

COMPLEX PROJECTS **PLAYING MIND GAMES**

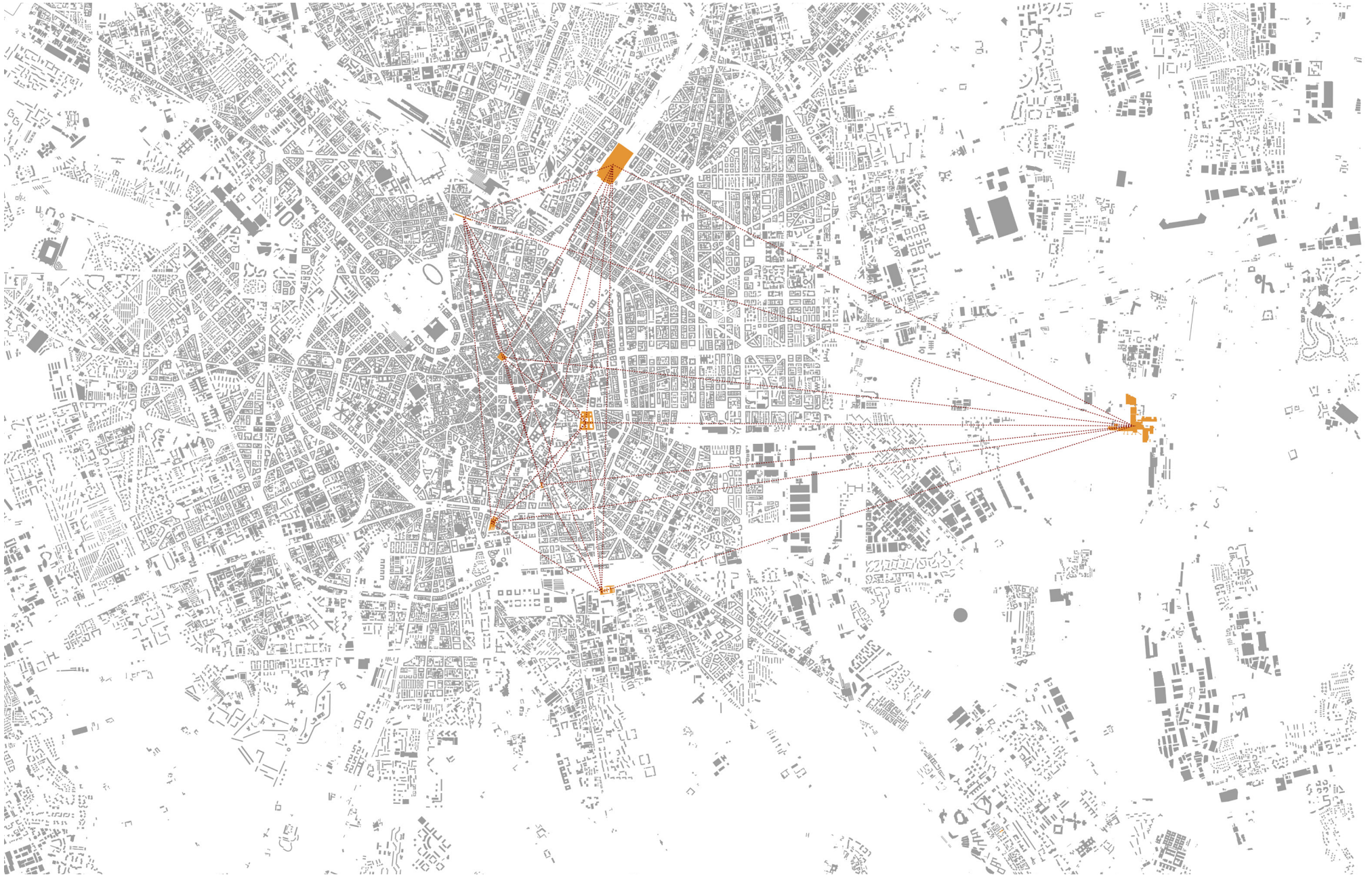
An investigation into how university design can enhance academic performance without compromising mental health

Ana-Sabina Nistor

July/02/2025



COMPLEX PROJECTS- MILAN



COMPLEX PROJECTS- MILAN

flow



train station

airport

hospital

area



court building

university

space



library

theatre

museum

INDEX

INTRODUCTION

DESIGN BRIEF

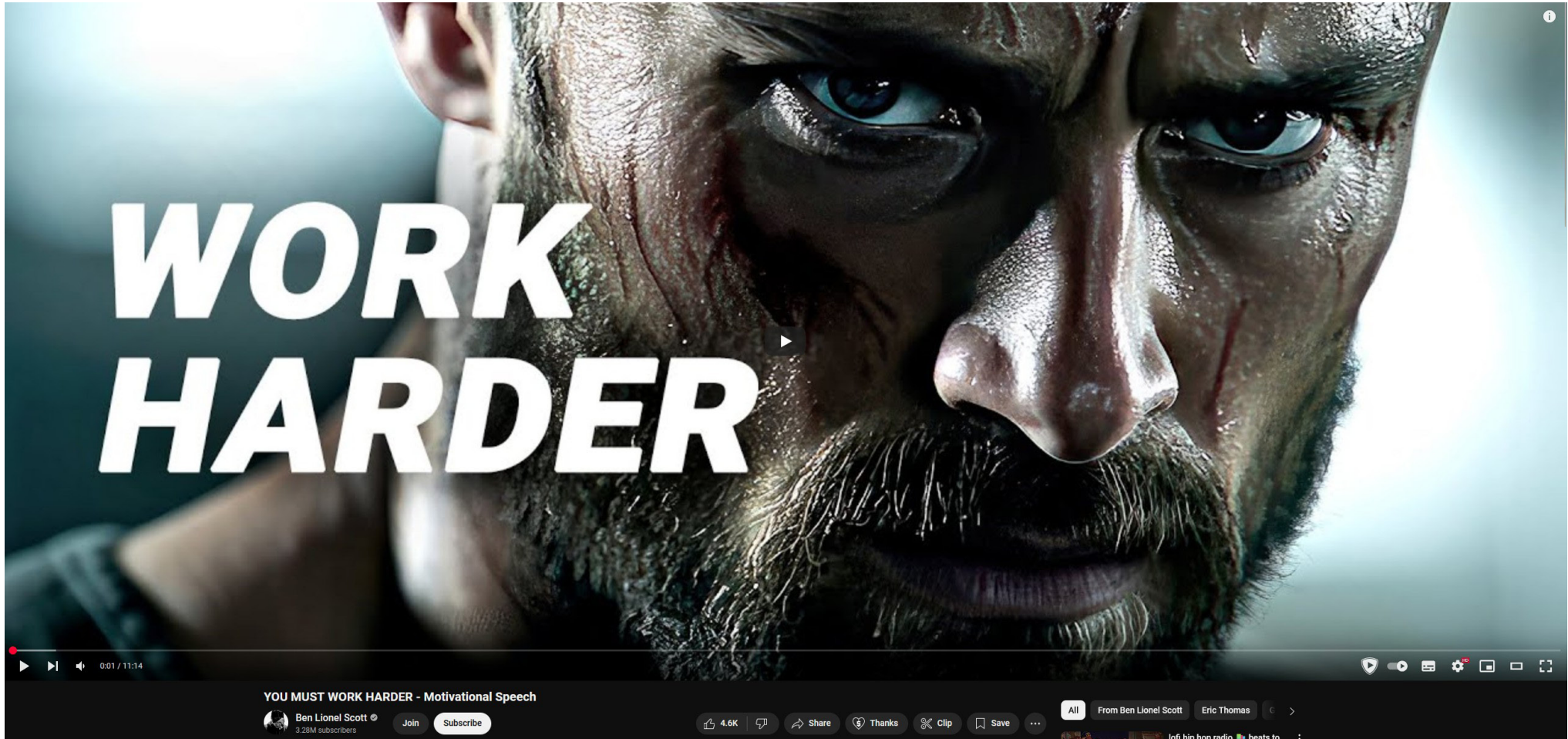
CONCEPT

DESIGN IMPLEMENTATION

CONCLUSION

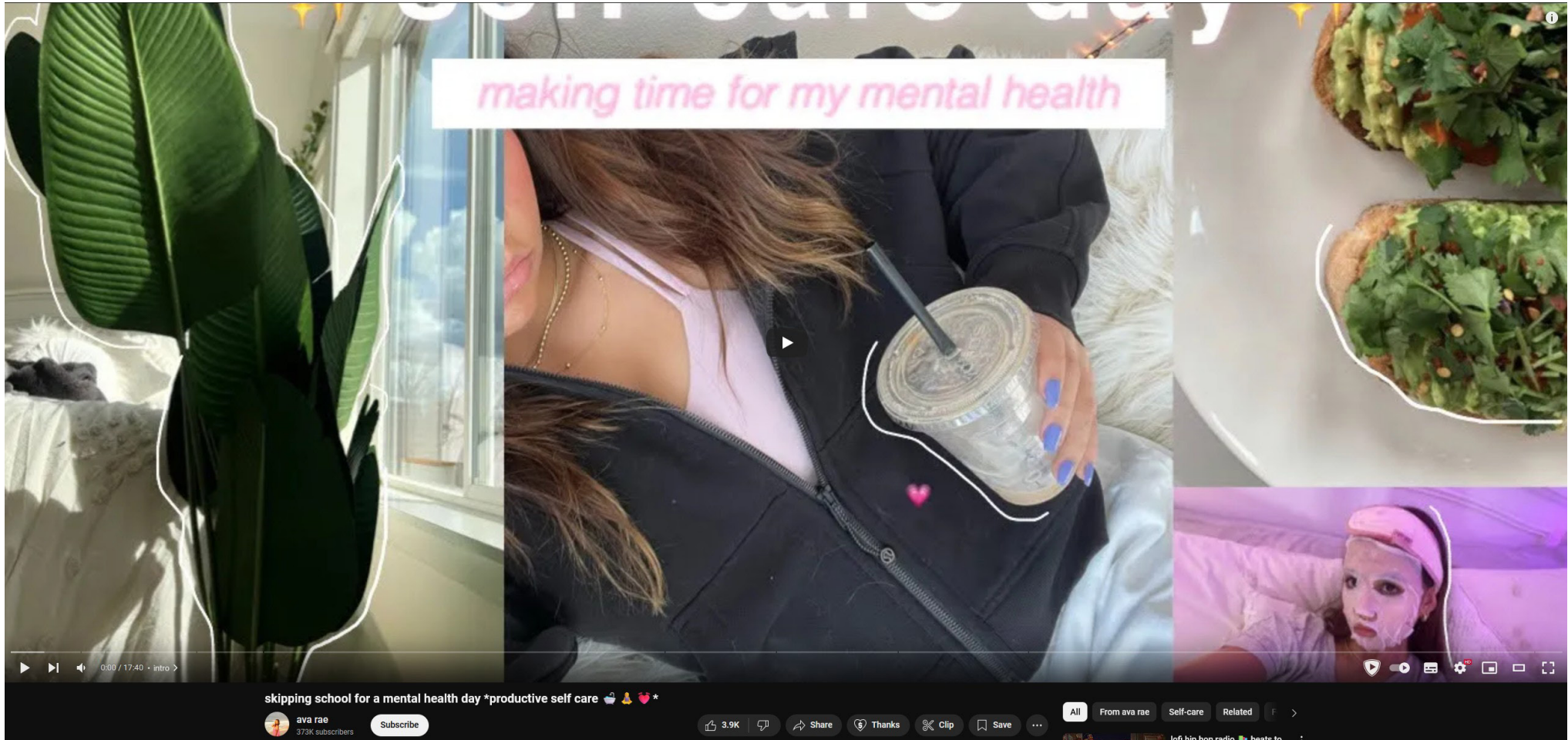
Introduction

EITHER WORK HARD



Introduction

OR TAKE A SELF CARE DAY



Introduction

SOCIETAL PENDULUM



Hustle culture

- highlights career as the most important aspect of one's life
- hyperfocused on performance
- damaging to one's mental health

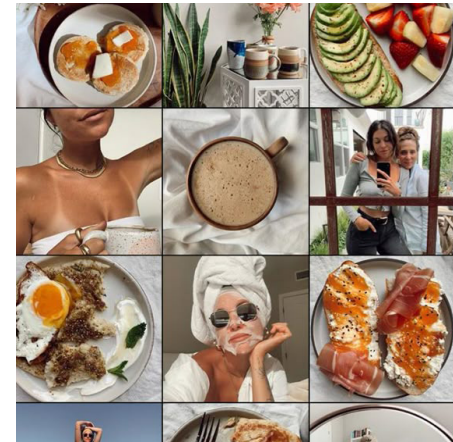
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SOCIETAL PENDULUM



Hustle culture

- highlights career as the most important aspect of one's life
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- damaging to one's mental health



Wellness culture

- prioritises mental health and living a healthy lifestyle
- hyperfocused on mental health
- damaging to one's performance

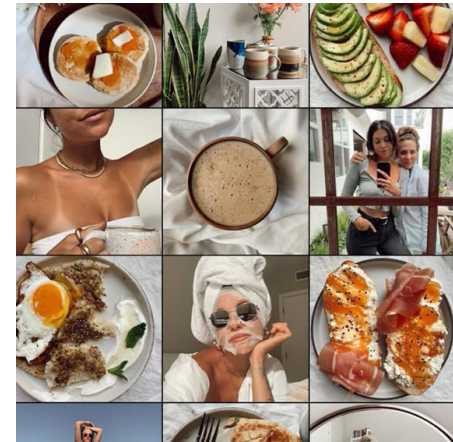
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SOCIETAL PENDULUM



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← PERFORMANCE

MENTAL HEALTH →

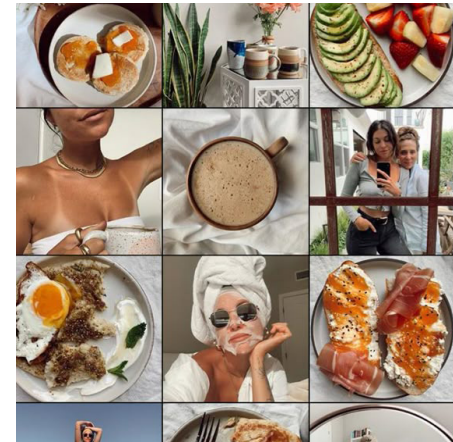
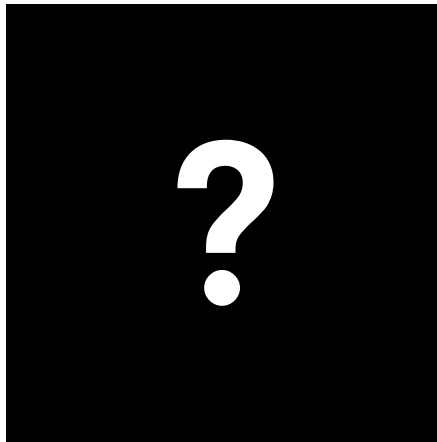
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SOCIETAL PENDULUM



Hustle culture

- highlights career as the most important aspect of one's life
- hyperfocused on performance
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Wellness culture

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- hyperfocused on mental health
- damaging to one's performance

PERFORMANCE

MENTAL HEALTH

Introduction

MILAN IS

U
NESCO

Designated as a UNESCO **Creative City of Literature** and home to Leonardo da Vinci's '**The Last Supper**' a UNESCO World Heritage site.

E
conomy

Financial hub of Italy, home to the **Borsa Italiana** and major international businesses driving international trade and business.

F
ashion

One of the '**Big Four**' fashion capitals, hosting the prestigious Milan Fashion Week influencing the style and culture of people worldwide.

A
rt
rchitecture

Features iconic landmarks such as the **Duomo di Milano** and has a rich artistic heritage with works like '**The Last Supper**' and modern art.

D
esign

Global design capital, known for the annual **Salone del Mobile**, a leading furniture and design fair, making it a global hub for creativity.

S
ports

Hosts both football clubs **AC Milan** and **Inter Milan** uniting people worldwide, and is a key venue for the **2026 Winter Olympics**.

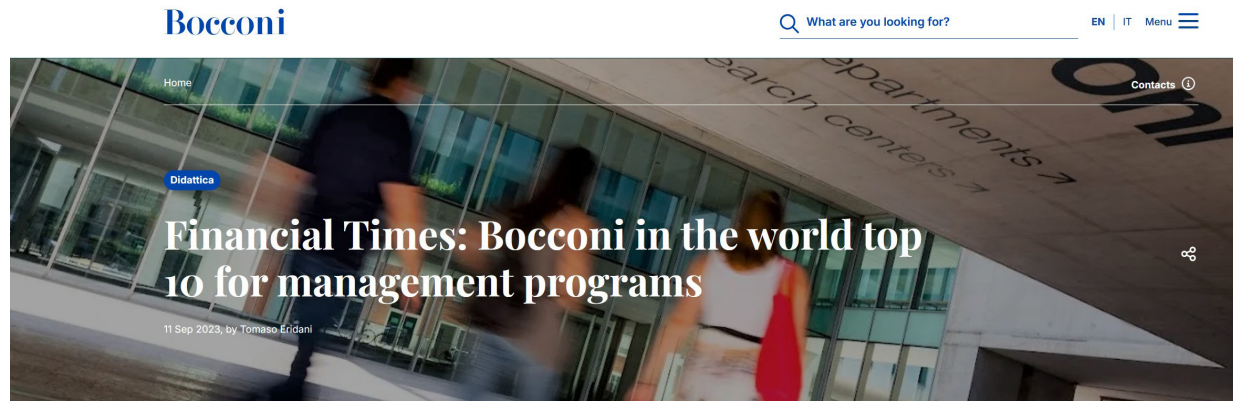
Introduction

MILAN IS

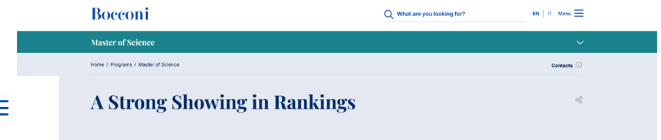
MILAN IS A CITY OF PERFORMANCE

Introduction

UNIVERSITY RANKING



The Master in International Management climbs 12 positions to 8th place in the FT's 2023 ranking of the world's best programs. Bocconi first in the world for sustainability goals of its campus

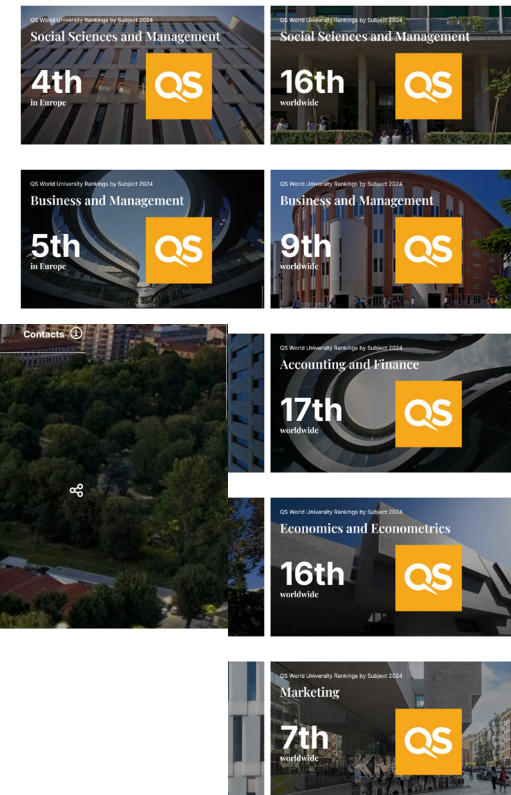


A Top 5 European University
Bocconi is an institution with a long tradition as a qualified teaching and research university, as demonstrated by improving placements in top international rankings.

Financial Times Rankings



QS World University Rankings by Subject 2024



The program takes the podium in the Financial Times ranking. Return on investment, attention to sustainability and quality of teaching are the factors behind this uptick

DEFINITIONS

academic performance

/ə'kædəmɪk pər'fɔ:rməns/

noun

1. The level of success and accomplishments attained by students in their educational pursuits. It encompasses a range of outcomes, including grades, test scores, academic awards, completion of coursework, and participation in extracurricular activities.

UNIVERSITIES ENHANCING PERFORMANCE



PROBLEM STATEMENT

In study made on students in Italy in 2020 by Porru et al.

“78.5% of the respondents experienced psychological distress, of which 21.3% mild, 21.1% moderate, and 36.1% severe levels.”

(Porru et al., 2020, p. 955)



DEFINITIONS

academic performance

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noun

1. The level of success and accomplishments attained by students in their educational pursuits. It encompasses a range of outcomes, including grades, test scores, academic awards, completion of coursework, and participation in extracurricular activities.

sustainable academic performance

/sə'steɪnəbl ə'kædəmɪk pər'fɔ:rməns/

noun

1. A consistent level of academic performance that can be maintained over time without compromising mental health or well-being, allowing for a healthy balance between educational pursuits and personal life.

**HOW CAN THE DESIGN OF THE FUTURE ECONOMICS
UNIVERSITY BUILDING ENHANCE SUSTAINABLE
ACADEMIC PERFORMANCE?**

Introduction

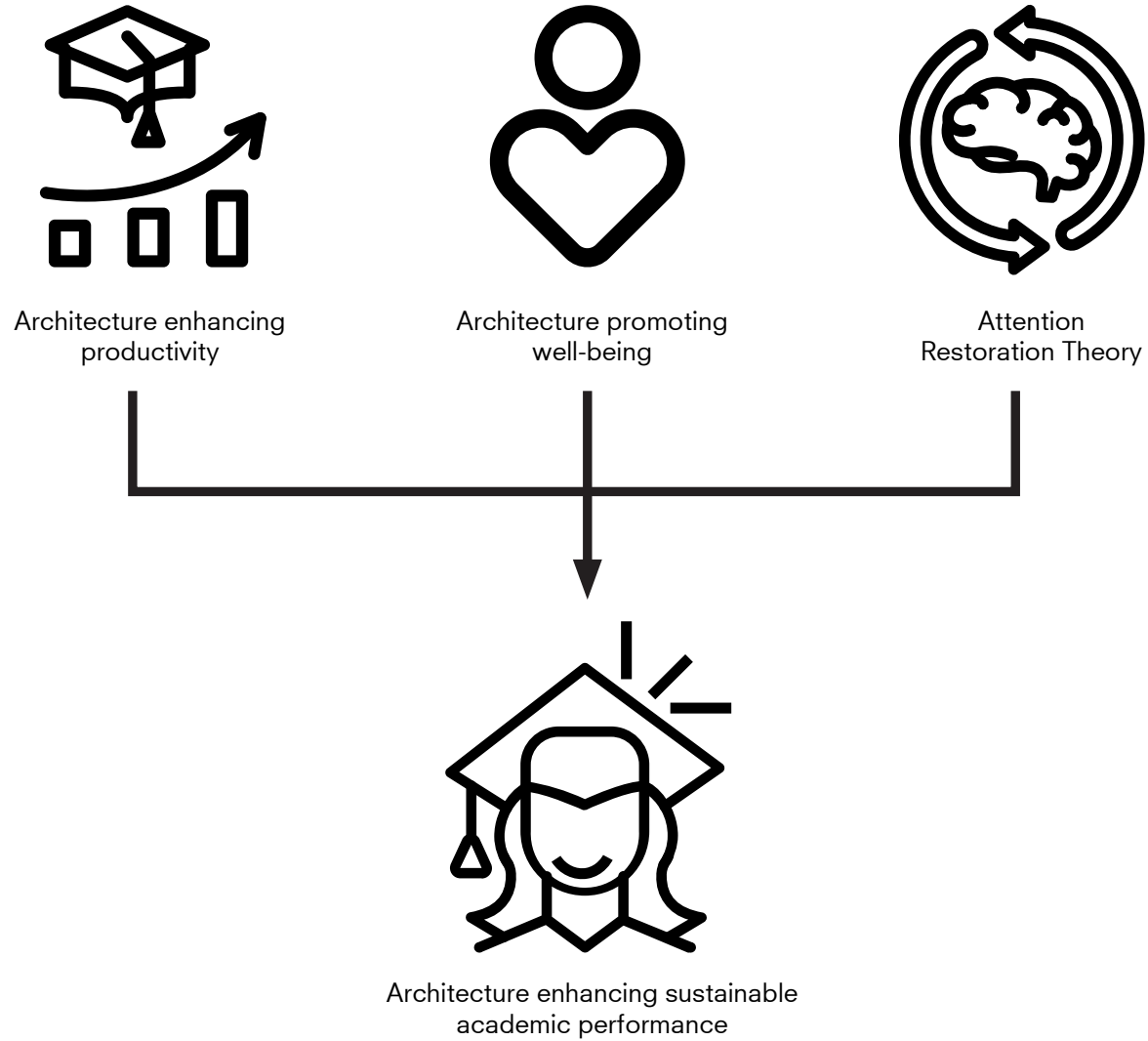
AMBITION COLLAGE



Creating a learning oasis in a burning Milan

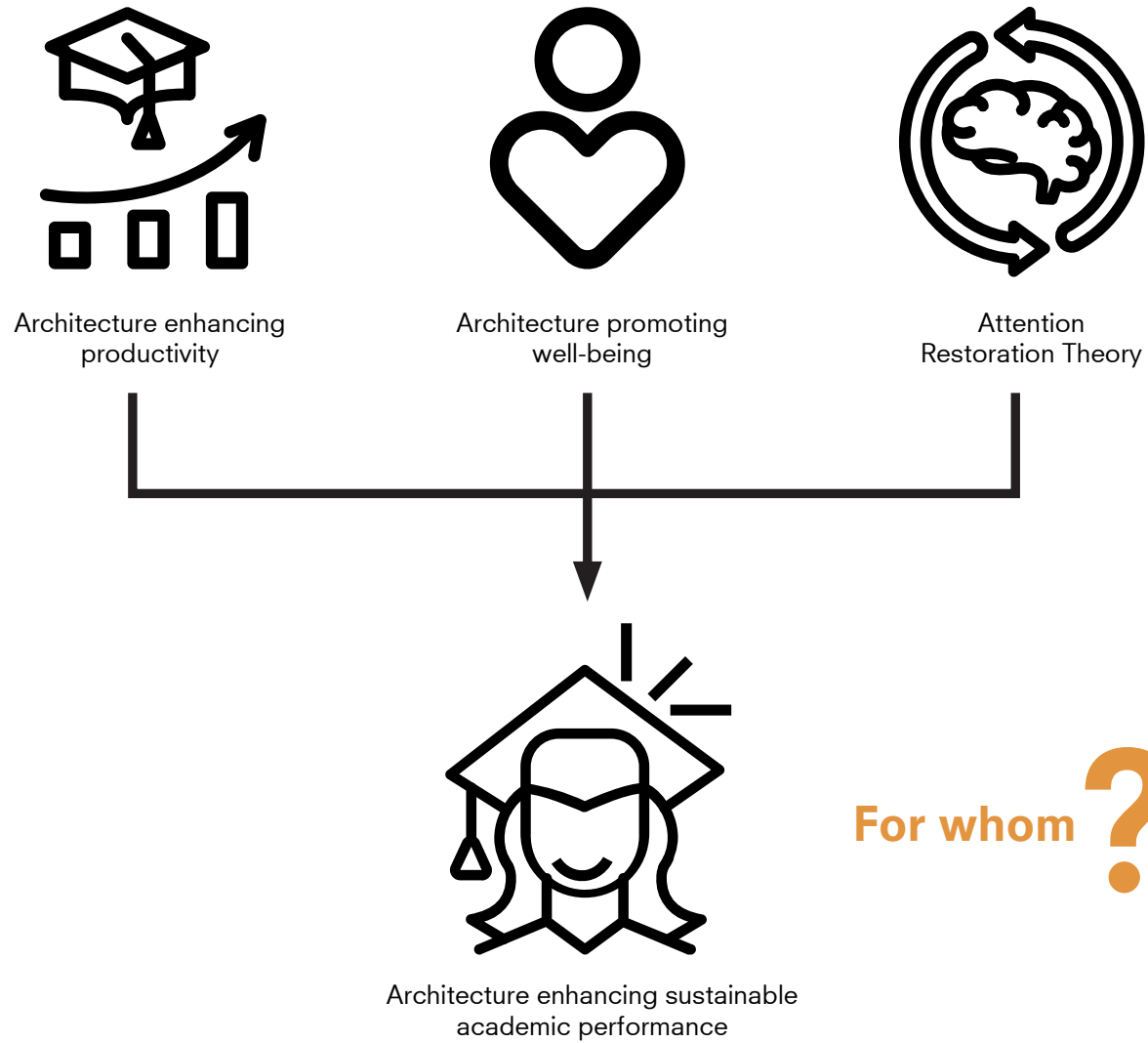
Introduction

APPROACH

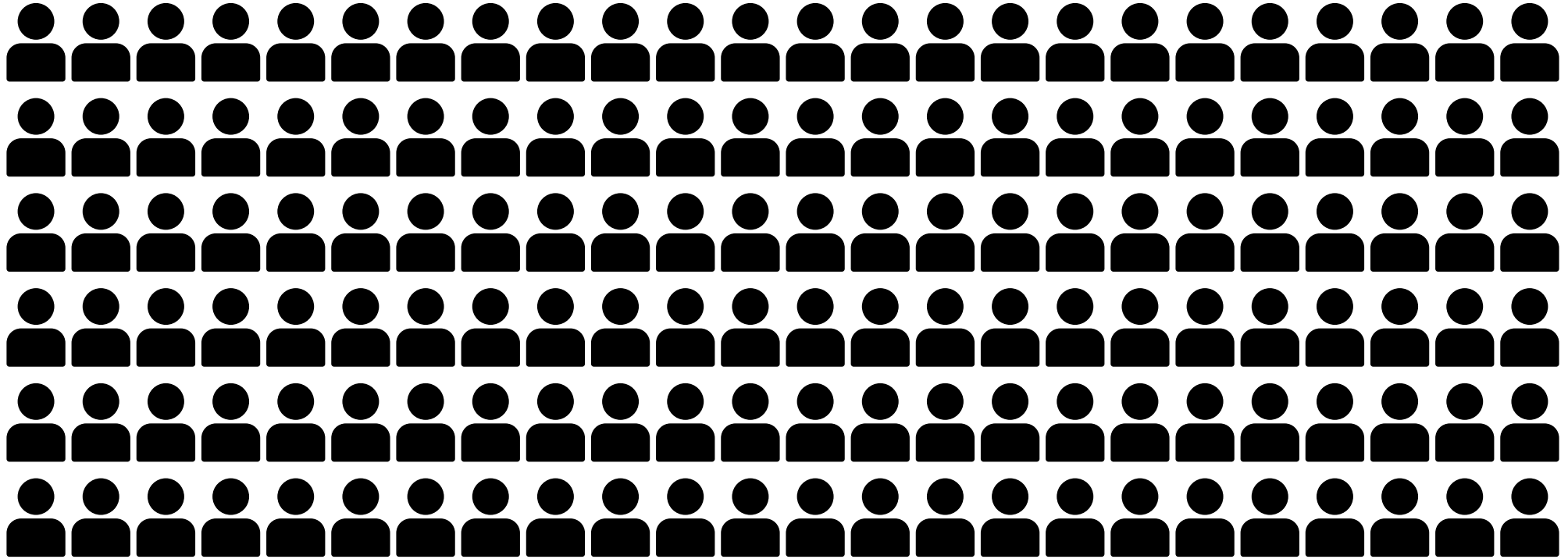


Introduction

APPROACH

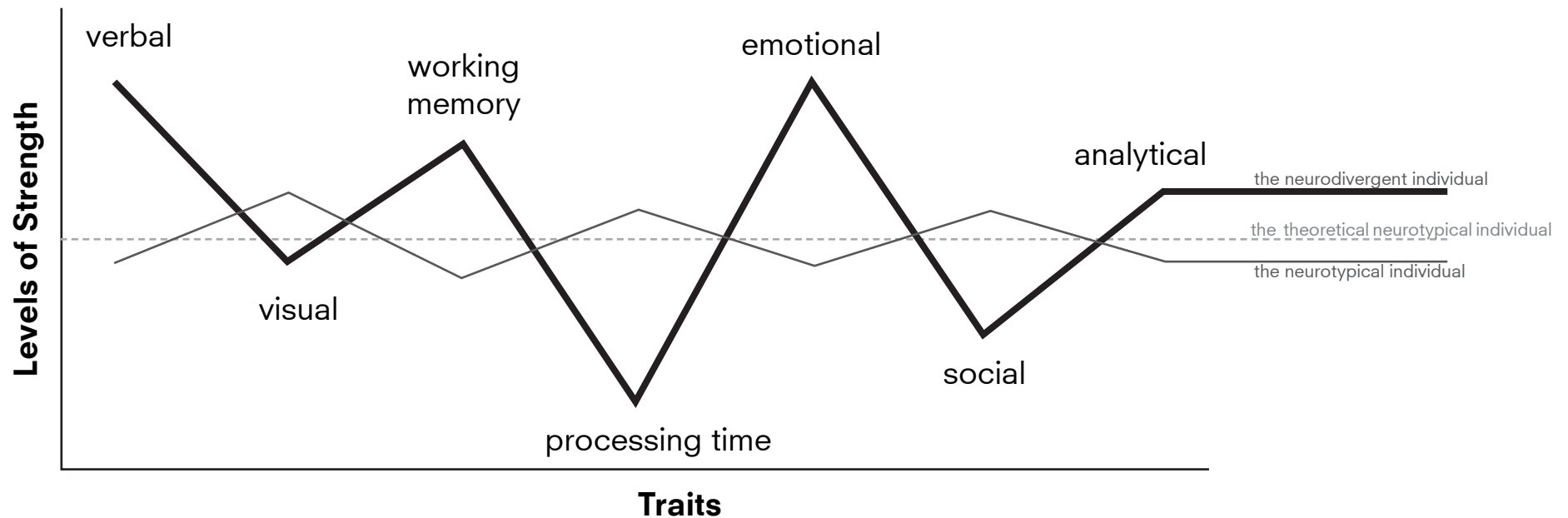


CURRENT APPROACH



Learning Space

ACADEMIC PERFORMANCE AND NEURODIVERSITY



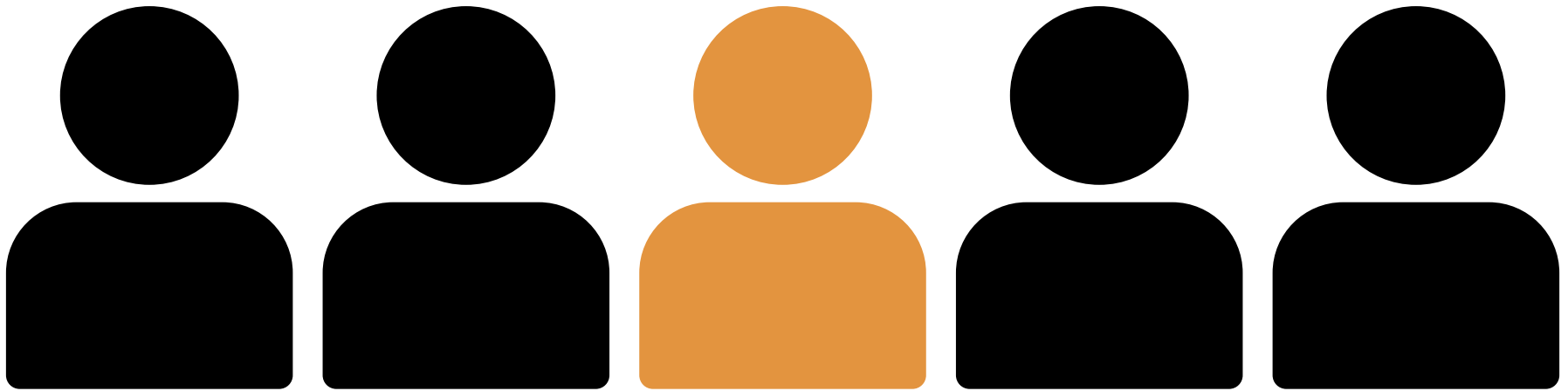
A common visual representation of neurodiversity (e.g., Doyle et al., 2020)

ACADEMIC PERFORMANCE AND NEURODIVERSITY

“Neurotypical refers to the majority of the human population that exhibits common, typical neuronal phenotypes that fall close to the mean of the Gaussian.
Neurodivergent refers to a minority of the population that express statistically less common (atypical) neuronal and cognitive phenotypes that fall at the tails of the Gaussian distribution”

(Goldberg, 2023, p. 974)

ACADEMIC PERFORMANCE AND NEURODIVERSITY



Around 20% of the population is neurodivergent

ACADEMIC PERFORMANCE AND NEURODIVERSITY



**But one does not have to be neurodivergent to have
different abilities and needs**

APPROACH



Learning Space

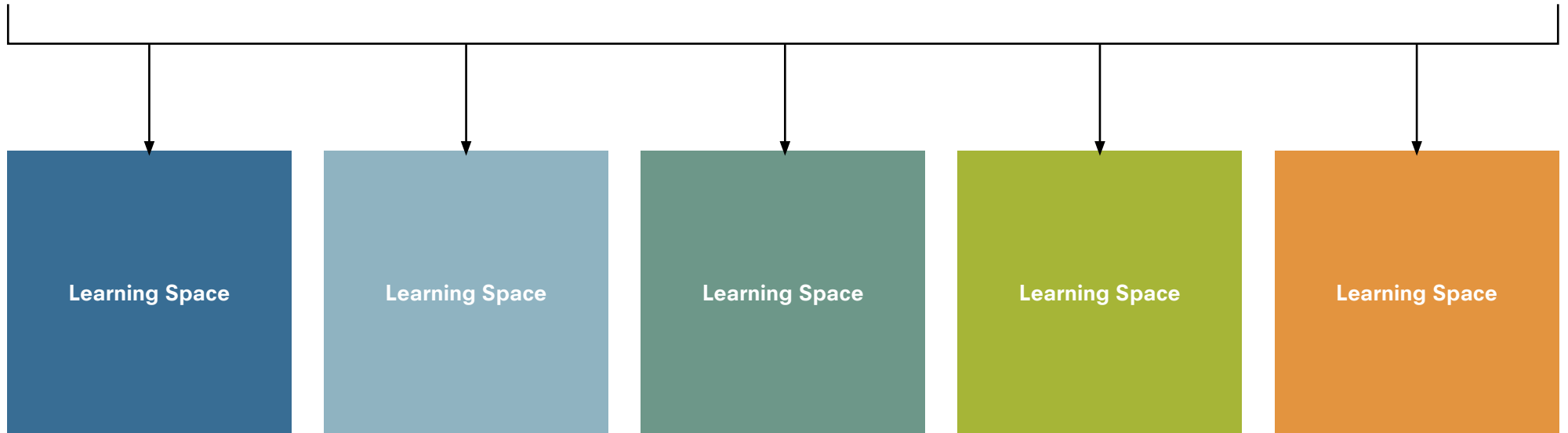
Introduction

TOPIC COLLAGE



“When a flower doesn’t bloom, you fix the environment in which it grows, not the flower.”
Alexander Den Heijer

PROPOSED APPROACH



SUB QUESTION

**TO WHAT EXTENT CAN LEARNING SPACES BE
INDIVIDUALIZED TO MEET THE DIVERSE NEEDS
OF USERS WHILE MAINTAINING PROGRAMMATIC
EFFICIENCY?**

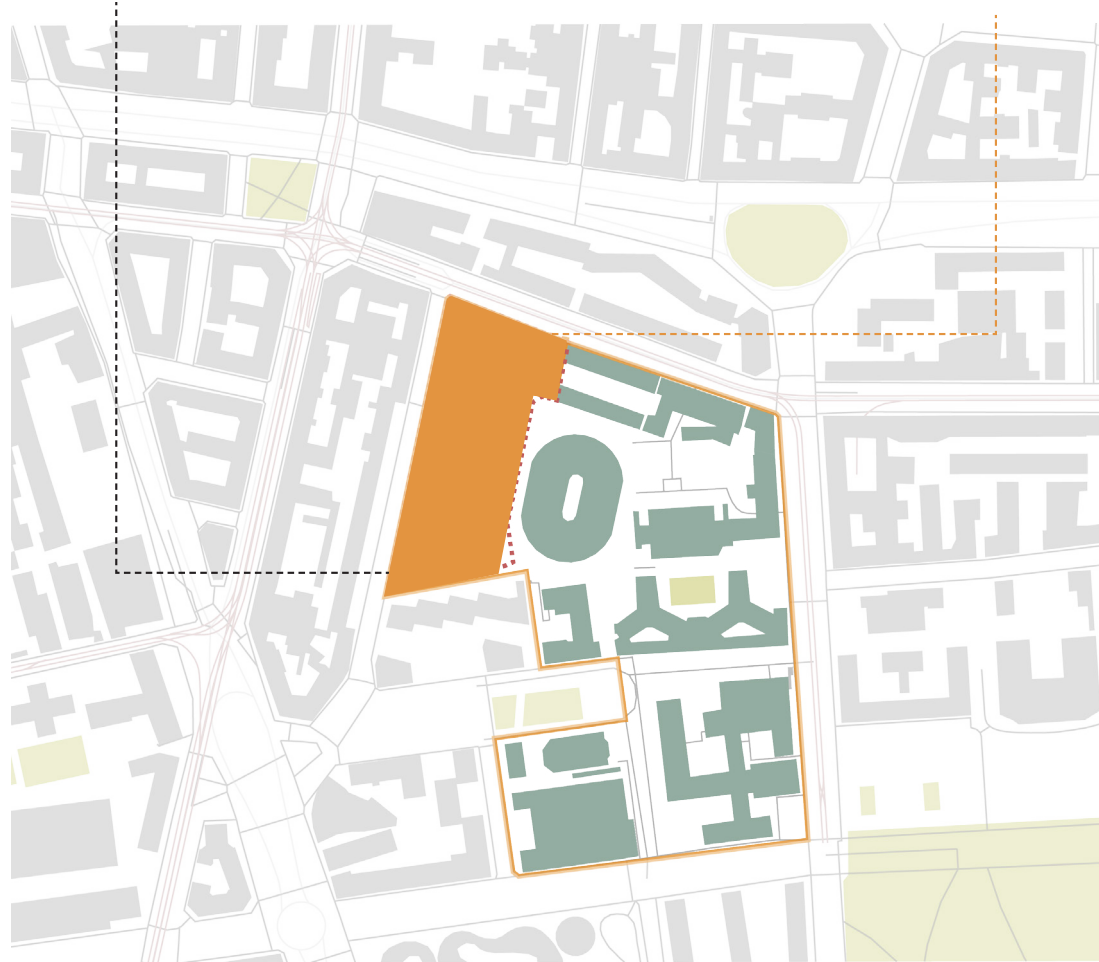
UNIVERSITY LANDSCAPE IN MILAN



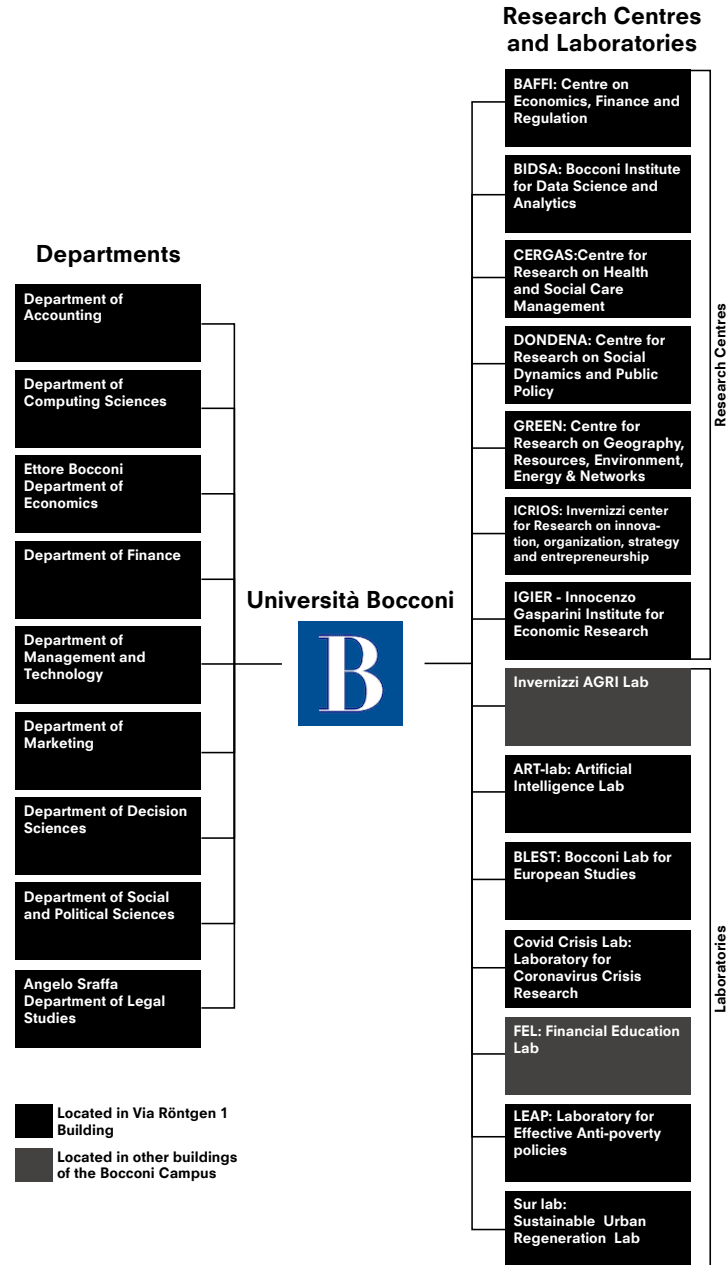
BOCCONI UNIVERSITY OVERVIEW

Università Bocconi Campus
15.000 Students
1.700 Staff

Client: Università Luigi Bocconi, Nicolo Di Blasi
Plot Area: 12.000 m²
School of Economics



BOCCONI VIA ROENTGEN BUILDING



EXISTING PROGRAMME

Staff

Students

Public

9 Departments

Individual per department

Office
Coffee Spaces
Break Area
Meeting Rooms
Server Rooms

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

7 Research Centres

Individual per research centre

Office
Coffee Spaces
Break Area
Meeting Rooms
Server/Database Rooms
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

7 Laboratories

Individual per laboratory

Office
Coffee Spaces
Break Area
Meeting Rooms
Laboratories
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

Lecture Halls
Cafeteria
Toilets

Info Point
Commercial Units
Foyer
Exhibition Space
Aula Magna

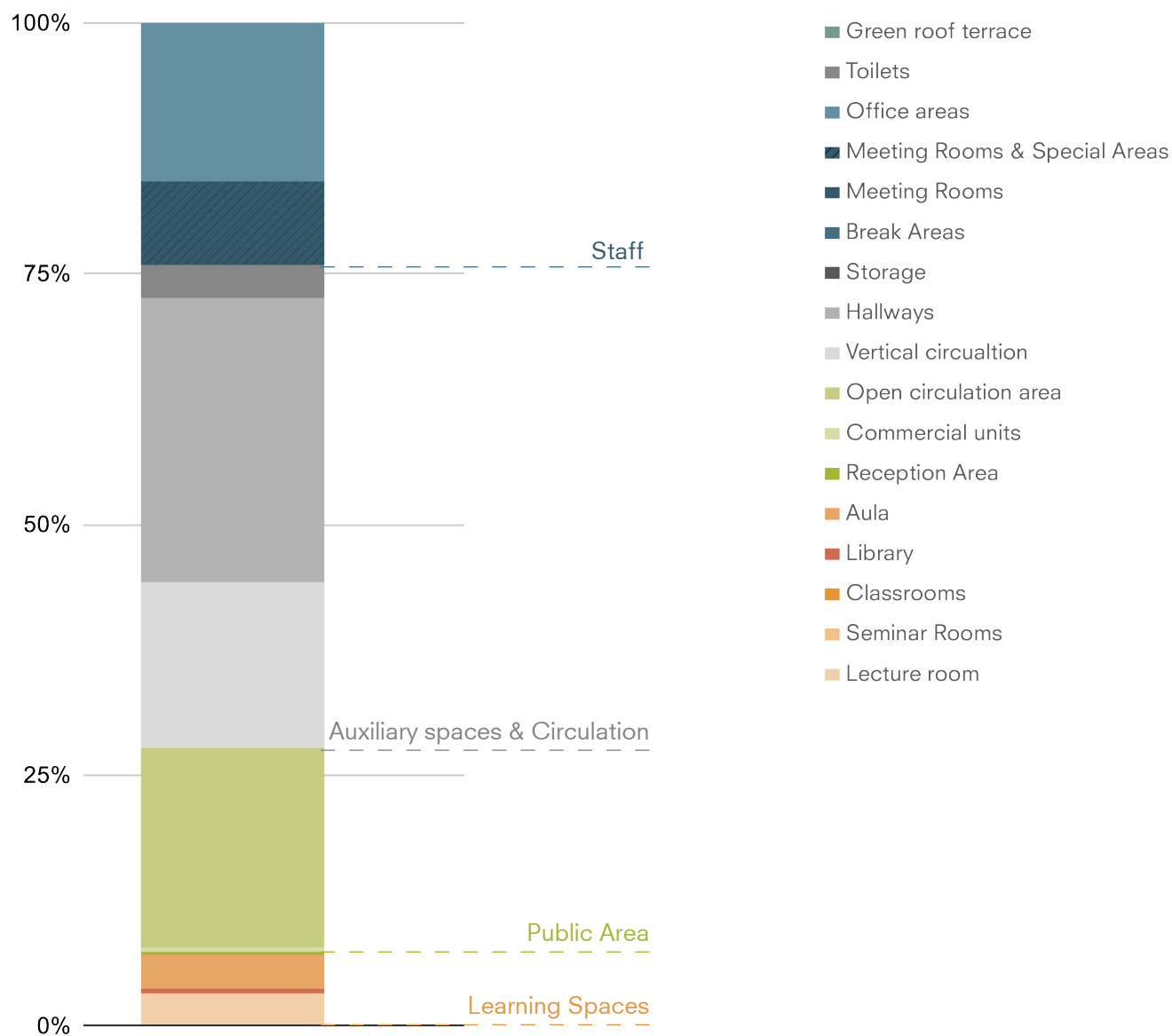
Bike Parking
Car Parking

Medical Centre
Community Kitchen

Library
Circulation Spaces

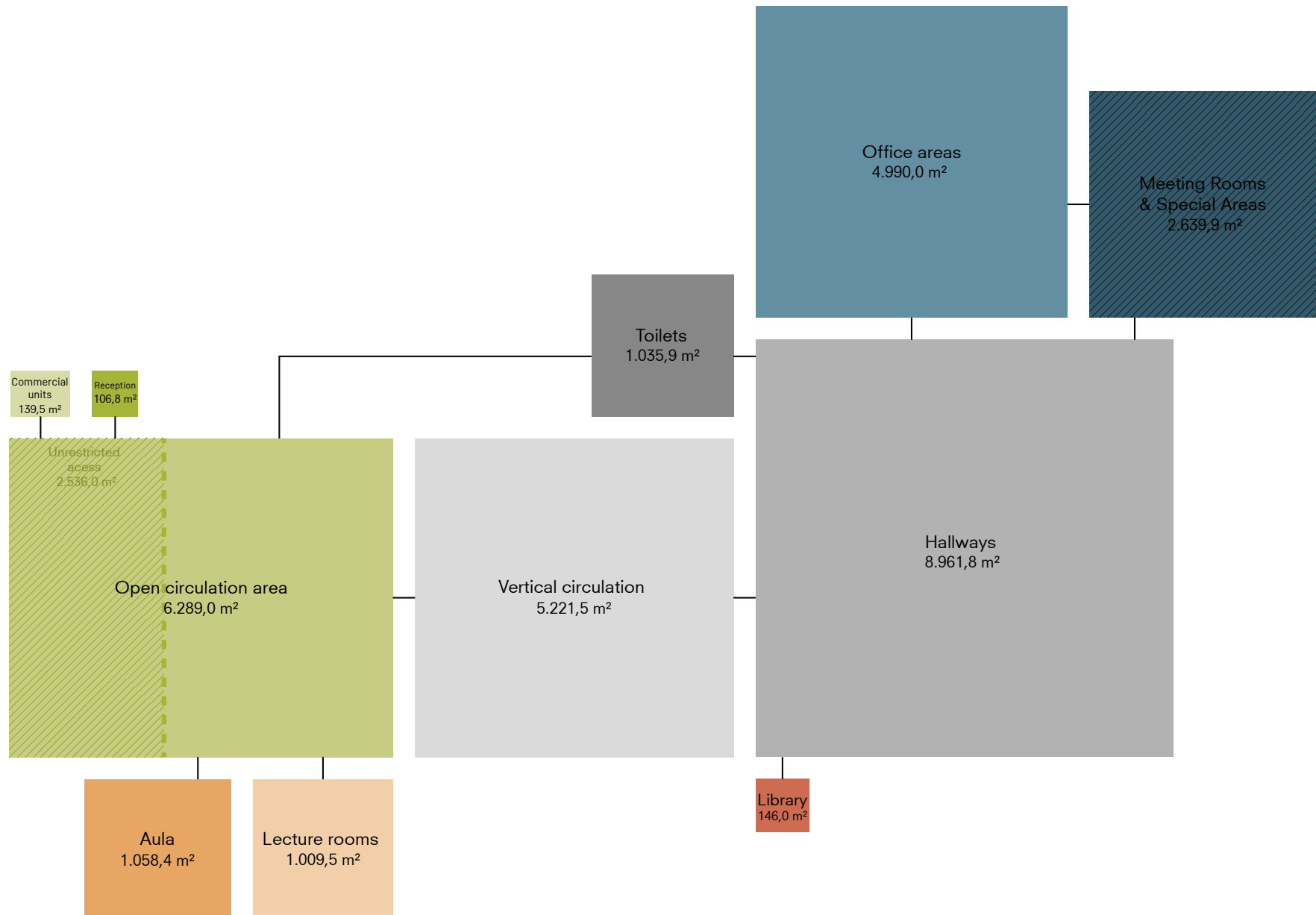
Introduction

EXISTING PROGRAMME



Introduction

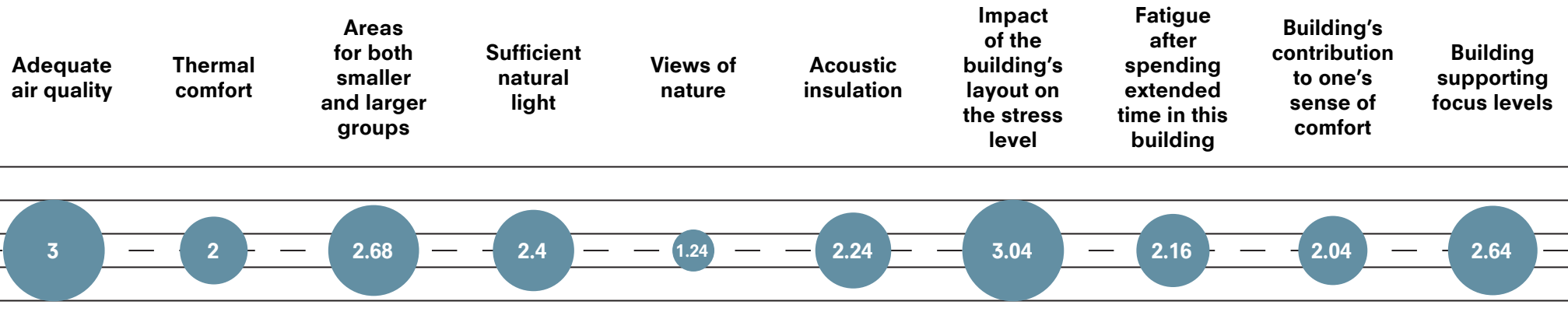
EXISTING PROGRAMME



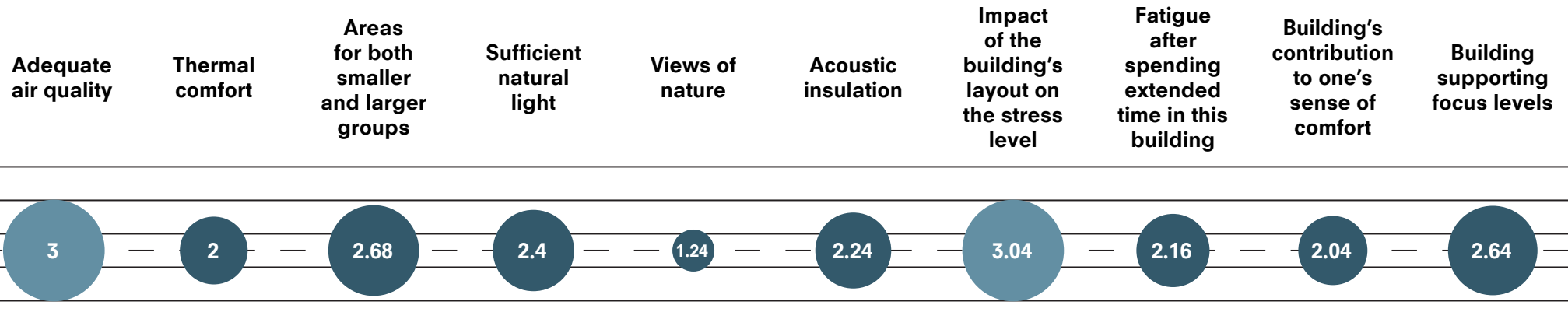
HOW DO YOU REALLY FEEL ABOUT BOCCONI?



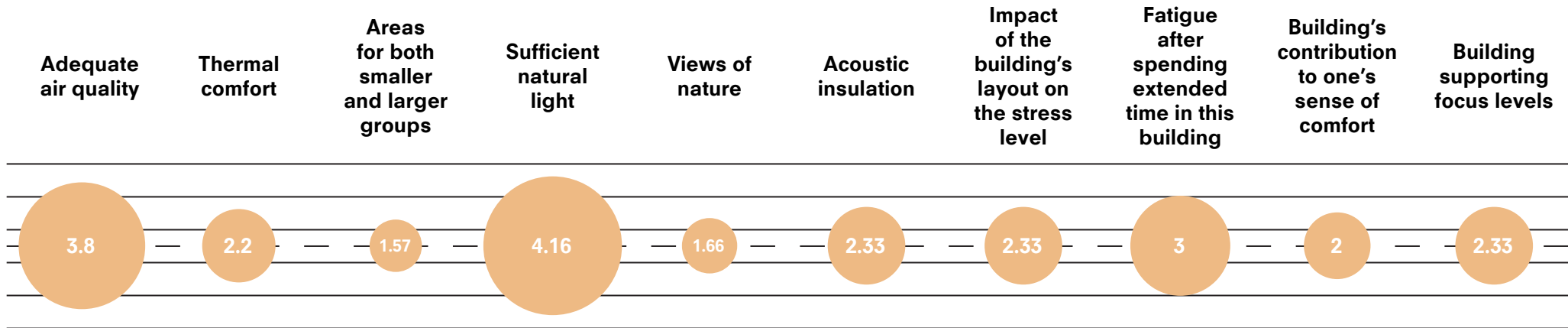
VIA ROENTGEN THROUGH THE EYES OF THE USERS



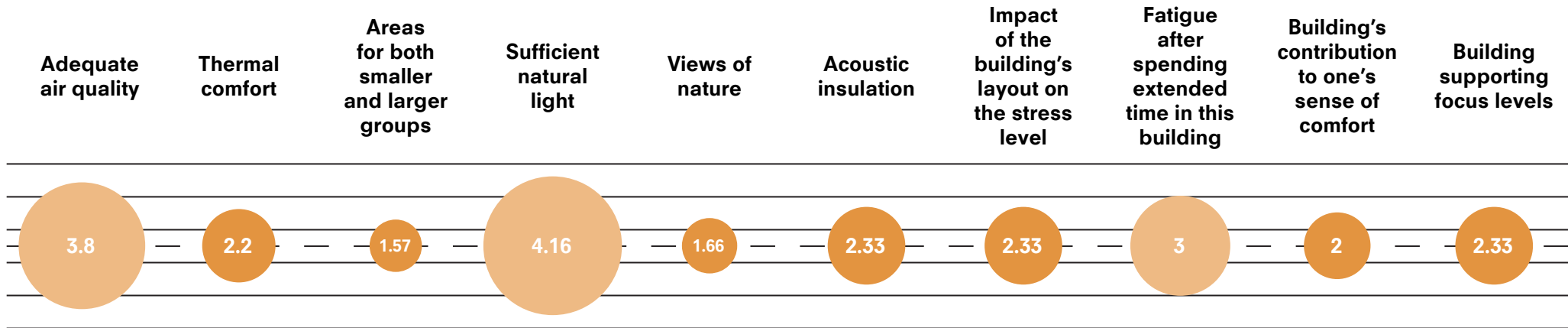
VIA ROENTGEN THROUGH THE EYES OF THE USERS



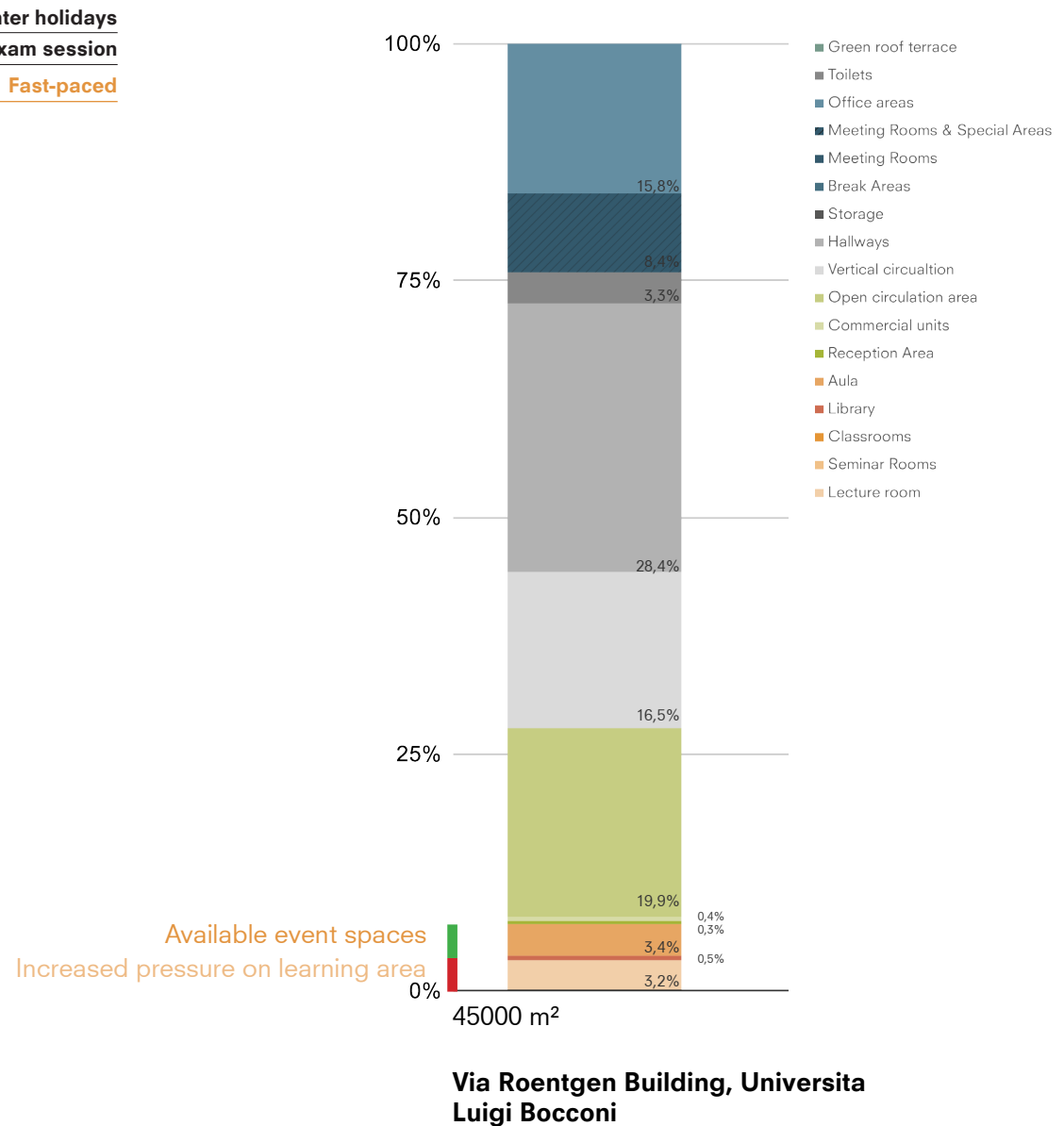
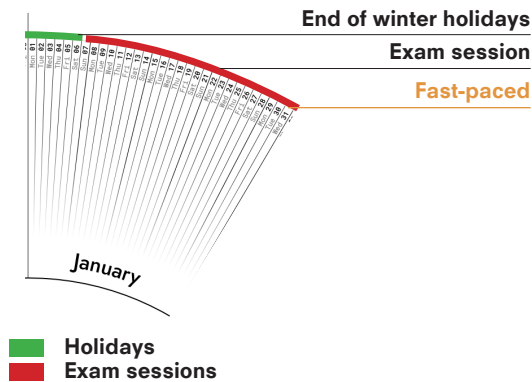
BOCCONI LIBRARY THROUGH THE EYES OF THE USERS



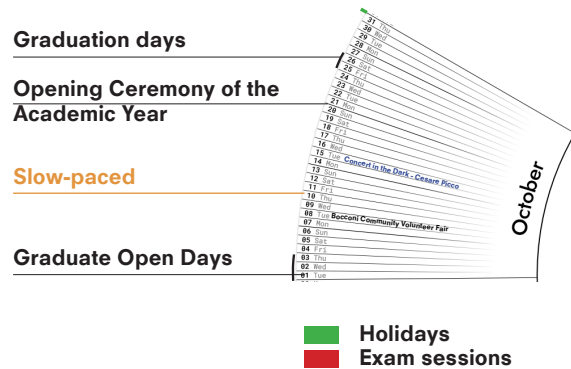
BOCCONI LIBRARY THROUGH THE EYES OF THE USERS



BOCCONI UNIVERSITY ACADEMIC CALENDAR

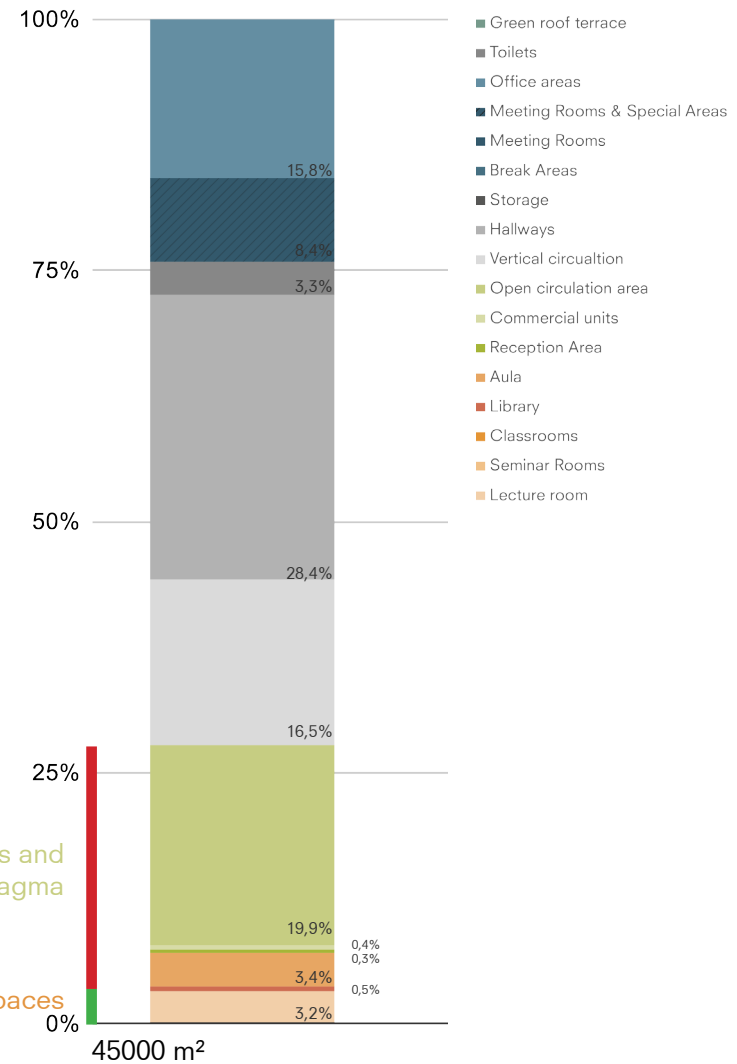


BOCCONI UNIVERSITY ACADEMIC CALENDAR



Increased pressure on public areas and
Aula Magma

Available learning spaces



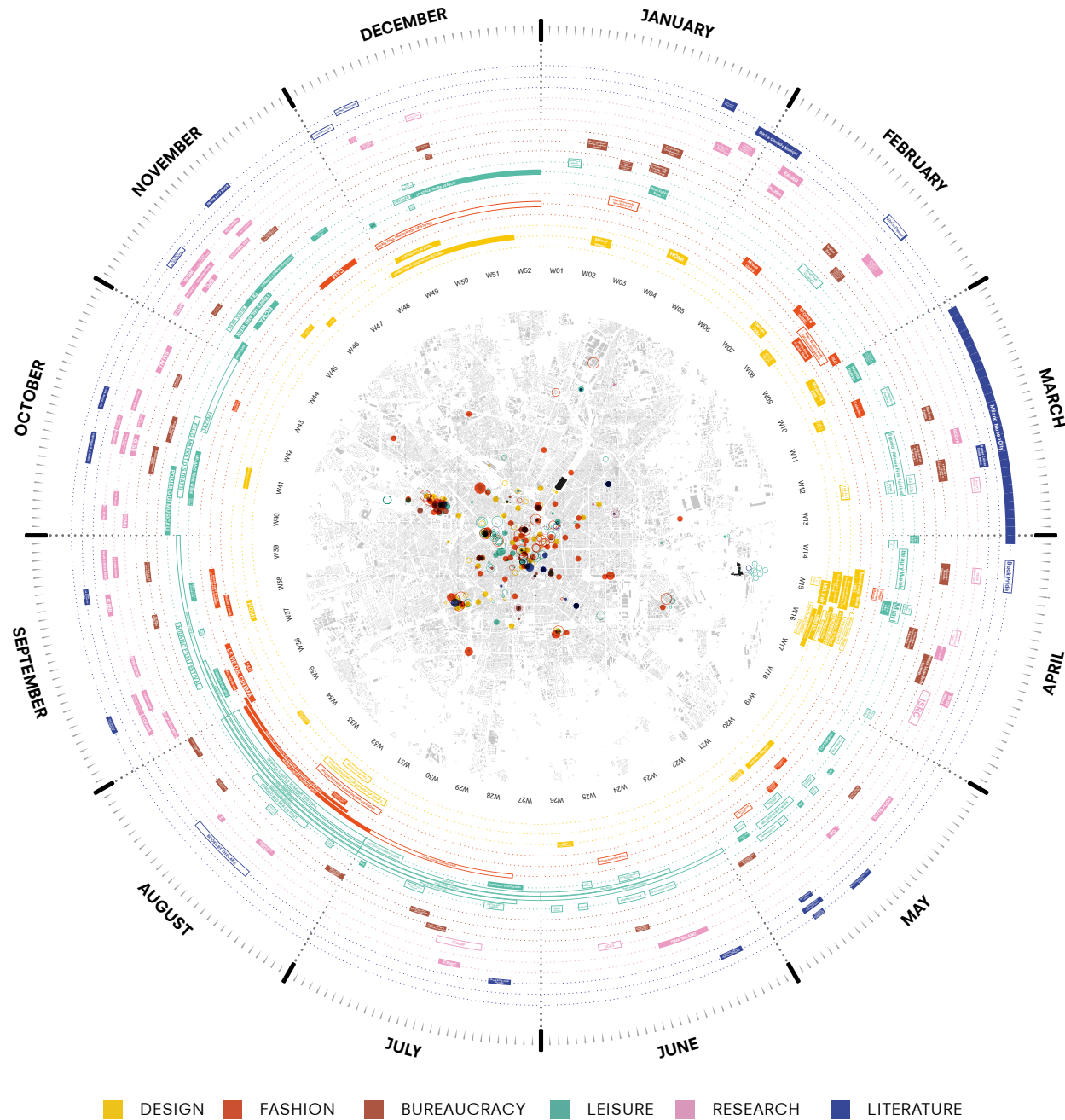
**Via Roentgen Building, Università
Luigi Bocconi**

Introduction

MILAN IS

MILAN IS A CITY OF TEMPORALITIES

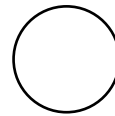
MILAN IS ABOUT EVENTS



Group Theme

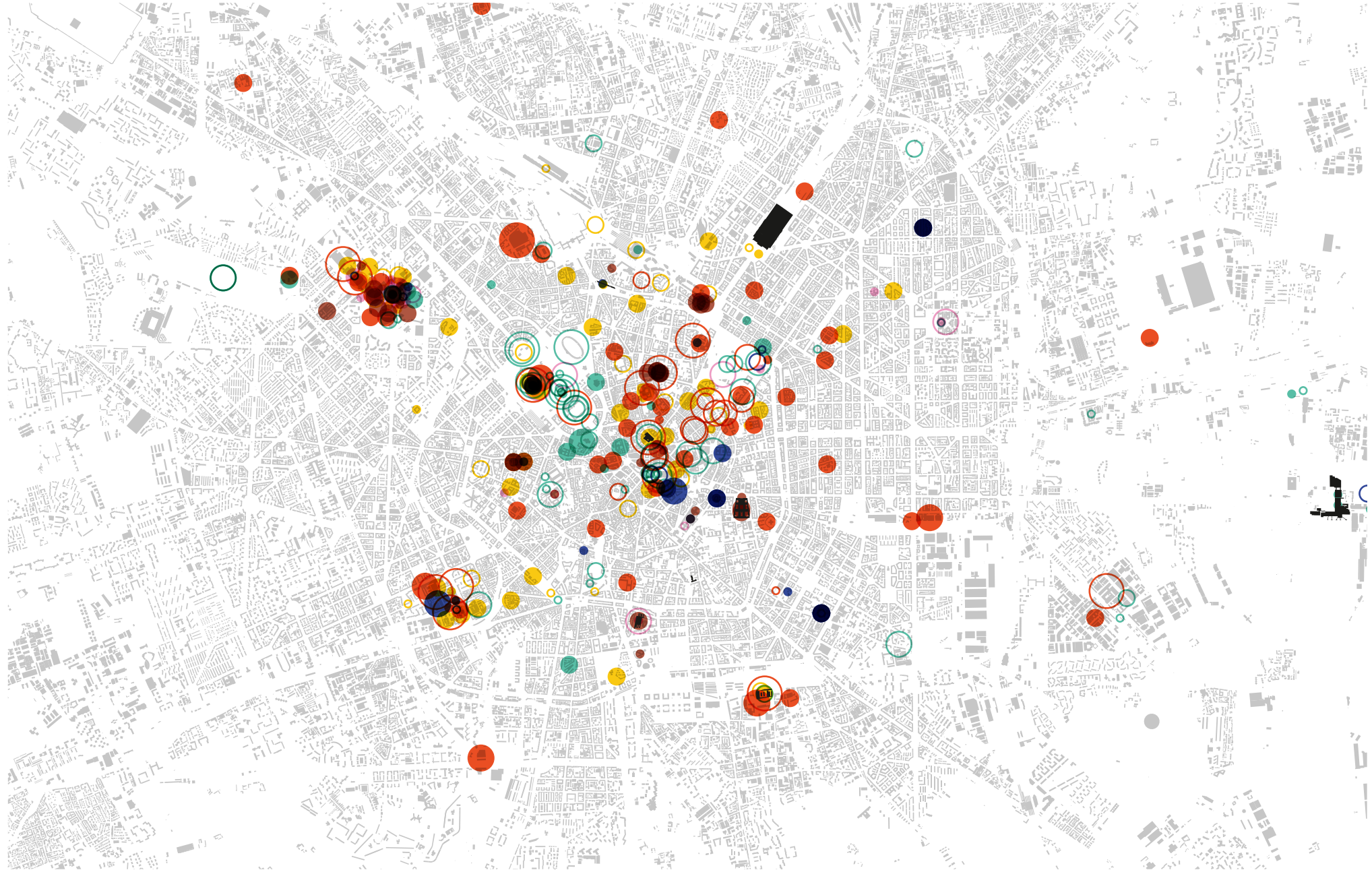
MILAN IS

INVISIBLE

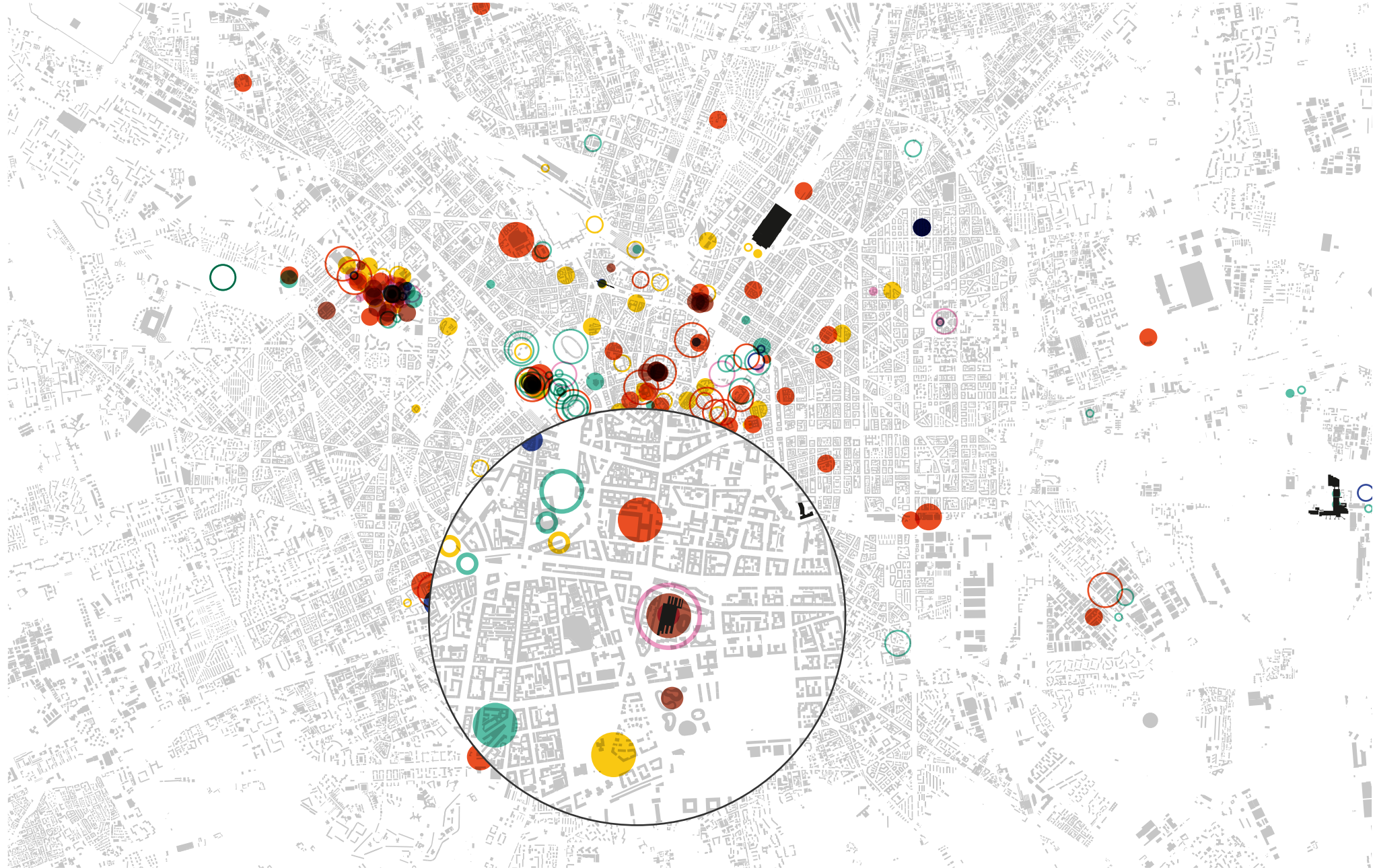


VISIBLE

MILAN AS CITY OF TEMPORALITIES



MILAN AS CITY OF TEMPORALITIES



BOCCONI AND ITS VISIBLE EVENTS



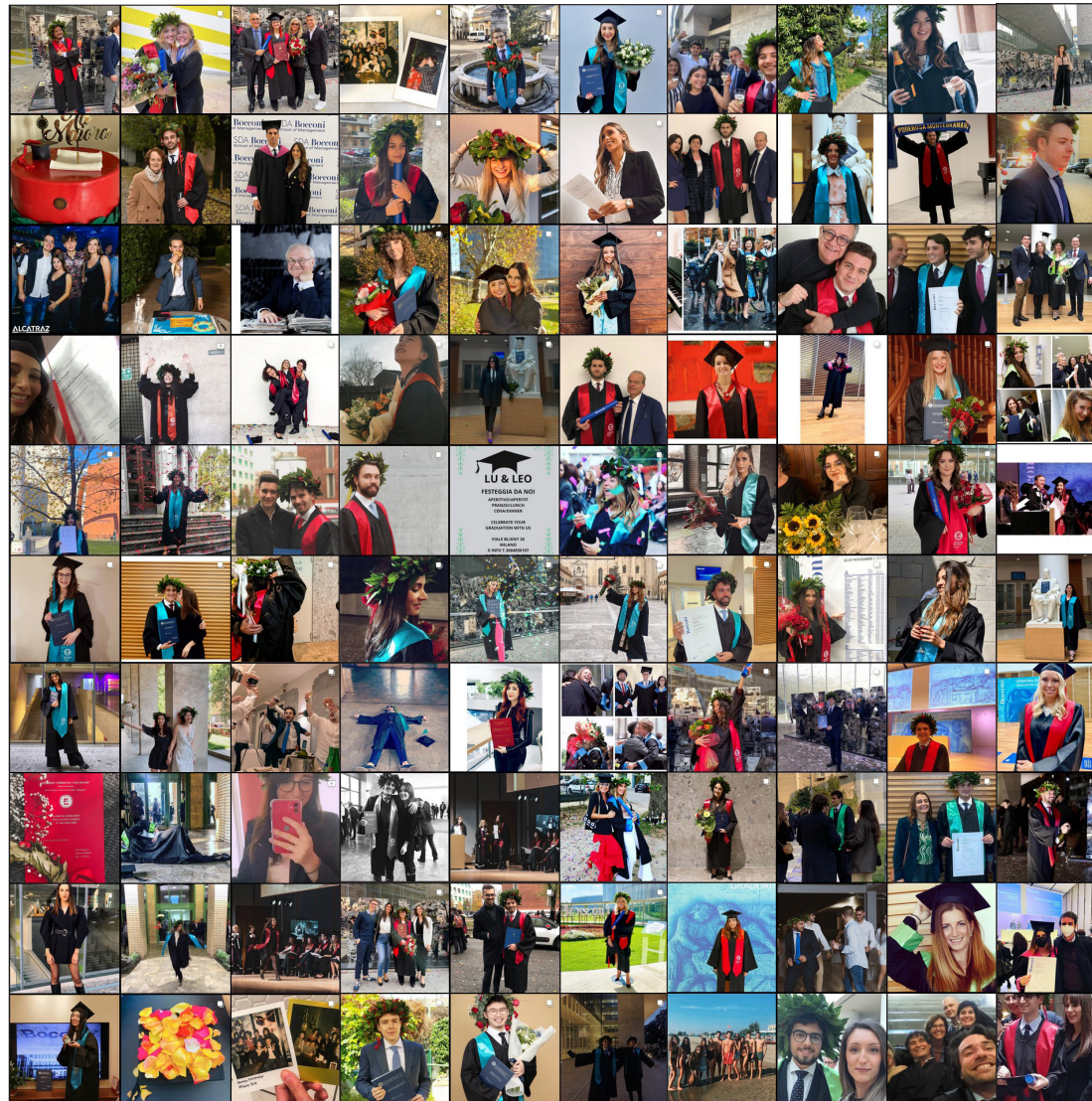
BOCCONI AND ITS VISIBLE EVENTS



Introduction

#BOCCONIGRADUATION

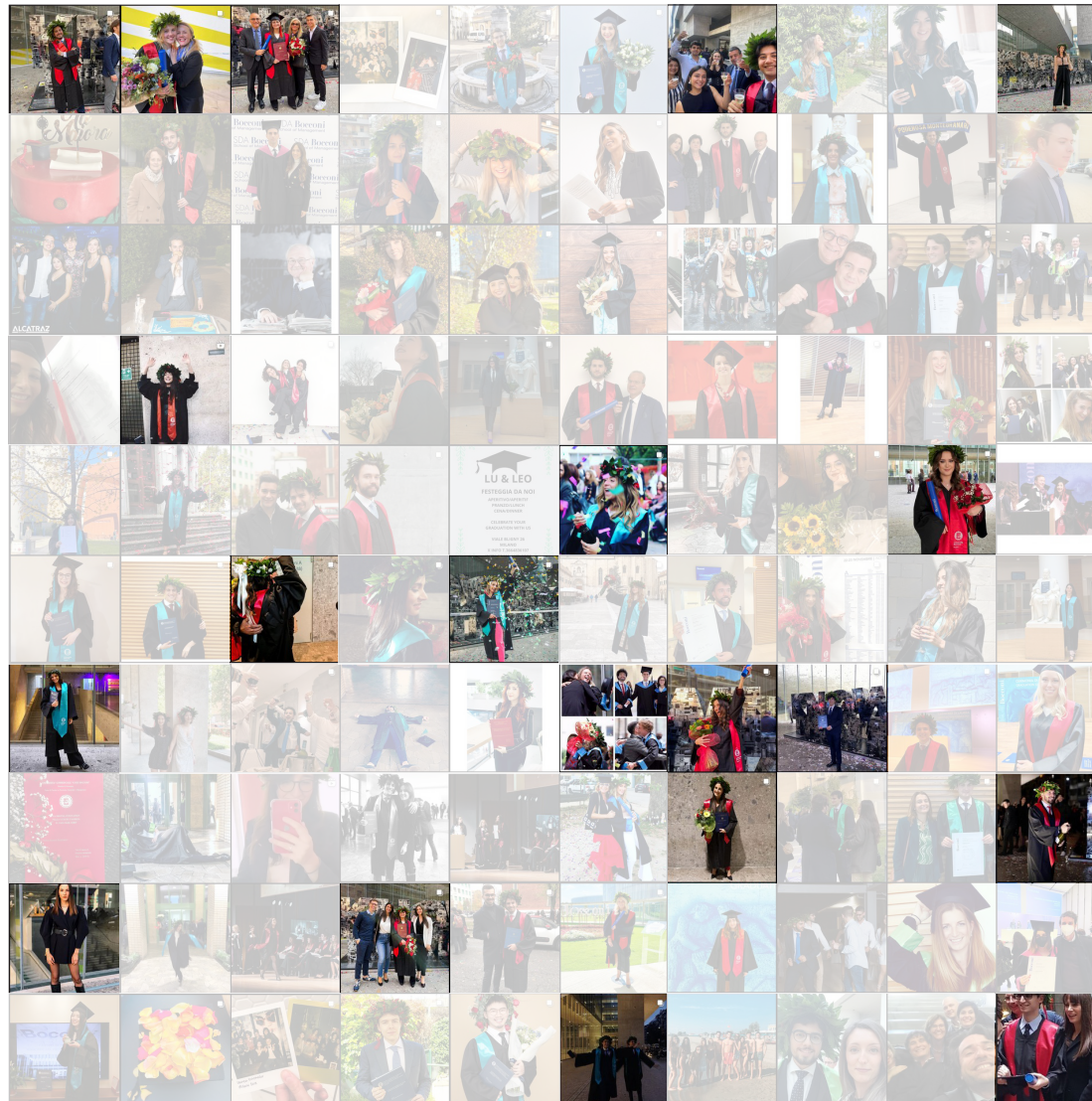
500+ posts



Introduction

#BOCCONIGRADUATION

500+ posts



20% are made in front of the **Via Roentgen Building**

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Site

SITE CONDITIONS - L



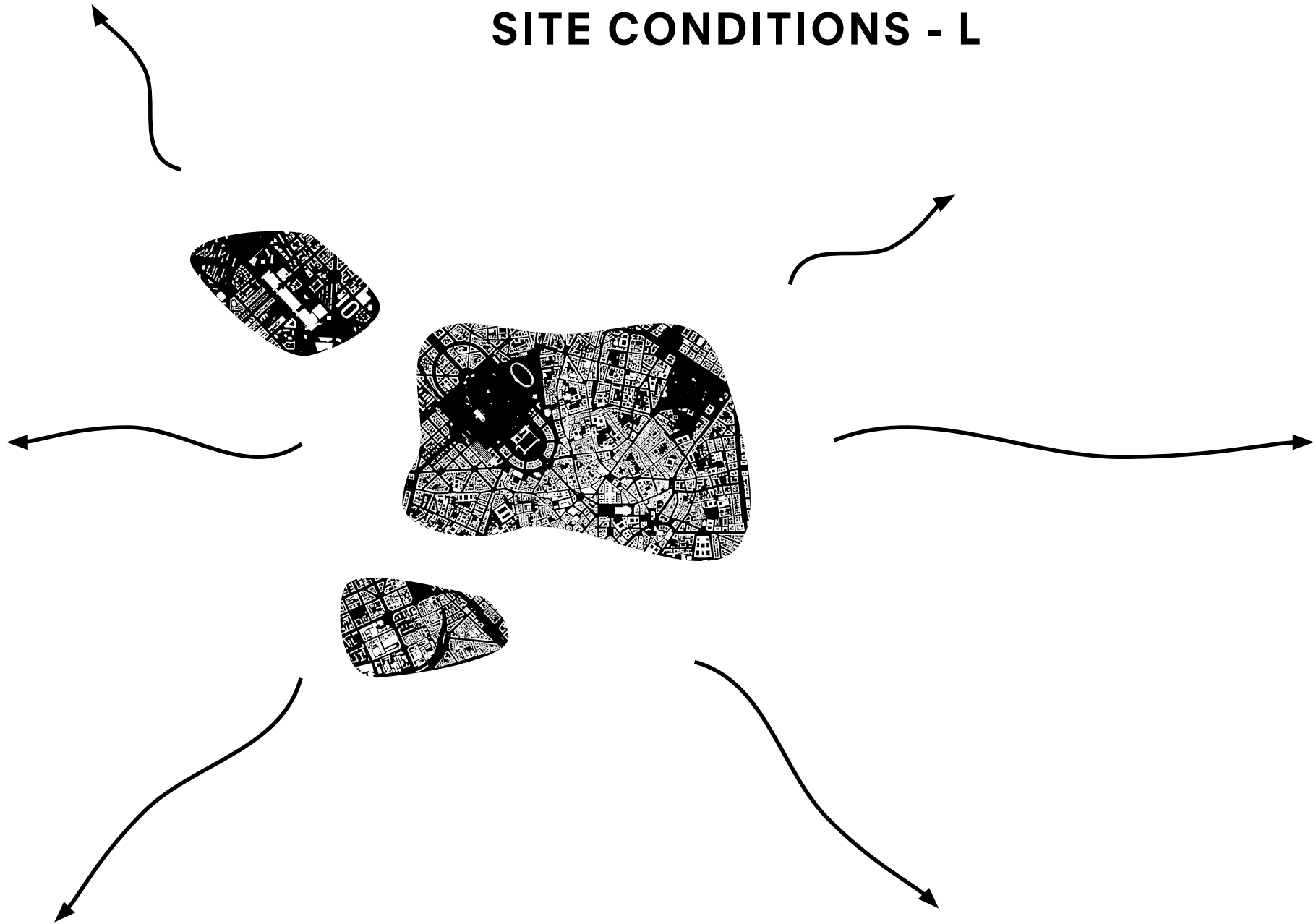
Site

SITE CONDITIONS - L



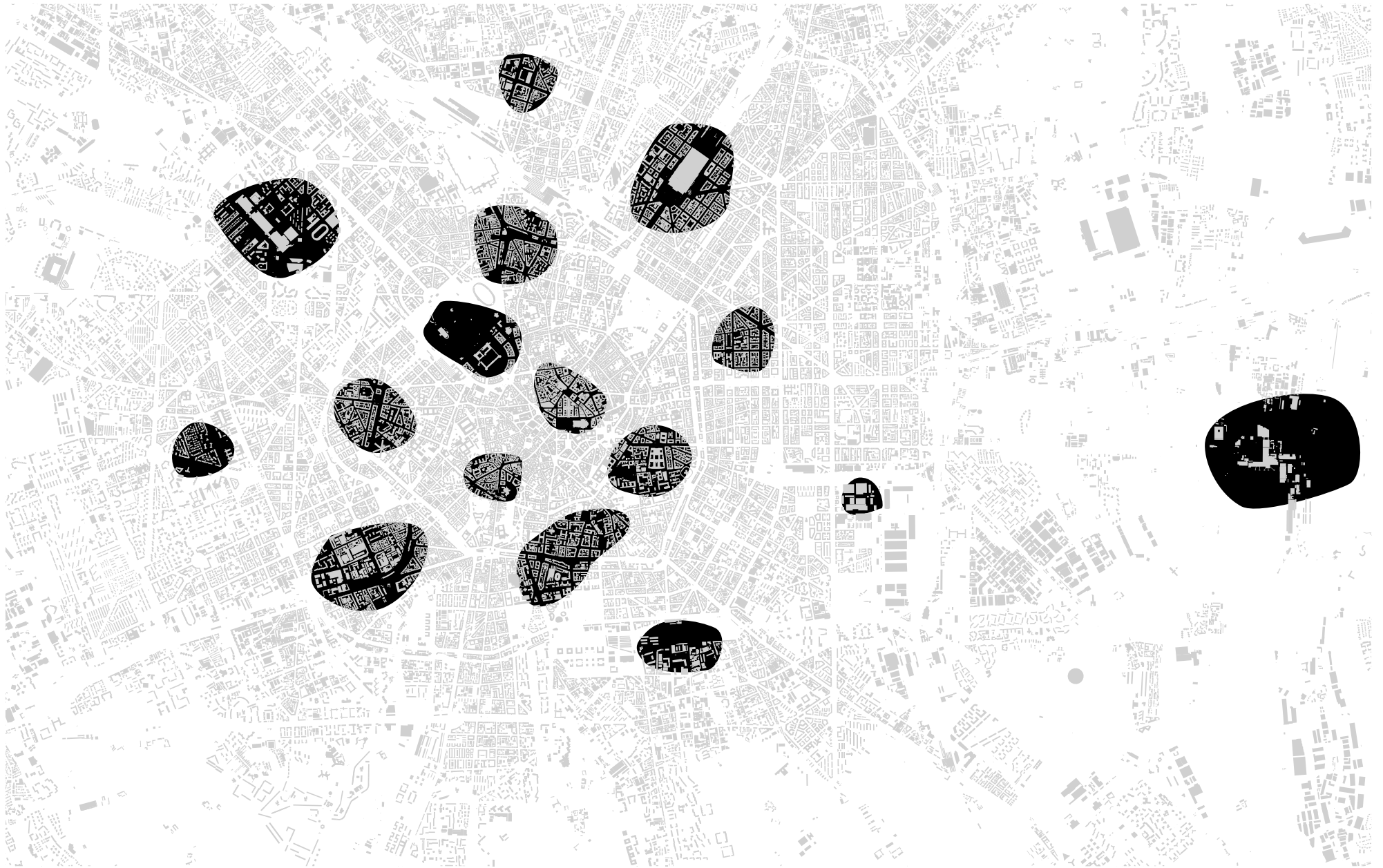
Site

SITE CONDITIONS - L



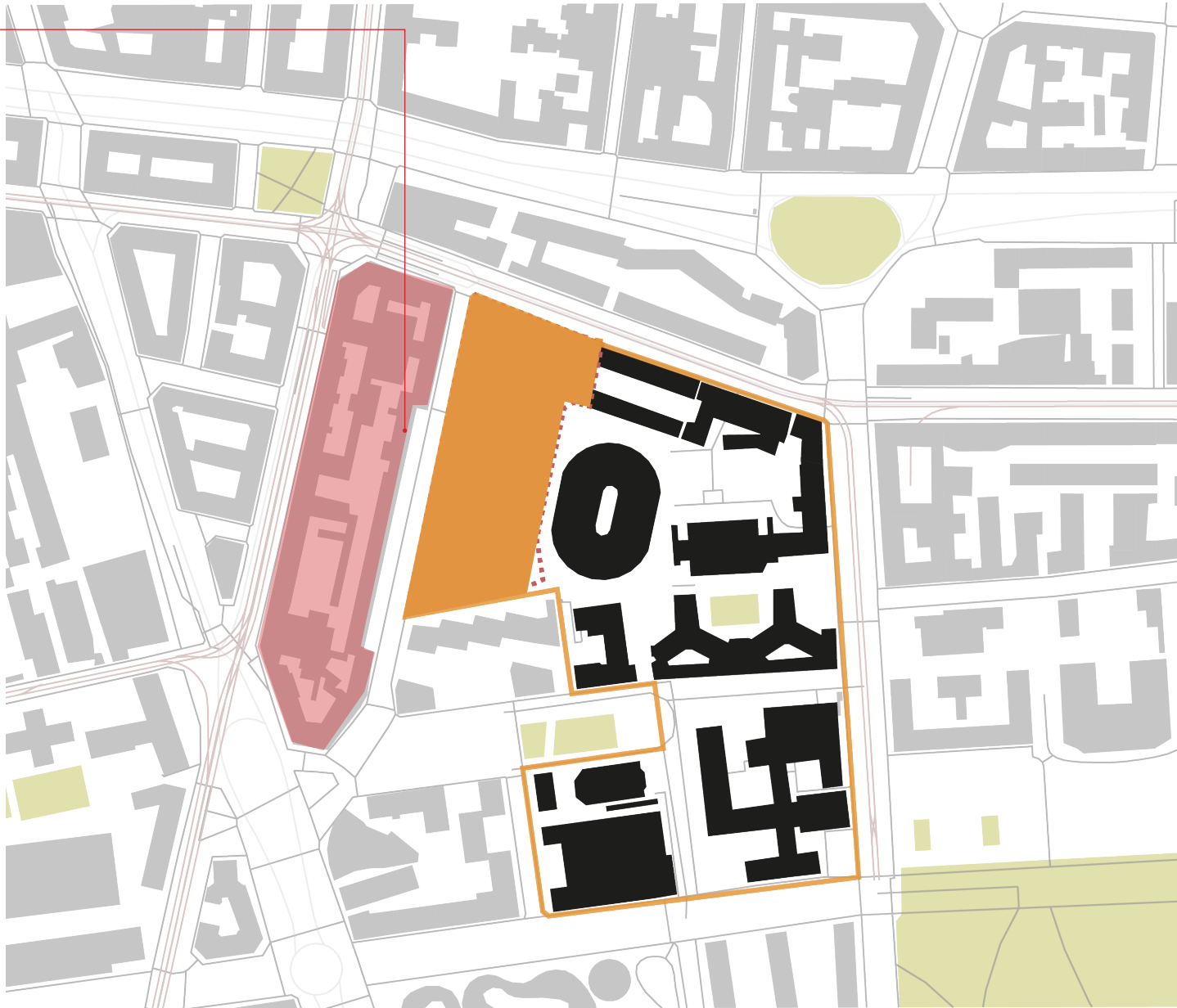
Site

SITE CONDITIONS - L



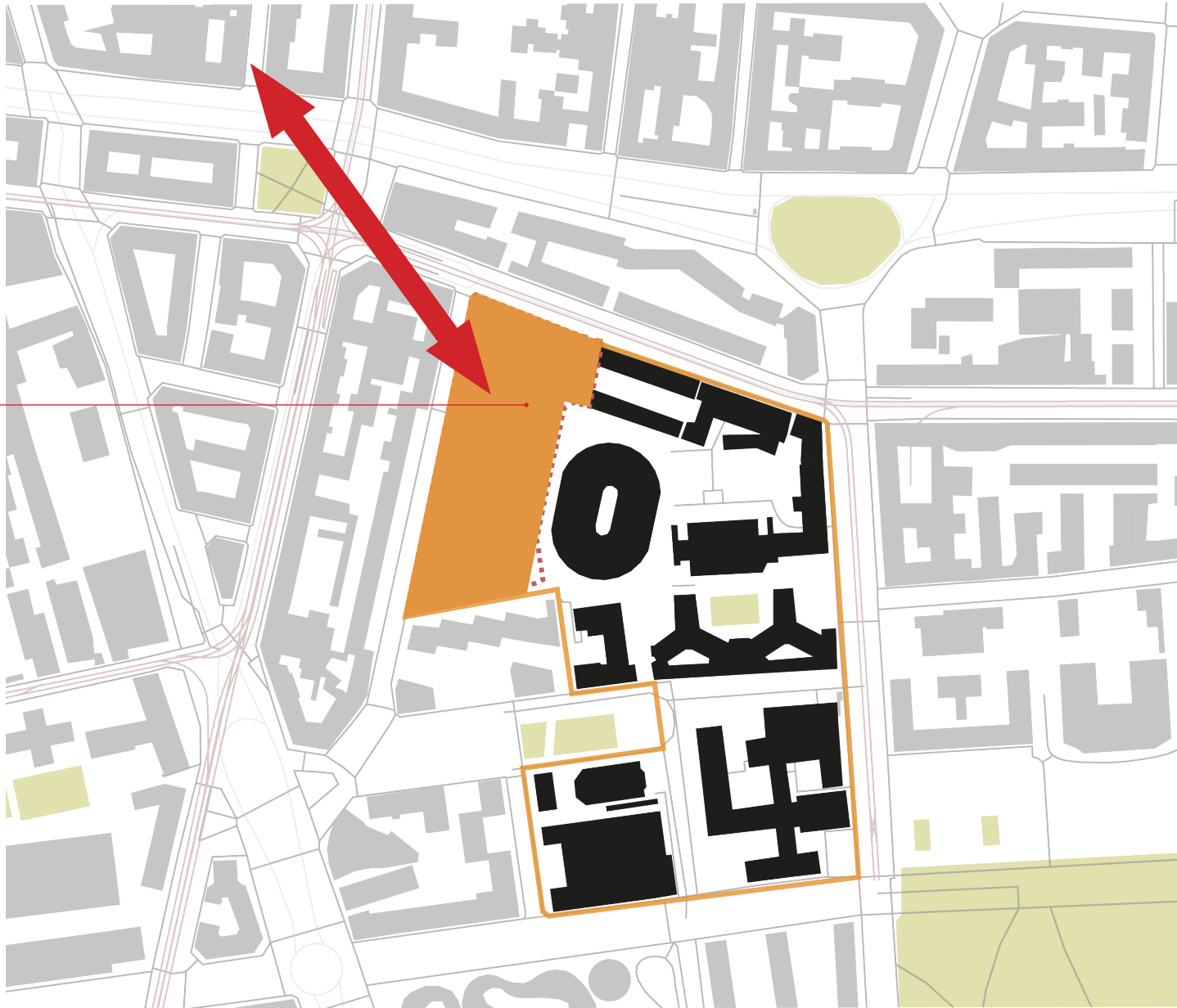
SITE CONDITIONS - M

Residential building:
no views allowed
from the university



SITE CONDITIONS - M

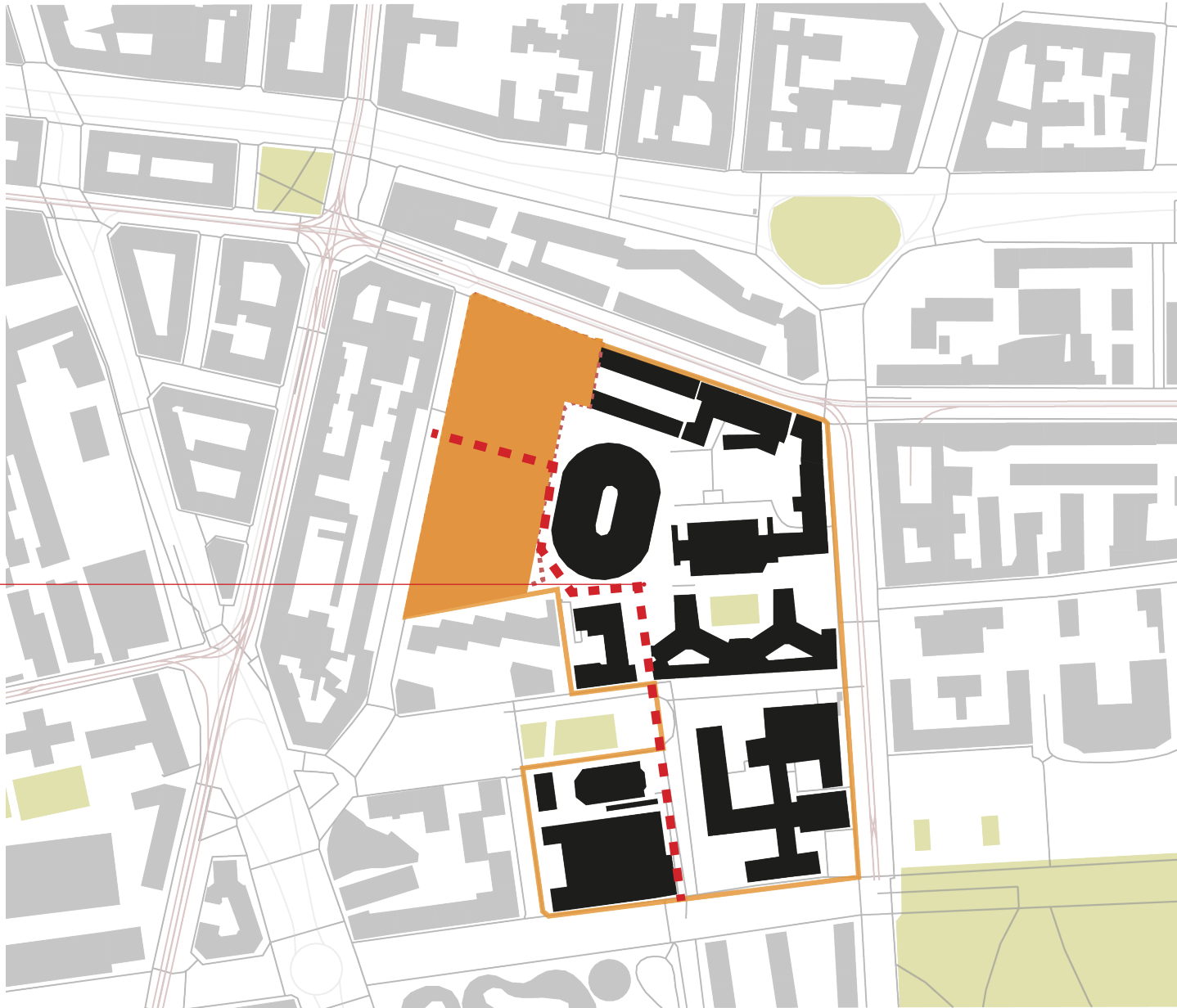
The building needs
to act as a connector
between the campus
and the city



Site

SITE CONDITIONS - M

Main circulation route
for students in the
Bocconi Campus



SITE CONDITIONS - M

Improve the greenery
ratio in the campus
area



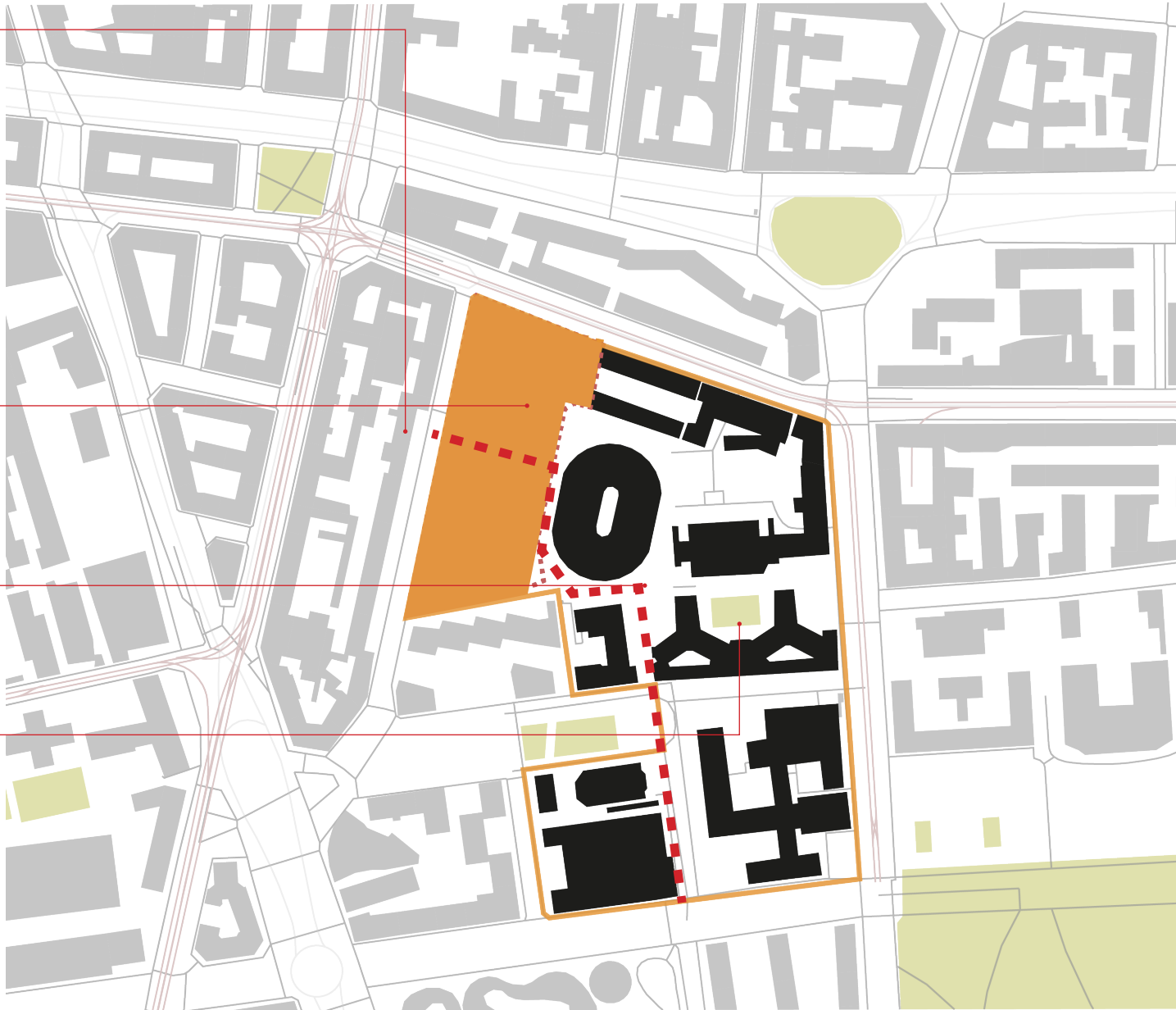
SITE CONDITIONS - M

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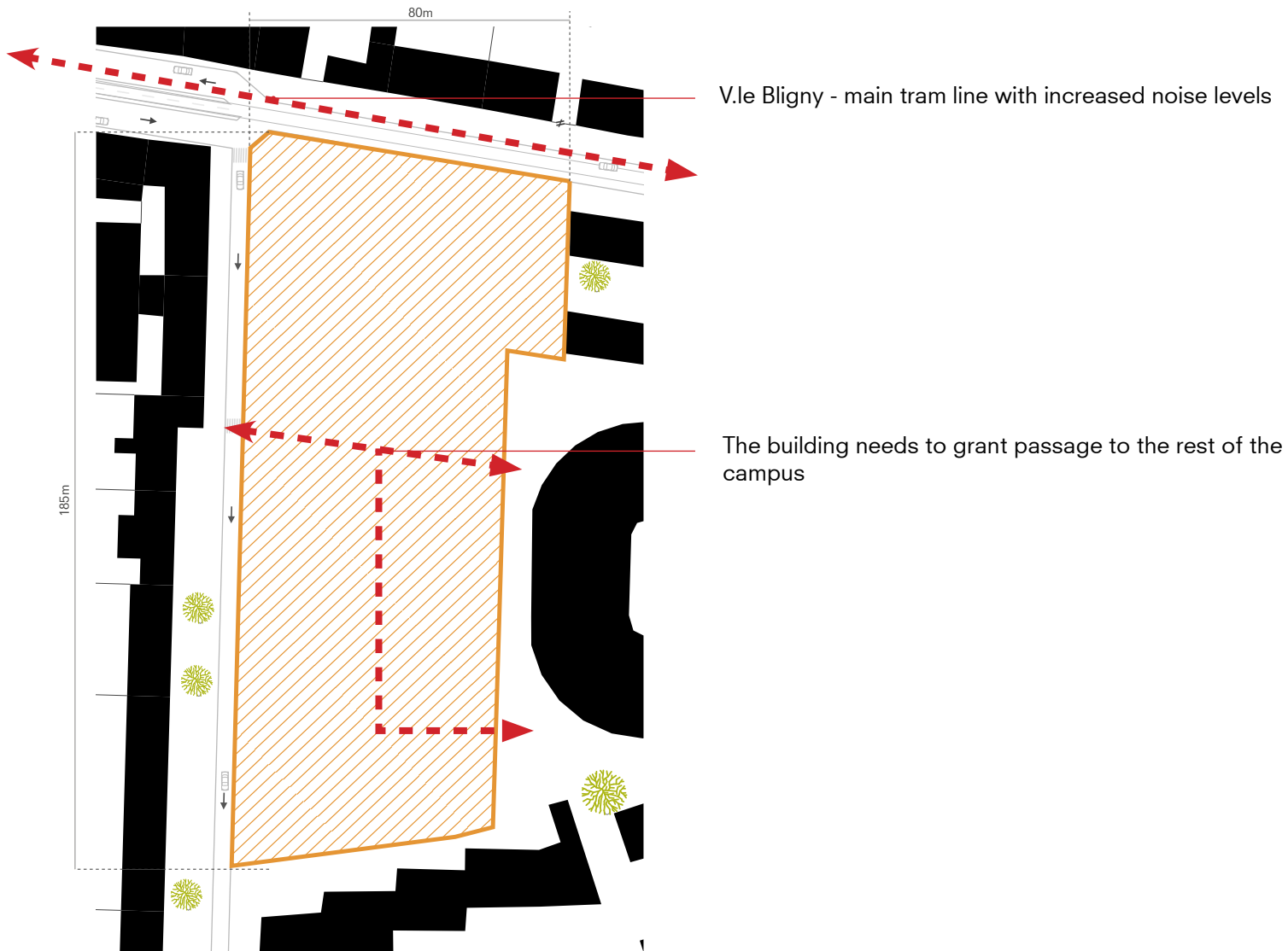
Main circulation route
for students in the
Bocconi Campus

Improve the greenery
ratio in the campus
area



Site

SITE CONDITIONS - S

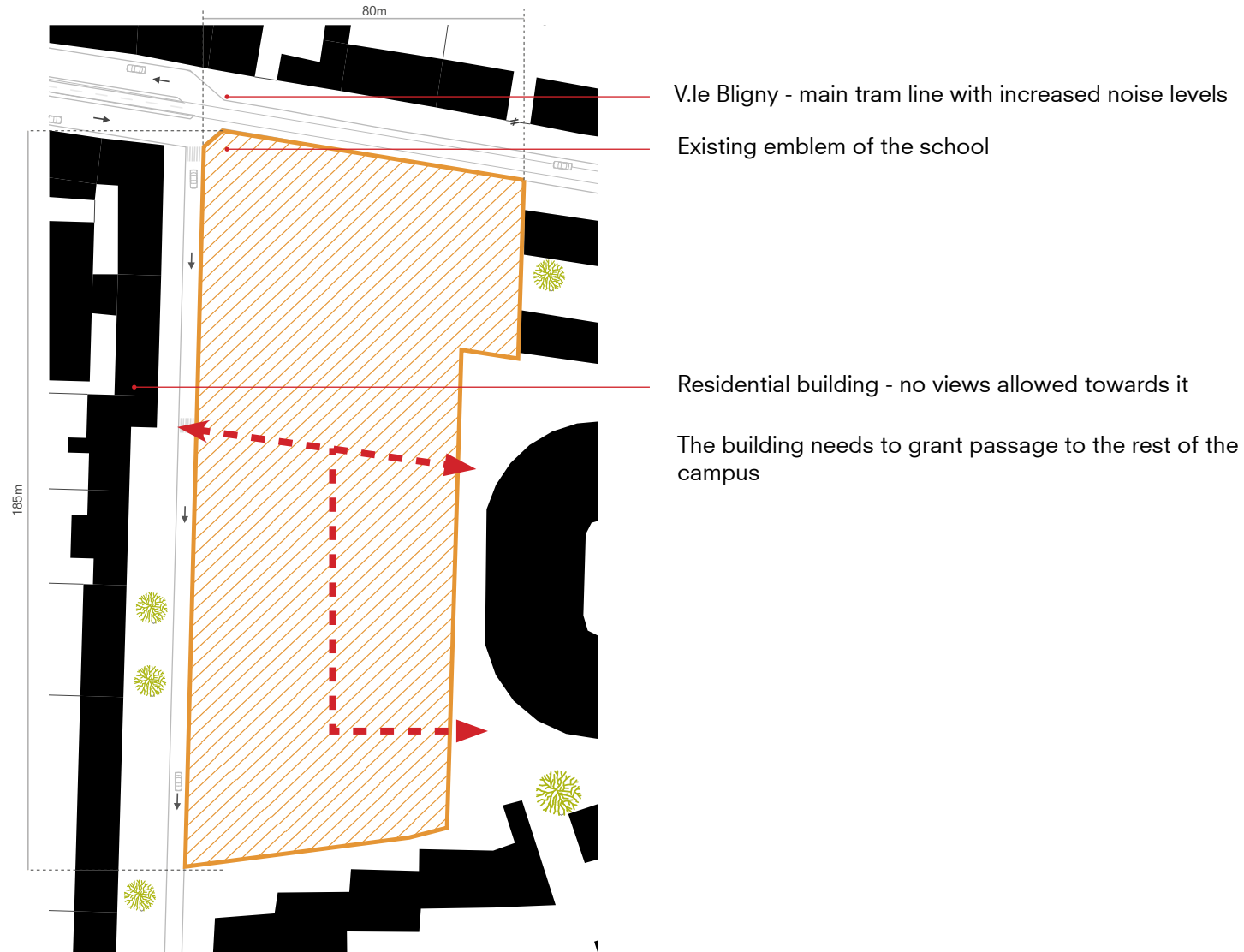


Site: 185 x 80m
Area: 11.662 m²

Site
Scale 1 : 1250

Site

SITE CONDITIONS - S



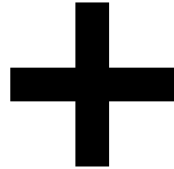
Site: 185 x 80m
Area: 11.662 m²

Site
Scale 1 : 1250

Programme

PROGRAMMATIC NEEDS FROM SURVEYS AND CASE STUDIES

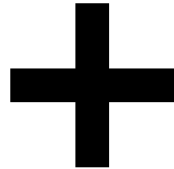
Students



Add additional spaces for the students

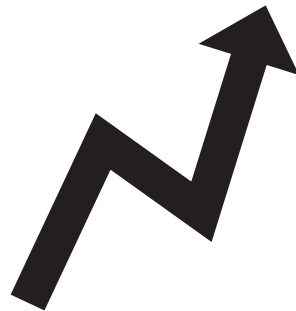
Group studying spaces
Smaller individual studying areas

PhD Students & Staff



Add additional spaces for the staff and PhD Students

Social areas
Additional toilets



Improve existing spaces for the staff and PhD Students

Diversity in colours and materials
Improve air circulation
Provide natural lighting to all offices
Add greenery

Programme

EXISTING SPACES

Staff

Students

Public

9 Departments

Individual per department

Office
Coffee Spaces
Break Area
Meeting Rooms
Server Rooms

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

7 Research Centres

Individual per research centre

Office
Coffee Spaces
Break Area
Meeting Rooms
Server/Database Rooms
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

7 Laboratories

Individual per laboratory

Office
Coffee Spaces
Break Area
Meeting Rooms
Laboratories
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

Lecture Halls
Cafeteria
Toilets

Info Point
Commercial Units
Foyer / Exhibition Space
Aula Magna

Bike Parking
Car Parking

Medical Centre
Community Kitchen

Library
Circulation Spaces

Programme

EXISTING SPACES

Staff

Students

Public

9 Departments

Individual per department

Office
Coffee Spaces
Break Area
Meeting Rooms
Server Rooms

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

7 Research Centres

Individual per research centre

Office
Coffee Spaces
Break Area
Meeting Rooms
Server/Database Rooms
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

7 Laboratories

Individual per laboratory

Office
Coffee Spaces
Break Area
Meeting Rooms
Laboratories
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

Lecture Halls
Cafeteria
Toilets

Info Point
Commercial Units
Foyer / Exhibition Space
Aula Magna

Bike Parking
Car Parking

Medical Centre
Community Kitchen

Library
Circulation Spaces

Expanded areas

Programme

EXISTING SPACES

Staff

Students

Public

9 Departments

Individual per department

Office
Coffee Spaces
Break Area
Meeting Rooms
Server Rooms

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

7 Research Centres

Individual per research centre

Office
Coffee Spaces
Break Area
Meeting Rooms
Server/Database Rooms
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

7 Laboratories

Individual per laboratory

Office
Coffee Spaces
Break Area
Meeting Rooms
Laboratories
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Storage Area
Toilets

Lecture Halls
Cafeteria
Toilets

Info Point
Commercial Units
Foyer / Exhibition Space
Aula Magna

Bike Parking
Car Parking

Medical Centre
Community Kitchen

Library
Circulation Spaces

 Reduced in size

Programme

PROPOSED SPACES

Staff

Students

Public

9 Departments

Individual per department

Office
Coffee Spaces
Break Area
Meeting Rooms
Phone Booths
Lobby
Server Rooms

Common Spaces

Rooms for IT Equipment
Creative Spaces
Storage Area
Toilets

7 Research Centres

Individual per research centre

Office
Coffee Spaces
Break Area
Meeting Rooms
Phone Booths
Lobby
Server/Database Rooms
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Creative Spaces
Storage Area
Toilets

7 Laboratories

Individual per laboratory

Office
Coffee Spaces
Break Area
Meeting Rooms
Phone Booths
Lobby
Laboratories
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Creative Spaces
Storage Area

Lecture Halls
Classrooms
Self-Study Areas
Collaboration Spaces
Open Kitchenette
Cafeteria
Toilets

Info Point
Commercial Units
Foyer / Exhibition Space
Aula Magna
Green terraces

Bike Parking
Car Parking

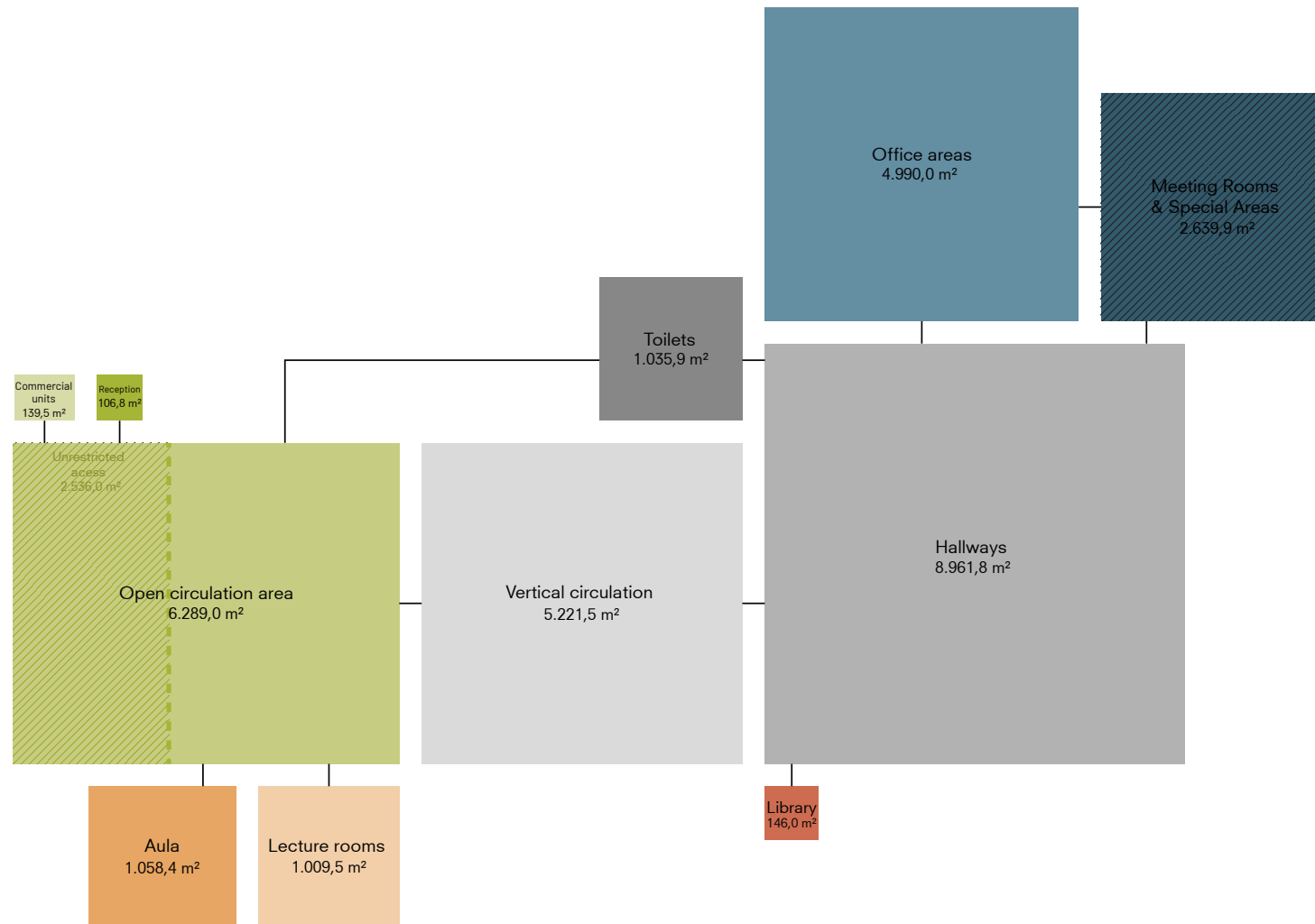
Medical Centre
Prayer Room
Community Kitchen
Conference Rooms
Gaming Room

Library
Circulation Spaces

 Additional Programme

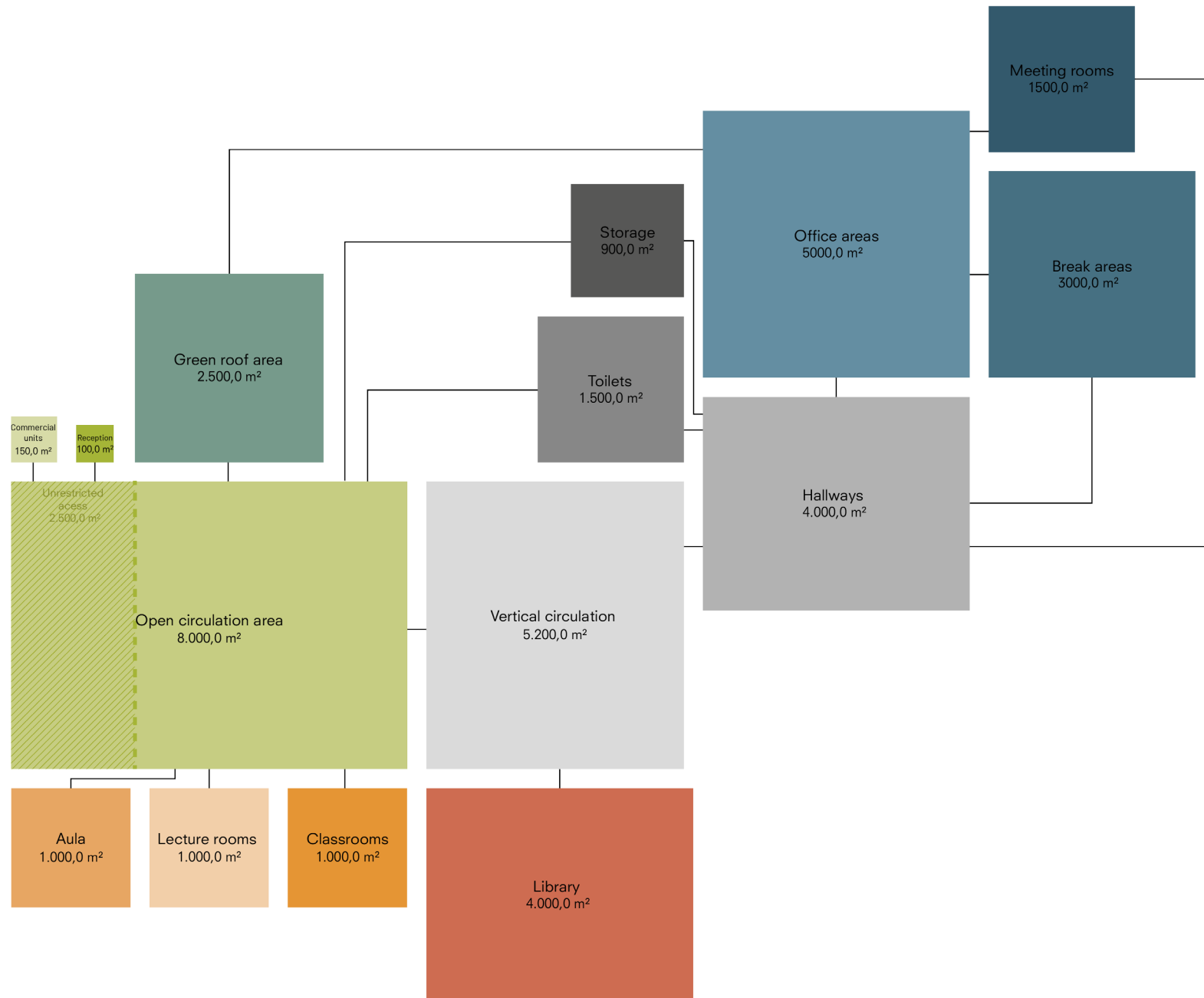
Programme

EXISTING PROGRAMME



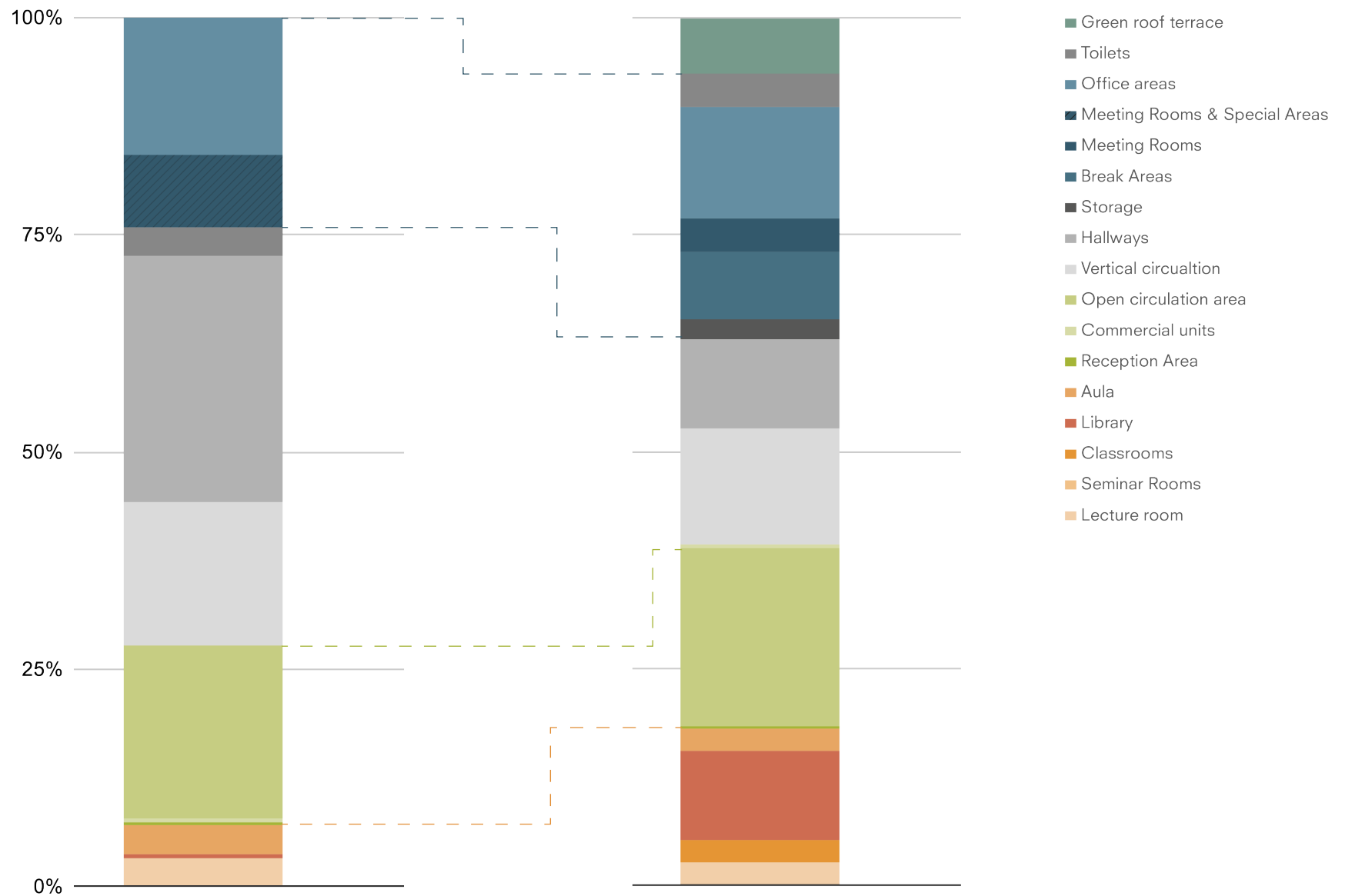
Programme

PROPOSED PROGRAMME



Programme

ADAPTED PROGRAMME



Programme

ESSENTIAL SPACES

Staff

Students

Public

9 Departments

Individual per department

Office
Coffee Spaces
Break Area
Meeting Rooms
Phone Booths
Lobby
Server Rooms

Common Spaces

Rooms for IT Equipment
Creative Spaces
Storage Area
Toilets

7 Research Centres

Individual per research centre

Office
Coffee Spaces
Break Area
Meeting Rooms
Phone Booths
Lobby
Server/Database Rooms
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Creative Spaces
Storage Area
Toilets

7 Laboratories

Individual per laboratory

Office
Coffee Spaces
Break Area
Meeting Rooms
Phone Booths
Lobby
Laboratories
Data Analysis Lab

Common Spaces

Rooms for IT Equipment
Creative Spaces
Storage Area

Lecture Halls
Classrooms
Self-Study Areas
Collaboration Spaces
Open Kitchenette
Cafeteria
Toilets

Info Point
Commercial Units
Foyer
Exhibition Space
Aula Magna

Bike Parking
Car Parking

Medical Centre
Prayer Room
Community Kitchen
Conference Rooms
Gaming Room

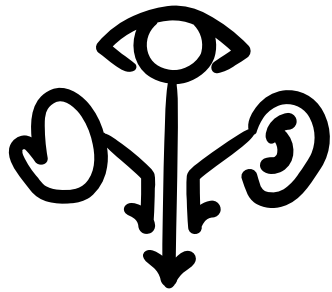
Library
Circulation Spaces



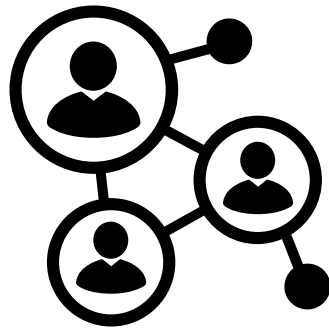
Spaces that would require variations based on different user group's needs

Programme

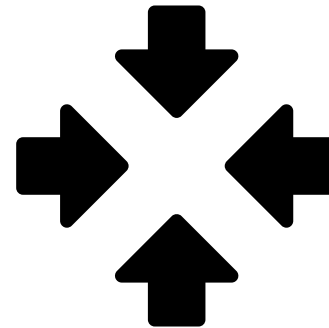
DIFFERENCES IN NEEDS



Sensory sensitivities



Social differences



Focus difficulties



Need of movement

ADDRESSING DIFFERENCES IN NEEDS

FOCUS

COLLABORATION

RETREAT

COMMUNITY

&

LOW STIMULATION, INDIVIDUAL

LOW STIMULATION, SOCIAL

HIGH STIMULATION, INDIVIDUAL

HIGH STIMULATION, SOCIAL

ADDRESSING DIFFERENCES IN NEEDS

ADDRESSING NEURODIVERSITY THROUGH DESIGN
IS ABOUT **EMPOWERING ALL INDIVIDUALS** TO TAKE
CONTROL OF THEIR ENVIRONMENTS, ENABLING
THEM TO SELECT SPACES THAT BEST SUIT THEIR
NEEDS.

Client

EXISTING CLIENTS



Bocconi University



Ministry of Culture



Ministero dell'Istruzione, dell'Università e della Ricerca

**Ministry of Education,
University and Research**

BOCCONI UNIVERSITY AND ITS AMBITIONS



Vision 2030

1. A **leading** independent international university in the social sciences
2. A university committed to the advancement of knowledge through rigorous and relevant research
3. A university offering a **life transforming learning experience of the highest academic quality**
4. A university promoting impact and engagement of all its stakeholders
5. An open university supporting **social mobility, inclusivity, diversity and sustainability**
6. A university promoting innovation and entrepreneurship

MINISTRY OF EDUCATION AND ITS AMBITIONS



Ministero dell'Istruzione, dell'Università e della Ricerca

Ambitions

1. Design a **new academic calendar** and Milanese economics educational institution
2. **Minimise the psychological distress levels among students** while supporting a similarly high level of academic performance
3. Create **new opportunities for students** to get in contact with the professional environment
4. Integrate the university as an institution more in the **urban fabric**

MINISTRY OF CULTURE AND ITS AMBITIONS



Ambitions

1. **Support the growing number of tourists** while avoiding the disneyfication of the city
2. Minimise the event pressure in the city centre to **allow space for residents**
3. Maintain the city character
4. Improve **visibility of events**
5. Encourage **investors**

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INTRODUCTION

DESIGN BRIEF

CONCEPT

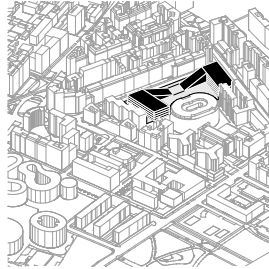
DESIGN IMPLEMENTATION

CONCLUSION

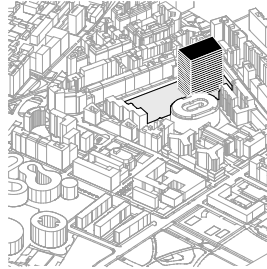
Concept

FORM FINDING

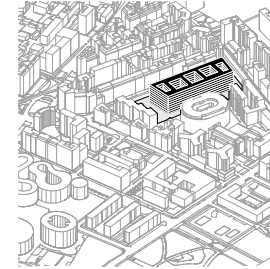
Site



Connector

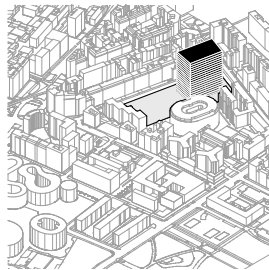


Tower

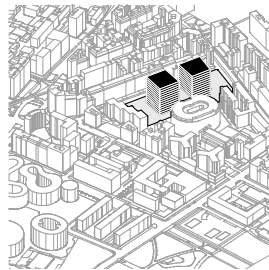


Series of courtyards

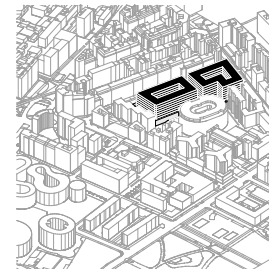
Programme



Stacked functions

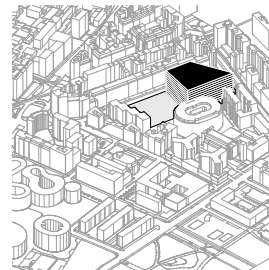


Common public areas

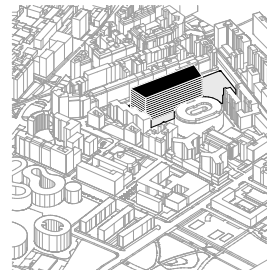


Divided functions

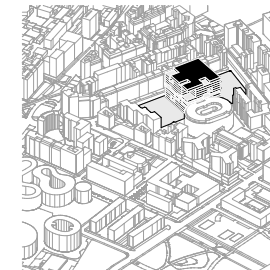
Client



Emblem of the university

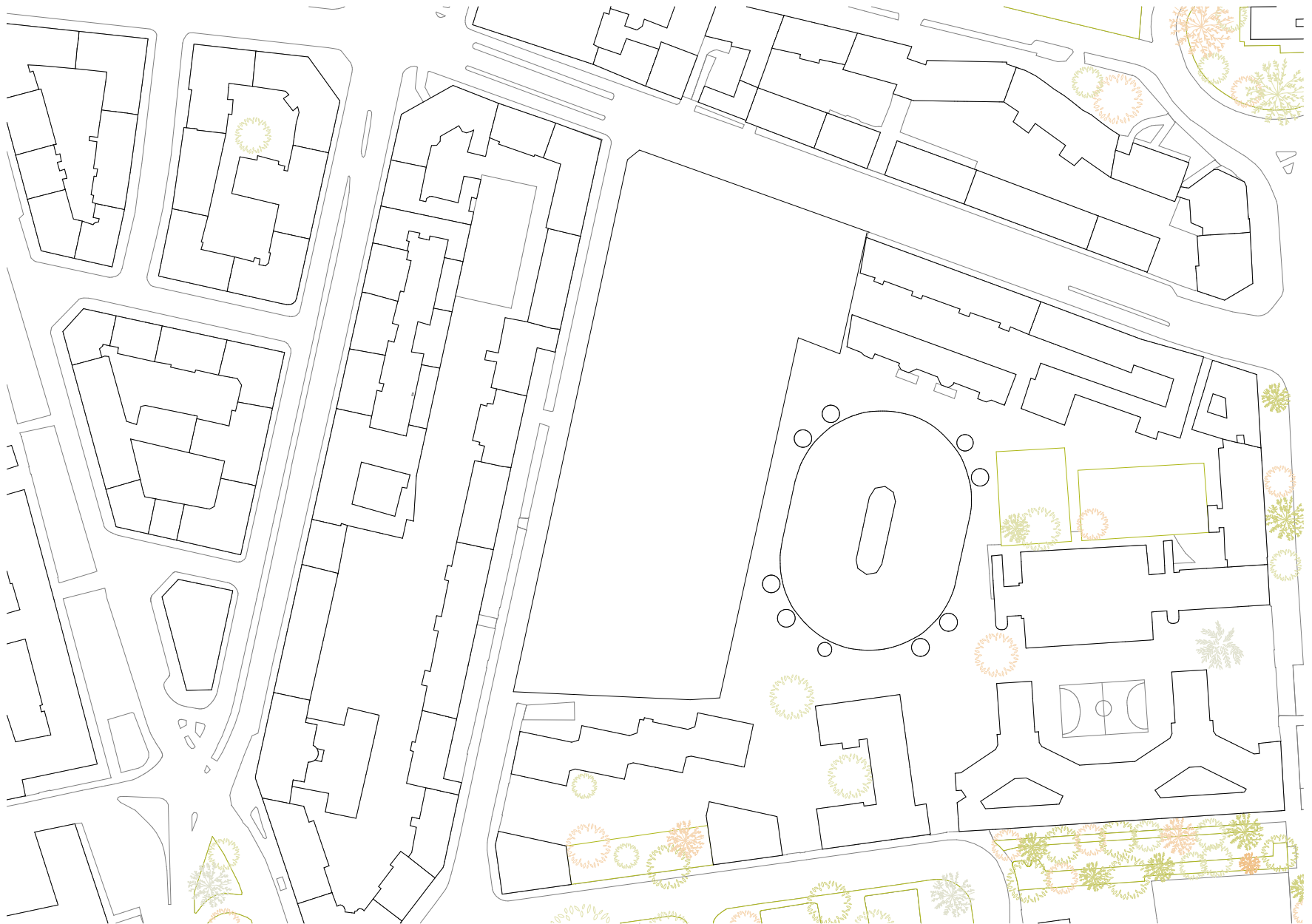


Revealing the campus



Vertical interplay of greenery

Concept SITE

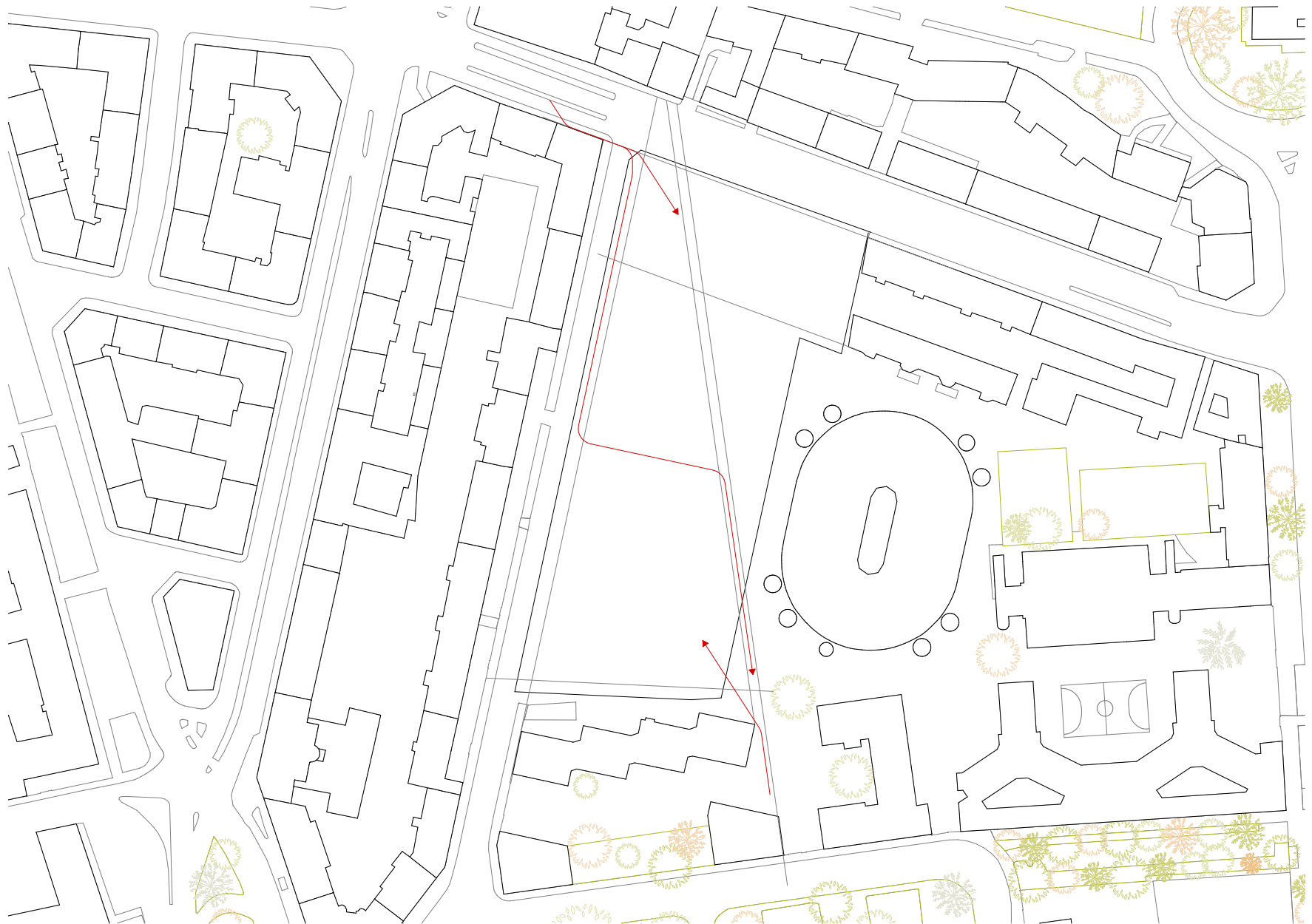


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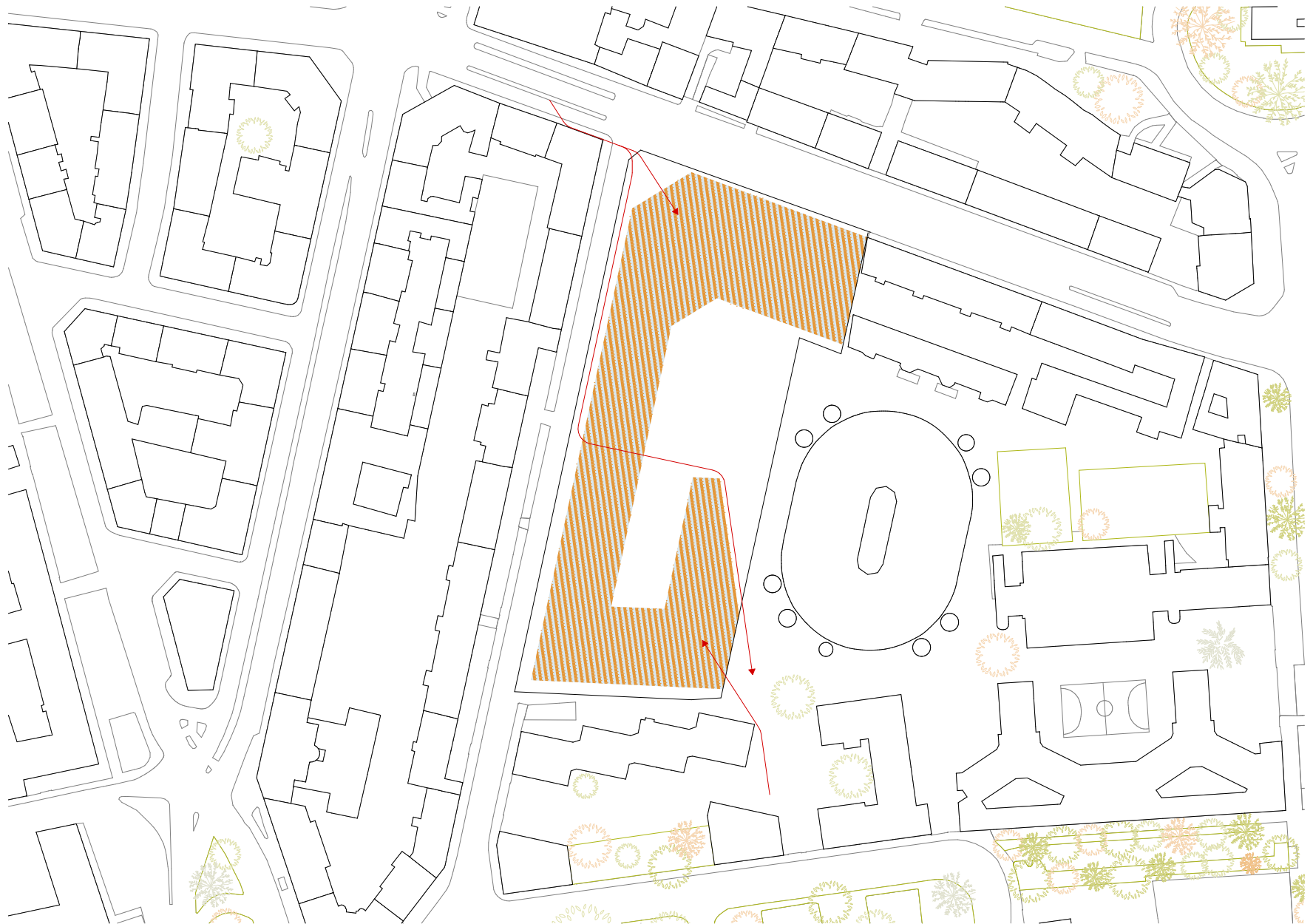
GUIDING LINES



Concept MAIN CIRCULATION

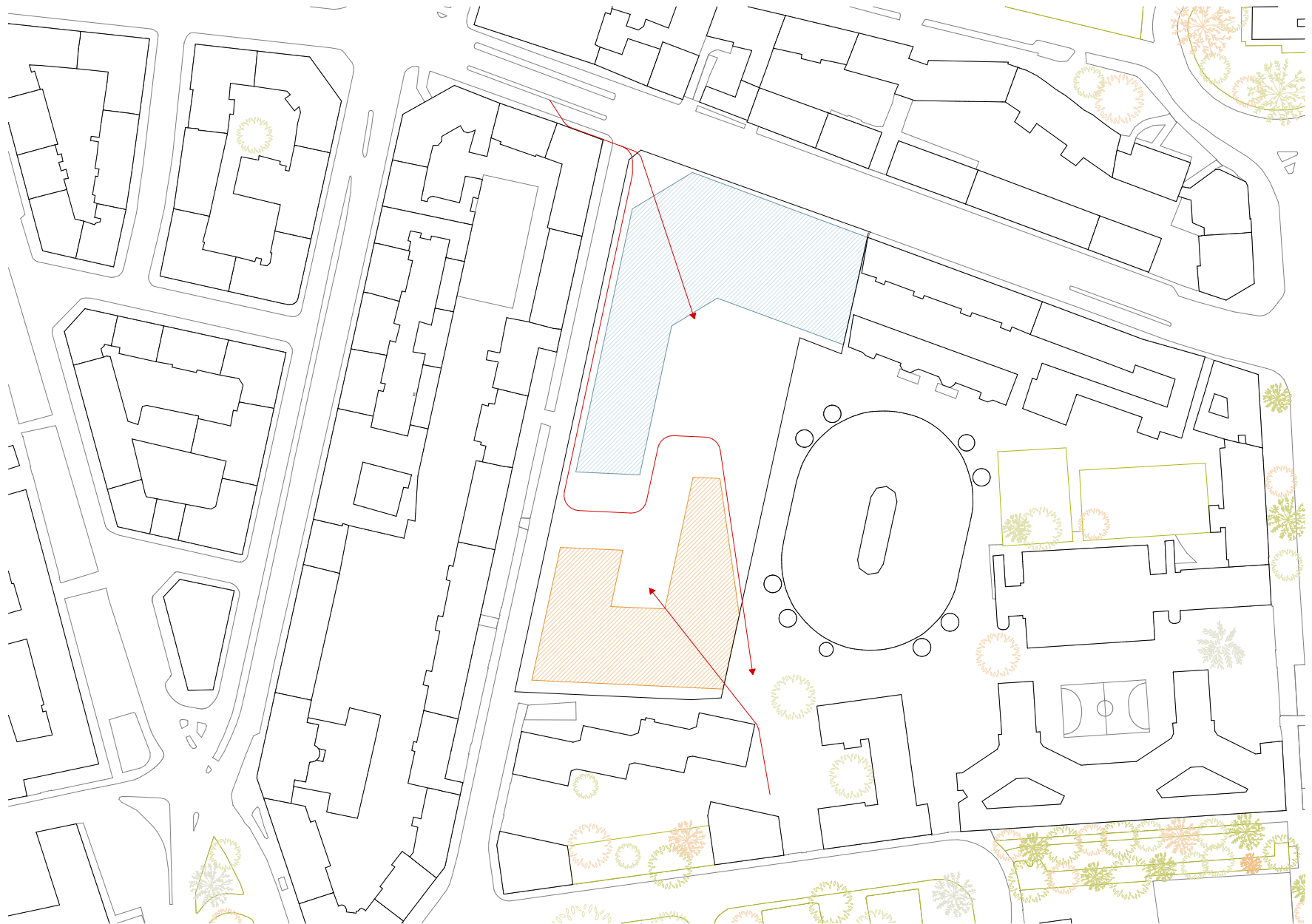


Concept **CONCEPT**

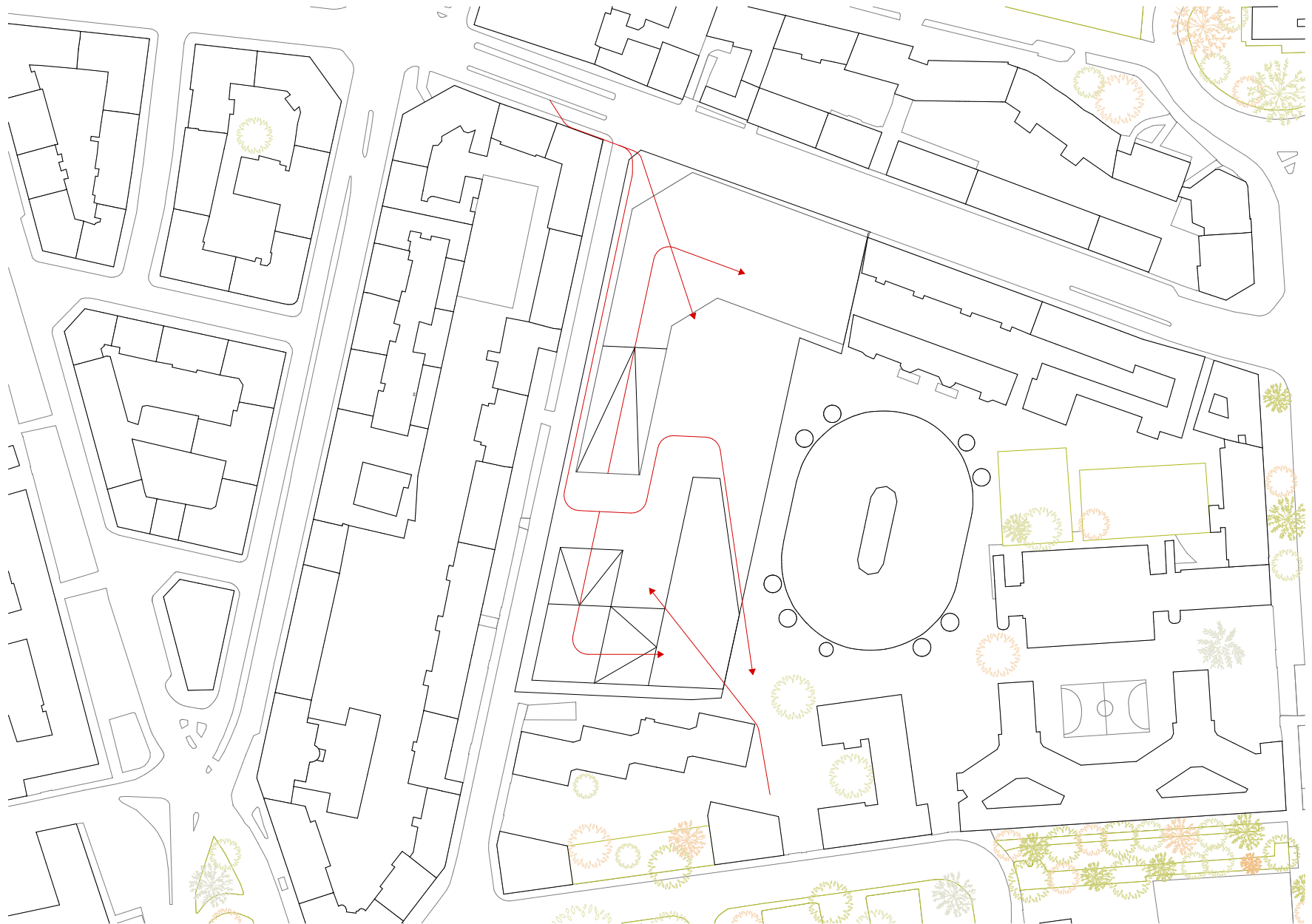


Concept

SEPARATING THE FUNCTIONS

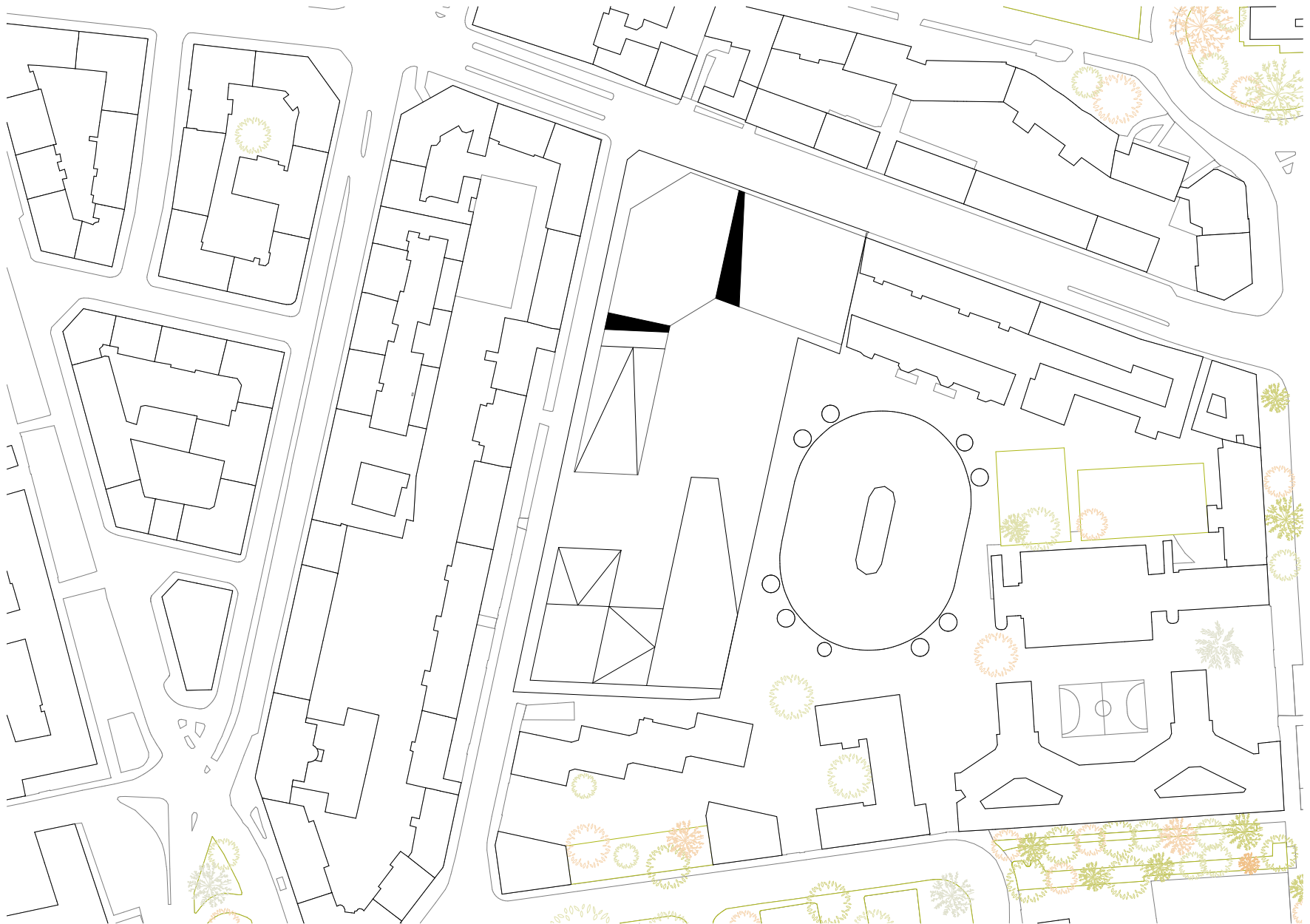


Concept **ACCESSIBLE RAMPS**



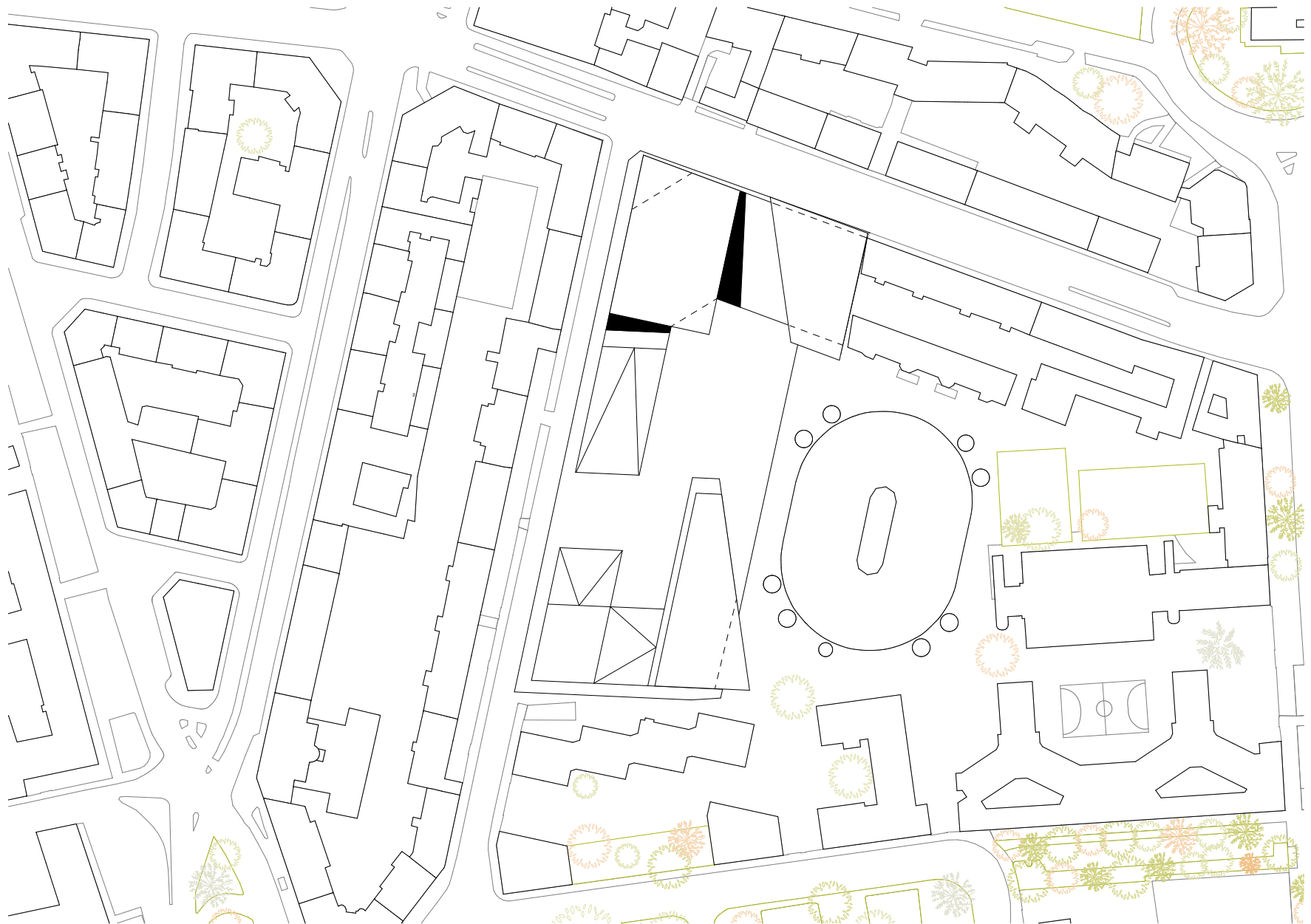
Concept

INTRODUCING DAYLIGHT



Concept

INTRODUCING CANTILEVERS



Concept **GREENERY**



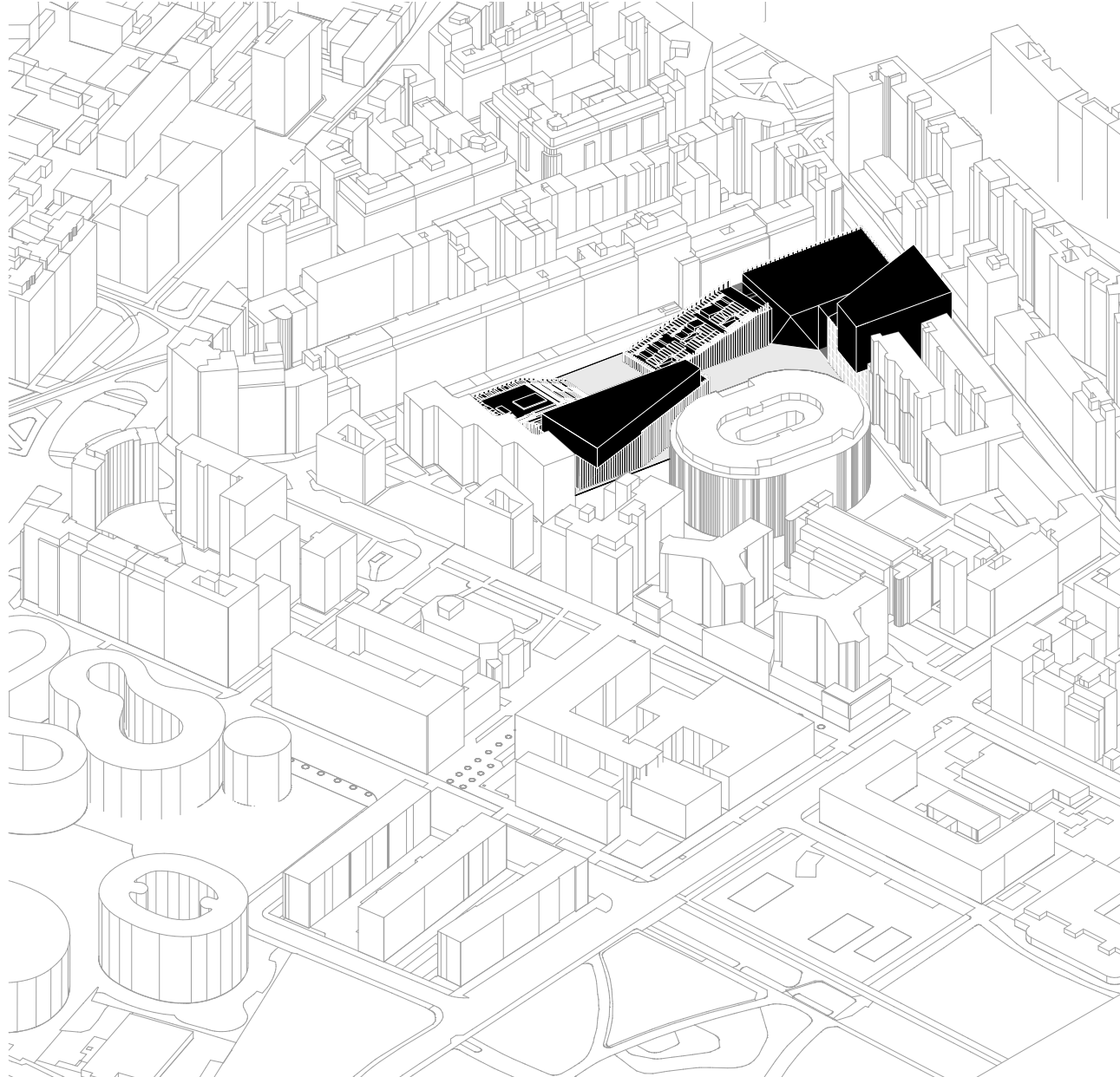
Concept WATER LAYER



Concept EVENT SPACE



Concept **VOLUME**



Concept

BOCCONI UNIVERSITY ACADEMIC CALENDAR

Fast-paced

Graduation days

SI Lab DONDENA Workshop

Isole Sonore - Gile Bae in concert

Bocconi Research Night

Slow-paced

Graduation days

Opening Ceremony of the Academic Year

Isole Sonore - Blind Date - Concert in the Dark
by Cesare Picco

IEP@BU ANNUAL EVENT

From Data to Action: Homelessness Policies
and Perspectives in the EU

Graduate Open Days

The Future of EU Environmental Law and Policies

Associations on Display

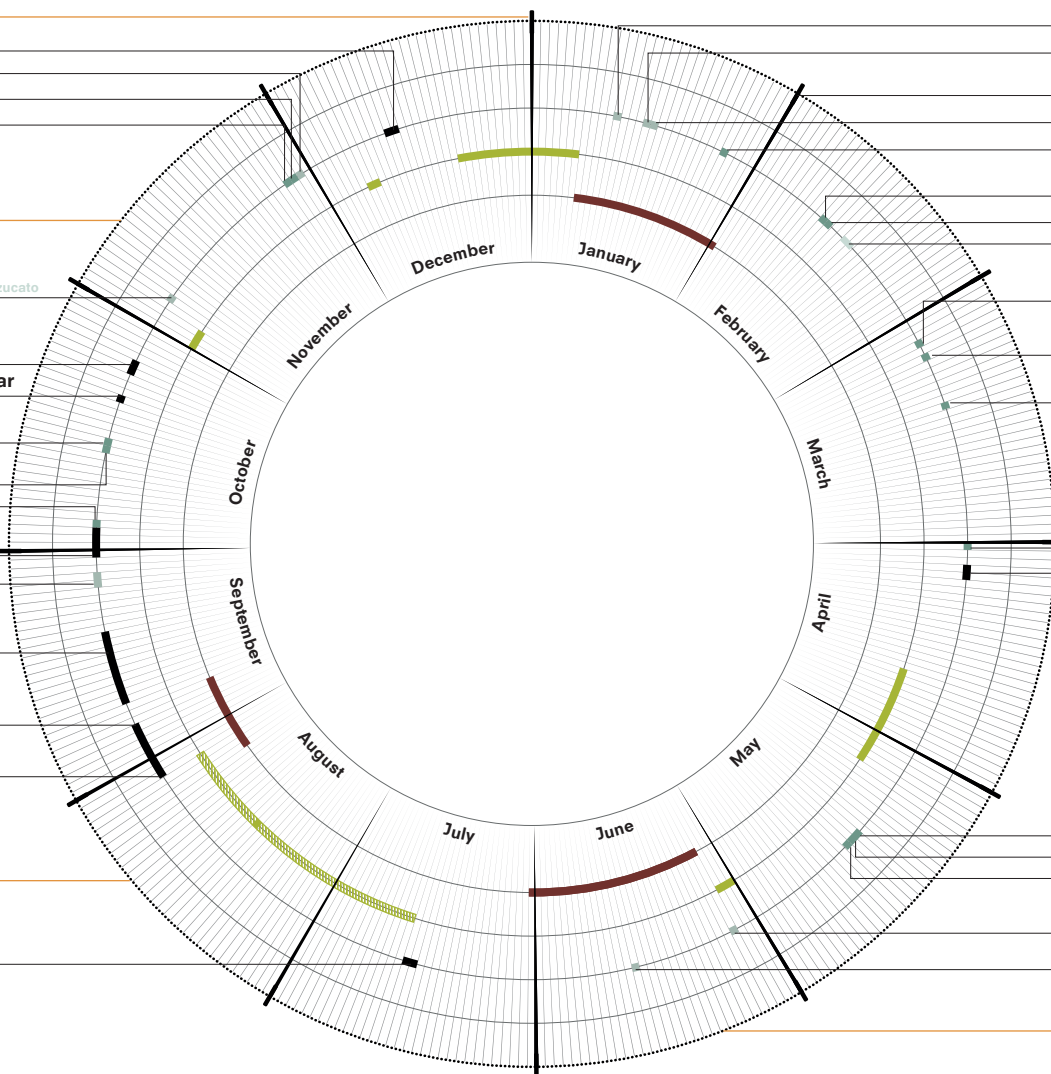
Opening Ceremony of the Academic Year

Welcome week

Slow-paced

Graduation days

- Events in other spaces in Via Roentgen Building
- Events in Aula Magna
- Holidays
- Exam sessions



1927-2027 100 anni di 'battaglie delle nascite' in Italia

AI COMPETITION AND MARKETS

Start of the 2nd Semester

La ricchezza e le nazioni: economia, istituzioni, cultura

Isole Sonore - Shai Maestro in concert

LVMH 2025 CONFERENCE

Isole Sonore - "Pagine di Diario" by Luigi Carroccia

Associations on Display

Europe's Place in a Changing International Order
- Event in Memory of Achille Boroli

Changed by Women

Isole Sonore - "Mirrors" by Fanny Azzuro and
Andrea Manzoni

JURISTS' DAY 2025

Graduation days

Musical: "One Normal Night with the Addams"

Performing Arts Night 2025

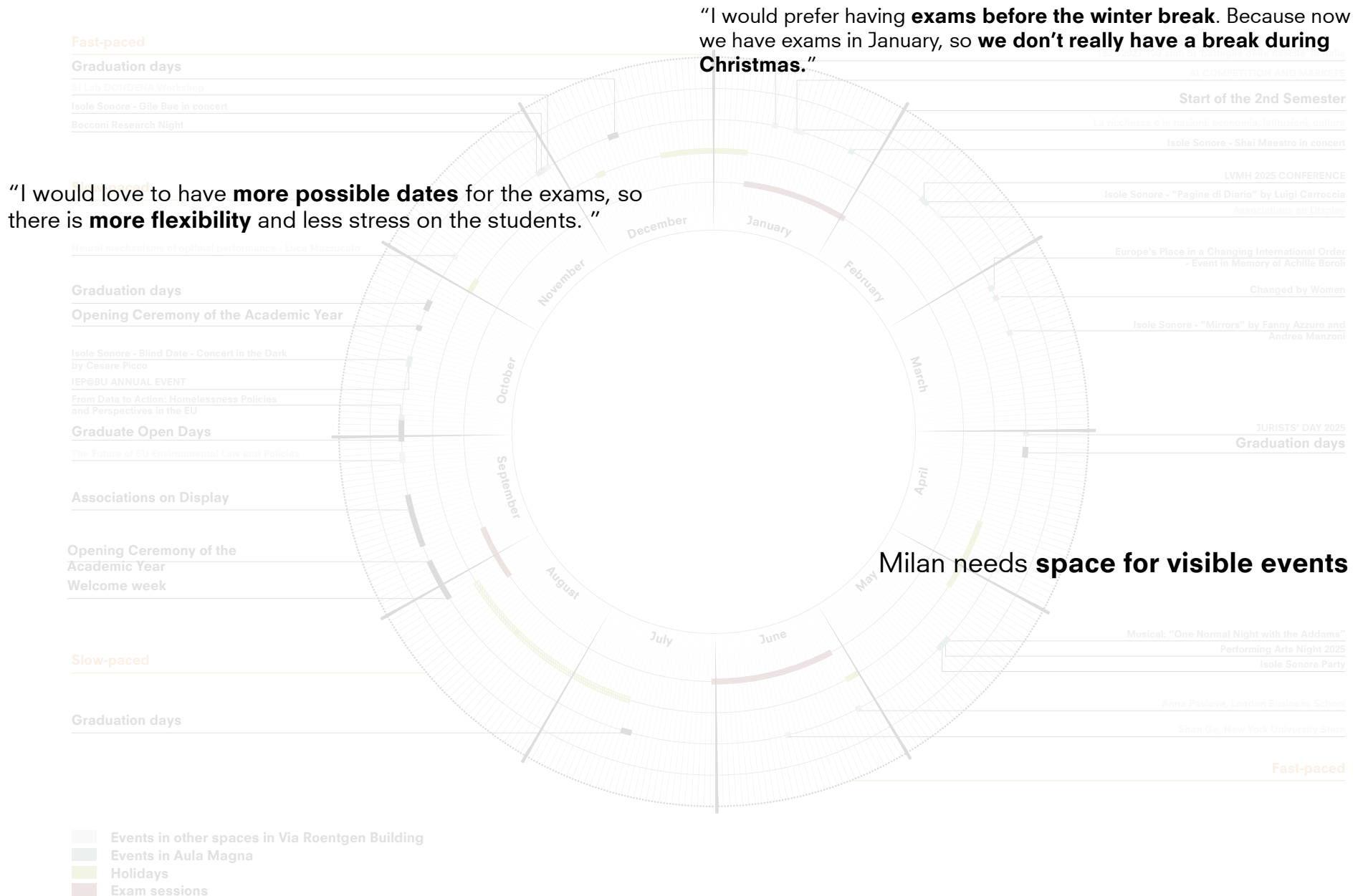
Isole Sonore Party

Anna Pavlova, London Business School

Shan Ge, New York University Stern

Fast-paced

BOCCONI UNIVERSITY ACADEMIC CALENDAR



Concept

BOCCONI UNIVERSITY ACADEMIC CALENDAR

Christmas Design Exhibitions / Christmas Fashion Pop Up Stores

Research Events

Graduation days

SI Lab DONDENA Workshop

Isole Sonore - Gile Bae in concert

Bocconi Research Night

Milan Christmas Market

Slow-paced

Neural mechanisms of optimal performance - Luca Mazzucato

Graduation days

Opening Ceremony of the Academic Year

Isole Sonore - Blind Date - Concert in the Dark

by Cesare Picco

IEP@BU ANNUAL EVENT

From Data to Action: Homelessness Policies

and Perspectives in the EU

Graduate Open Days

The Future of EU Environmental Law and Policies

Associations on Display

Opening Ceremony of the Academic Year

Welcome week

Slow-paced

Harvesting Weeks

Graduation days

Idroscalo Summer Cinema

Very Short Film Festival

Start of the 2nd Trimester

1927-2027 100 anni di 'battaglie delle nascite' in Italia

AI COMPETITION AND MARKETS

La ricchezza e le nazioni: economia, istituzioni, cultura

Isole Sonore - Shai Maestro in concert

LVMH 2025 CONFERENCE

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Associations on Display

Europe's Place in a Changing International Order

- Event in Memory of Achille Boroli

Changed by Women

Isole Sonore - "Mirrors" by Fanny Azzuro and
Andrea Manzoni

Fast-paced

Squardi Altrove Film Festival

Milano MuseoCity

JURISTS' DAY 2025

Graduation days

Seed Planting Weeks

Start of the 3rd Trimester

Networking events for students

Musical: "One Normal Night with the Addams"

Performing Arts Night 2025

Isole Sonore Party

Anna Pavlova, London Business School

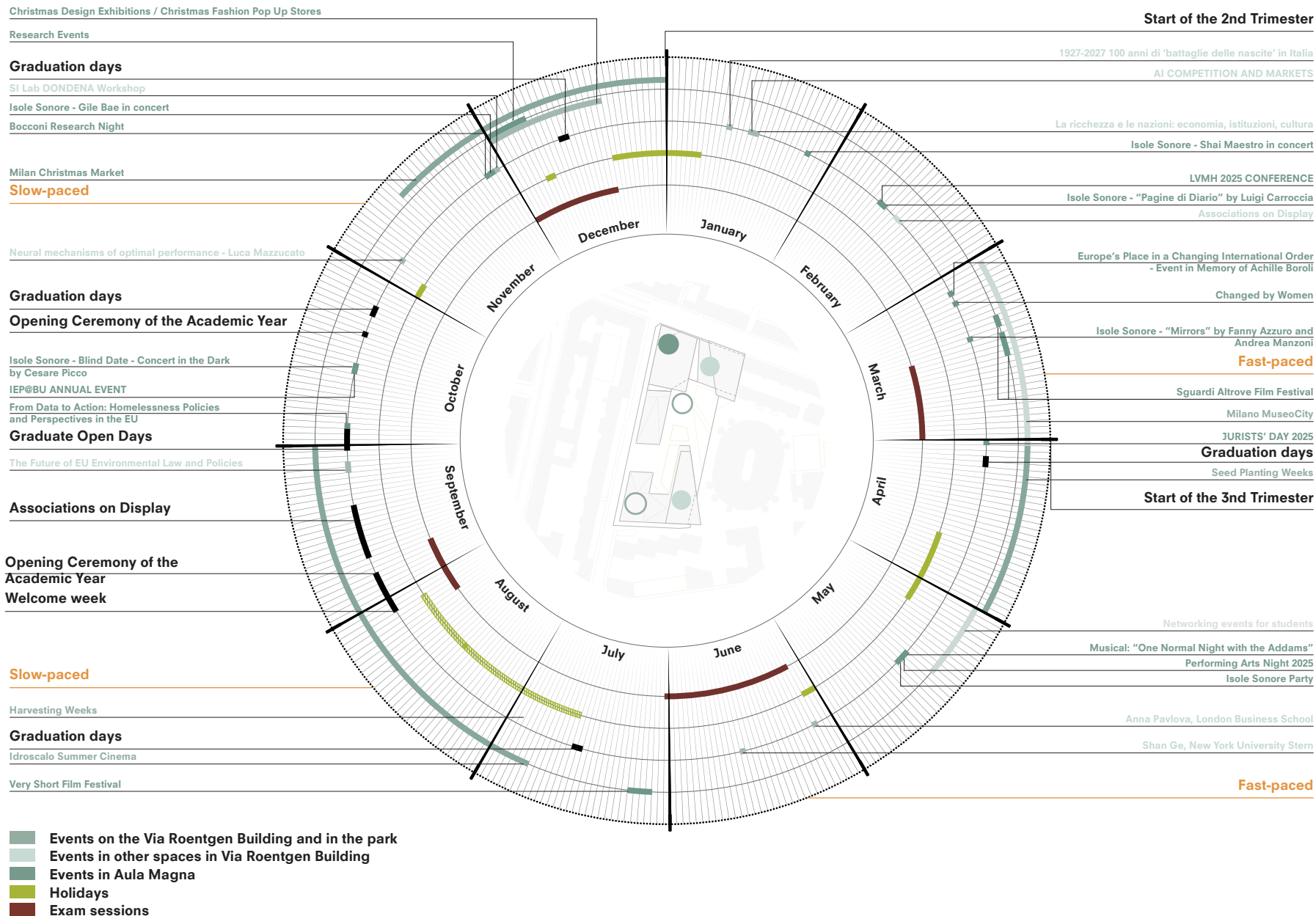
Shan Ge, New York University Stern

Fast-paced

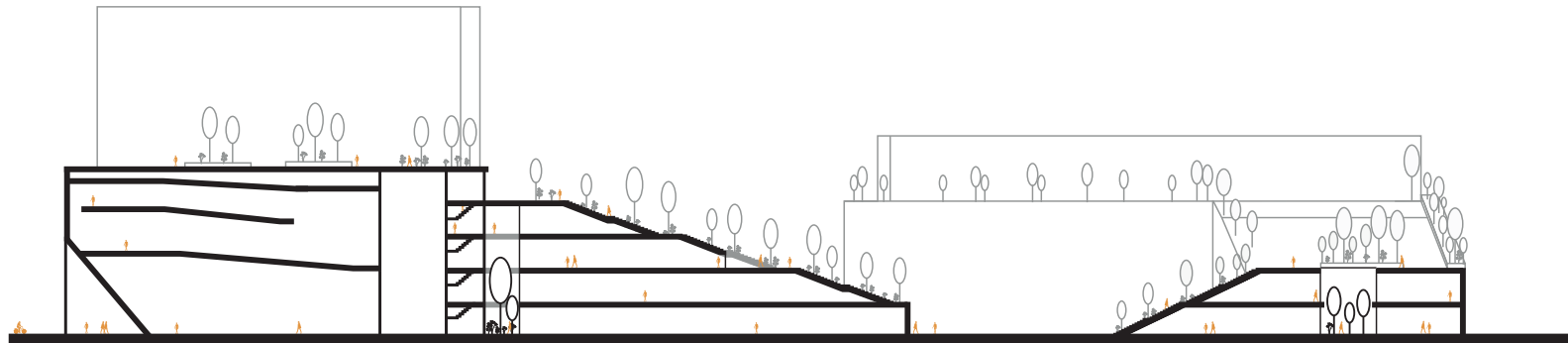
- Events on the Via Roentgen Building and in the park
- Events in other spaces in Via Roentgen Building
- Events in Aula Magna
- Holidays
- Exam sessions

Concept

BOCCONI UNIVERSITY ACADEMIC CALENDAR



Concept **SECTION**

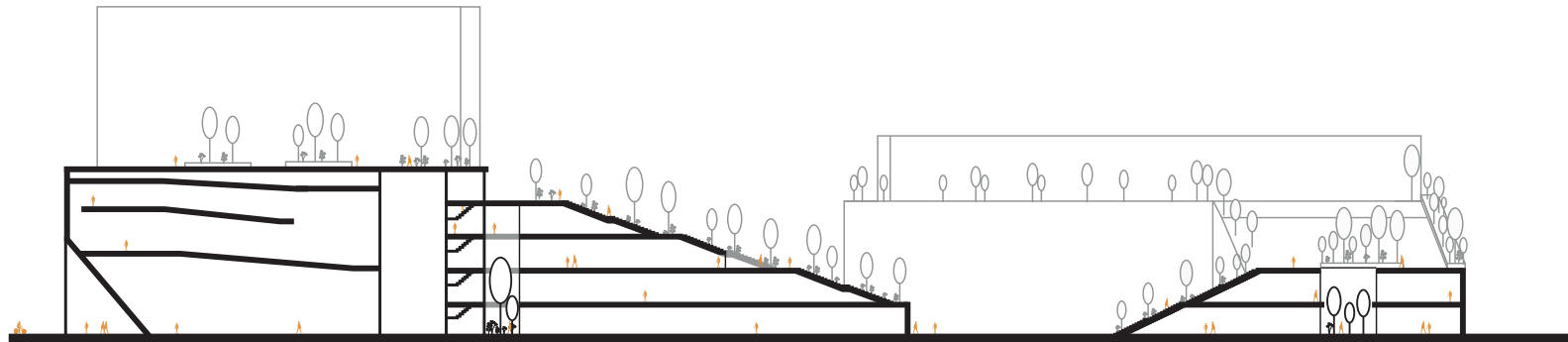


Concept

PROGRAMME DIVISION

Staff & Public

Students & Staff

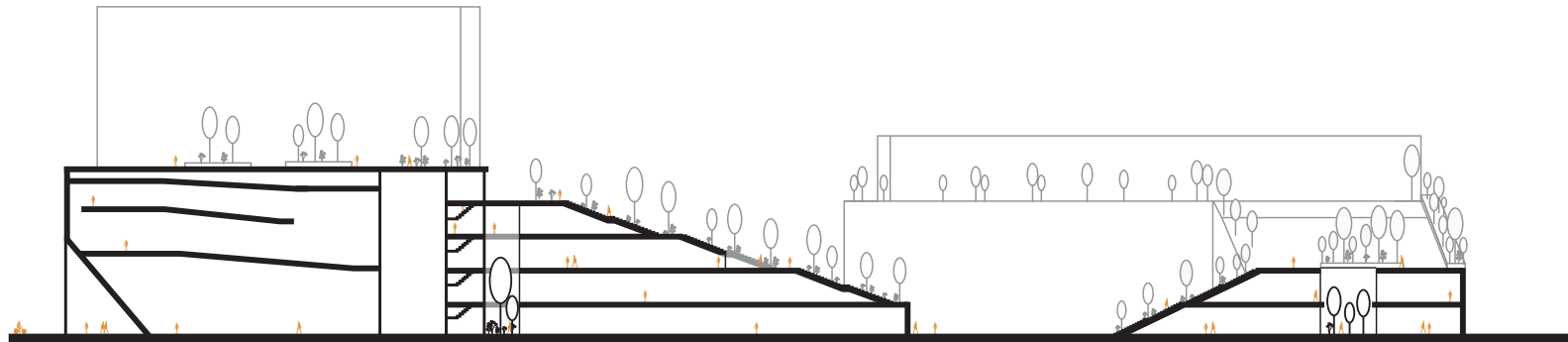


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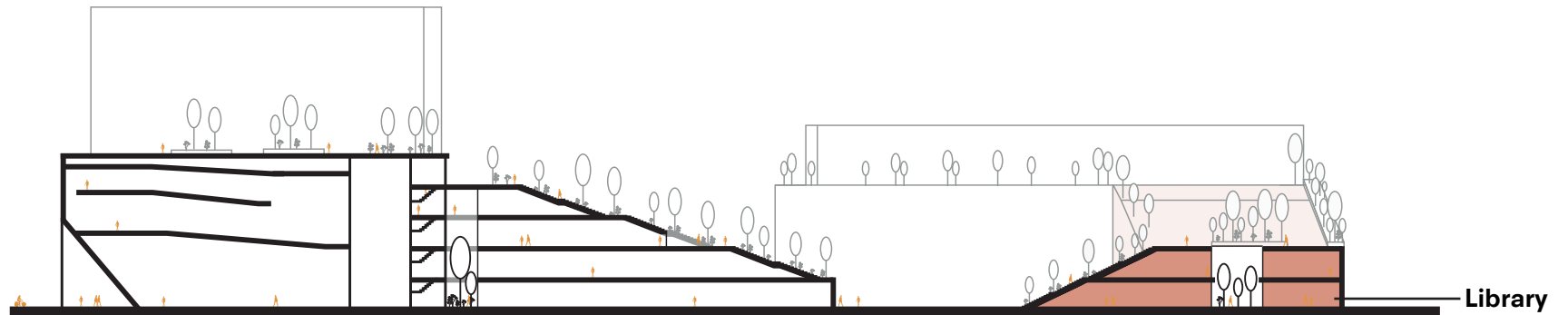
PRIVATE & PUBLIC RAMPS

Private Ramp

Public Ramp

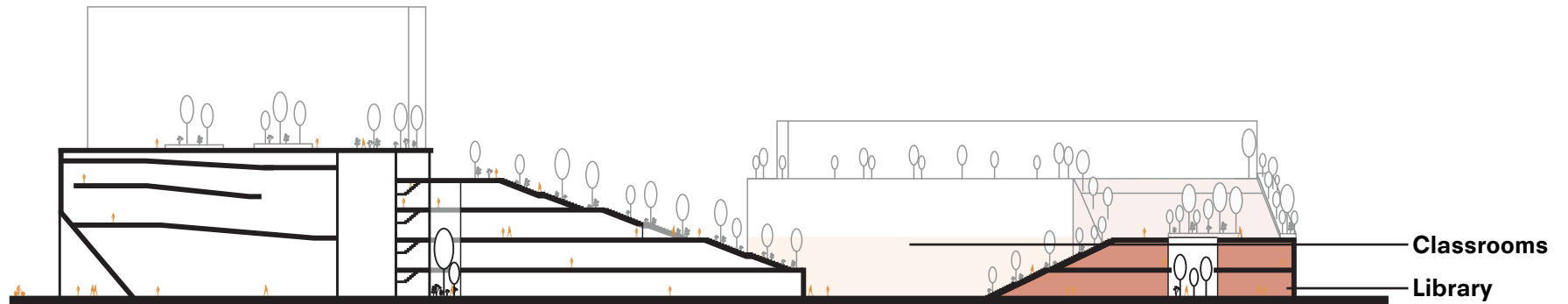


Concept PROGRAMME



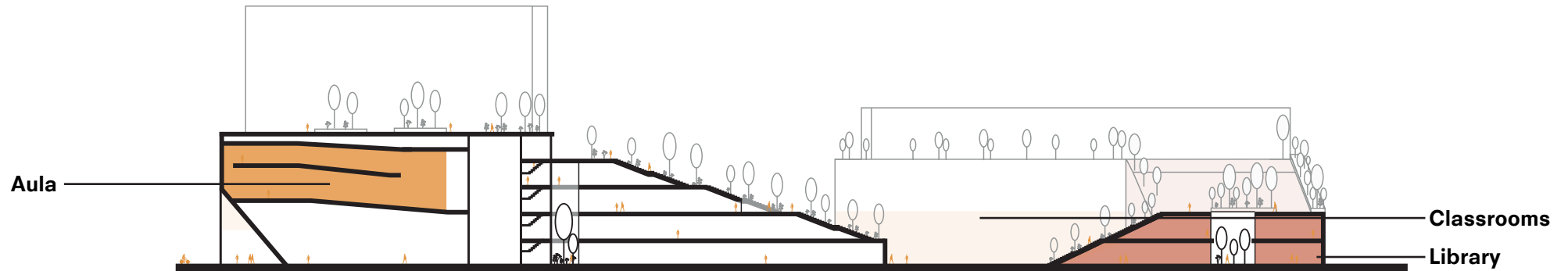
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PROGRAMME



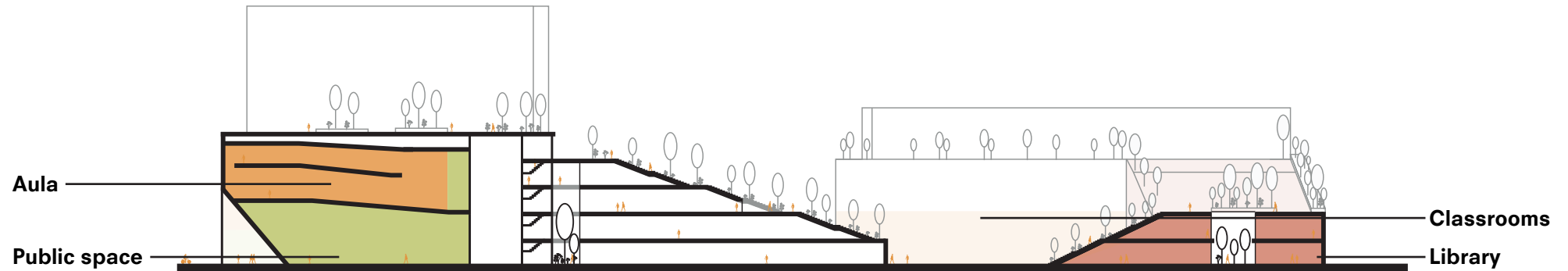
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PROGRAMME

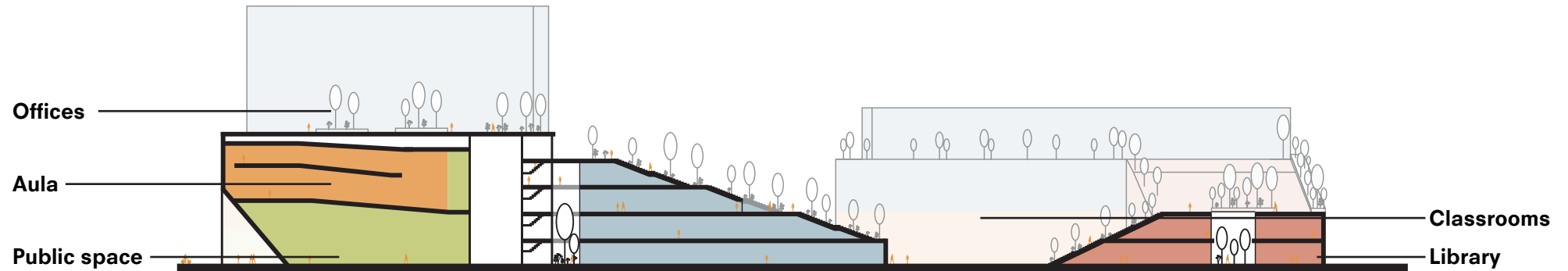


Concept

PROGRAMME



Concept PROGRAMME



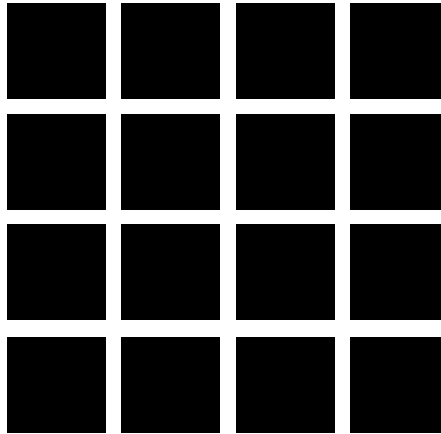
Concept

PLAN ORGANISATION CONCEPT



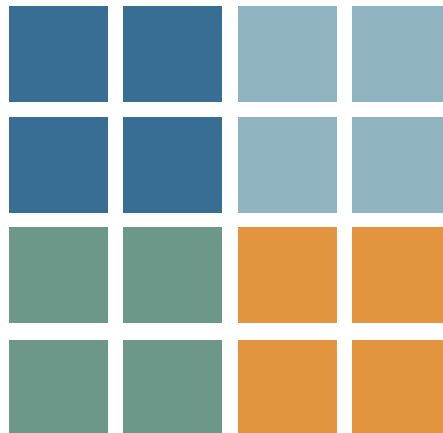
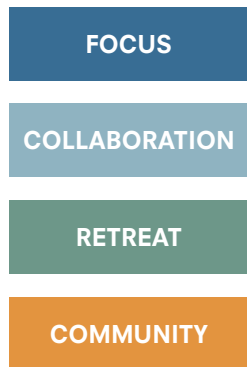
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PLAN ORGANISATION CONCEPT



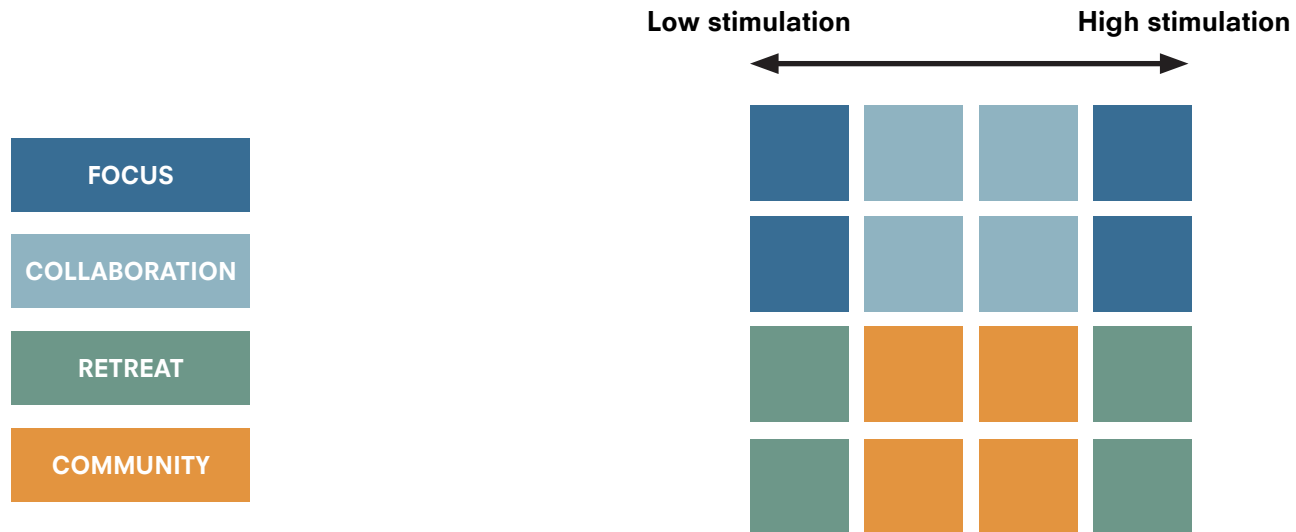
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PLAN ORGANISATION CONCEPT



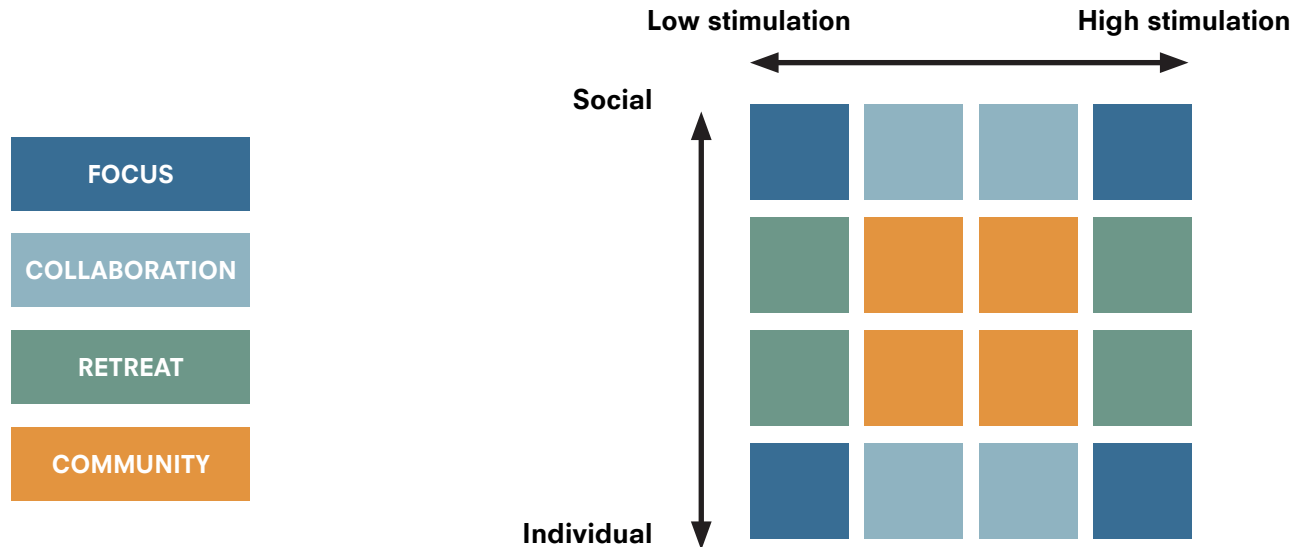
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PLAN ORGANISATION CONCEPT



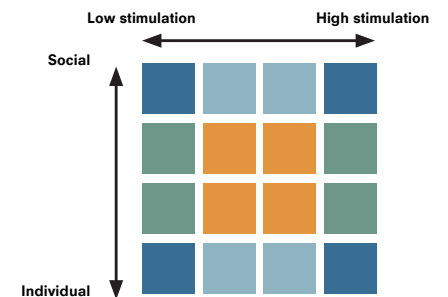
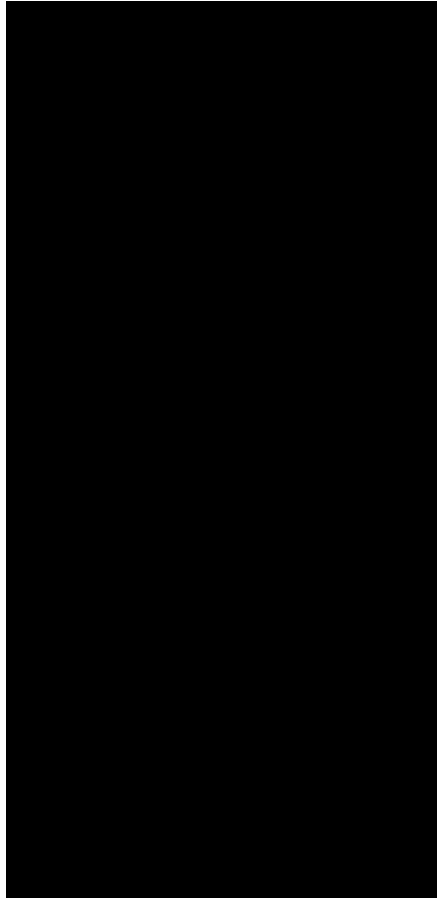
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PLAN ORGANISATION CONCEPT

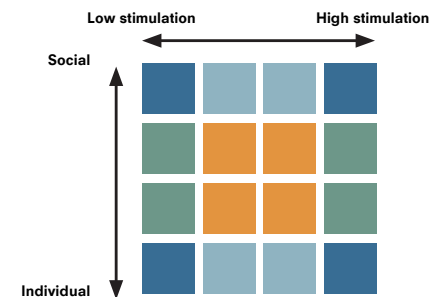


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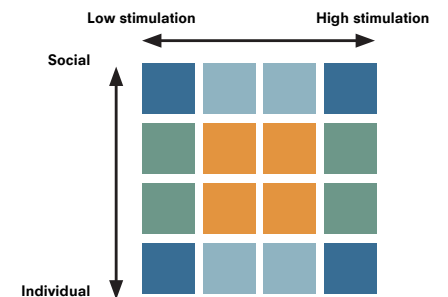


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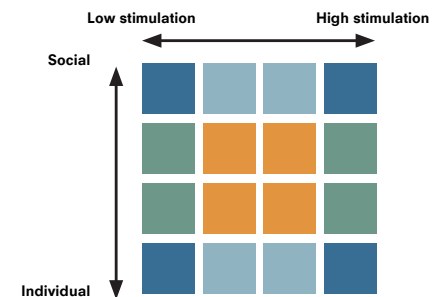
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PLAN ORGANISATION CONCEPT



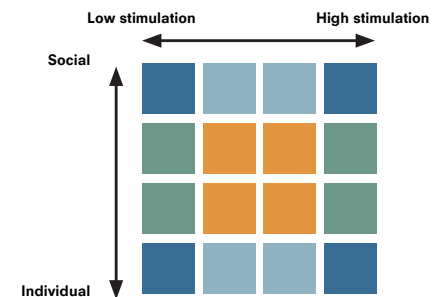
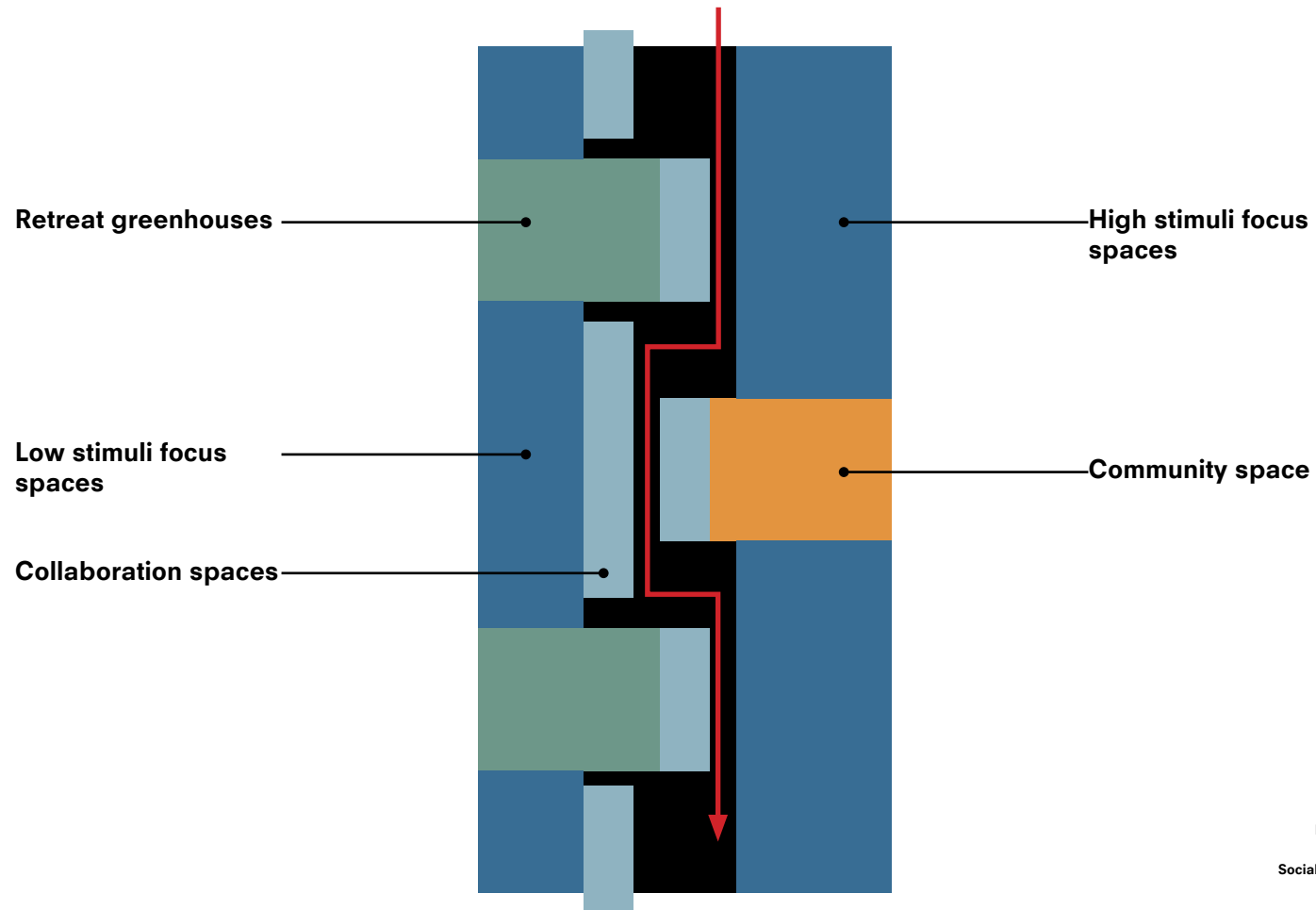
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PLAN ORGANISATION CONCEPT



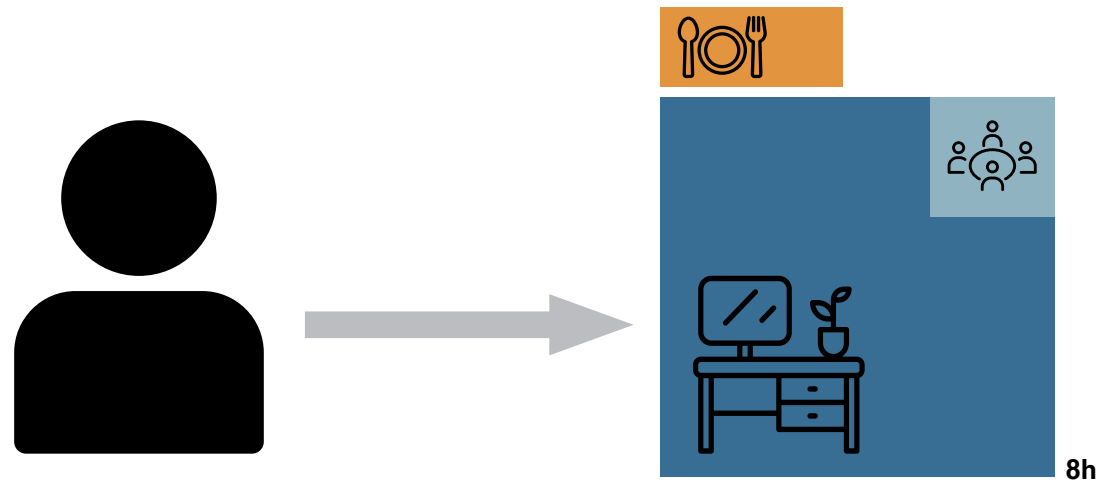
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PLAN ORGANISATION CONCEPT

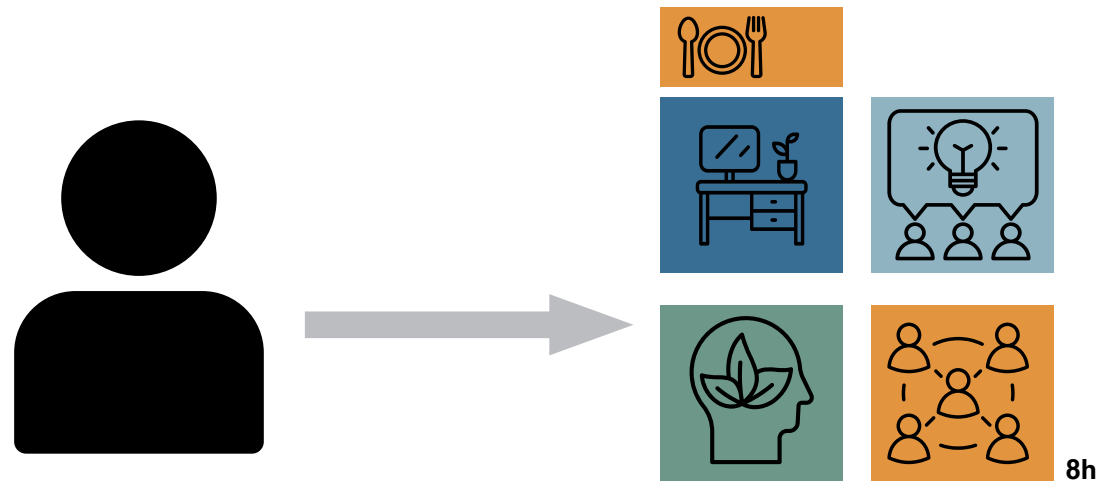


Concept

FROM DESKBOUND WORKPLACES



Concept TO SUSTAINABLE PERFORMANCE



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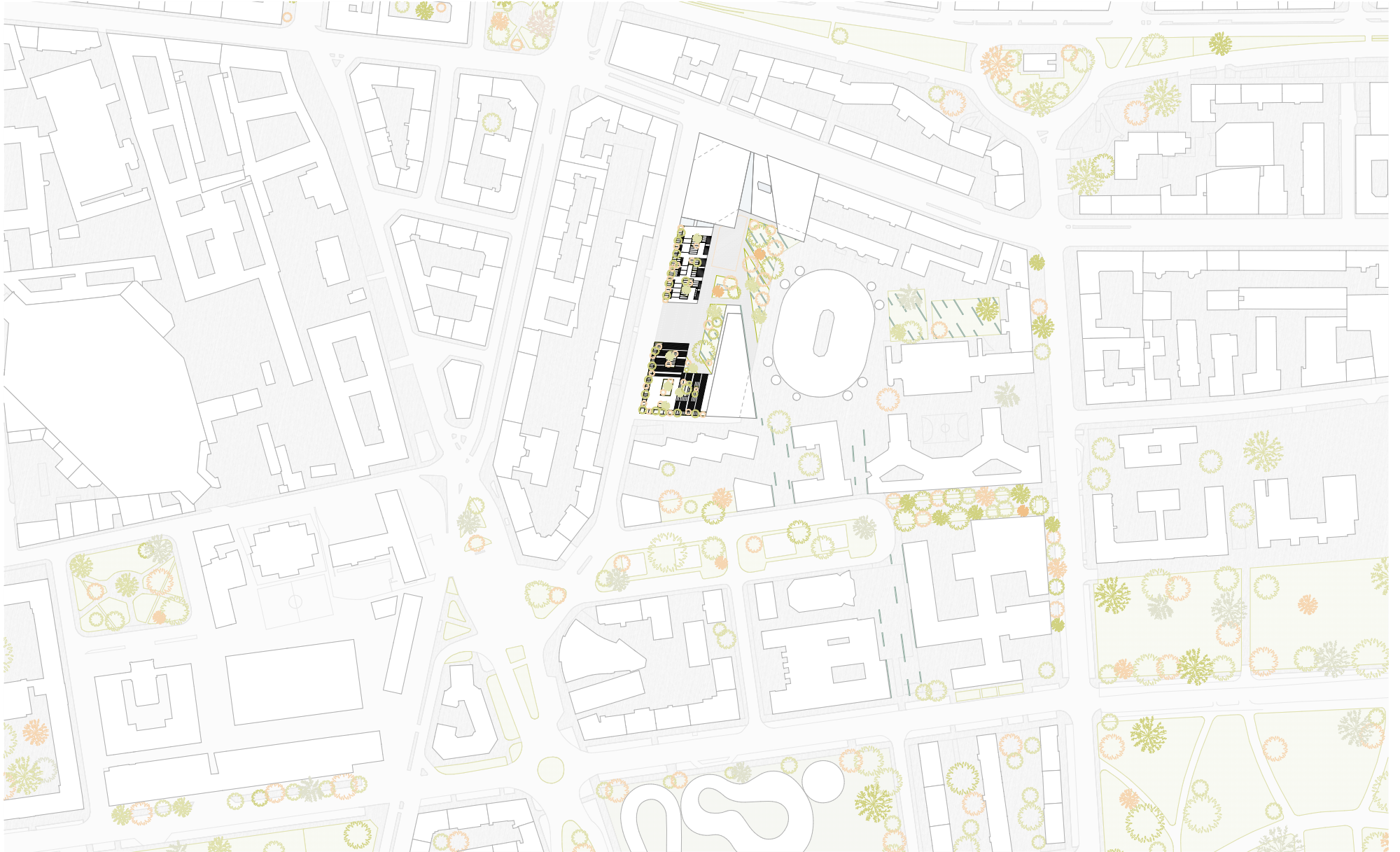
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DESIGN IMPLEMENTATION

CONCLUSION

Design Implementation

MASTERPLAN 1:1000

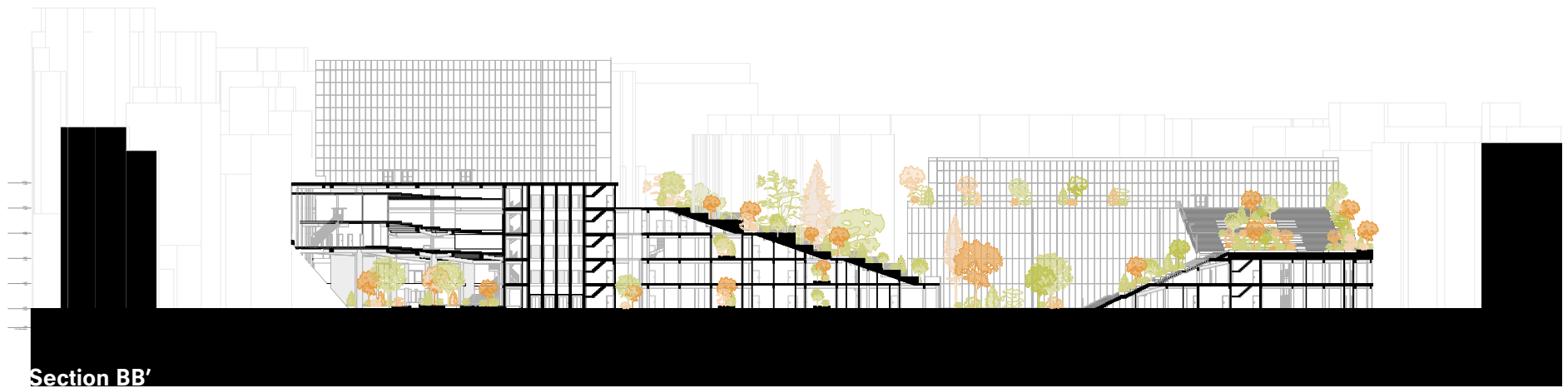
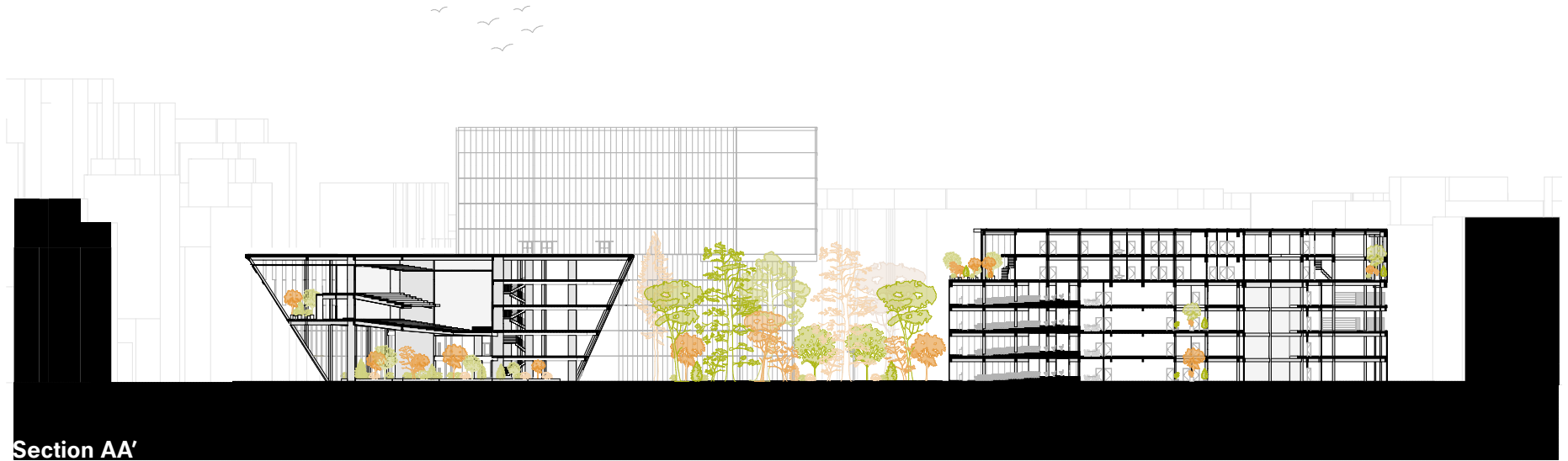


Design Implementation

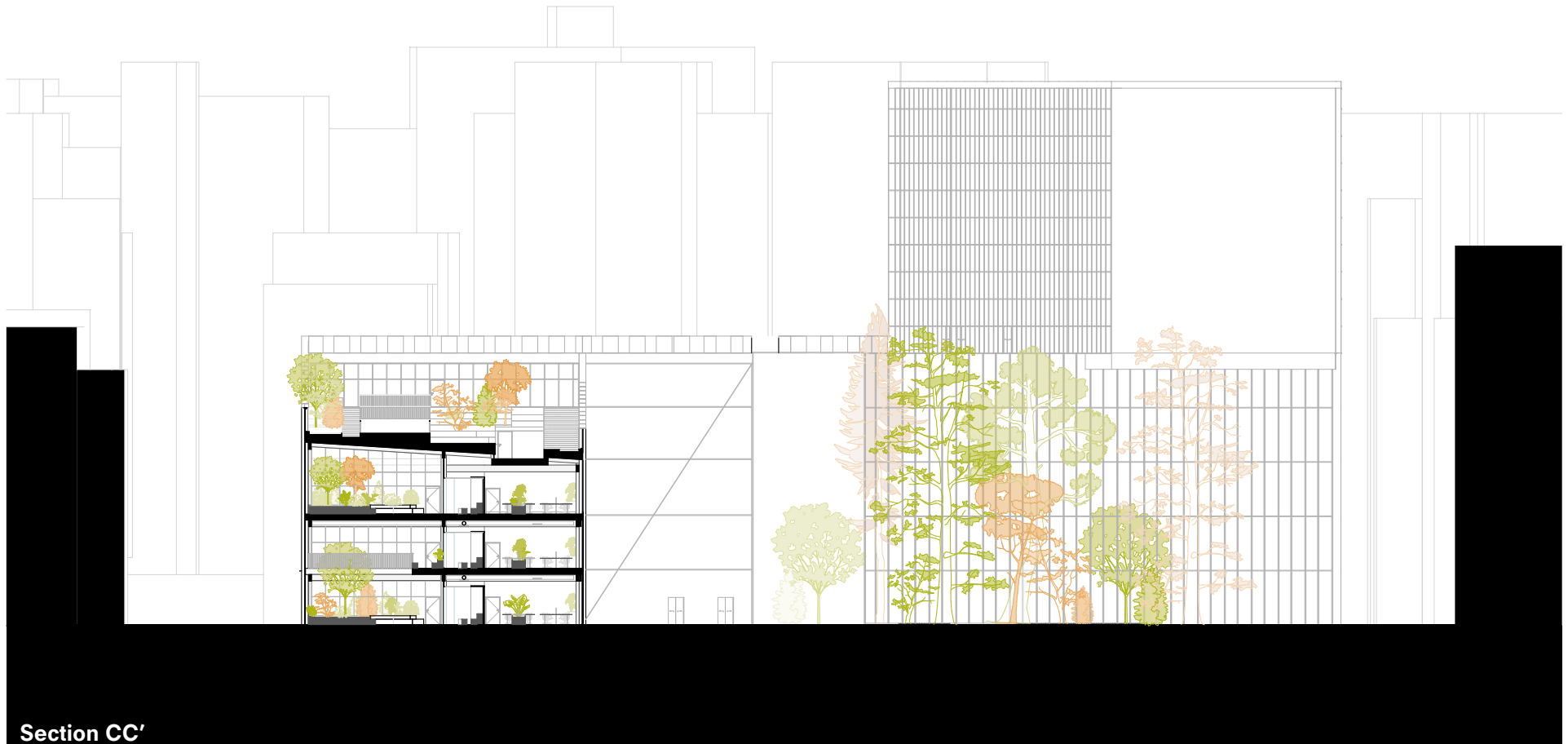
GROUND FLOOR PLAN



Design Implementation
SECTIONS 1:200



Design Implementation
SECTIONS 1:200



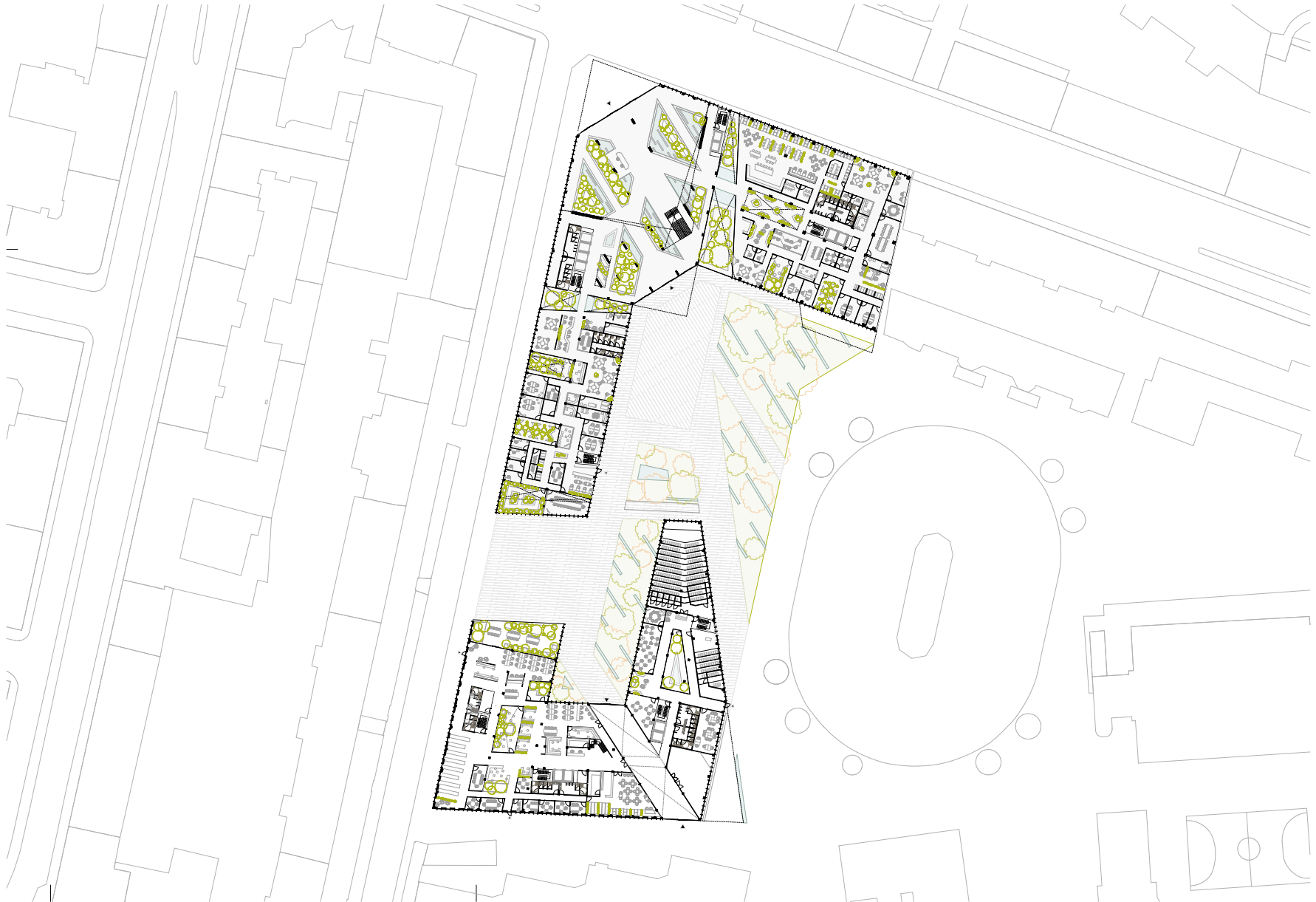
Design Implementation

COURTYARD VIEW



Design Implementation

GROUND FLOOR PLAN



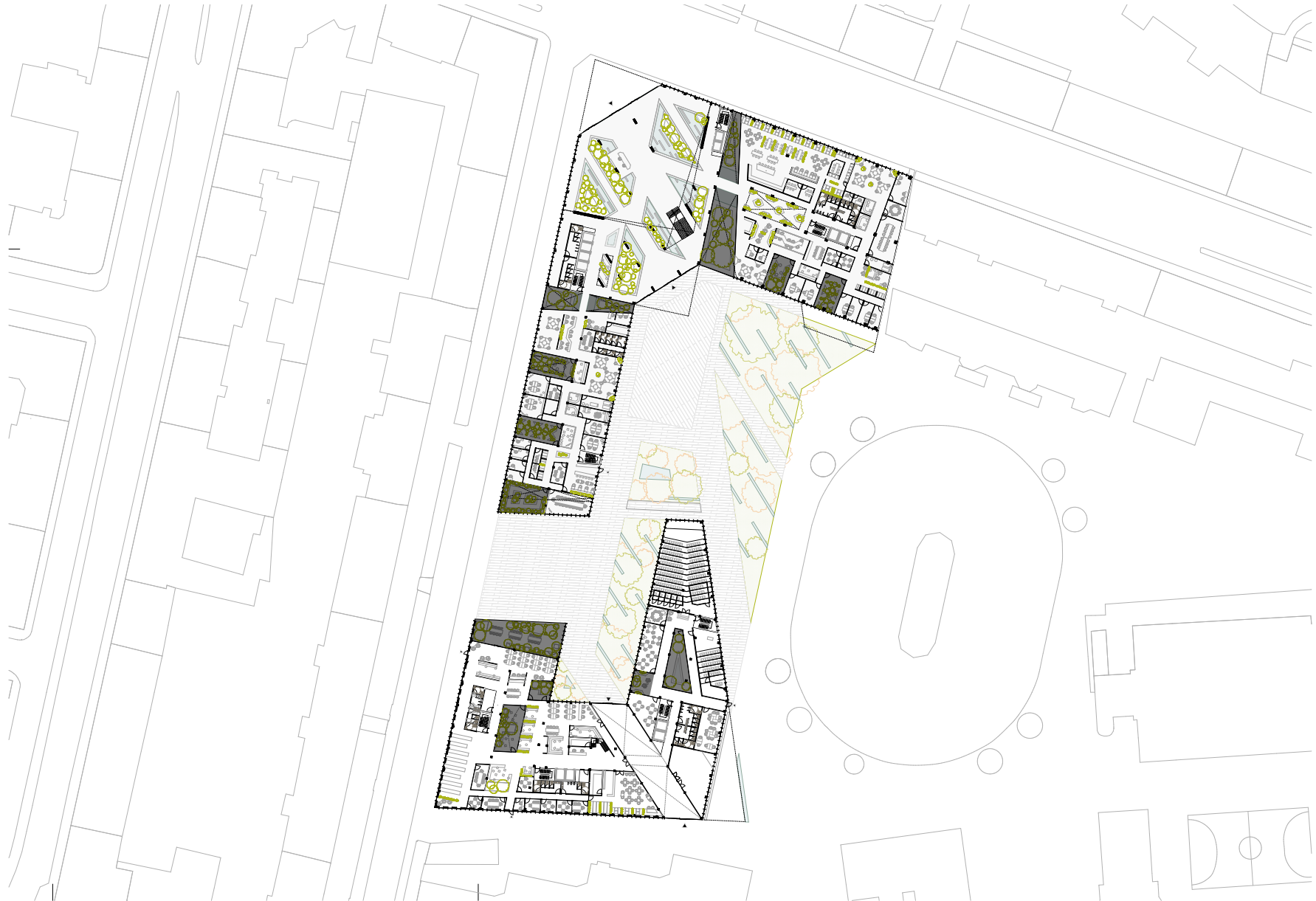
Design Implementation

MAIN CIRCULATION ROUTES



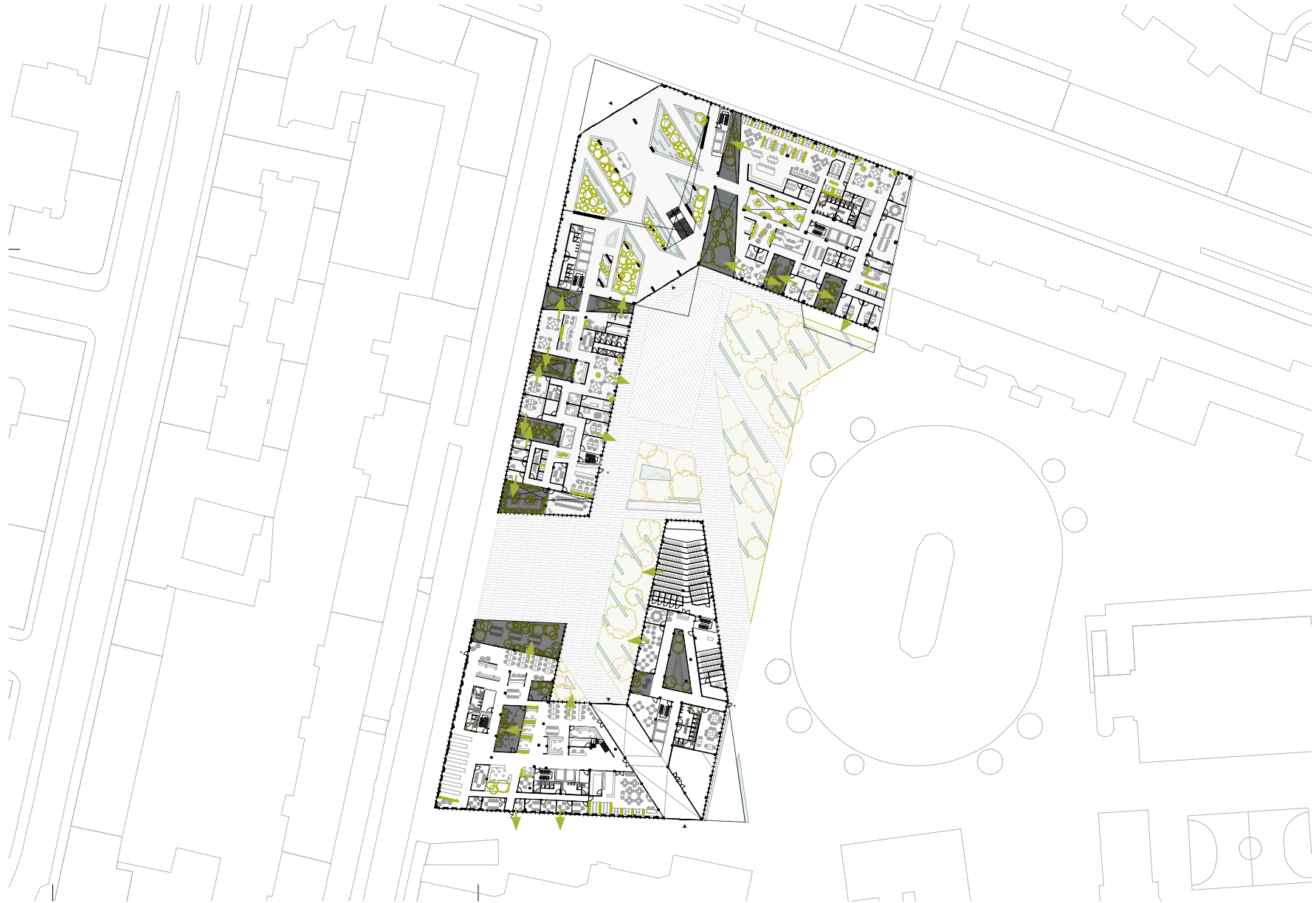
Design Implementation

RETREAT GARDENS



Design Implementation

RETREAT GARDENS



Design Implementation

GROUND FLOOR PLAN



Design Implementation

GROUND FLOOR PLAN



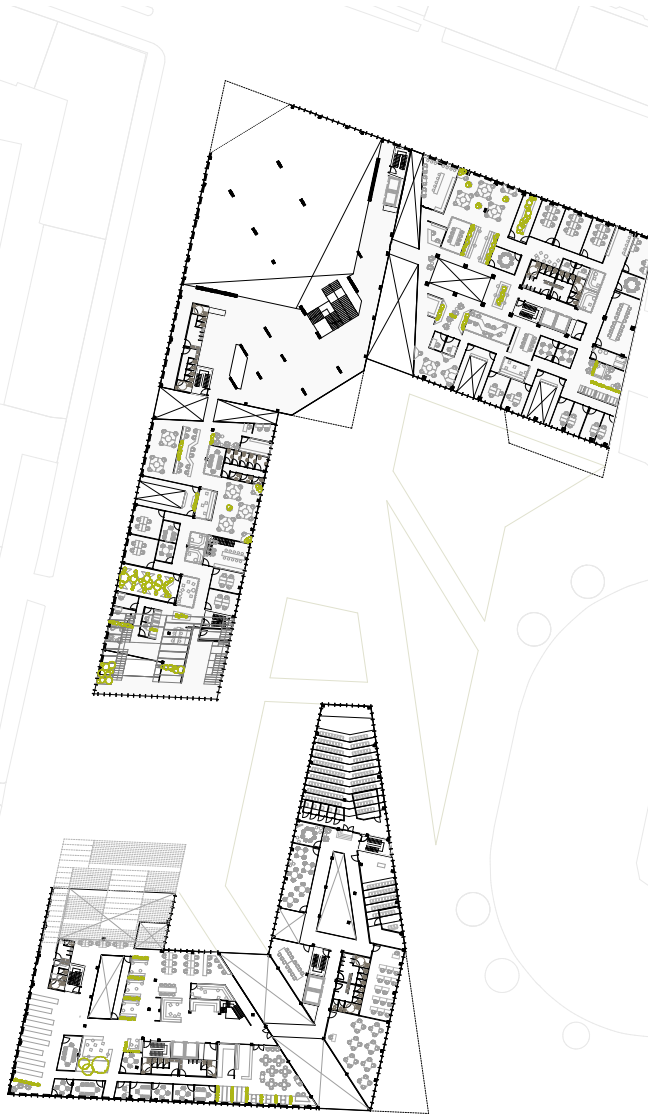
Design Implementation

GROUND FLOOR PLAN



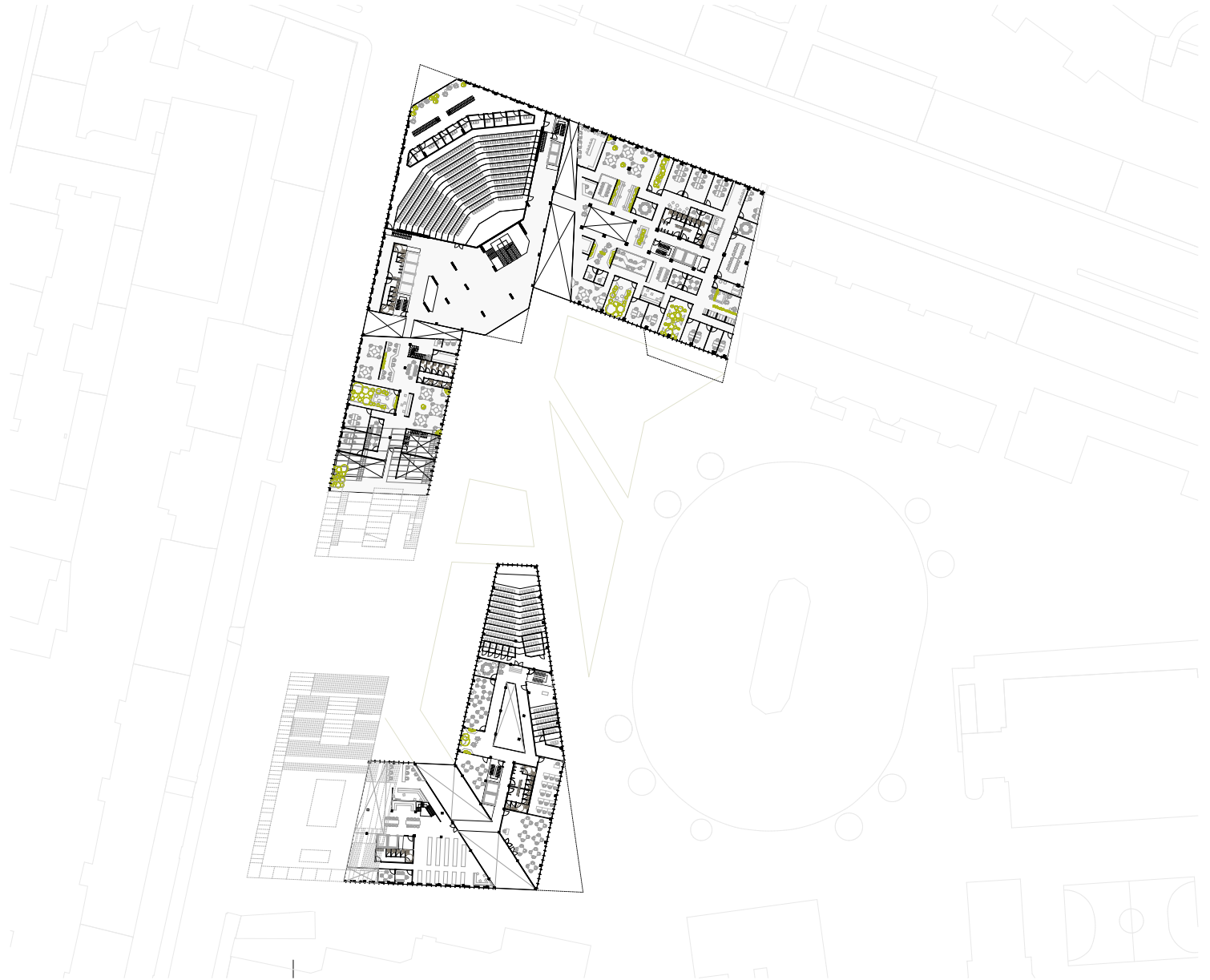
Design Implementation

FIRST FLOOR PLAN



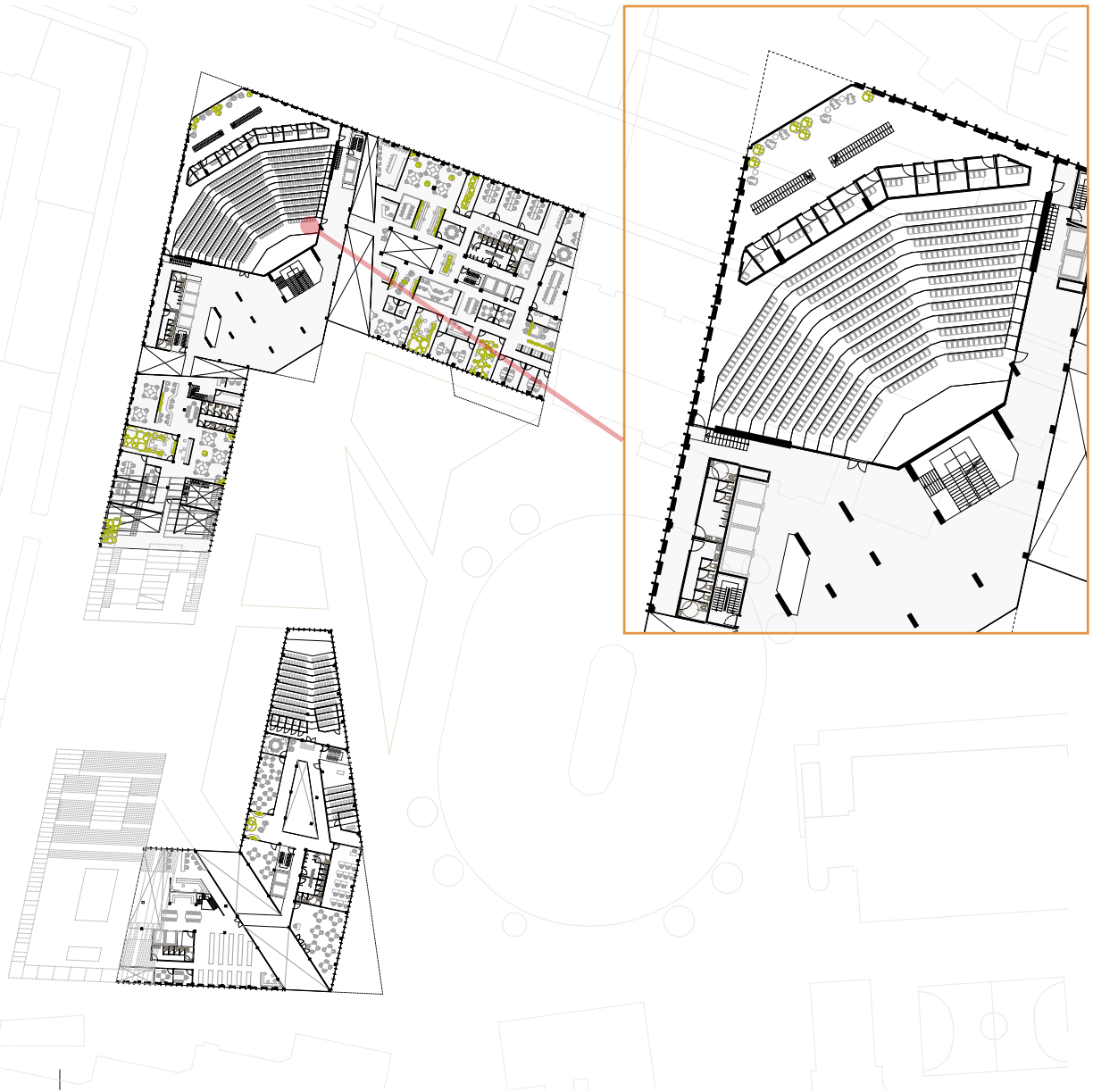
Design Implementation

SECOND FLOOR PLAN



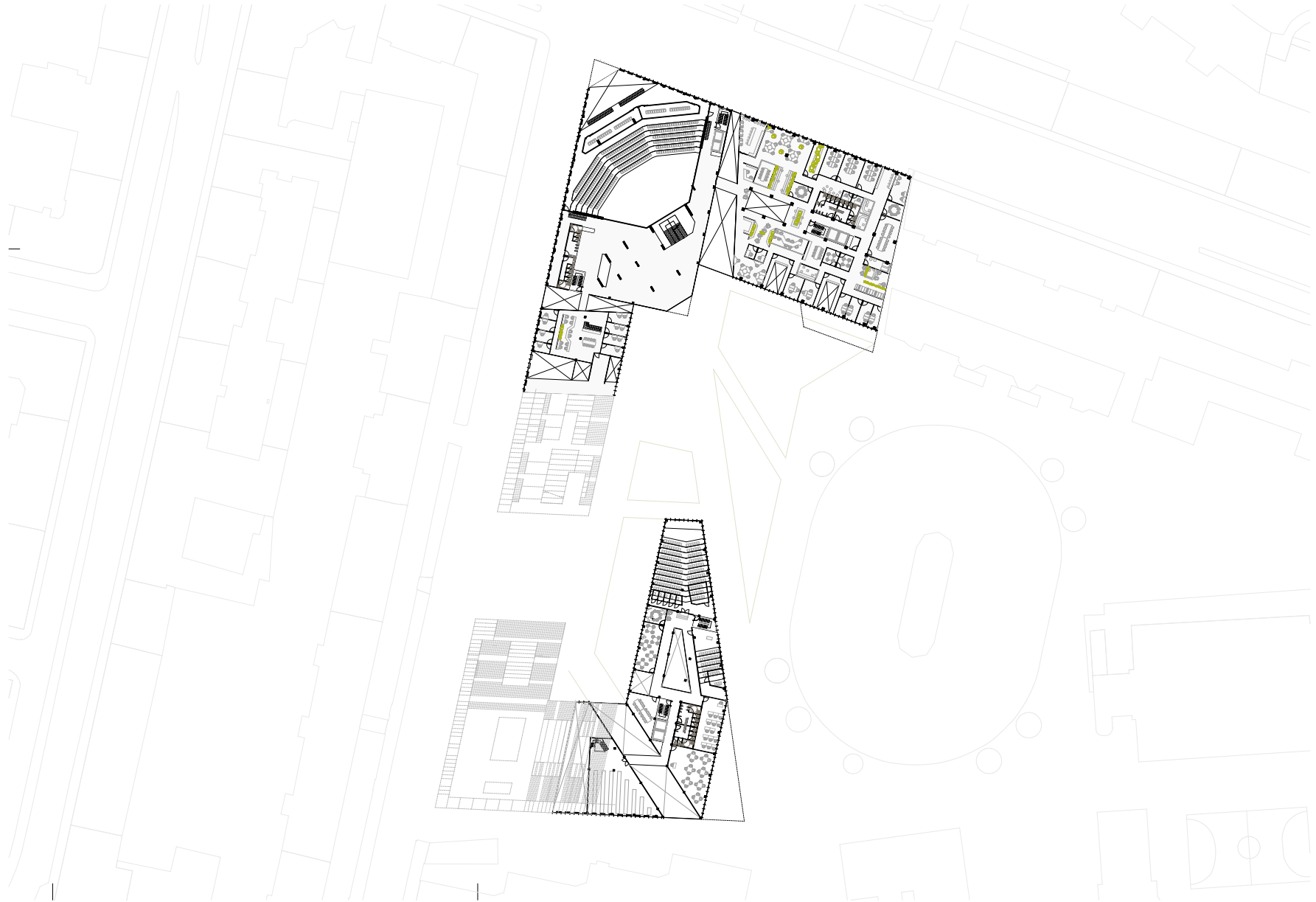
Design Implementation

SECOND FLOOR PLAN



Design Implementation

THIRD FLOOR PLAN



Design Implementation

FORTH FLOOR PLAN



Design Implementation

FIFTH FLOOR PLAN

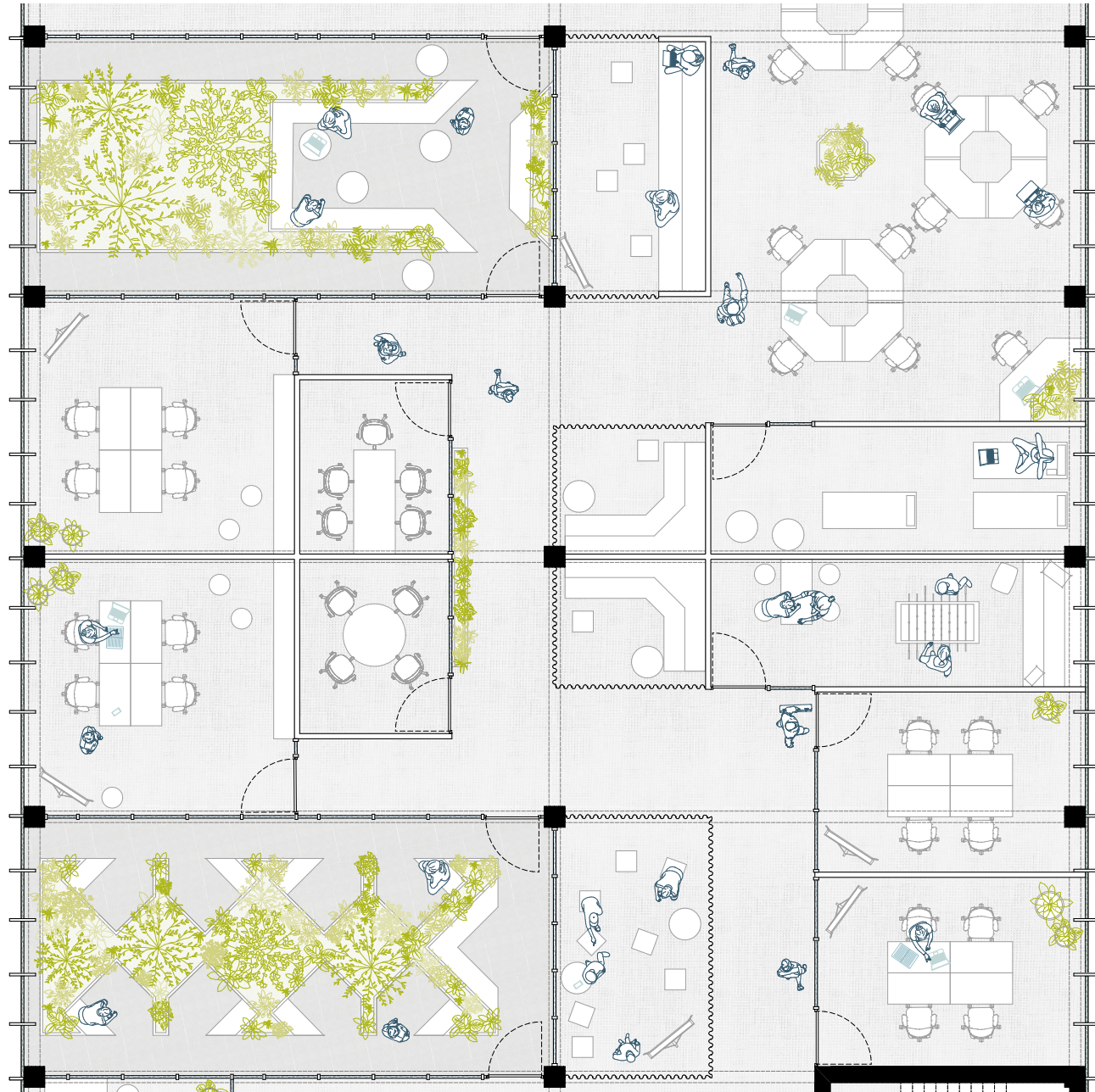


Design Implementation

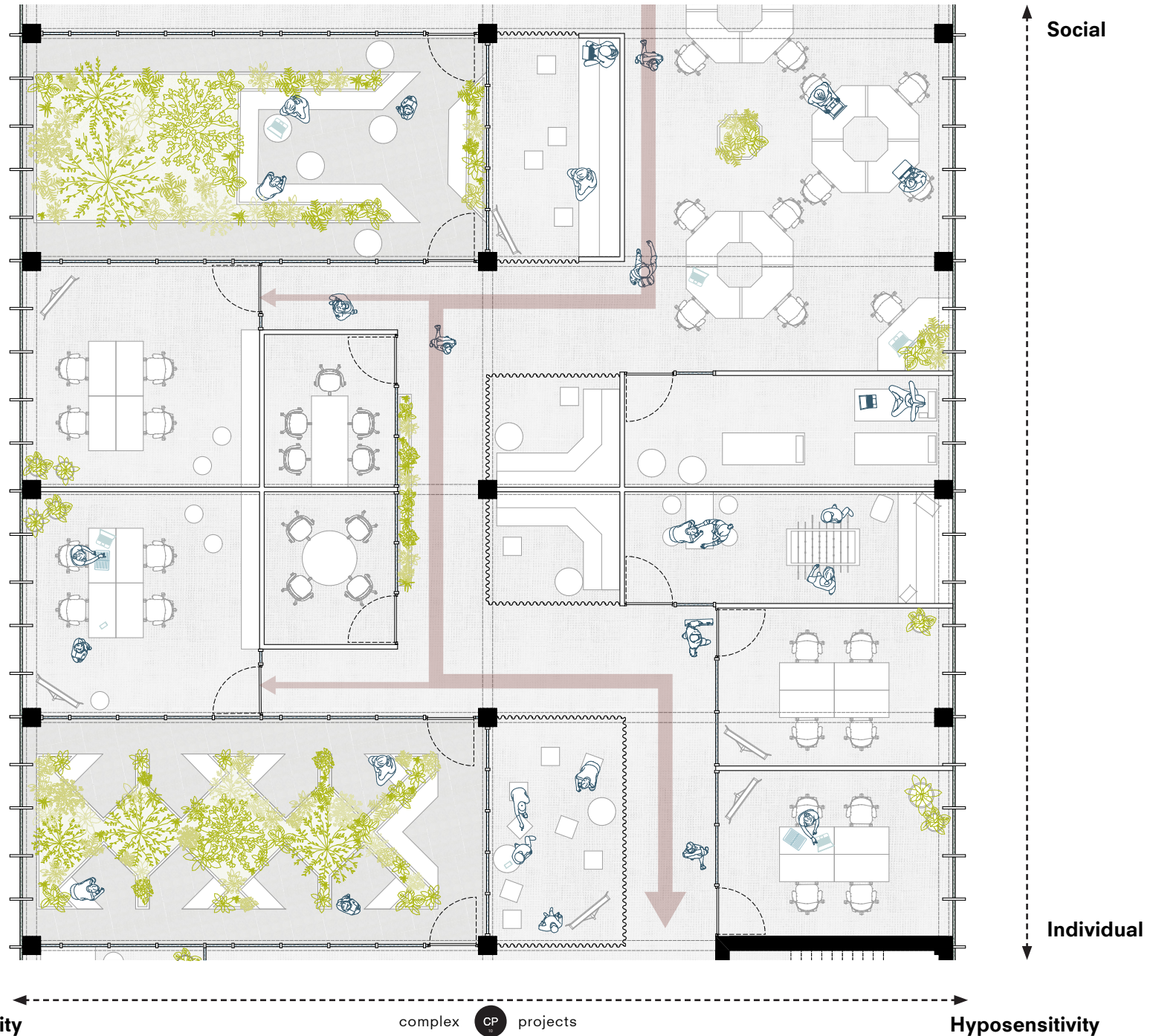
SIXTH FLOOR PLAN



PLAN 1:50

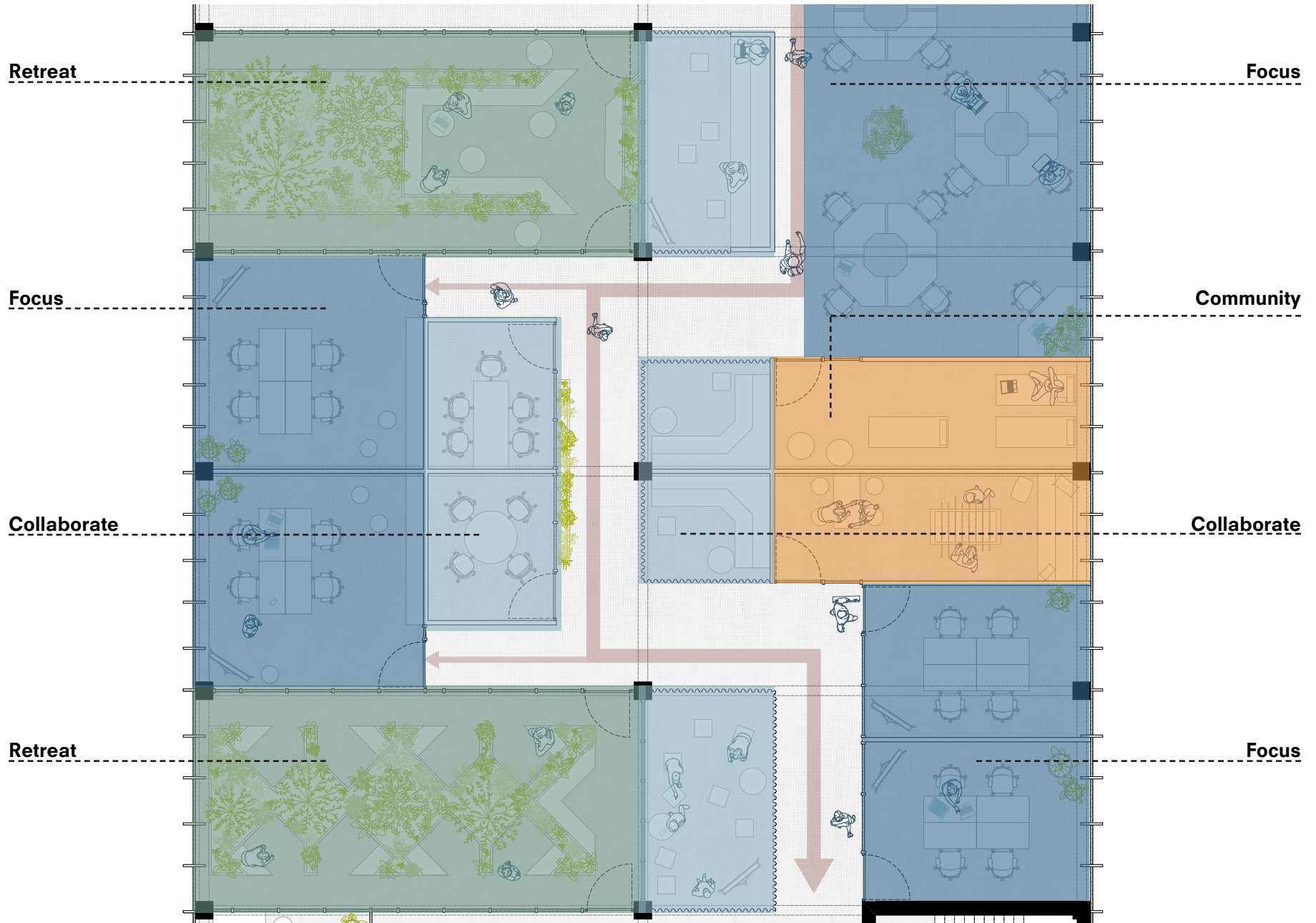


PLAN 1:50- MAIN CIRCULATION ROUTES



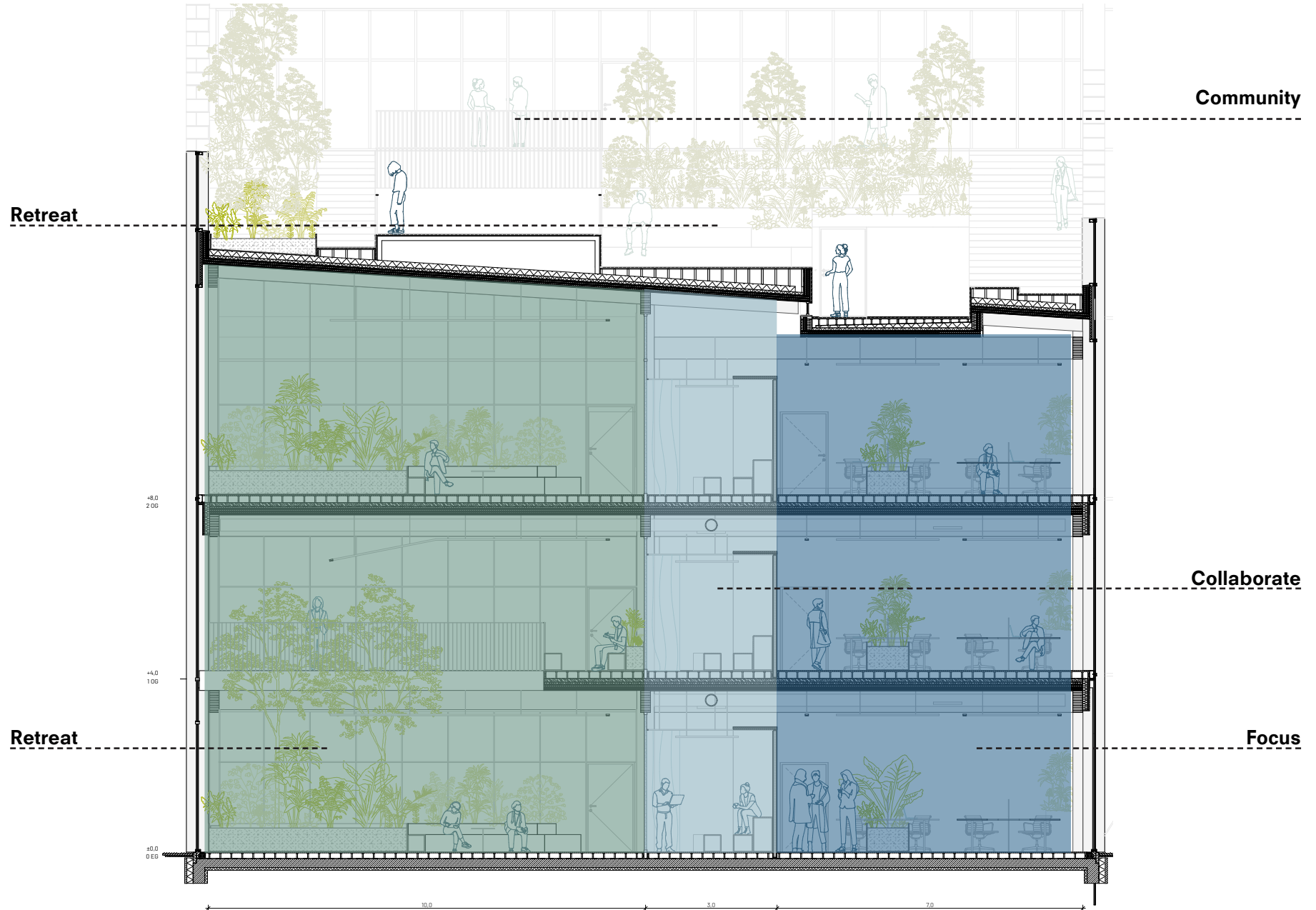
Design Implementation

PLAN 1:50- PROGRAMME

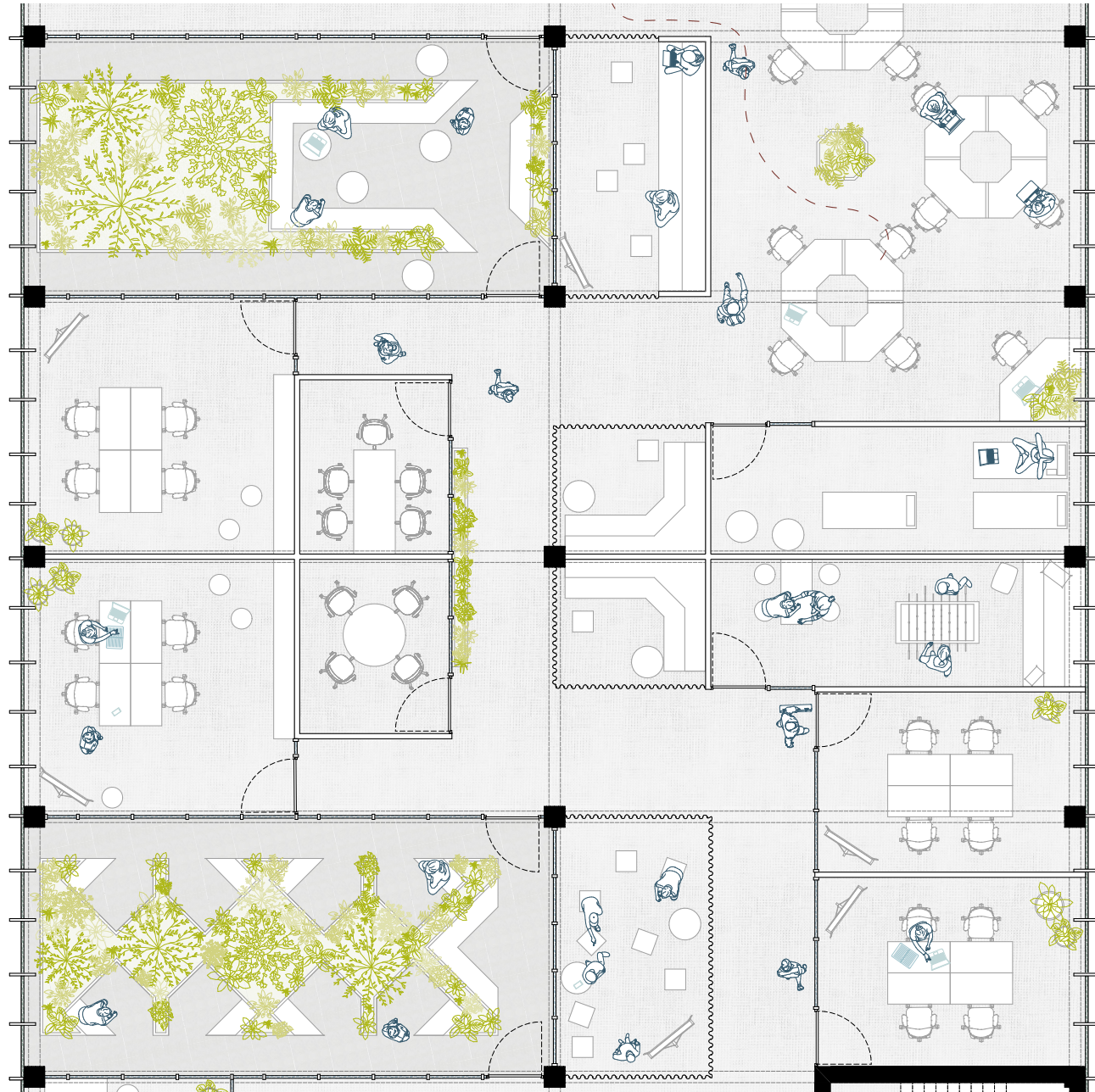


Design Implementation

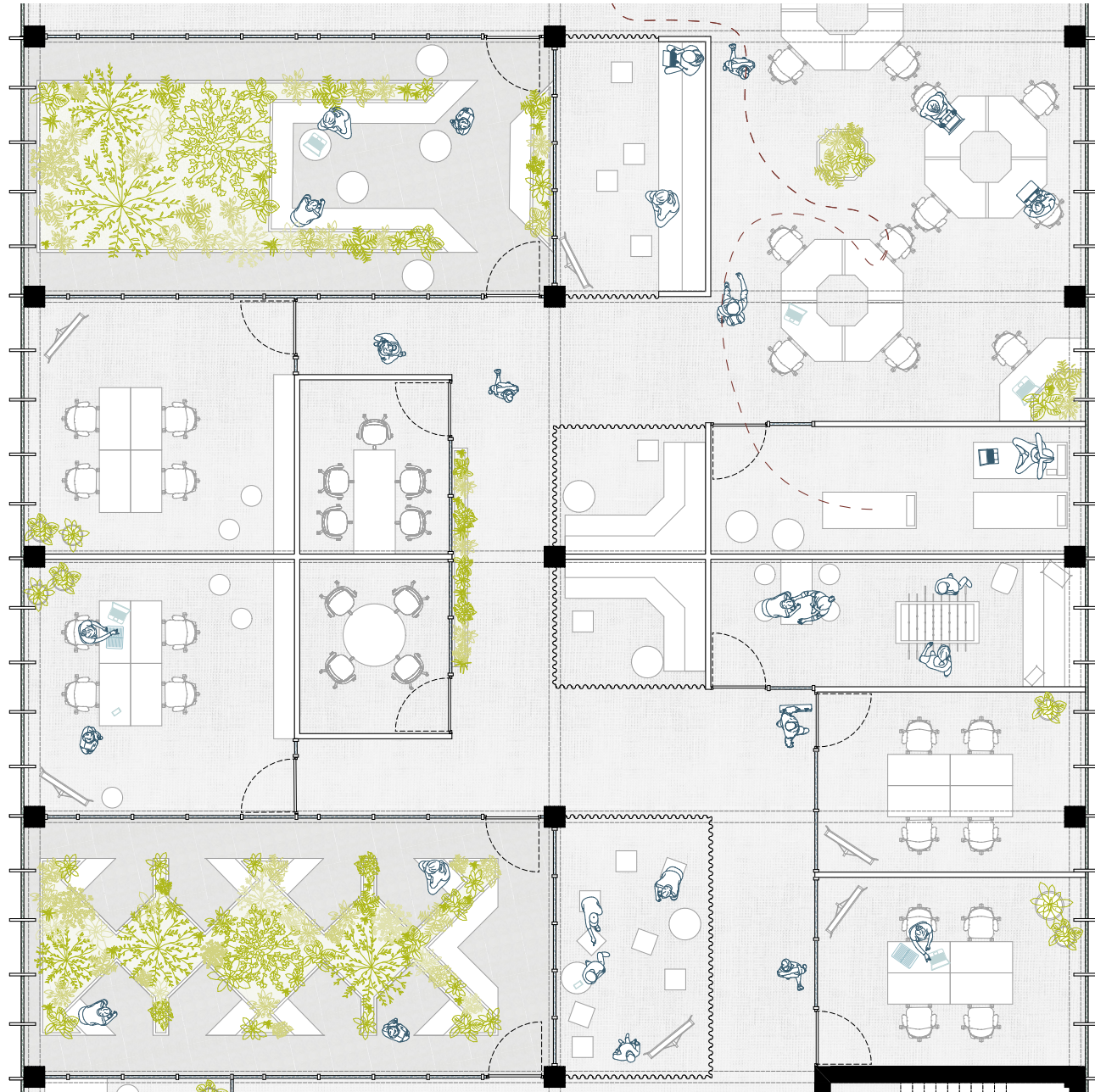
SECTION 1:50- PROGRAMME



PLAN 1:50- WORKPLACE EXPERIENCE

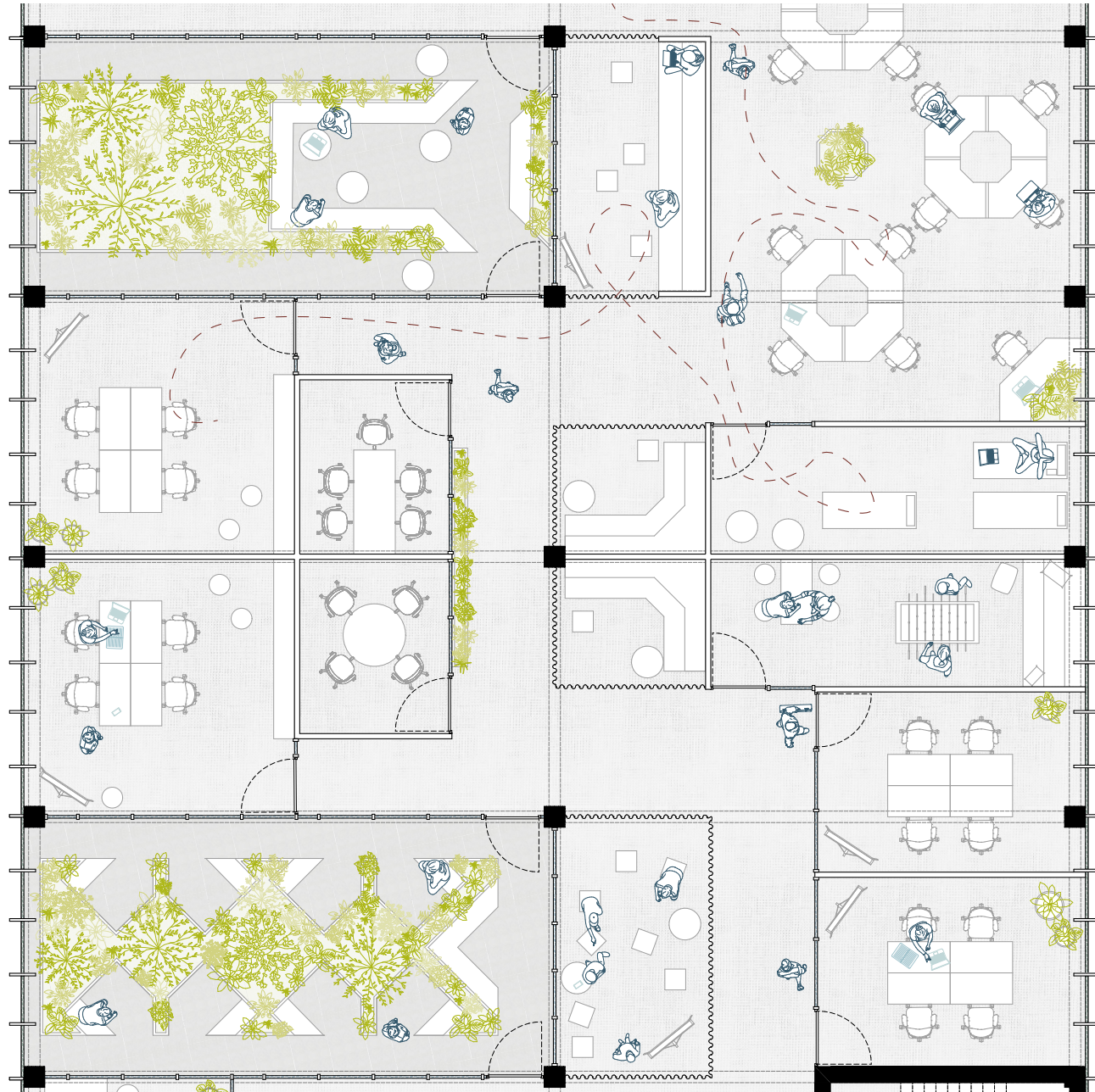


PLAN 1:50- WORKPLACE EXPERIENCE

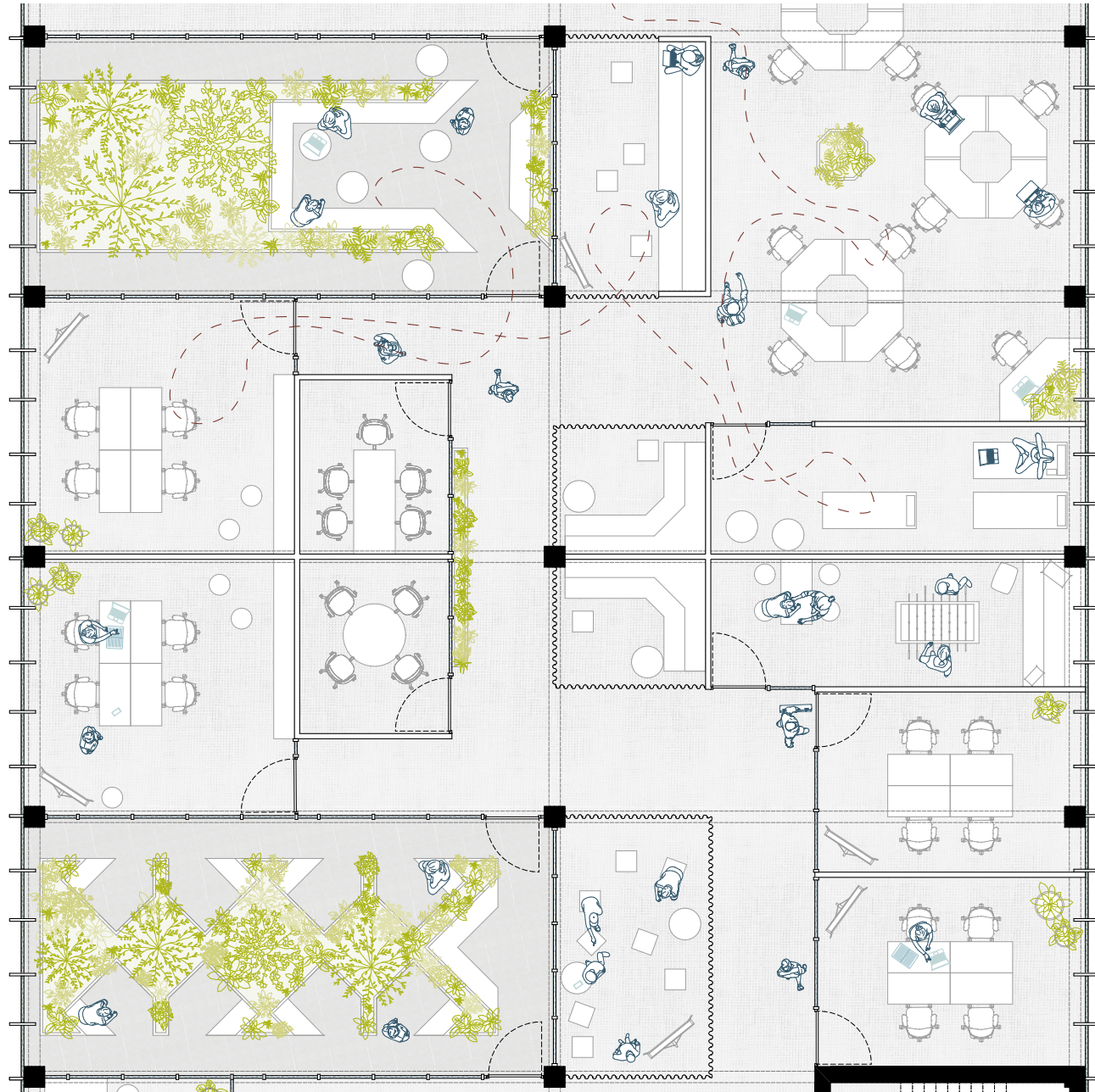




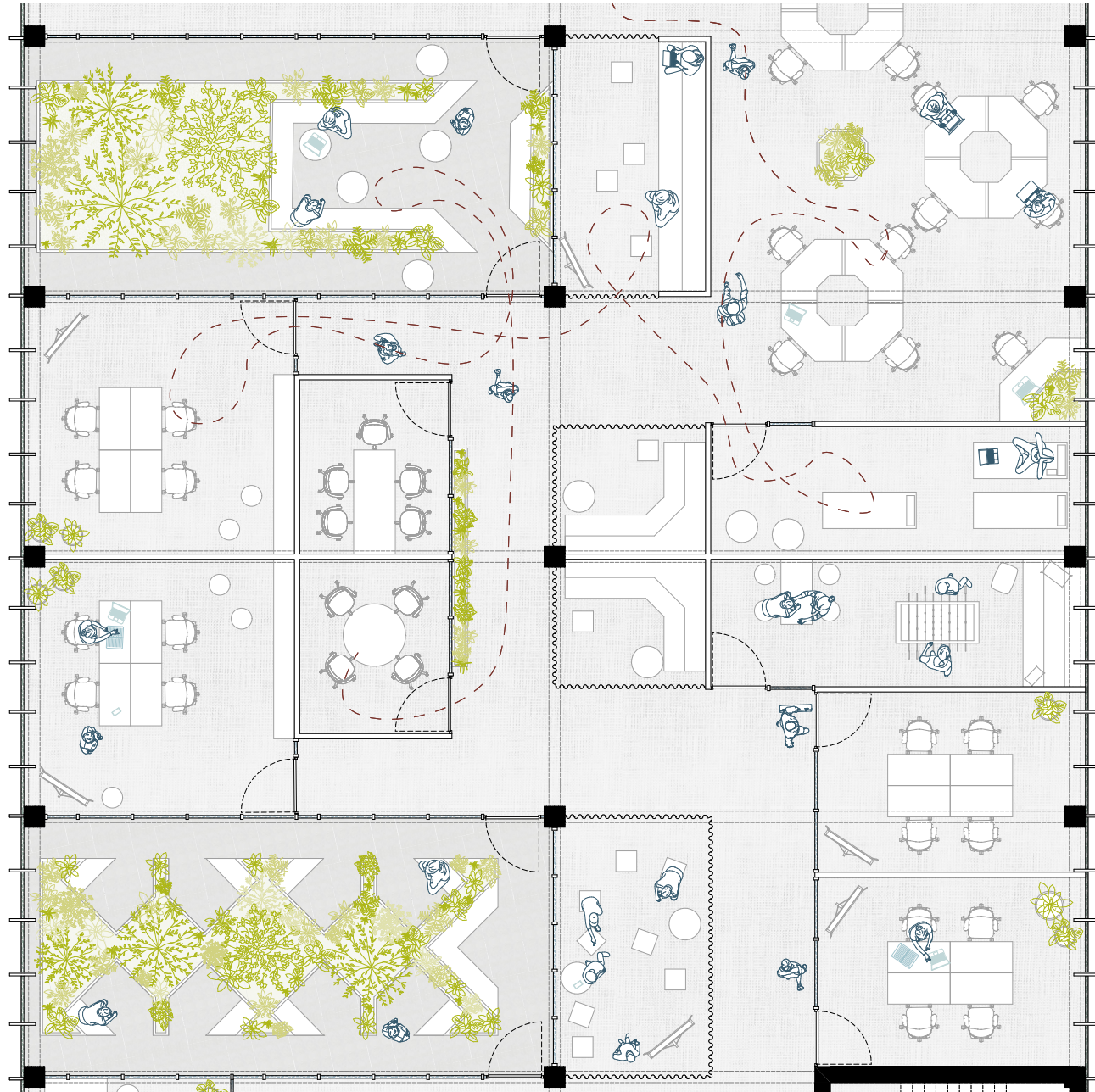
PLAN 1:50- WORKPLACE EXPERIENCE

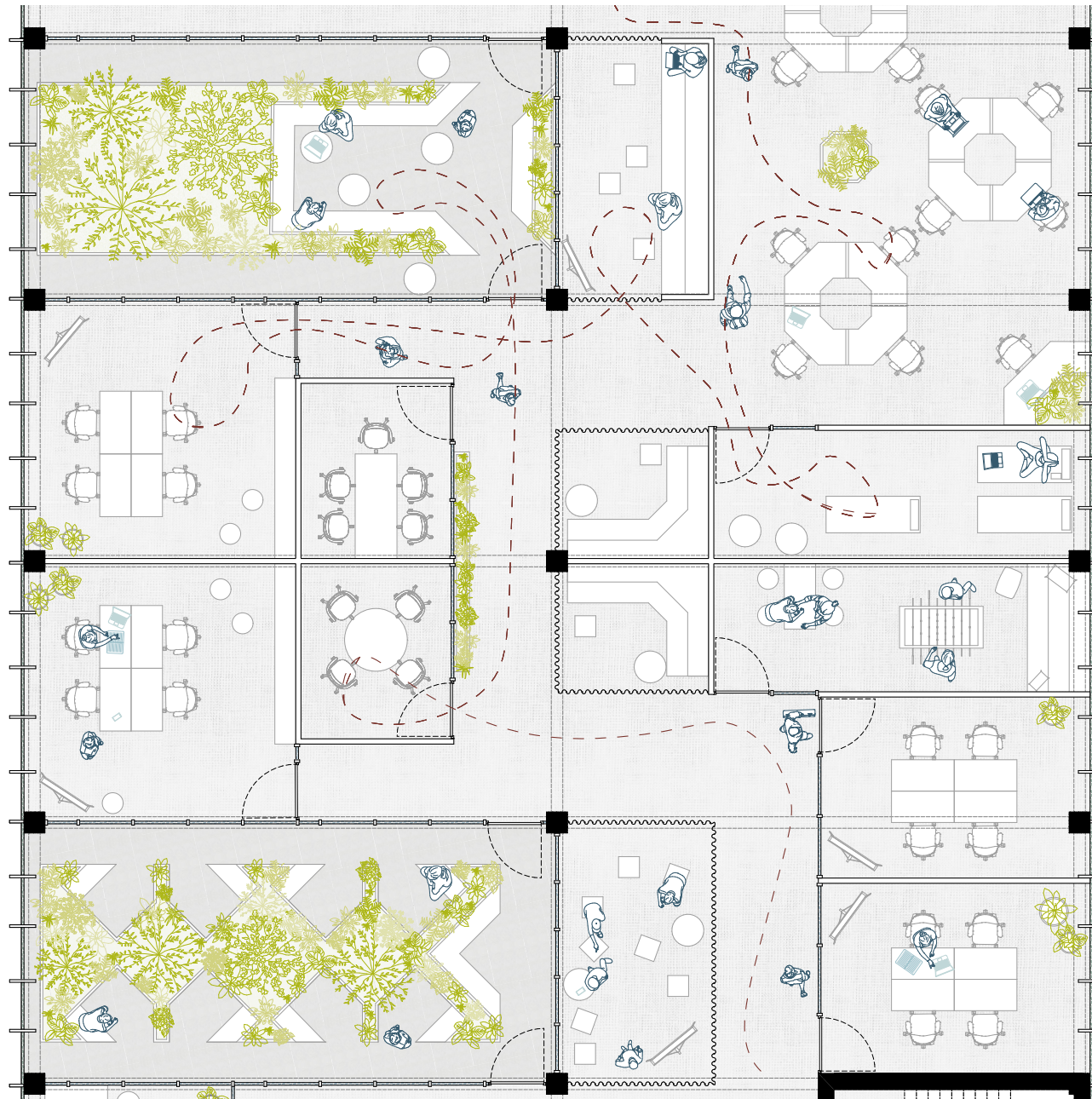


PLAN 1:50- WORKPLACE EXPERIENCE



PLAN 1:50- WORKPLACE EXPERIENCE



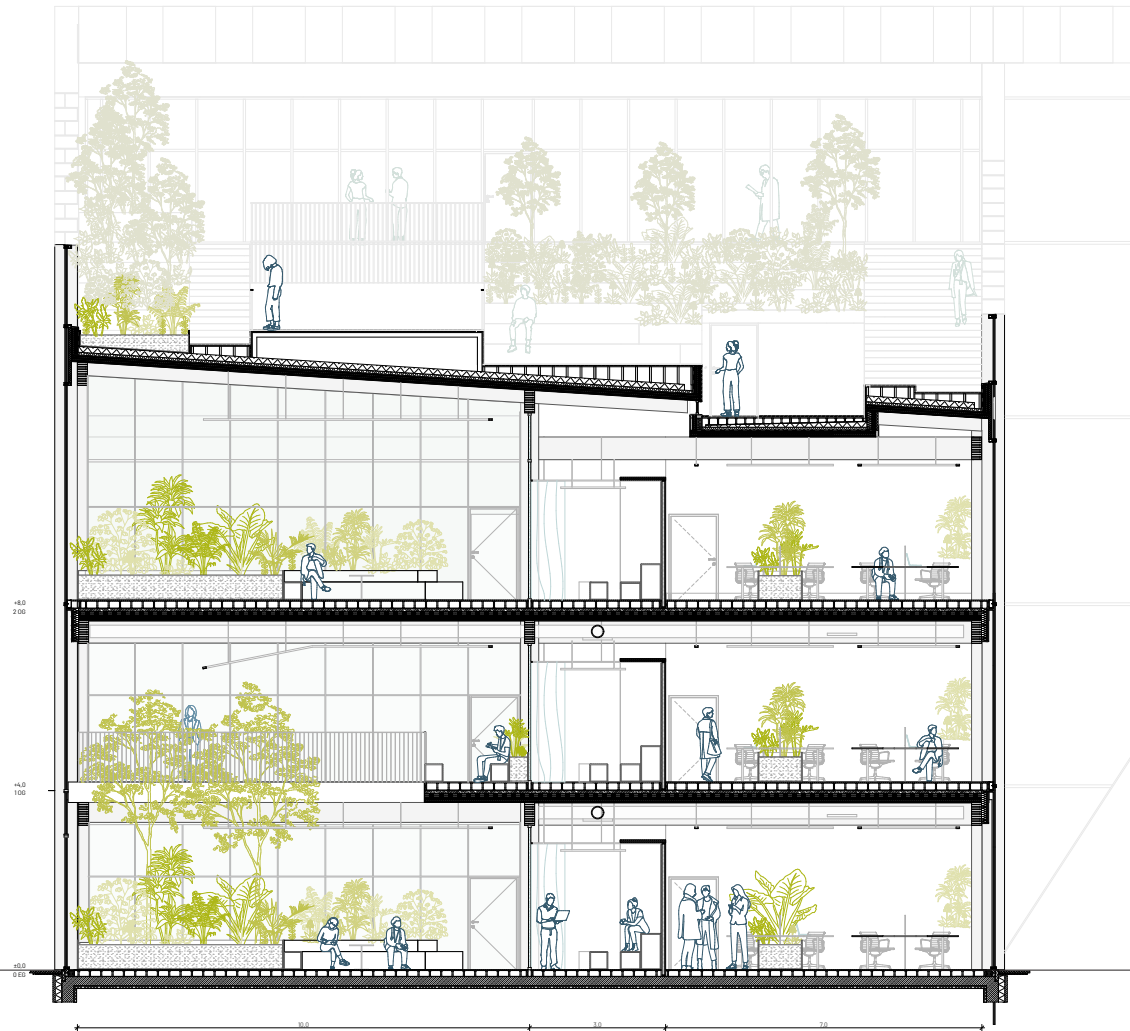


Design Implementation

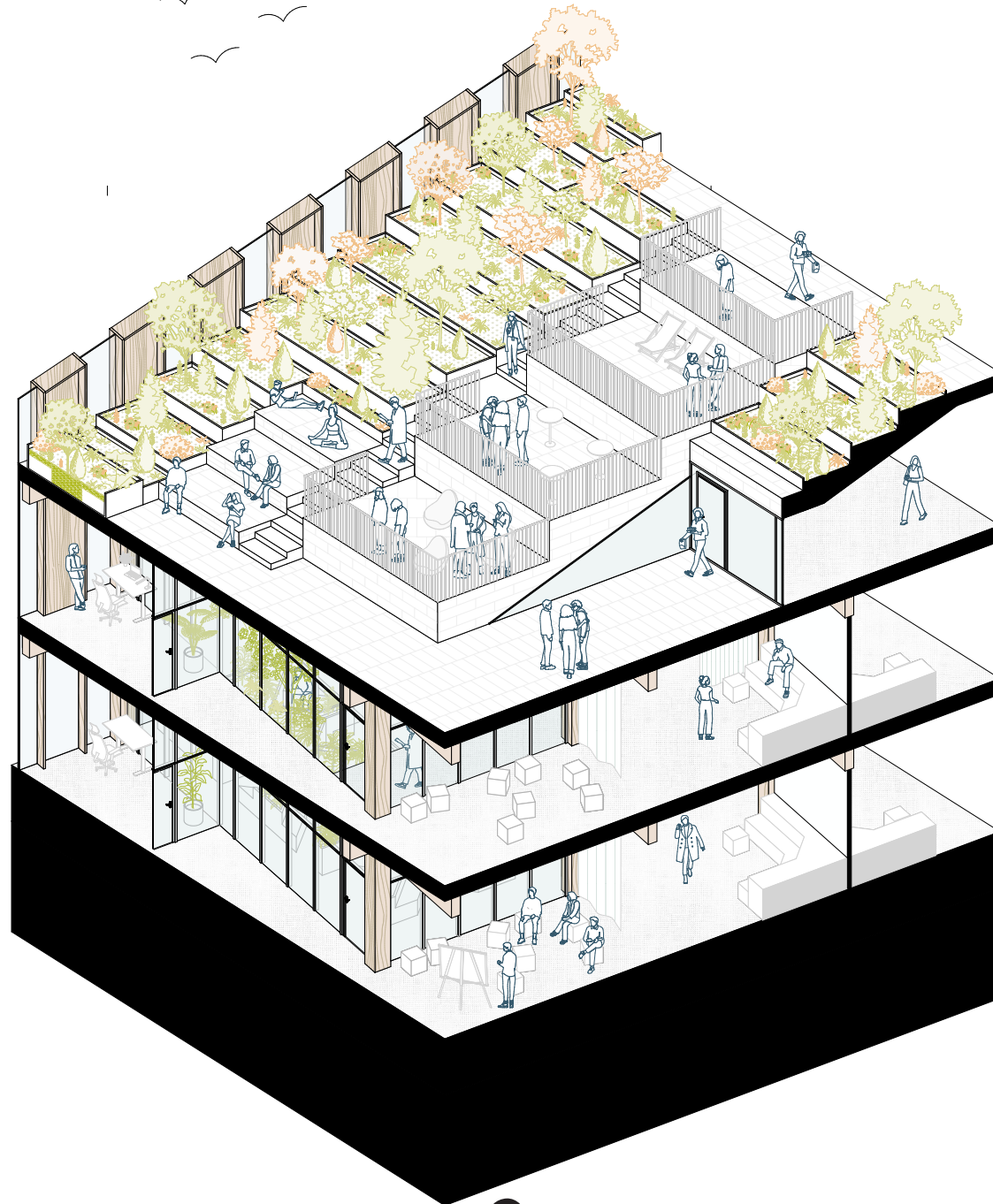
WORKPLACE EXPERIENCE



Design Implementation
SECTION 1:50



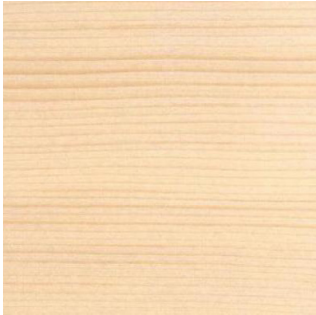
FRAGMENT



MATERIALS

Exterior

Facade



Norway spruce



Clear glass



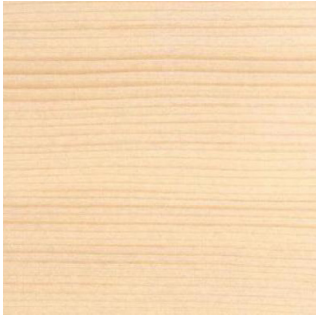
Reflective glass

Design Implementation

MATERIALS

Exterior

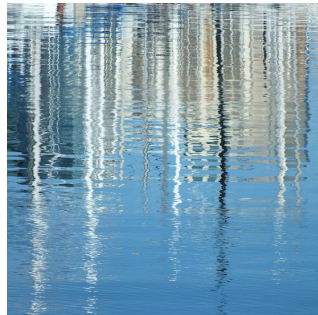
Facade



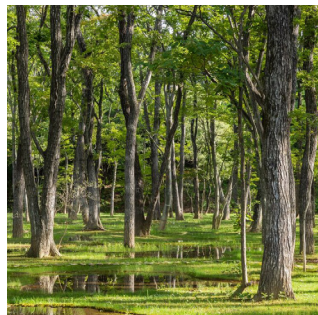
Public space



Stone paving



Water



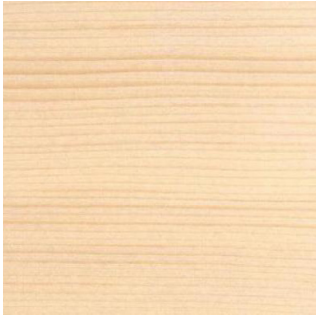
Greenery

Design Implementation

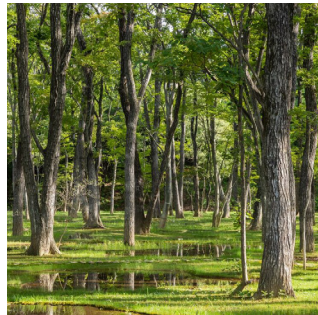
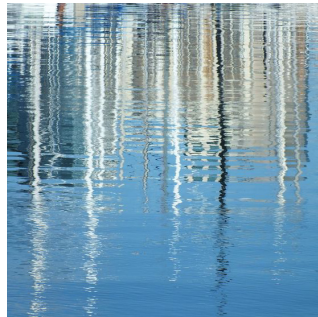
MATERIALS

Exterior

Facade



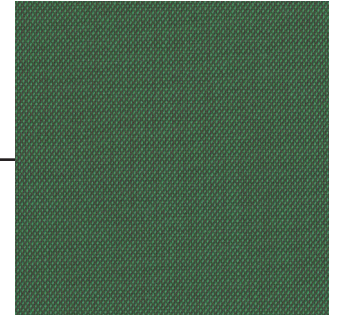
Public space



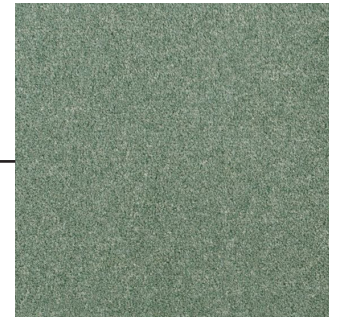
Interior

Variables

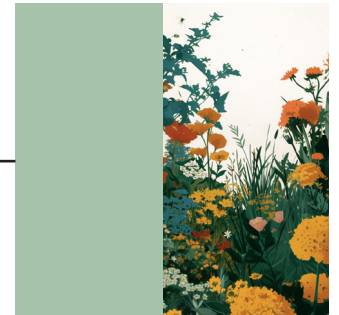
Fabric



Carpet



Plasterboard



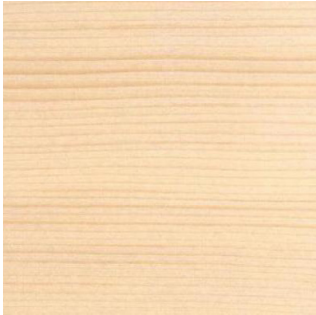
Design Implementation

MATERIALS

Exterior

Interior

Facade



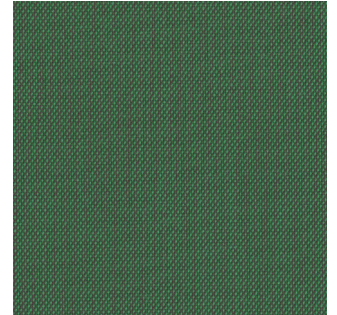
Public space



Constant



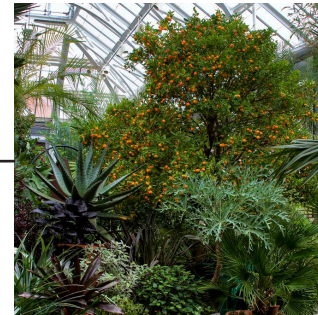
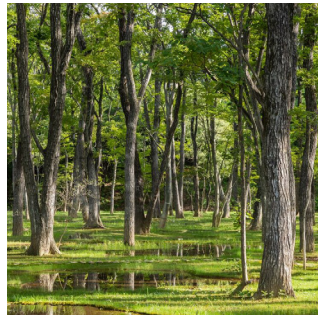
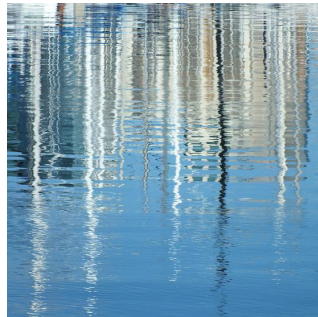
Variables



Norway spruce

Rubber flooring

Greenery

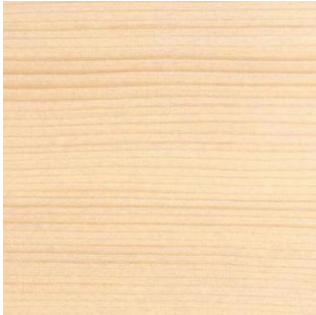


Design Implementation

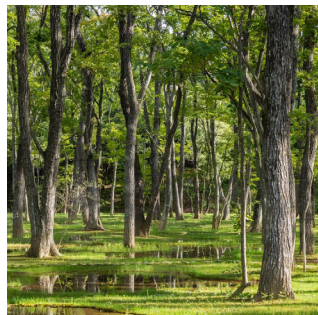
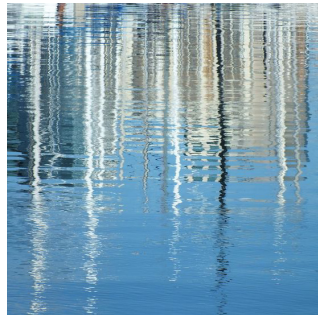
MATERIALS

Exterior

Facade

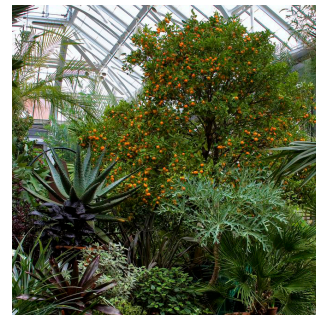


Public space

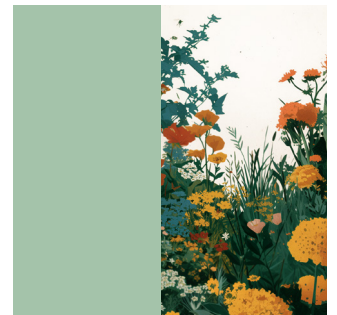
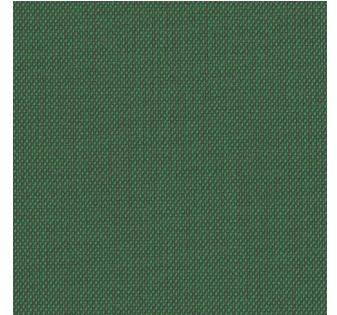


Interior

Constant



Variables



Design Implementation

INTERIOR COLOUR CONCEPT



The sky

The mountain

The roofs

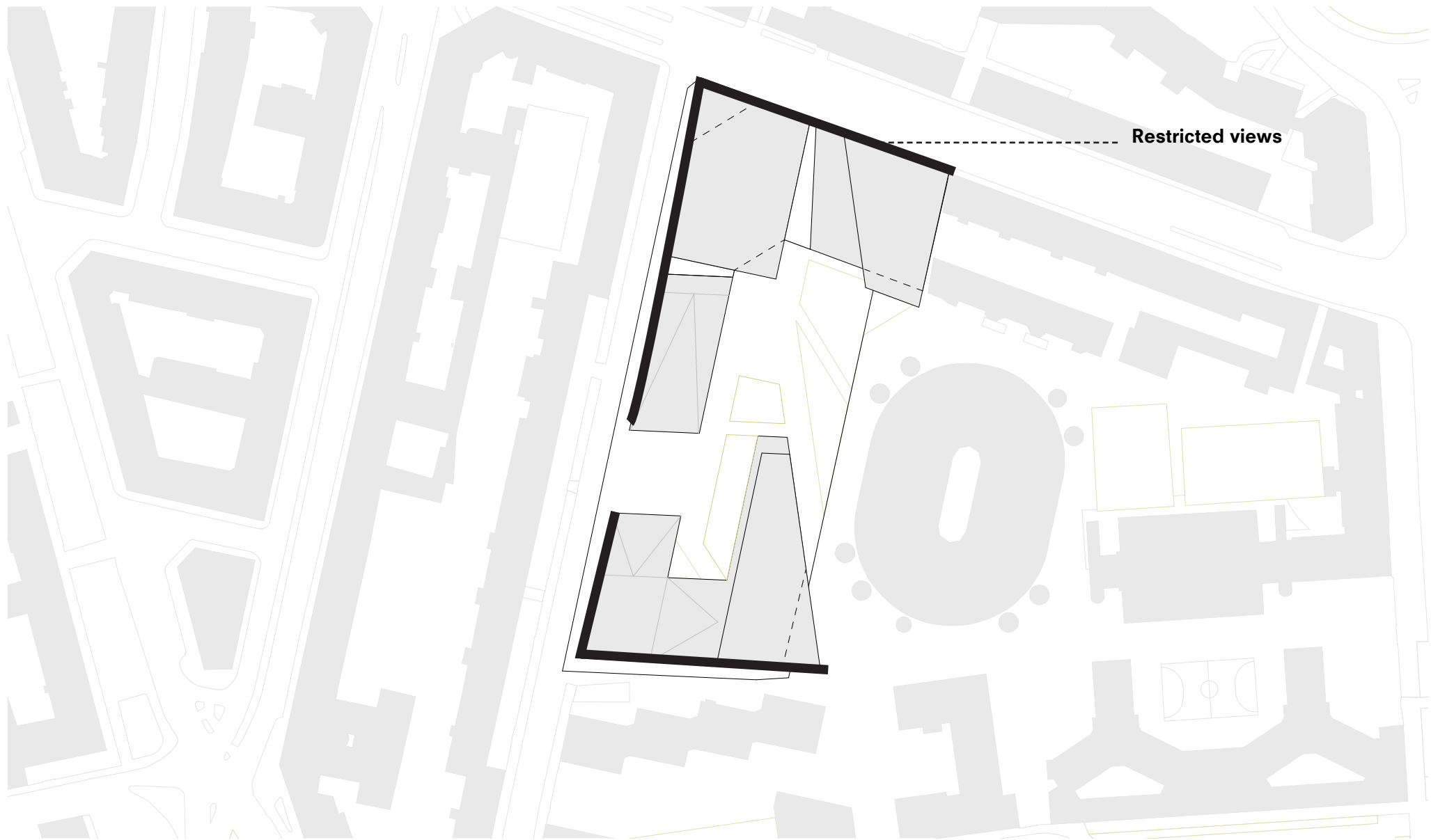
The forest

The lake

The bottom of the lake

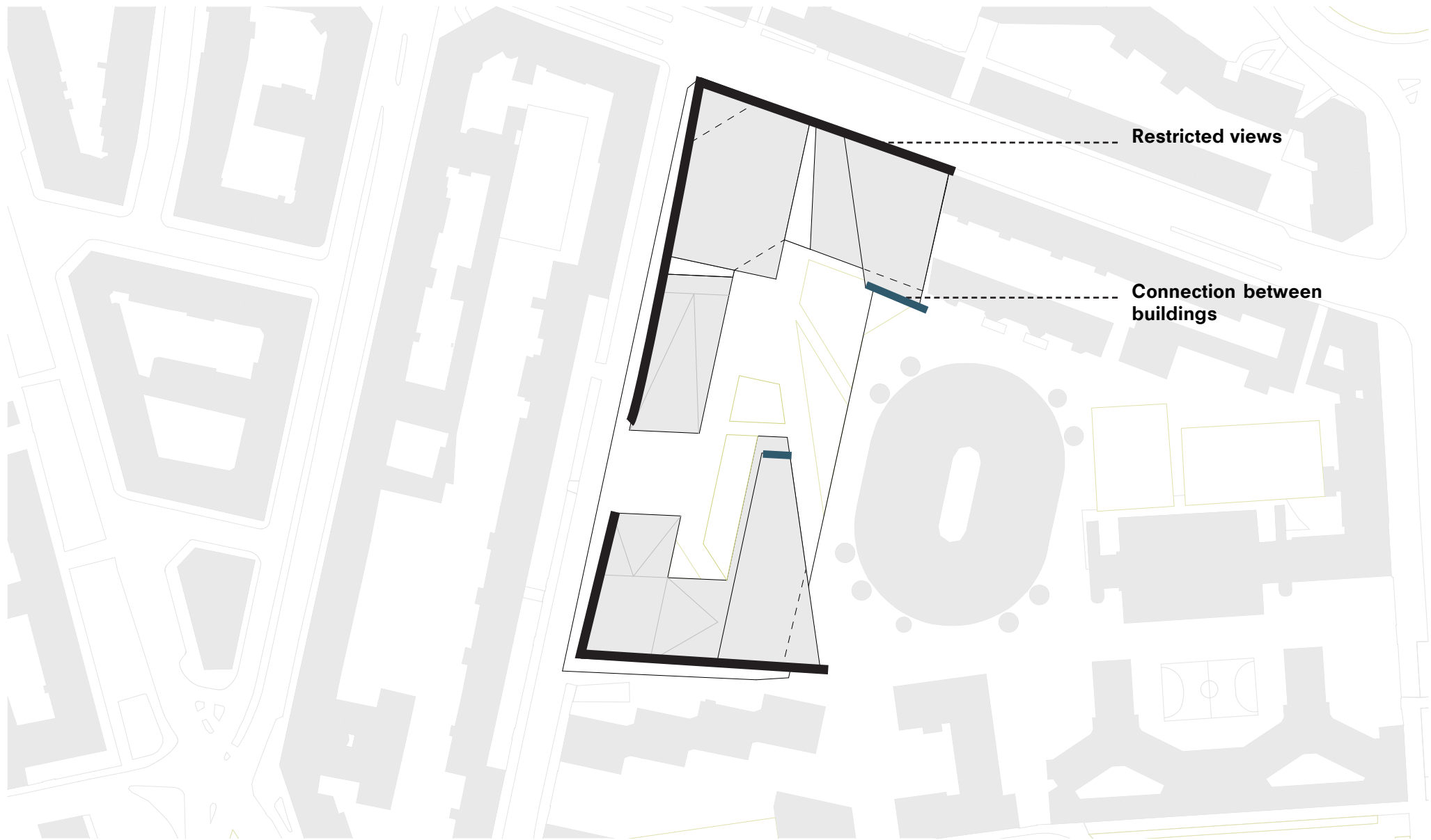
Design Implementation

FACADE CONCEPT



Design Implementation

FACADE CONCEPT

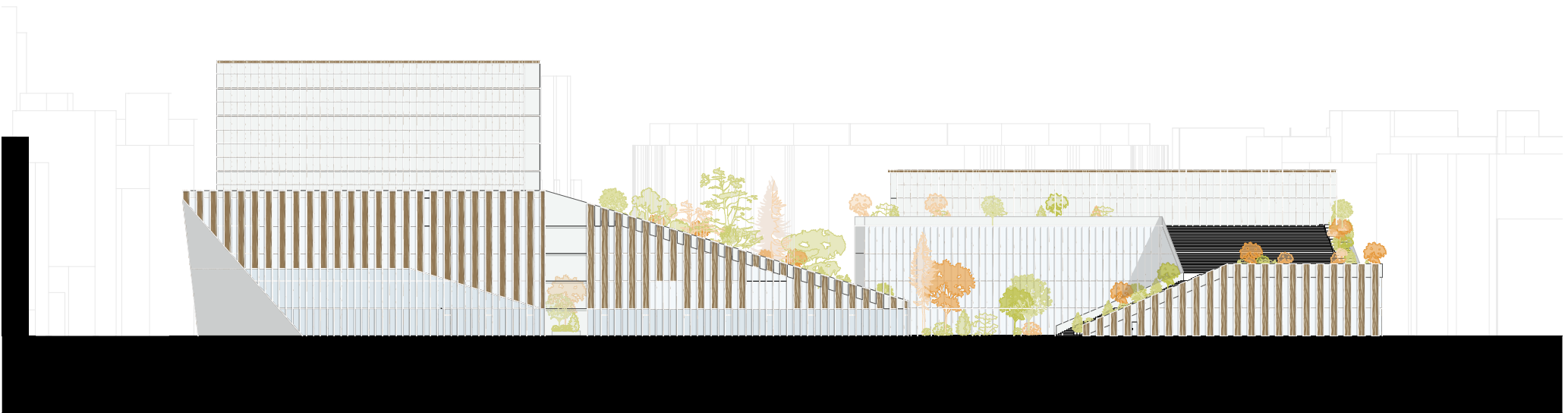


Design Implementation

FACADE CONCEPT



Design Implementation
ELEVATION W



Design Implementation

UNIVERSITY EMBLEM



Design Implementation

FORMAL EMBLEM



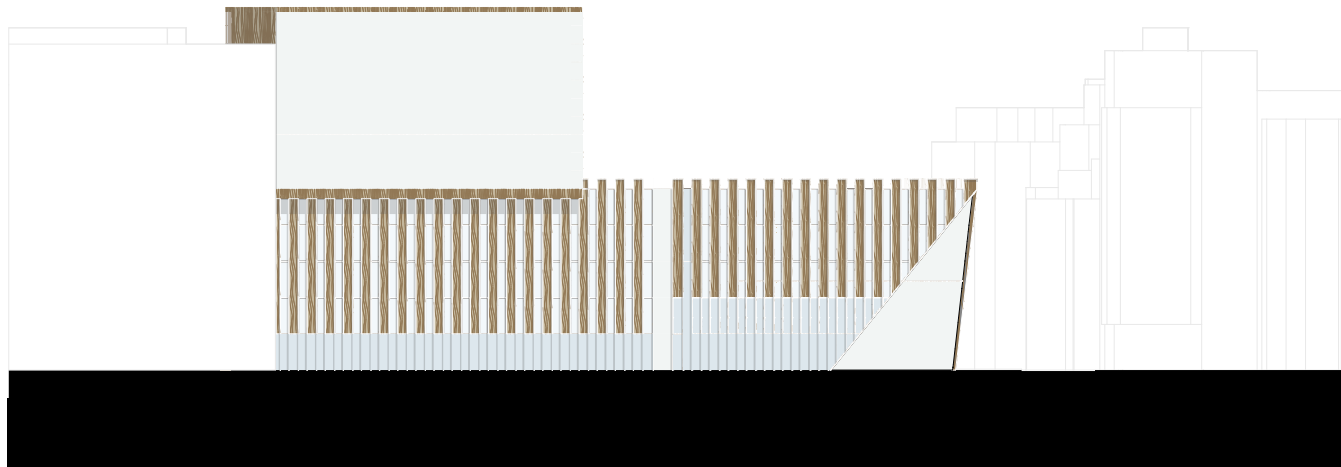
Design Implementation

INFORMAL EMBLEM



Design Implementation

ELEVATION N



Design Implementation

ELEVATION E

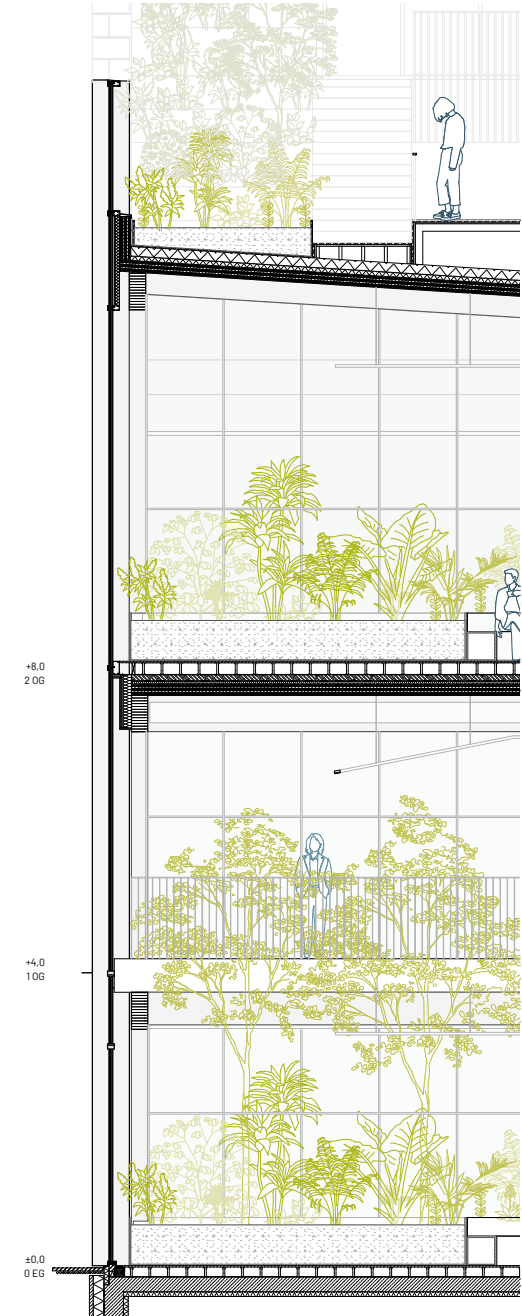
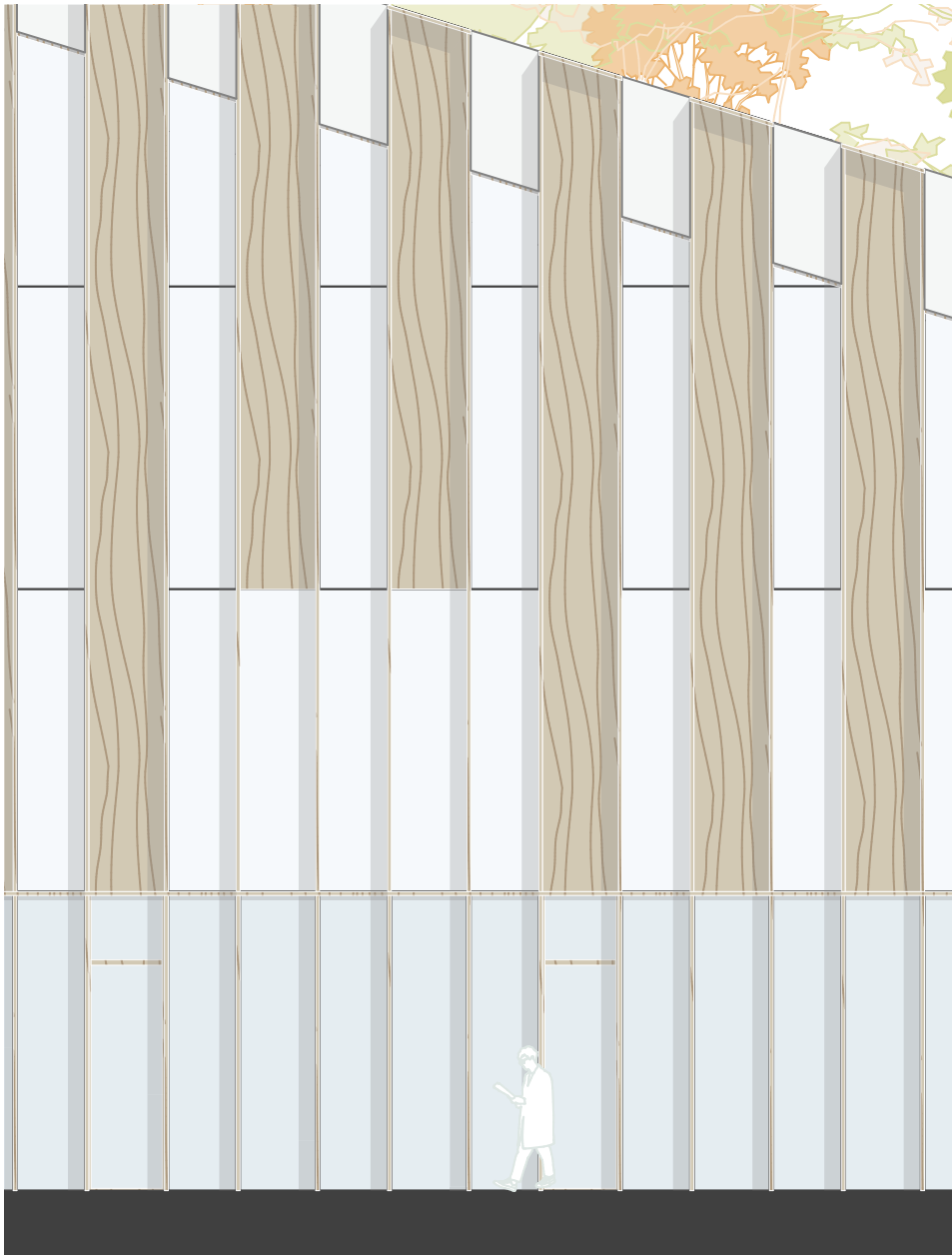


Design Implementation

ELEVATION W

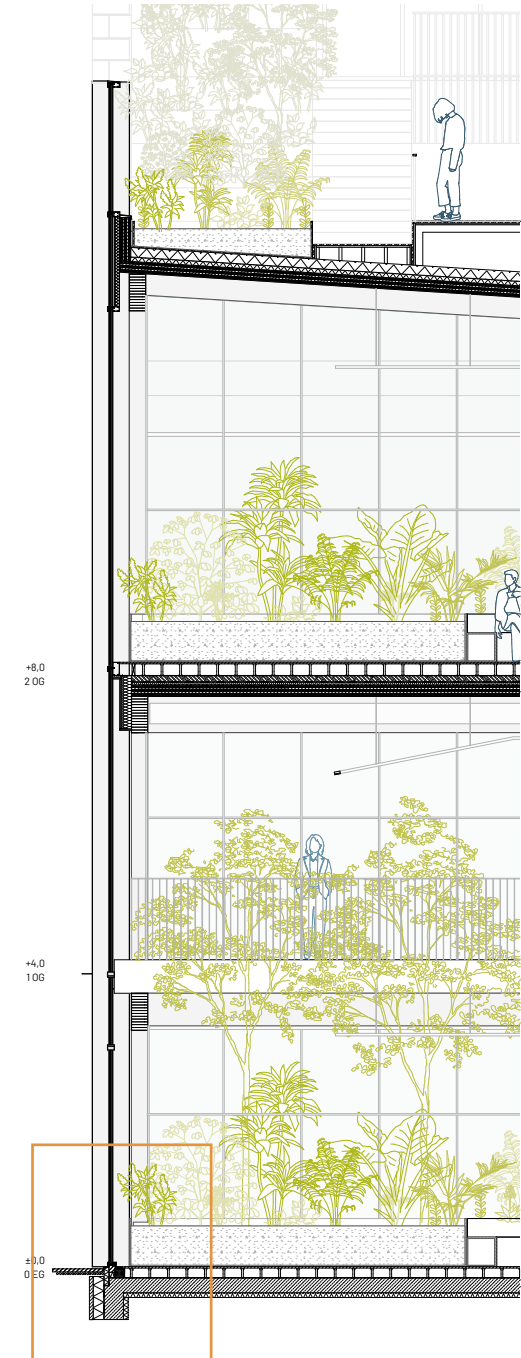
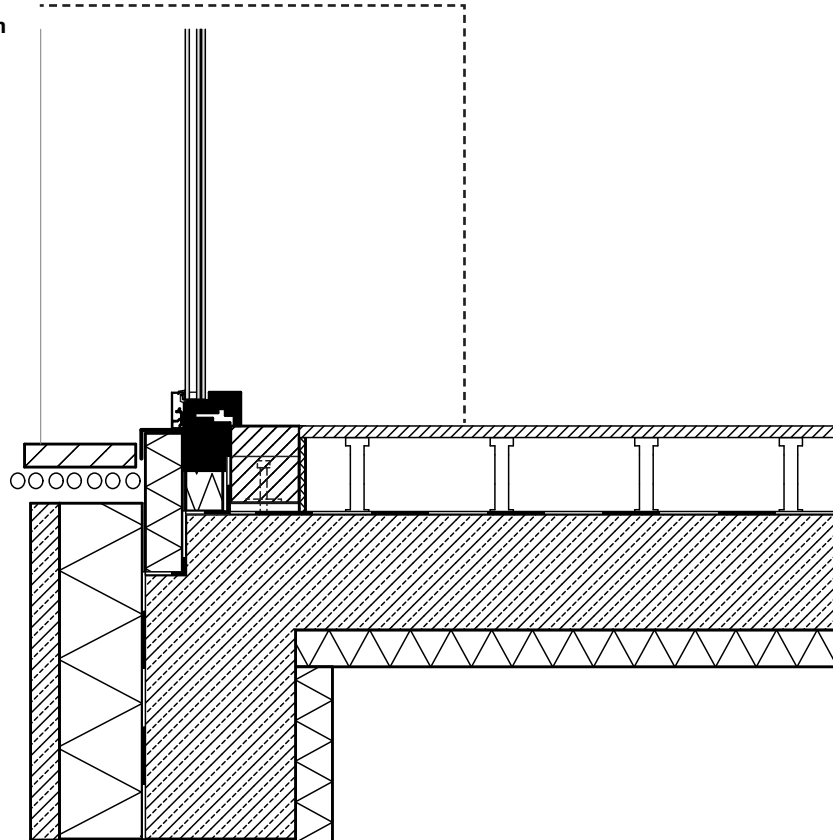


Design Implementation
SECTION 1:20



DETAIL 1:10

Carpet/ Pine floorboard
Rising floor support column 160mm
5 mm sealant layer
200 mm reinforced concrete slab
60 mm XPS thermal insulation

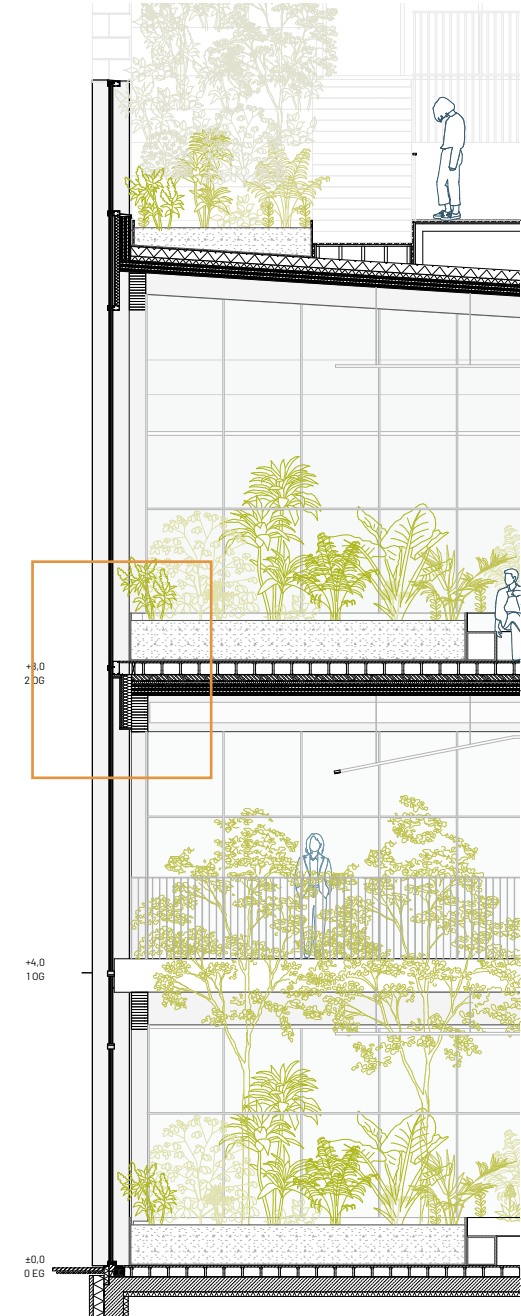
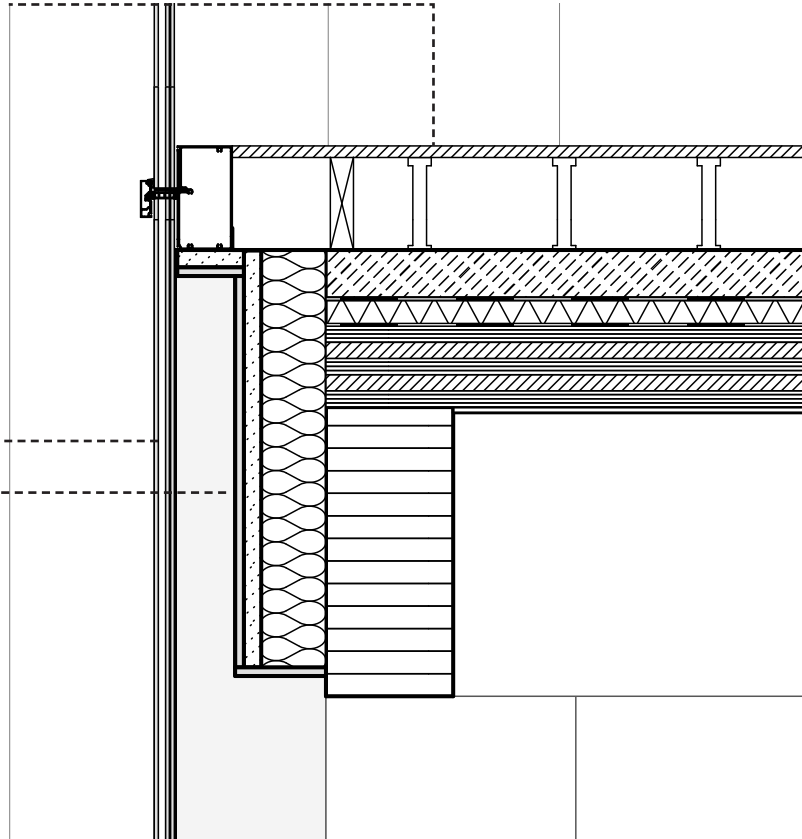


DETAIL 1:10

Carpet/ Pine floorboard
Rising floor support column 160mm
Cement screed 90mm
Separating layer
Impact sound insulation 50mm
Cross laminated timber floor,
spruce, 5 layers 160mm

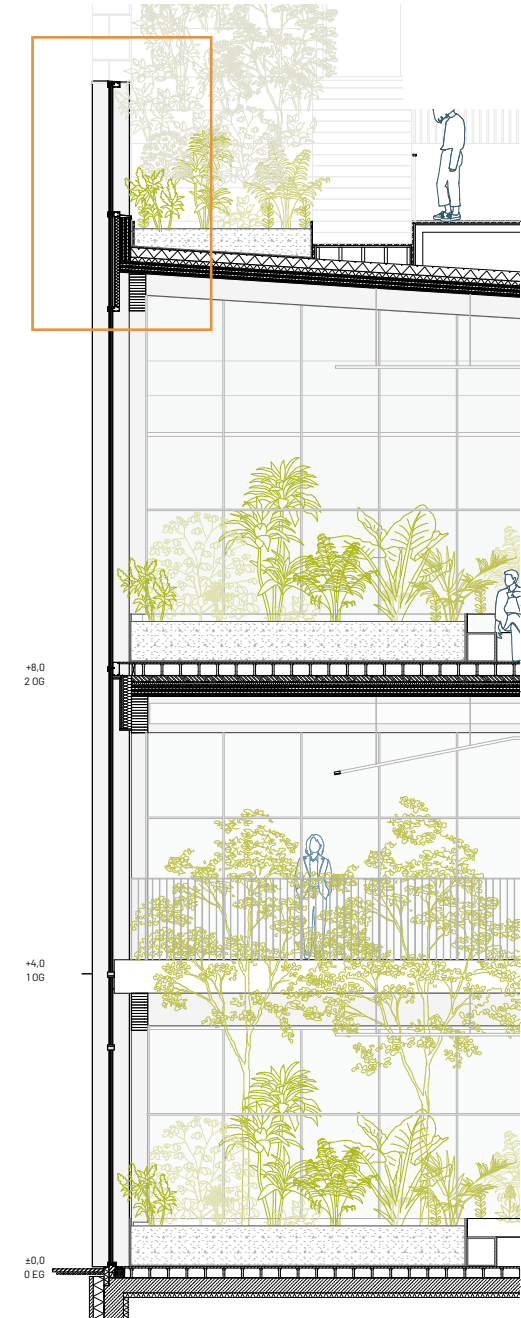
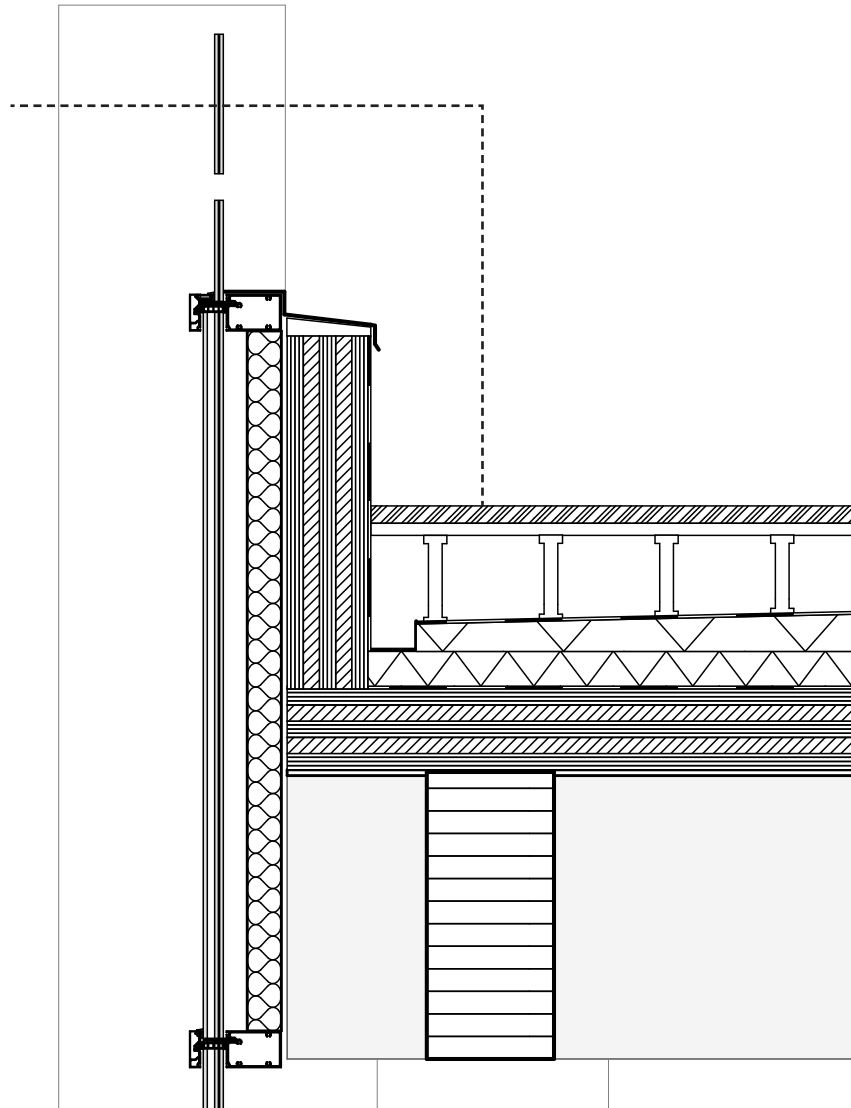
Glazing

Norway spruce finish 20mm
2 Layers of fire board 30mm
Mineral wool fire barrier 110mm
Glued laminated timber beam
220/500mm



DETAIL 1:10

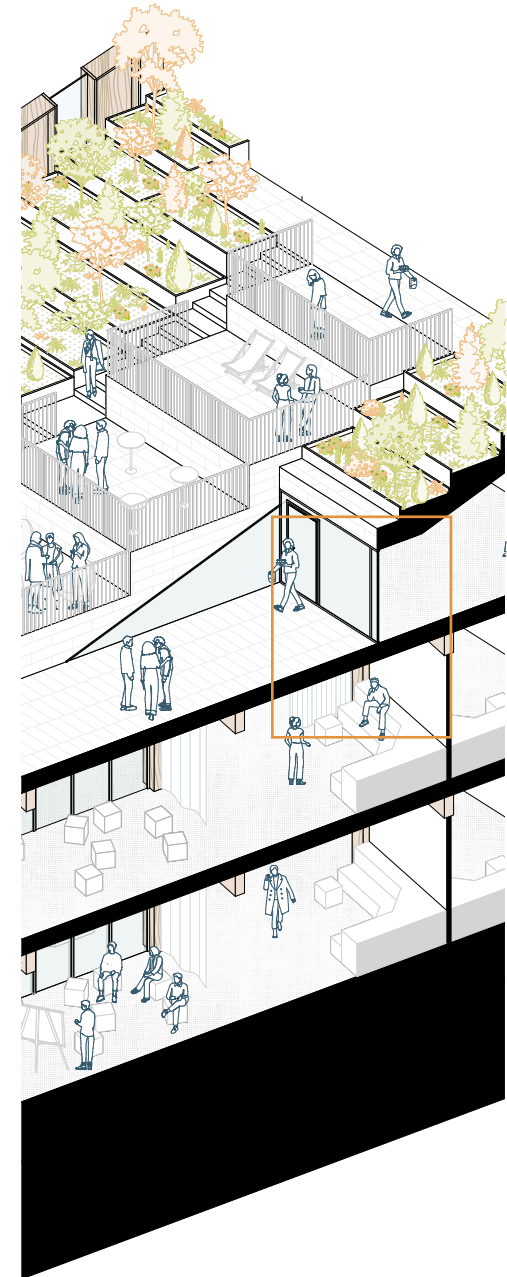
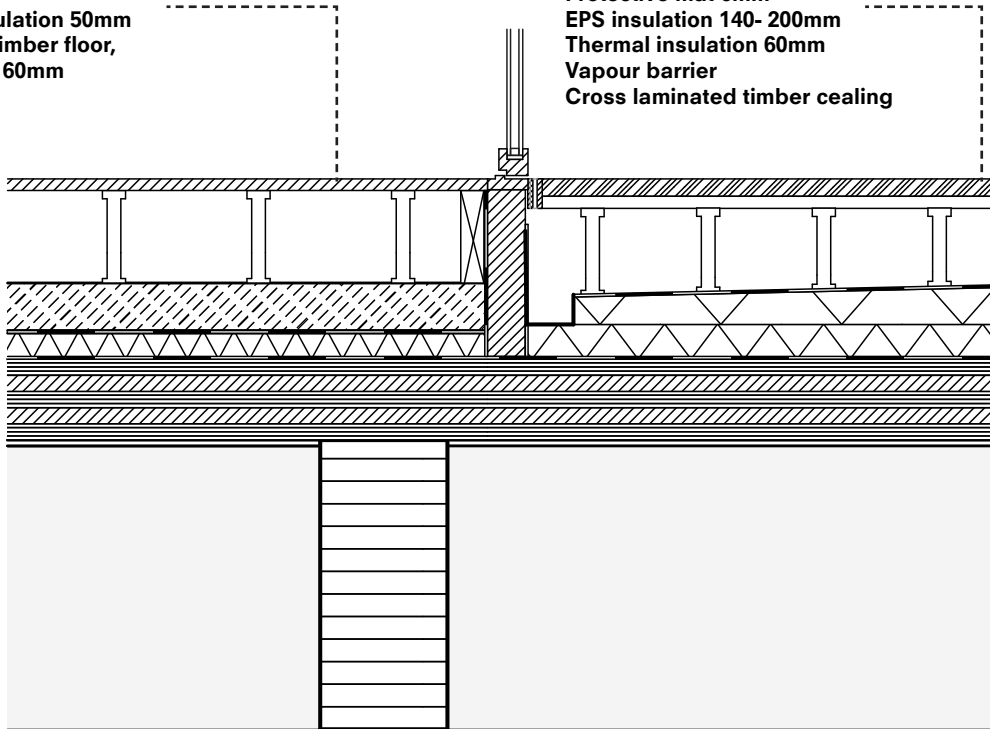
Stone Flooring 50mm
Supporting layer
Drainage element 40mm
Protective mat 6mm
EPS insulation 140- 200mm
Thermal insulation 60mm
Vapour barrier
Cross laminated timber ceiling



DETAIL 1:10

Carpet/ Pine floorboard
Rising floor support column 160mm
Cement screed 90mm
Separating layer
Impact sound insulation 50mm
Cross laminated timber floor,
spruce, 5 layers 160mm

Stone Flooring 50mm
Supporting layer
Drainage element 40mm
Protective mat 6mm
EPS insulation 140- 200mm
Thermal insulation 60mm
Vapour barrier
Cross laminated timber ceiling



Design Implementation

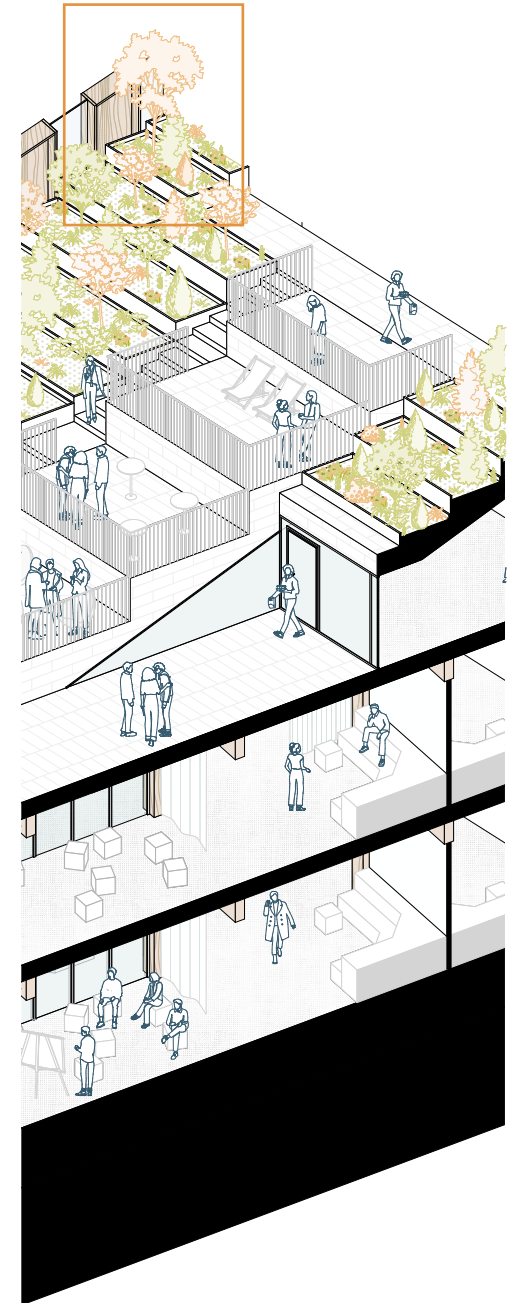
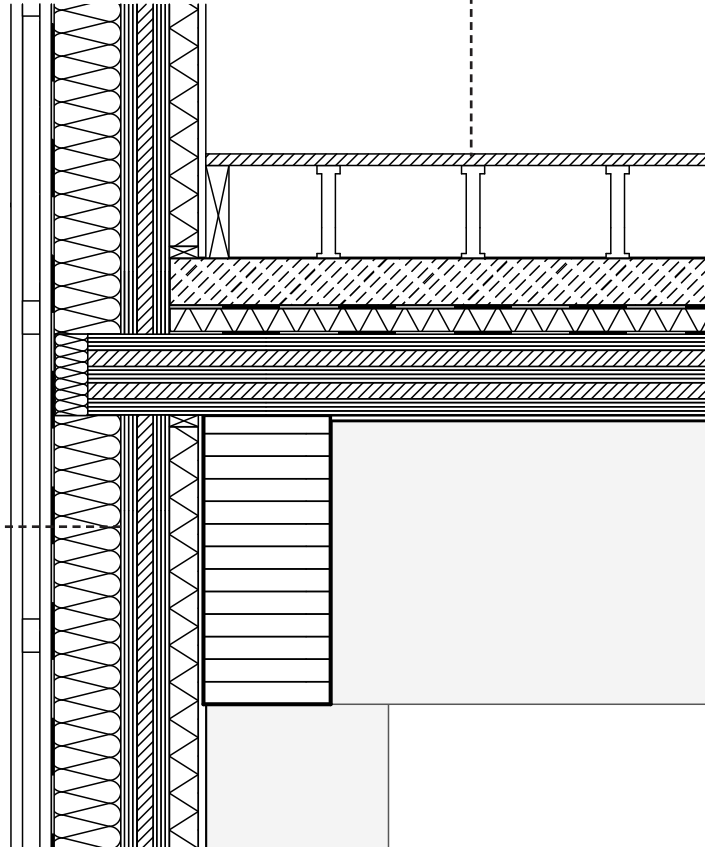
ELEVATION W



DETAIL 1:10

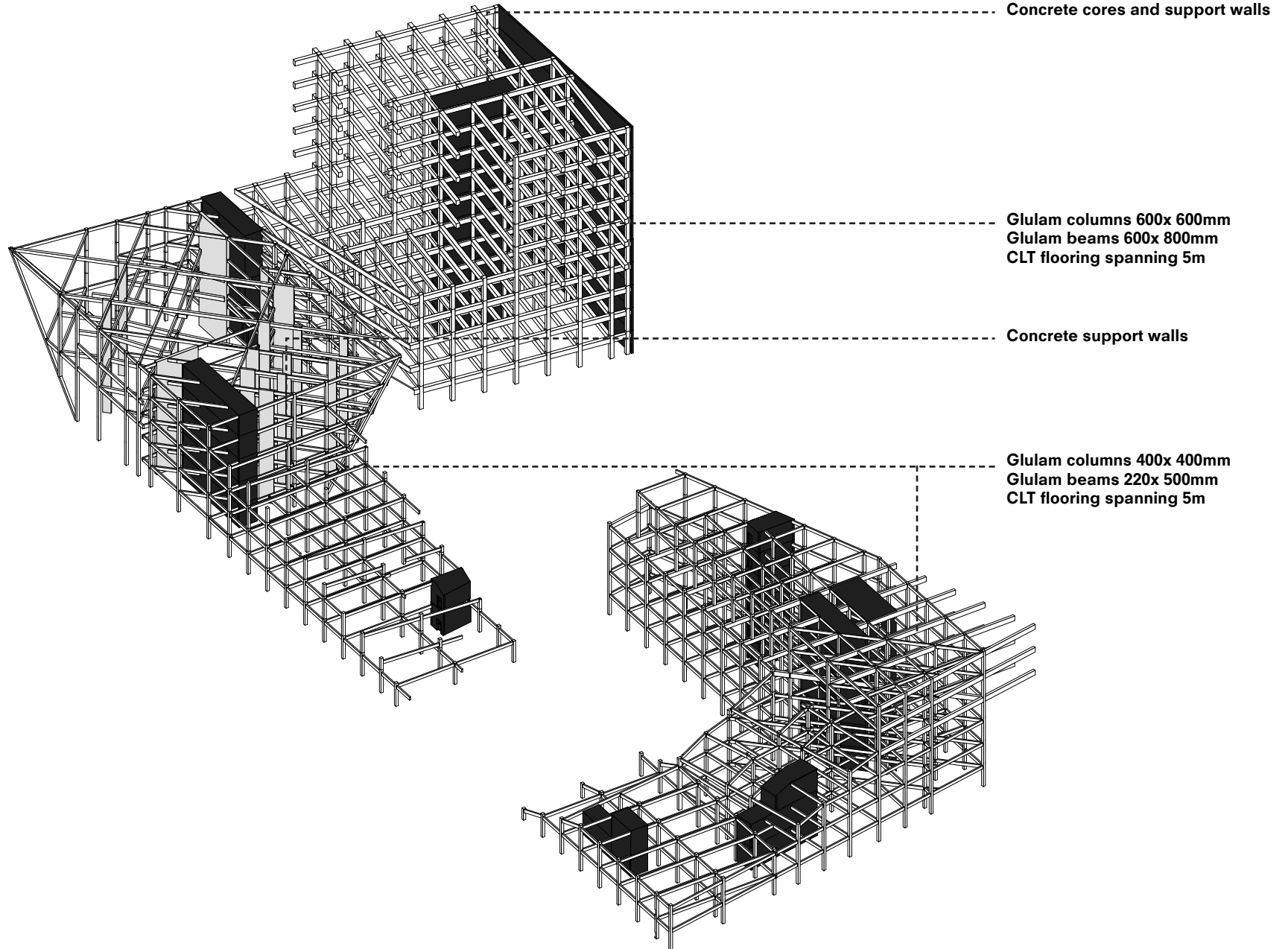
Carpet/ Pine floorboard
Rising floor support column 160mm
Cement screed 90mm
Separating layer
Impact sound insulation 50mm
Cross laminated timber floor,
spruce, 5 layers 160mm

Norway spruce boarding 20mm
Counterbattens 50mm
Facade membrane
Mineral wool 120mm
Cross laminated timber, 3 layers,
80mm
Thermal insulation 50mm
Plasterboard 12mm



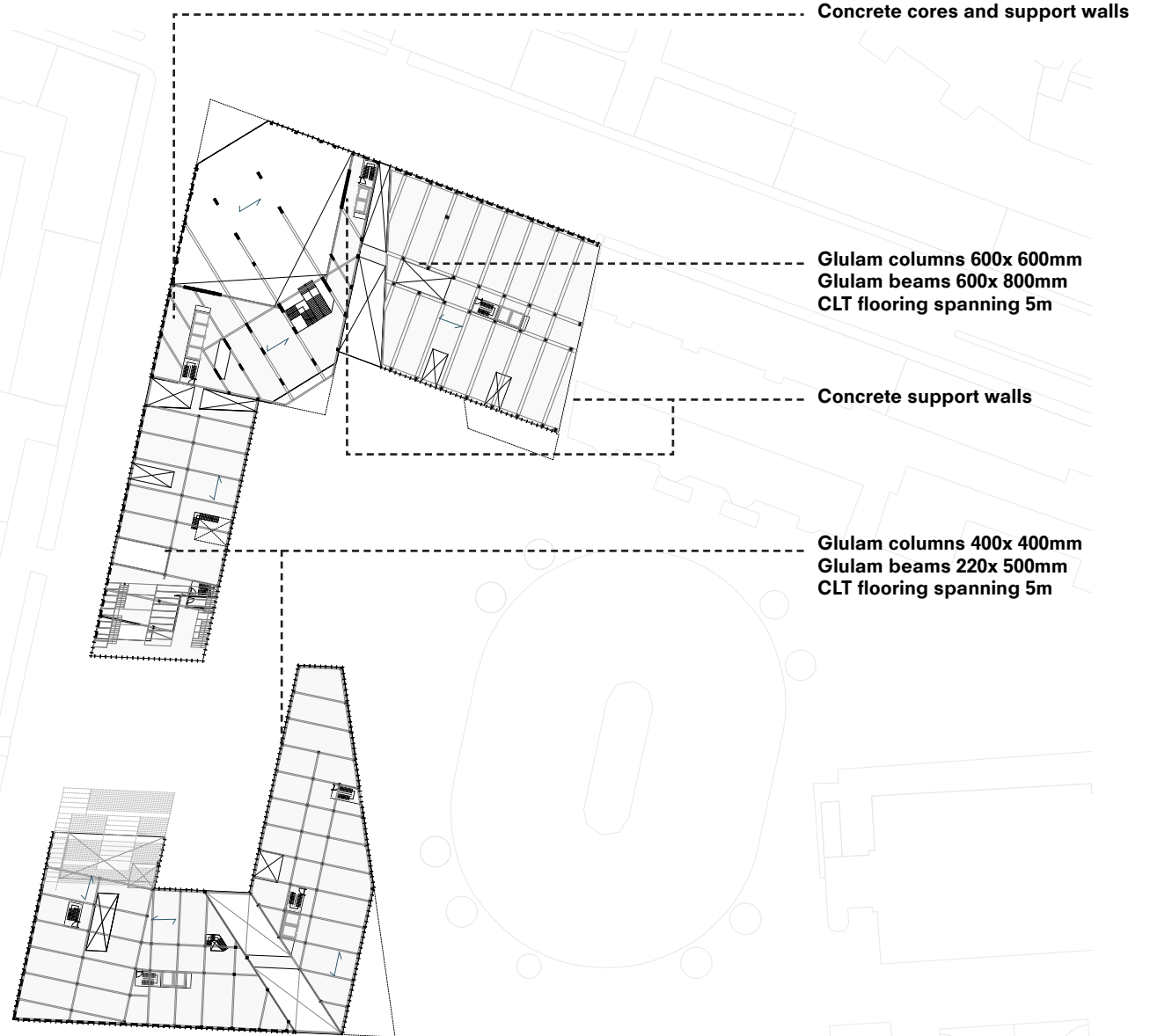
Design Implementation

STRUCTURAL SYSTEM



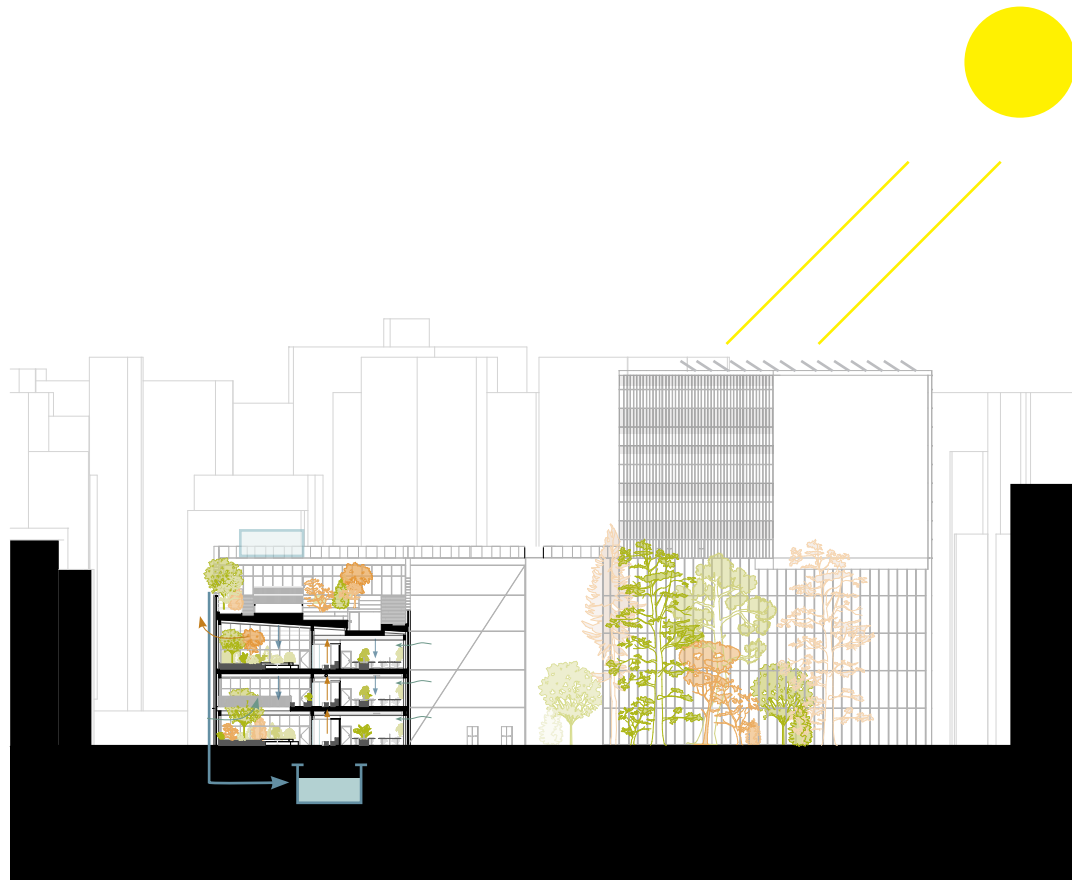
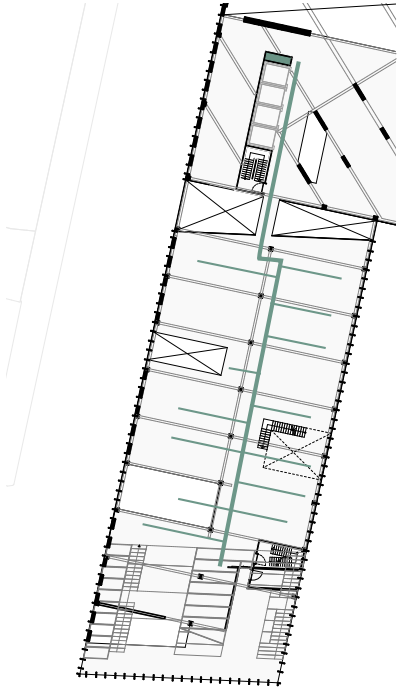
Design Implementation

STRUCTURAL SYSTEM



Design Implementation

CLIMATE STRATEGY



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CONCLUSIONS

THE FUTURE OF **MILAN'S** ACADEMIC BUILDINGS

CONCLUSIONS

THE FUTURE OF ACADEMIC BUILDINGS

THANK YOU!

**VIELEN DANK!
VĂ MULTUMESC!**