CREAT(IV)E COMMUNITY GROUND

Erasing dwelling anonymity in the ‘lost’ spaces

Advanced Housing 2024 - Helena Nagel - 4851684

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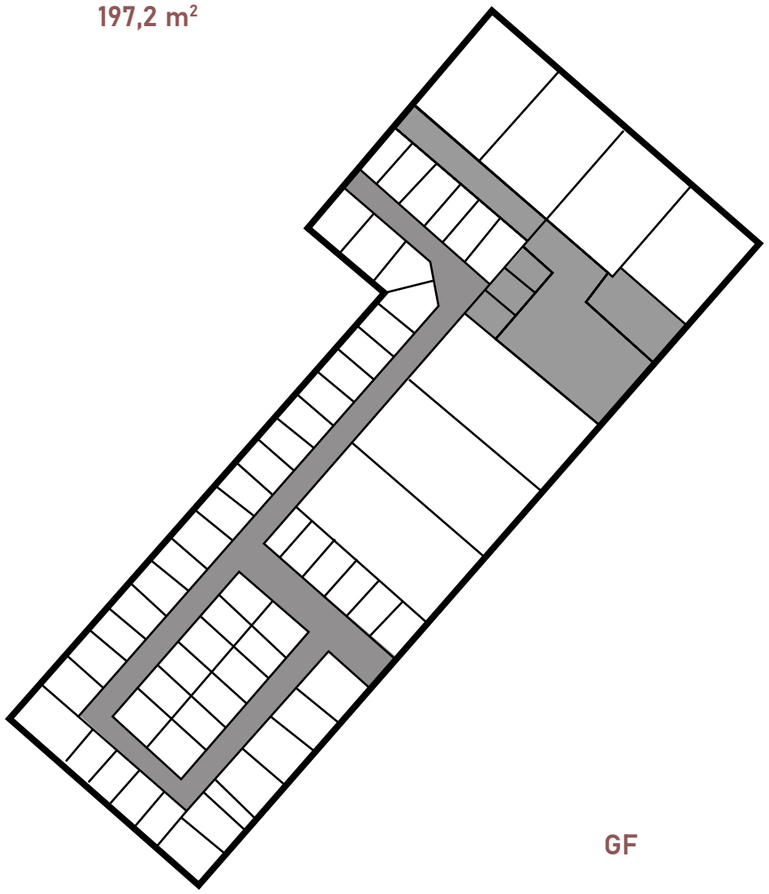
LOCATION
DESIGN
BUILDING TECHNOLOGY

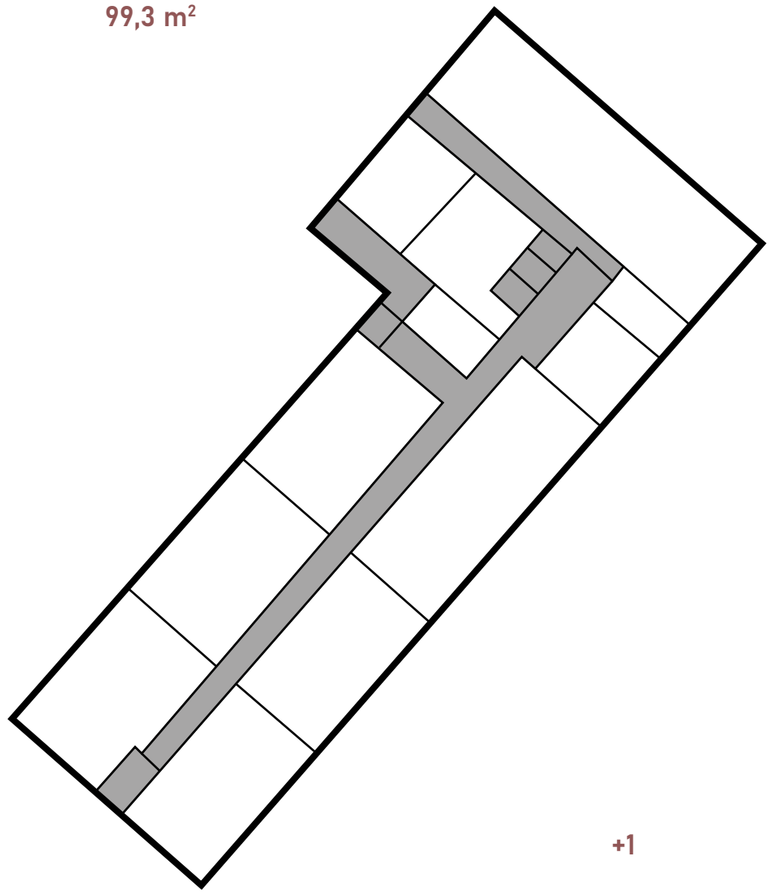
FASCINATION

197,2 m²



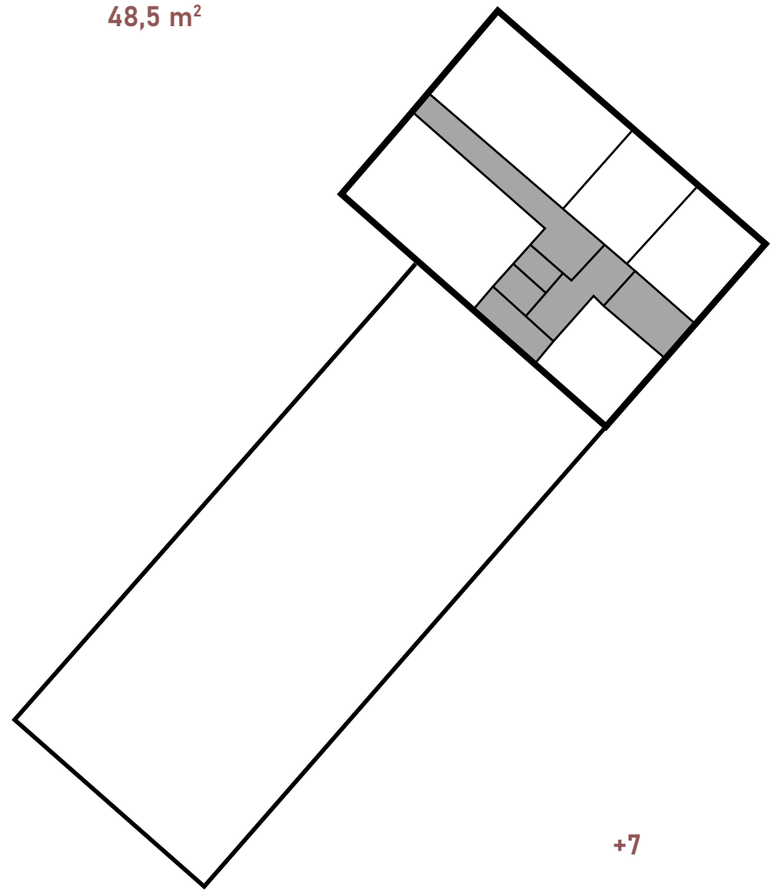
GF

99,3 m²



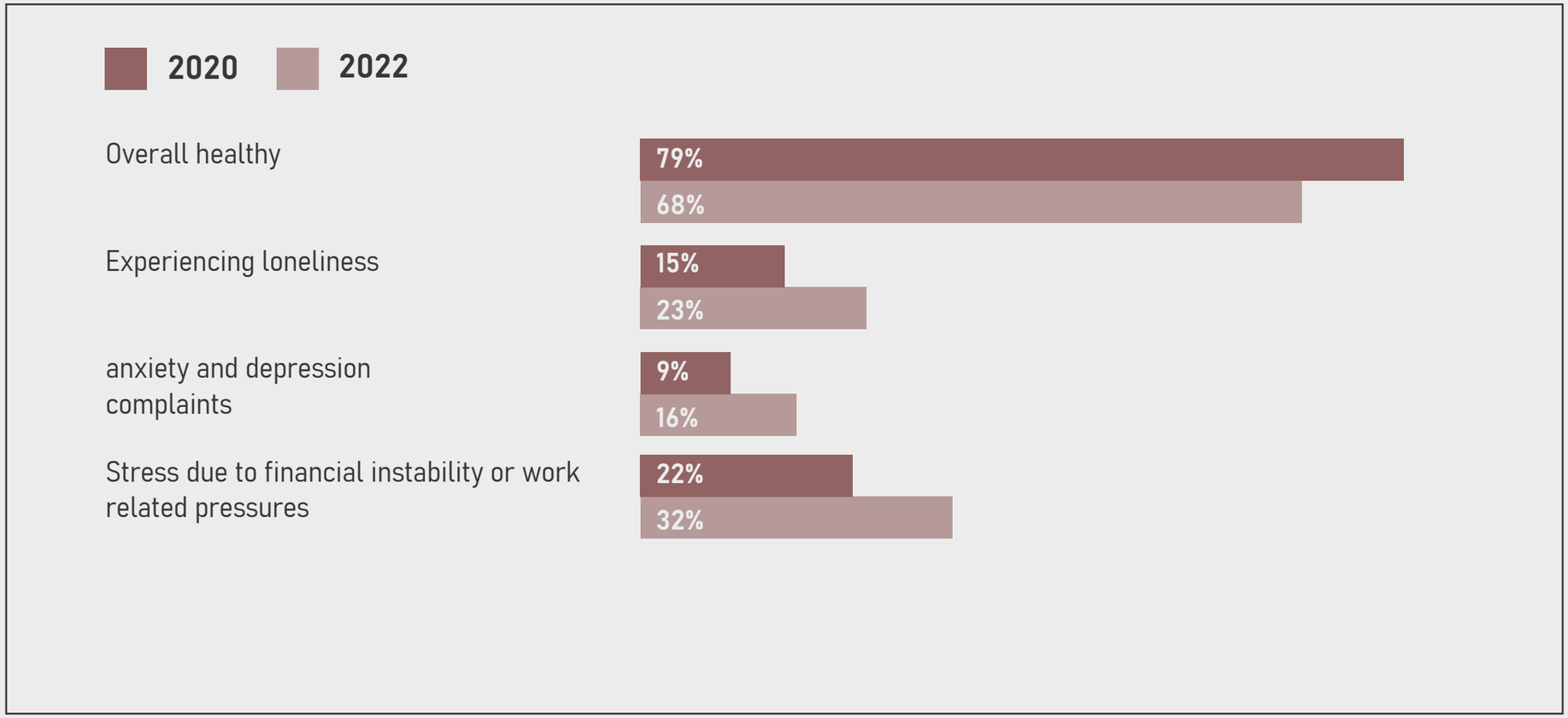
+1

48,5 m²



+7

PROBLEM STATEMENT



Parool, 2023

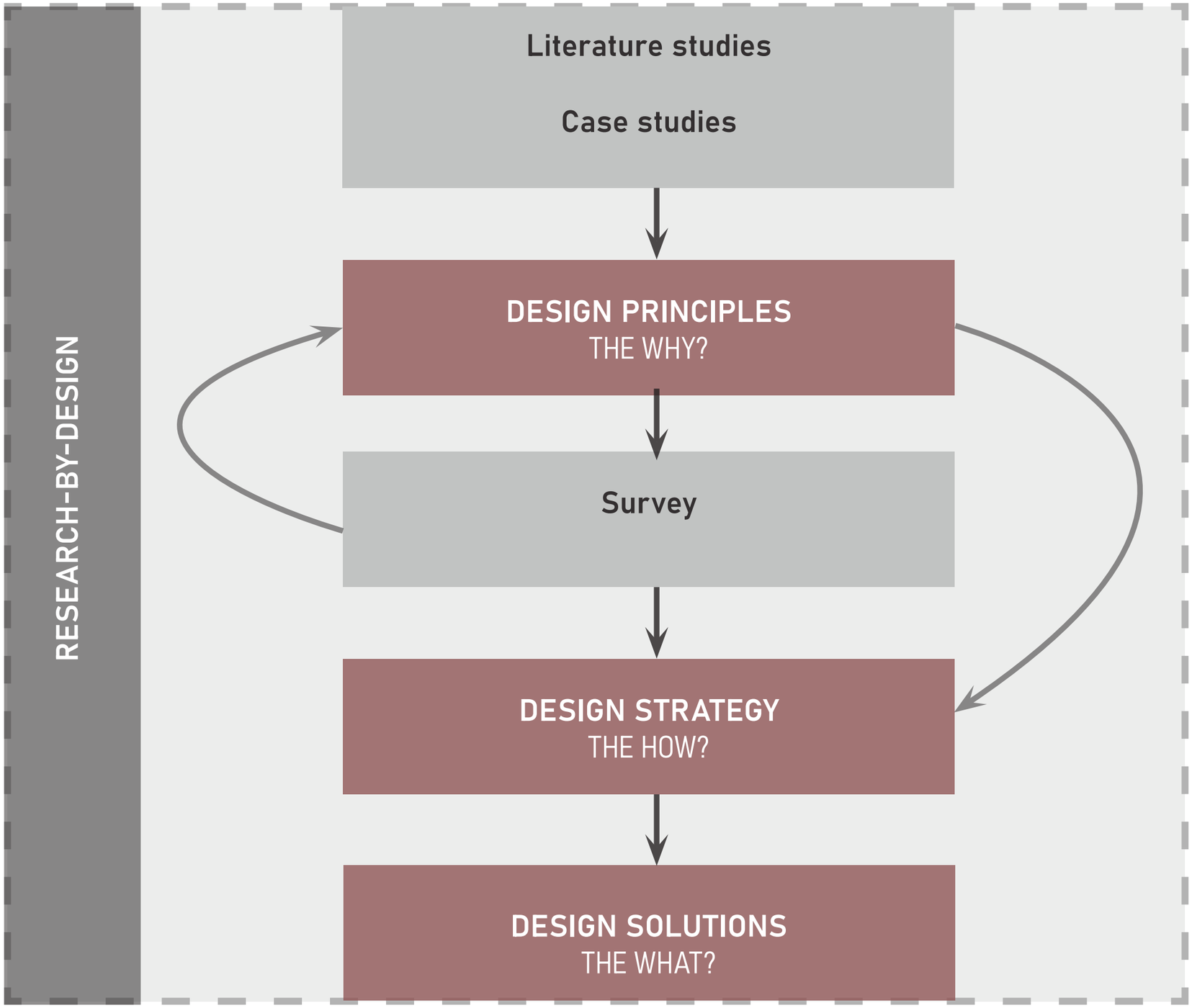
QUOTE

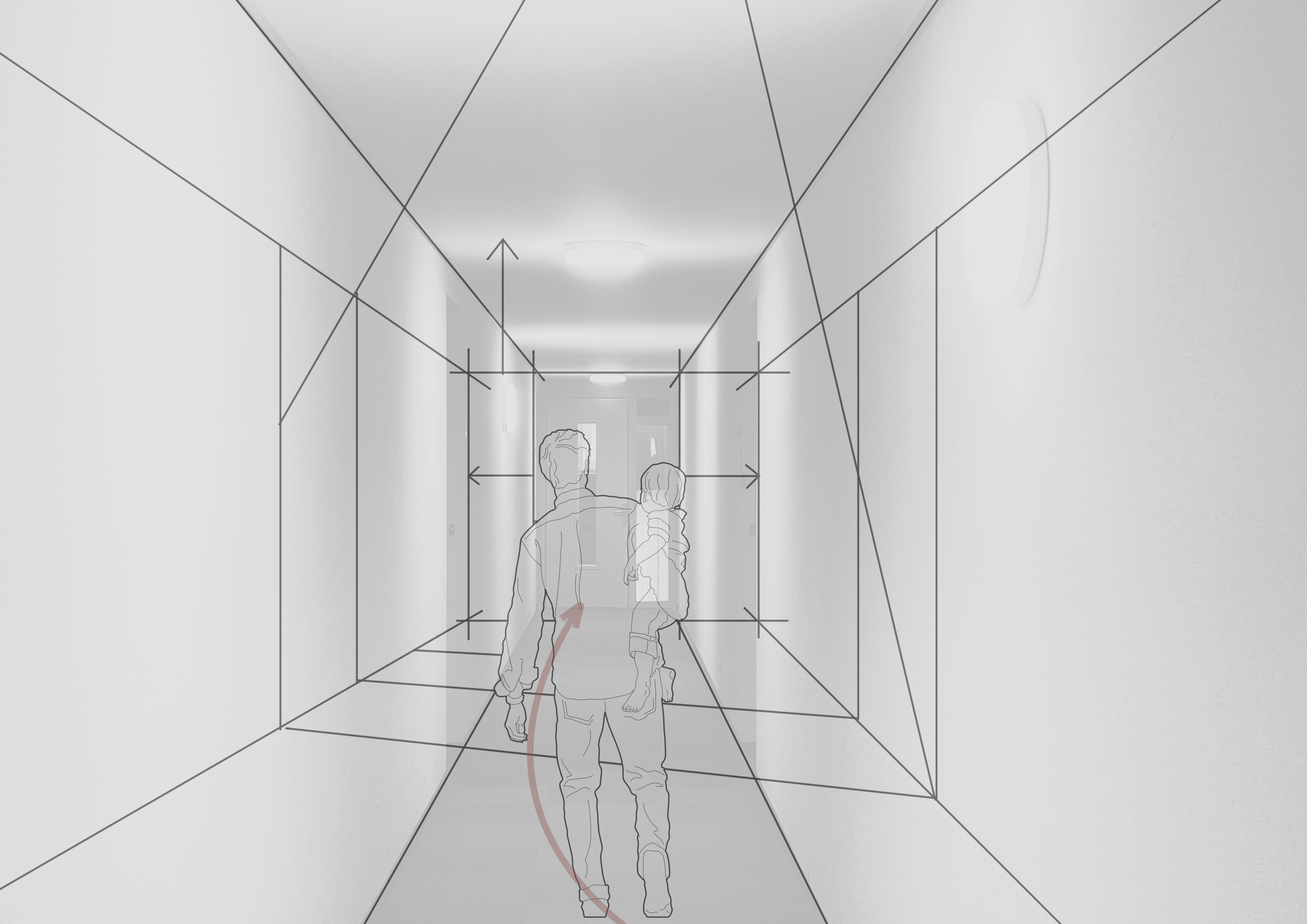
“An urban setting or atmosphere can alienate and disconnect us from the cultural, social and human context, or it can enroot us, and make us feel grounded, accepted and supported.”

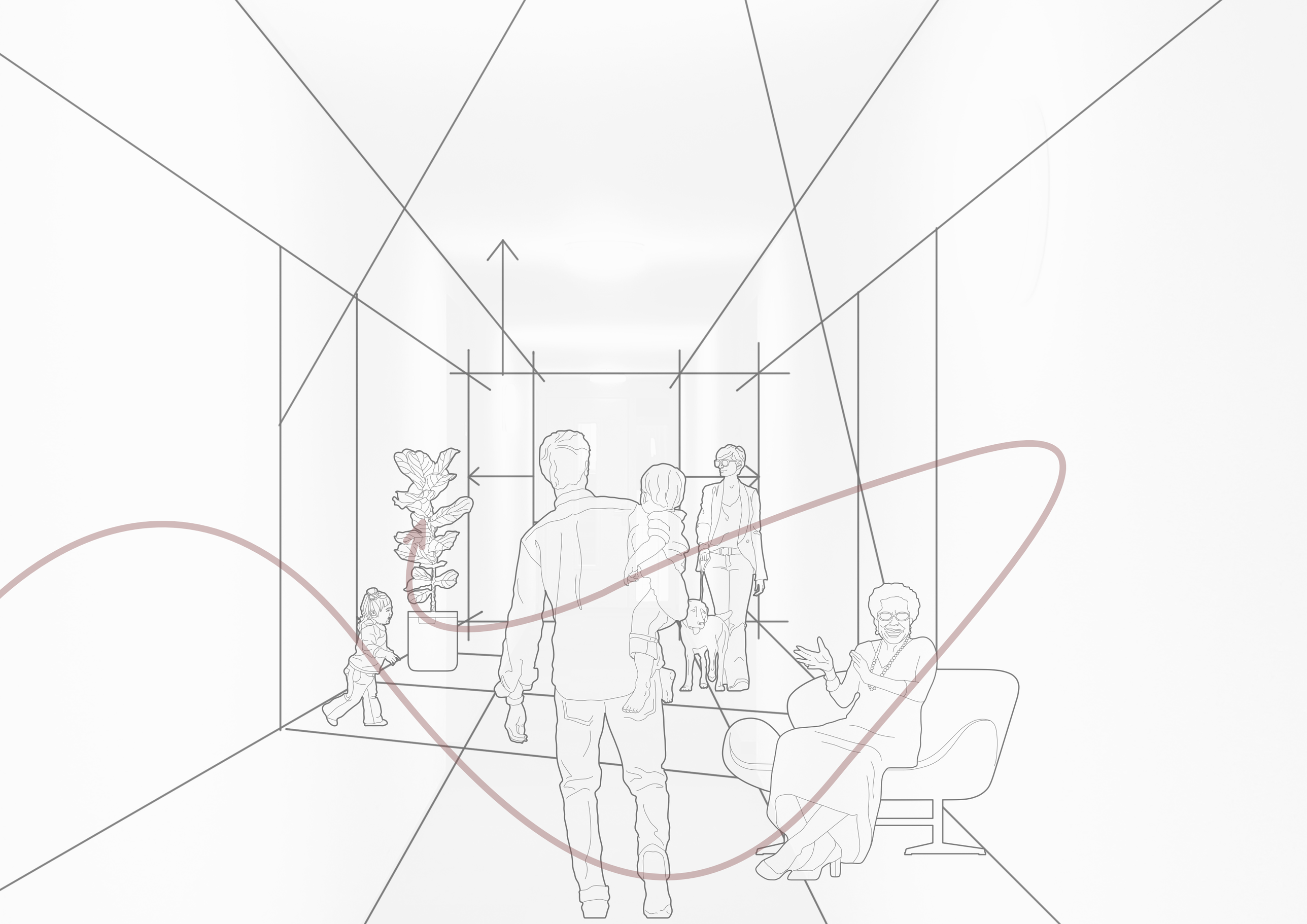
Pallasma, 2023

RESEARCH QUESTION

How can we design the transitional 'lost' spaces, of a vertical dwelling complex, to be a multifunctional place of engagement for a diversity of users?


RESEARCH-BY-DESIGN
Literature studies
Case studies
DESIGN PRINCIPLES
THE WHY?
Survey
DESIGN STRATEGY
THE HOW?
DESIGN SOLUTIONS
THE WHAT?





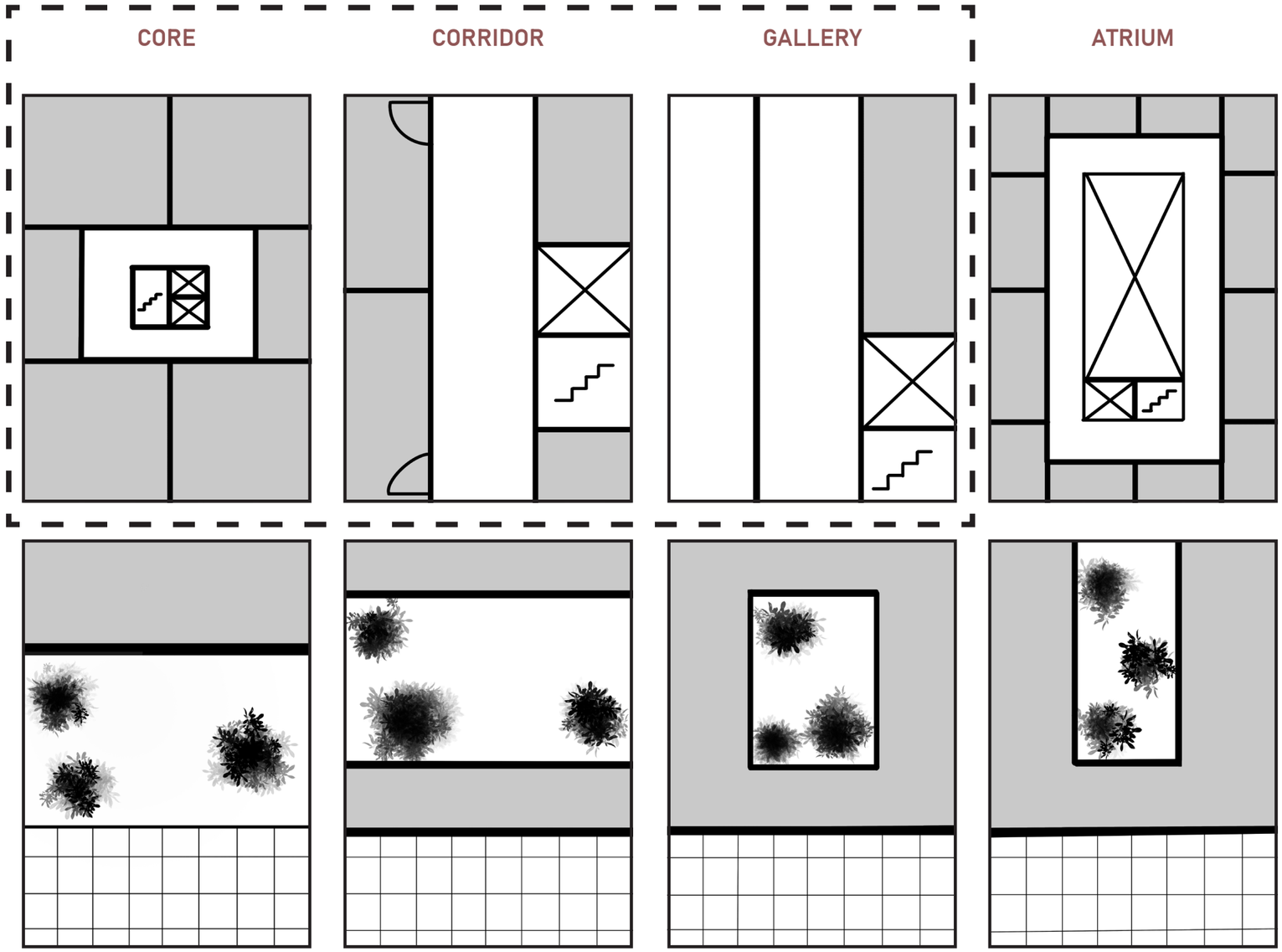
QUOTE

“Practices of commoning significantly create new relationships between people. They stimulate creative encounters and negotiations, through which all kinds of ‘sharing’ are organized and communal life is shaped.”

(Langekeek & Kuenzli, 2022)

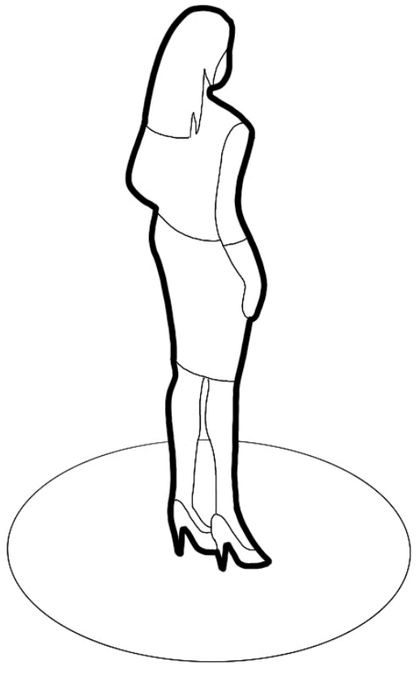
TRANSITIONAL SPACES

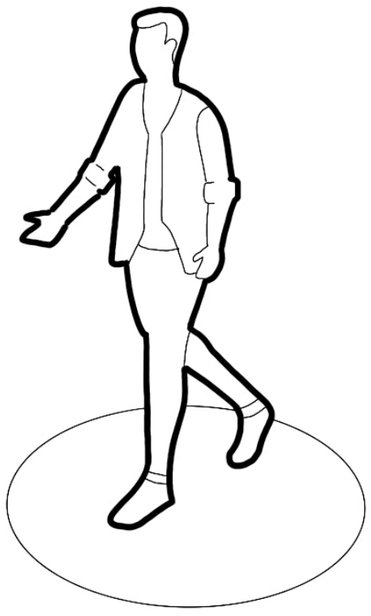
Transitory and functional: lack of historical and identity elements, characterized by excess and acceleration of time, space and individualism.
(Augé, 1995)



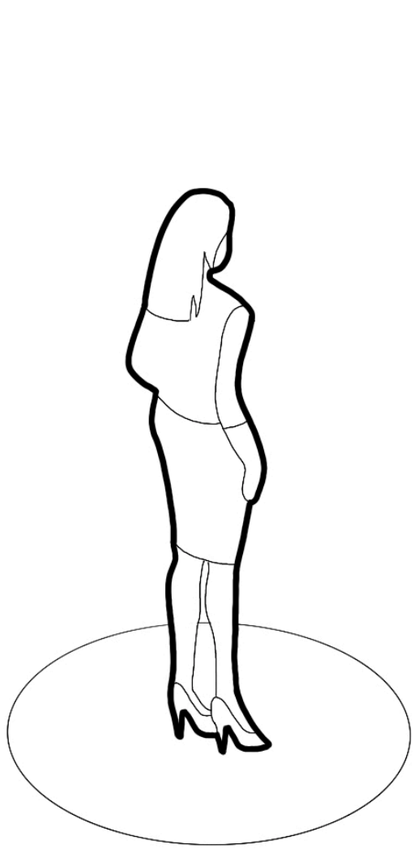
COURTYARD

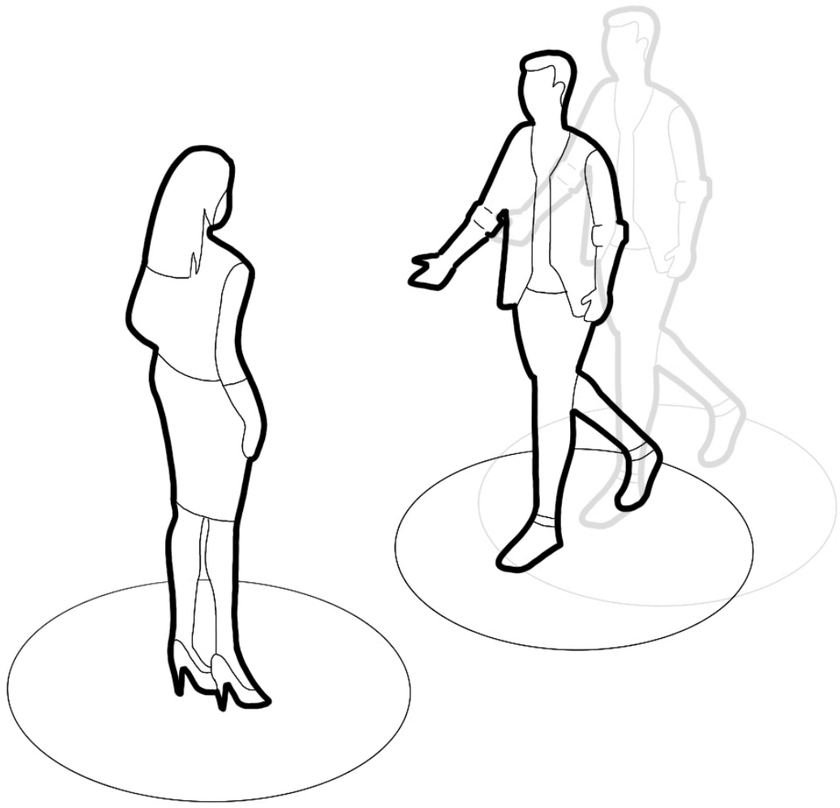
Greenery is used for place-making. Courtyards cause **friction** in movement the openness overlooking the space. Another reason to implement courtyards is because taking care of them promotes stay and **participation** from others, it creates **familiarity & trust** which is essential in the operation of public and communal places.
(Amin, 1995)

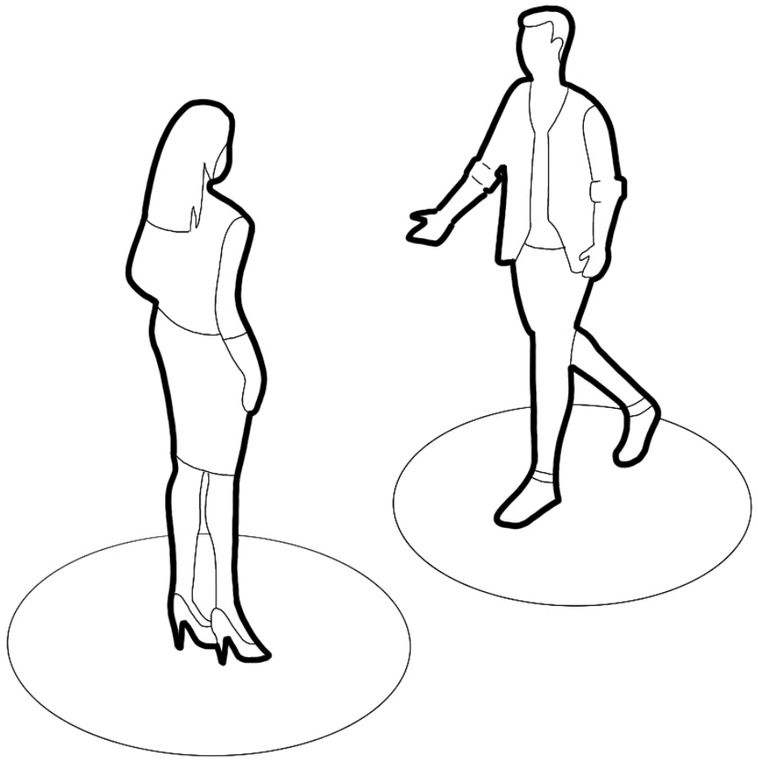




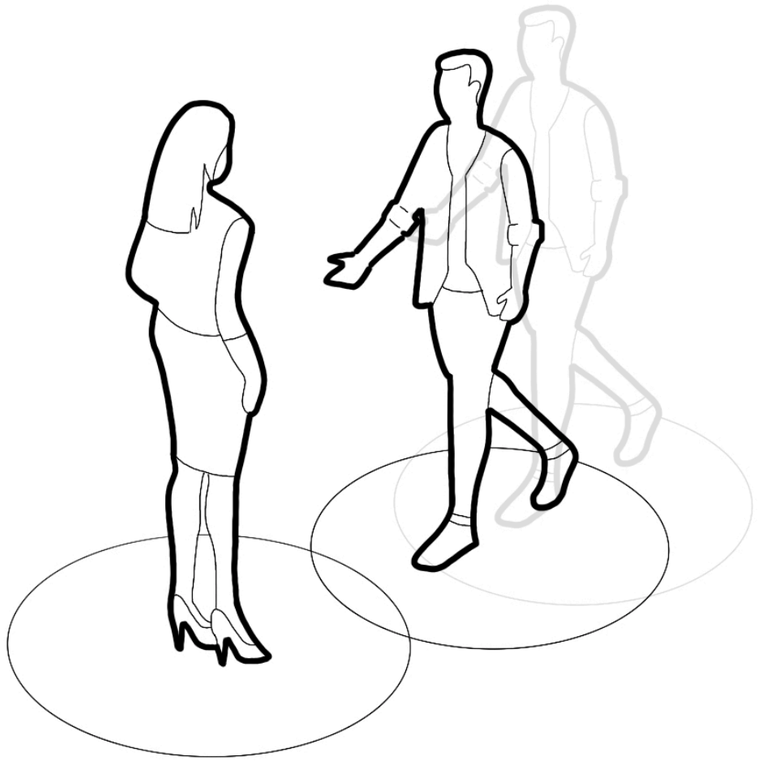
THE SOCIAL
1,5 - 4 m

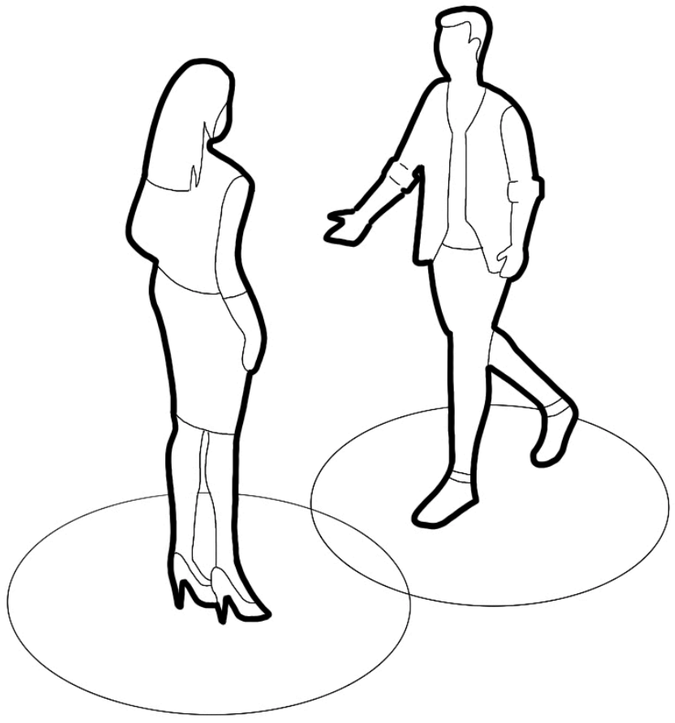


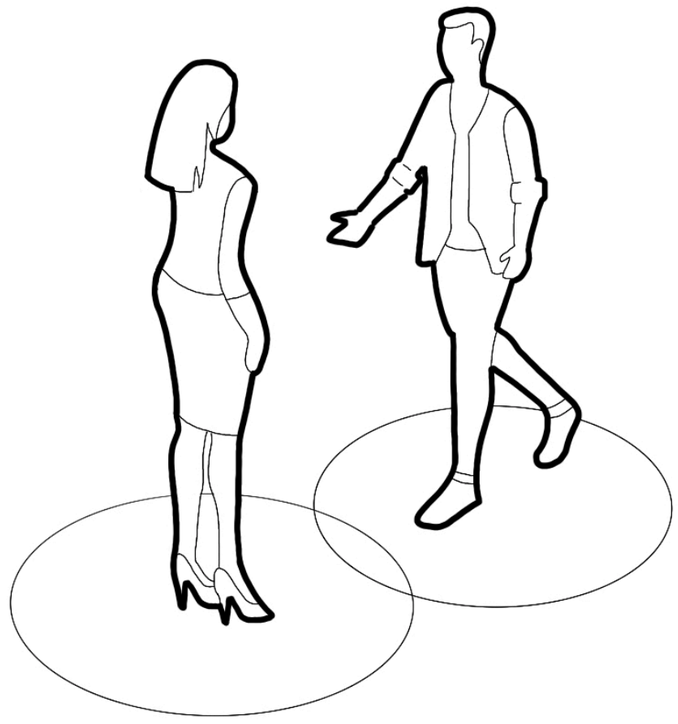


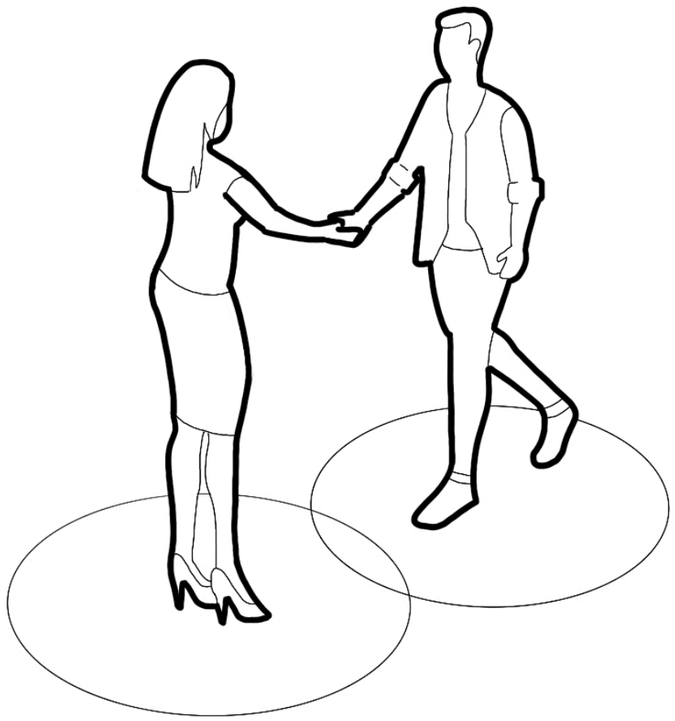


THE PERSONAL
0,5 - 1,5 m









THE INTIMATE
0 - 0,5 m

DESIGN PRINCIPLES

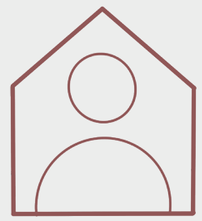
WHY?

SOCIAL INFRASTRUCTURE

ADAPTING AND EVOLVING SPACES

PROXIMITY

SENSE OF BELONGING



SOLITUDE

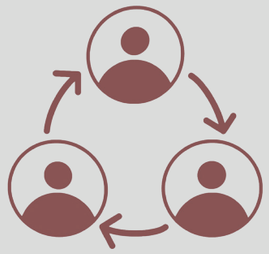
ADDITION TO LIVING QUALITY

MONITORING

DESIGN PRINCIPLES

WHY?

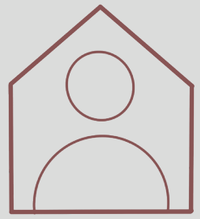
SOCIAL INFRASTRUCTURE



ADAPTING AND EVOLVING SPACES

PROXIMITY

SENSE OF BELONGING



SOLITUDE

ADDITION TO LIVING QUALITY

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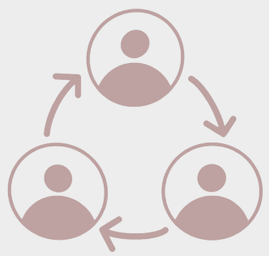
DESIGN PRINCIPLES

WHY?

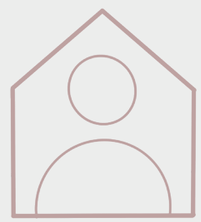
SOCIAL INFRASTRUCTURE



ADAPTING AND EVOLVING SPACES

PROXIMITY

SENSE OF BELONGING



SOLITUDE

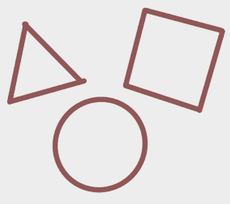
ADDITION TO LIVING QUALITY

MONITORING

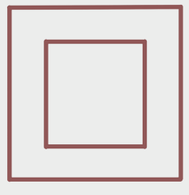
DESIGN STRATEGY

HOW?

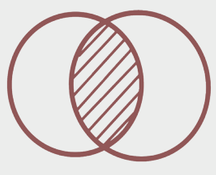
DIFFERENT BUILDING TYPOLOGIES



CLEAR BOUNDARIES

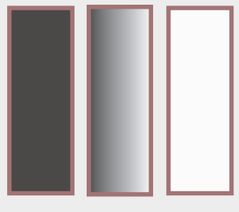


FLEXIBEL & ACCESSABLE COMMUNAL SPACES



CREATING OPPORTUNITIES FOR PARTICIPATION

BALANCING PUBLIC AND PRIVATE ACTIVITIES



DESIGN STRATEGY

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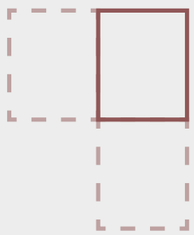

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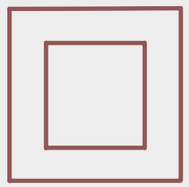

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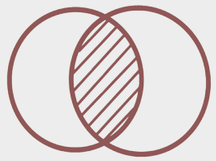

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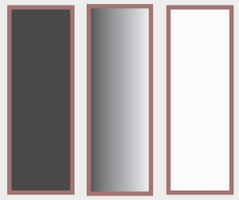
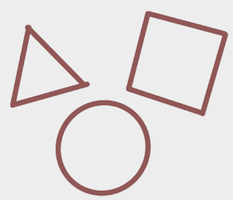
BALANCING PUBLIC AND PRIVATE ACTIVITIES



DESIGN STRATEGY

HOW?

DIFFERENT BUILDING TYPOLOGIES



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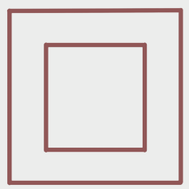

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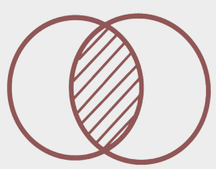
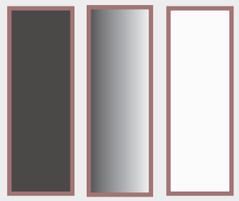


CREATING OPPORTUNITIES FOR PARTICIPATION

BALANCING PUBLIC AND PRIVATE ACTIVITIES



DESIGN STRATEGY

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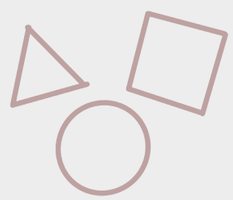

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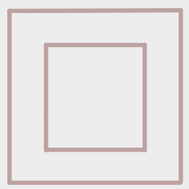

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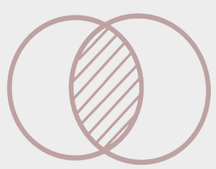

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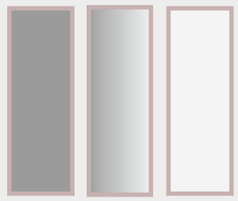
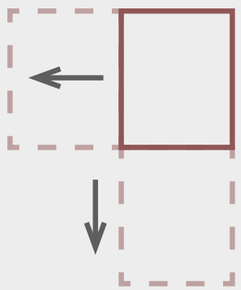
BALANCING PUBLIC AND PRIVATE ACTIVITIES



DESIGN TOOLS

WHAT?

CLEAR GRID STRUCTURE

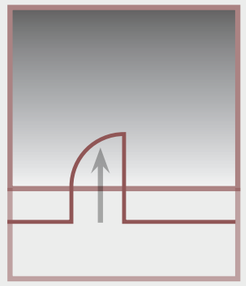


GREENERY

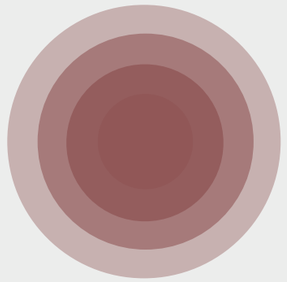
PLACE-MAKING

CREATIVE ROUTING

CREATING POCKETS



SHARING SPHERE'S



VILLAGE HOUSE TYPOLOGY

TARGET GROUP

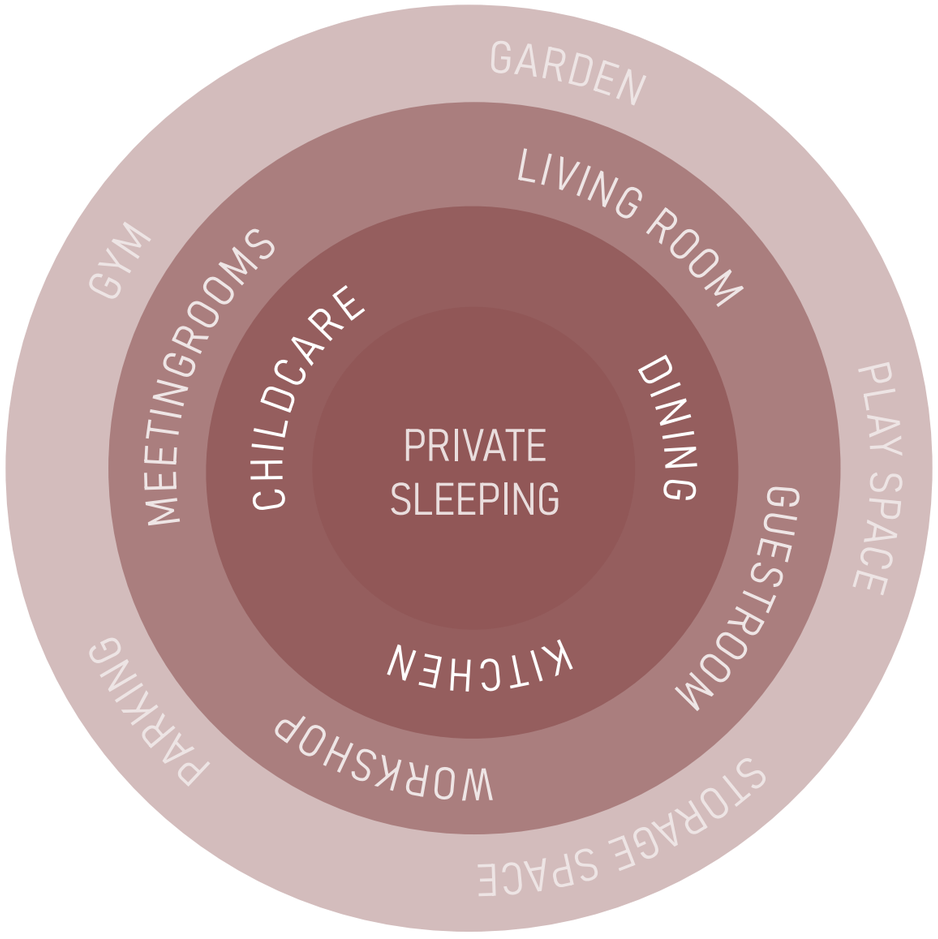
YOUNG PROFESSIONALS

SINGLE PERSON HOUSEHOLD

STARTING FAMILIES

SINGLE PARENTS HOUSEHOLD

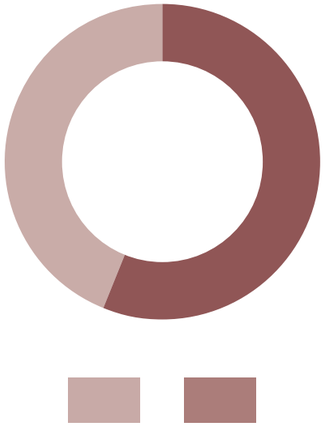
SHARING SPHERE'S



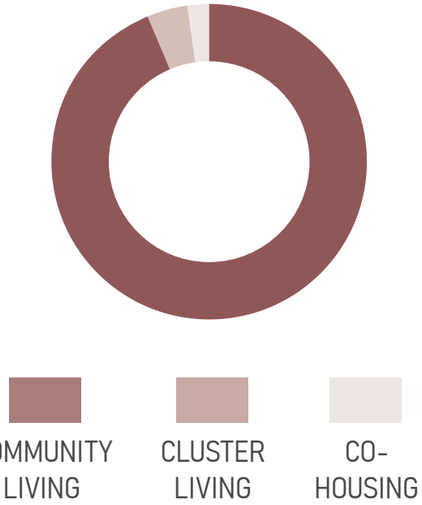
Sharing spheres (Ahn et al, 2018)

SURVEY

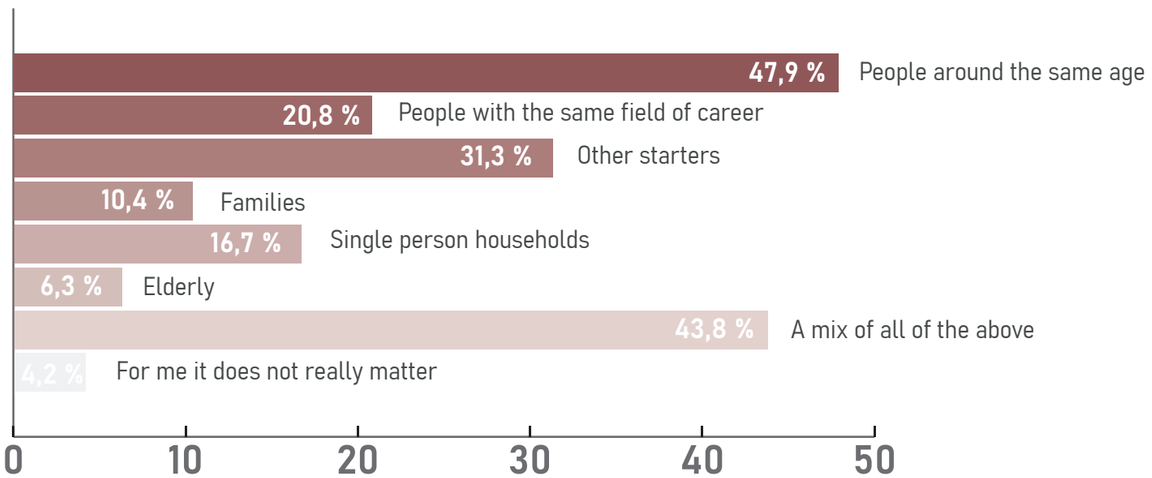
WOULD YOU BE INTERESTED IN THE CONCEPT OF CO-LIVING?



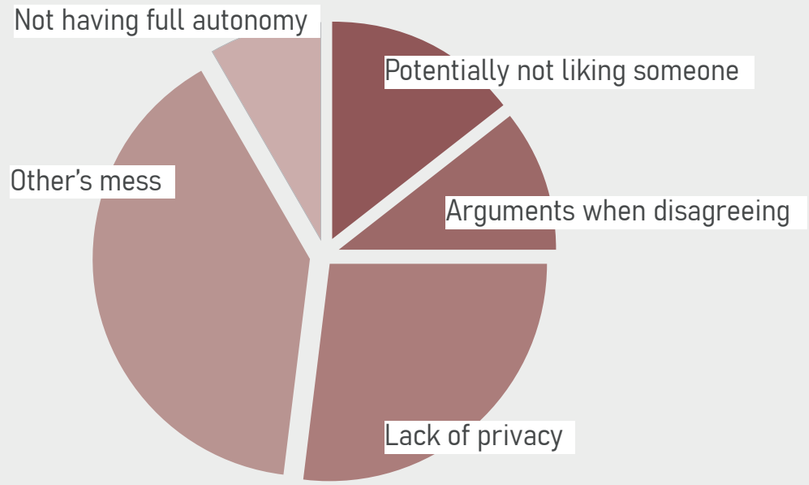
WHICH FORM OF LIVING SPEAKS TO YOU THE MOST?



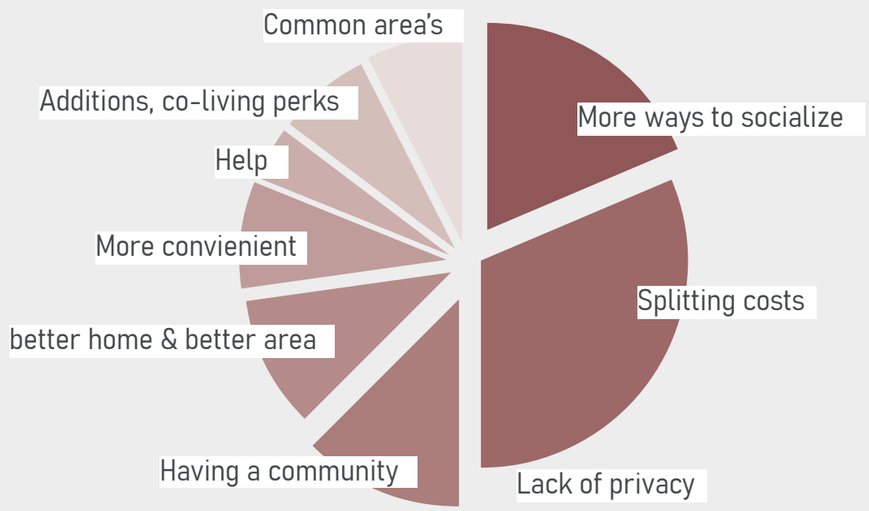
WHO WOULD YOU BE MOST COMFORTABLE SHARING THESE COMMON SPACES WITH?



WHAT DO YOU THINK WILL BE THE BIGGEST CON OF CO-LIVING?



WHAT DO YOU THINK WILL BE THE BIGGEST PRO OF CO-LIVING?



PUBLIC

SEMI - PUBLIC

COLLECTIVE

SEMI - PRIVATE

PRIVATE

YES

NEUTRAL

NO

GARAGE

GARDEN

ROOFTOP

LIBRARY

LAUNDRY ROOM

GYM

WORKSPACE

ATELIER

WORKPLACE

LIVING ROOM

MEDITATION SPACE

DINING PLACES

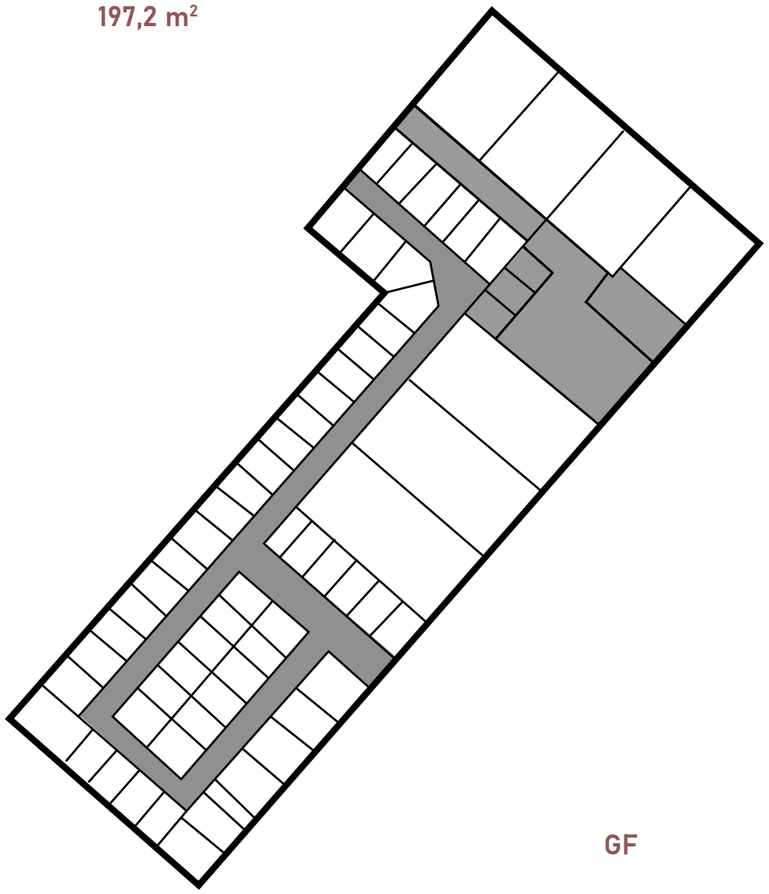
KITCHEN

BATHROOM

TOILET

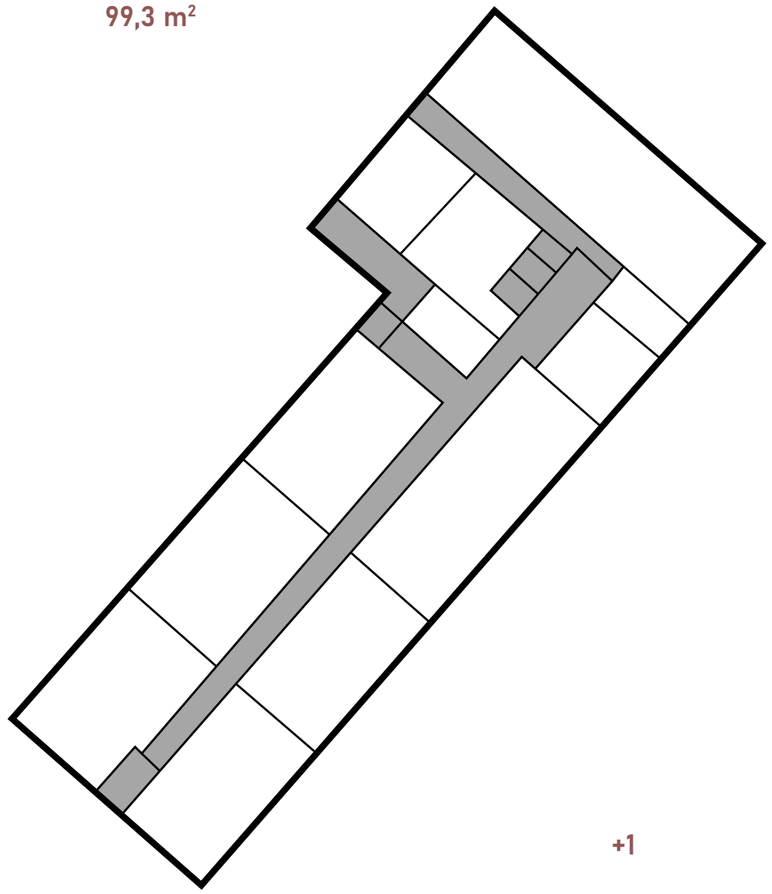
BEDROOM

197,2 m²



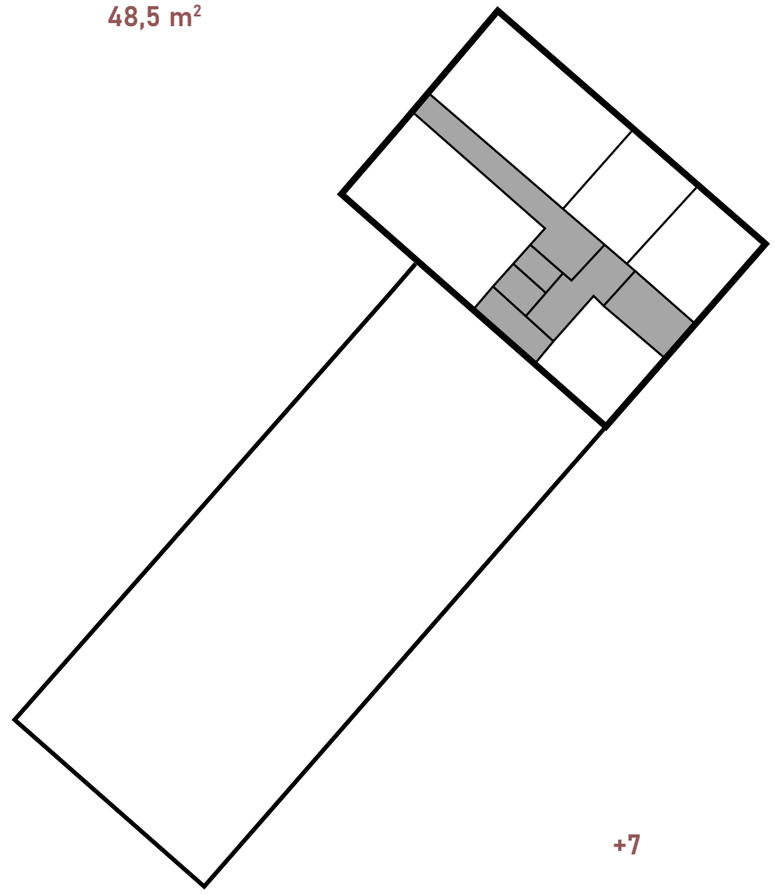
GF

99,3 m²



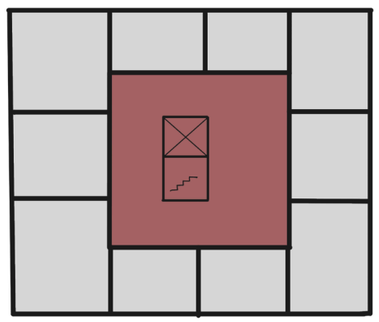
+1

48,5 m²

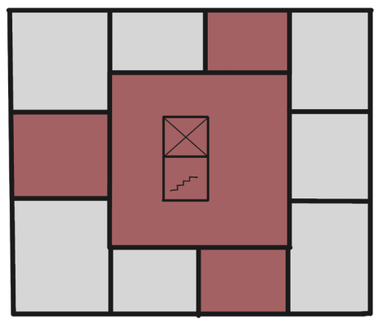


+7

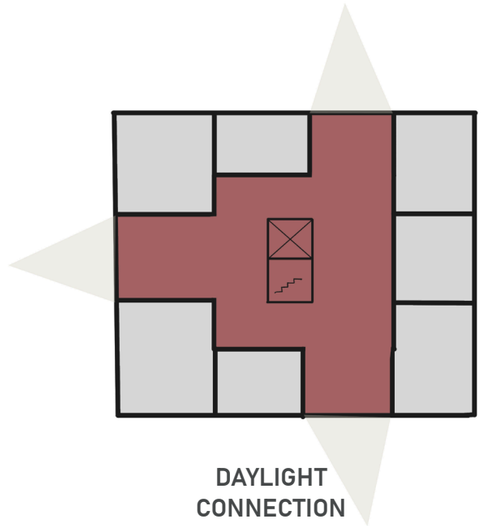
SPATIAL EXPLORATION



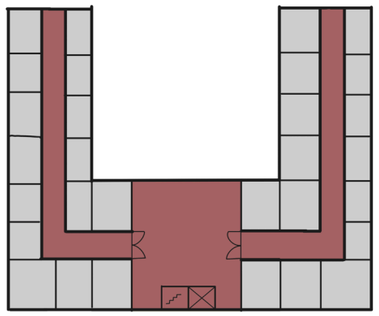
STRUCTURE



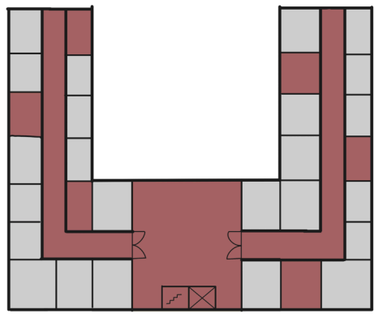
COMMUNAL SPACES



DAYLIGHT
CONNECTION



CLEAR STRUCTURE



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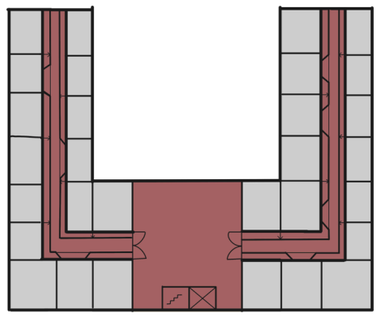
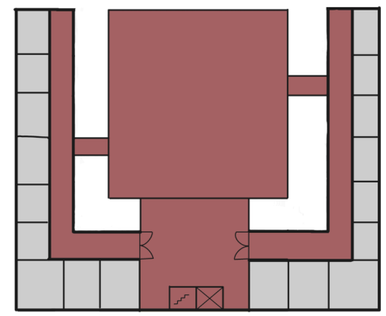


WITDH VARIATIONS



BRIDGES

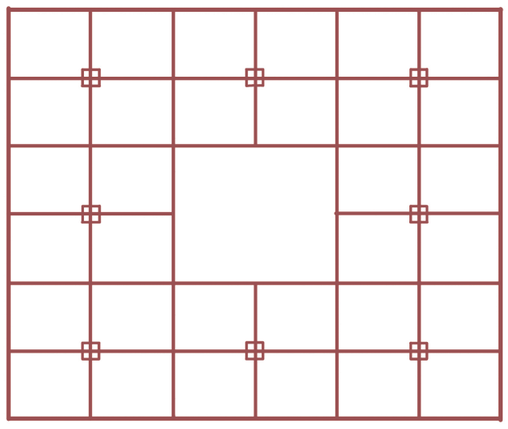
RESEARCH CONCLUSION

“implementing elements as simple as; daylight, greenery and creating open spaces for individualisation to be able to emerge. Hereby residents will already feel more of a sense of belonging to this place. It awakens a sense of responsibility, because a lot of them require to be maintained. Maintanance comes with participation, which needs social interaction.

Where participation emerges, relationships between residents can be build.”

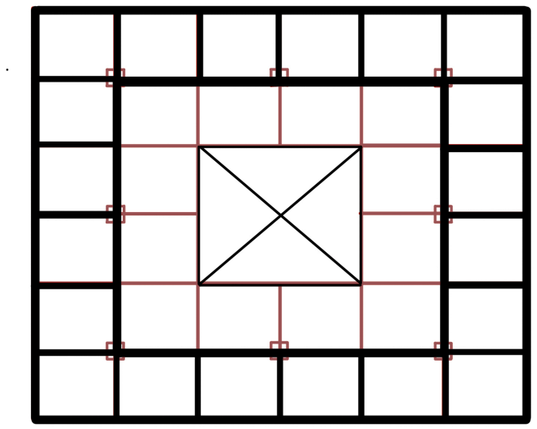
BUILDING DESIGN MORPHOLOGY

CLEAR STRUCTURE

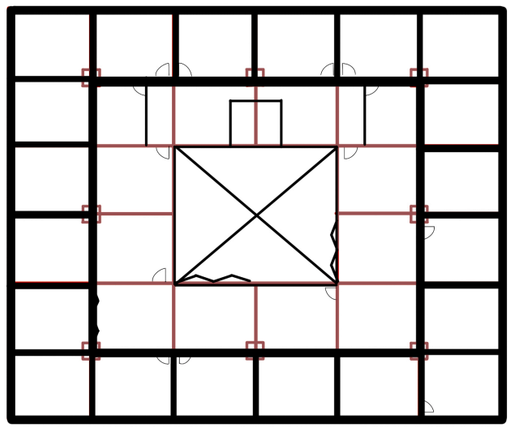


6 x 5 GRID

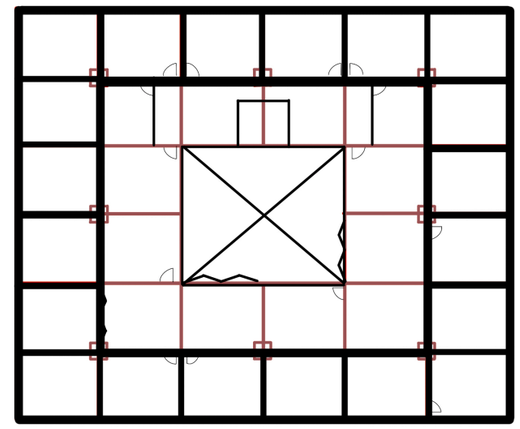
DWELLINGS VS COMMUNAL



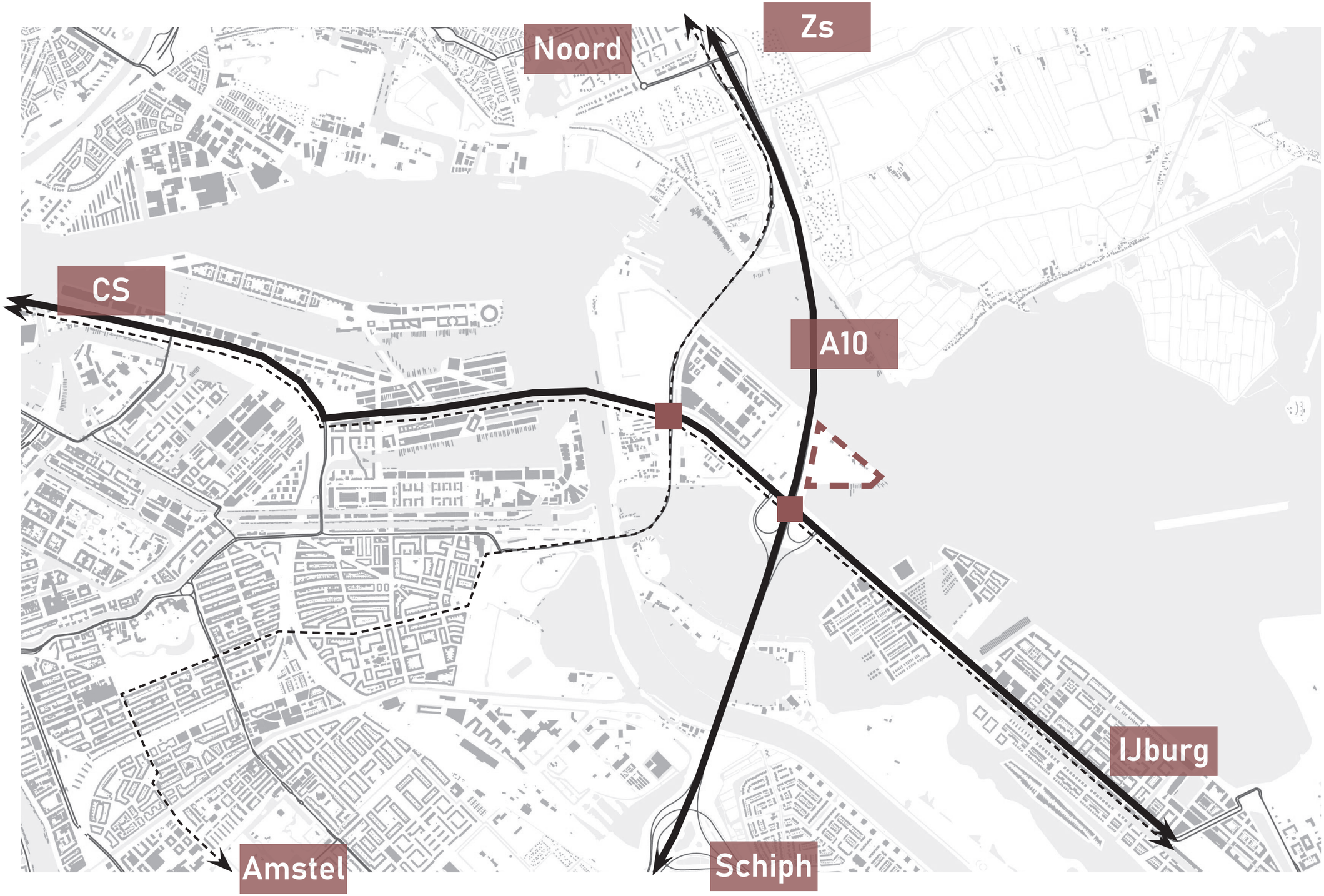
WITDH VARIATIONS
THROUGH PLACE MAKING



INNER CONNECTIONS

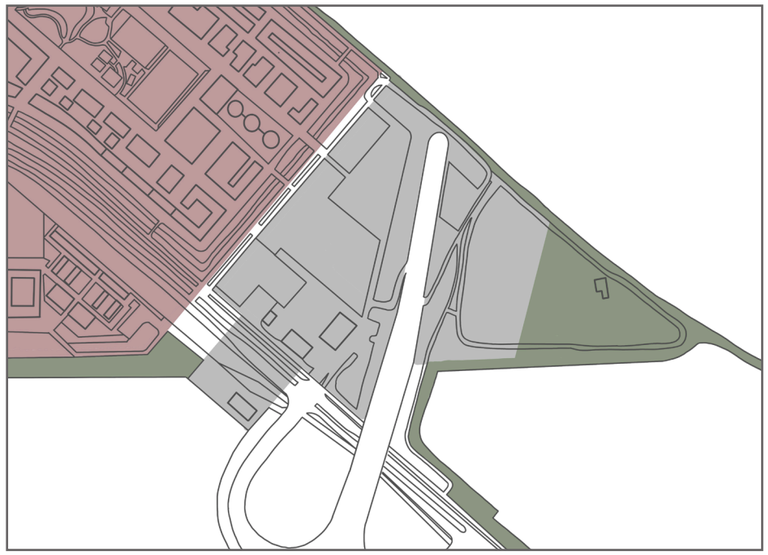


LOCATION

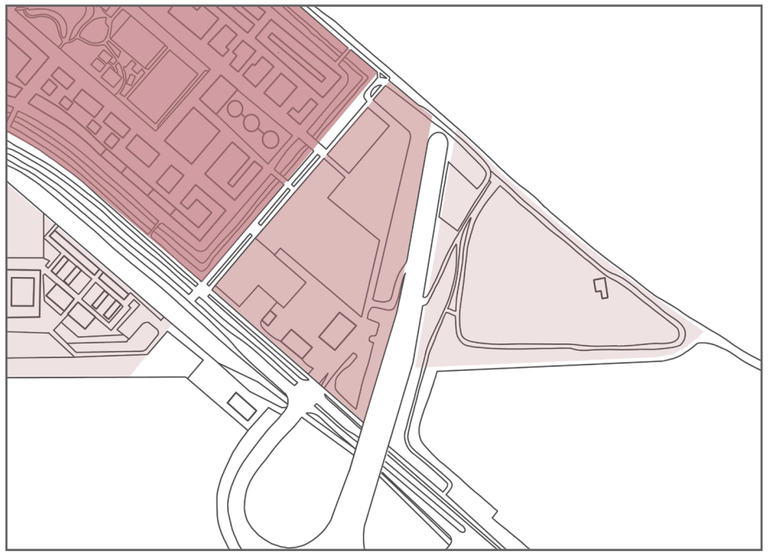


URBAN DESIGN

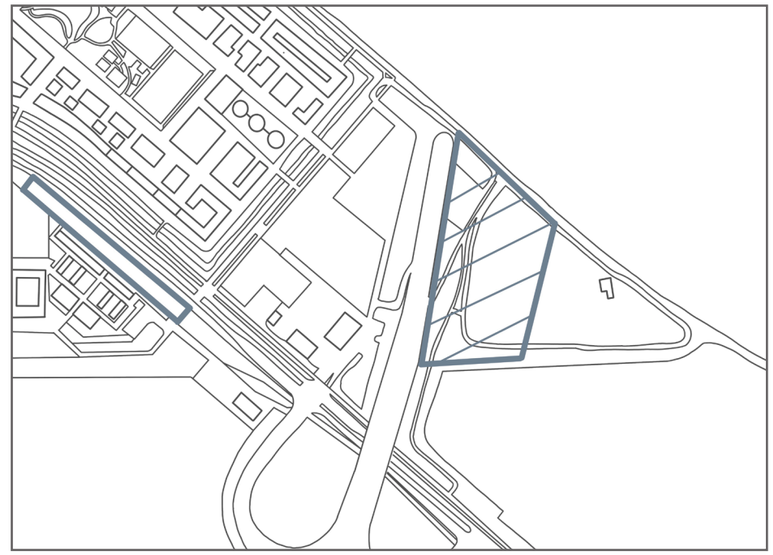
MUNICIPALITY AREA PLANS



DEVELOPMENT OVER TIME

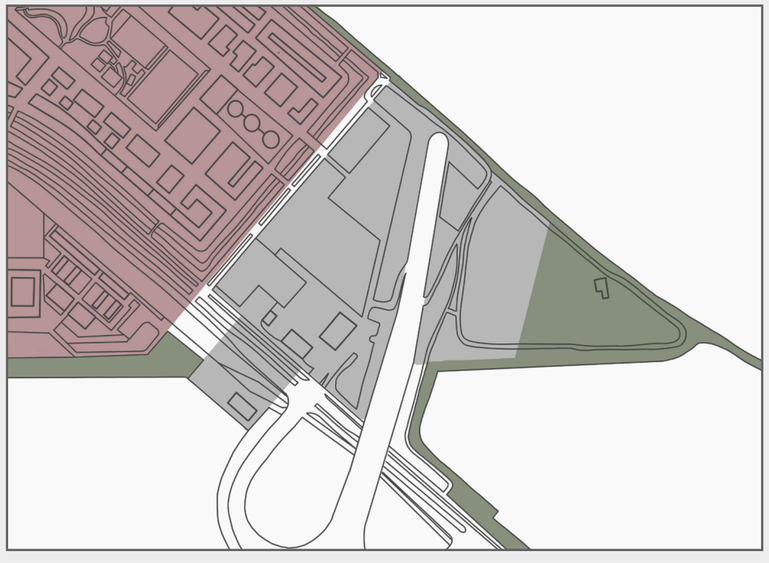


TRAM STORAGE

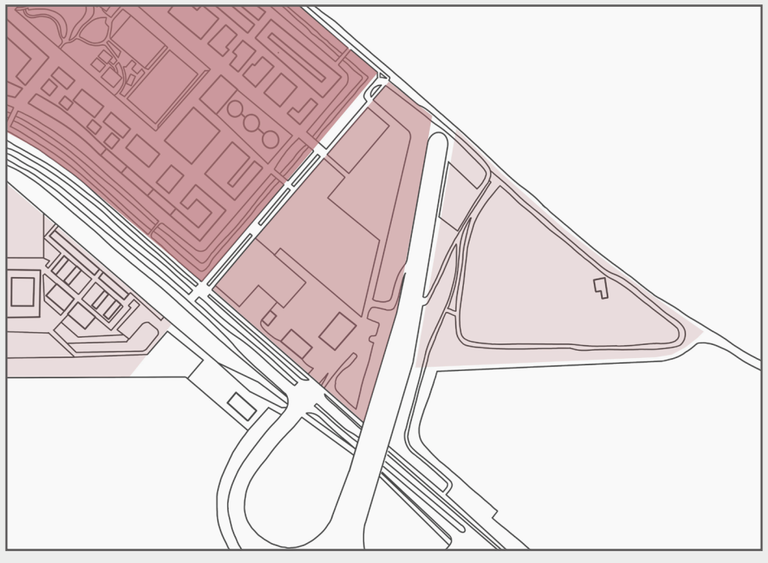


URBAN DESIGN

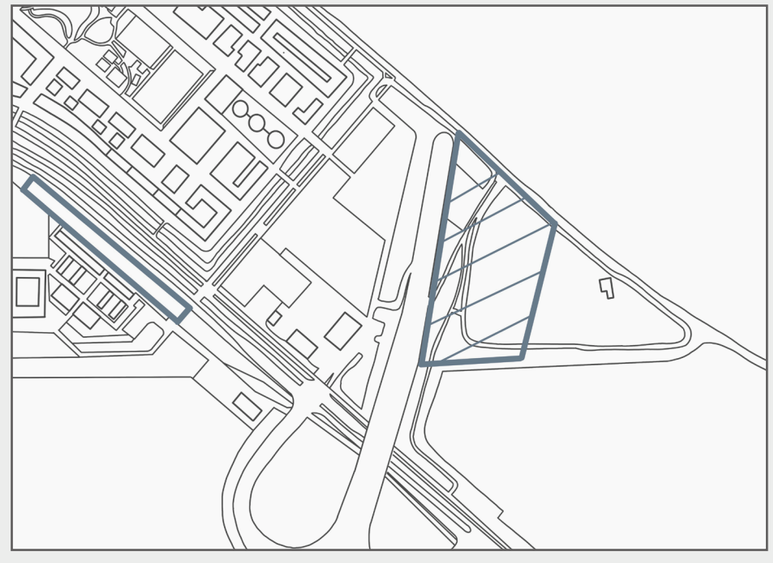
MUNICIPALITY AREA PLANS



DEVELOPMENT OVER TIME

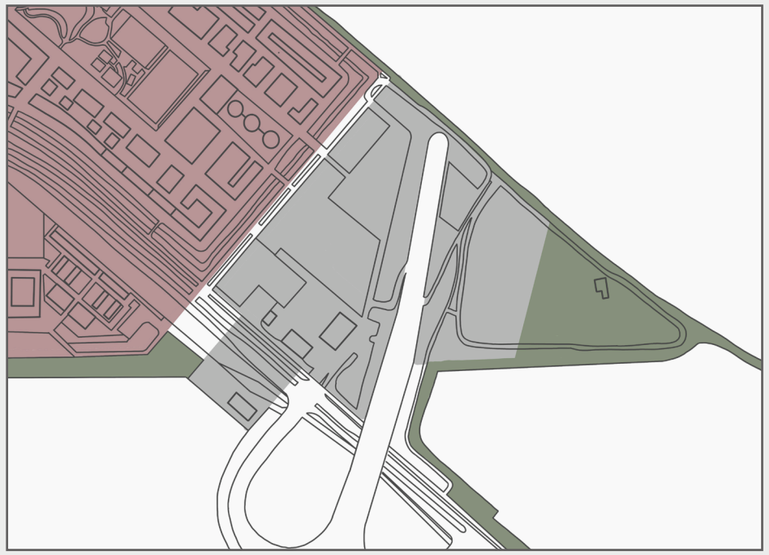


TRAM STORAGE

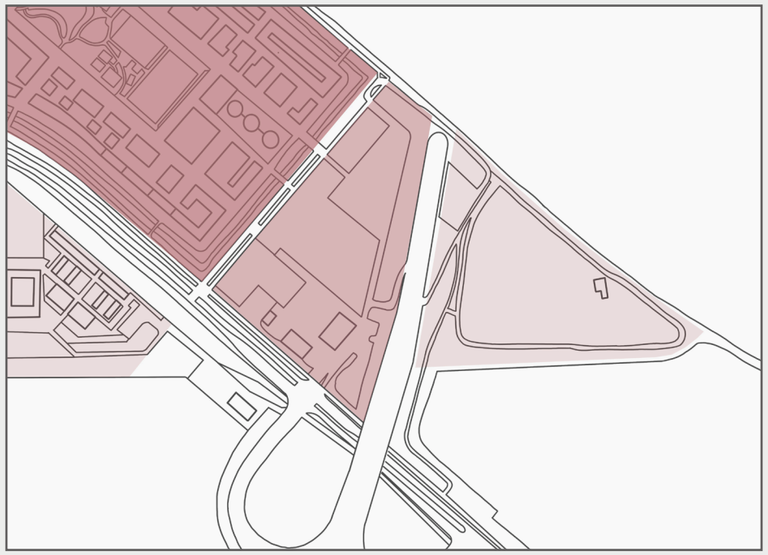


URBAN DESIGN

MUNICIPALITY AREA PLANS



DEVELOPMENT OVER TIME



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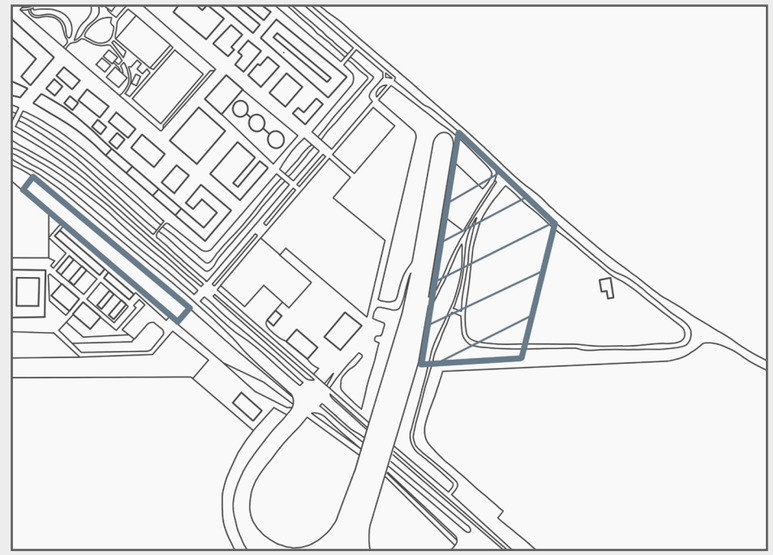
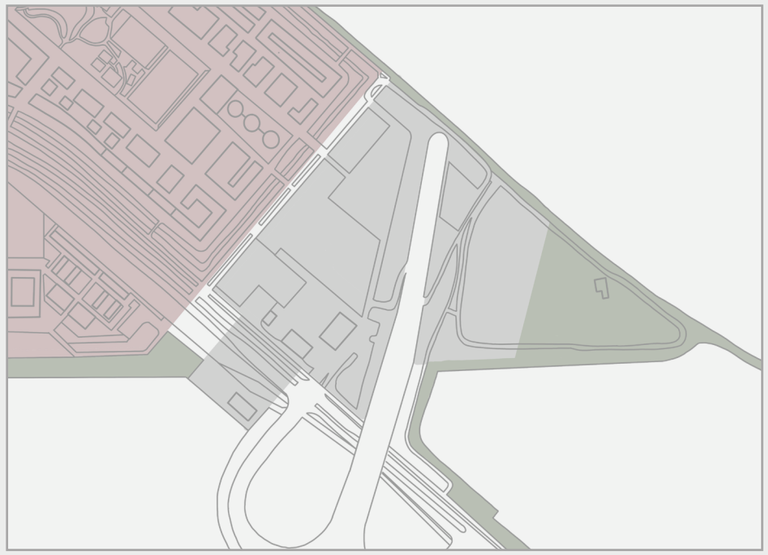
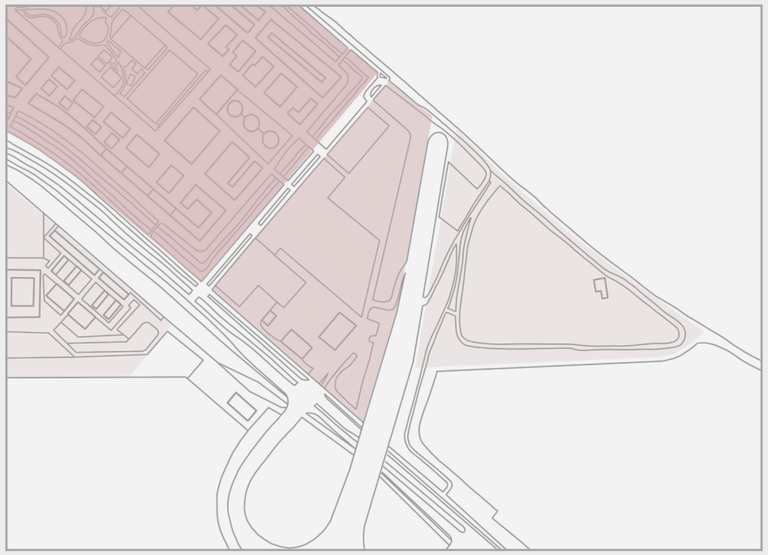


URBAN DESIGN

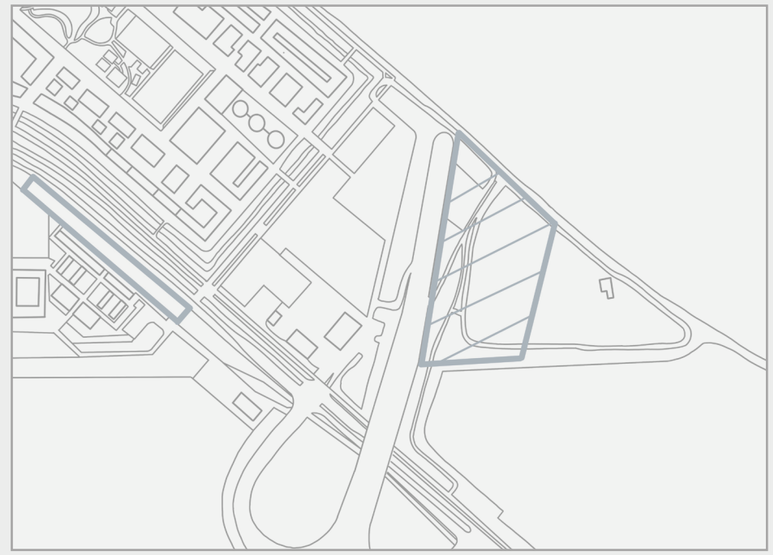
MUNICIPALITY AREA PLANS



DEVELOPMENT OVER TIME

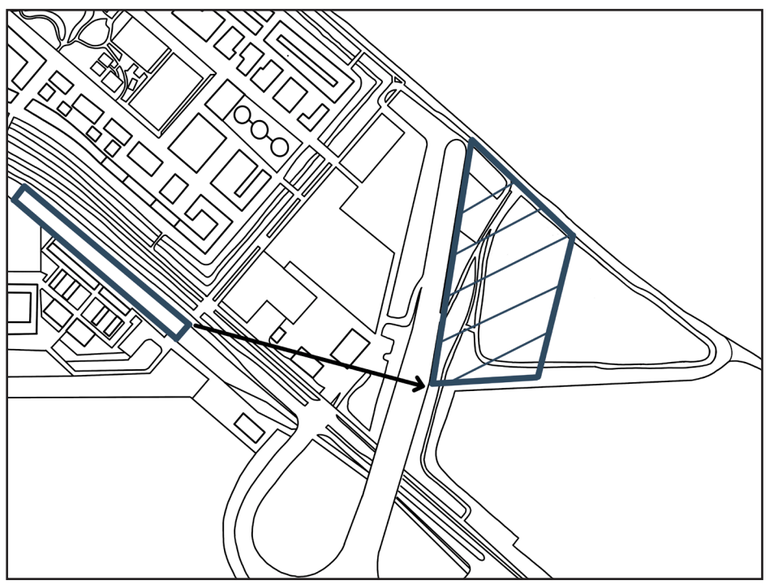


TRAM STORAGE



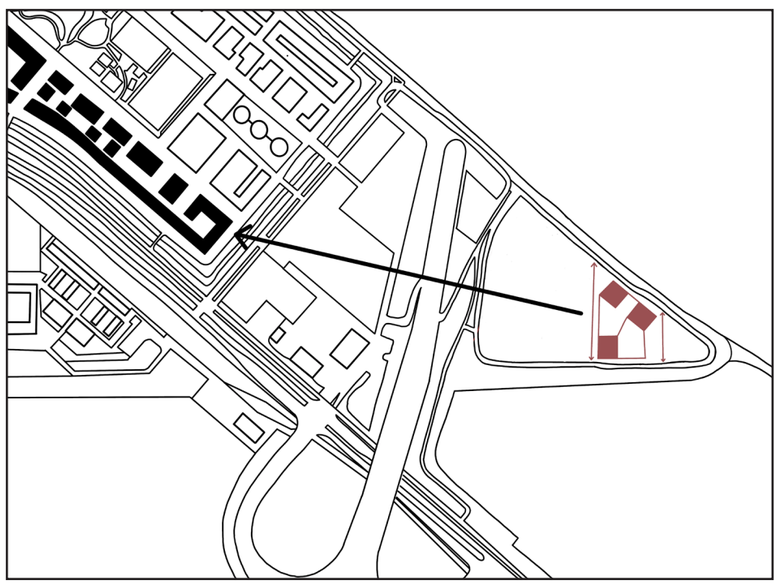
1. IMPLEMENTING EXCISTING PLANS

Implementing **municipality plans**



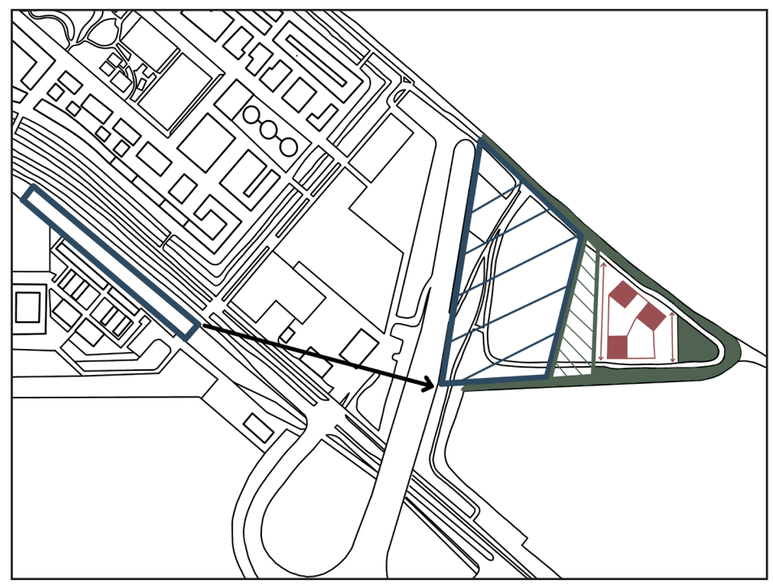
2. SCALE RECOGNISION

Taking inspiration from the **scale of excisting** buildings



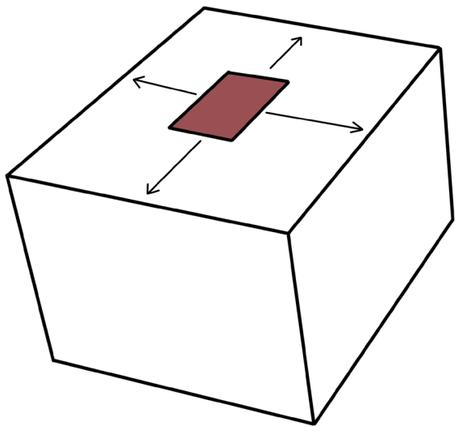
3. CREATIVE GREEN ROUTING

Creating multple routes an a **cityscape** that changes with the season



BUILDING MASS CONCEPT

Designing from **grid and core creation**



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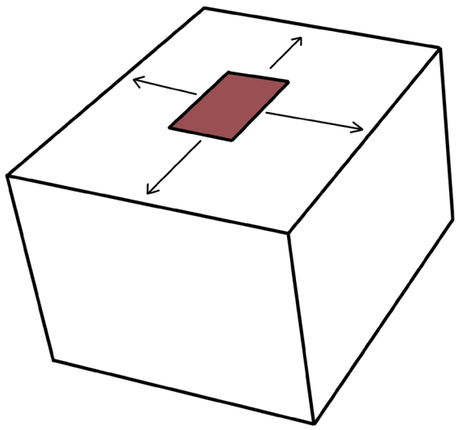
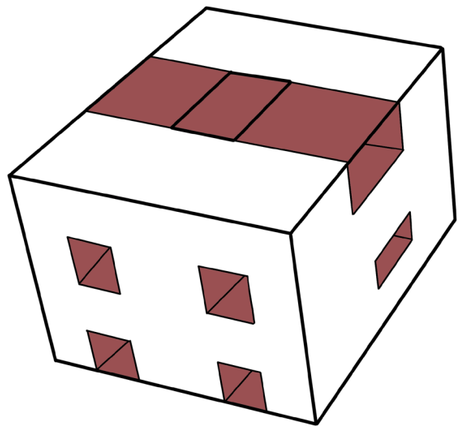
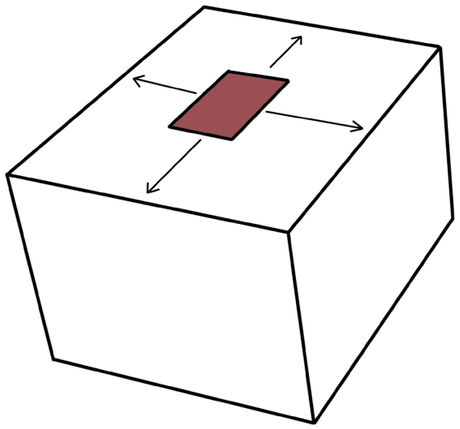




Creating **openings for daylight access** for spaces surrounding the core

BUILDING MASS CONCEPT

Designing from **grid and core creation**



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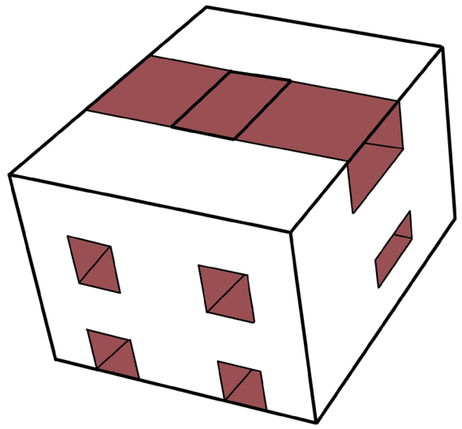
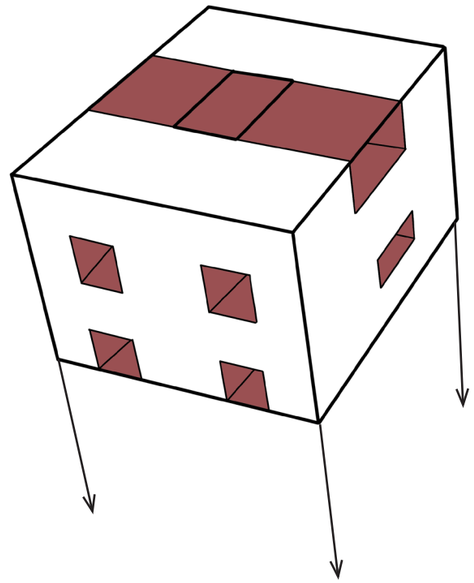
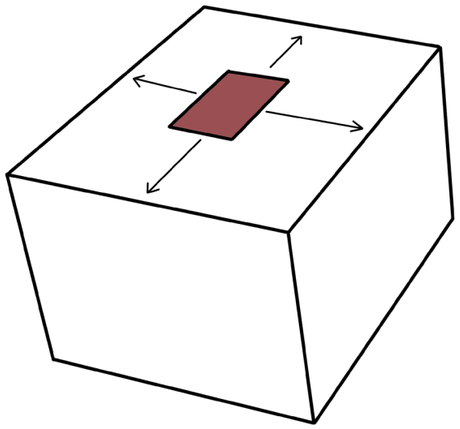


Searching for **integration opportunities** in location landscape



BUILDING MASS CONCEPT

Designing from **grid and core creation**



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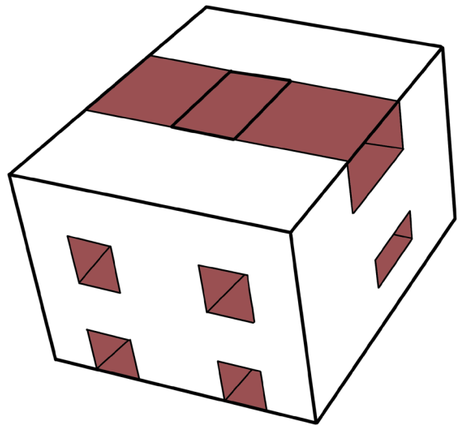

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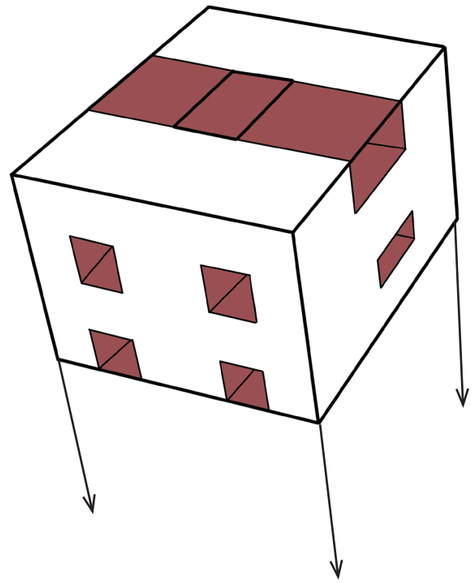
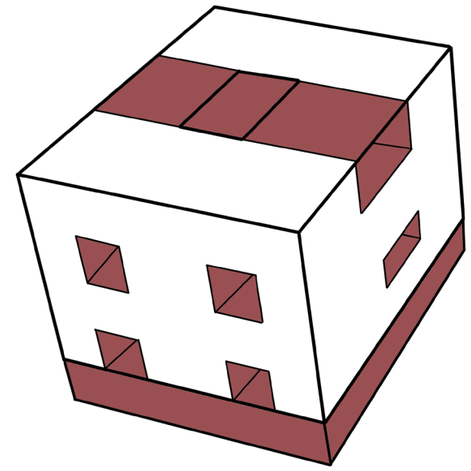
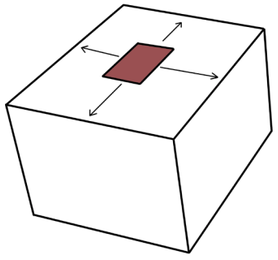


Opting for a **commercial plinth** to stimulate visitors



URBAN MASS CONCEPT

1. DESIGNING THE CORE
following the shape of the grid and creating a **core surrounded with different functions**



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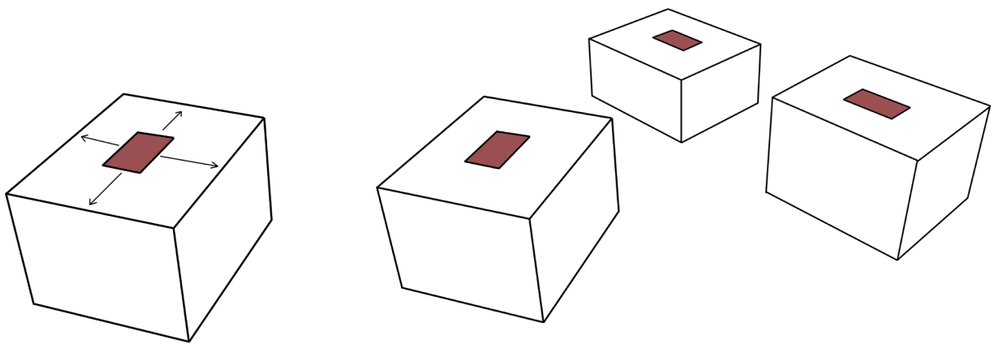
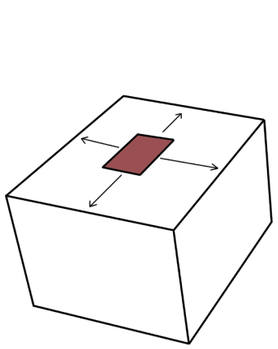
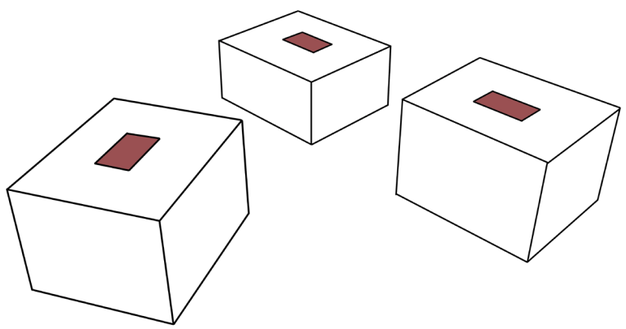


2. URBAN MASS FORMING
Basic concept that can be **multiplied**

URBAN MASS CONCEPT

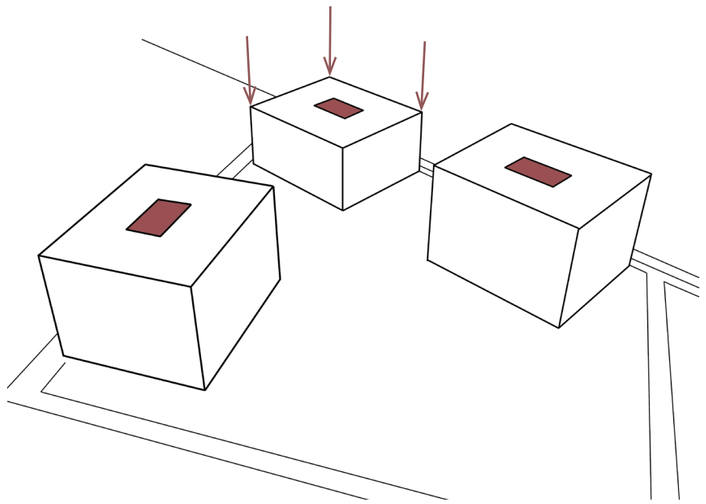
1. DESIGNING THE CORE
following the shape of the grid and creating a **core surrounded with different functions**





2. URBAN MASS FORMING
Basic concept that can be **multiplied**

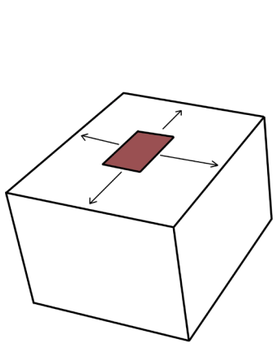
3. CONTEXT
Creating **height difference** to shape the blocks towards the water



URBAN MASS CONCEPT

1. DESIGNING THE CORE

following the shape of the grid and creating a **core surrounded with different functions**



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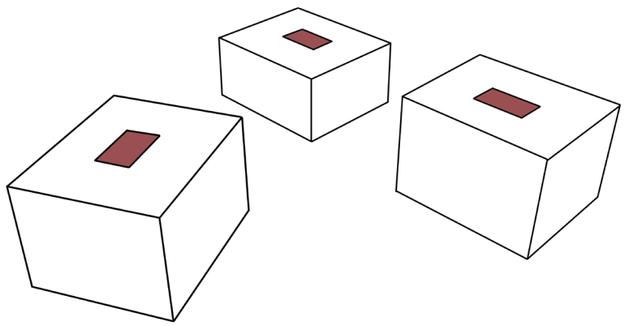
Basic concept that can be **multiplied**



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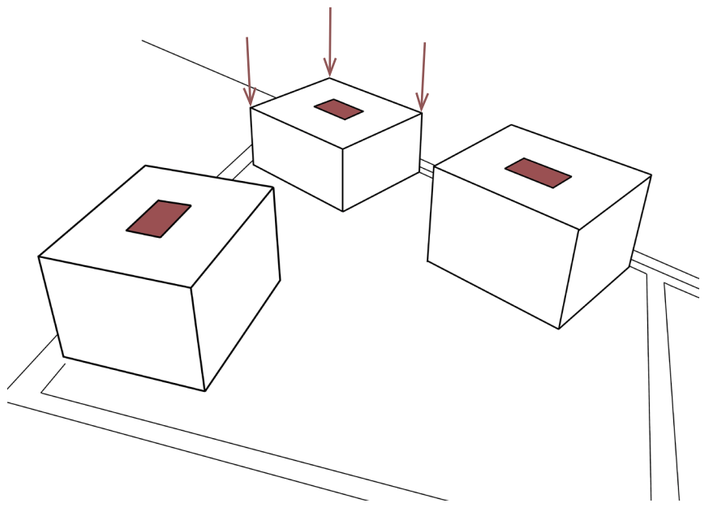
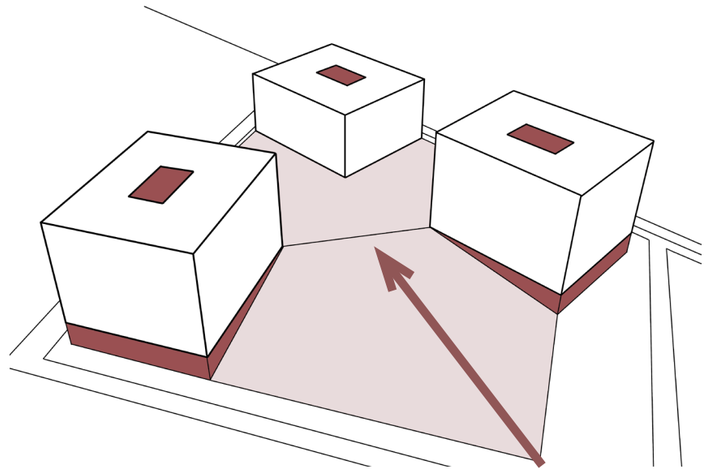


4. CLUSTER ACCESSABILITY

Pedestrian access in form of **sloped green spine**



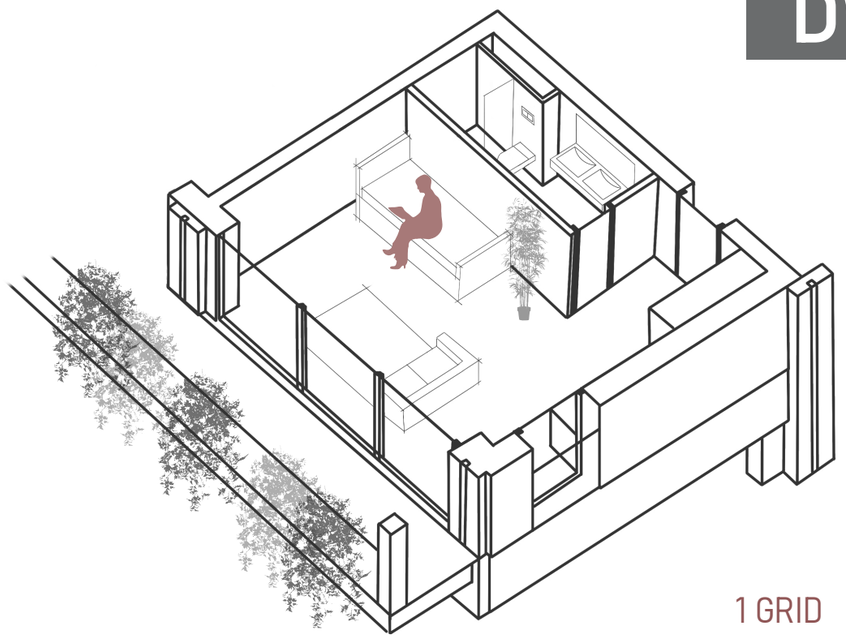
“Reactieprestatie”

(Frans van Klingeren, 2003)

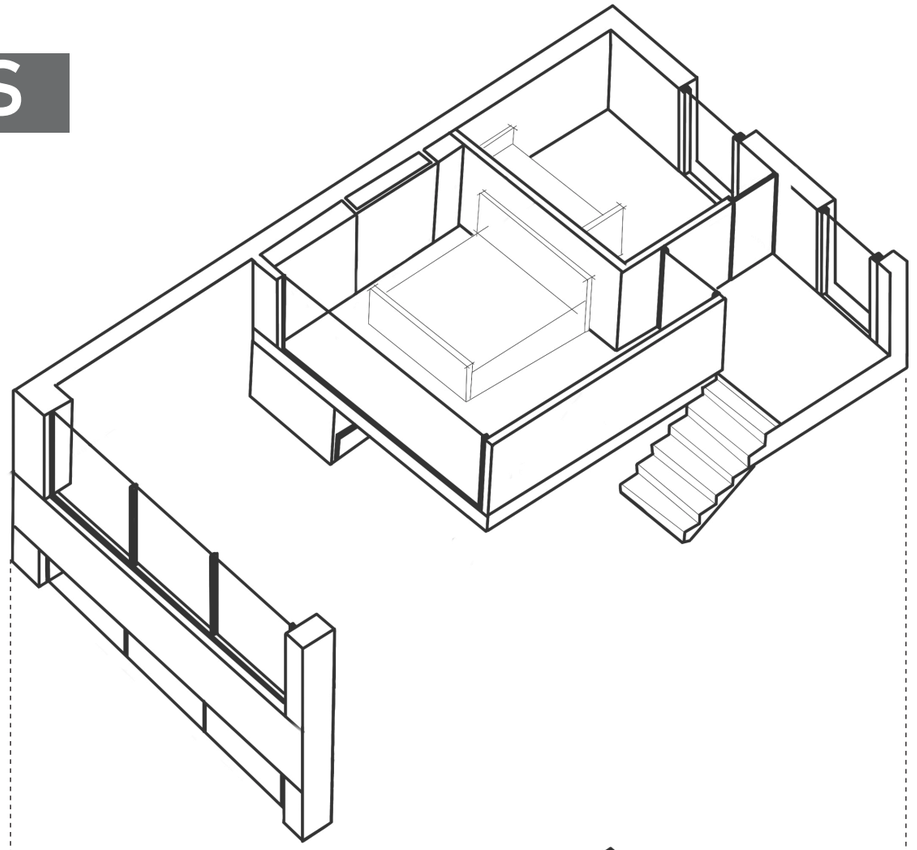
FLOORPLAN

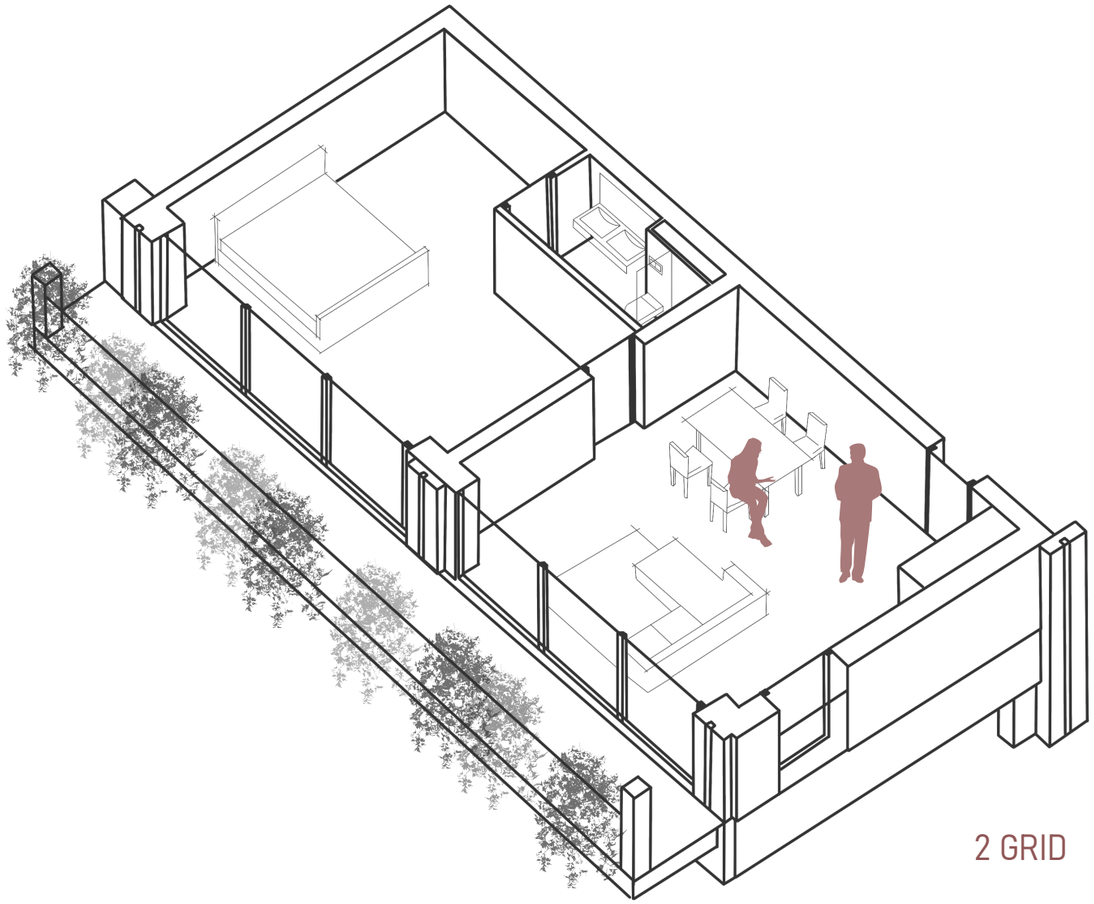
+ 2 DECK

DWELLINGS

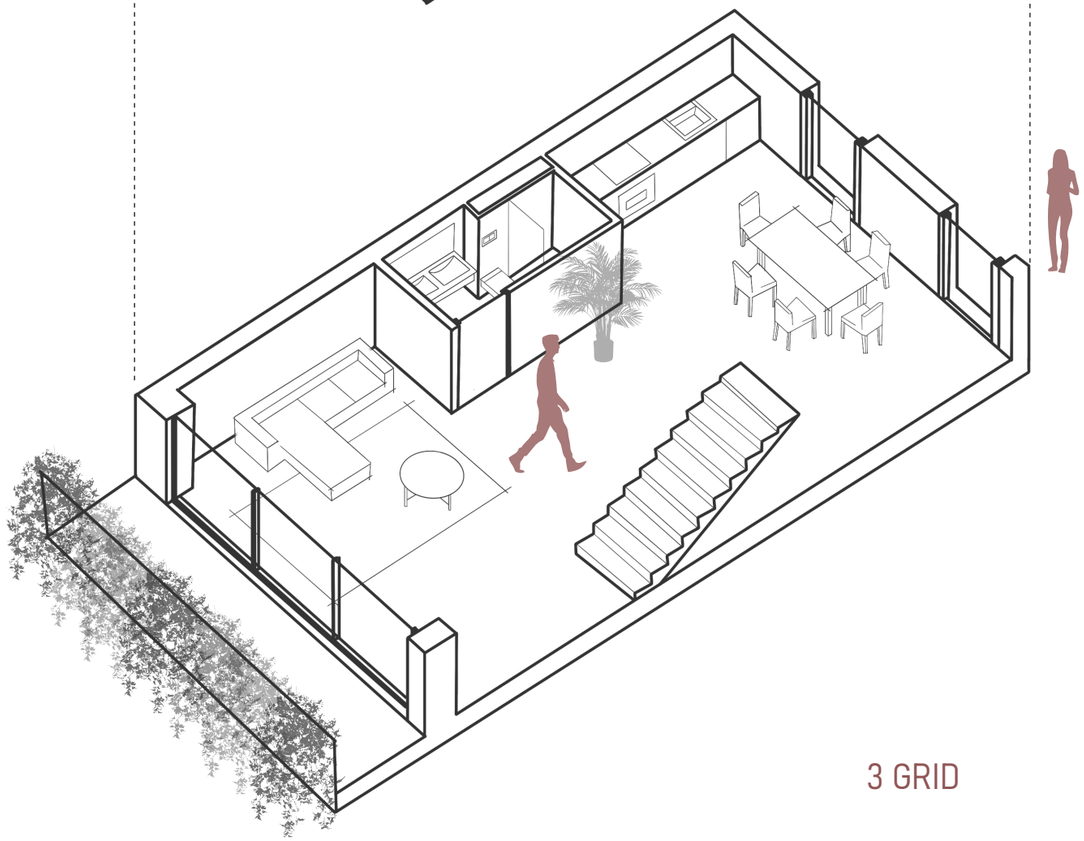


1 GRID





2 GRID



3 GRID

PROGRAMME

library

workspace

courtyards

underground parking

COLLECTIVE COMMUNITY

play area

rooftop terraces

storage space

gym

atelier

guest short-stay

livingroom

laundry room

hobby area

COLLECTIVE GROUP

dining place

meeting rooms

worksplaces

wellness bathroom

spacious kitchen

livingroom

bathroom

kitchenette

SEMI-PRIVATE

livingroom

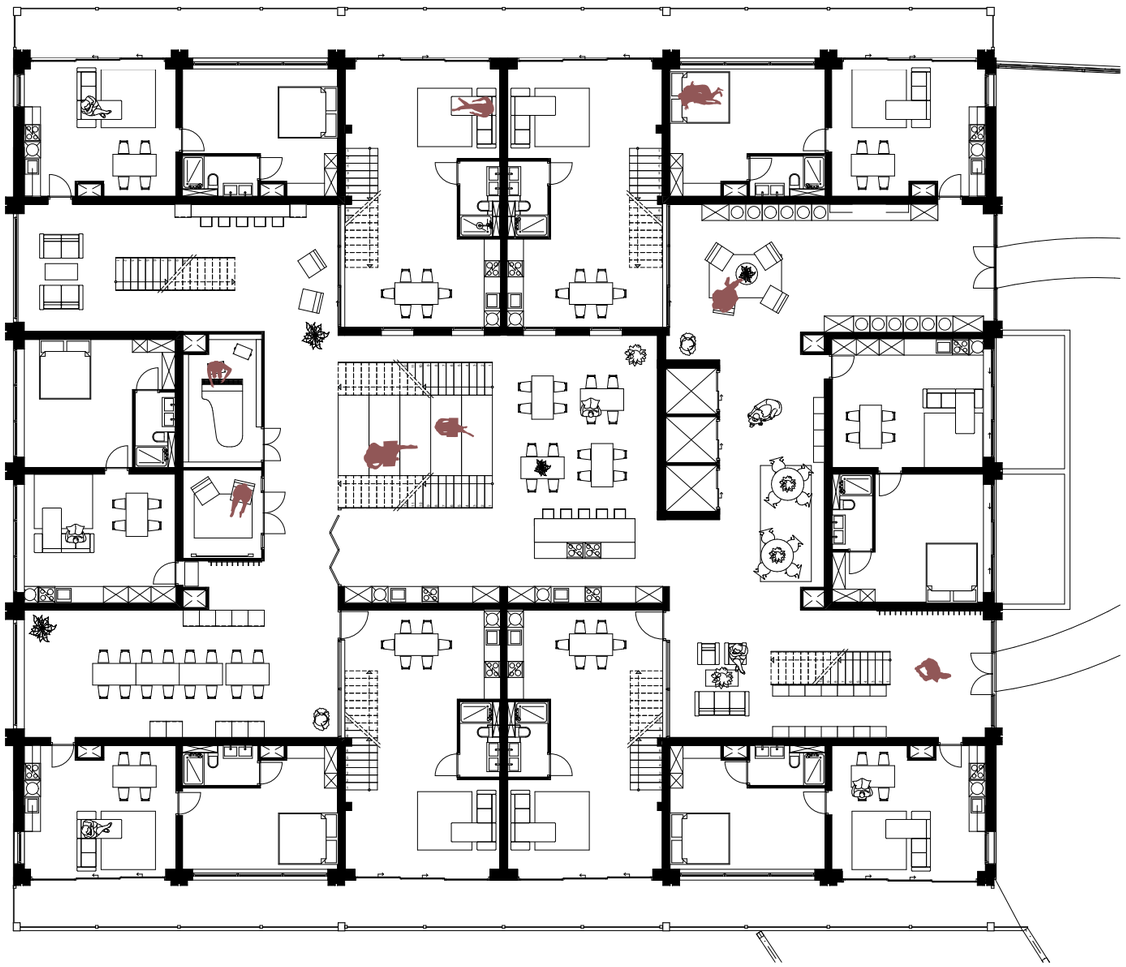
bedroom

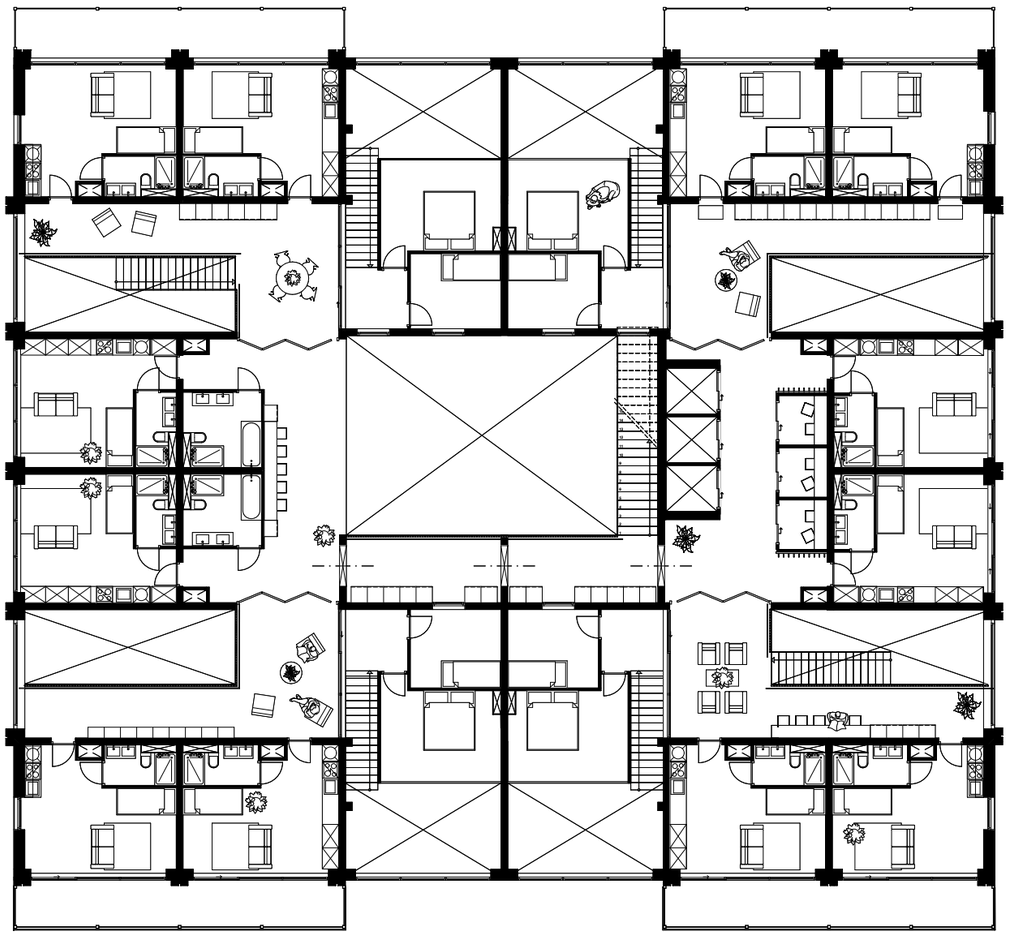
PRIVATE

MACRO

MICRO

CLUSTER





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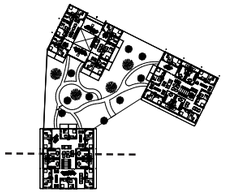

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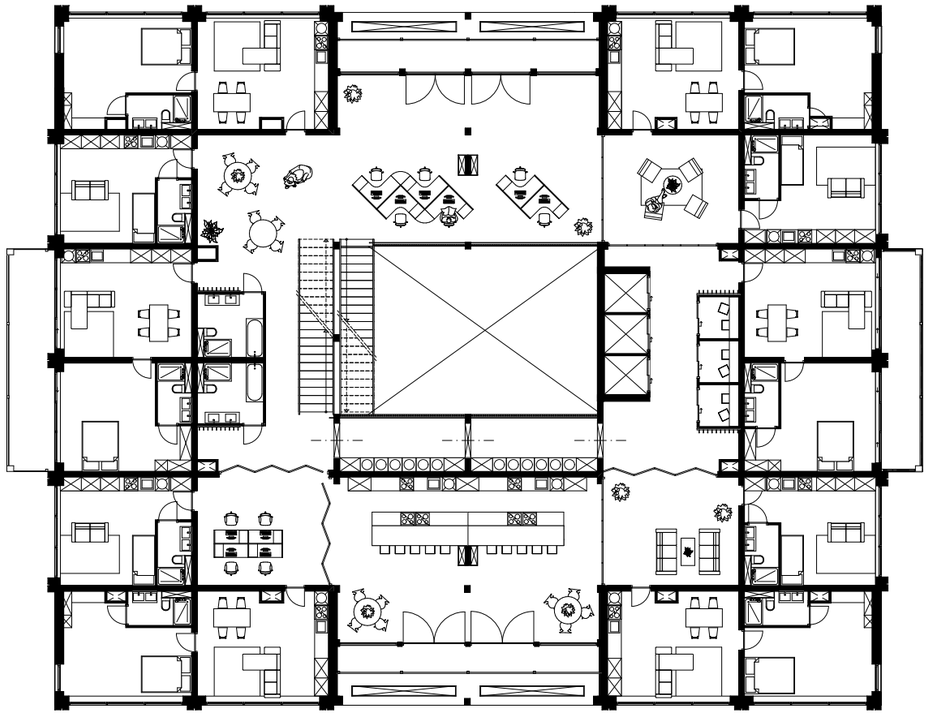

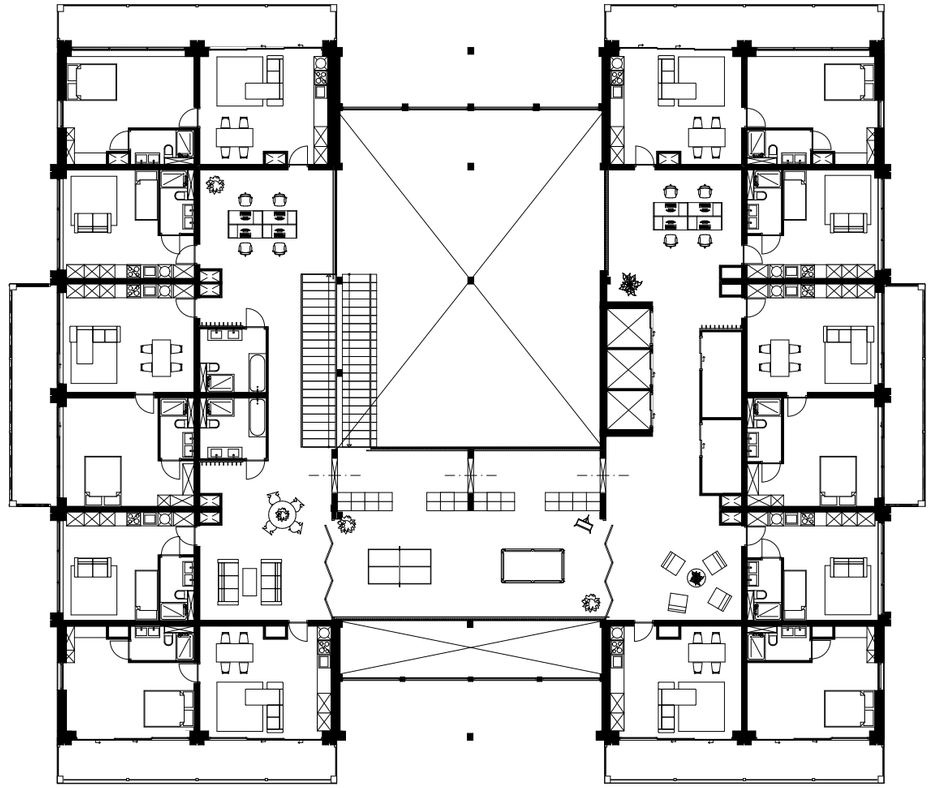

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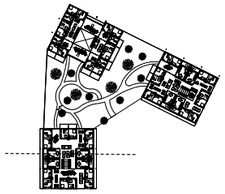
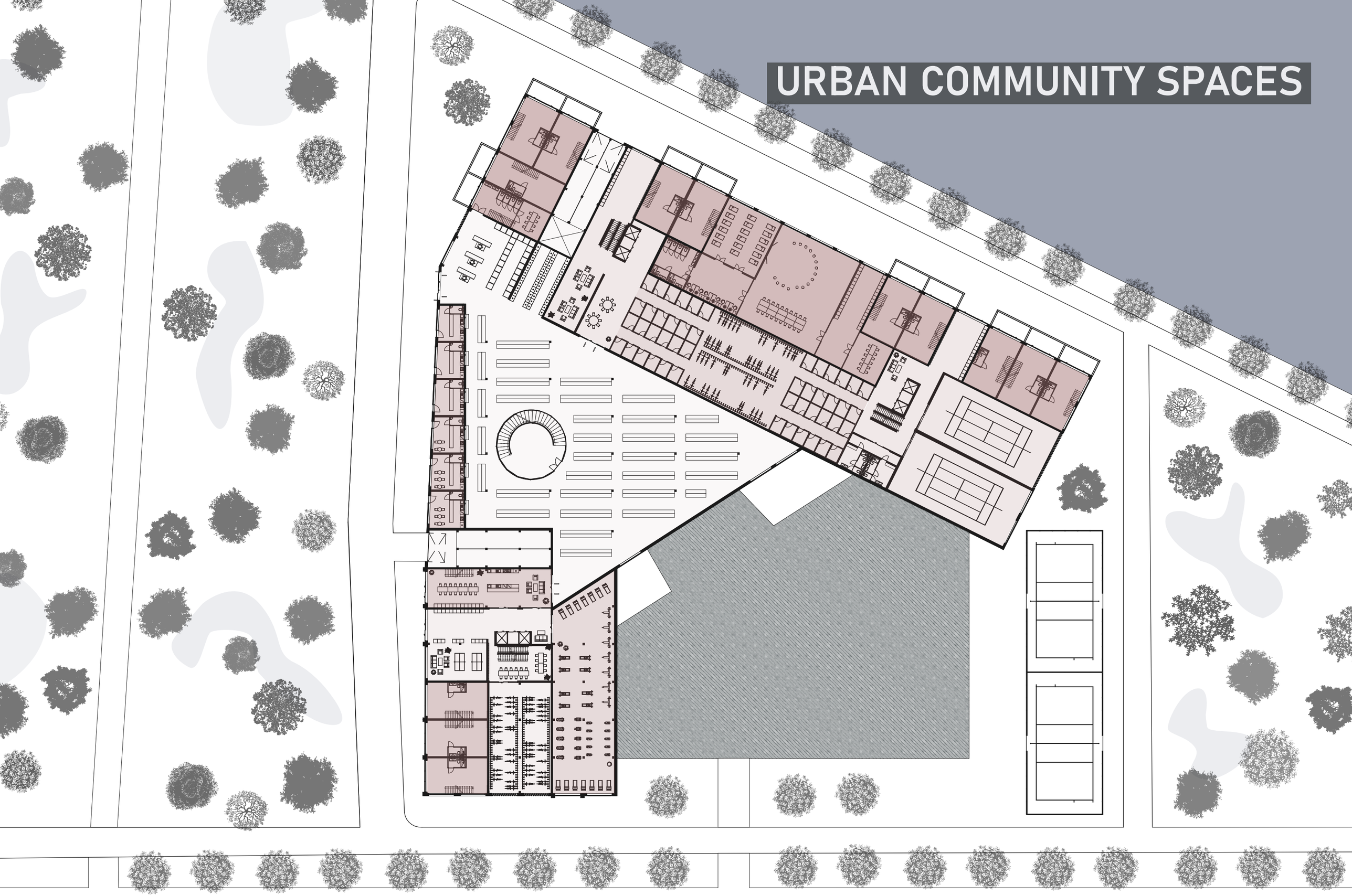
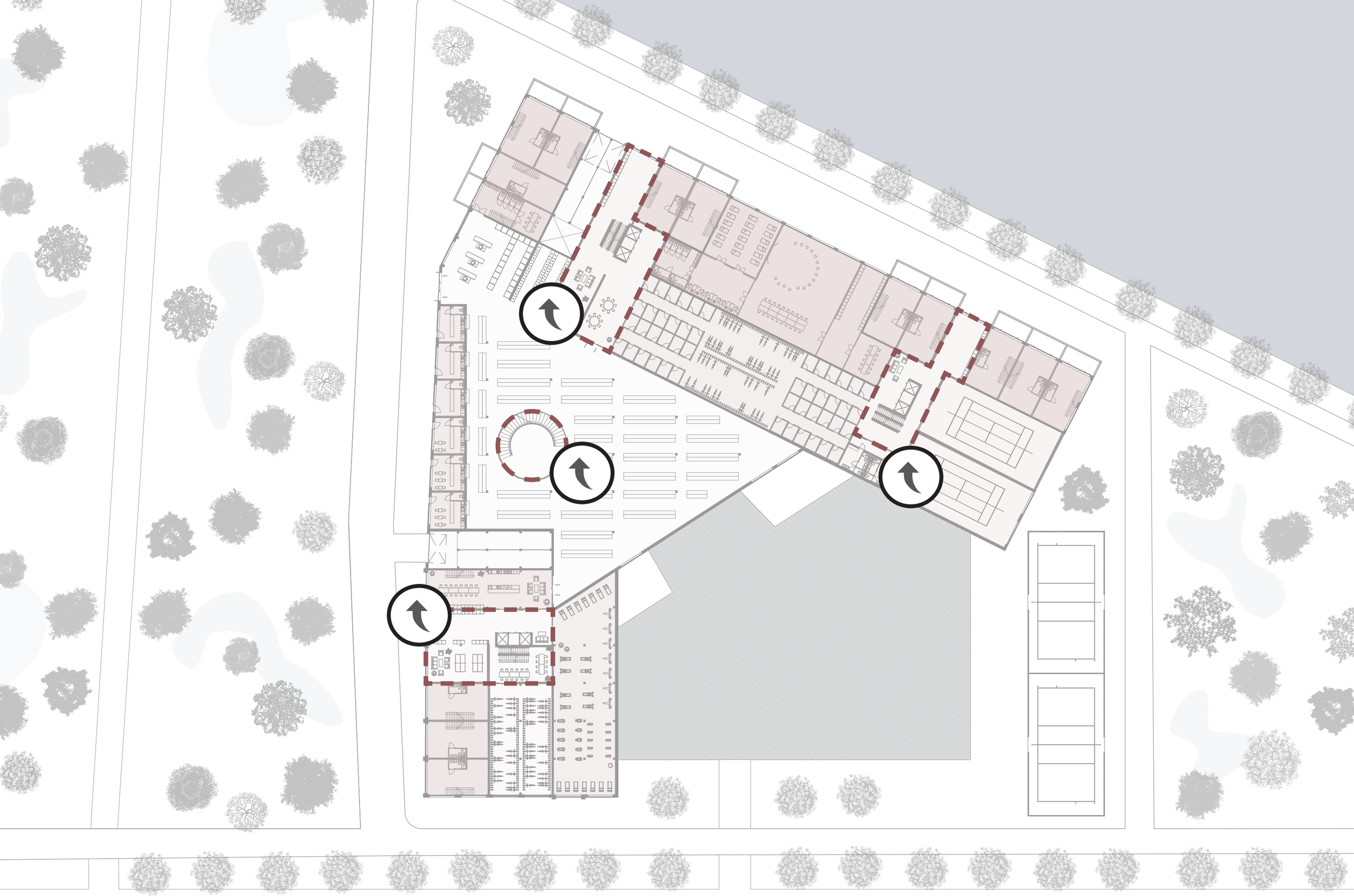
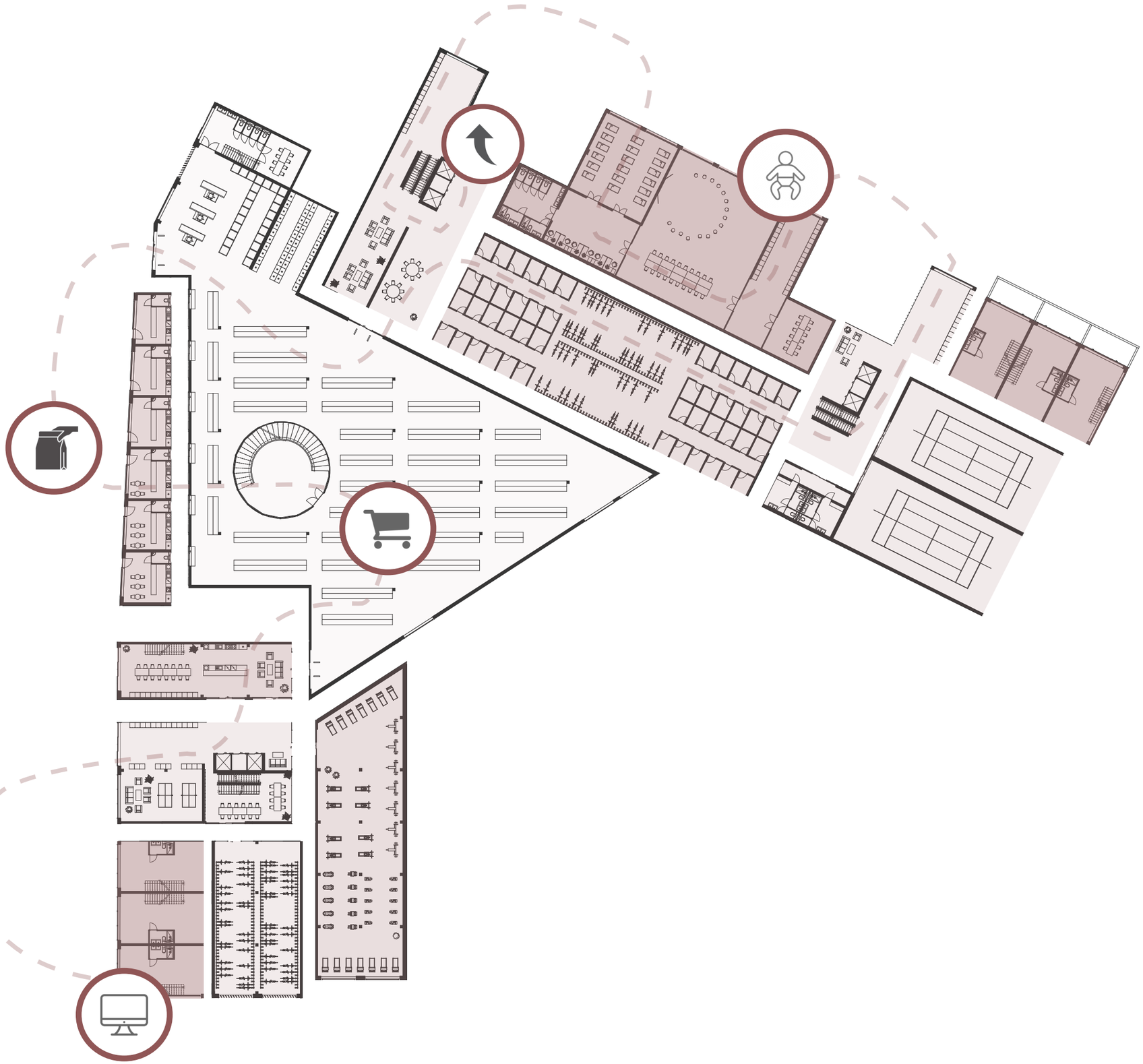


URBAN COMMUNITY SPACES



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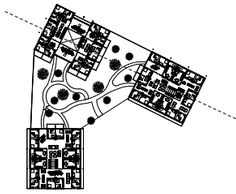
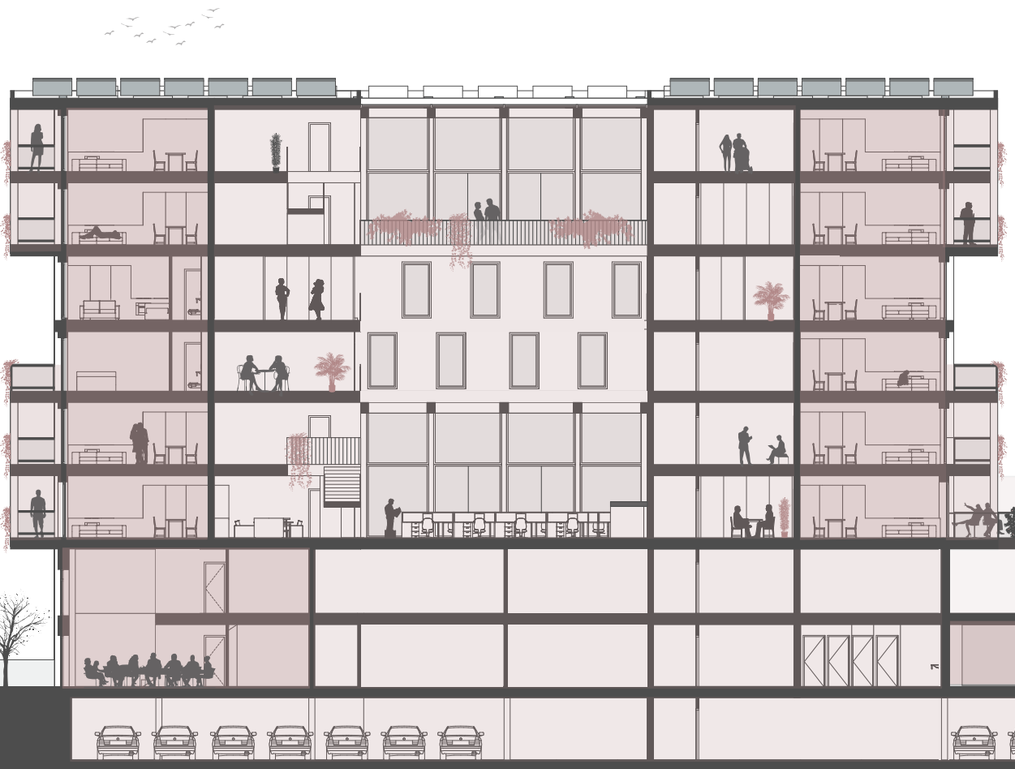
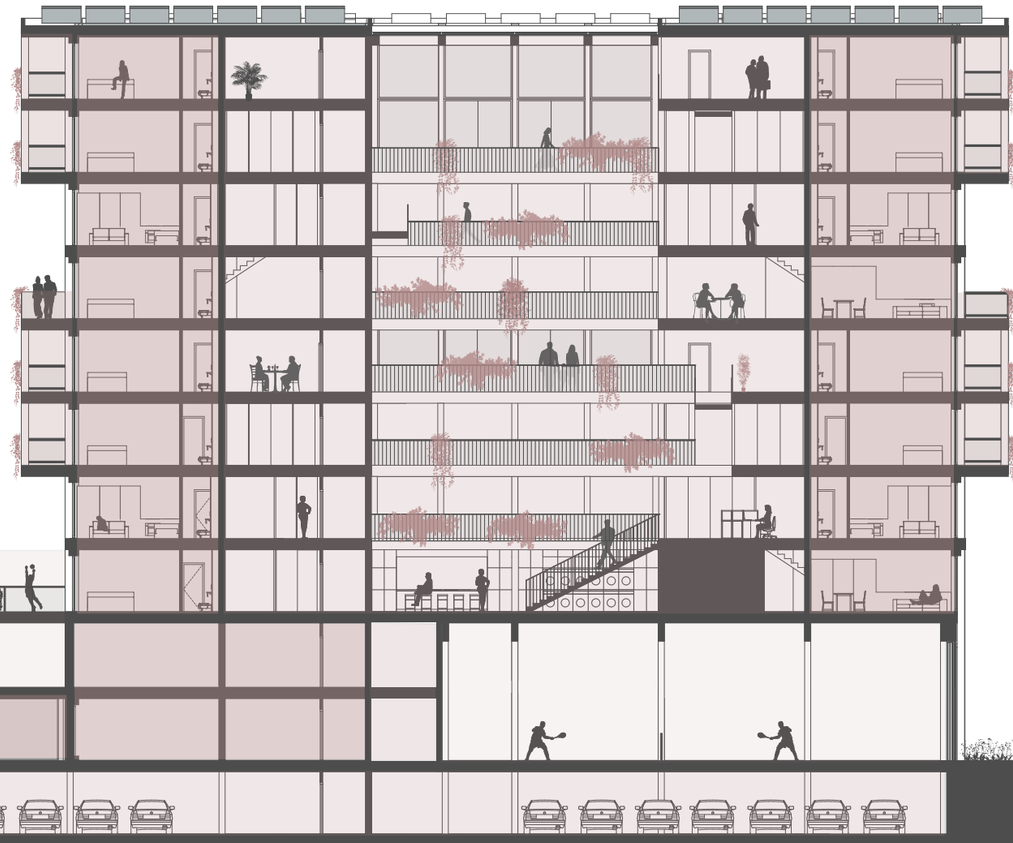
SECTION



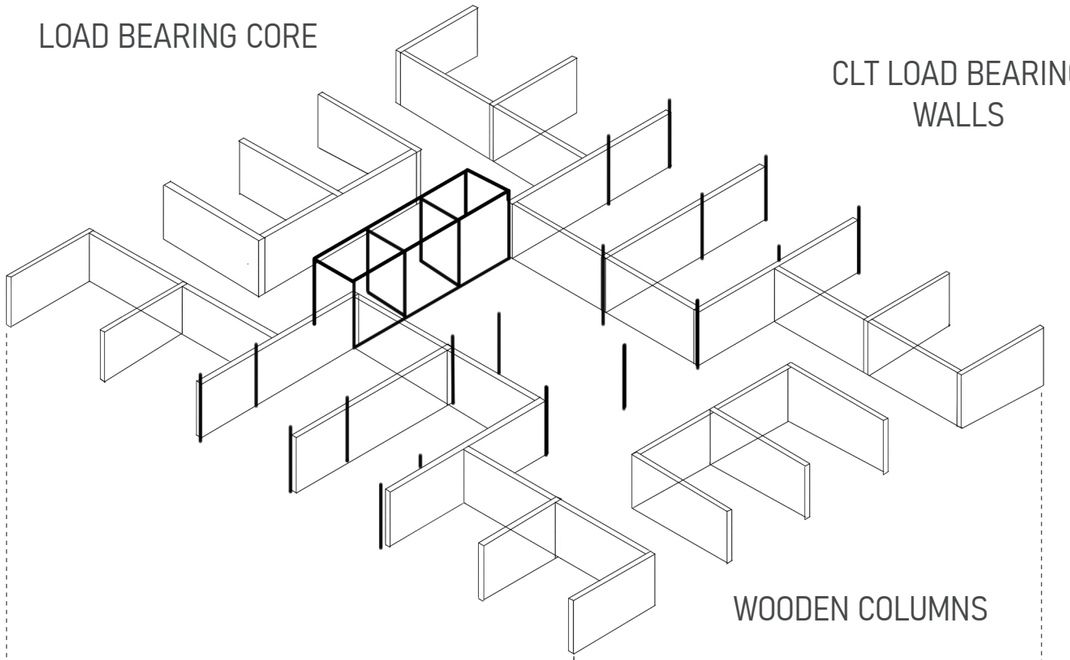




LOAD BEARING STRUCTURE

LOAD BEARING CORE

CLT LOAD BEARING
WALLS



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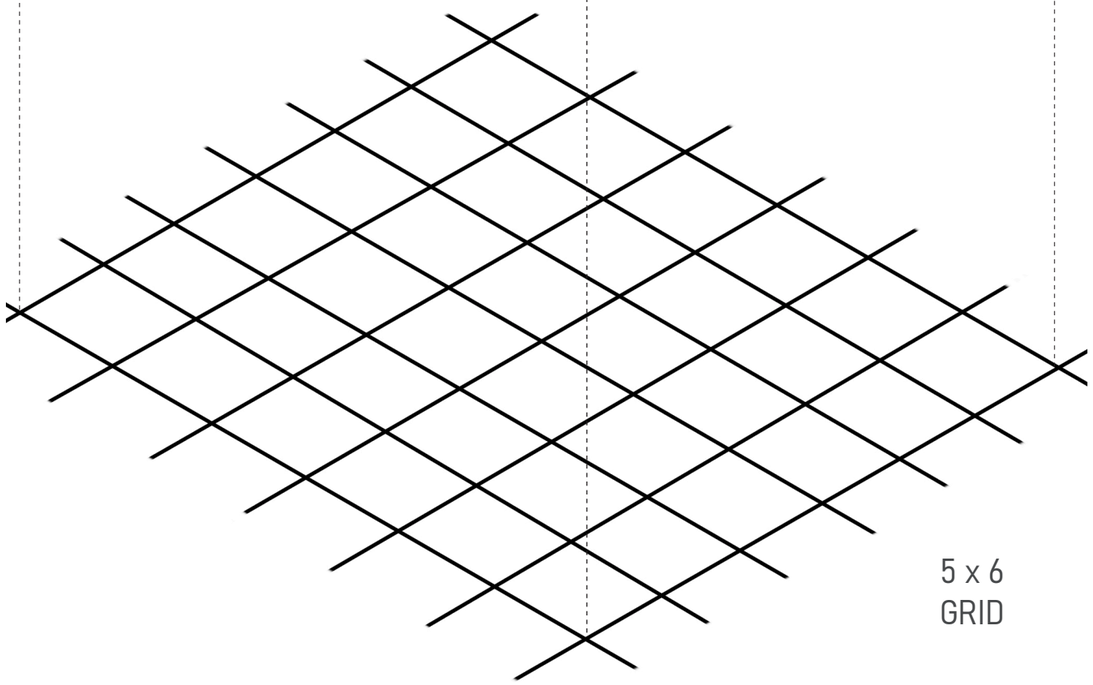

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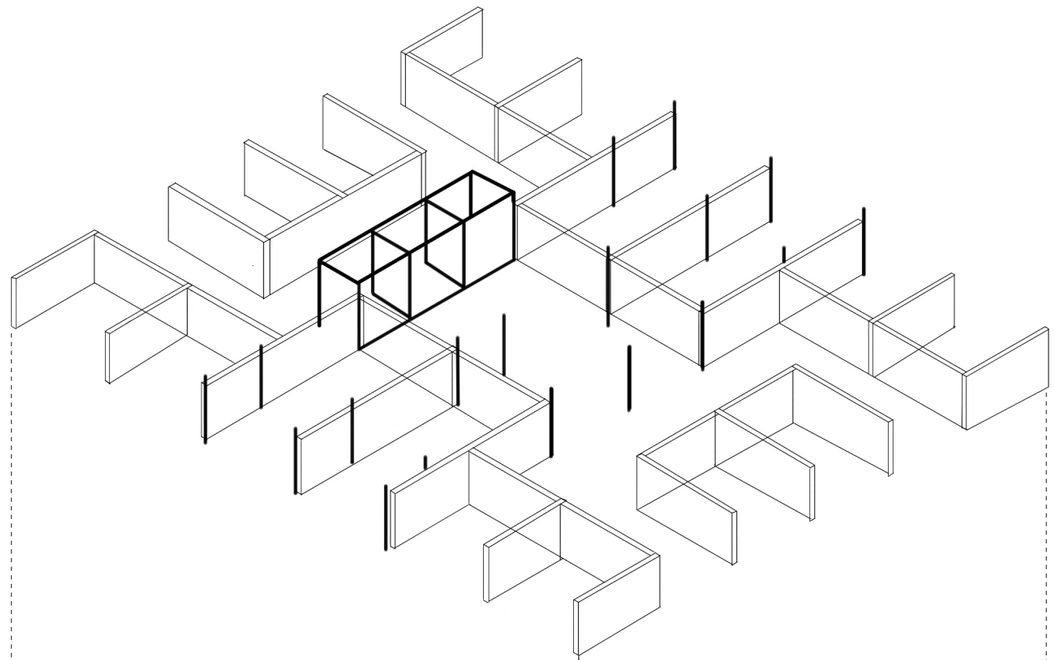
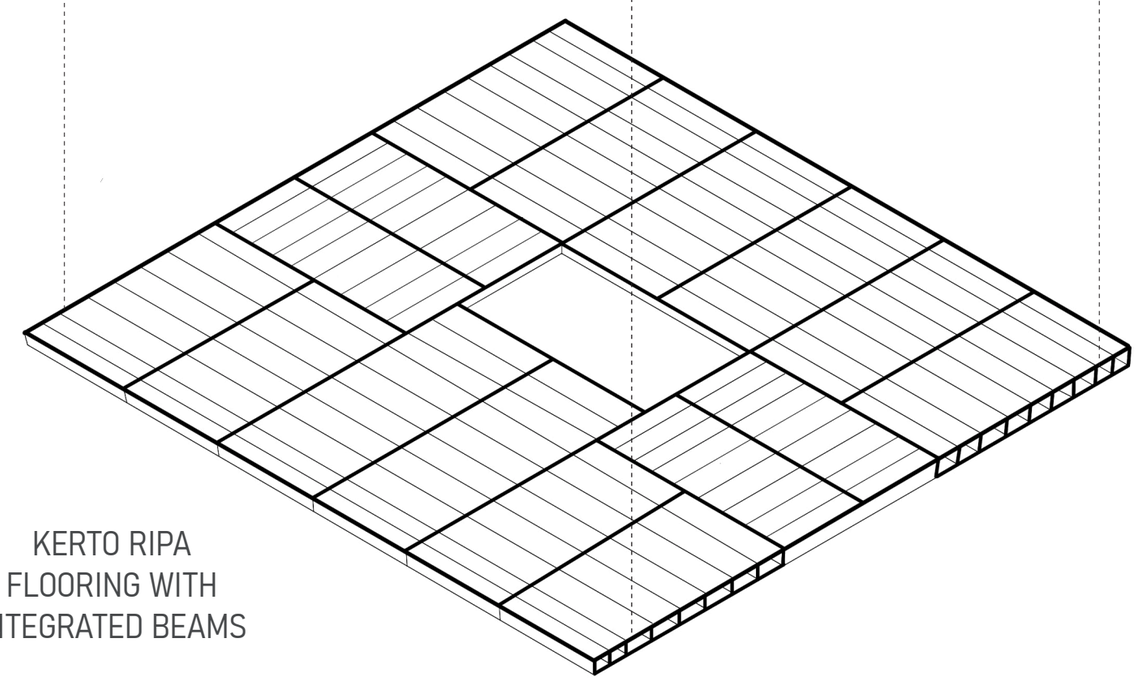
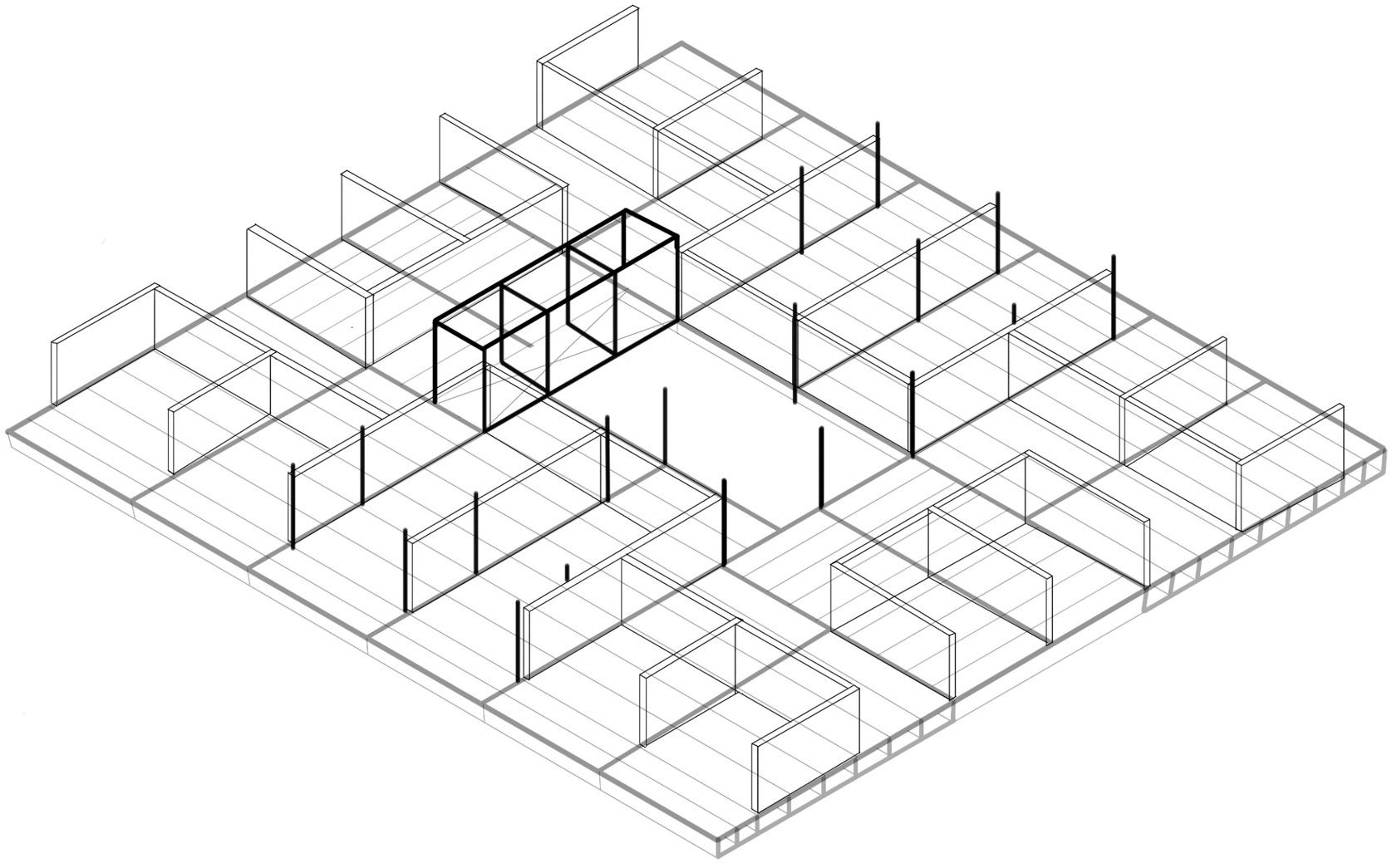


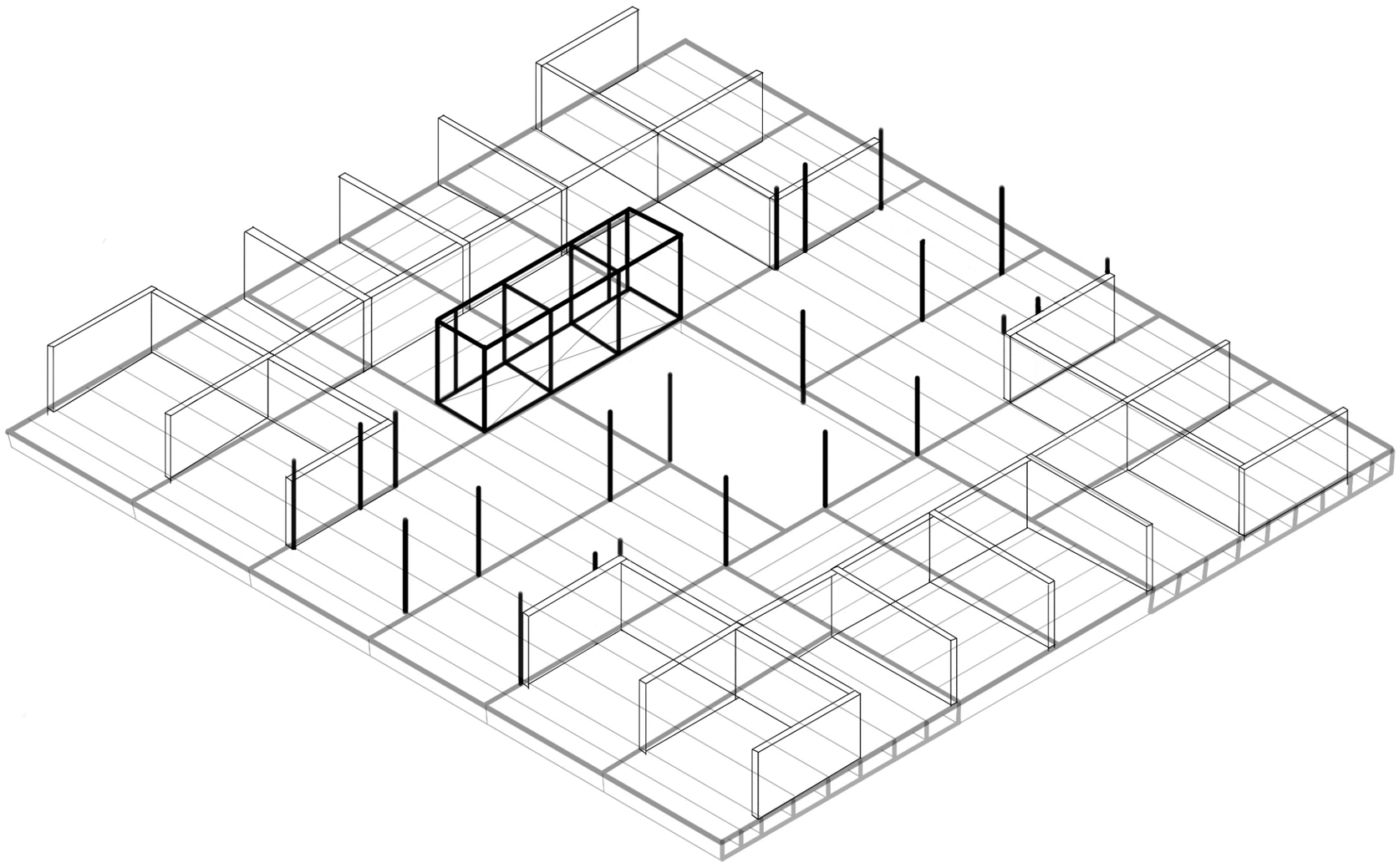


KERTO RIPA
FLOORING WITH
INTEGRATED BEAMS

1ST & 2ND FLOOR



3RD FLOOR



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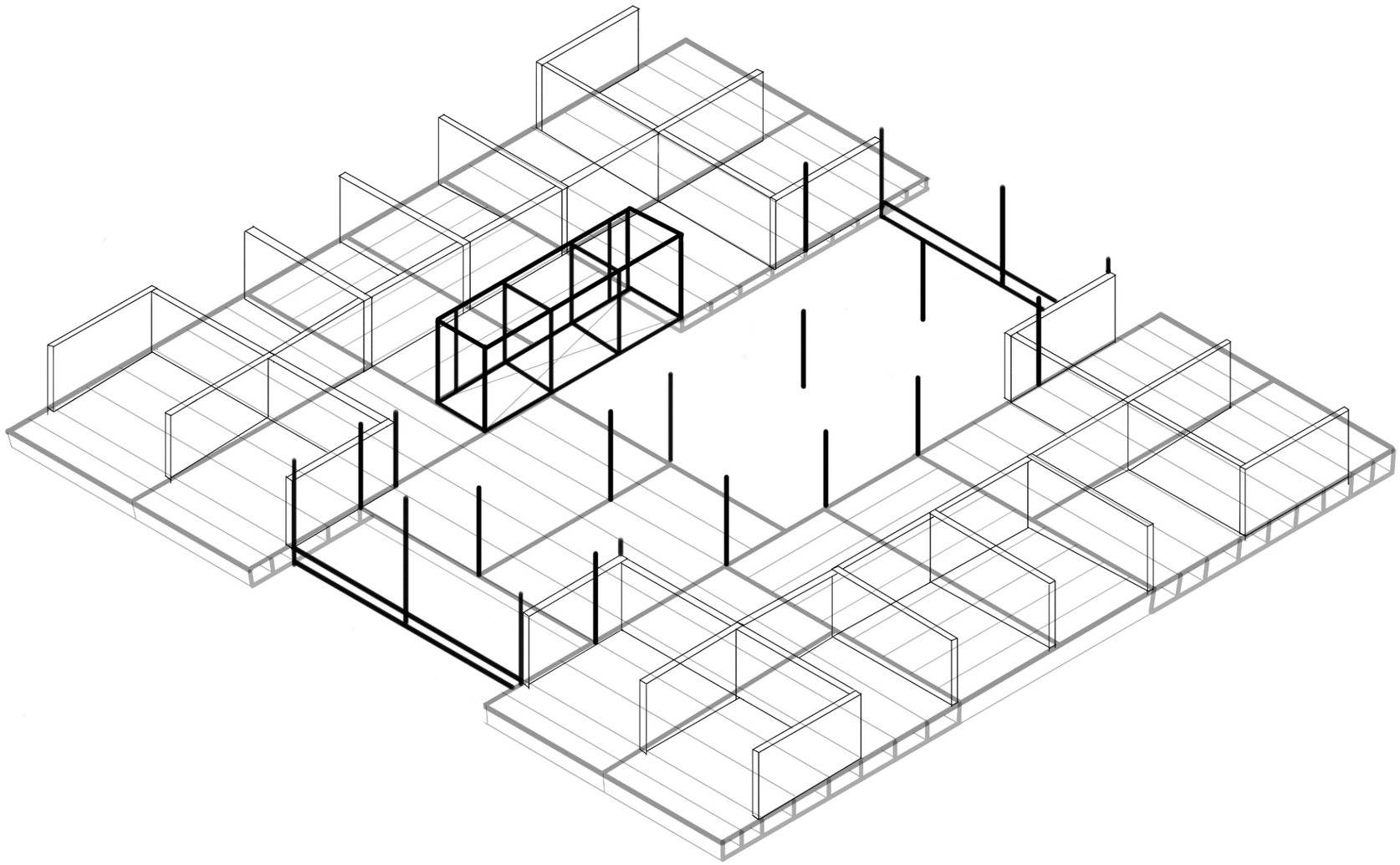
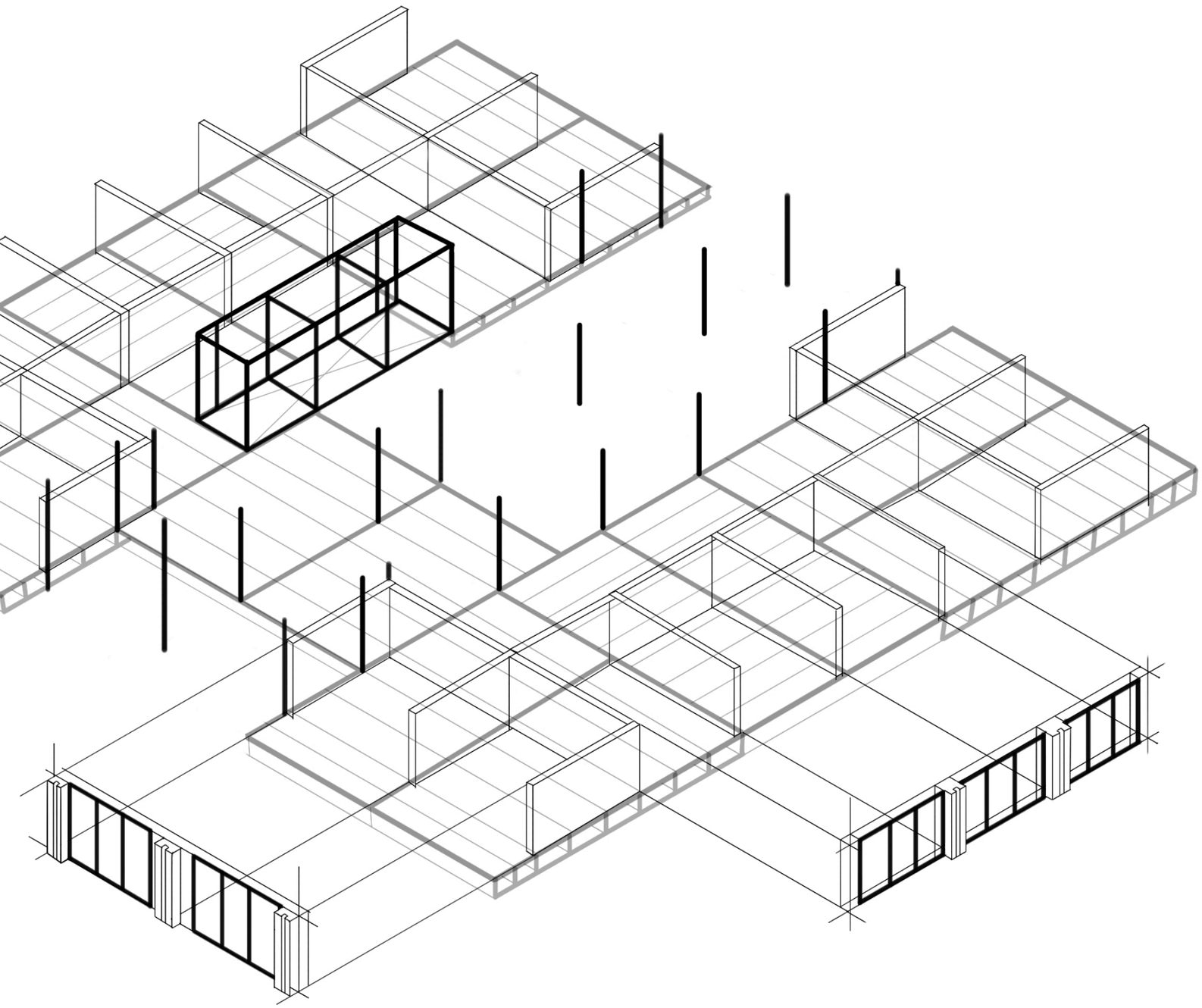
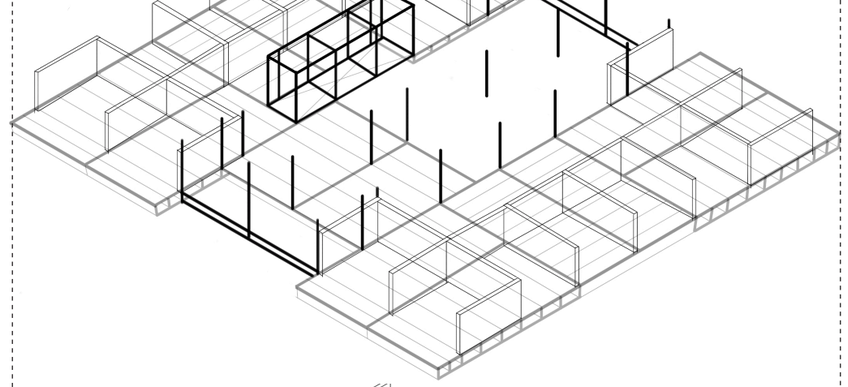
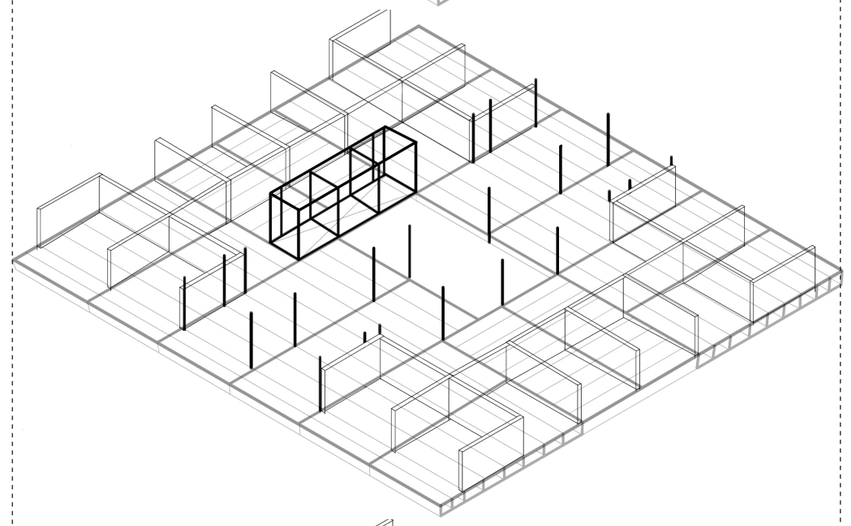
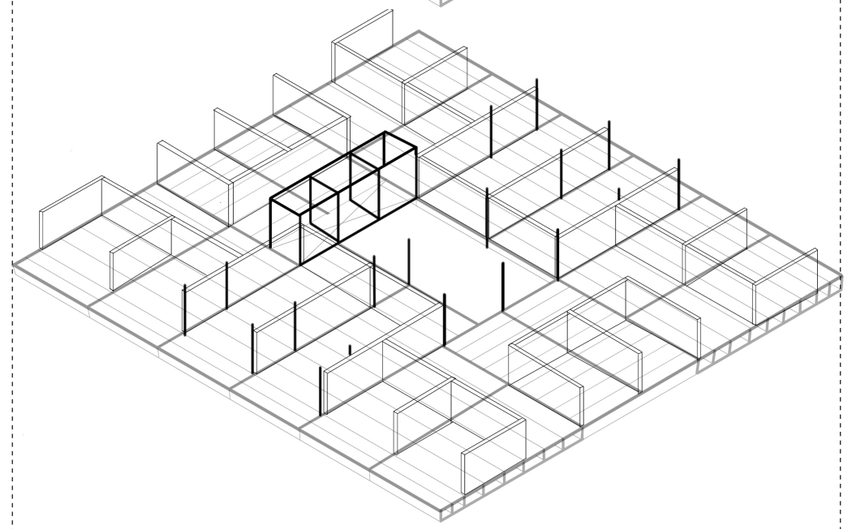
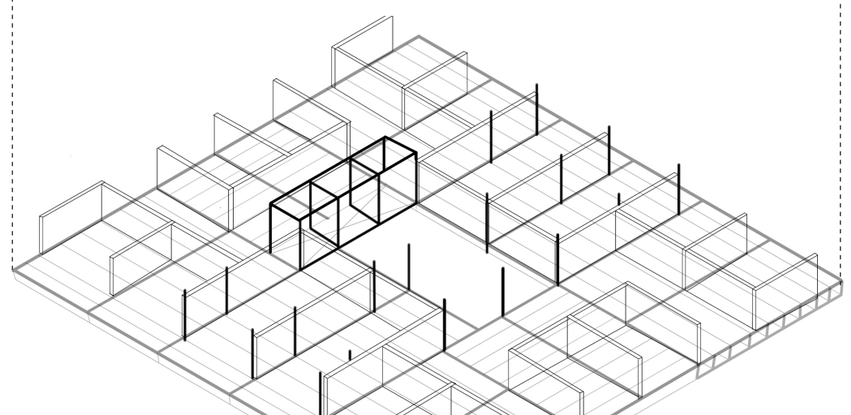


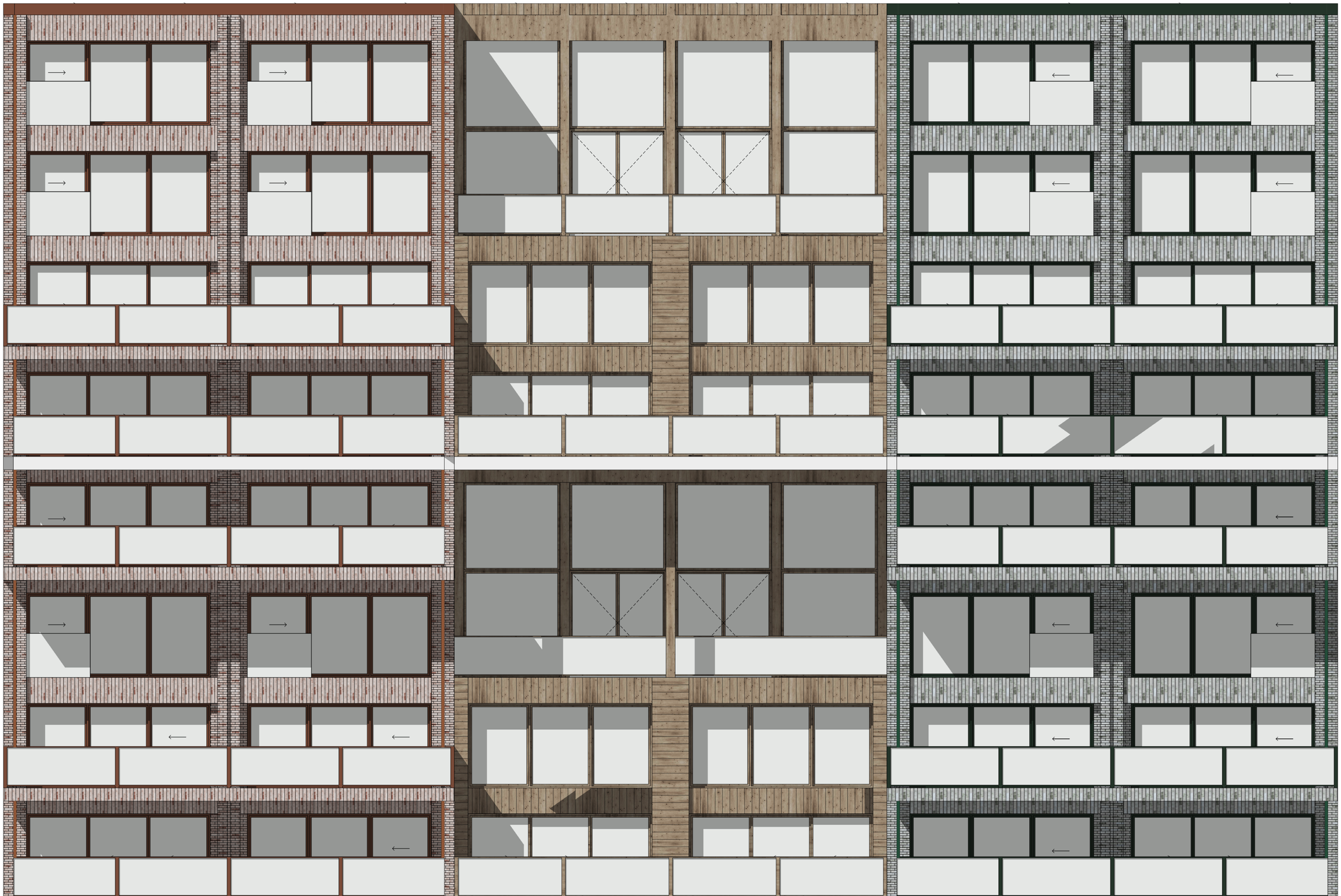


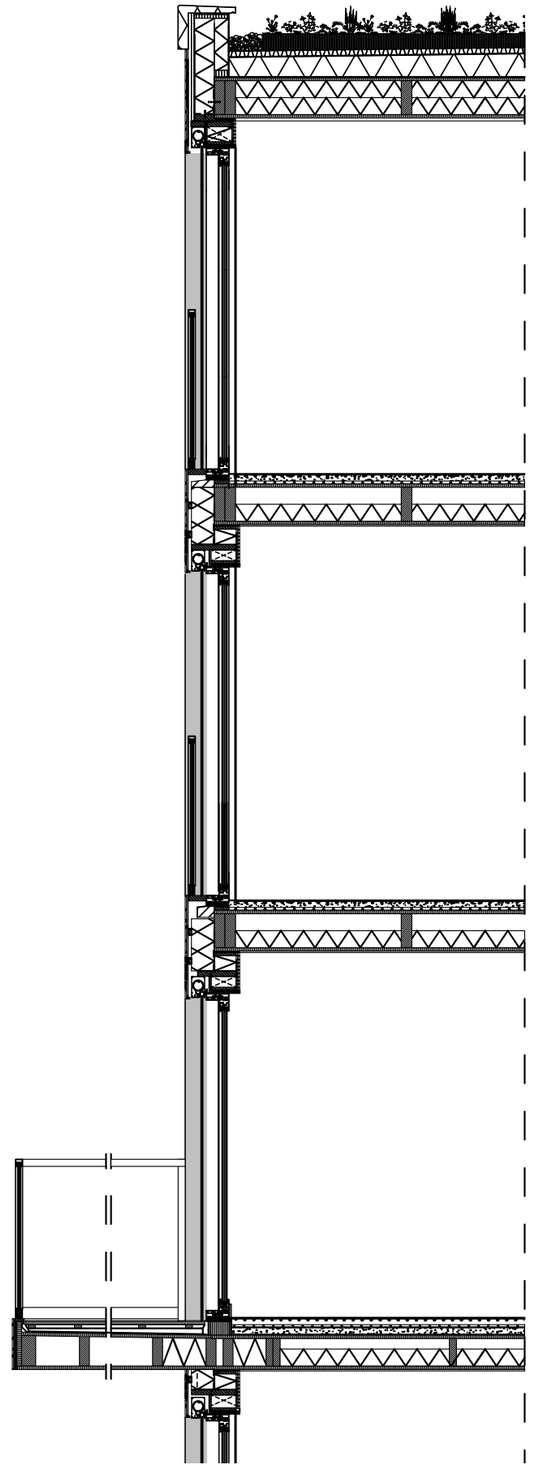


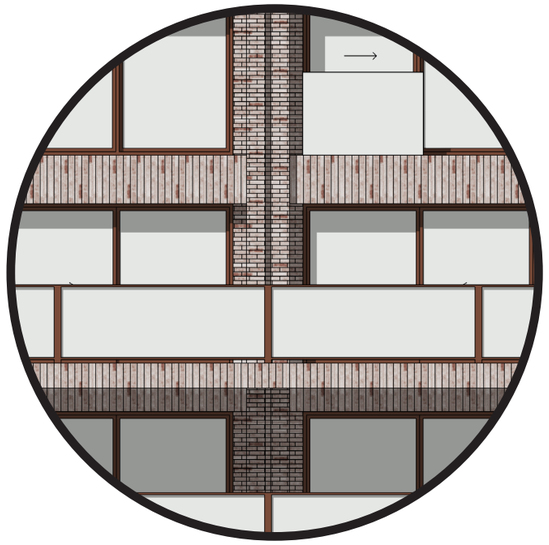












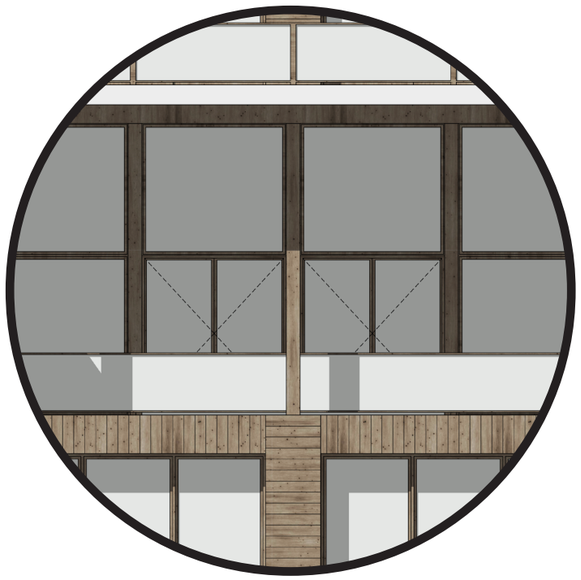
OUTSIDE

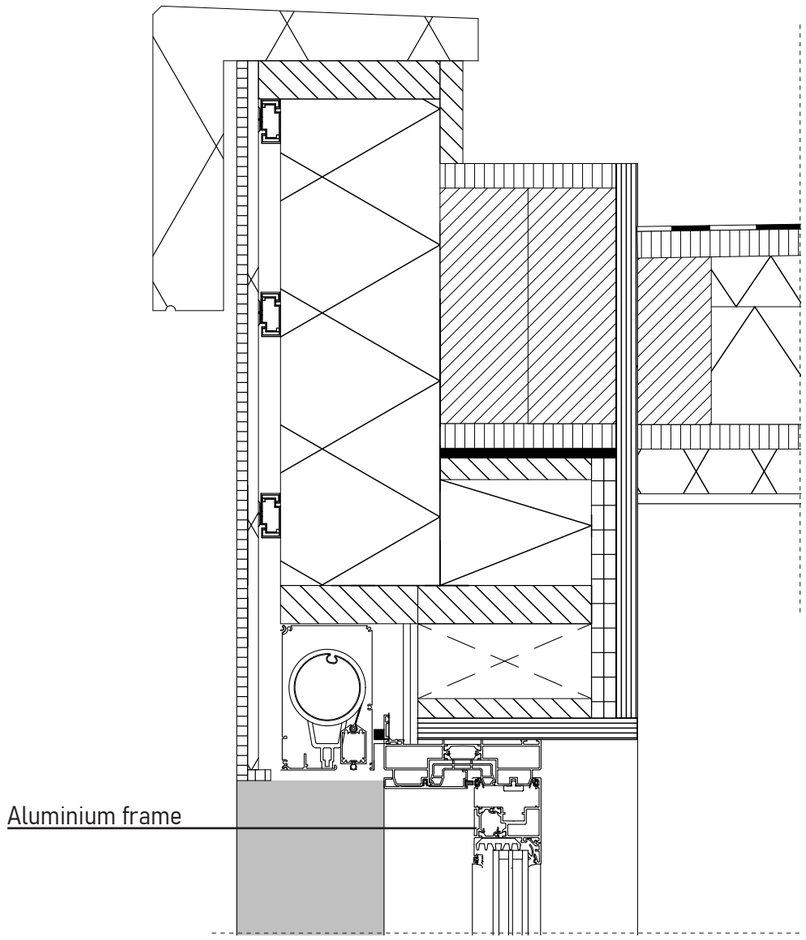
INSIDE

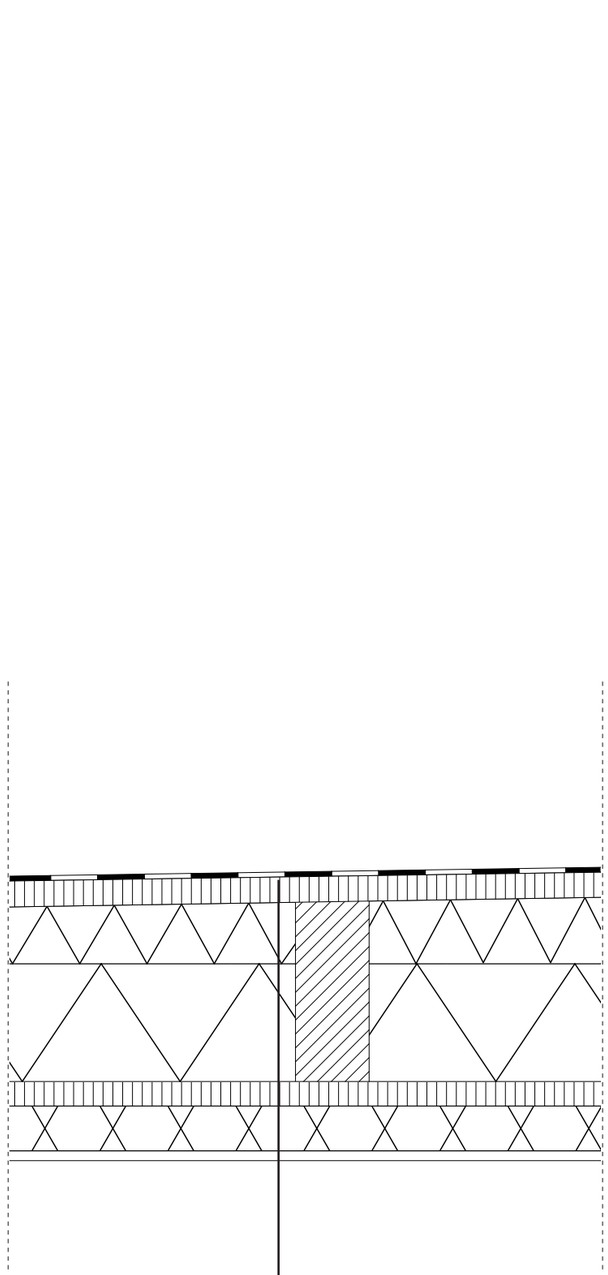
Aluminium frame

Steenstrip

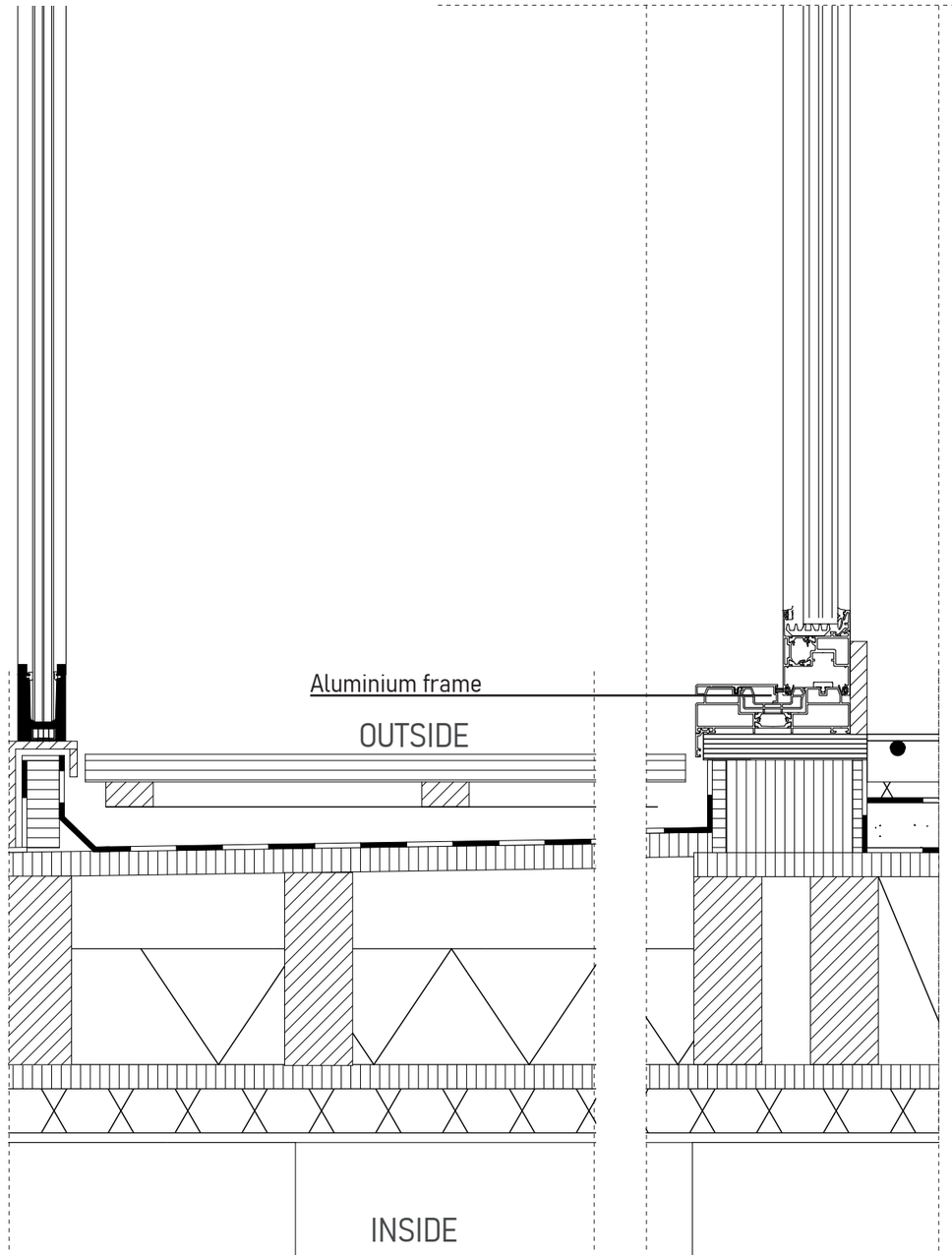
Floor construction
- Floor finish 20mm
- Sand cement screed with unerfloor heating/ cooling 50mm
- Sound insulation 20mm
- Kerto ripa floor 290mm
- Double plasterboard

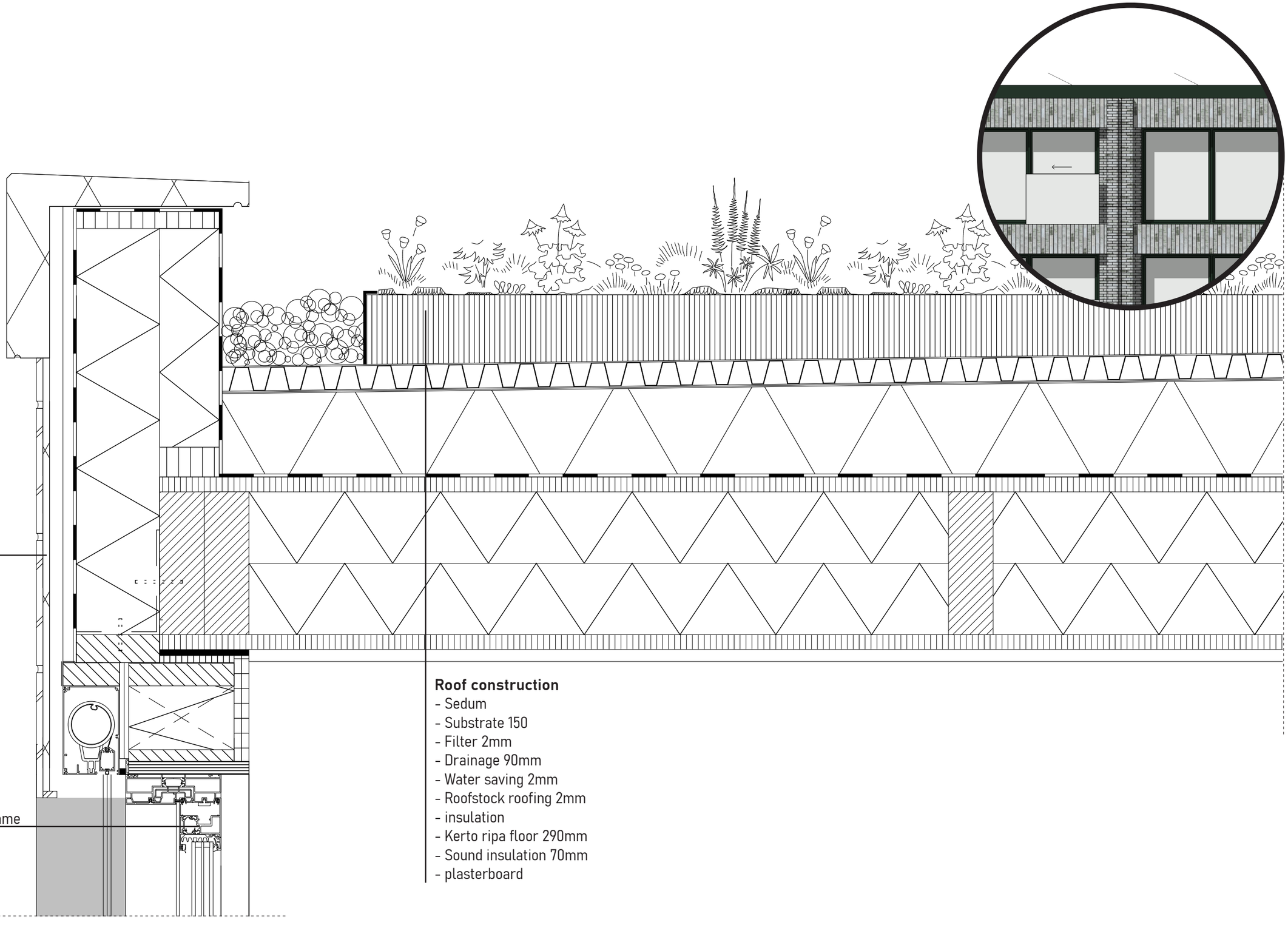




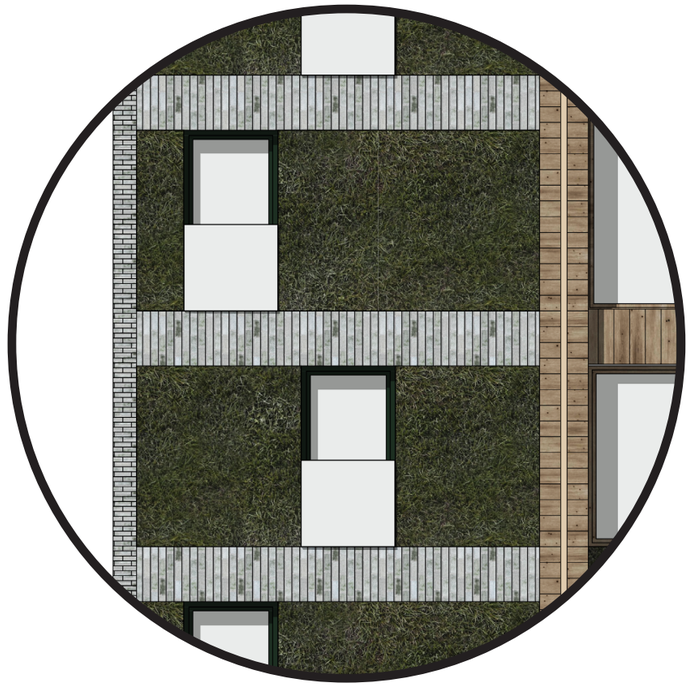


Roof construction
- bitumen 2mm
- insulation
- Kerto ripa floor 290mm
- Sound insulation 70mm
- plasterboard

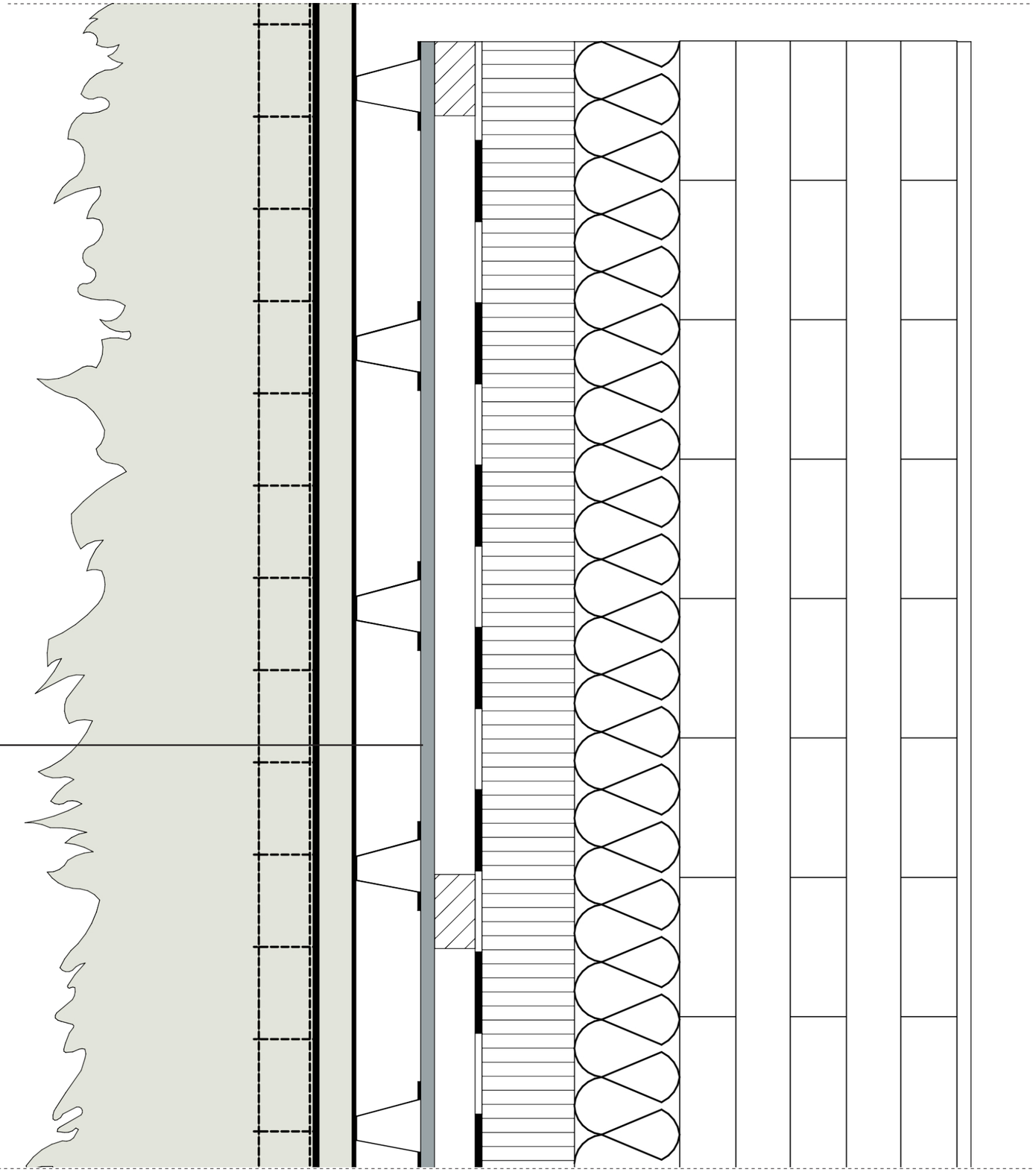




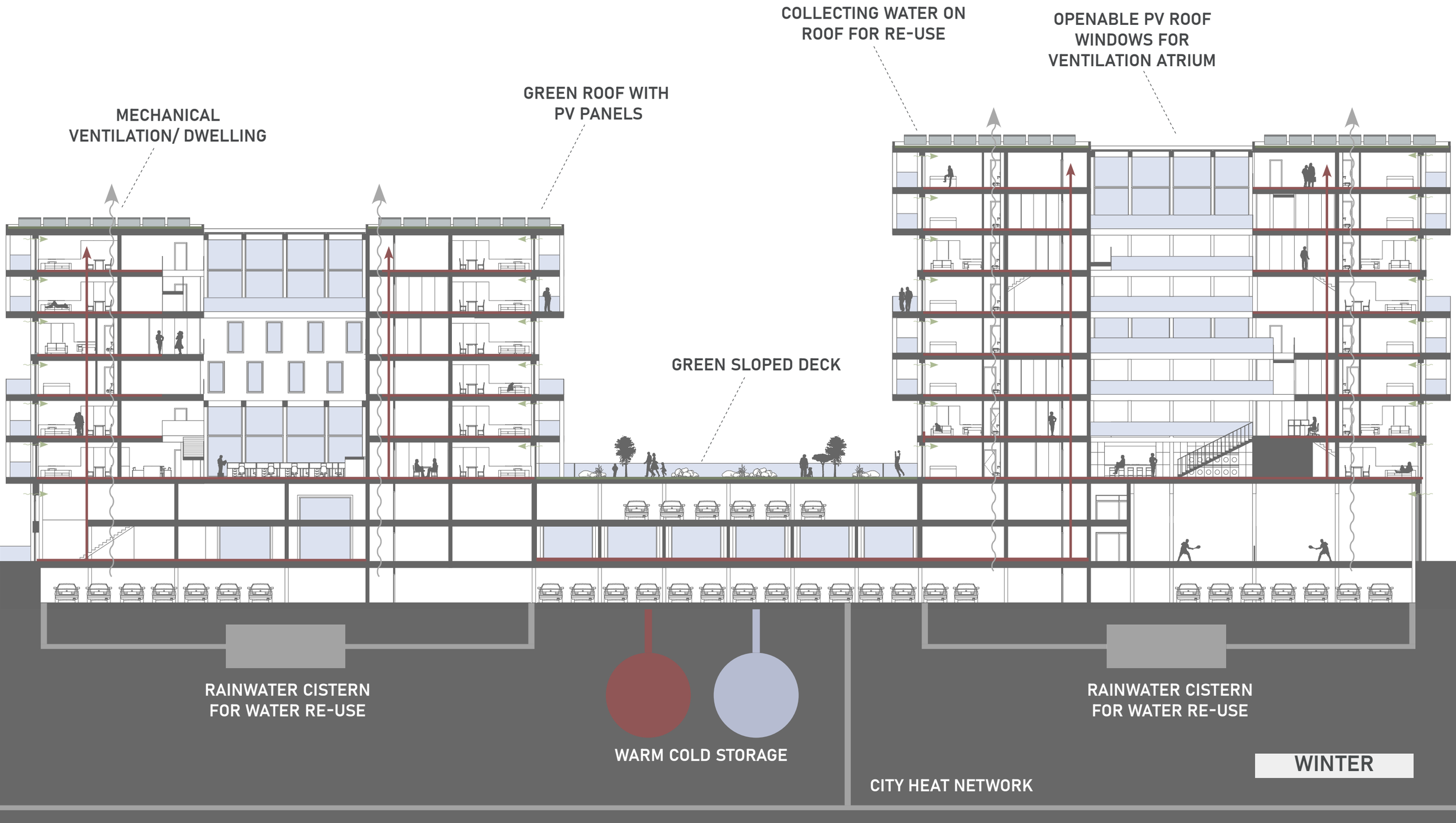
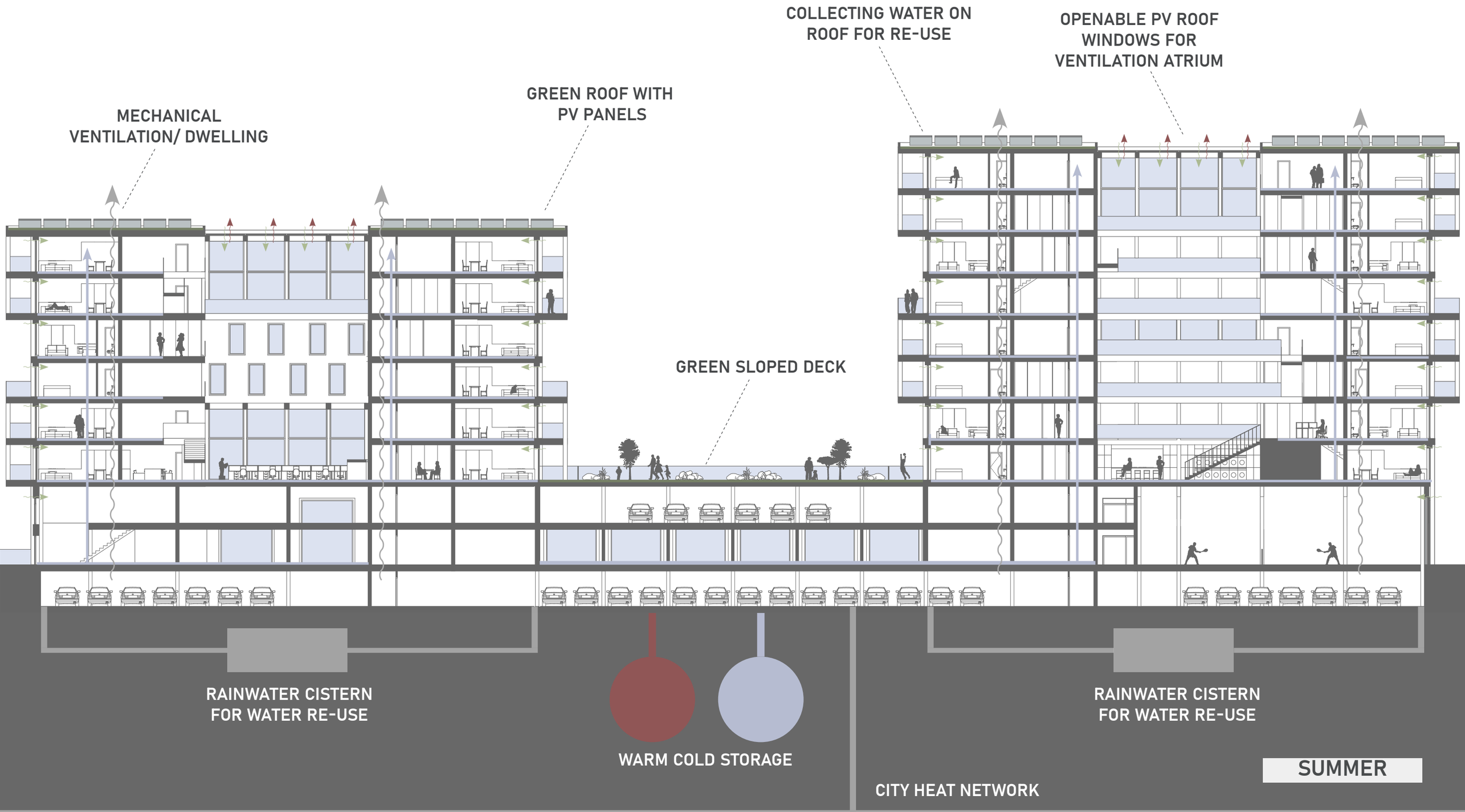
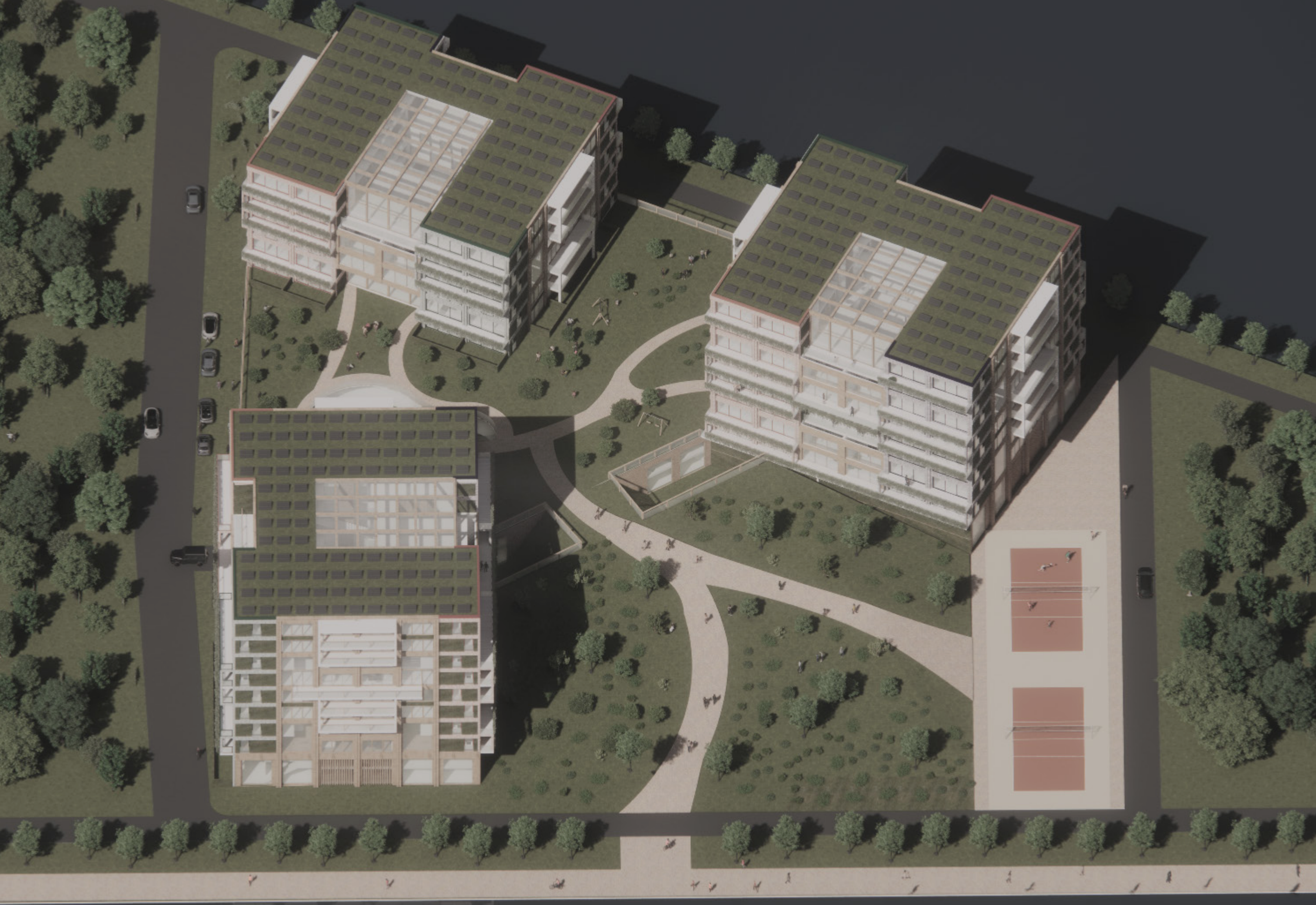
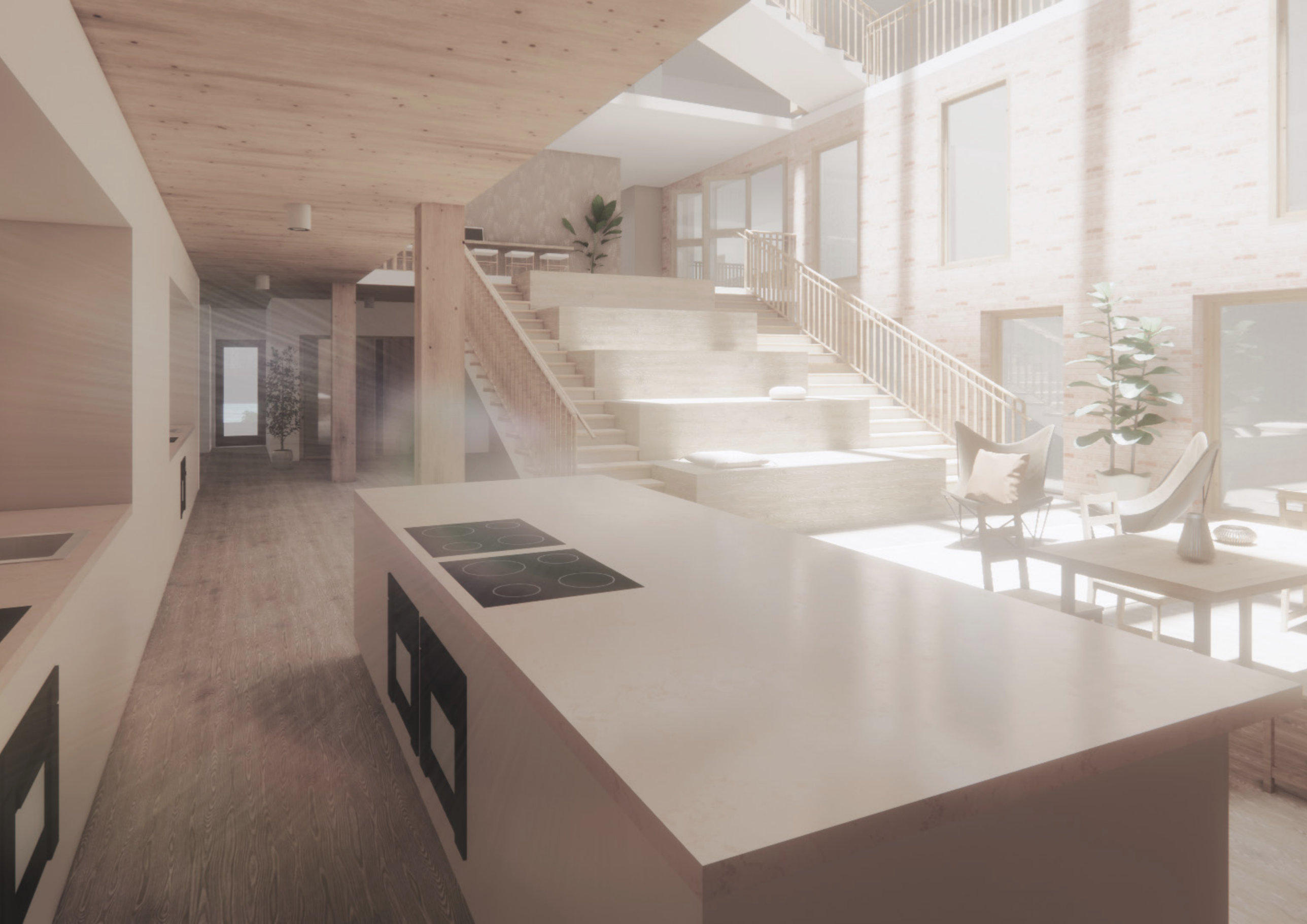
Roof construction
- Sedum
- Substrate 150
- Filter 2mm
- Drainage 90mm
- Water saving 2mm
- Roofstock roofing 2mm
- insulation
- Kerto ripa floor 290mm
- Sound insulation 70mm
- plasterboard



Greenwall
- Greenwall elements
- RVS construction
- Omega profile
- Cement facade plate



CLIMATE CONCEPT



CLIMATE CONCEPT