

# Fostering Social Inclusion

Copenhagen, Denmark

**P5 Presentation**  
Public Building  
Graduation Studio  
AR3AP100 2024/2025  
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6050875  
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# *Location*



Copenhagen, Denmark



Amager-Vest, Copenhagen

# Site Observations

Empty

Abundance of gates and fences

Gloomy

Insufficient/ unpleasant walking paths



Uninviting

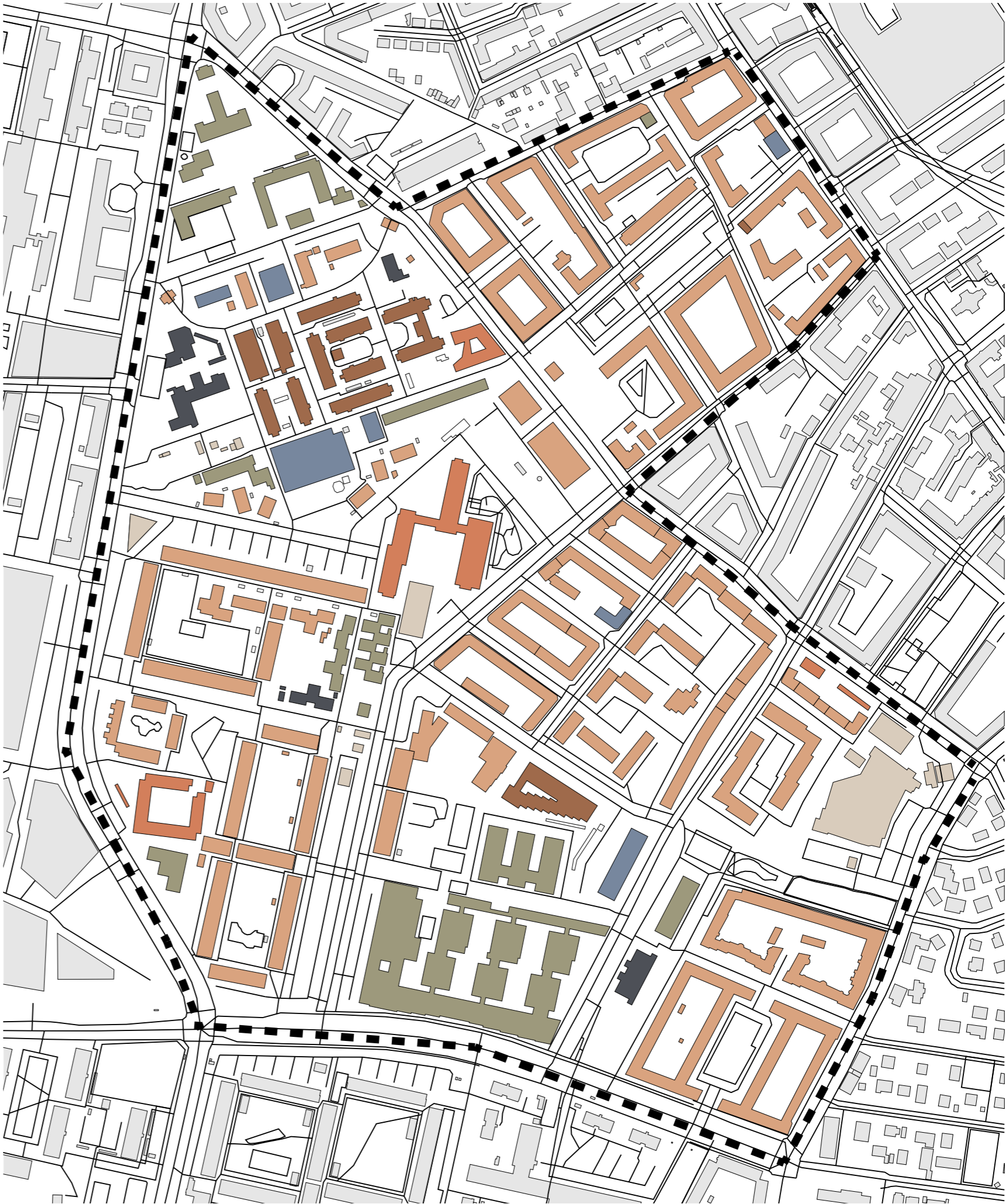
Lonely

Segregated

Bad area

# Functions of the Area

- Homeless Shelters
- Health Amenidities/ Elderly Homes
- Residential Buildings
- Supermarkets/ Public Buildings
- Government Buildings
- Businesses
- Educational Institutions

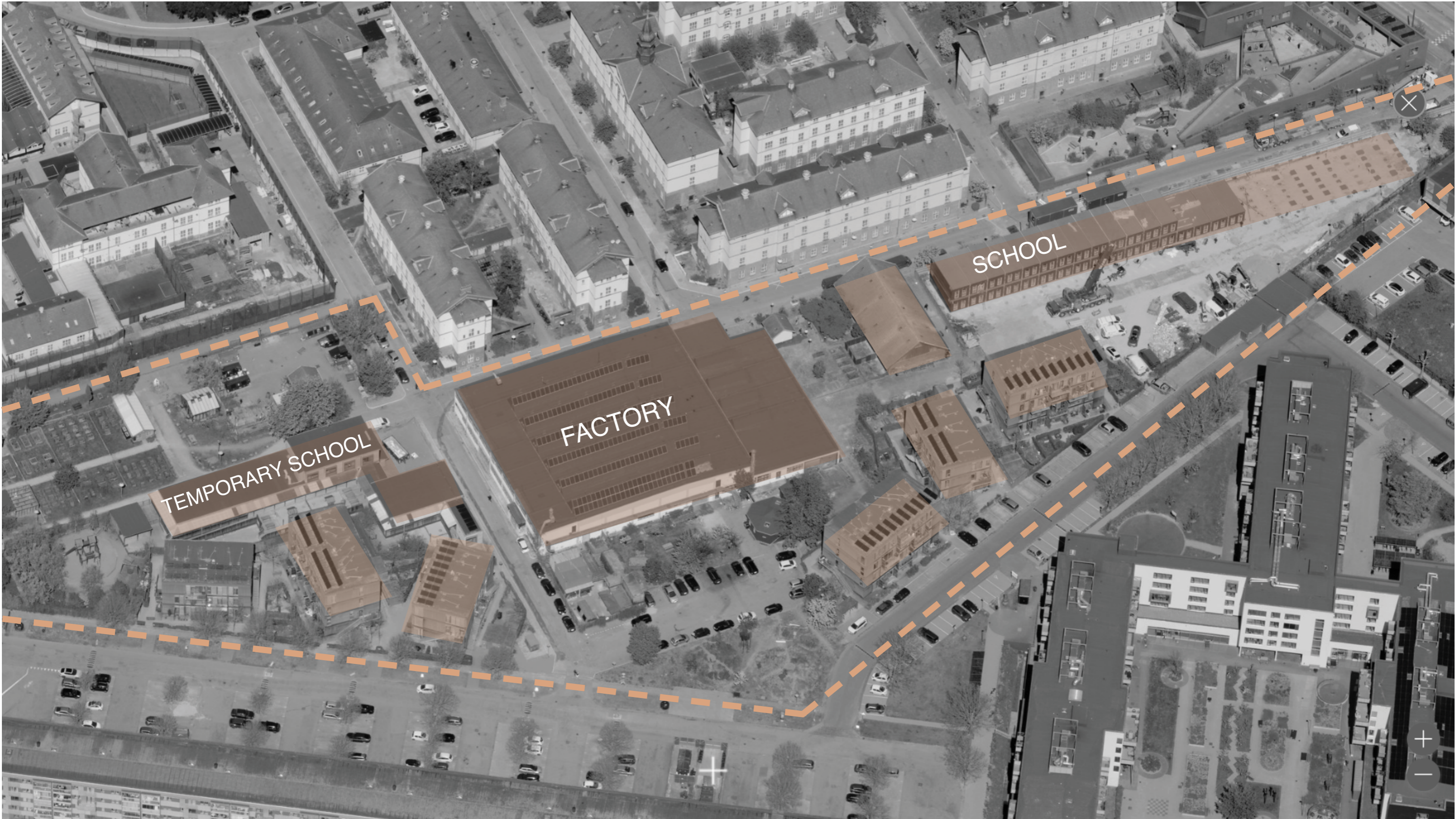


# *Problem Statement*

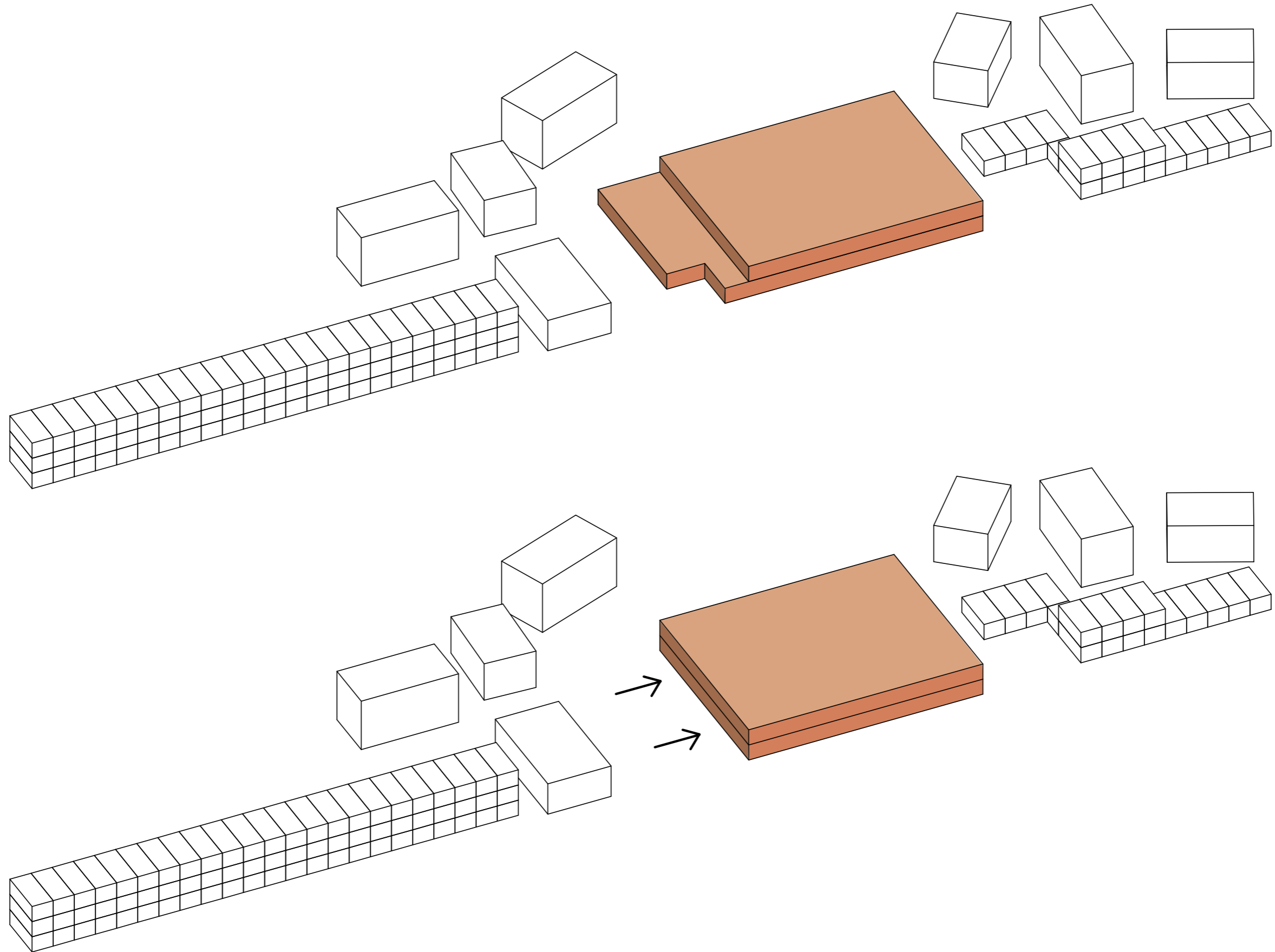
How does the design of a Public Condenser contribute to the establishment of **social integration and inclusivity** in a community, while **promoting a healthy environment and accessibility**?

- implementation of reuse, resilience and modular design
- design strategies contributing to the improvement of social inclusivity
- adaptation and transformation for a futureproof public building

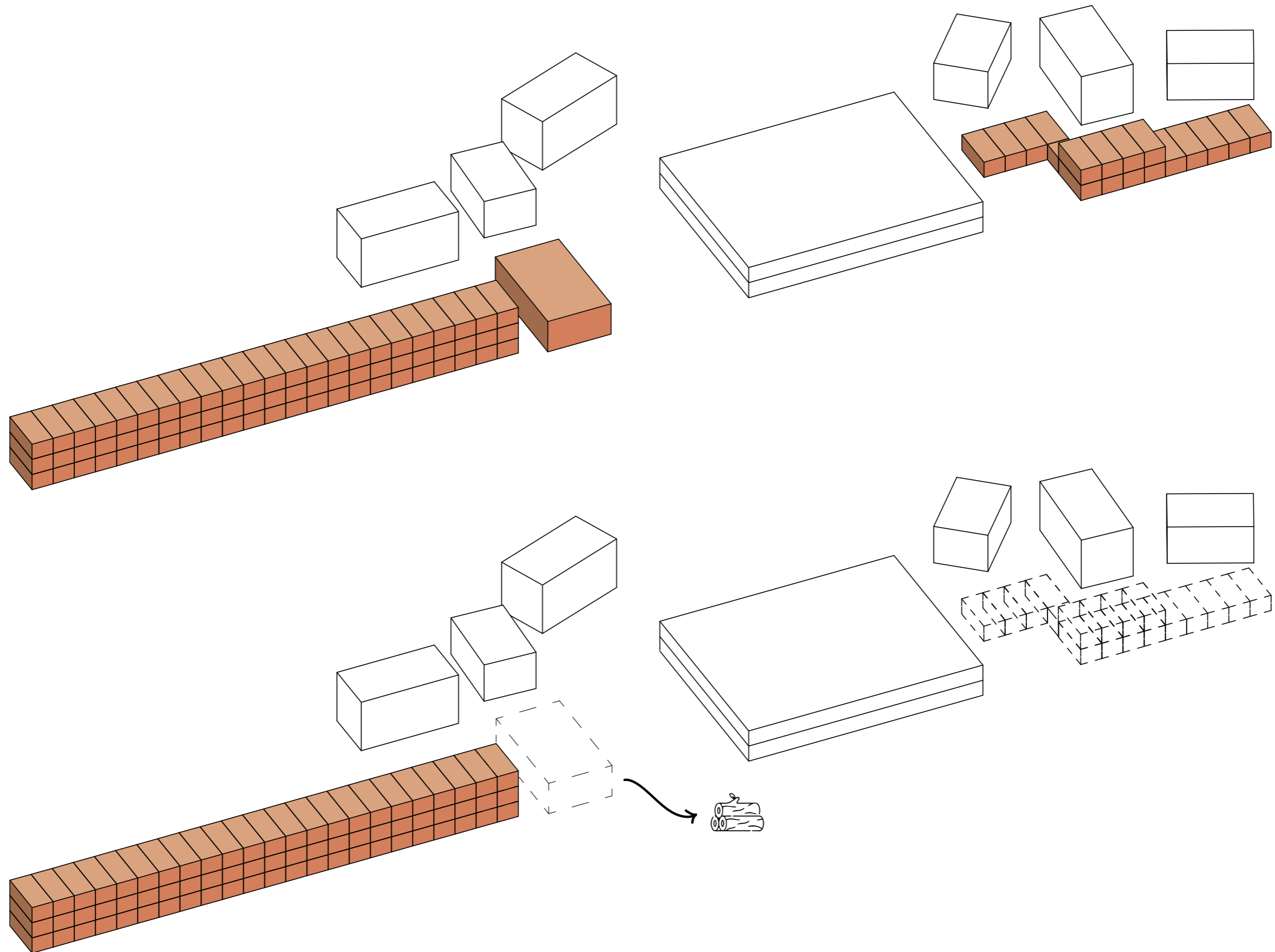
*Project Area*



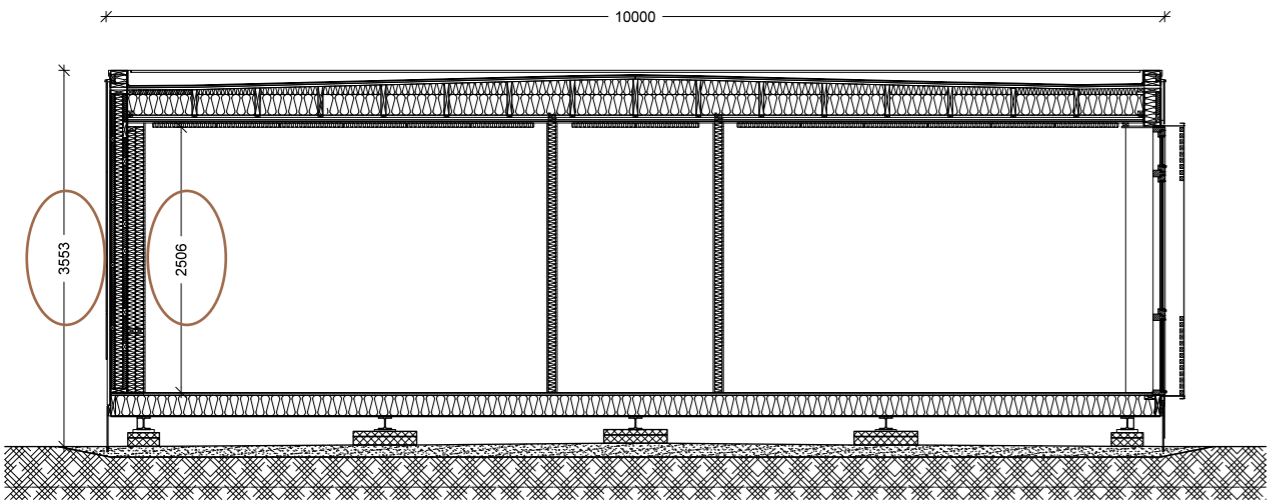
# *Concept of Reuse*



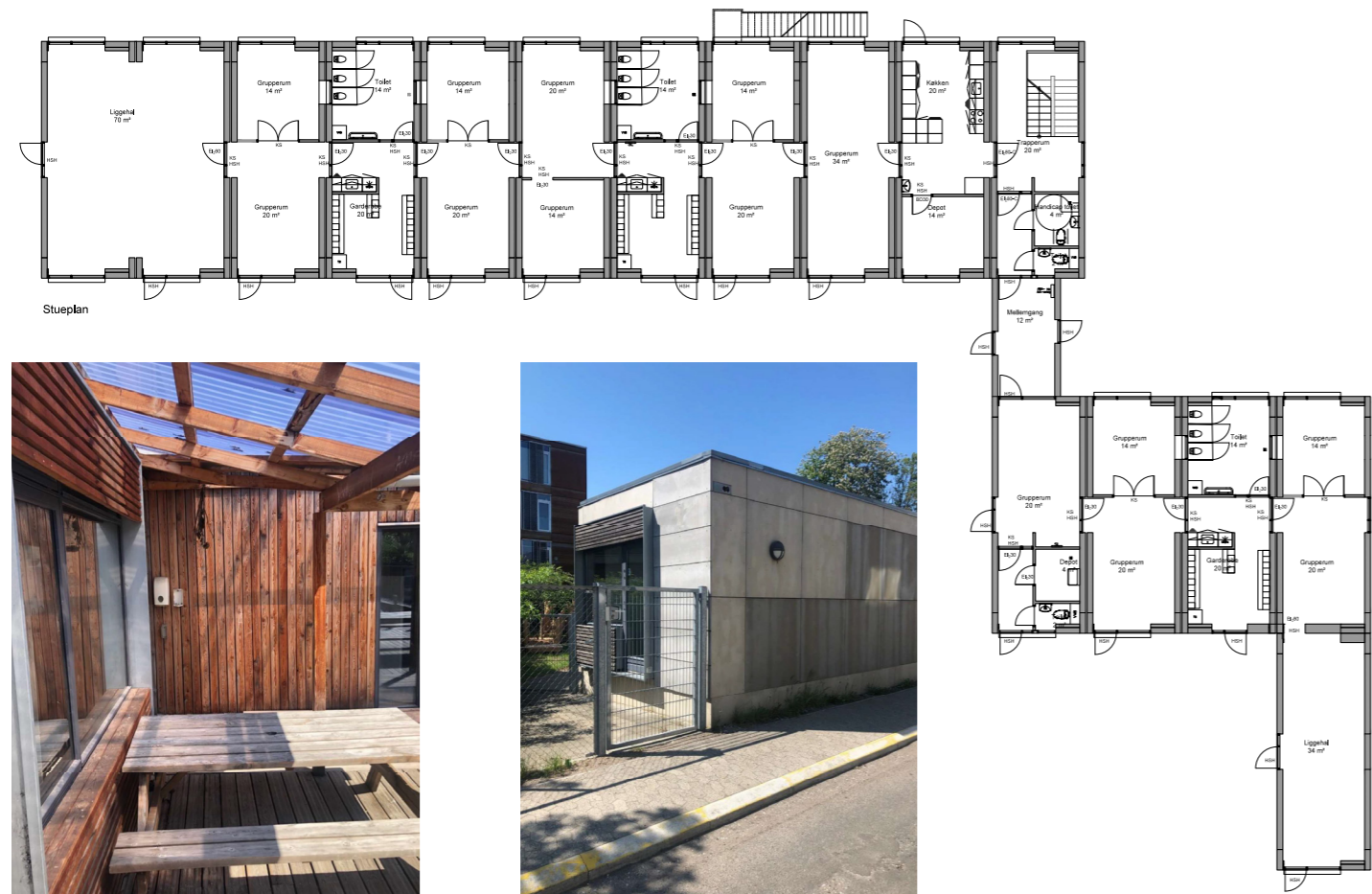
# *Concept of Reuse*



Reuse /containers/



Insufficient Height Dimensions for Reuse with the Design



Quality in Keeping the Containers Structure Together

Quality in Keeping the Containers Together

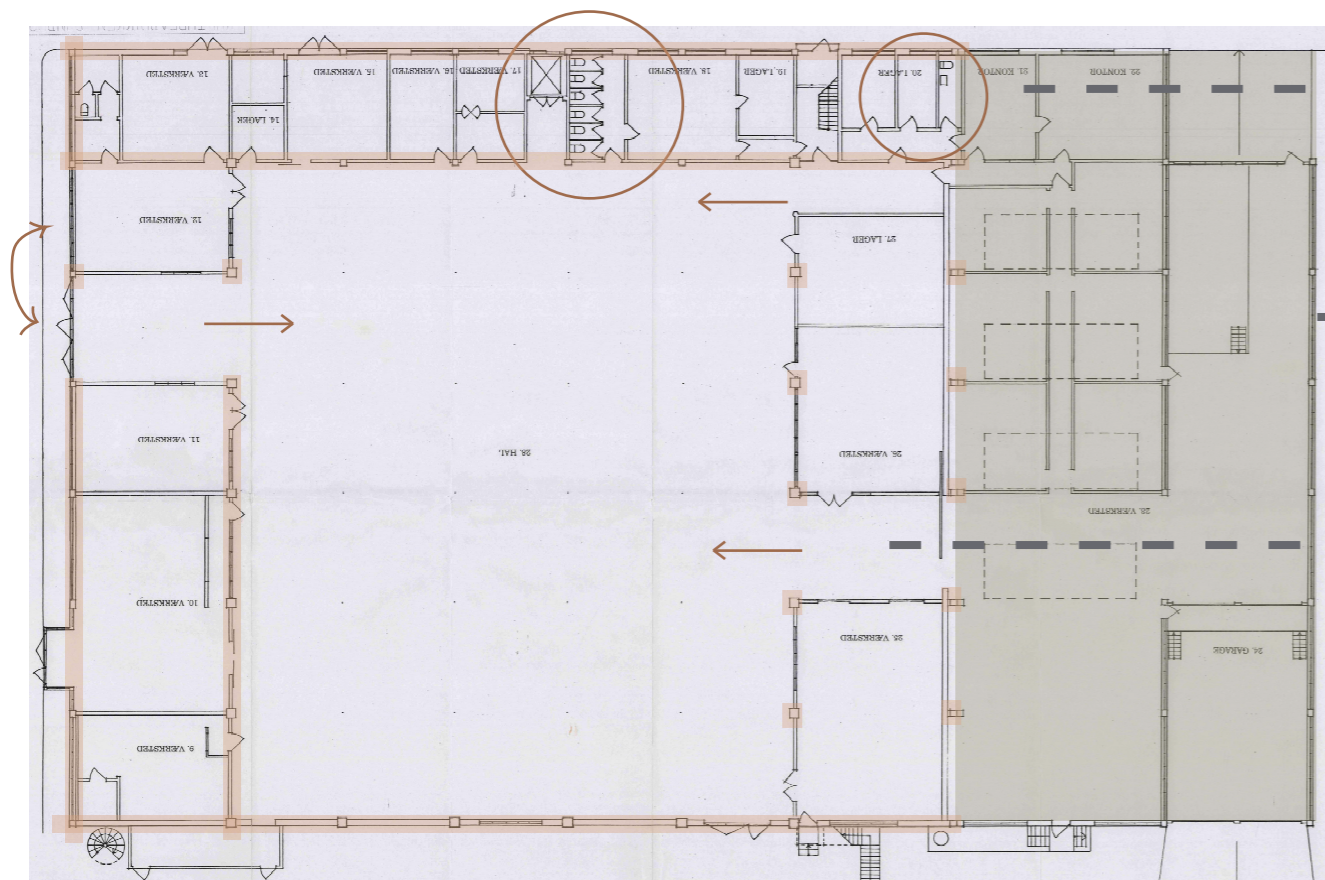
Removal & Reuse -> Close to the Site  
(Minimize Footprint)

Relocation Benefit (Part of the School Area)



Sonderbro Area

# Reuse /factory/



Ground Floor Factory

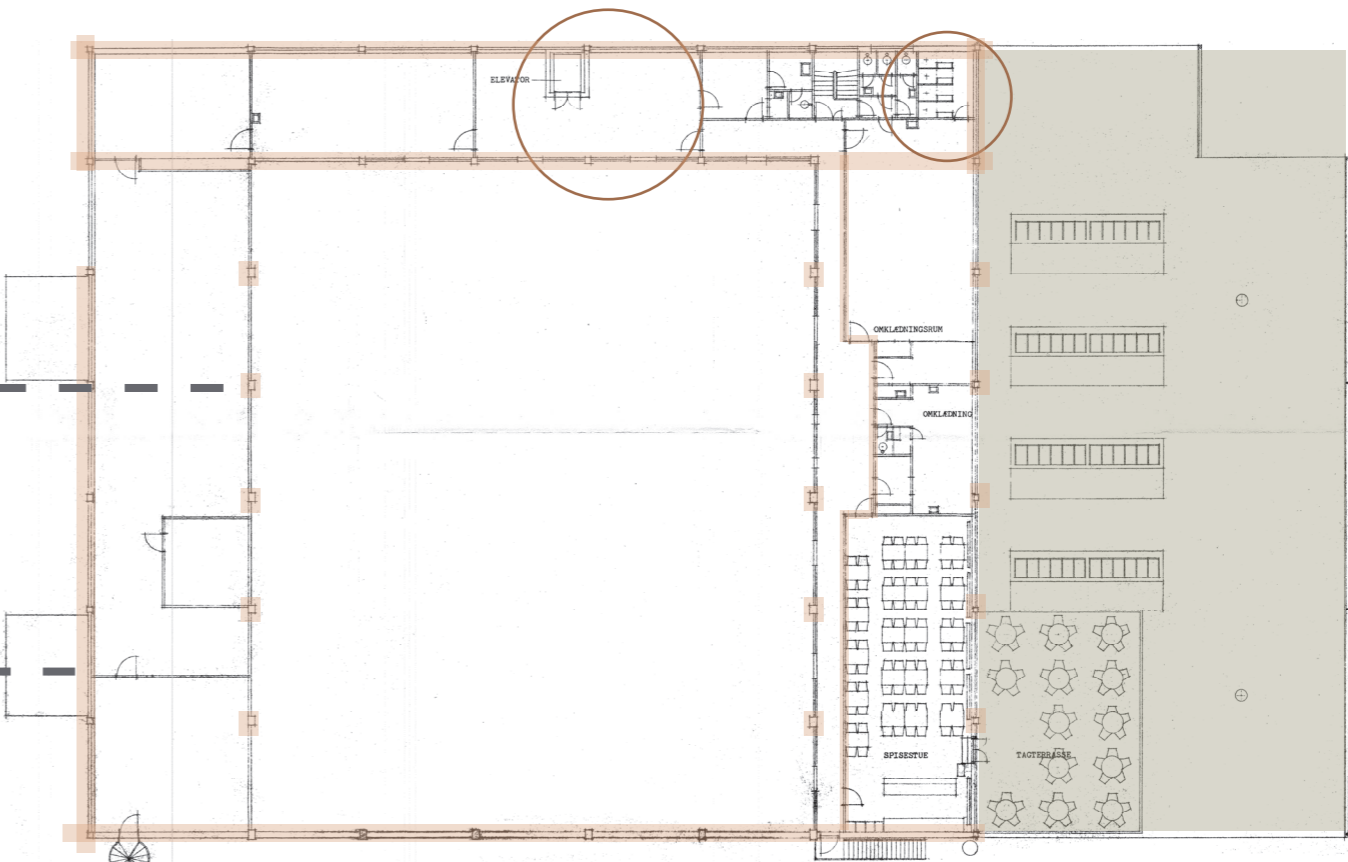
Reusing Existing Shafts - Elevator & Bathrooms

Removing Lower Part of Factory  
(Lack of Quality)

Reusing Main Access Points

Maintaining Existing Structure

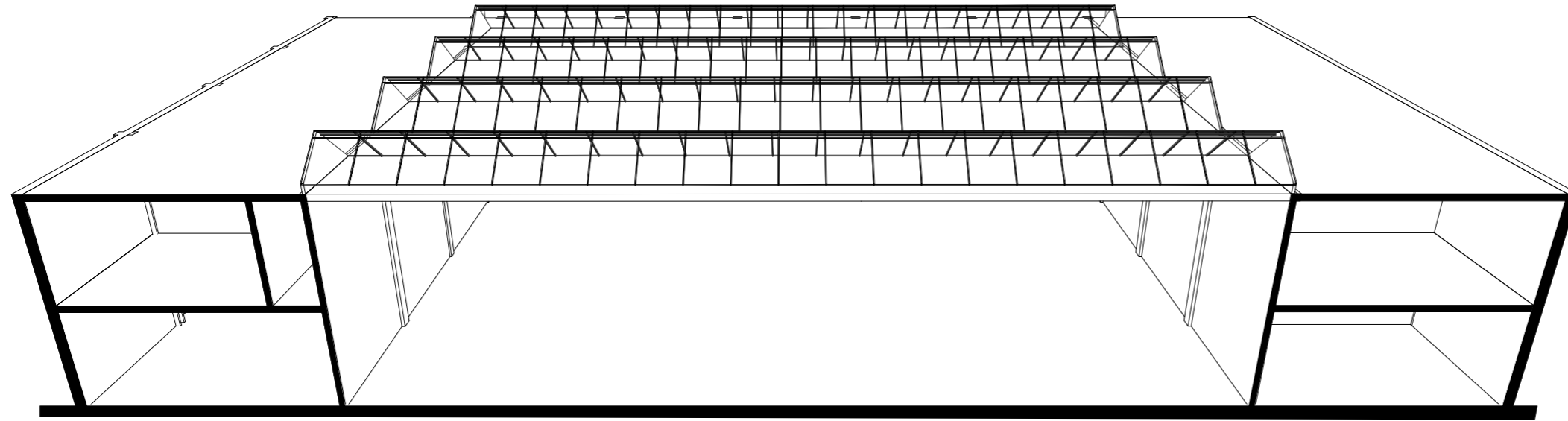
Reuse Majority of Facade



First Floor Factory

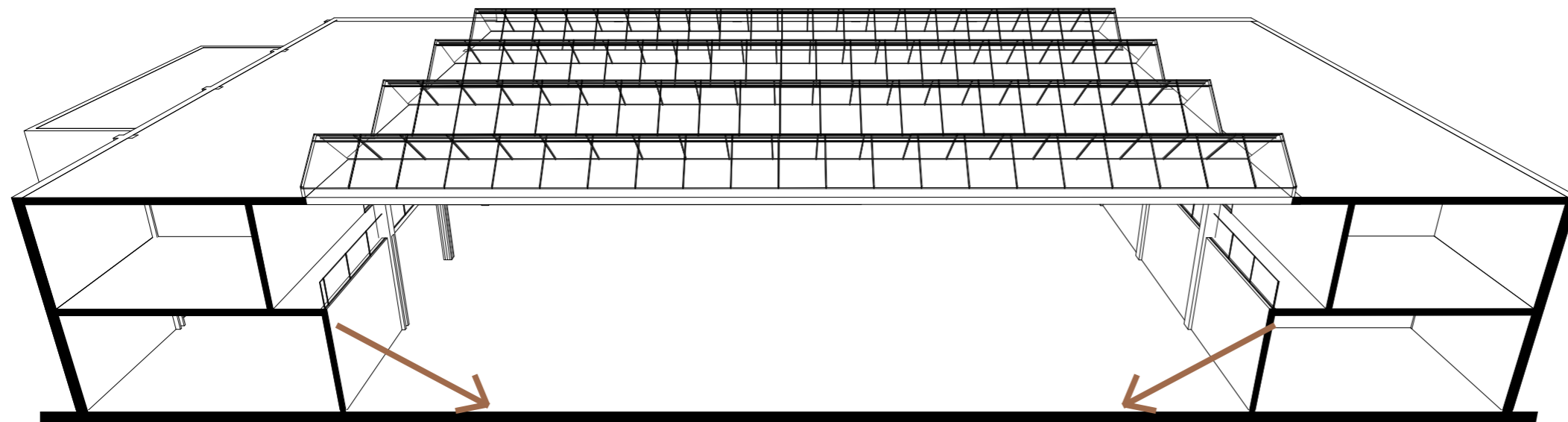
# *Reuse /factory/*

# *Old vs New*



Existing Structure of the Factory

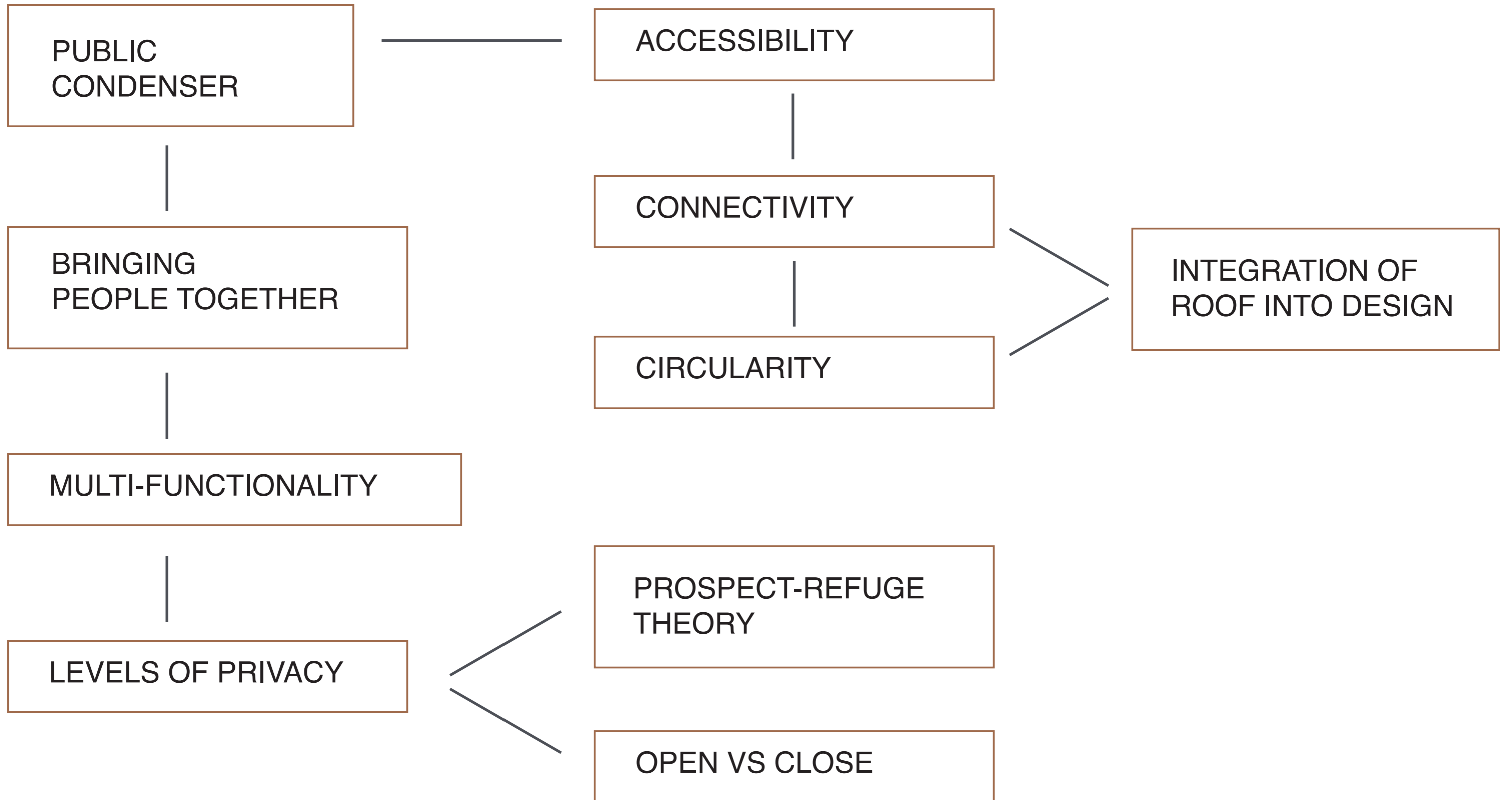
Closed Off Walls/  
Closed Off Hallway/  
Clear Separation of Main  
Hall and Adjacent Rooms



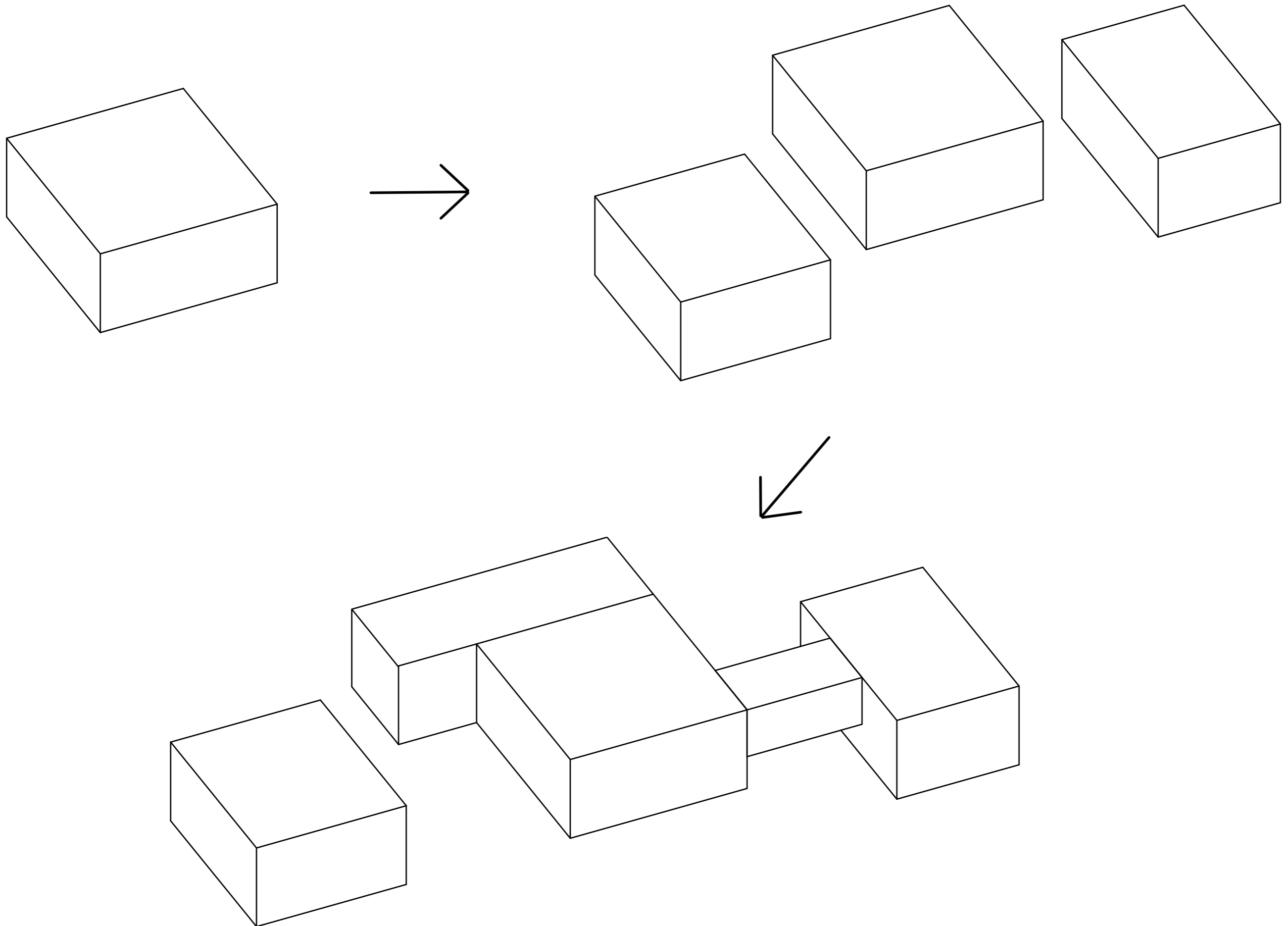
New Proposal Structure of the Factory

Opening First Floor Walls/  
Better Connection/  
More Natural Daylight to  
Adjacent Rooms

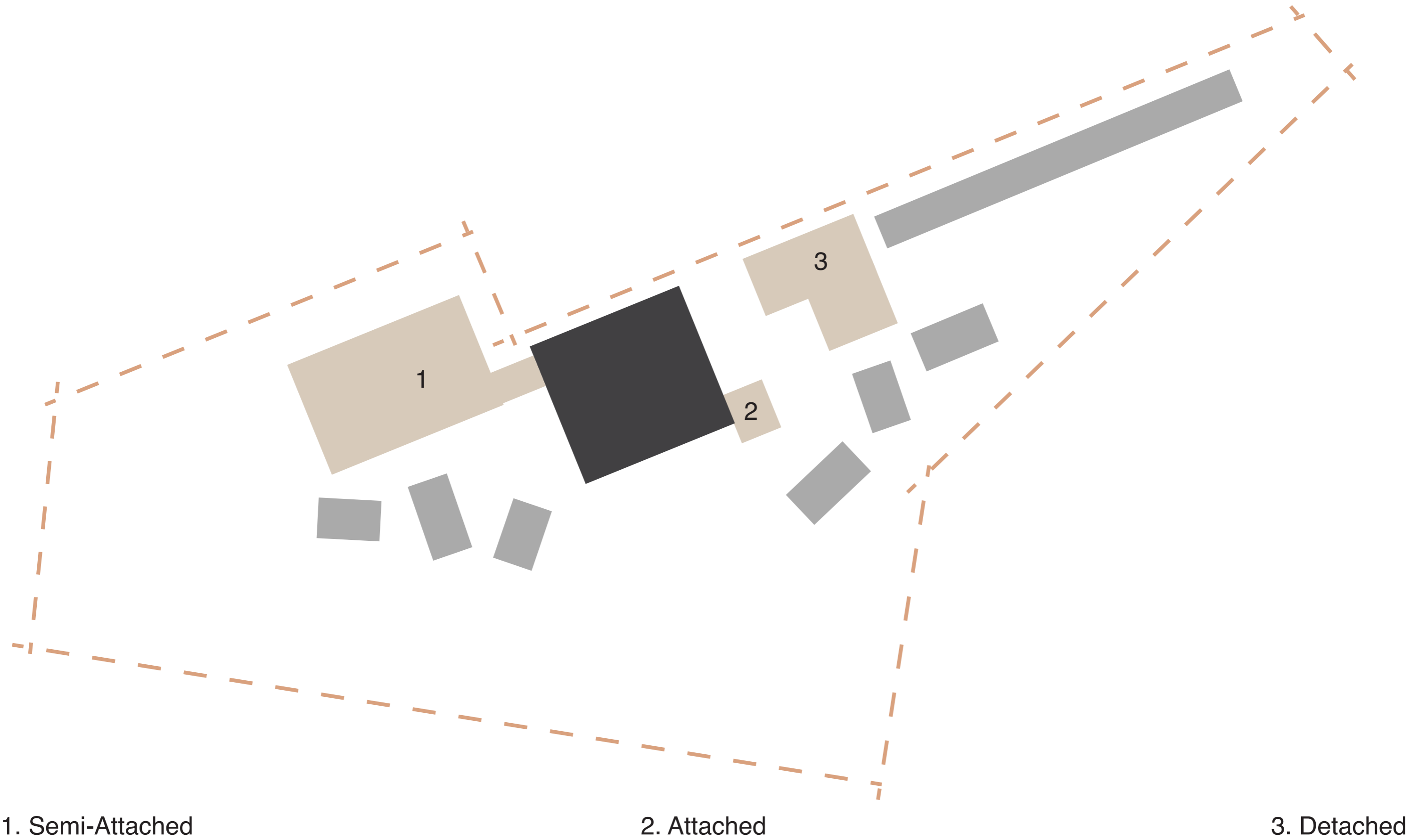
# *Design Concepts*



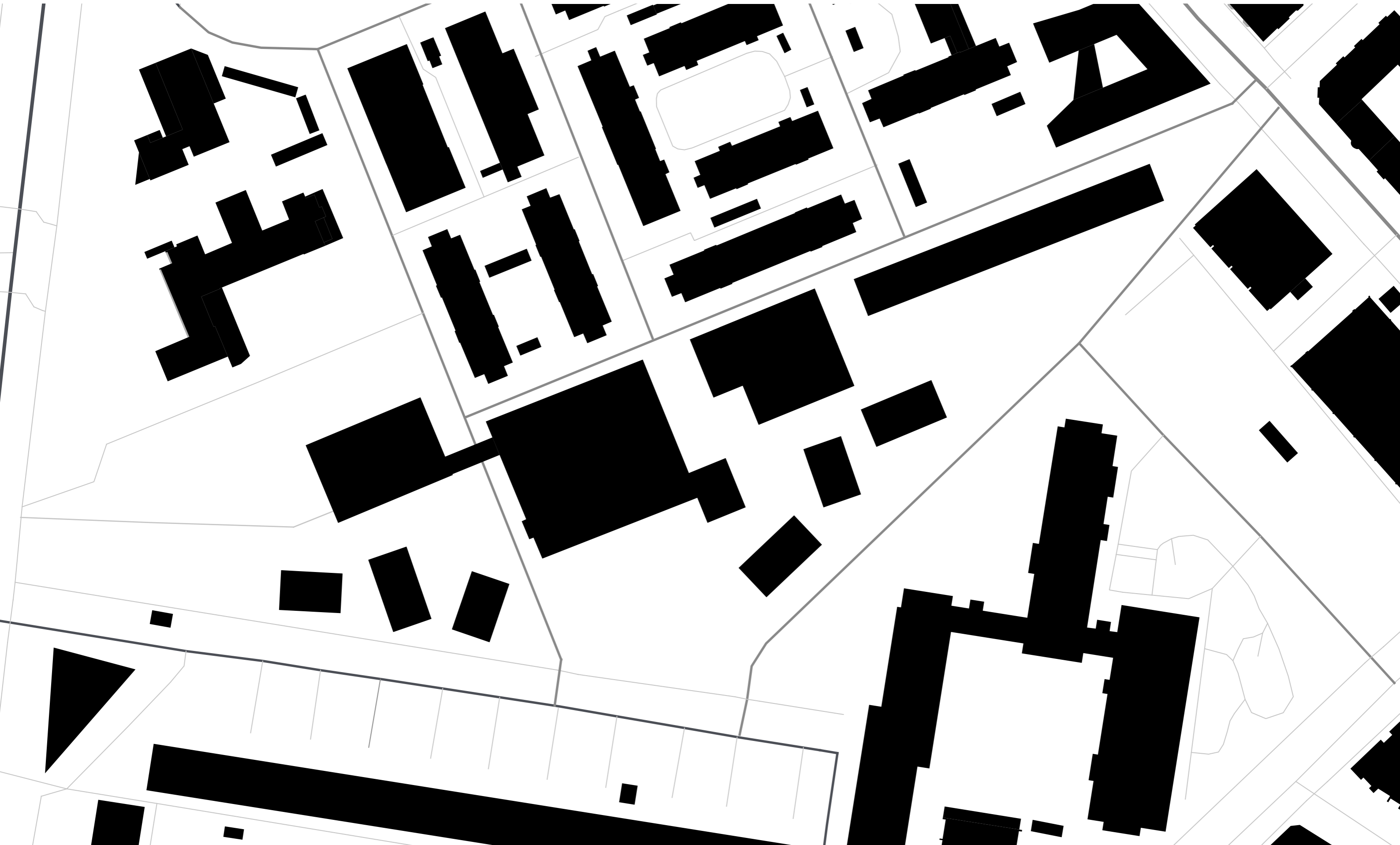
# *Concept*



# Concept



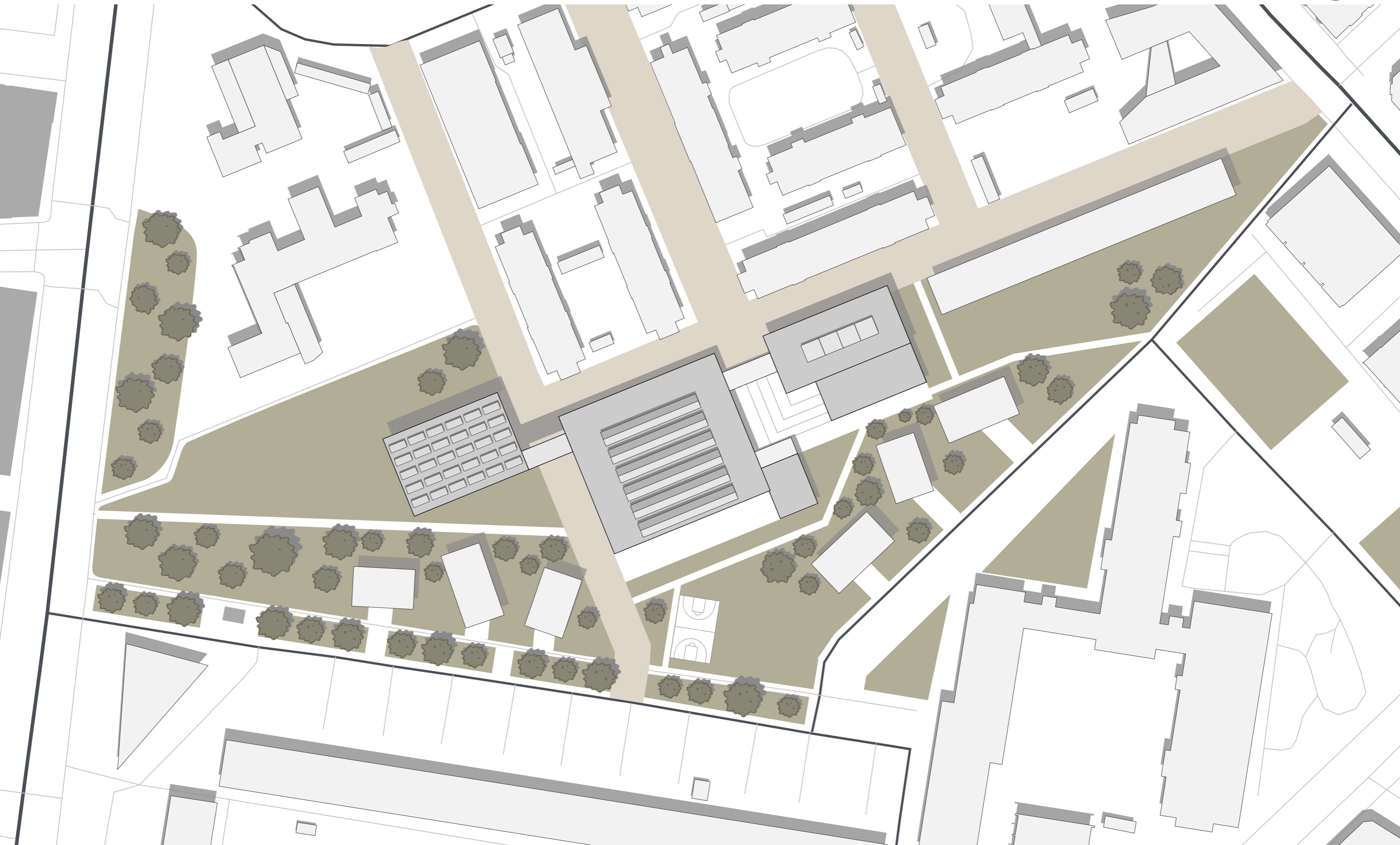
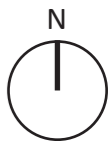
# *‘Nolli’ Plan*



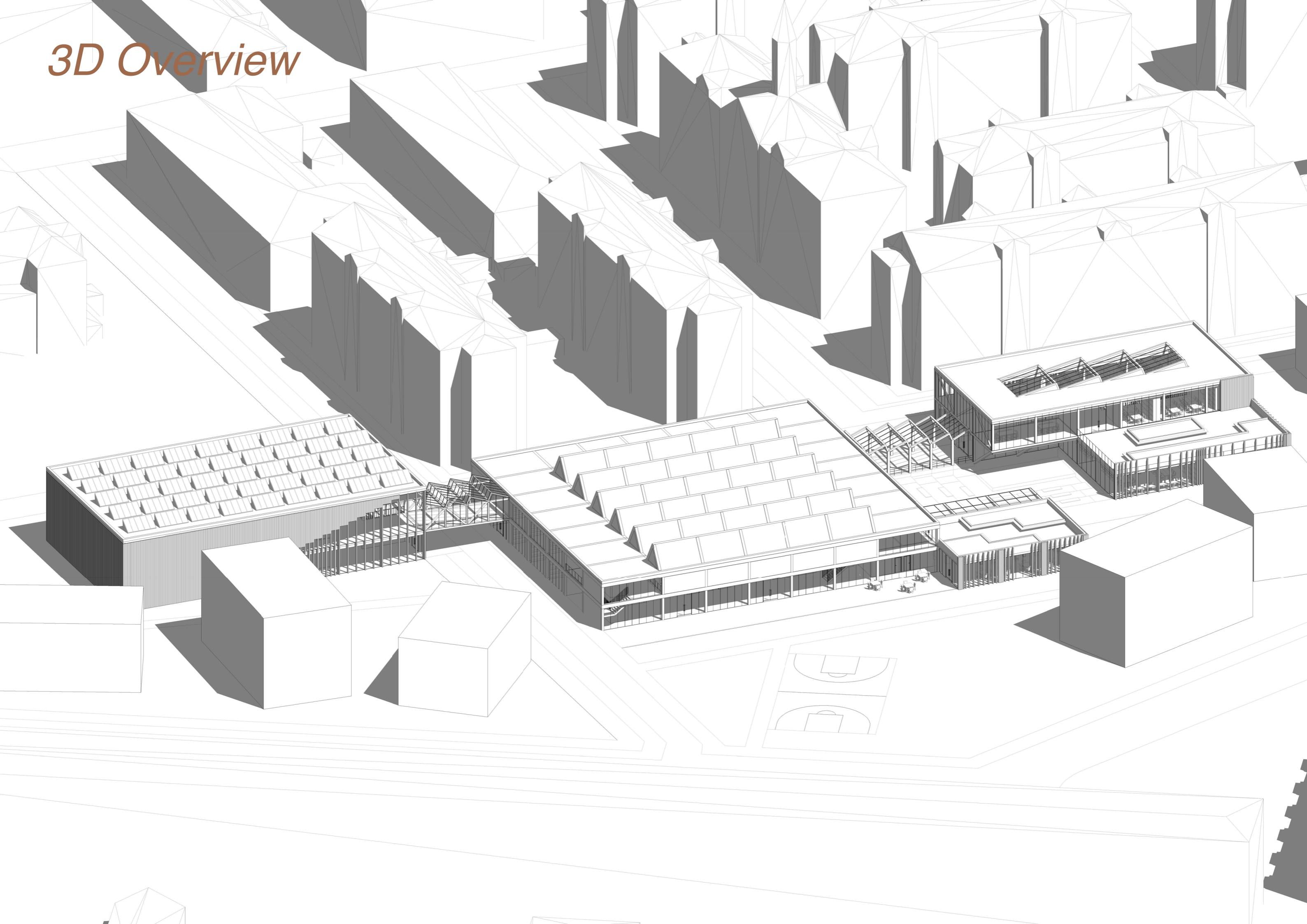
Masterplan 1:1000

# Connectivity

Pedestrian & Bicycle Streets  
Green Buffer



# *3D Overview*



# 3D Overview

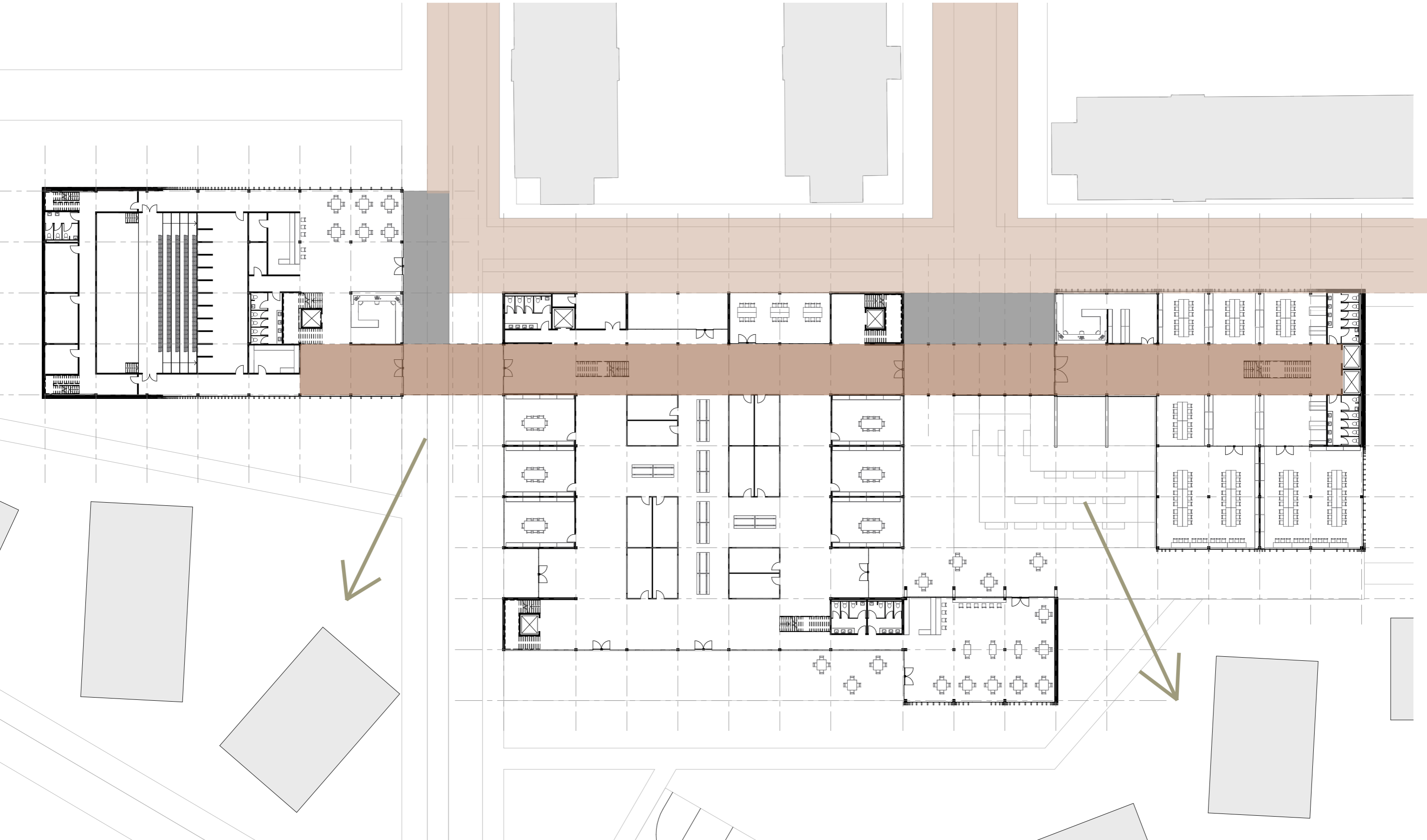


Connectivity

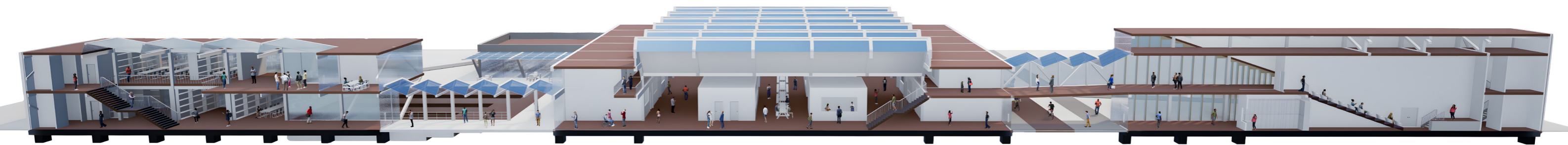
AXIALITY



ROUTING/ ORGANIZATION



# *Connectivity*



# Connectivity

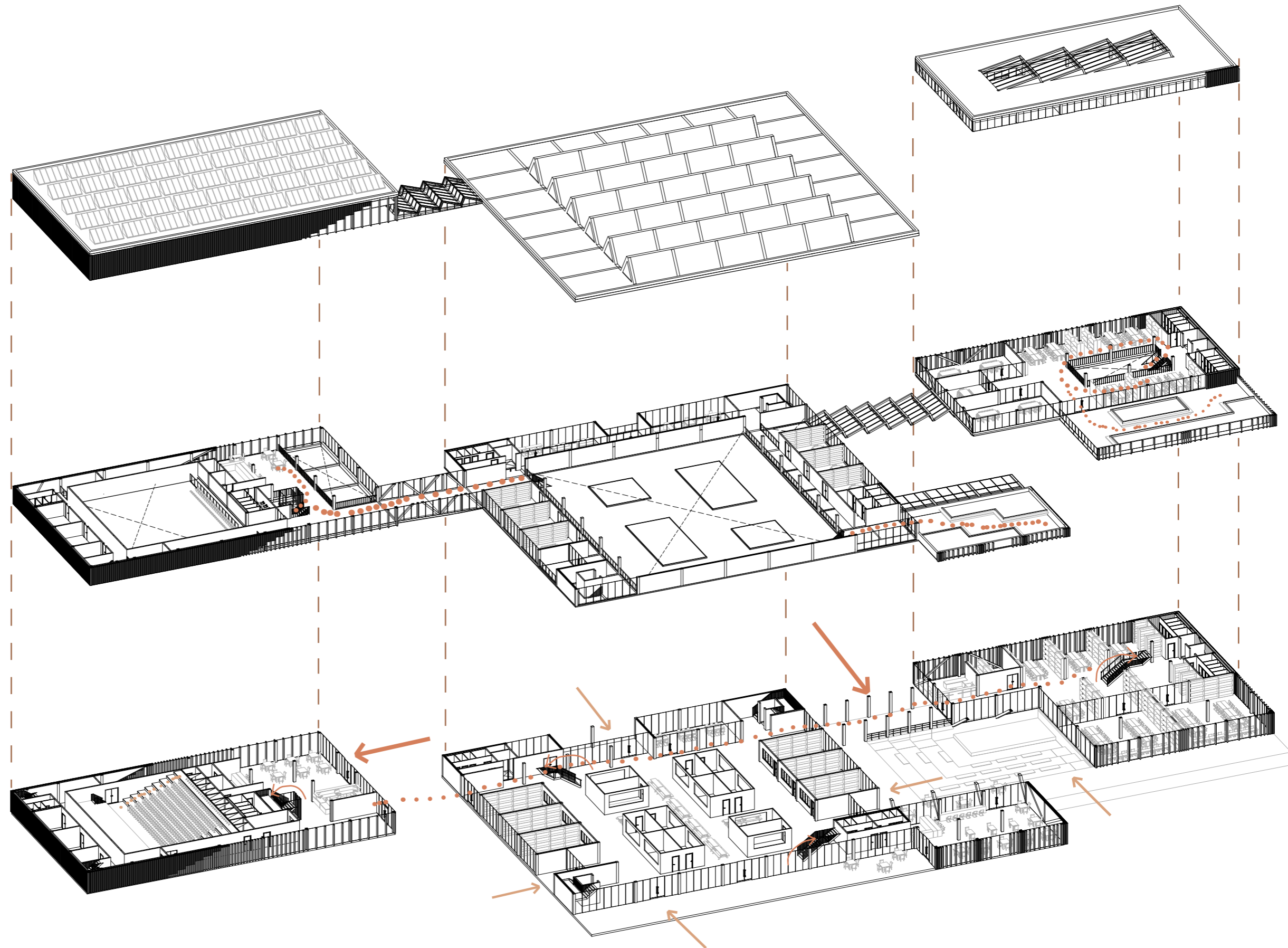
## CIRCULATION

*/STAIRS/ WALKING  
ROUTES/*

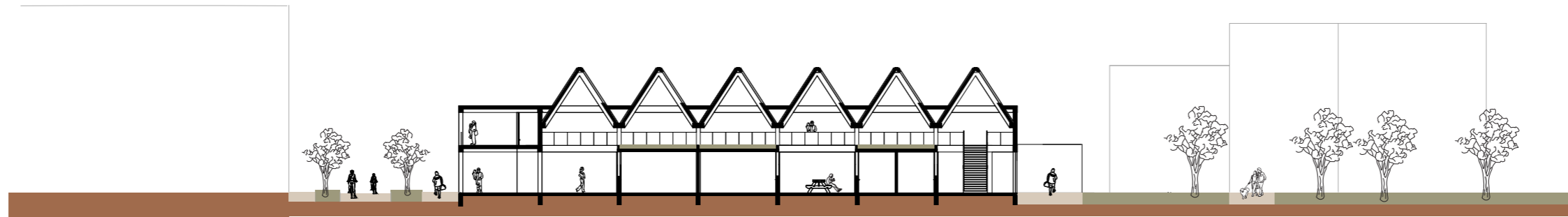
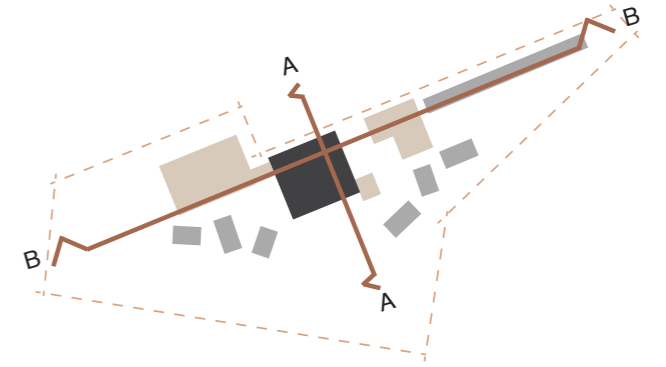


## OPENNESS

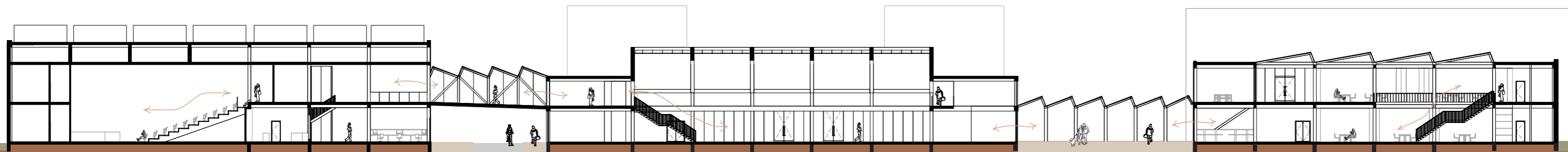
*/WINDOWS/ FACADE  
OPENINGS/ ATRIUMS*



# Connectivity

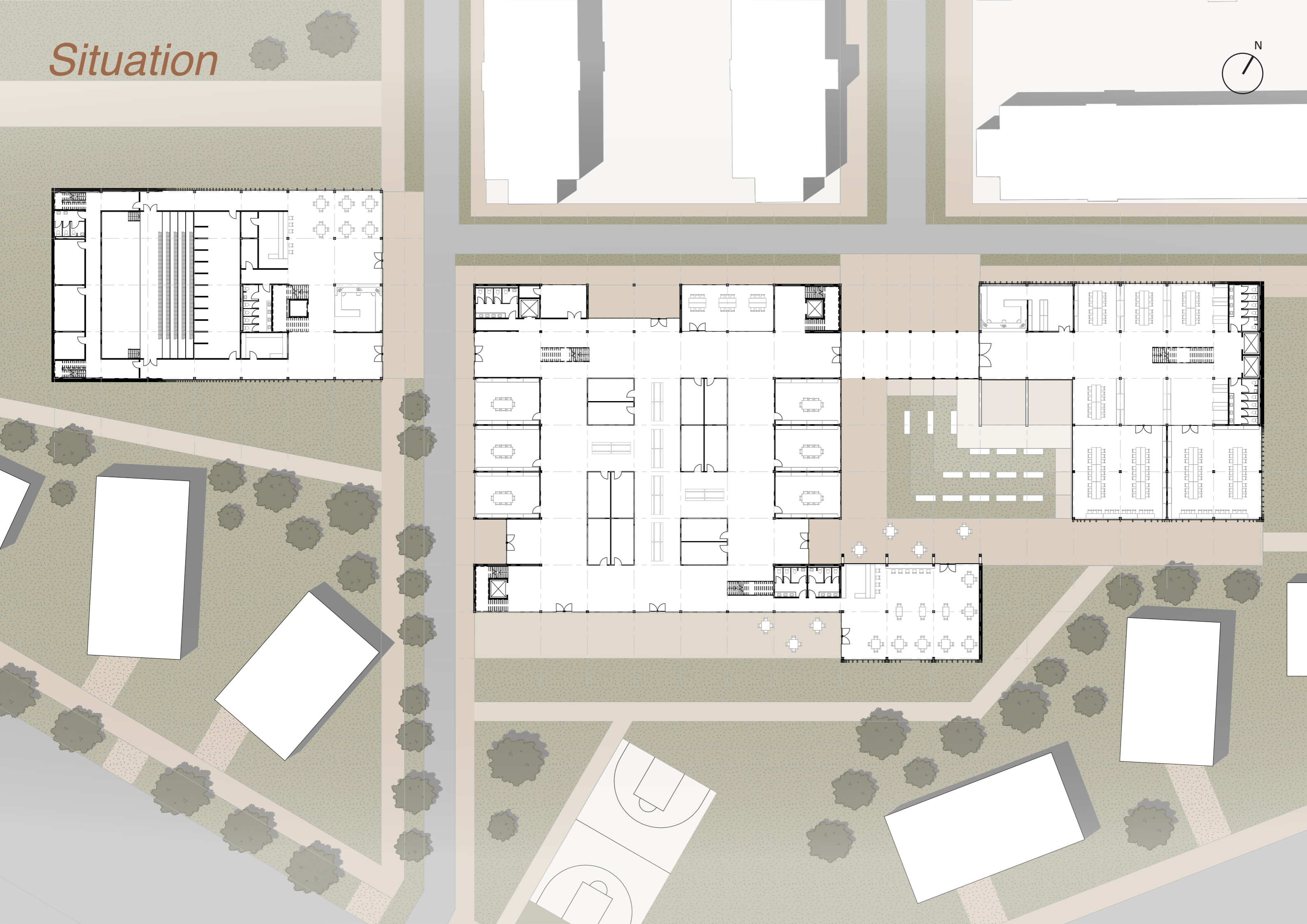


Section A 1:200



Section B 1:200

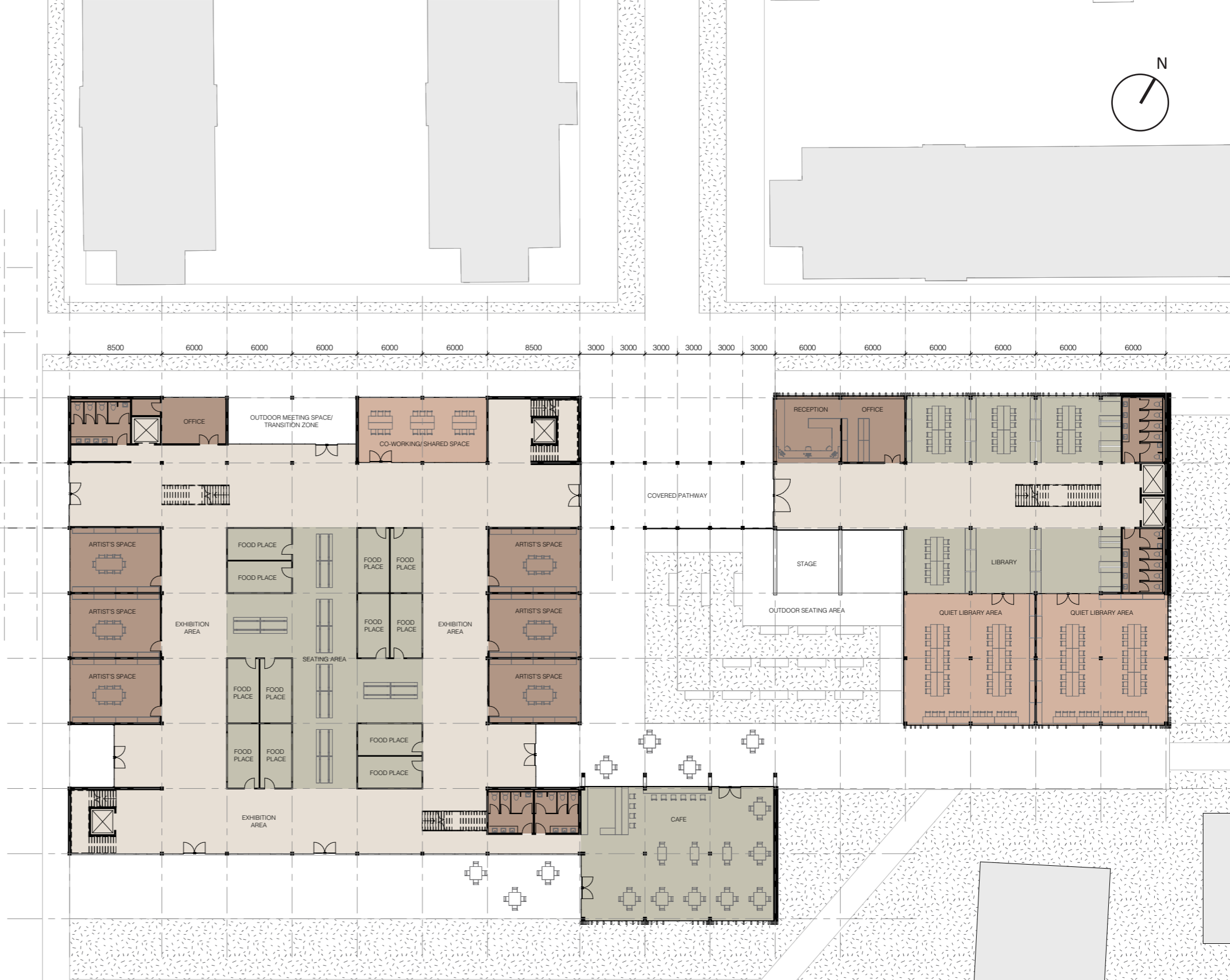
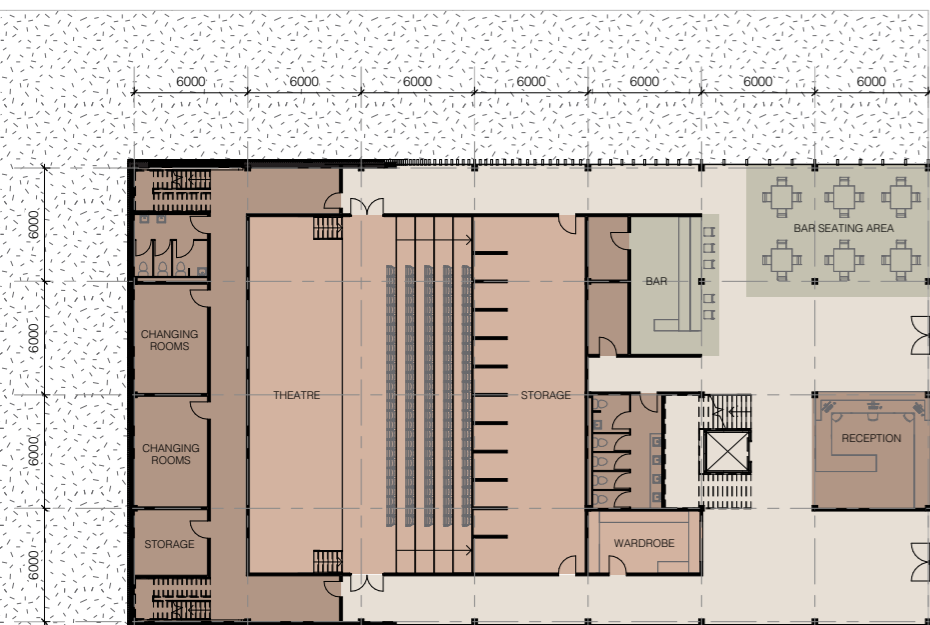
# Situation



# *Square Design*

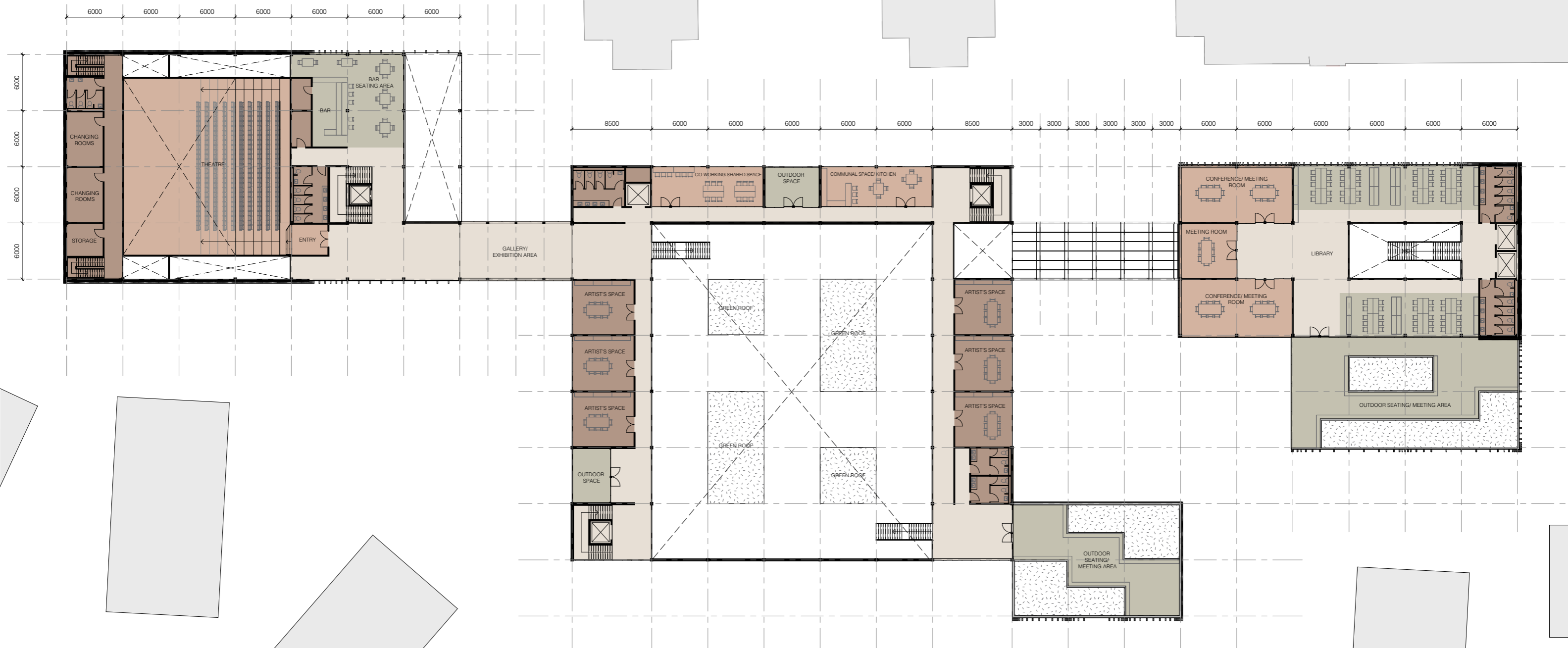





# Functions



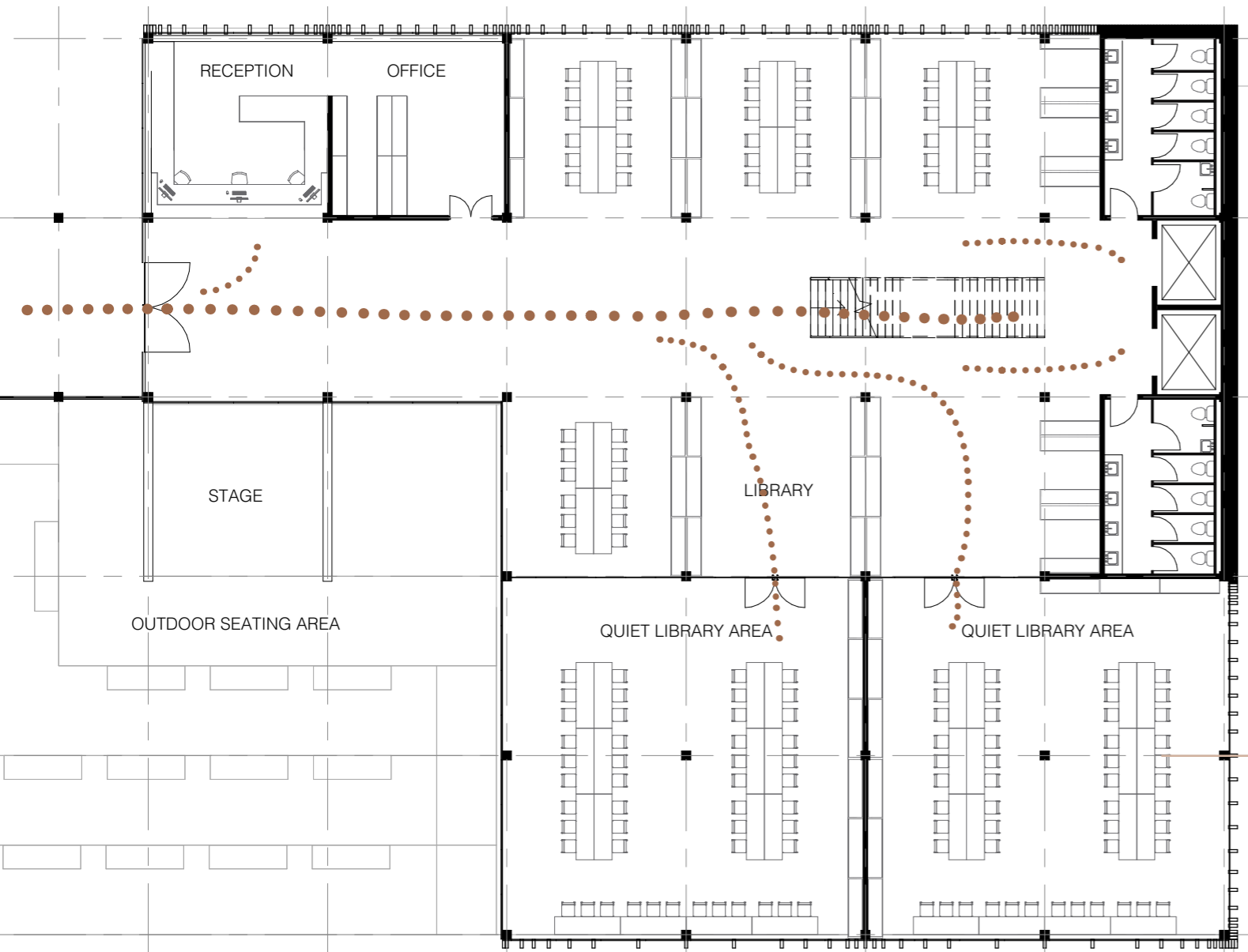
- Public/ Communal Zones
- Semi-Public/ Designated Zones
- Private/ Limited Access

# Functions

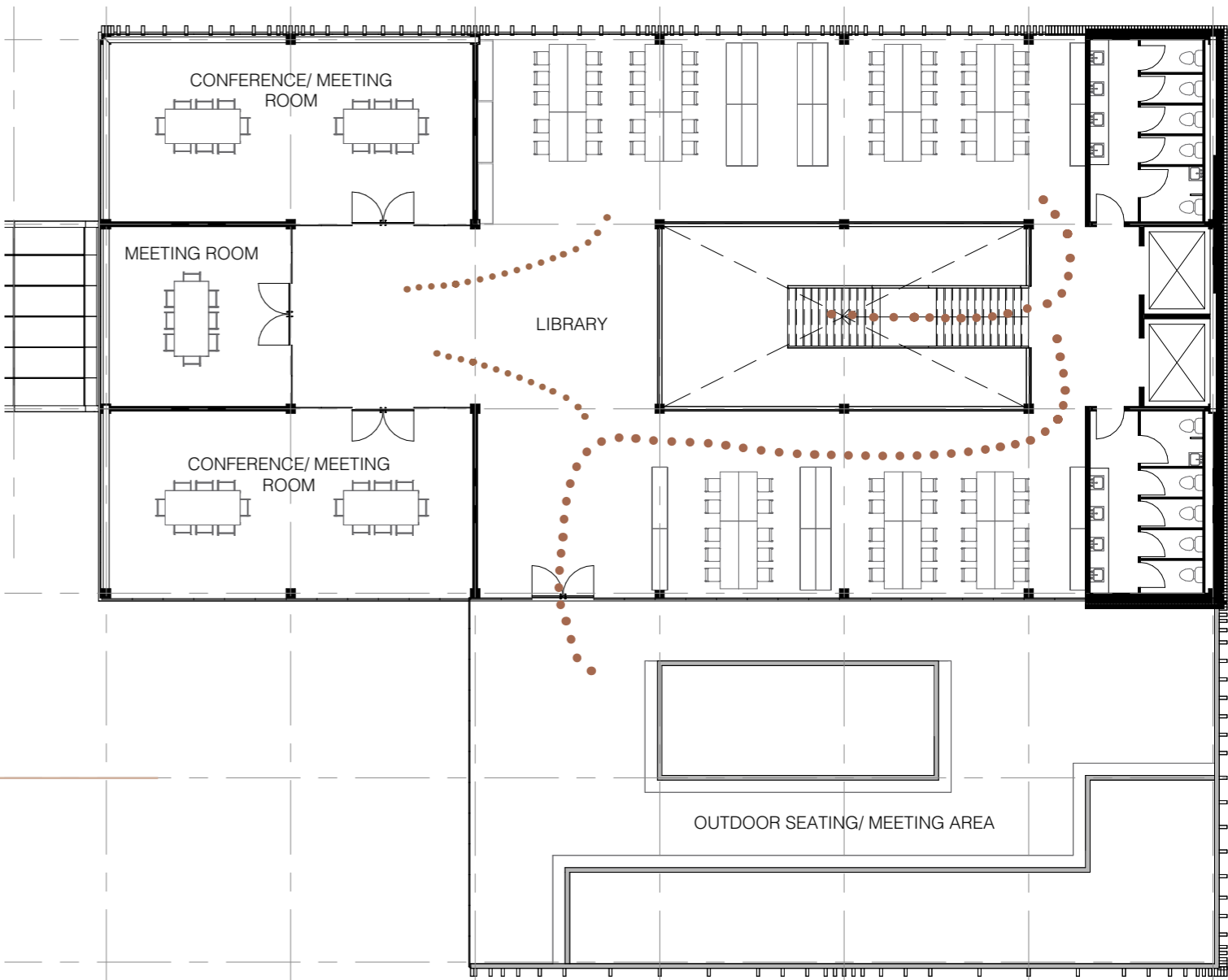


-  Public/ Communal Zones
-  Semi-Public/ Designated Zones
-  Private/ Limited Access

# Functions /library/



Ground Floor

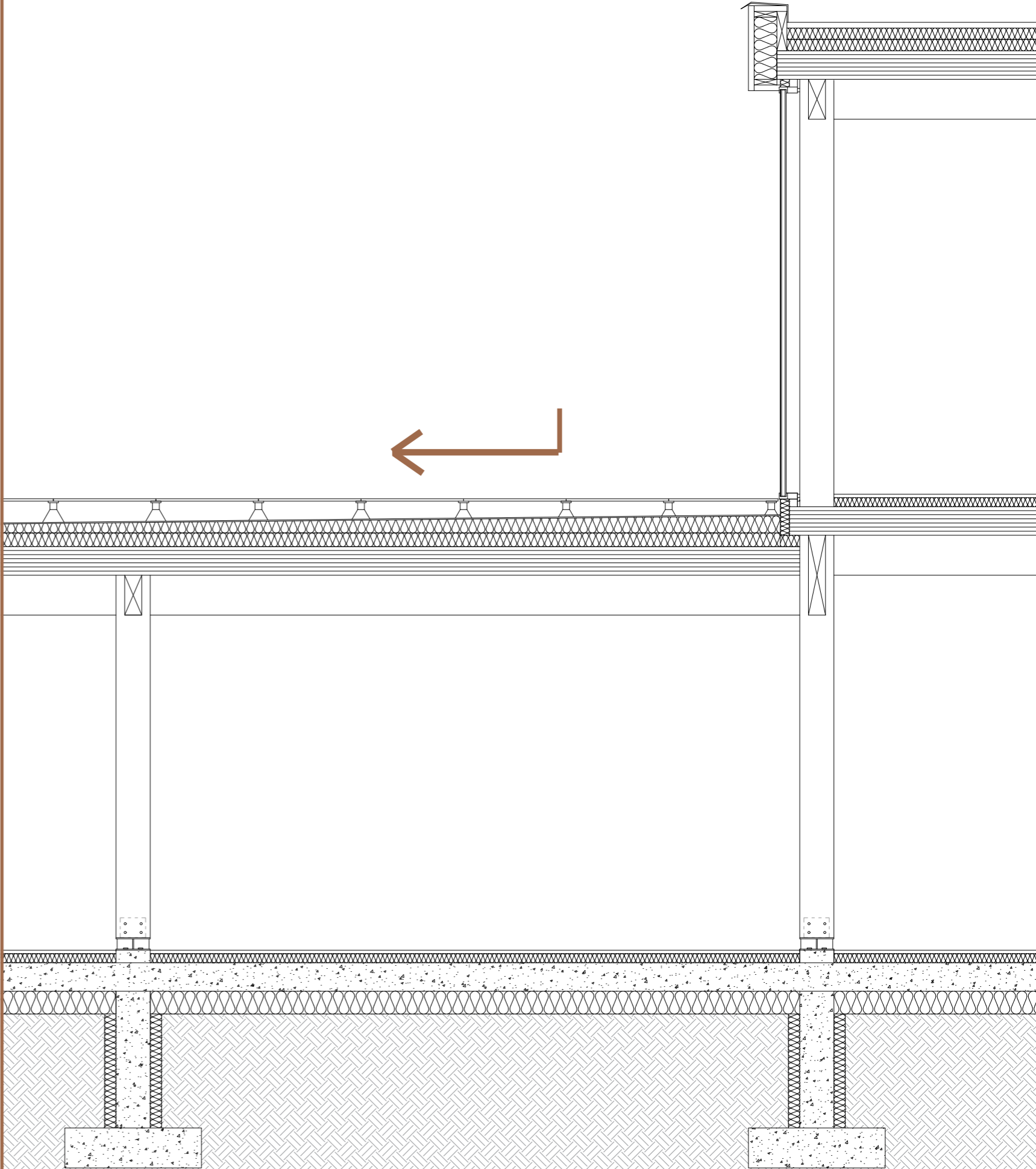
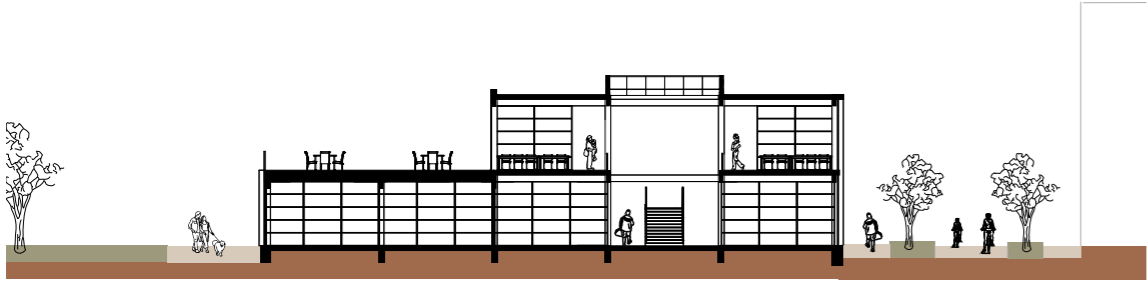


First Floor

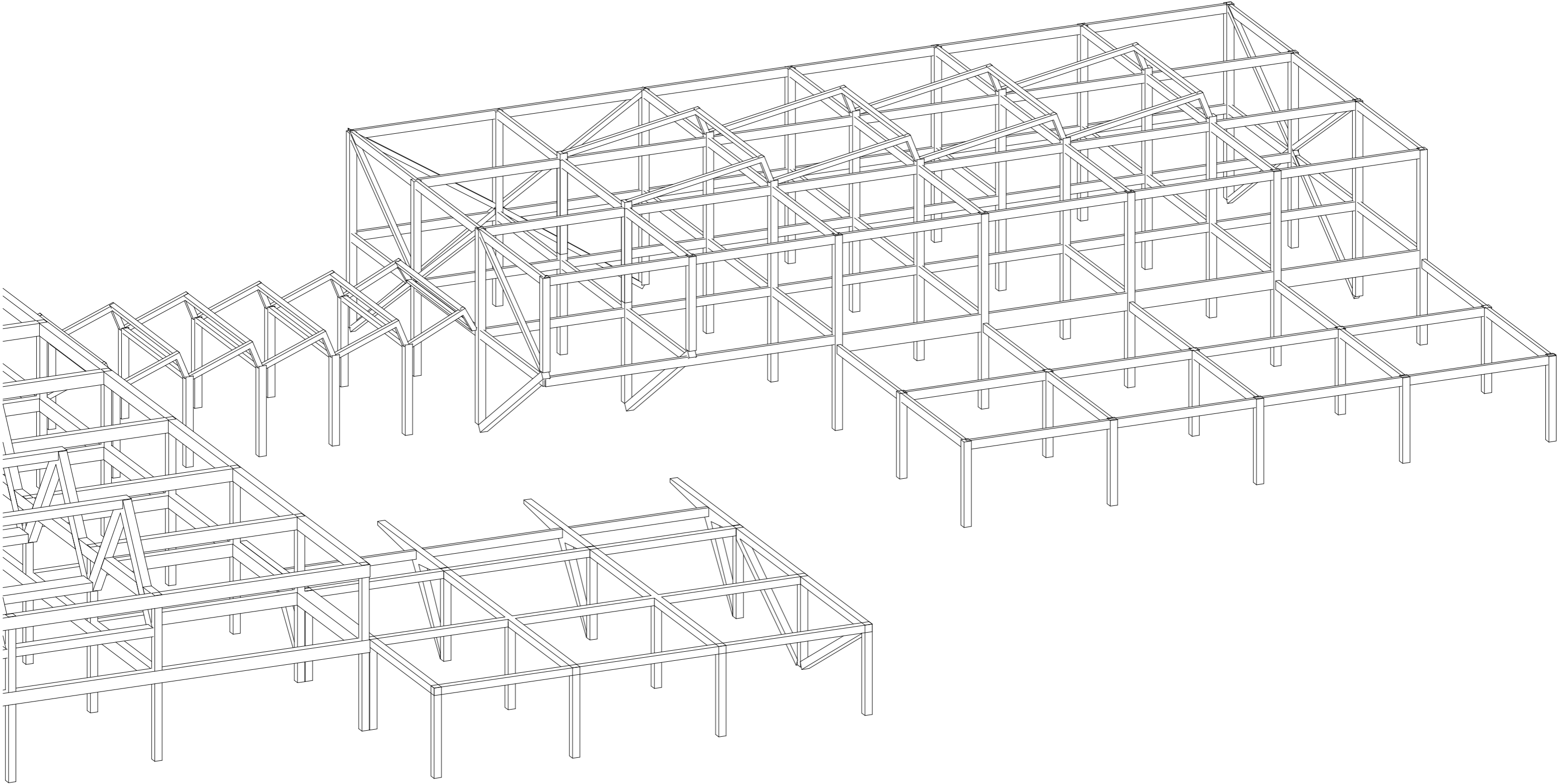
# *Fragment Design /library/*



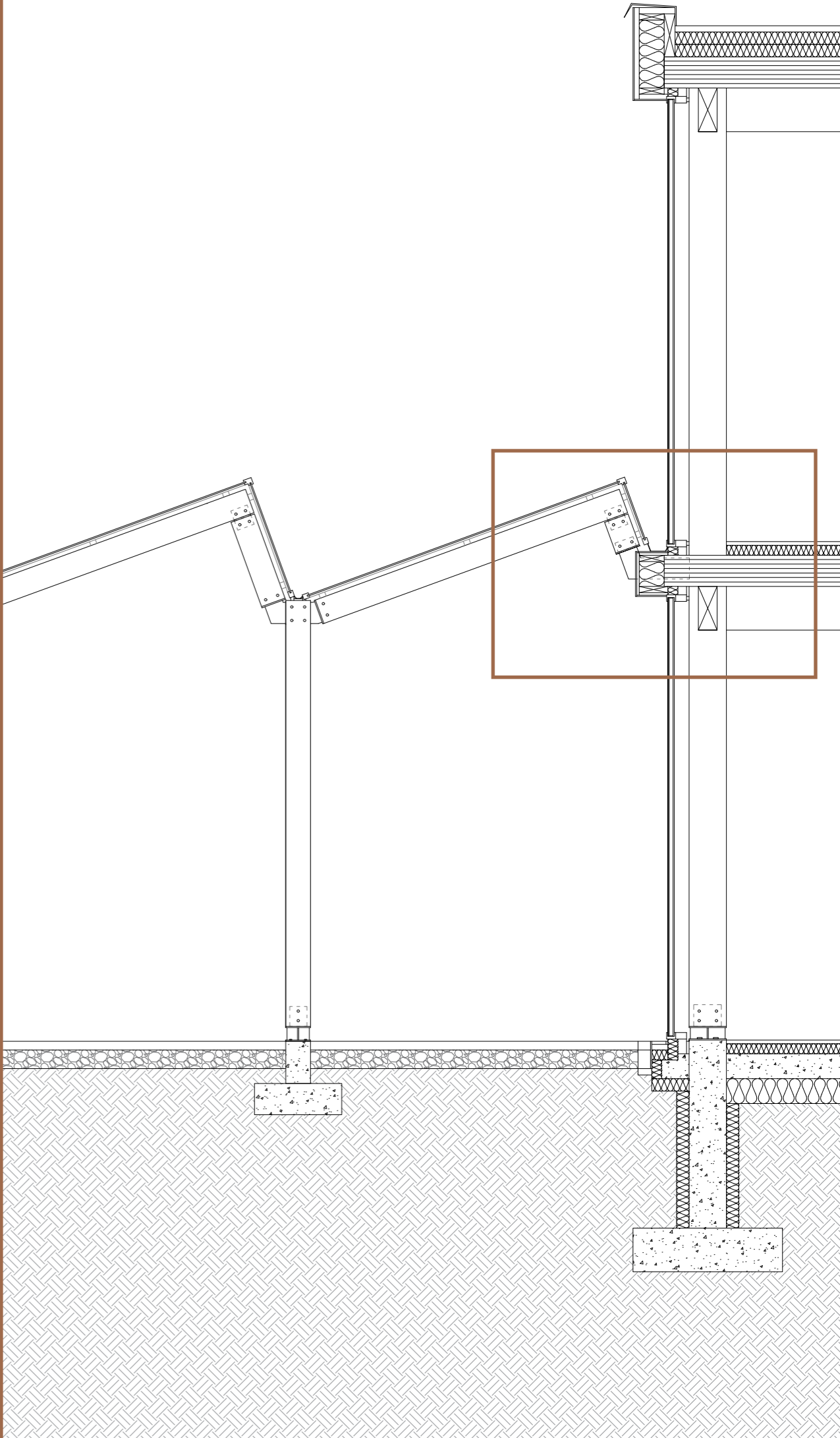
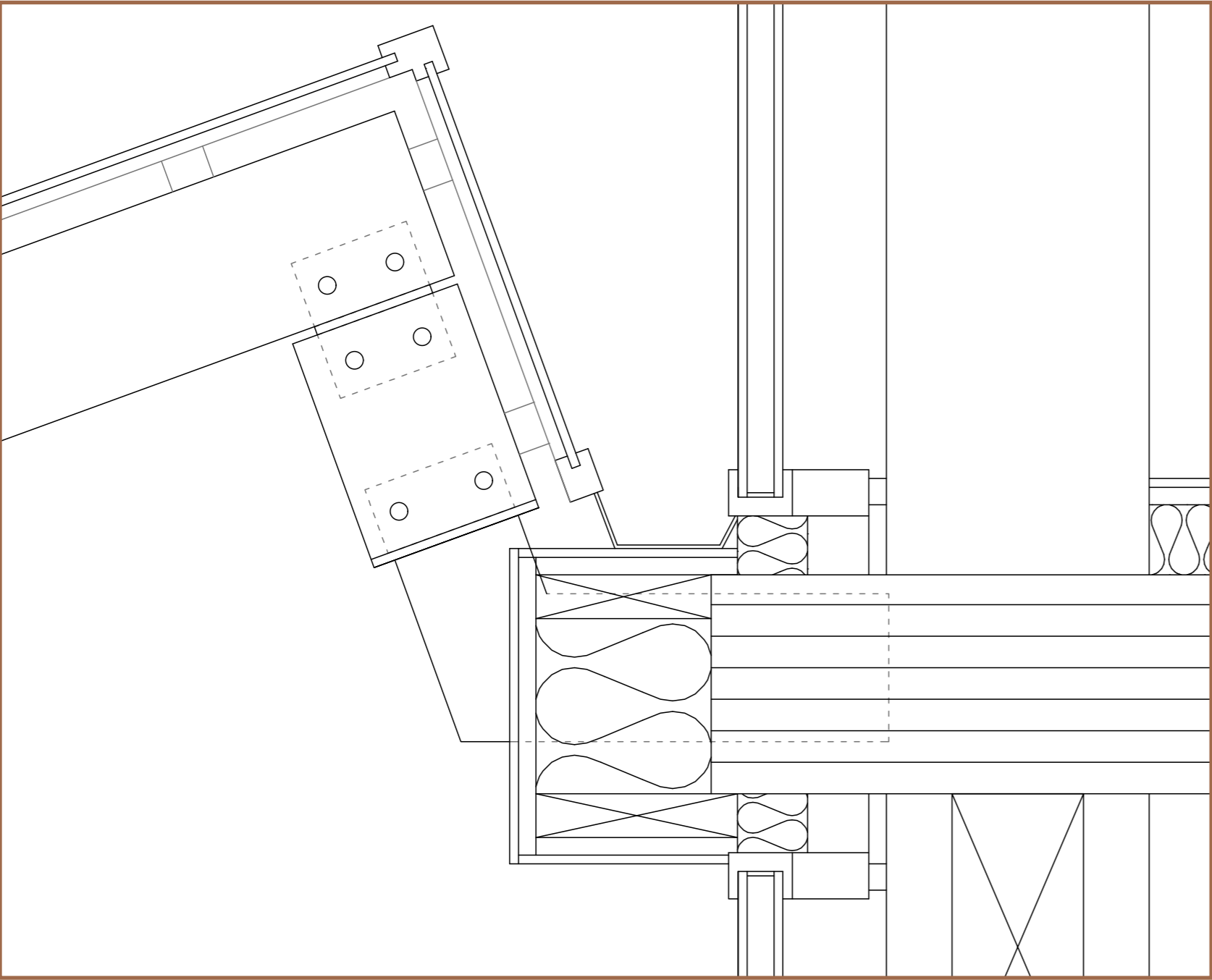
*Details /library/*



*Structure /library/*



Details /zig-zag/



# *Functions /food hall/*



Collage - Main Hall of Factory -> Food Hall

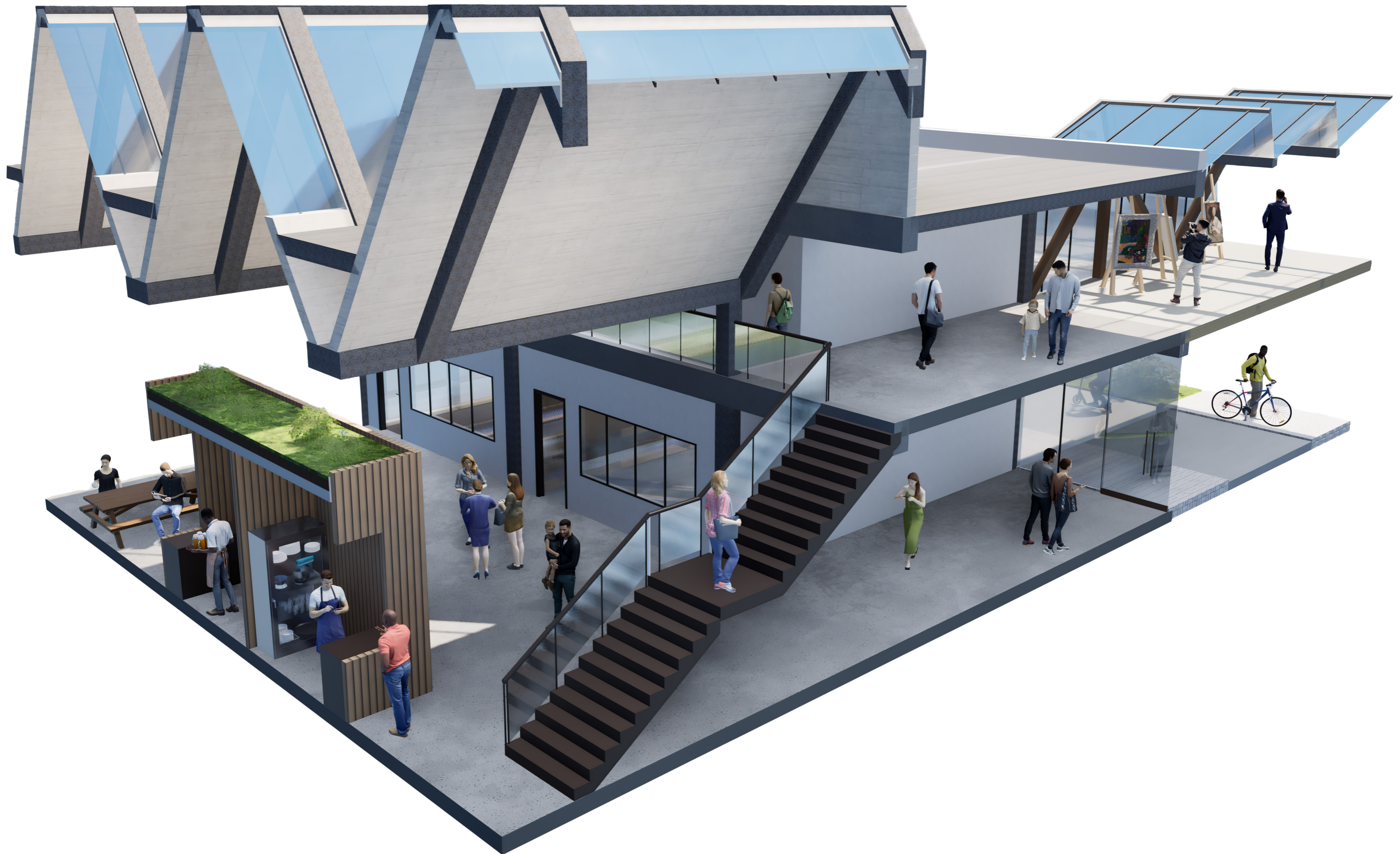


Opportunity of Biophilic Design on Roofs

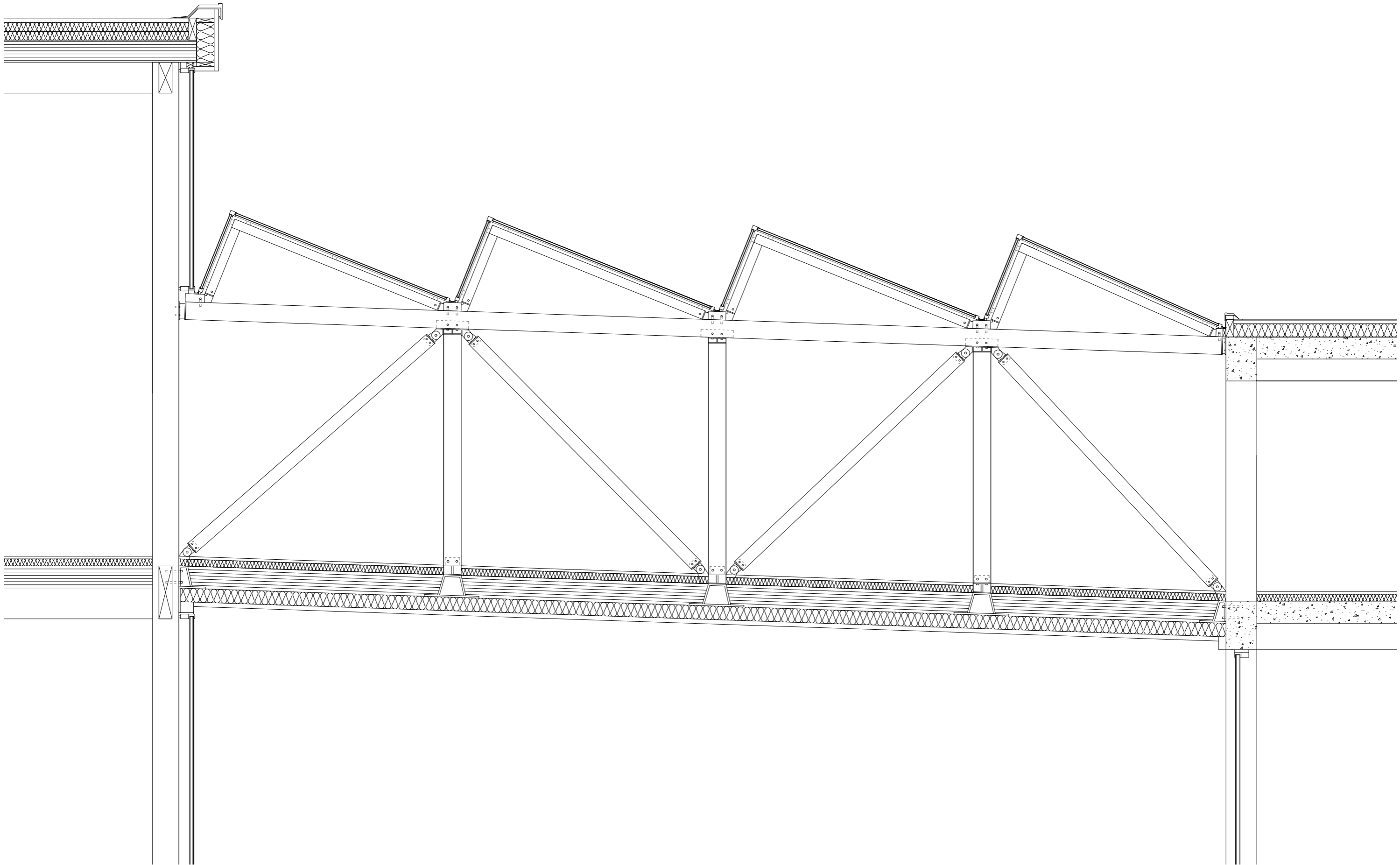


Modular Containers for Food Places/  
Easily Removable for Event Spaces in the  
Hall

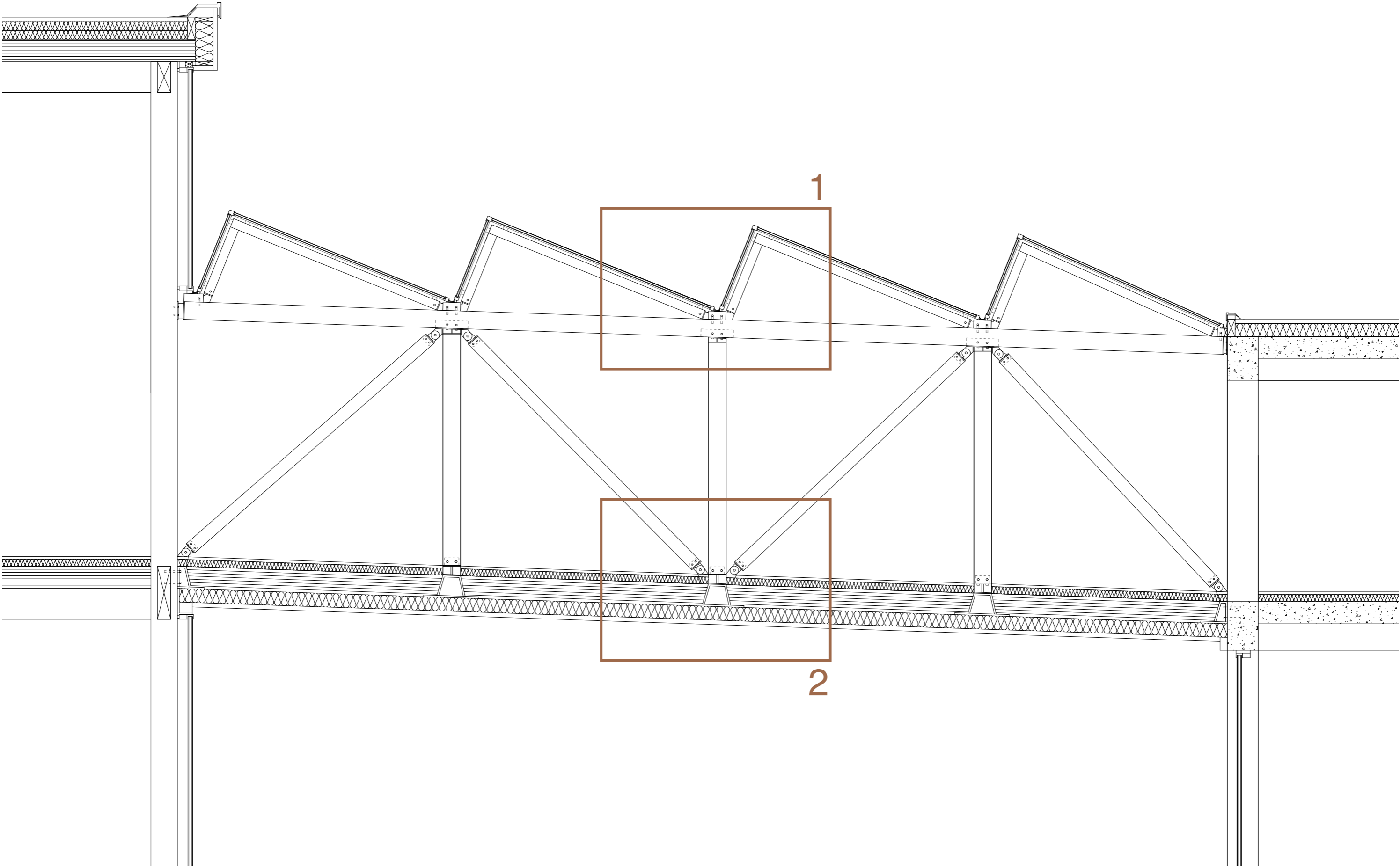
# *Fragment Design /factory/*



*Details /bridge/*



*Details /bridge/*



# Details /bridge/

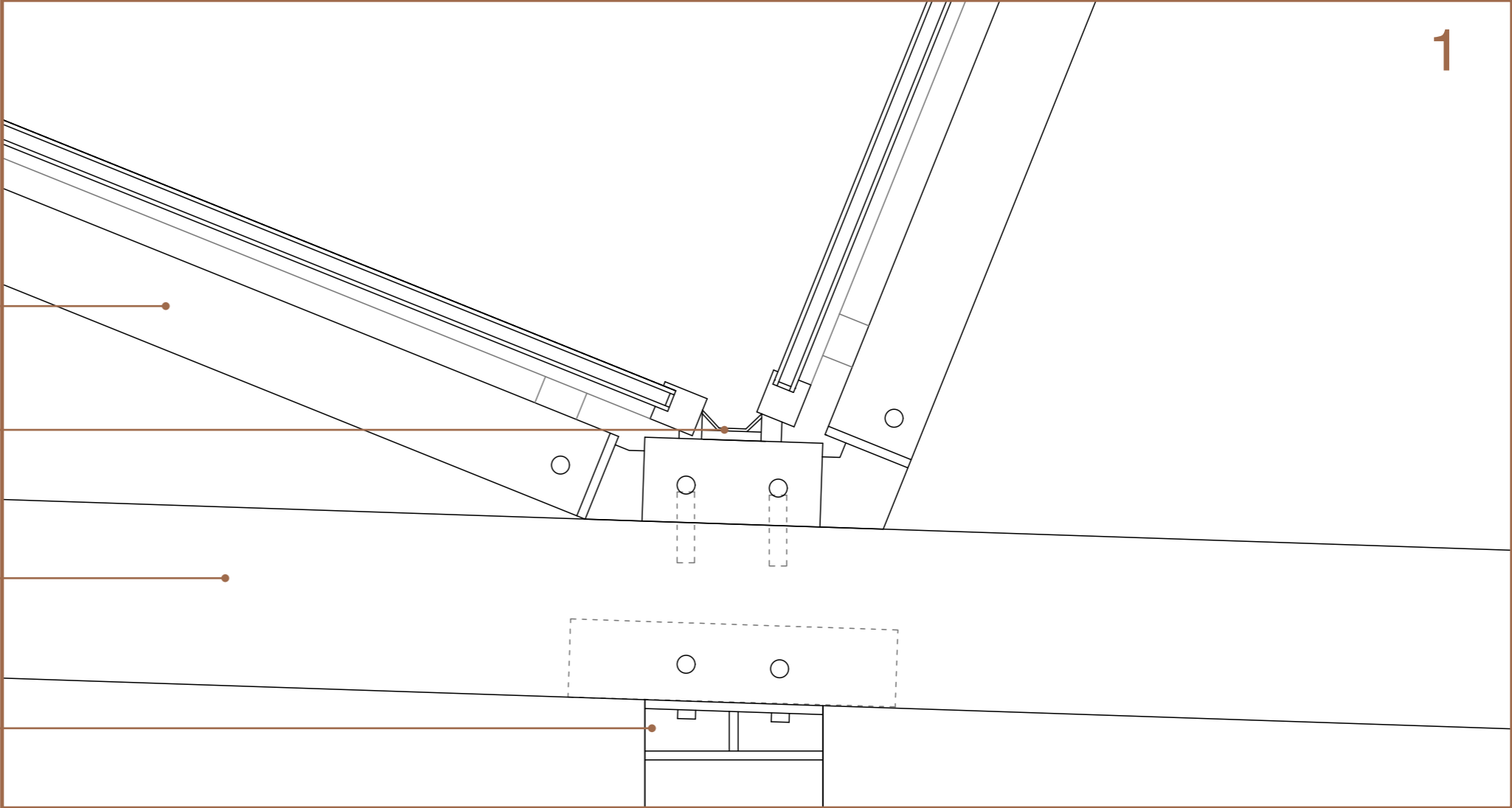
Lightweight Skylight  
Roof Construction

Gutter

Timber Beam

Steel Connection Plate

1



Timber Column

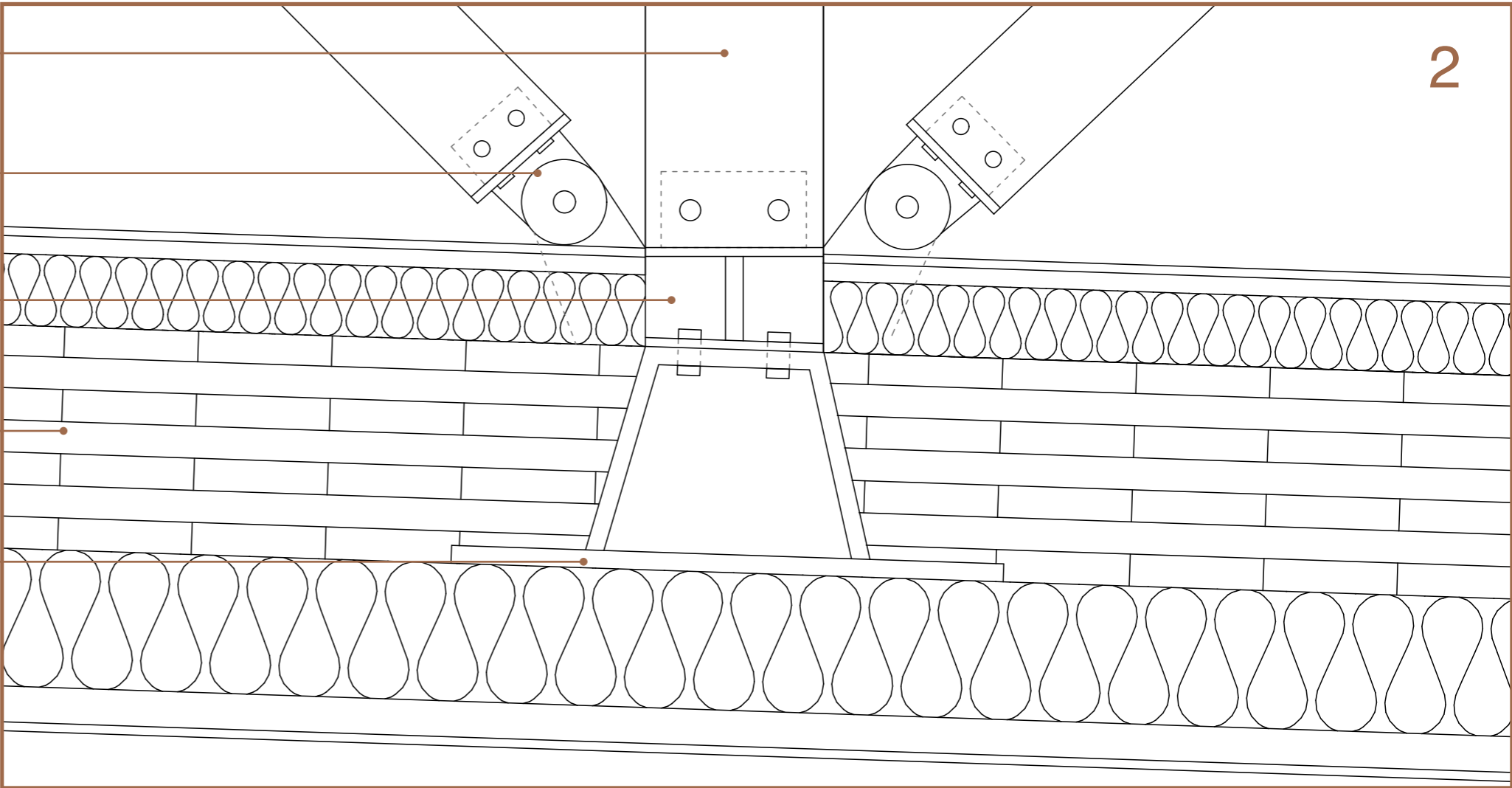
Hinge Connection

Steel Connection Plate

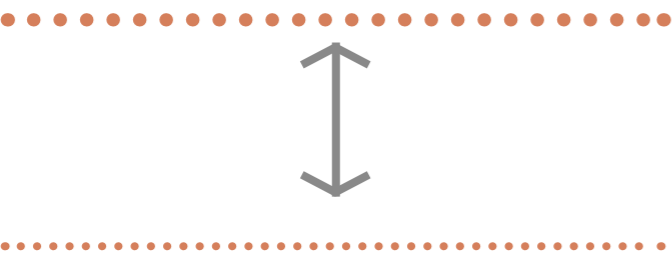
CLT Floor

Delta Beam

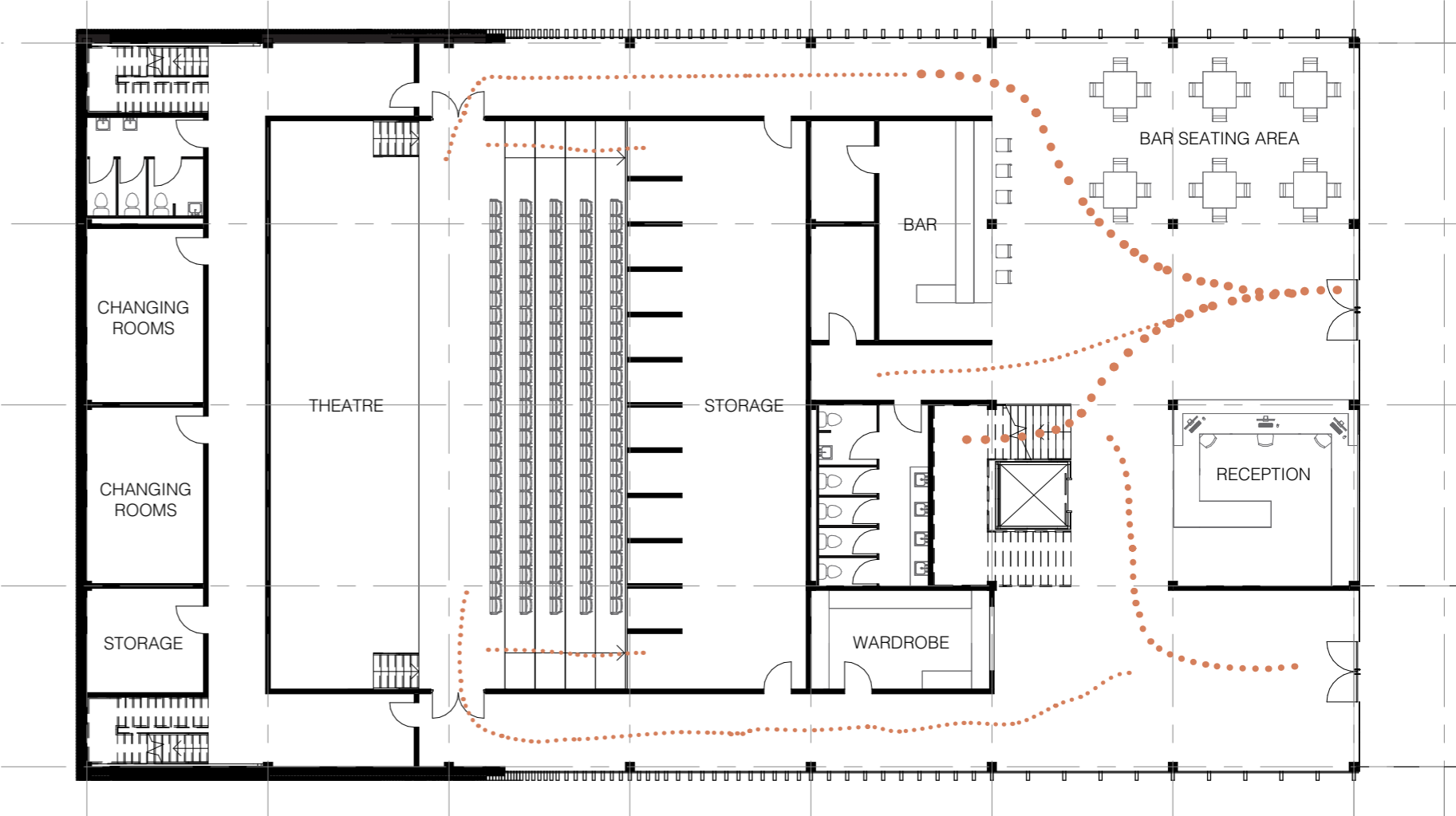
2



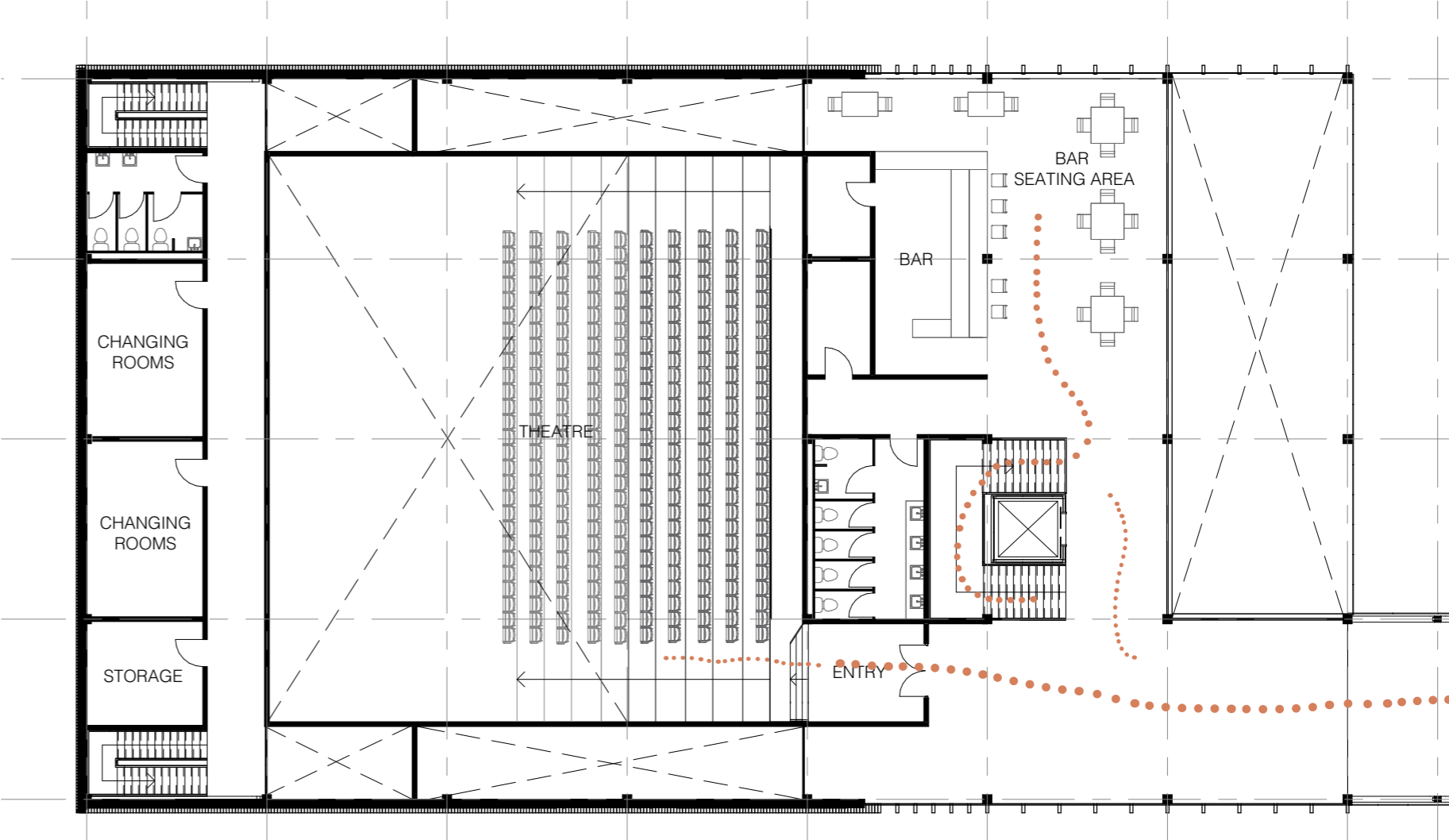
Functions /theatre/



ROUTE IMPORTANCE

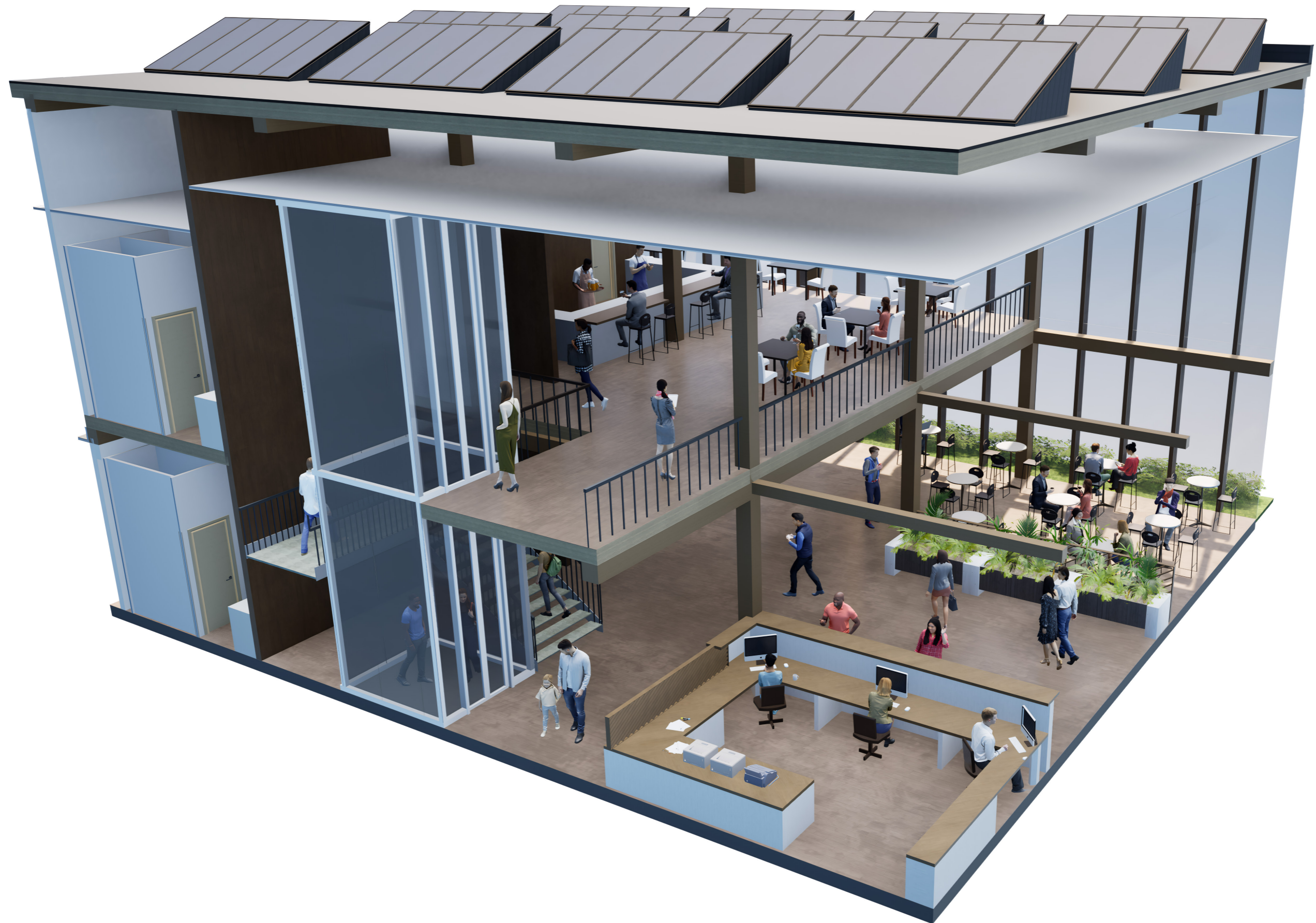


Ground Floor

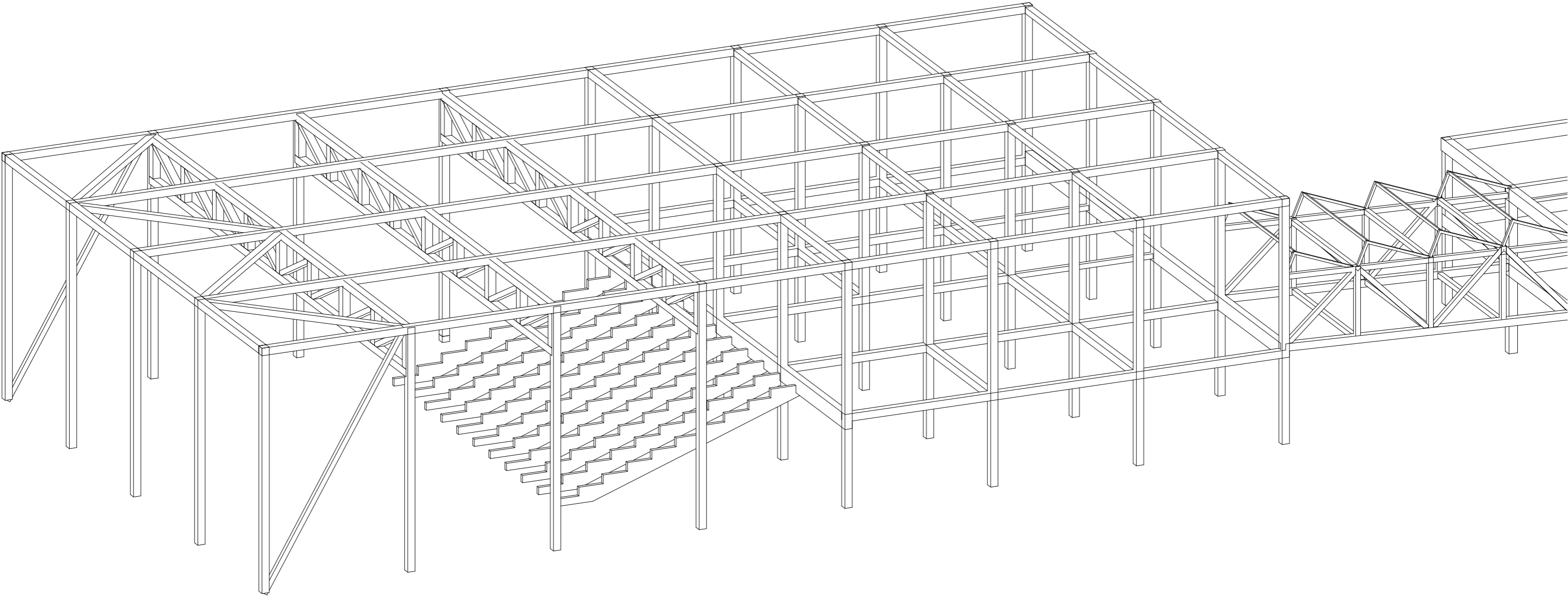


First Floor

# *Fragment Design /theatre/*



*Structure /theatre/*

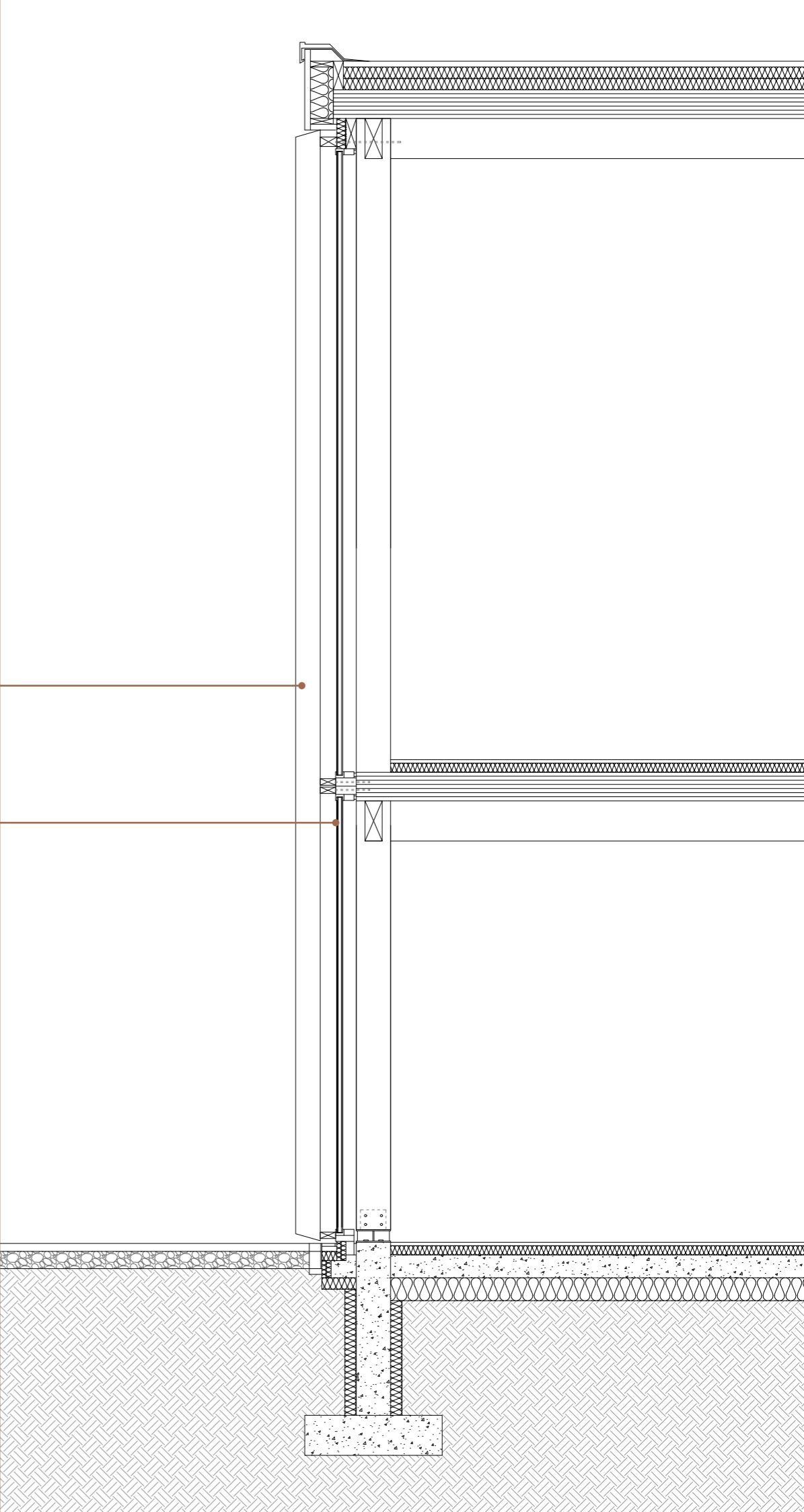


*Details /theatre/*

Wooden Slats



Curtain Wall



Facade Design

LEVELS OF OPENNESS



WOODEN SLATS



North Elevation 1:200



close

open



close

Facade Design

LEVELS OF OPENNESS



WOODEN SLATS



South Elevation 1:200



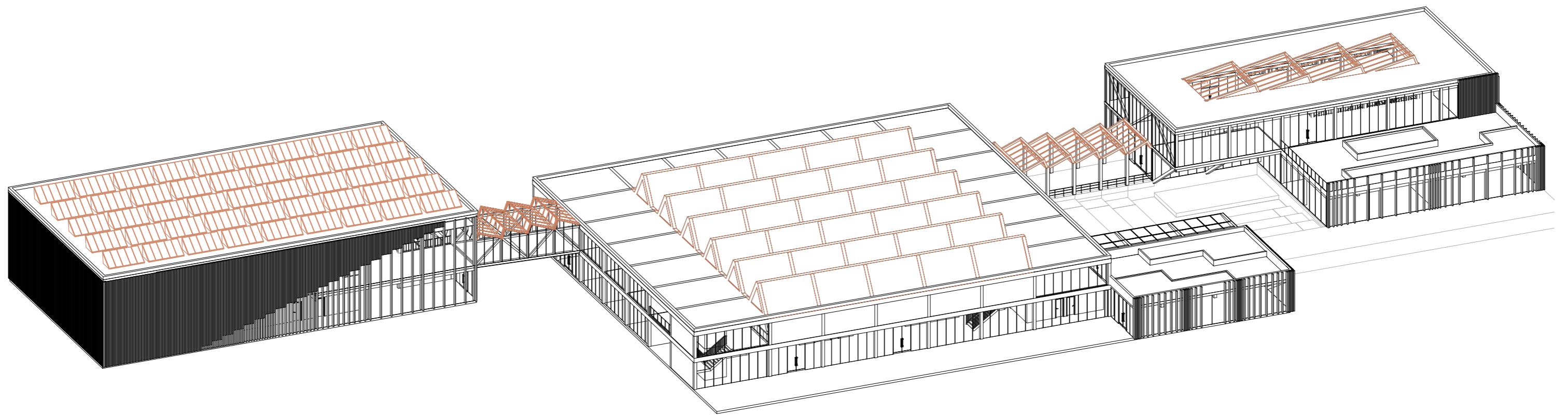
close

open

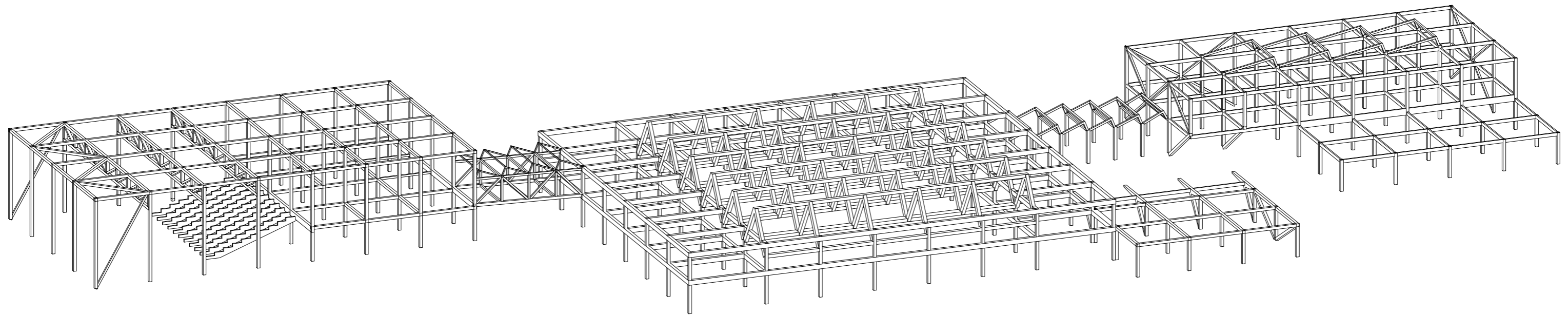


close

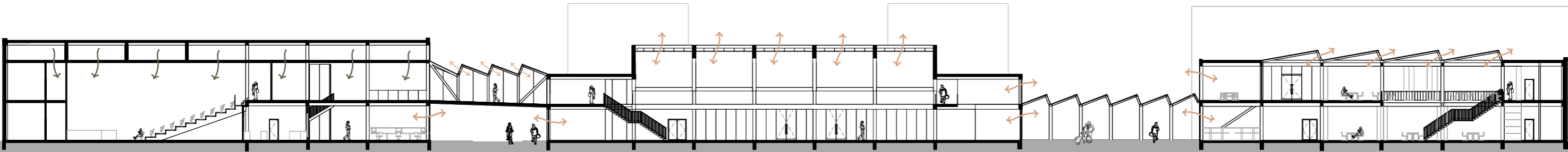
# *Multiplicity /zig-zag/*



# *Multiplicity /zig-zag/*



*Climate Design /ventilation/*



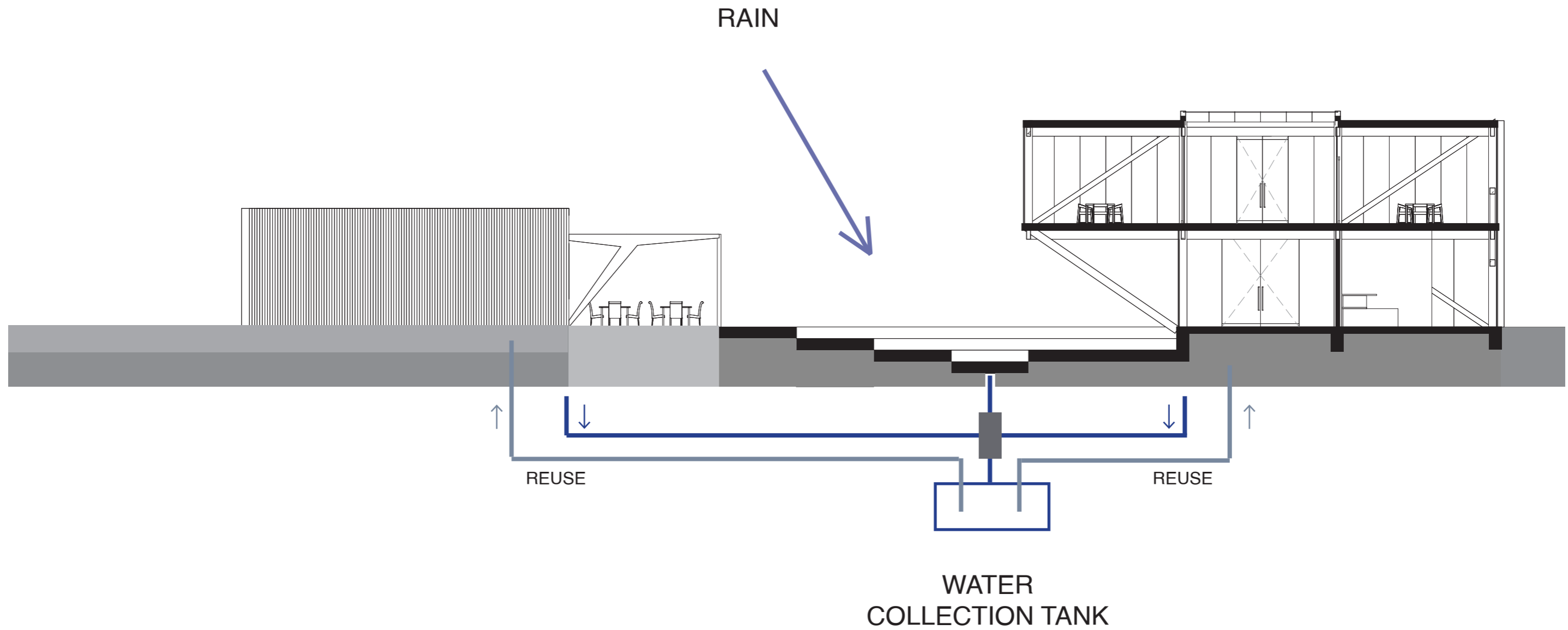
NATURAL VENTILATION



HVAC



# *Climate Design /water collection/*



# *Fostering Social Inclusion*

