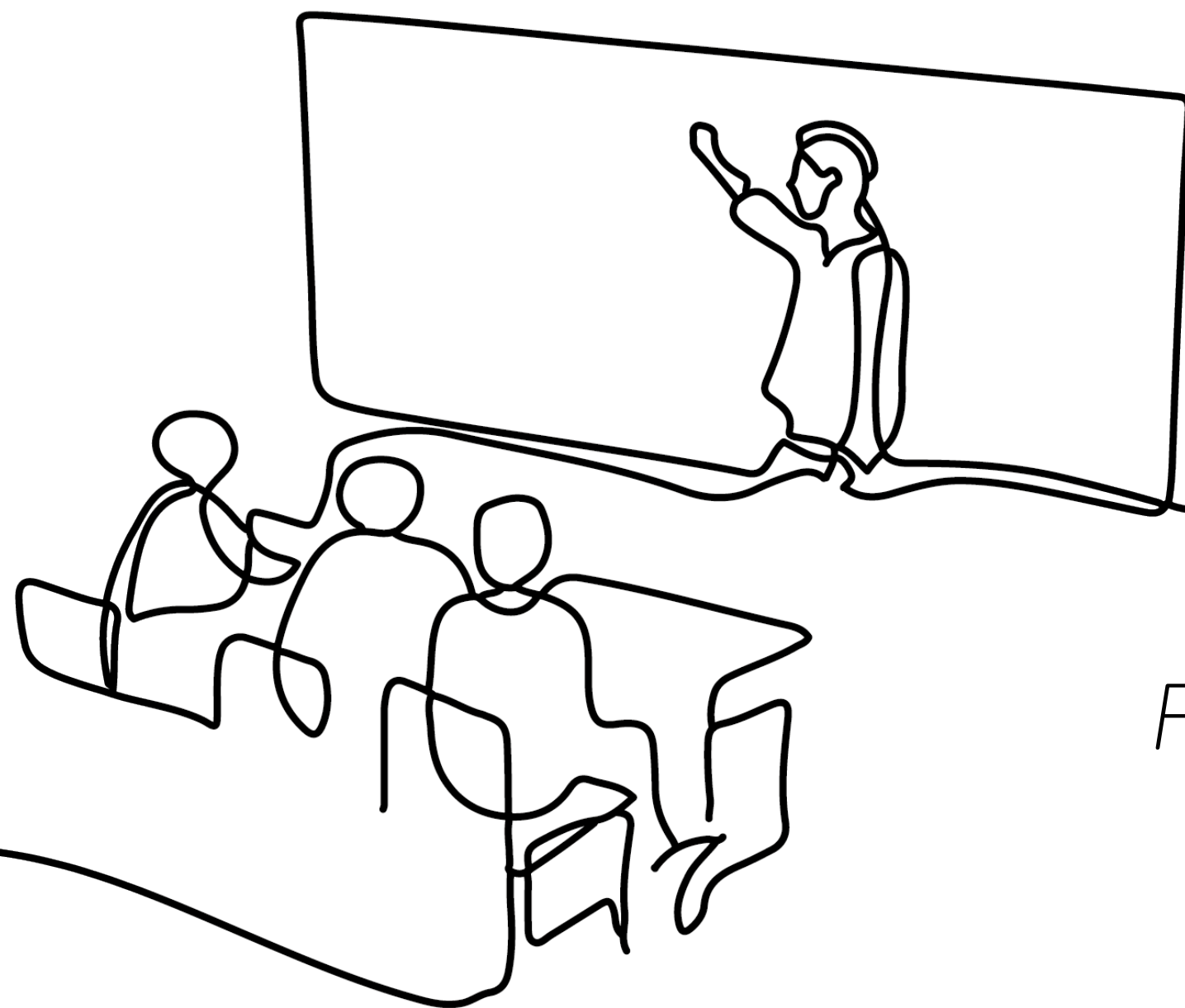


BEYOND THE CLASSROOM

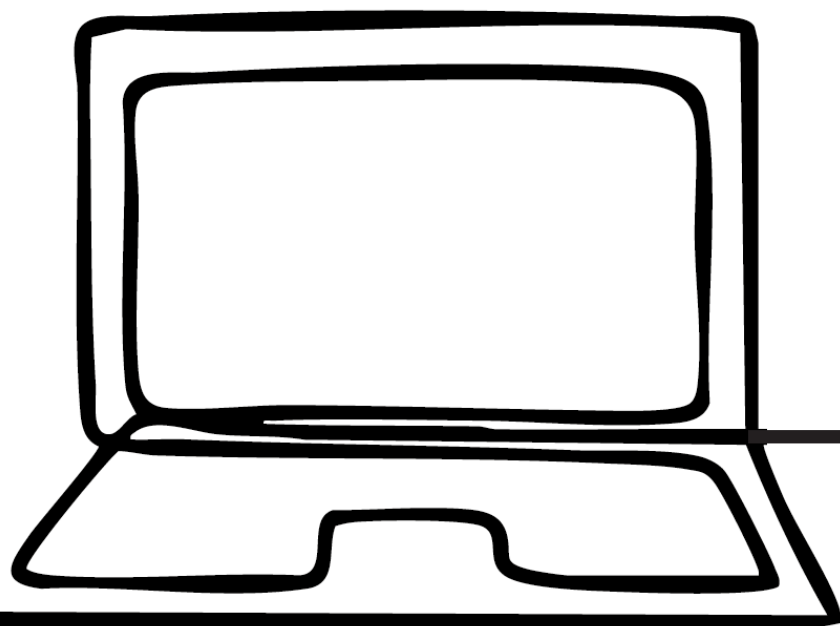
P5

Annelot Siegers
22.01.26

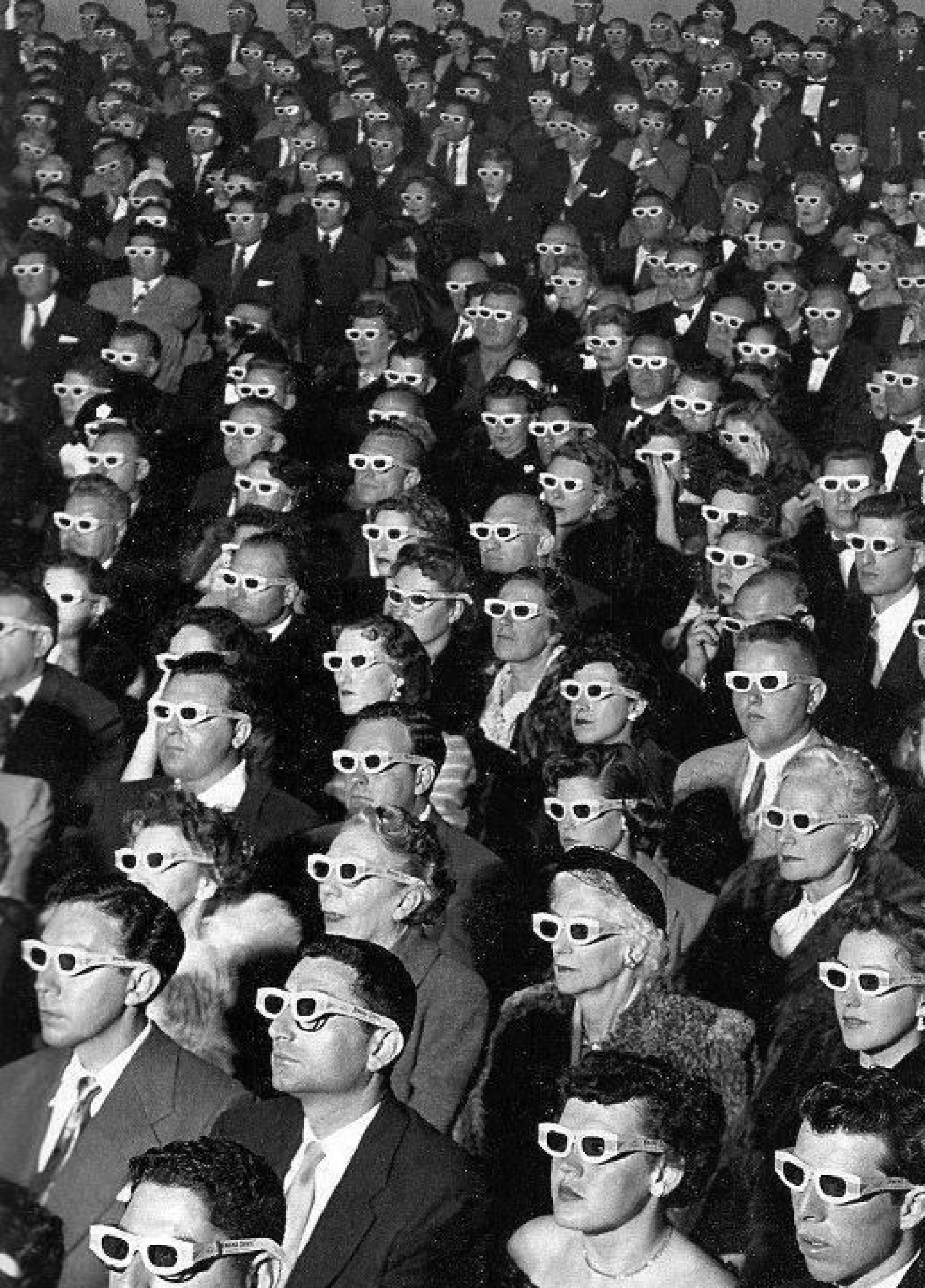


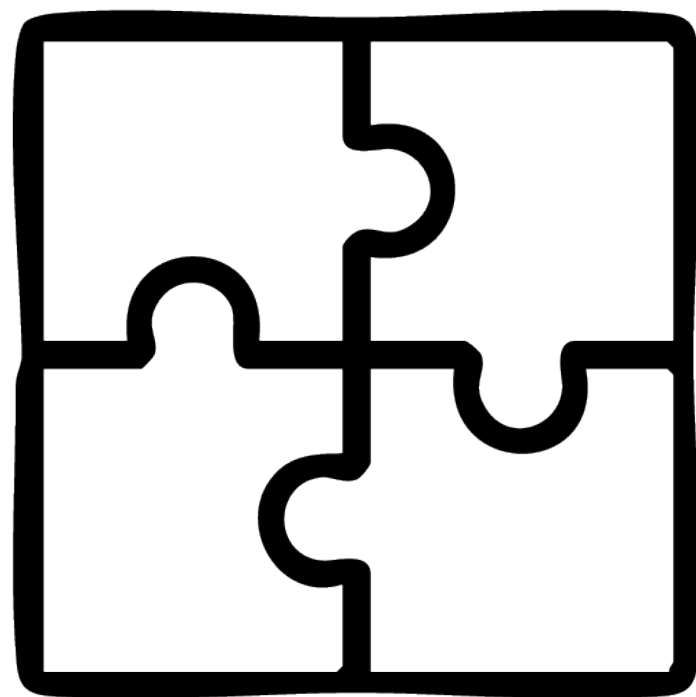


From Physical

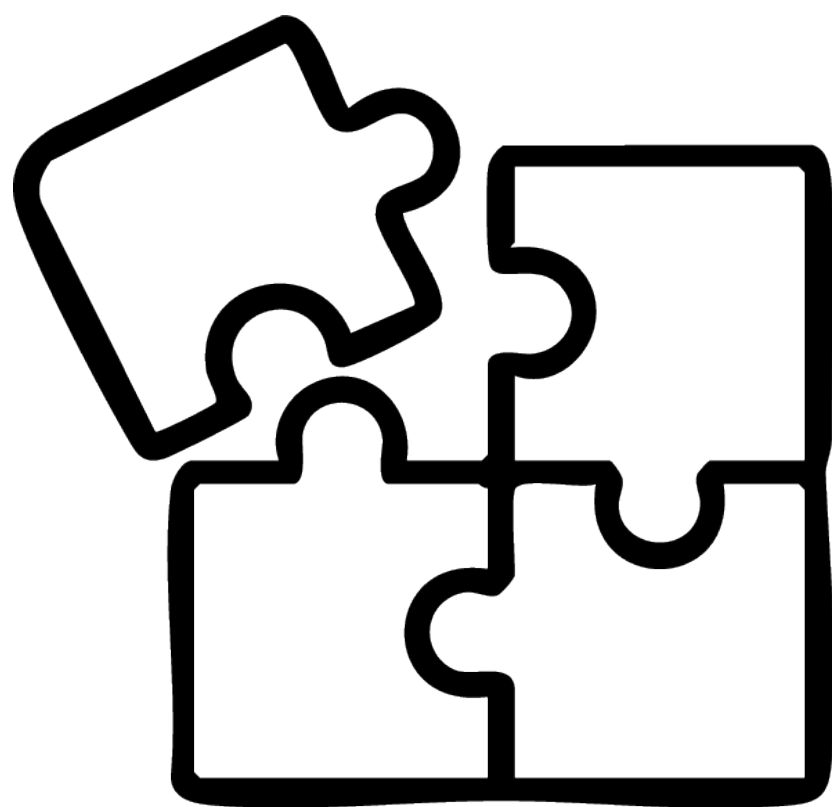


To Digital





From connected



To disconnected

NOS Nieuws • Woensdag 4 september 2024, 08:10 •
Aangepast woensdag 4 september 2024, 09:04

Pleidooi voor AI-richtlijn op scholen: 'Risico's groot, bewustzijn laag'

Tobias van der Valk
redacteur Binnenland

Sophie Moerland

De Algemene Onderwijsbond (AO) pleit voor een richtlijn op het gebruik van kunstmatige intelligentie op scholen, omdat het bewustzijn over AI bij docenten laag is en er kennisverschillen tussen scholen zijn. "Het risico is groot", aldus de AOb.

Zo is het voor leerlingen tegenwoordig niet mogelijk om te maken door tekstgenerator ChatGPT.

NATIONAL

'On-campus life': first major Australian university to go face-lectures, leaving staff 'furious'

ES ANDREW MILLER NTEU THE UNIVERSITY OF ADELAIDE



Caitlin Cassidy
Sep 13, 2024, 12:02 PM

ie digital sphere. Worldwide, [only 48 per cent of all women are online](#), compared to half the total global female population. Especially in low-income countries, these challenges to enable digital inclusion are more pronounced.

Vice Provost's Notes

Learning without borders

Digital education's global reach can bring us together and affirm our shared humanity.

May 15, 2023 | Matthew Rascoff



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INNOVATION

Technology-Driven Education: A New Era of Learning

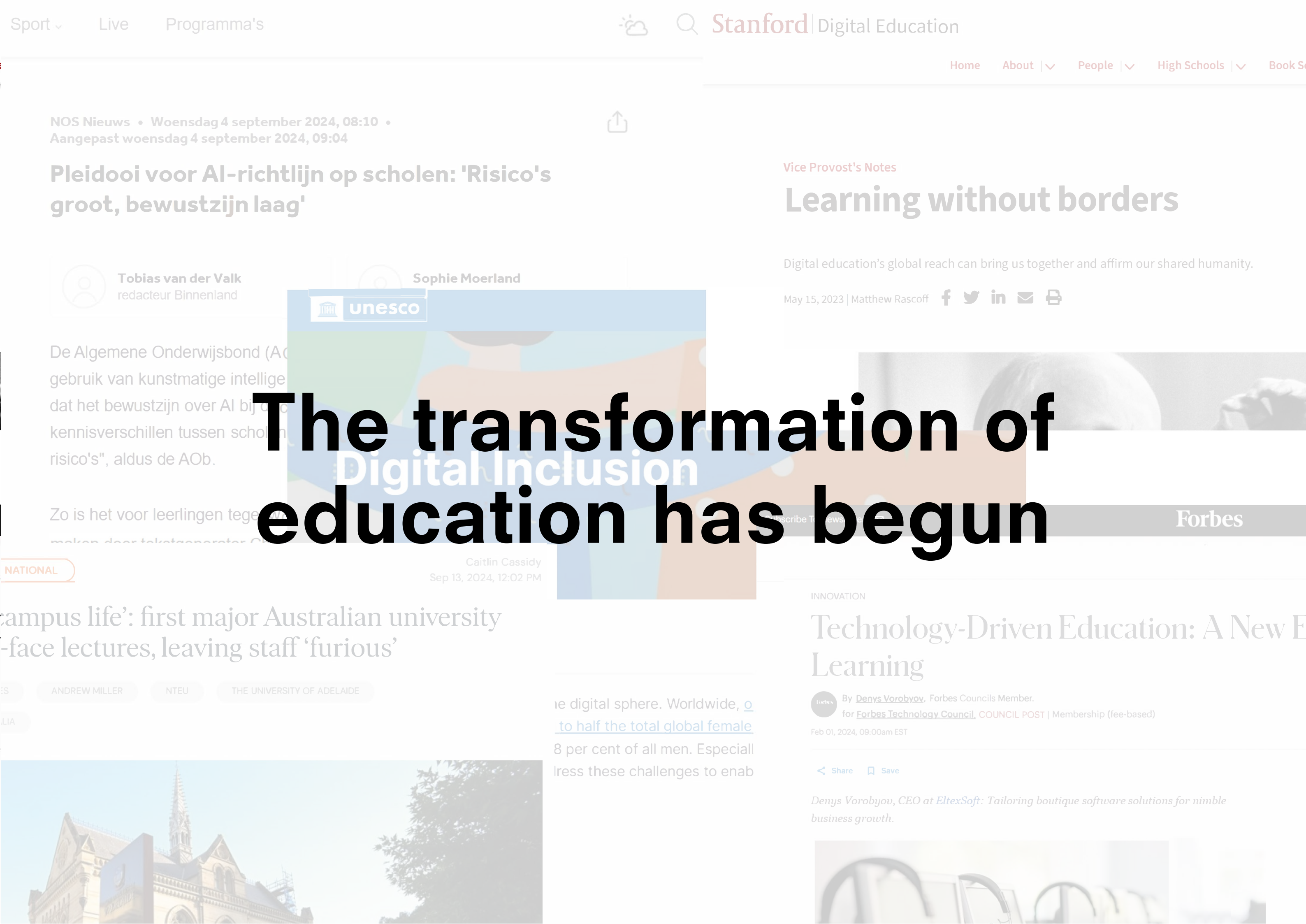
By [Denys Vorobyov](#), Forbes Councils Member.
for [Forbes Technology Council](#), COUNCIL POST | Membership (fee-based)

Feb 01, 2024, 09:00am EST

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Denys Vorobyov, CEO at [EltexSoft](#): Tailoring boutique software solutions for nimble business growth.





NOS Nieuws • Woensdag 4 september 2024, 08:10 •
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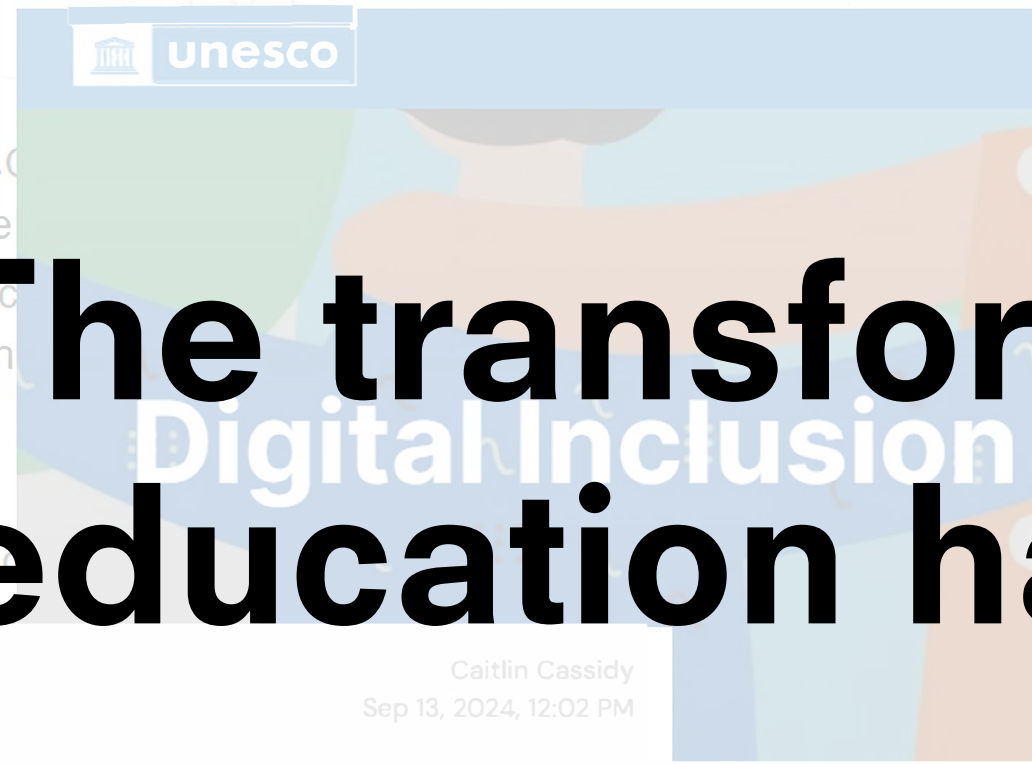
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Zo is het voor leerlingen tegenwoordig niet mogelijk om te maken door tekengenerator ChatGPT.



Caitlin Cassidy
Sep 13, 2024, 12:02 PM

NATIONAL

'Online campus life': first major Australian university goes fully face lectures, leaving staff 'furious'

ANDREW MILLER
NTEU
THE UNIVERSITY OF ADELAIDE



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INNOVATION

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 Share  Save

Denys Vorobyov, CEO at EltexSoft: Tailoring boutique software solutions for nimble business growth.



Artificial Intelligence

Smart Learning

Hybrid Learning

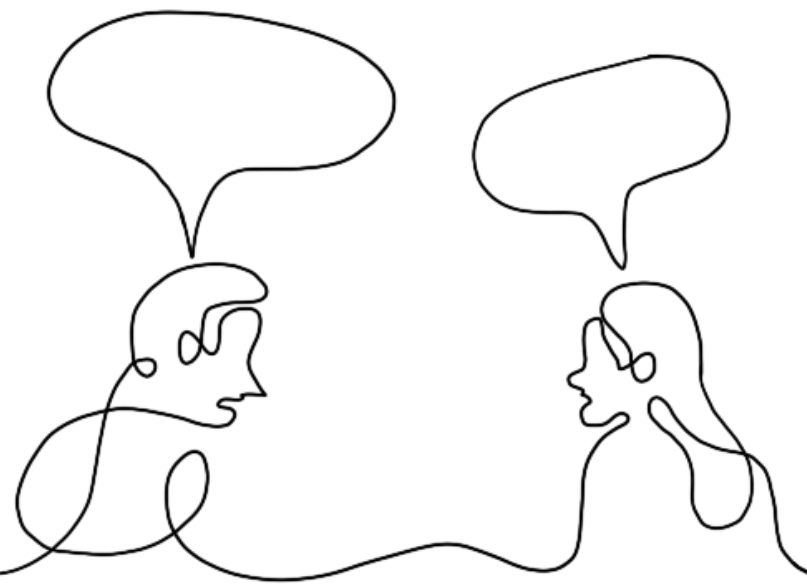
Online

Different Realities

Customized Learning

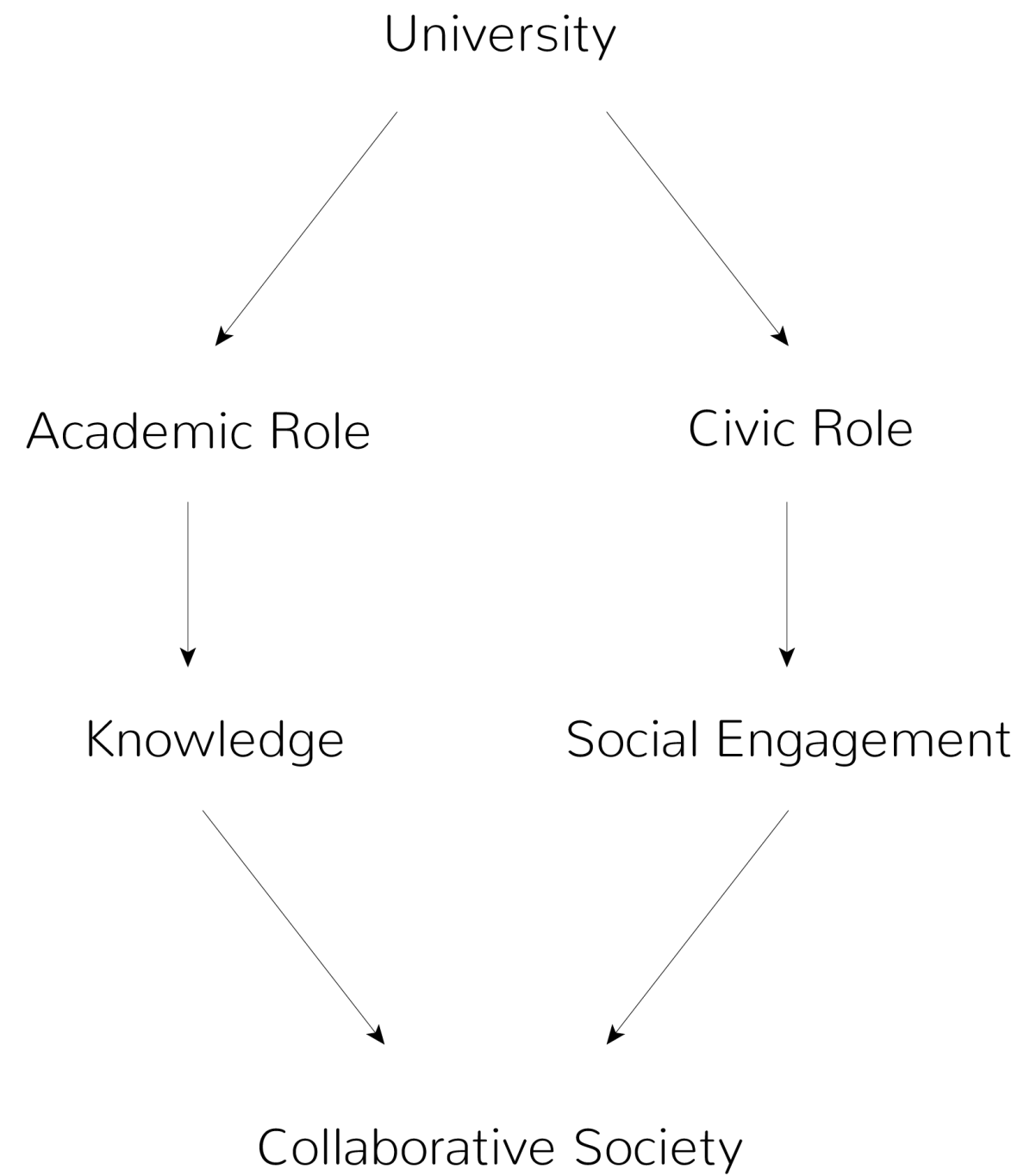
If the exchange of knowledge can happen anywhere at any time, what role do university spaces still play?

What if universities are social spaces,
more than learning spaces?

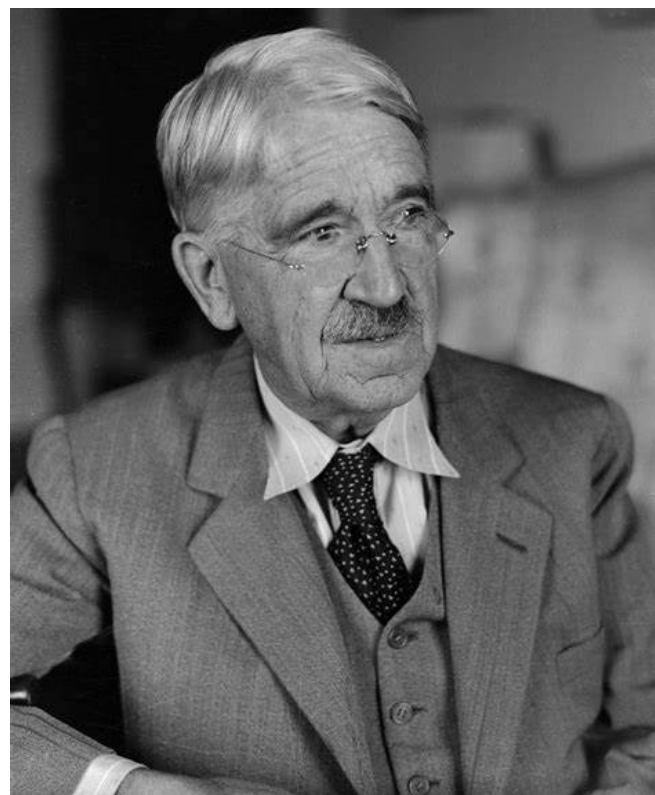




Student Protests Milan 1968 (Kurz & Tolomelli, 2008)



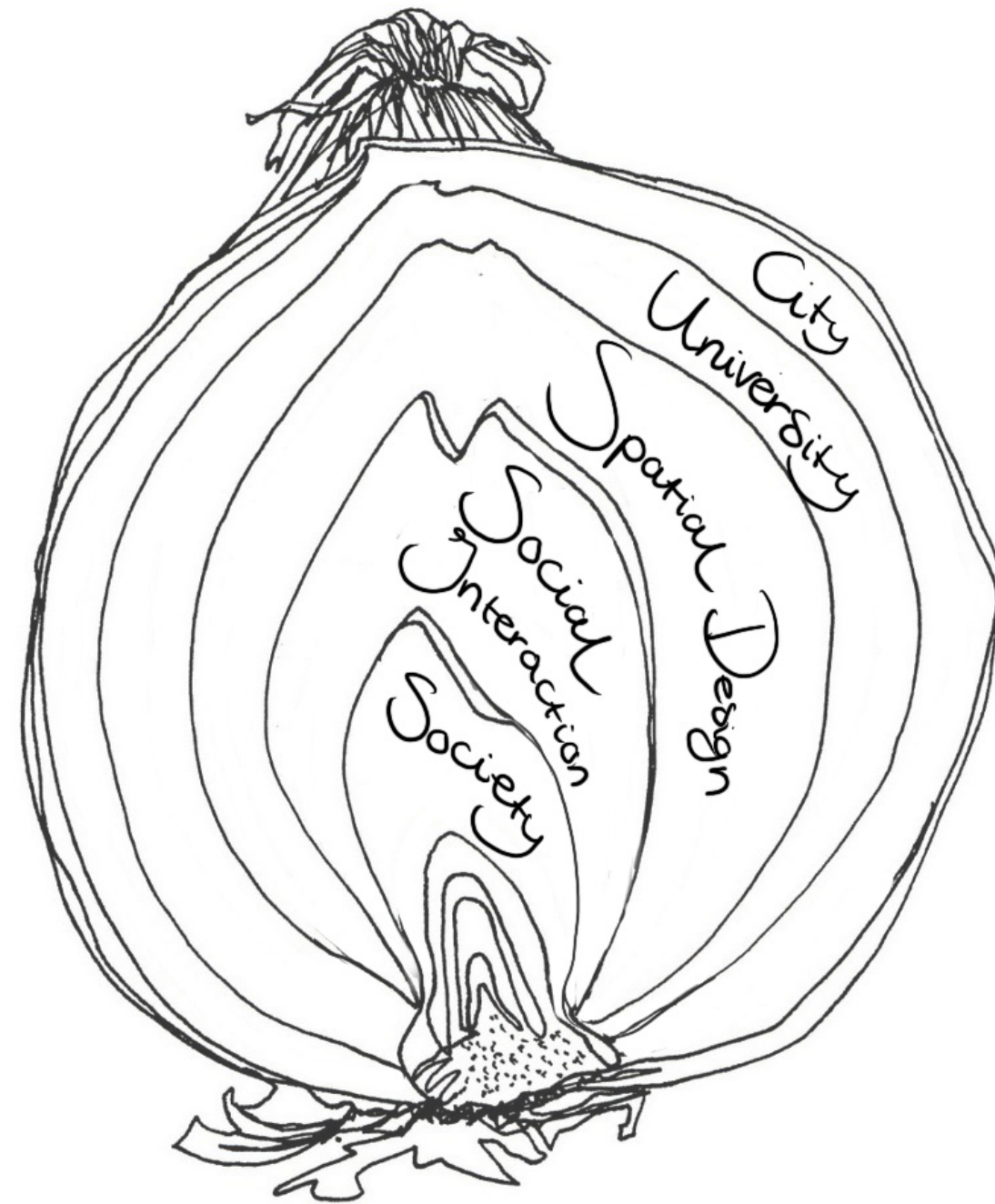
Social interaction → Democratization → **Social engagement** → Collaborative society



Rather than focusing on the political meaning, Democratization refers to the process where students develop social skills and actively participate in society through social interaction.

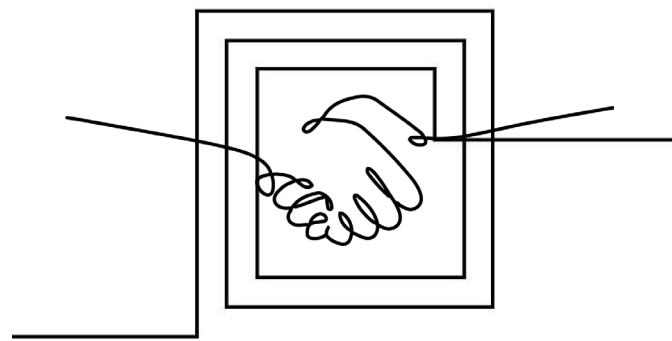
‘Educating people about the concept of ‘living together’
(John Dewey, 1916)

Through...
Interactions with other students
Shared use of space
Encounters with differences
Ongoing participation in dialogue
Debate

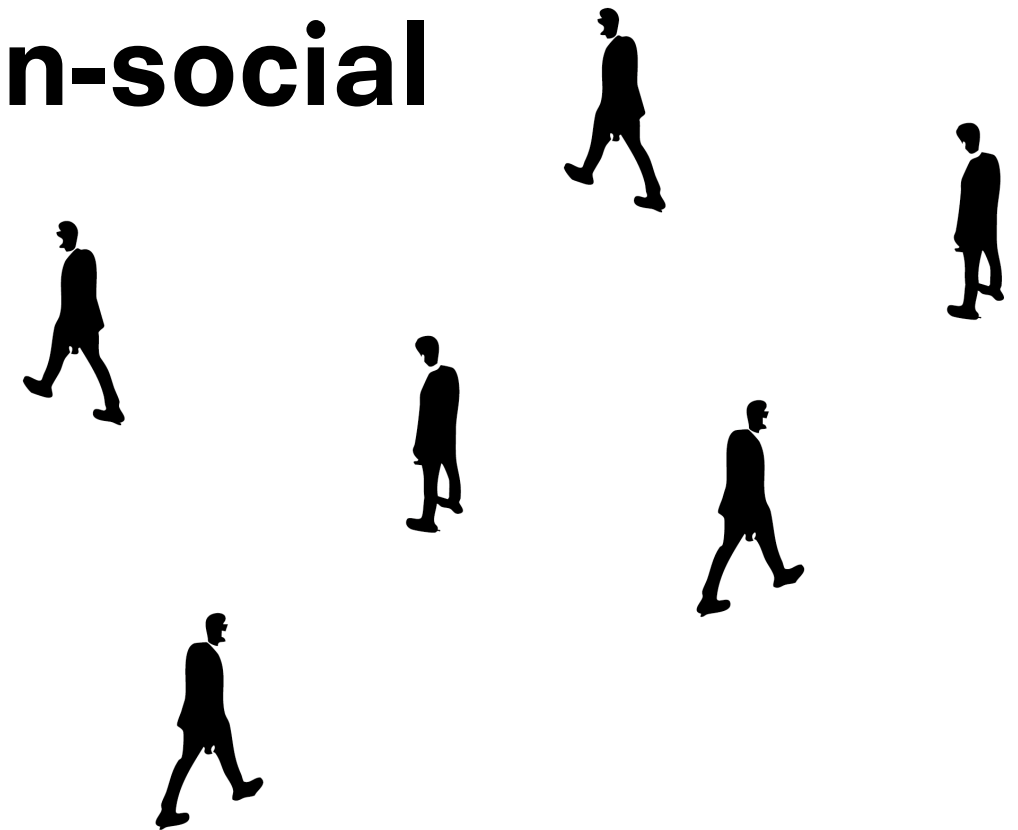


Civic Role

Social engagement

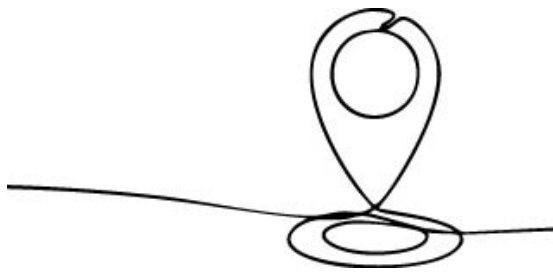


Challenging the non-social

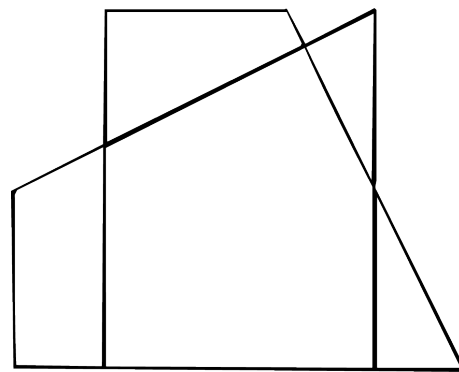


An aerial photograph of Milan, Italy, showing a dense urban landscape with a mix of historic and modern architecture. In the foreground, a large, modern building complex is proposed, featuring several interconnected, rounded, and wavy forms with a metallic, ribbed facade. The building is surrounded by green spaces and trees. In the background, the city skyline is visible, including the Duomo di Milano and other skyscrapers. The text "Design a New Building for the Bocconi University in Milan" is overlaid on the image in a large, white, sans-serif font.

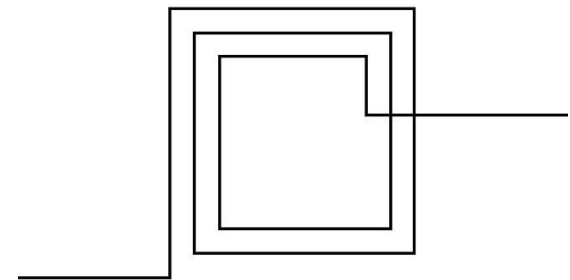
Design a New Building for the Bocconi University in Milan



Milan



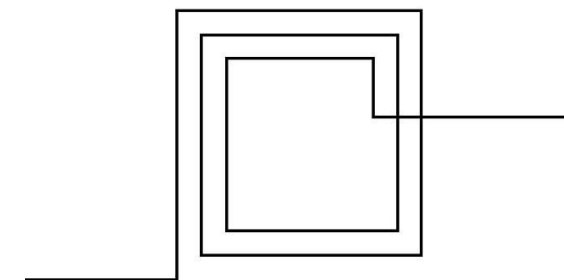
University



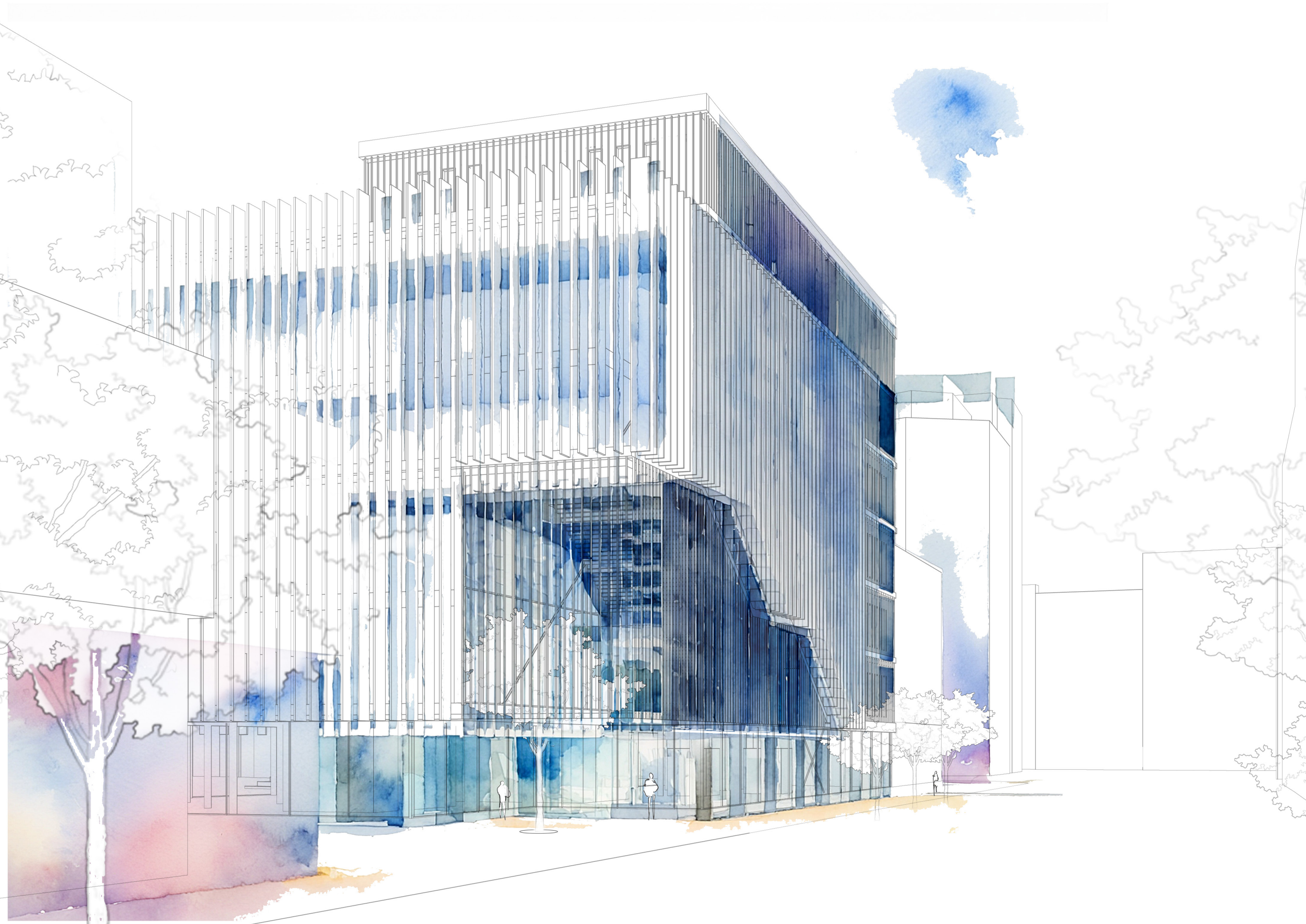
Civic

STUDIO LENS

‘Civic’ describes the connection made between the different scales of society. A civic building forms a bridge between the larger scale of urban structures and the smaller scale of daily life.



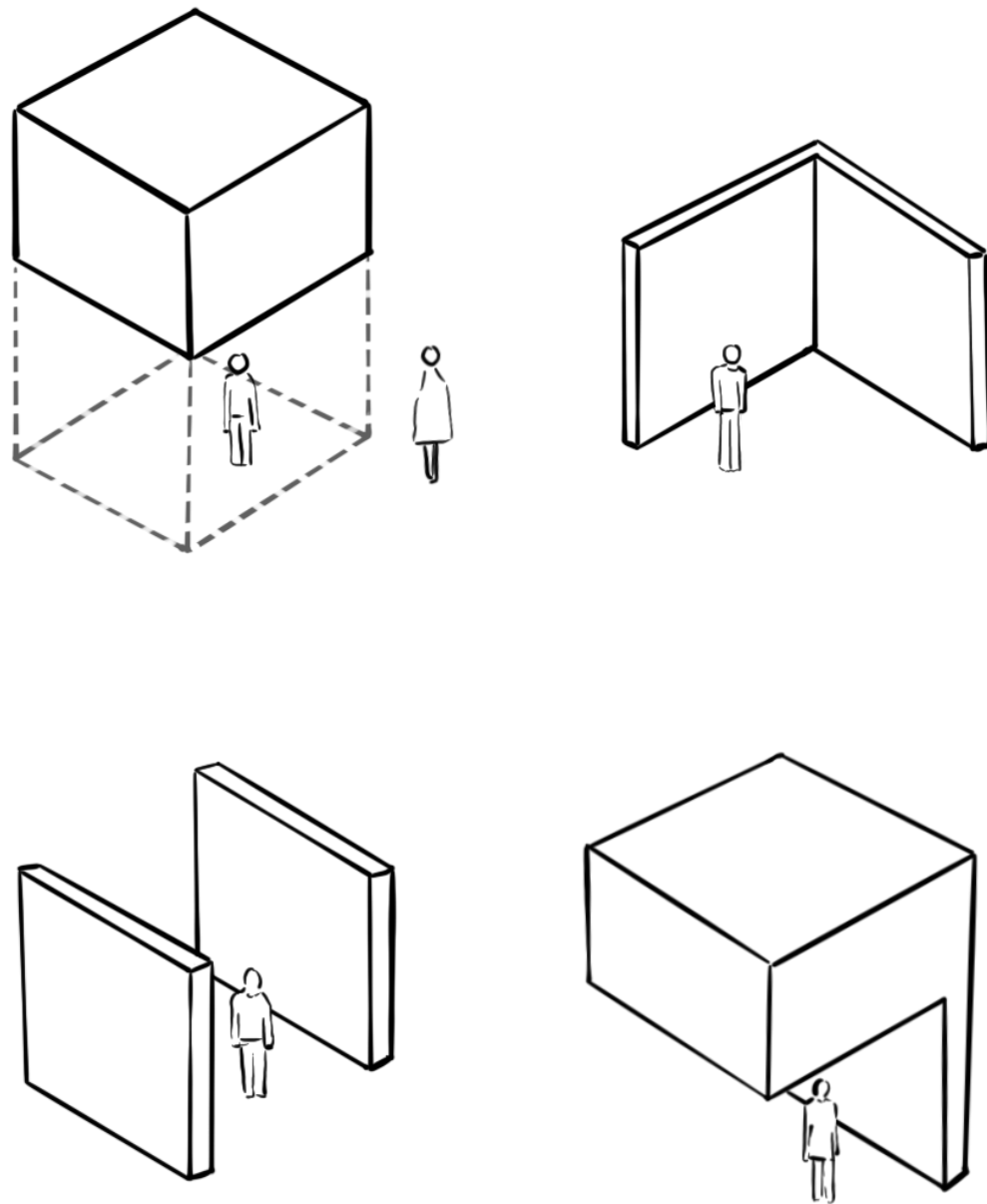
Civic



RESEARCH QUESTION

'How can university spaces adapt to the digital transformation of education while sustaining their civic role in fostering social engagement?'

RESEARCH



University without walls

The **European university institute** describes their vision for European universities in 2030 as a 'university without walls'. With this they mean universities that are more **open and engaged in society** while sustaining their role as knowledge center.

Universities have to build on their **capacity to evolve and become the drivers of societal change**. They will provide an open, transformative space for common knowledge production through research, education, innovation and culture (EUA, 2021)

Future university spaces

To imagine the classroom of the future, we must first **change our own beliefs about learning spaces**, moving away from formal learning and embracing the informal. And from seeing learning as listening, reading, and taking notes to seeing it as **situated actions, collaboration, coaching, and other forms of interaction** (Philip Long, 2005).

BENCHMARKERS



Architecture Faculty - Delft
2008
Braaksma & Roos Architecten
35.400 m² Total floor pace



Väre Building - Espoo
2018
Verstas Architects
45.400 m² Total floor pace



Law Faculty - Paris
2019
Chartier Dalix Architectes
9710 m² Total floor pace

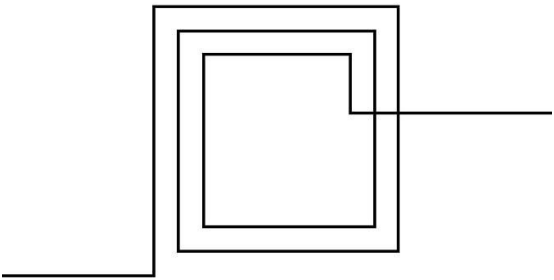


Haus der Digitalisierung - Tulln
2022
Gallister+Partner, Kronaus Mitterer
4991 m² Total floor pace

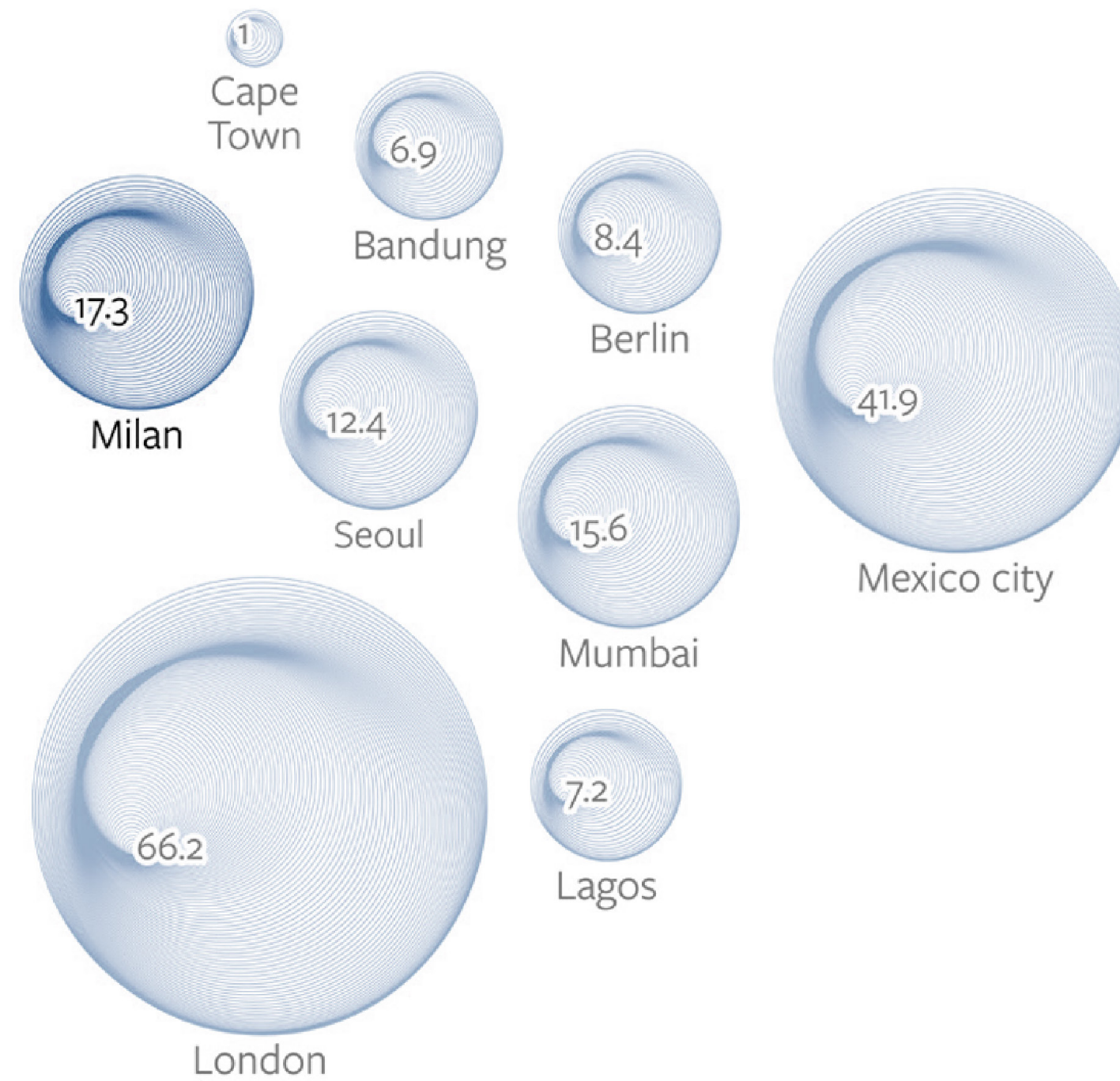
LOCATION

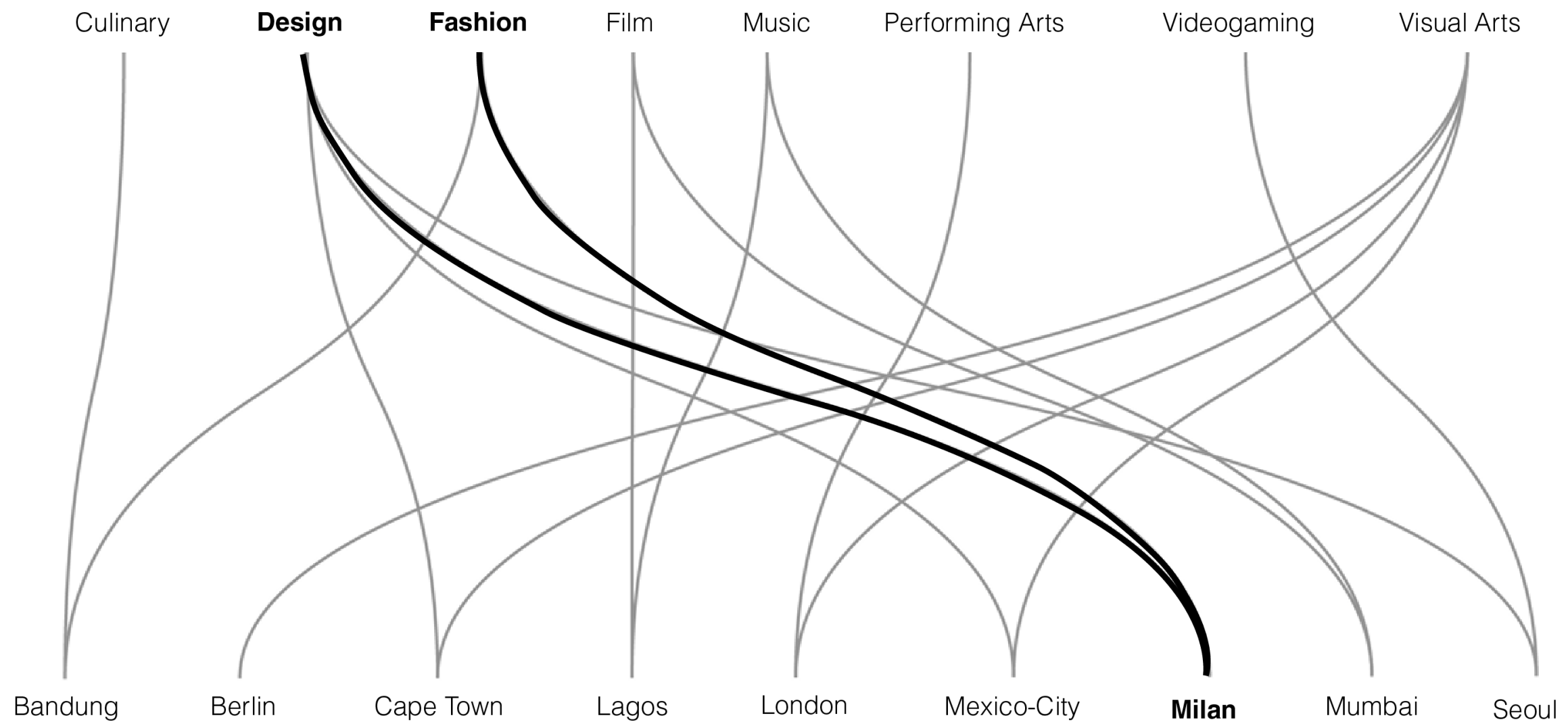






Civic







MILAN FASHION WEEK



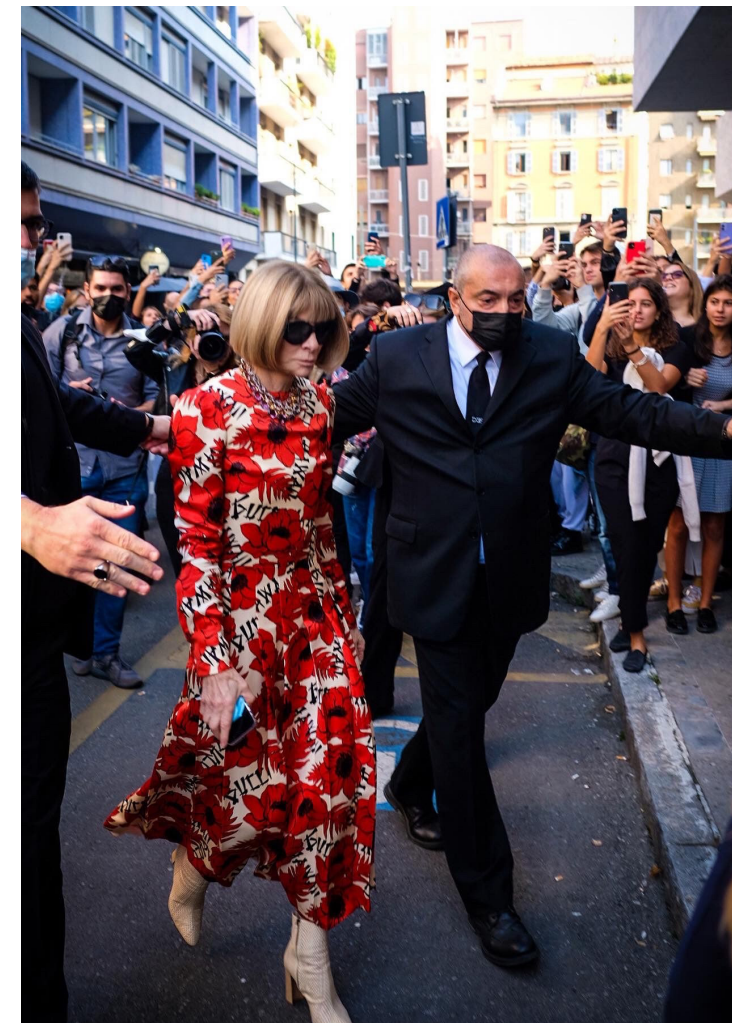


MILAN DESIGN WEEK

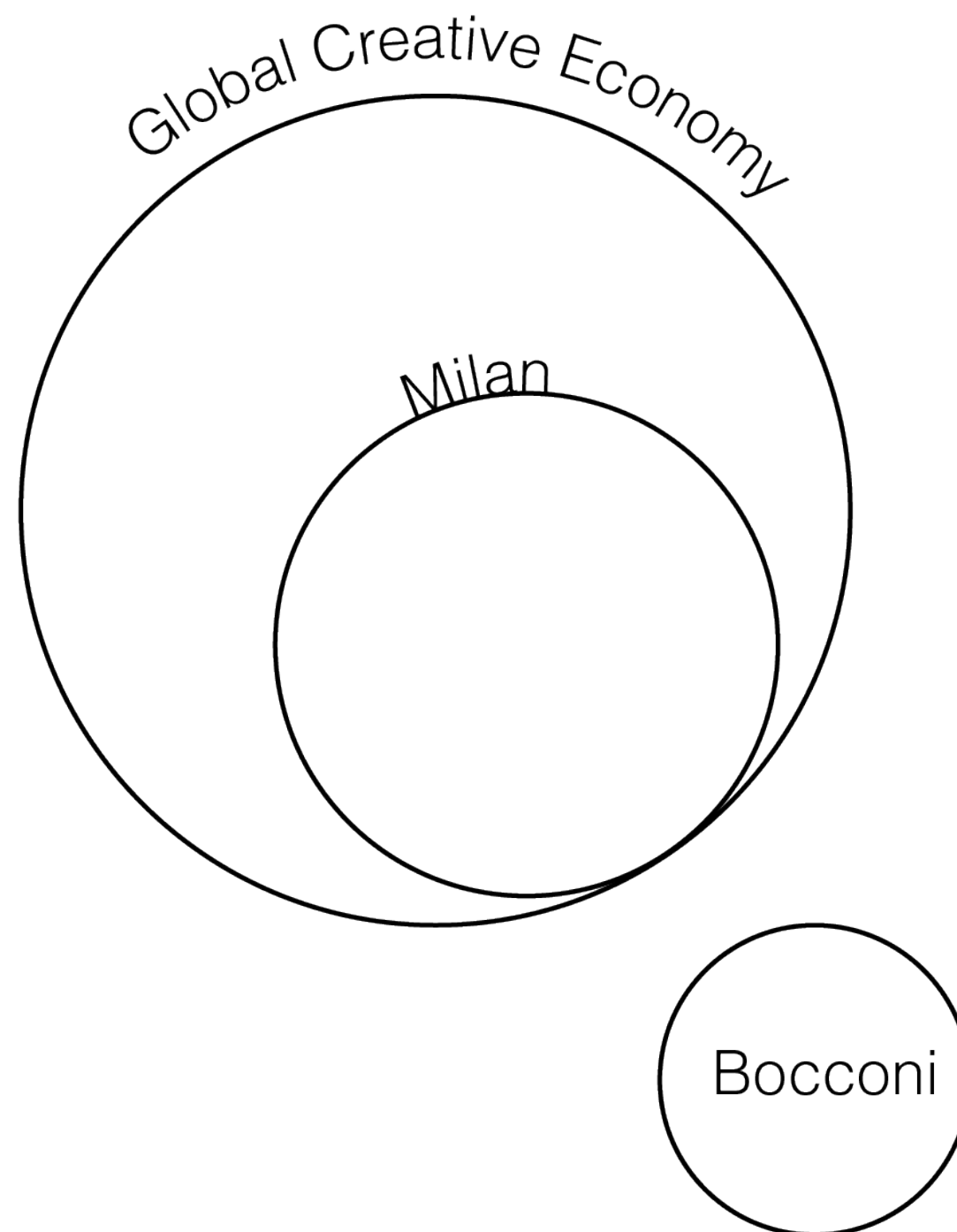
phonet



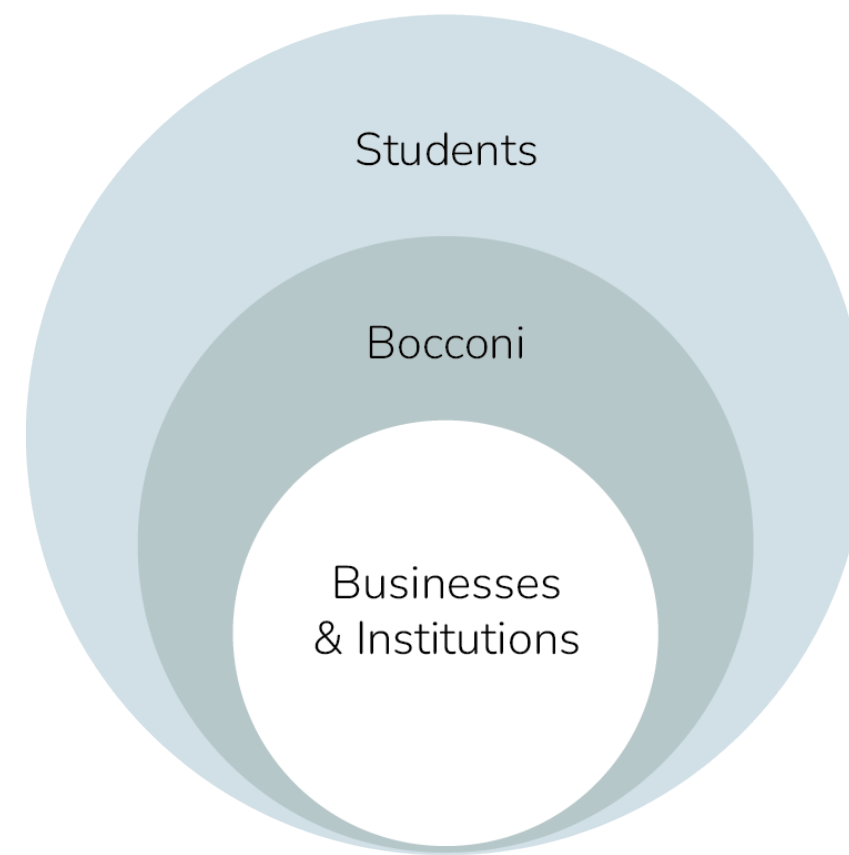
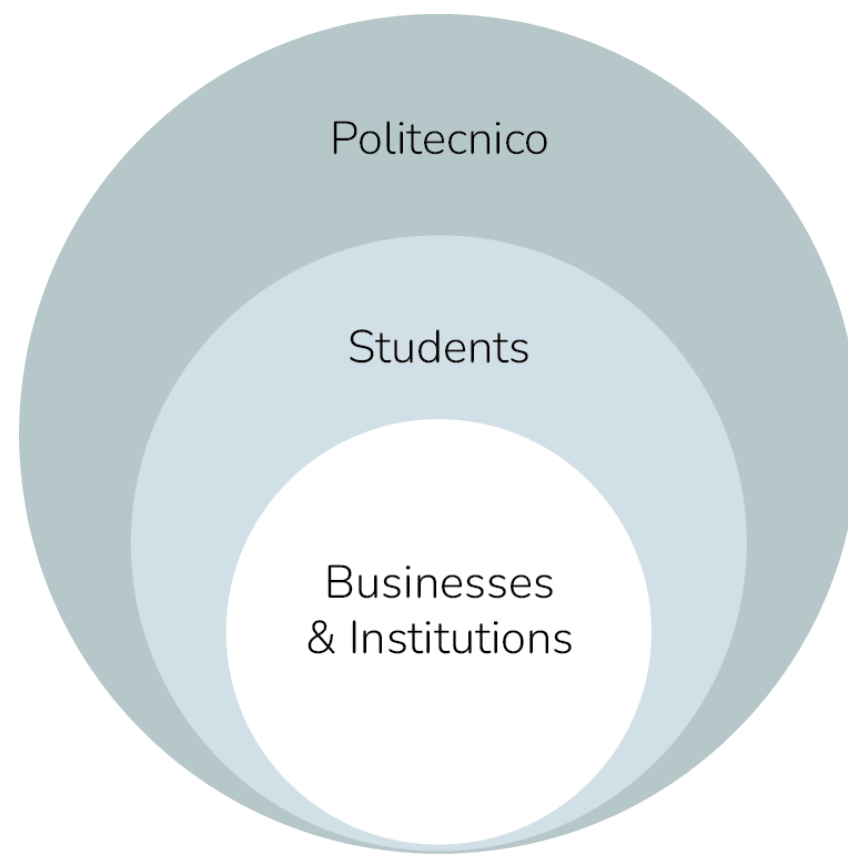
Bocconi featured in fashion week campaign (Russo, 2024)



Anna Wintour at Bocconi (Benigno, 2025)









CLIENT



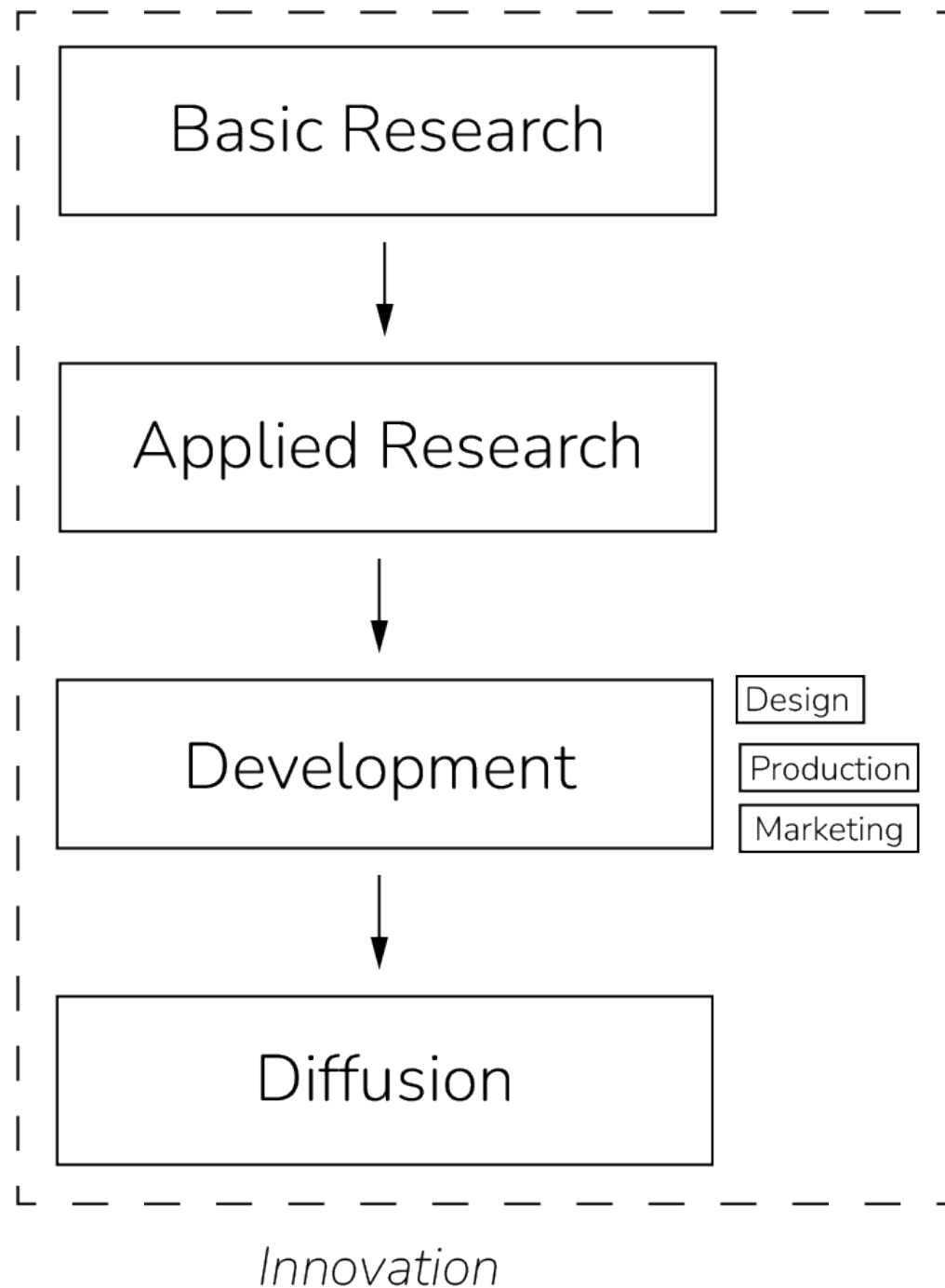
Bocconi
Università Commerciale
Luigi Bocconi

920th in the **world**
36th in **Italy**

CLIENT



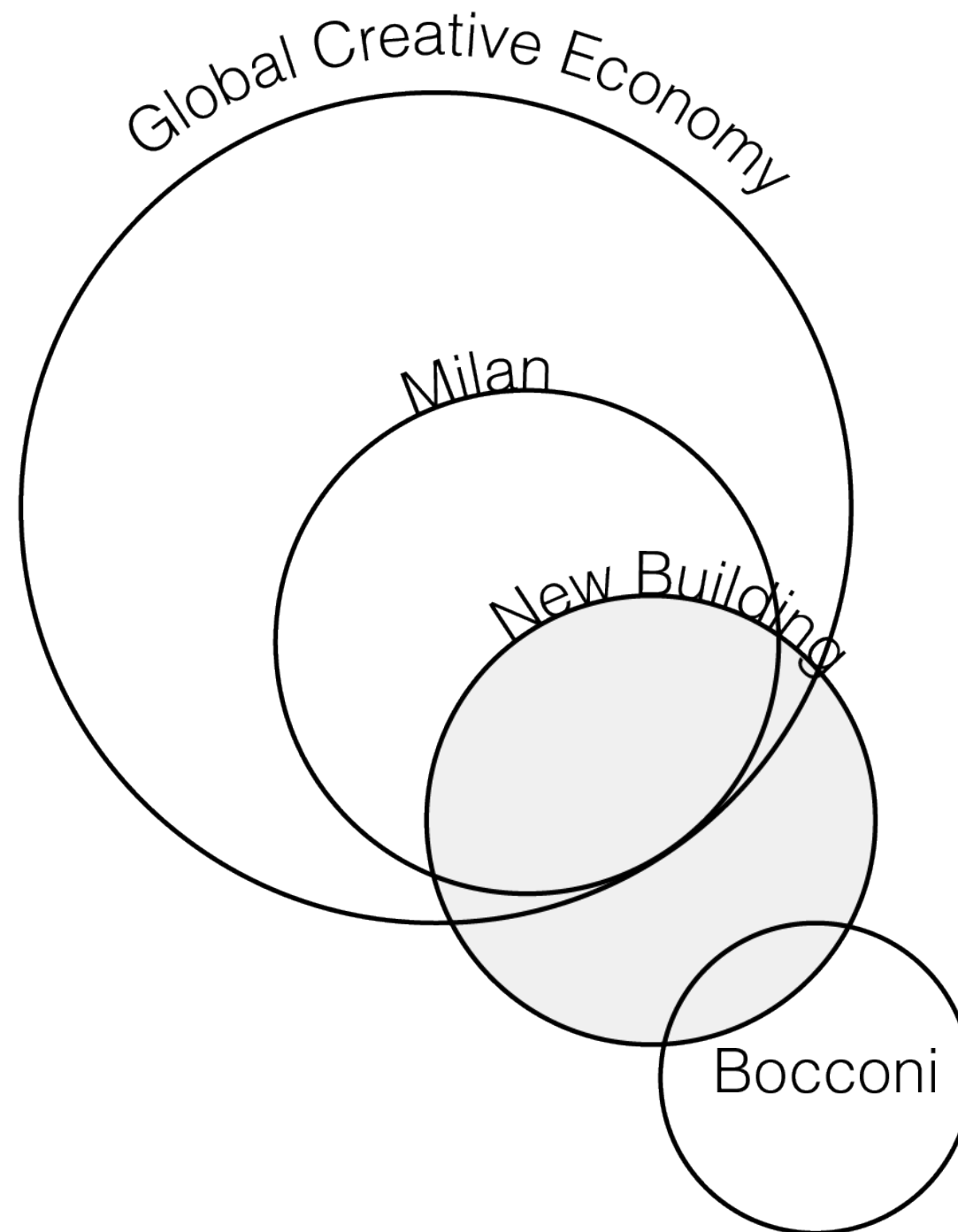
Leading Global University
Innovation & Entrepreneurship



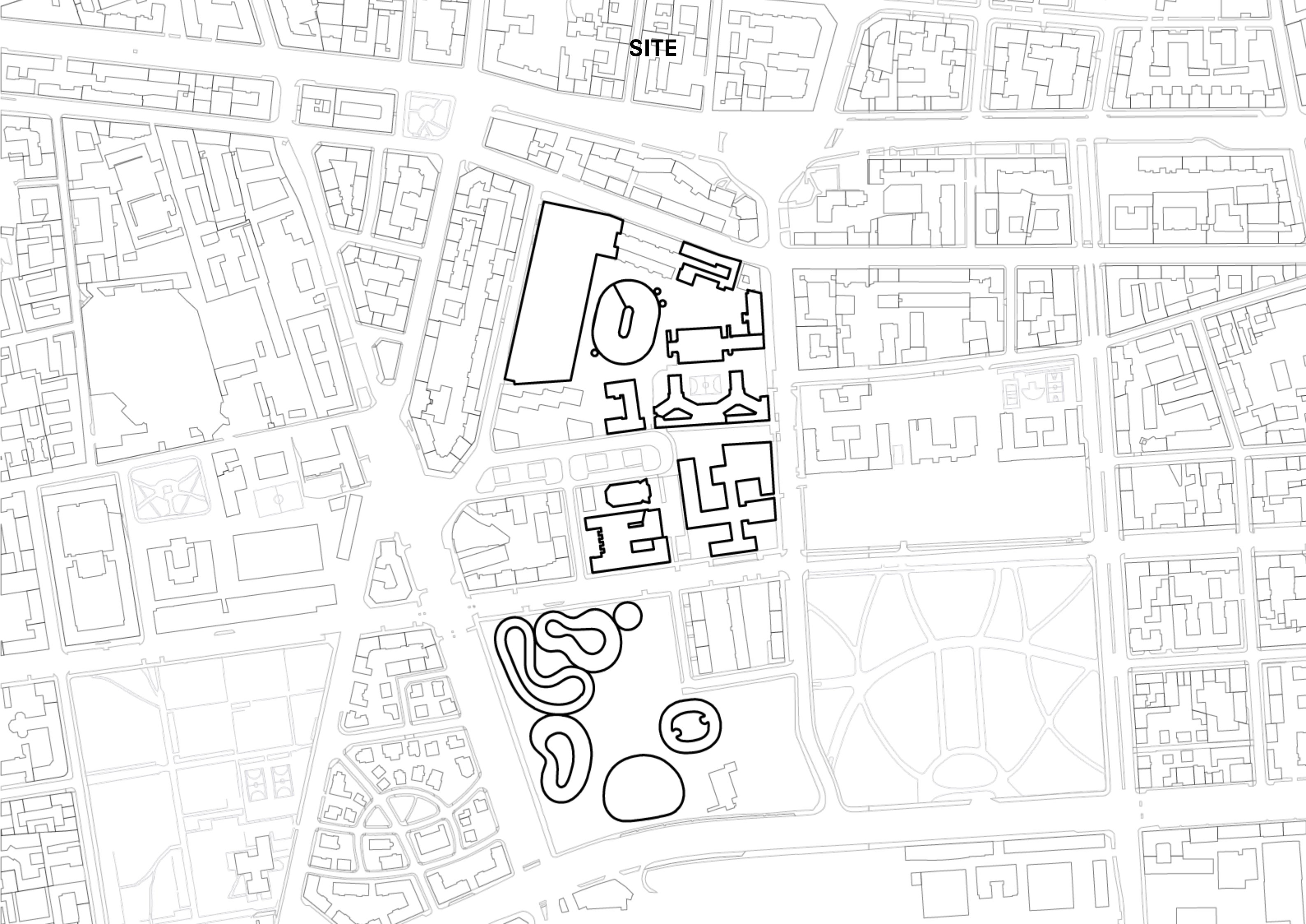
The linear model of innovation

The digitalisation of education provides an opportunity for universities to **commercialize their research findings more quickly**. Presenting an opportunity to **strengthen the university's connection to the creative economy** (Pingki, Silamat, Hernawati & Rahman, 2025).

The process of moving from basic research to applied research to research development can be sped up. **Universities that serve as an engine of innovation** (Godin, 2006).



SITE





1941

Giuseppe Pagano
Rationalism



1965

Giovanni Muzio
Rationalism



2001

Ignazio Gardella
Late Modernism



2008

Grafton Architects
Contmpr. Brutalism

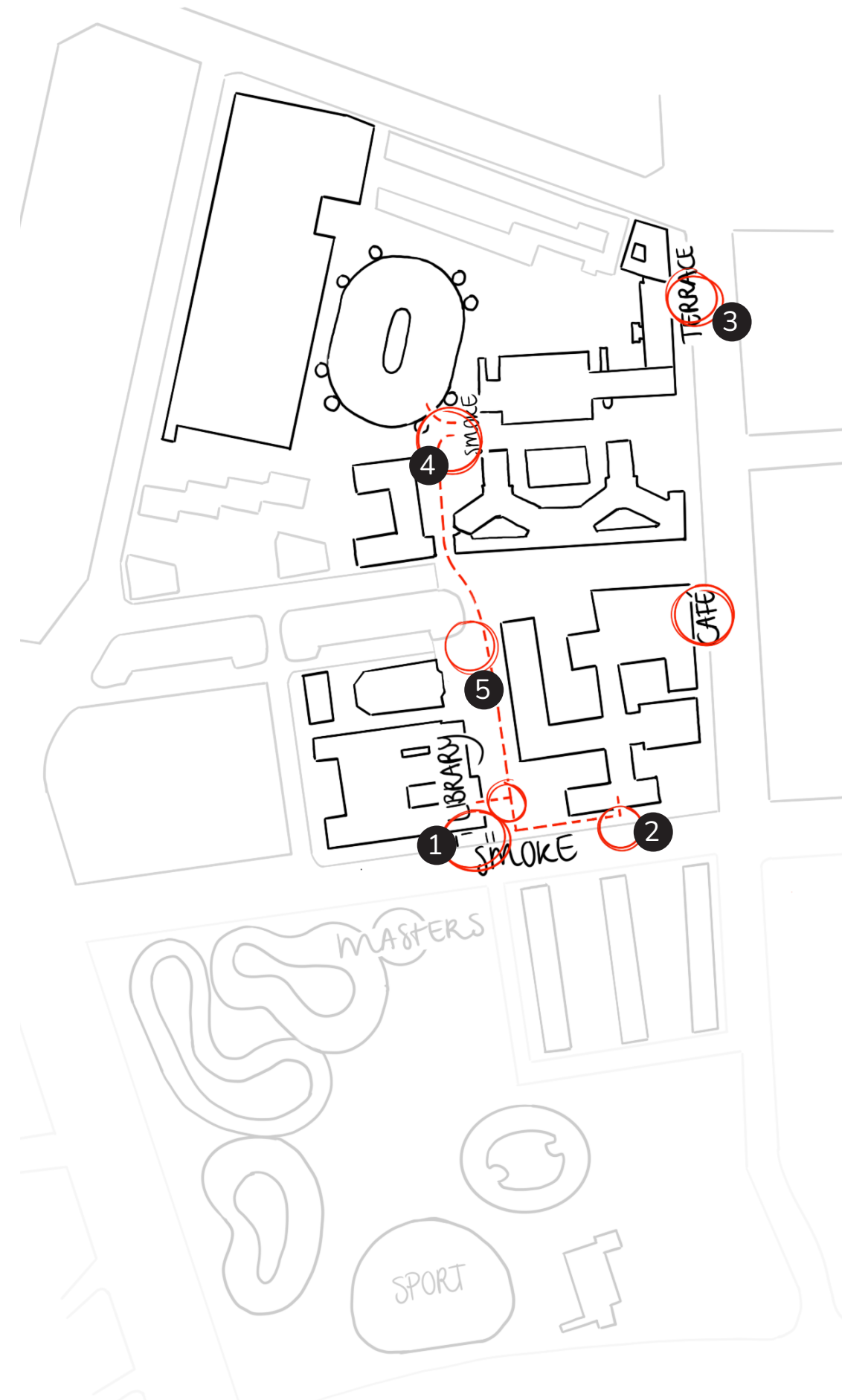


2019

SANAA
Contmpr. Minimalism

Designed for traditional education

Designed for transformative education

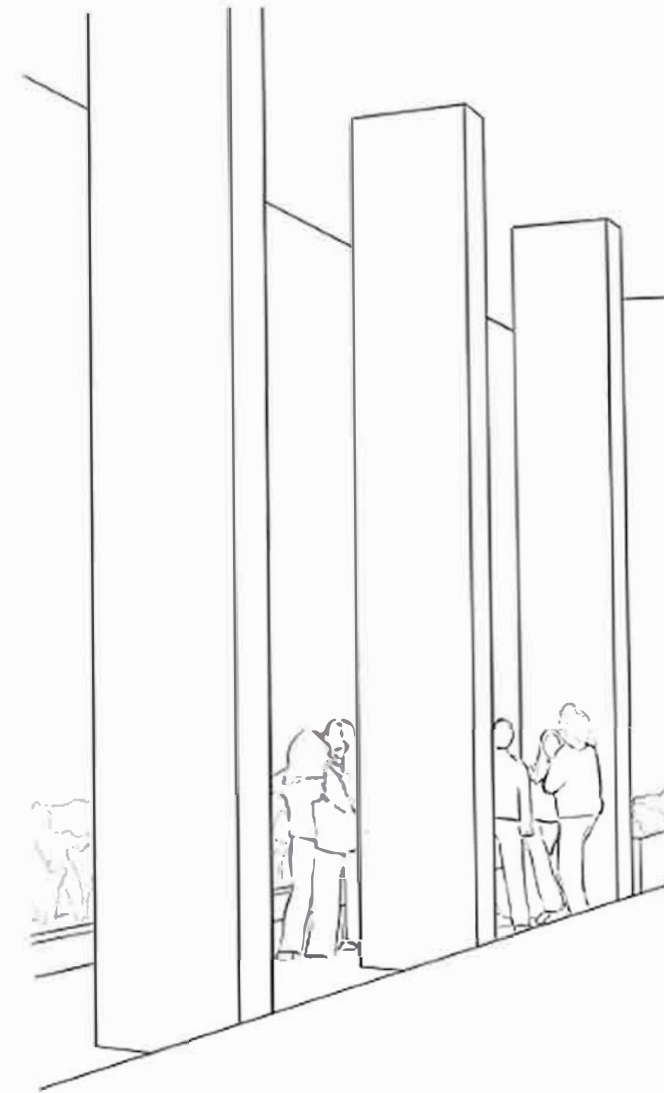


1. Smoking Benches
2. Arcade
3. Terrace
4. Smoking Area
5. Round Benches

Not owned by Bocconi
Owned by Bocconi
Not owned by Bocconi
Owned by Bocconi
Owned by Bocconi



Square with pergola

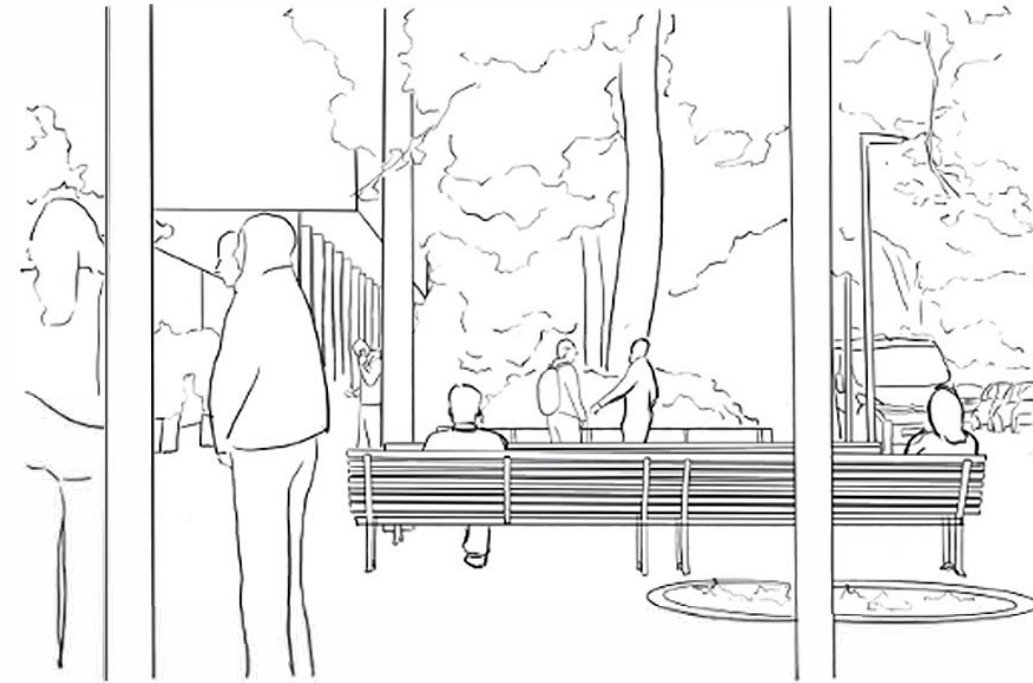


Arcade

Round Benches



Non - Bocconi owned cafés



Governmental Benches

CLIENT

*'The social space is now
the **smoking spaces**'*

*'I go to campus to see my
friends, I barely go to any
lectures'*

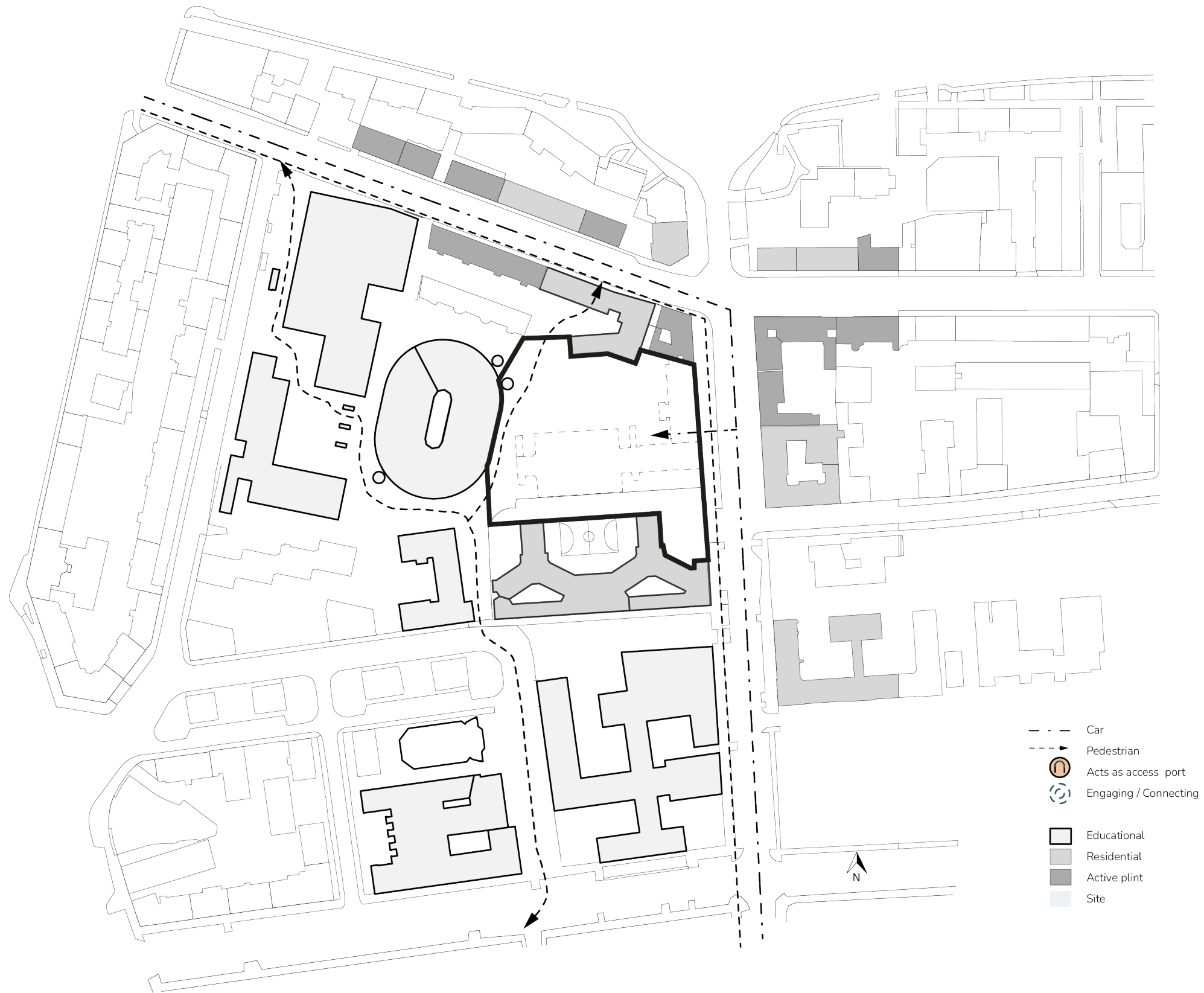
*'The university is not only
a place for lessons and
learning, but also to find
a **community** and it is
a way to create a more
professional network'*

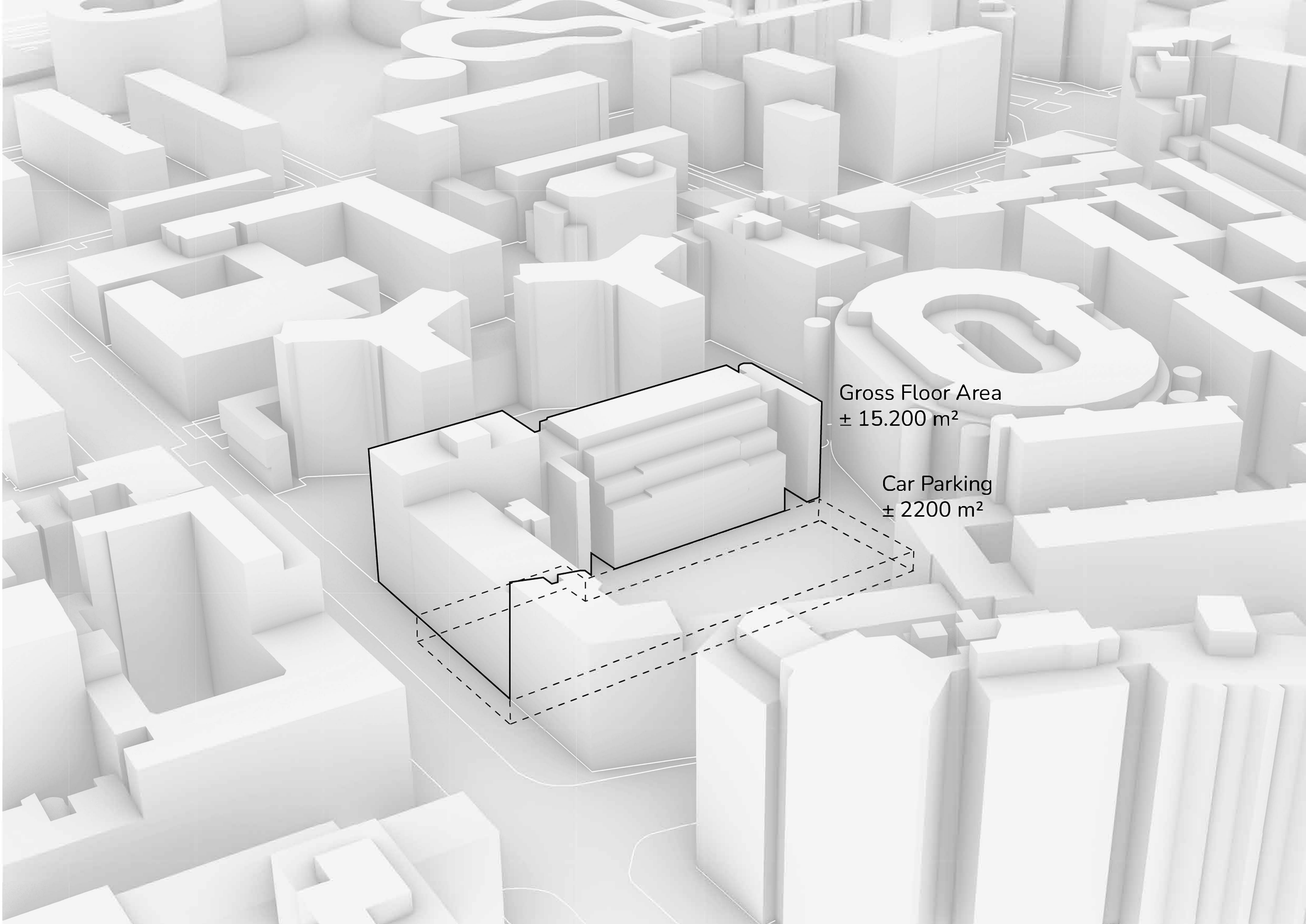
*'Maybe I would like a
place to **meet people**
from other courses'*

*'I see more **computers**
than people'*

*'There is a problem with
the space in the library,
you have to **fight for a
seat**'*

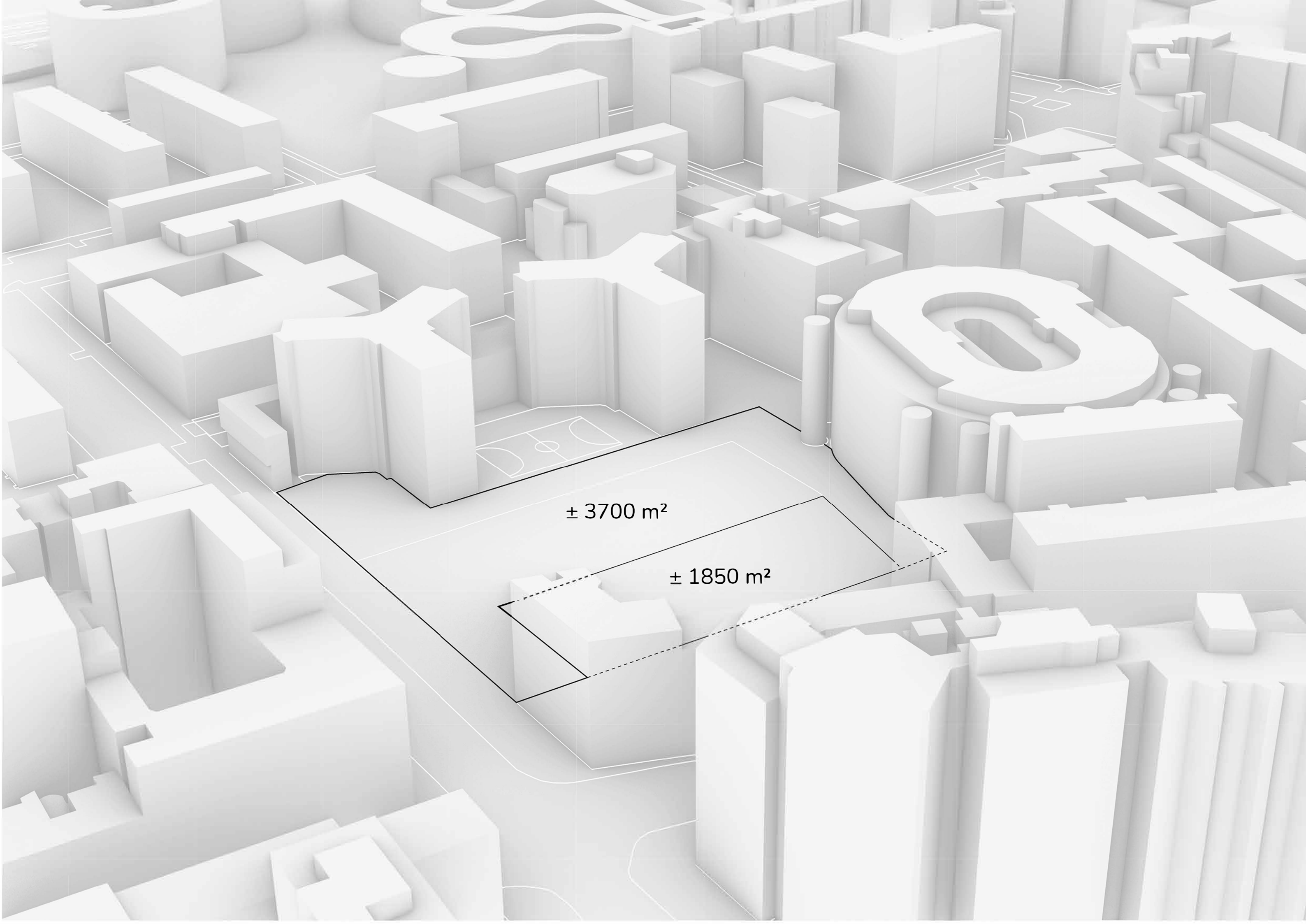
SITE





Gross Floor Area
 $\pm 15.200 \text{ m}^2$

Car Parking
 $\pm 2200 \text{ m}^2$



$\pm 3700 \text{ m}^2$

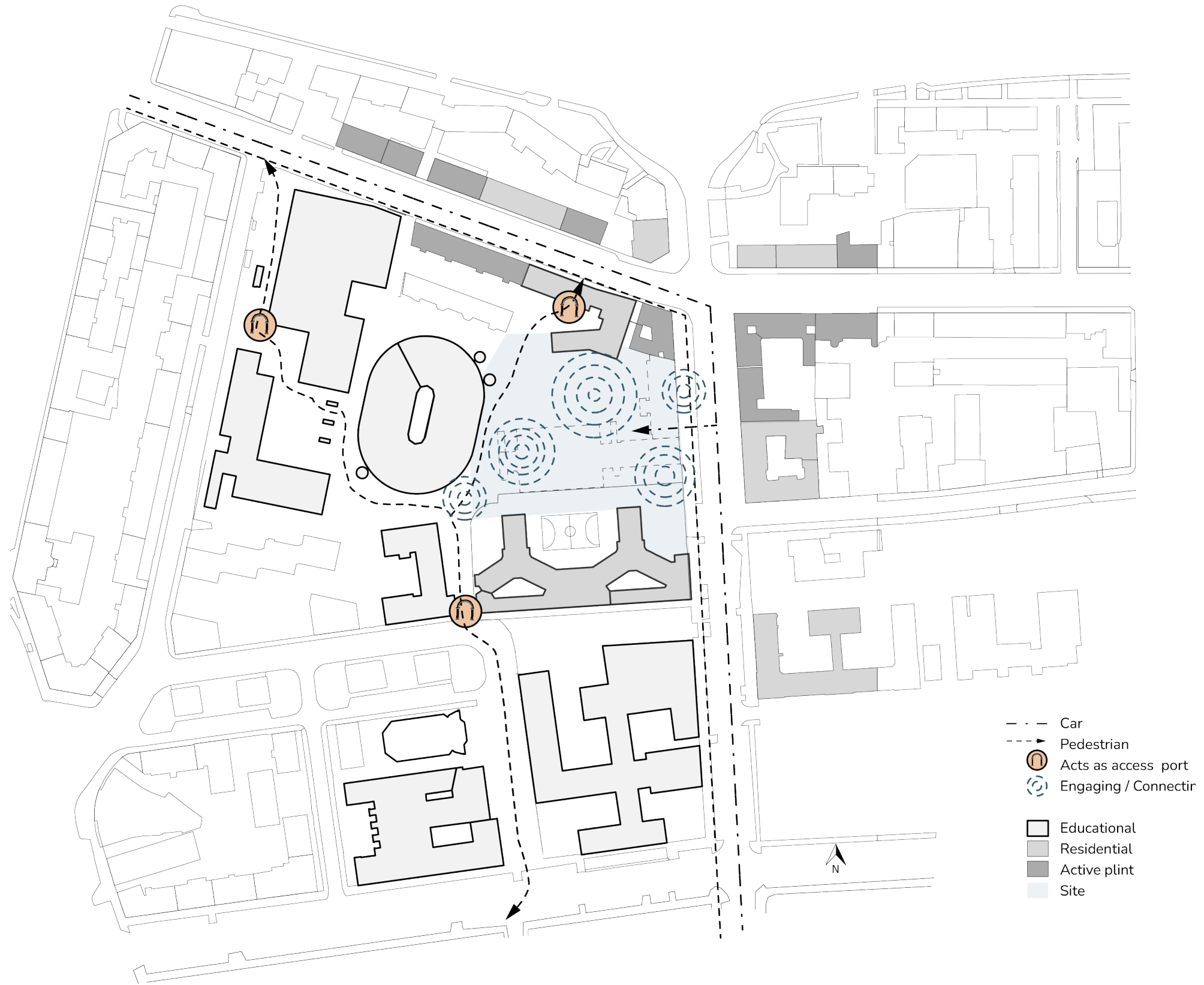
$\pm 1850 \text{ m}^2$

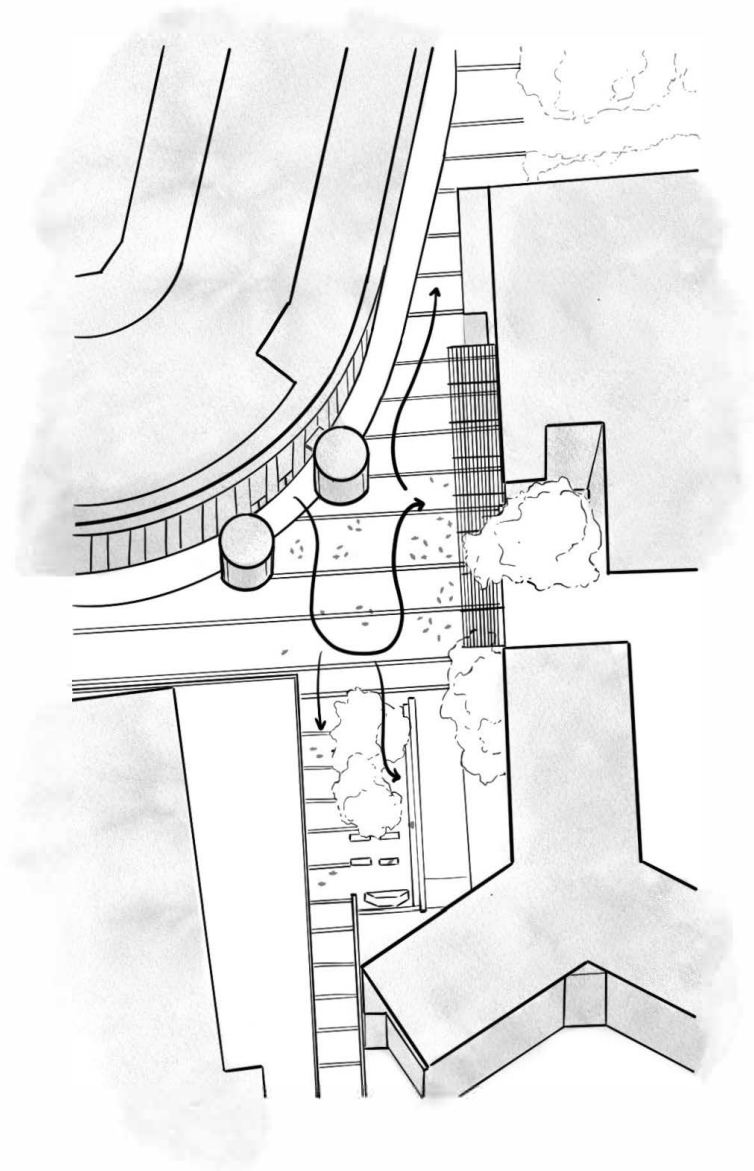
Campus



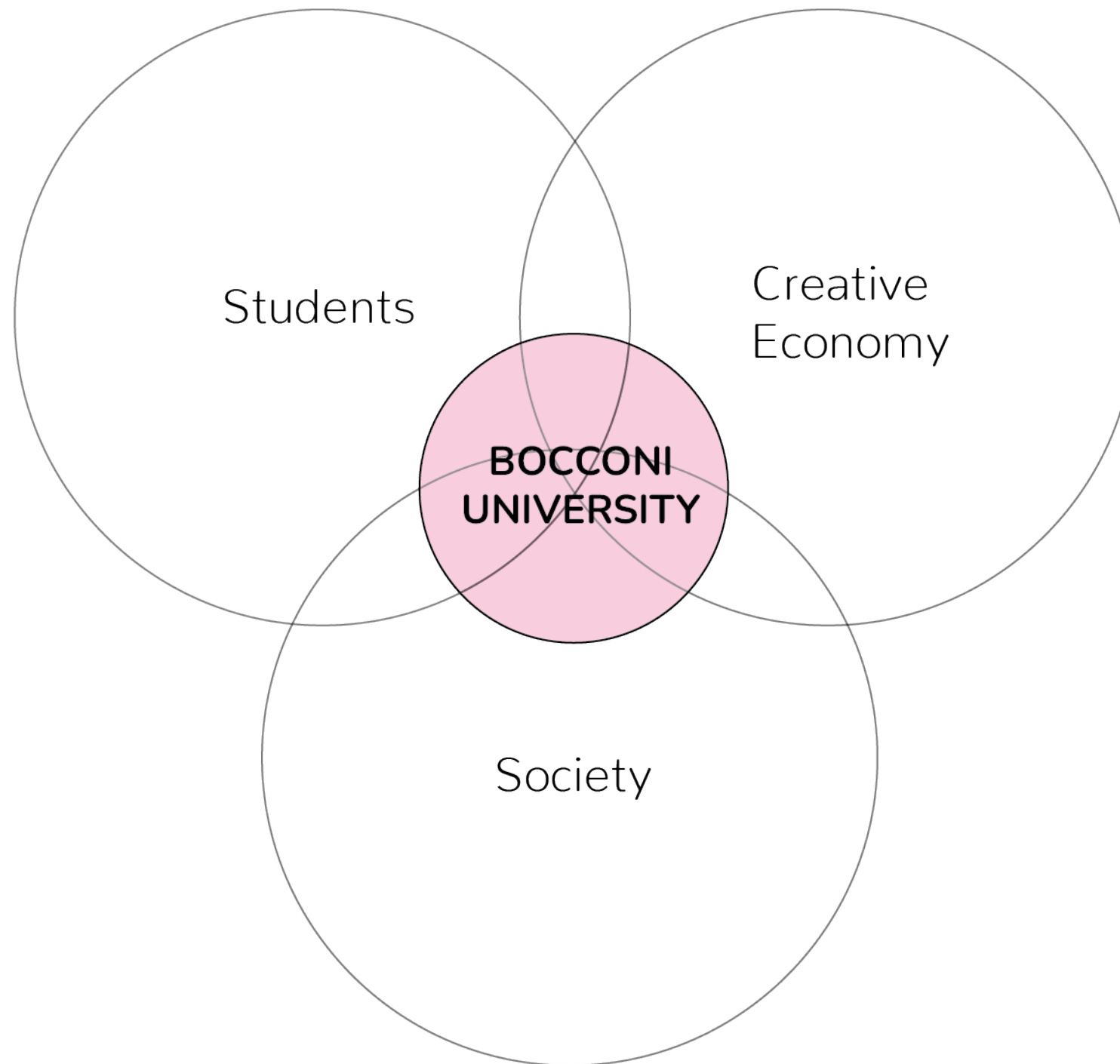
City







OPPORTUNITY



DESIGN BRIEF



AMBITION

THE UNIVERSITY THAT MOVES BEYOND THE CLASSROOM



REQUIREMENT



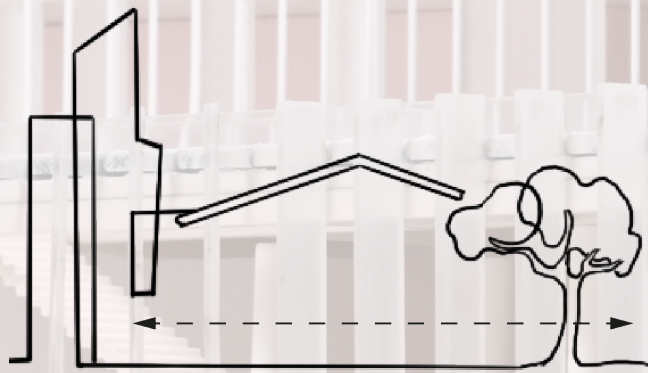
FUNCTION AS SOCIAL HUB

A continuous landscape of interaction





REQUIREMENT



CONTINUITY FROM EXTERIOR TO INTERIOR

Dissolve the boundary



REQUIREMENT

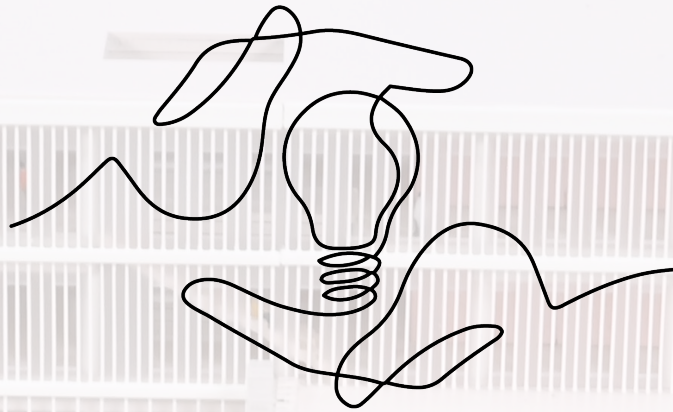


CREATE SPACES FOR THE CREATIVE ECONOMY

*Spaces that invite collaboration, own
initiative and professional experience*

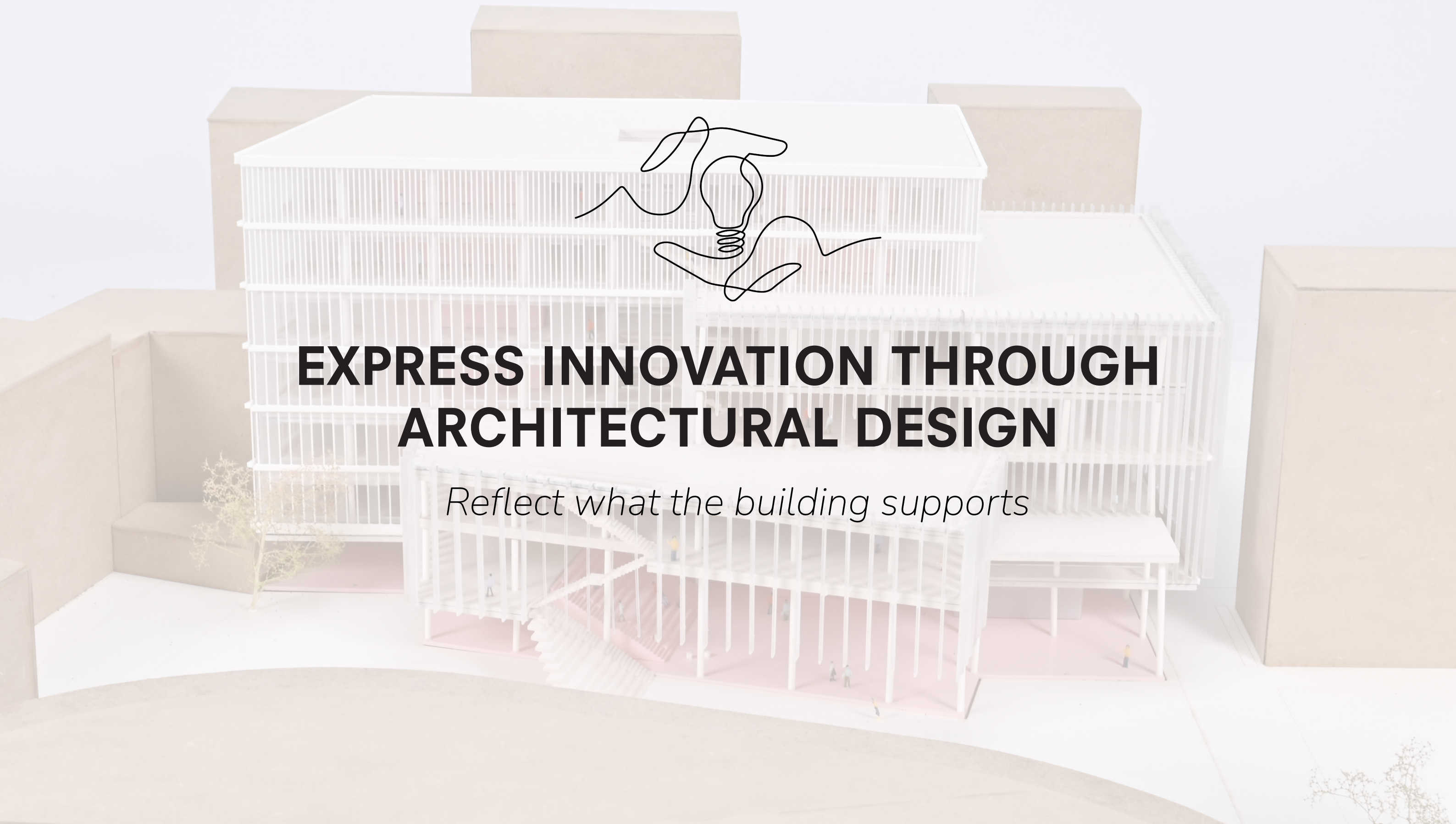


REQUIREMENT



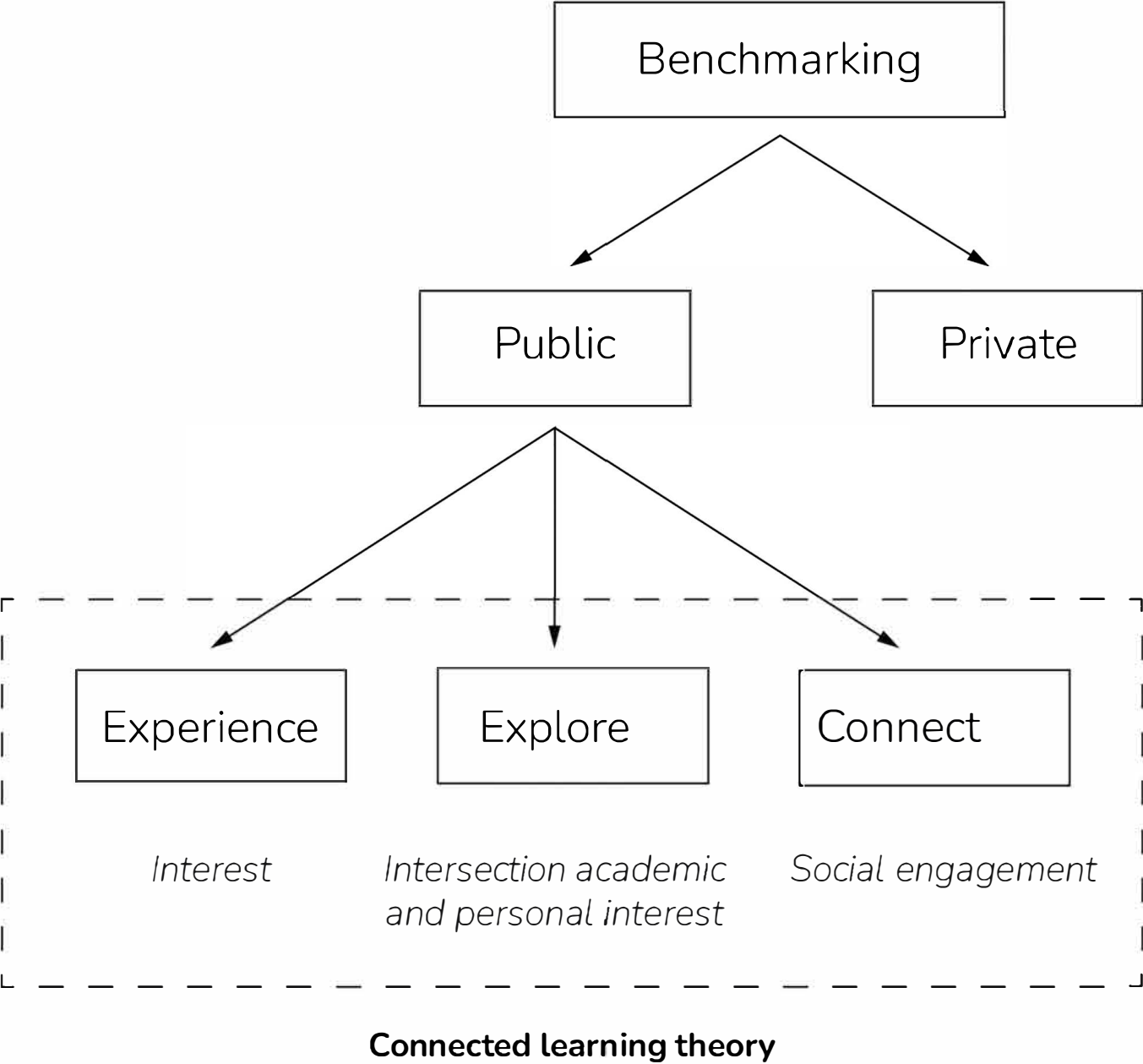
EXPRESS INNOVATION THROUGH ARCHITECTURAL DESIGN

Reflect what the building supports



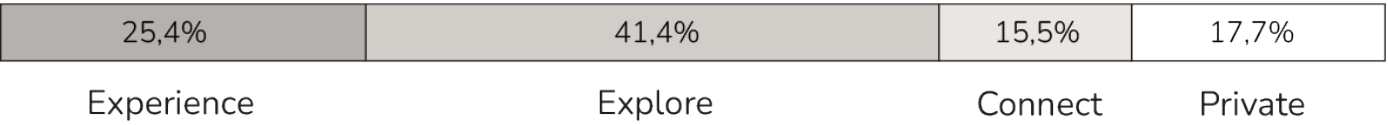


PROGRAM

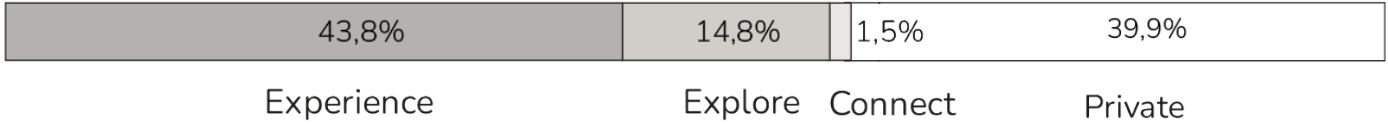


PROGRAM

Average



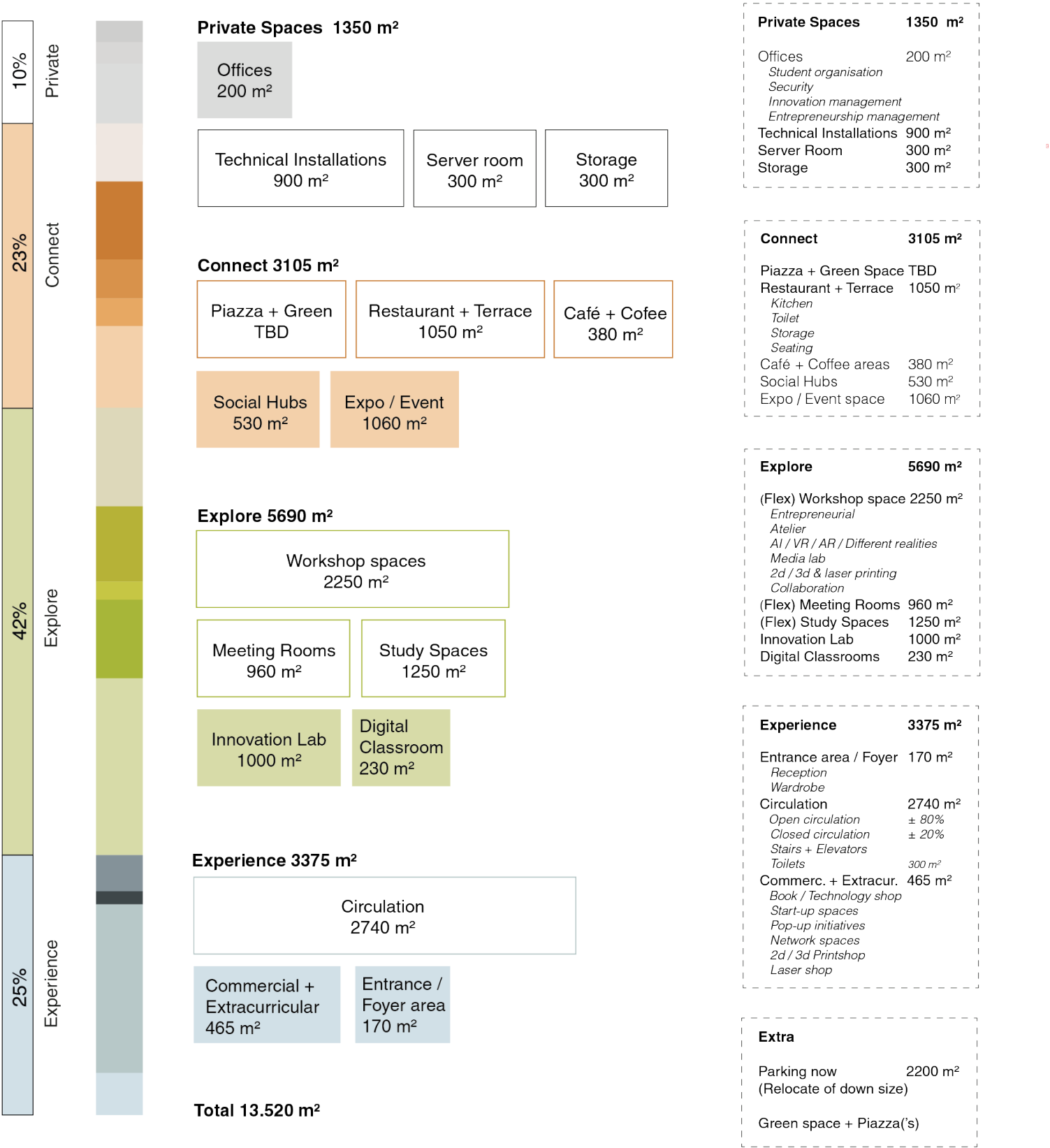
Grafton Building Bocconi



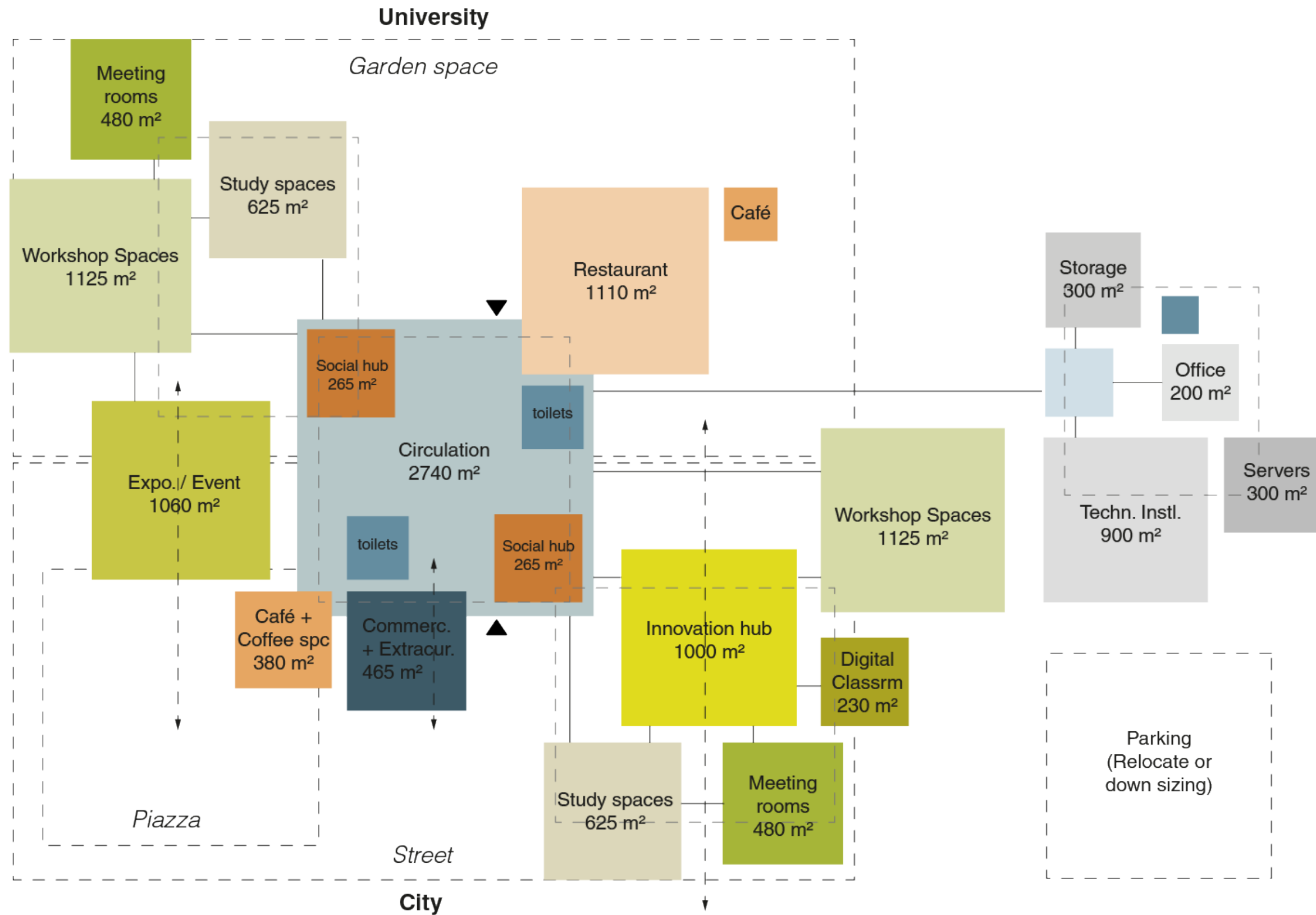
New Program



PROGRAM



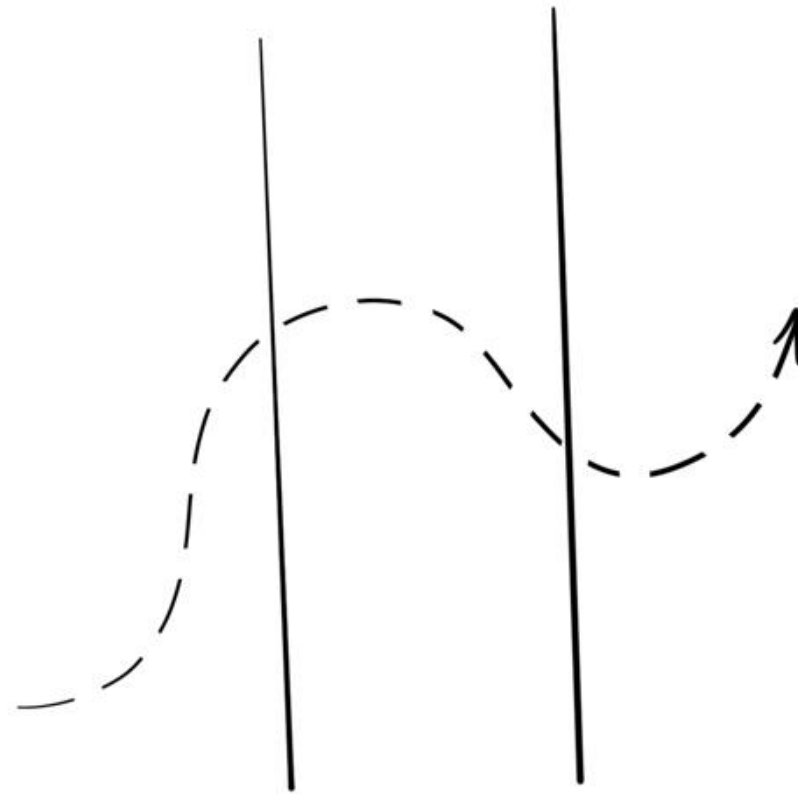
PROGRAM



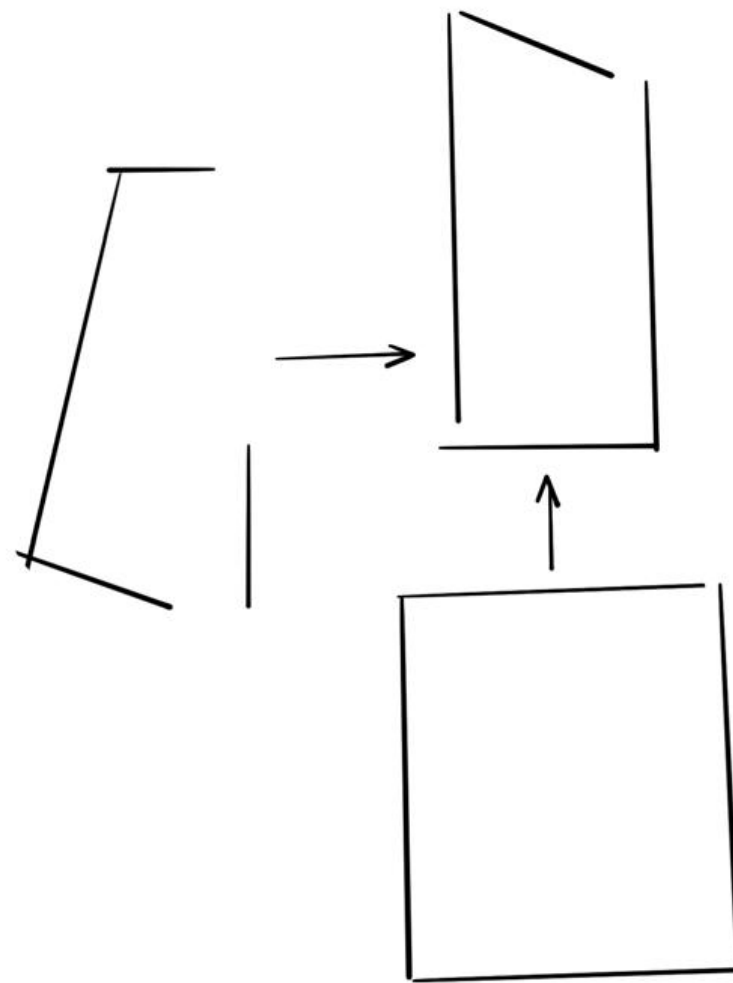
CONCEPT



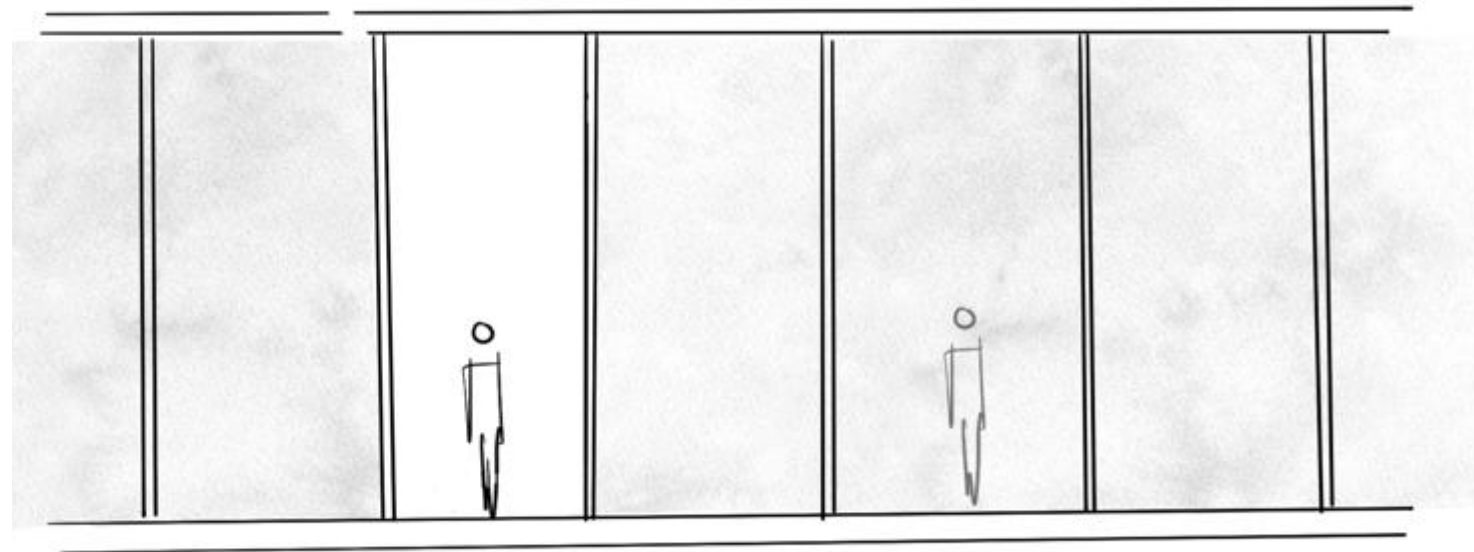
Continuity



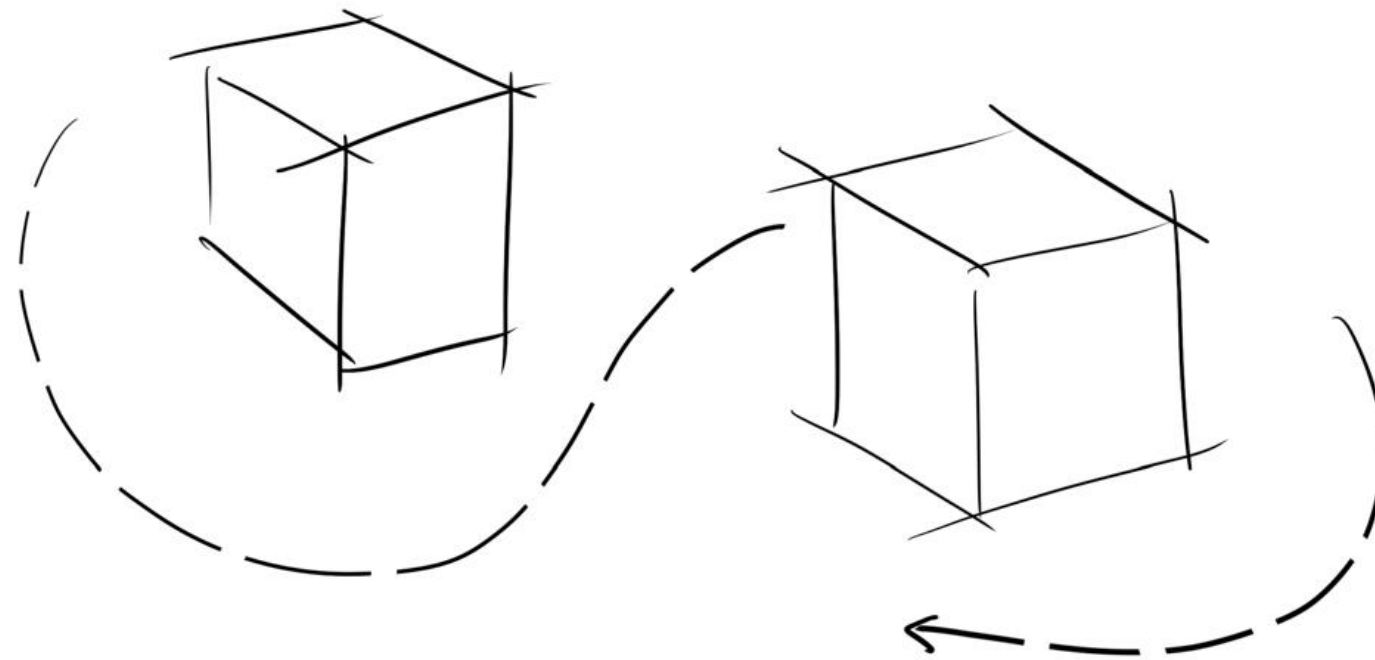
Intersecting Volumes



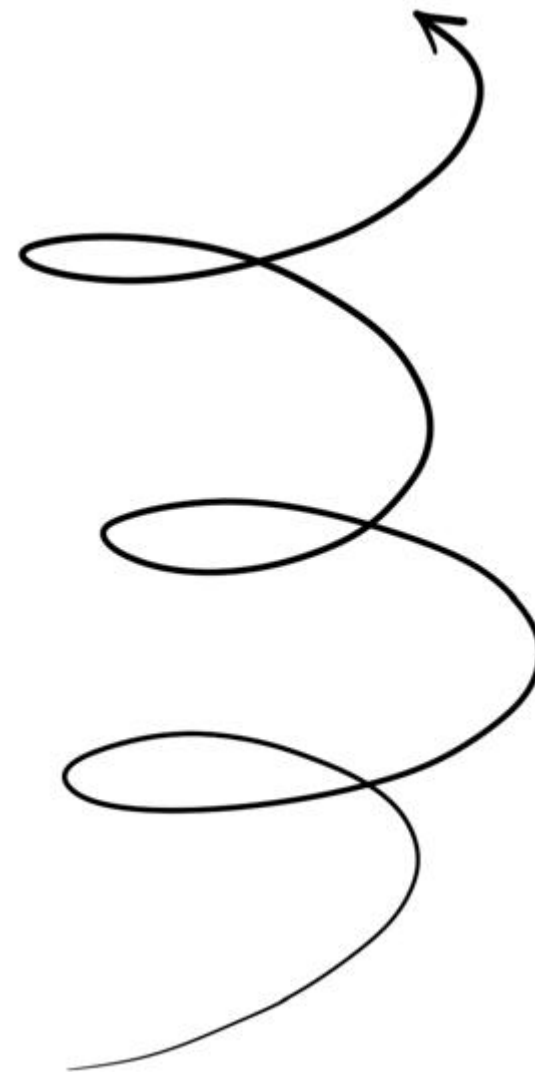
Transparency




Openness and Flexibility



Social Circulation



Support **Non Formal learning**
Create a **University without walls**

An architectural rendering of a modern, multi-level learning space. The scene features a large, open-plan area with a prominent wide staircase in the center. Students are depicted in various activities: some are sitting on the steps, others are working at wooden tables in the foreground, and a few are walking on upper levels. The architecture is characterized by clean lines, large glass panels, and a warm, neutral color palette. The overall atmosphere is one of a collaborative and innovative educational environment.

A layered learning landscape that supports **innovation**, **social engagement** and **personal initiative**. **Connecting** students to each other and to the creative economy of Milan.



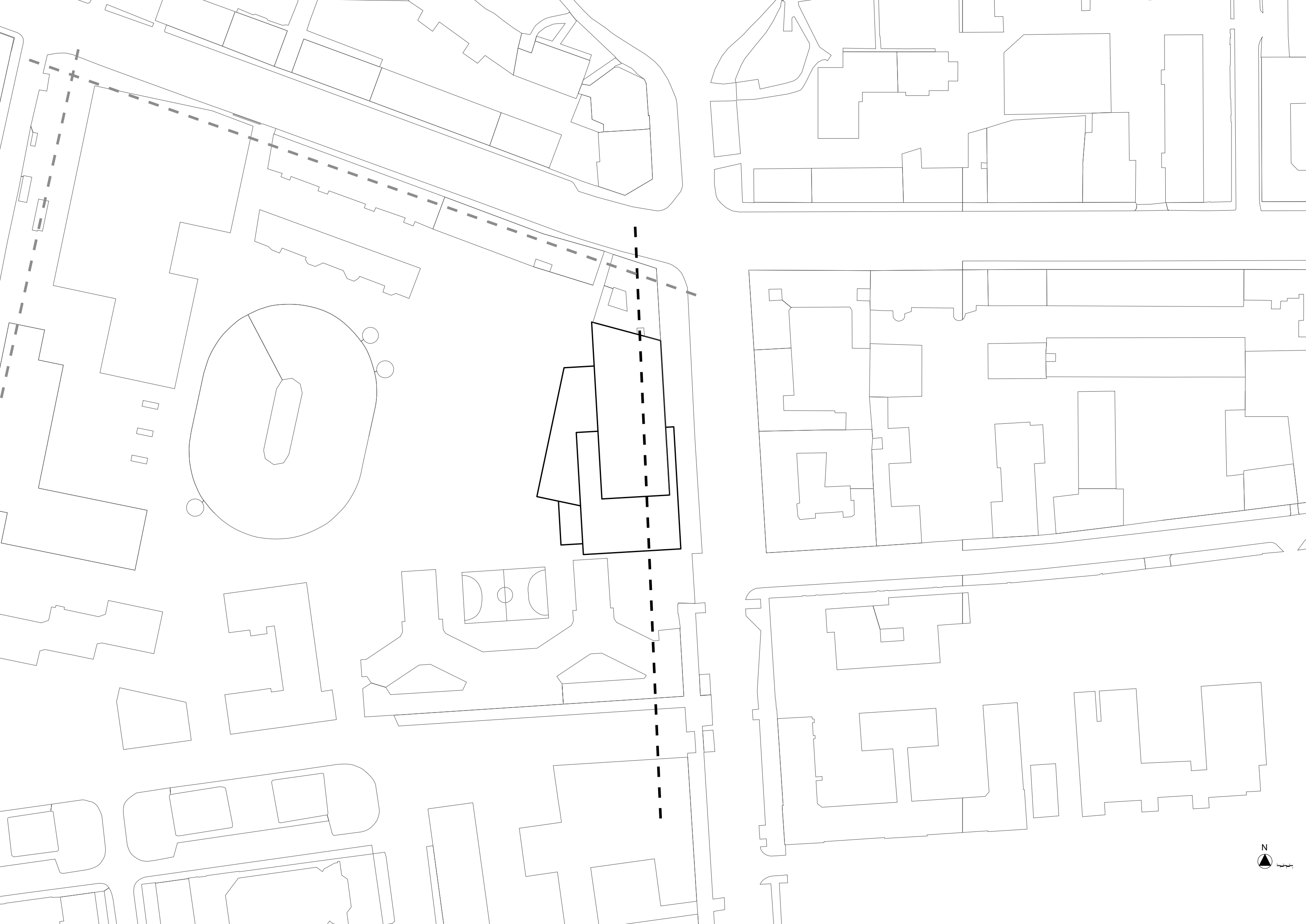
DESIGN





13.150 m²





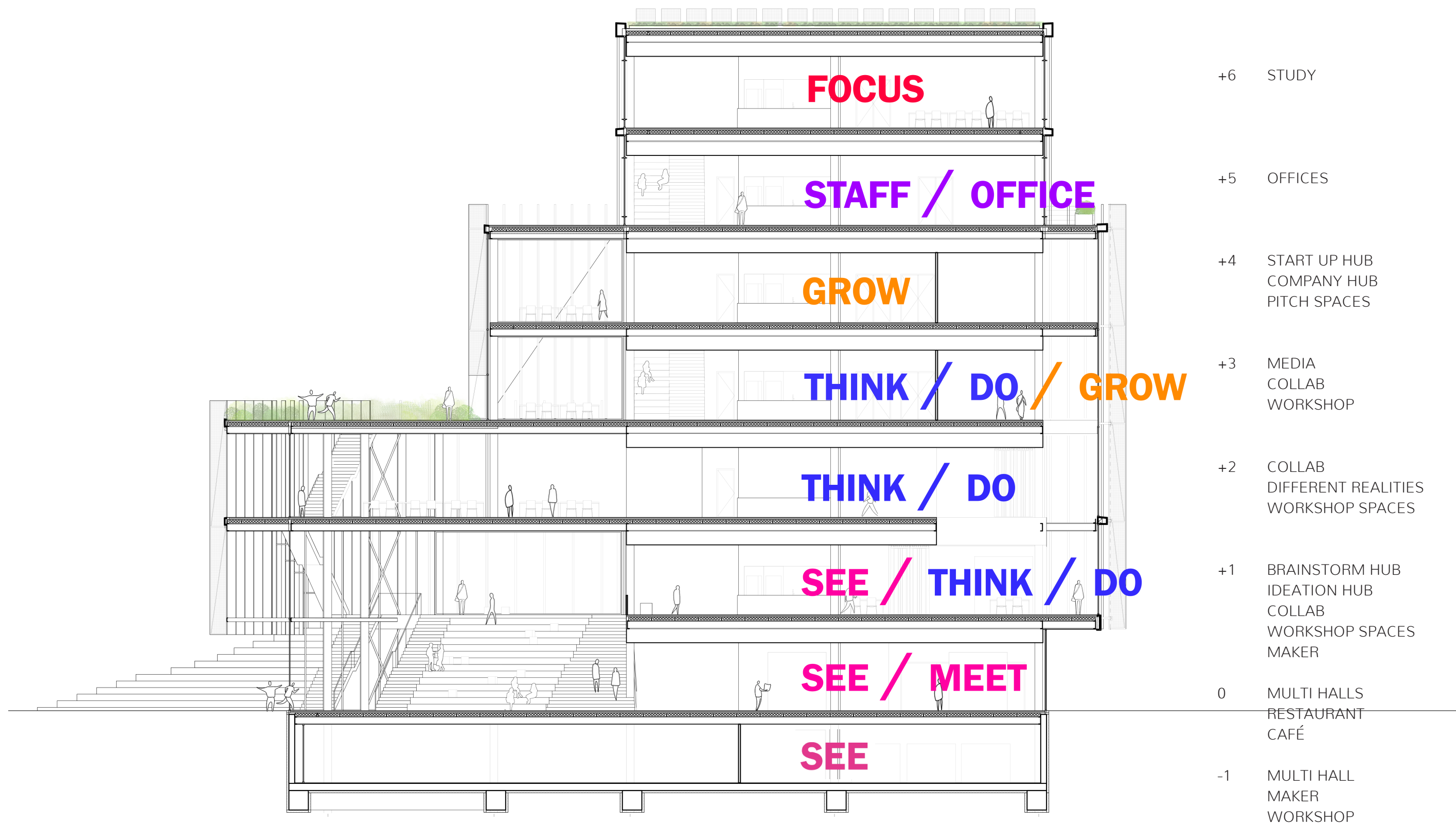






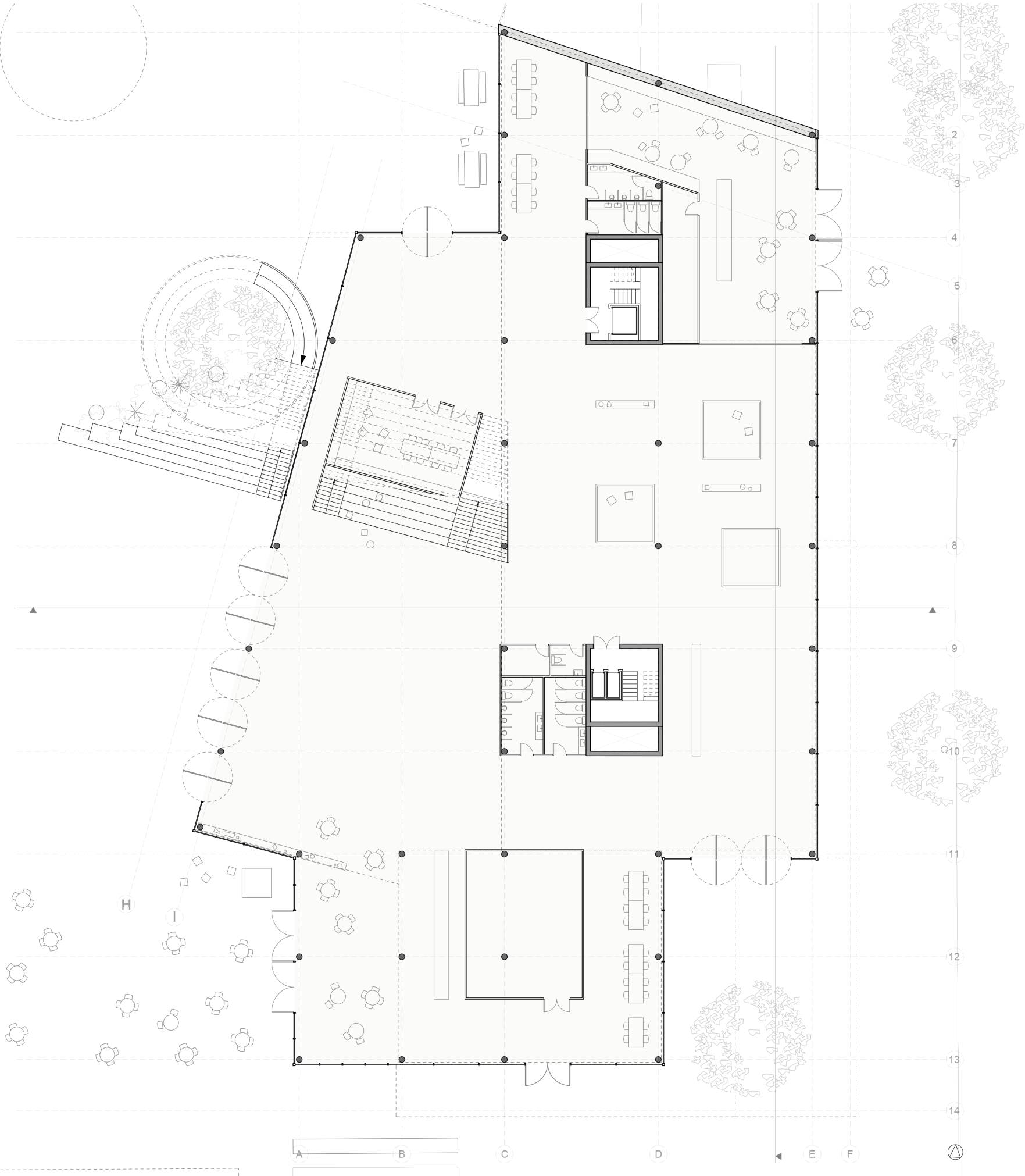






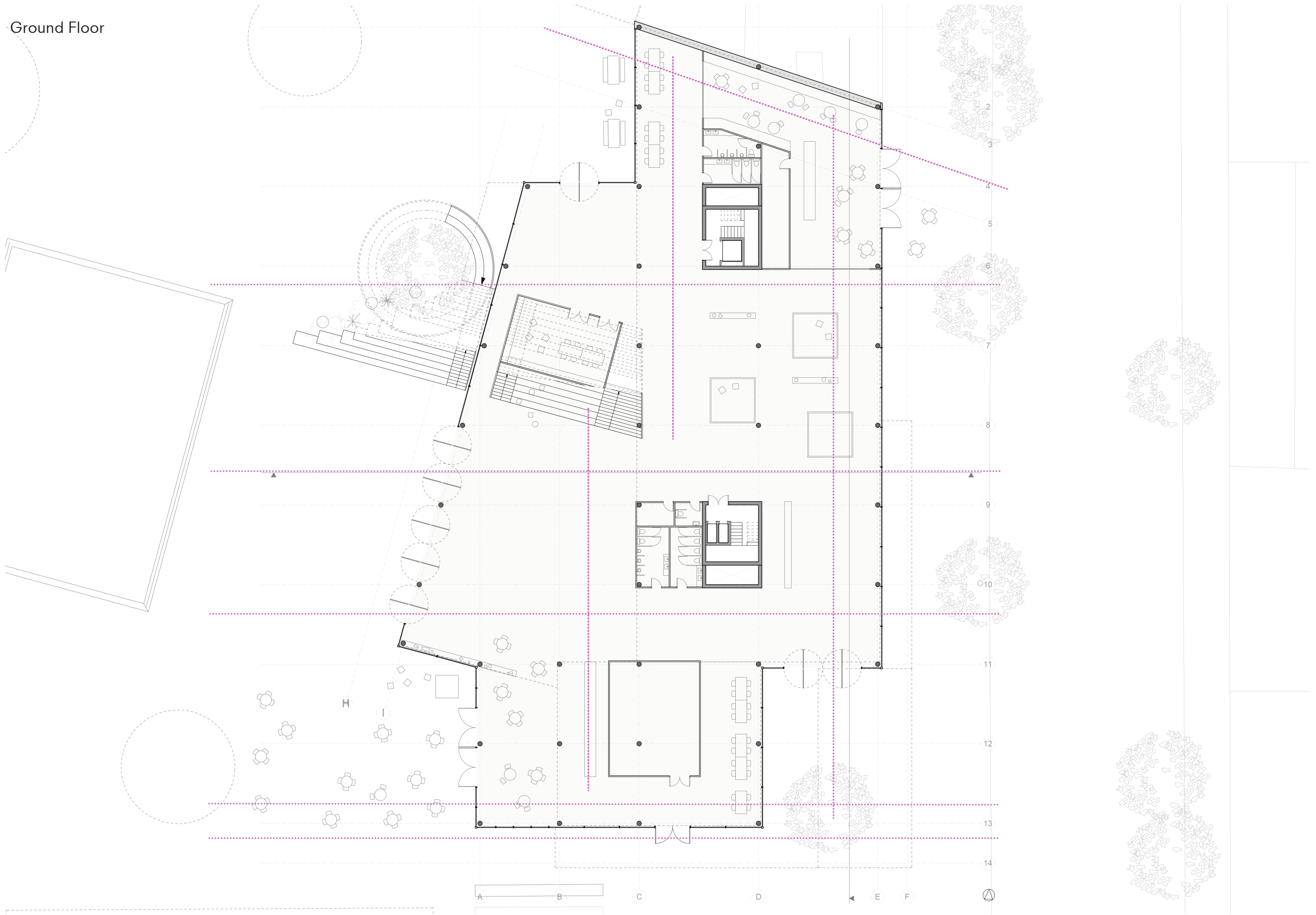
Ground Floor

- Multi Functional halls
- Expo Space
- Café
- Restaurant
- Student Association
- Collaboration spaces

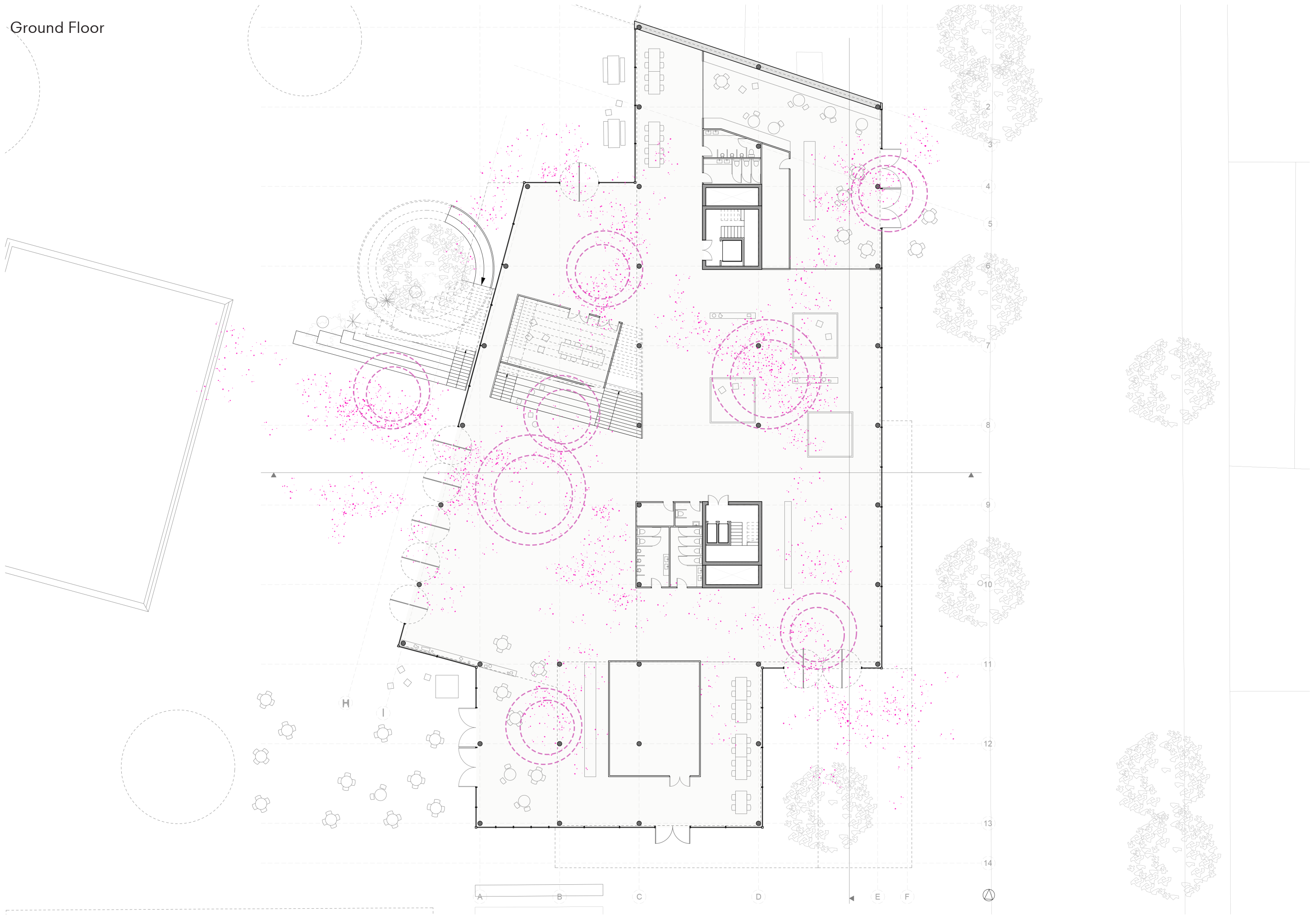


See / Meet

Ground Floor



Ground Floor



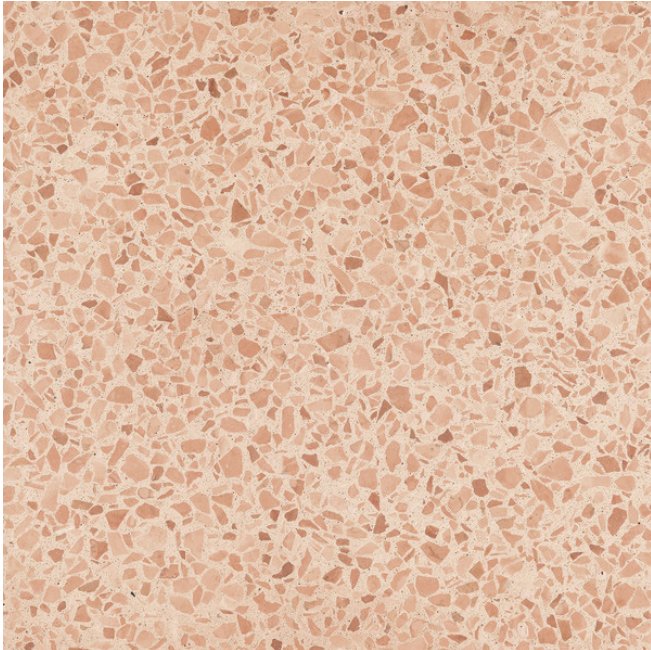


MATERIALITY

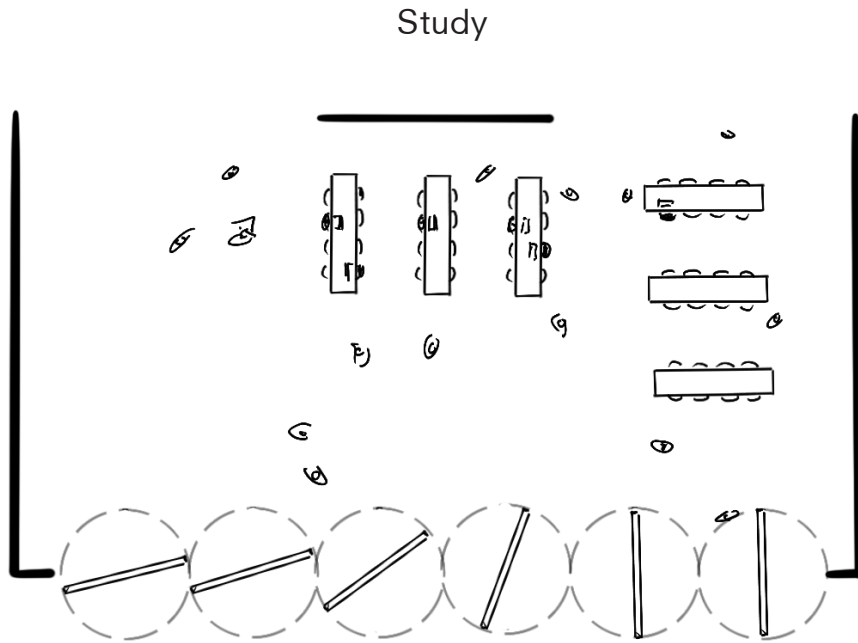
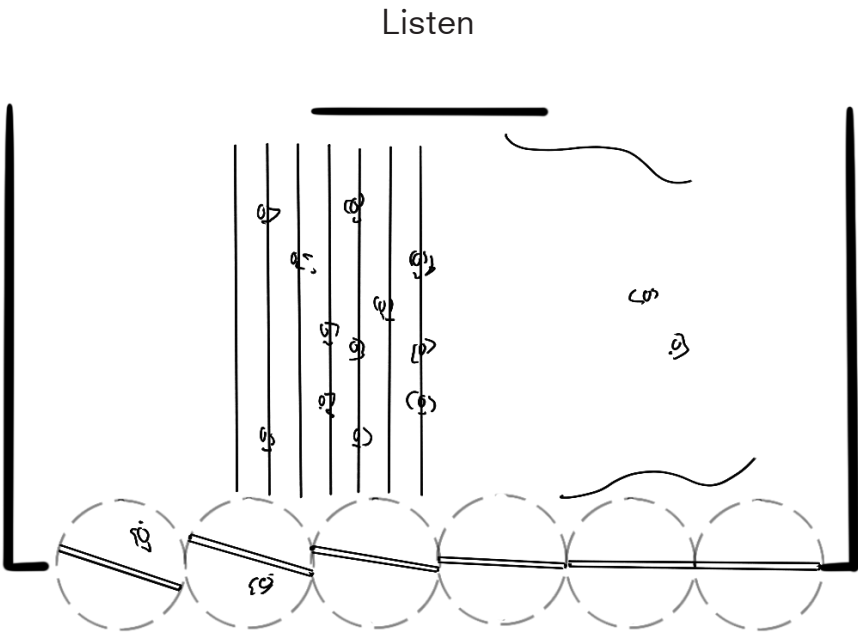
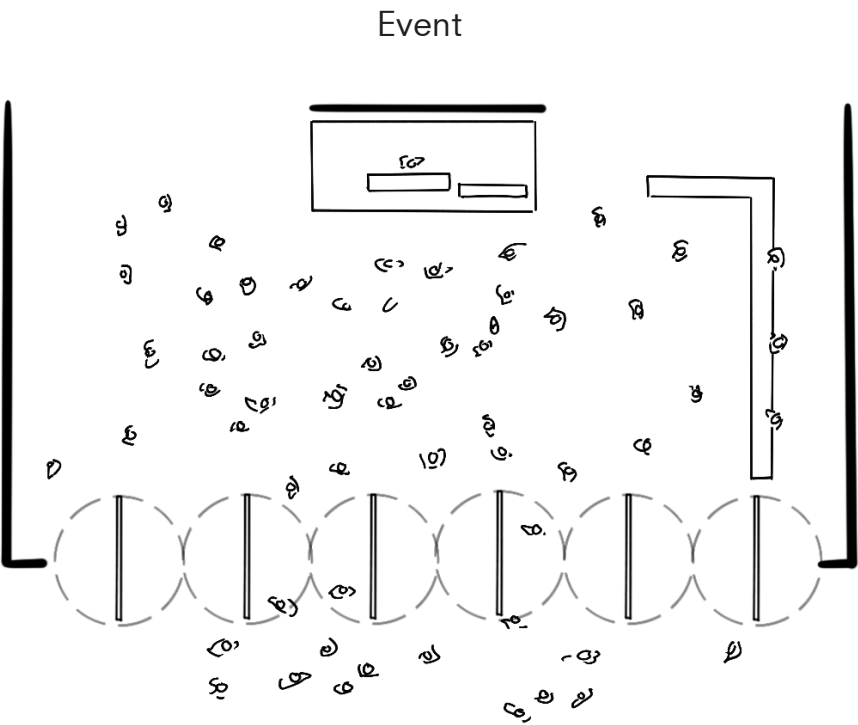
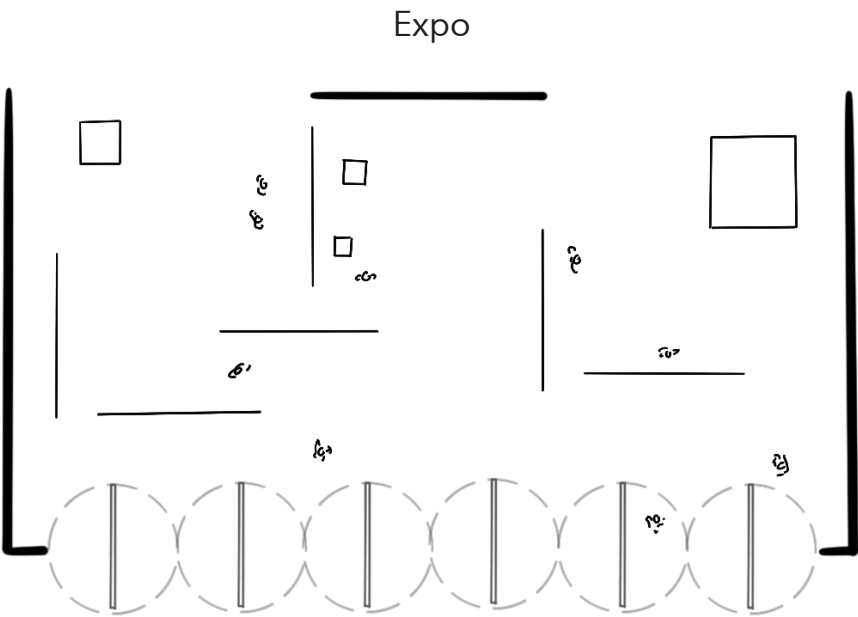
Concrete
Terrazzo



Artificial marmer
Mosaic

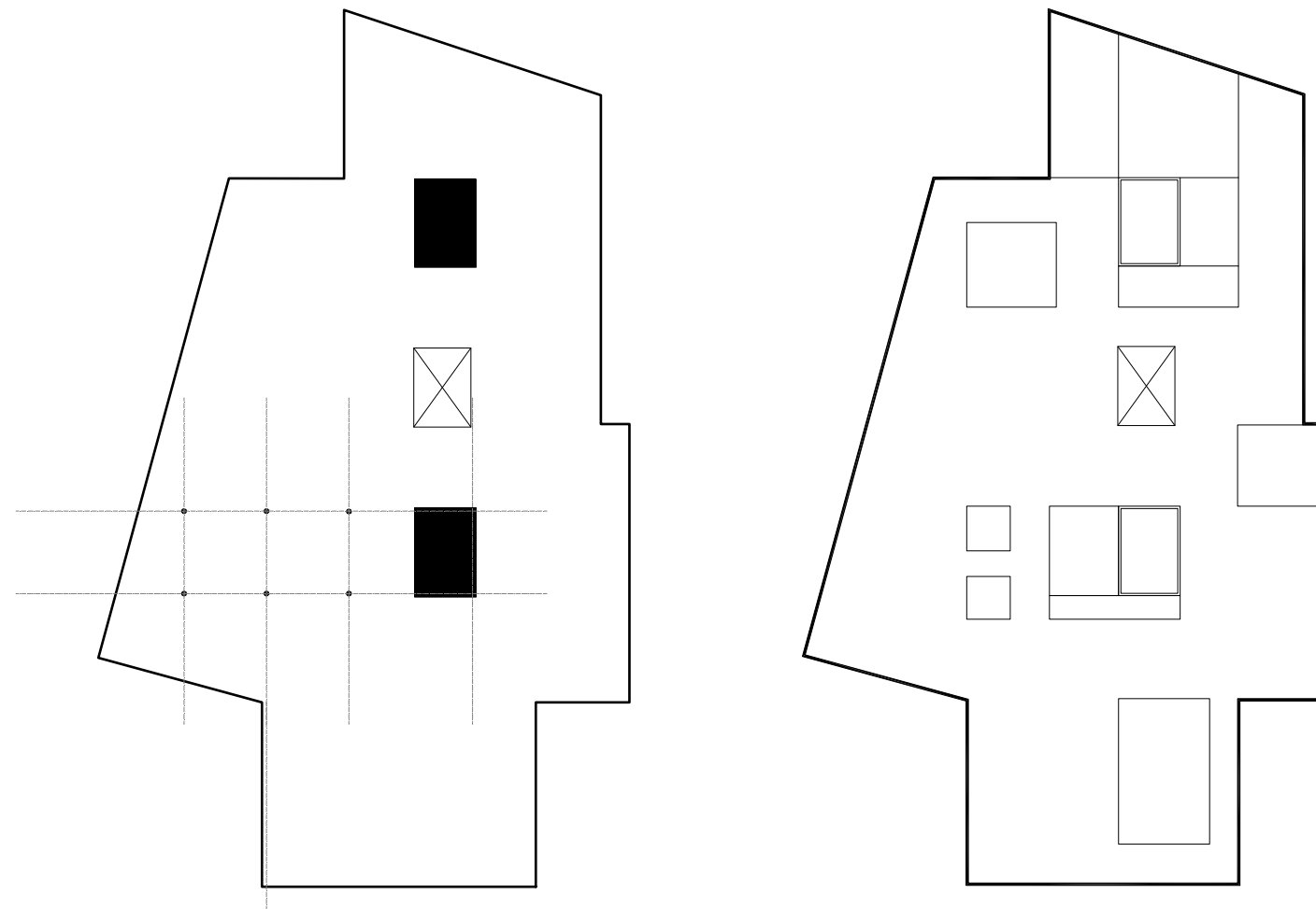


FLEXIBILITY



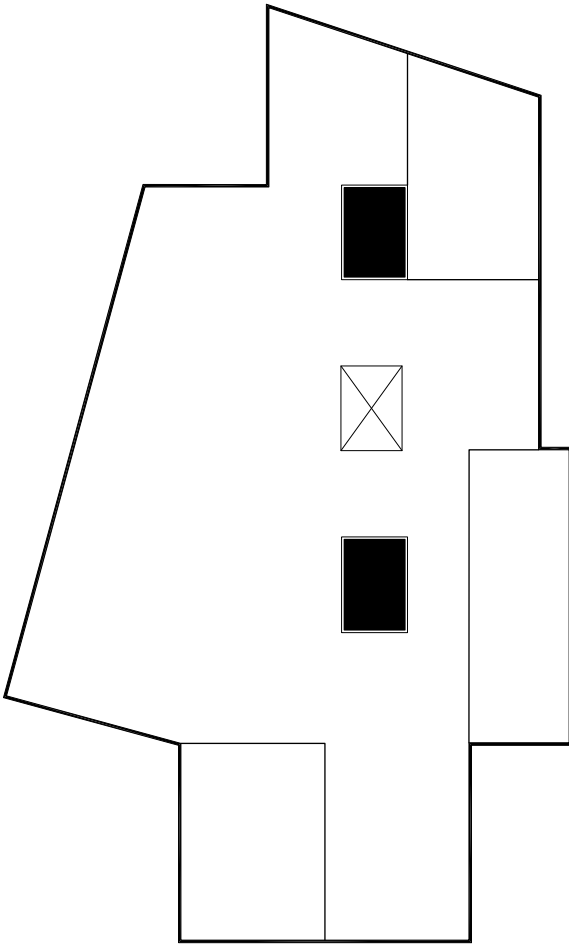
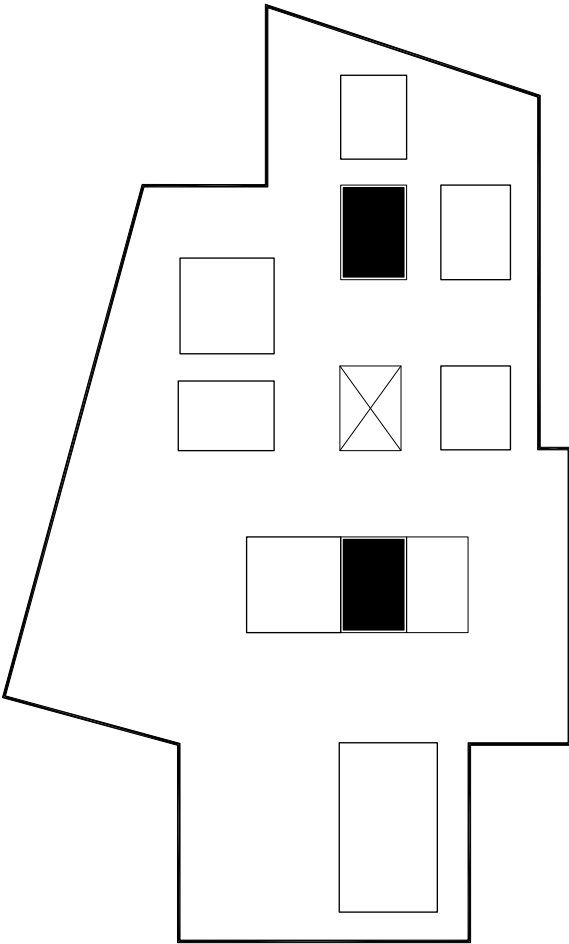
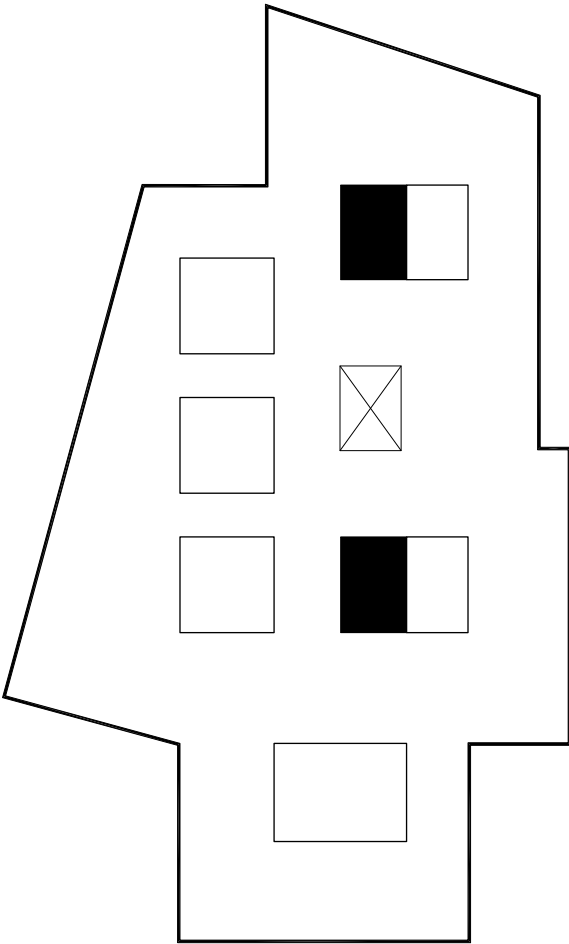
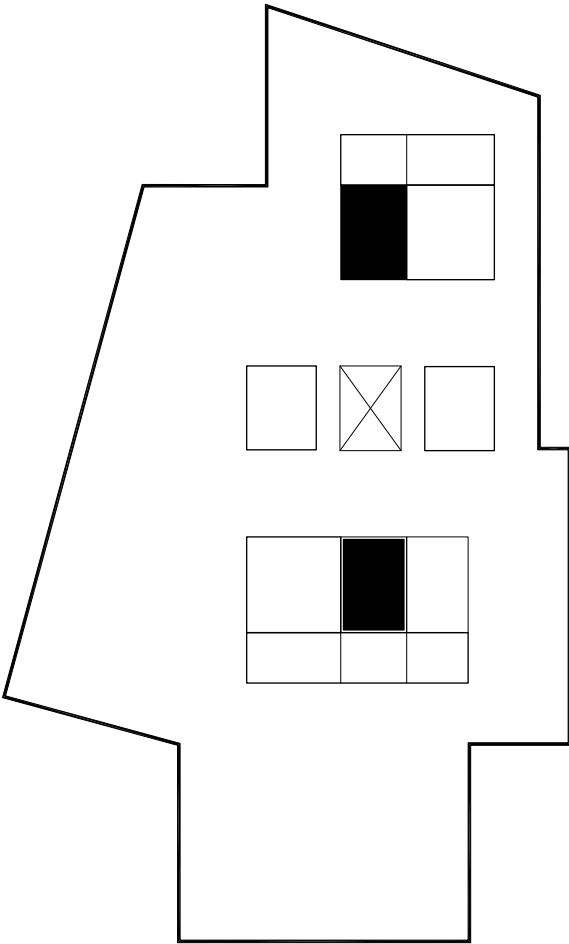
ADAPTABILITY

Long term



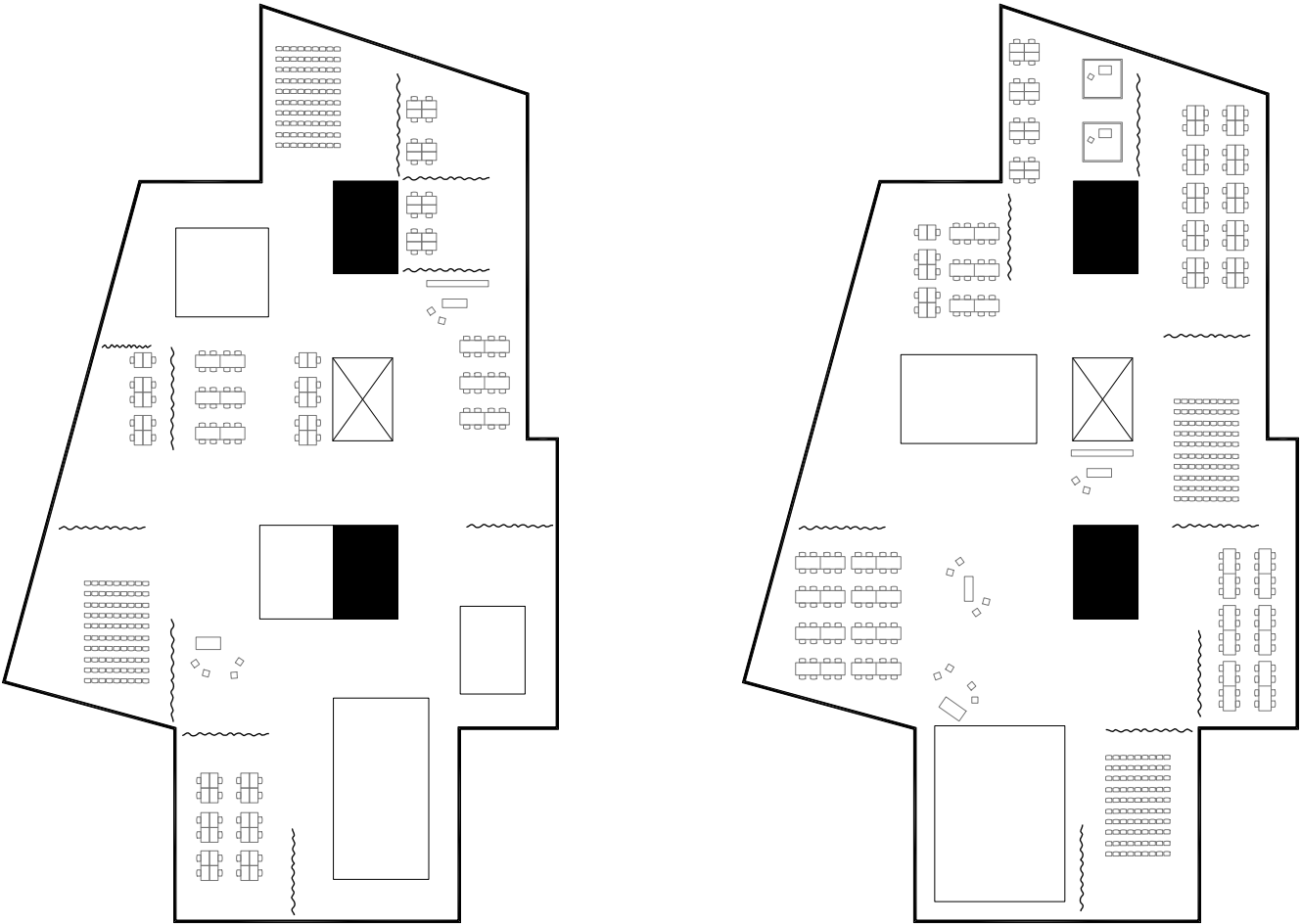
ADAPTABILITY

Long term



ADAPTABILITY

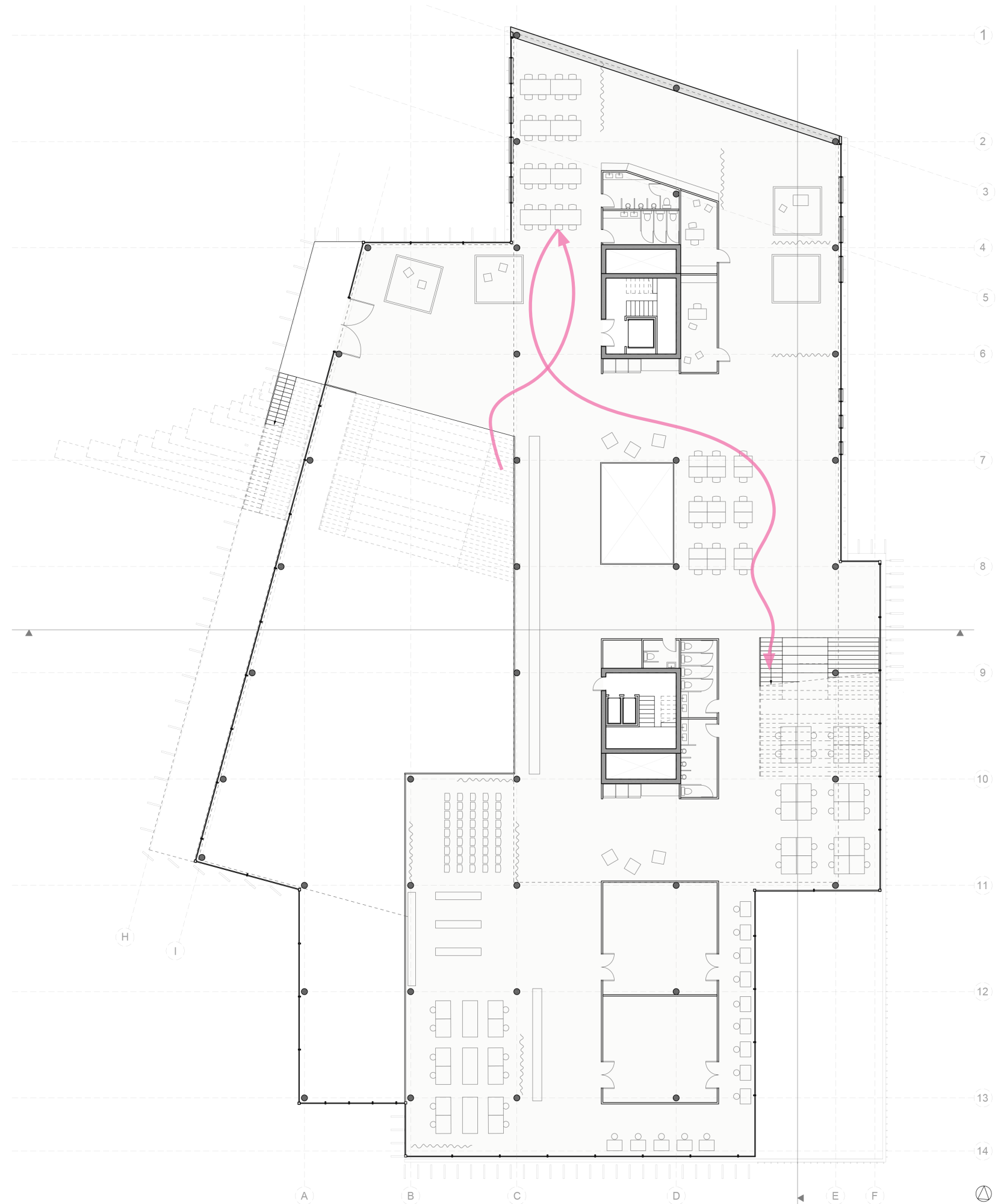
Short term





+1

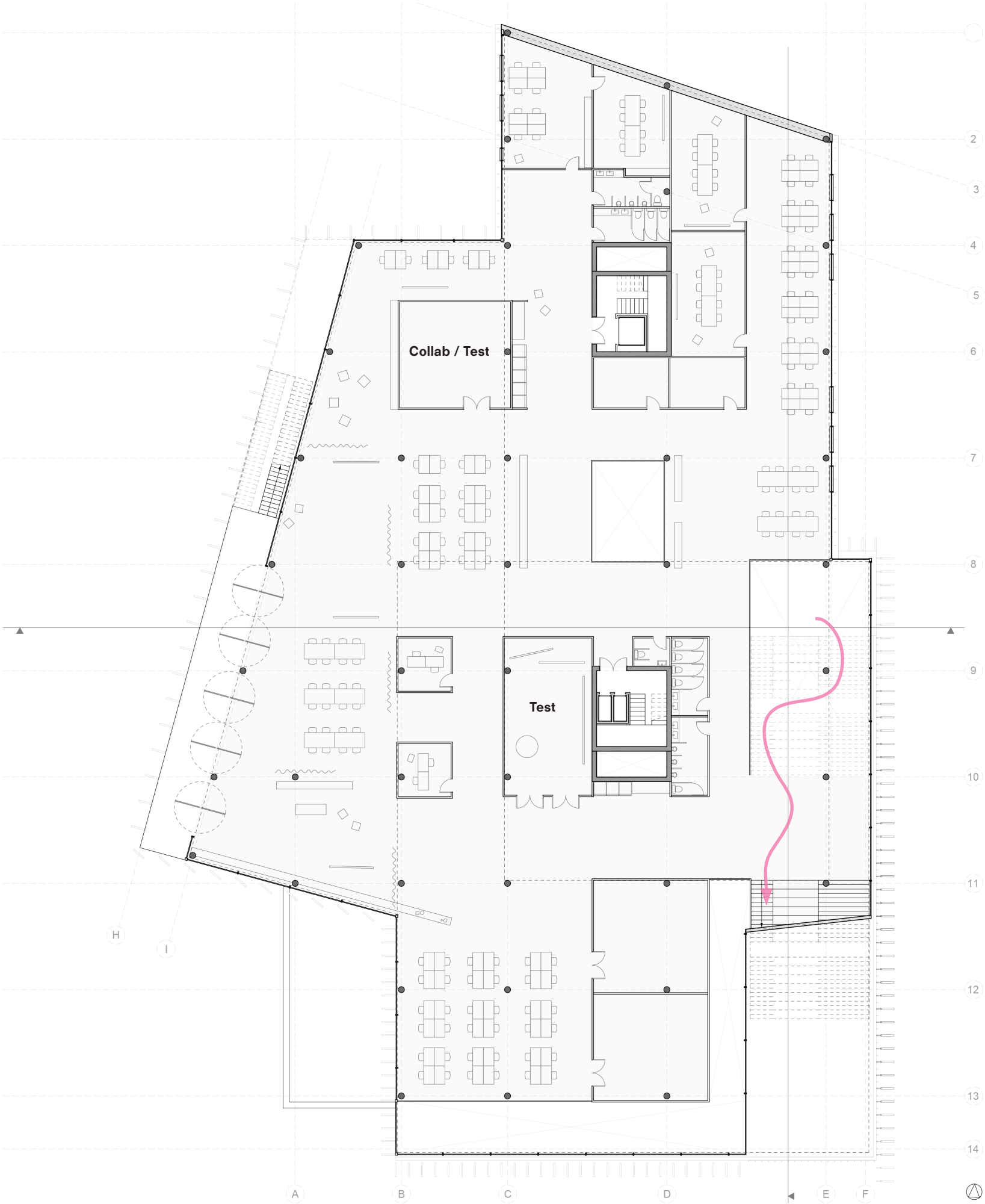
Brainstorm area
Mentor Spaces
Collaborative spaces
Pitch / Event Space
Print / Laser Lab
Workshop Space
Maker Space



See / Think / Do

+2

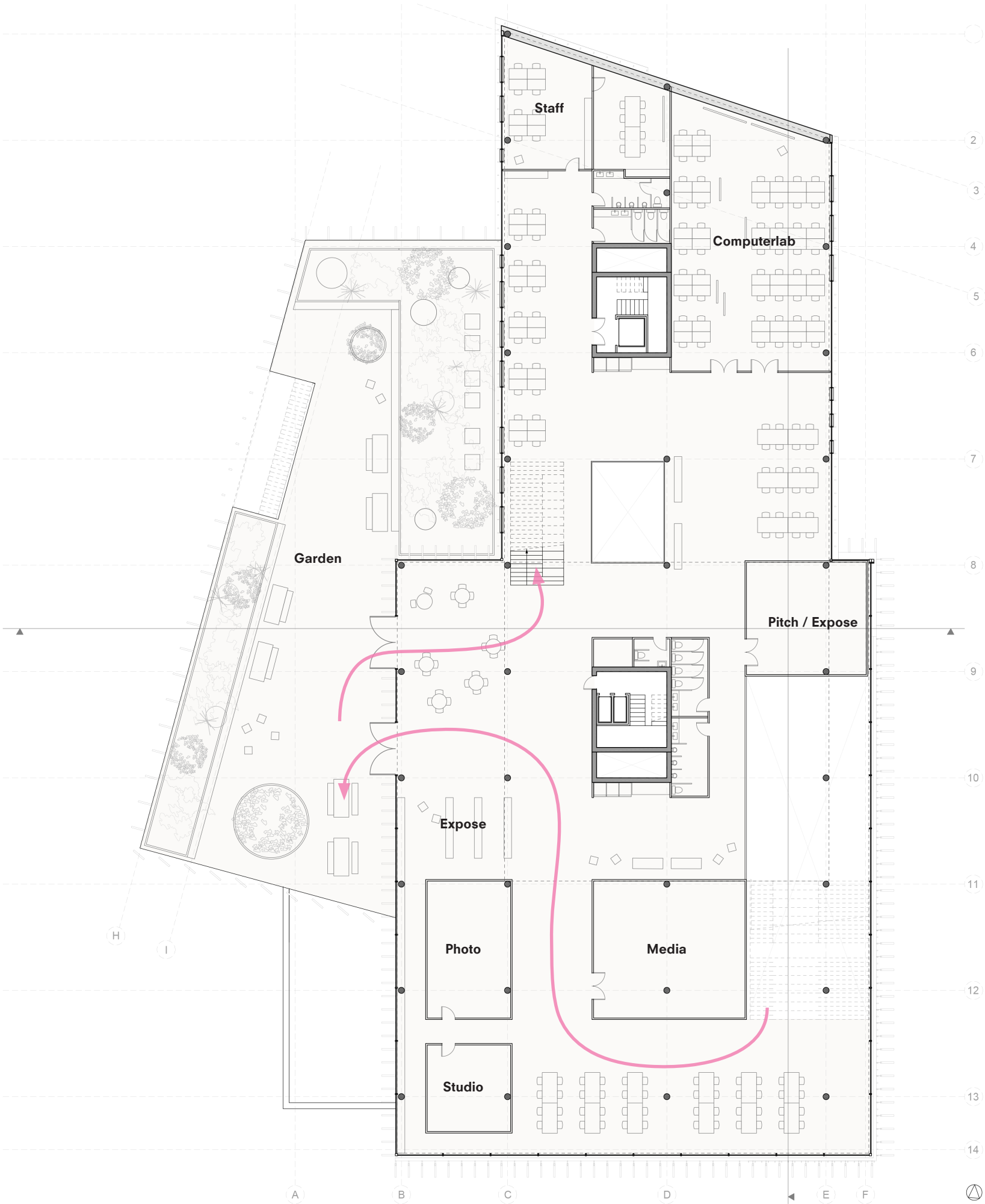
- VR and AR lab
- Data and Artificial Intelligence lab
- Testing Spaces
- Meeting spaces
- Collaborative spaces



Think / Do

+3

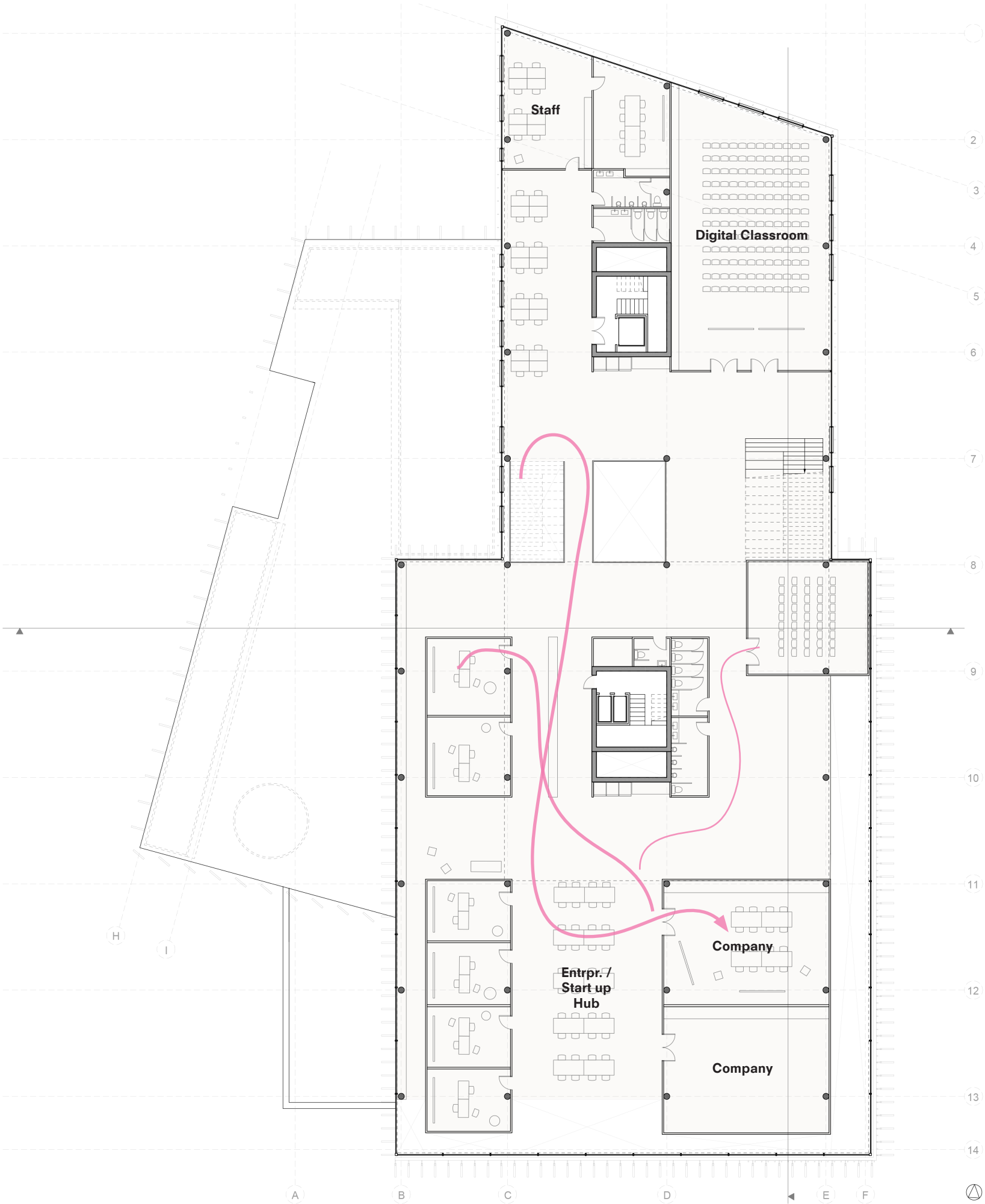
- Photo and Film studio
- Podcast studio
- Movement and Projection studio
- Computer lab
- Collaborative spaces
- Break area
- Roof Garden



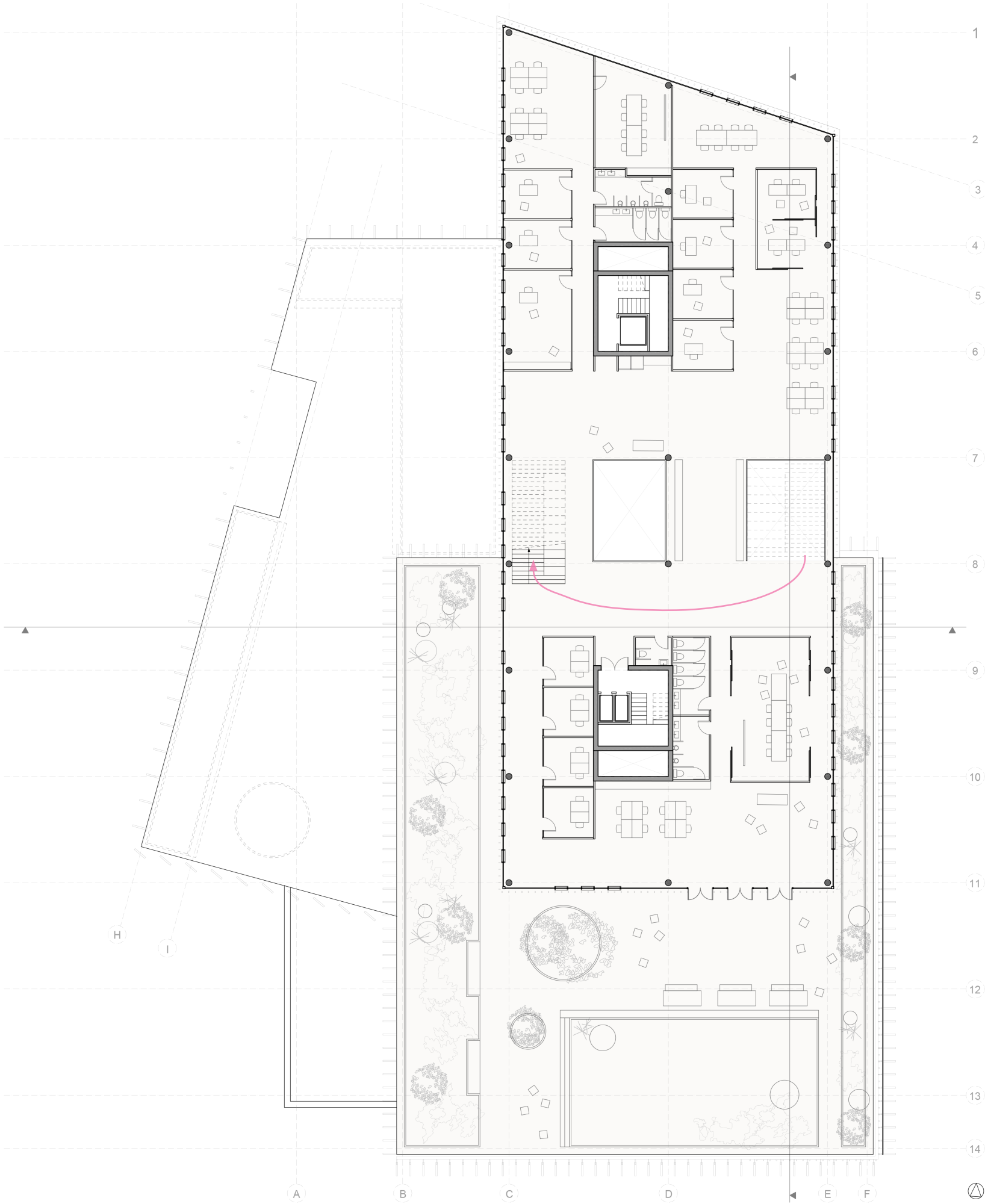
Think / Do / Grow

+4

- Company spaces
- Startup hub
- Meeting spaces
- Pitch / Event space
- Digital classroom



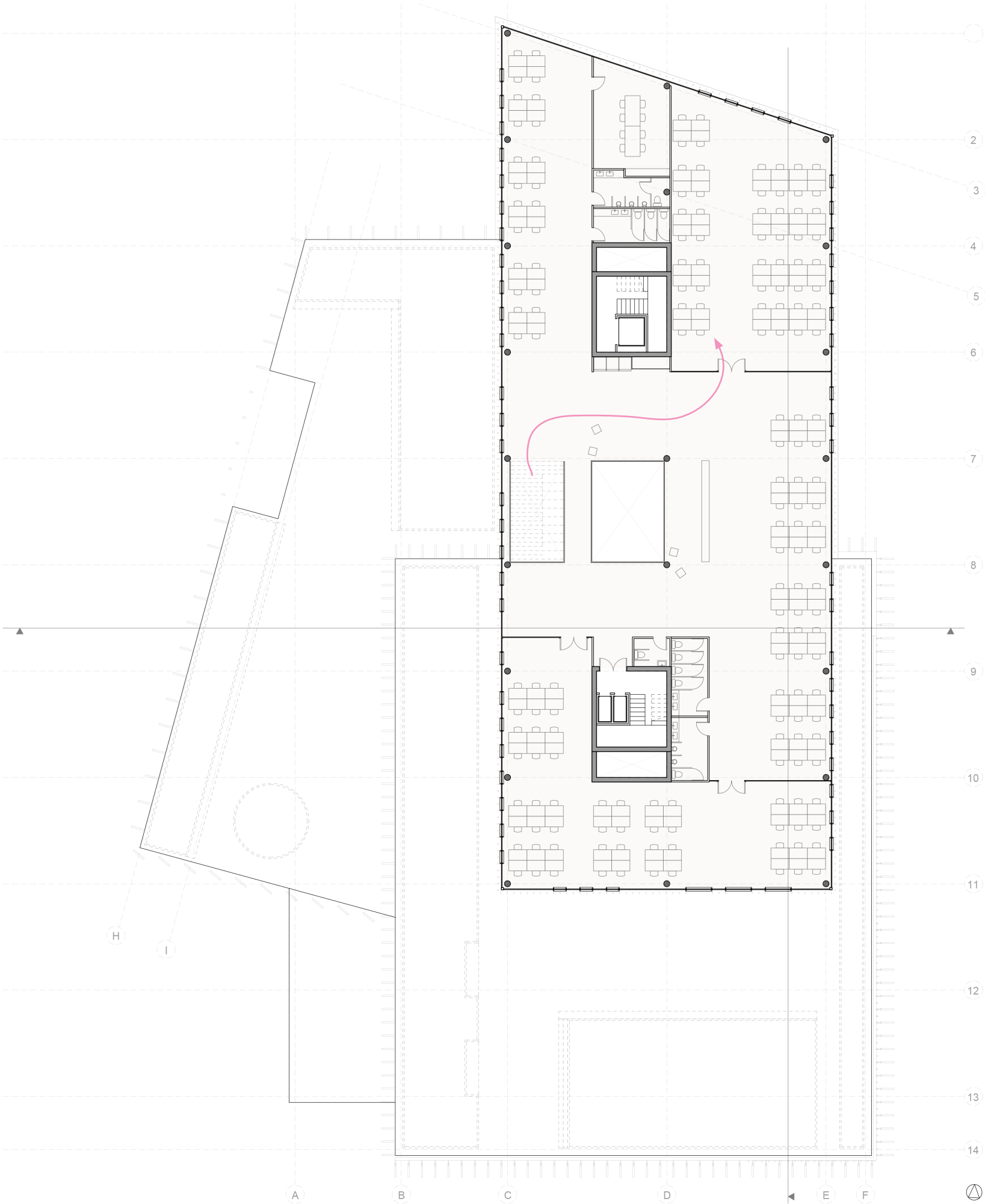
+5
Office space
Management



Staff / Offices

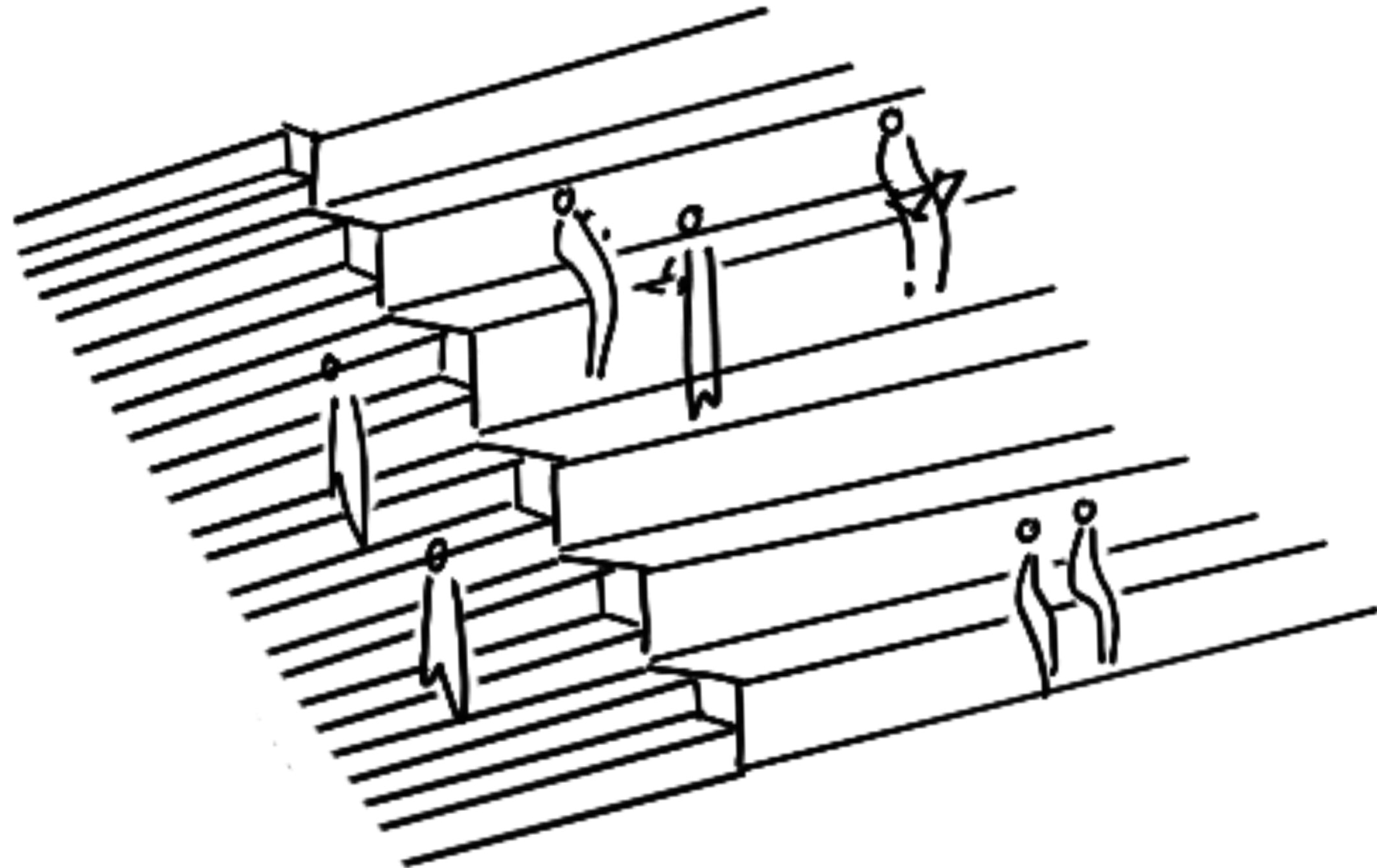
+6

Quiet zones
Focused Study spaces

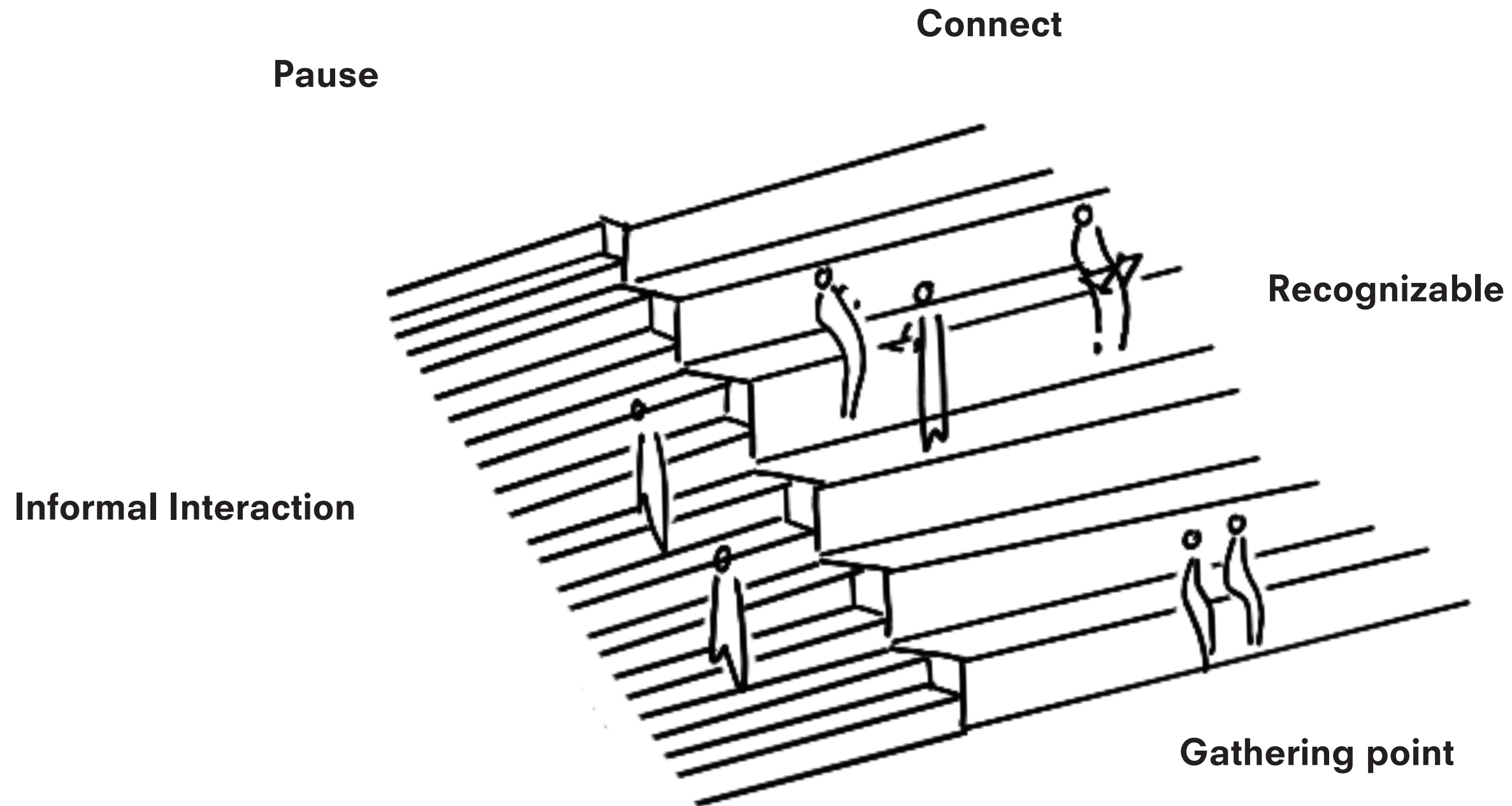


Focus

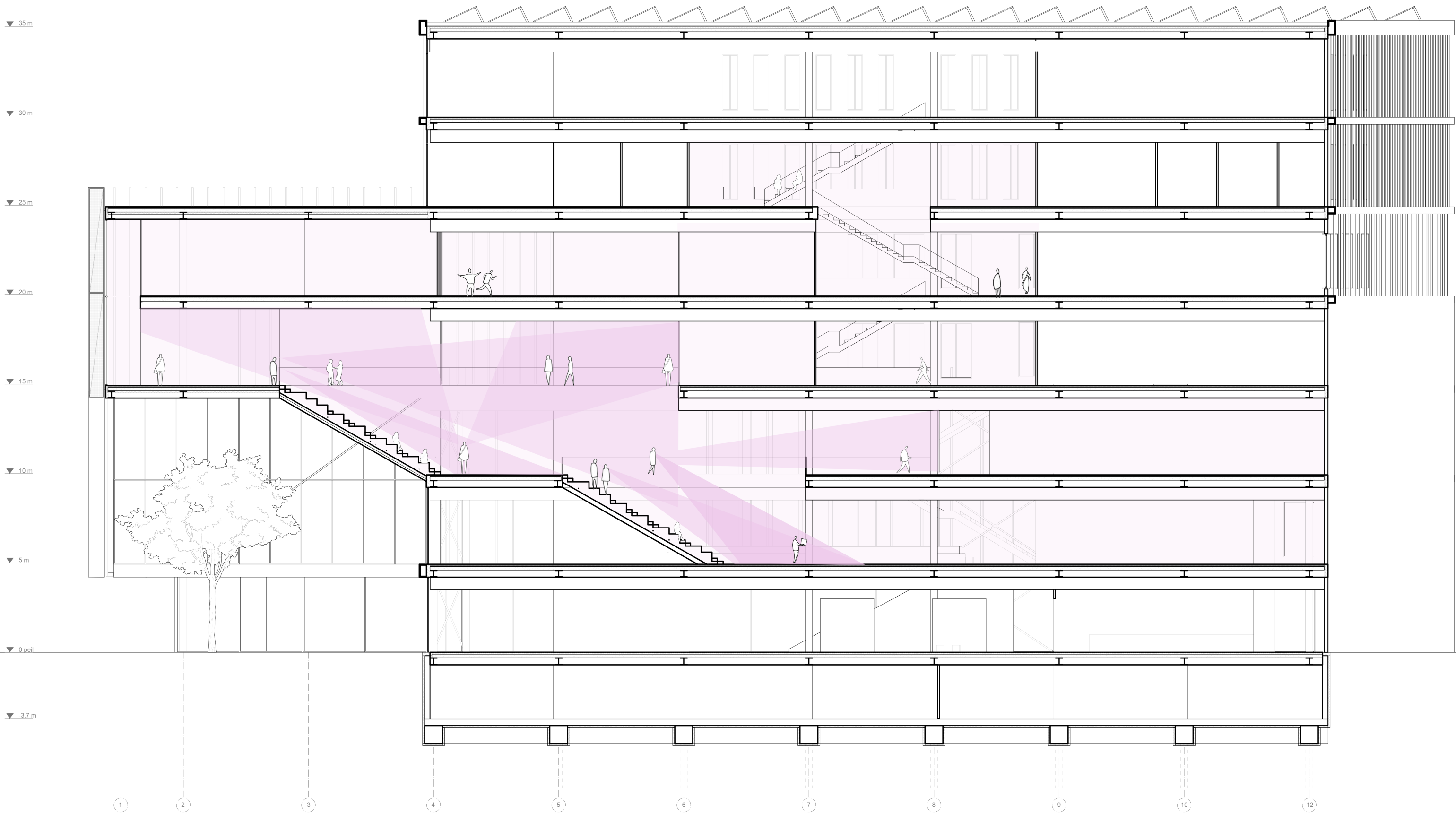




Stairs intended as social spaces



Stairs intended as social spaces



Stairs as the layer between building and context

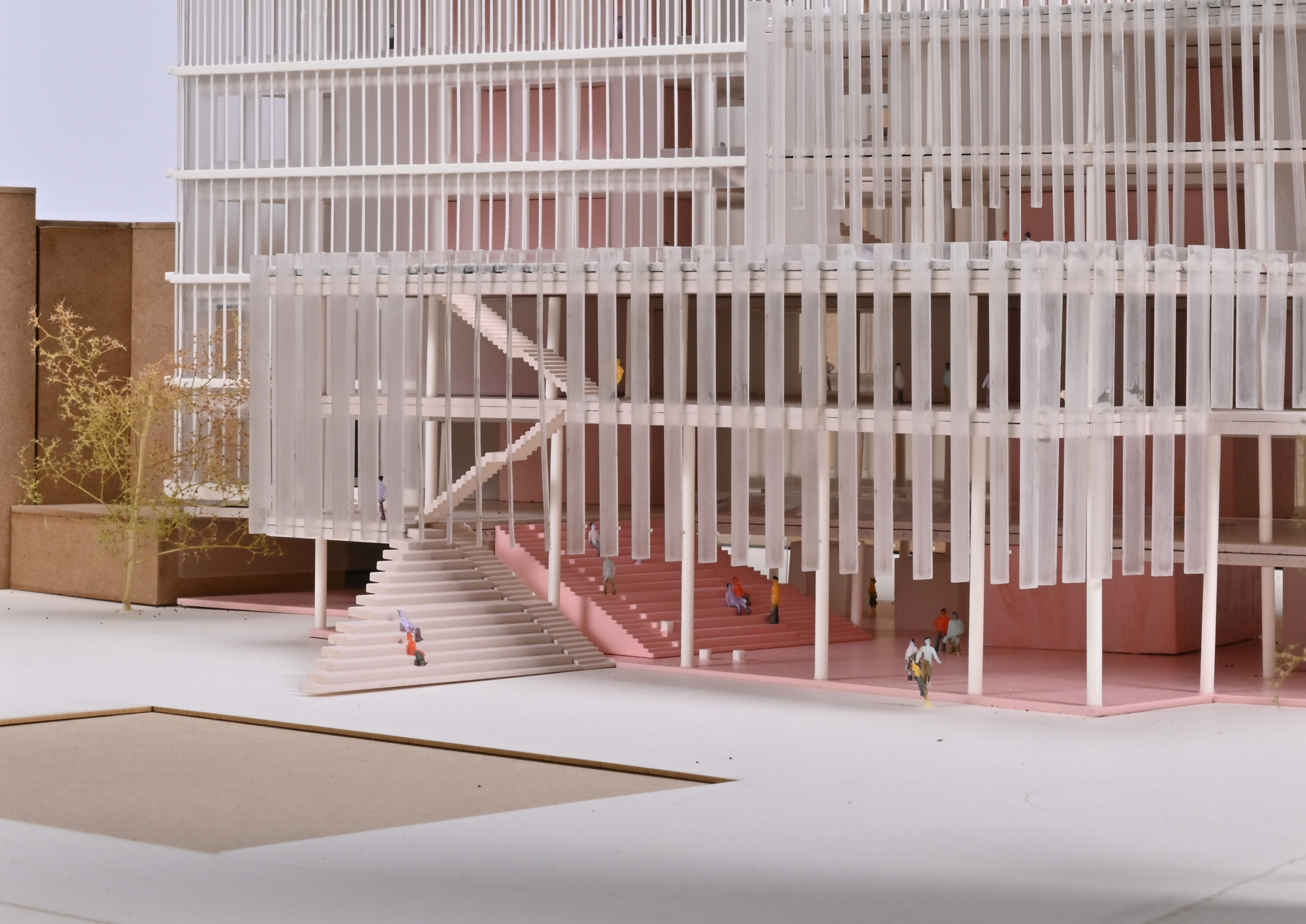
Extension of the public space


Connects student to city

Makes flows visible

Reflects buildings liveliness





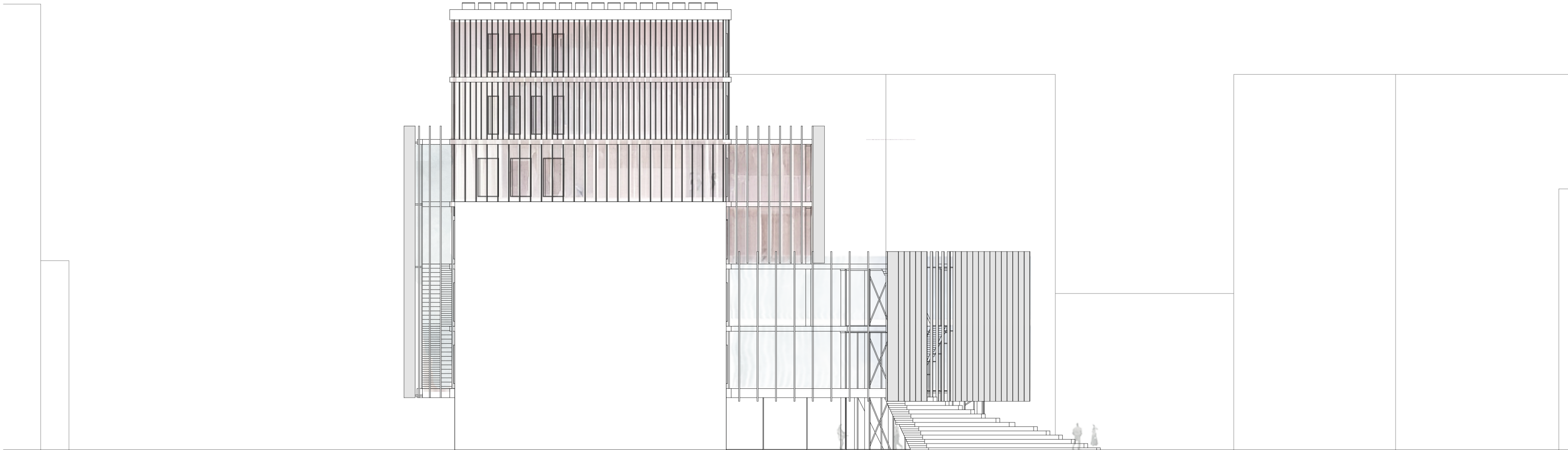
An architectural model of a modern building. The building features a prominent staircase with a transparent, white, slatted facade that allows visibility into the interior. The staircase is wide and multi-level, with a red-painted section. The building's structure is composed of white vertical slats and horizontal beams. The ground is a light-colored, flat surface. A small, dry, yellowish tree is on the left. Several small human figures are placed on the stairs and around the building to provide scale. The text "TRANSPARANCY CONTINUITY CONNECTING" is overlaid in the center in white, bold, sans-serif capital letters.

**TRANSPARANCY
CONTINUITY
CONNECTING**

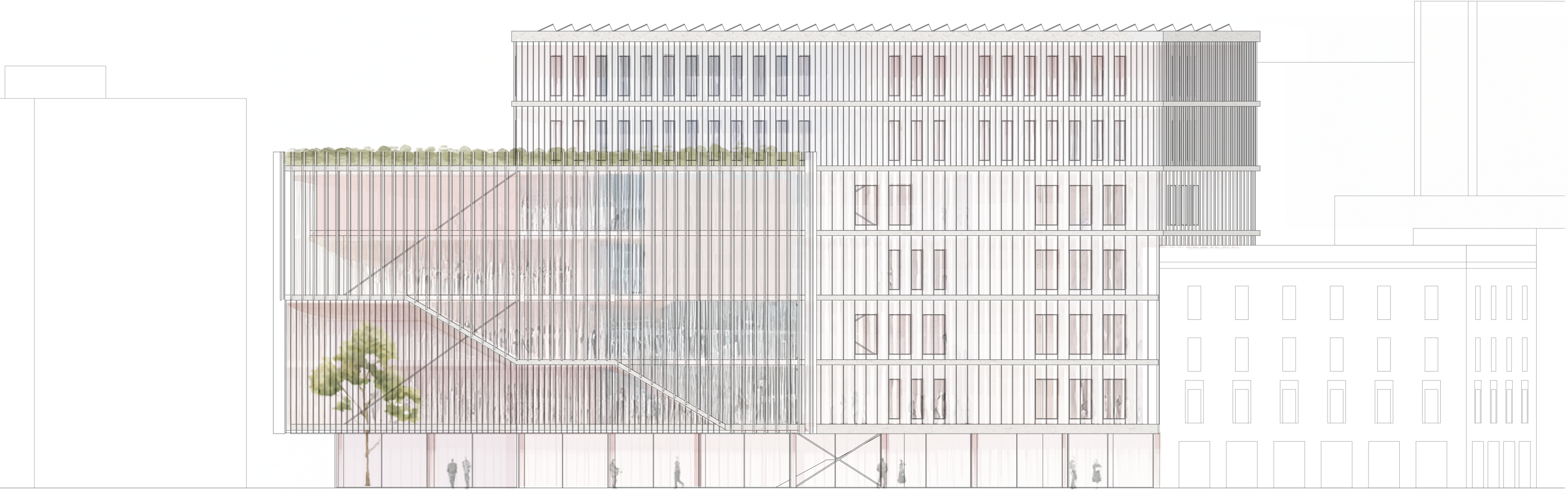
West



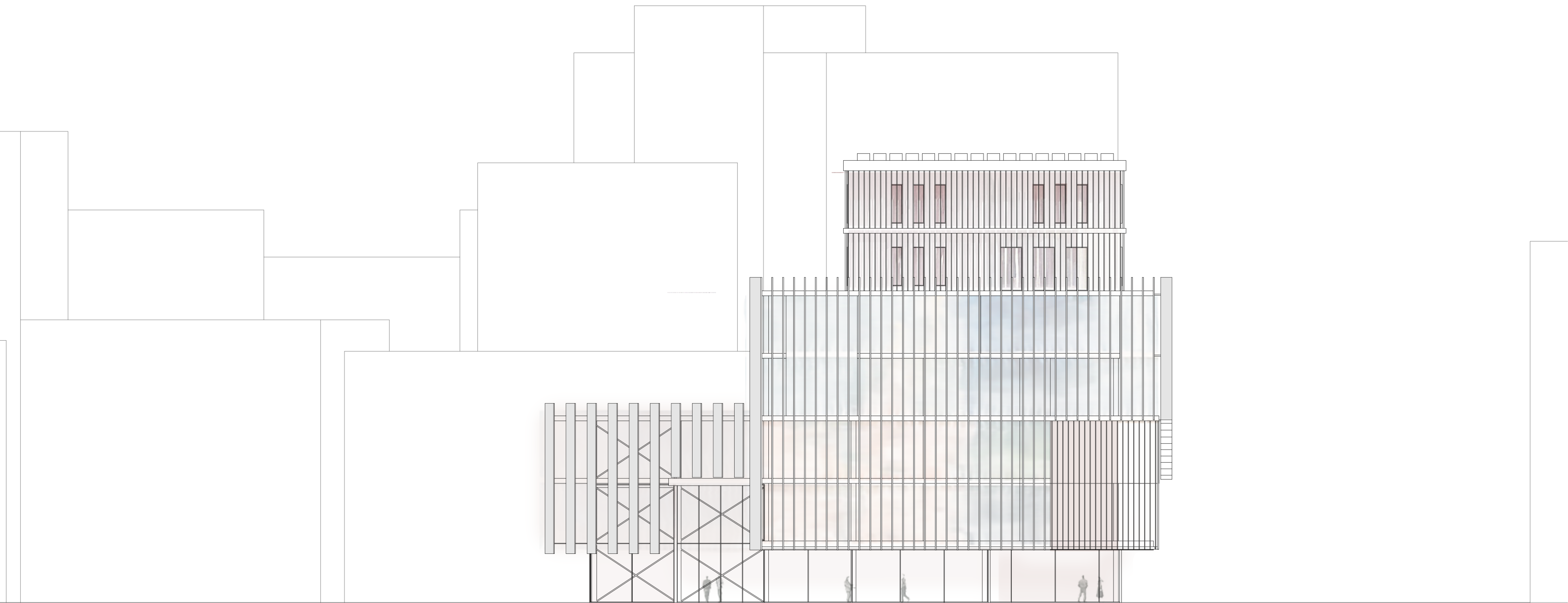
North



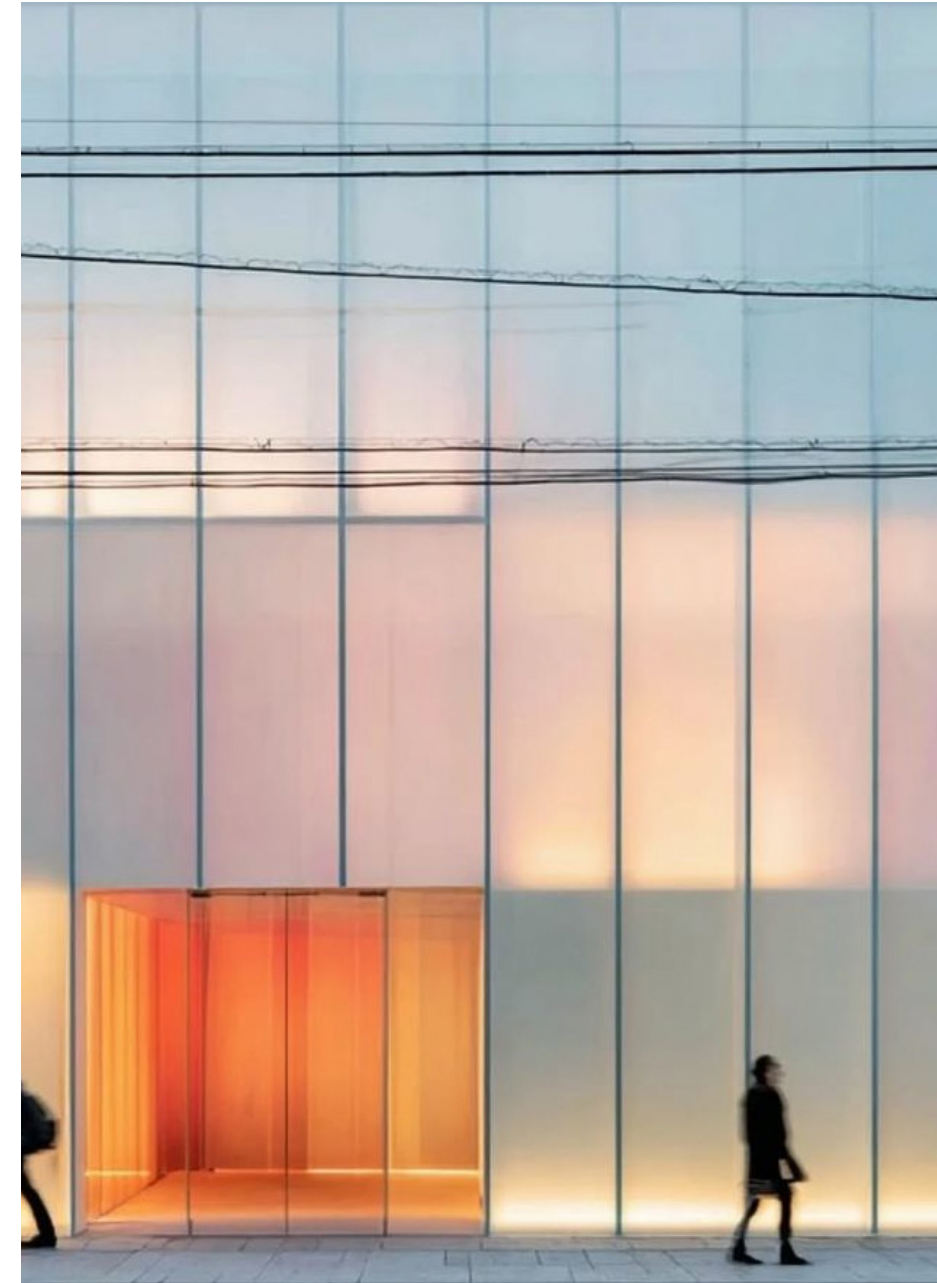
East



South



MATERIALITY



An architectural rendering of a modern building with a facade made of vertical slats. The building has multiple levels, including a large outdoor staircase on the upper left. In the foreground, there is a paved plaza with a low concrete wall where two people are sitting. A group of people is walking along a path in the middle ground. The building is surrounded by trees and landscaping, including a large tree on the right and various plants in the foreground. The overall atmosphere is bright and airy, with a focus on the building's facade and the people interacting with the space.

Facade as a living filter

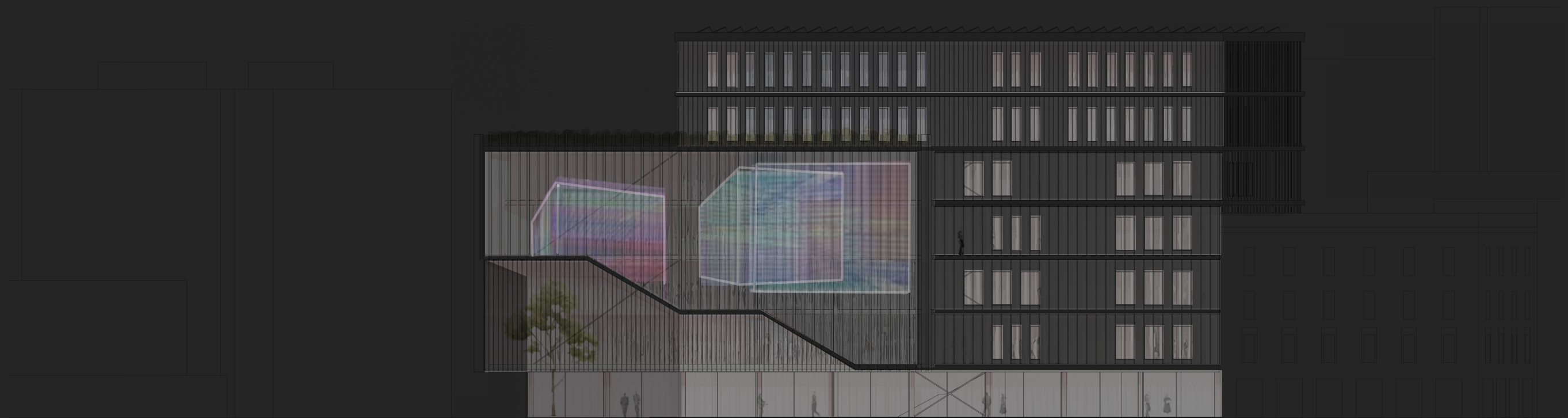
Rythm of movement

Vertical slats

Projection

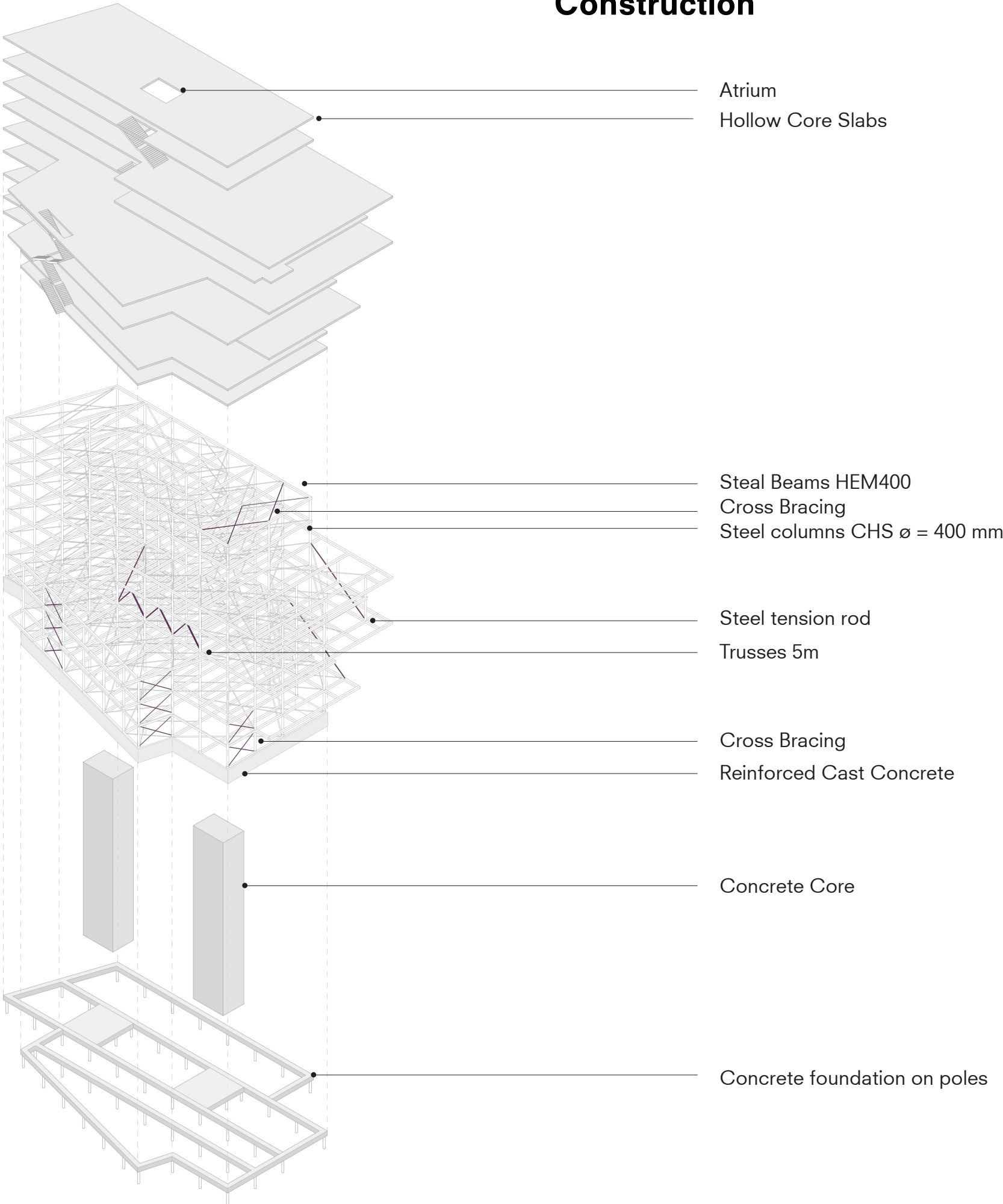
Ever Changing

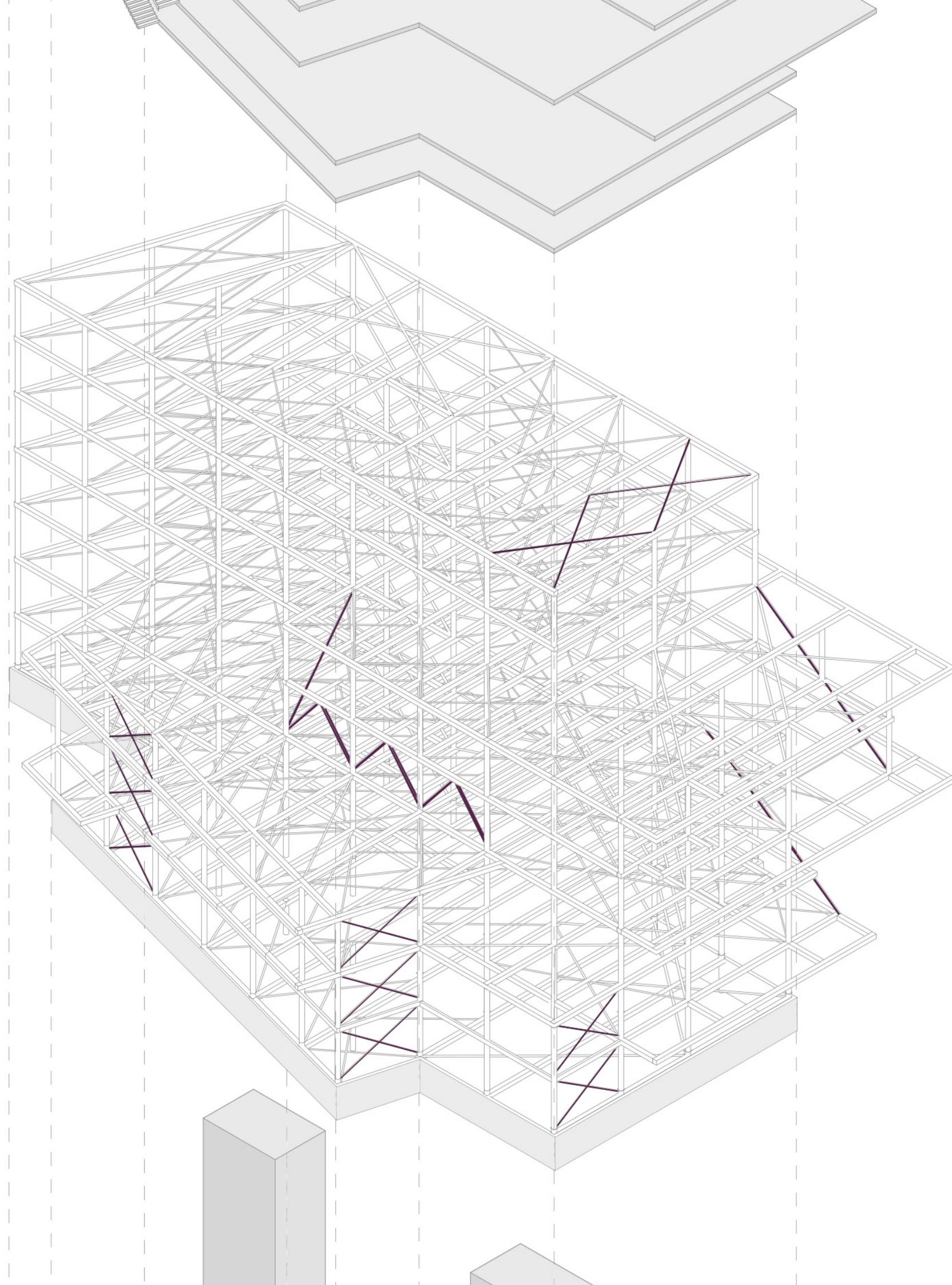






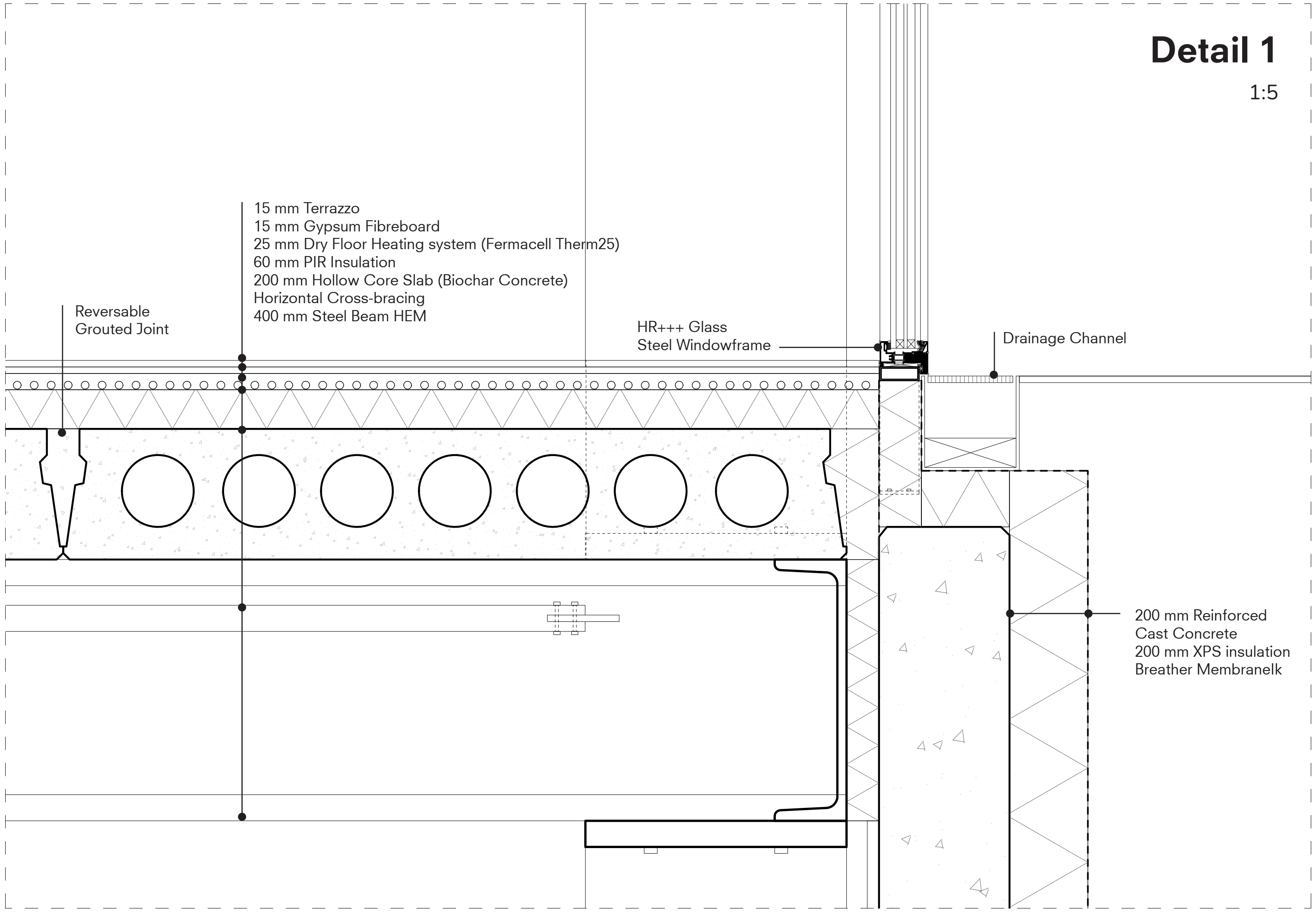
Construction





Detail 1

1:5



Reversable
Grouted Joint

15 mm Terrazzo
15 mm Gypsum Fibreboard
25 mm Dry Floor Heating system (Fermacell Therm25)
60 mm PIR Insulation
200 mm Hollow Core Slab (Biochar Concrete)
Horizontal Cross-bracing
400 mm Steel Beam HEM

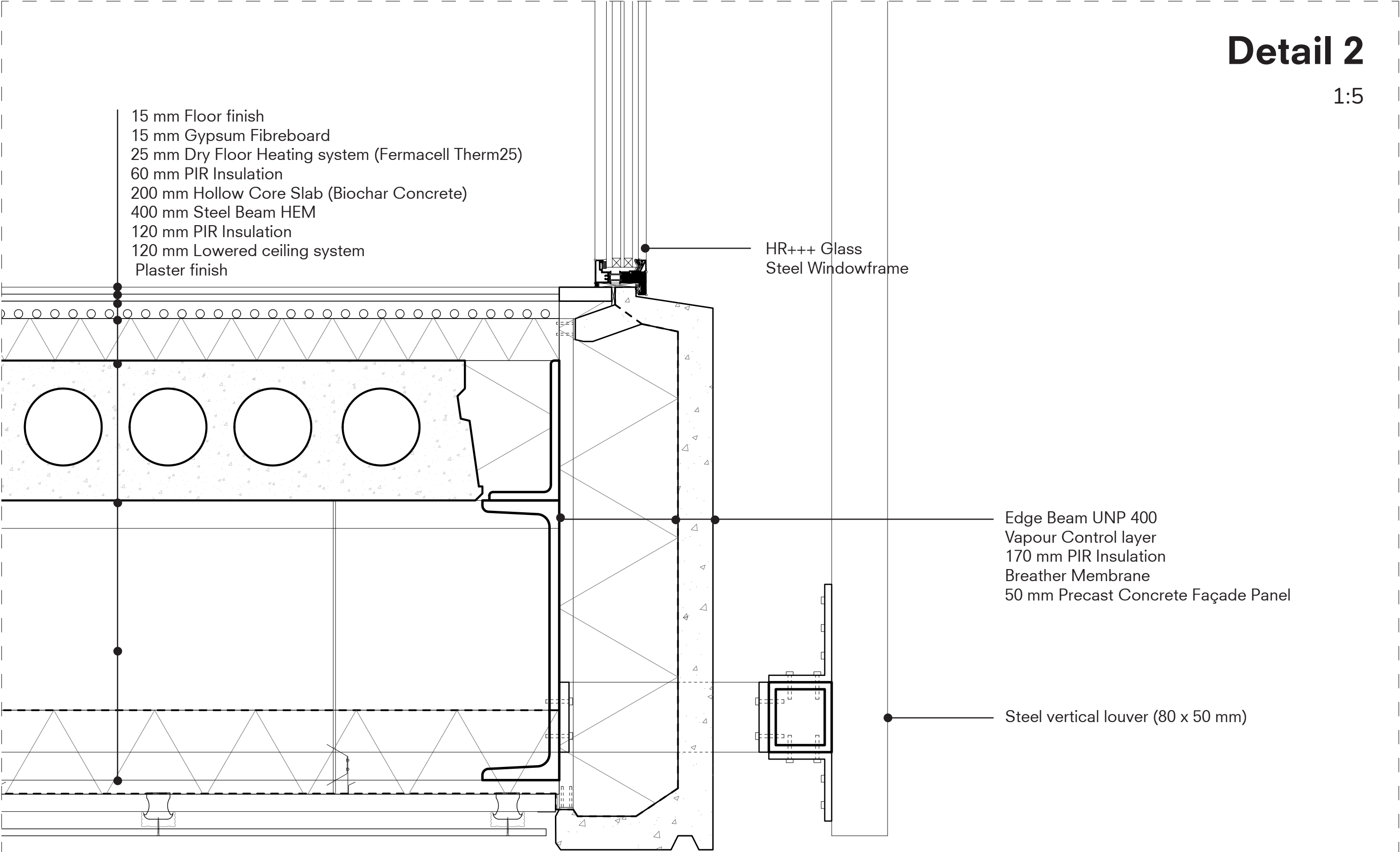
HR+++ Glass
Steel Windowframe

Drainage Channel

200 mm Reinforced
Cast Concrete
200 mm XPS insulation
Breather Membrane

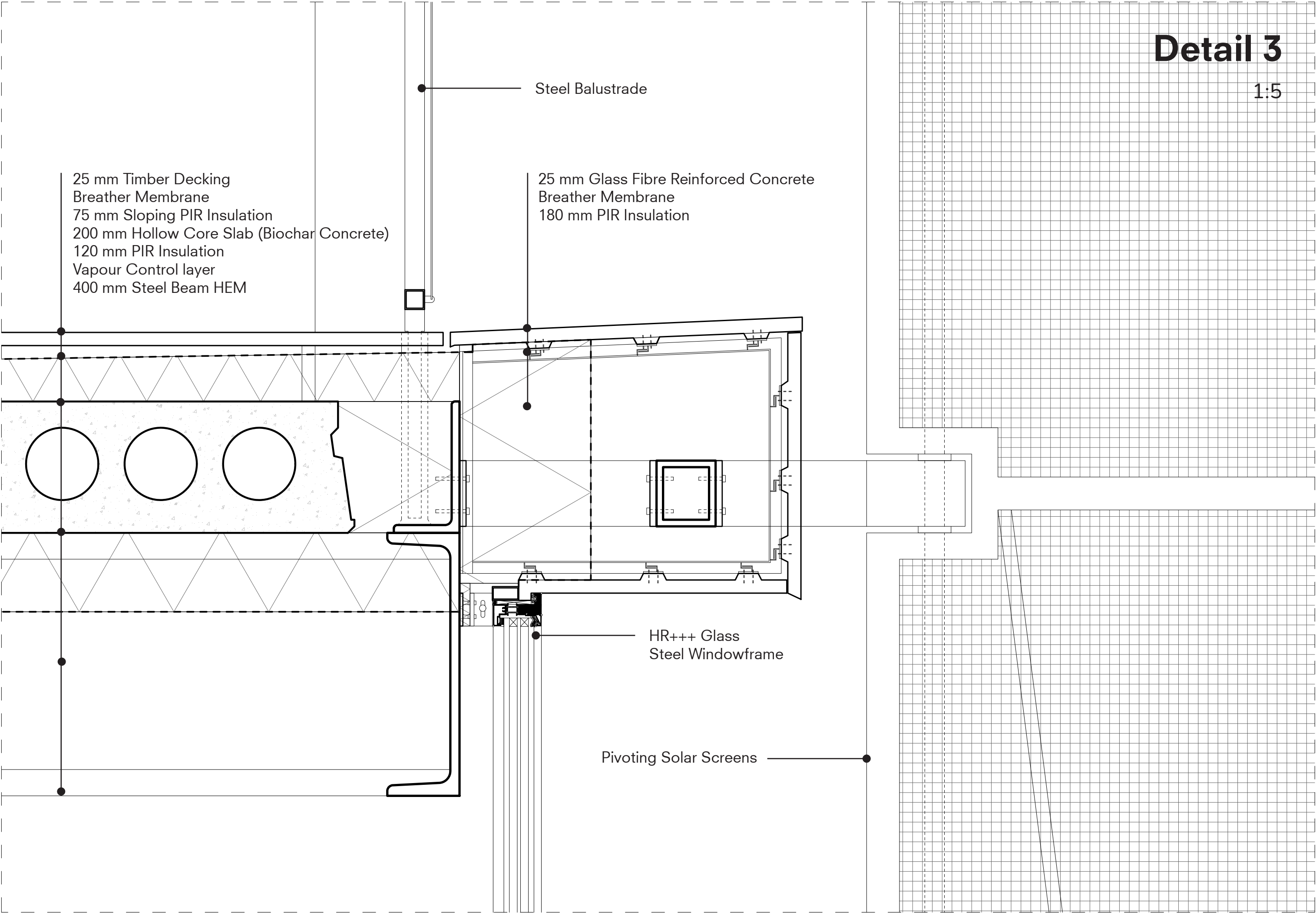
Detail 2

1:5



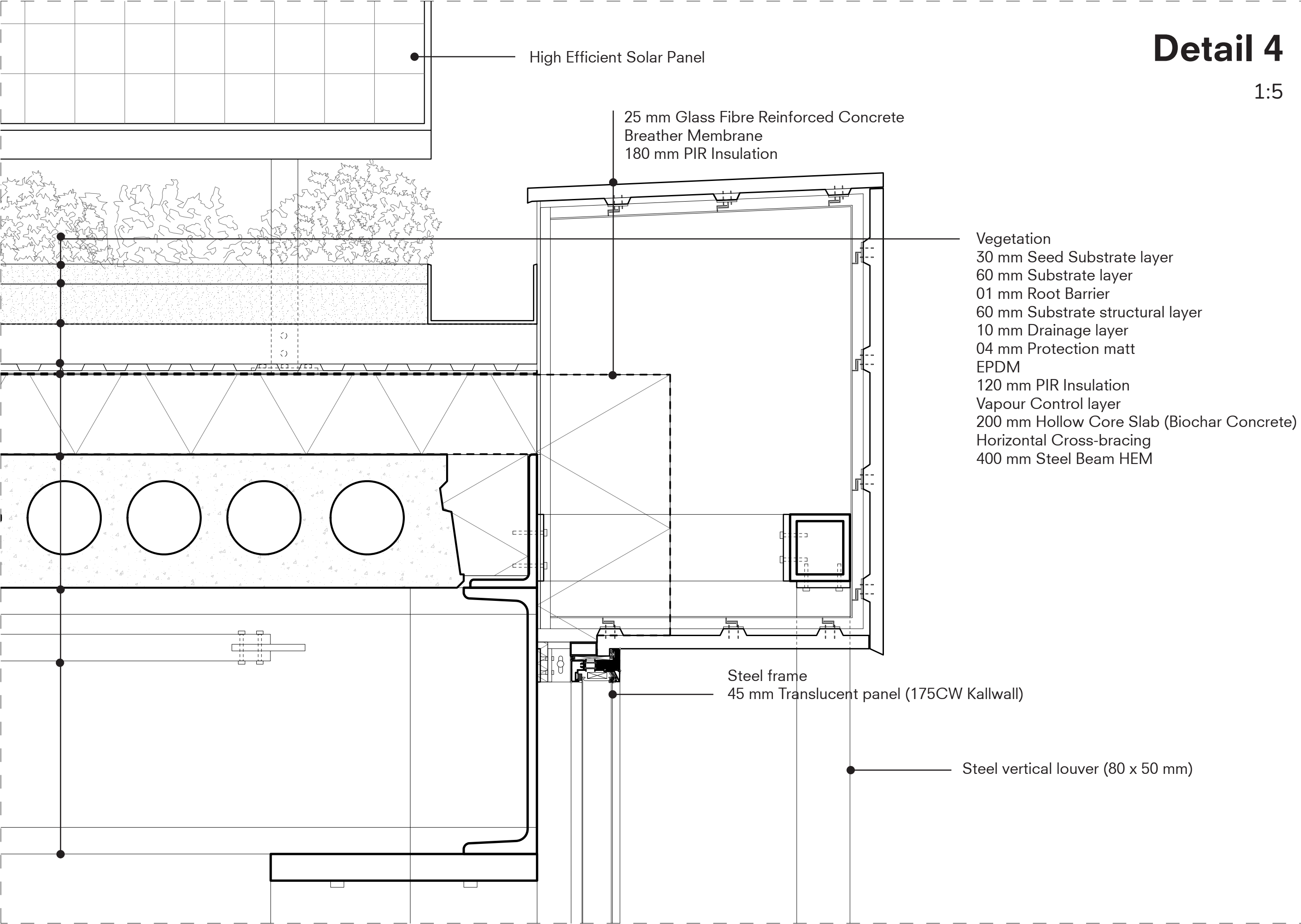
Detail 3

1:5

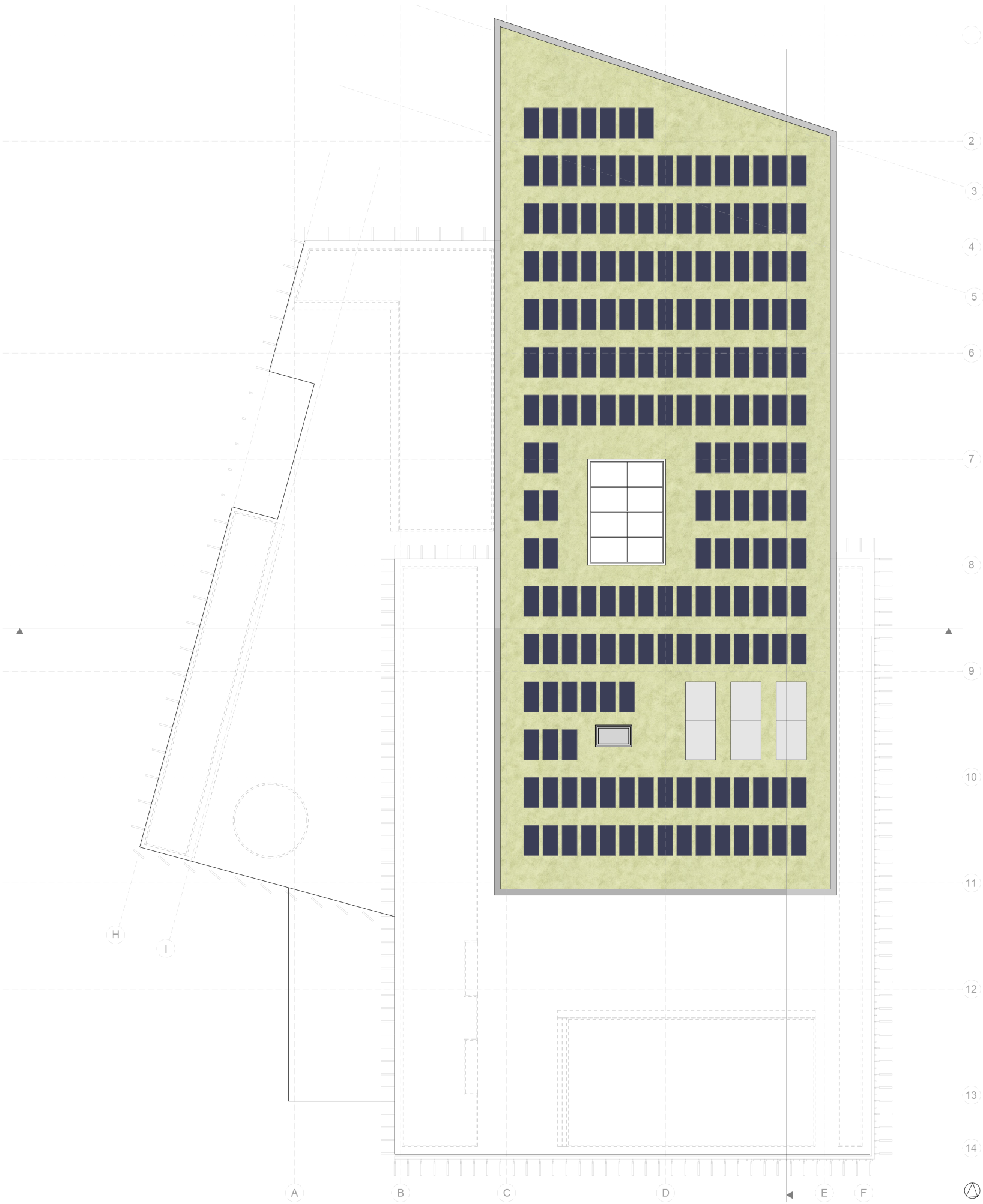


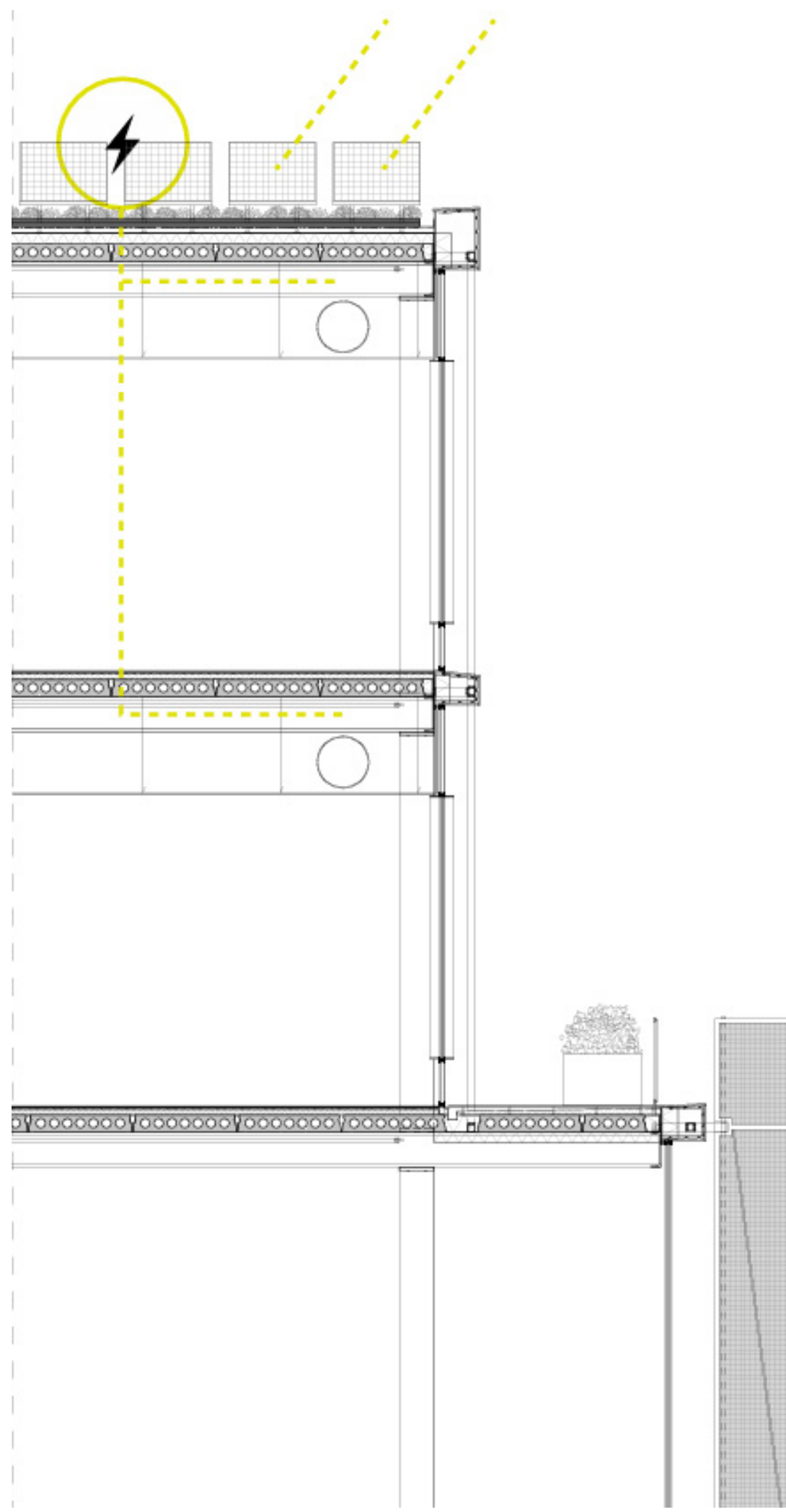
Detail 4

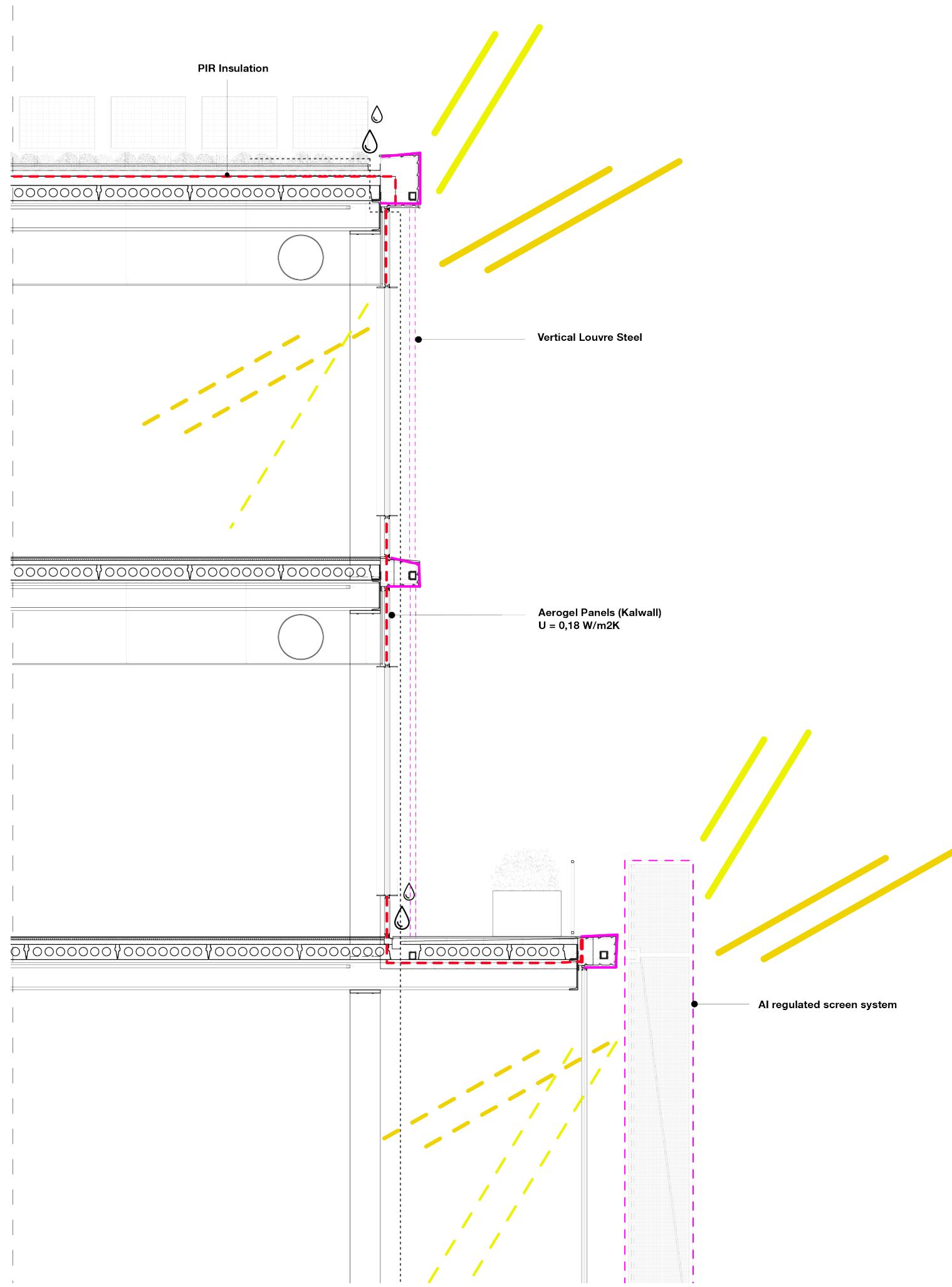
1:5

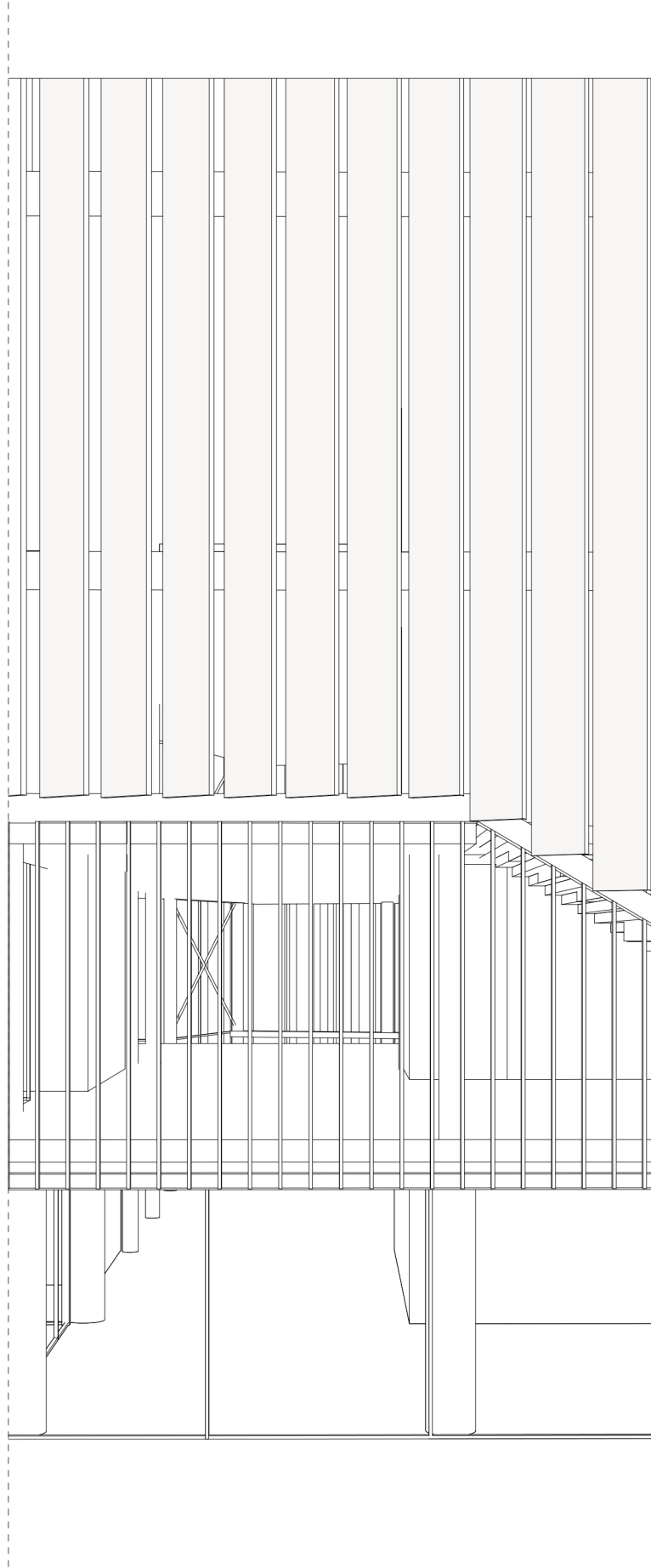
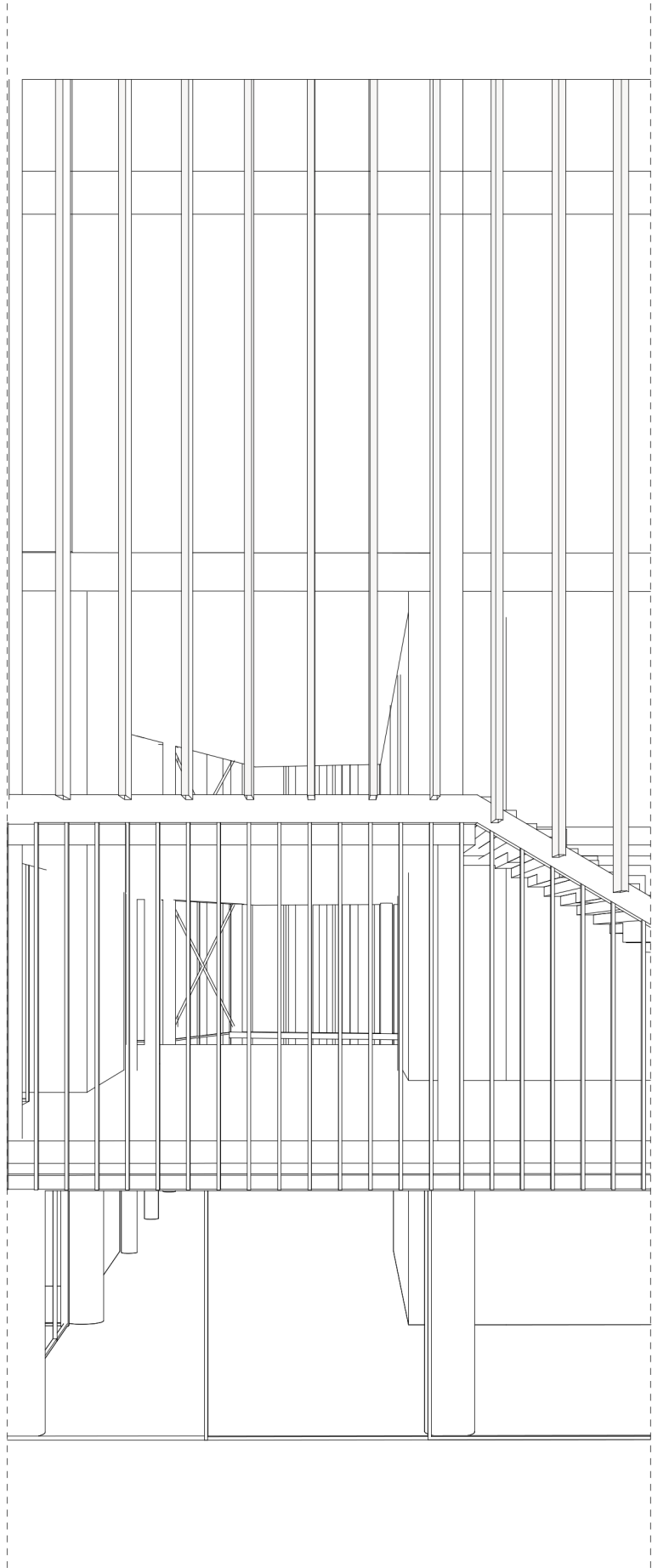


Roof
Sedum Roof
Solar Panels
Installations

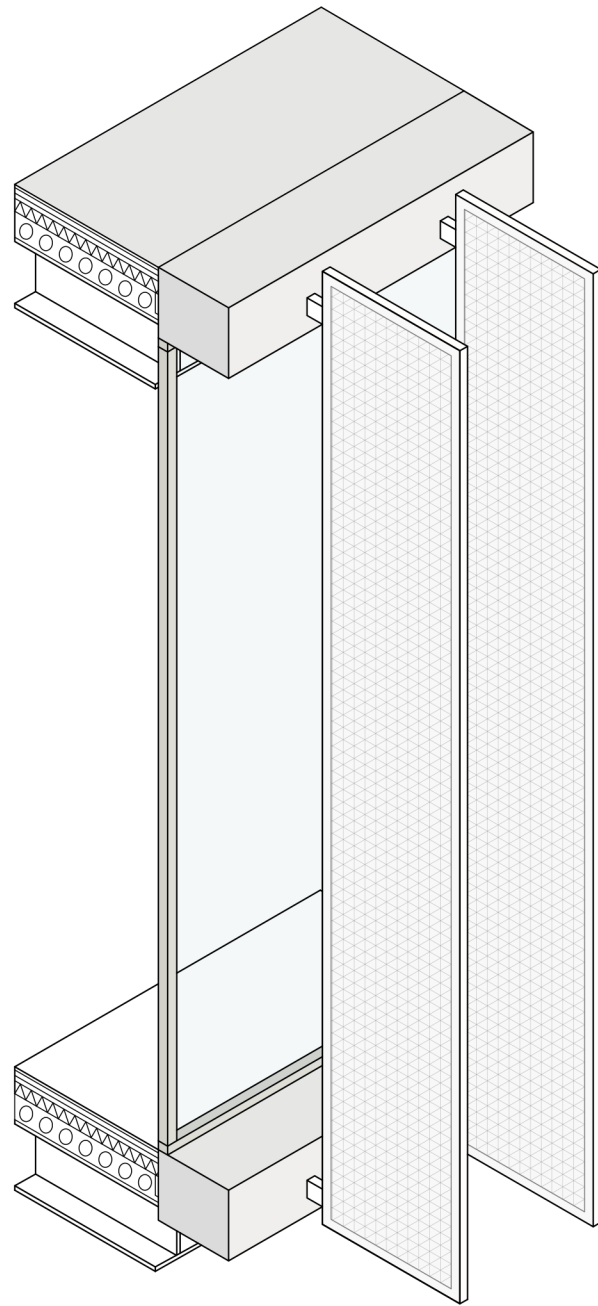




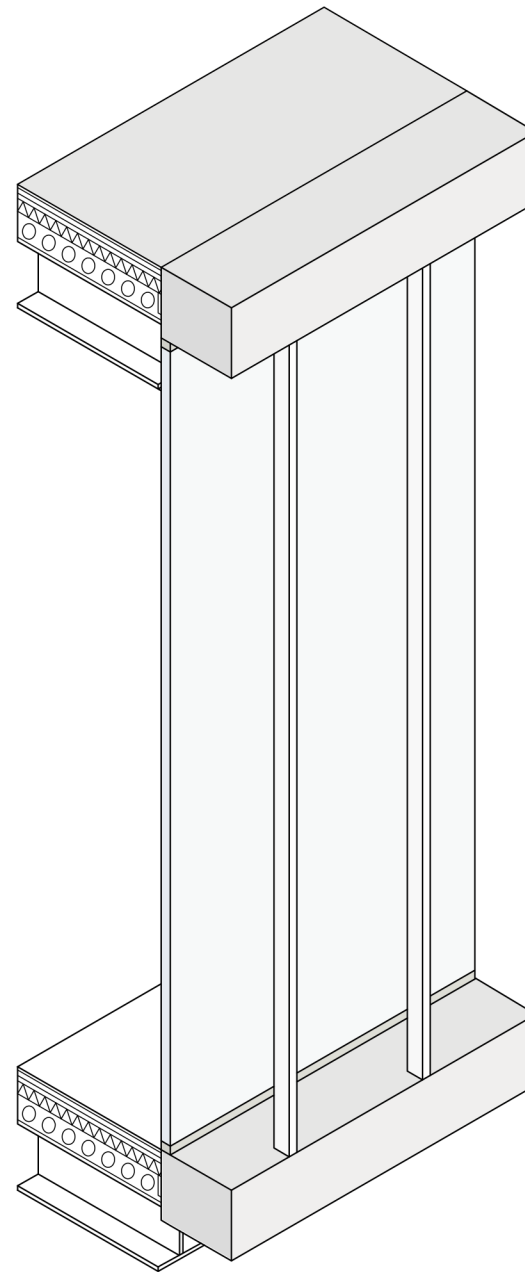




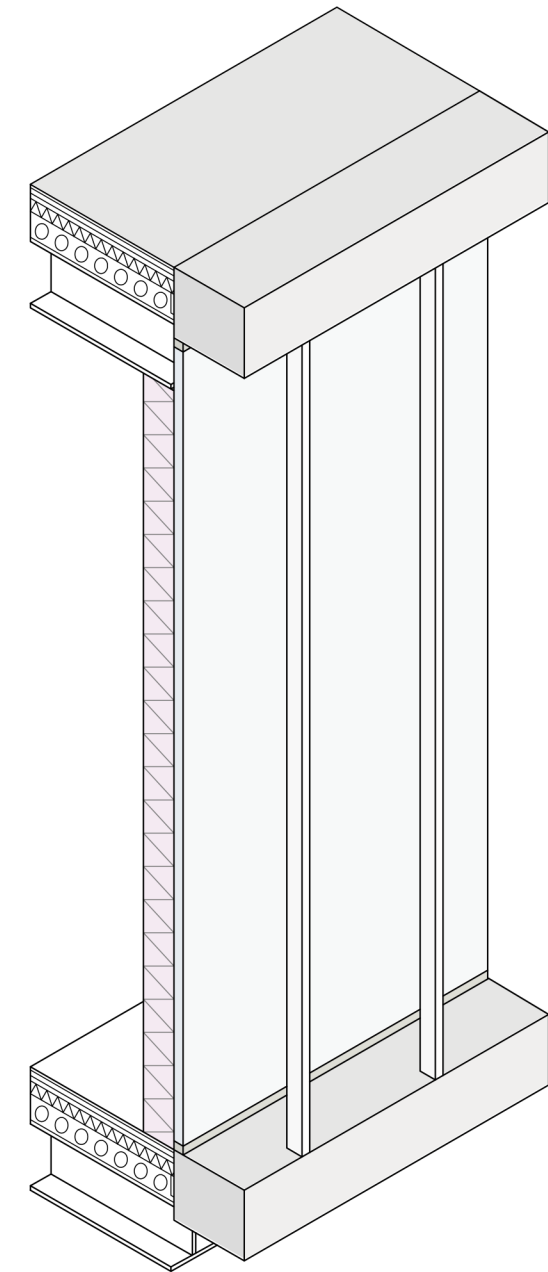
FACADE STRATEGY



Glass
Perforated Slats



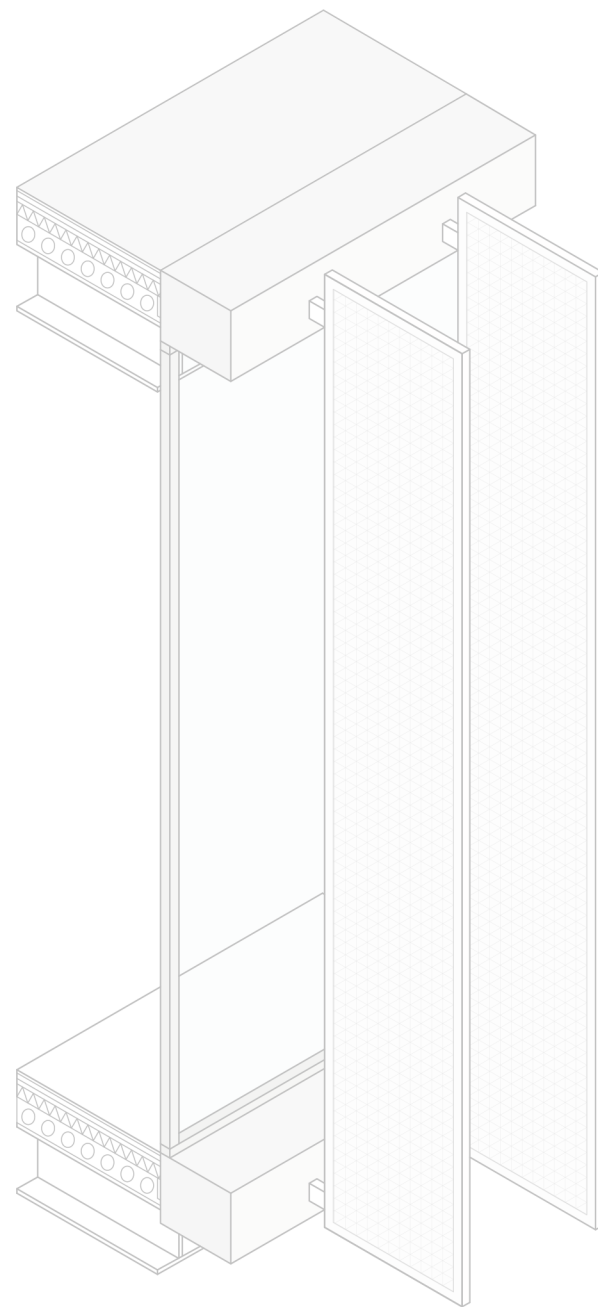
Aerogel Panel (Kalwall)
Slats



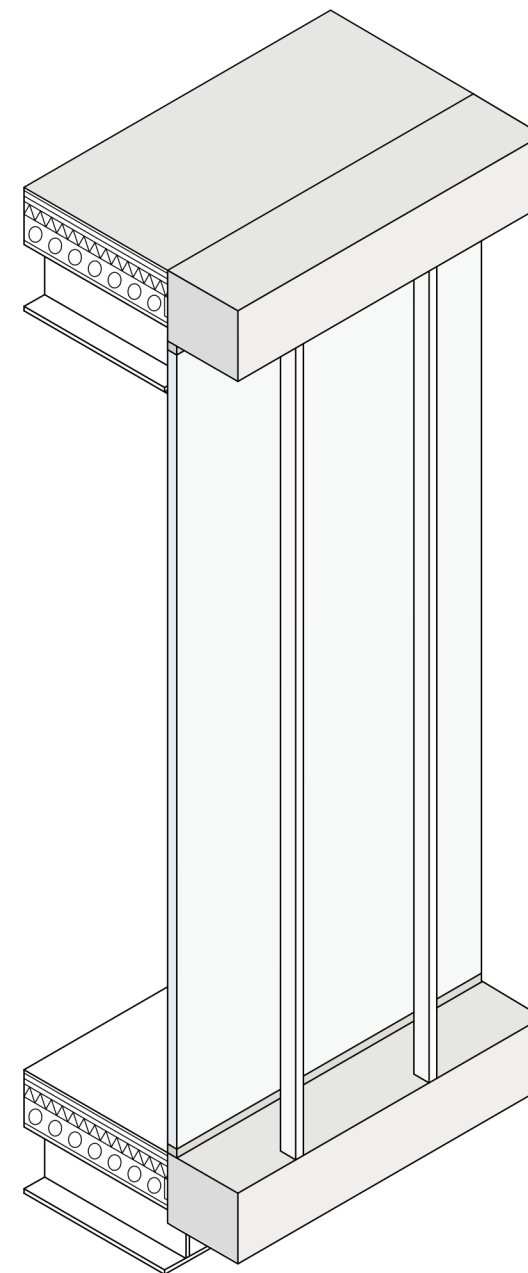
Insulation Panel
Translucent Glass
Slats

FACADE STRATEGY

$R_c = 3,9 \text{ m}^2\text{K/W}$

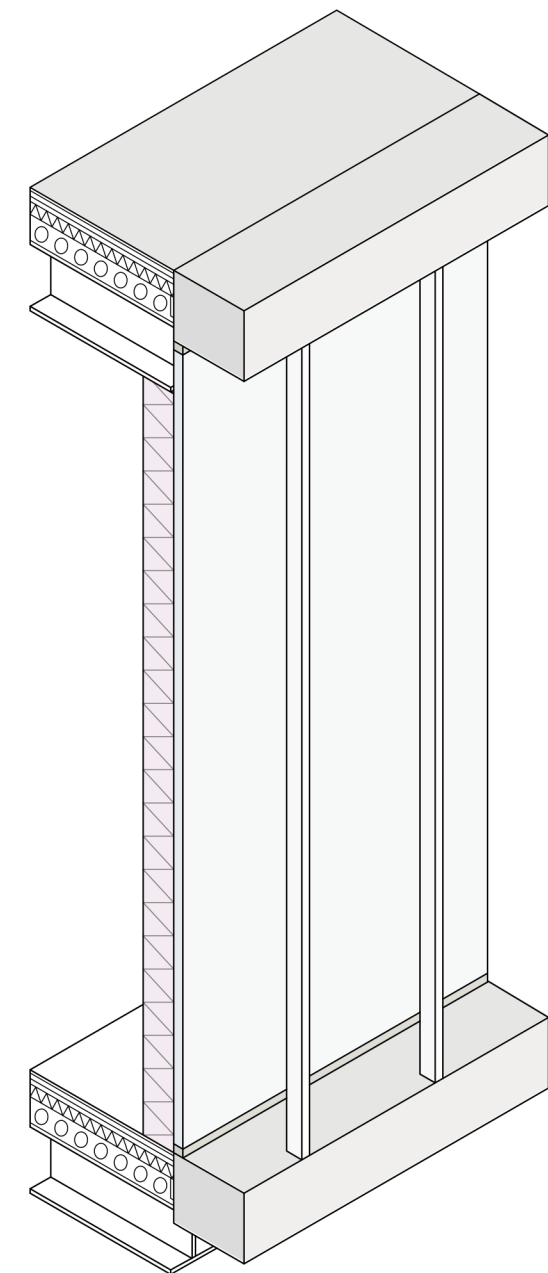


Glass
Perforated Slats



Aerogel Panel (Kalwall)
Slats

$R_c = 6,5 \text{ m}^2\text{K/W}$



Insulation Panel
Translucent Glass
Slats

▼ 30 m

▼ 25 m

▼ 20 m

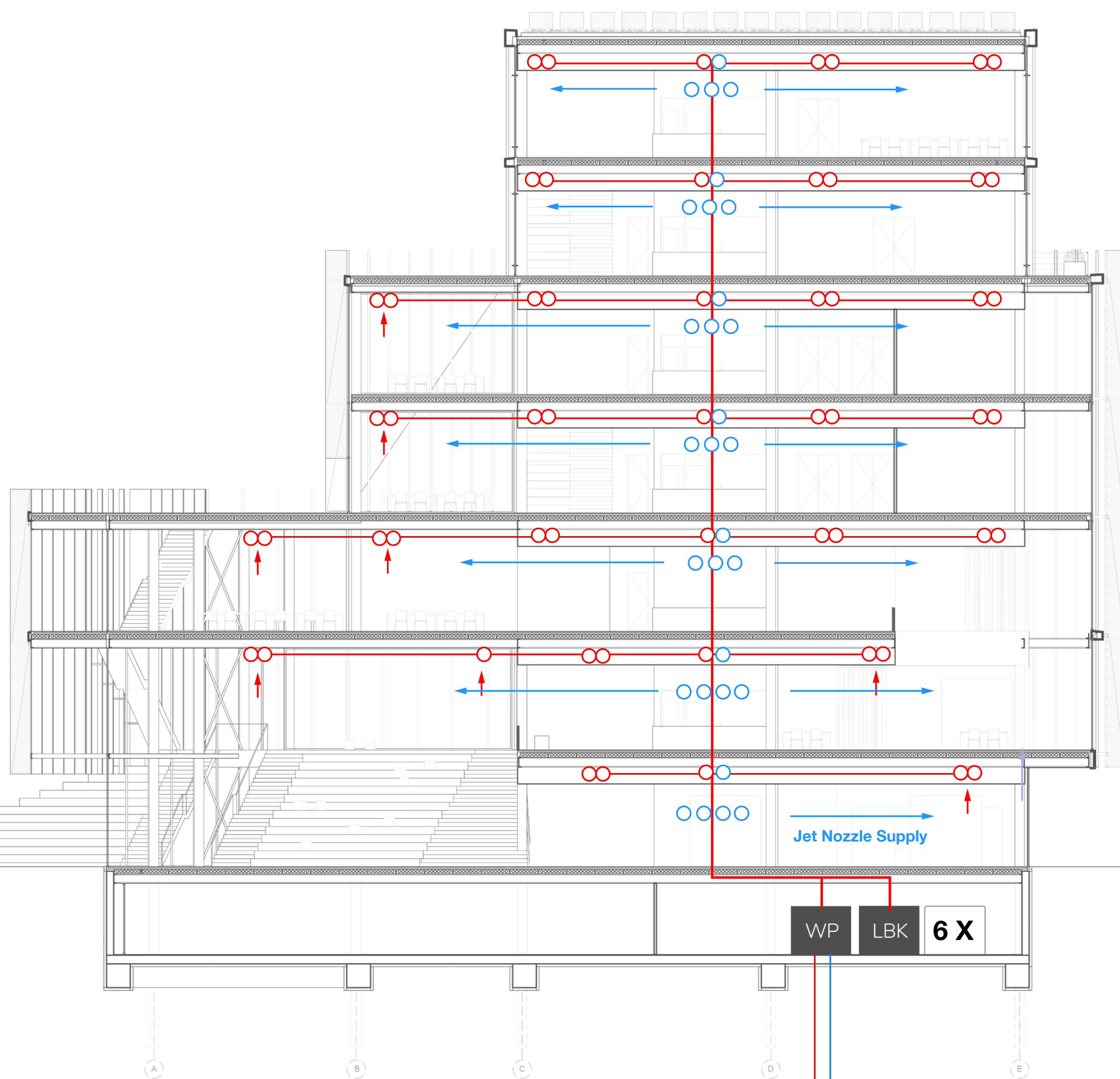
▼ 15 m

▼ 10 m

▼ 5 m

▼ 0 peil

▼ -3.7 m



Jet Nozzle Supply

WP

LBK

6 X

A

B

C

D

E

▼ 30 m

▼ 25 m

▼ 20 m

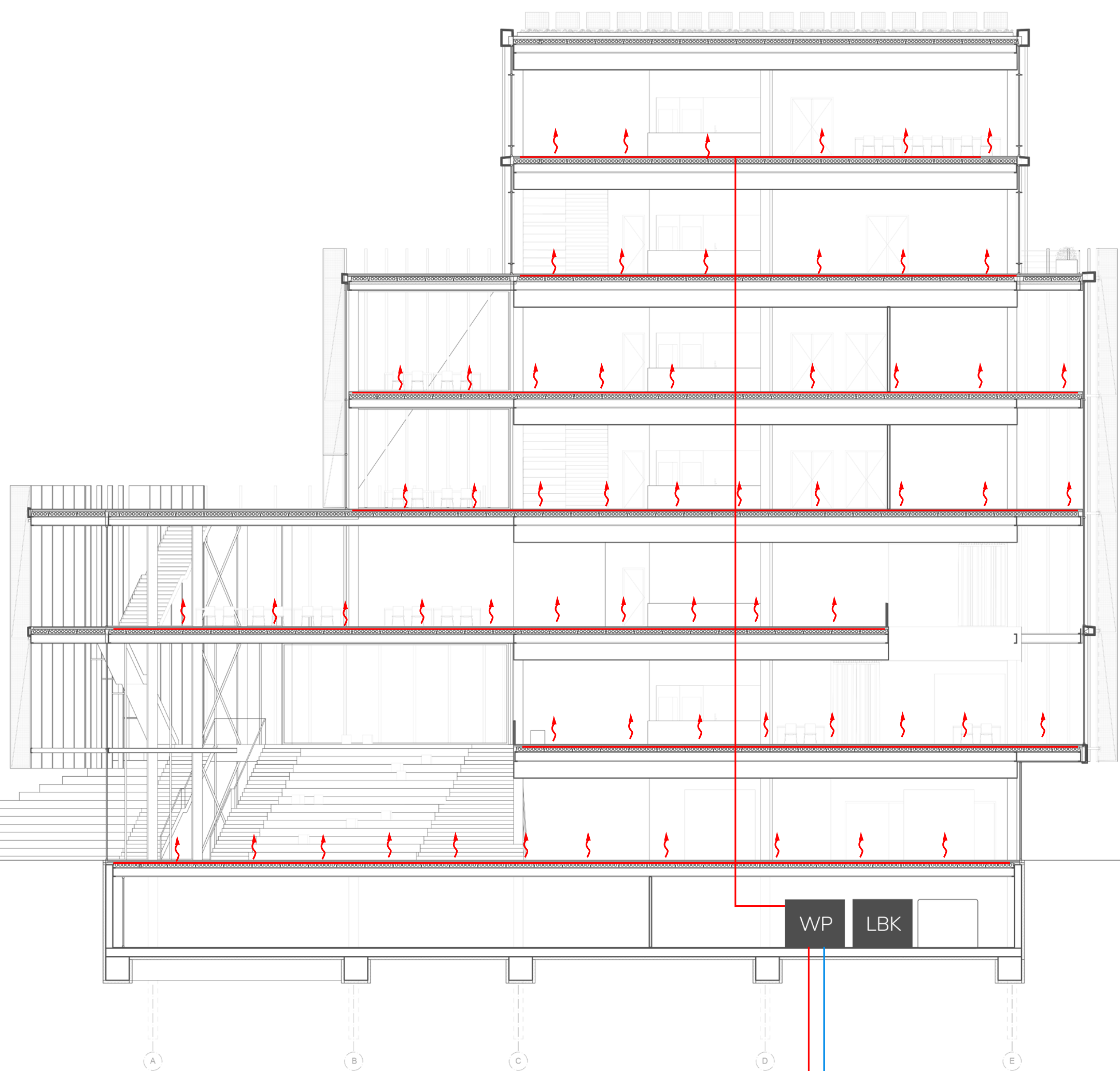
▼ 15 m

▼ 10 m

▼ 5 m

▼ 0 pail

▼ -3.7 m



A

B

C

D

E

▼ 30 m

▼ 25 m

▼ 20 m

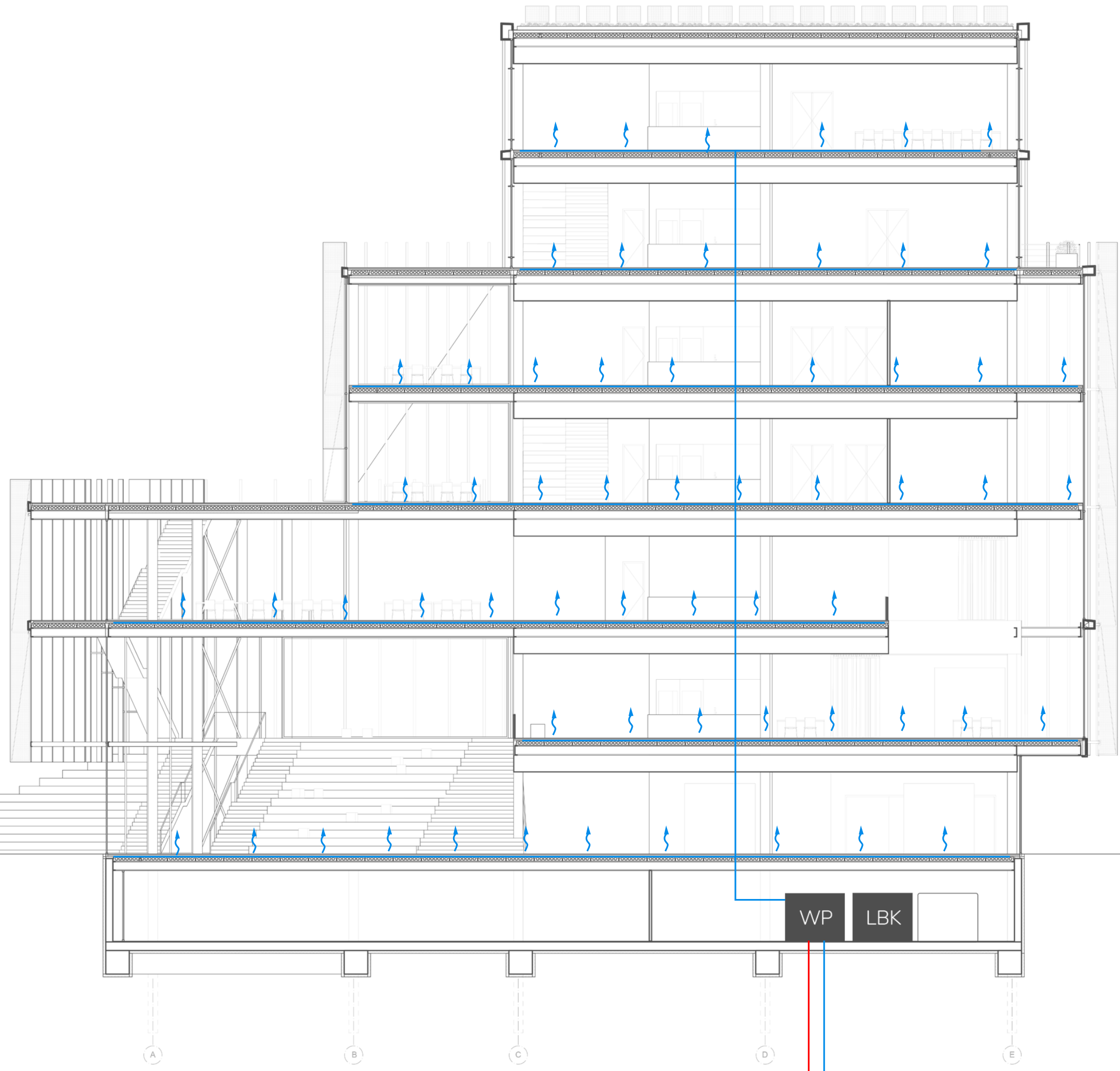
▼ 15 m

▼ 10 m

▼ 5 m

▼ 0 pail

▼ -3.7 m



WP

LBK

A

B

C

D


E

CONCLUSION

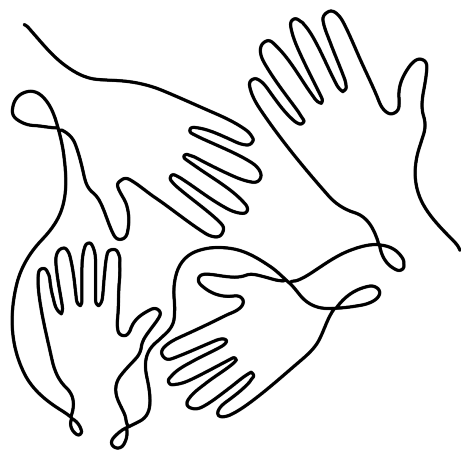


RESEARCH QUESTION

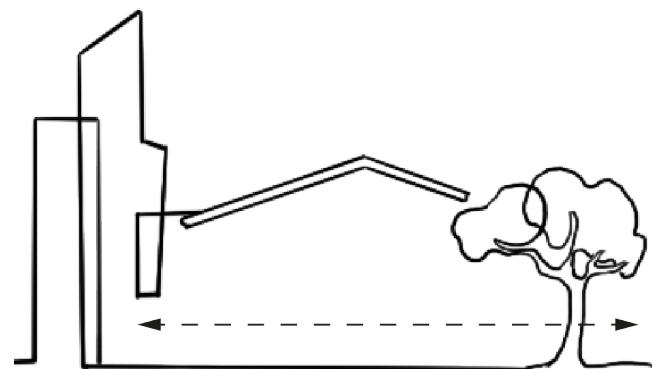
'How can university spaces adapt to the digital transformation of education while sustaining their civic role in fostering social engagement?'

The background of the page is a detailed architectural site plan in a light gray line-art style. It shows various building footprints, some with internal room divisions, and numerous circular symbols representing trees or landscaping. The plan is oriented with a north arrow in the bottom right corner.

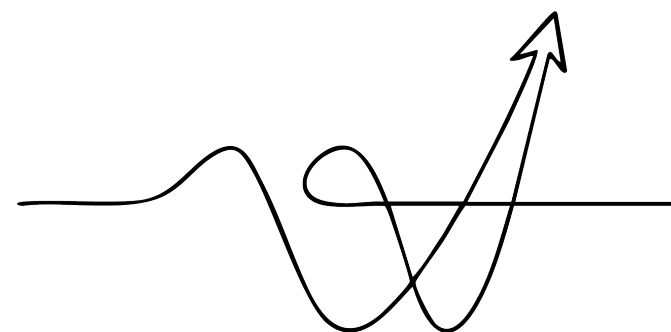
SOCIAL OPEN & ENGAGED WITH SOCIETY COLLABORATION & OWN INITIATIVE INNOVATION



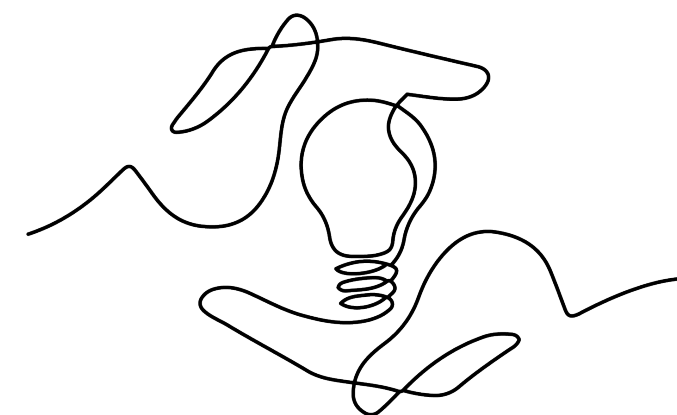
**FUNCTION AS
SOCIAL HUB**



**CONTINUITY FROM
EXTERIOR TO INTERIOR**



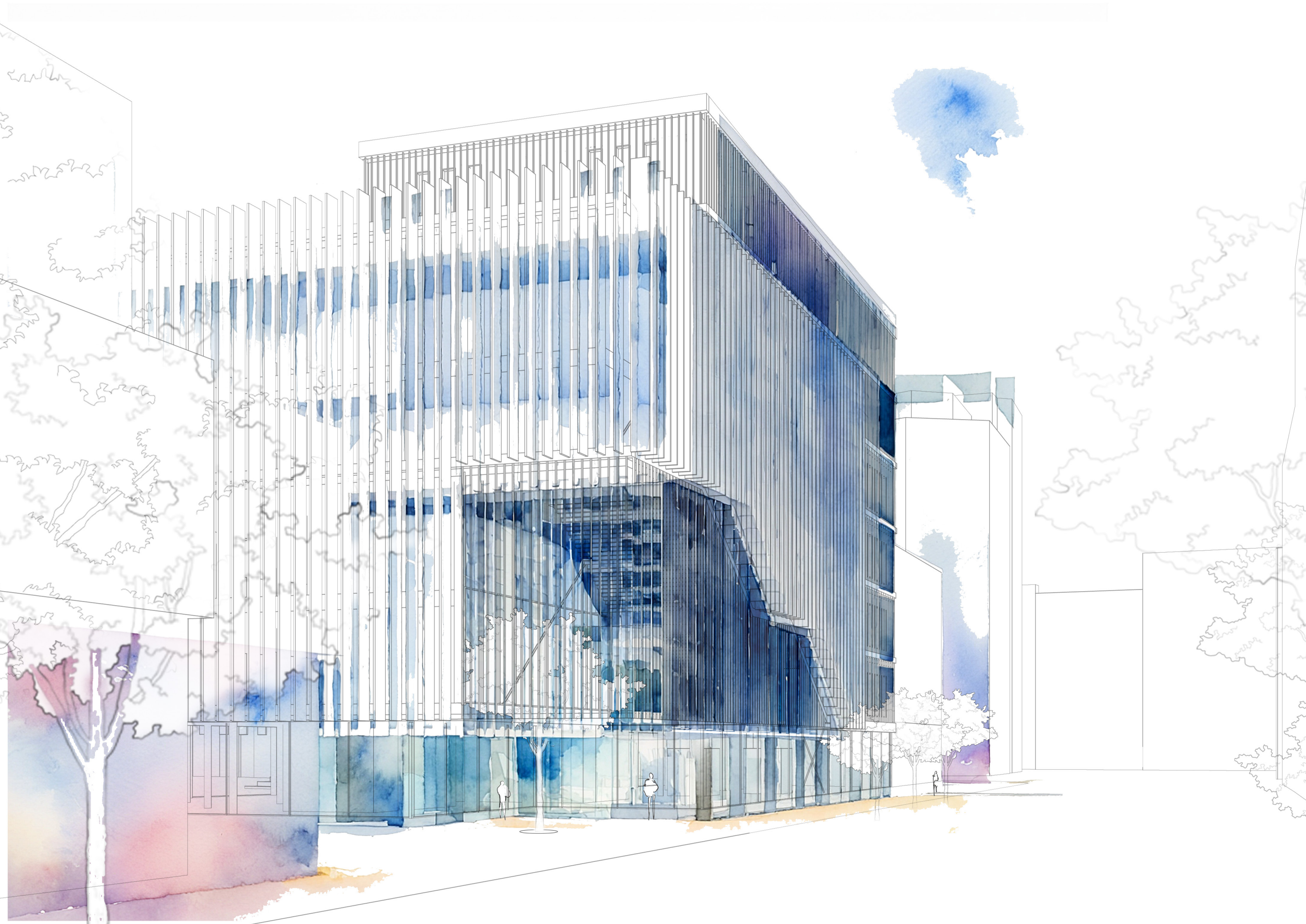
**CREATE SPACES FOR THE
CREATIVE ECONOMY**



**EXPRESS INNOVATION
THROUGH
ARCHITECTURAL DESIGN**

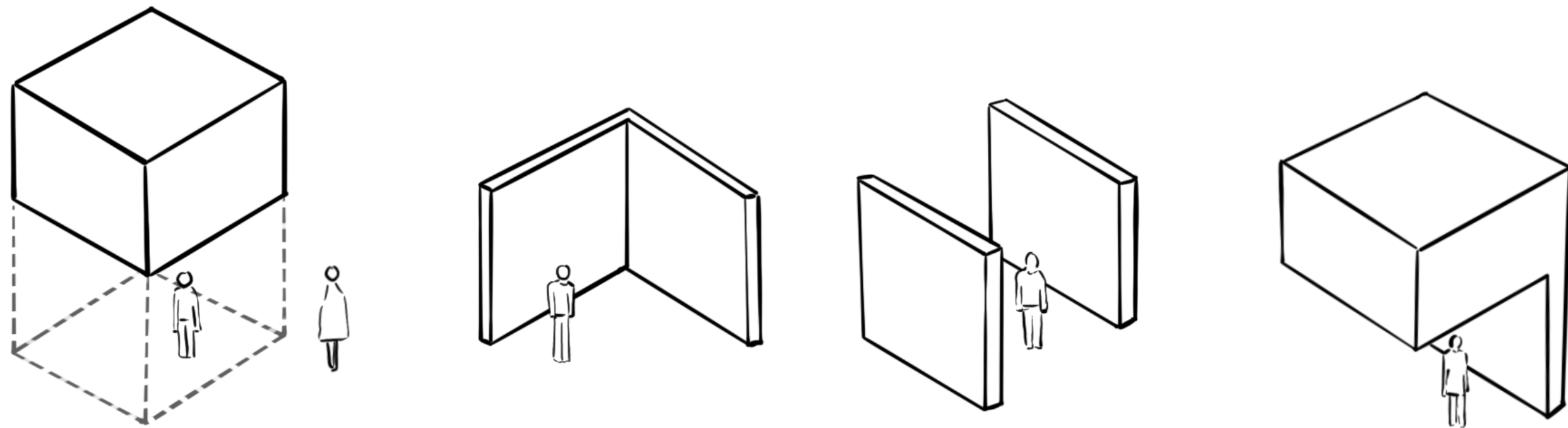


The building as layered learning landscape that supports **innovation, social engagement** and **personal initiative**. **Connecting** students to each other and to the creative economy of Milan.



Future **Bocconi**

THE UNIVERSITY WITHOUT WALLS



BEYOND THE CLASSROOM

P5
COMPLEX PROJECTS

Annelot Siegers
22.01.26

