

# From exhaustion To resilience

"Re-imagining the possible"

#### Miguel Borst | 4886356 | 19-6-2025

Public building graduation studio P5
Tutors: Sien van Dam (TD), Henk Bultstra (PD) & Florian Echkart (TBD)
Delegate: Luca Luorio



The map of Denmark



The neighborhood Sonderbro located on the island of Amager

### A Public condenser in Sonderbrø



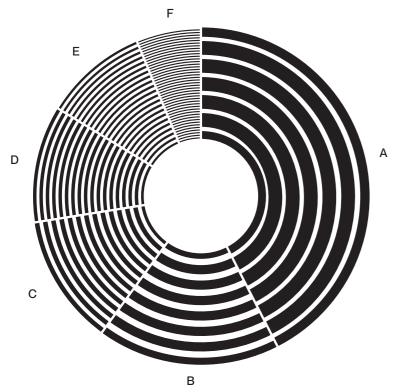






# "We are doomed..."

- Sonderbro resident



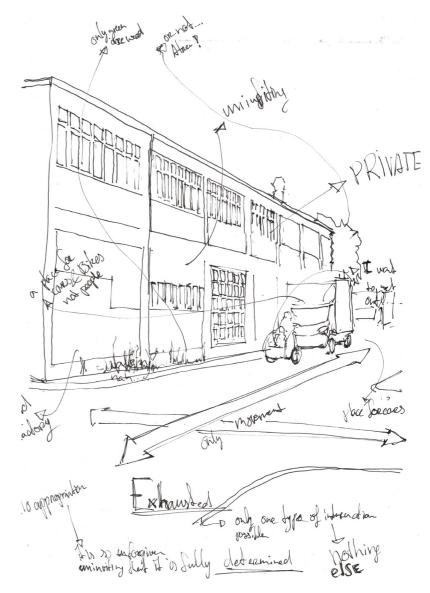
Sundholm challenges Source: Rasmus Andersen

A Lack of meeting places	34
B Physical barriers	14
C Lack of connection	10
D No gatherings	9
E Lack of Hygge	8
F Bad reputation	5



"Exhausted is a whole lot more than tired (...)
The tired has only exhausted realization, while the exhausted exhausts all of the possible. The tired can no longer realize, but the exhausted can no longer possibilitate."

- Deleuze and Uhlmann, "The Exhausted." (1995)



Sketch analysis of an exhausted corner near the Fabrikken.

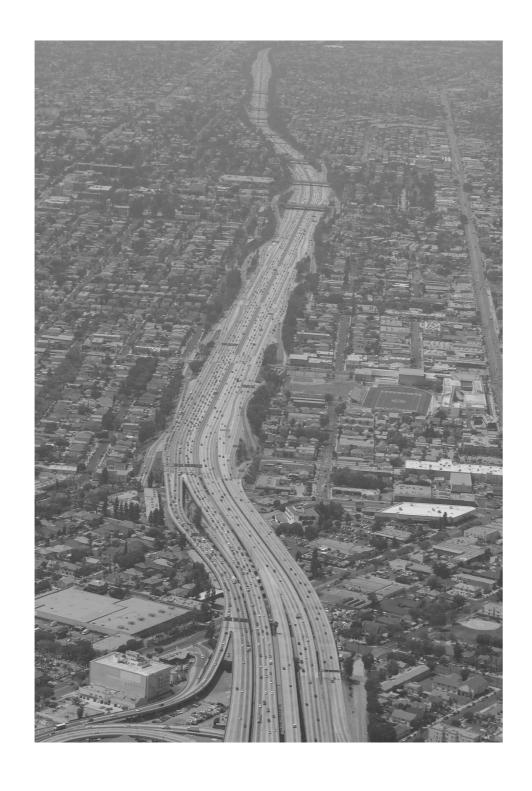
# "How can a public condenser disrupt an exhausted urban and social context?"

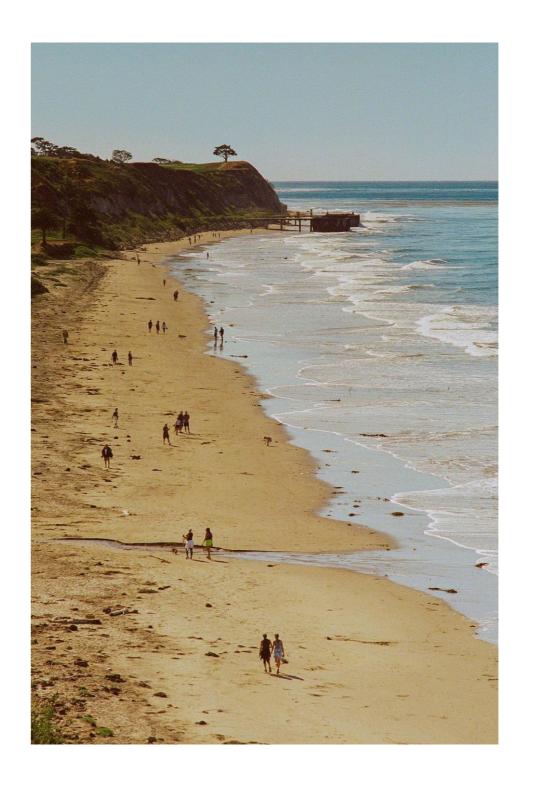
To generate and re-imagine the possible



The spectacle The everyday

## The spectacular everyday





## **Turning boundaries into borders**

"The boundary is an edge where things end; the border is an edge where different groups interact." - Richard Sennet &

**Developing the building** 

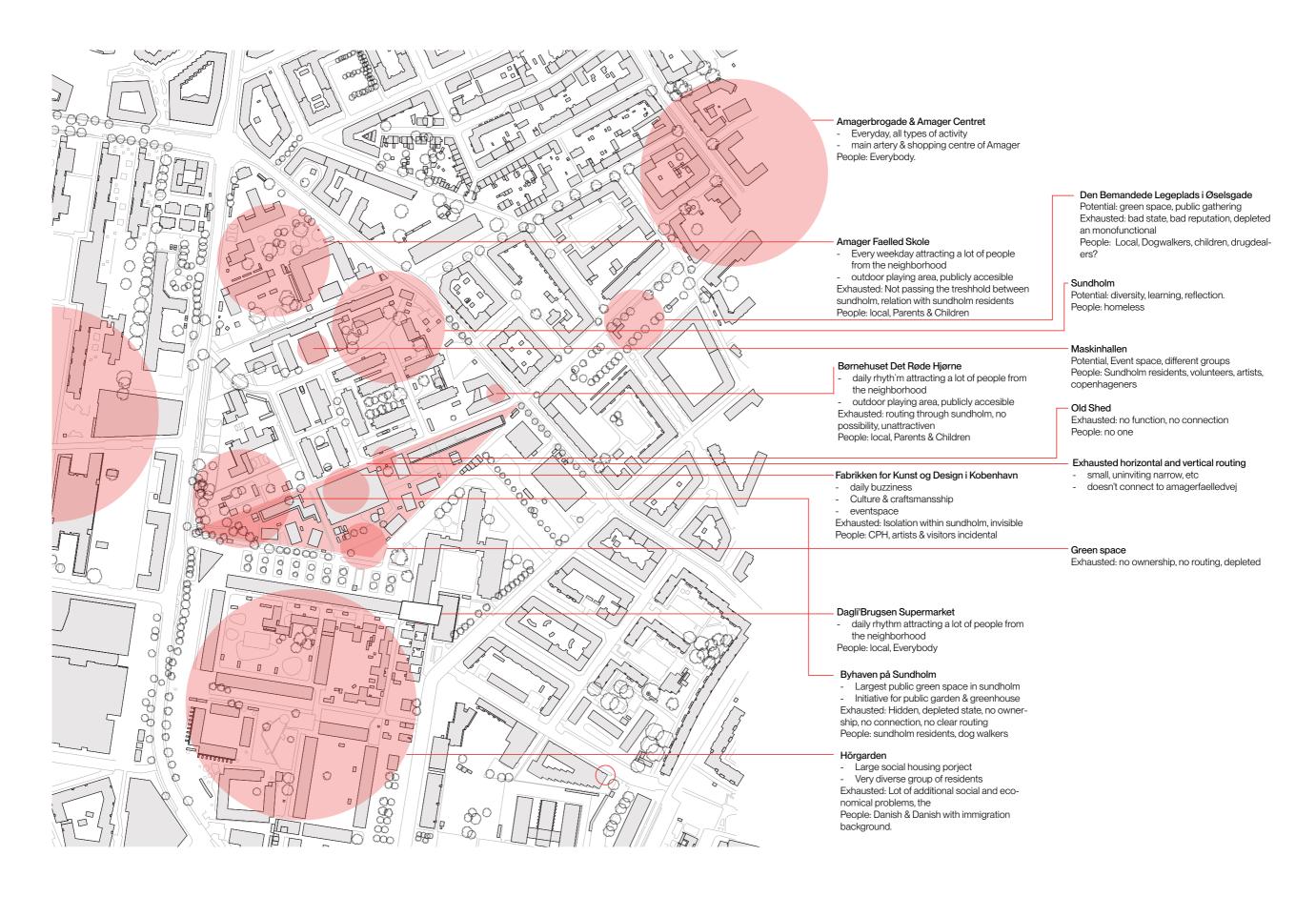
The building elements

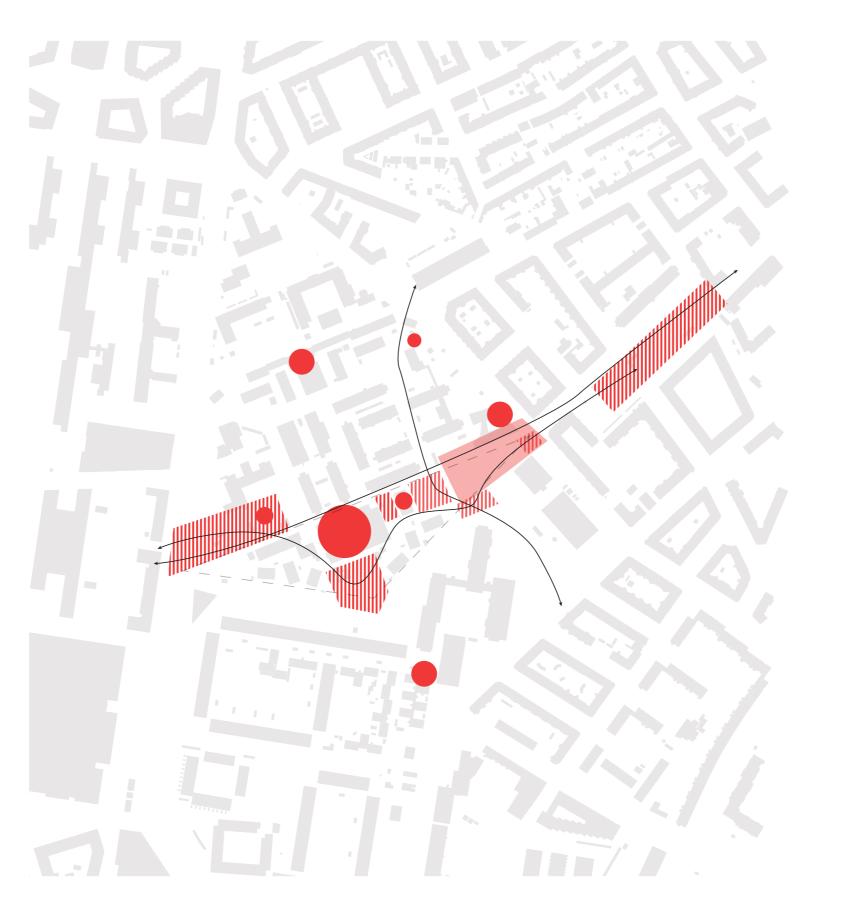
**Developing the building** 

The building elements



**Turning boundaries into borders** 

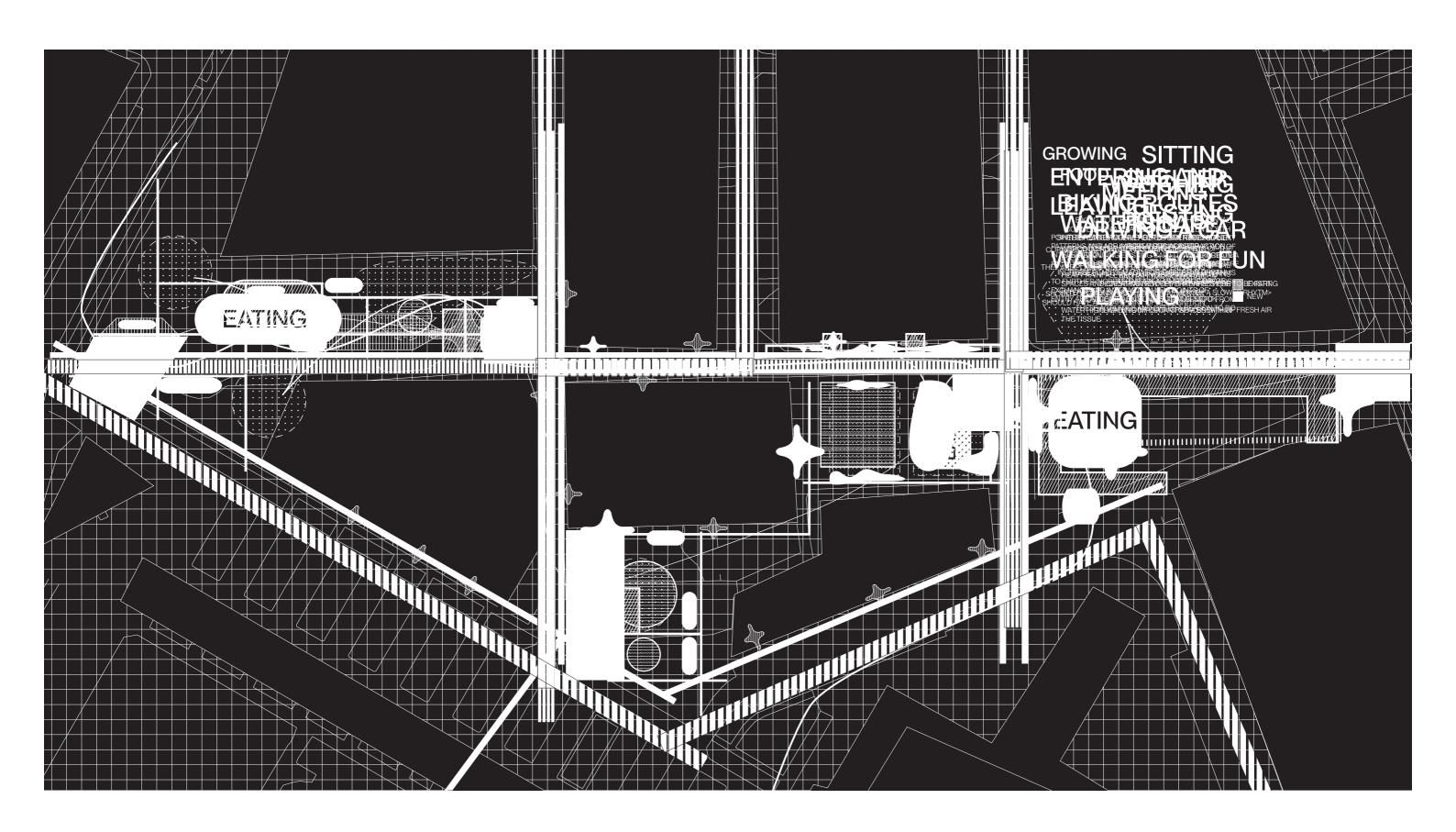


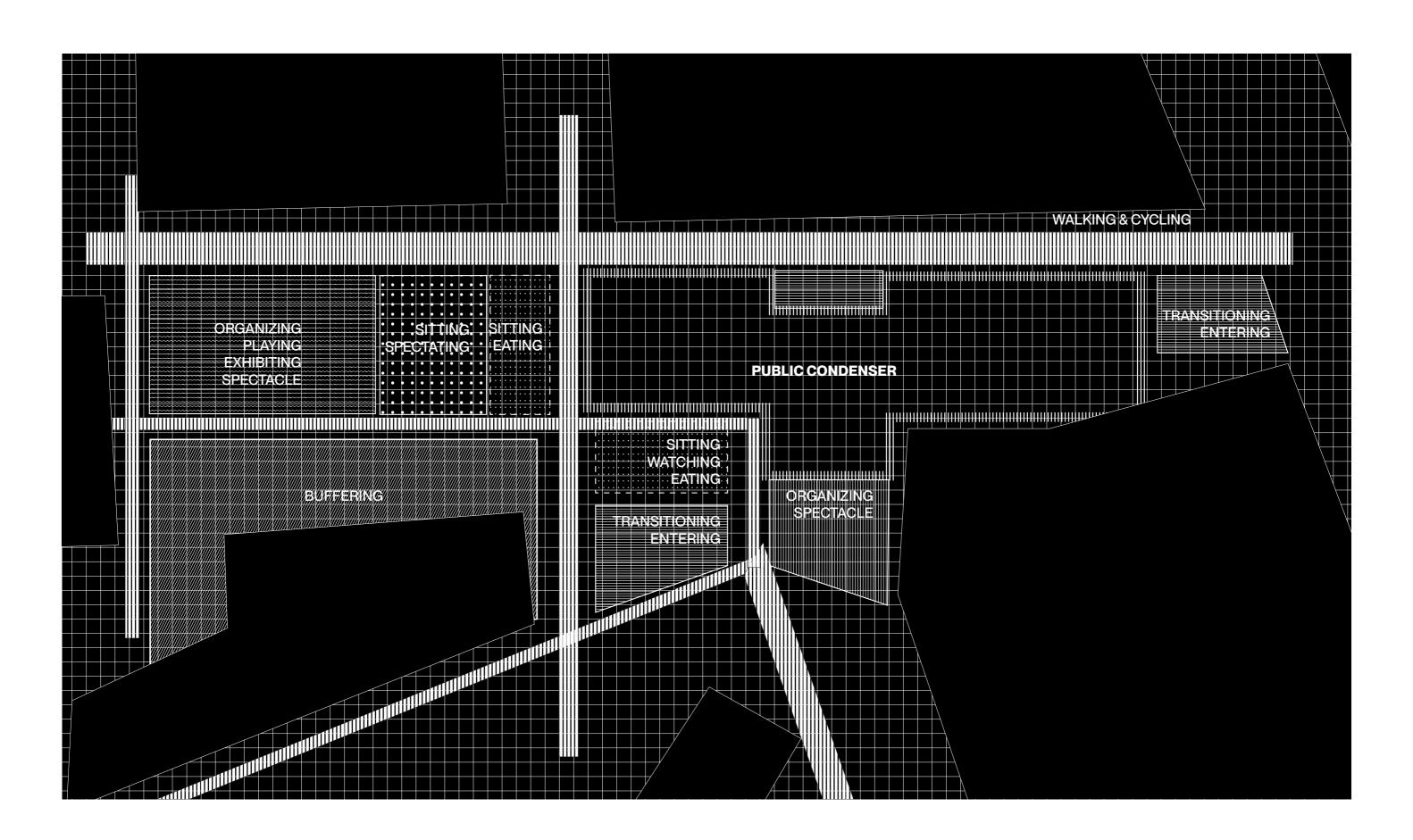


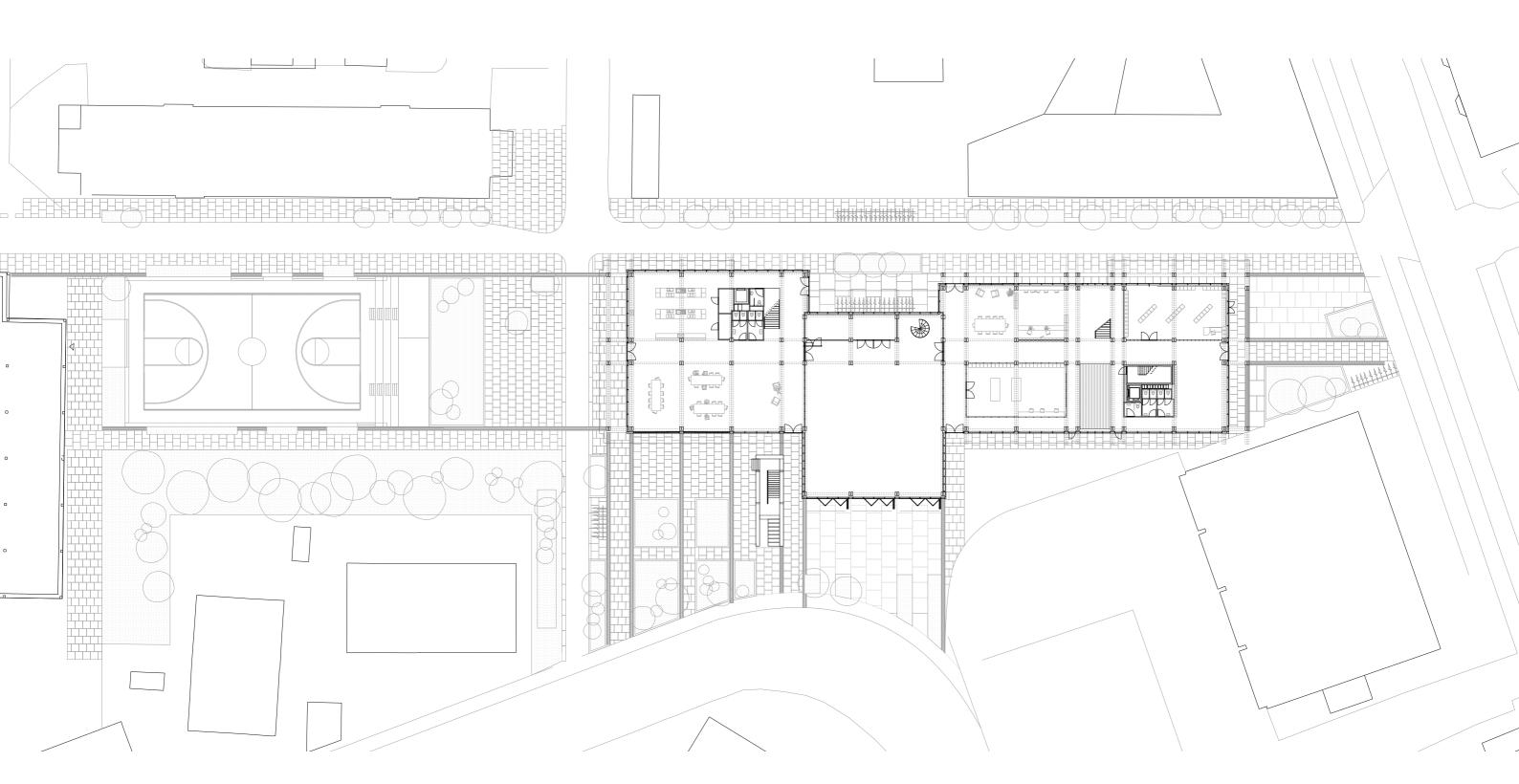
**Urban masterplan** 









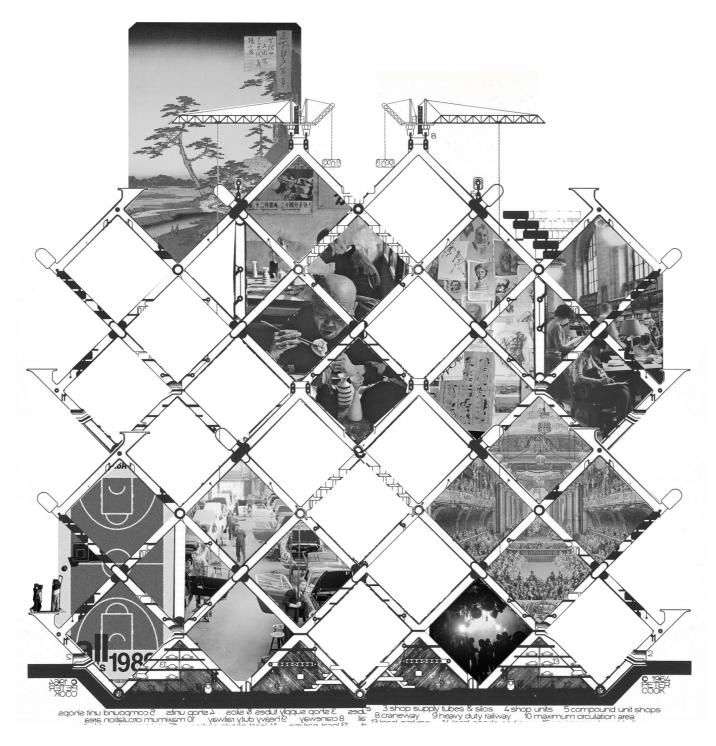




Impression of large open space inbetween fabrikken and condenser!

**Developing the building** 

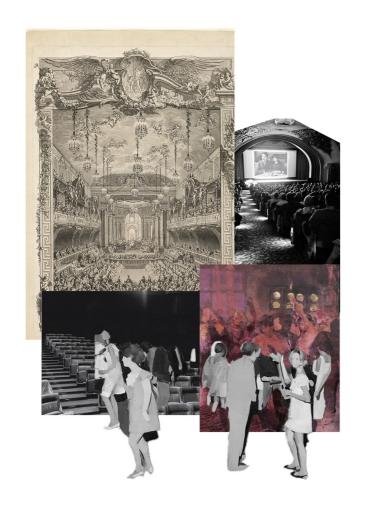
The building elements





A hybrid program

Free space's & defined functions to maximize possibility and deal with the exhausted







#### **The Eventful**

Performing
Watching
Expressing
Organizing
Meeting
Exhibiting

The Spectacular

Small to largescale

The whole of Copenhagen

**The Foodcorner** 

Meeting Teaching Cooking Eating Learning

Everyday

Small to medium scale

The Local

**The Library 2.0** 

Working

Learning Studying

Reading

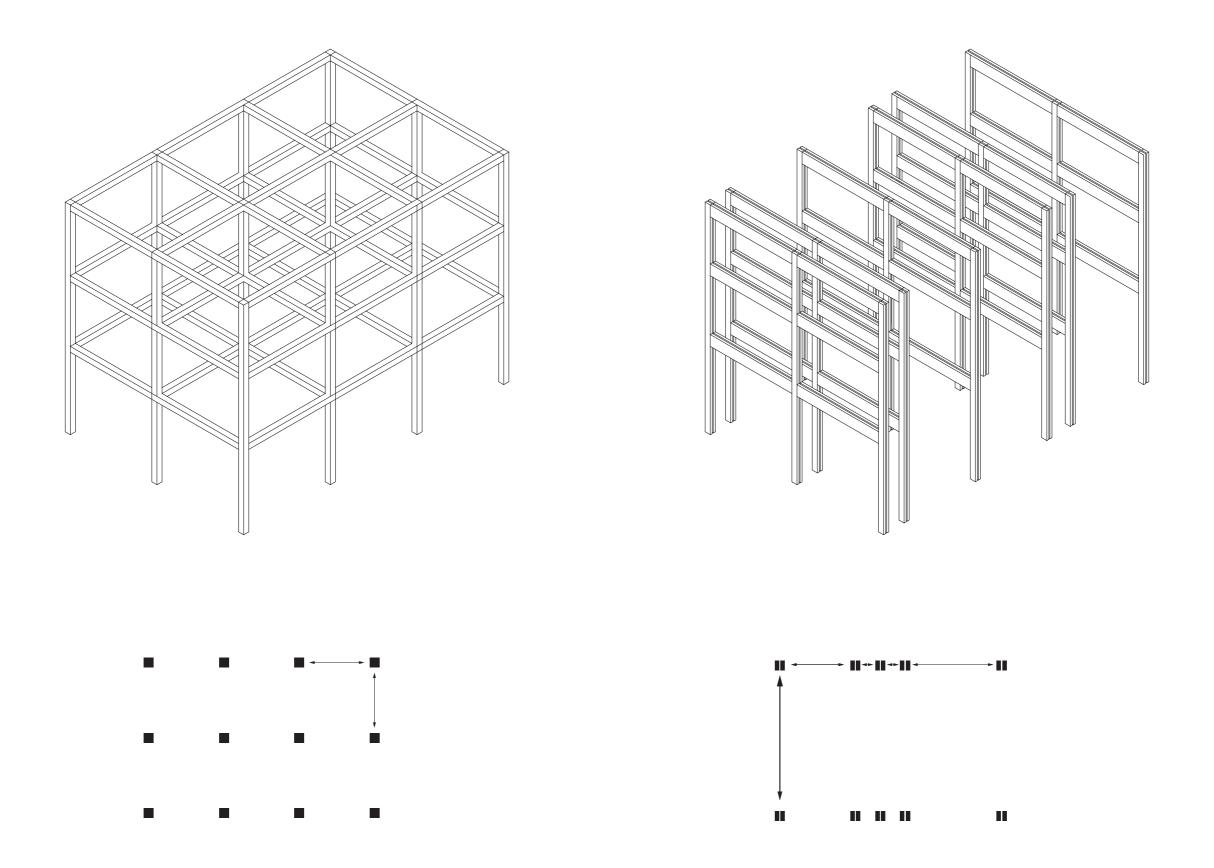
Meeting

Creating

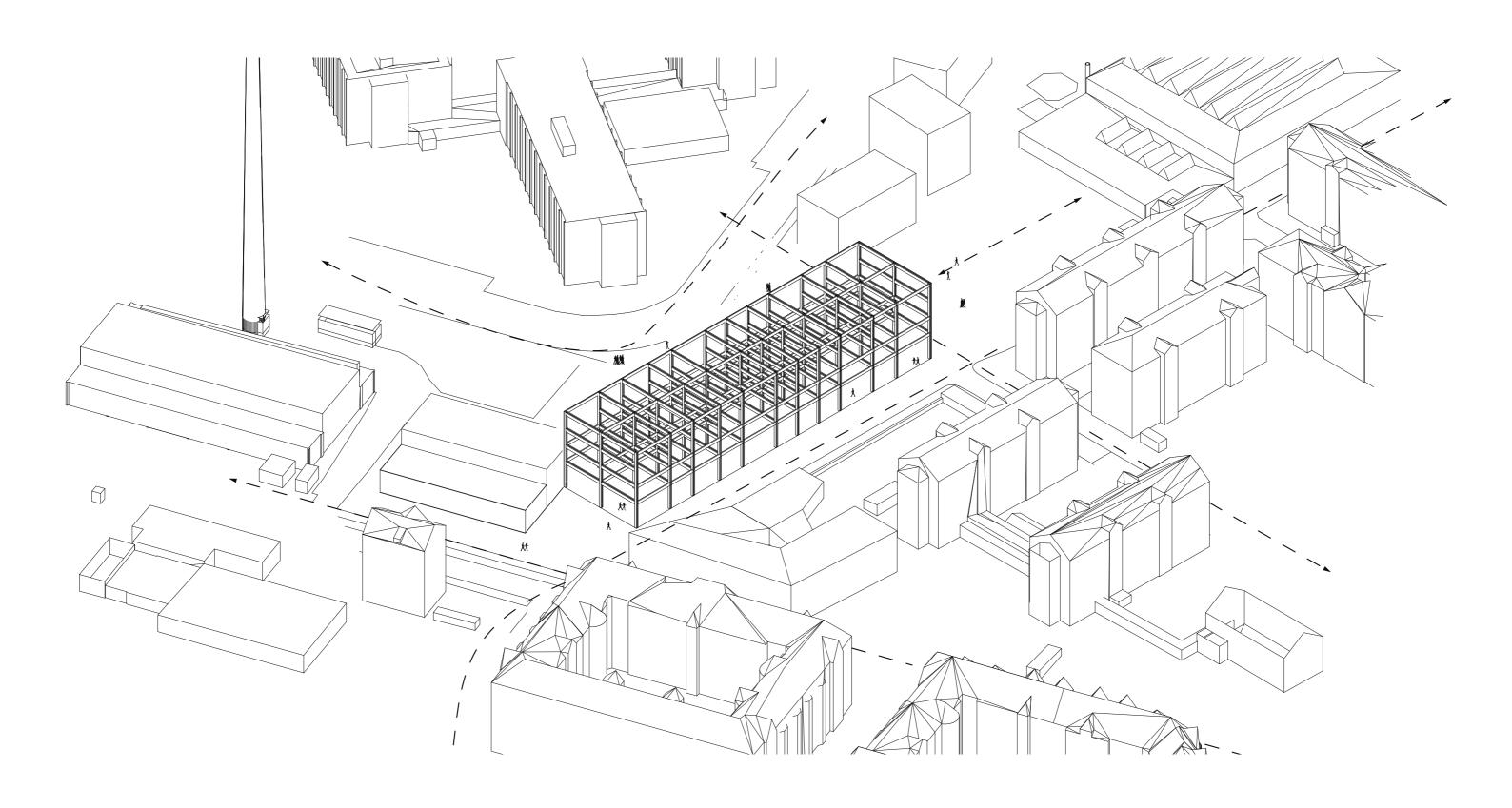
Everyday

small to large scale

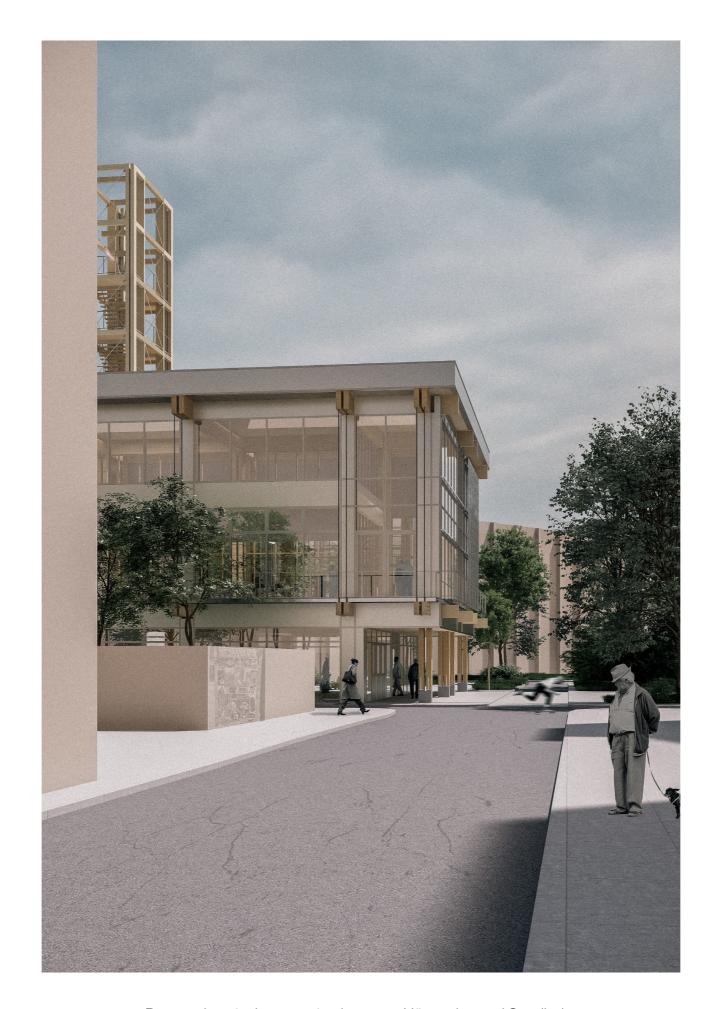
The Local and beyond



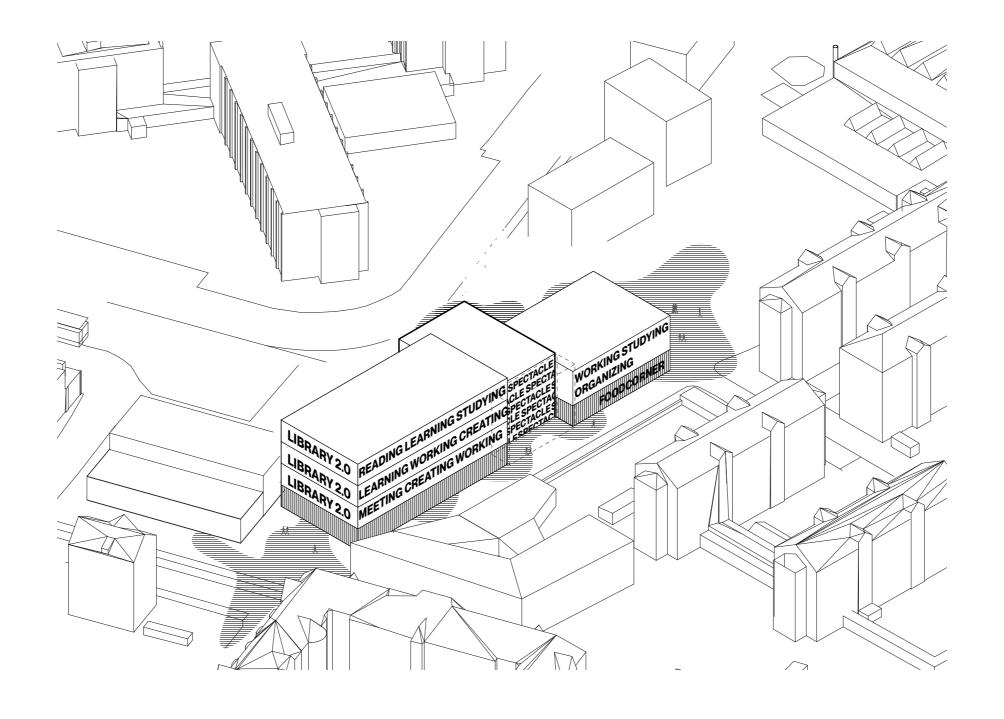
A new framework for the everyday



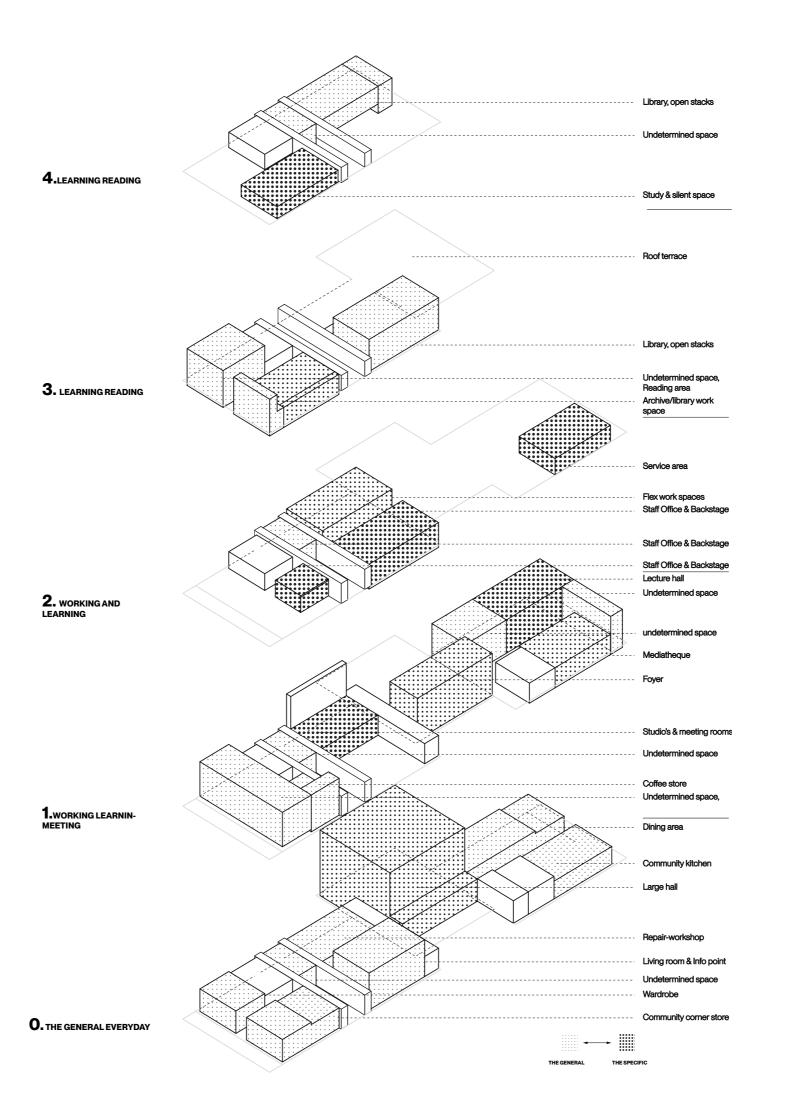
**Step 1. Positioning the framework within the neighborhood** 

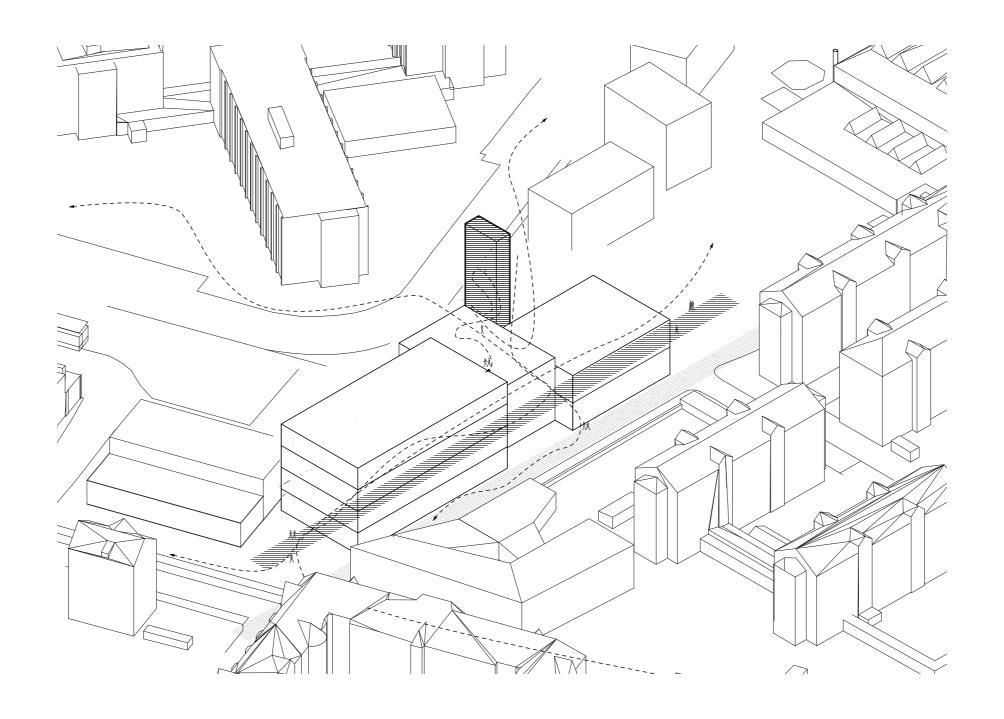


Restored vertical connection between Hörgarden and Sundholm

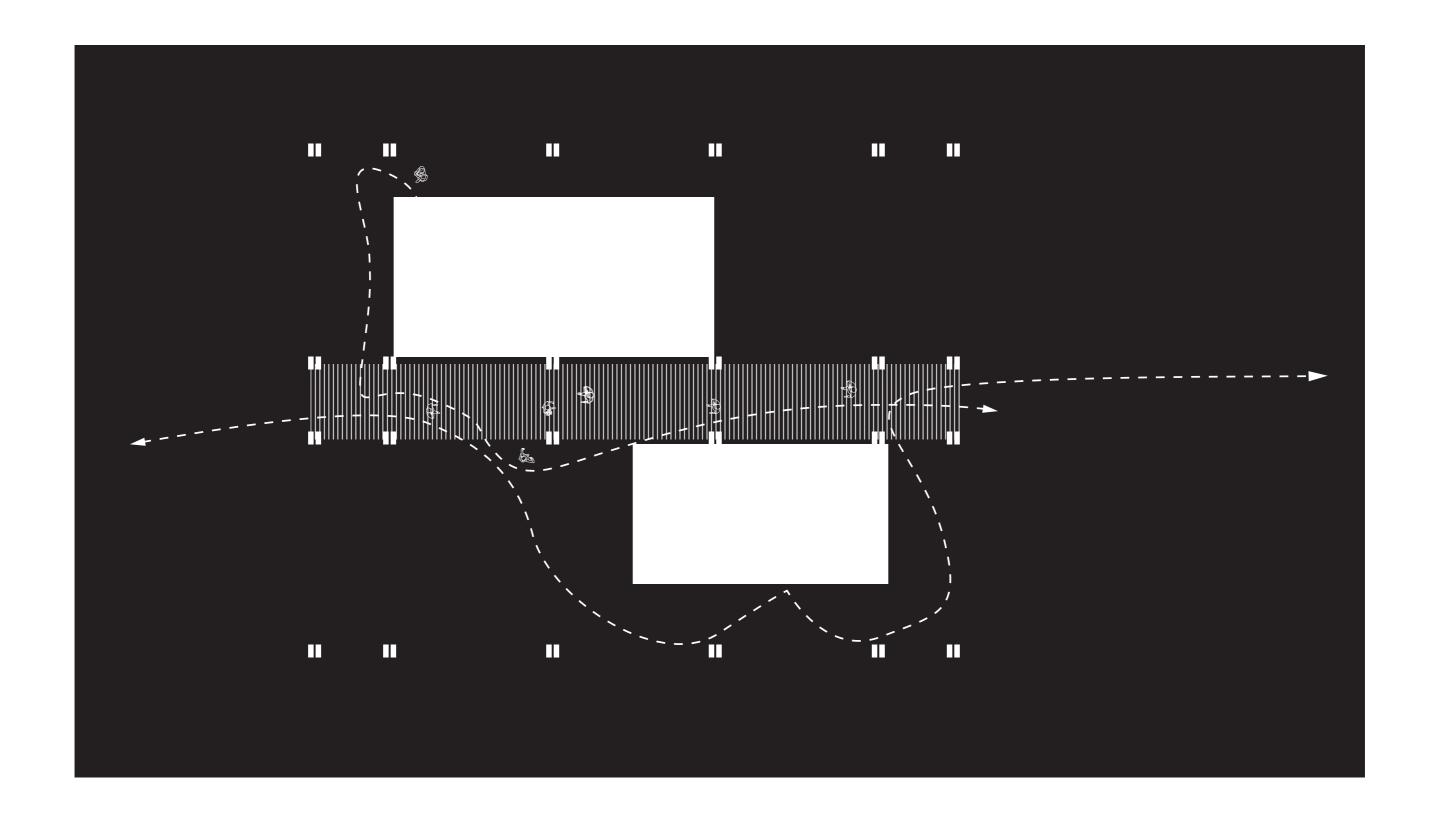


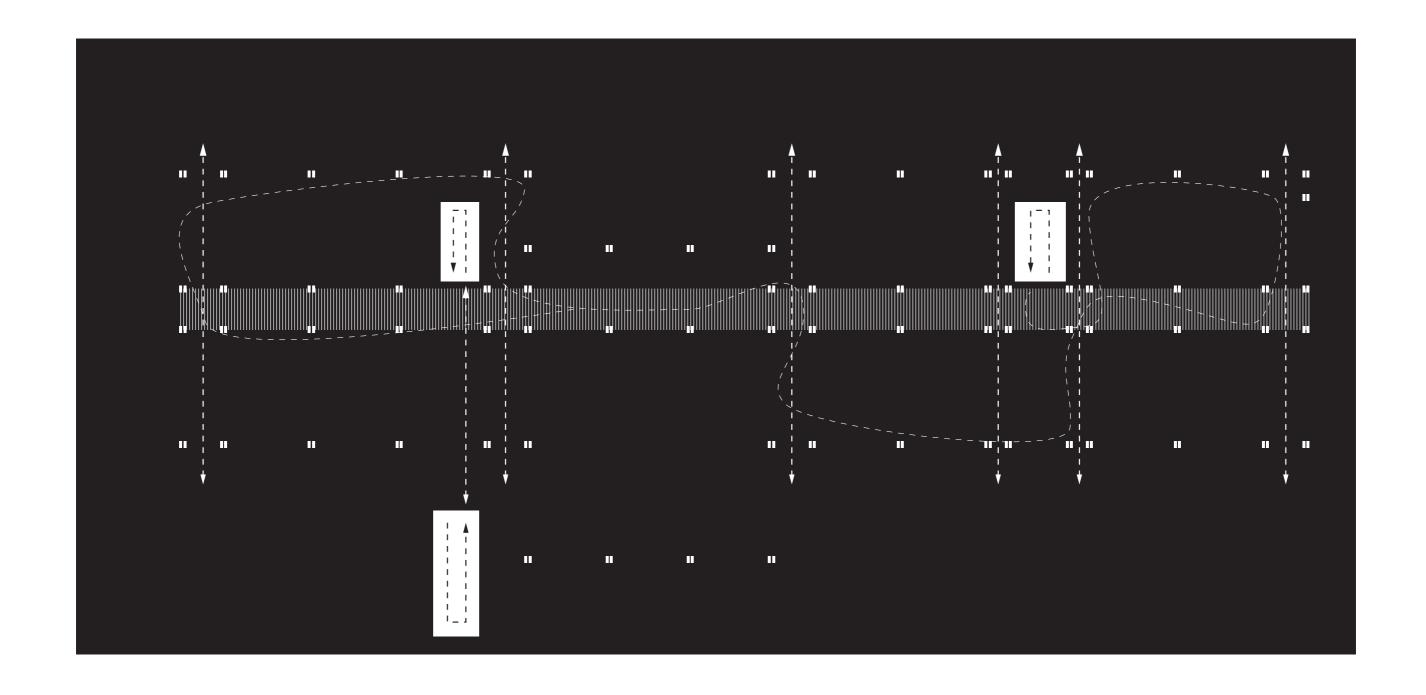
Step 2. Integrating the programm & highlighting the spectacle

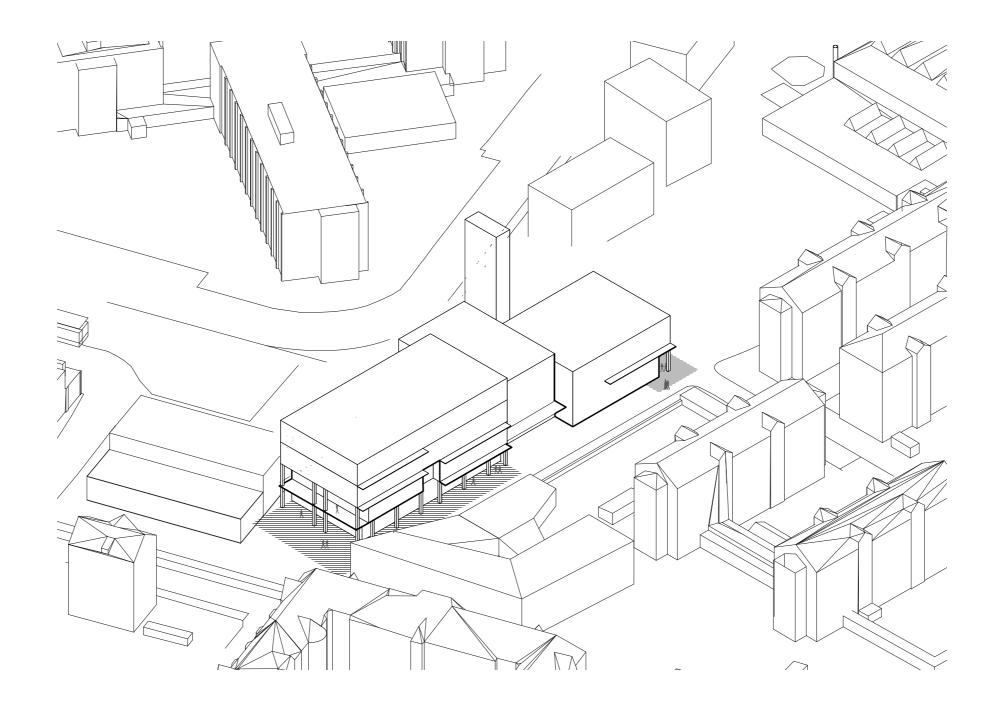




**Step 3. Adding Internal and external infrastructure to the framework** 



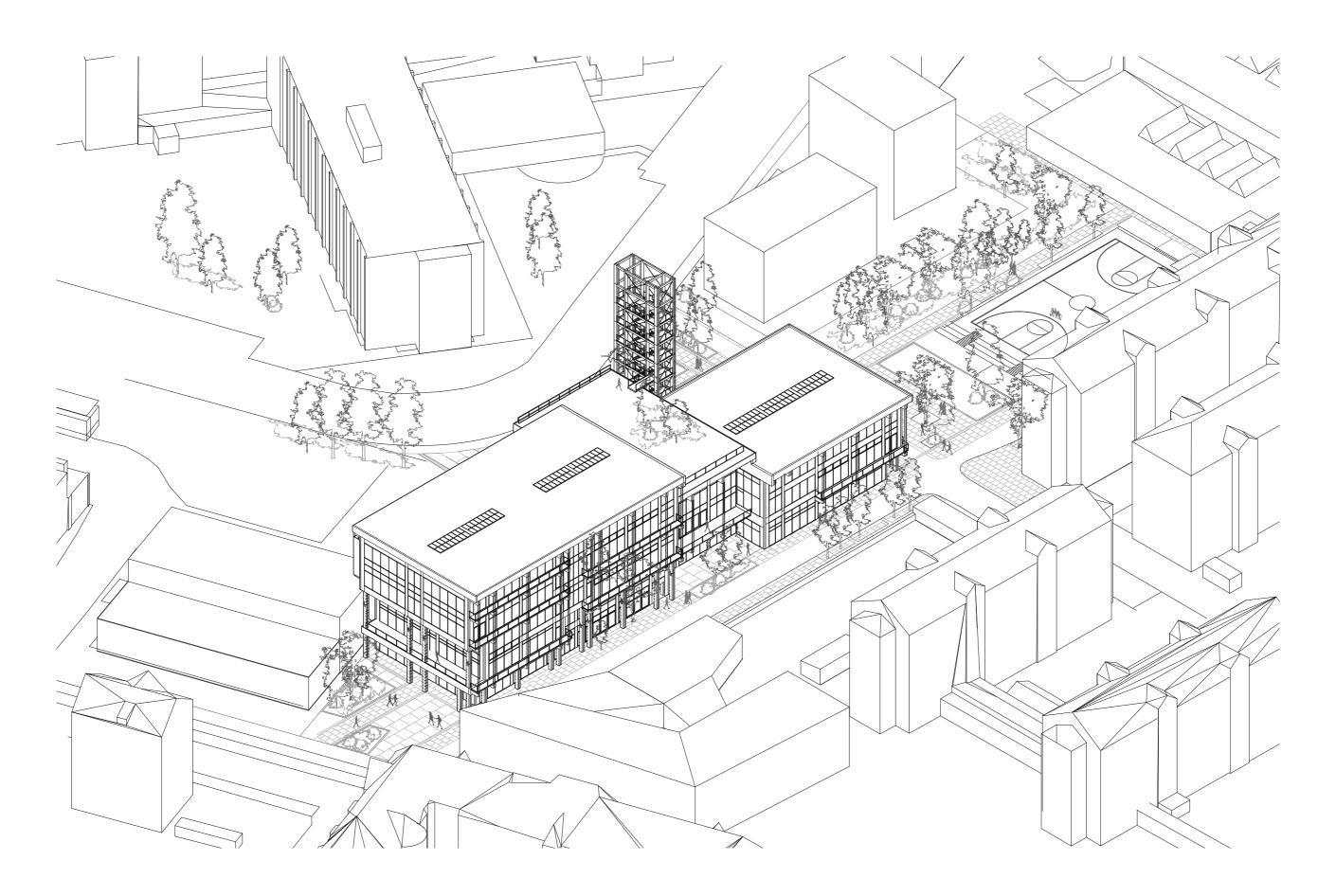




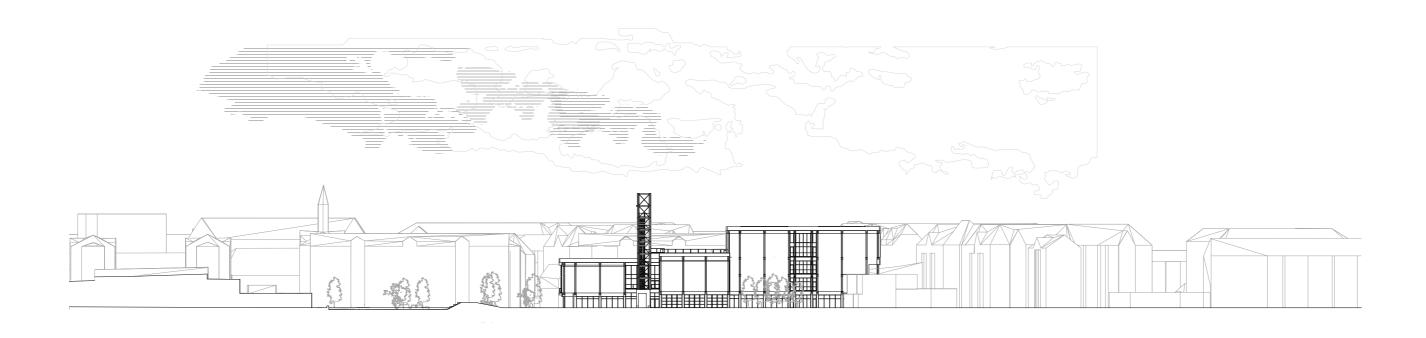
**Step 4. Blurring the boundaries** 



Approach from Sundholmsvej



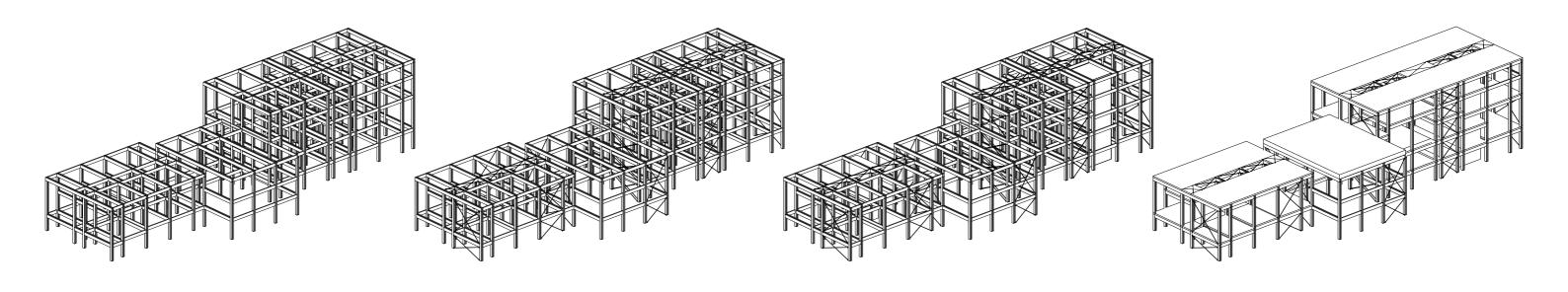
The final design



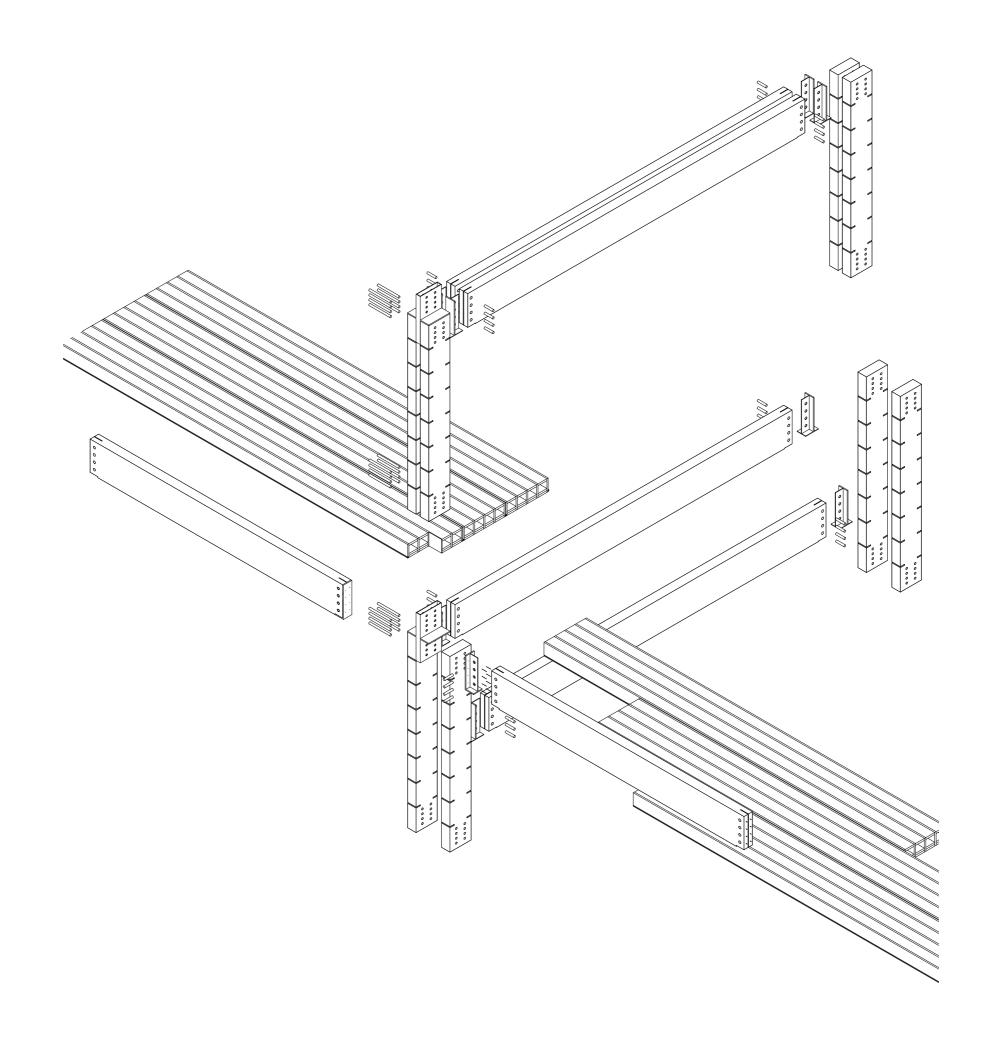


**Developing the building** 

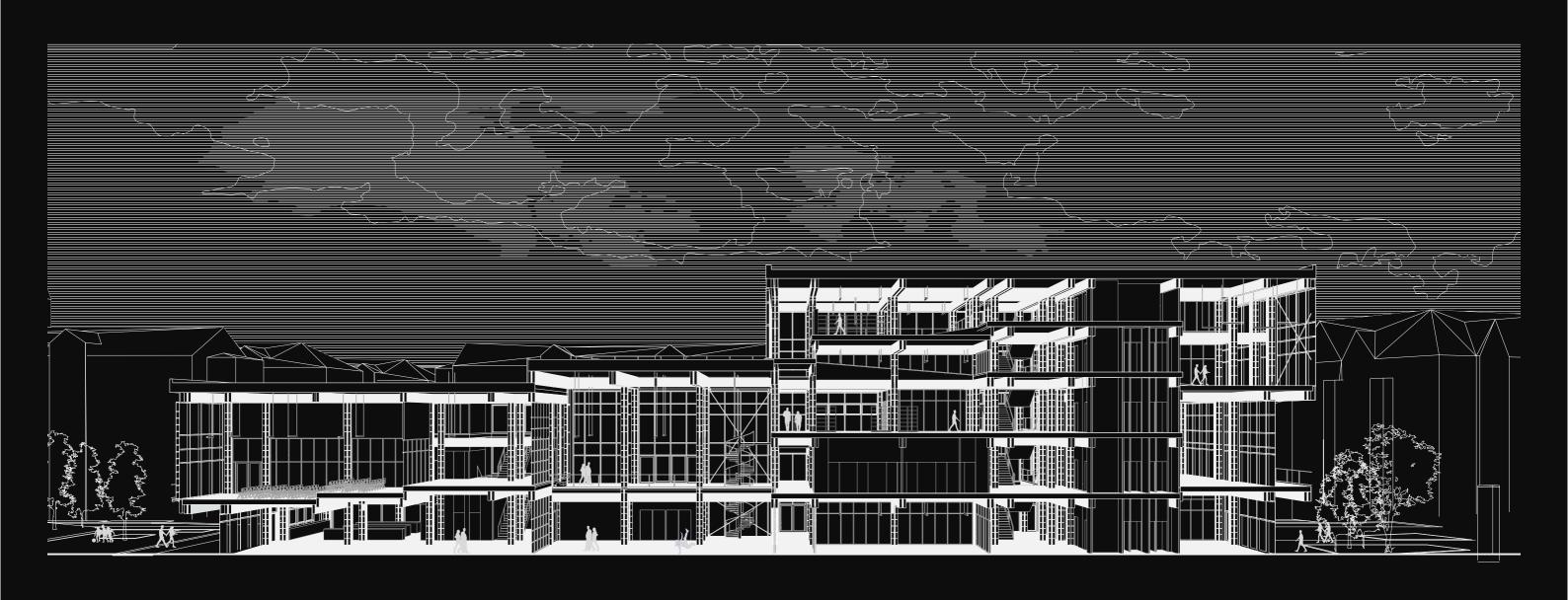
The building parts



1. Wooden glulamn framework 2. Tension cables 3. Stable cores 4 Dimensionally stable lignatur floors



From everyday to spectacular modes of adaptability



4th Library

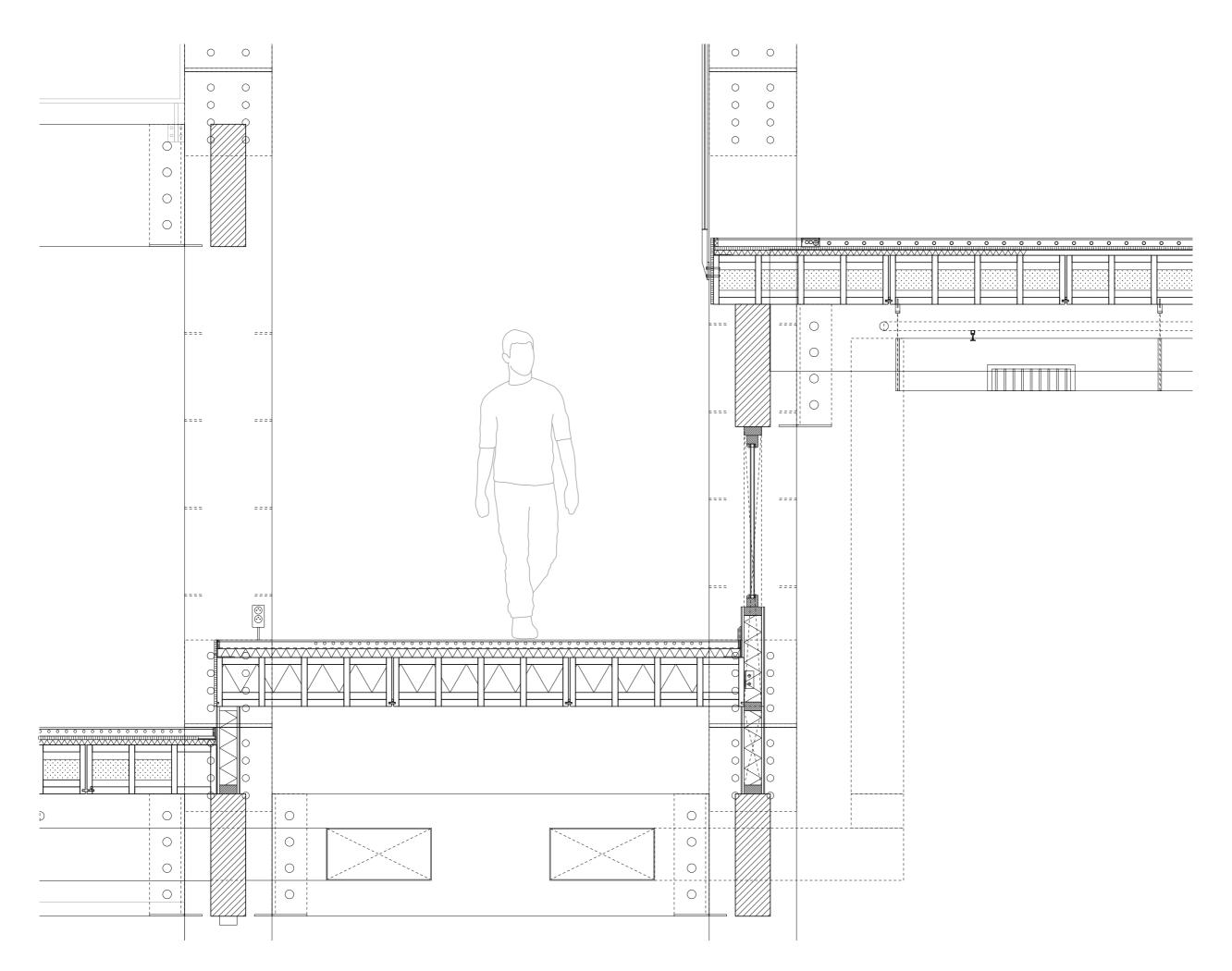
3rd reading area, undetermined 2nd undetermined, Flex workspaces

1st balcony, Meeting rooms & work booth's, lecture hall

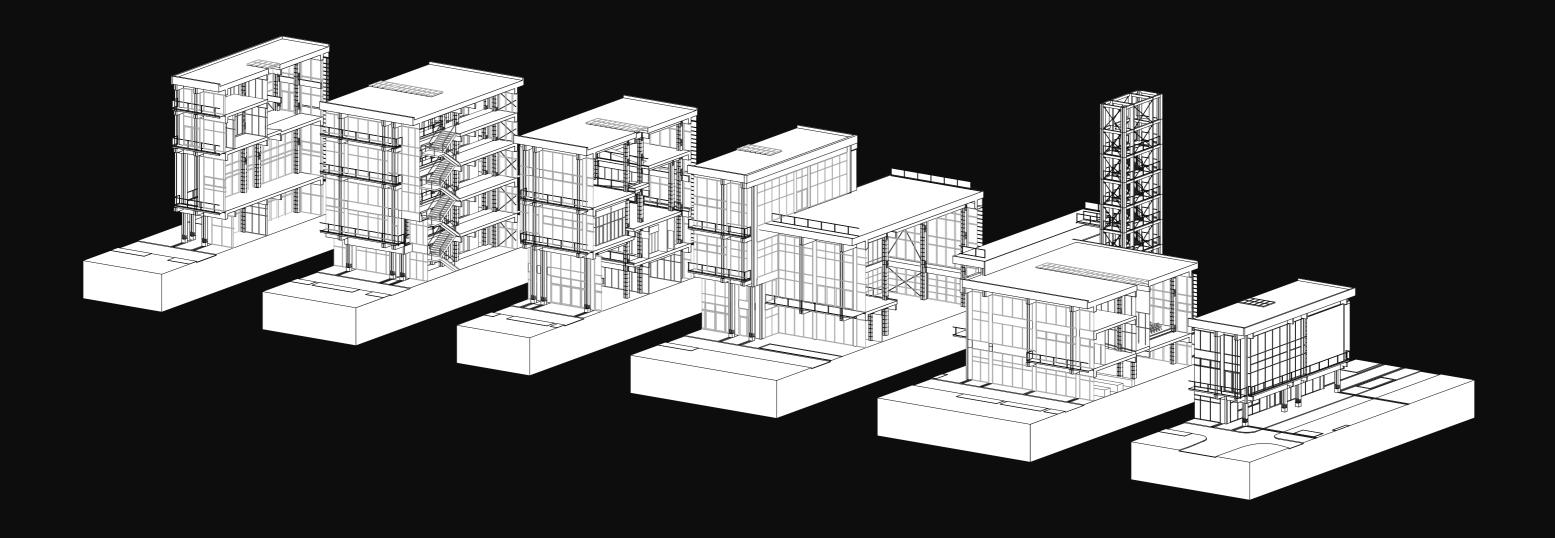
0 wardrobe,, undetermined & workshop, large hall, dining & cooking area



<sup>4</sup> Library
3 Library
2 Staff work space, Flex workspaces
1 Meeting rooms & work booth's
0 living room & workshop



**Section main infrastructure library** 



## **Material pallet**

## Internal

Wooden window frames Glass Poured concrete floor

50x100



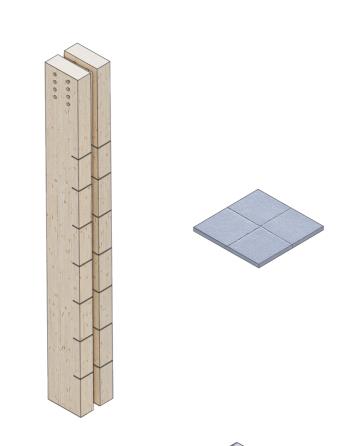
Steel construction elements Untreated Glulam construction Concrete tiles

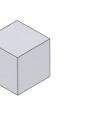
200x500x2 500x500

## **External**

Concrete Metal Panels cladding Alluminium window frame 70 Thermur insulation glas ug 0,3







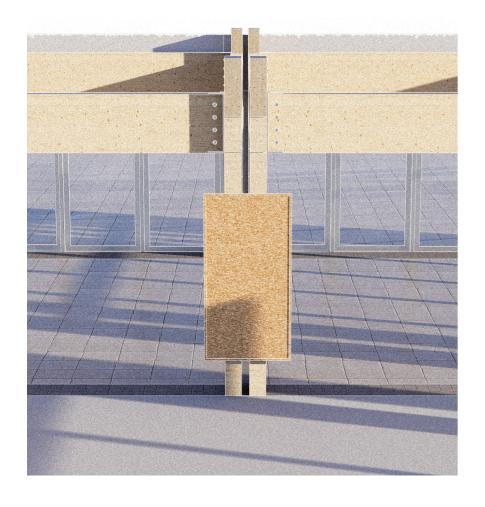




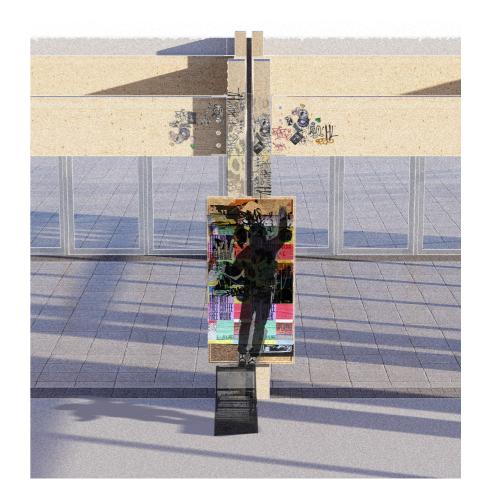












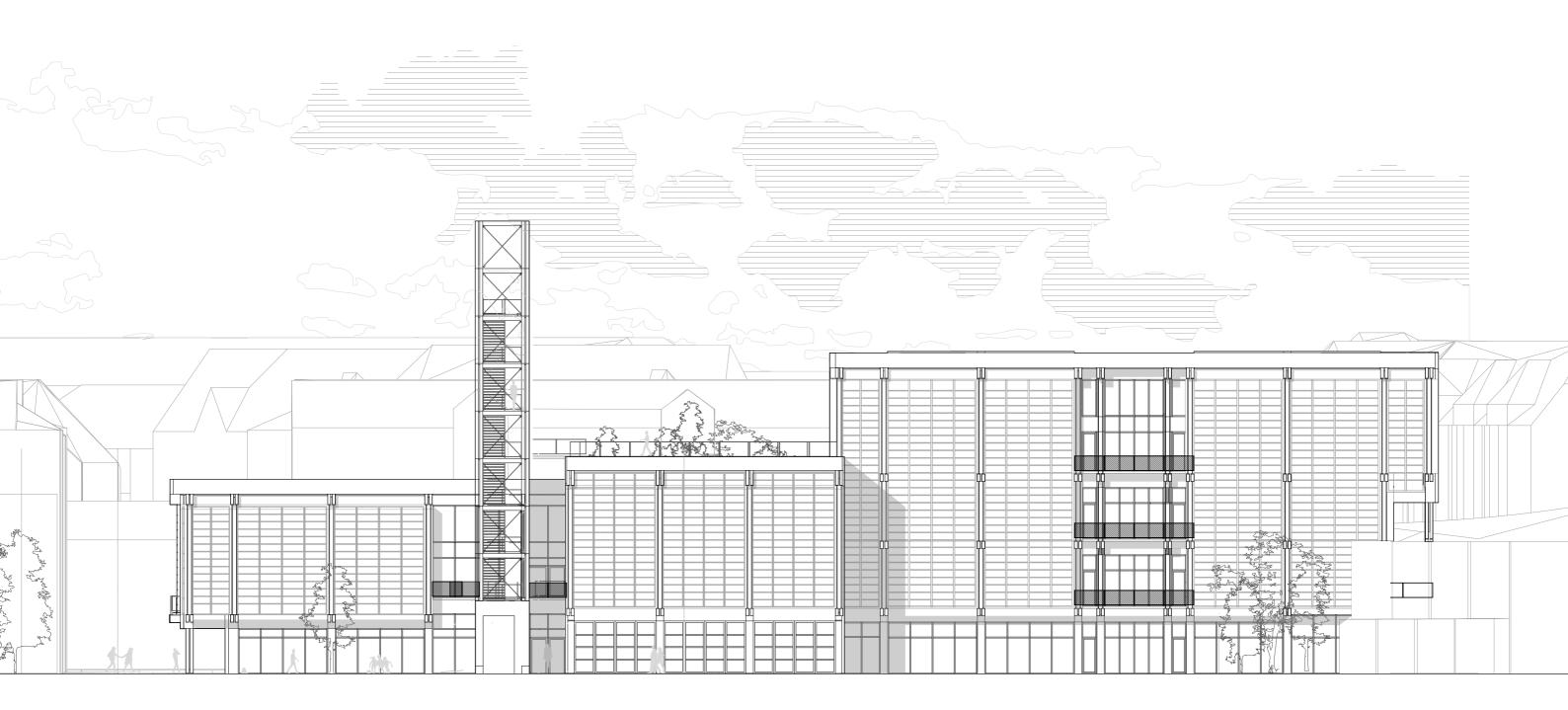
Delivery

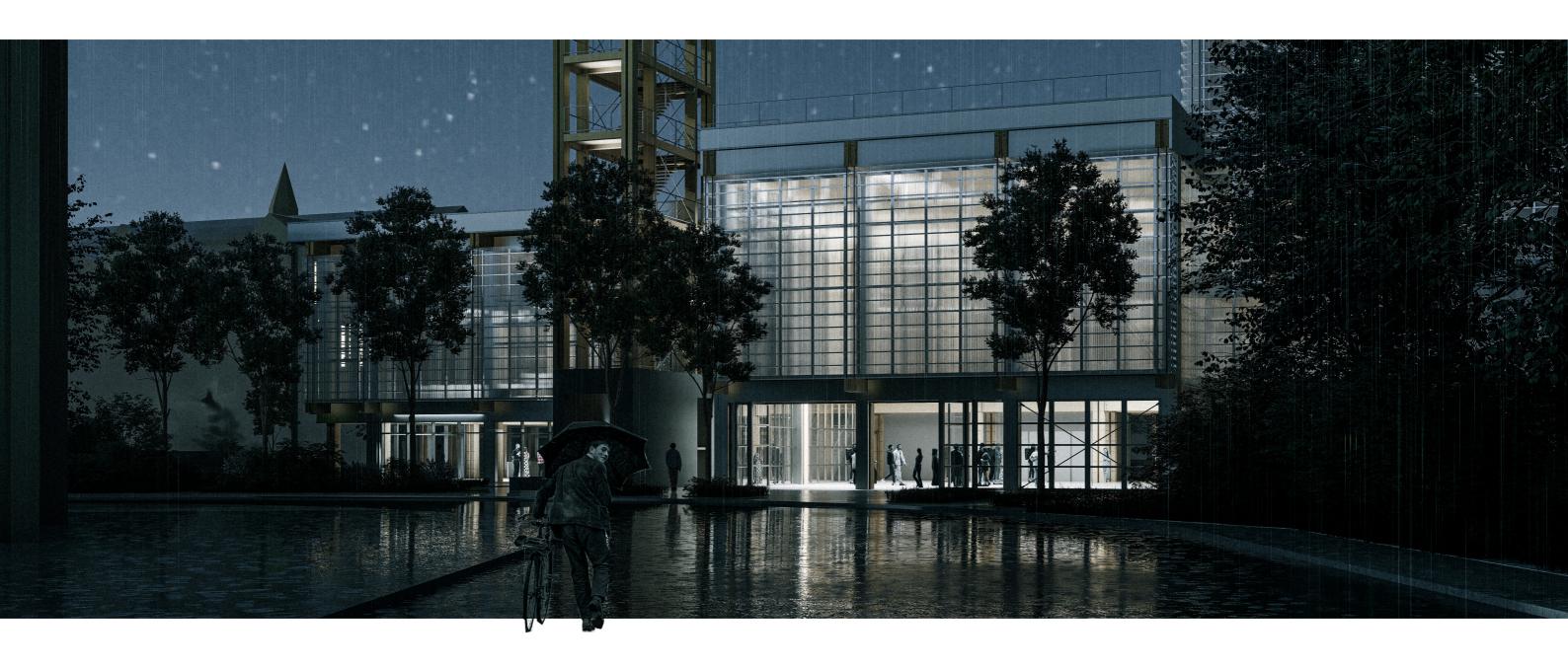
1 year

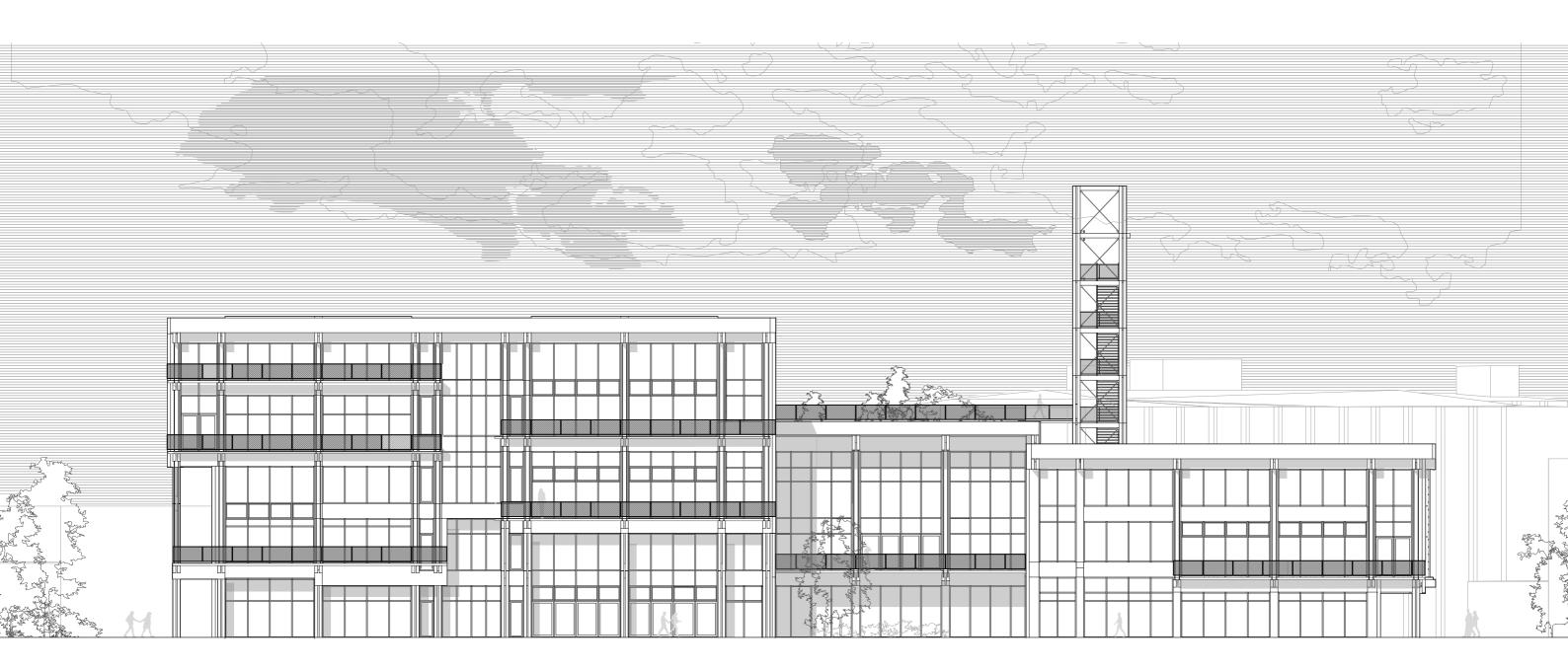


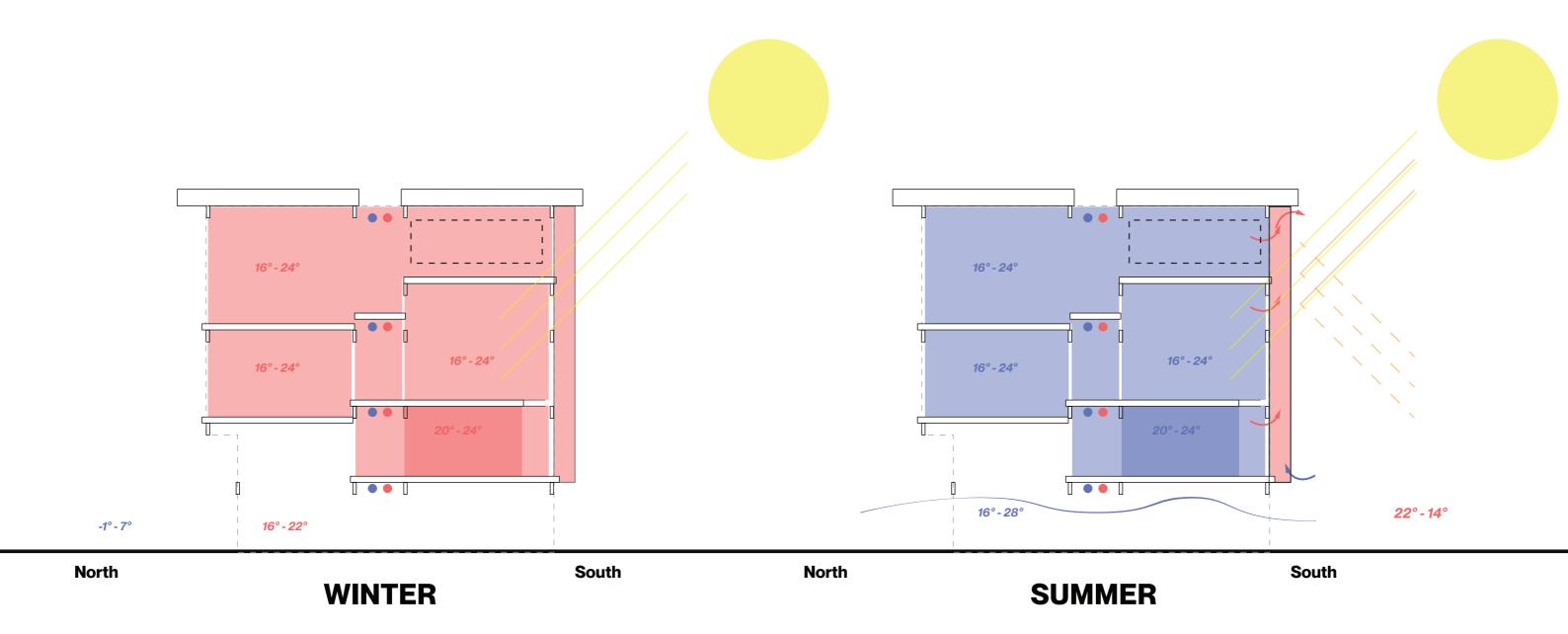


North facade South facade









Double skin facade for ventilation

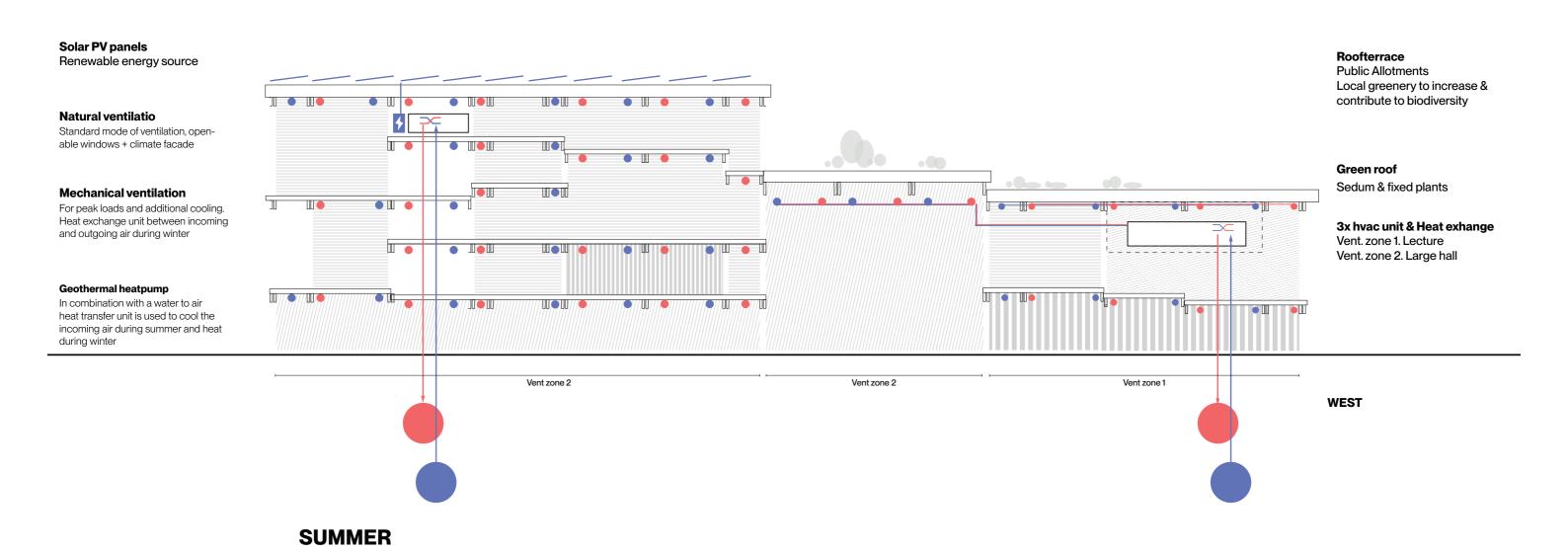
Aditional heating through floor heating

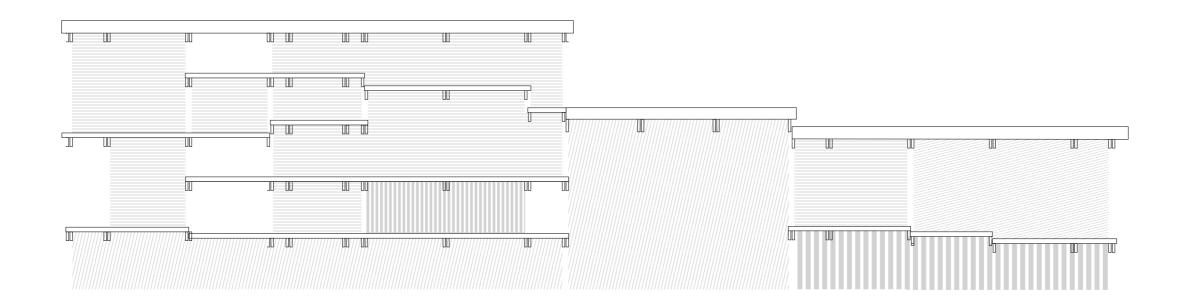
Heat exchange unit in

Double skin facade for ventilation

Openable windows for natural ventilation

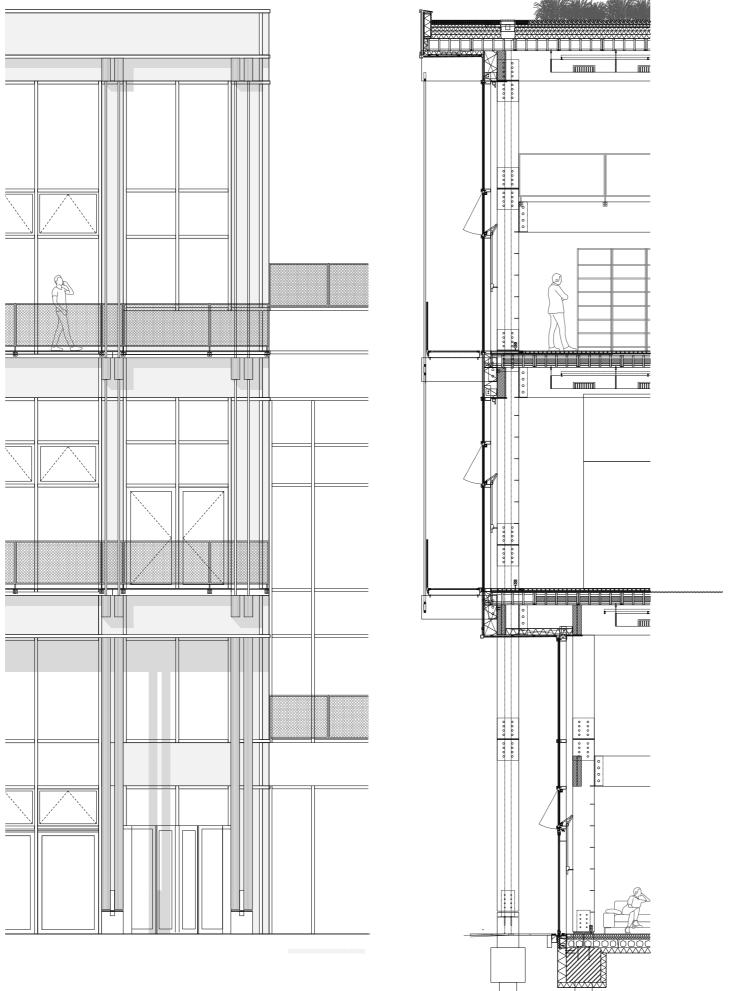
Aditional cooling through ventilation

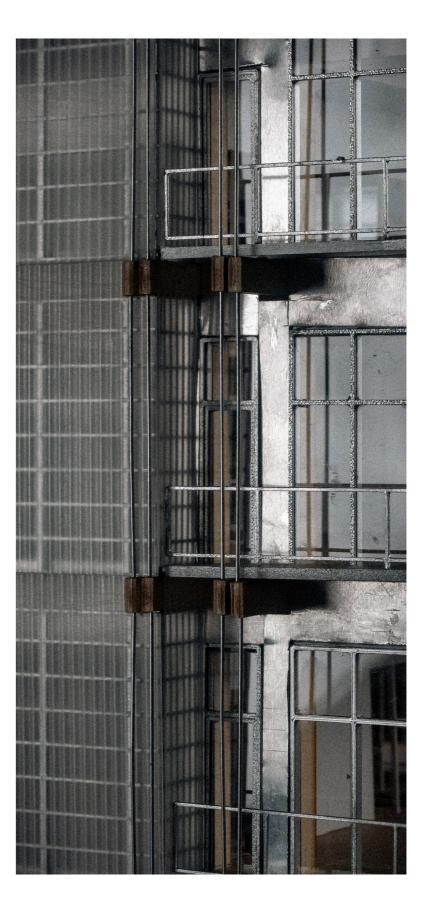




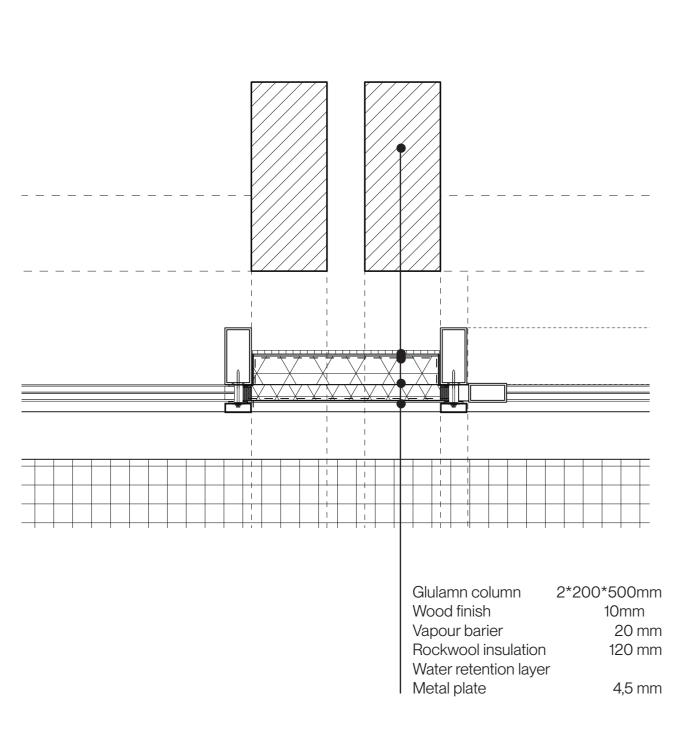
Community Kitchen & Dining area Lecture Hall Mediatheque, studyspaces, meeting rooms Large Hall & the ground floor

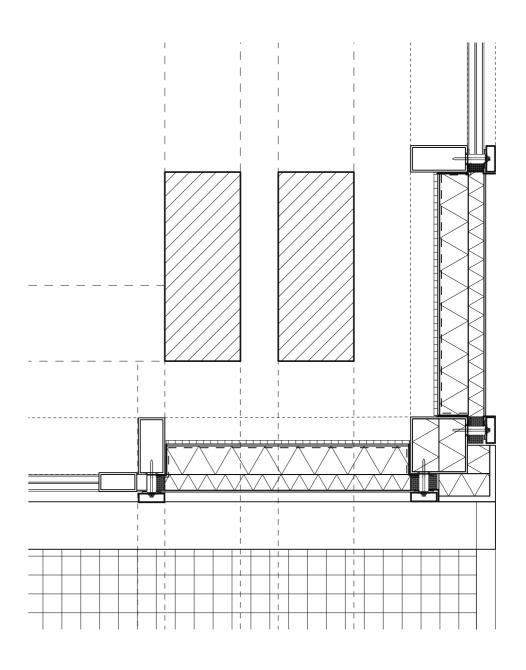
zone 1, mechanical ventilation + natural ventilation Temp 19°/24°, heated in winter zone 2, mechanical ventilation + natural ventilation Temp 18°/24°, heated in winter when in use zone 3, mechanical ventilation + natural ventilation Temp 20°/24° - mechanical + natural, heated, fully climatizable zone 4, mechanical ventilation + natural ventilation Temp 16°/28°, unheated & uncooled, local place heated Flex workplaces, cafe & library, undetermined spaces zone 5, mechanical ventilation + natural ventilation Temp 19°/26°, minimally heated and cooled

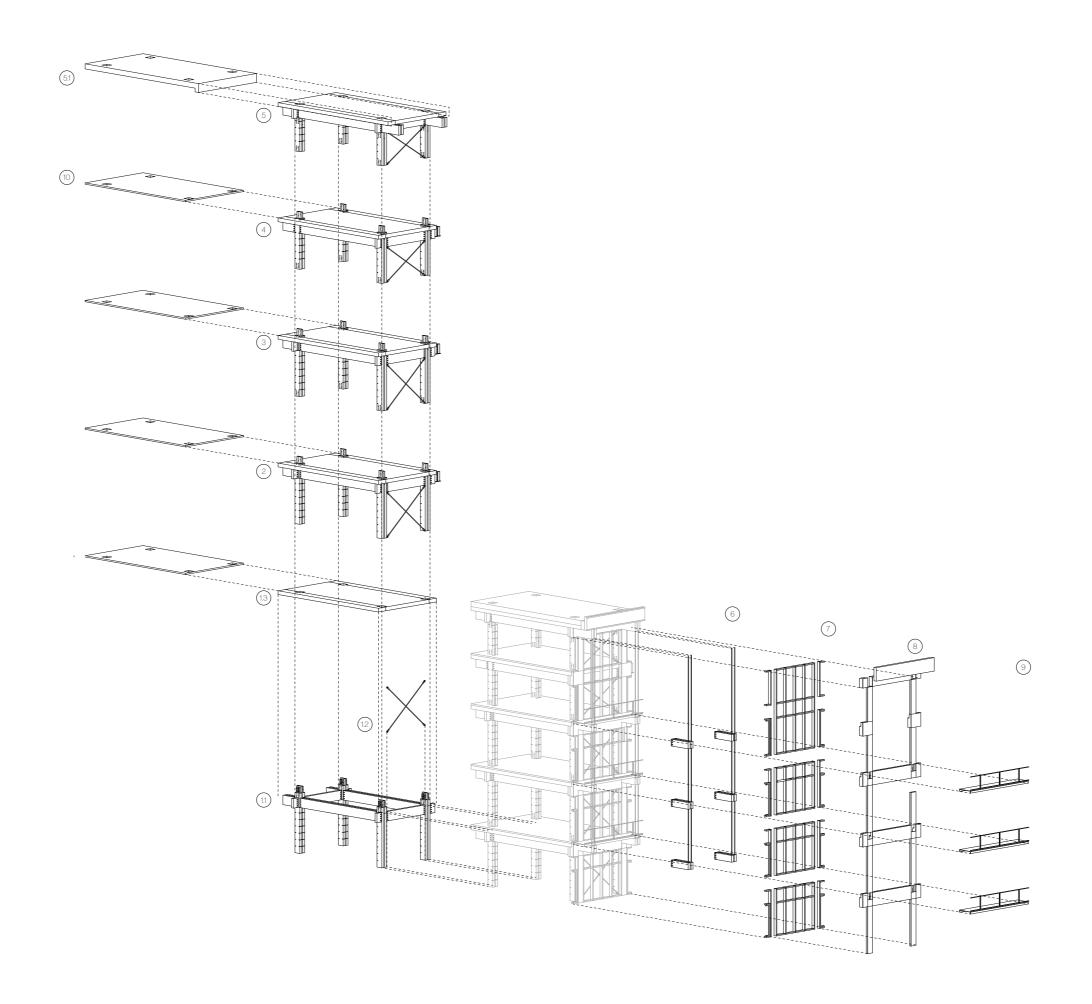




Facade fragment & sections und holm/north side







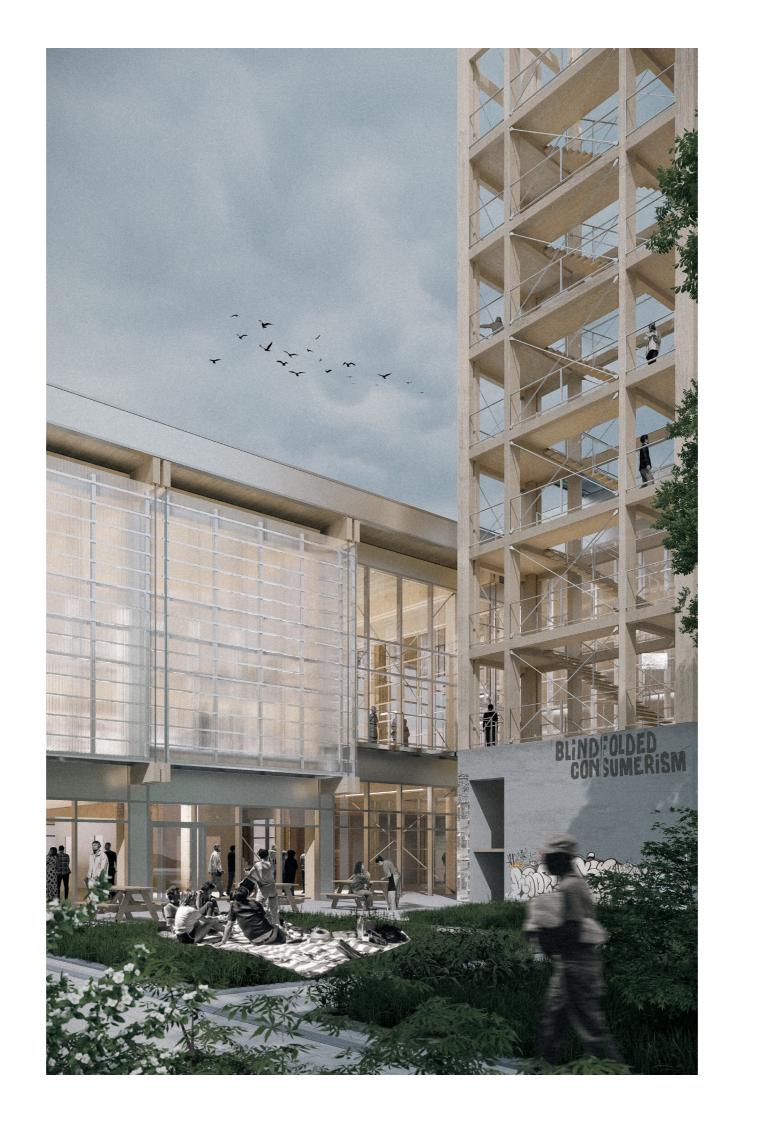
Assembling the framework and facade

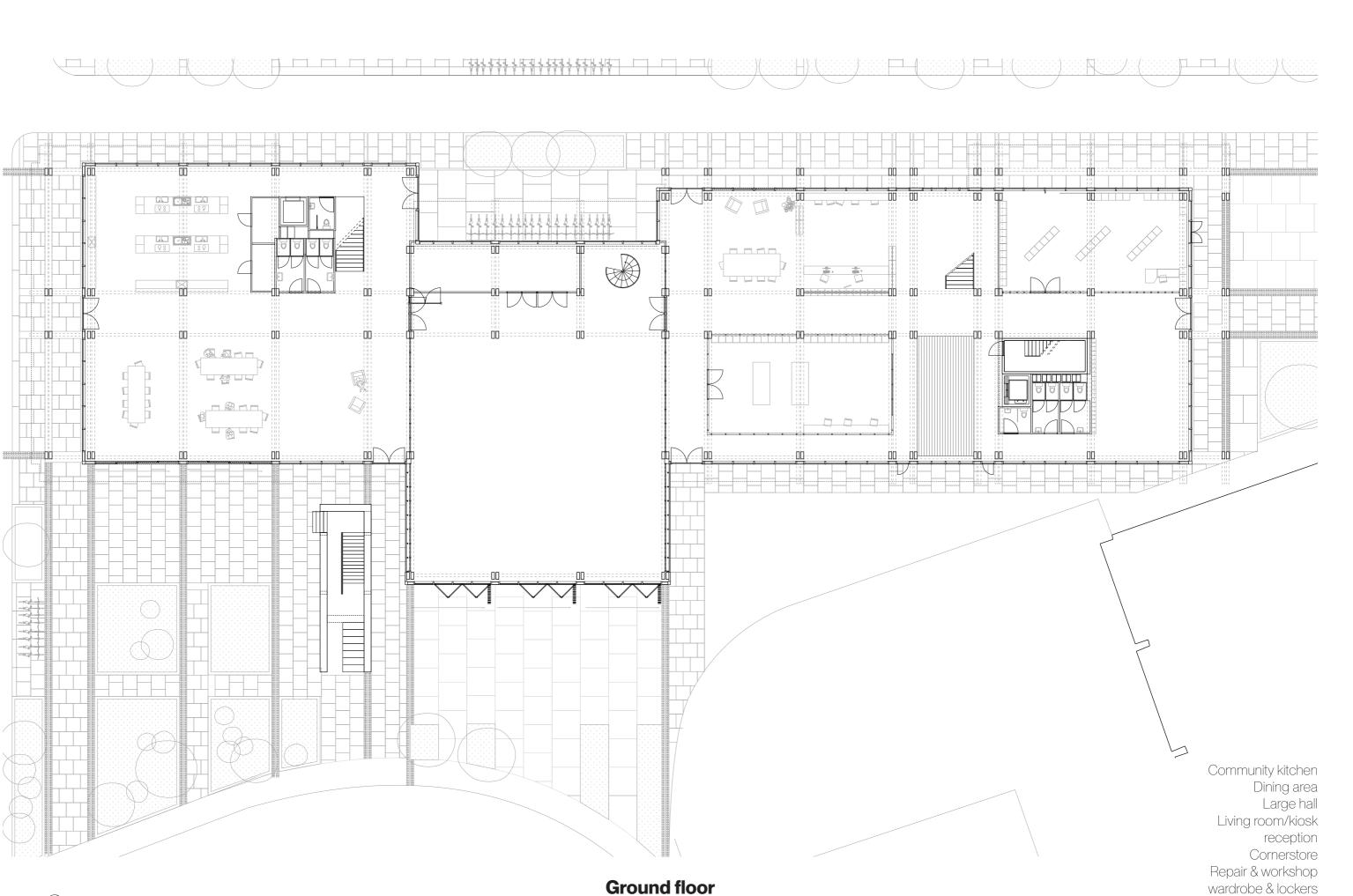
The urban scale

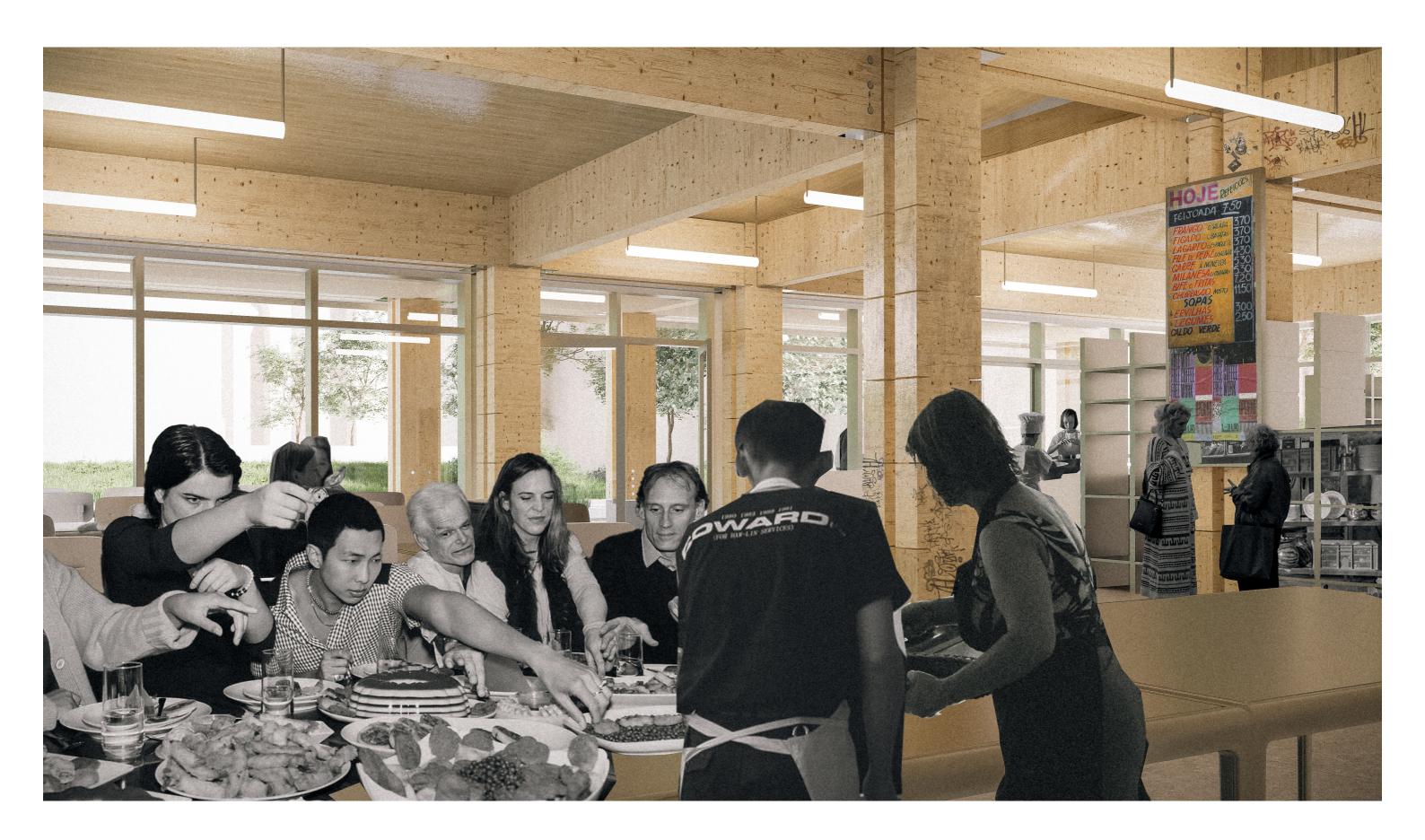
**Developing the building** 

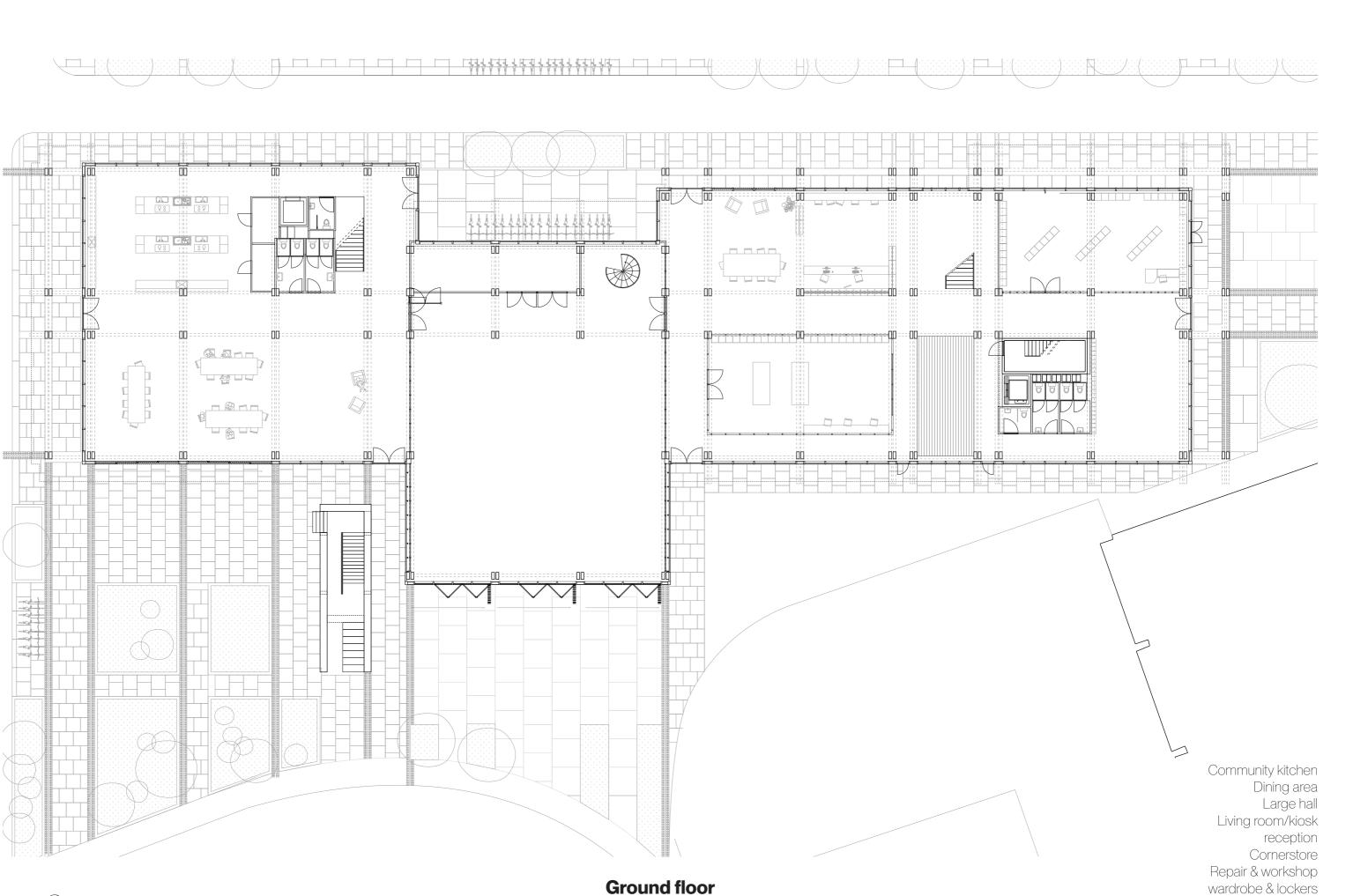
The building elements

A walk through the building

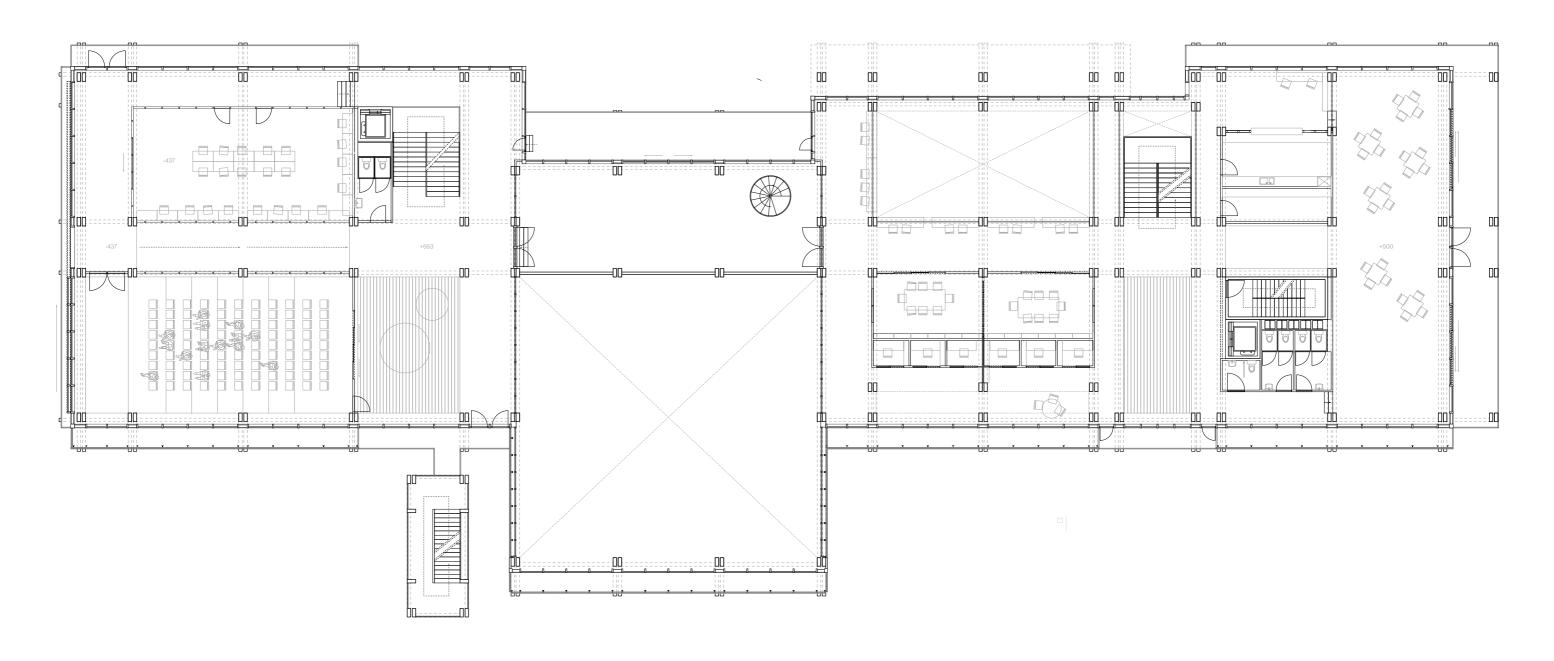








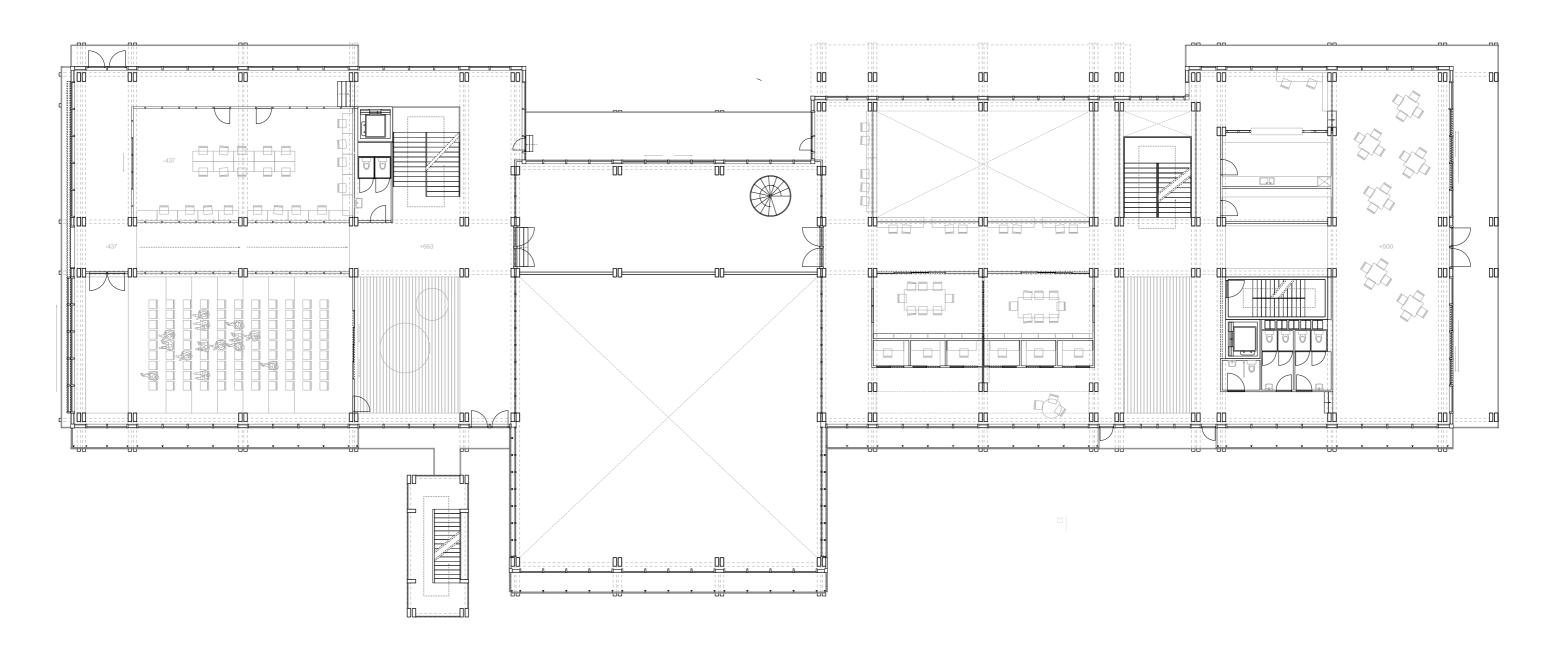




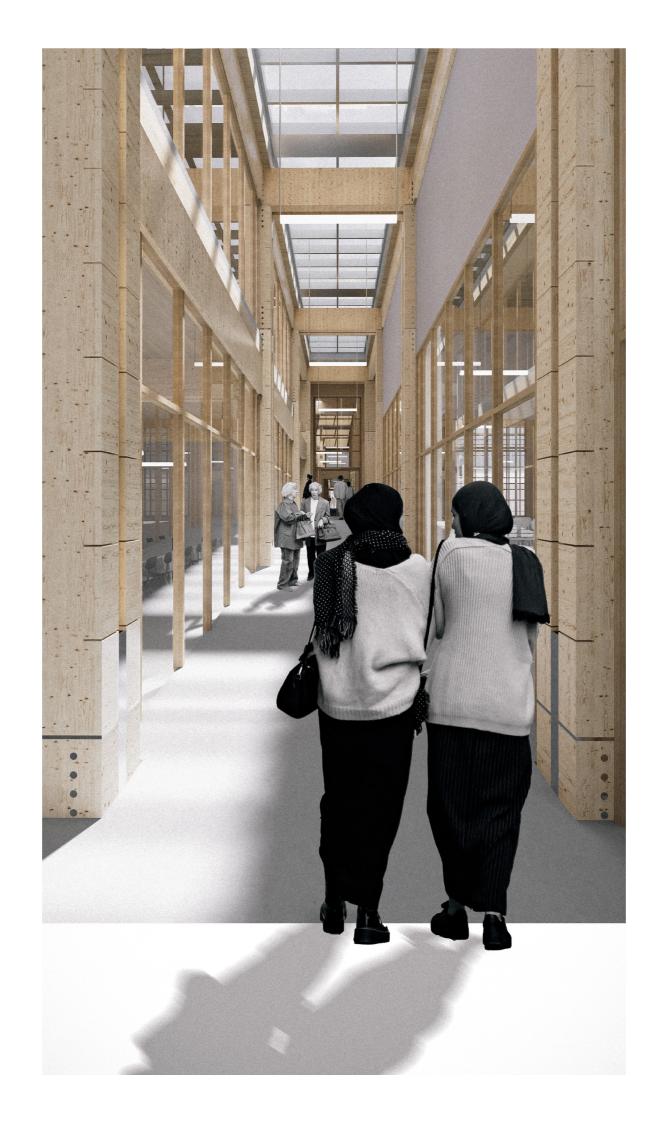
Lecture hall
Mediatheque
Foyer
Coffee area
Cafe
Undetermined space
Storage
meeting room
Workbooth



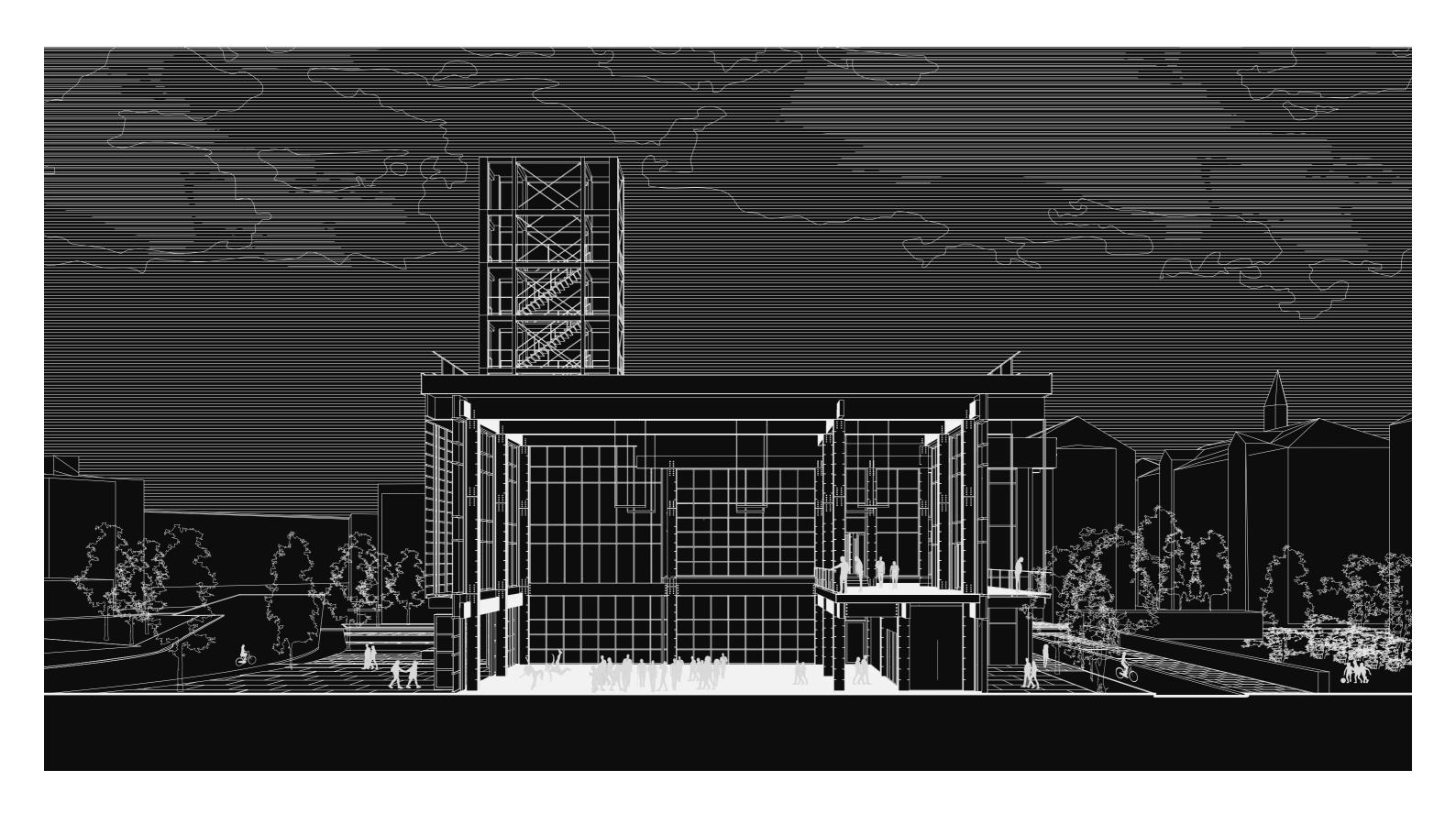
A place for lecture's or your children's theatre performance?

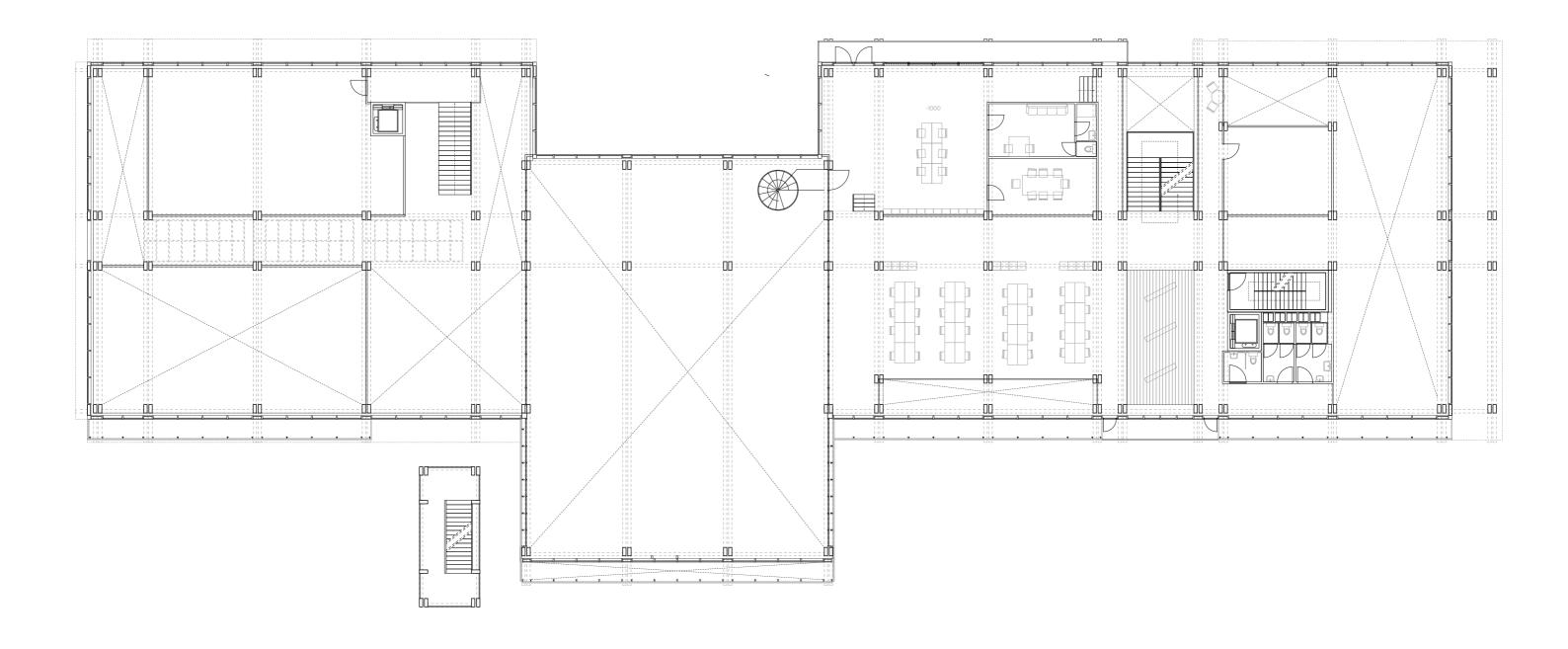


Lecture hall
Mediatheque
Foyer
Coffee area
Cafe
Undetermined space
Storage
meeting room
Workbooth

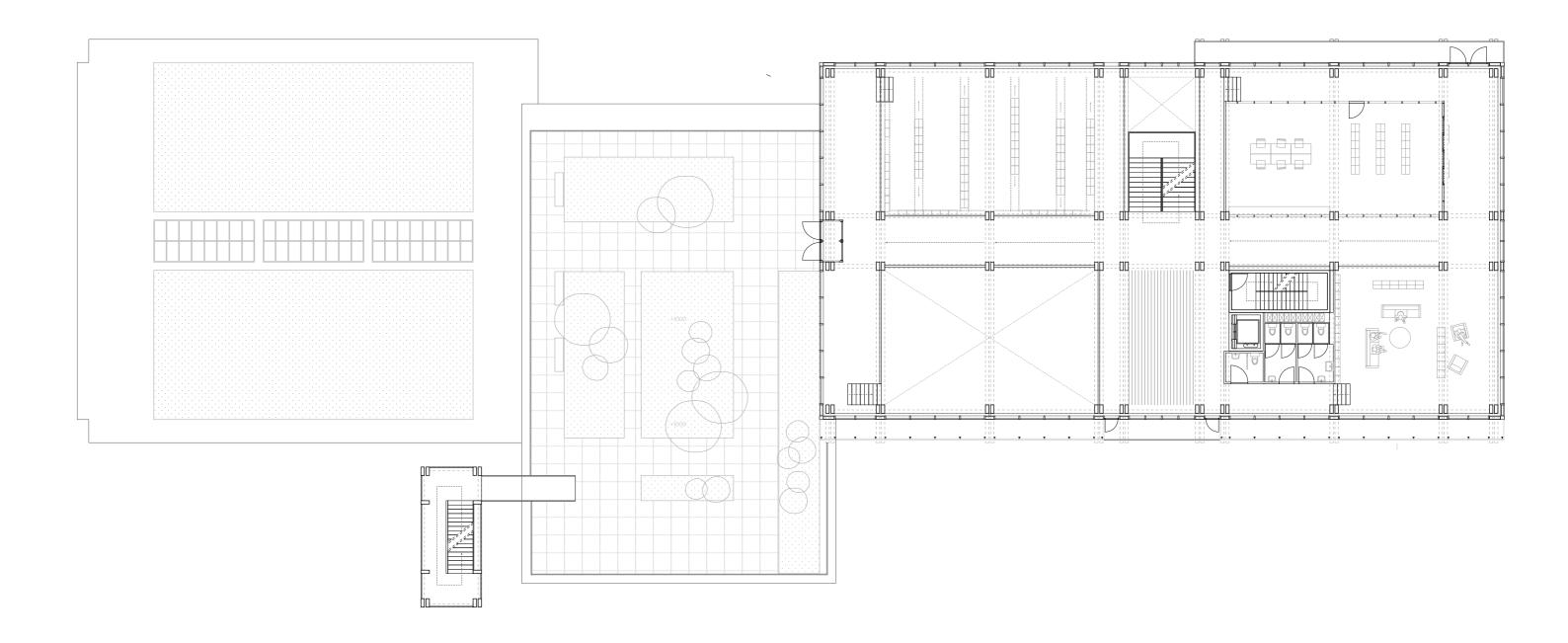


The main street connecting the different parts

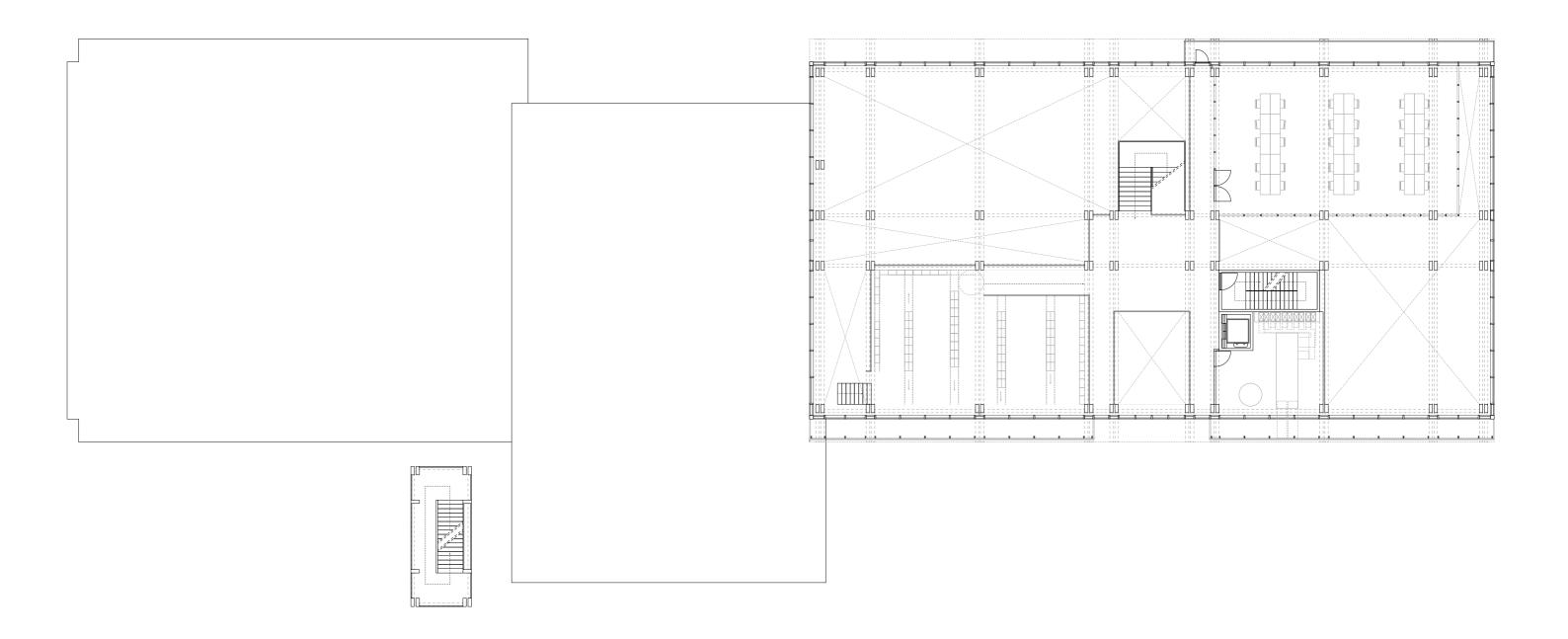














## "How can a public condenser disrupt an exhausted urban and social context?"

To generate and re-imagine the possible



A framework



A framework

Infrastructure







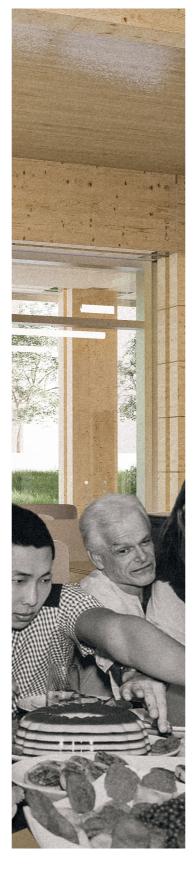
A framework

Infrastructure

The everyday









A framework Infrastructure

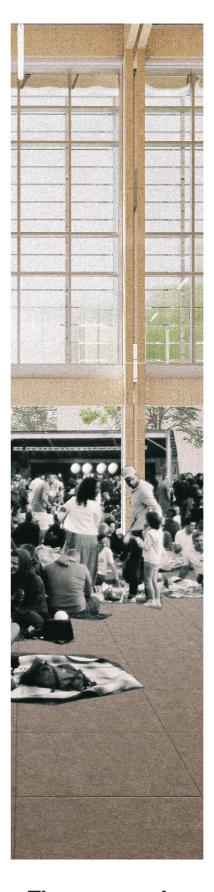
The spectacular

The everyday











A framework

Infrastructure

The everyday

The spectacular

**Borders** 



## Thank you for listening!

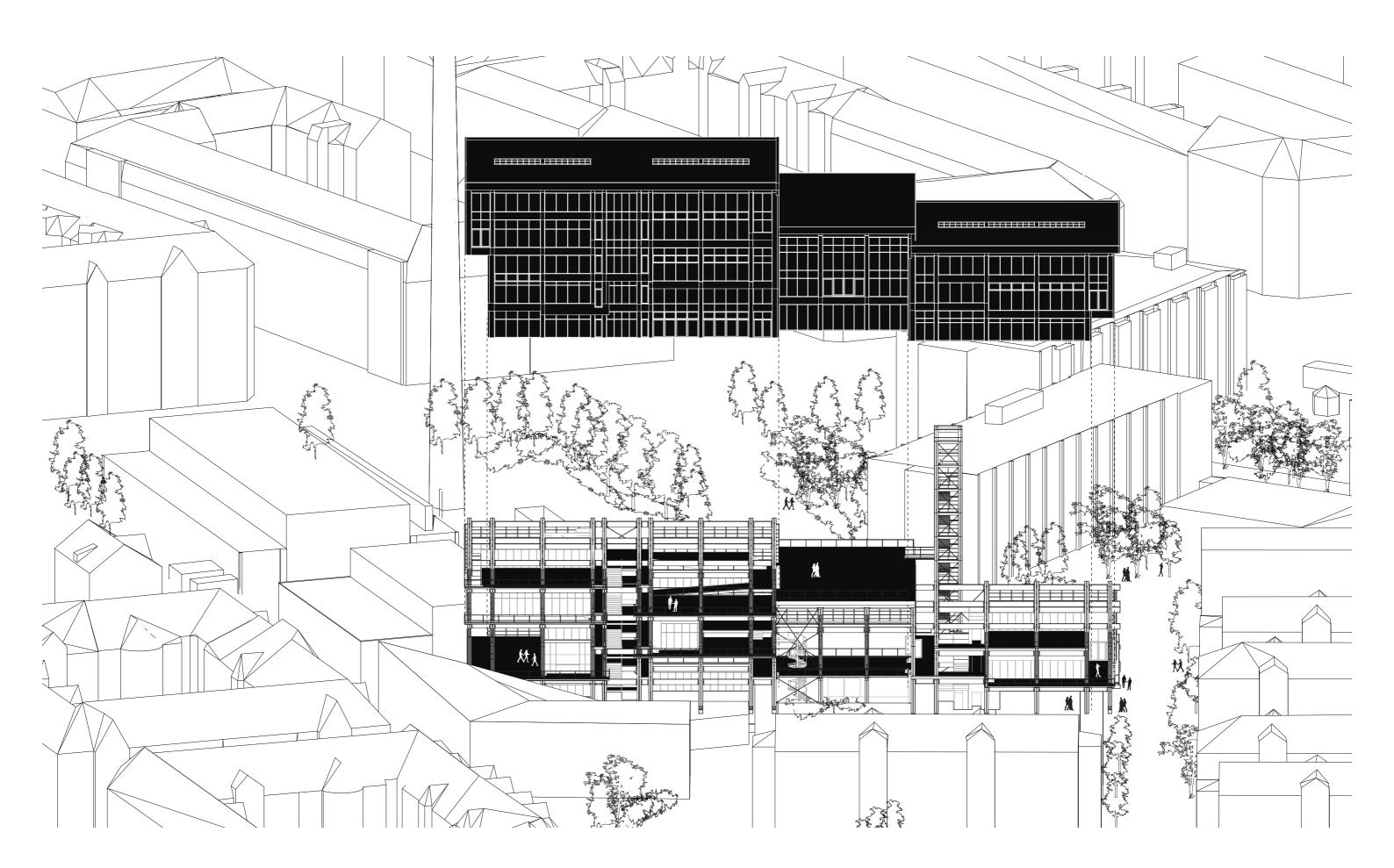
## From exhaustion To resilience

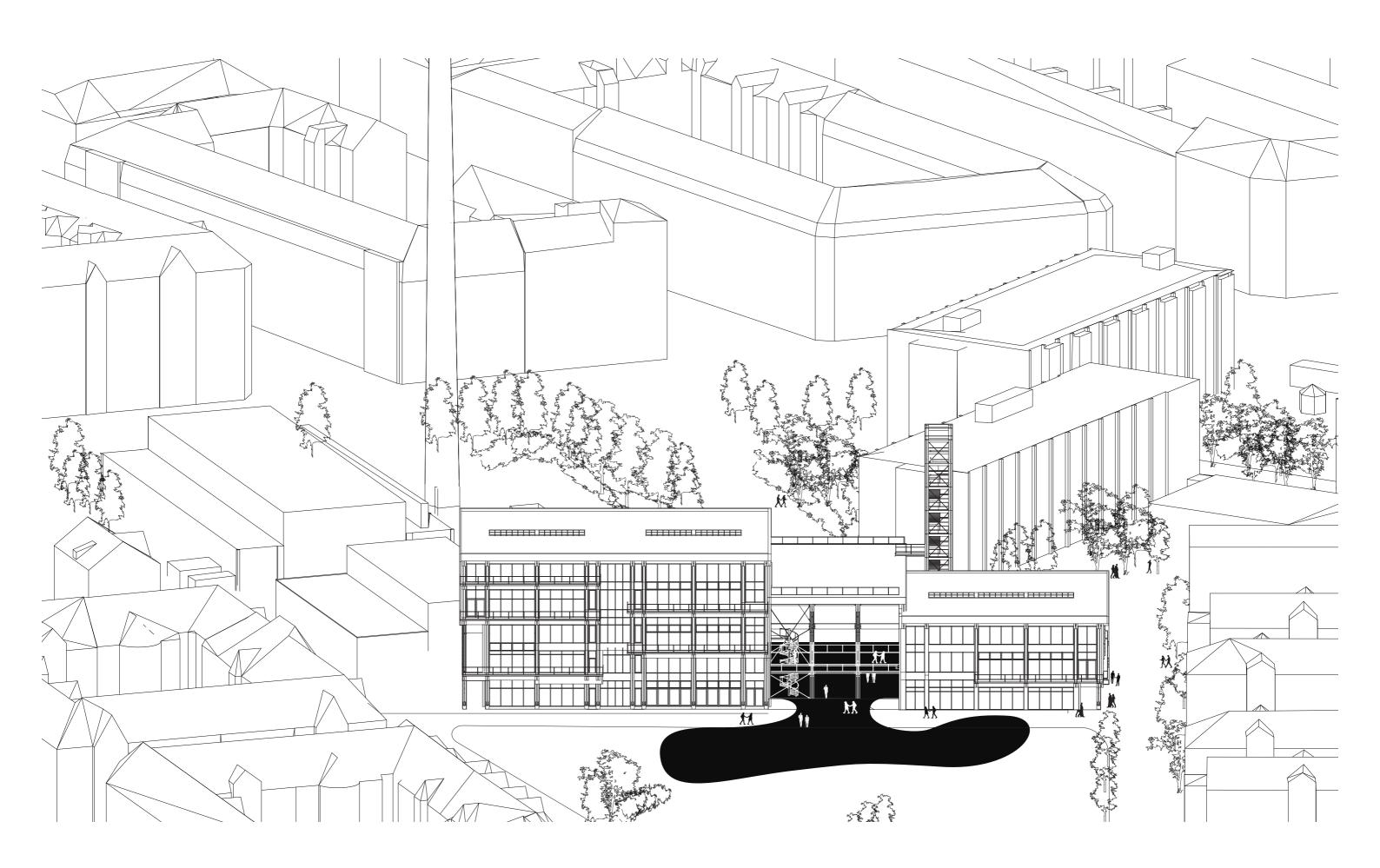
"Re-imagining the possible"

Miguel Borst | 4886356 | 19-6-2025

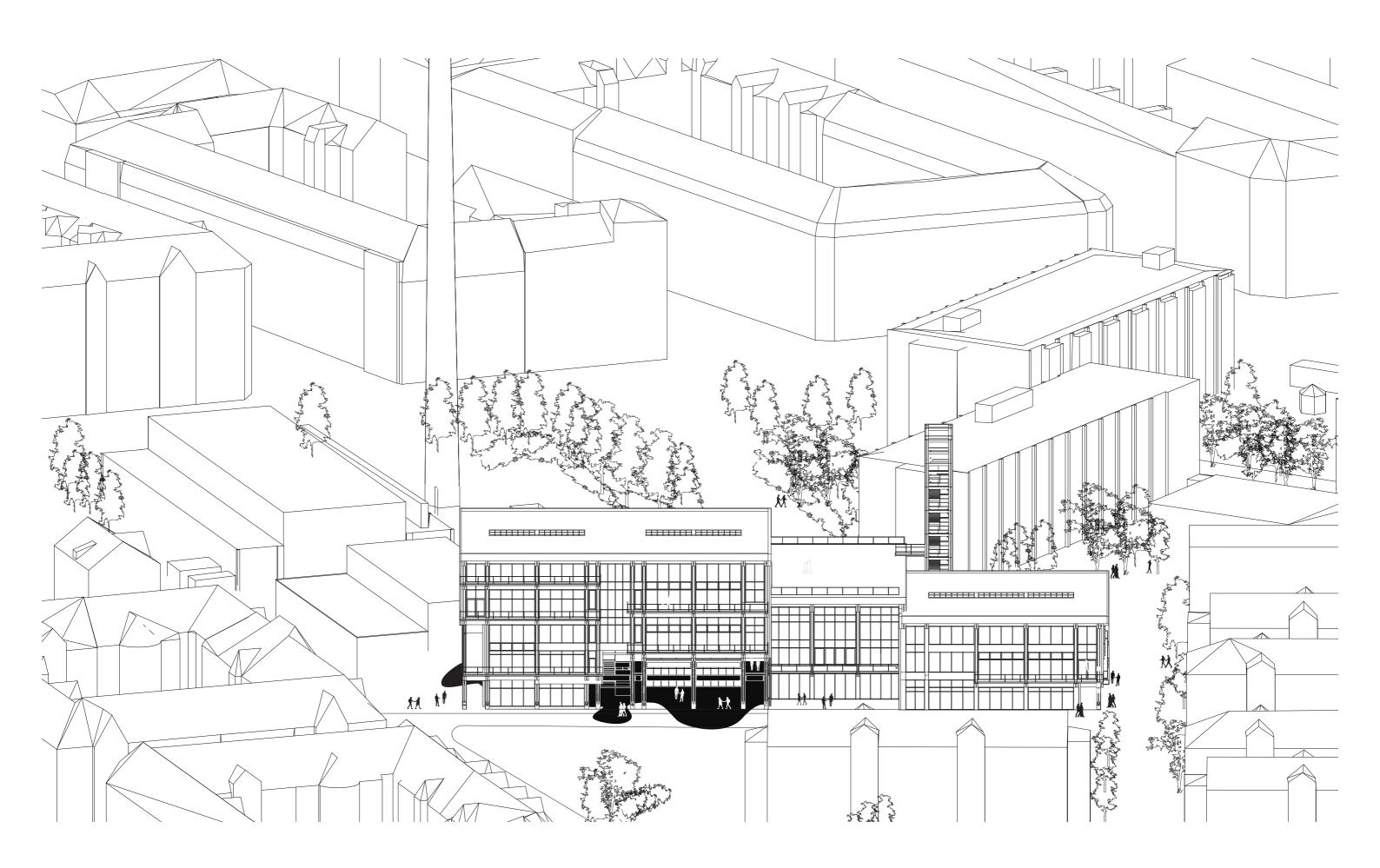
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## **Additional slides**

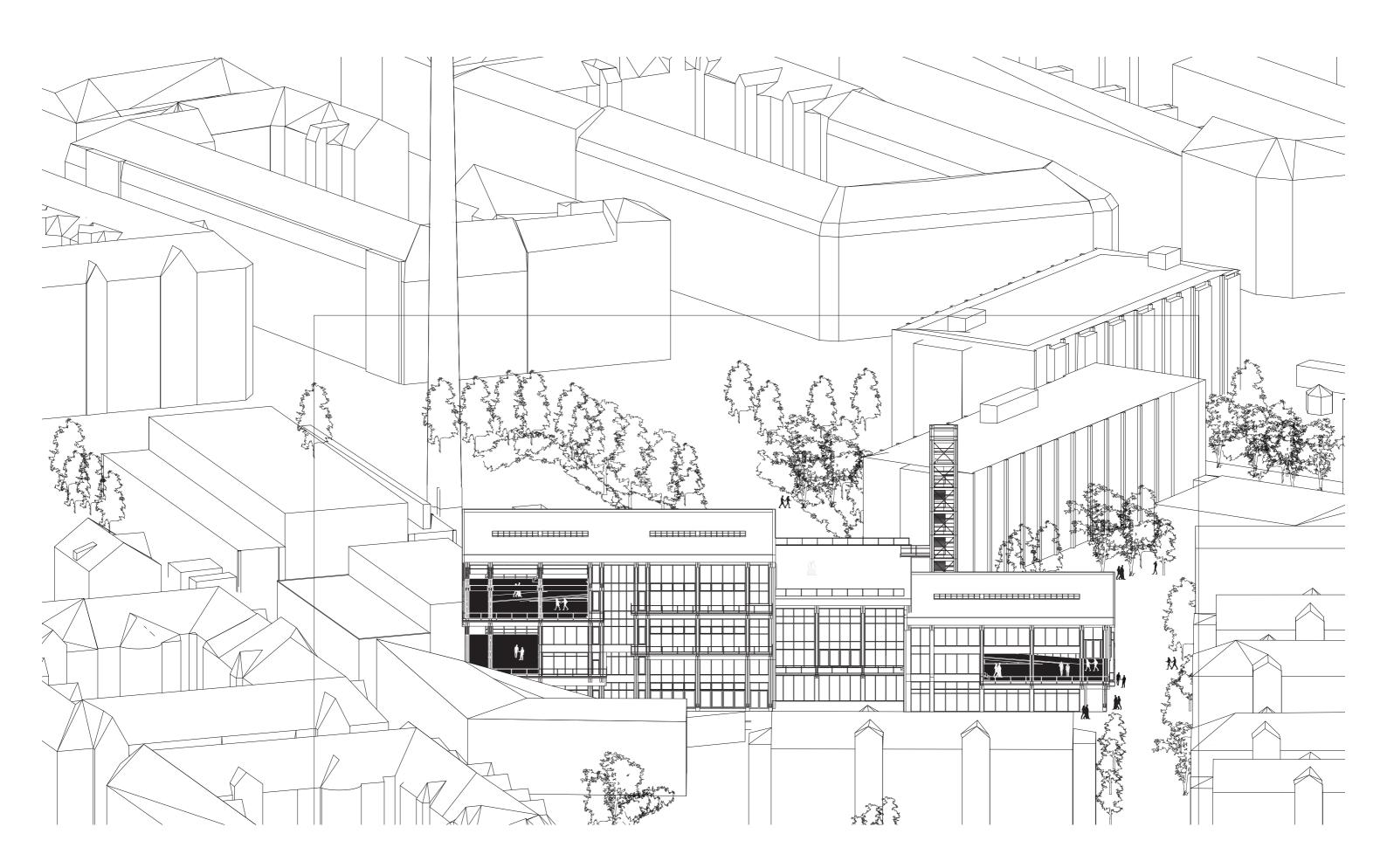


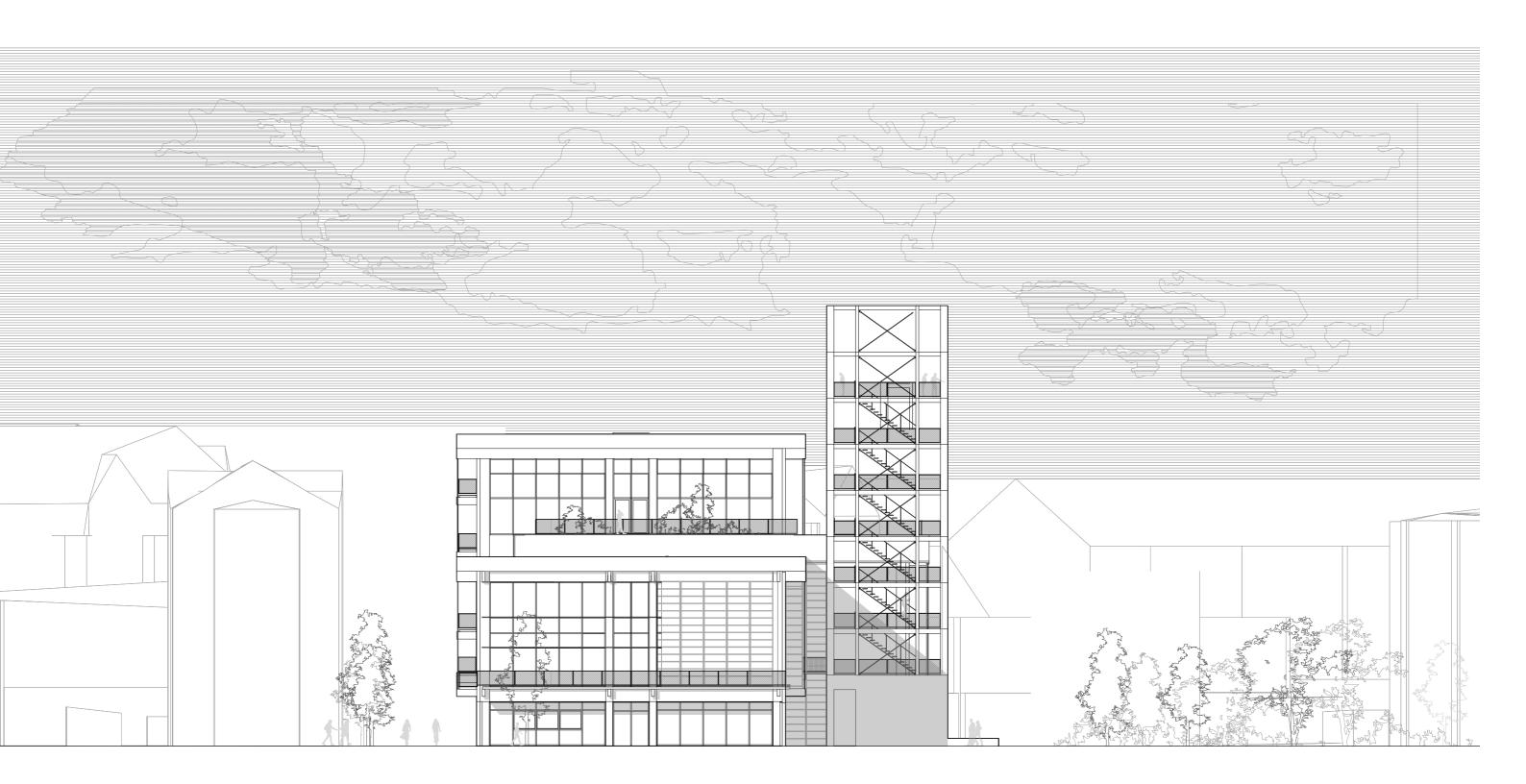


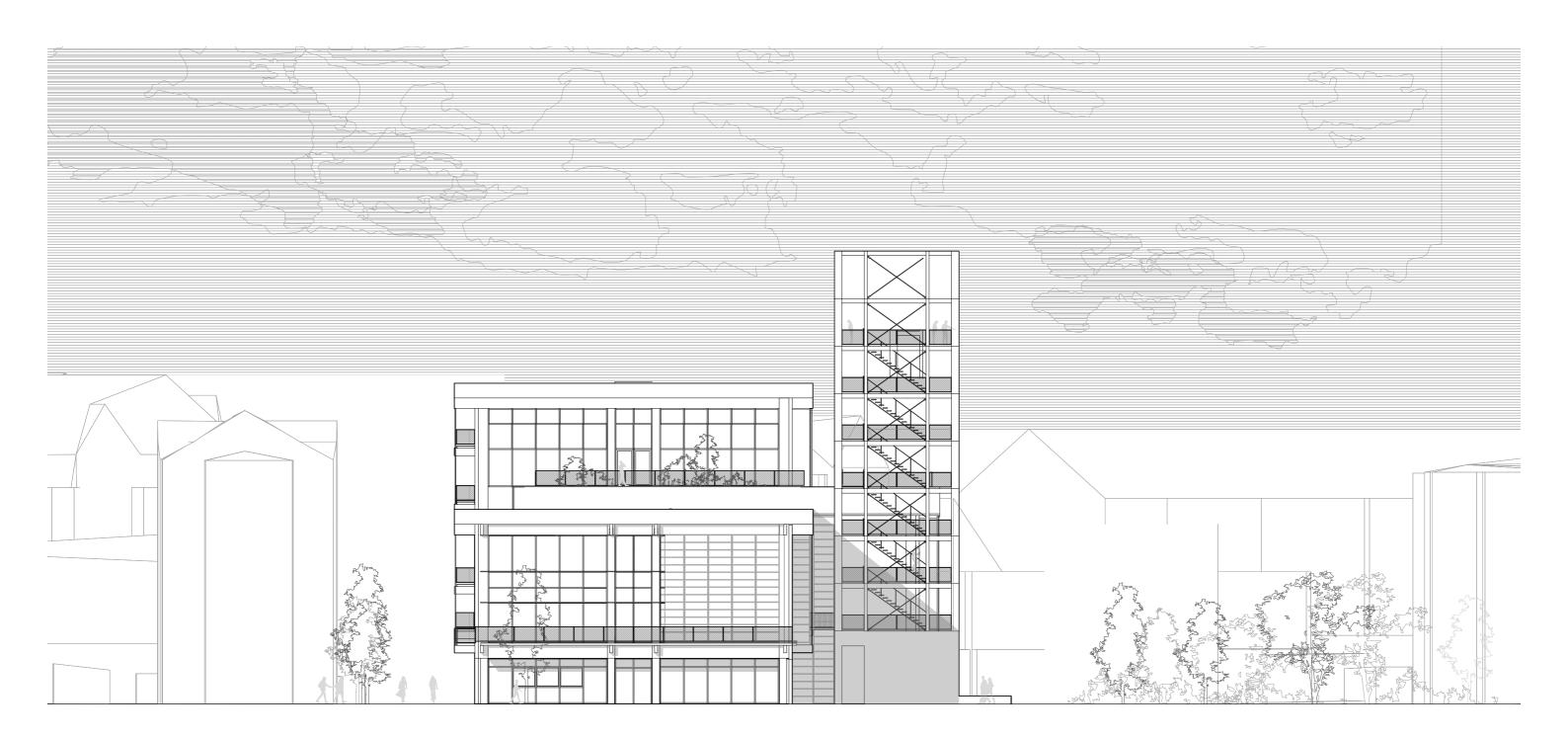
Alternative possibilities: removing boundaries of large hall

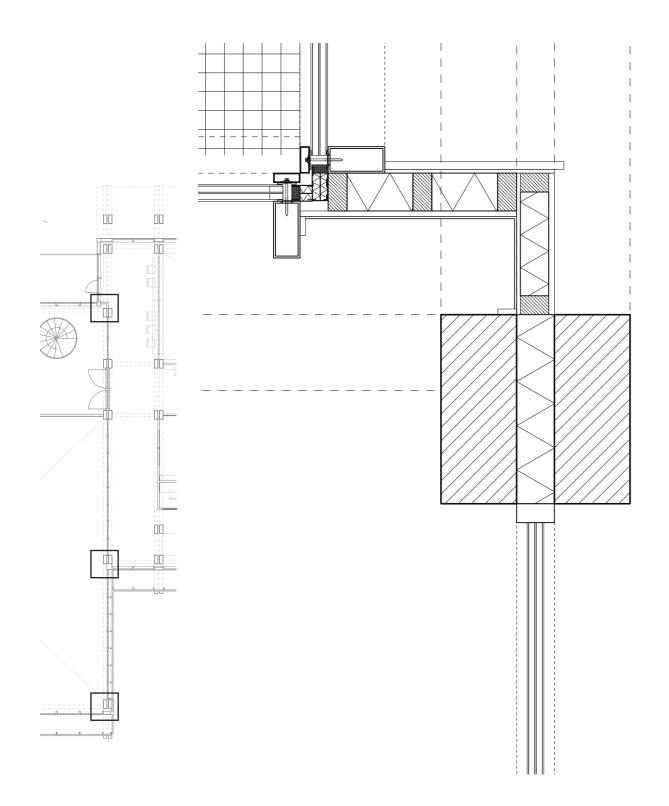


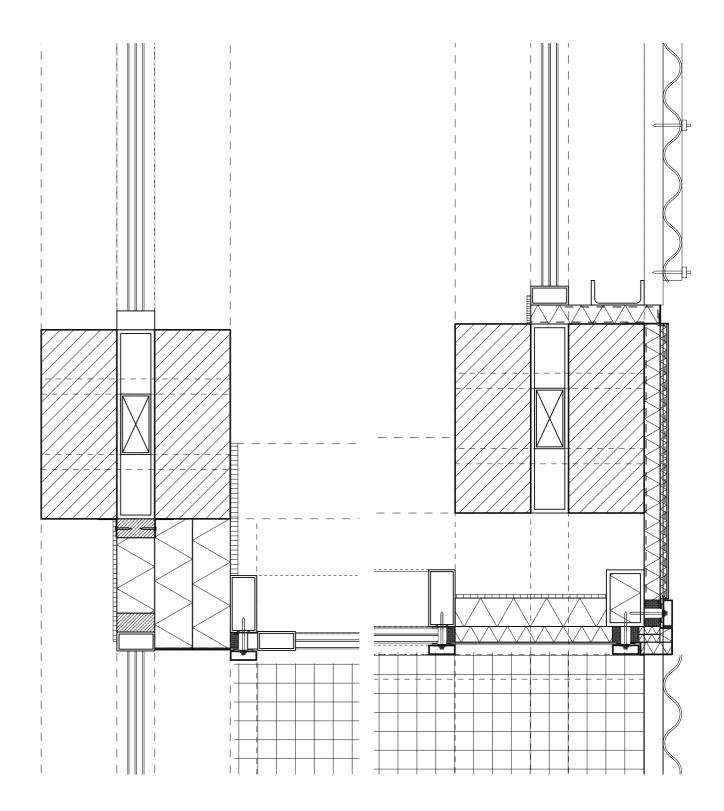
Alternative possibilities: Removing boundaries ground floor











Large hall sequence

