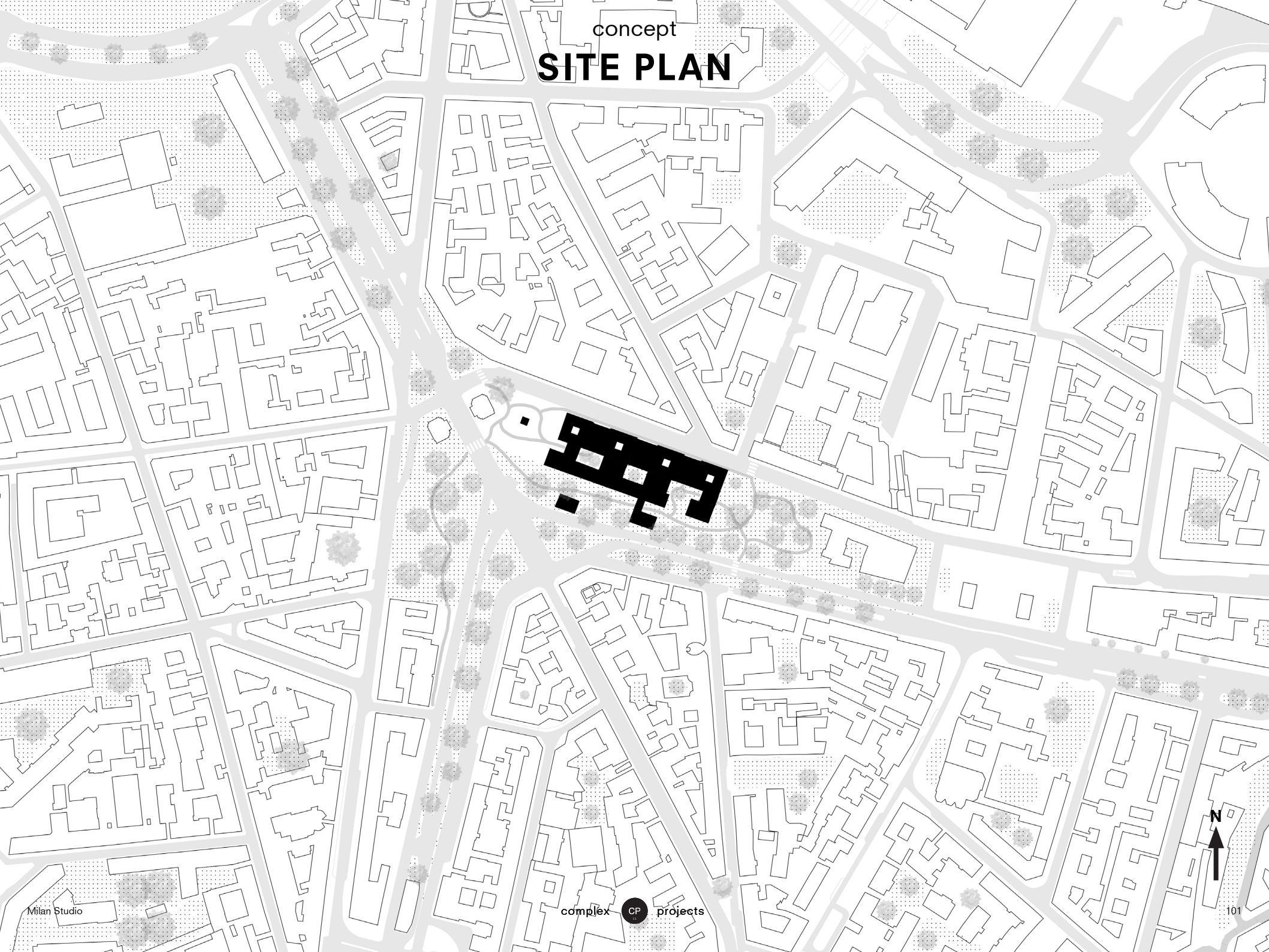
Opening up to the park side.

concept

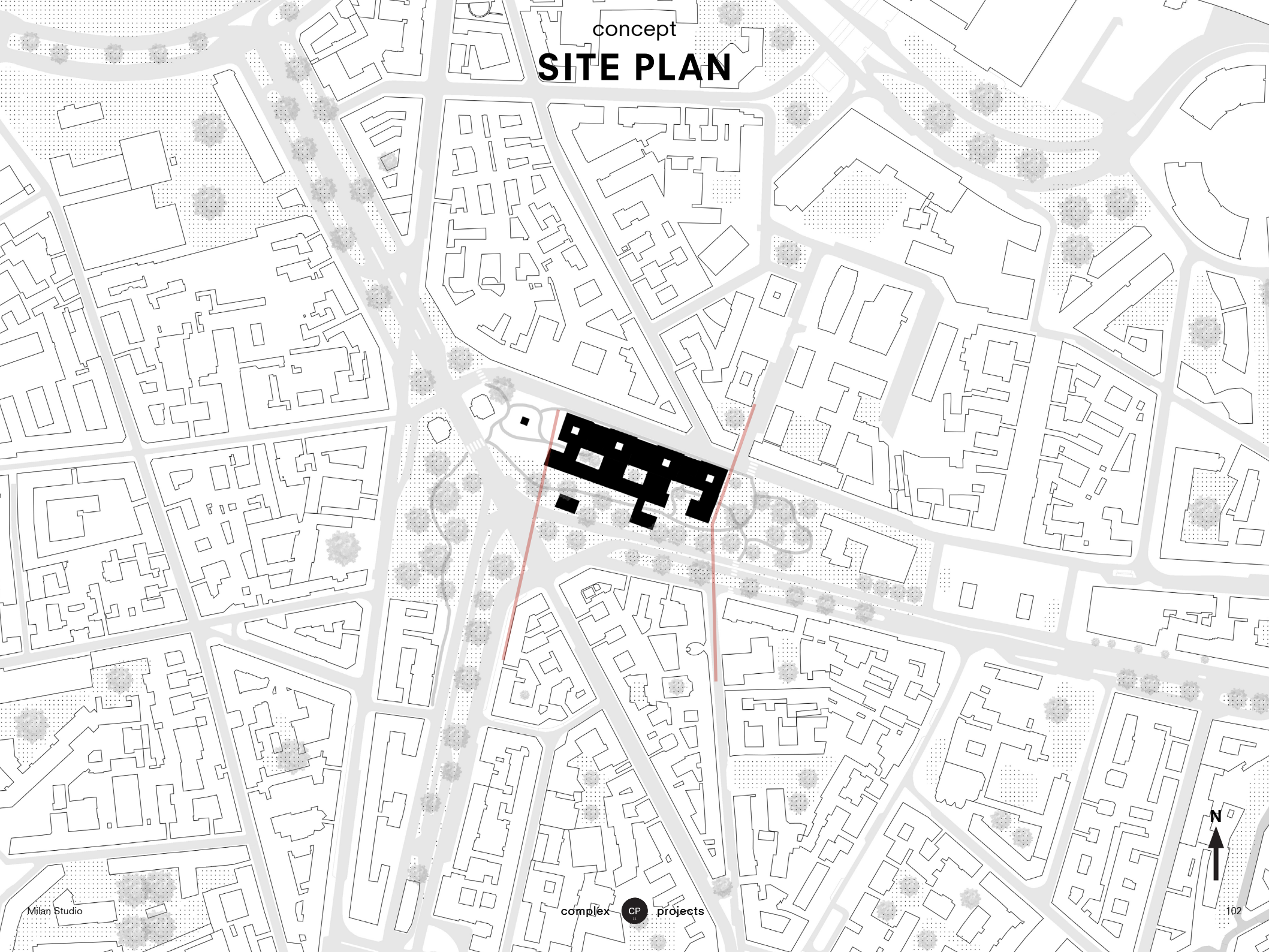
GRID ON PLOT



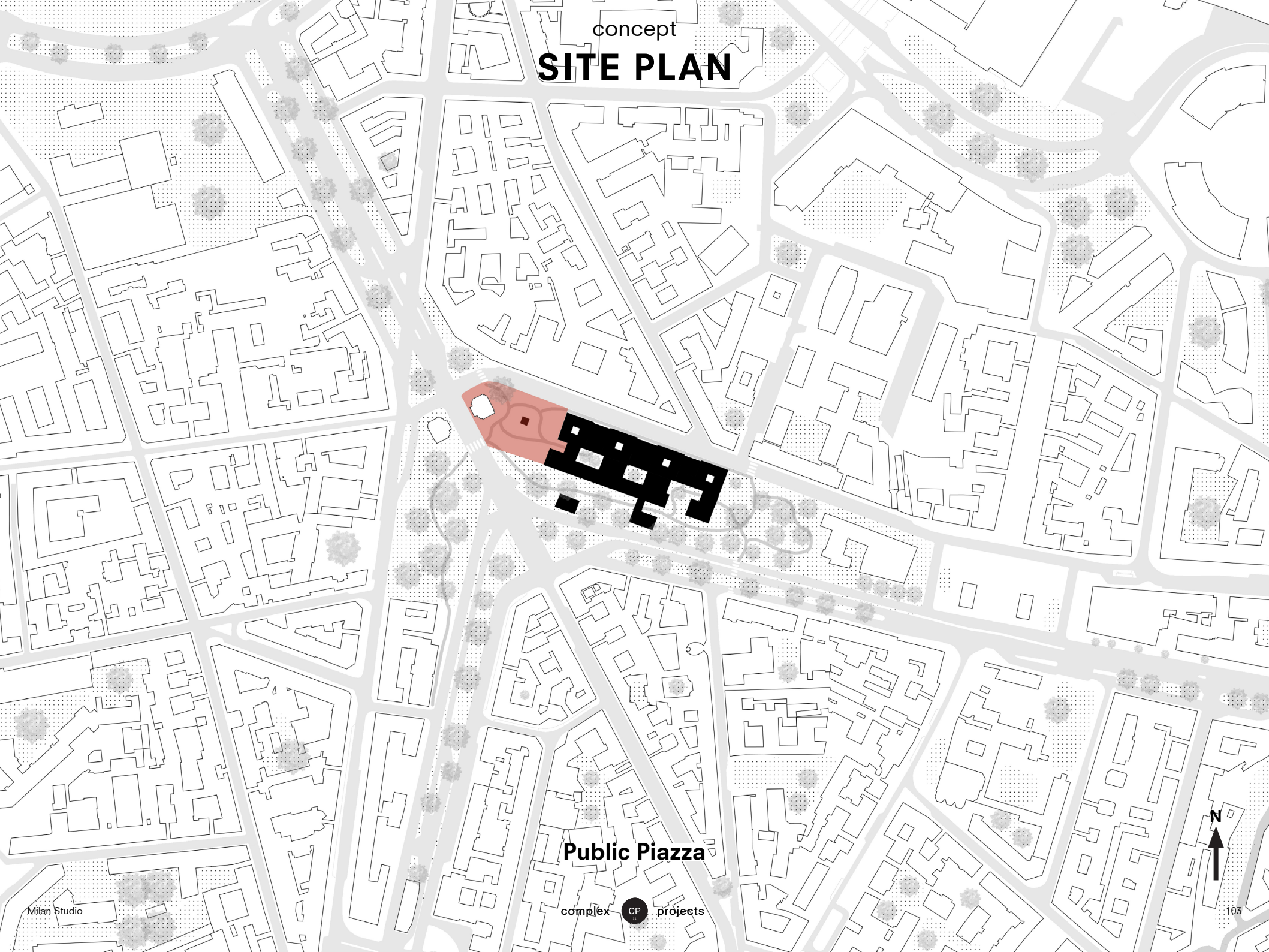
concept
SITE PLAN



concept
SITE PLAN

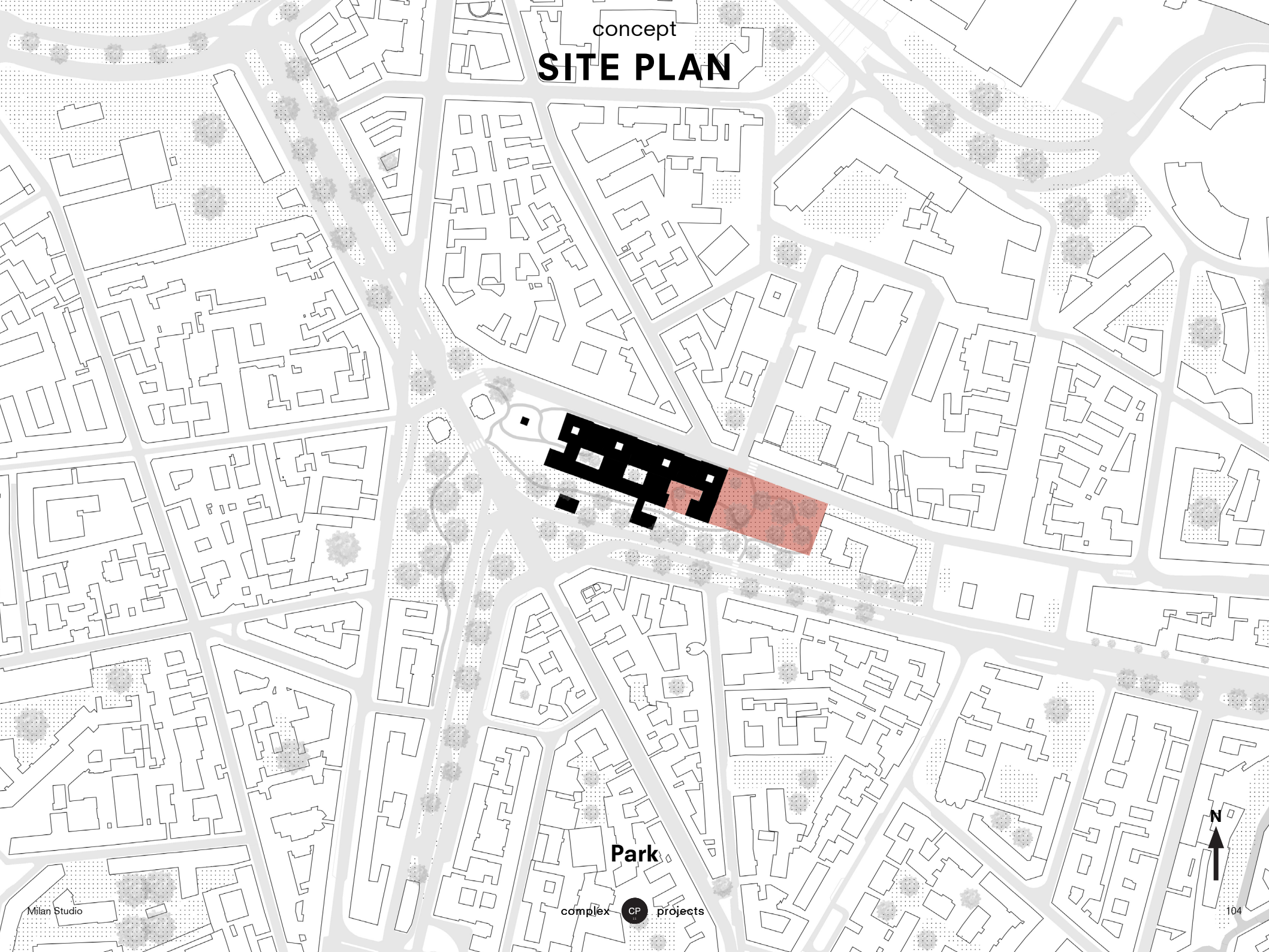


concept
SITE PLAN



Public Piazza

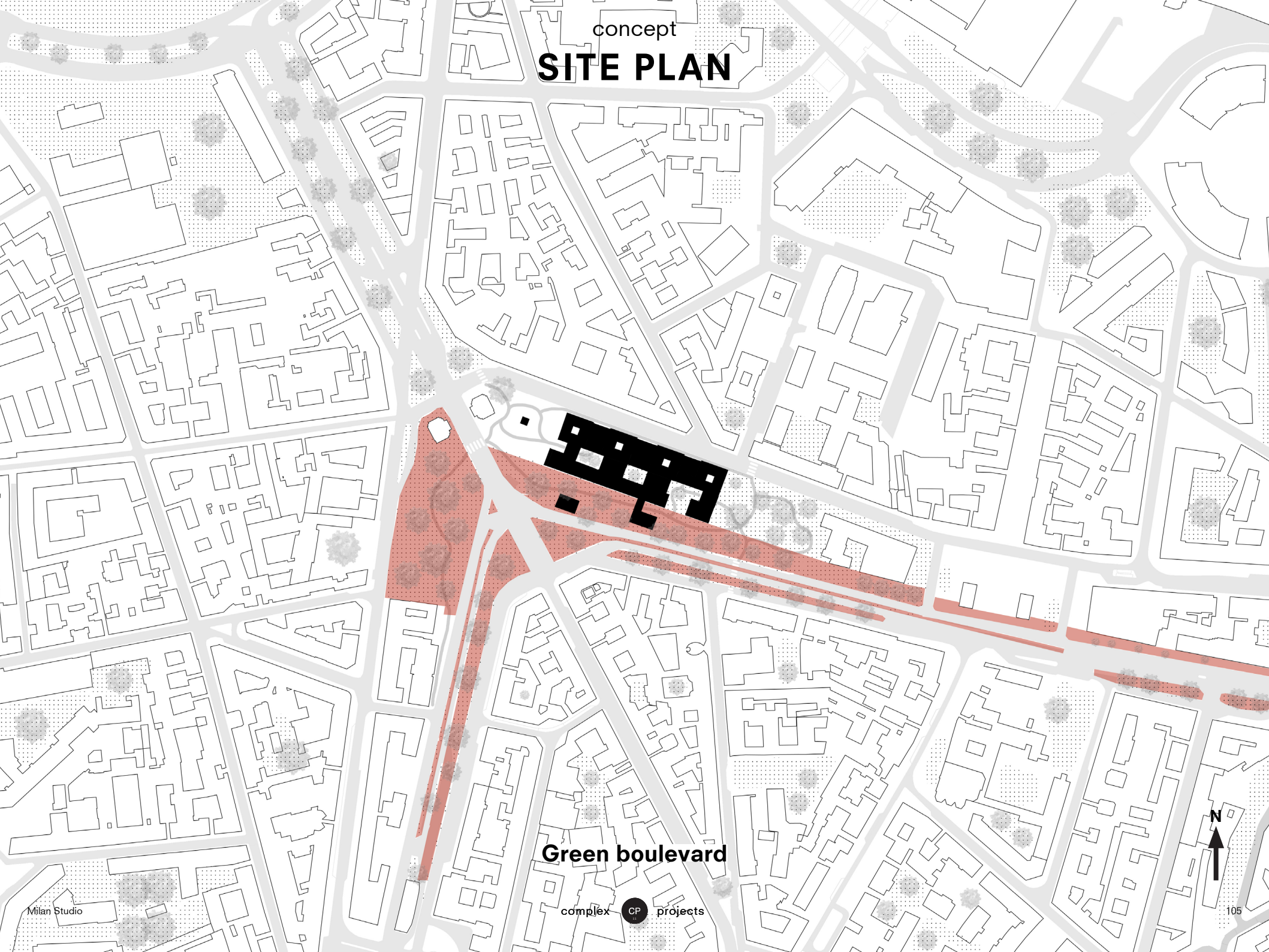
concept
SITE PLAN



Park

complex **CP** projects

concept
SITE PLAN



Green boulevard

concept
SITE PLAN



Public passage

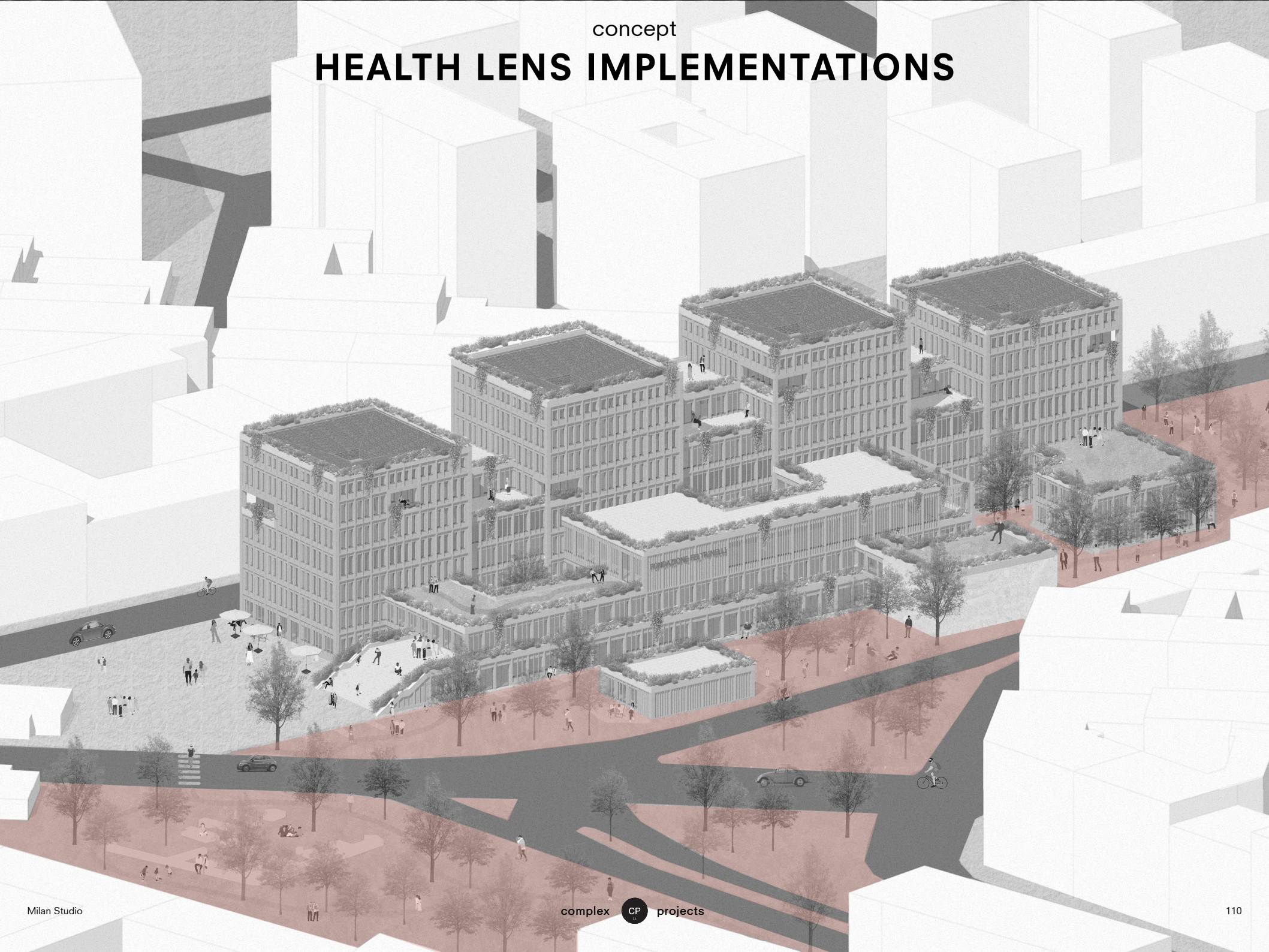






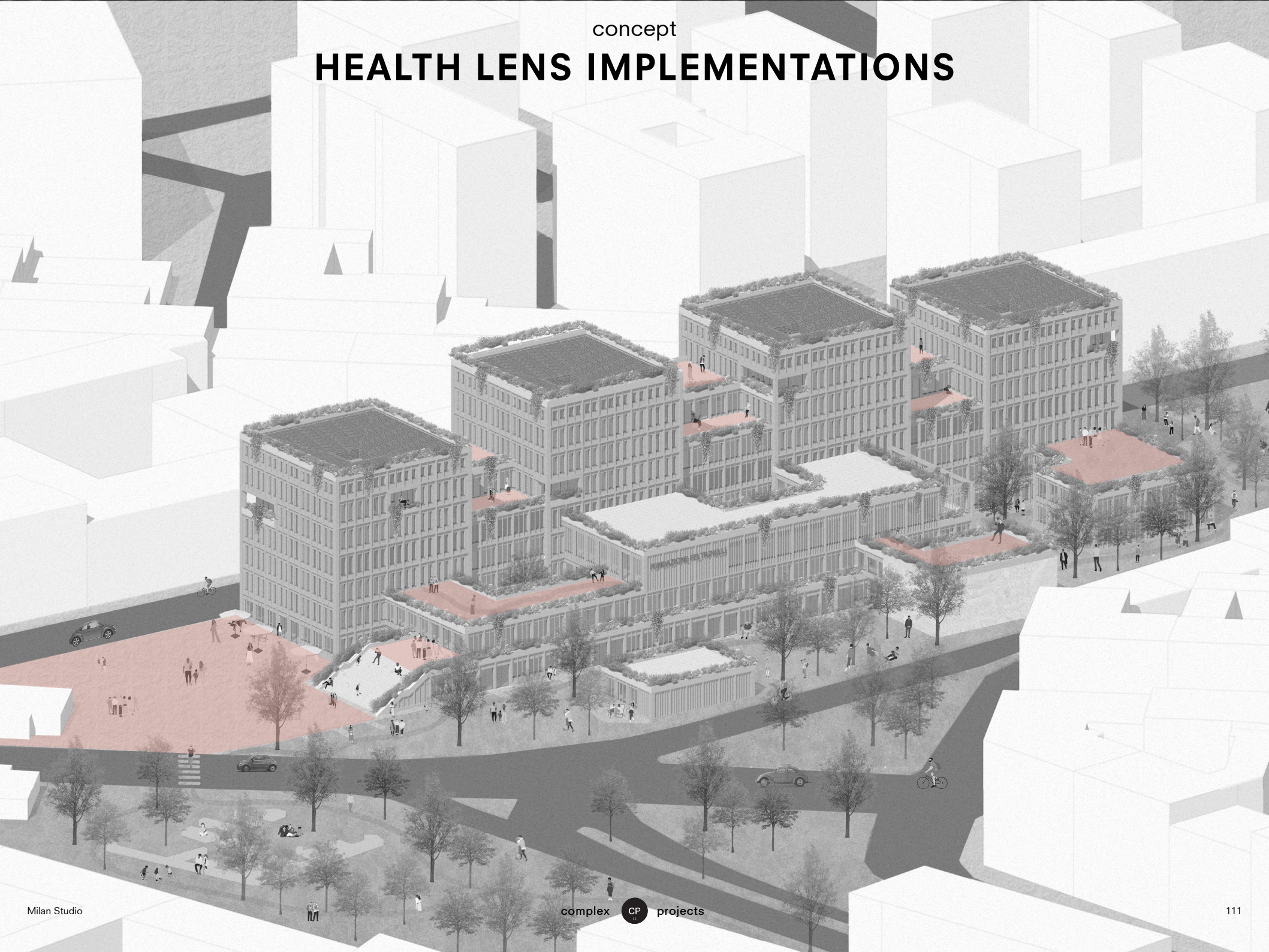
concept

HEALTH LENS IMPLEMENTATIONS



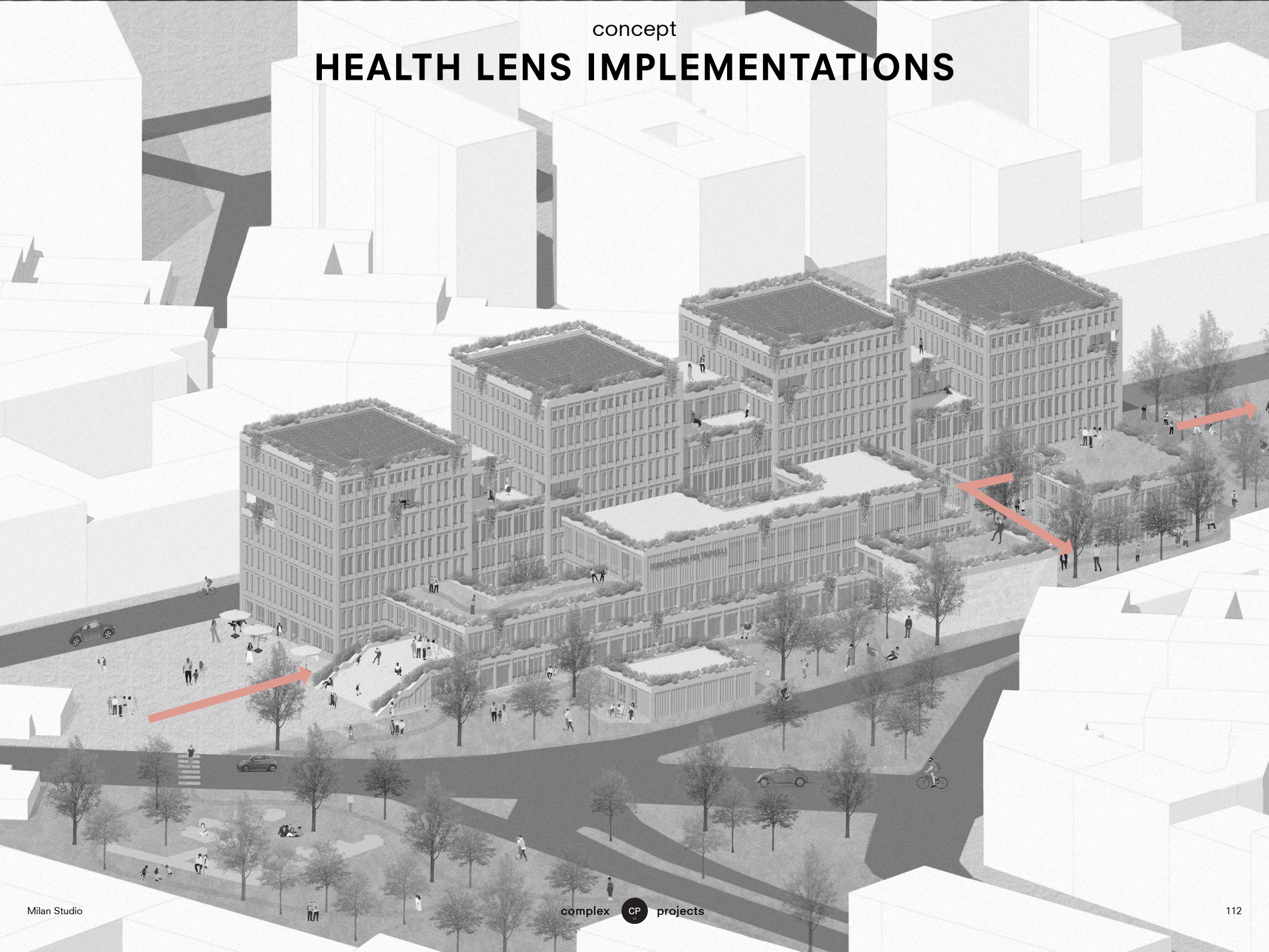
concept

HEALTH LENS IMPLEMENTATIONS



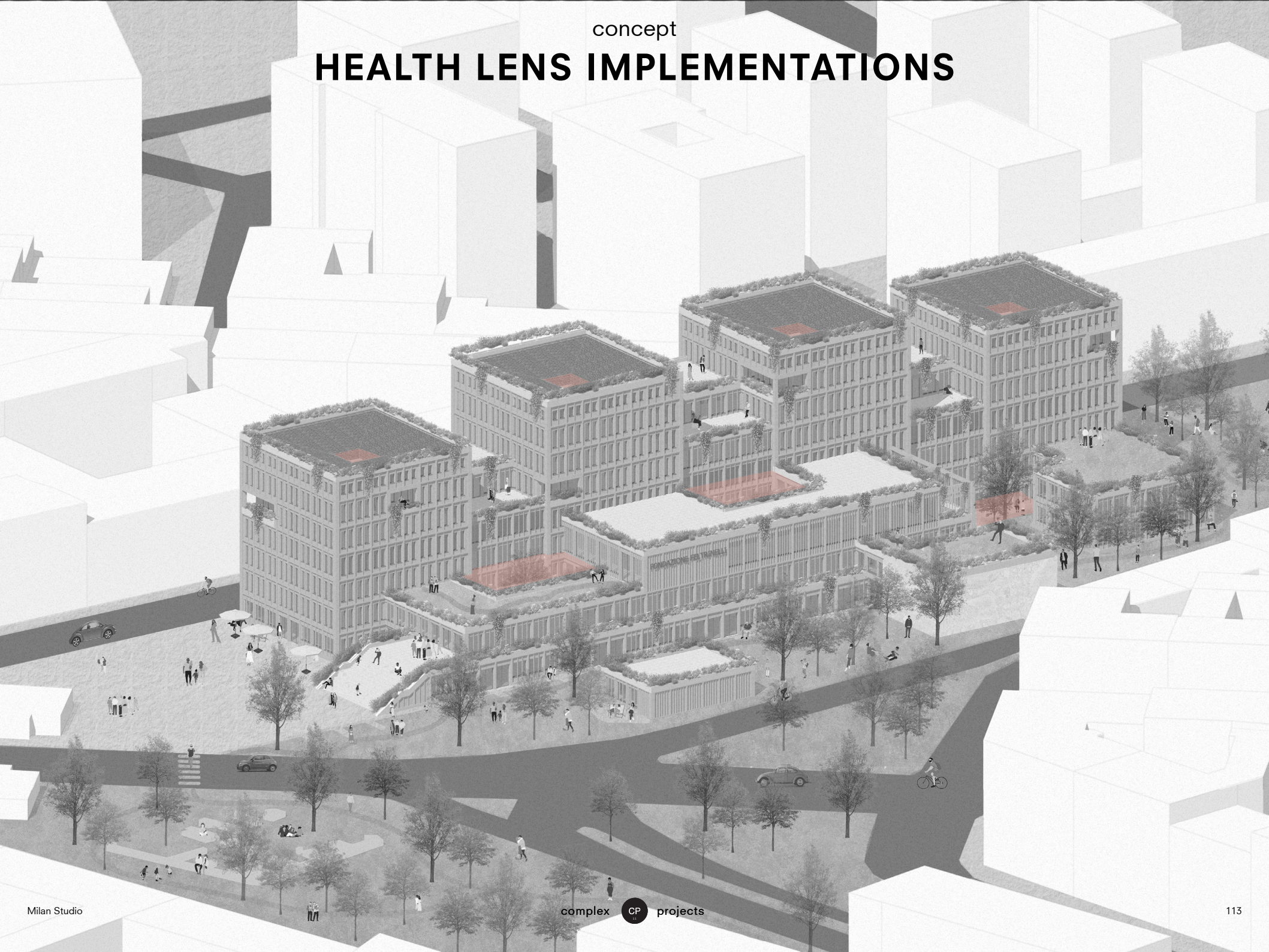
concept

HEALTH LENS IMPLEMENTATIONS



concept

HEALTH LENS IMPLEMENTATIONS



Introduction

Design brief

Volume study

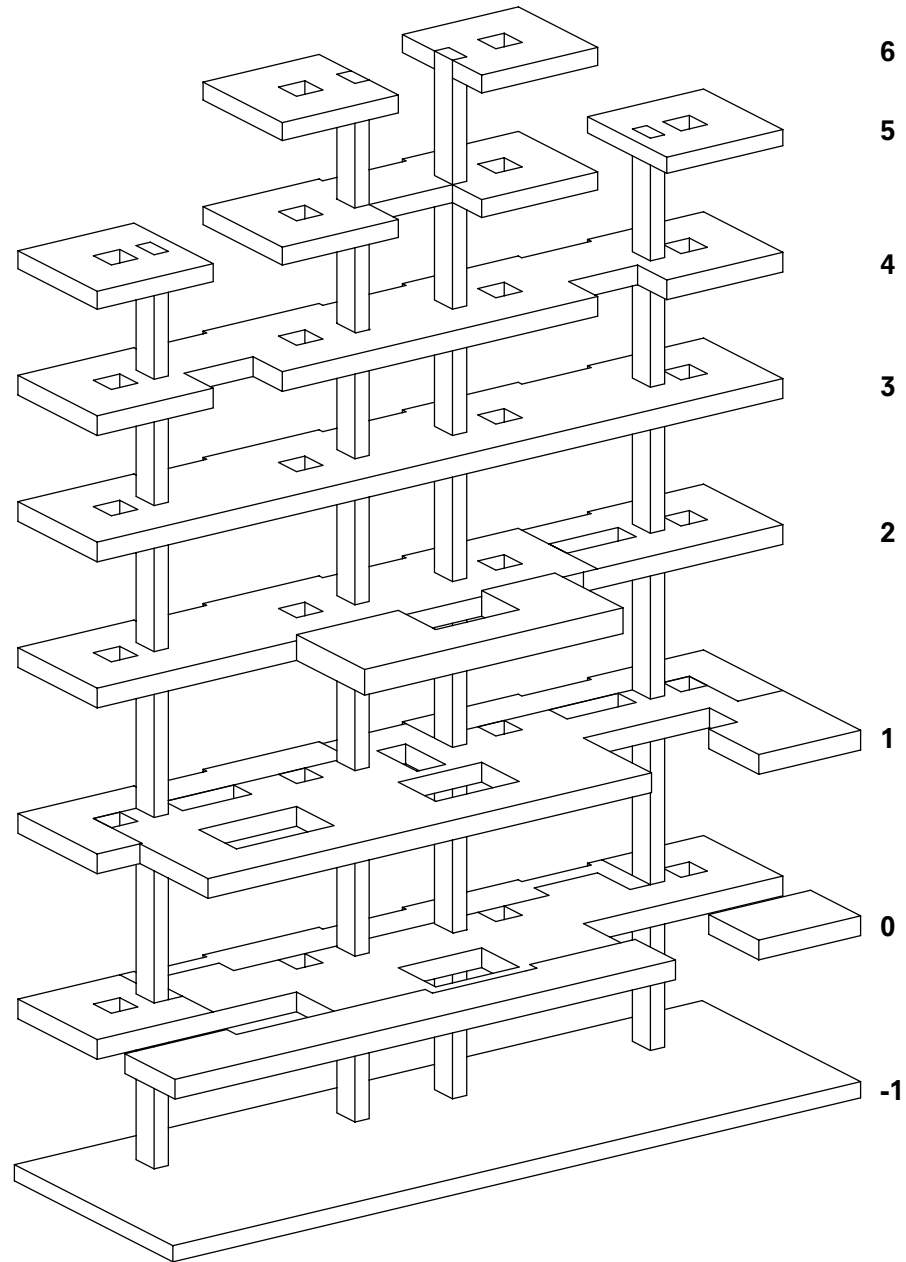
Concept

Implementation

Conclusion

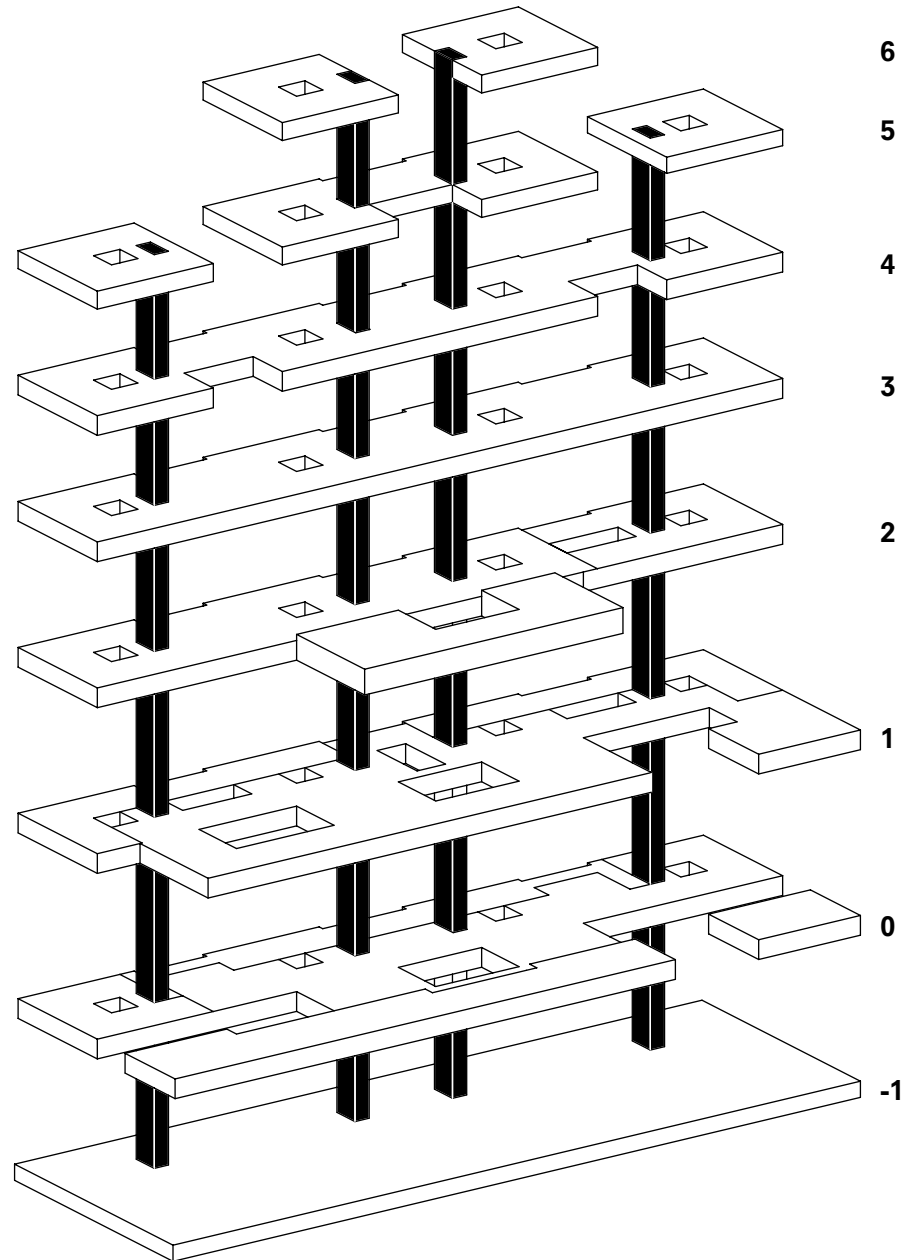
implementation

OVERVIEW



implementation

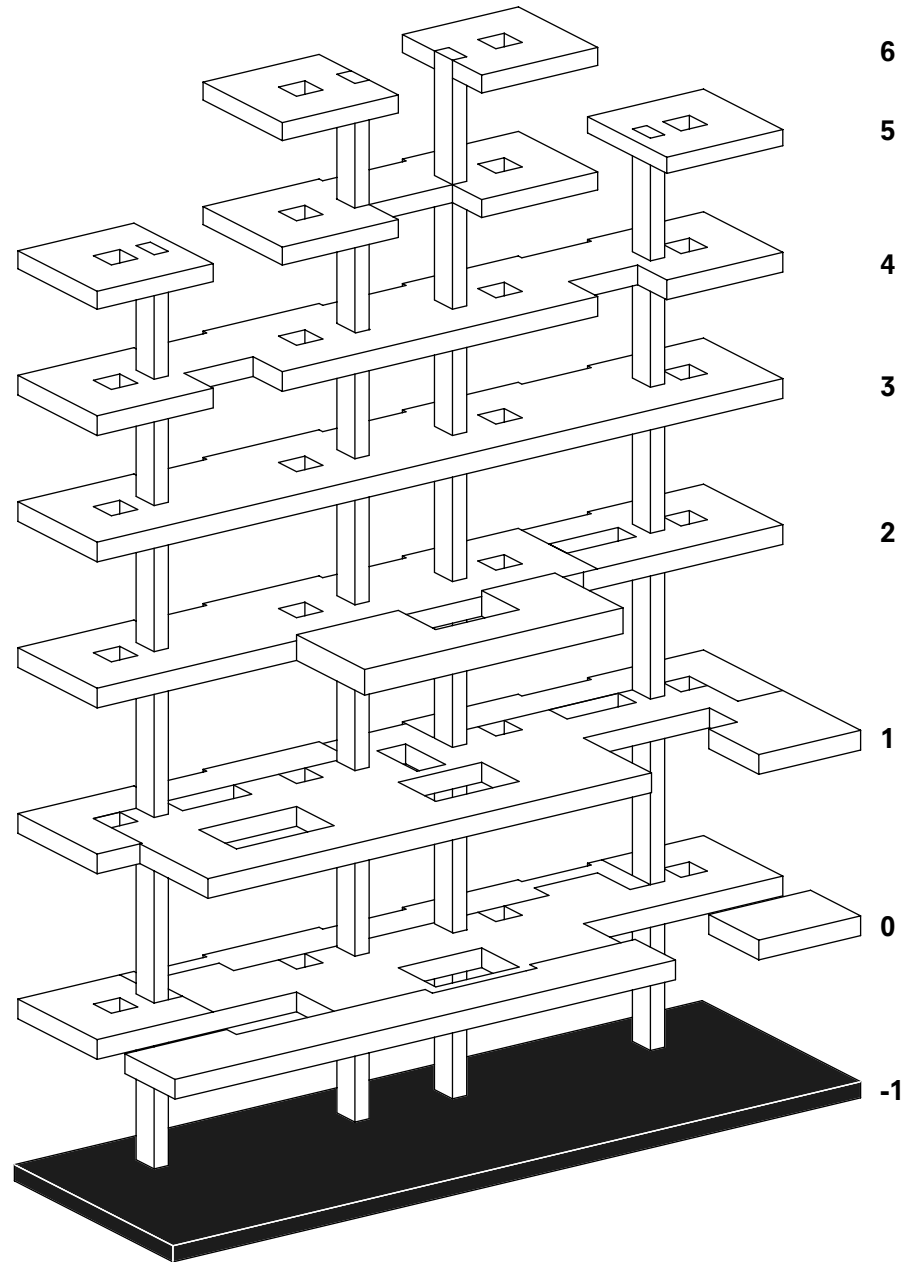
OVERVIEW



Cores

implementation

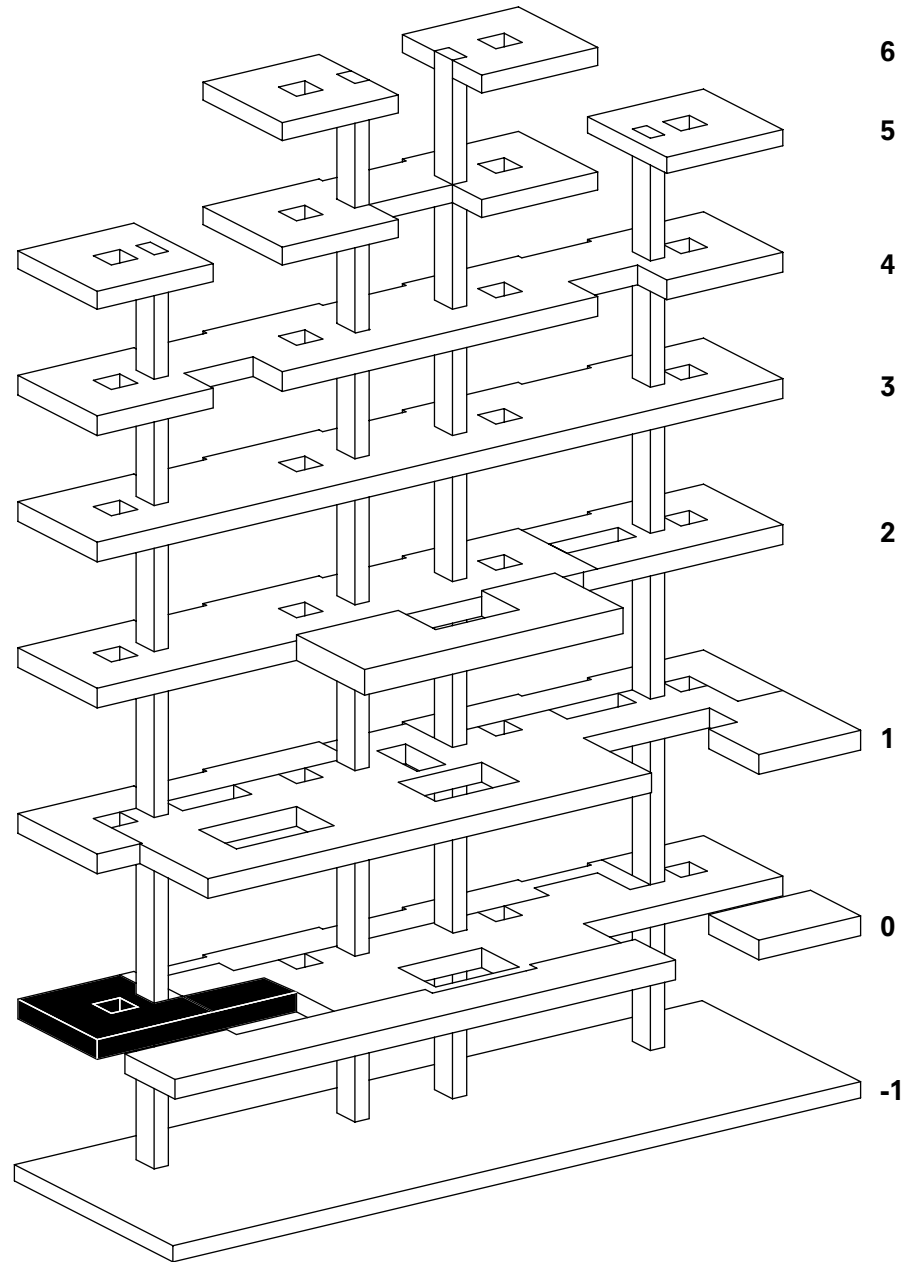
OVERVIEW



Parking garage & technical installations

implementation

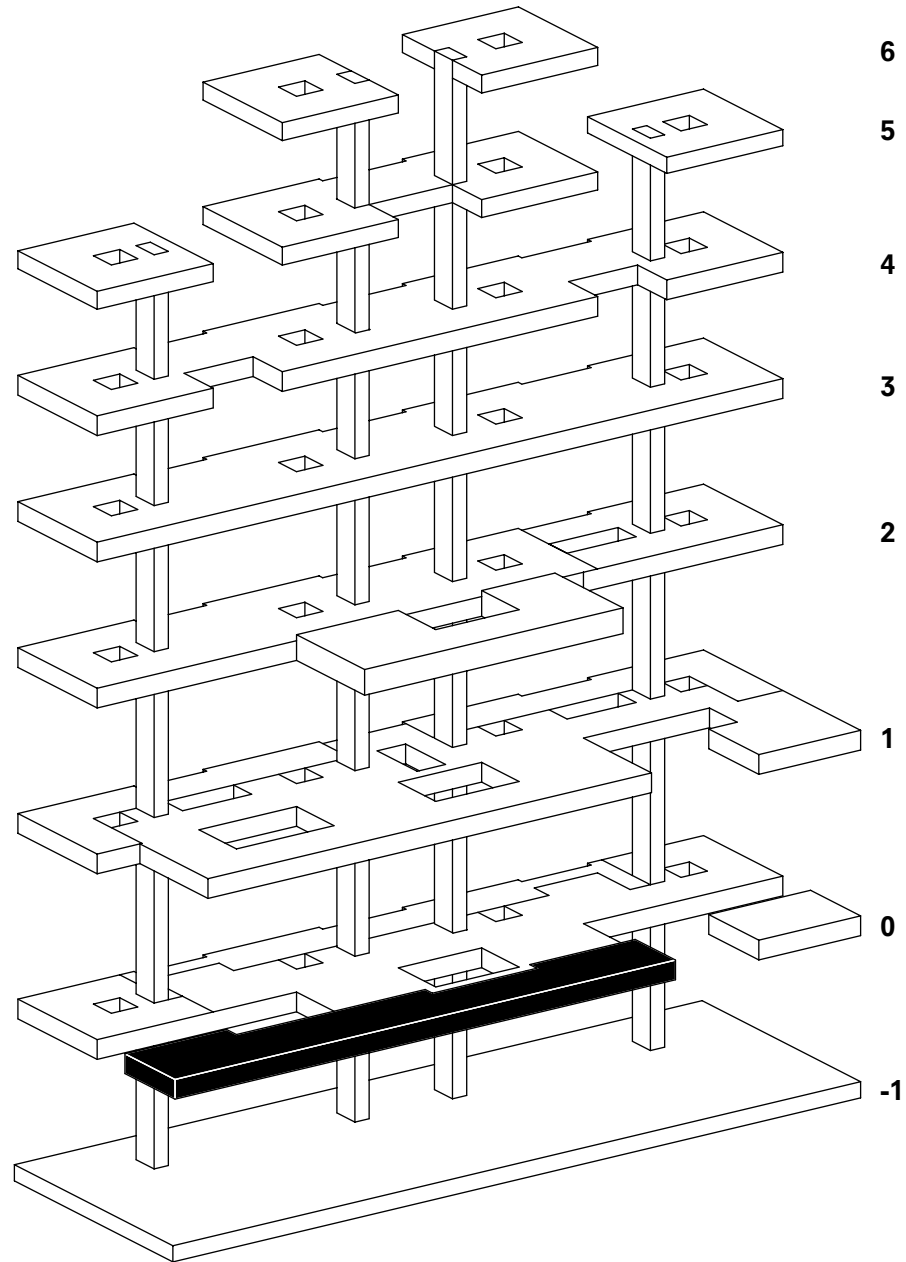
OVERVIEW



Restaurant

implementation

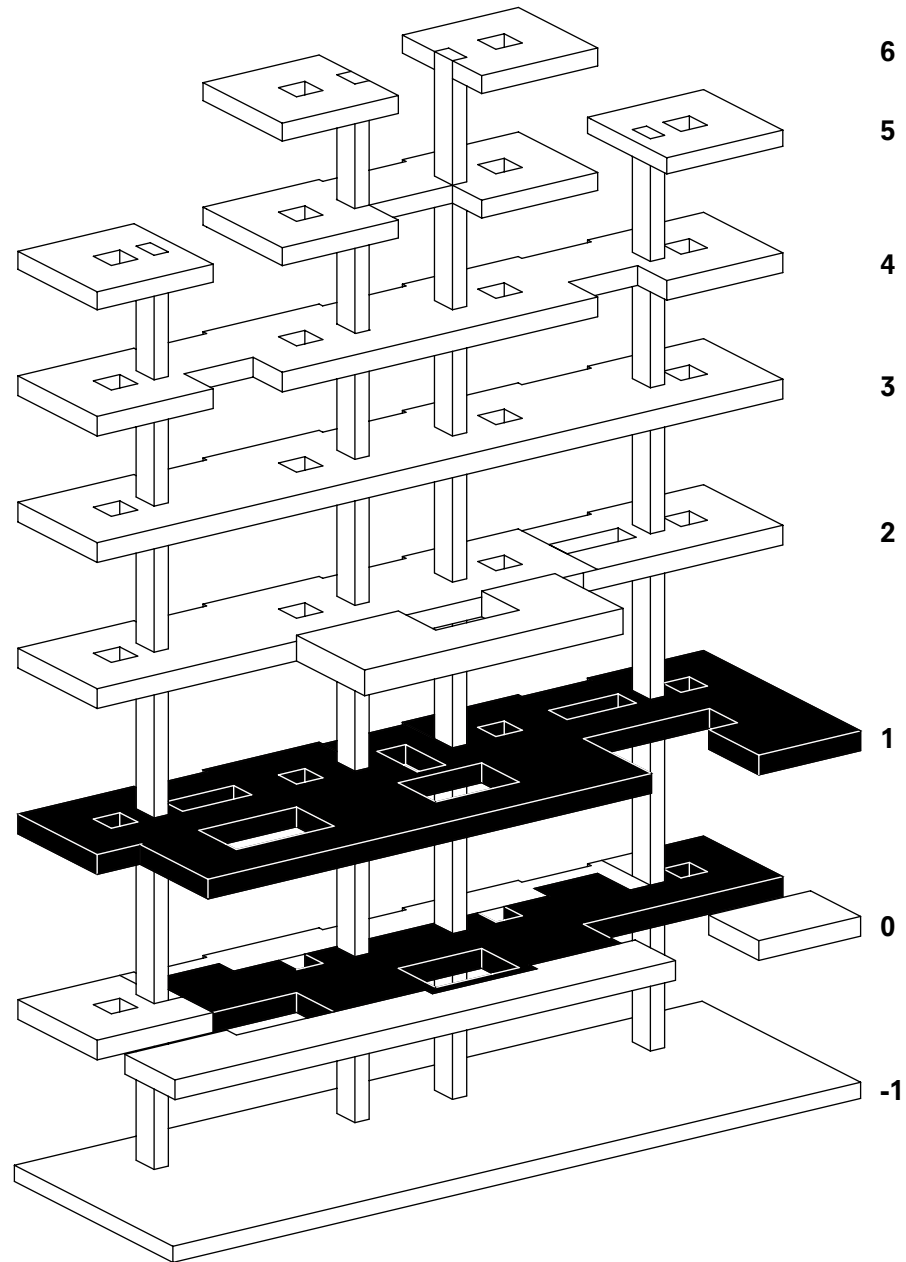
OVERVIEW



Makerspace

implementation

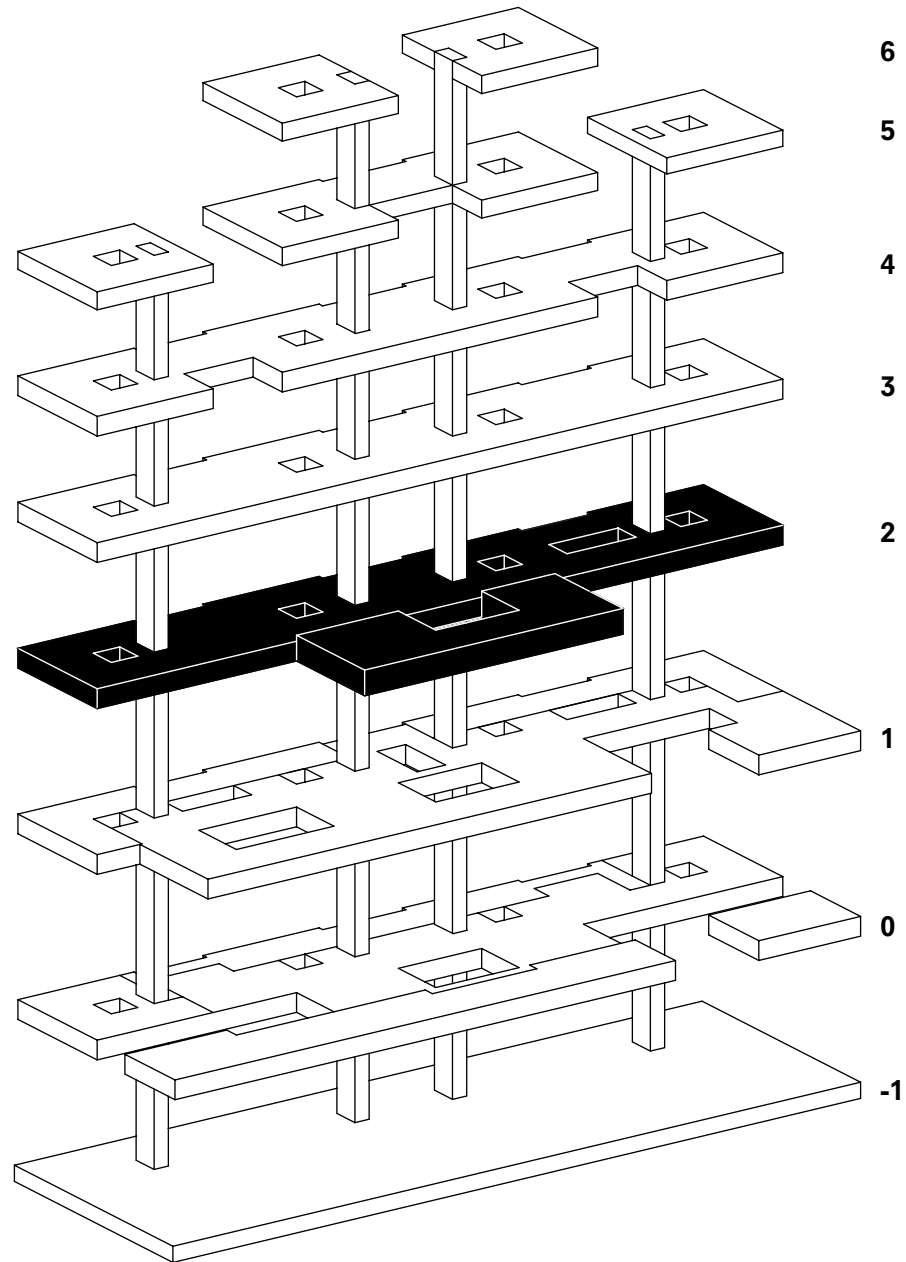
OVERVIEW



Library spaces

implementation

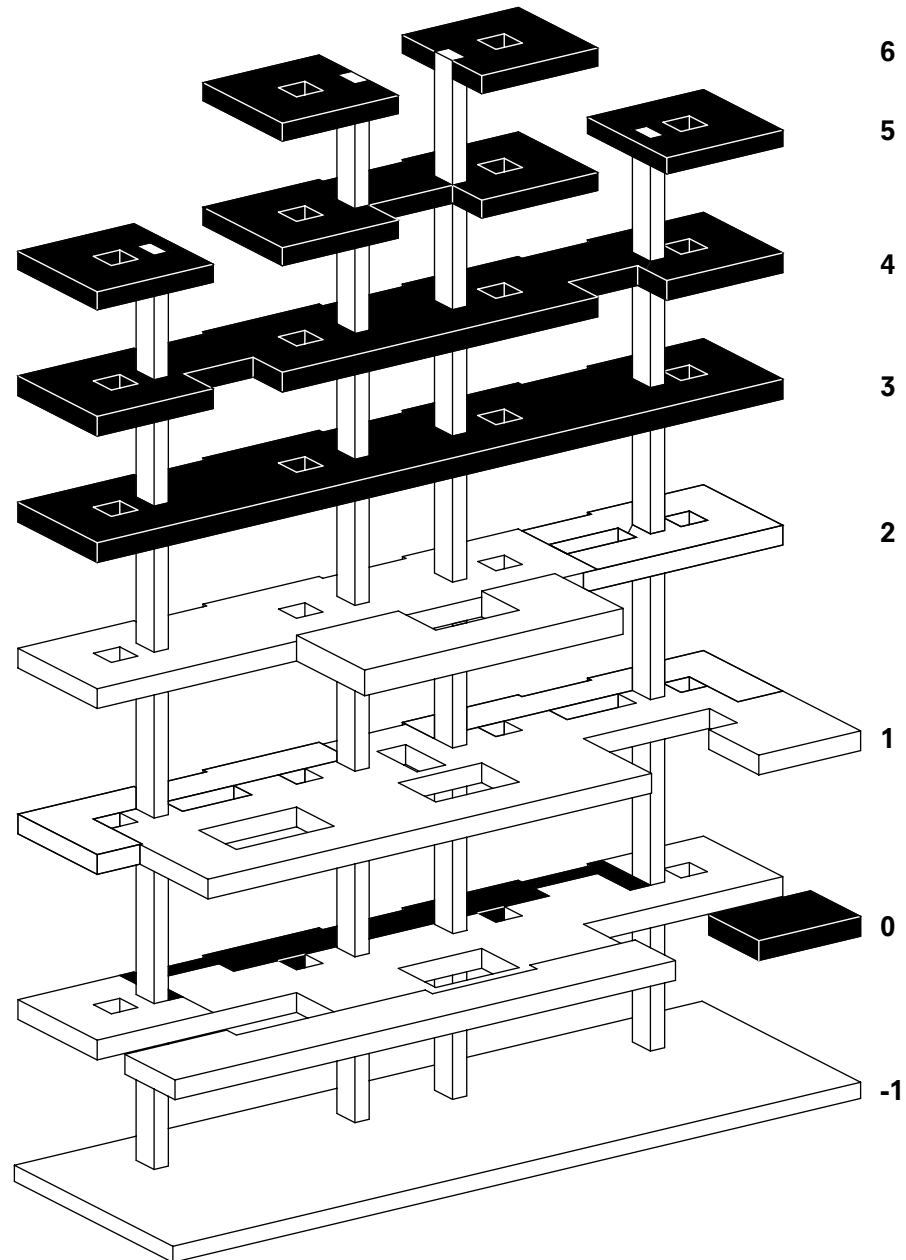
OVERVIEW



Museum

implementation

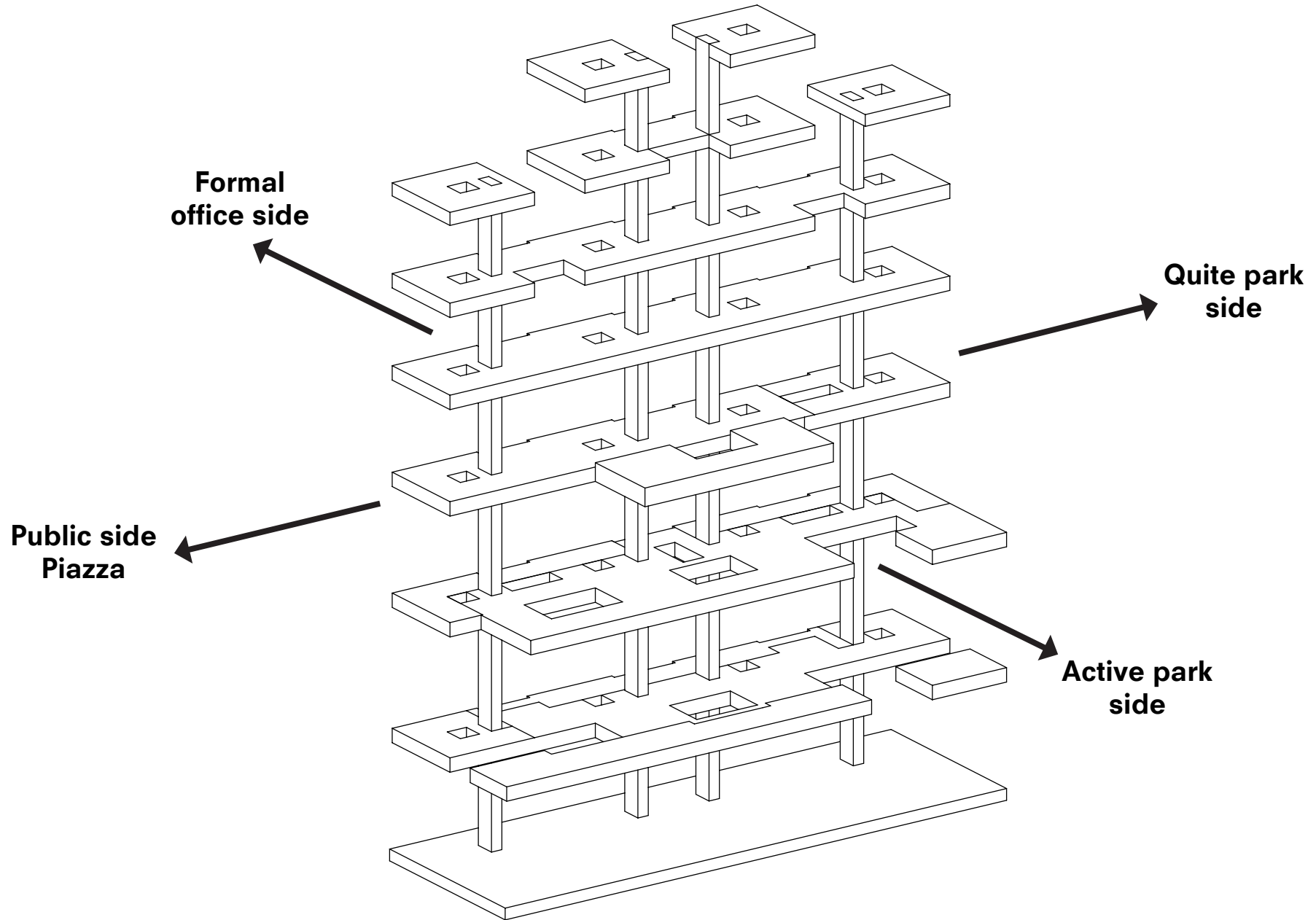
OVERVIEW



Microsoft office and Unifor showroom

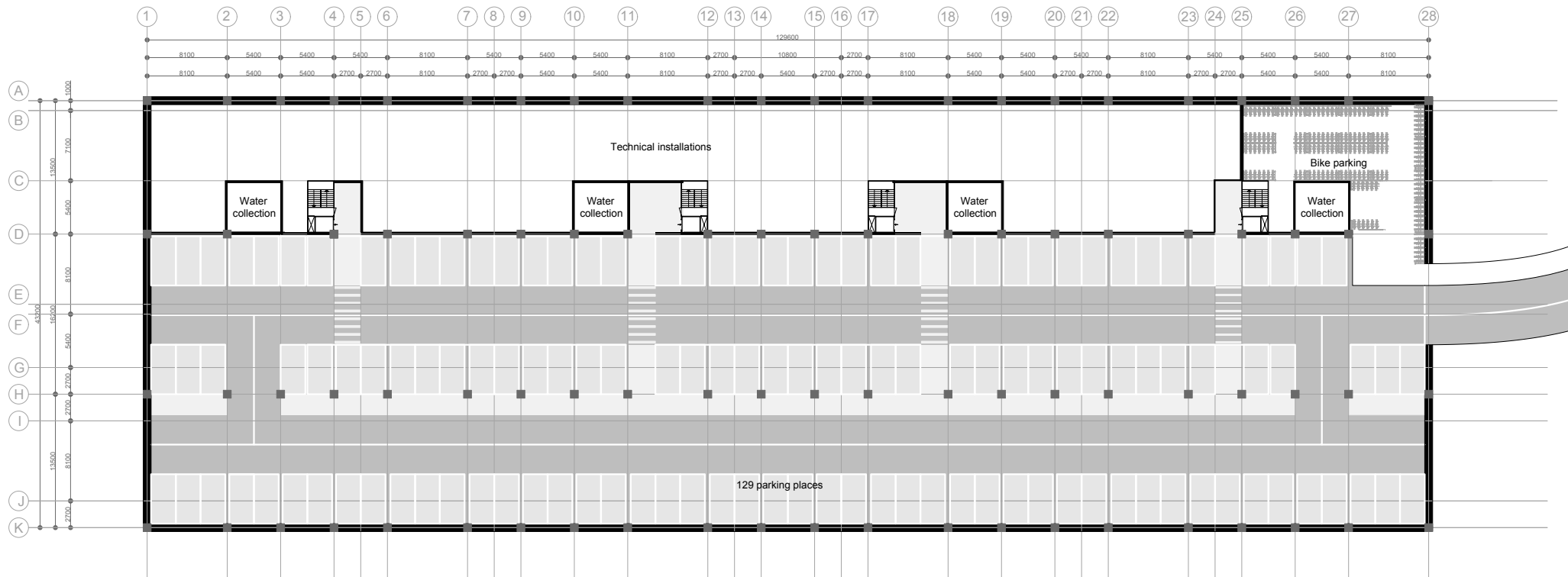
implementation

DIFFERENT SIDES

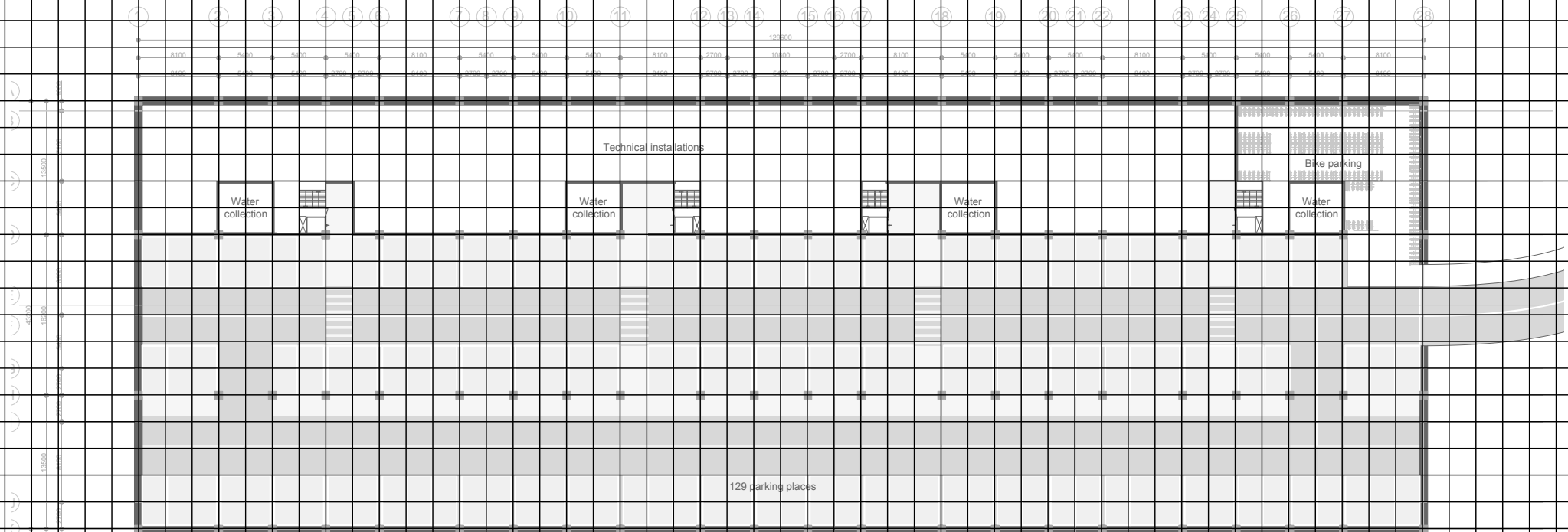


implementation

PARKING GARAGE



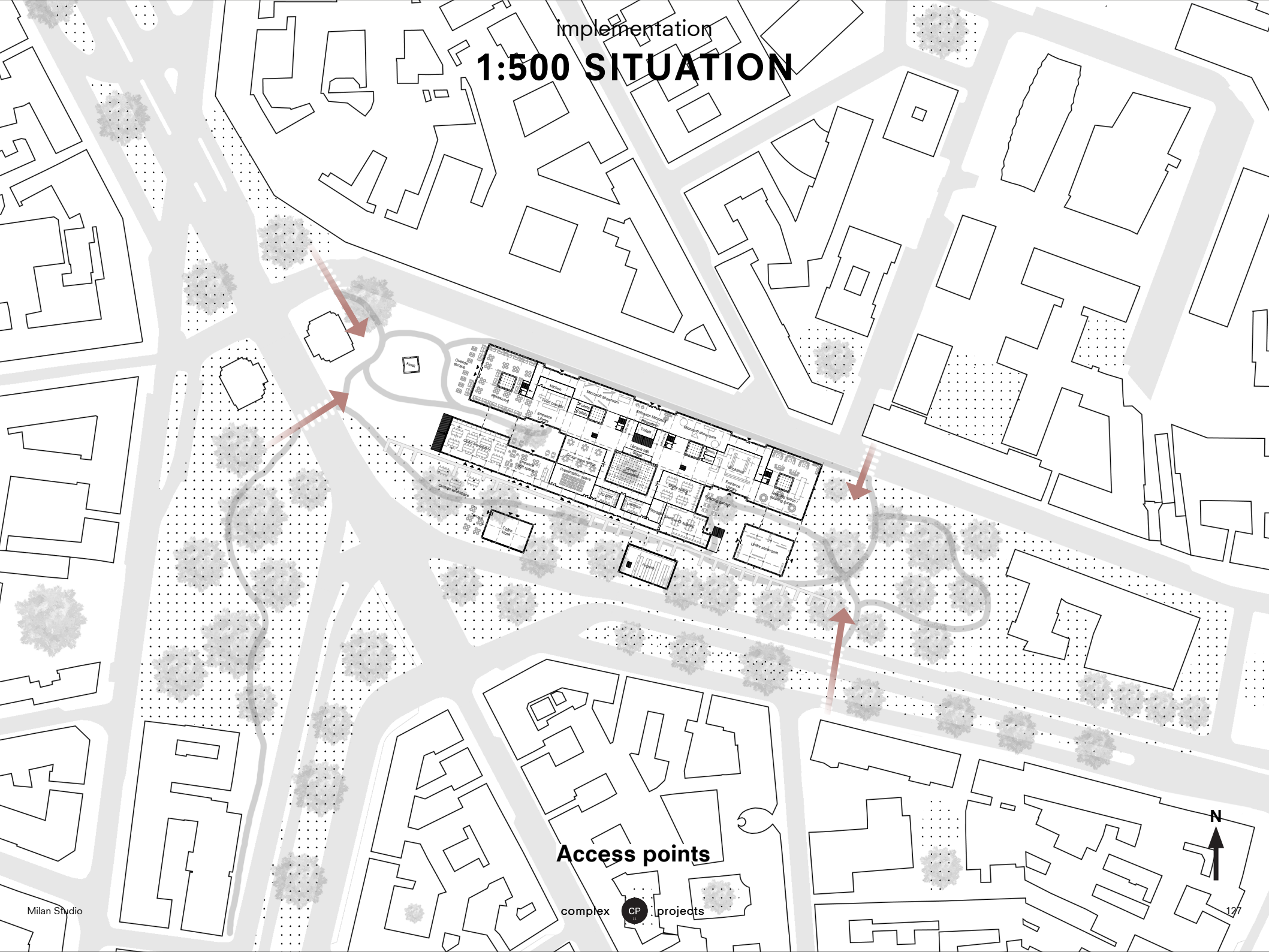
implementation GRID



Implementation
1:500 SITUATION



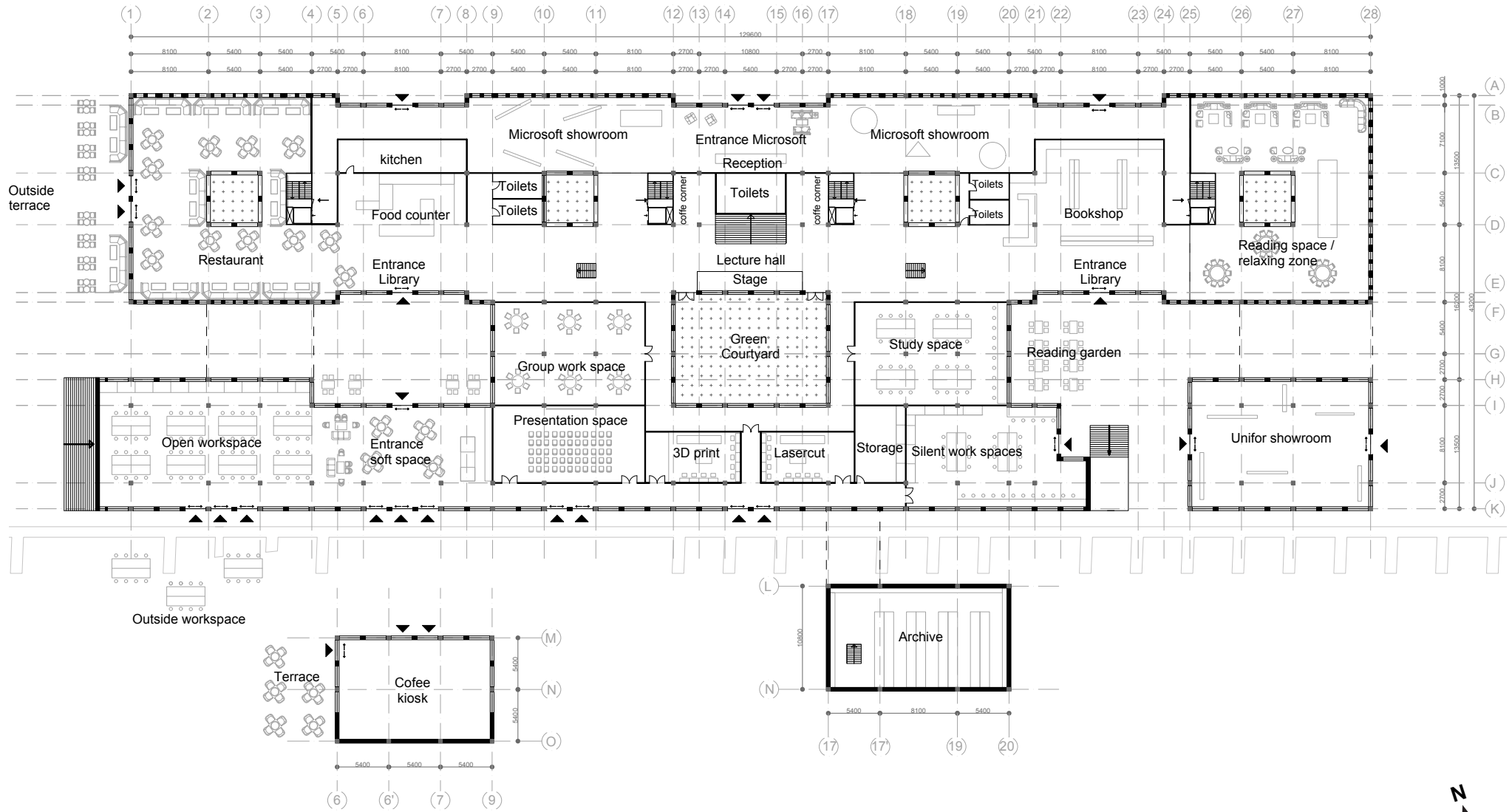
1:500 SITUATION



complex CP : projects

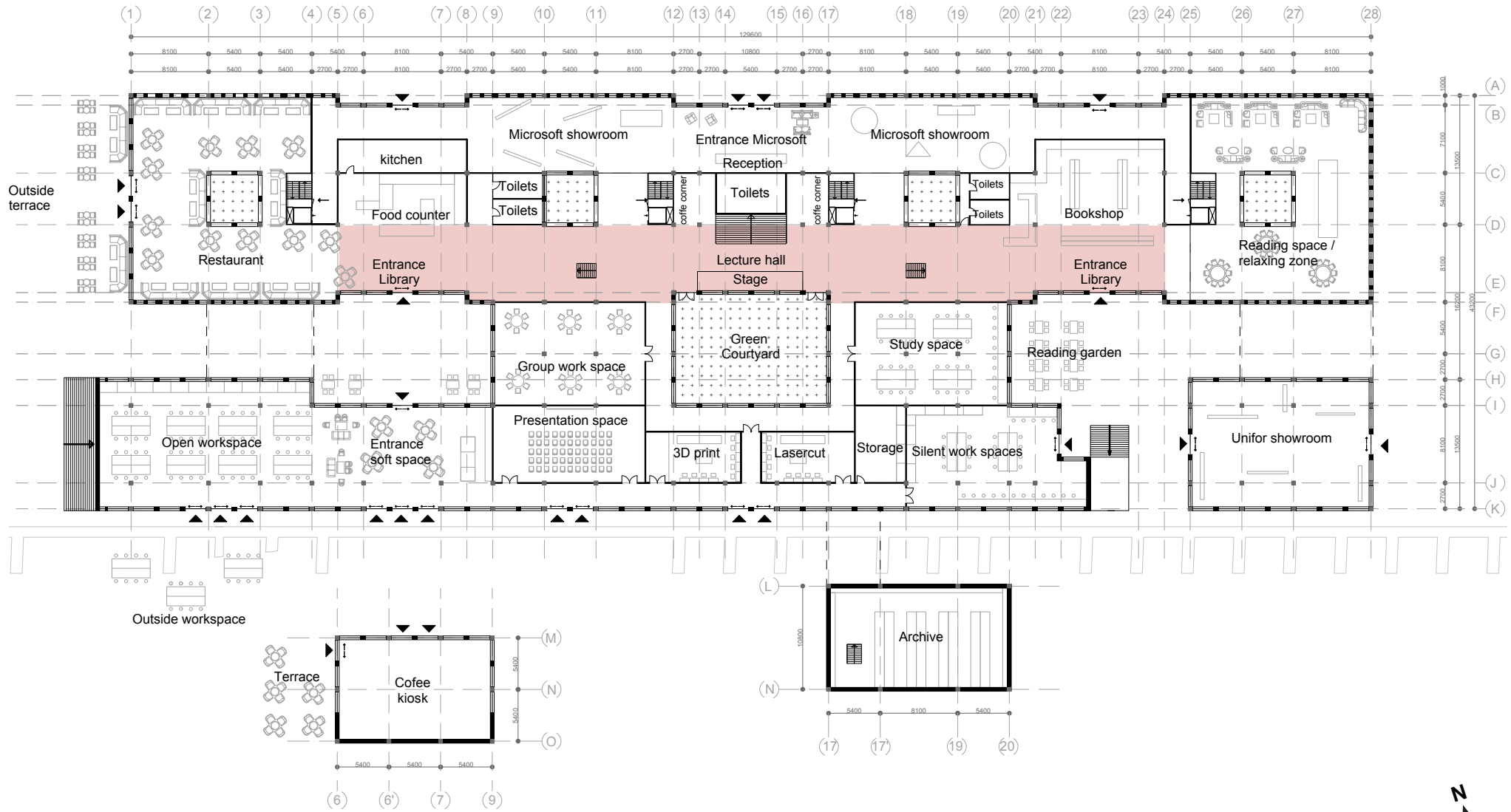
implementation

GROUND FLOOR

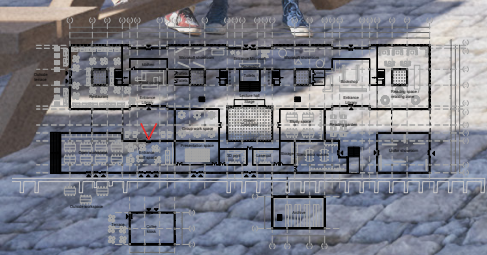


implementation

GROUND FLOOR



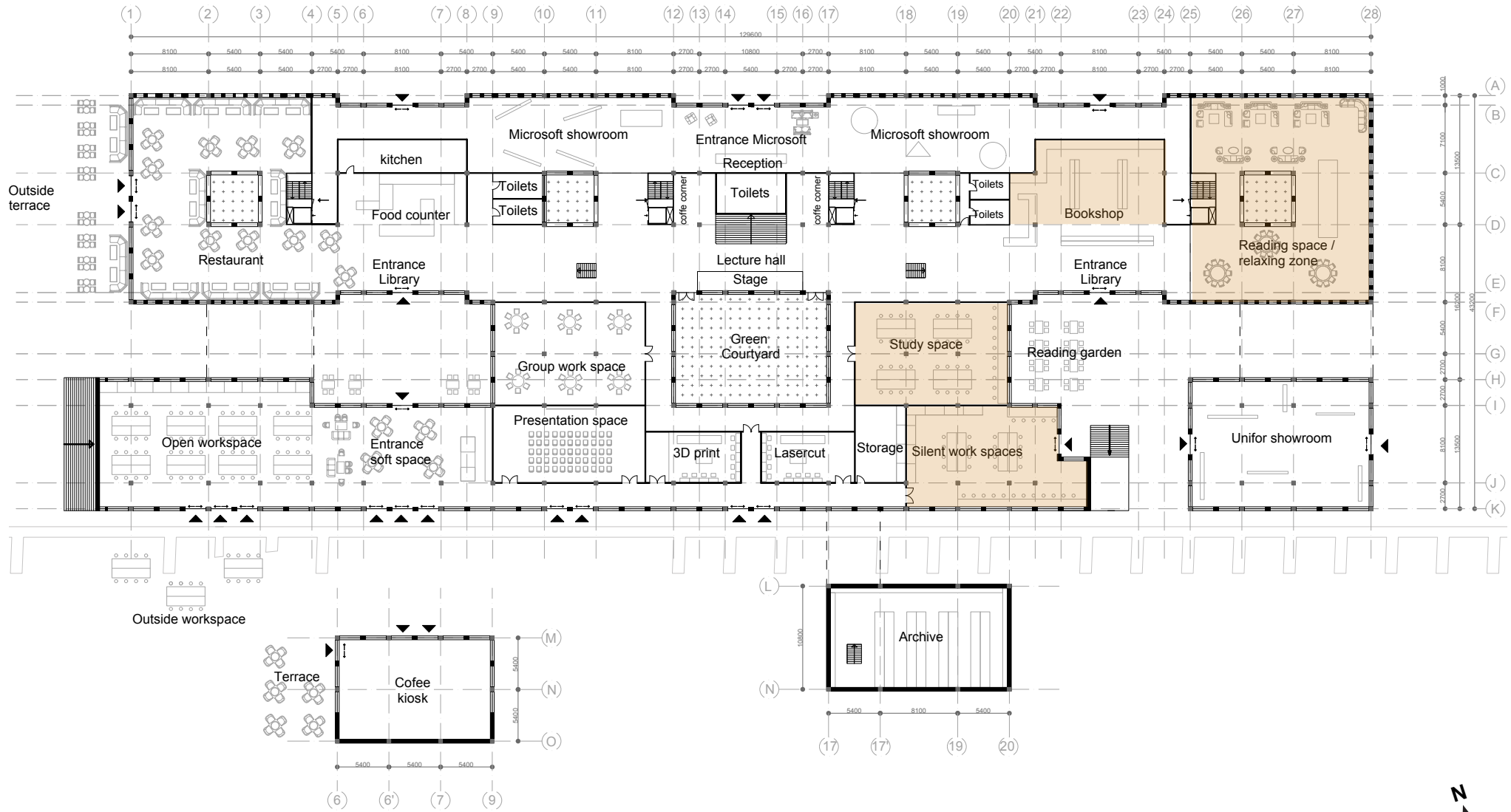
Street of encounter





implementation

GROUND FLOOR

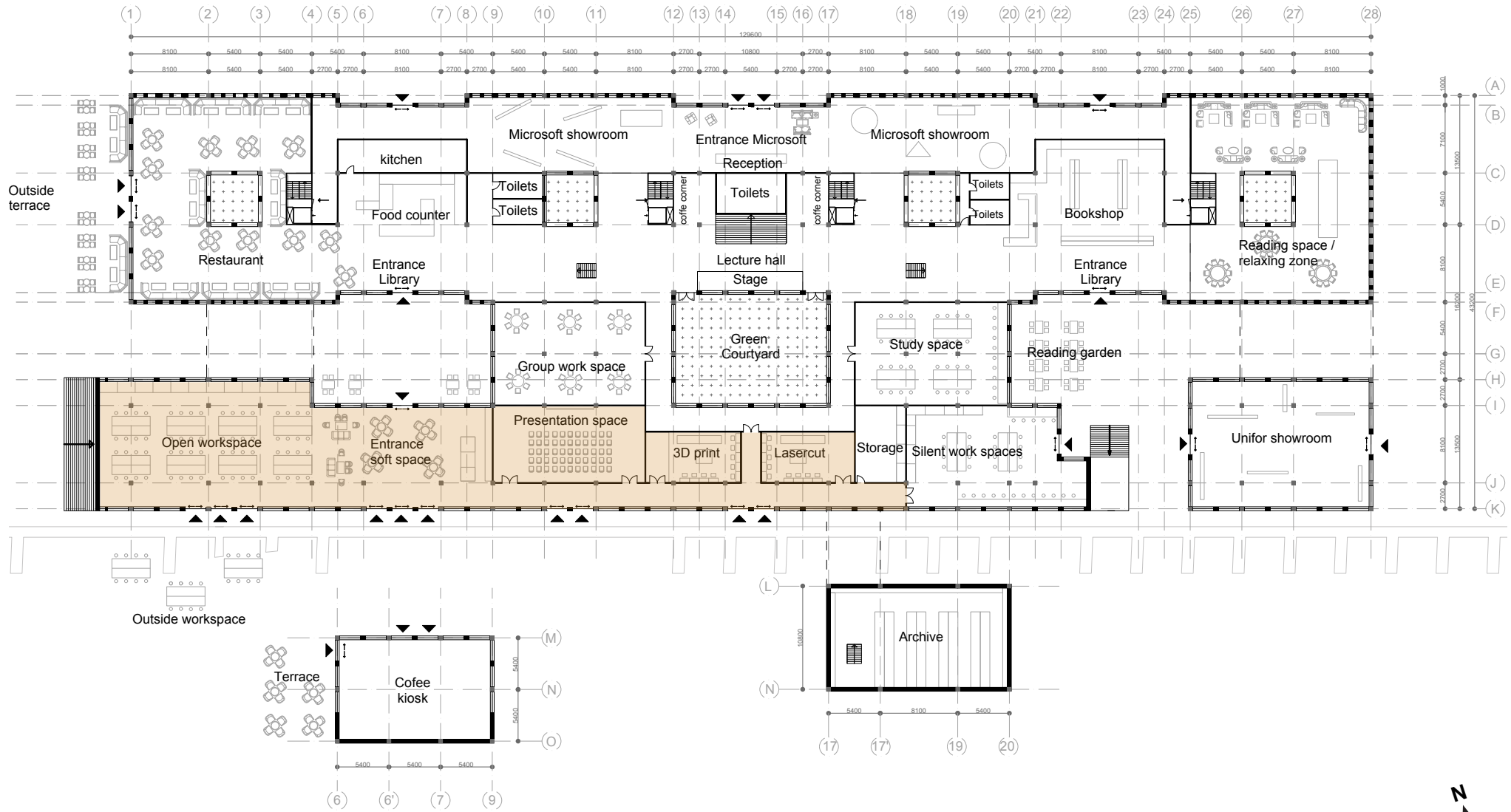


Quiet side



implementation

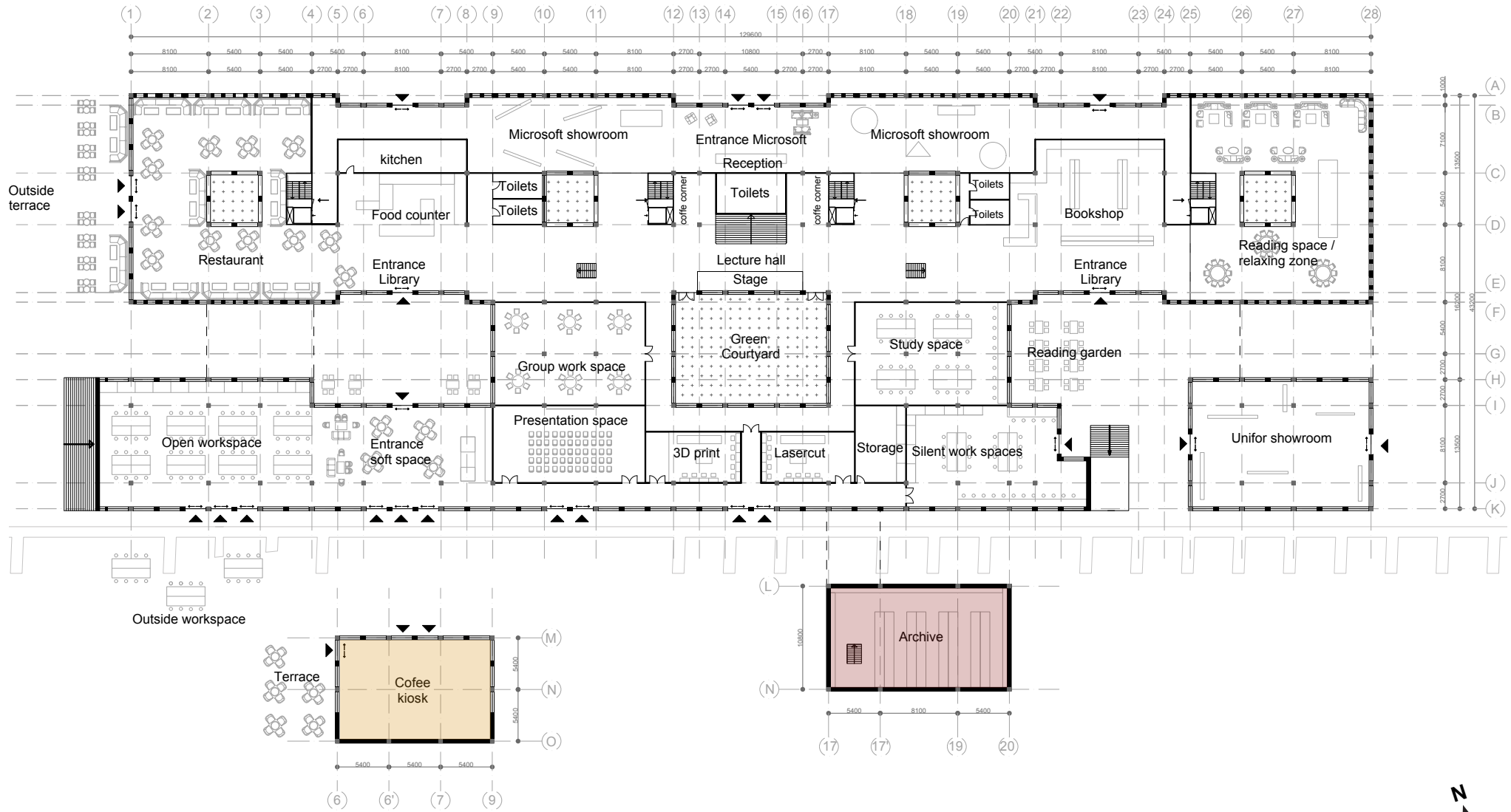
GROUND FLOOR



Maker space



implementation

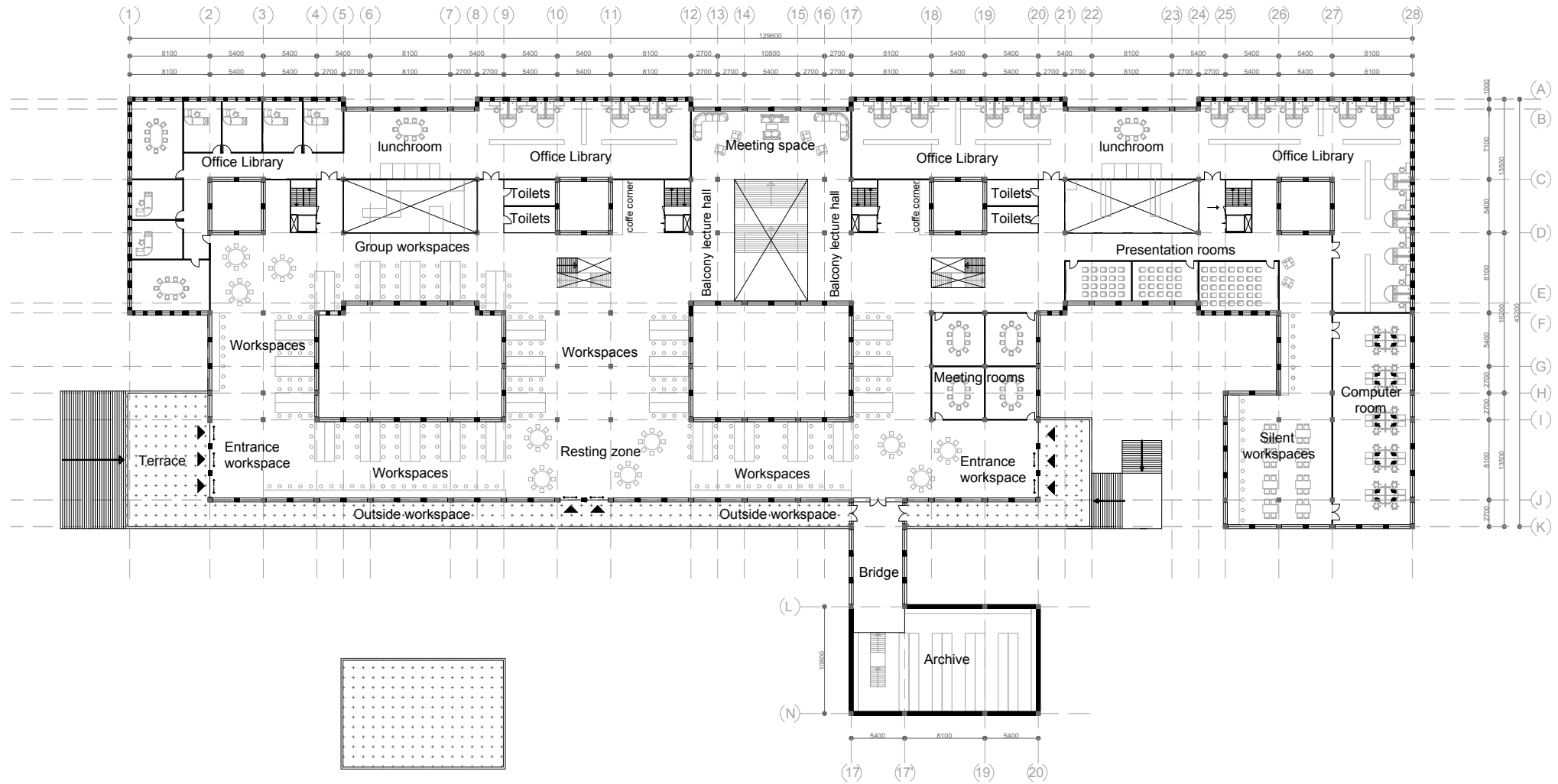


Program in park



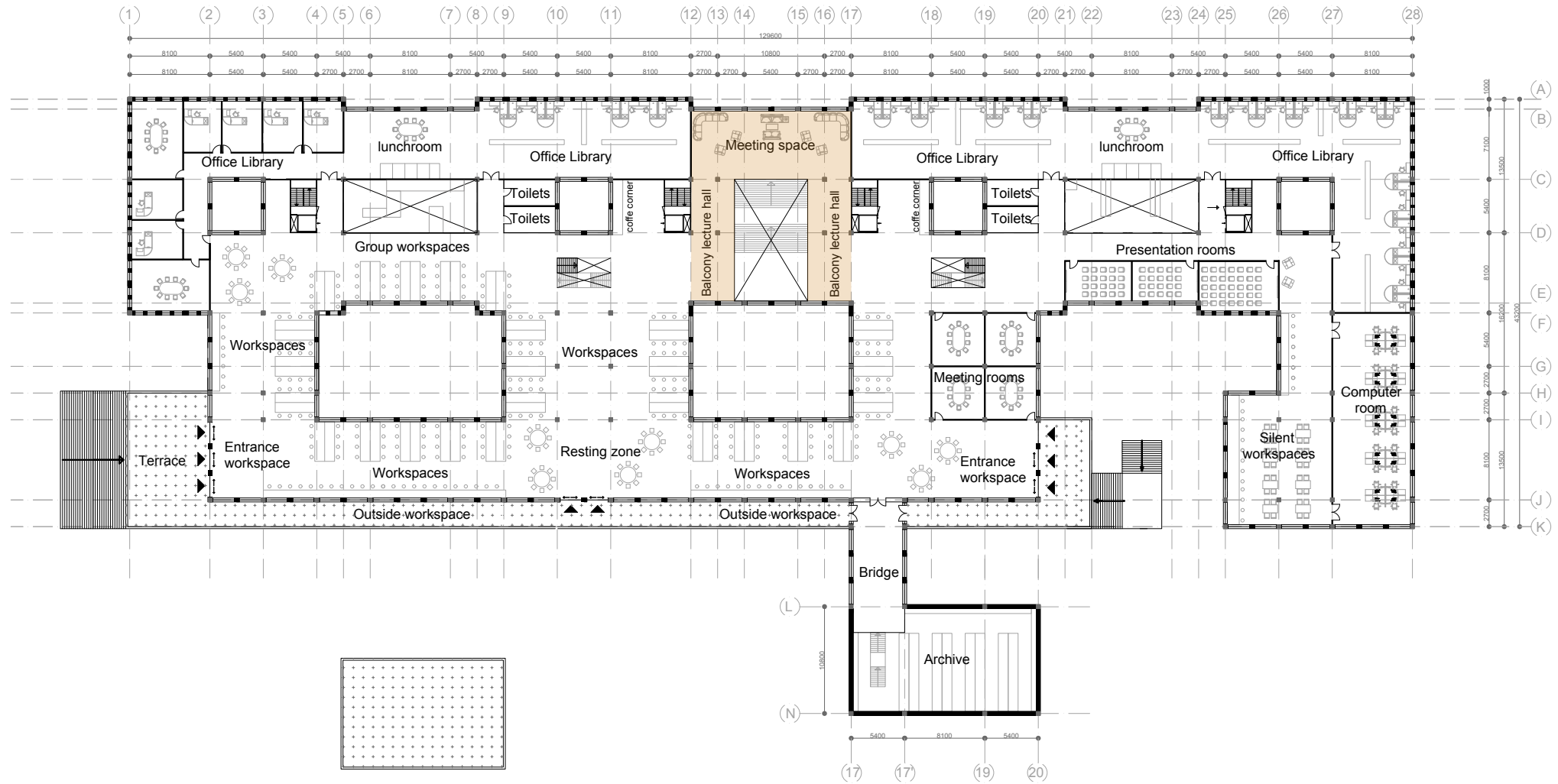
implementation

FIRST FLOOR

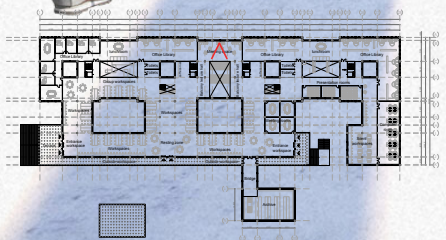


implementation

FIRST FLOOR

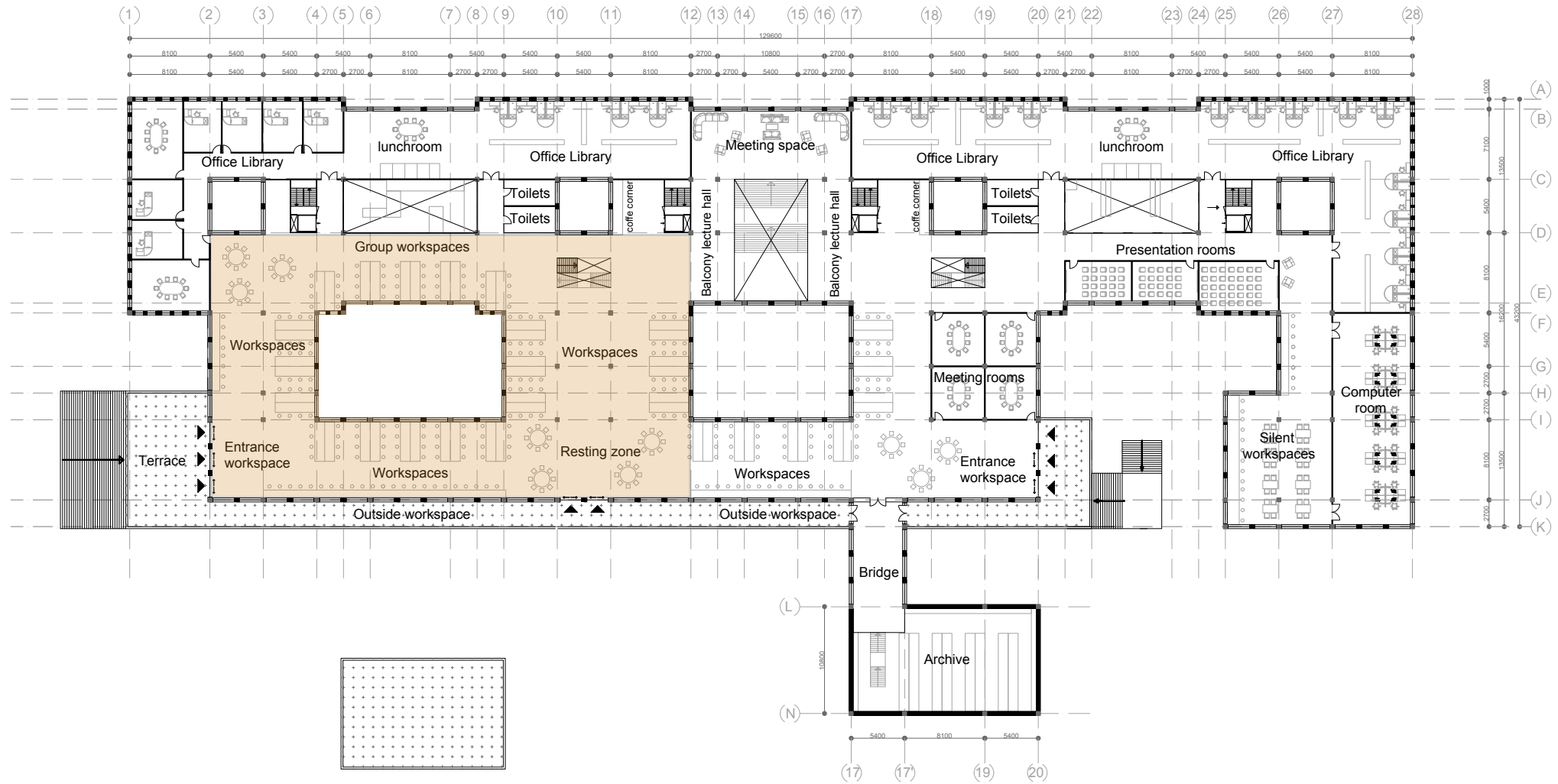


Lecture hall balcony



implementation

FIRST FLOOR

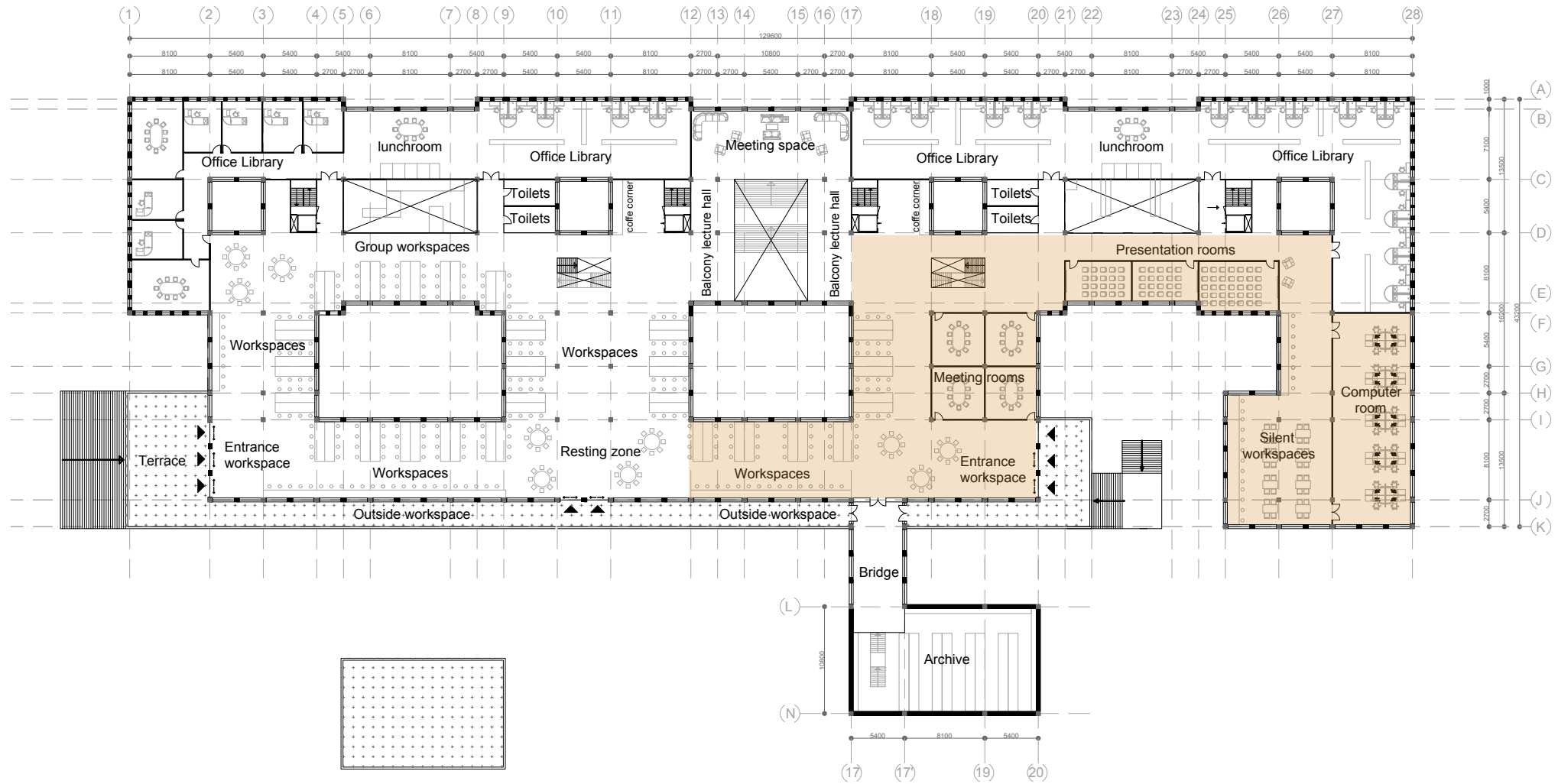


Group workspaces





implementation FIRST FLOOR

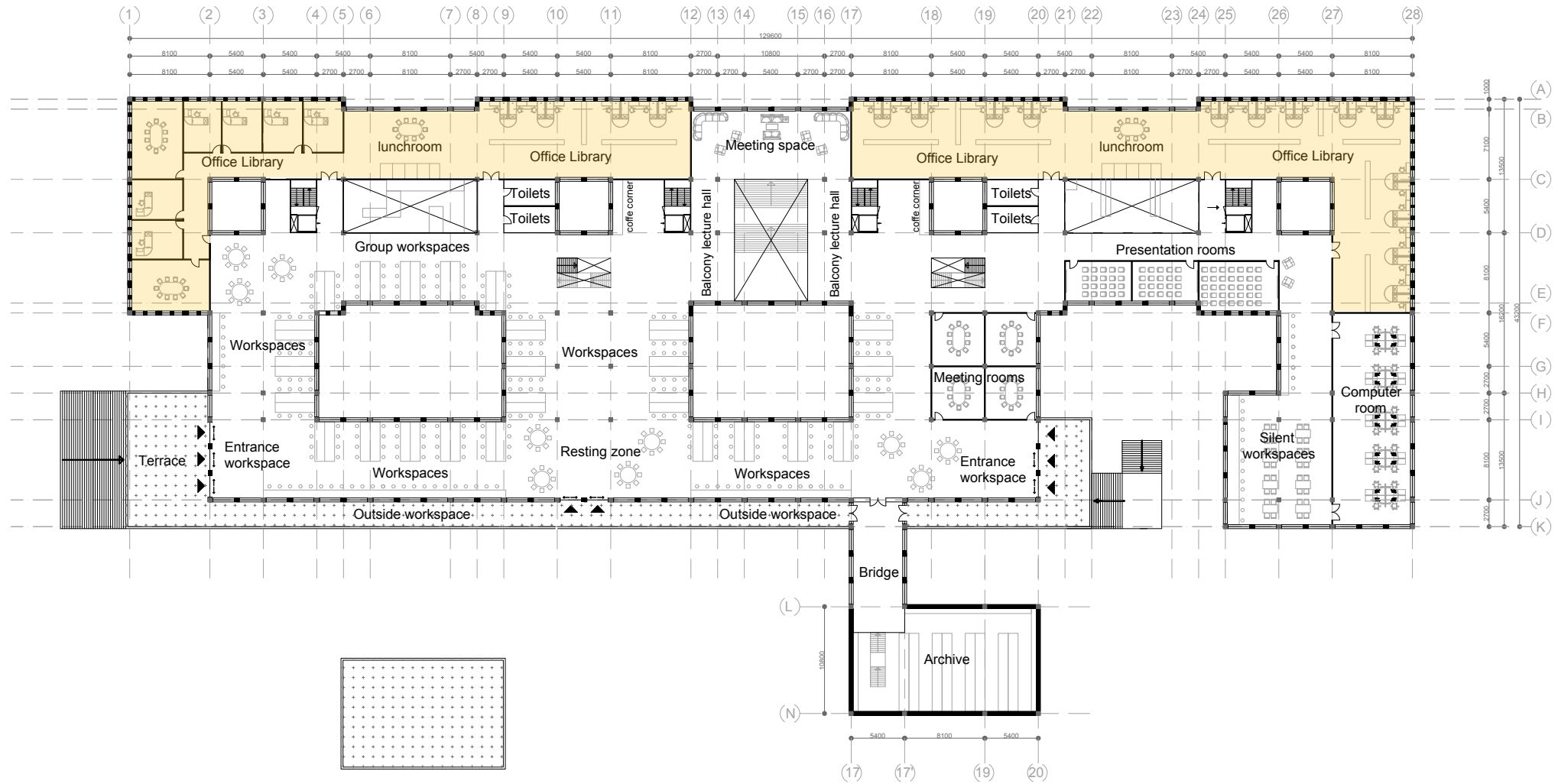


Silent workspaces



implementation

FIRST FLOOR

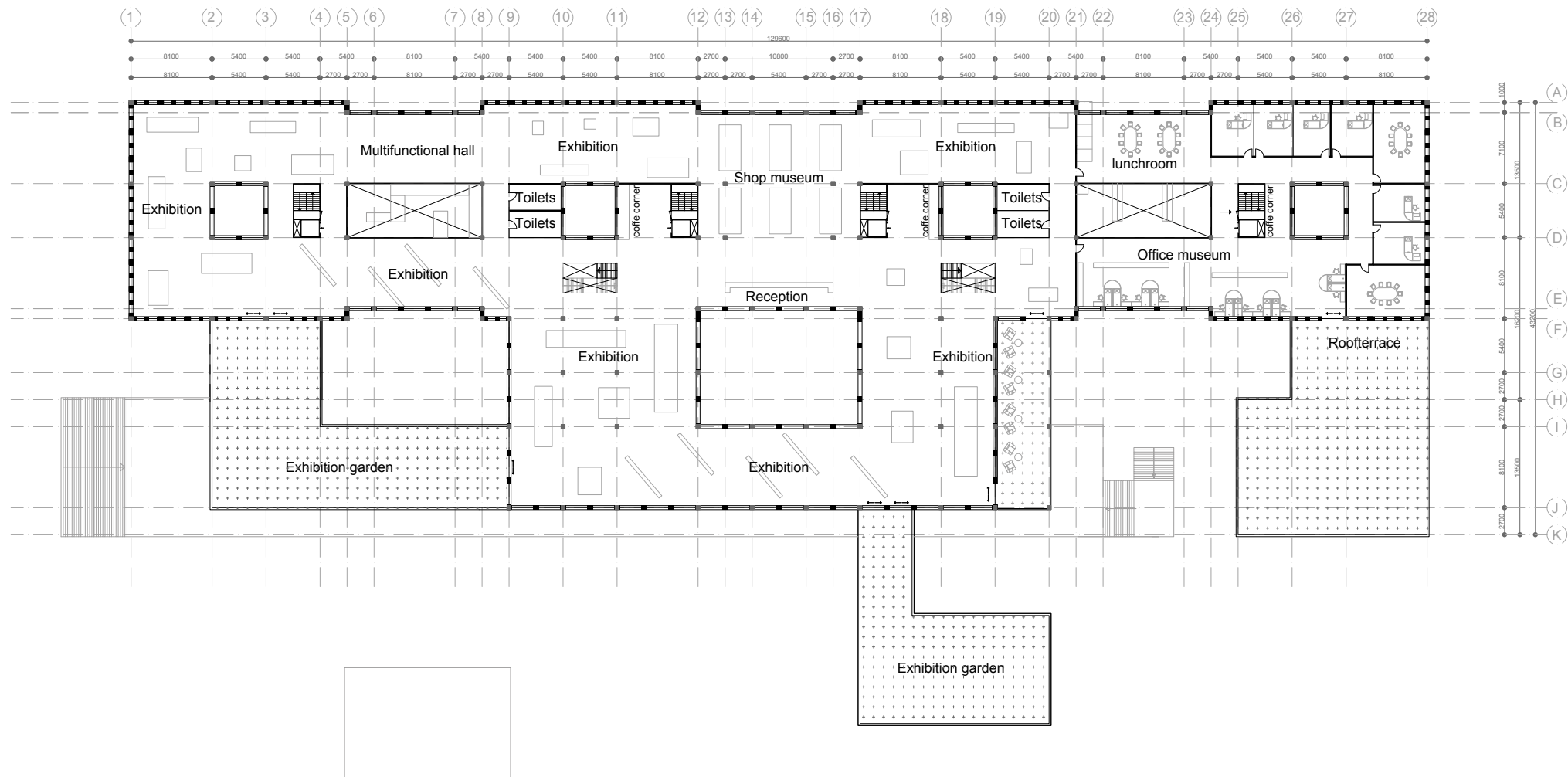


Offices



implementation

SECOND FLOOR



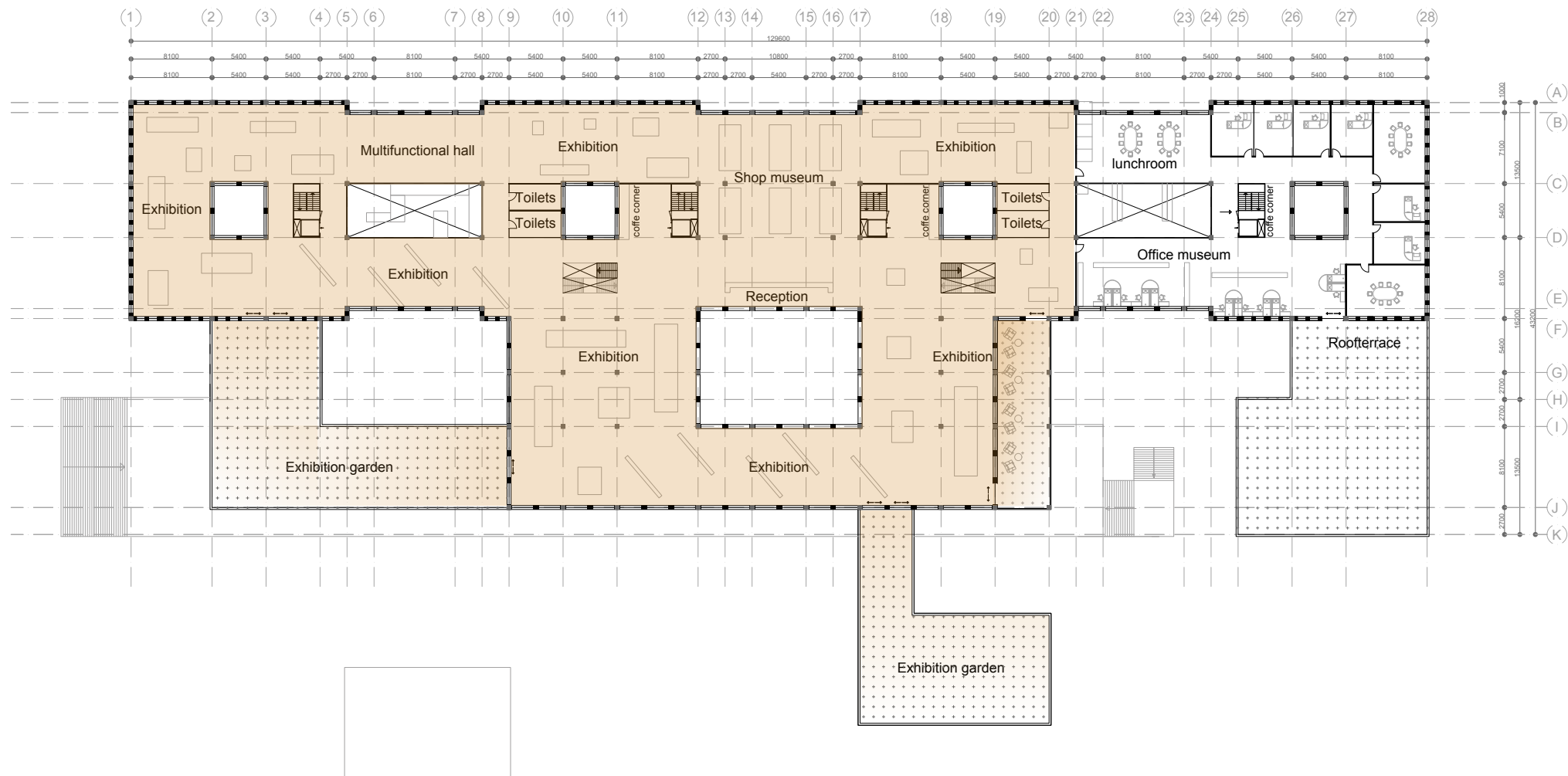
implementation

MODEL



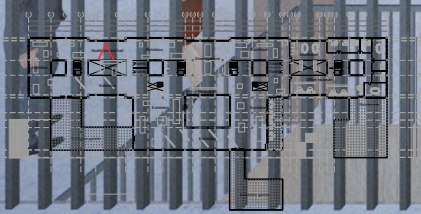
implementation

THIRD FLOOR



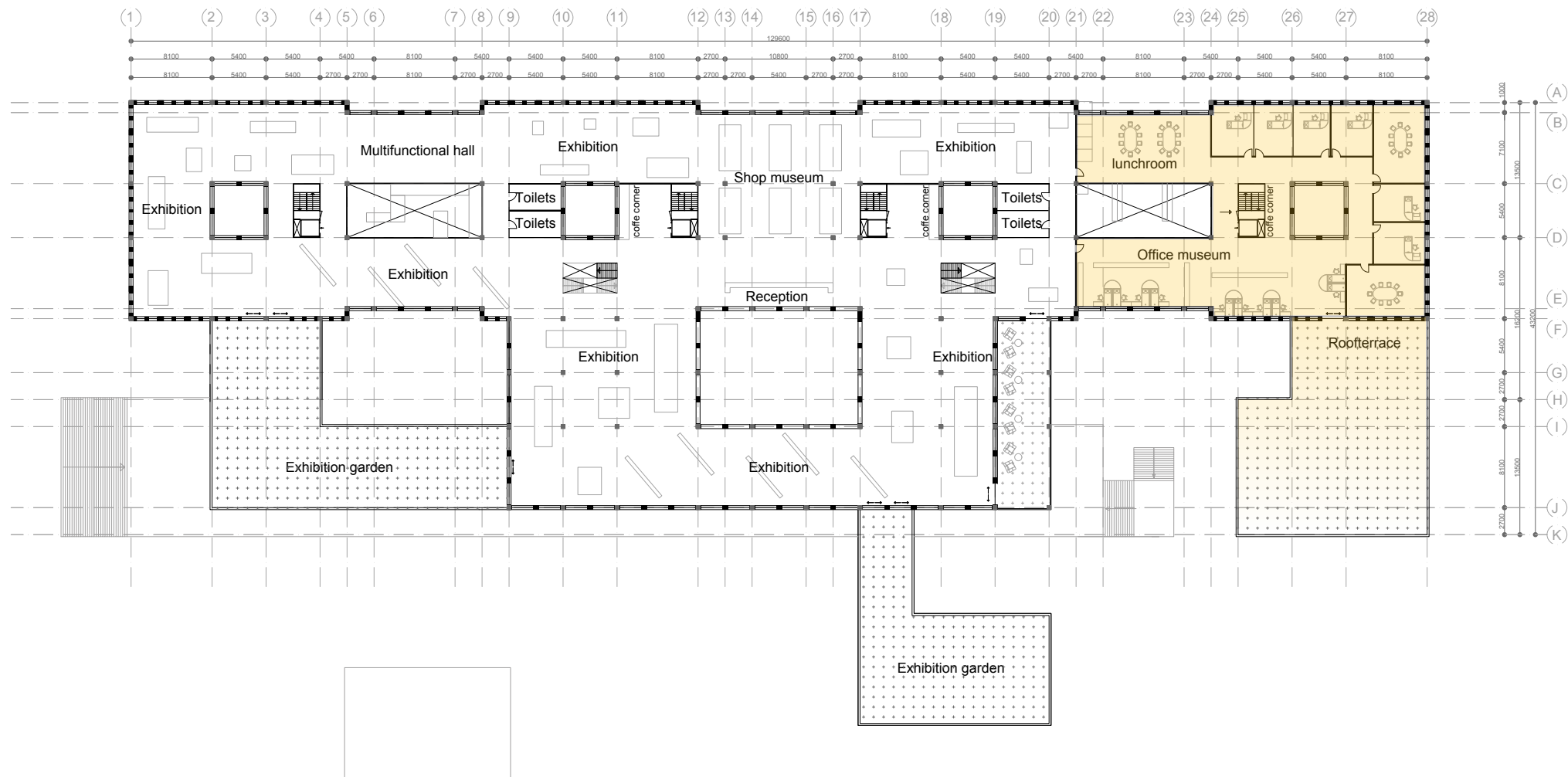
Exhibition space







implementation SECOND FLOOR

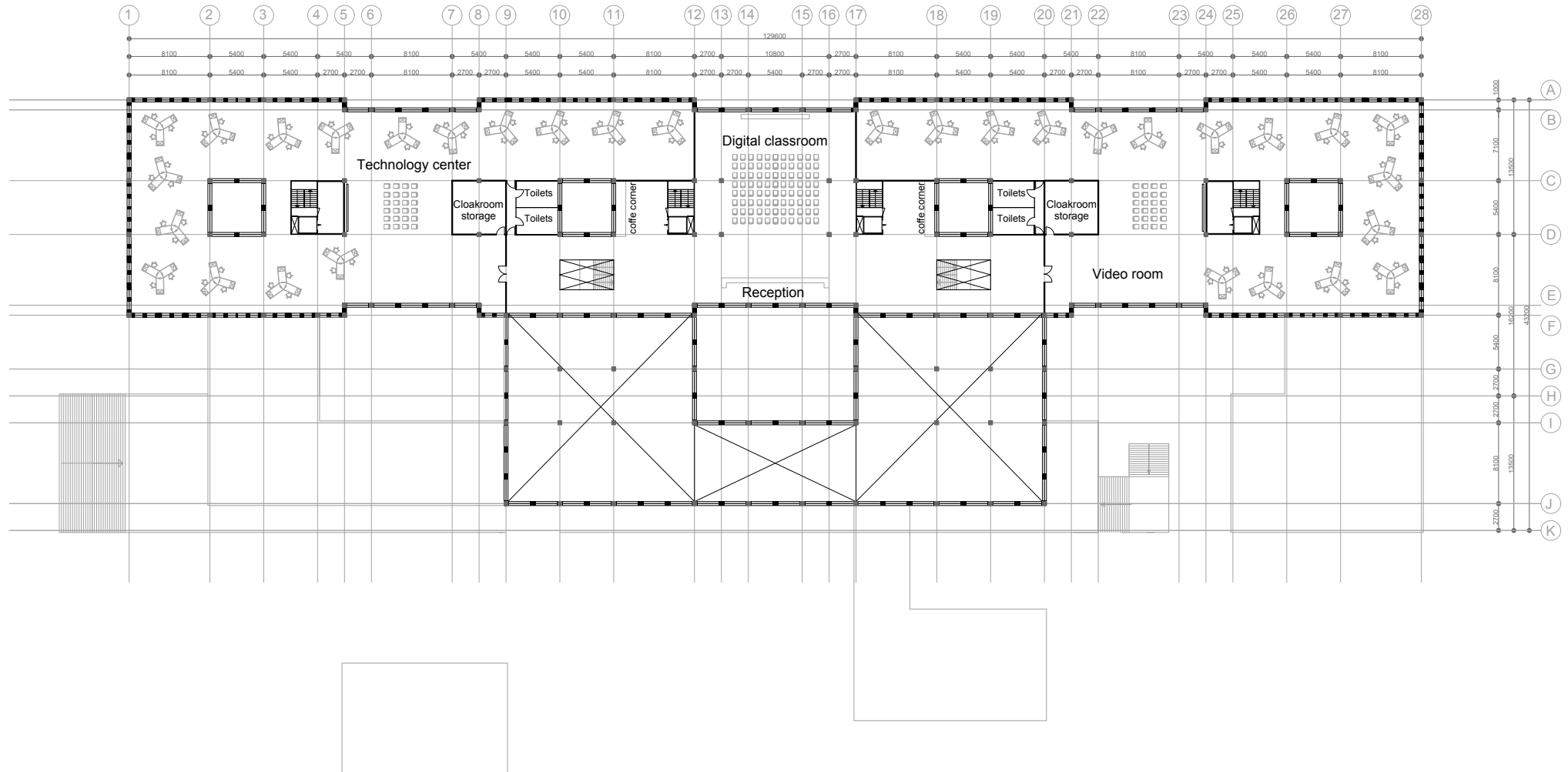


Office spaces



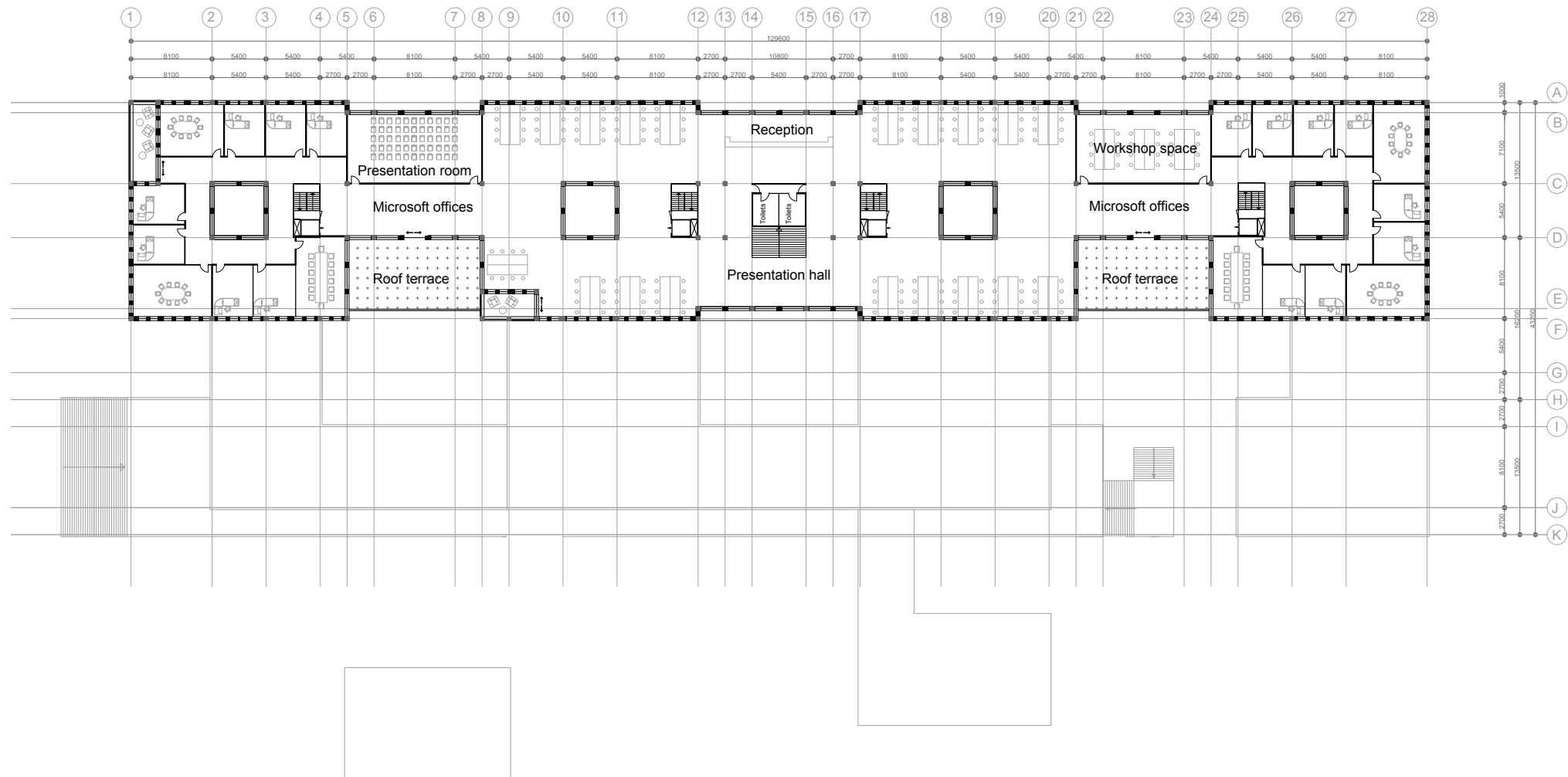
implementation

THIRD FLOOR



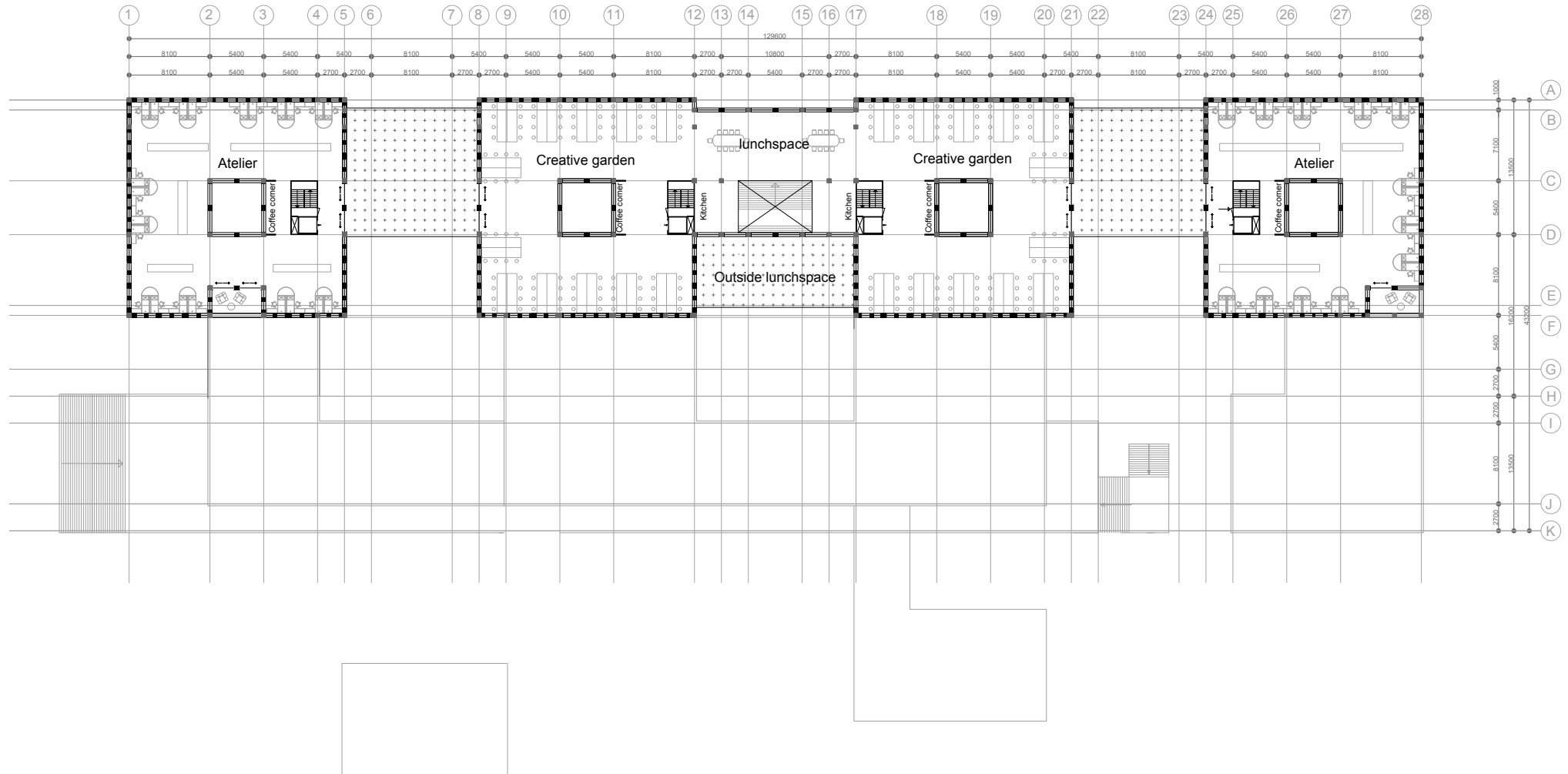
implementation

FOURTH FLOOR



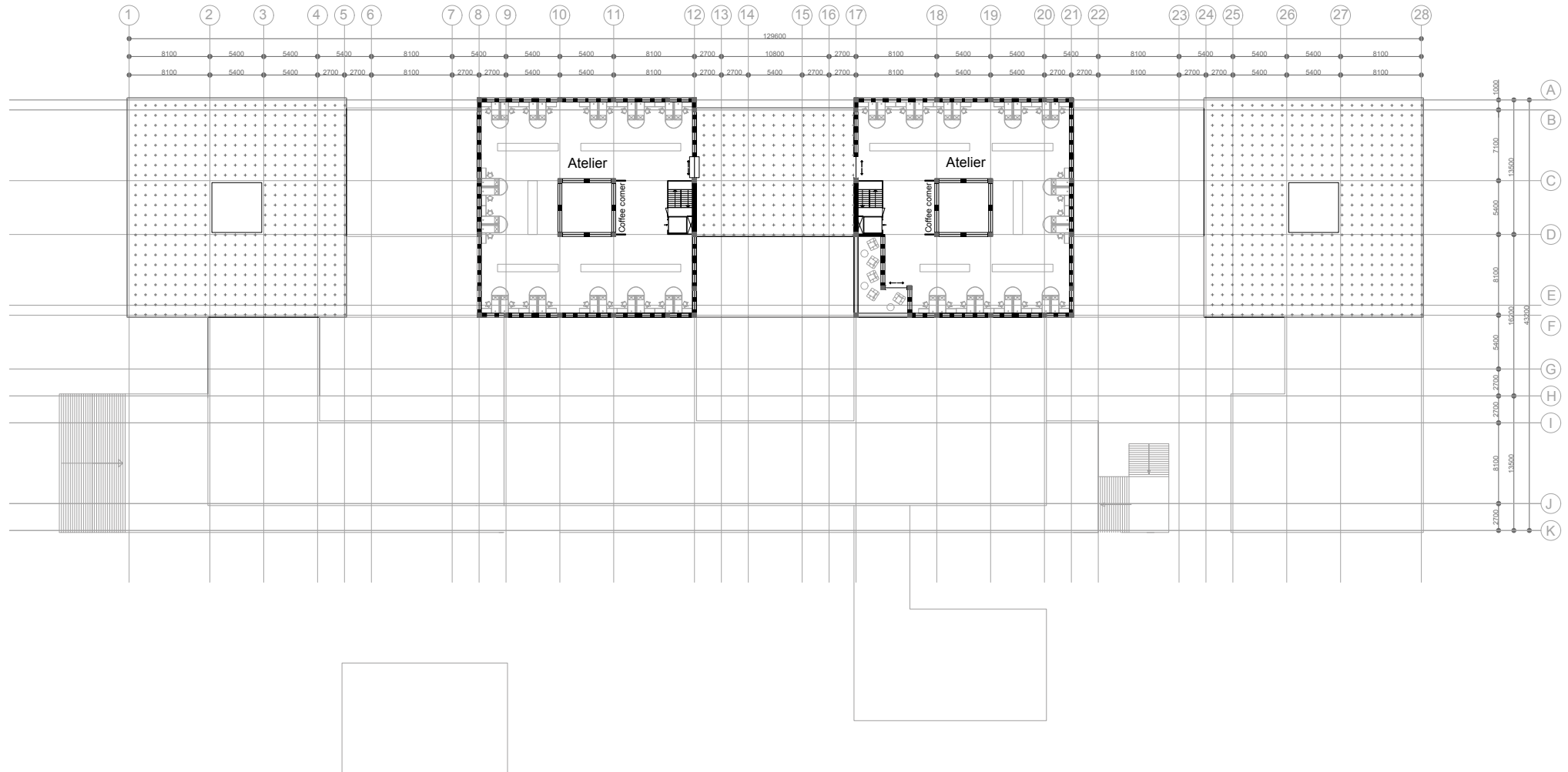
implementation

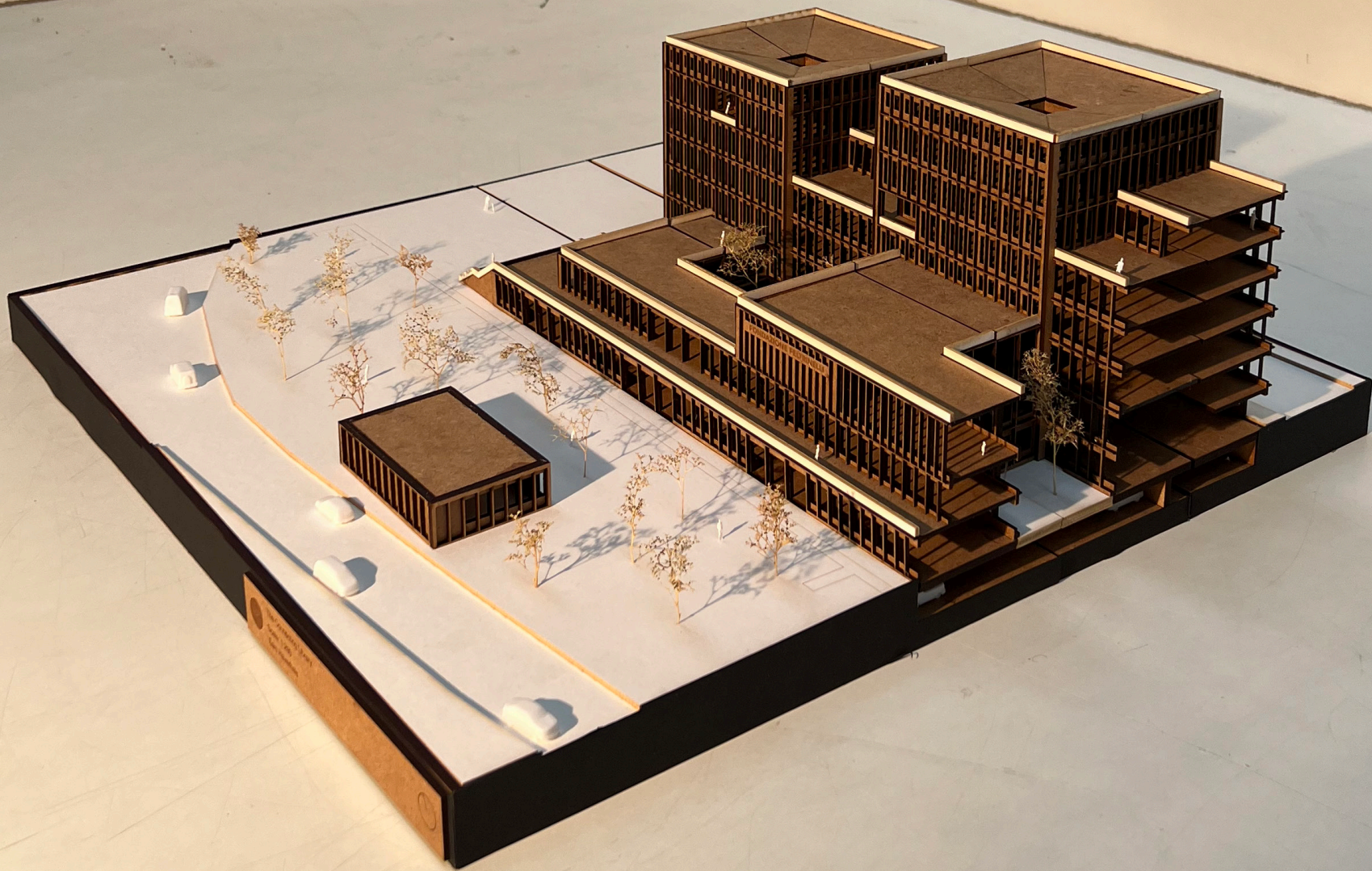
FIFTH FLOOR



implementation

SIXTH FLOOR

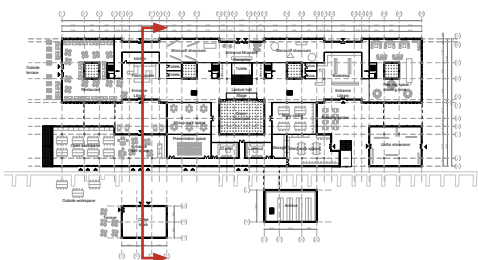
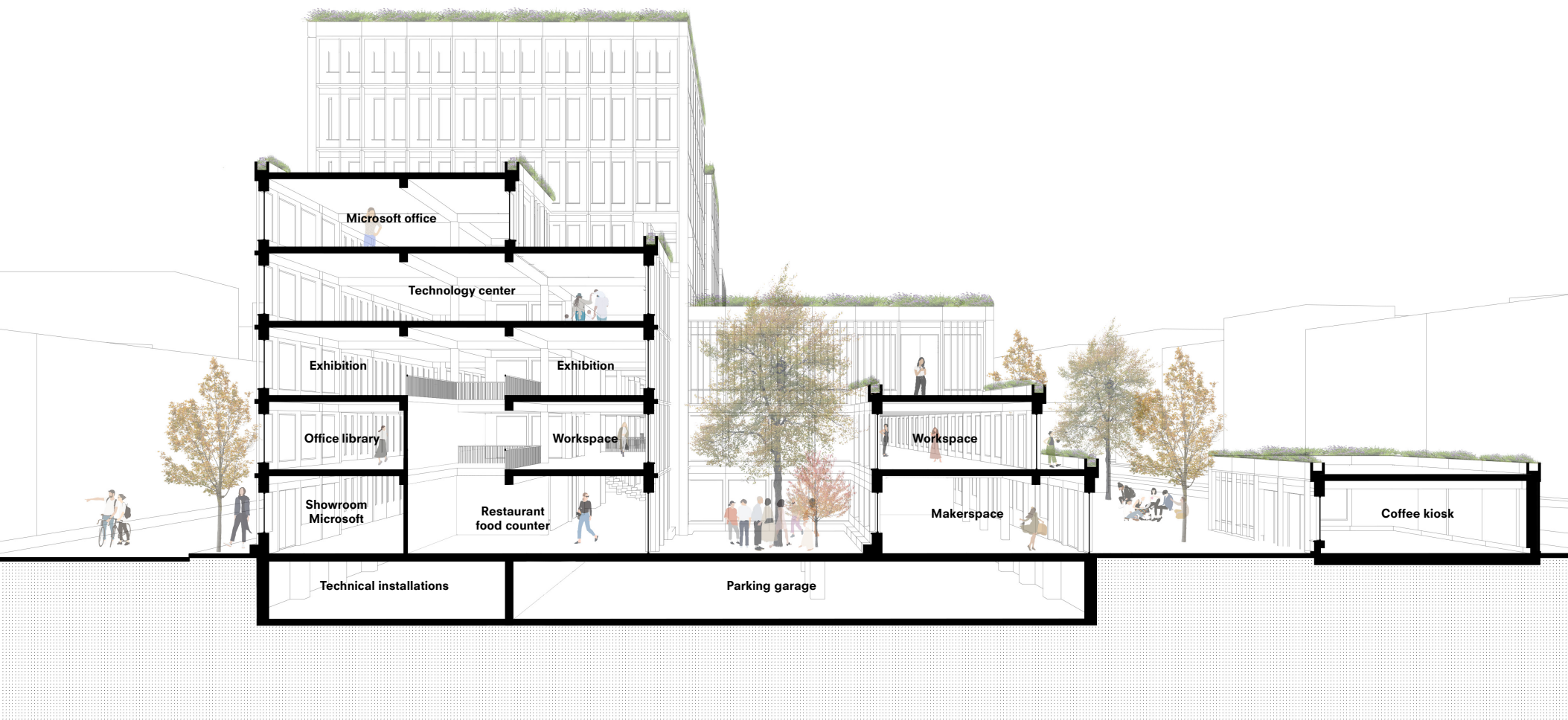




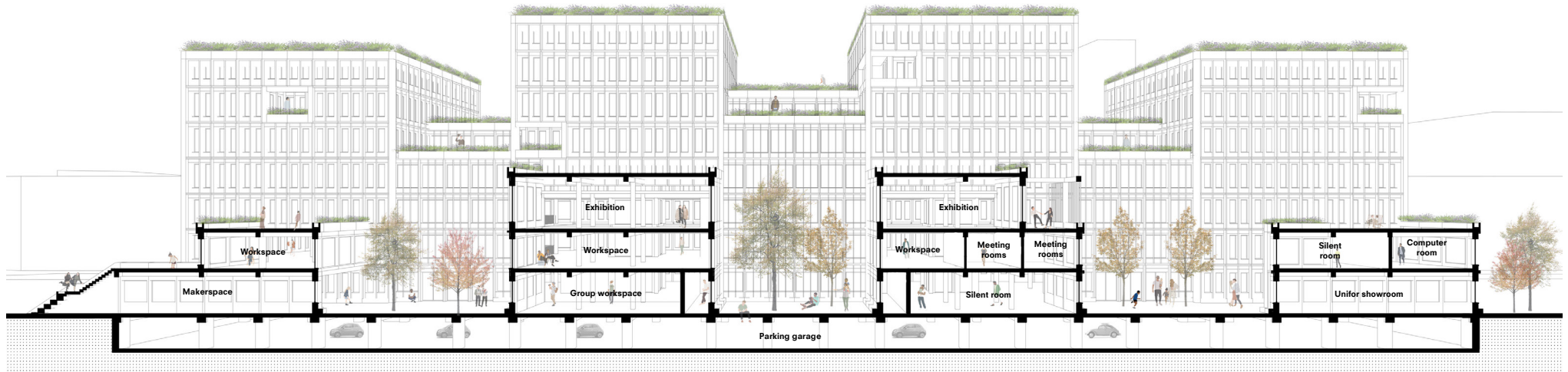




implementation
SECTION AA



implementation
SECTION BB



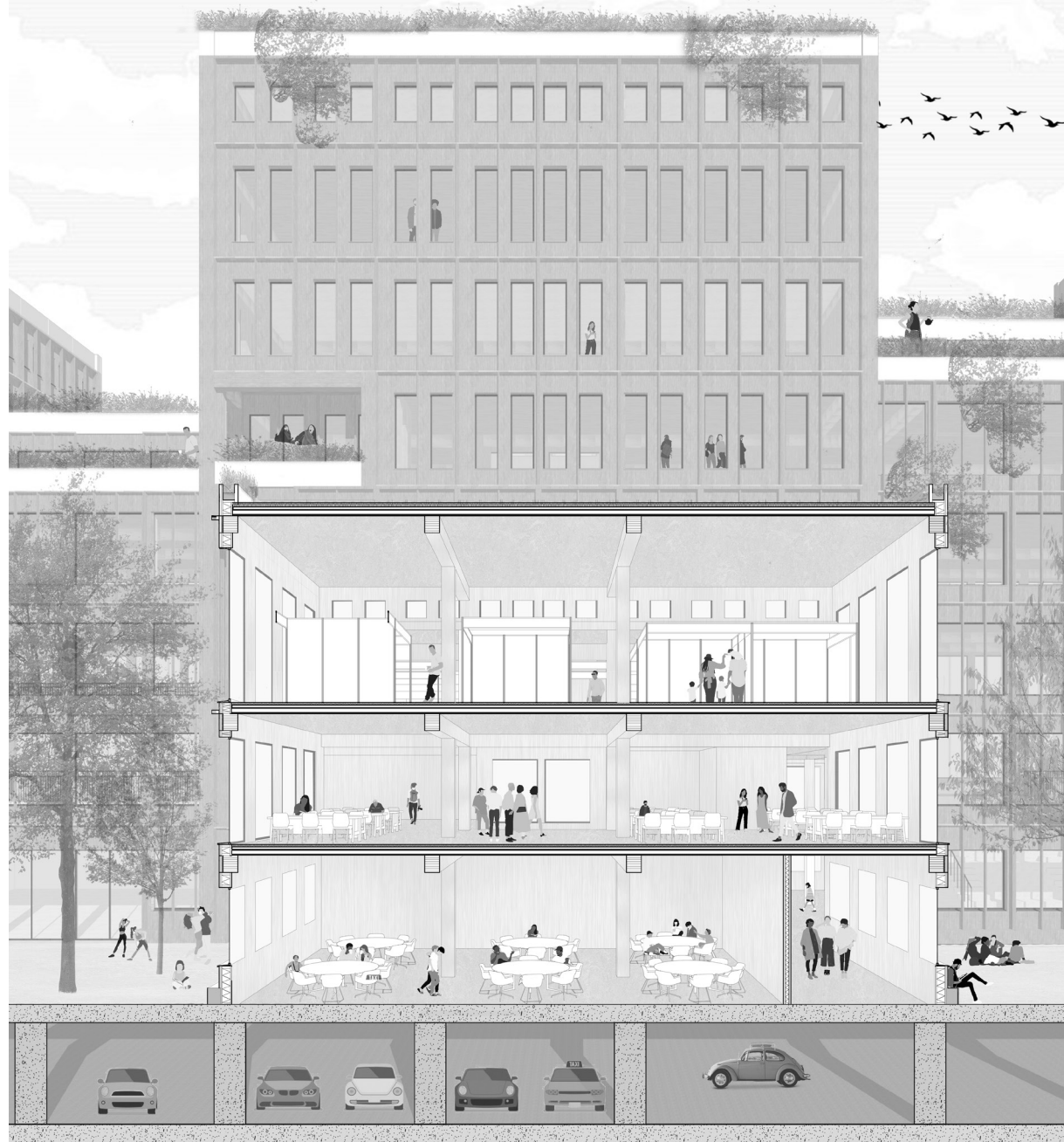
implementation

SECTION BB



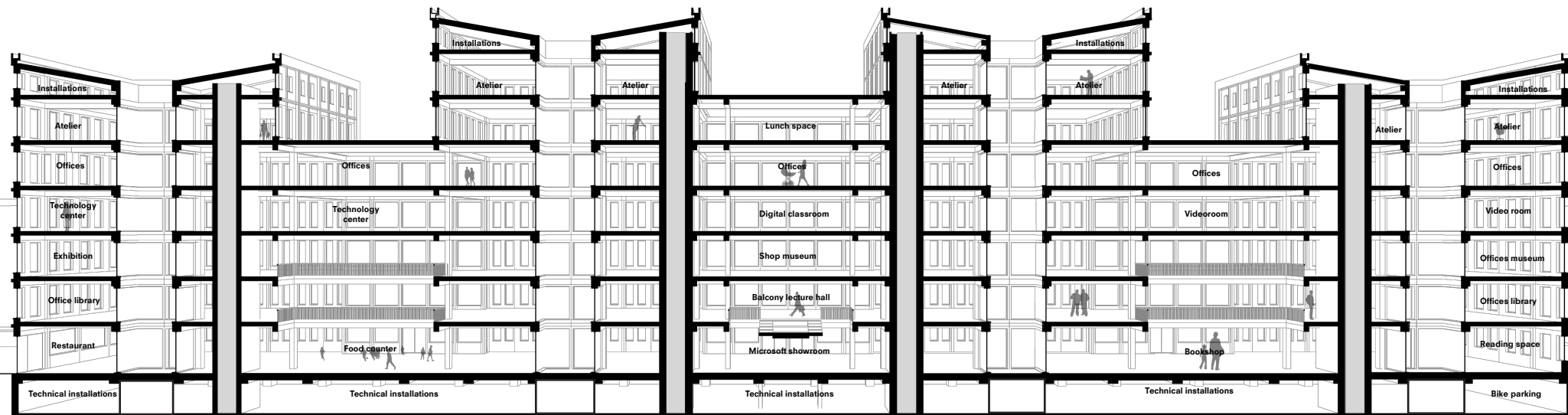
implementation

INTERIOR FRAGMENT



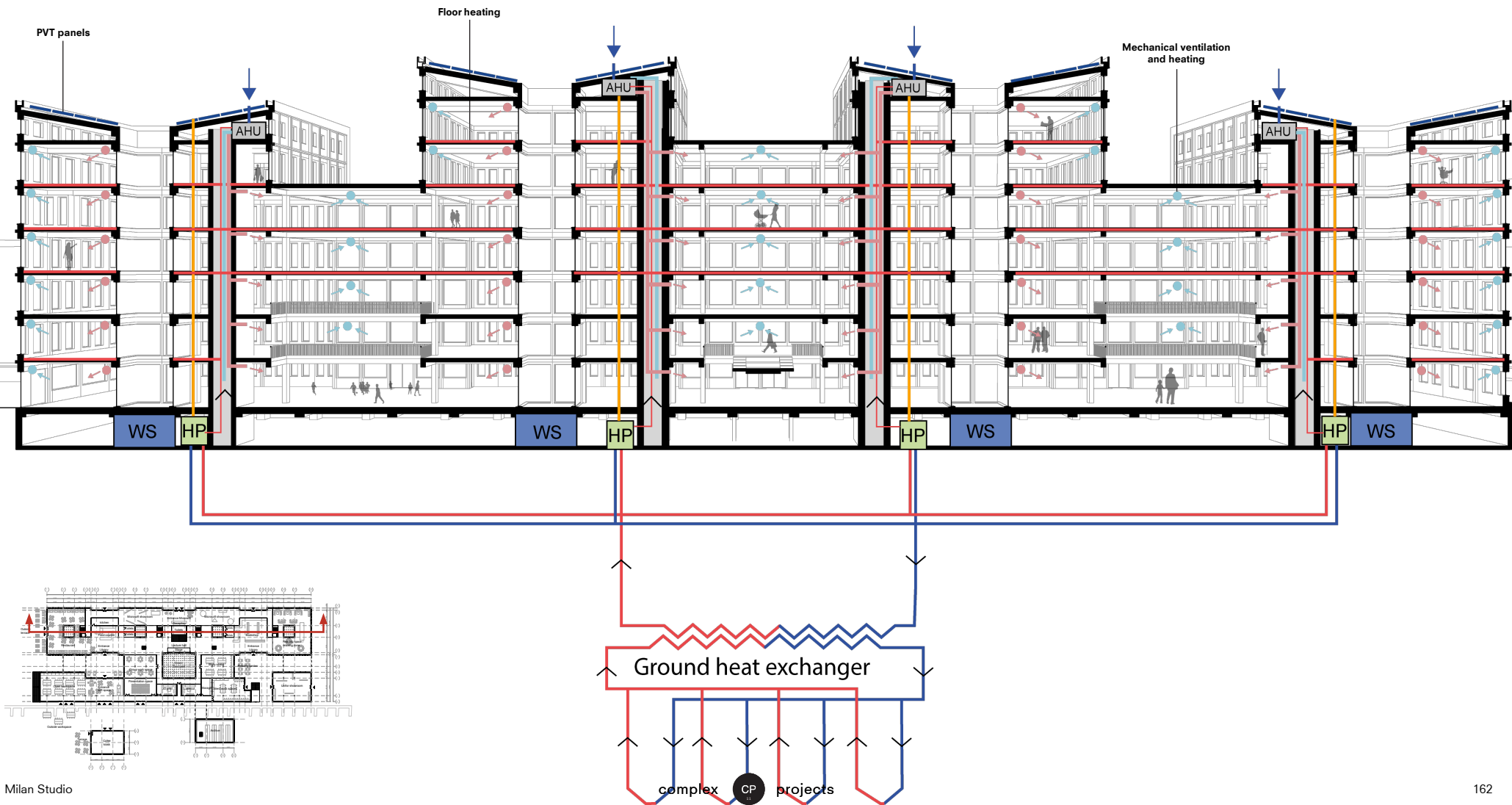
implementation

SECTION CC



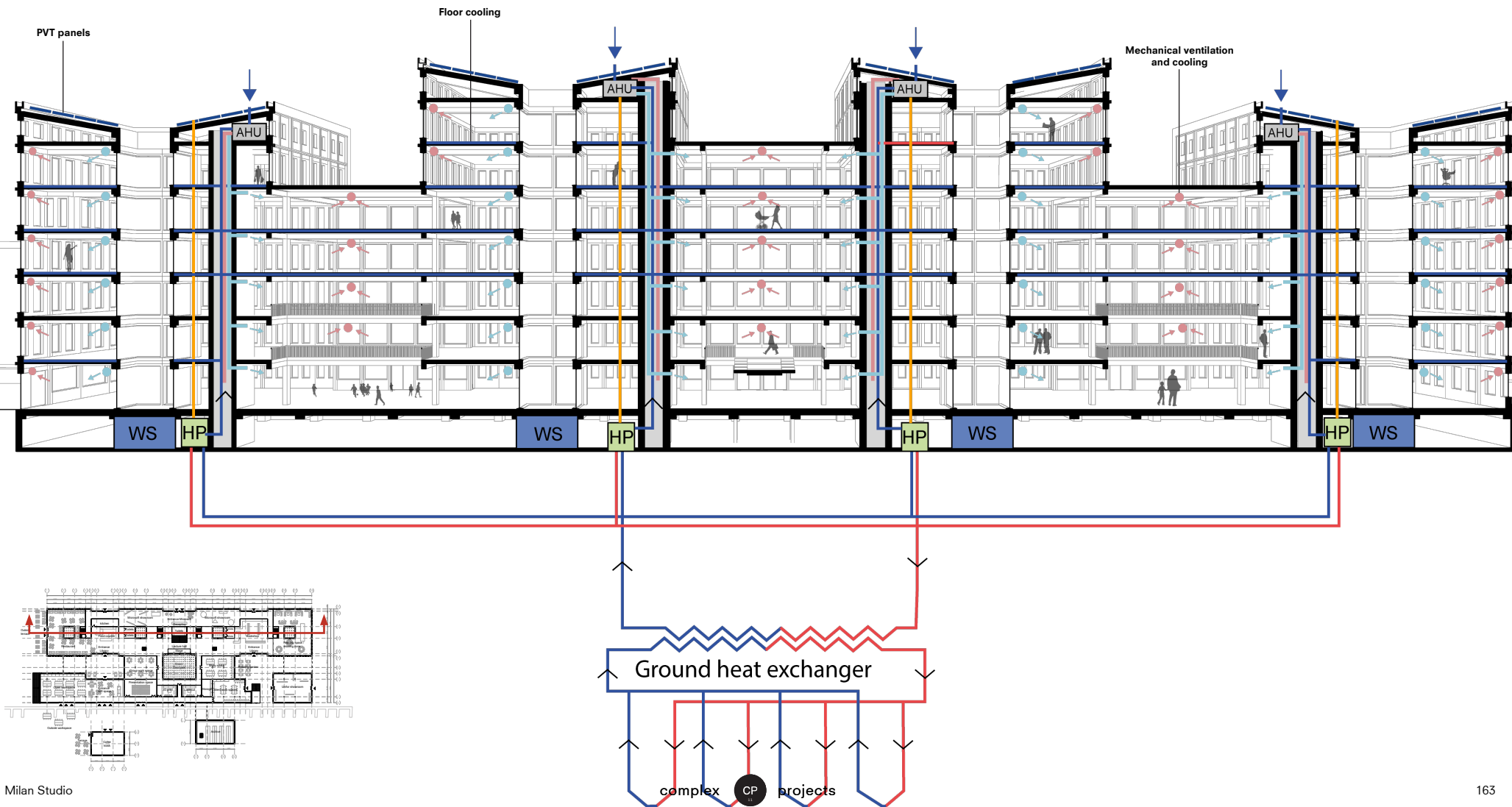
implementation

CLIMATE SECTION (WINTER)



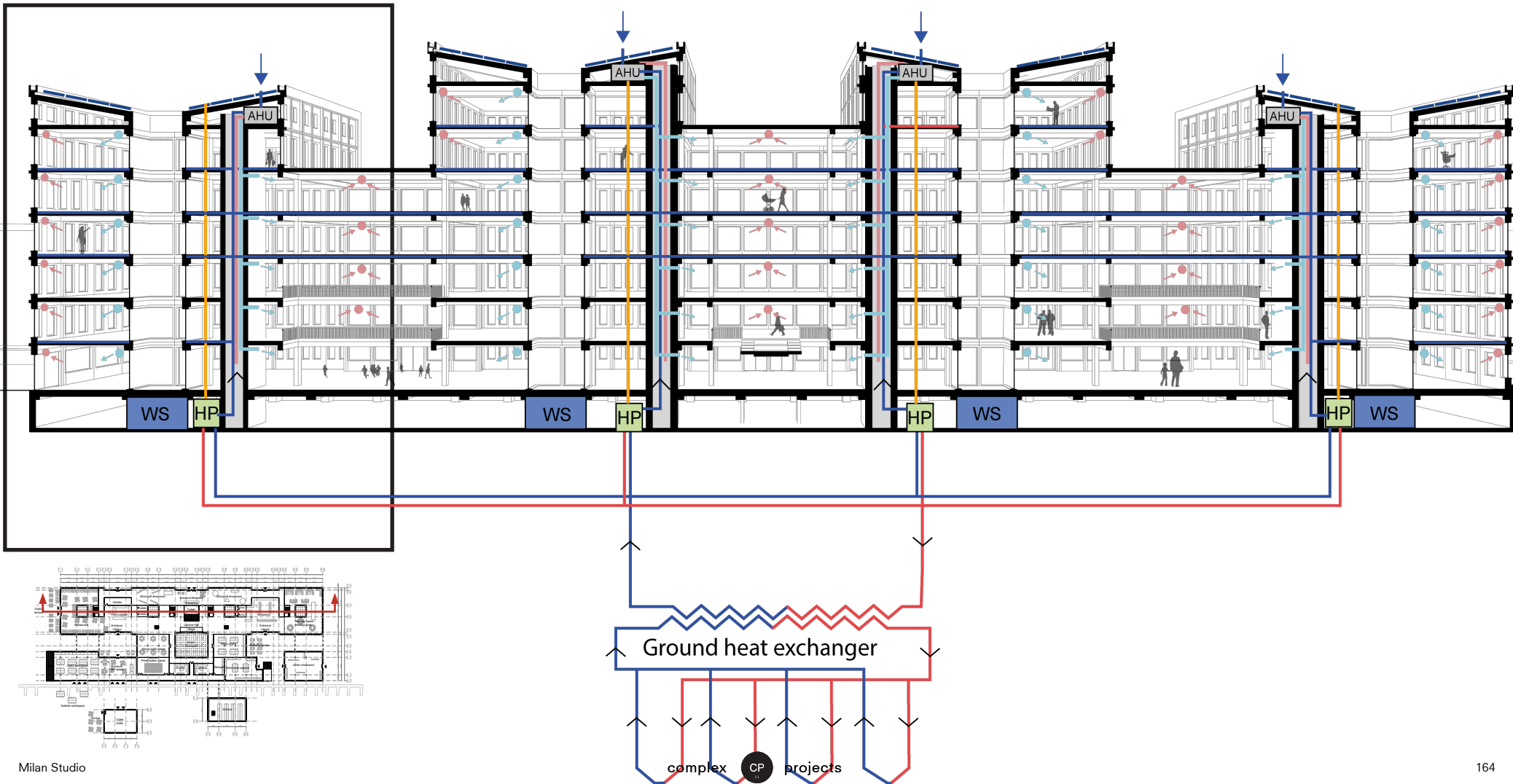
implementation

CLIMATE SECTION (SUMMER)



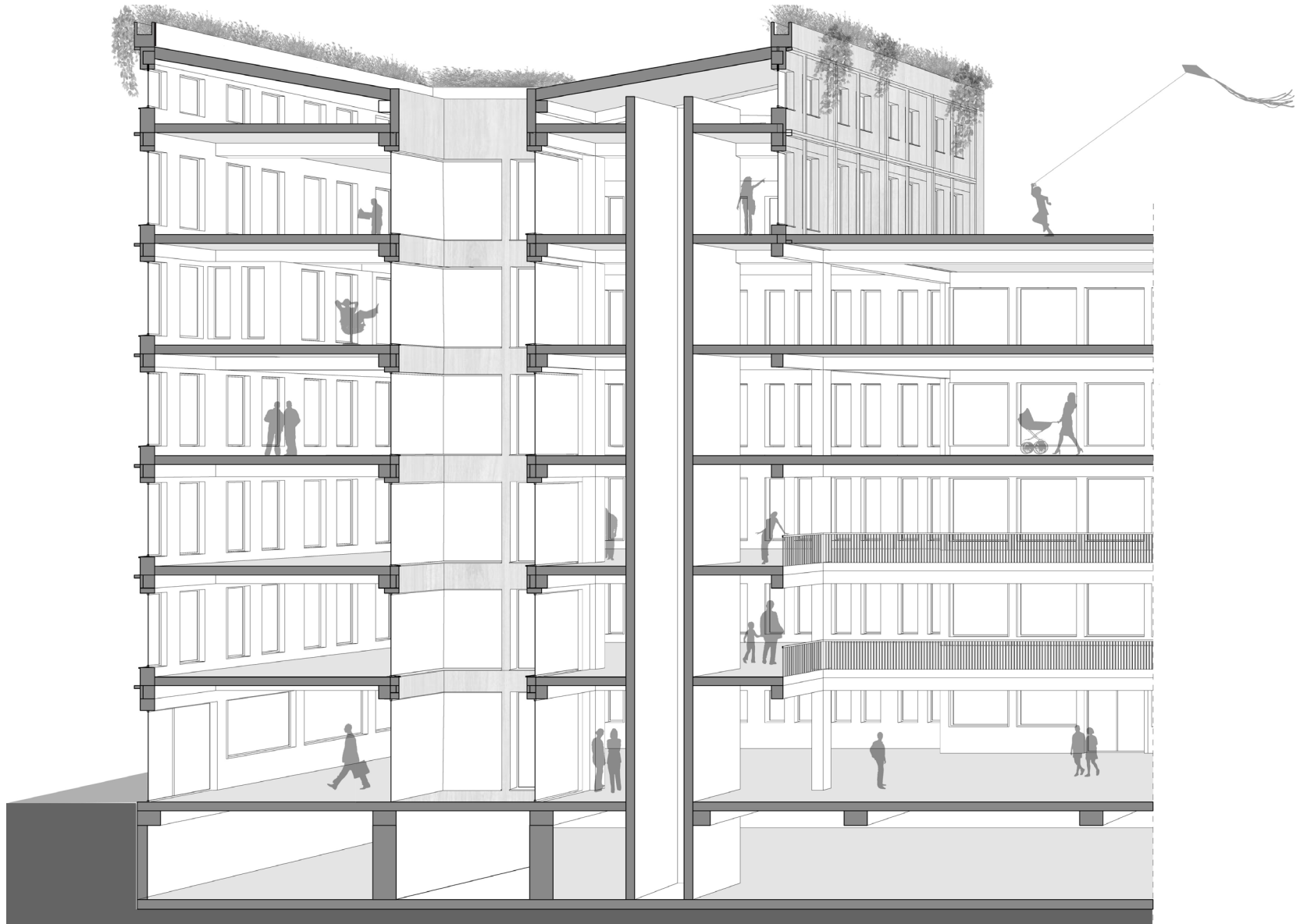
implementation

CLIMATE SECTION SUMMER



implementation

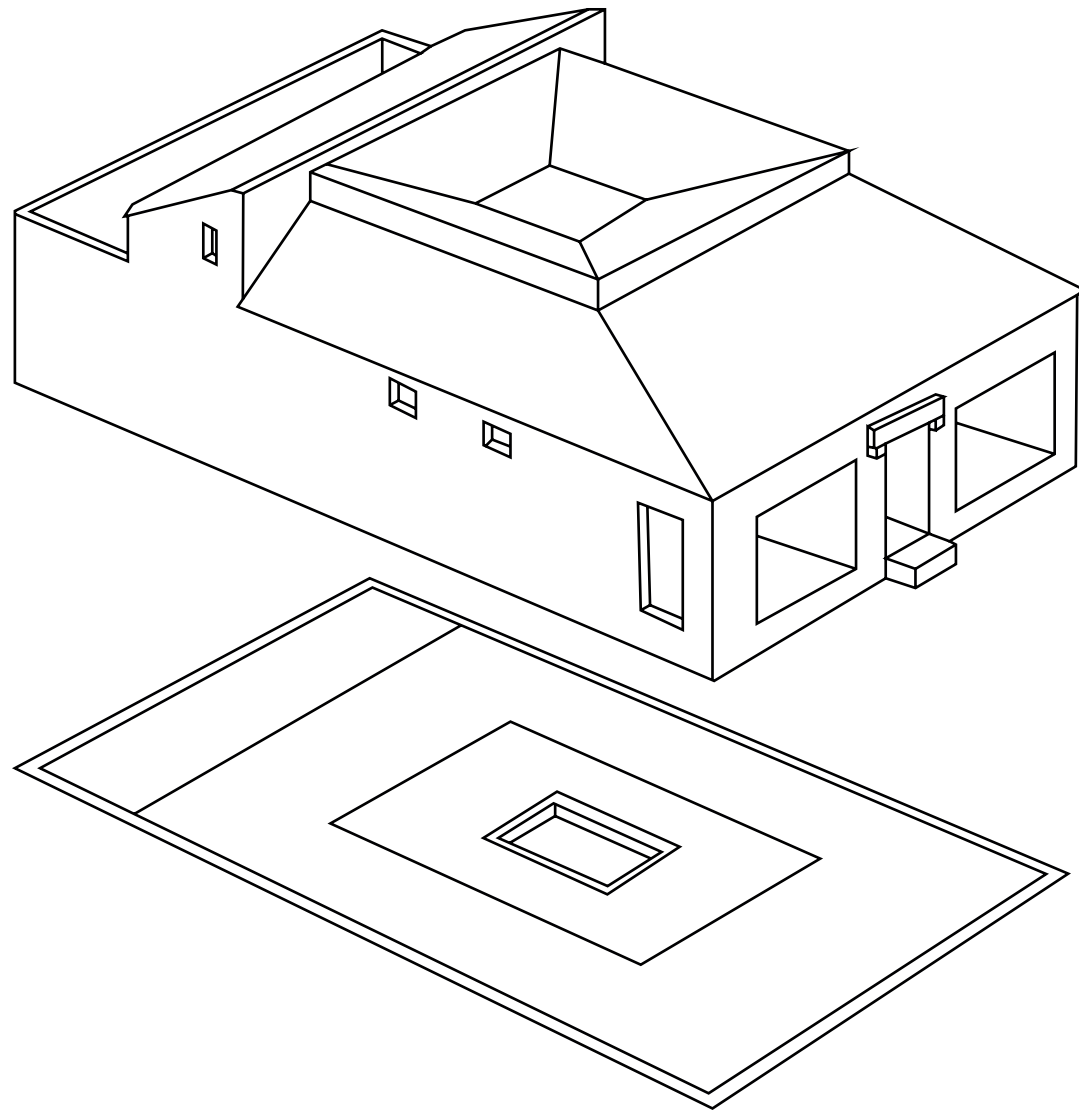
IMPLUVIUM



Impluvium

implementation

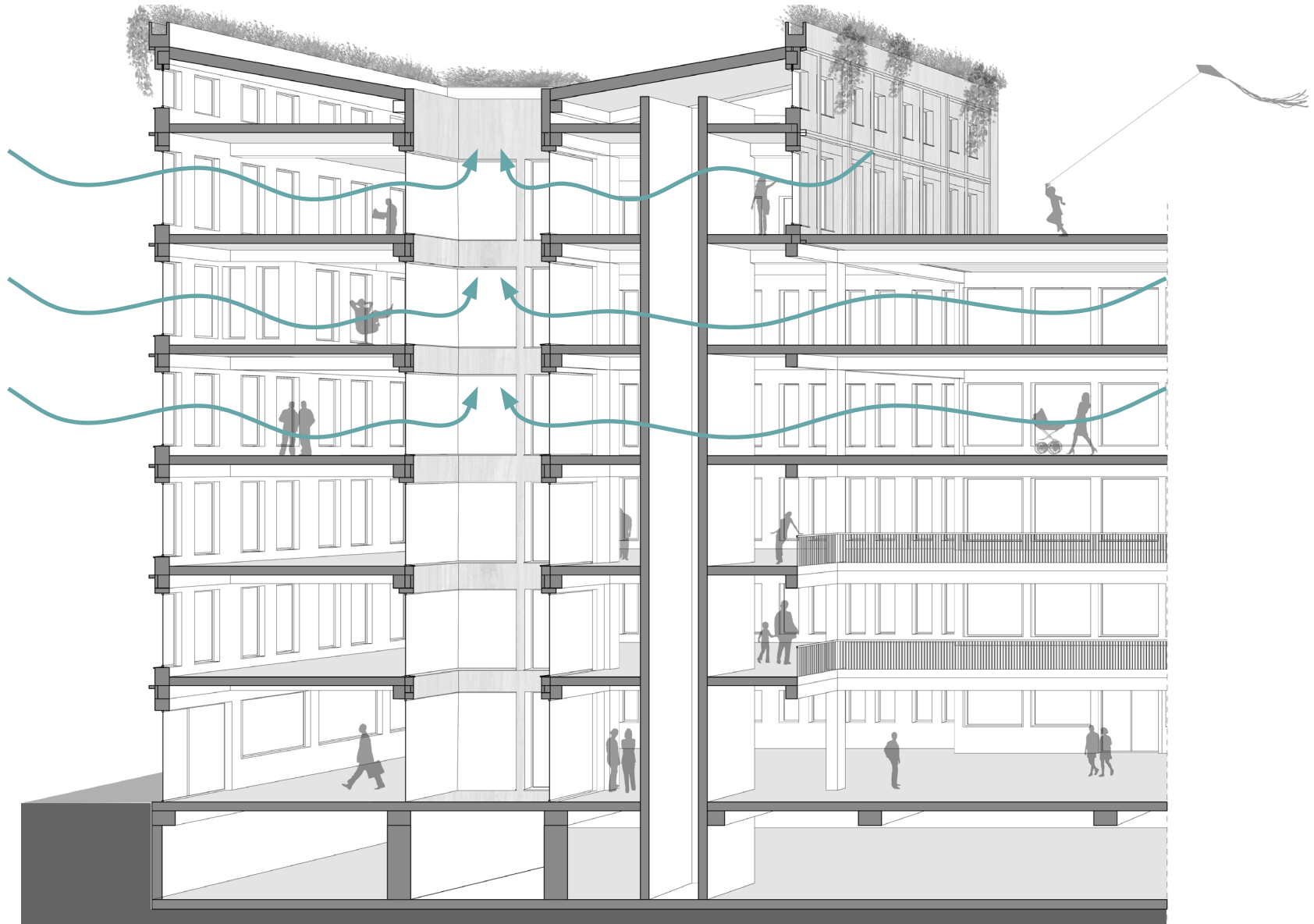
ROMAN HOUSE



Domus (Roman House) 500 BCE

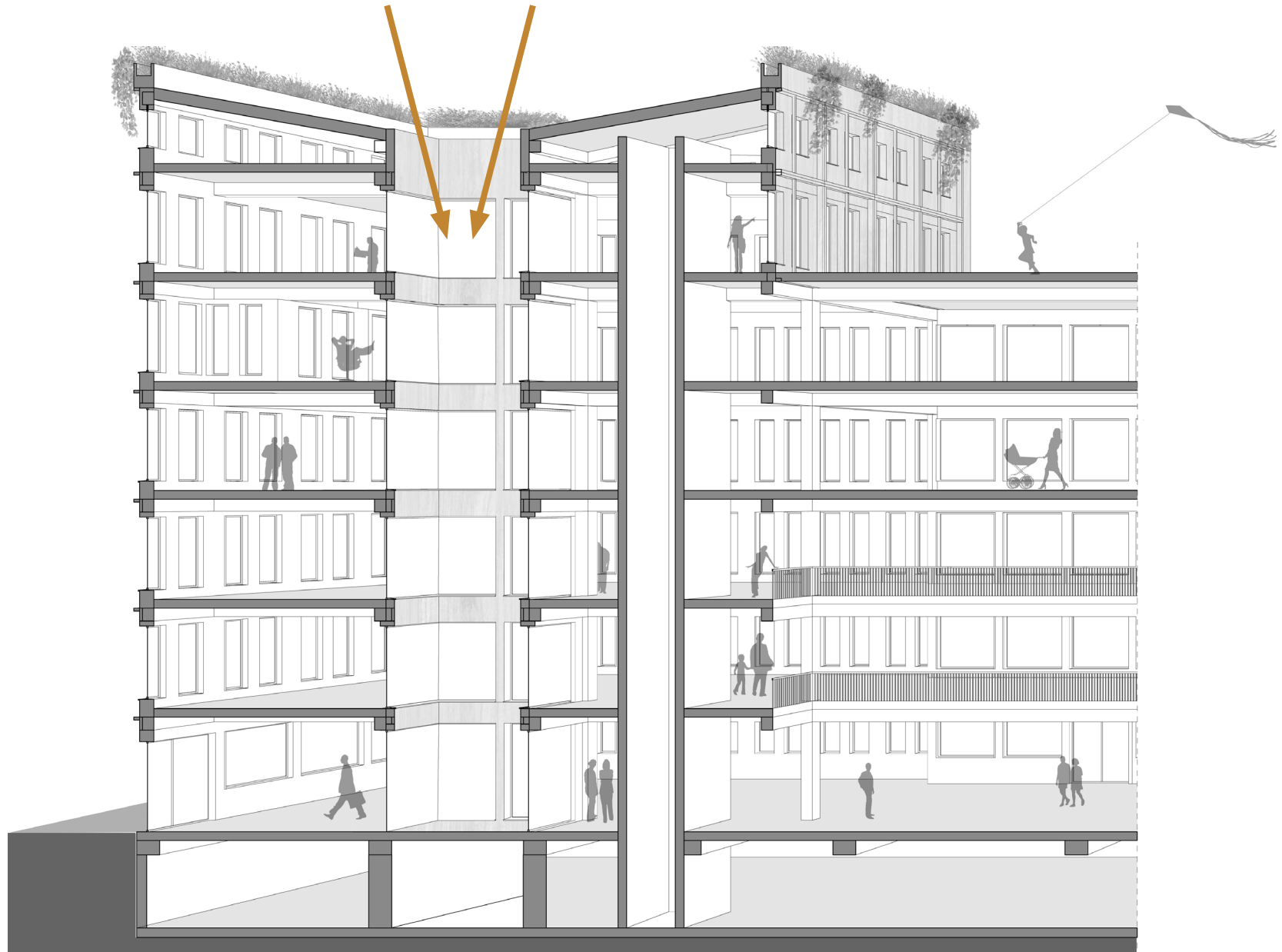
implementation

IMPLUVIUM



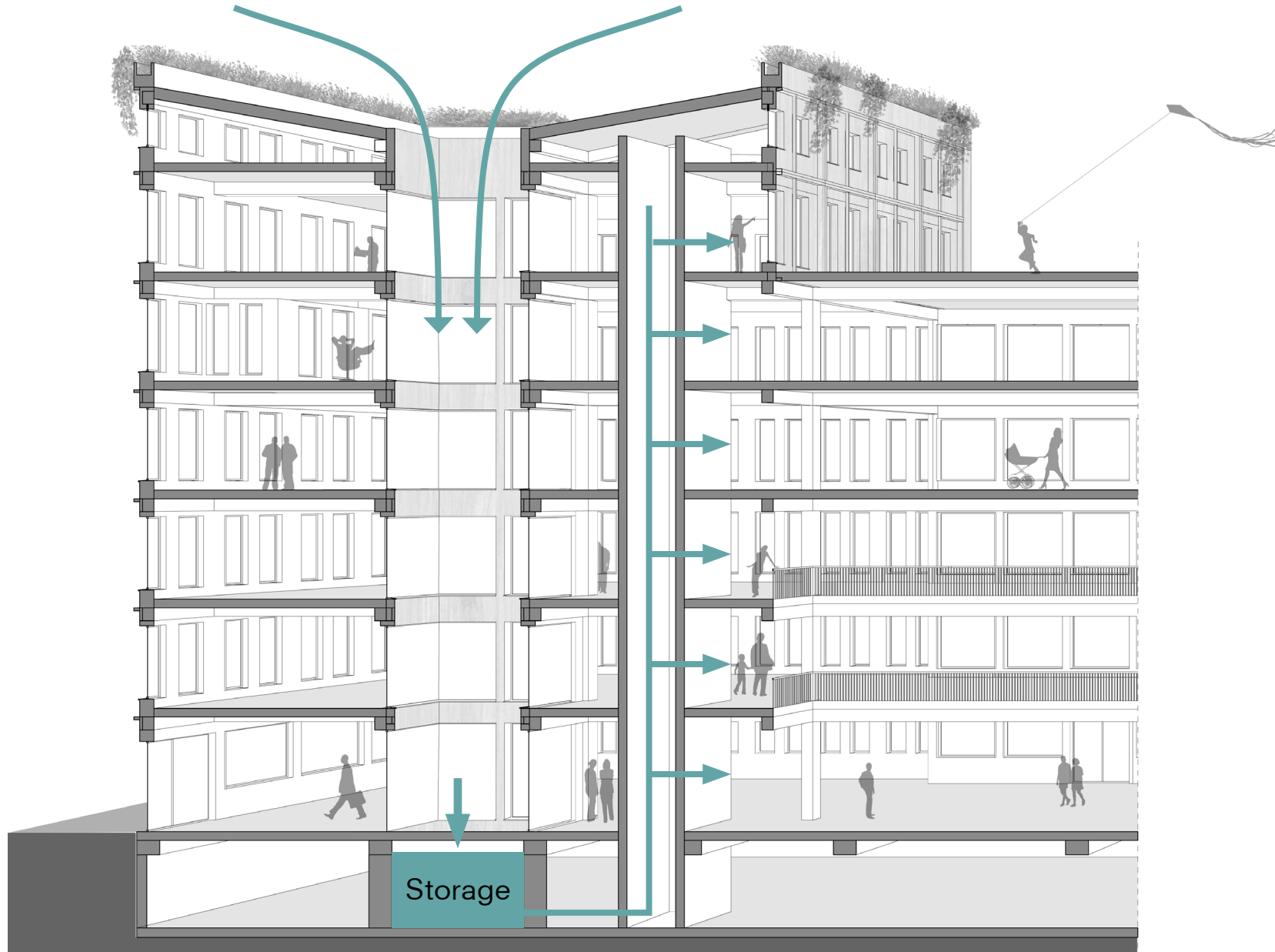
Cross ventilation

implementation
IMPLUVIUM



Daylight

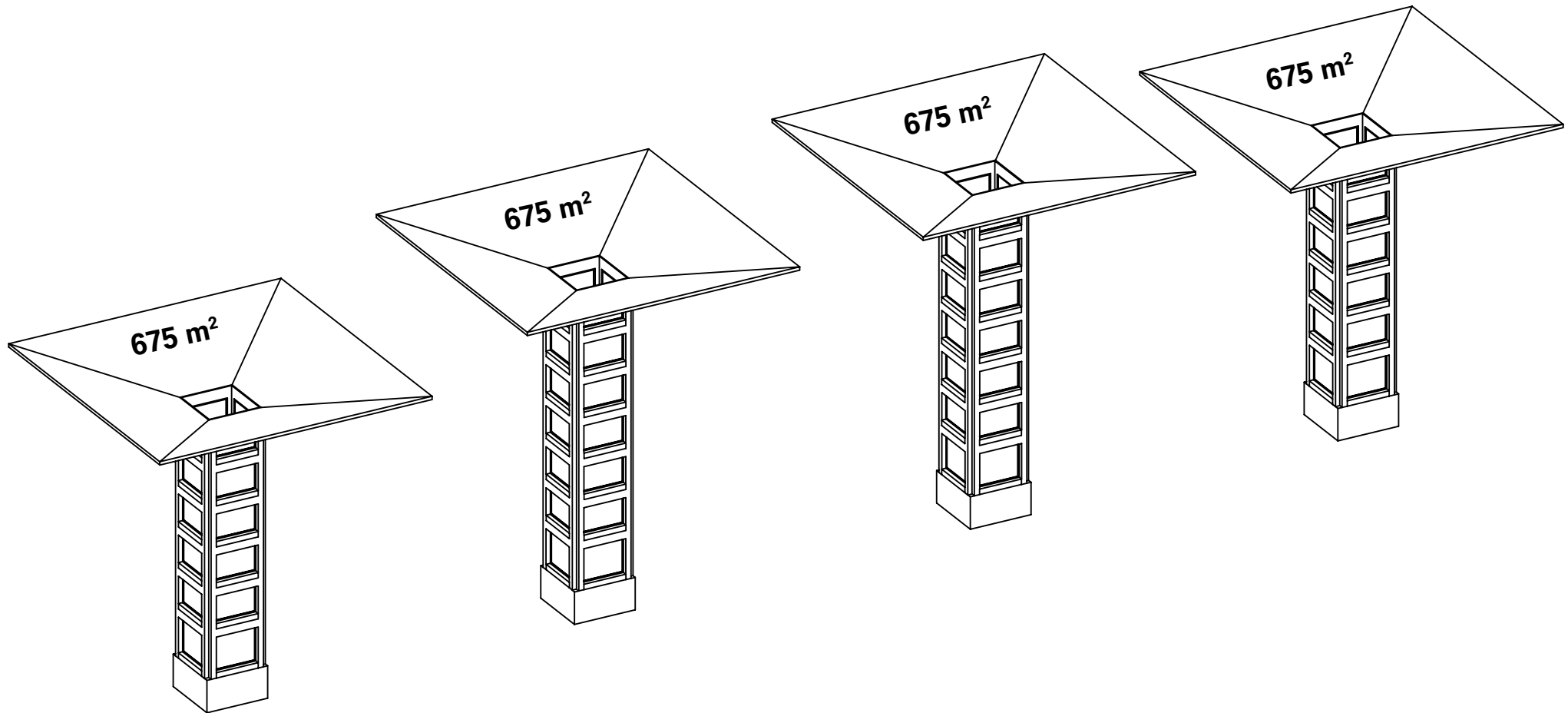
implementation
IMPLUVIUM



Water

implementation

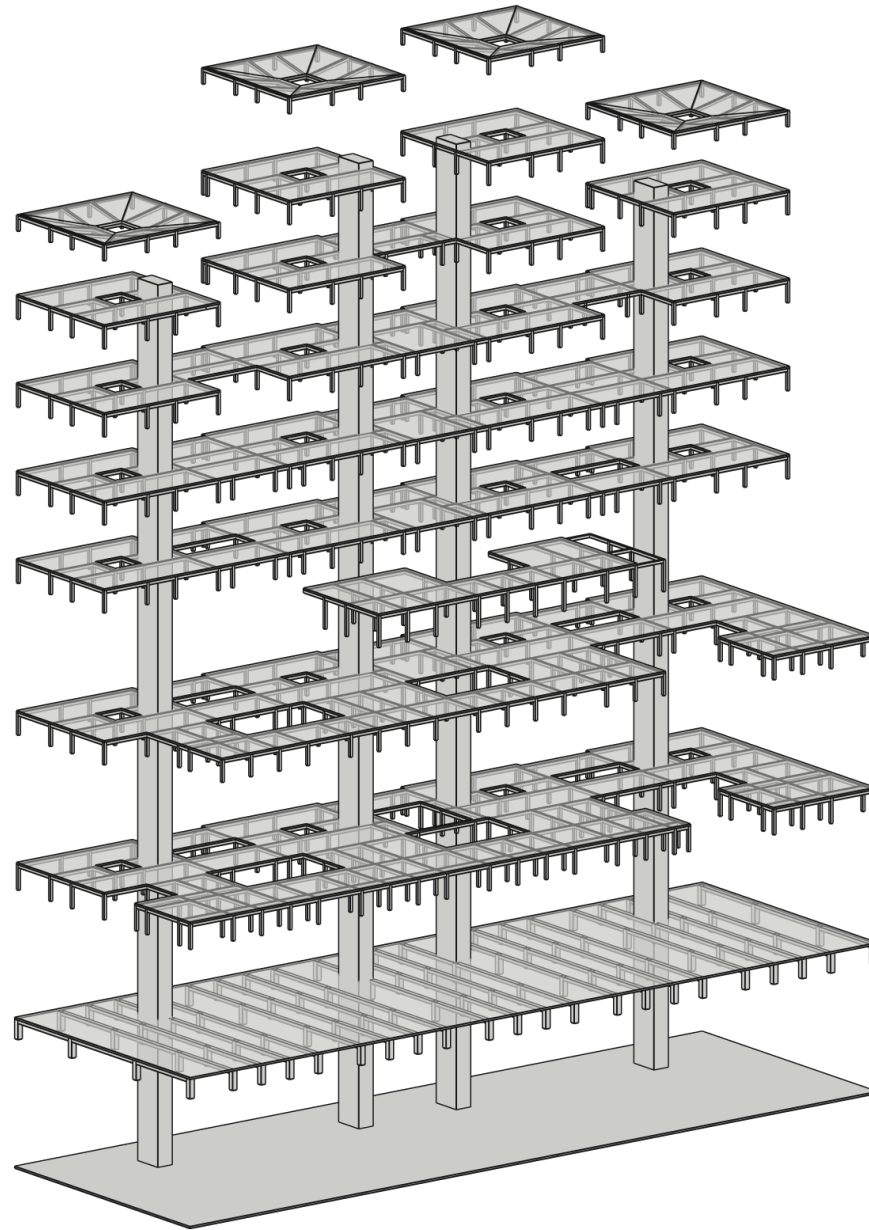
IMPLUVIUM



Assuming 500 users and two toilet visits per day, the annual collection of 2,970,000 liters of rainwater fully covers the sanitary needs, with a surplus available for garden maintenance.

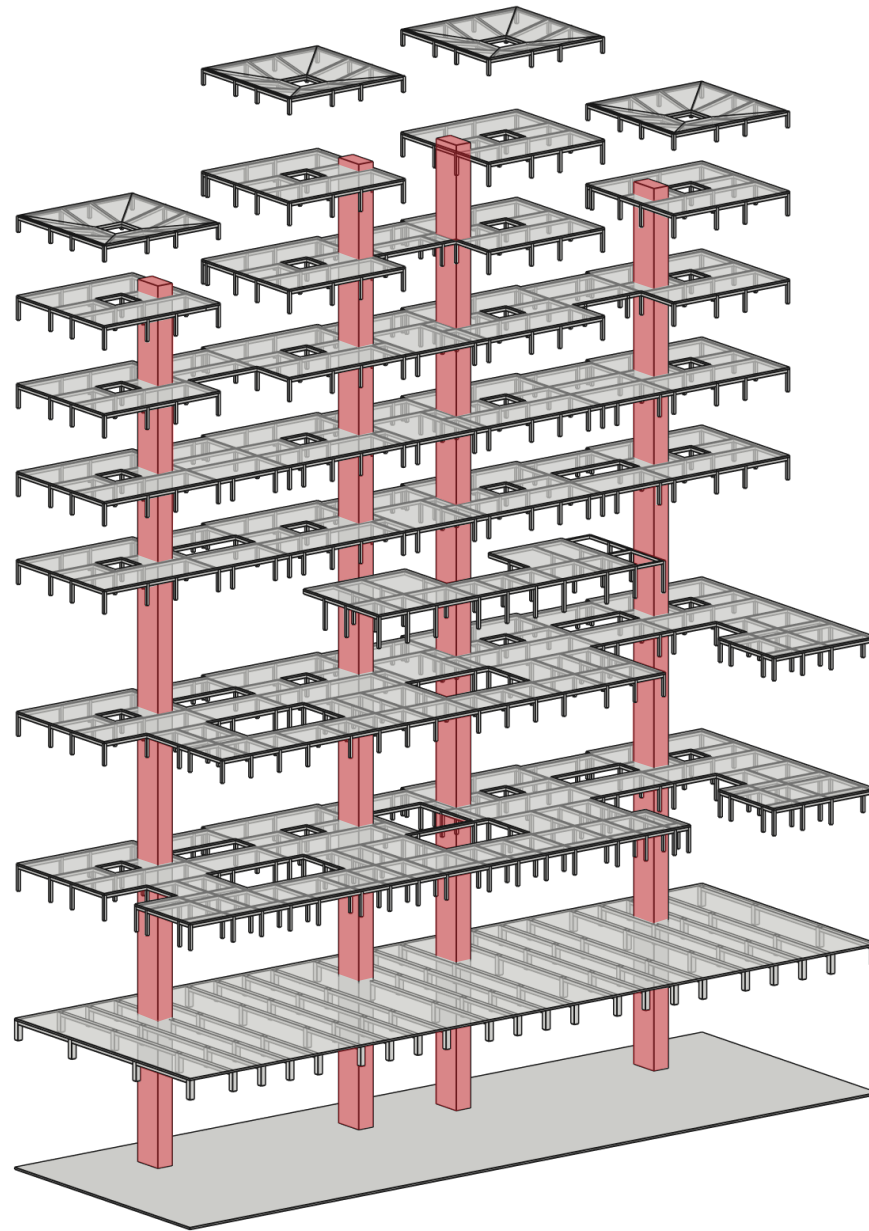
implementation

AXONOMETRY



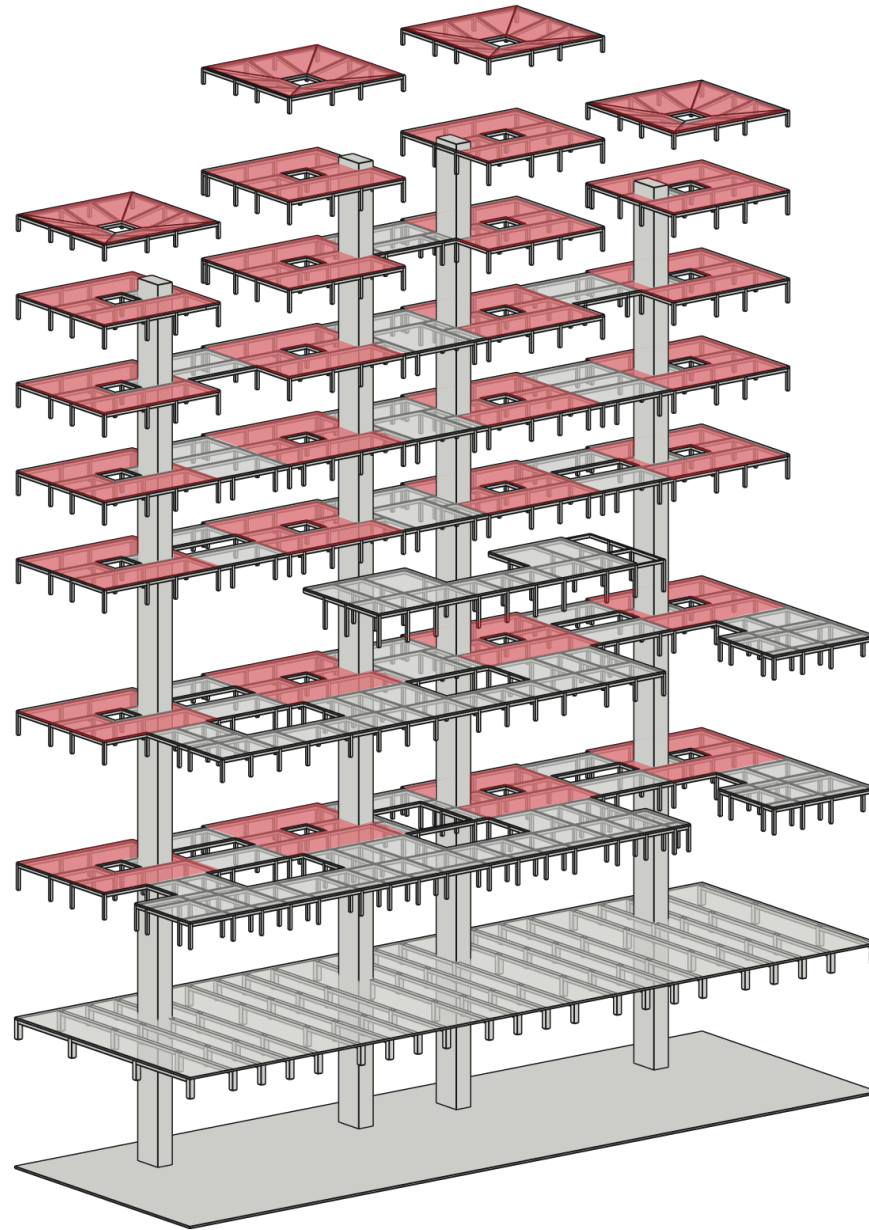
implementation

AXONOMETRY



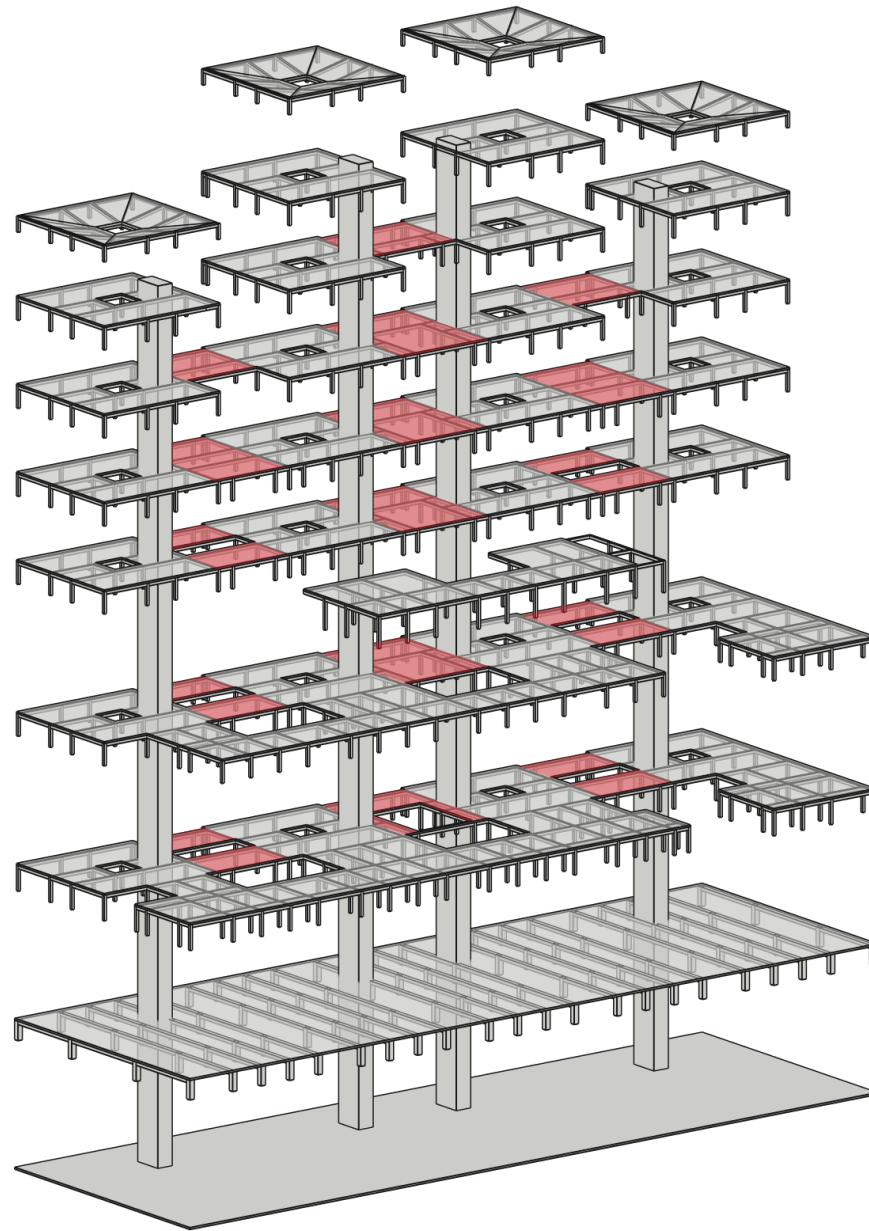
implementation

AXONOMETRY



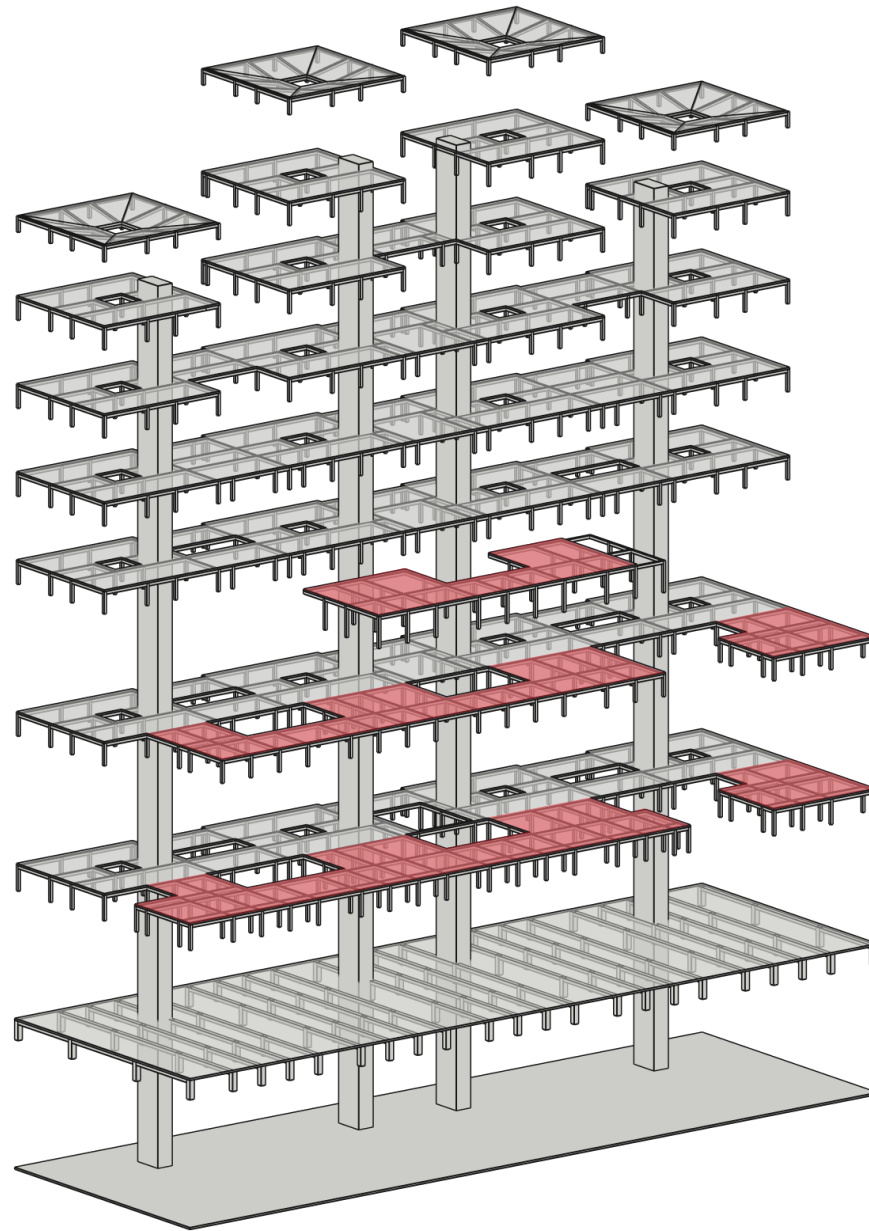
implementation

AXONOMETRY



implementation

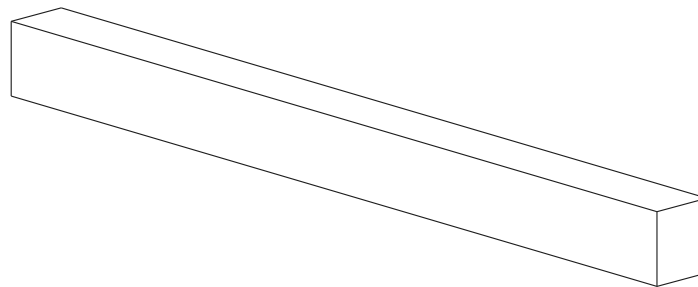
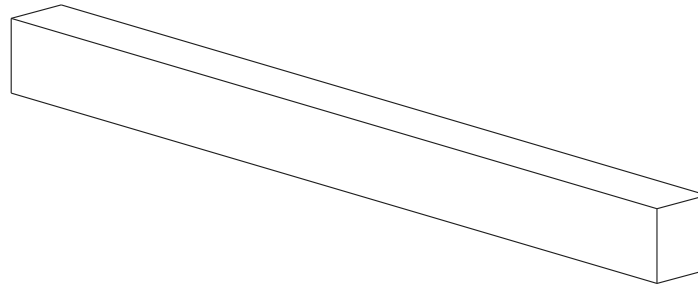
AXONOMETRY





implementation

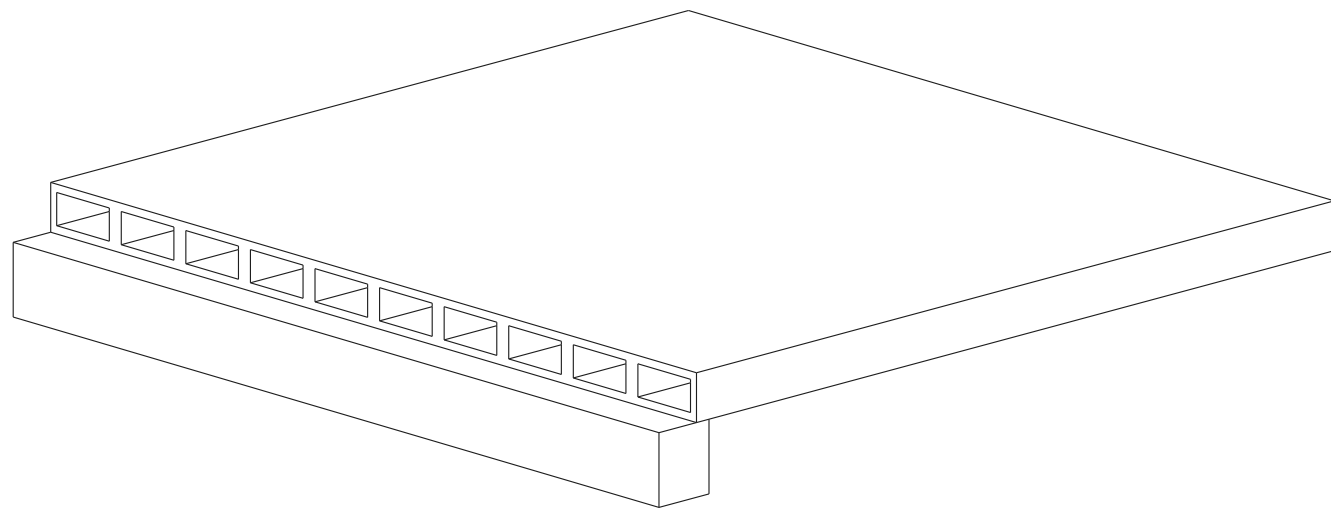
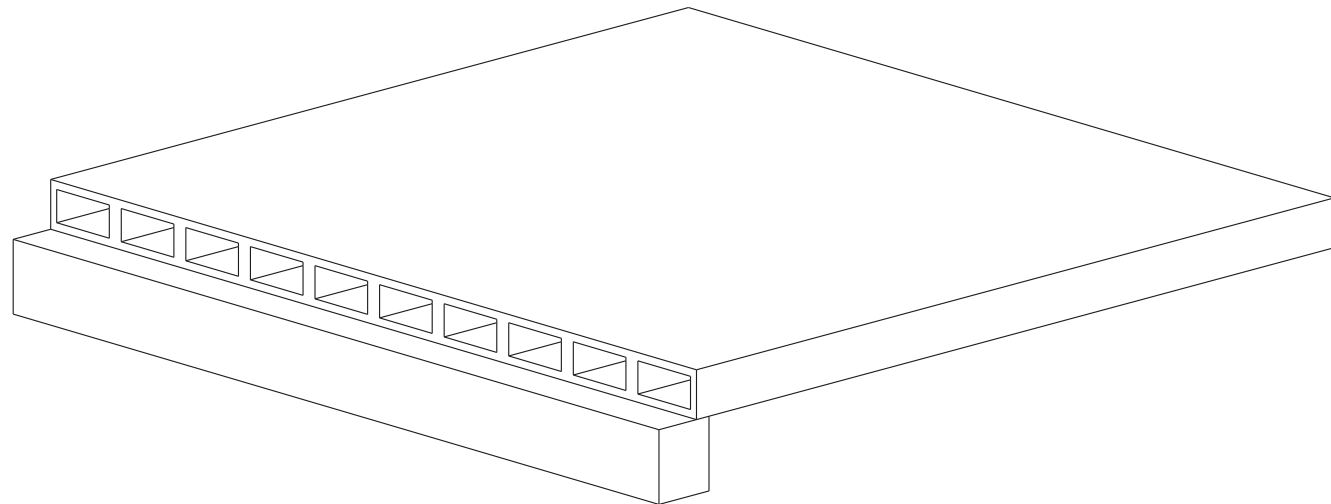
FACADE SYSTEM



Construction

implementation

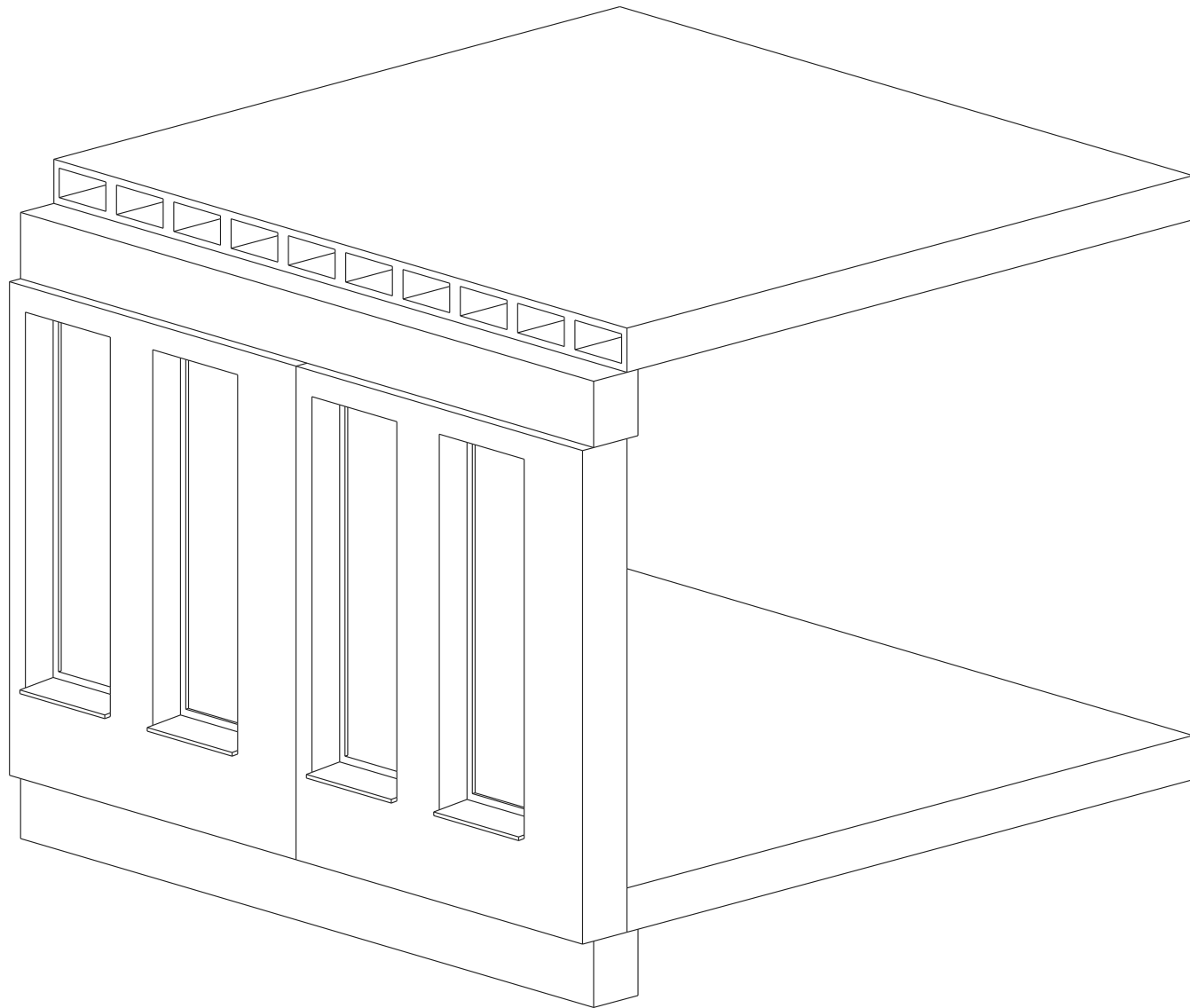
FACADE SYSTEM



Floor

implementation

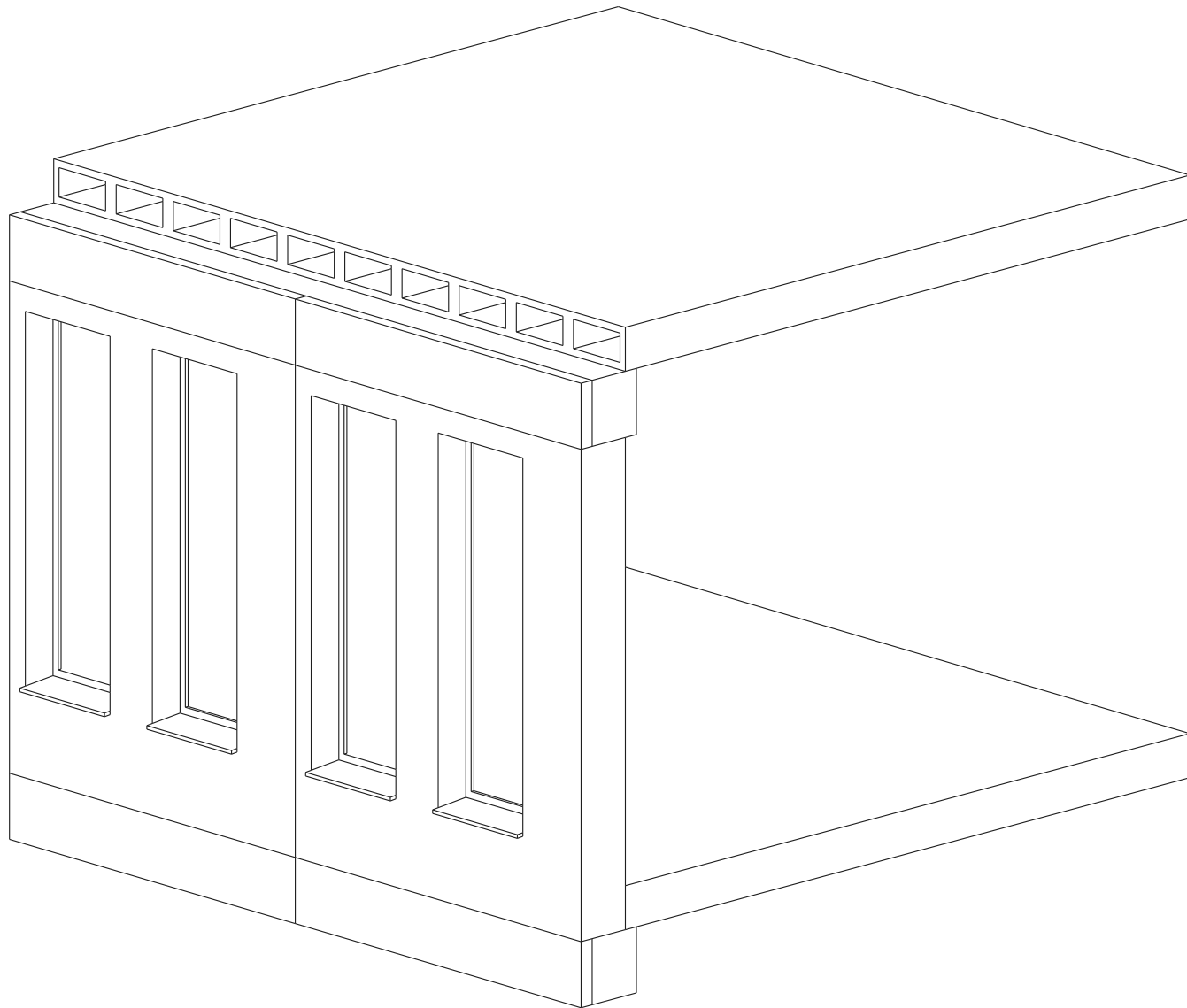
FACADE SYSTEM



Prefabricated facade panels

implementation

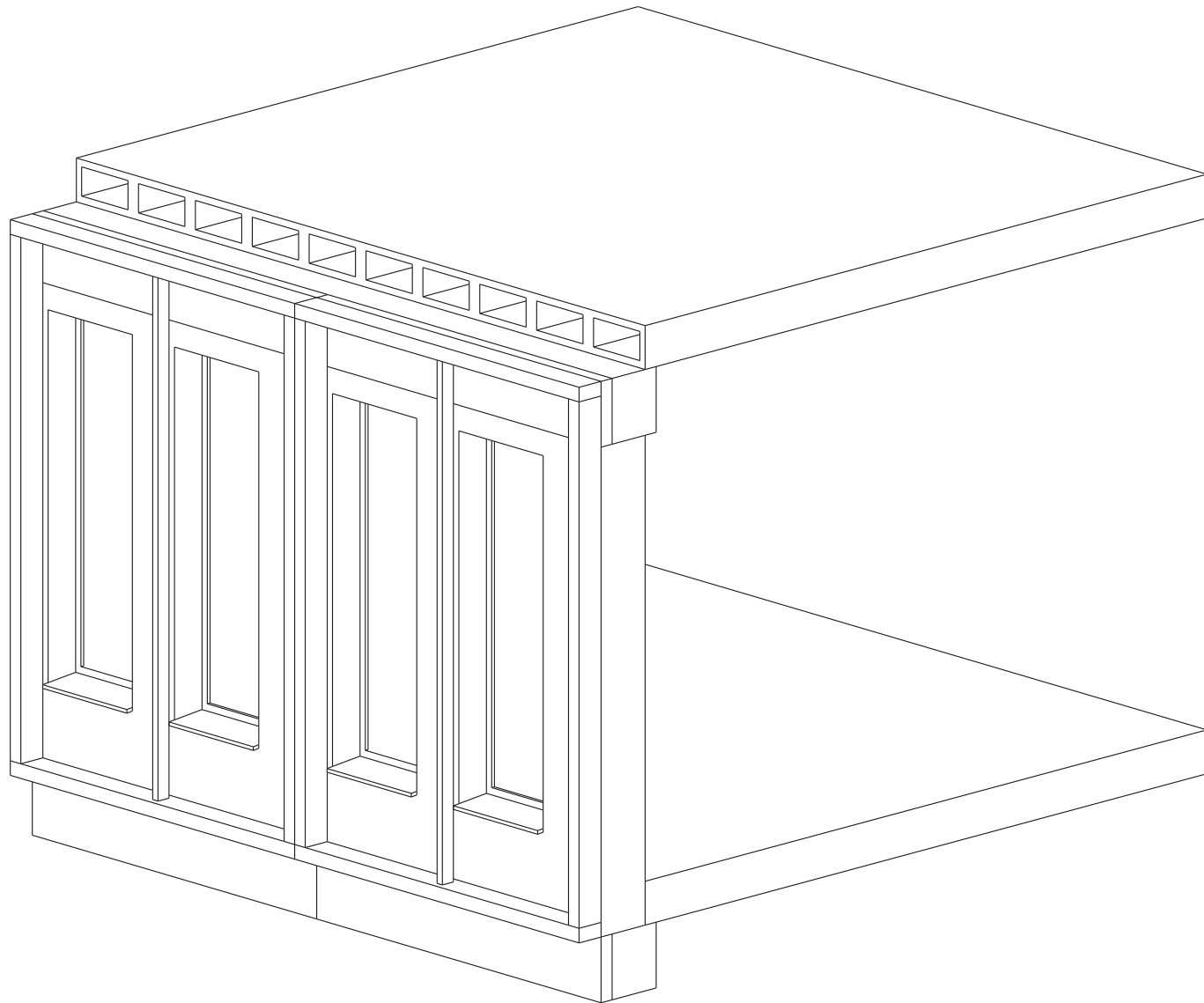
FACADE SYSTEM



Thermal bracket

implementation

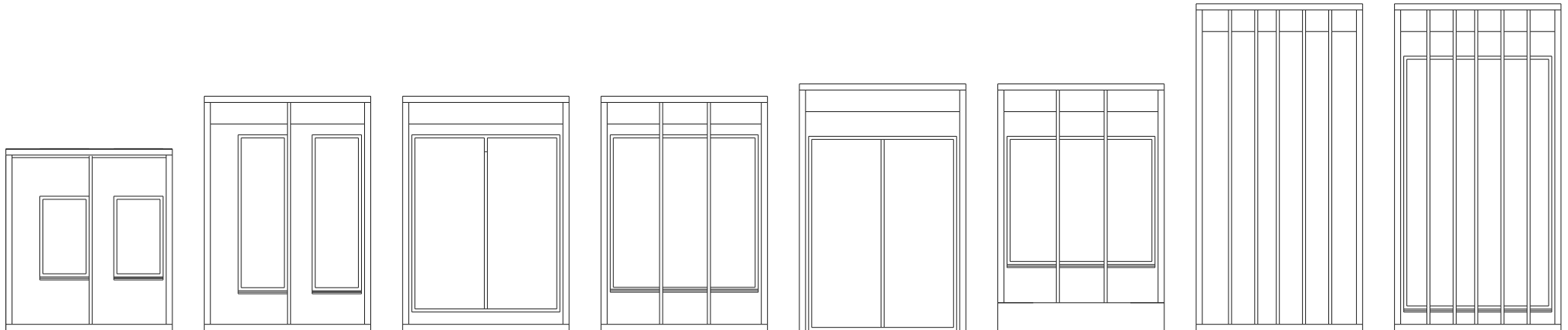
FACADE SYSTEM



Prefabricated vertical fins

implementation

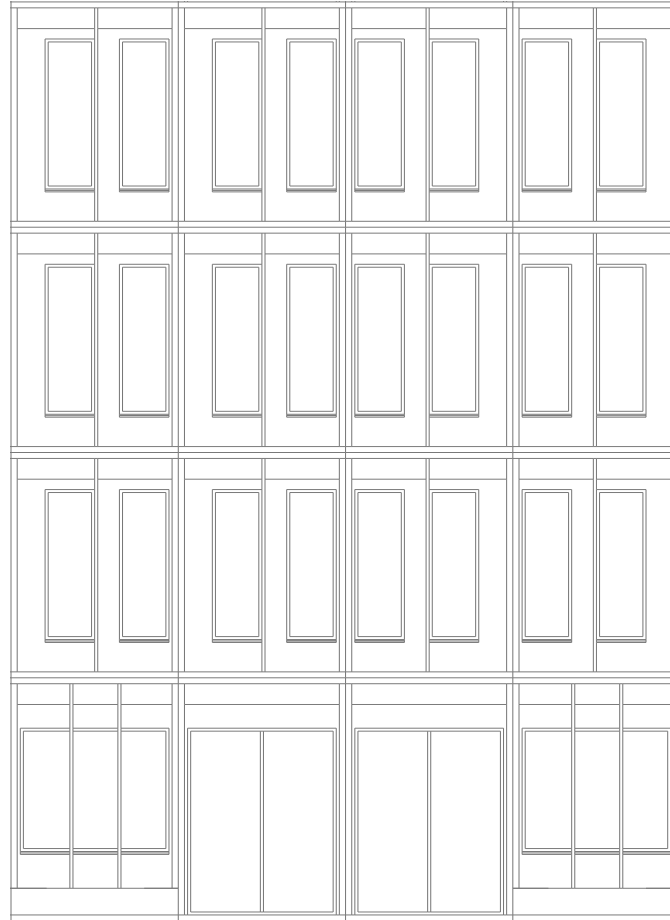
PREFABRICATED FACADE PANELS

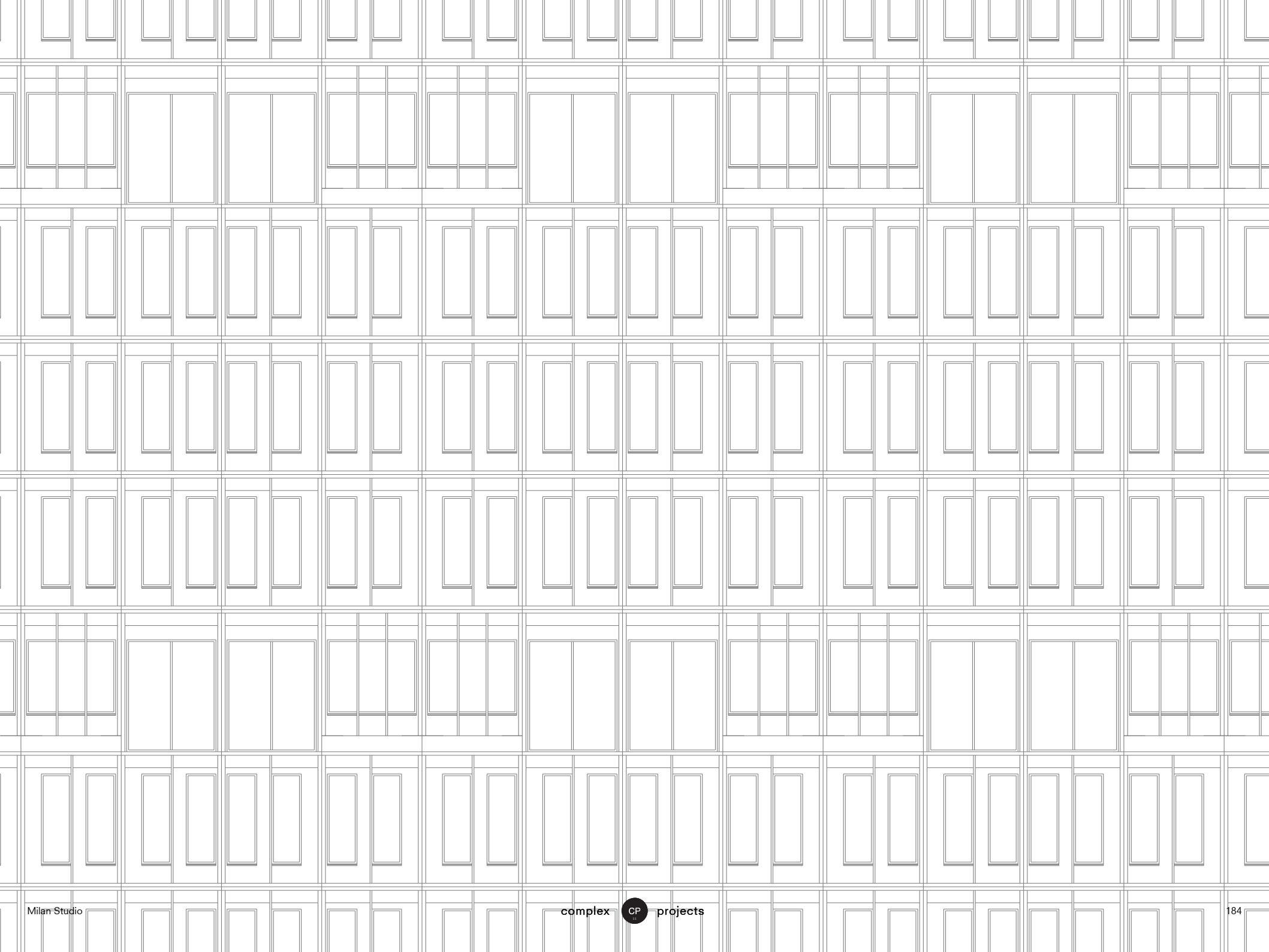


Prefabricated facade panels

implementation

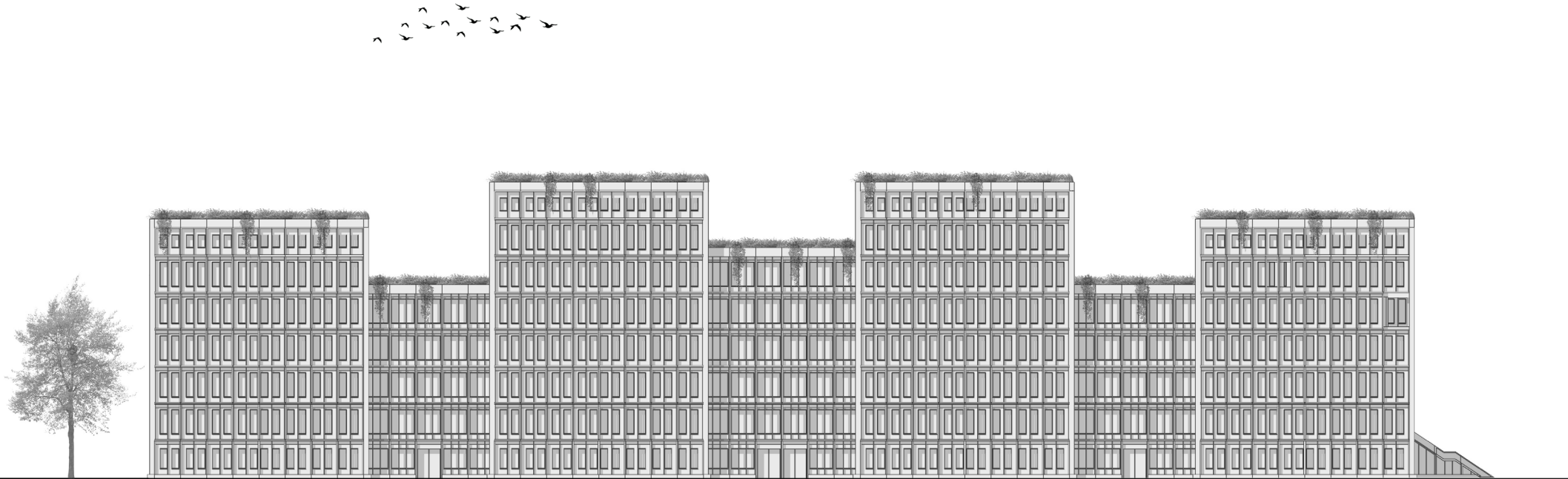
FACADE PANELS





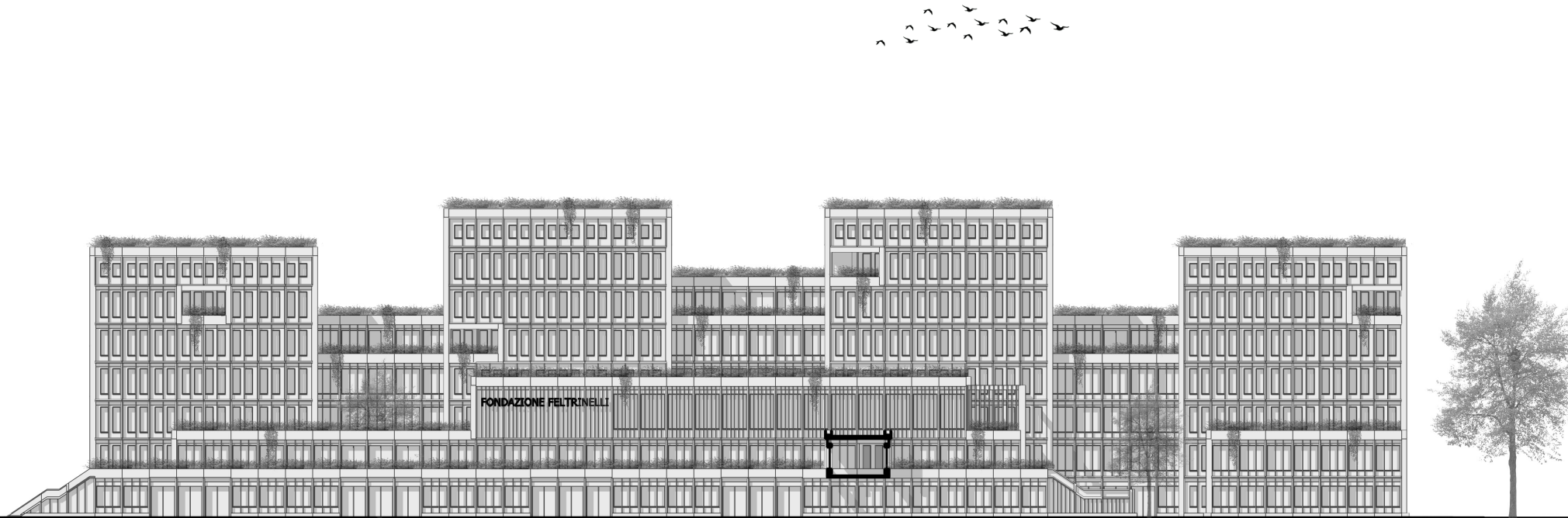
implementation

NORTH FACADE



implementation

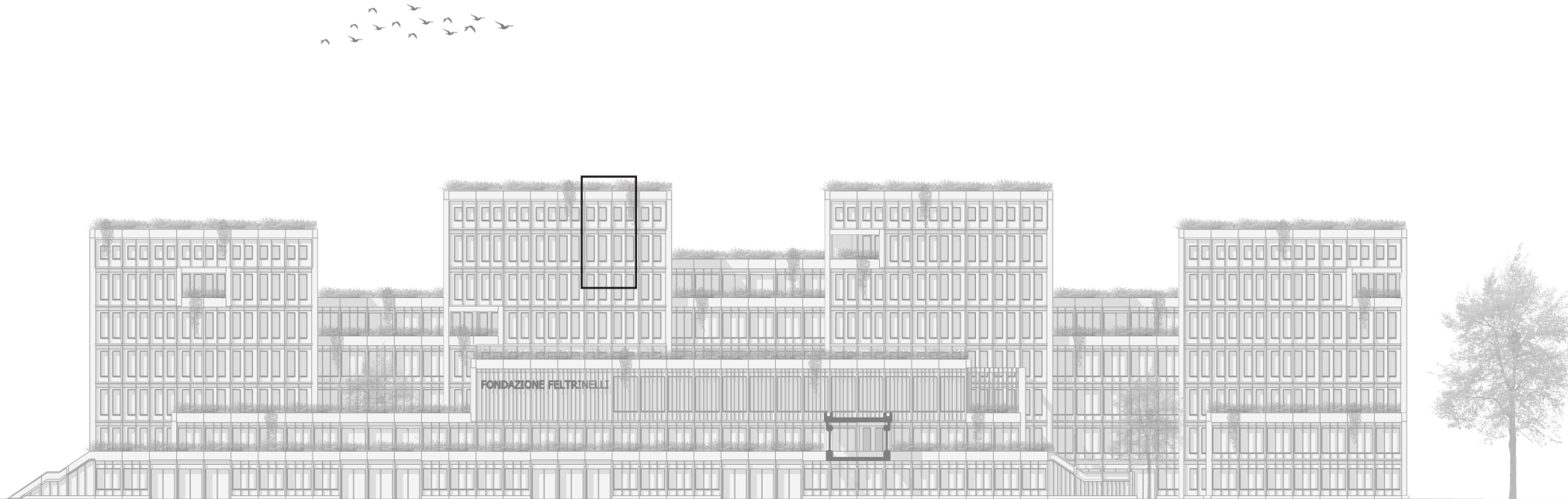
SOUTH ELEVATION





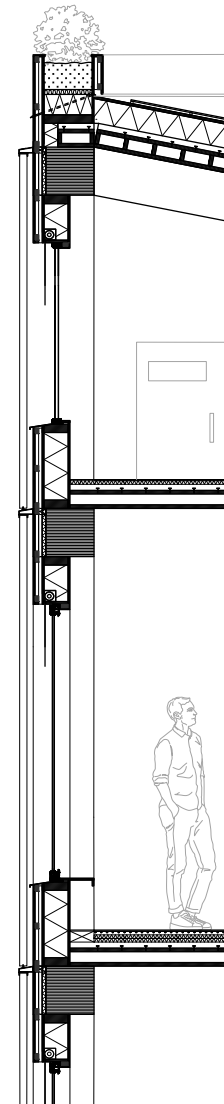
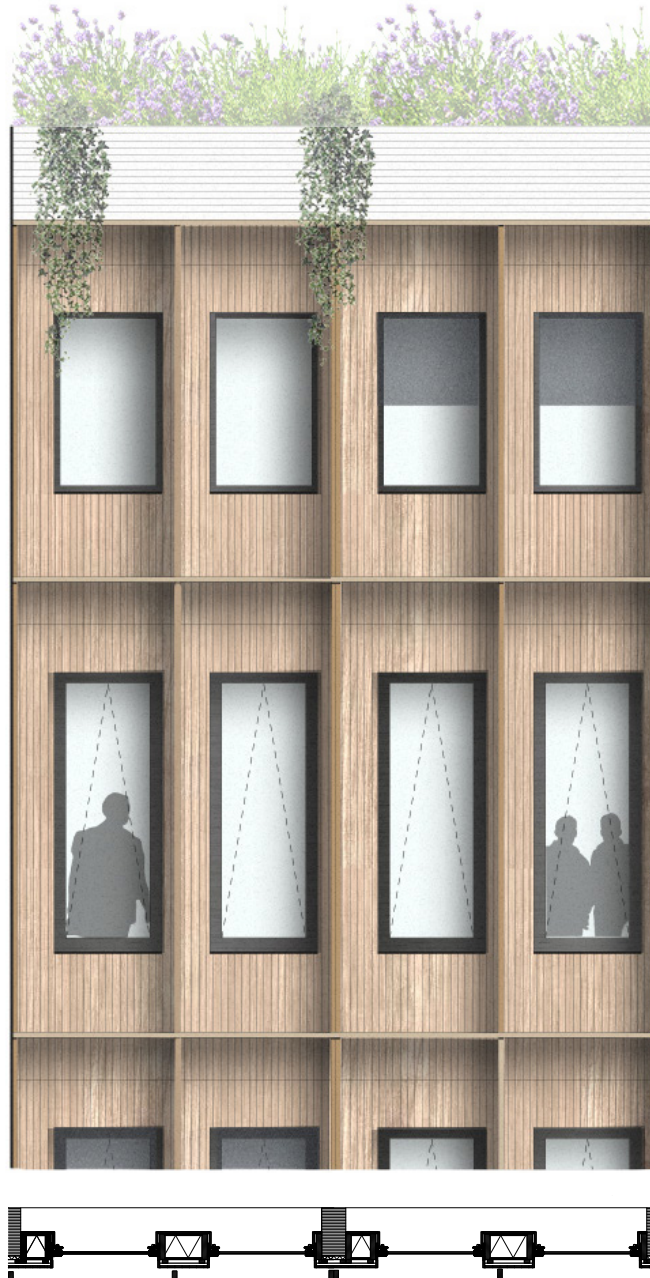
implementation

SOUTH ELEVATION



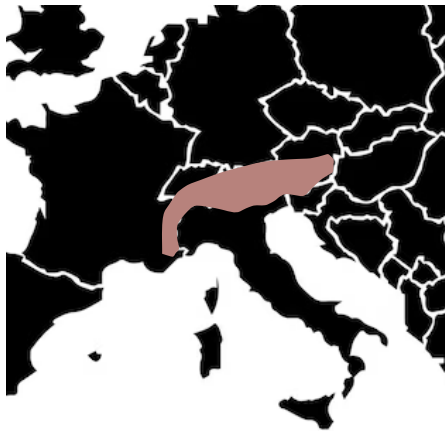
implementation

FACADE FRAGMENT 1:20



implementation

FACADE MATERIAL



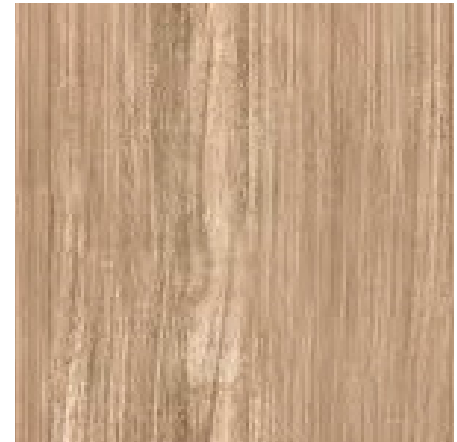
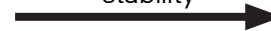
Larch wood

Locally sourced –
raw material



Normal larch wood

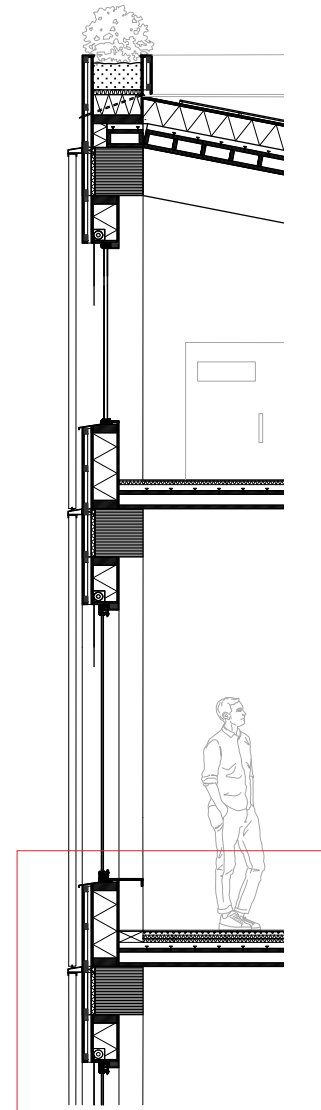
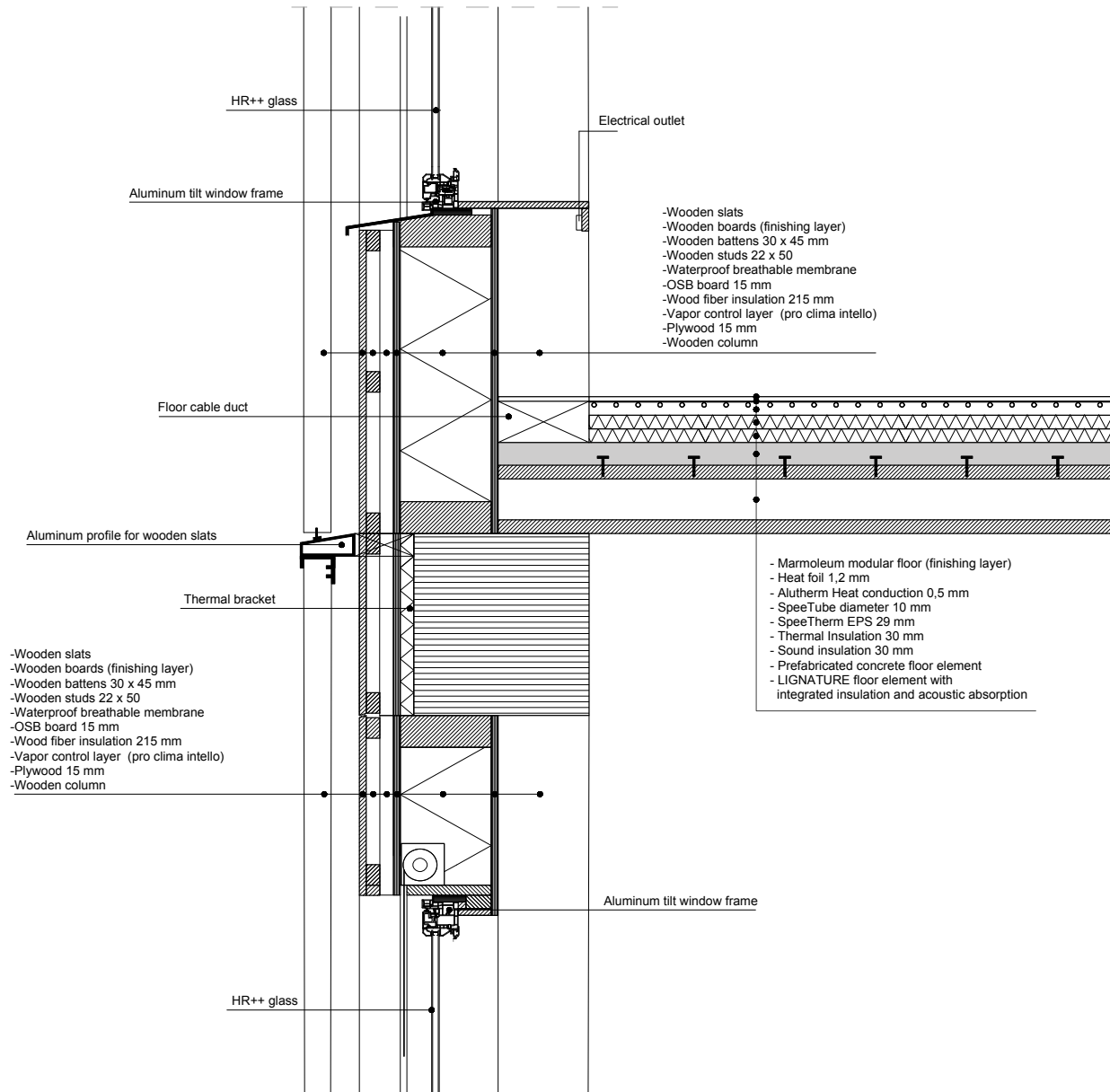
Treated for
durability, fire
safety and color
stability



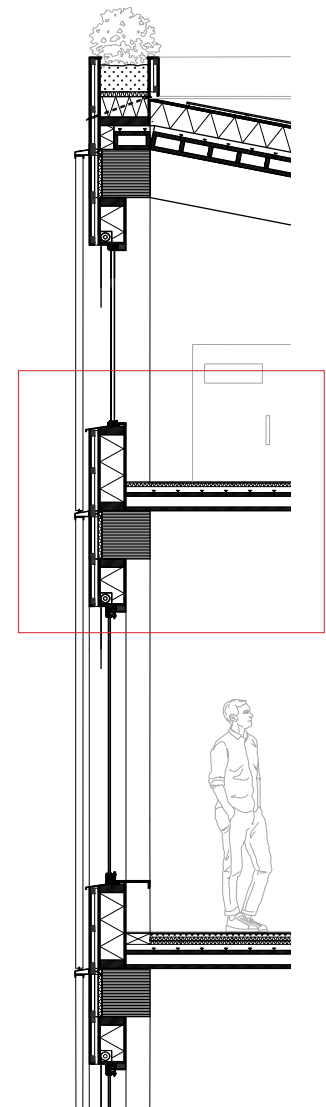
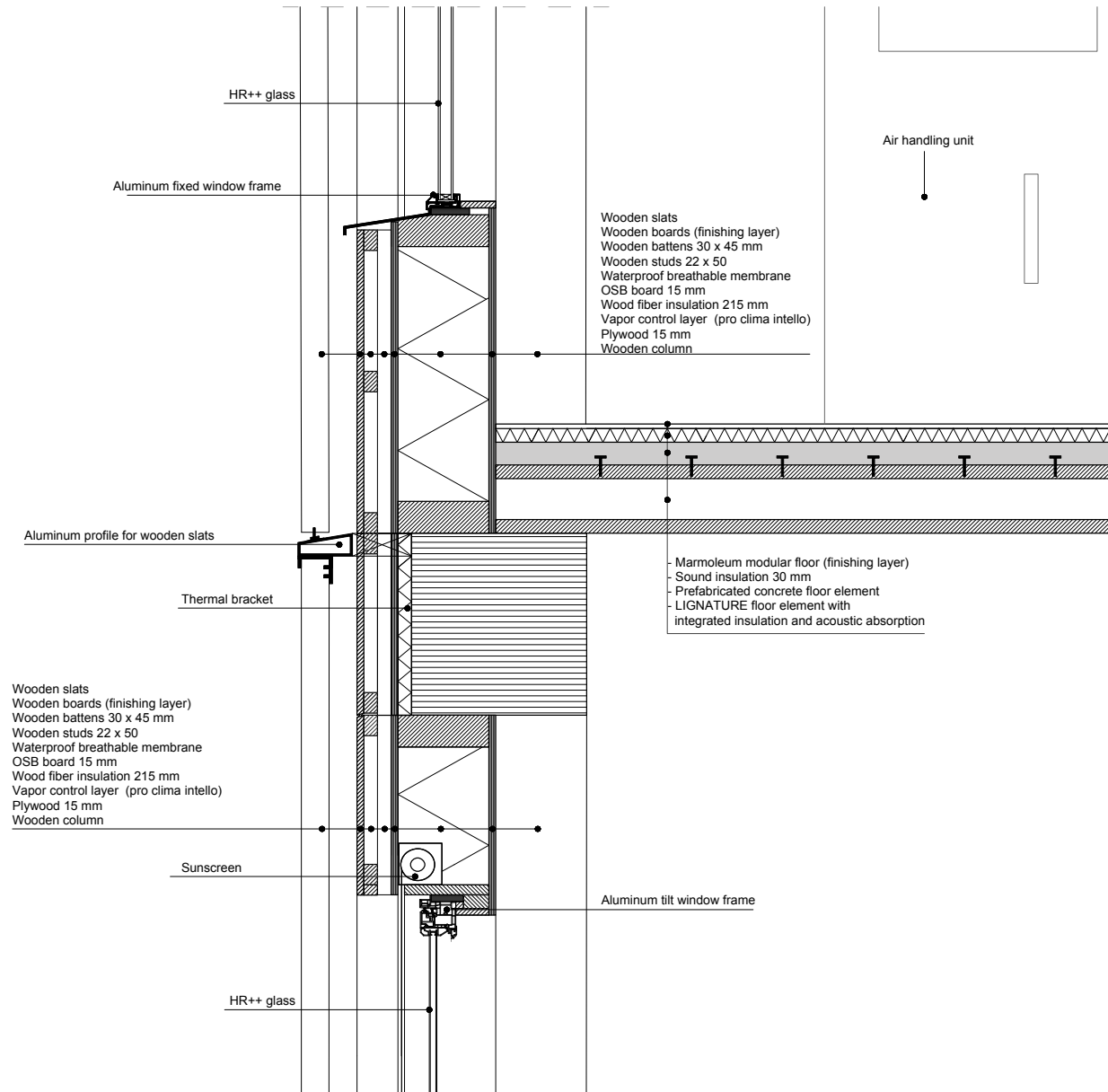
Treated larch wood

implementation

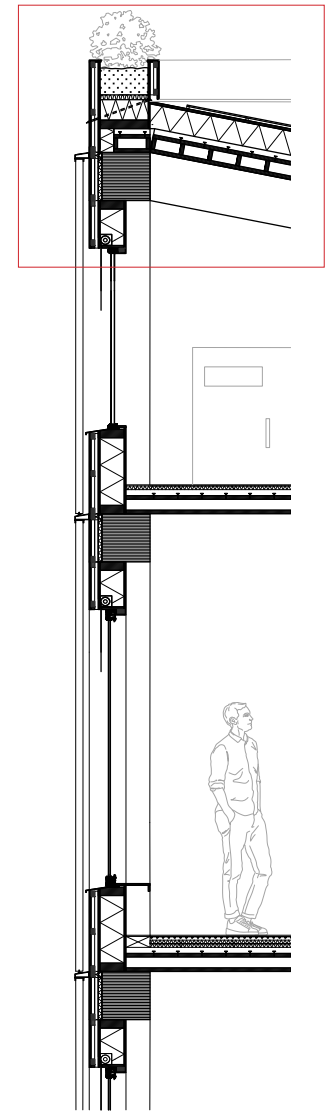
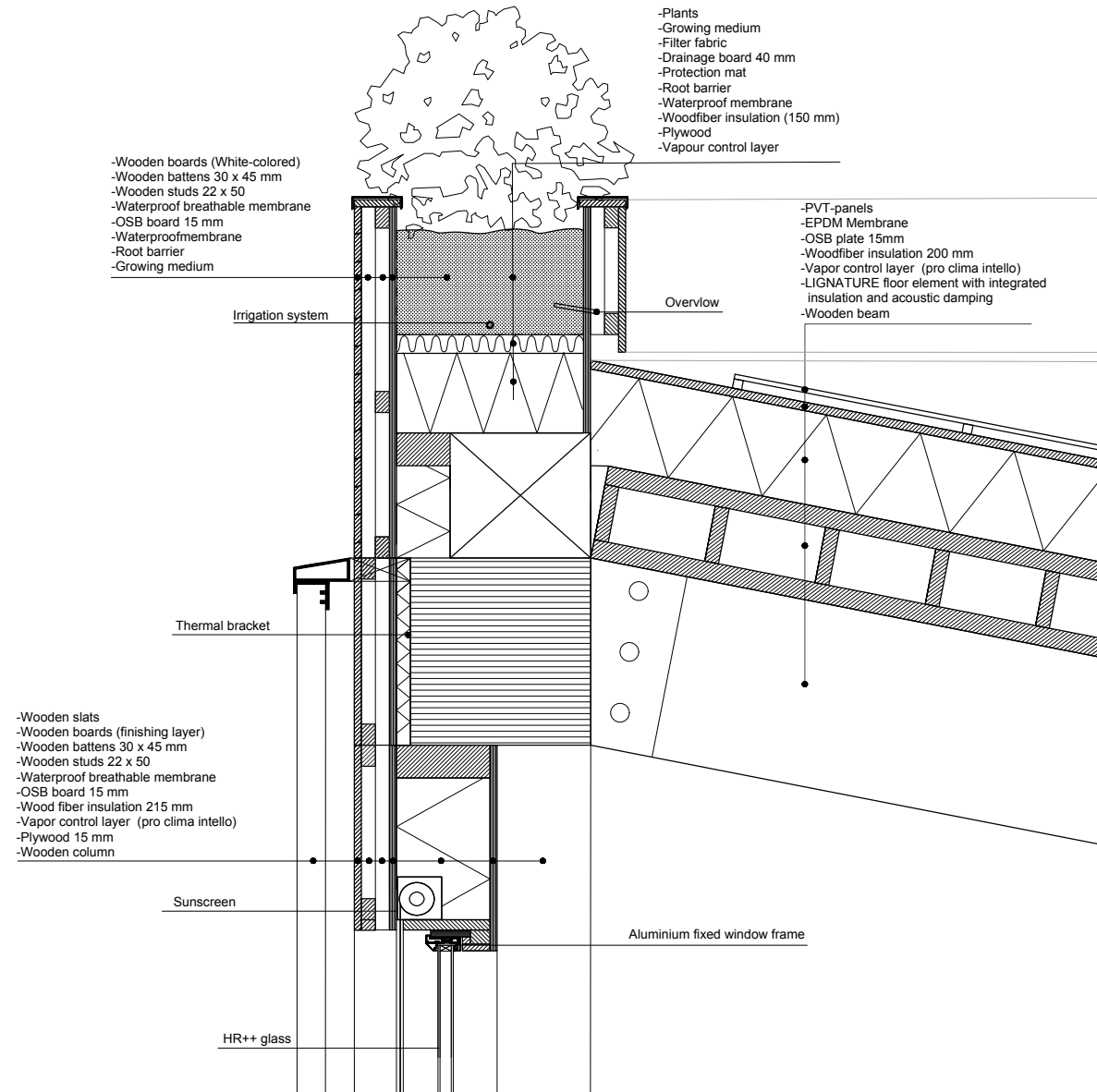
DETAIL 1



DETAIL 2



DETAIL 3



Introduction

Design brief

Volume study

Concept

Implementation

Conclusion

















Thank you!