



THE MIDDLE GROUND

Of Social Debate

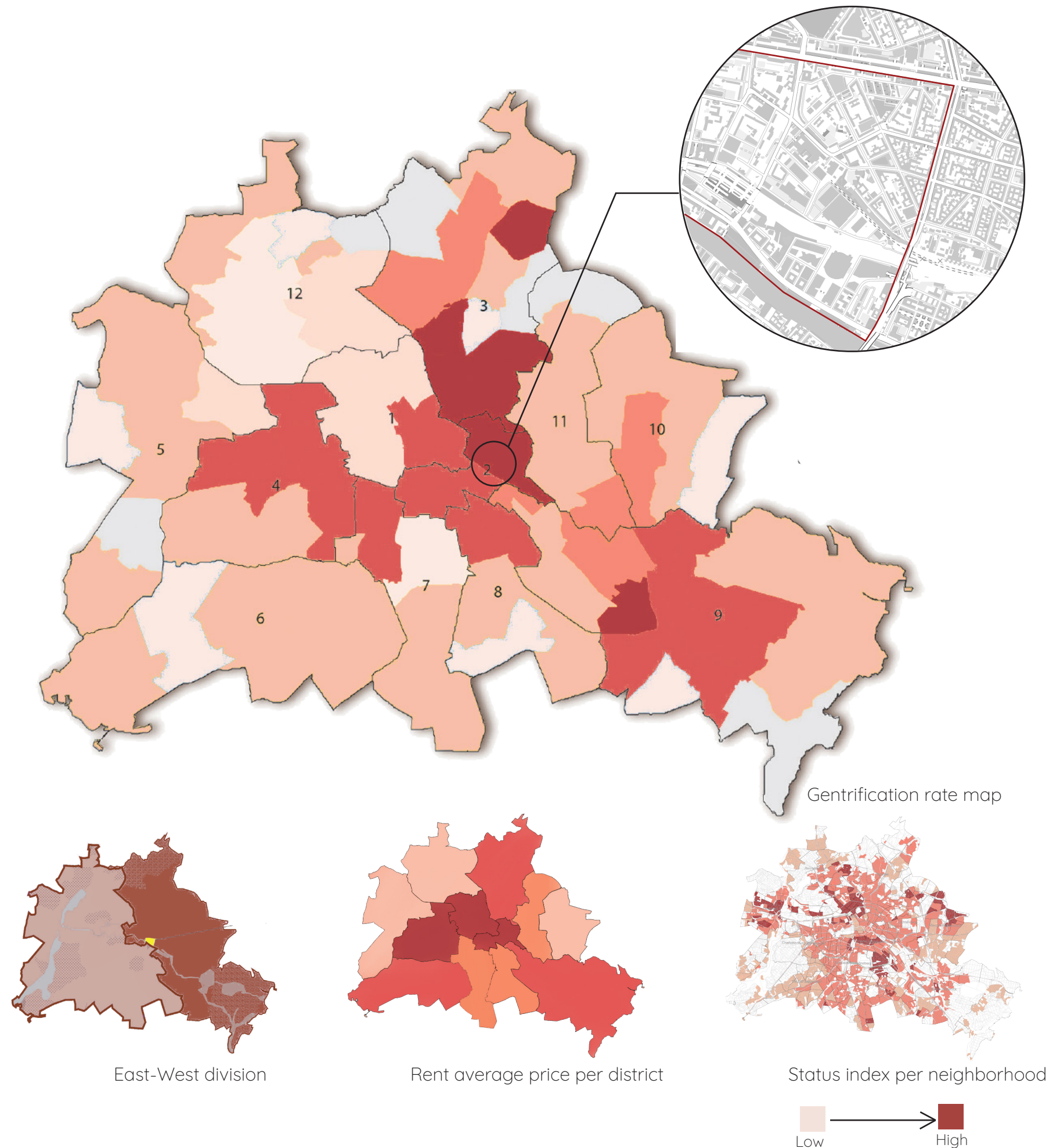
P5 Presentation
Public Building Graduation Studio
2022-2023 (AR3AP100)
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Warries, Sang Lee

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Student number: 4853679

Research - City Scale

Key Findings

- Berlin still resemble the division between east and west
- Highly divided city from a socio-economical point of view
- Friedrichshain is the most affected neighborhood by the gentrification process
- The status index shows a strong discrepancy within the district.



Research - District Scale

Key Findings

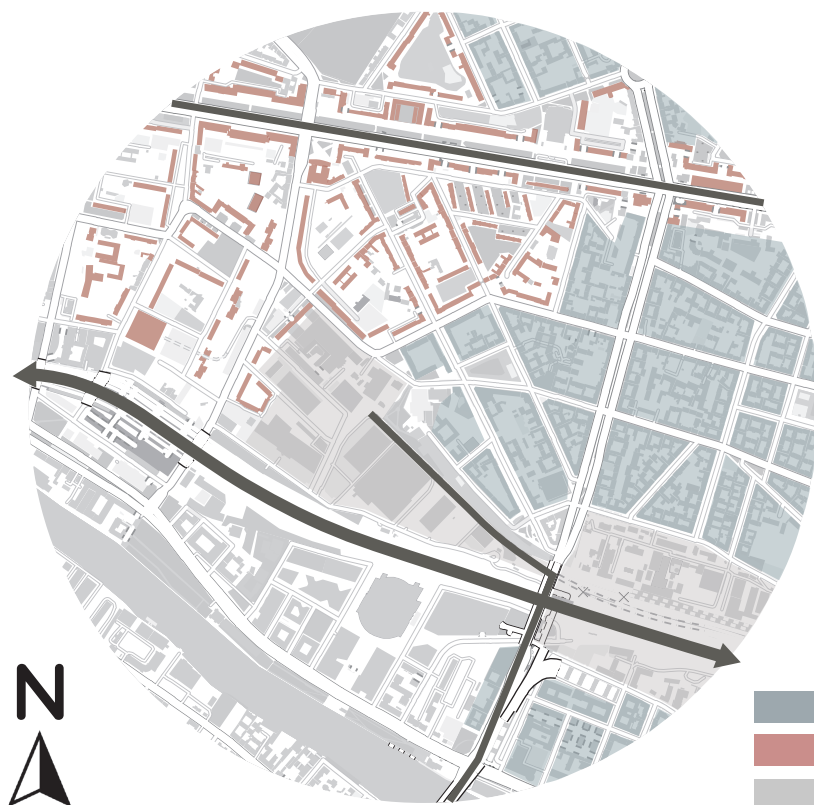
- Highly interconnected with the rest of the city
- Fragmented neighborhood from a typological point of view
- Affected by the Gentrification process
- Strong divisions between different socio-economical groups



Car main routes
Public transport routes



Parks
Green Space



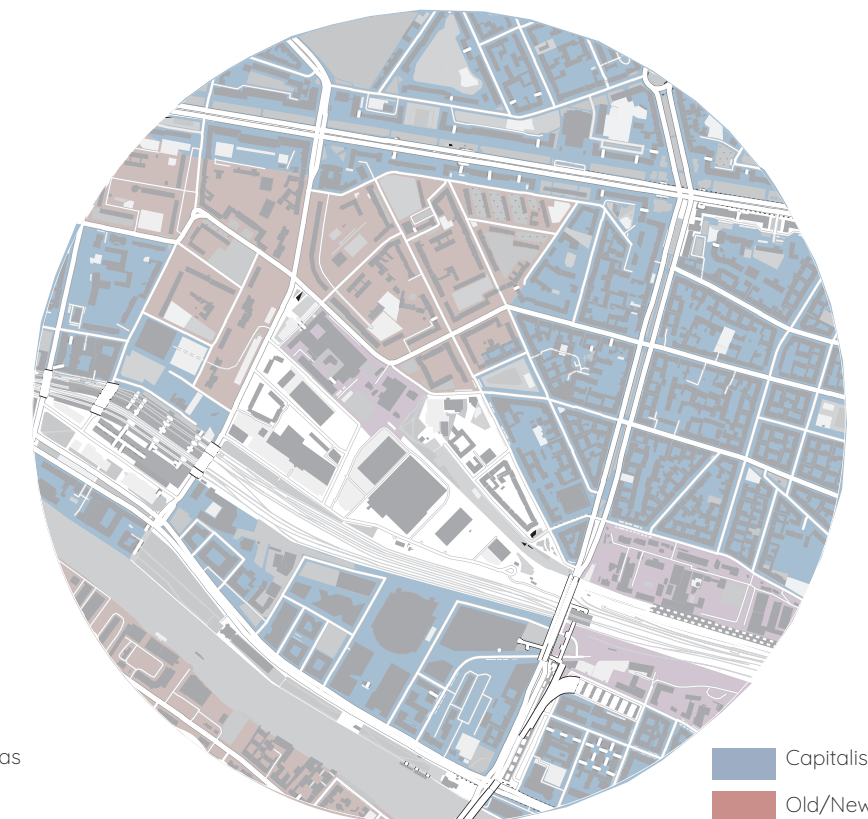
District fragmentation

Building blocks
Modernist buildings
Industrial buildings
Train track



District gentrification

Gentrified areas



District social groups distribution

Capitalists
Old/New Socialists
Squatters/Homeless people

Interviews



- Enjoys the mix and tolerance between the different groups
- He thinks that the new gentrification projects are destroying the character of the neighborhood
- Would prefer more gathering spaces where he can interact with other people from the neighborhood



- Quiet neighborhood close to the center and the Volkspark Friedrichshain park
- Enjoys the abundance of green space and people
- Would add more gathering spaces such as cafes, art shows, and refugees center to integrate them into the neighborhood



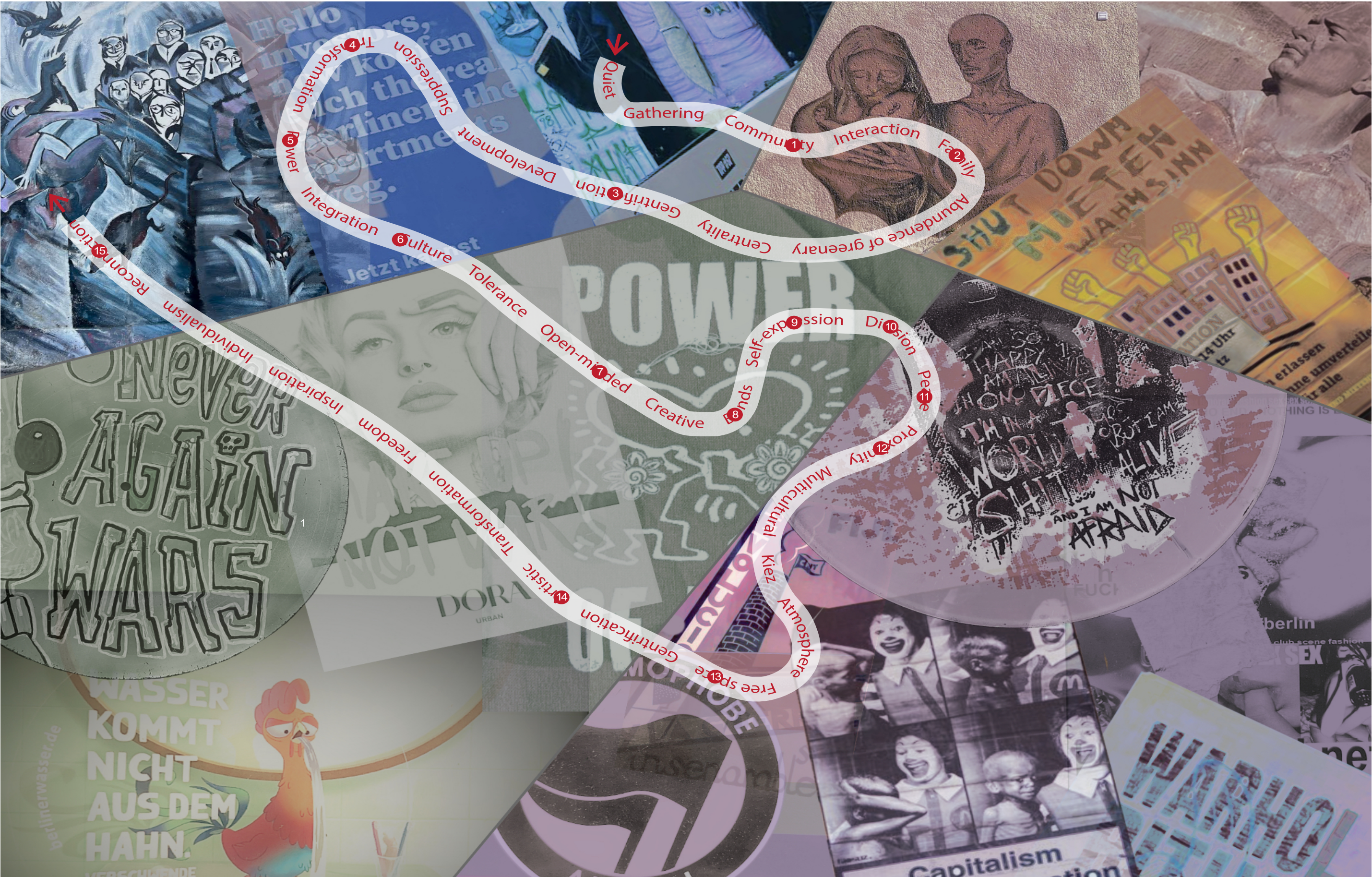
- Rich art scene and the only area representing the old Berlin style
- Enjoys the joint gardening projects, the construction of insects and small animals habitats
- The area used to have an abandoned mall building that was transformed into an exhibition space for the local artists.
- Would add art studios and music performance spaces

- Tolerant neighborhood with open-minded people that help and understand each other
- Enjoys the parties, clubs, and freedom that surround the neighborhood and creates strong bonds with people in the city
- Main wish is to be accepted by the community, an open-minded place where he can express himself



- Enjoys the mix and tolerance between the different groups
- He thinks that the new gentrification projects are destroying the character of the neighborhood
- Would prefer more gathering spaces where he can interact with other people from the neighborhood

Conceptual Research Map



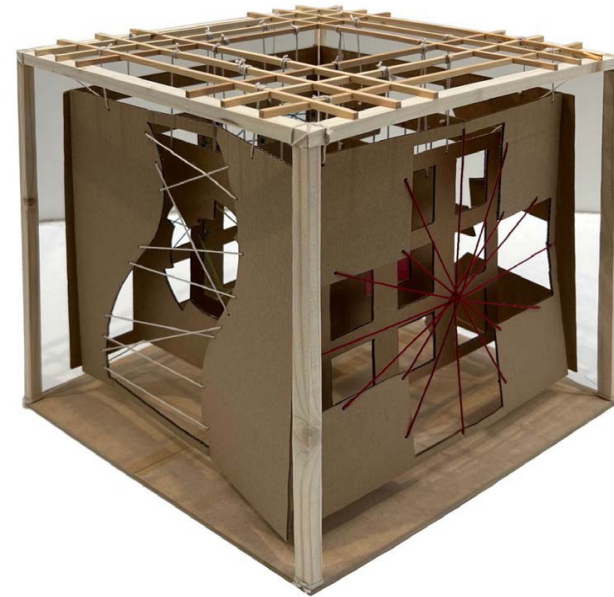
Problem Statement

Key Findings

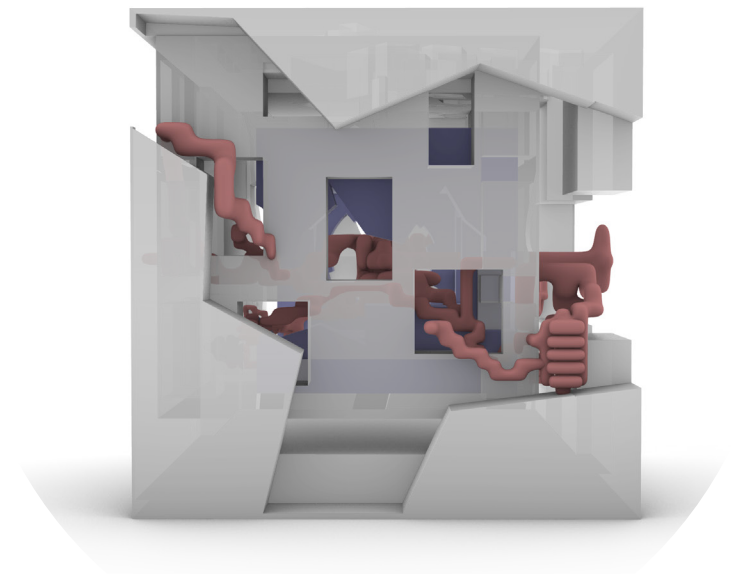
The turmoil history of Berlin is a history of **clashes between ideologies**. This created a divided city not only from an architectural point of view but also from a socio-political background.

The ideological background of the residents is the result of the **combination of shared beliefs** regarding religious, cultural, and societal self-identification.

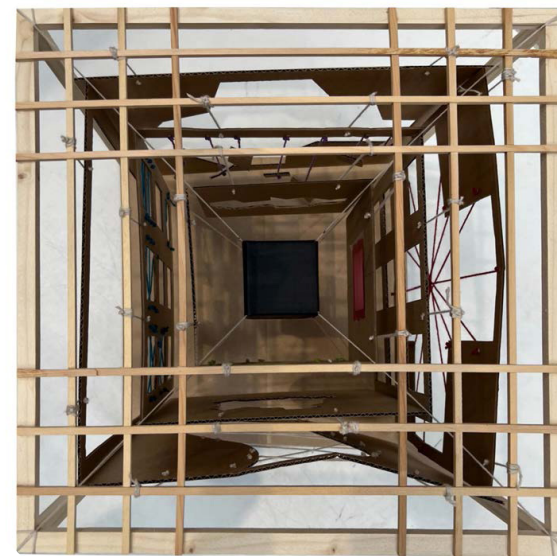
Ideology represents a prism through which people can deal with real social-political problems.



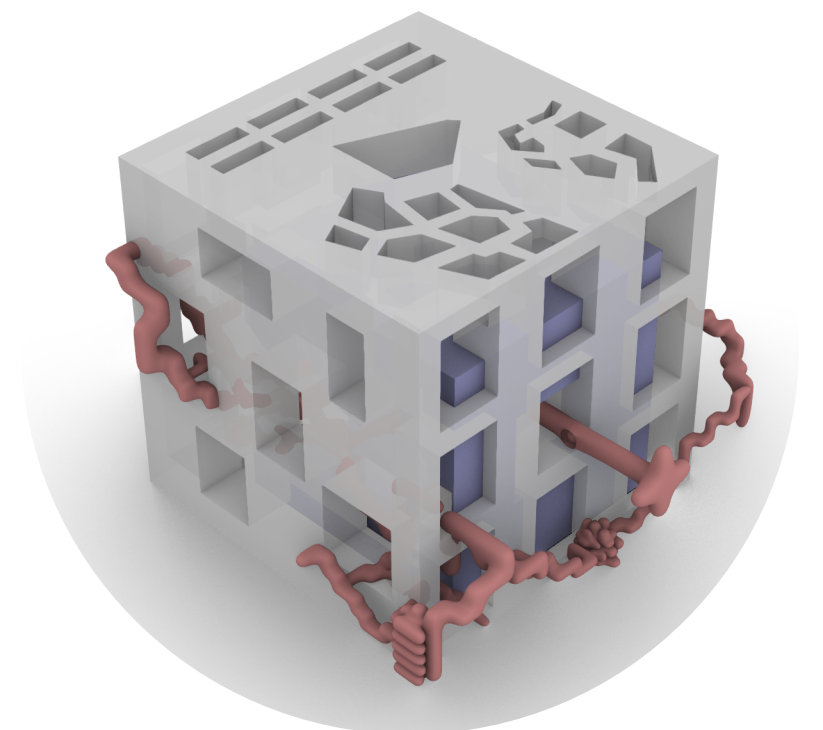
Physical conceptual model



Digital conceptual model



Physical conceptual model

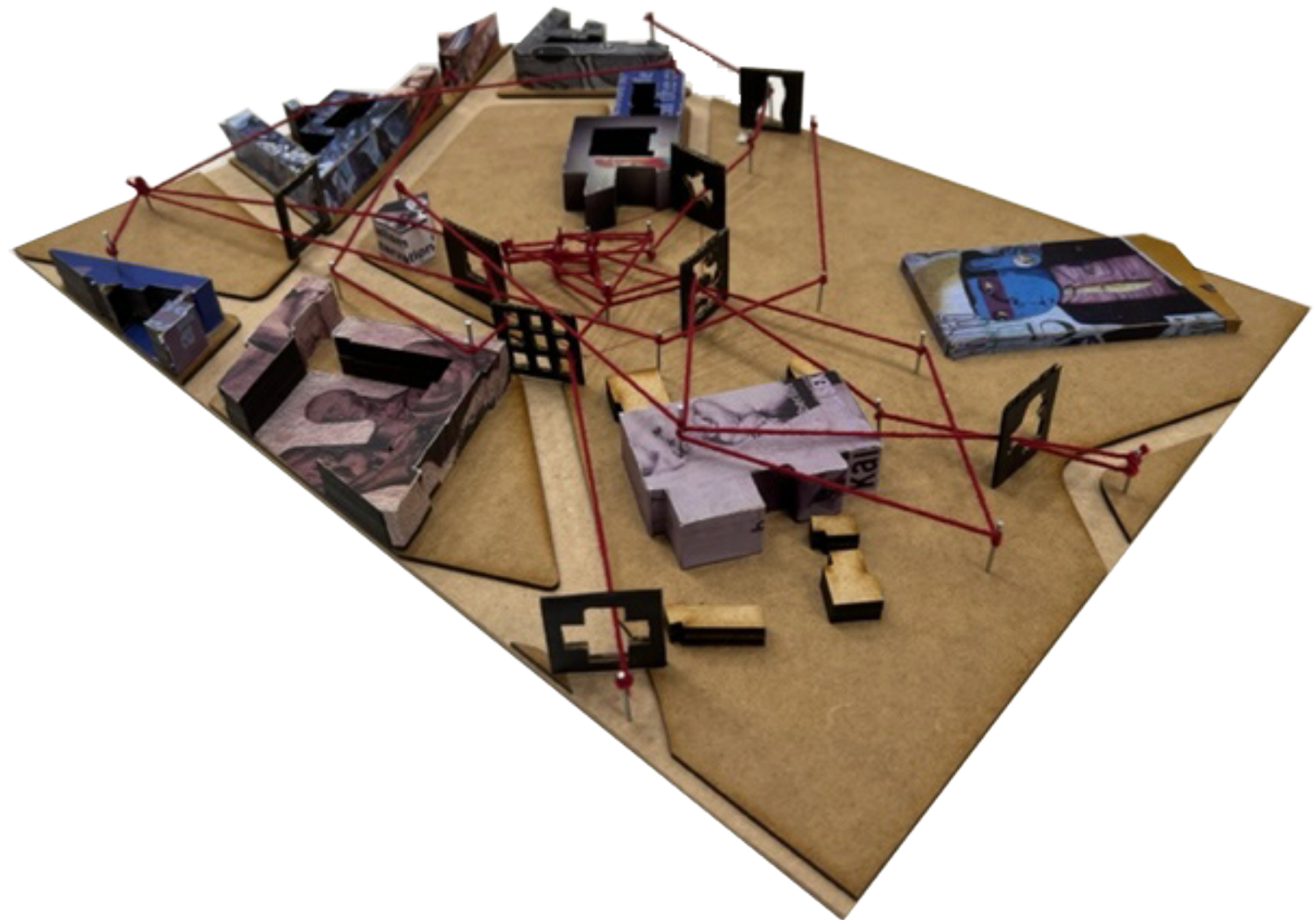


Digital conceptual model

Research - Site Remix

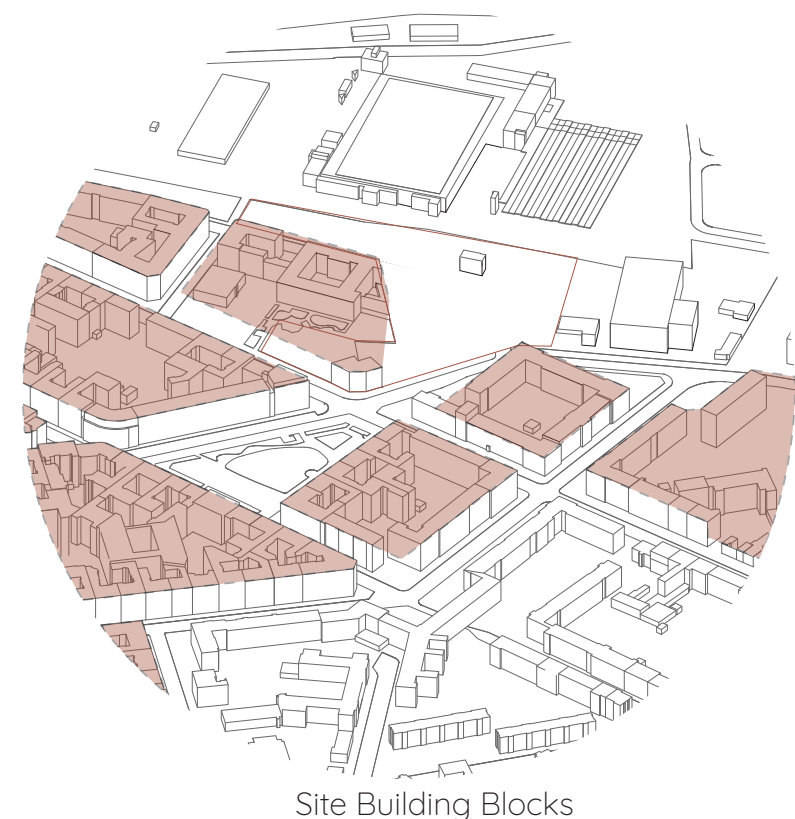
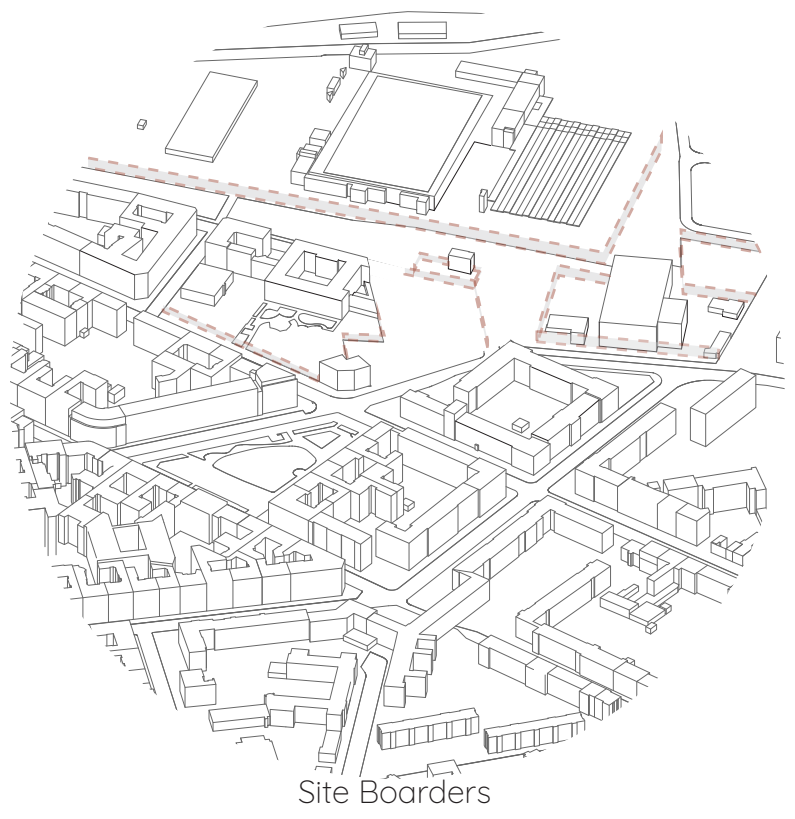
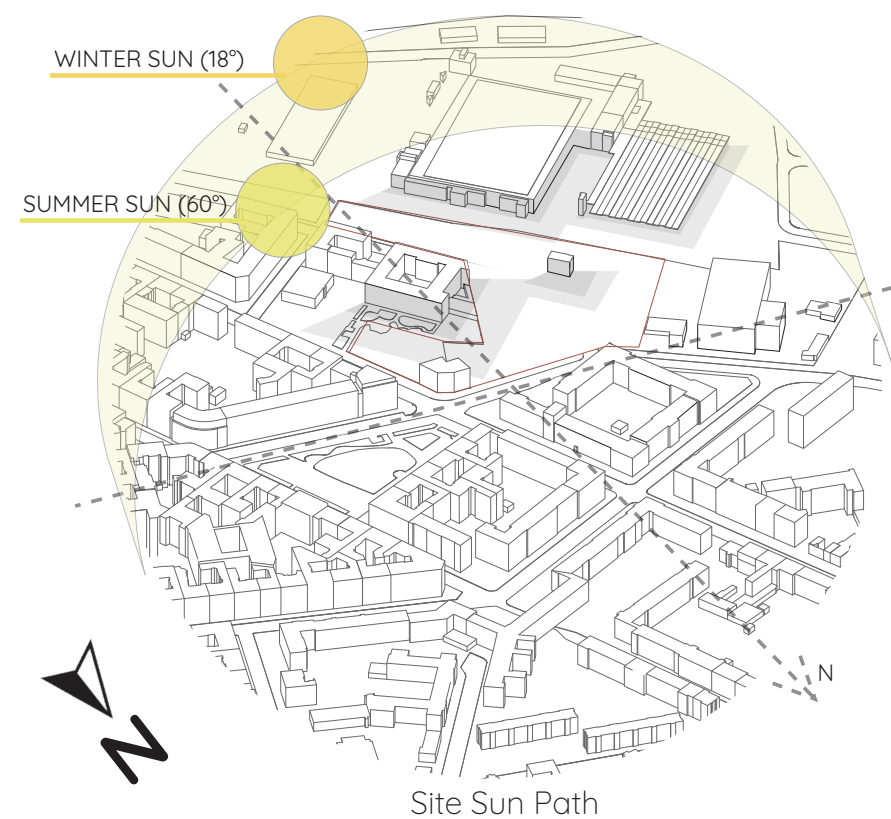
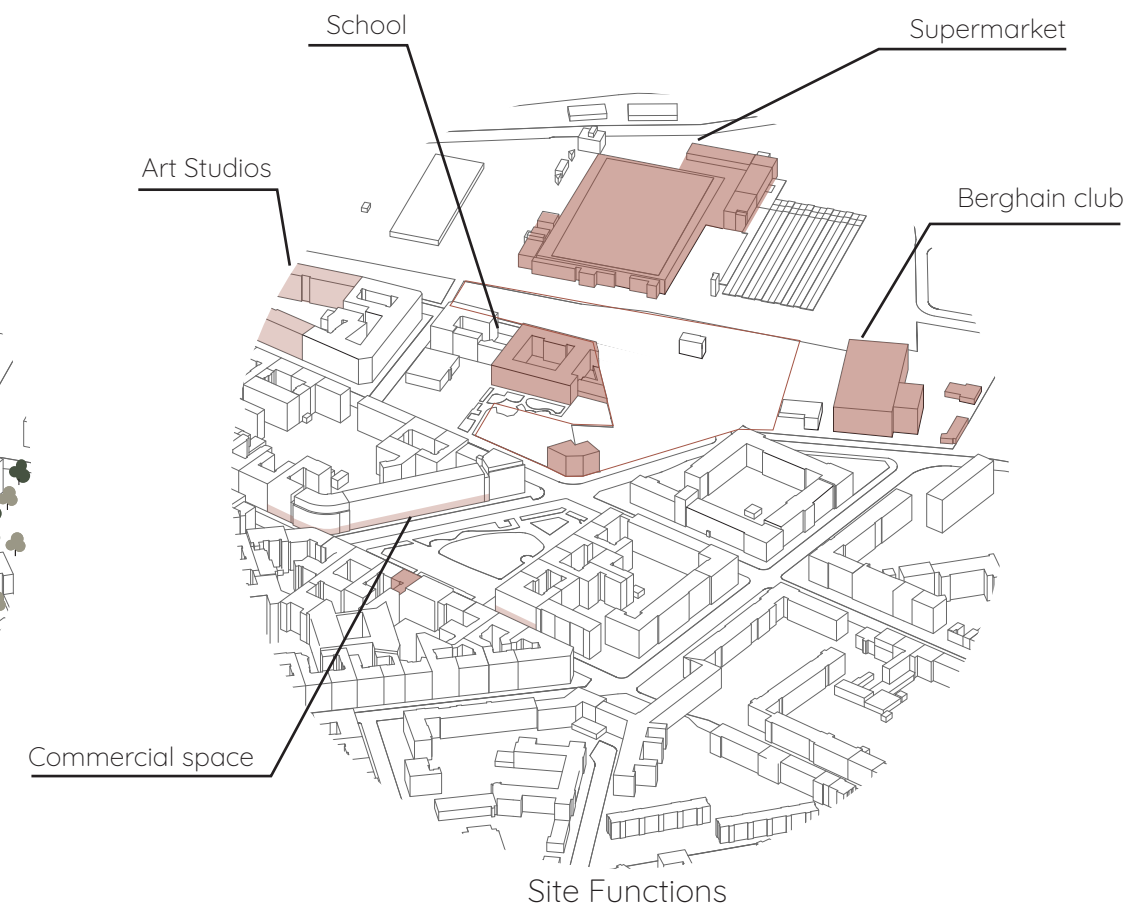
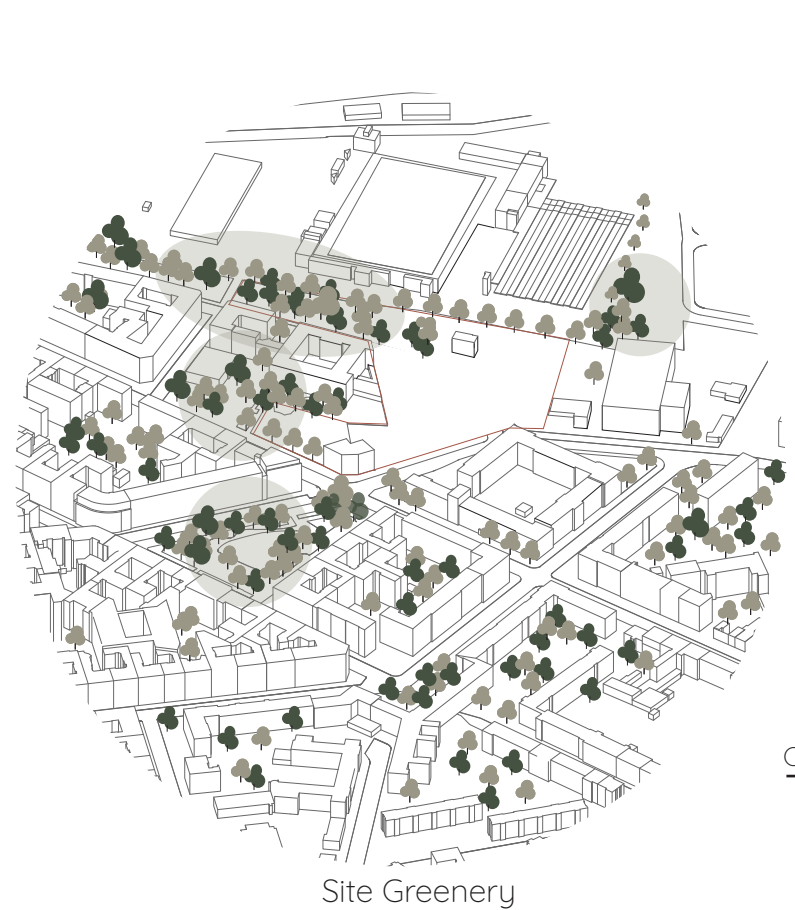
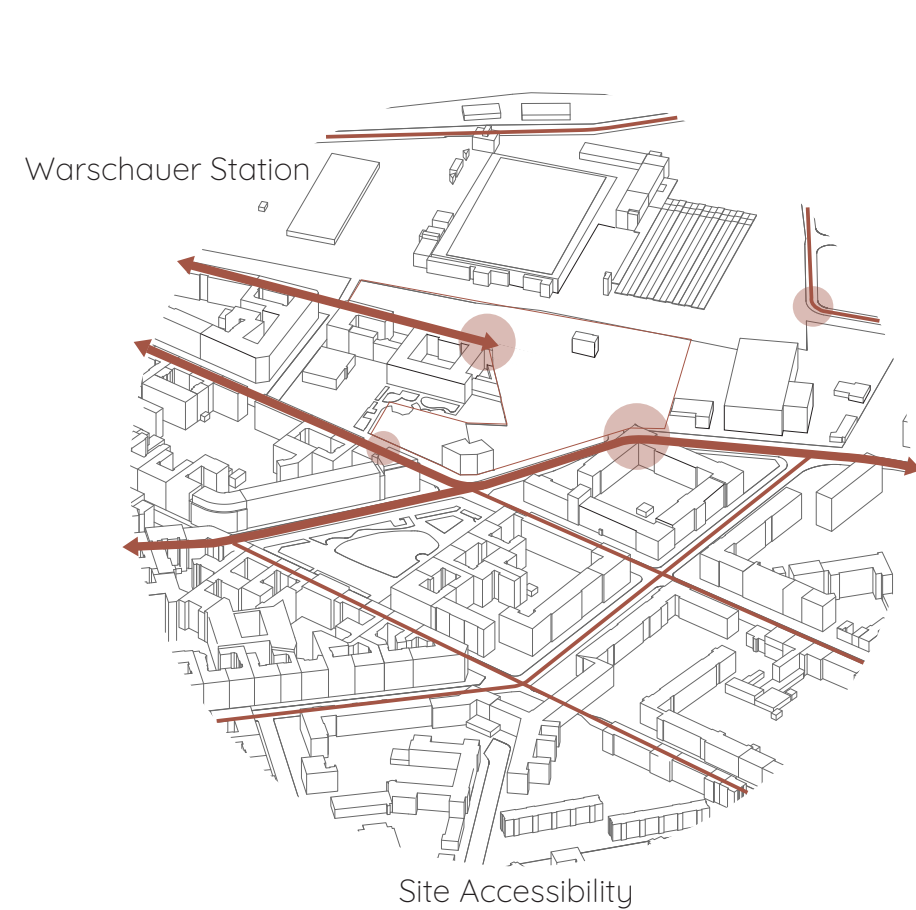
Research Questions

- How can architecture act as a middle ground in the ideological debate?
- How to incentivize the users to take a proactive role in the development of the community?
- How can architecture be used in the amplification of the public debate?
- How can the spatial organization contribute to the starting of discussion and interaction between different socio-economic groups of people in the Friedrichshain neighborhood?

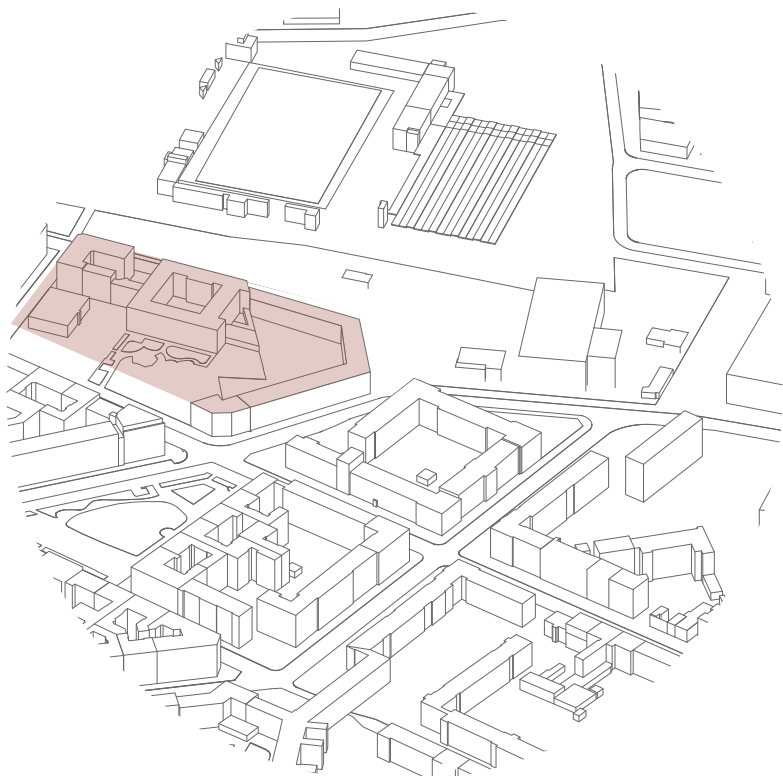


Site Remix Model

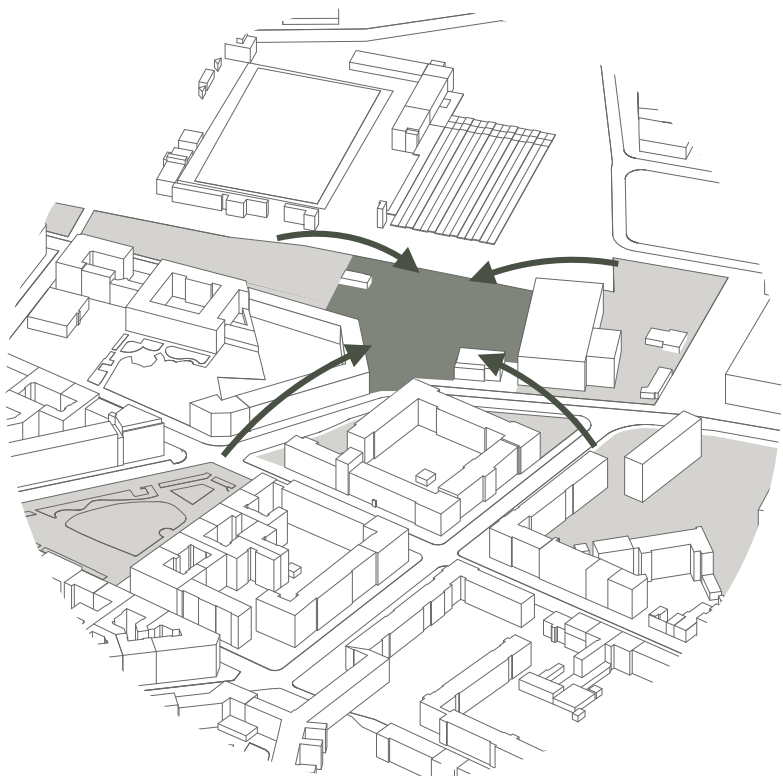
Research - Site Analysis



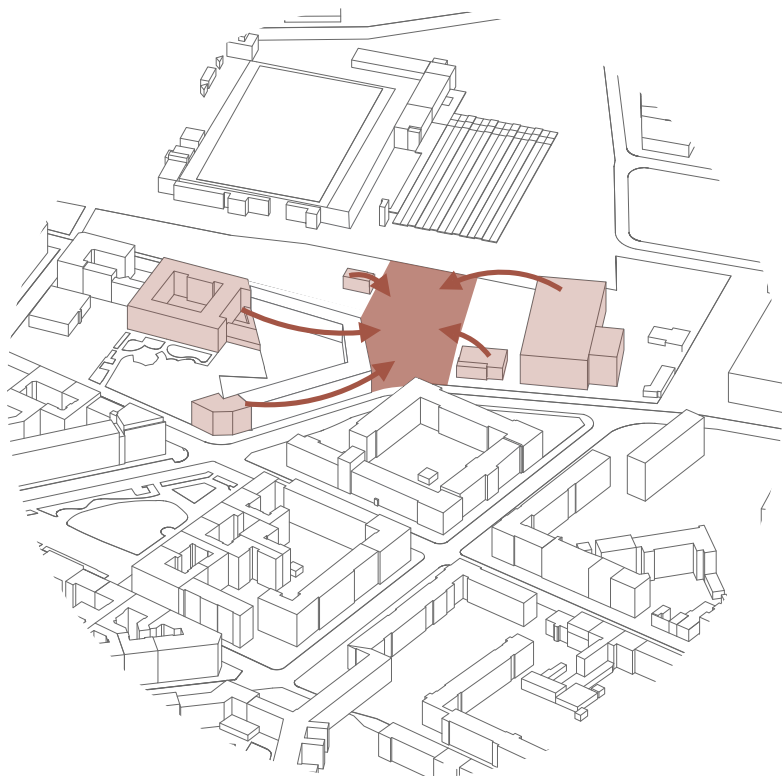
Site Plan Strategy



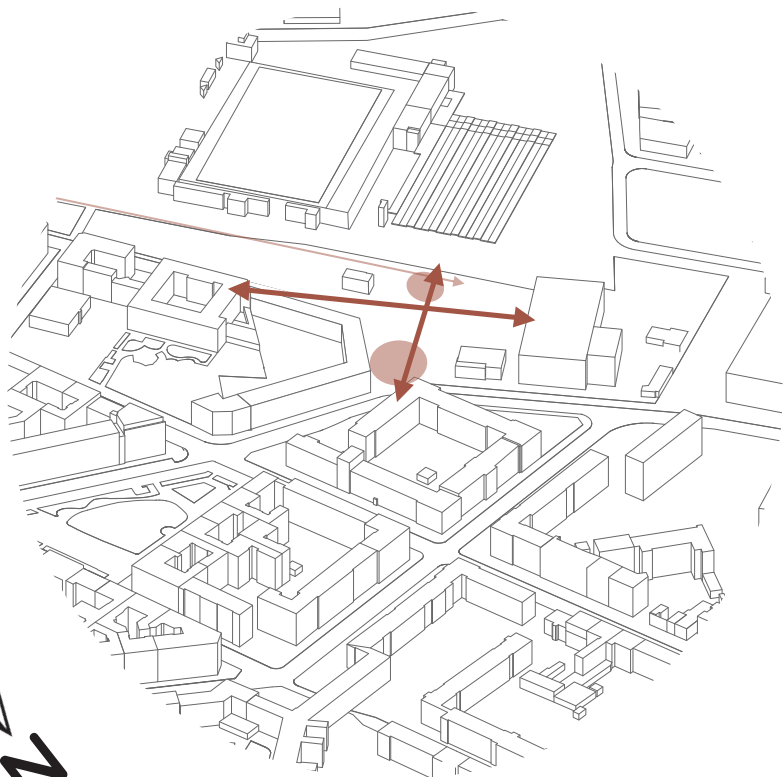
Finish the Building Block



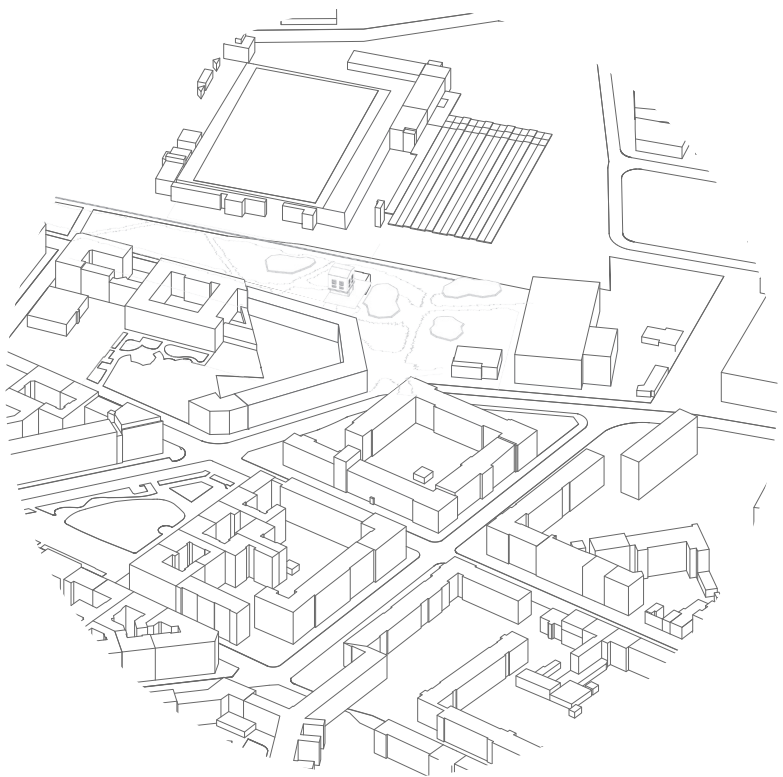
Green Corridor



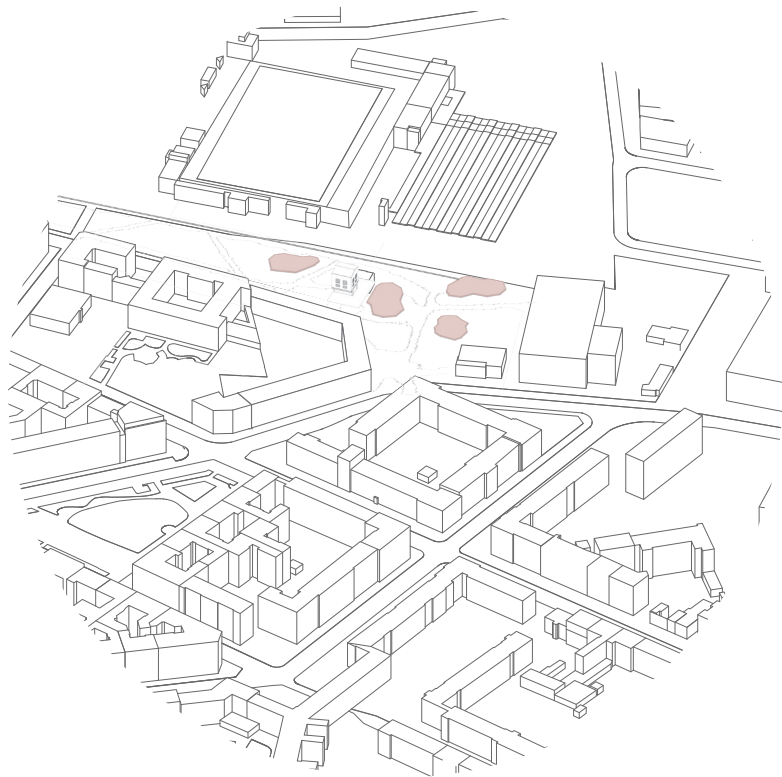
Functions synergy



Main axis



Path blending into the greenery



Breaking Islands



Site Plan



Site Plan
Scale 1:2000

Case Studies

Key Findings

The program of each center revolve around the **debate aspect** this can take the form of larger auditoriums for discussion or exhibitions both formal and informer and they are surrounded by **practical events** as well, workshops which are constructed to **create a sense of community** and teach the participants practical skills.



Mediamatic - Amsterdam



Arminius - Rotterdam



Waag Future Lab - Amsterdam



DeBalie - Amsterdam



Humboldt Forum -Berlin

Program - Mind Map

Three layers of interaction

● Leisure functions

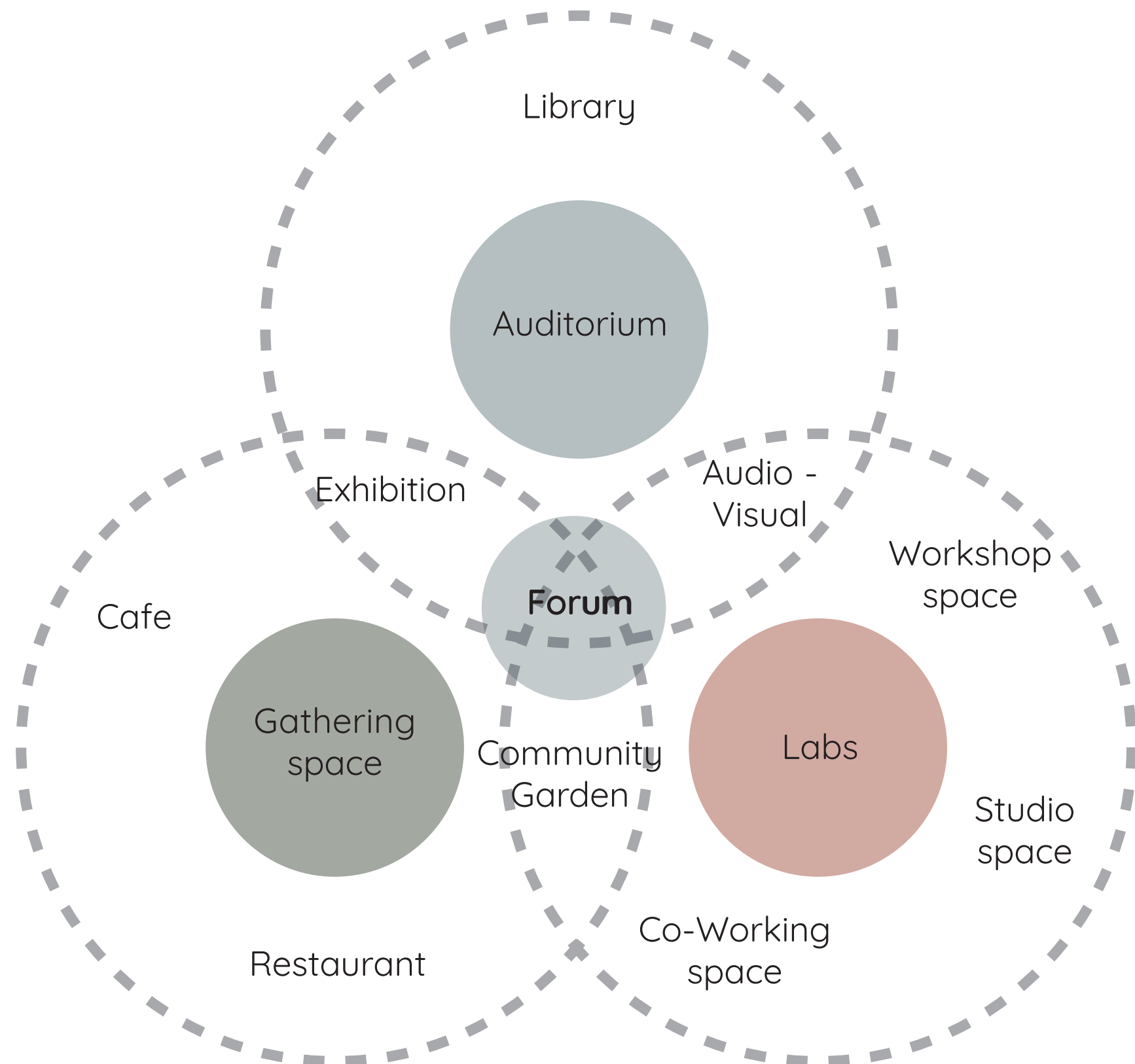
- Designed with the scope of attracting people from the neighborhood by providing activities that are not present in the district

● 'Skills' functions

- Activate the community by providing space for creative or co-working and the so-called skills labs
- Intended to teach residents specific skills that can improve the community

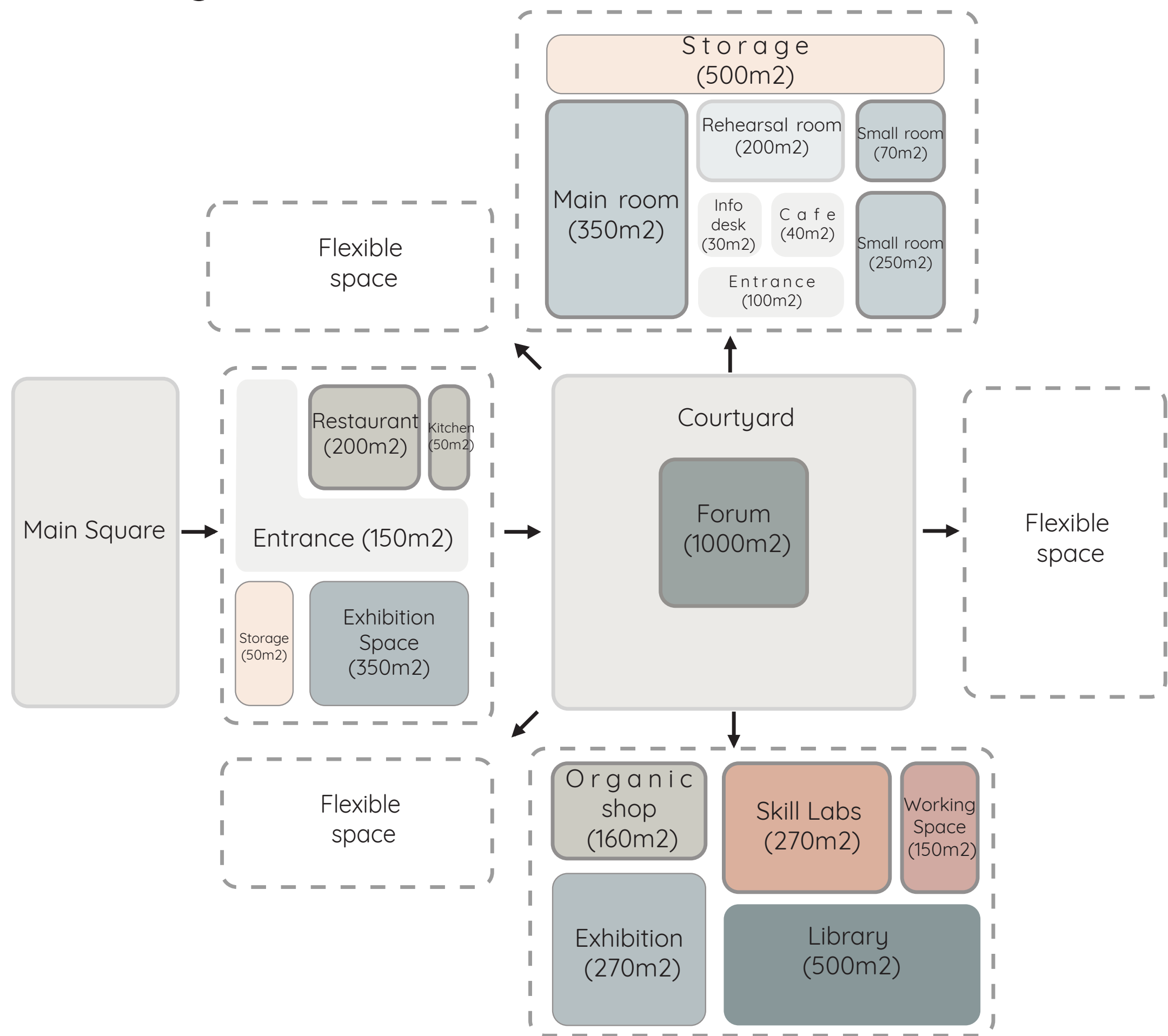
● Knowledge functions

- Activate the discussion and different ways of information communication and debate that provide a wide range of media for different types of people

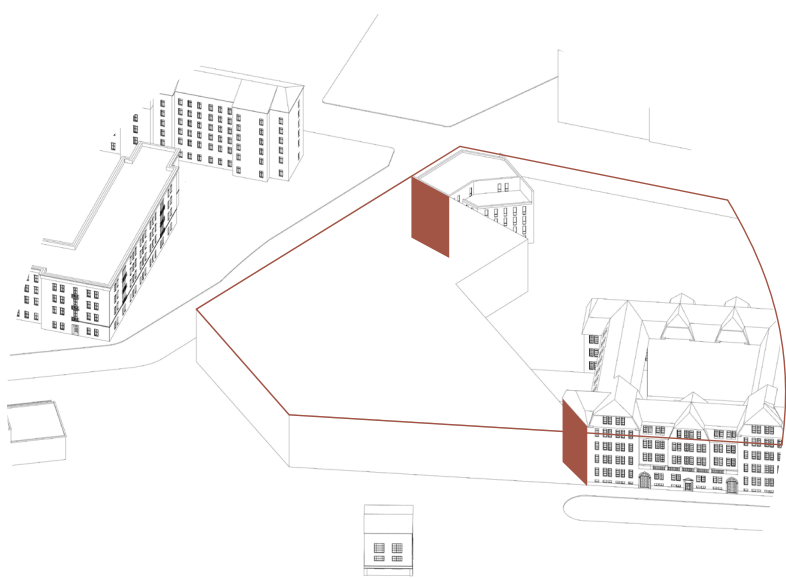


Conceptual Program Diagram

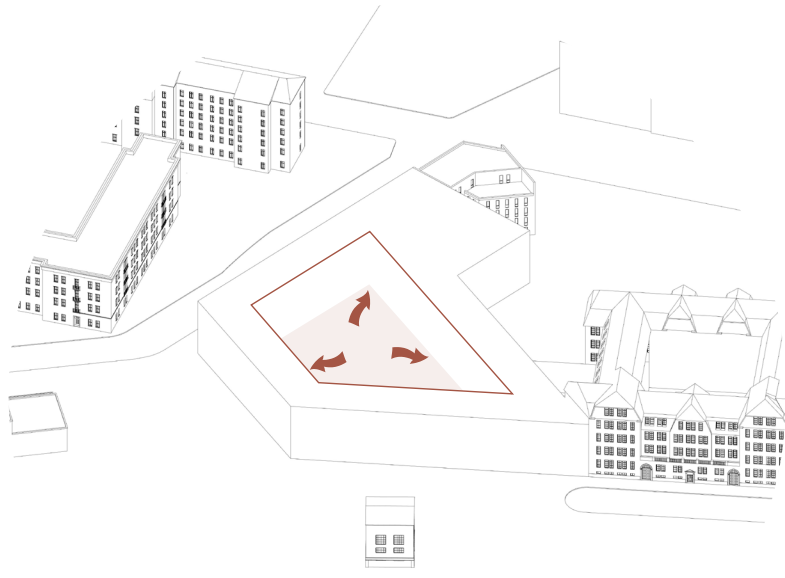
Program - Diagram



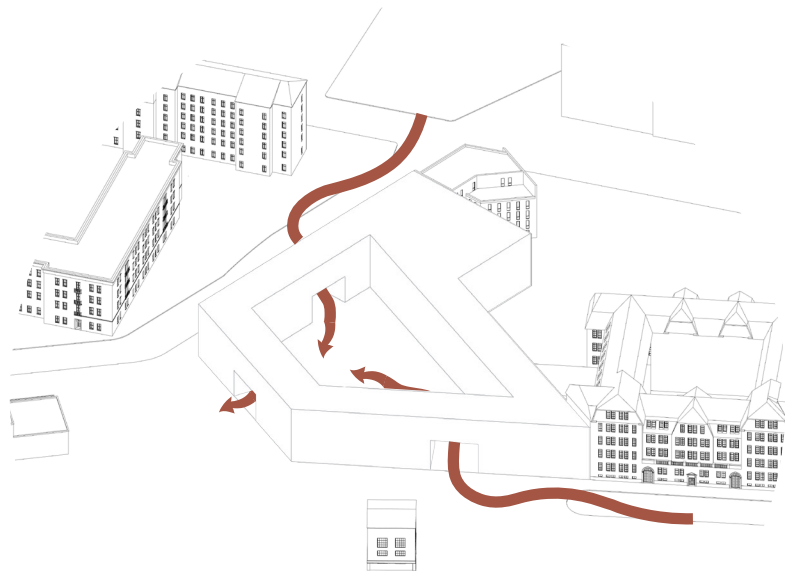
Schematic Design - Strategy



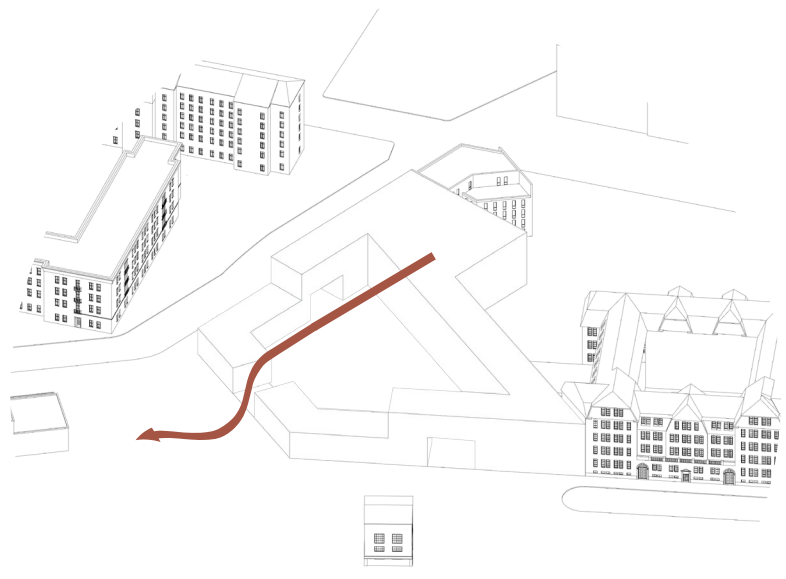
Building Block Enclose



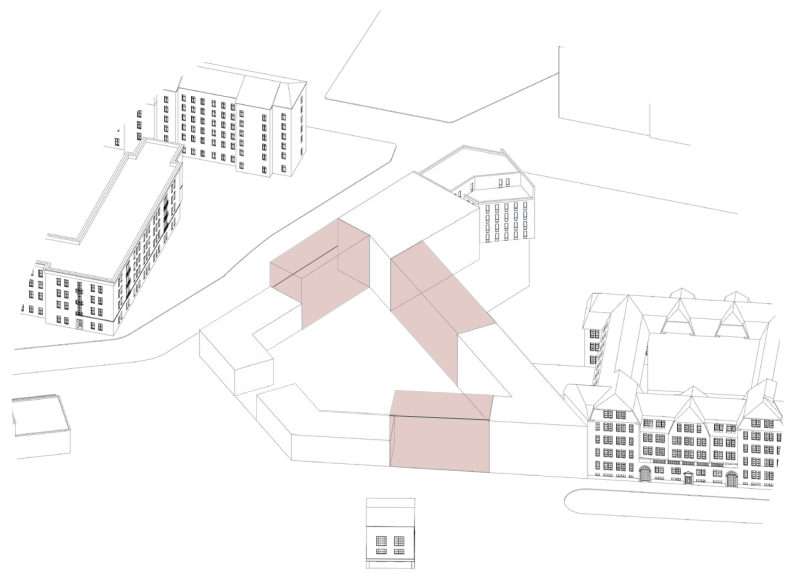
Courtyard Organization



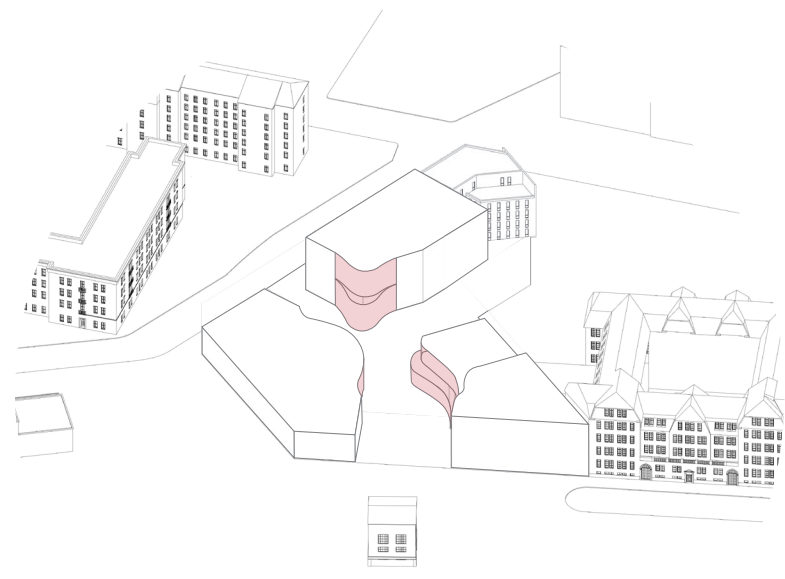
Pathway Flow



Height Transition

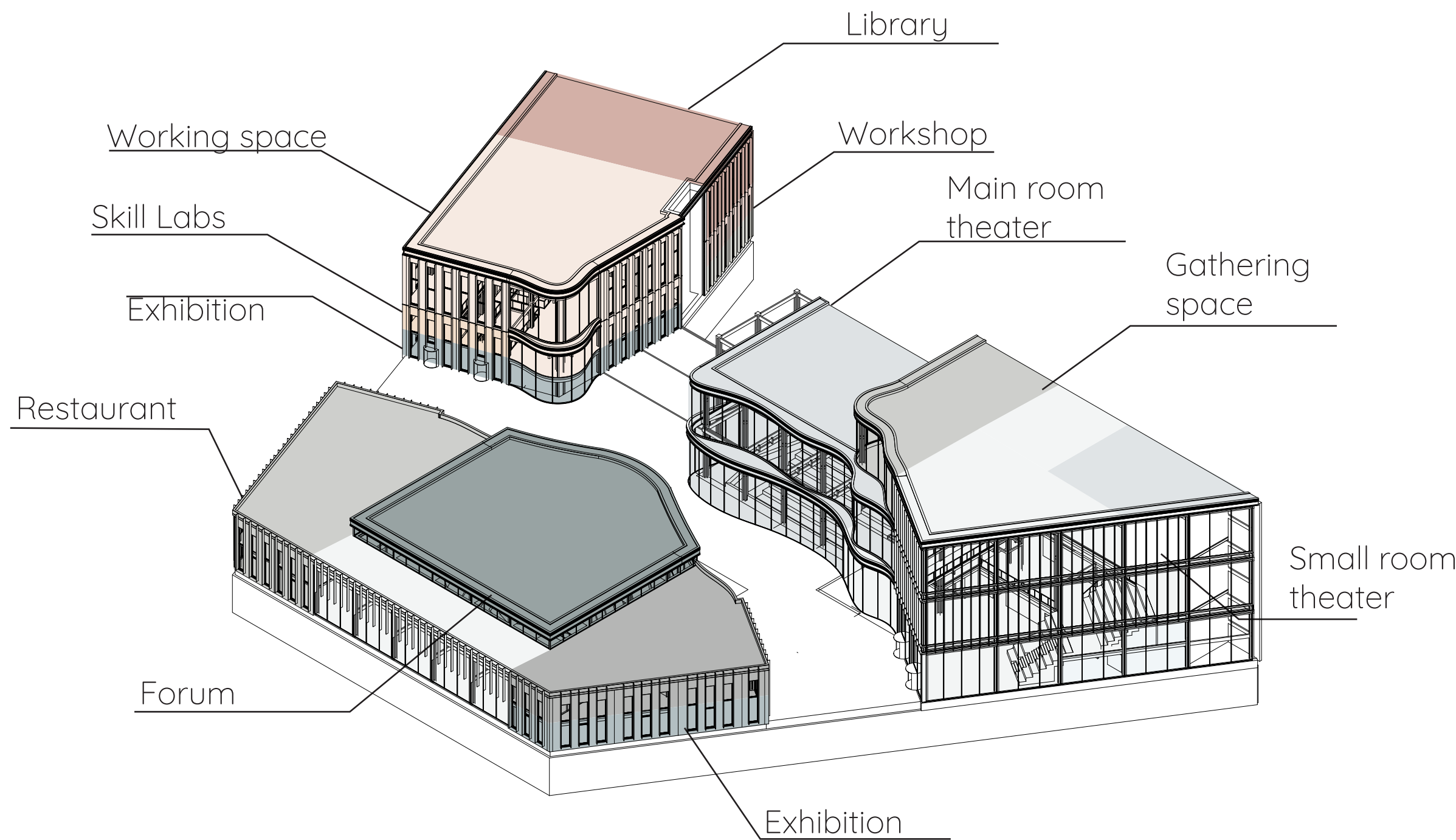


Future Development



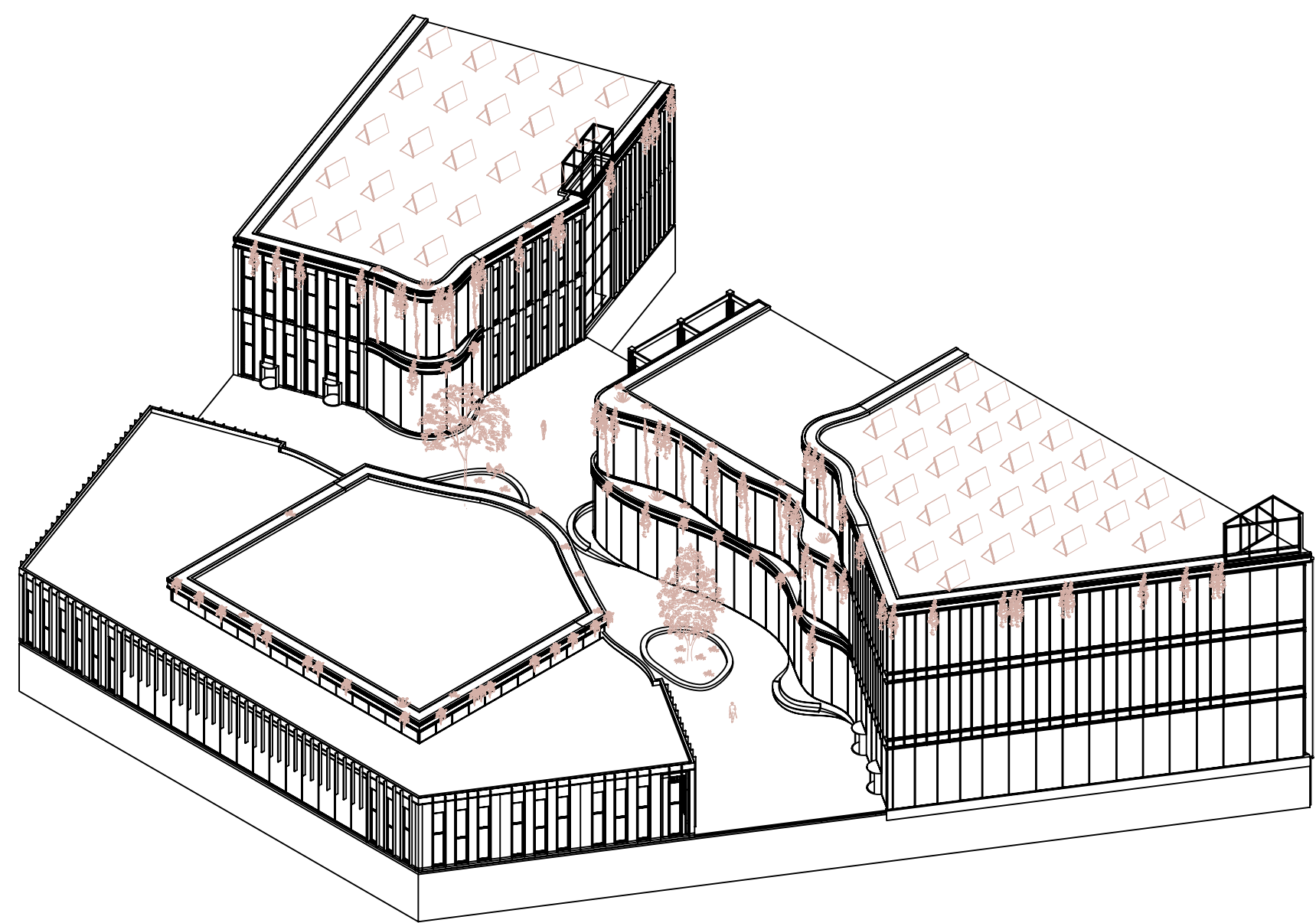
Organic Green Terraces

Schematic Design - Program



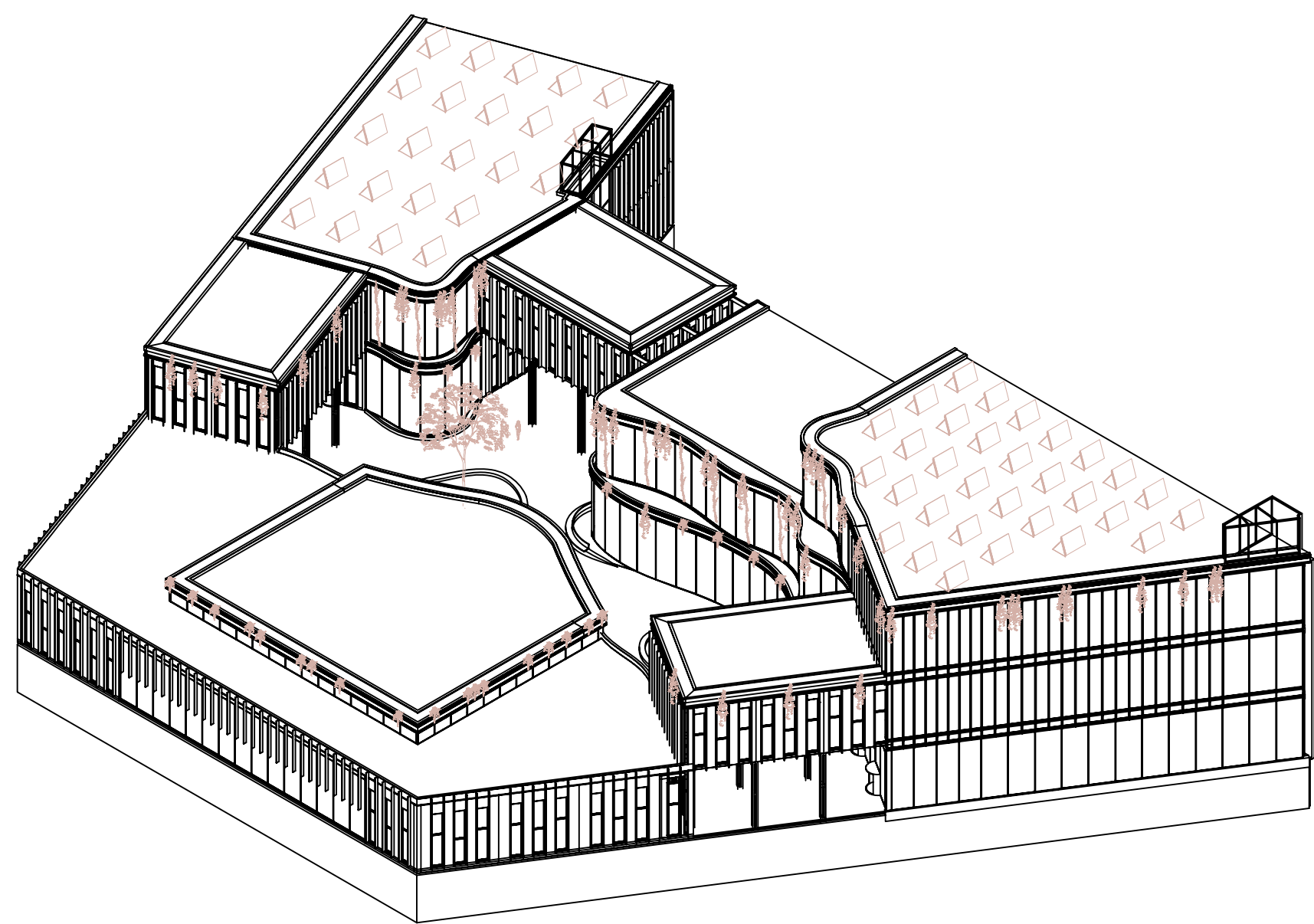
Program Organization Axonometric Drawing
Scale 1:500

Building Overview

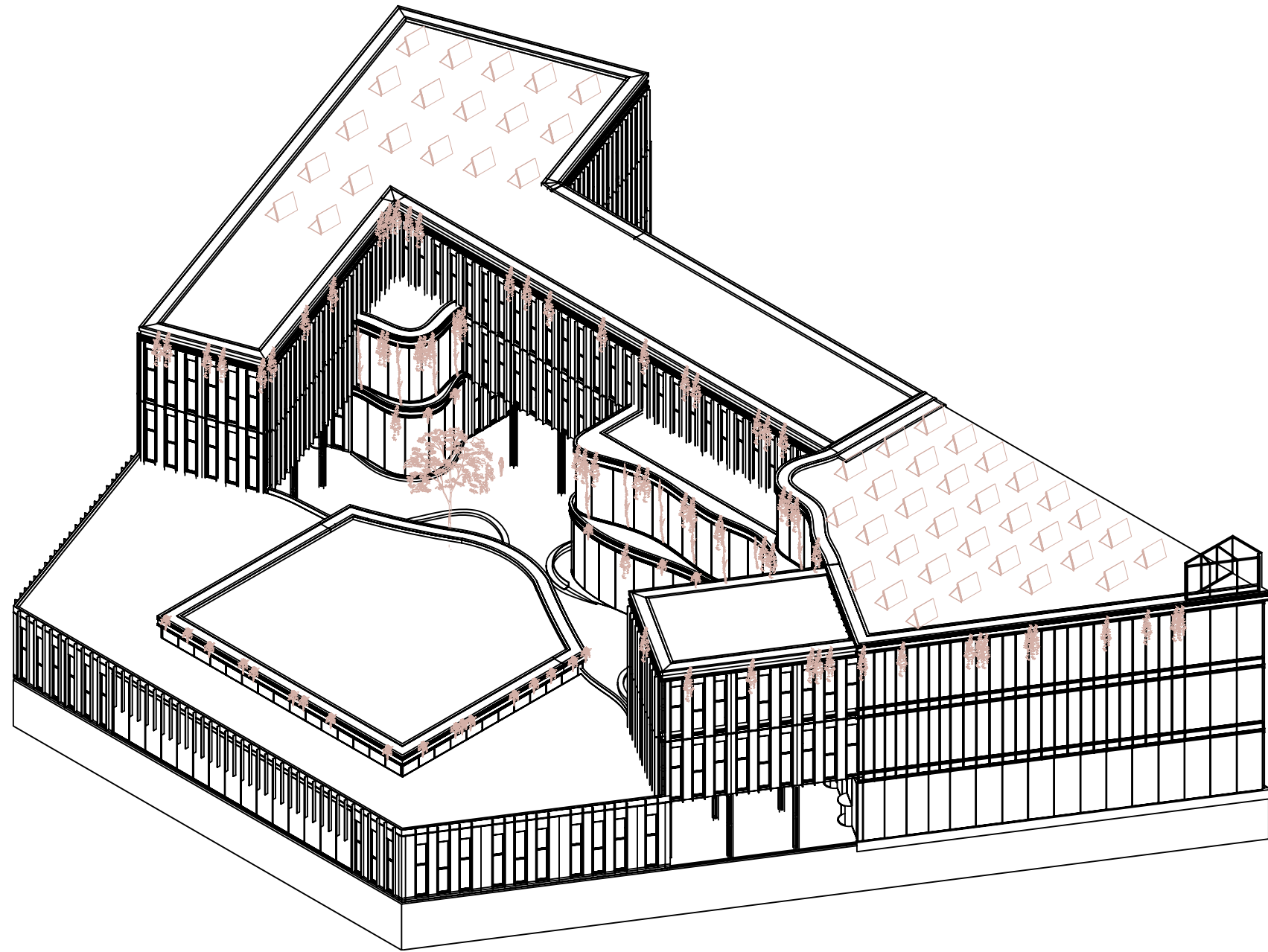


Building overview diagram
Scale 1:500

Anarchy in Architecture

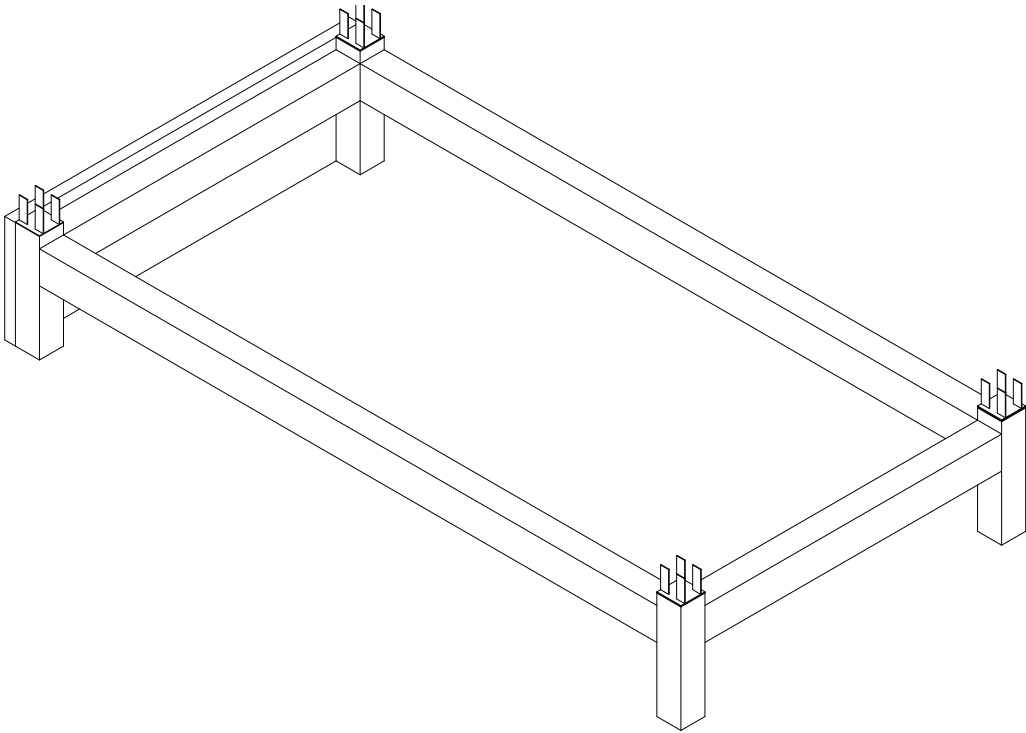


Additions overview diagram
Scale 1:500

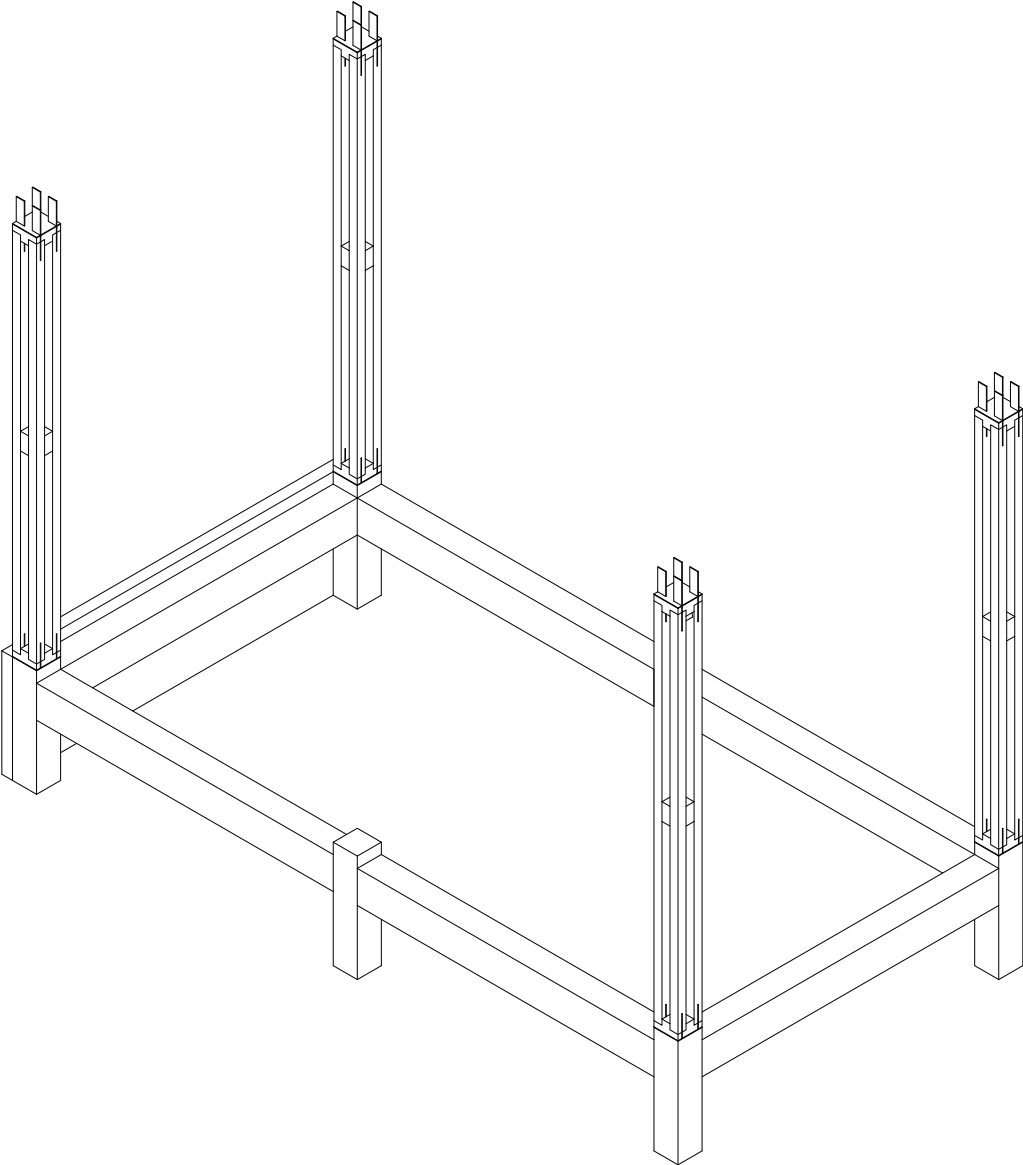


Additions overview diagram
Scale 1:500

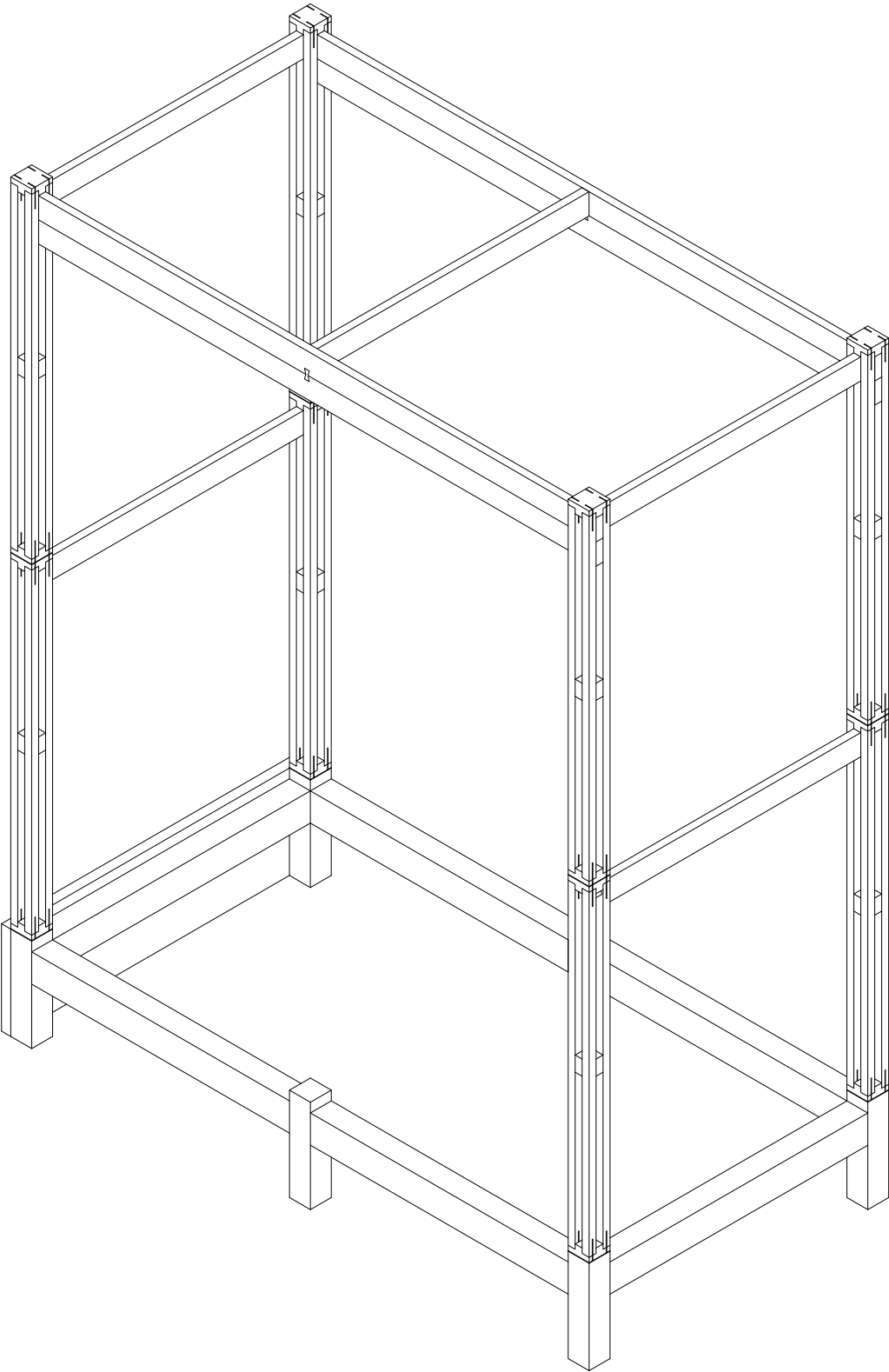
Evolution Scenario



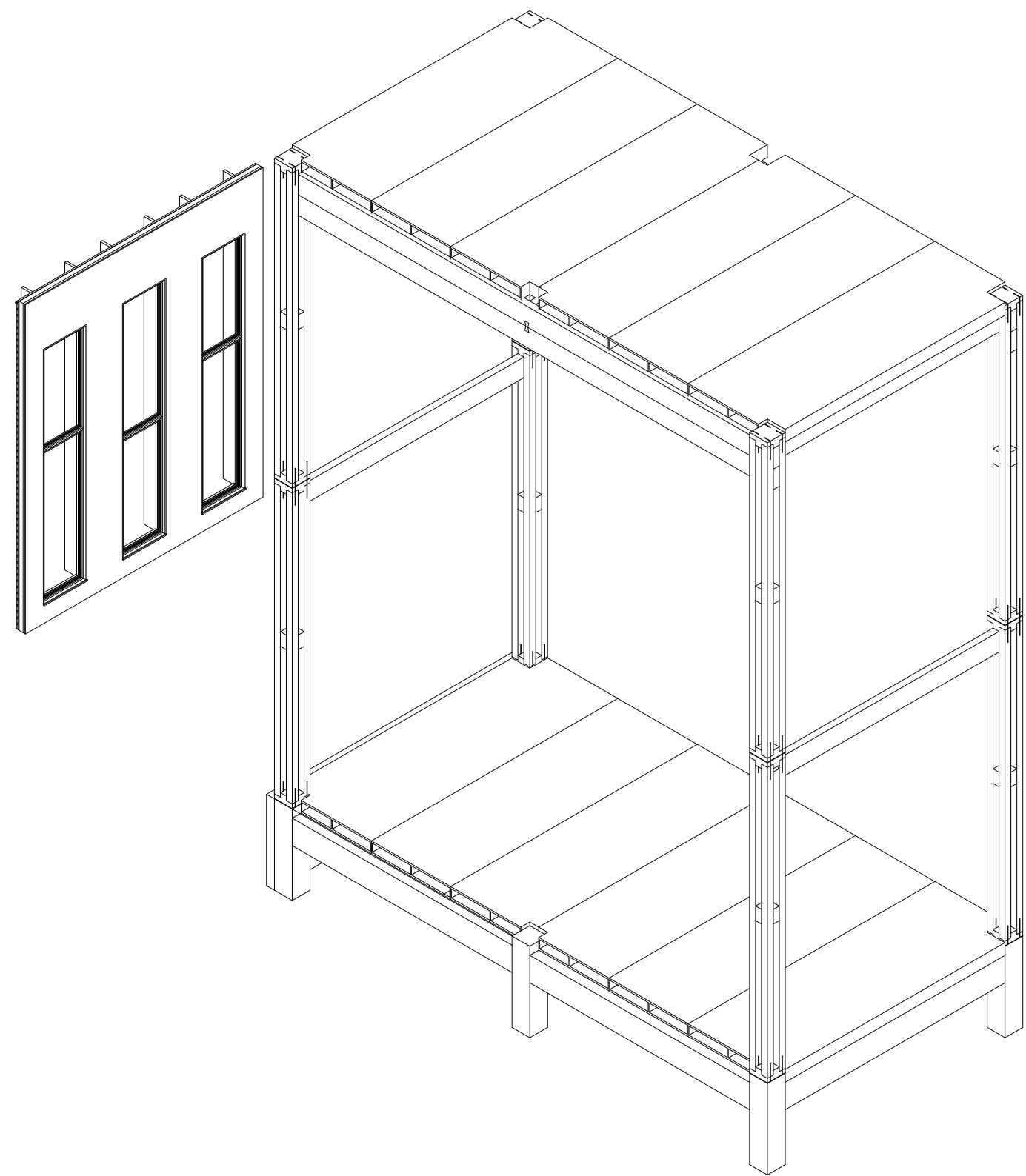
Evolution Scenario



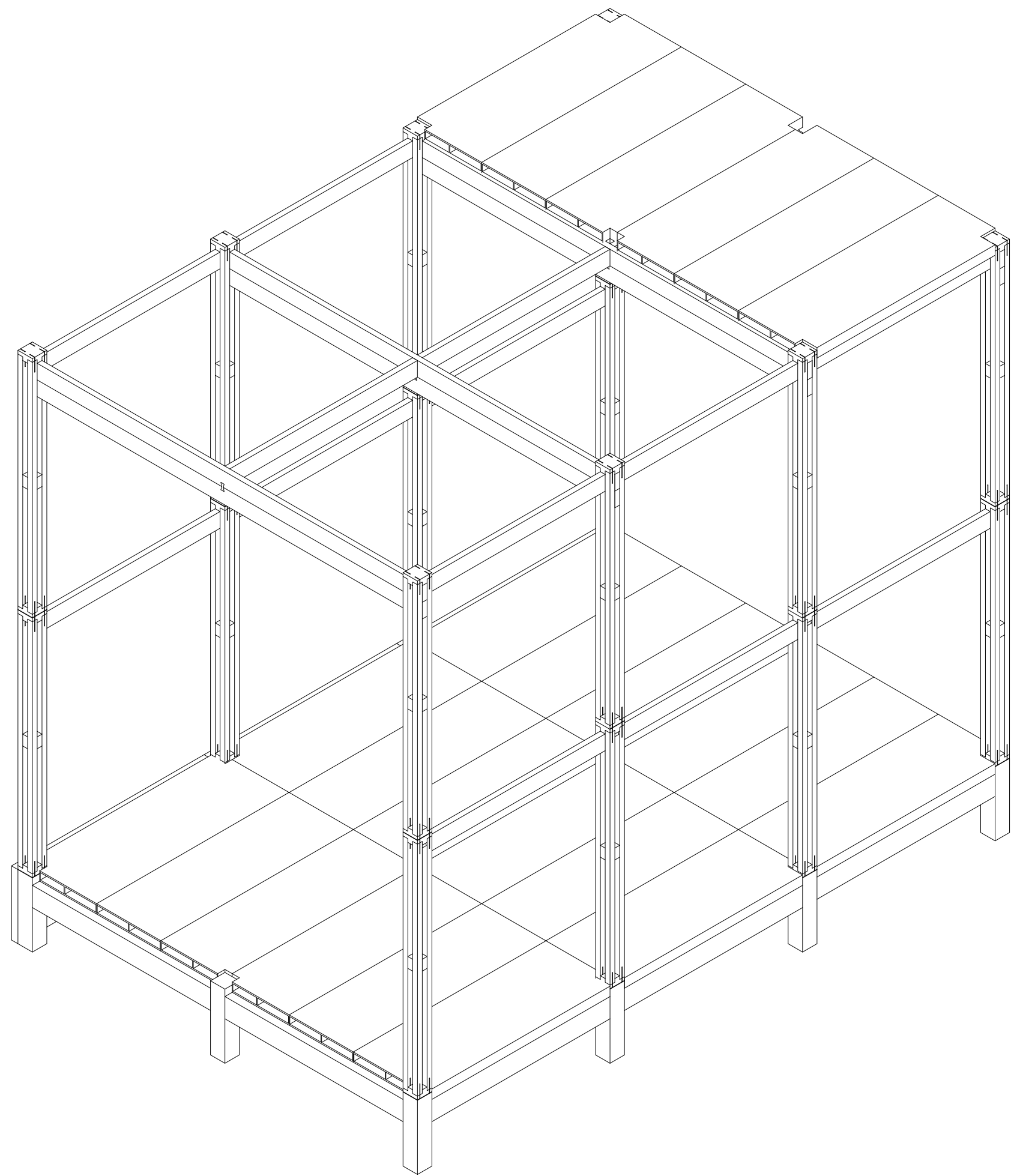
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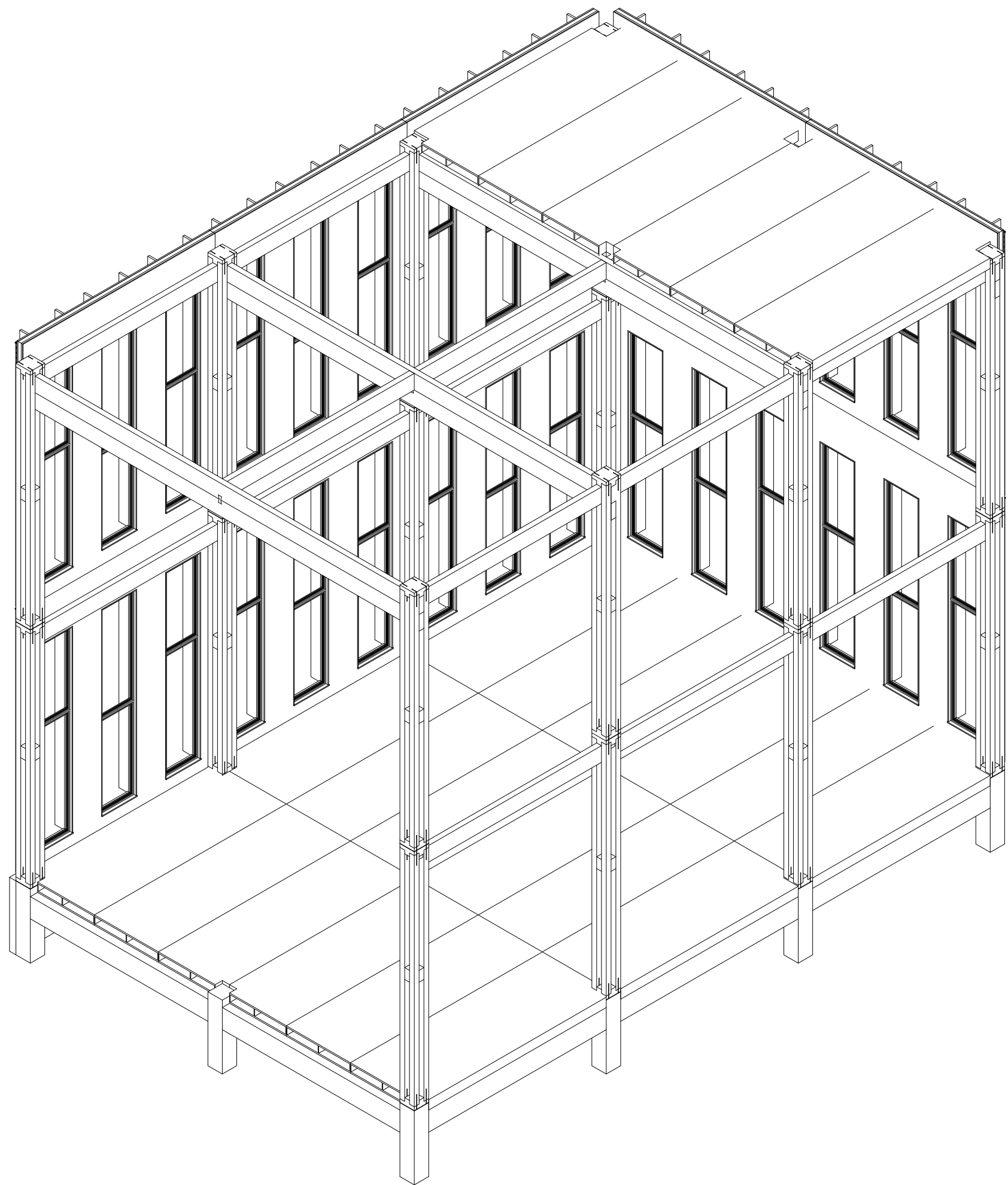
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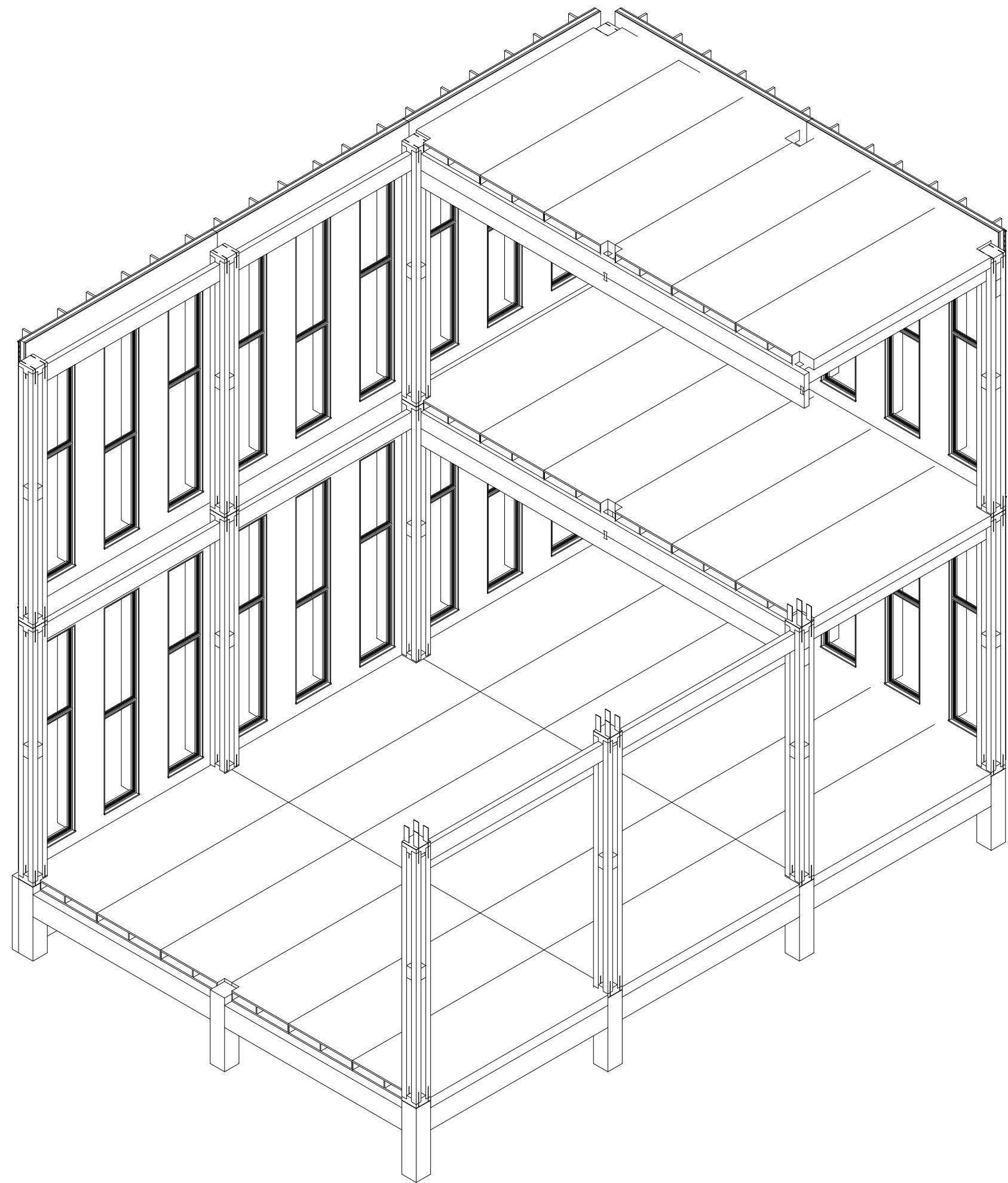
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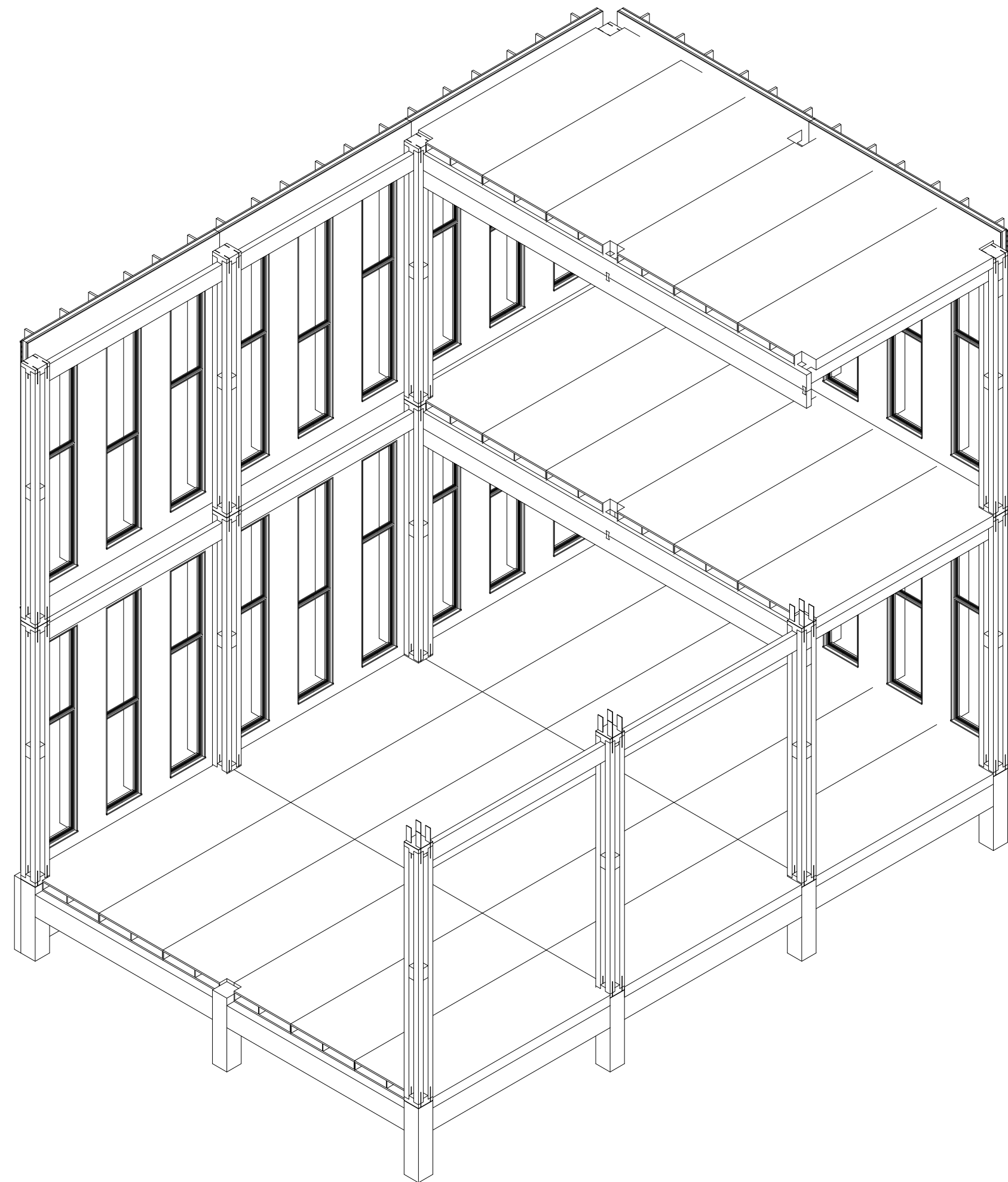
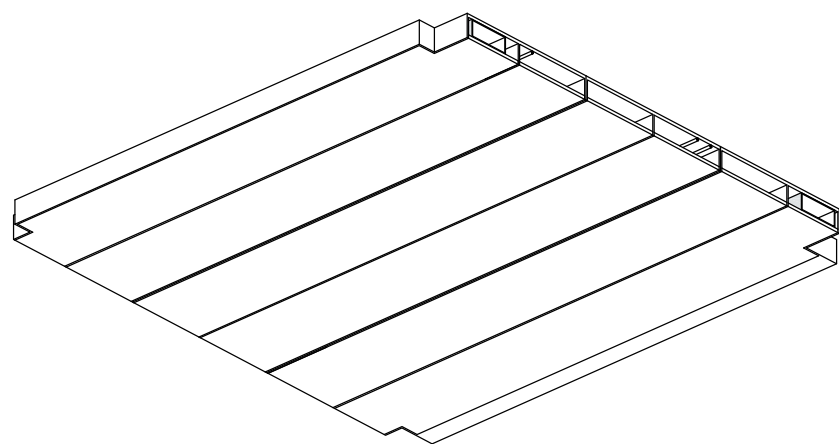
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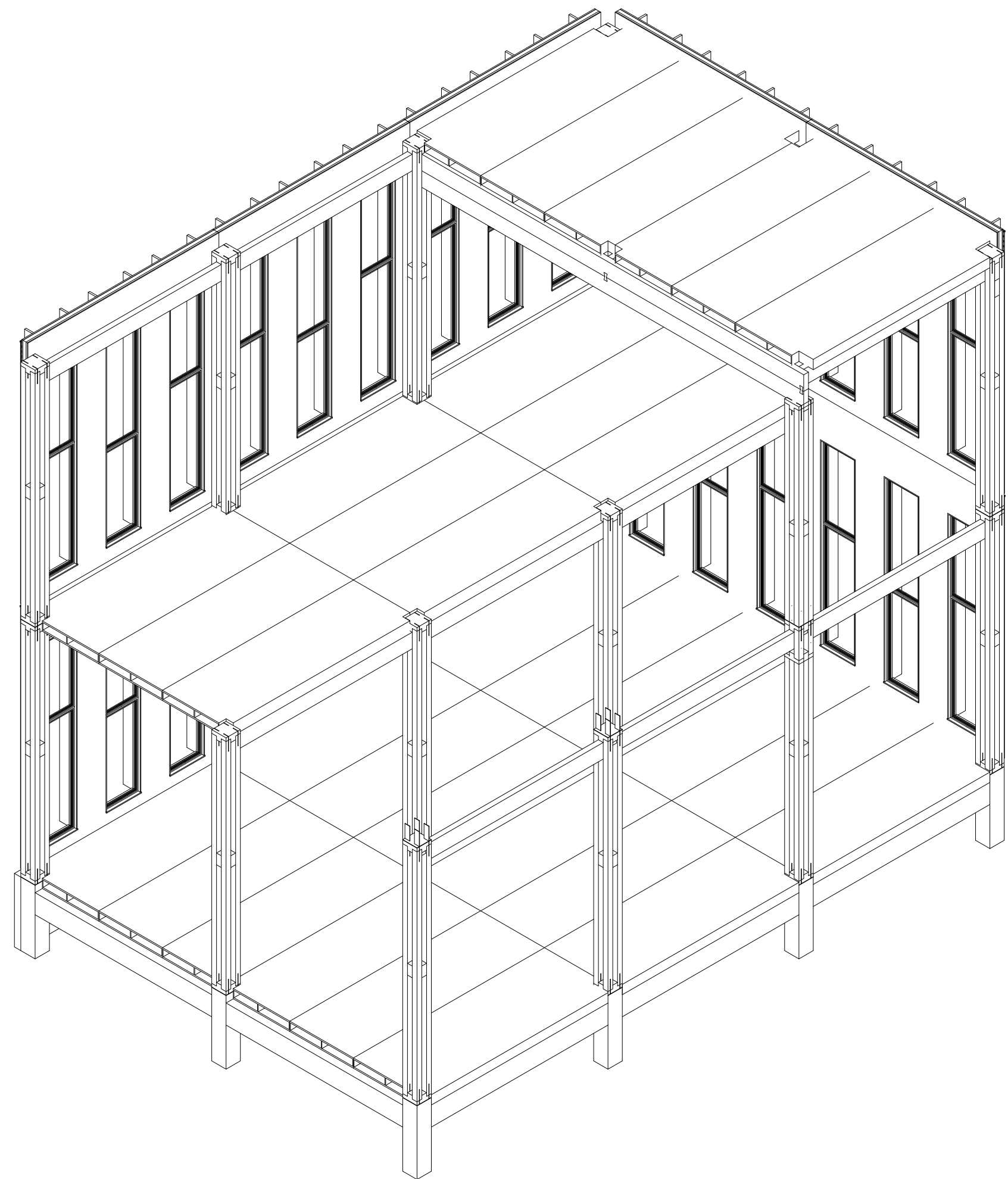
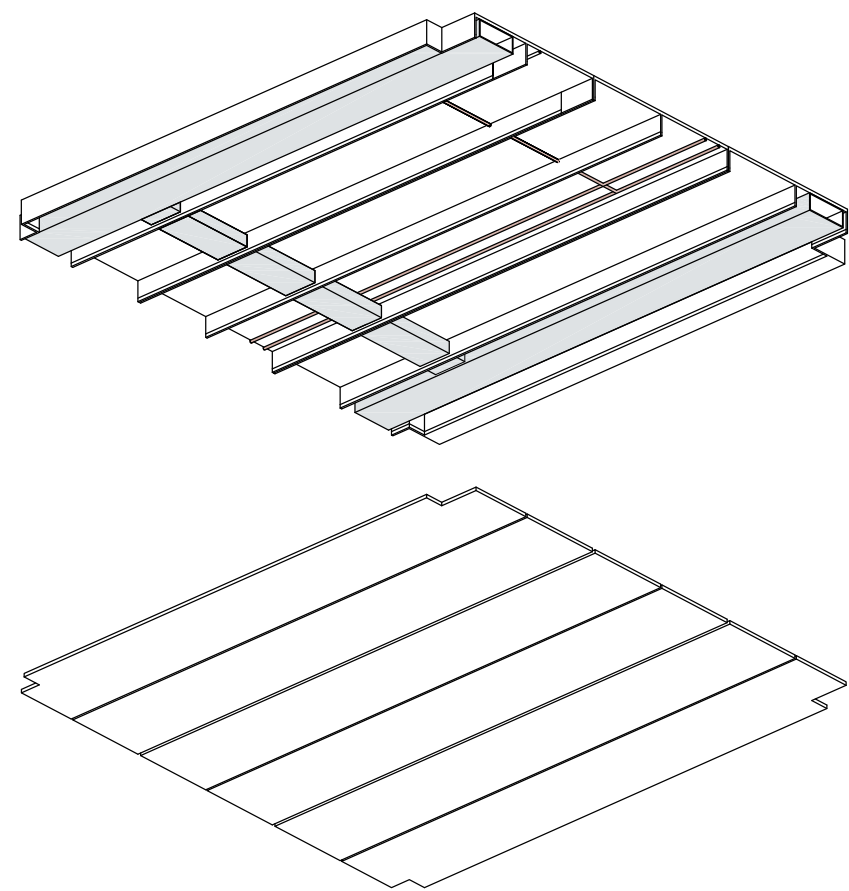
Evolution Scenario



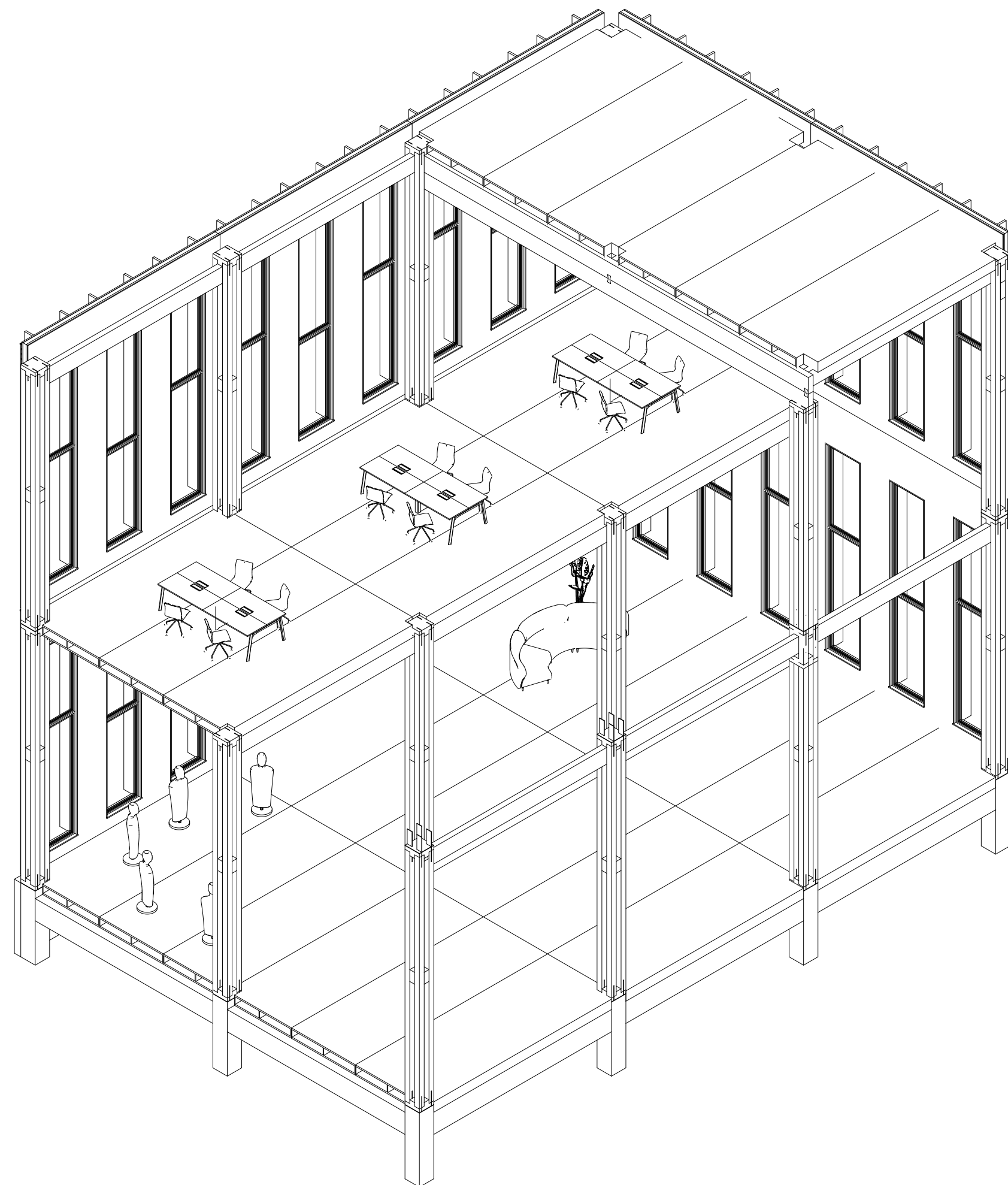
Evolution Scenario



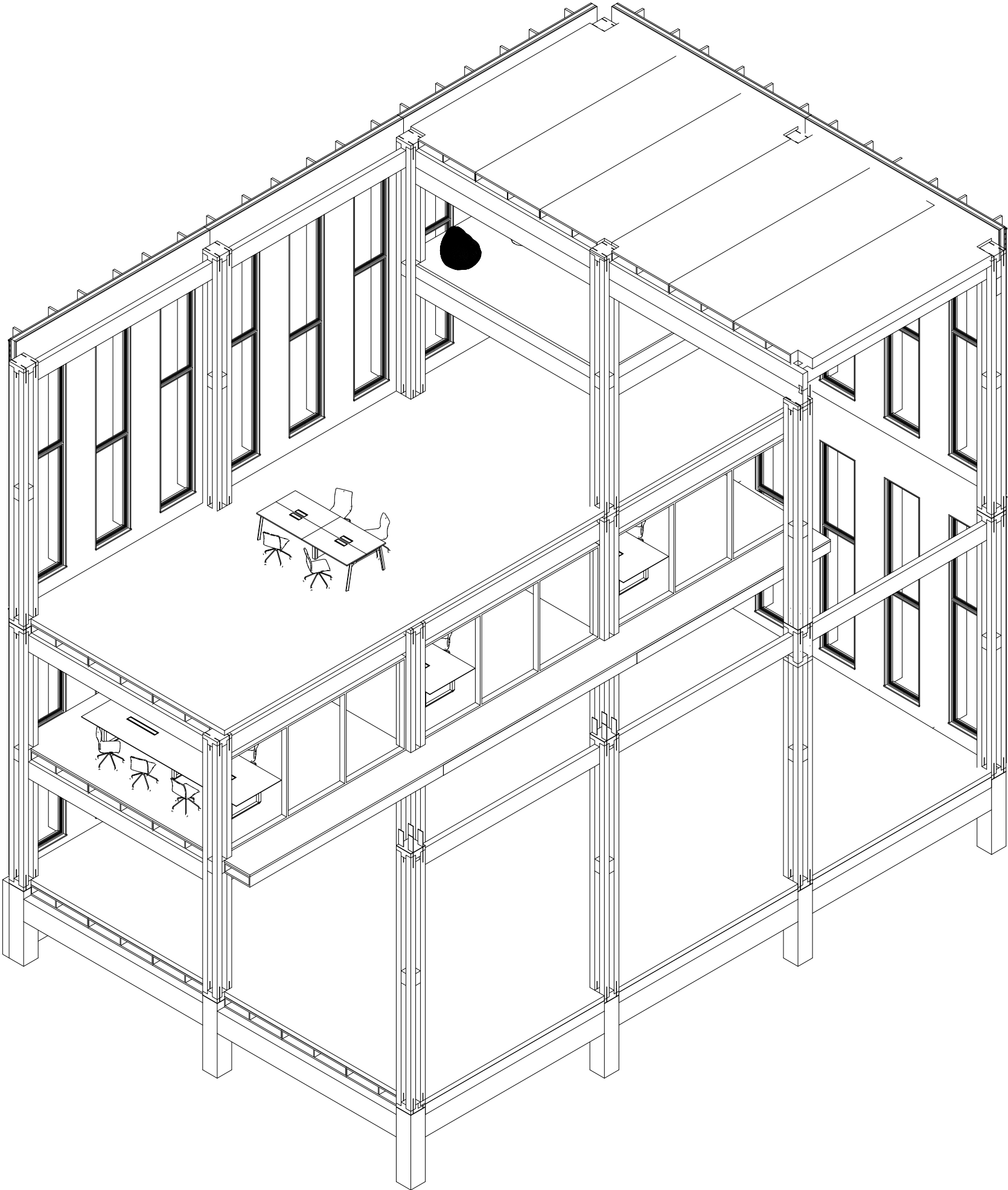
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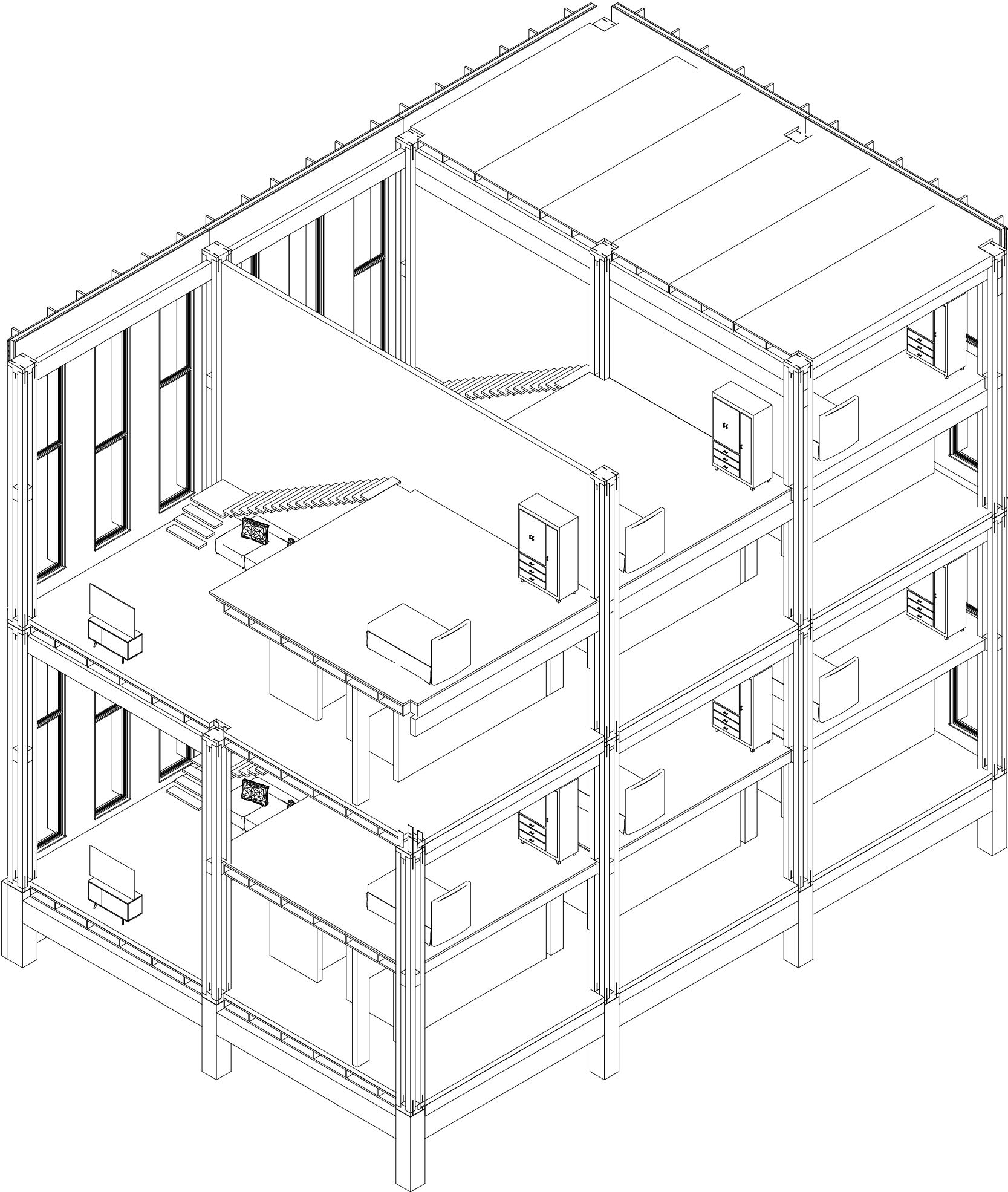
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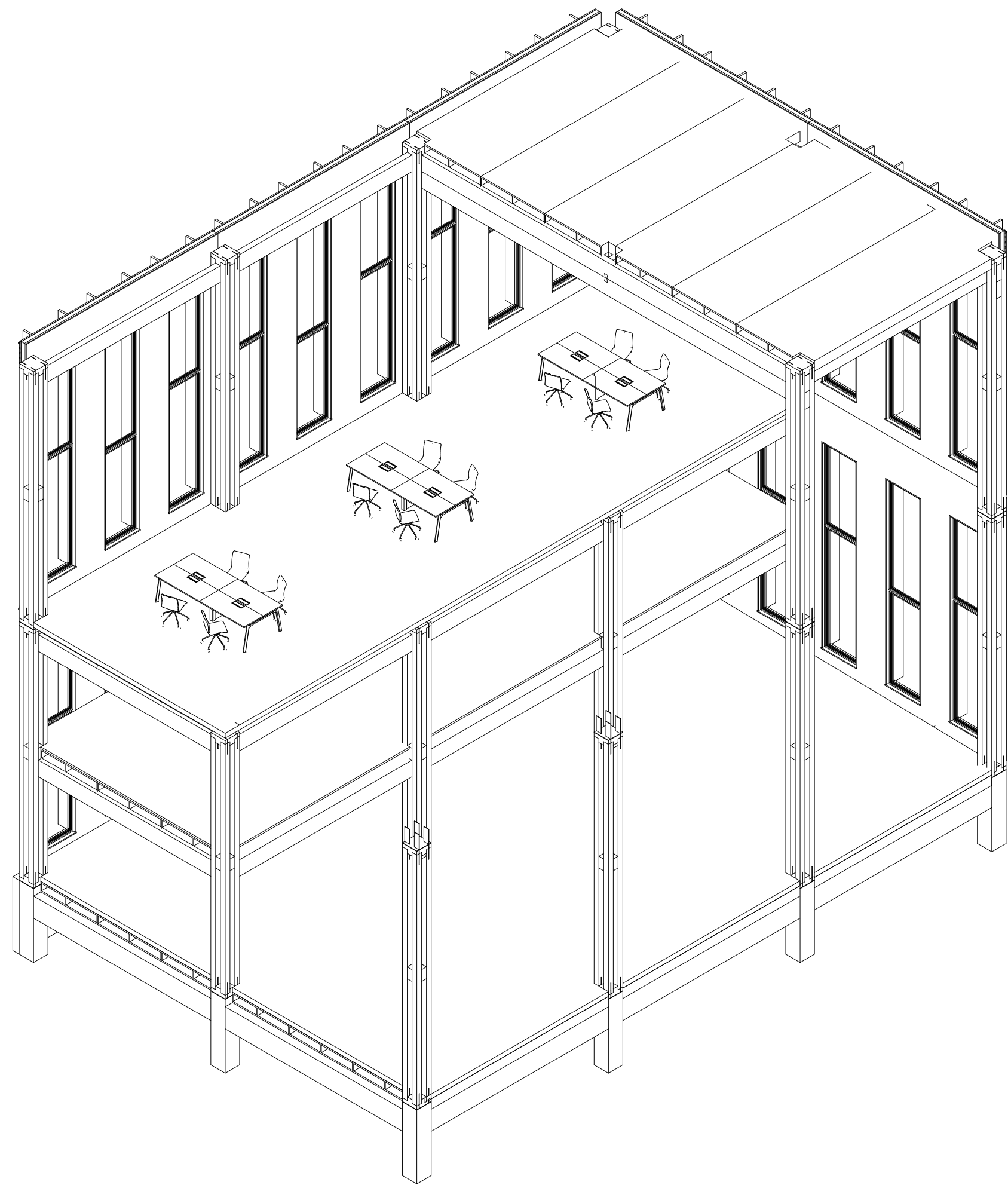
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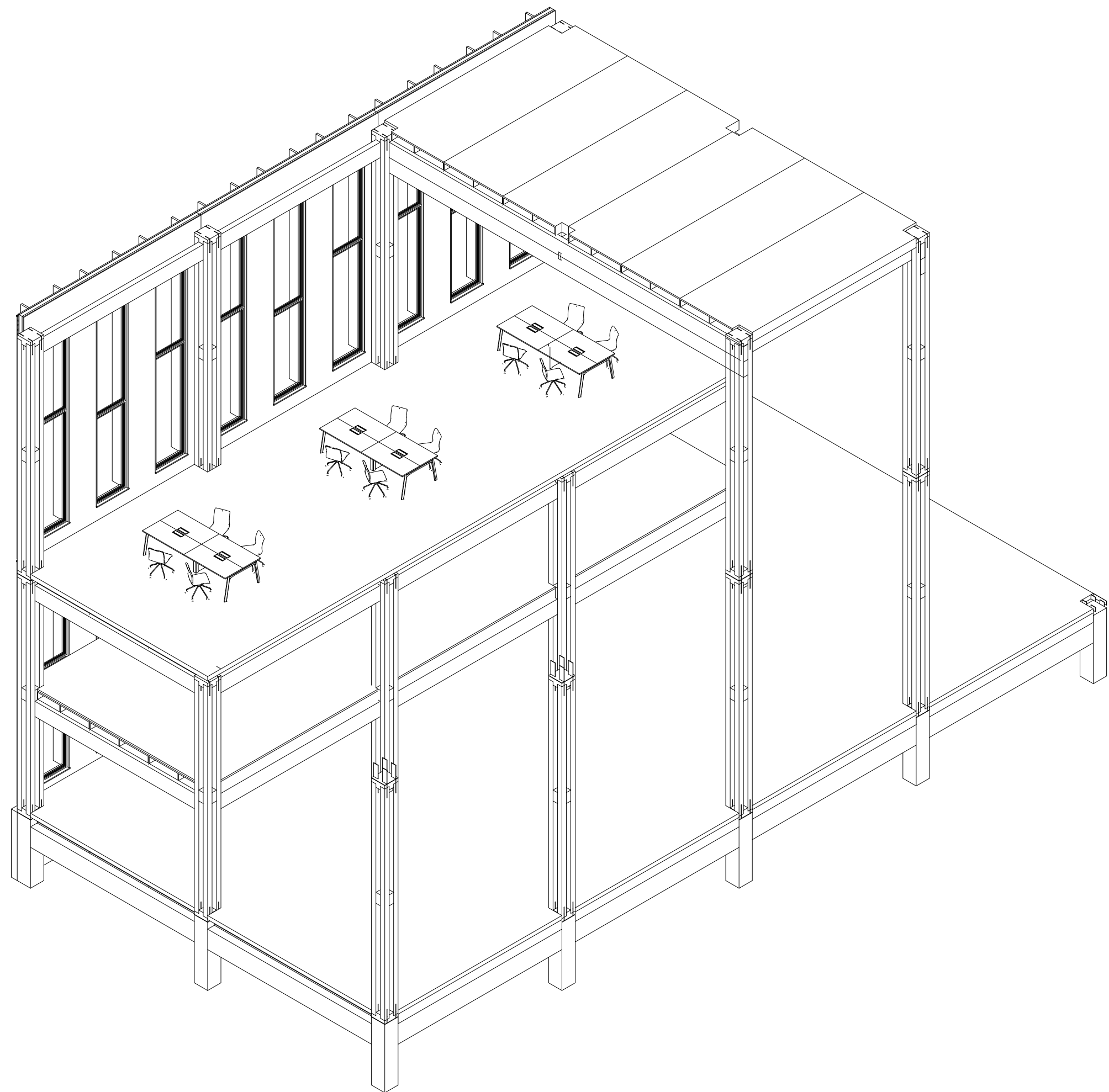
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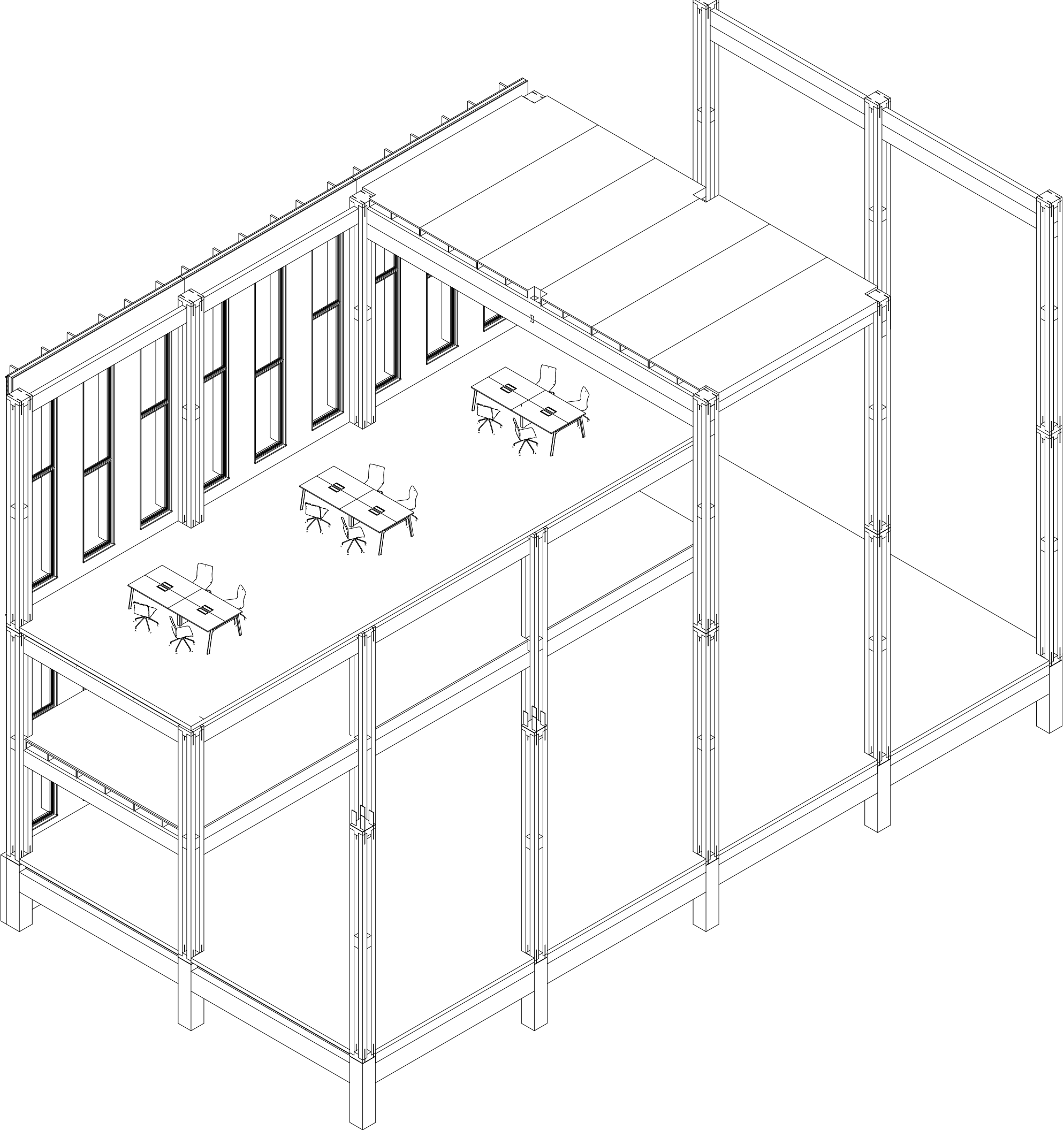
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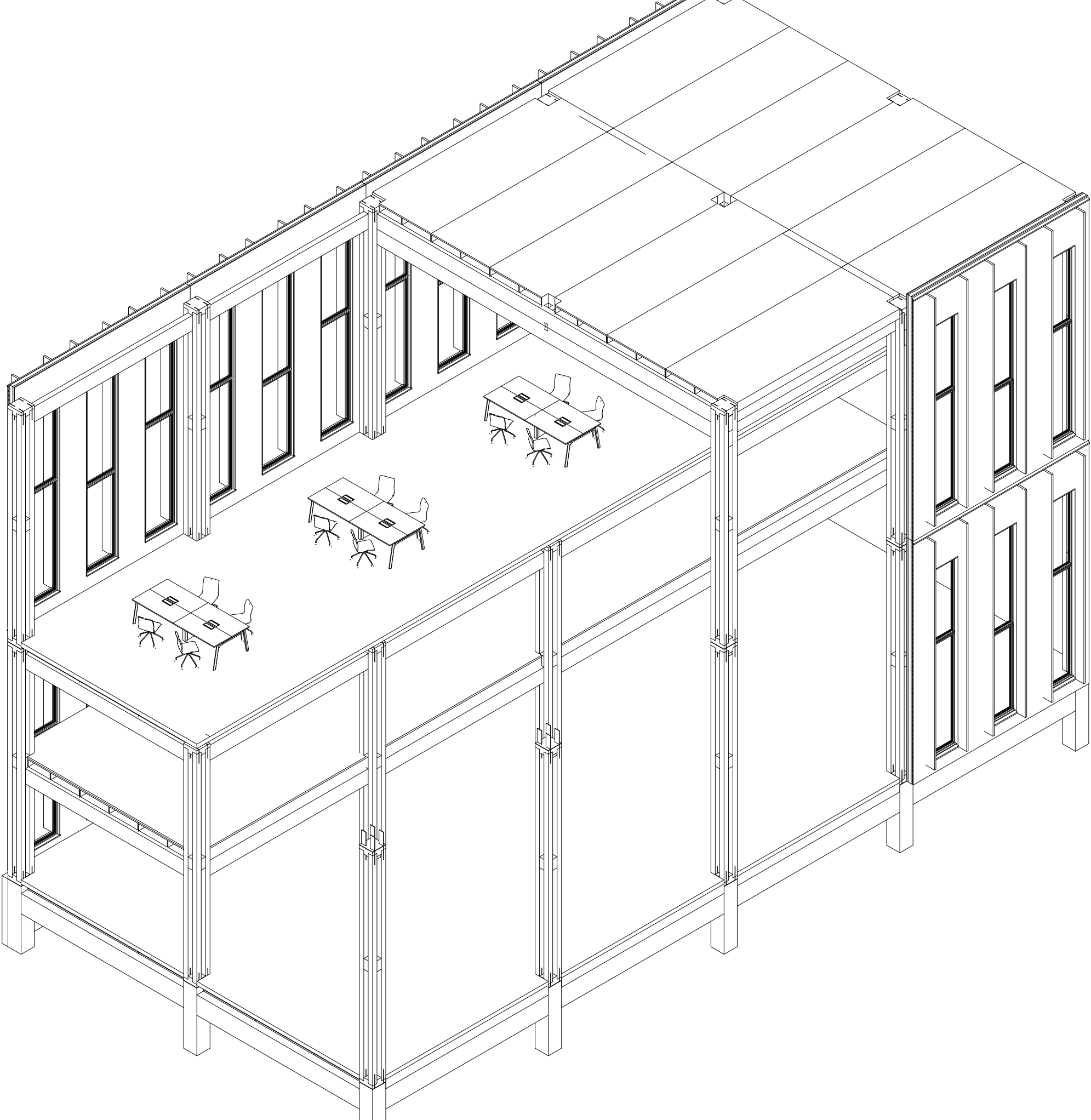
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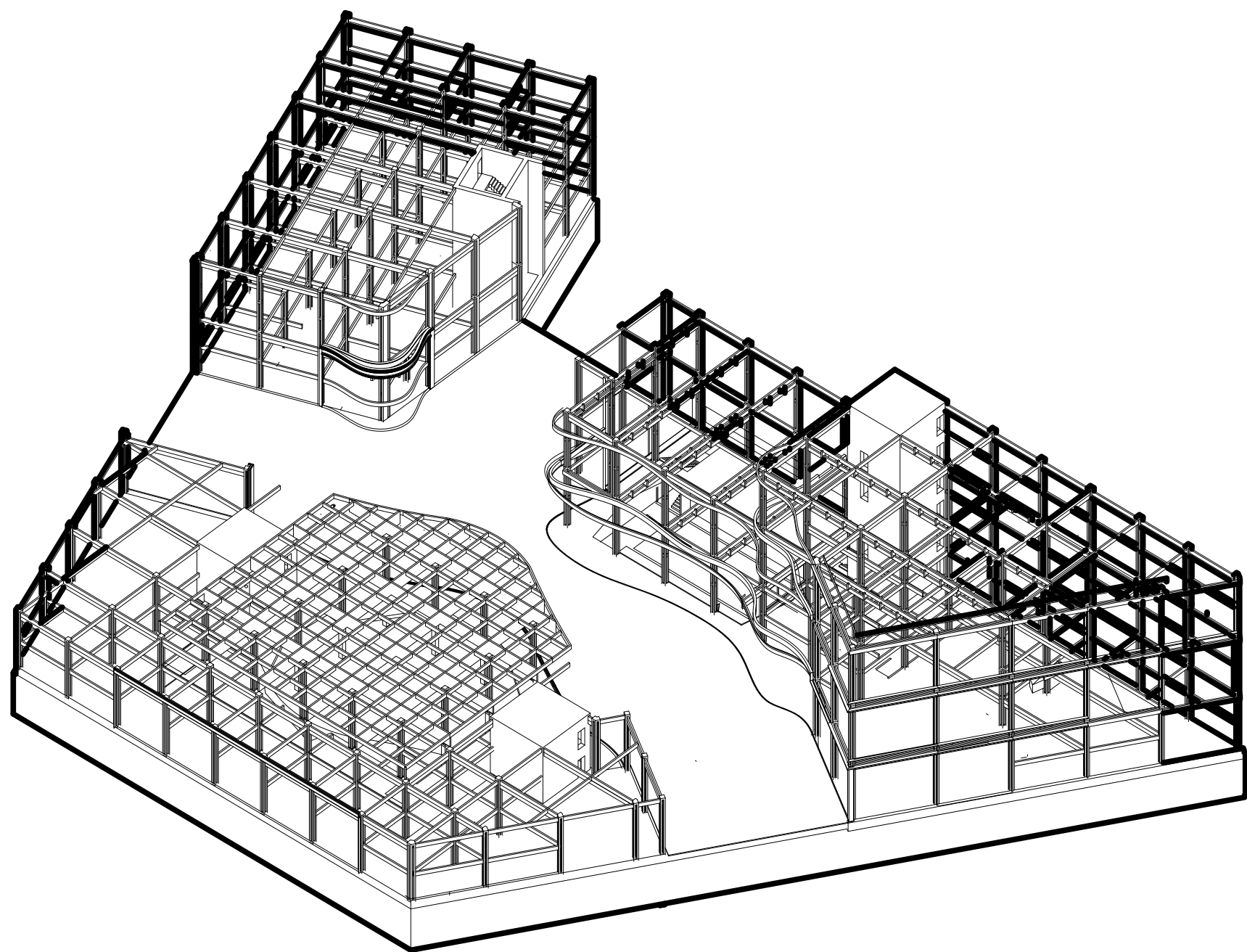
Evolution Scenario



Evolution Scenario



Structure diagram

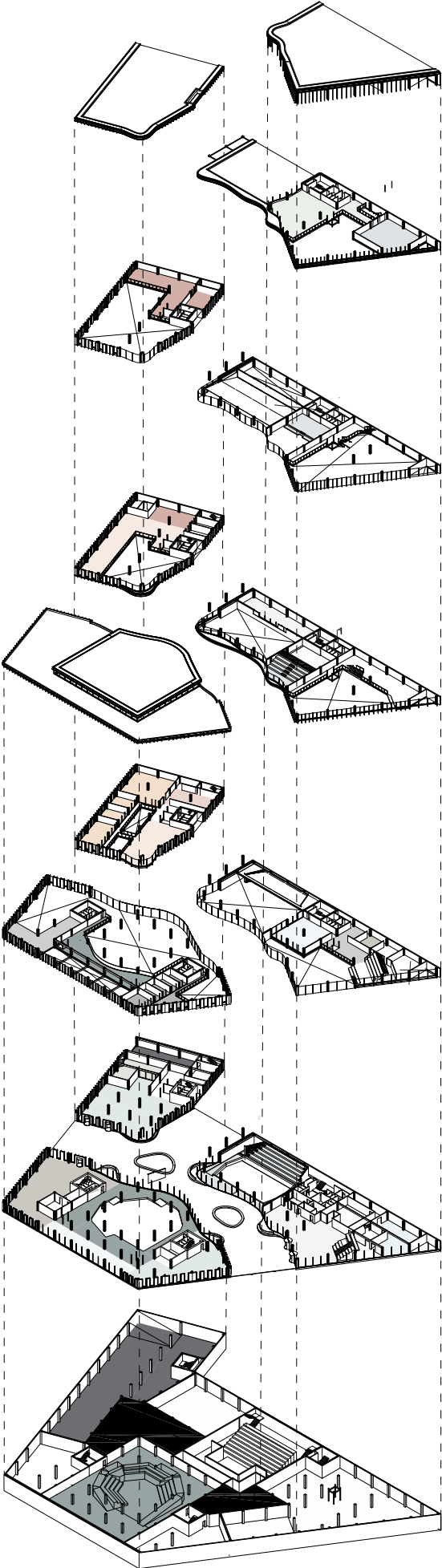


Structure Diagram
Scale 1:500

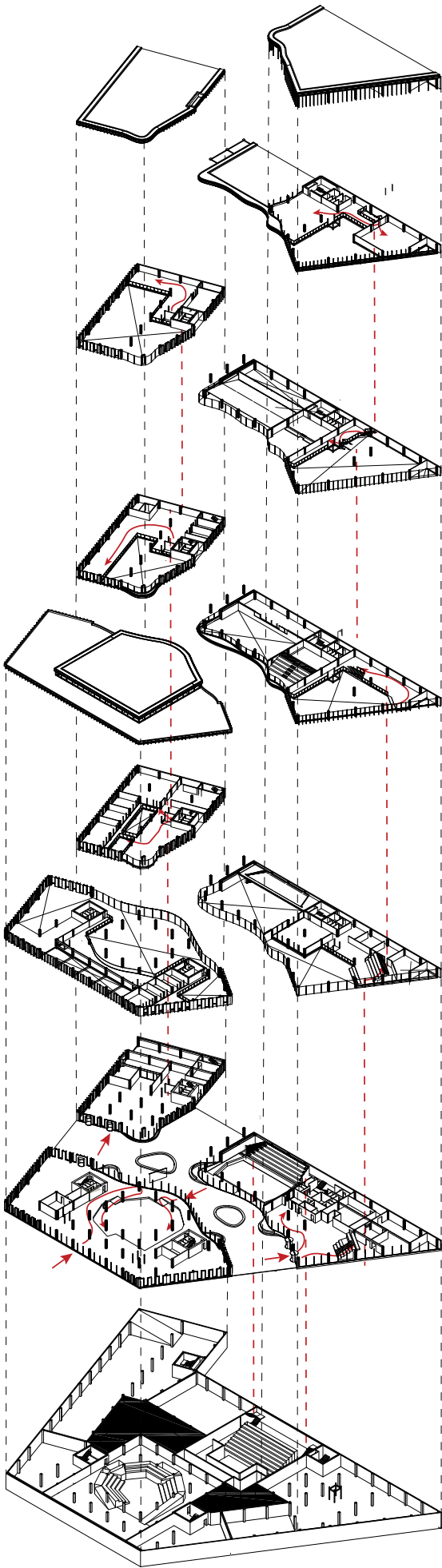
Program Overview

Legend

- Debate Forum
- Auditorium
- Exhibition Space
- Waiting Room
- Restaurant/Cafe
- Reahearsal Room
- Storage
- Skill Labs
- Workshop
- Working Space
- Library
- Shop
- Parking
- Technical Room

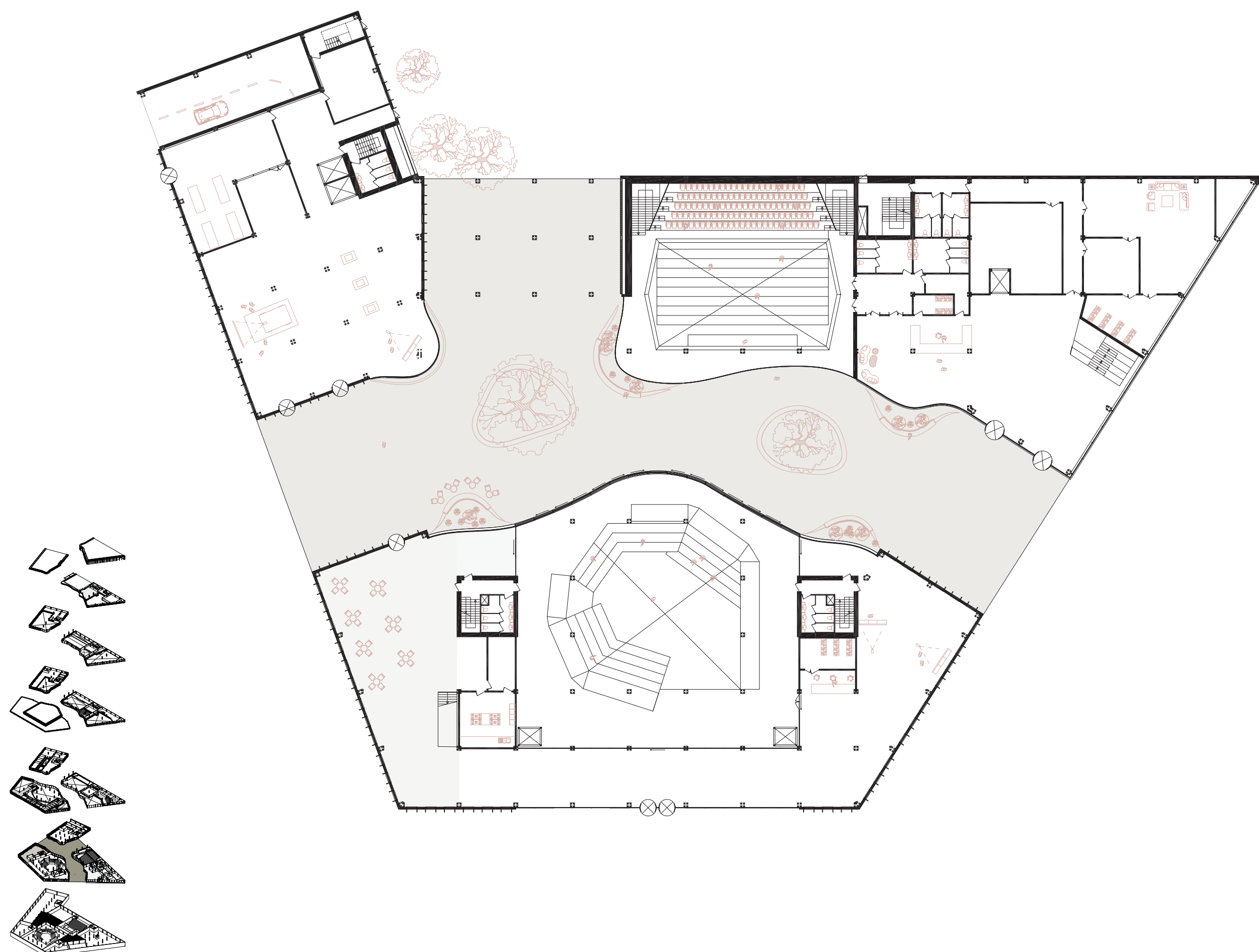


Program Axonometric Diagram



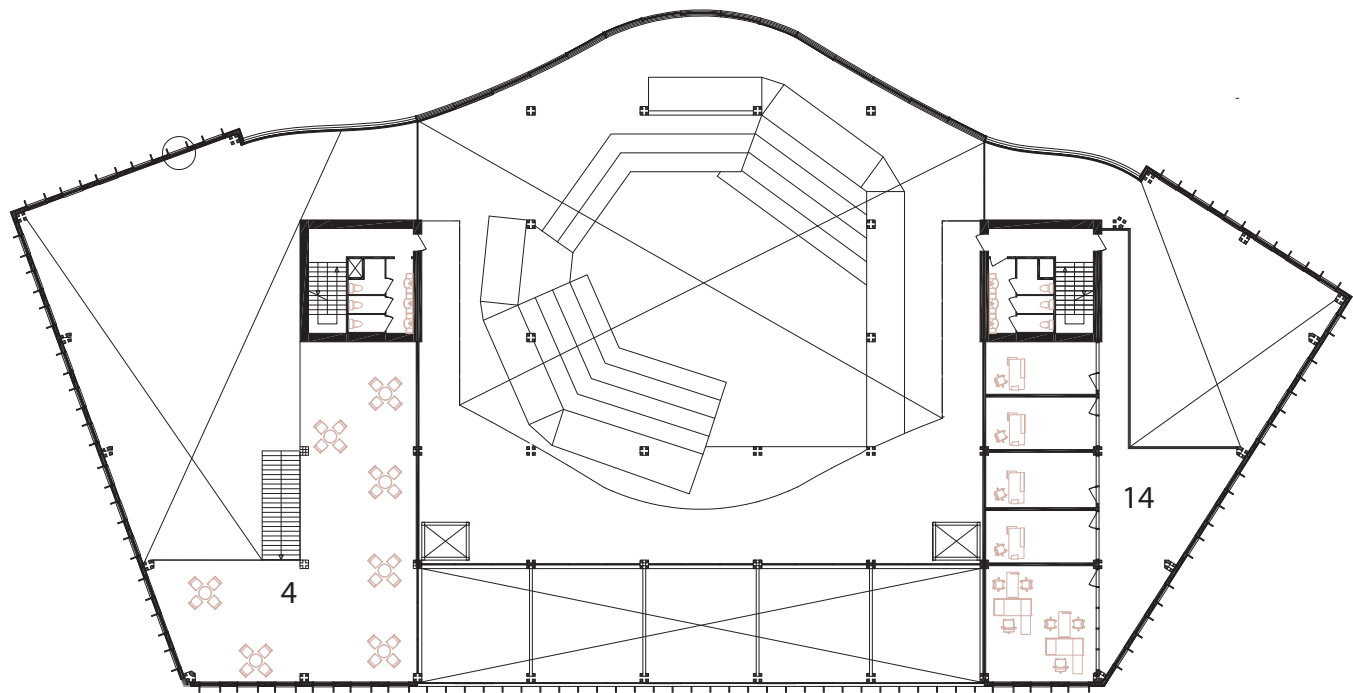
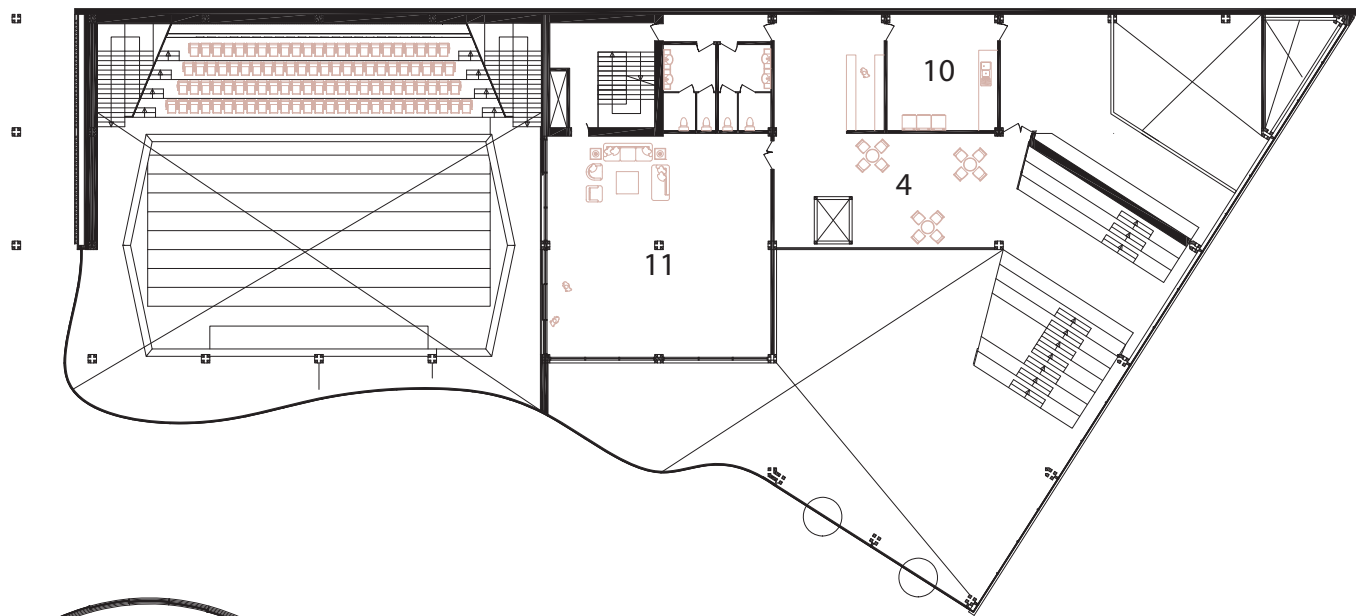
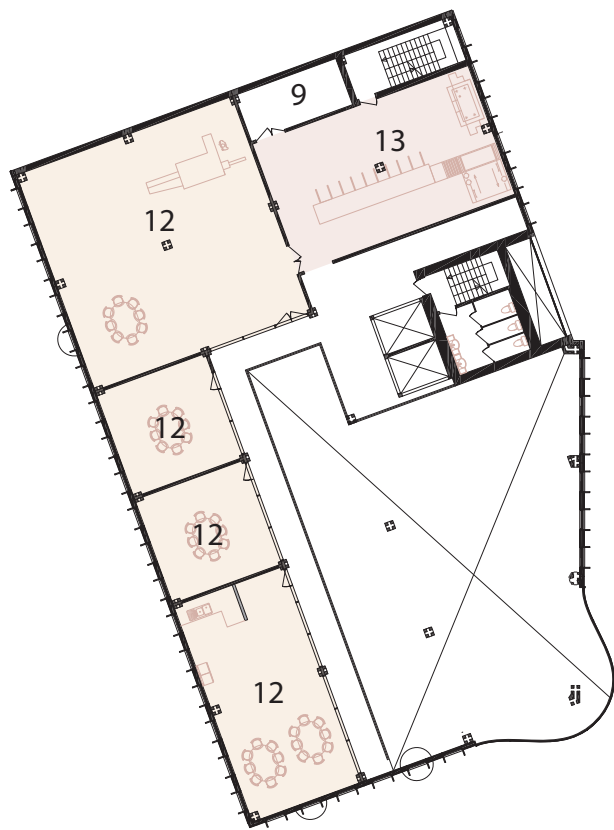
Circulation Axonometric Diagram

Leisure component



Ground floor plan
Scale 1:500

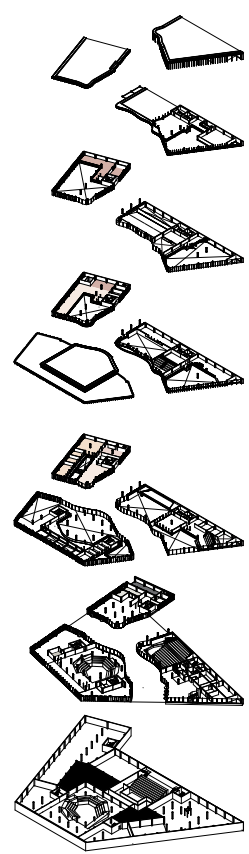
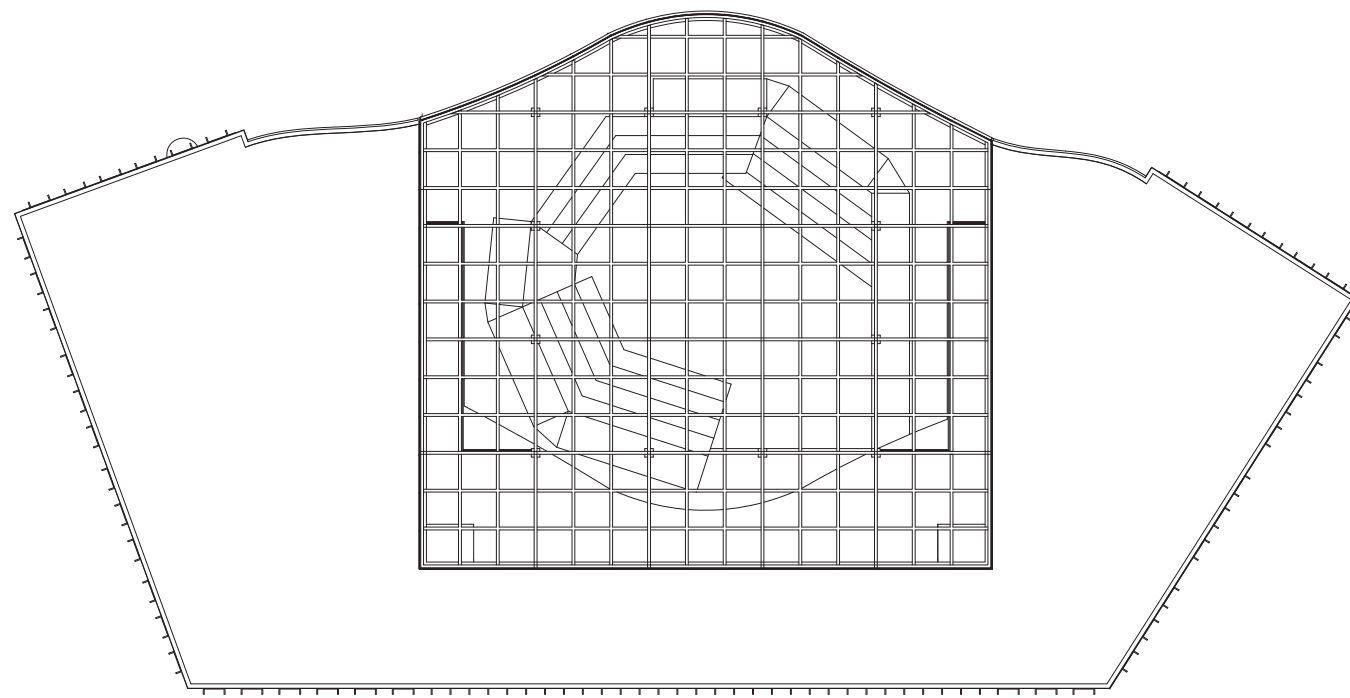
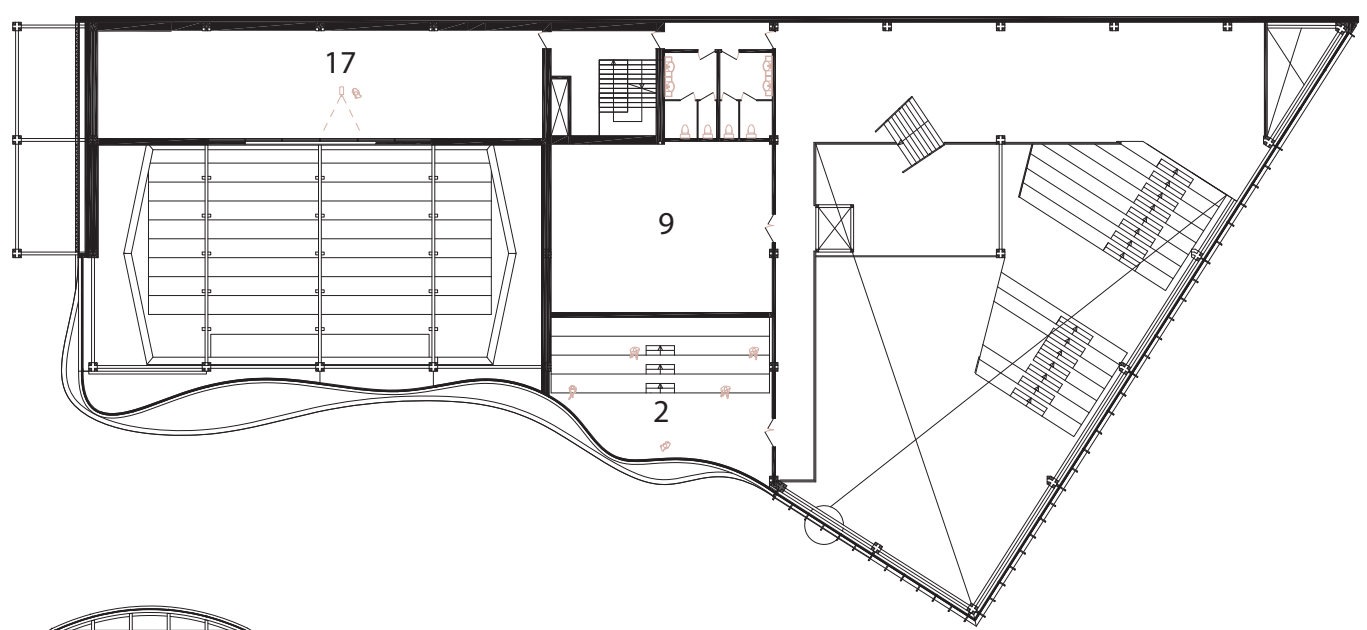
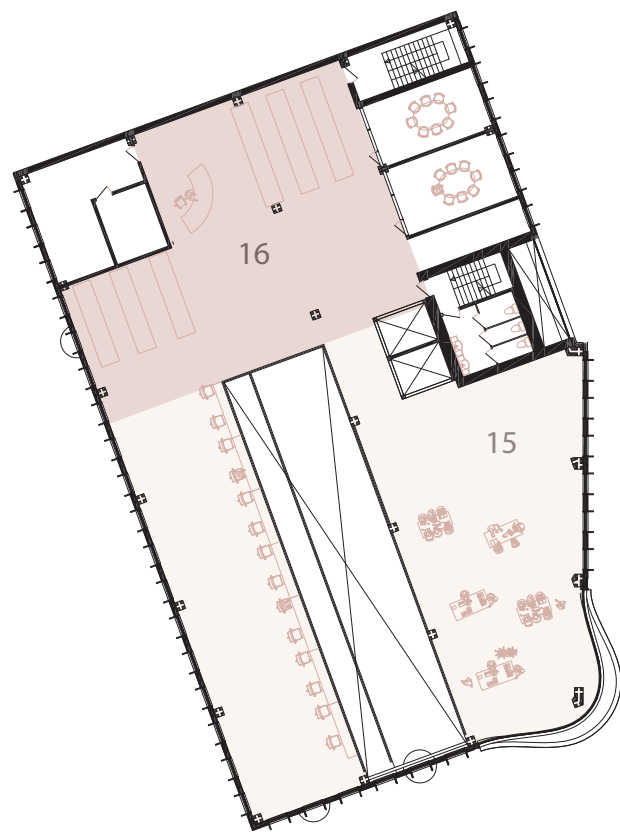
Skills Component



- 10. Kitchen
- 11. Lounge
- 12. Skill Lab
- 13. Workshop
- 14. Office

First floor plan
Scale 1:500

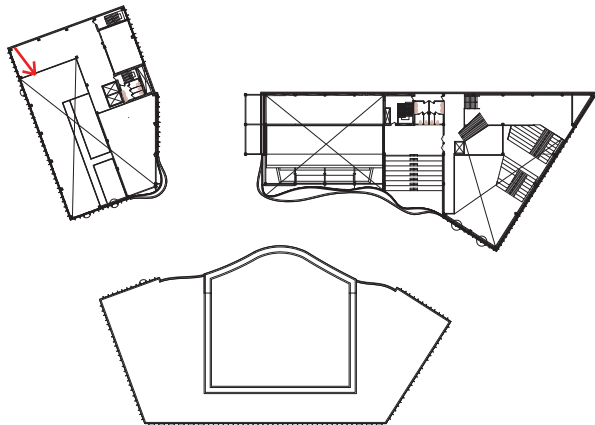
Skills Component



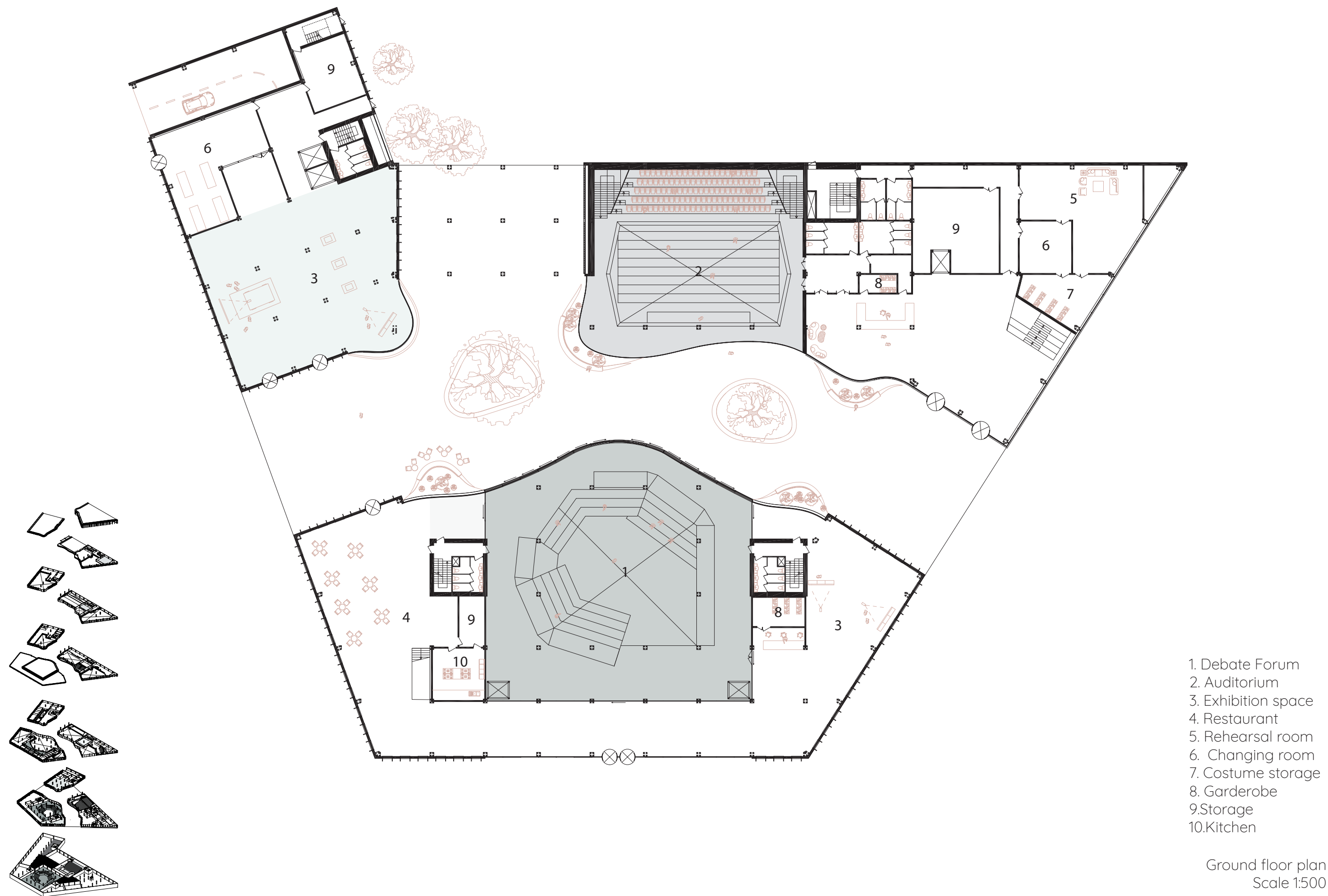
- 2. Auditorium
- 9. Storage
- 15. Working space
- 16. Library
- 17. Technical room

Second floor plan
Scale 1:500

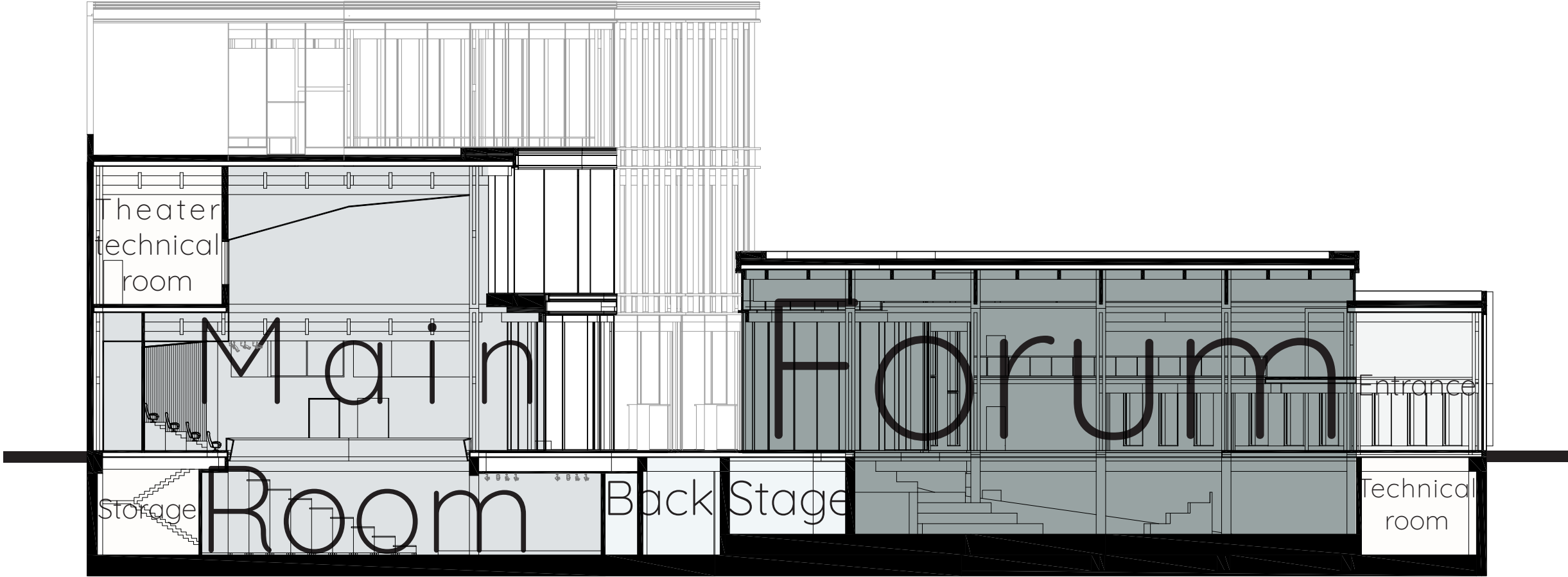
Skills Component



Knowledge functions

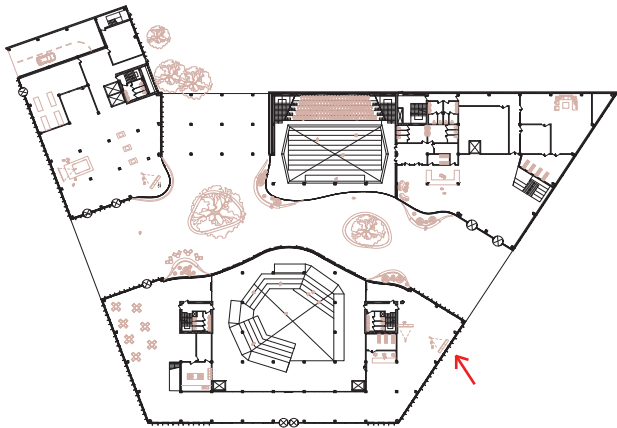


Theater and Forum

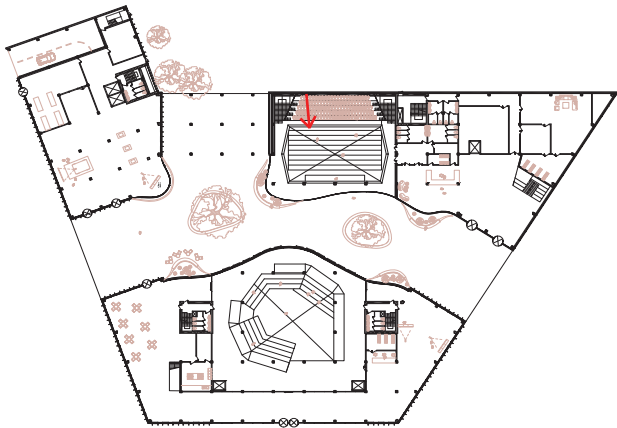


Schematic Program Section
Scale 1:500

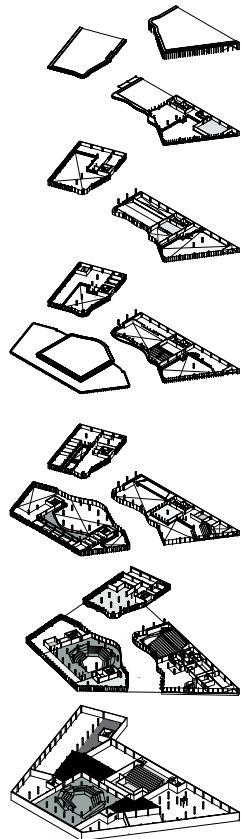
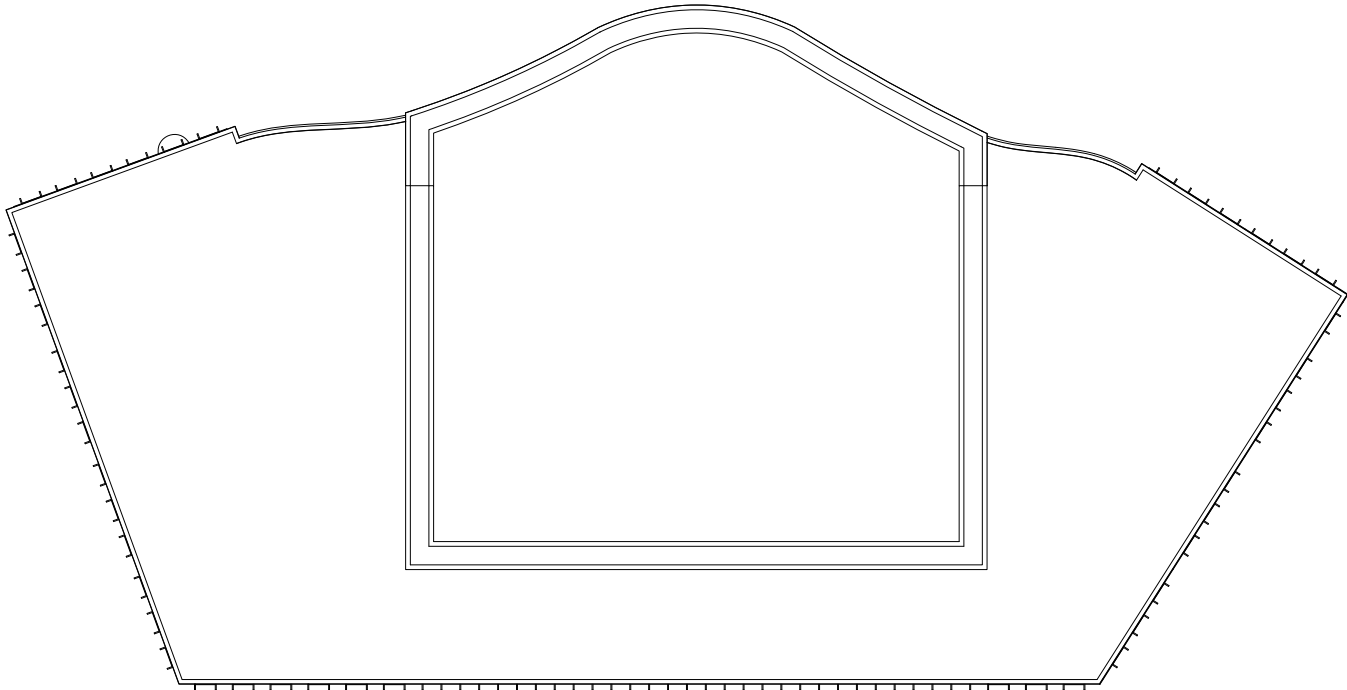
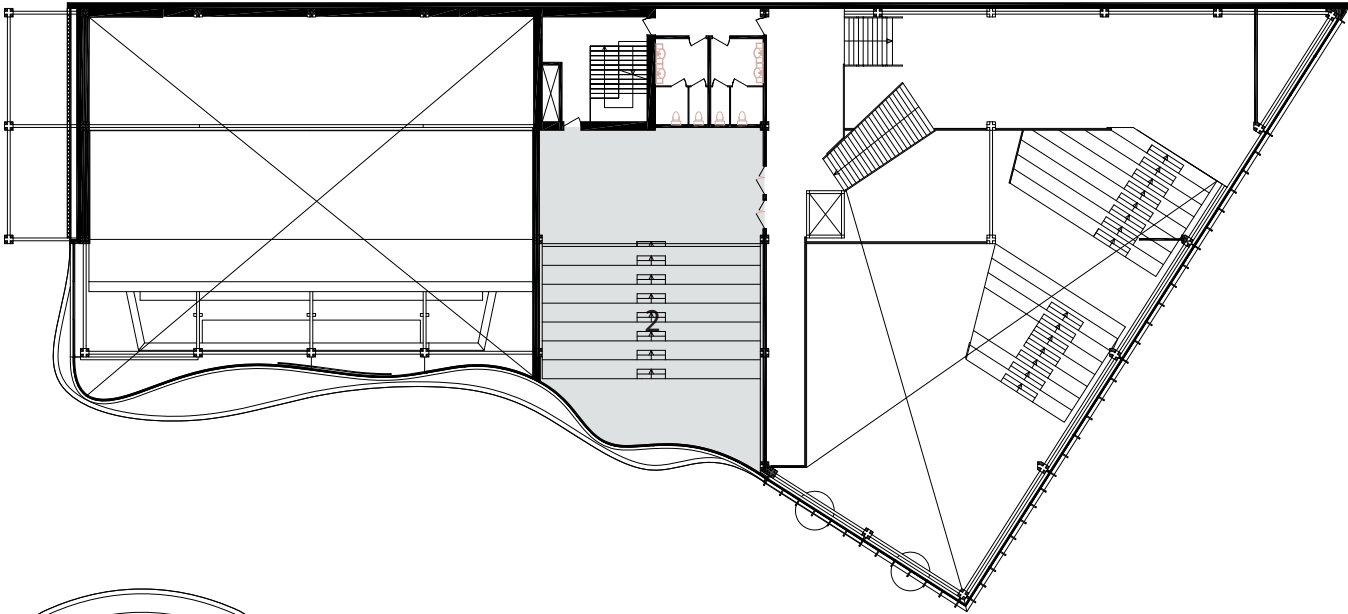
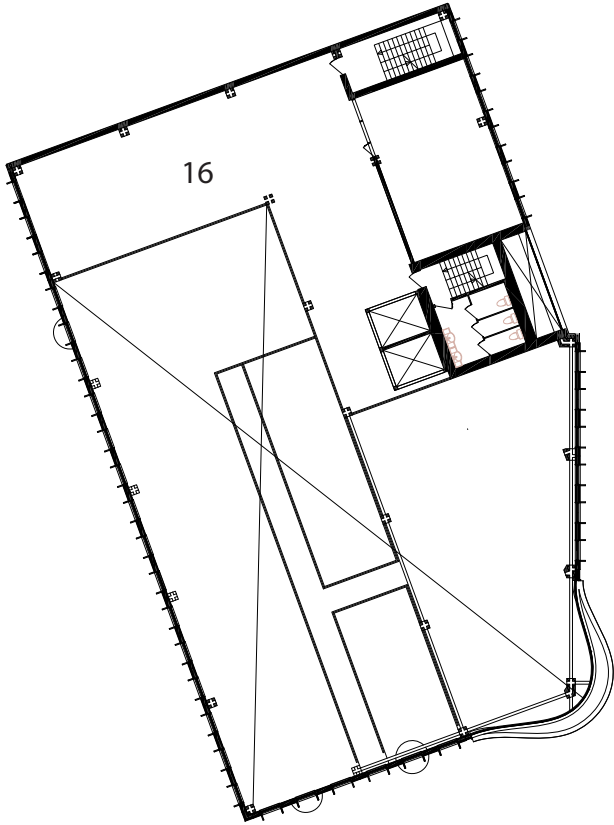
Knowledge functions



Knowledge functions

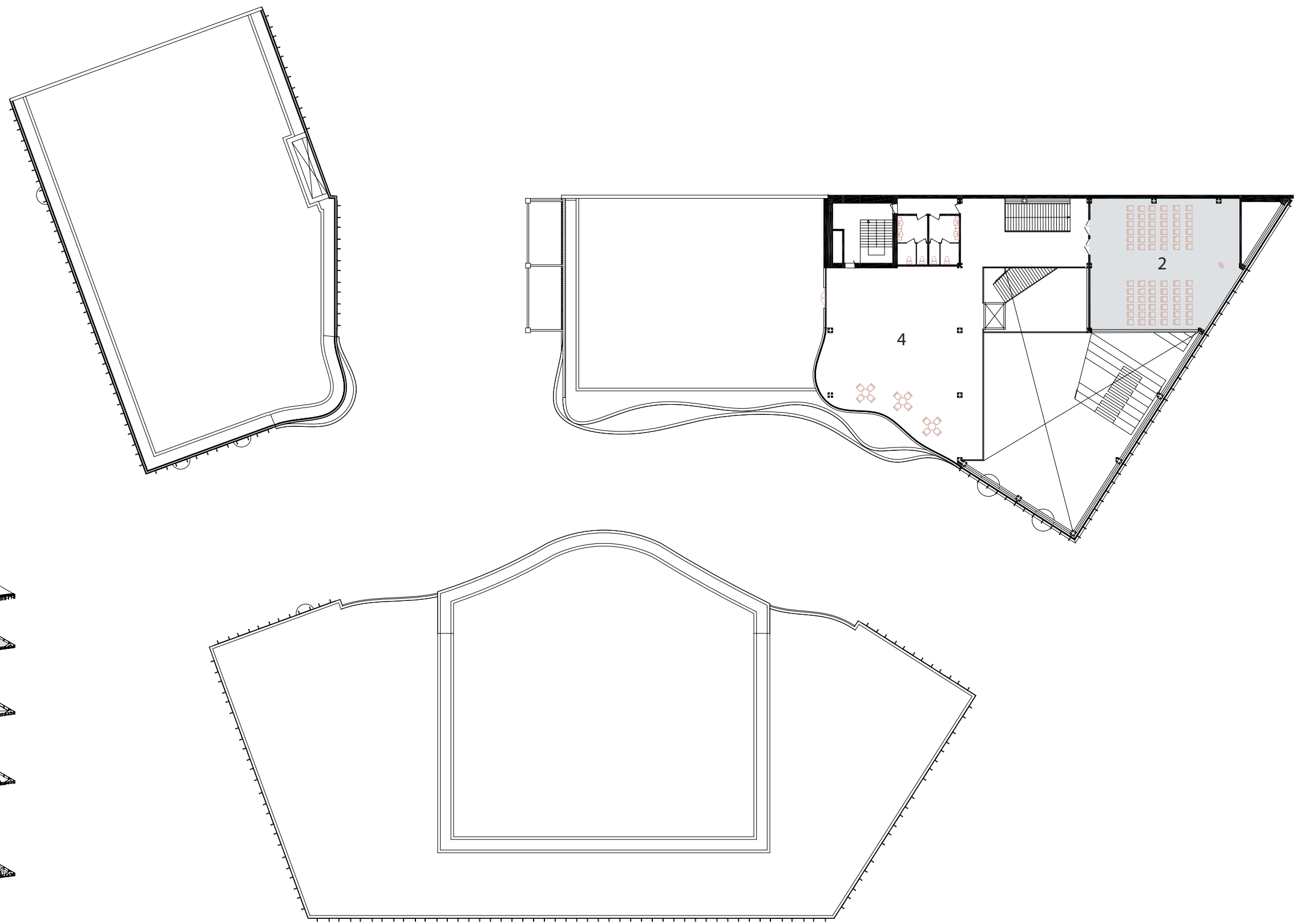
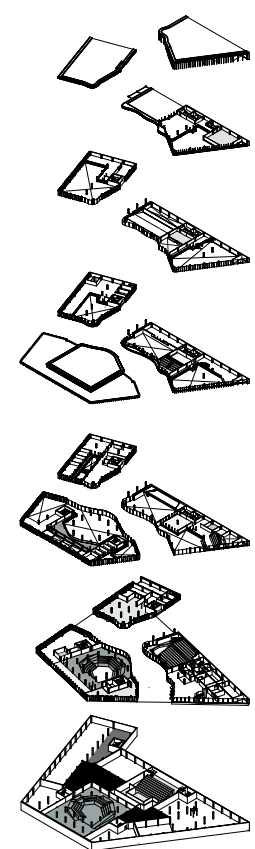


Knowledge functions



2. Auditorium
16. Library
Third floor plan
Scale 1:500

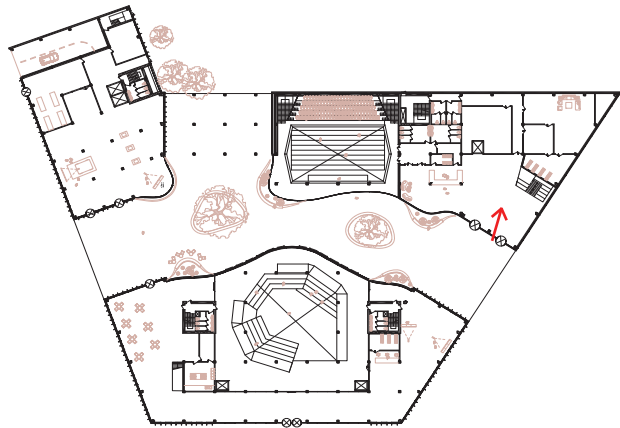
Knowledge functions



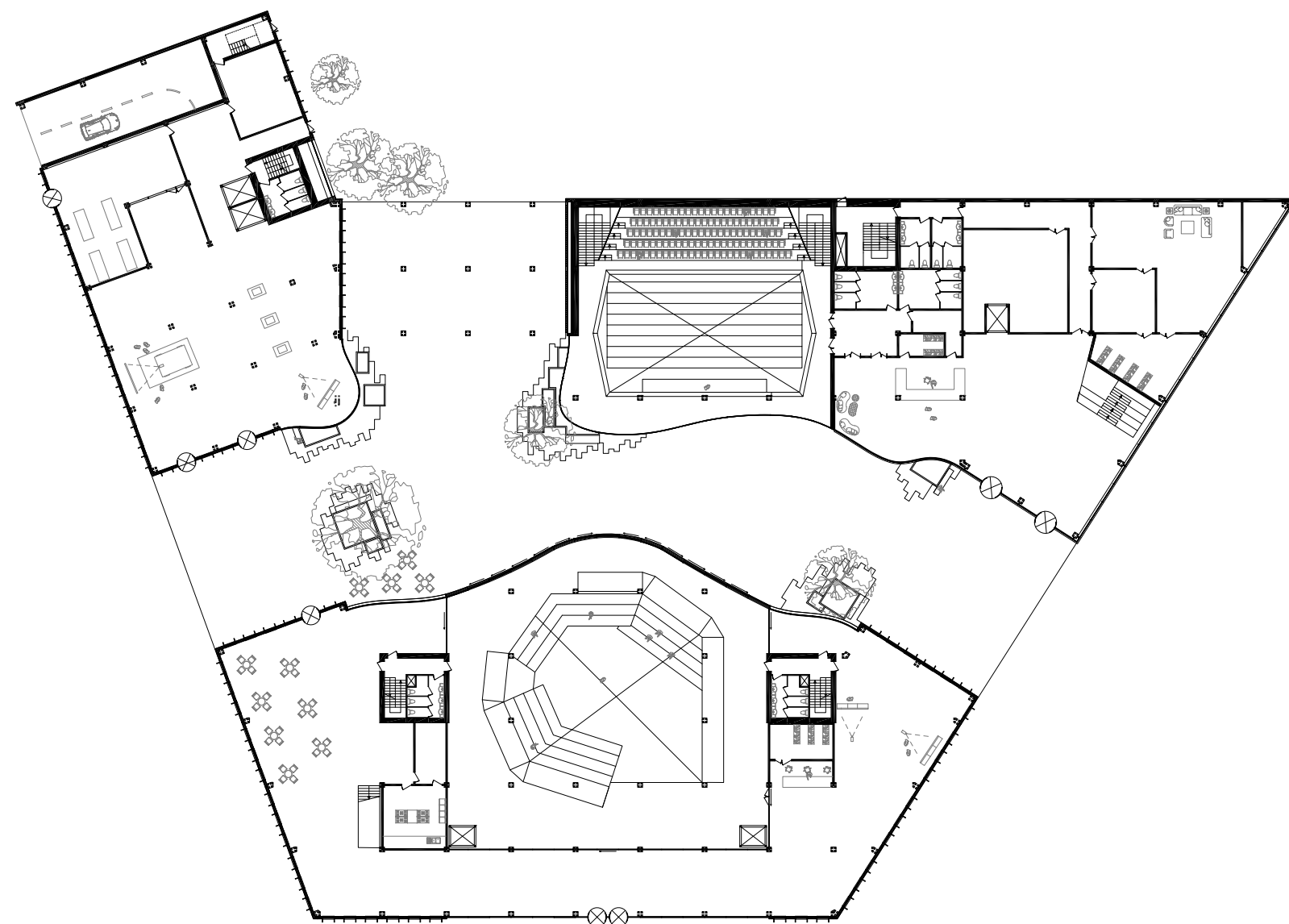
2. Auditorium
4. Restaurant

Fourth floor plan
Scale 1:500

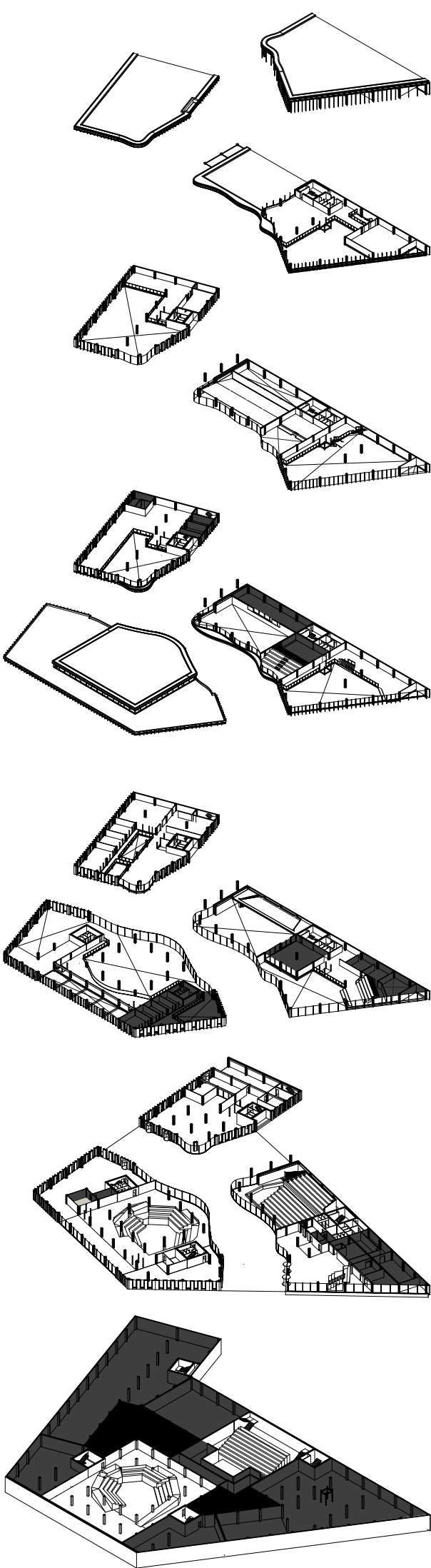
Knowledge functions



Open Ground floor strategy

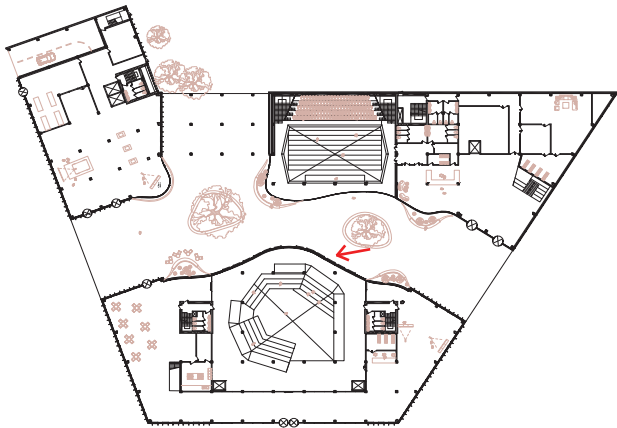
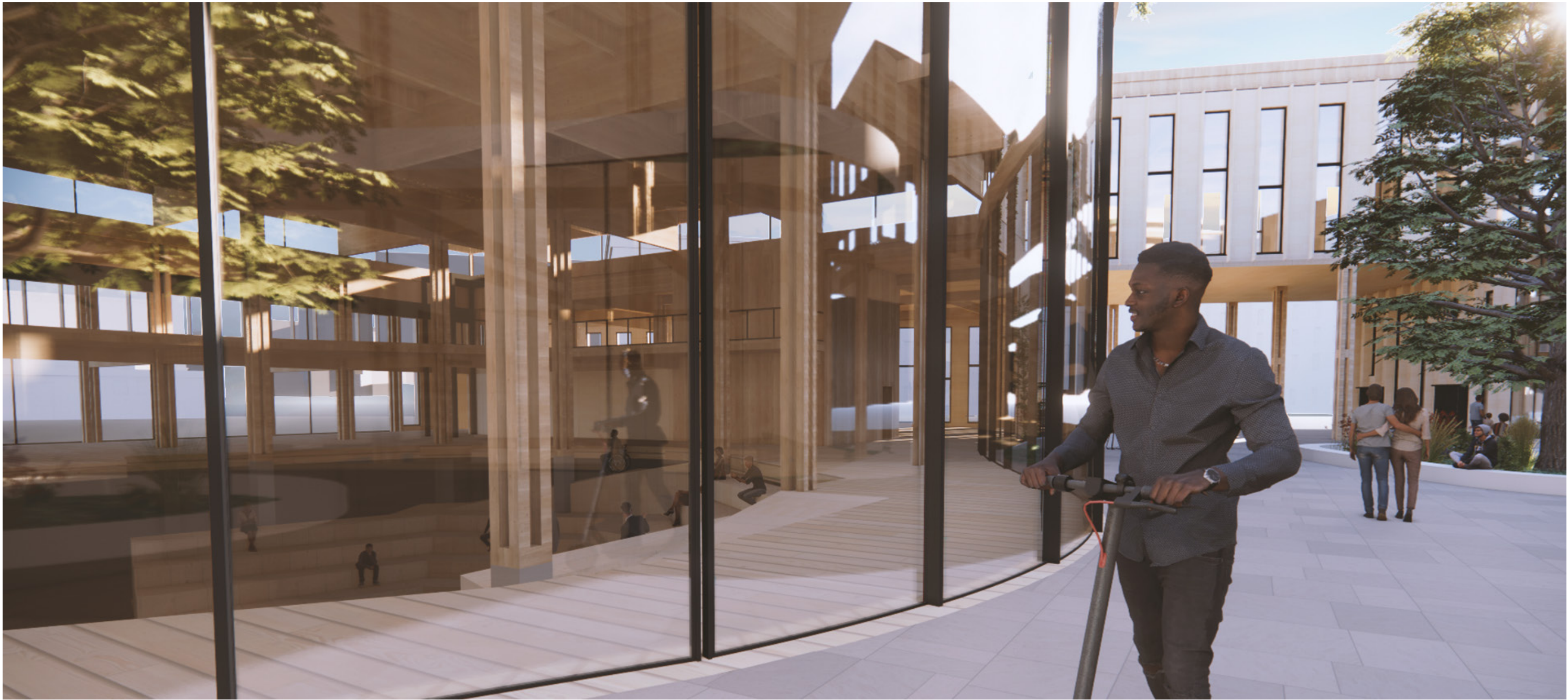


Ground floor plan
Scale 1:500

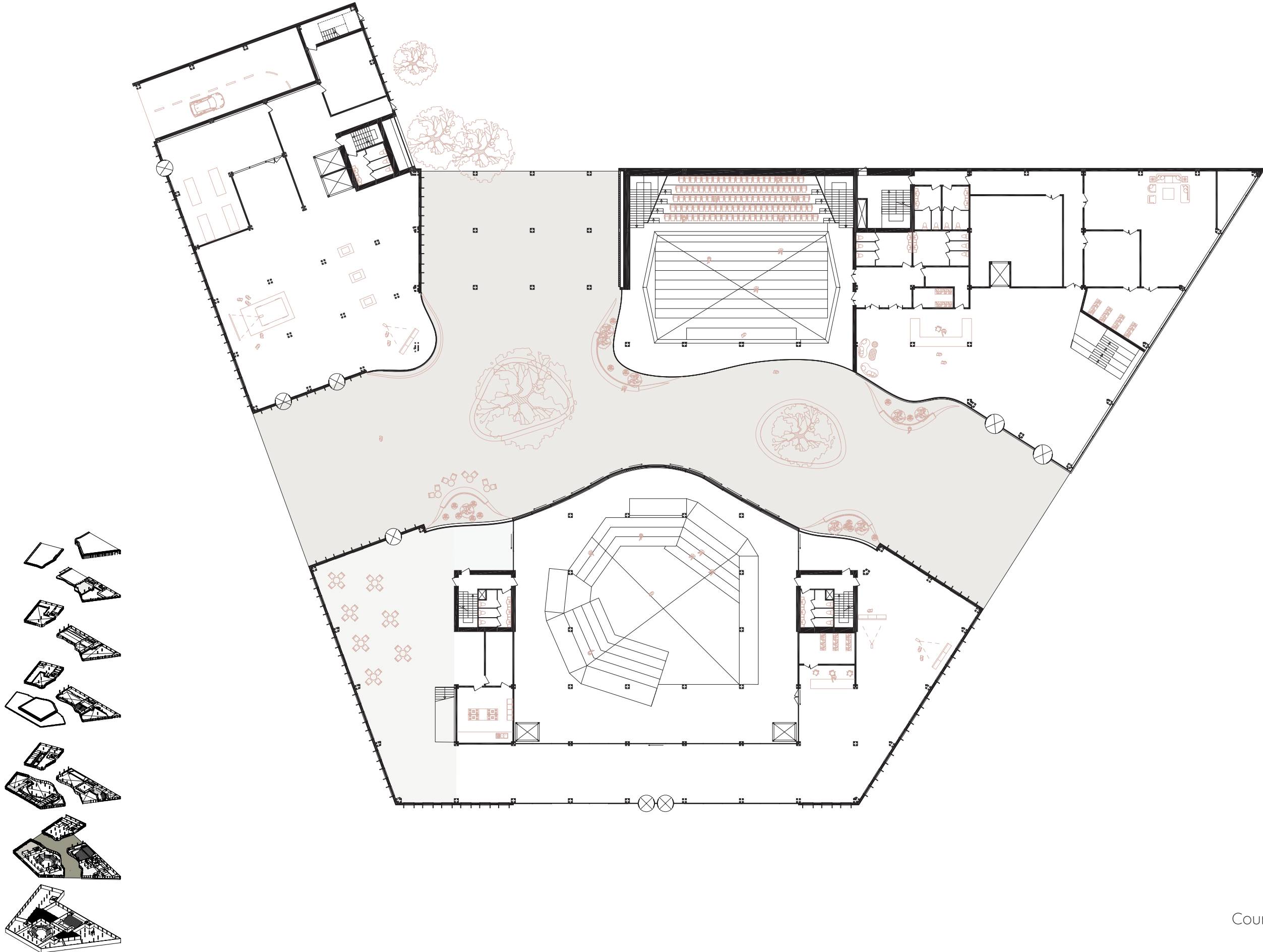


Nolli Axonometric
Diagram

Open Ground floor strategy

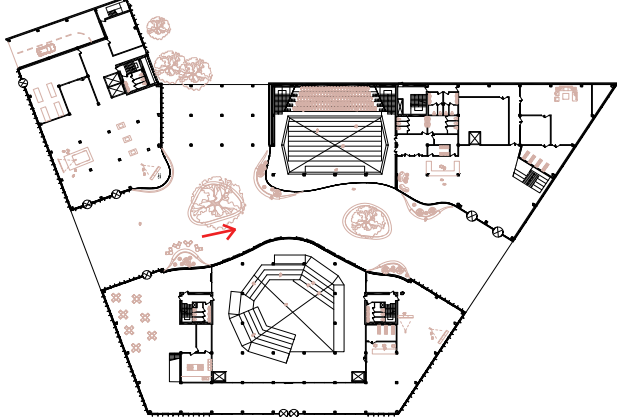


Courtyard Strategy

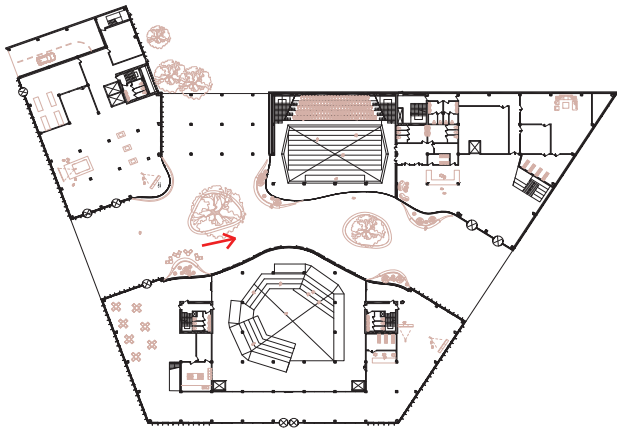


Courtyard Plan Diagram
Scale 1:500

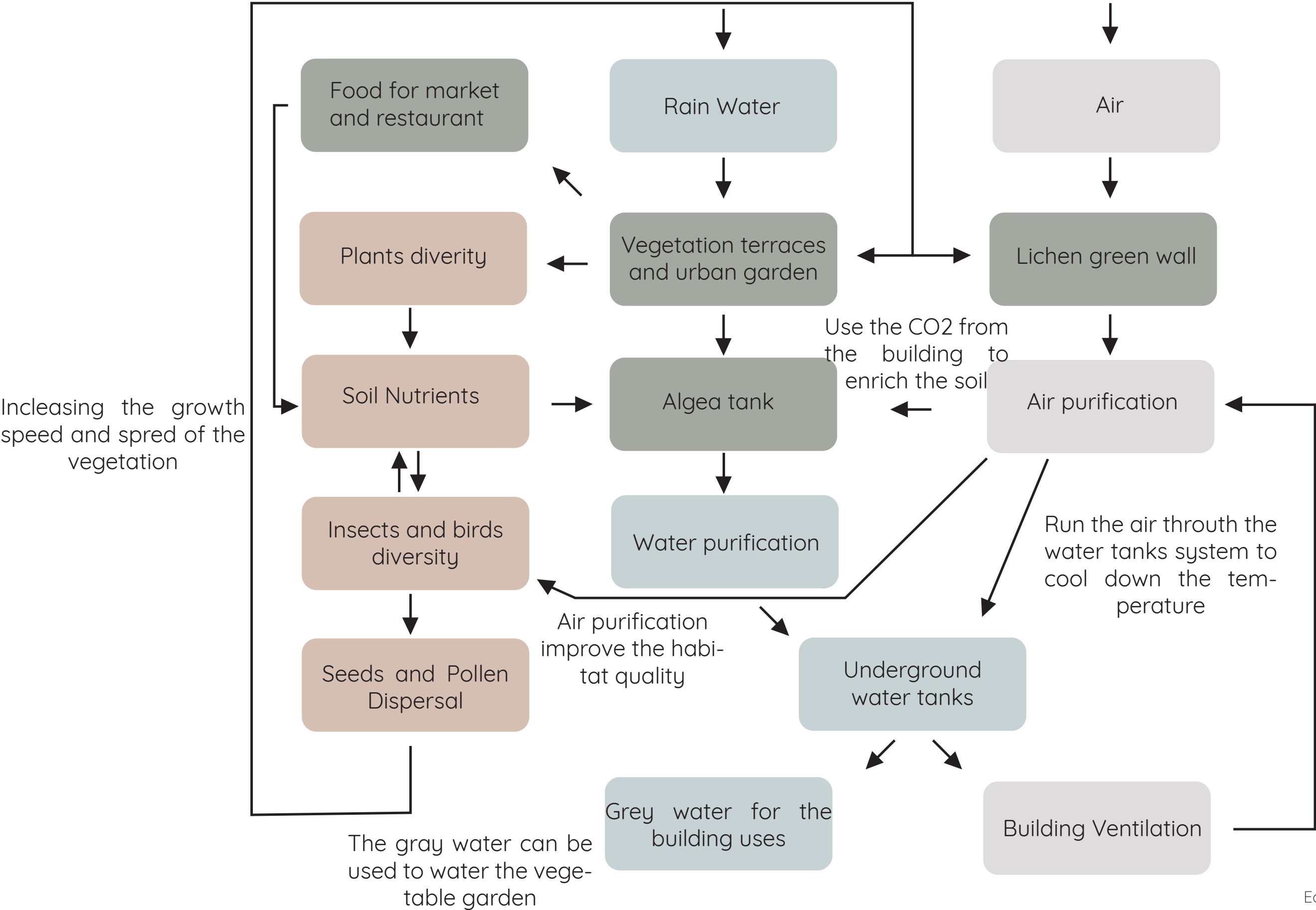
Courtyard Strategy



Courtyard Strategy

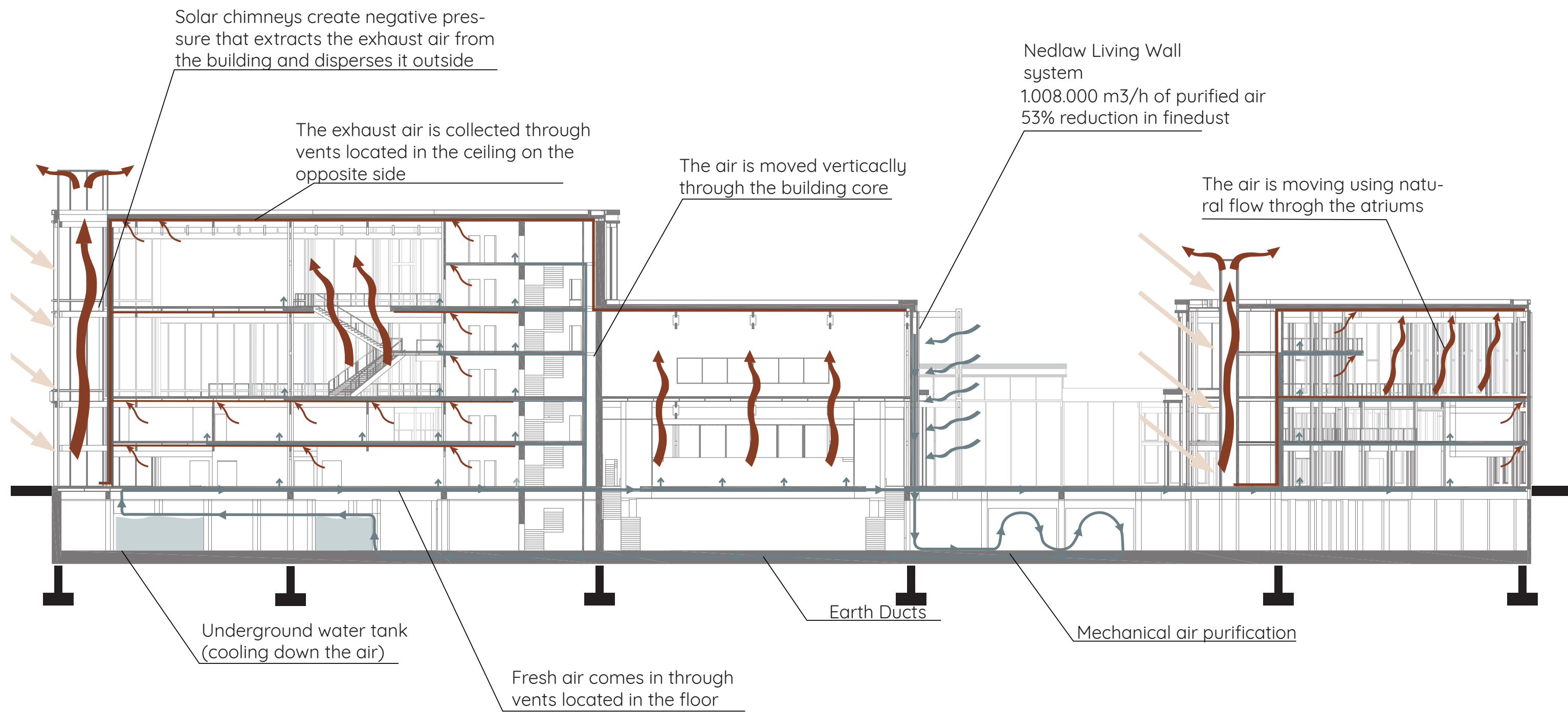


Ecosystem

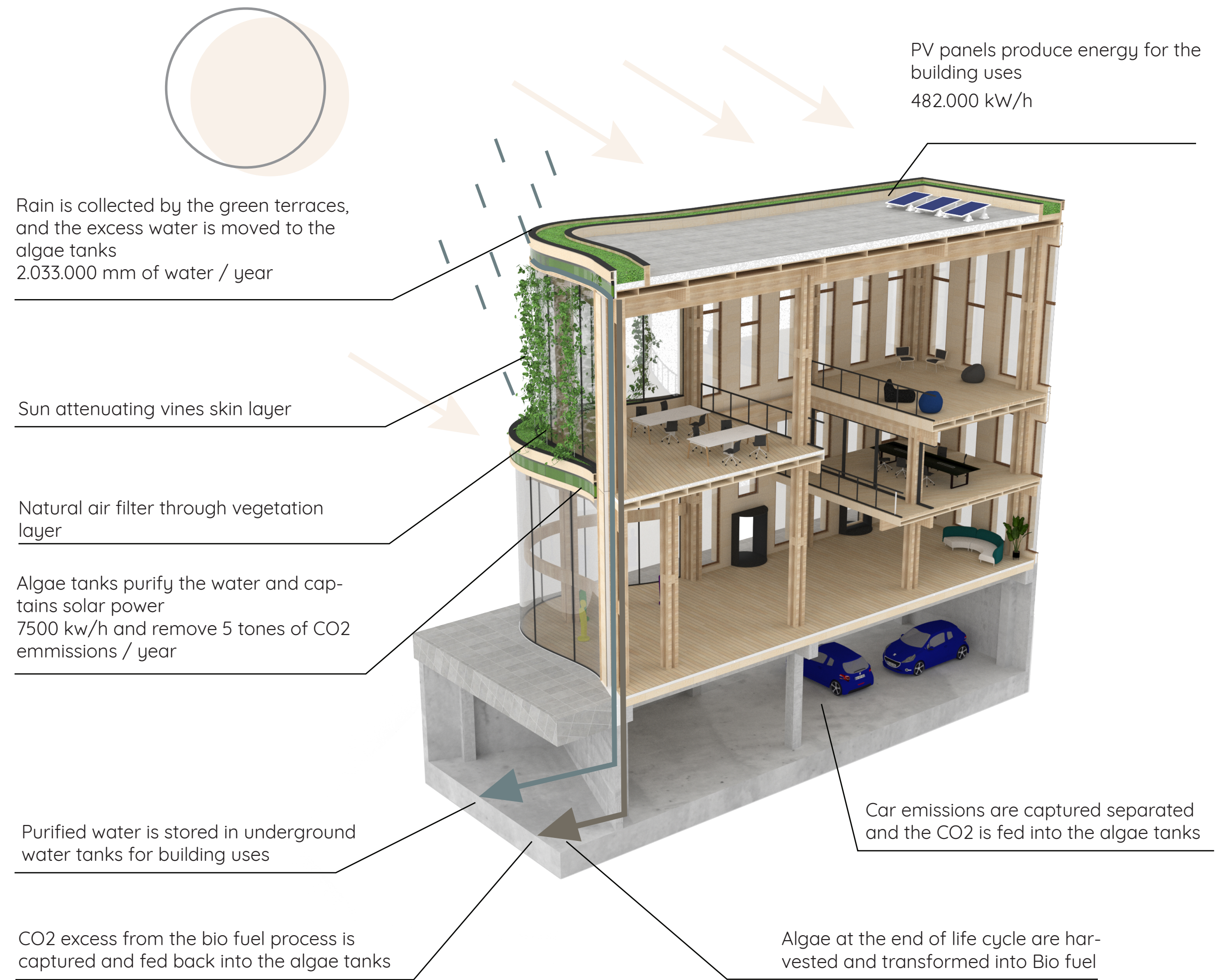


Ecosystem Diagram

Climate Diagram

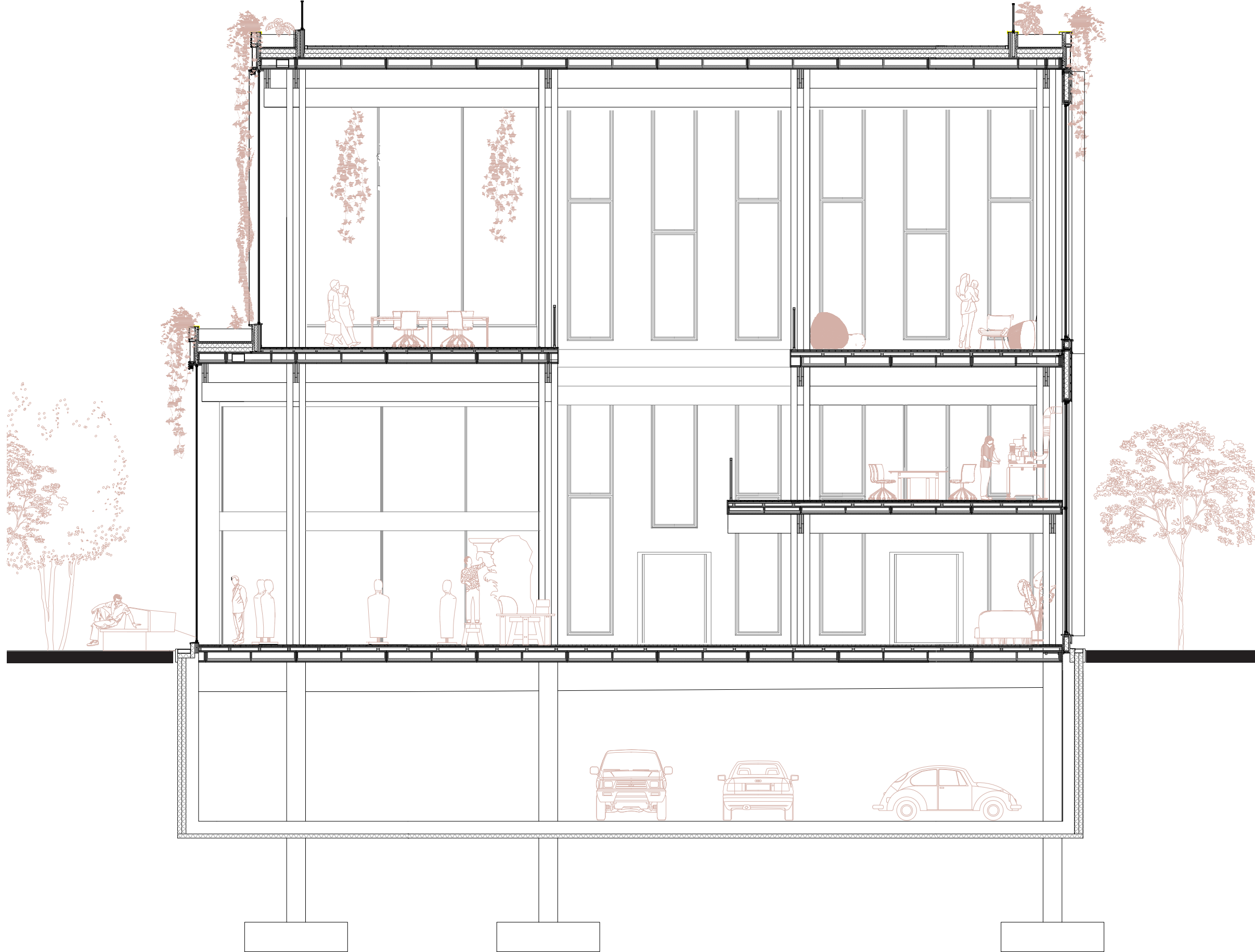


Ecosystem



Ecosystem Fragment Diagram

Fragment



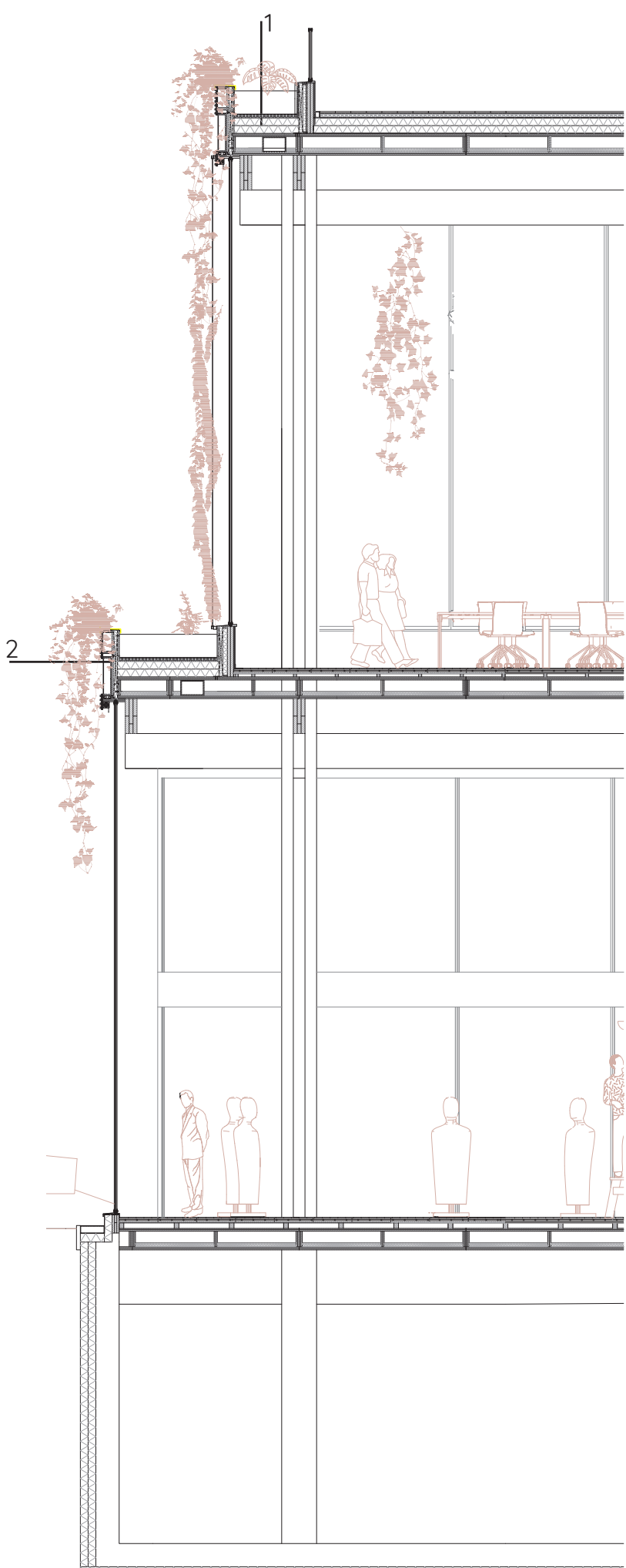
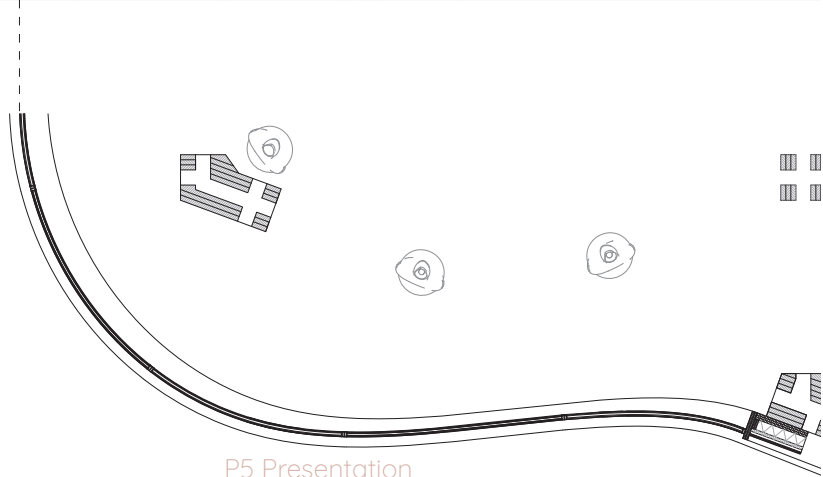
Interior facade

1. Green Terraces

- Plug plants
- Extensive substrate – 300mm
- Filter fleece
- Drainage water storage element – 40mm
- Perl drainage material
- Protection and storage fleece
- Water membrane
- Double rock wool insulation – 200mm
- Vapor retarder
- Plywood hollow floor element – 280mm
- Ventilation shaft
- Soundproof insulation

2 Green Terraces

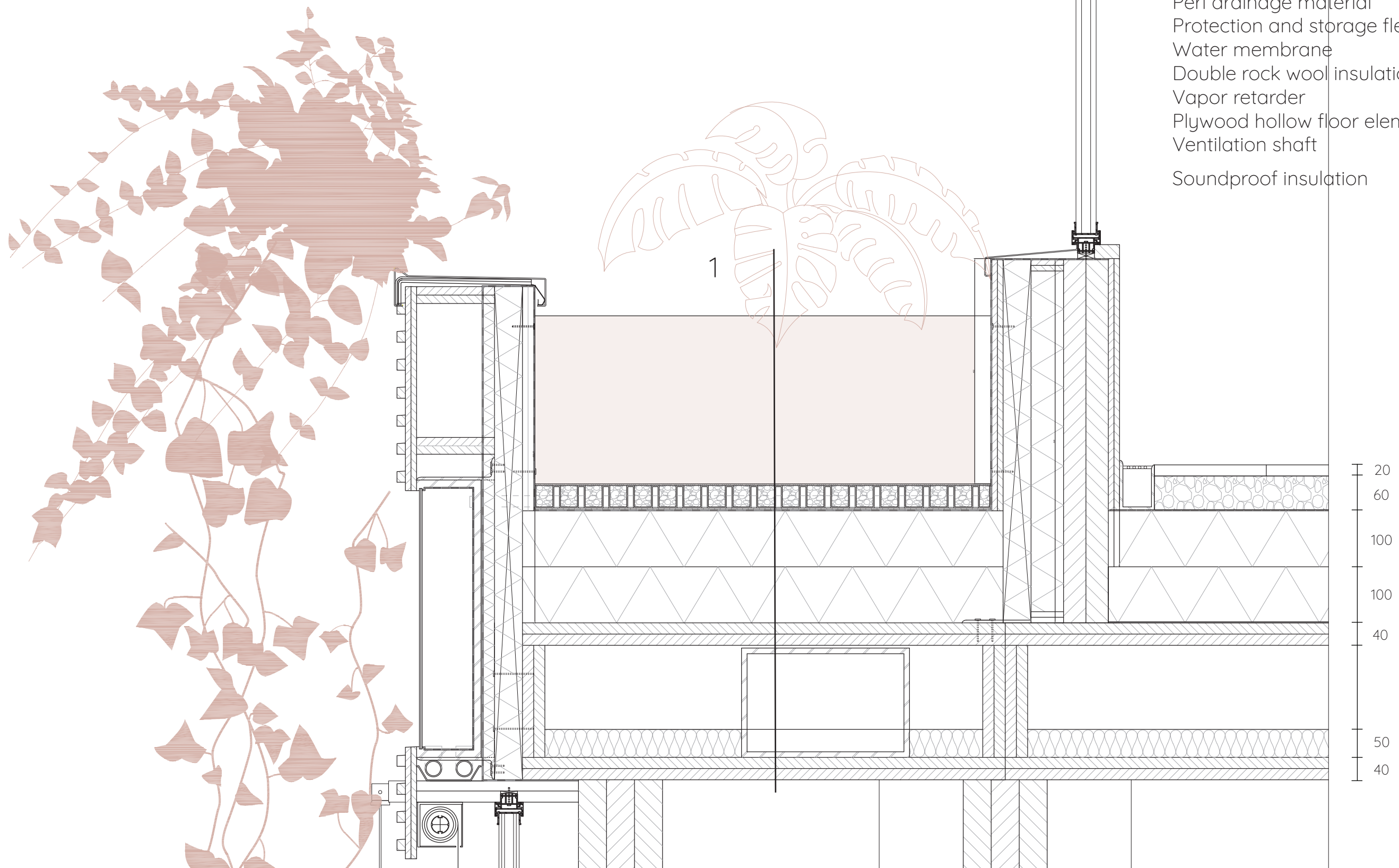
- External cladding: Plywood panels – 20mm
- Algae tank
- Timber battens – 130mm
- Water membrane
- Double rock wool insulation – 70mm
- Timber poles – 50mm
- Plywood panel – 20mm
- Water membrane



Combination Drawing Scale 1:20

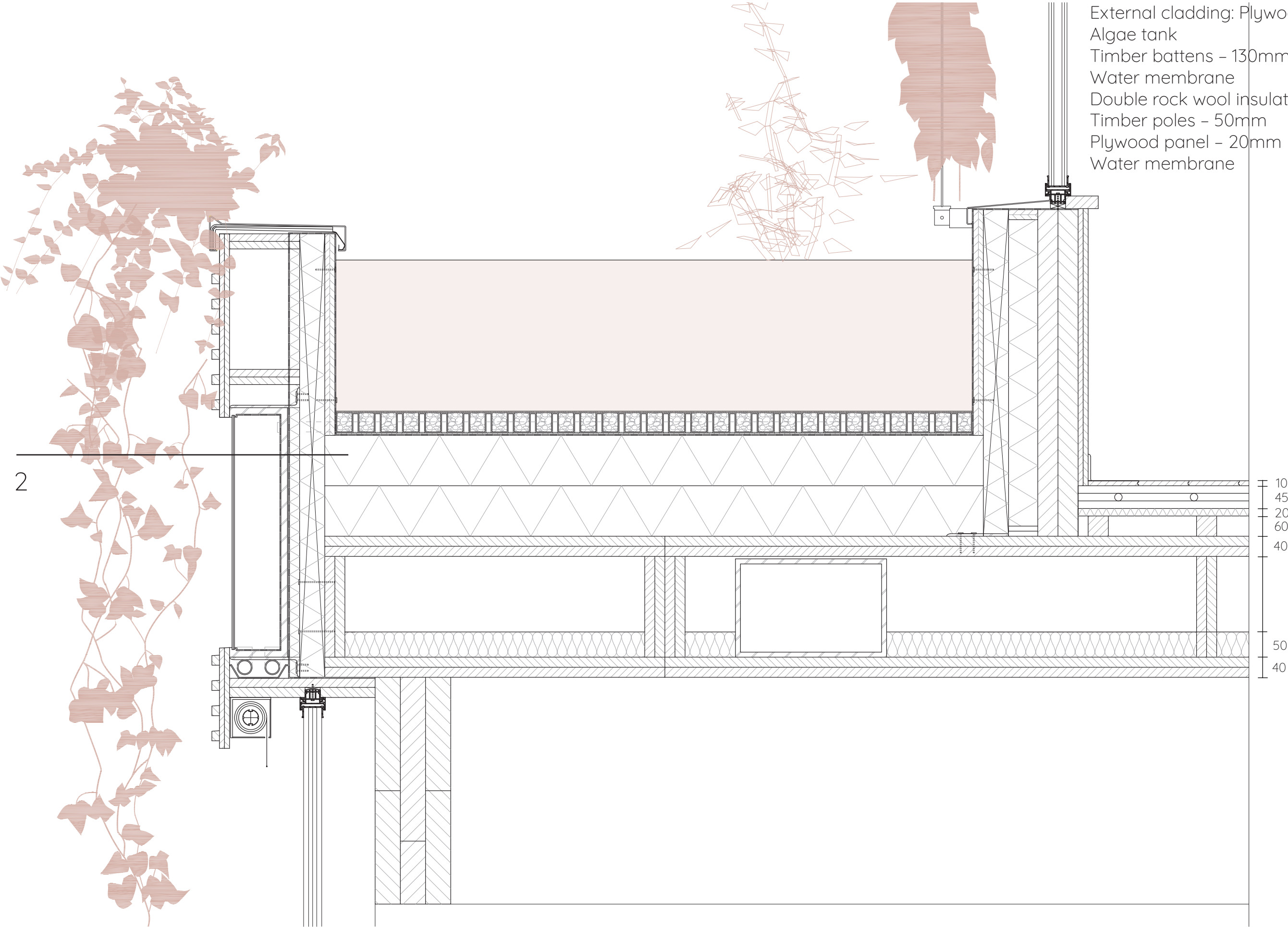
1. Green Terraces

- Plug plants
- Extensive substrate – 300mm
- Filter fleece
- Drainage water storage element – 40mm
- Perl drainage material
- Protection and storage fleece
- Water membrane
- Double rock wool insulation – 200mm
- Vapor retarder
- Plywood hollow floor element – 280mm
- Ventilation shaft
- Soundproof insulation



Detail 1
Scale 1:5

2 Green Terraces



- External cladding: Plywood panels – 20mm
- Algae tank
- Timber battens – 130mm
- Water membrane
- Double rock wool insulation – 70mm
- Timber poles – 50mm
- Plywood panel – 20mm
- Water membrane

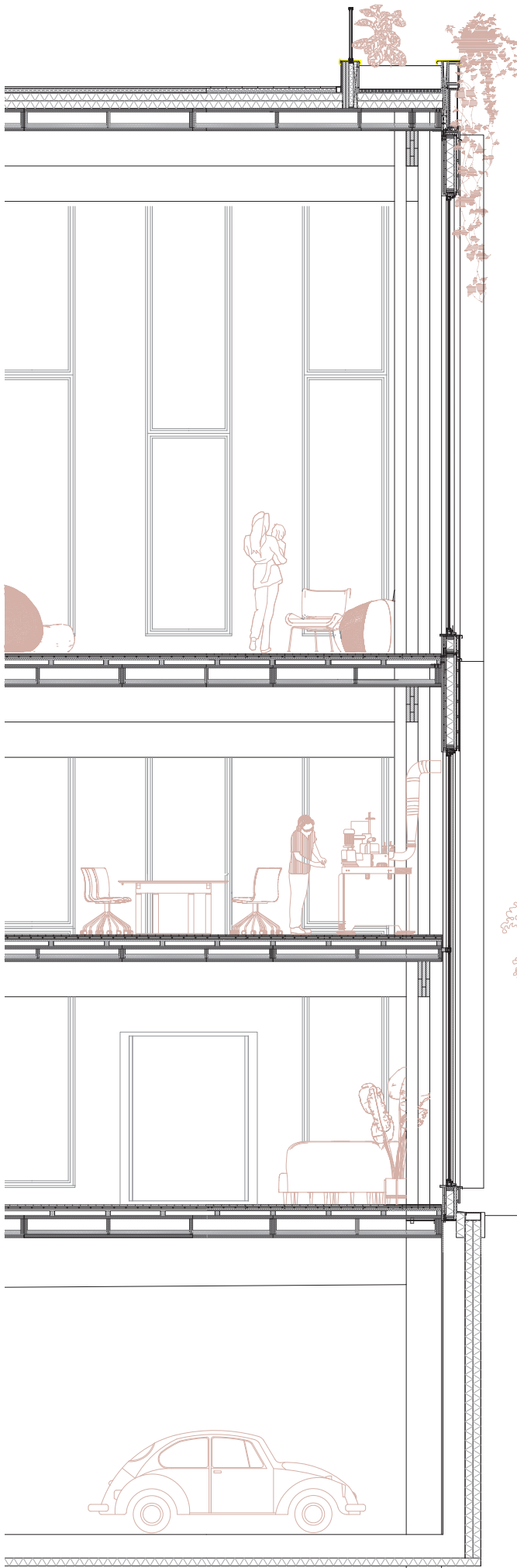
2

10
45
20
60
40
50
40

Exterior facade

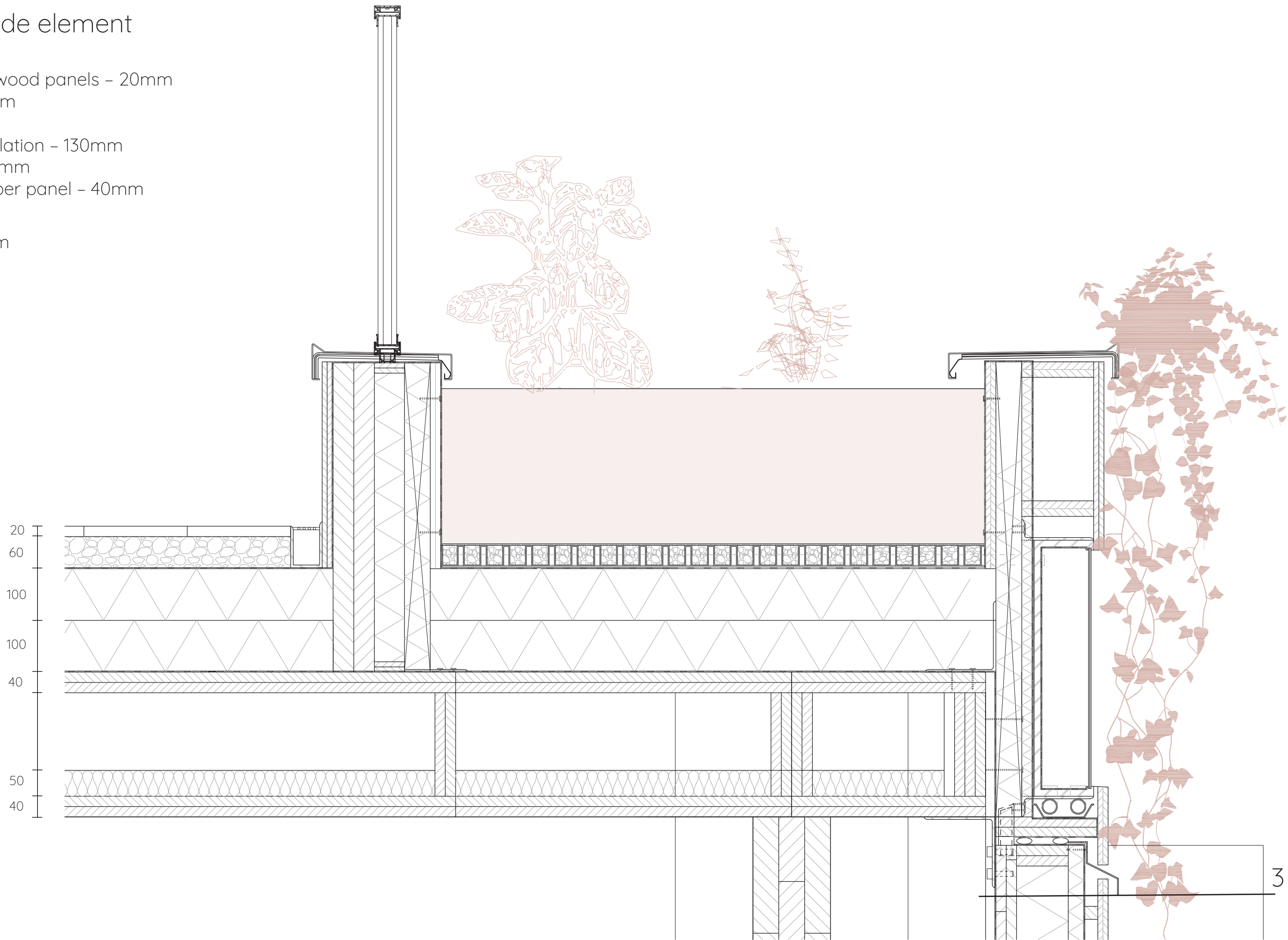
3. Modular facade element

- External cladding: Plywood panels – 20mm
- Timber battens – 25mm
- Water Membrane
- Double rock wool insulation – 130mm
- Timber transom – 100mm
- Cross Laminated Timber panel – 40mm
- Vapor retarder
- Gypsum board – 18mm

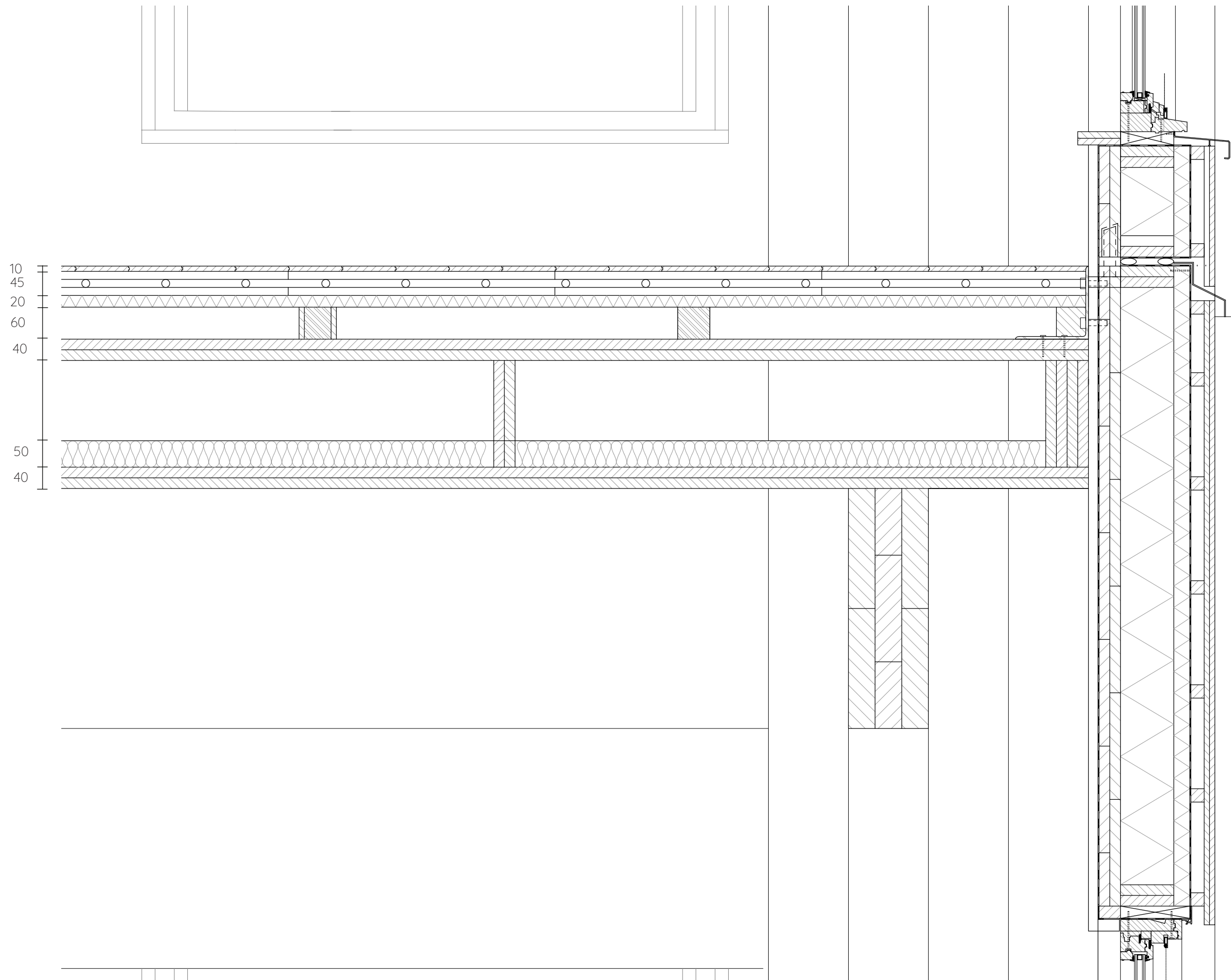


3. Modular facade element

- External cladding: Plywood panels – 20mm
- Timber battens – 25mm
- Water Membrane
- Double rock wool insulation – 130mm
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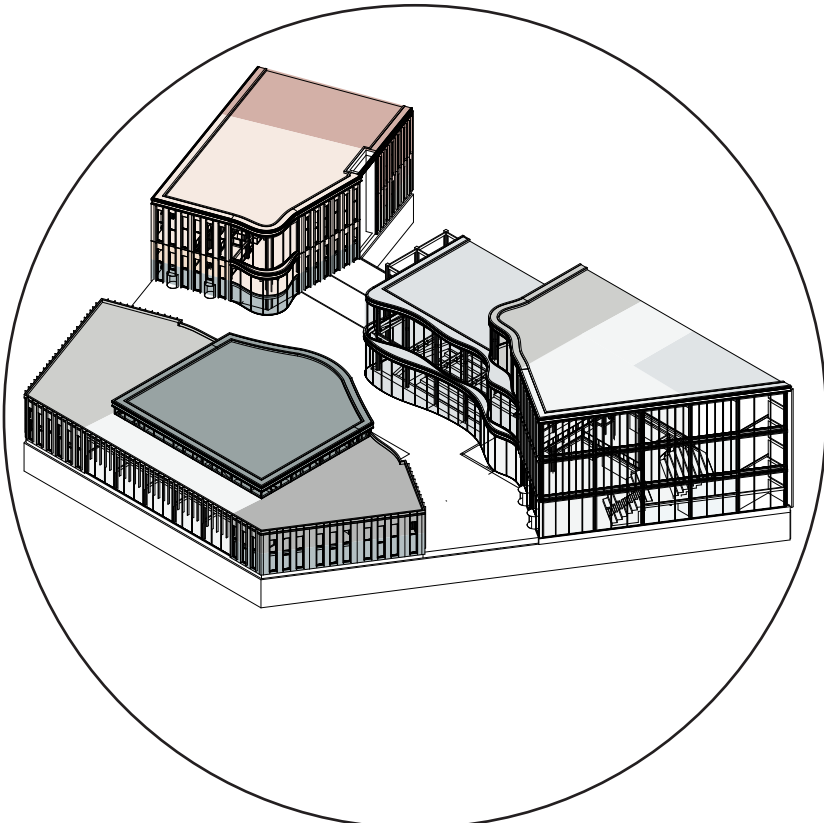


Detail 3
Scale 1:5

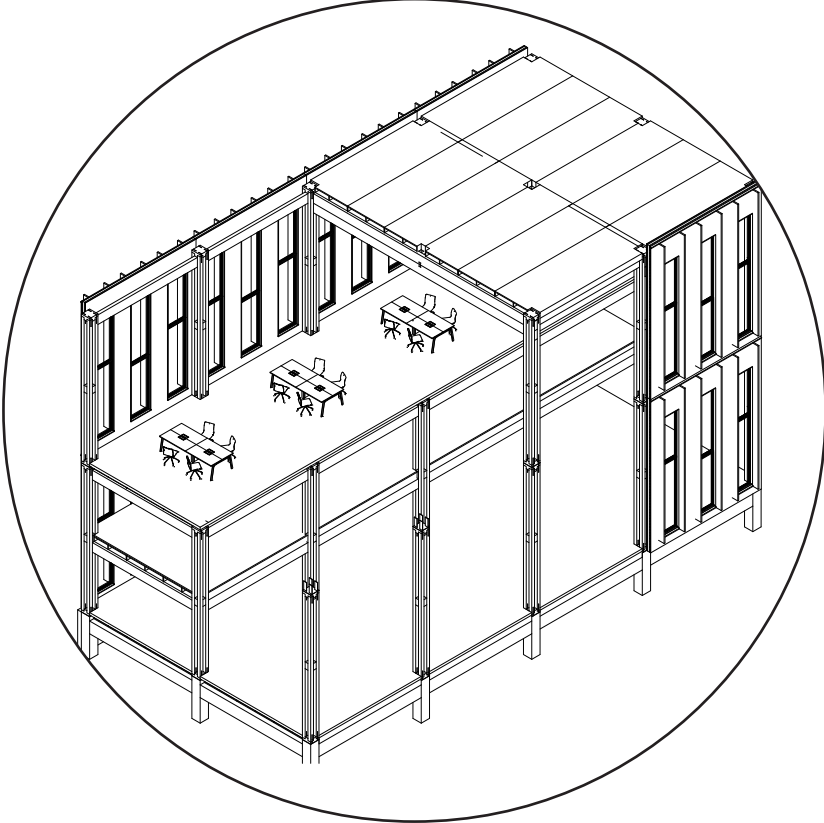


Detail 4
Scale 1:5

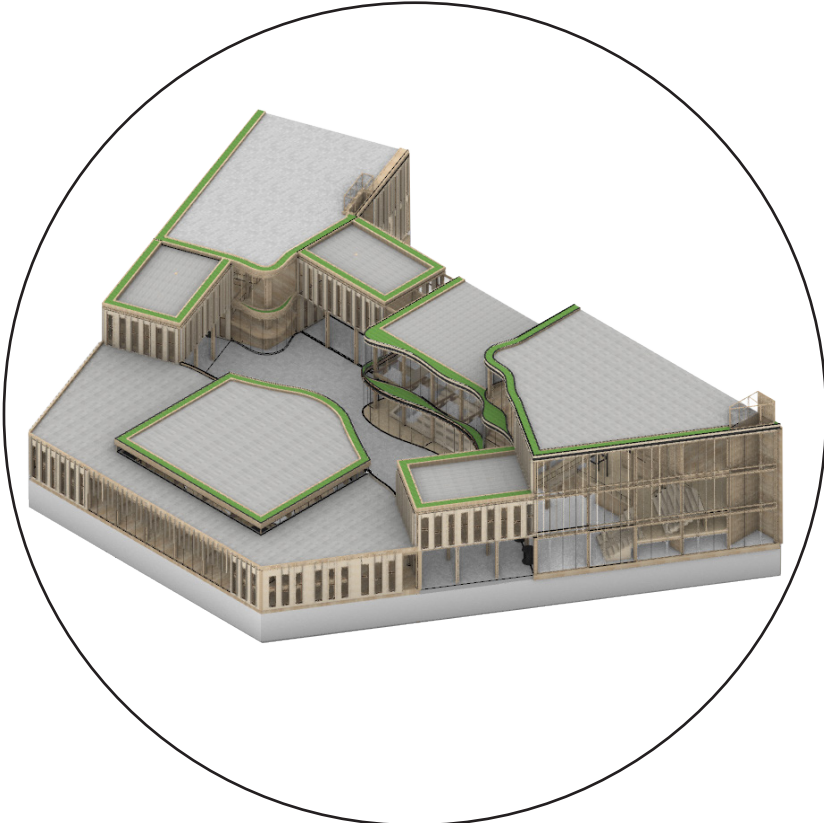
Conclusion



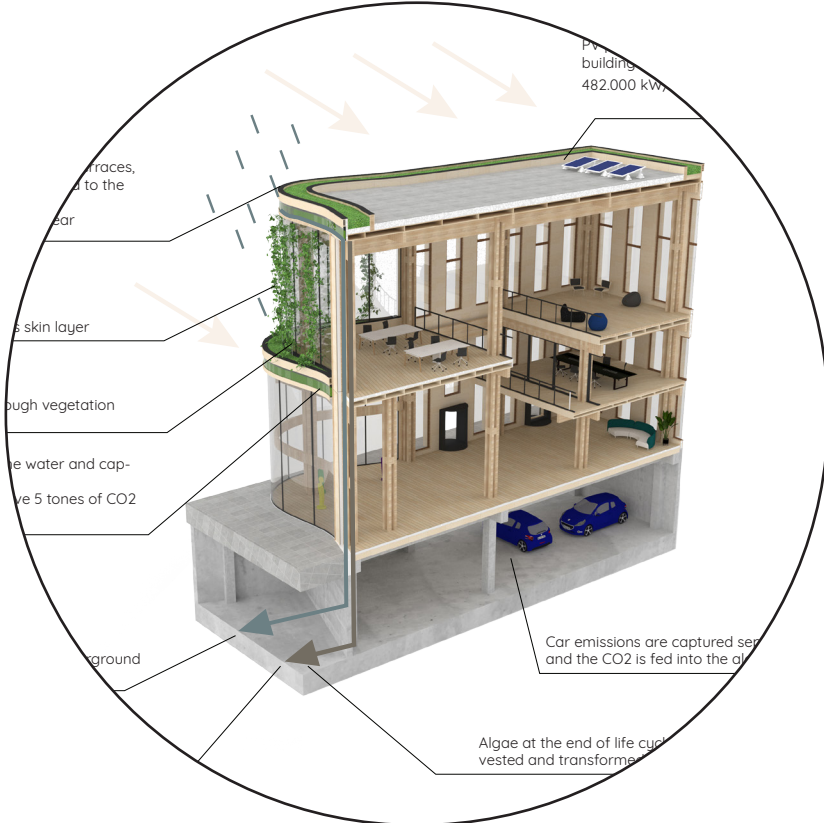
Multiplicity



Hibridity



Resilience



Sustainability