



## STEDELIJKHEID IN DE LUWTE

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P4 Presentation | Dwelling Graduation Studio: Dutch Housing | Roel Kusters | 4006178

# Jonge gezinnen willen Amsterdam niet meer uit



Archieffoto. © ANP



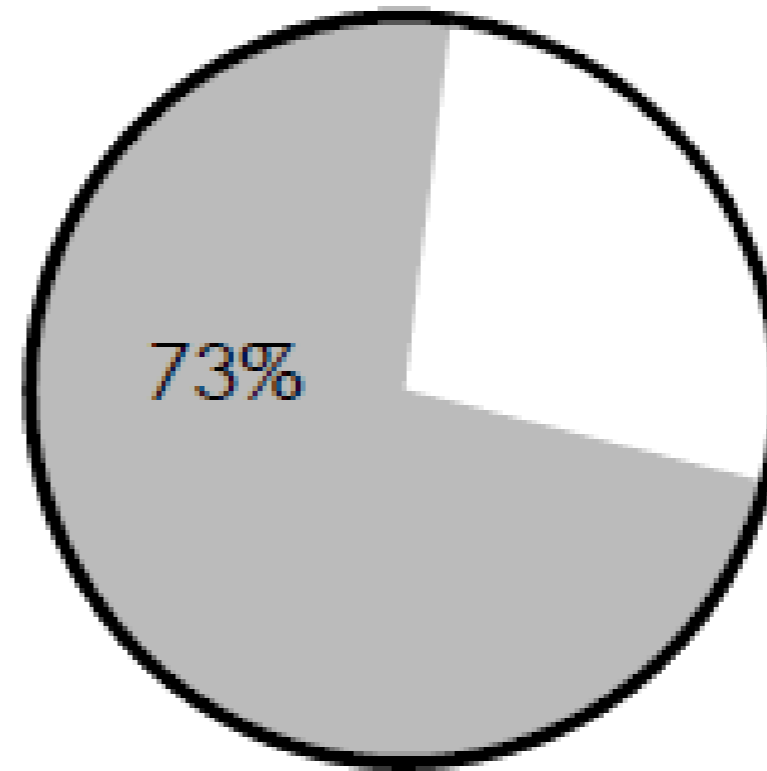
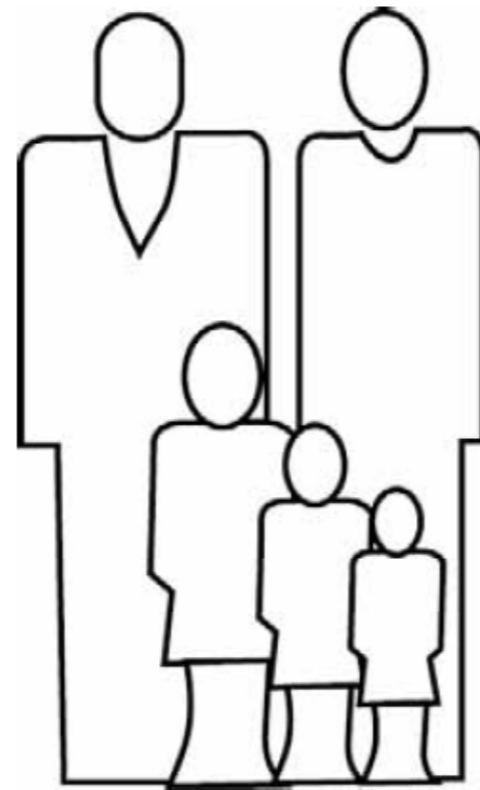
Amsterdam telt steeds meer kinderen. Gezinnen blijven in toenemende mate in de stad wonen. De groei is het sterkst in de stadsdelen Oost, Centrum en Zuid.

DOOR: MARC KRUYSWIJK 2 FEBRUARI 2013, 09:29 - BRON: HET PAROOL

# PROBLEM STATEMENT

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73% of families in Amsterdam is unhappy with their living situation and has a desire to move



## ISSUES

### **Living environment**

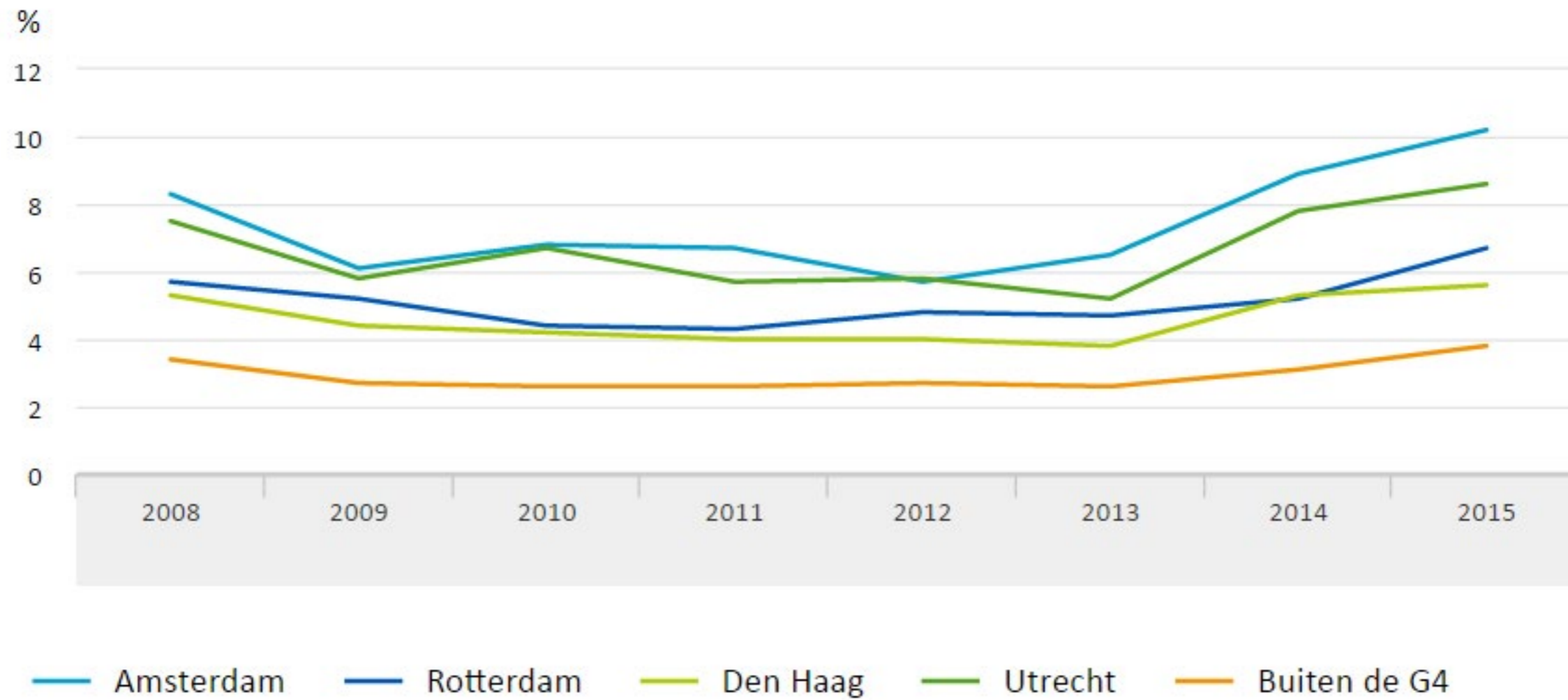
- Unsafety
- Traffic annoyance

### **Housing**

- Too small houses
- No or limited outdoor space
- High costs

# PROBLEM STATEMENT

Migration of young families from the 4 biggest cities to other municipalities



## WHY IS THAT A PROBLEM?

- Influence on the city economy
- Impoverishment of the city population
  - Social networks
  - Safety of the city

# TARGET GROUP



## YUPPS

- Dual-earner families
- Highly educated
- High income
- Busy social life
- Preference for an urban lifestyle

### WHY DO THEY CHOOSE TO LIVE IN THE CITY?

- Near presence of work and education
  - Social connections
  - Wide range of amenities
  - Cultural climate
- Beneficial for development of children



## LIVING REQUIREMENTS: NEIGHBORHOOD

### **Sheltered urbanity**

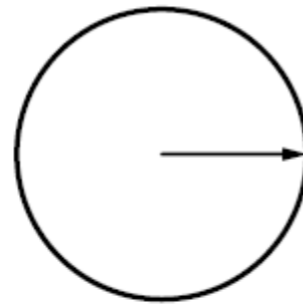
- More families with children
- Accessible amenities for children
- Outdoor space where children can play
  - Absence of fast traffic

# TARGET GROUP

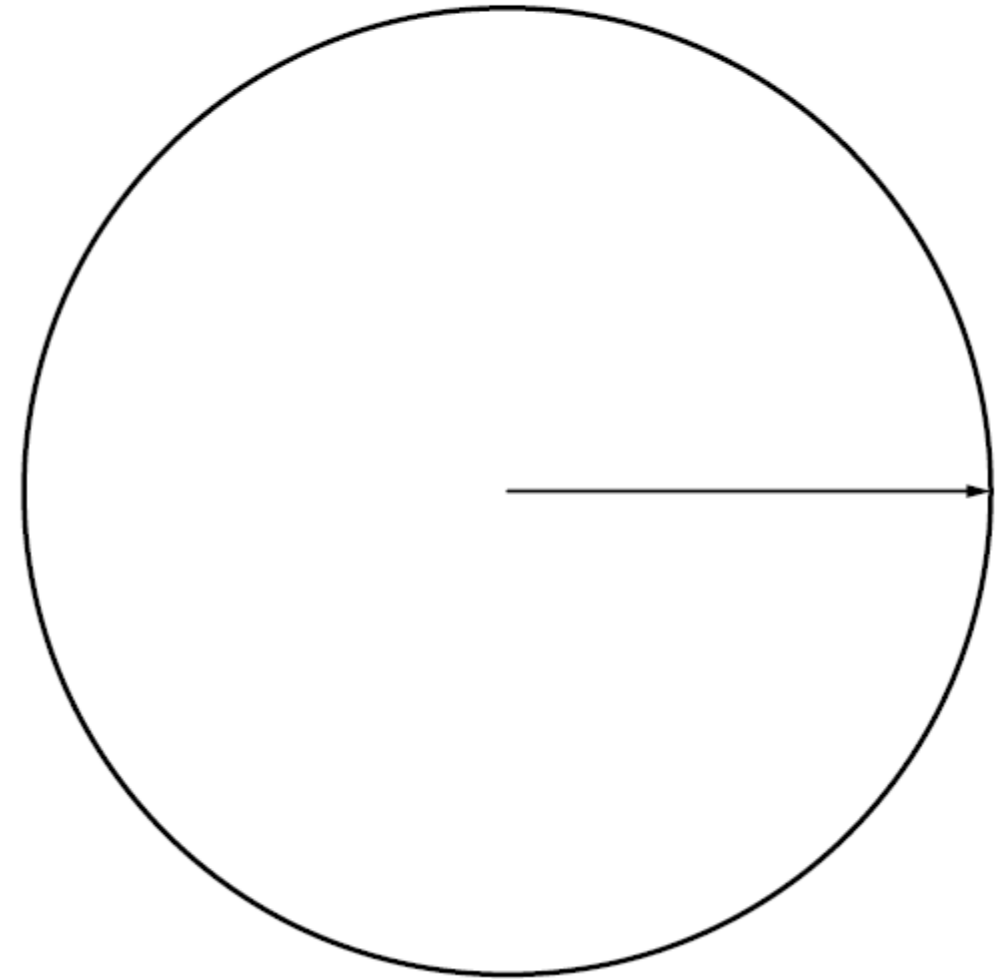
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30 m | 0-4 years



150 m | 4-8 years



500 m | 8-12 years

### LIVING REQUIREMENTS: APARTMENT

- Ability to adapt to changing family configurations
- Ability to unite different (conflicting) activities
- Good access to collective outdoor space

Design a living environment that provides **space and shelter** for children to safely explore their own environment, with a housing block that facilitates children to independently **increase their action range** when they grow up, containing a variety of 70 apartments which

- are able to adapt to changing family configurations
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## **Research question**

How can the urban fabric provide space and shelter for children to safely explore their own environment?

# RESEARCH

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## CASE STUDIES



Fromaweg, Wirdum



Lisztstraat, Delft



Watergraafsmeer, Amsterdam



Zeeburg, Amsterdam

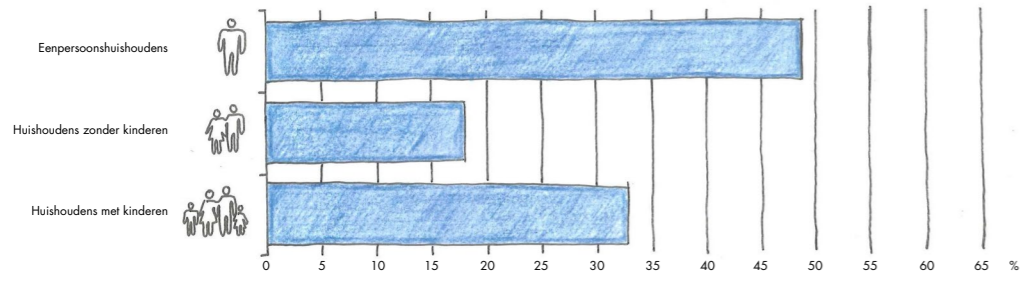


GWL-terrein, Amsterdam

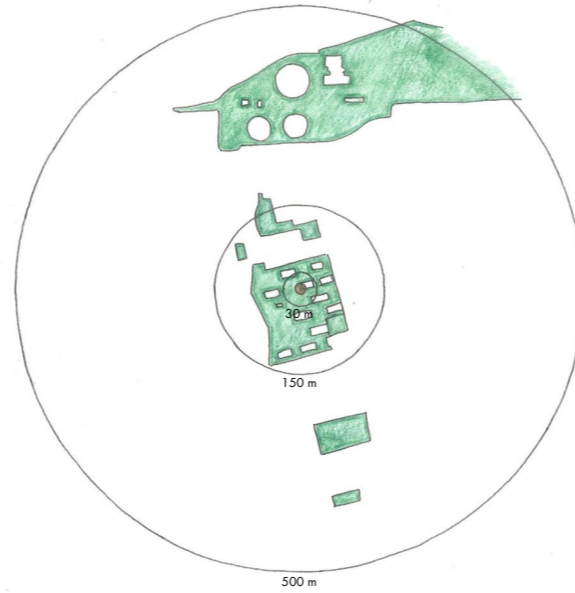


Appeltjesmarkt, Amsterdam

# RESEARCH



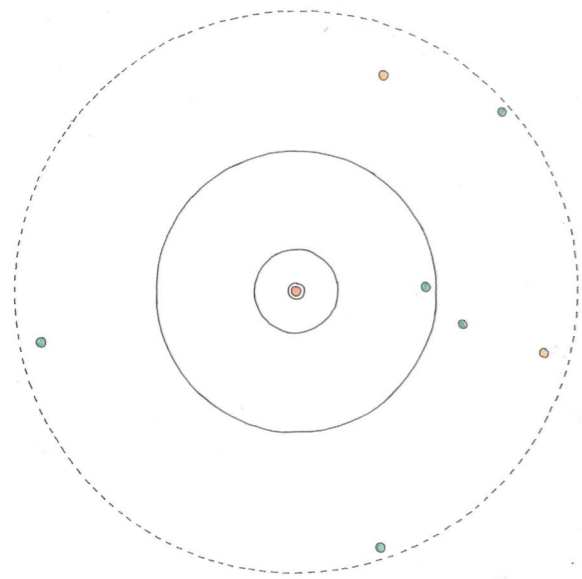
Presence of other families



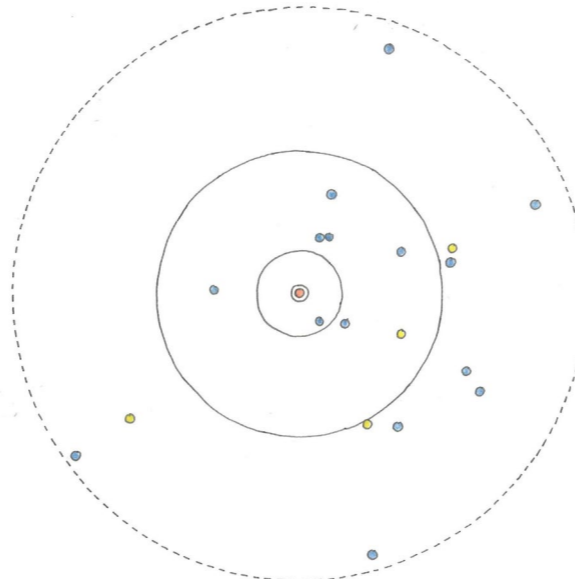
Public outdoor space



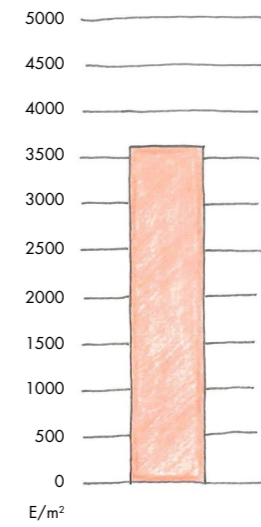
Road safety



Amenities

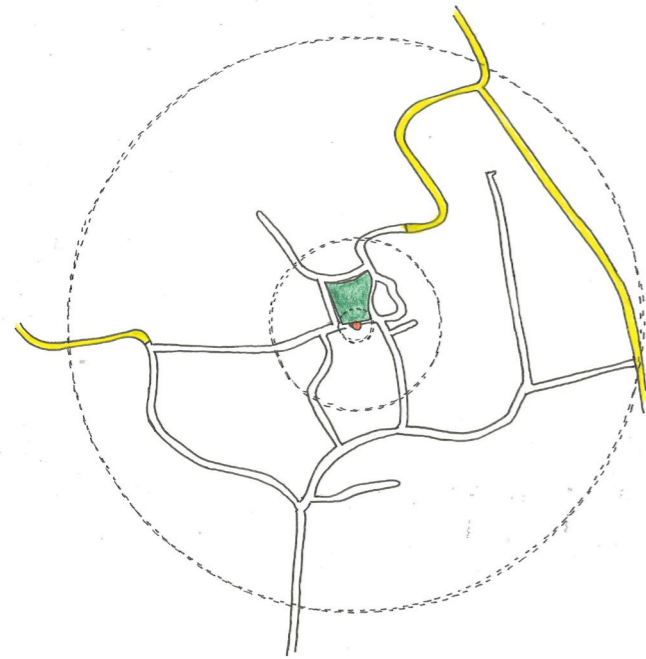


Amenities for children



Housing prices





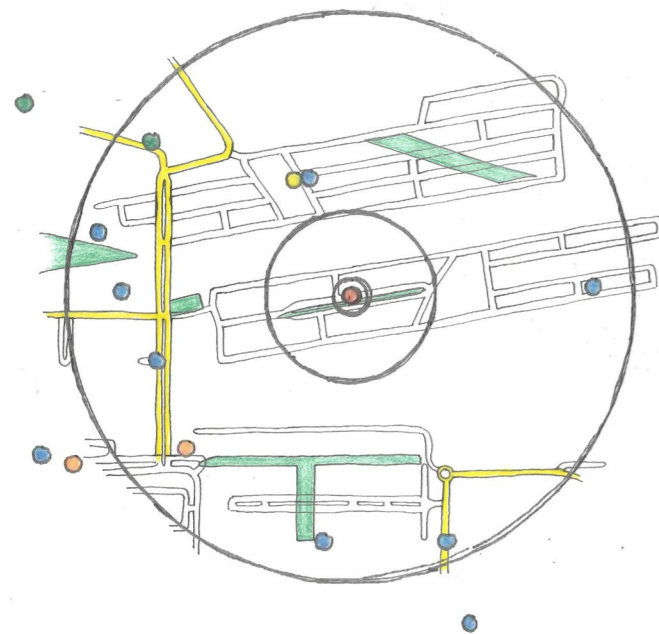
Fromaweg, Wirdum



Lisztstraat, Delft



Watergraafsmeer, Amsterdam



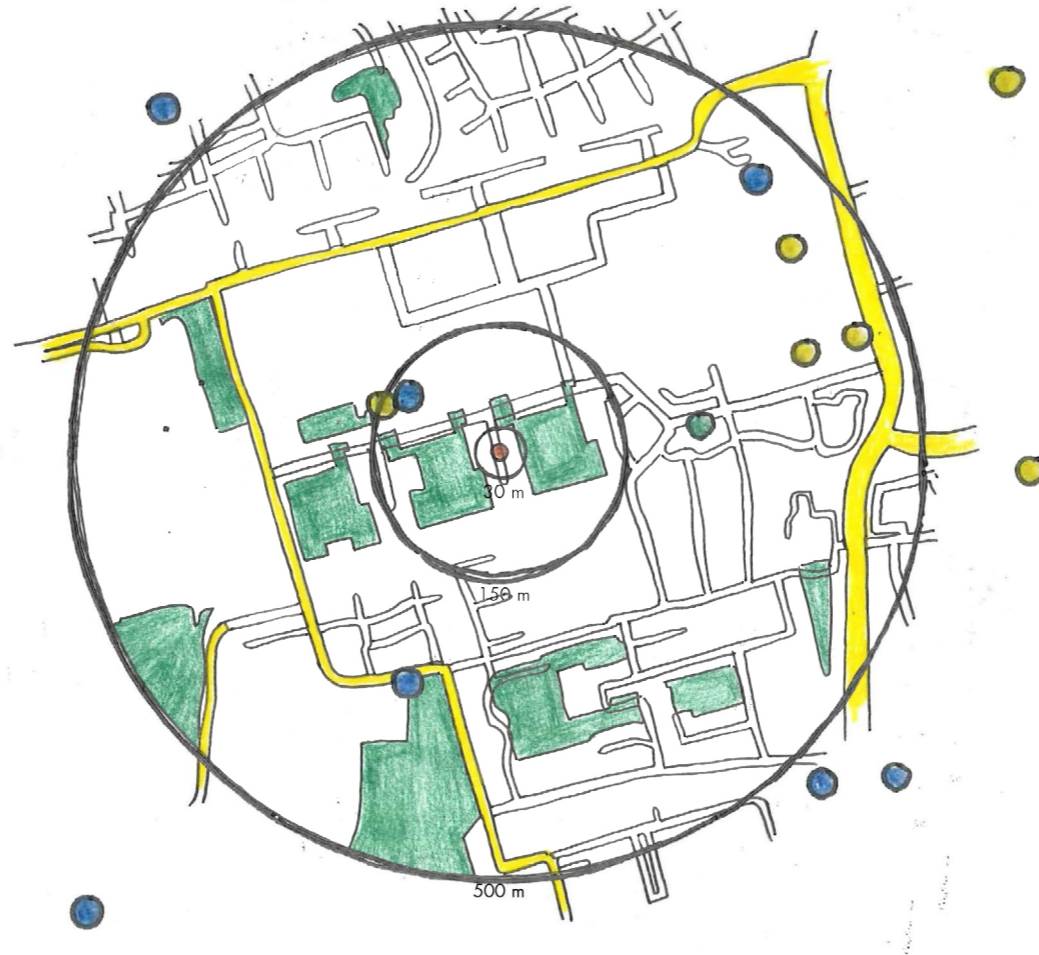
Zeeburg, Amsterdam

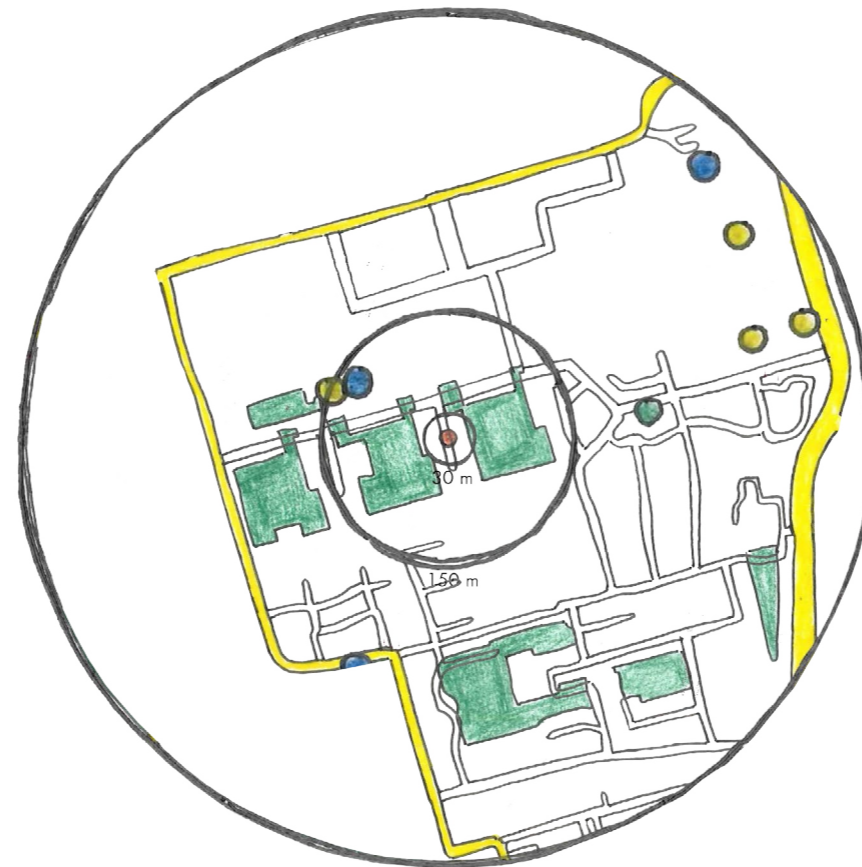


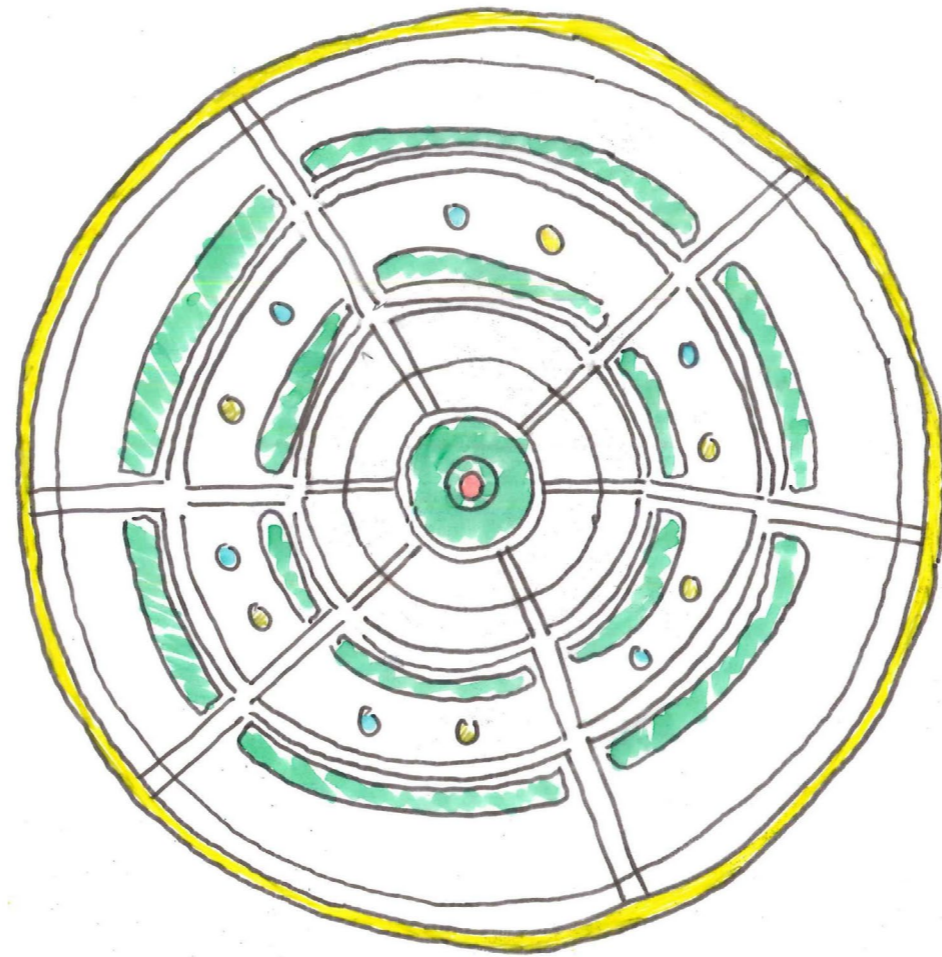
GWL-terrein, Amsterdam



Appeltjesmarkt, Amsterdam

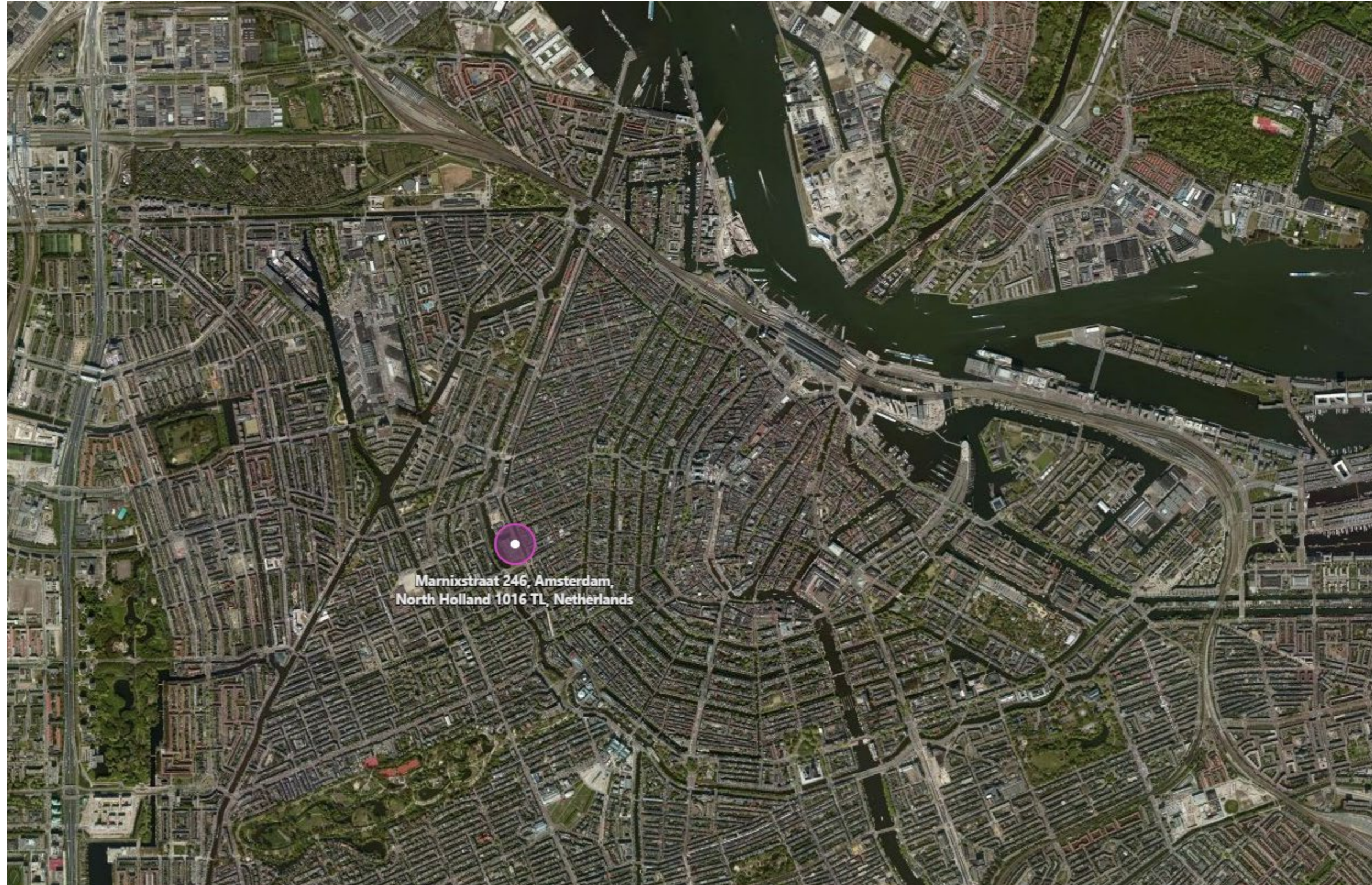






# LOCATION

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Capacity: 700 parking places

25%-30% structural vacancy

--> 2 floors

--> 6.250 m<sup>2</sup> BVO

# LOCATION

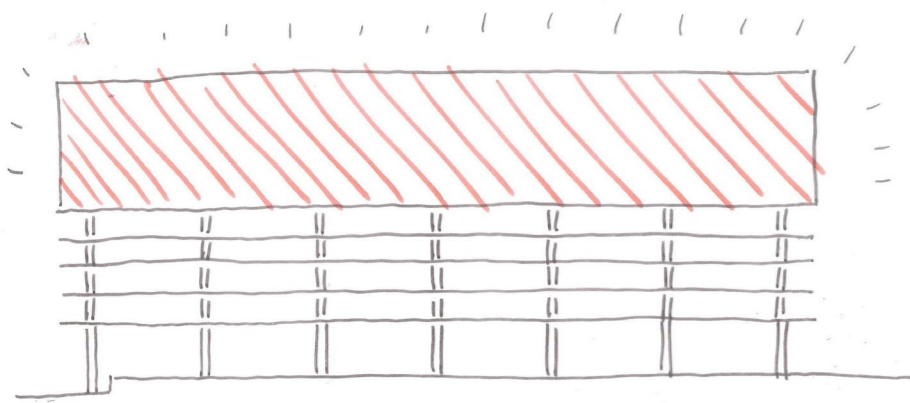
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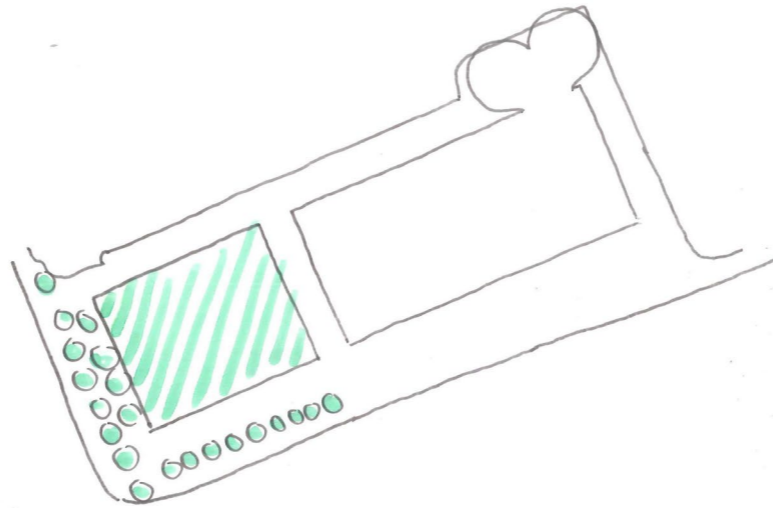


# STARTING POINTS

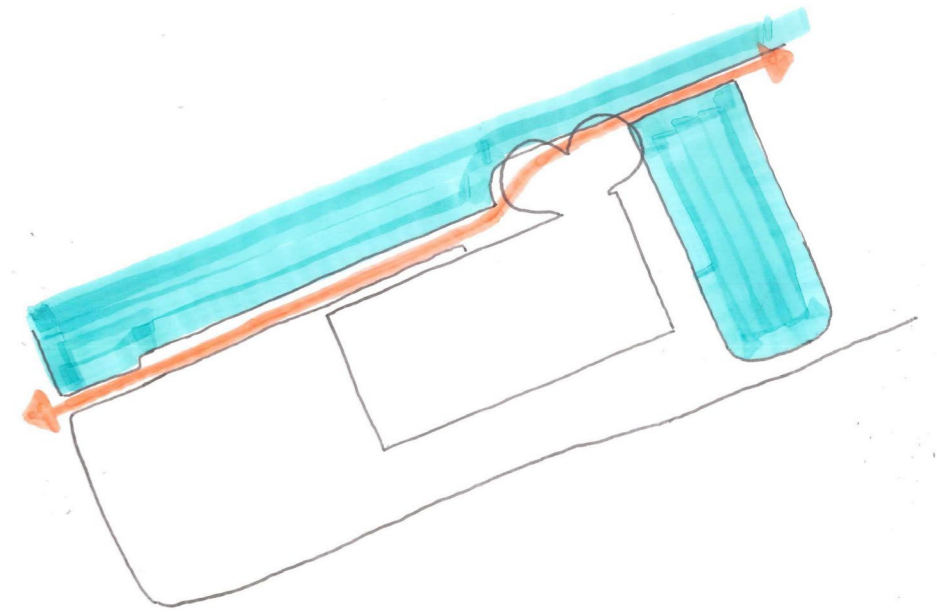
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Top-up existing parking garage

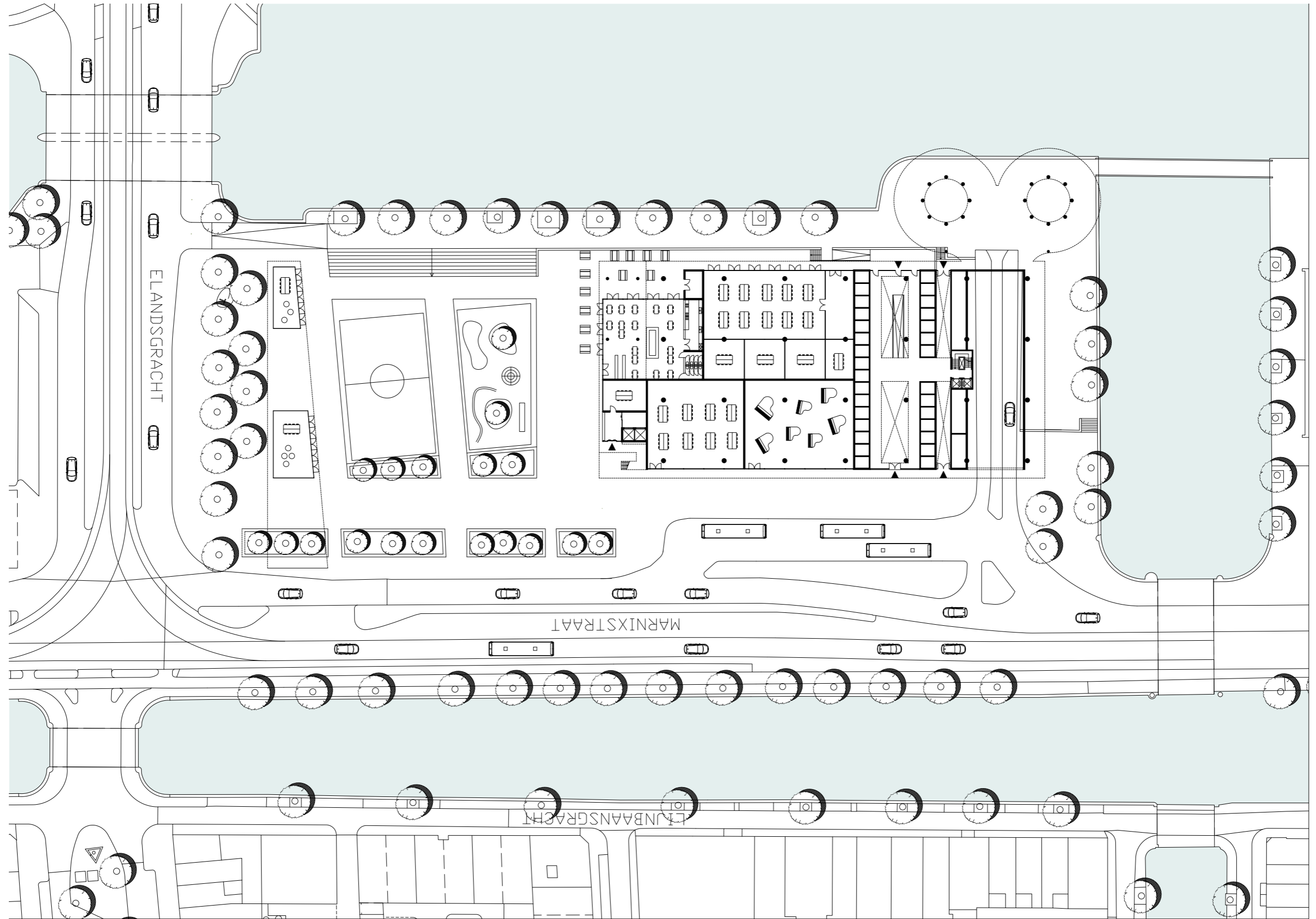


Create sheltered square

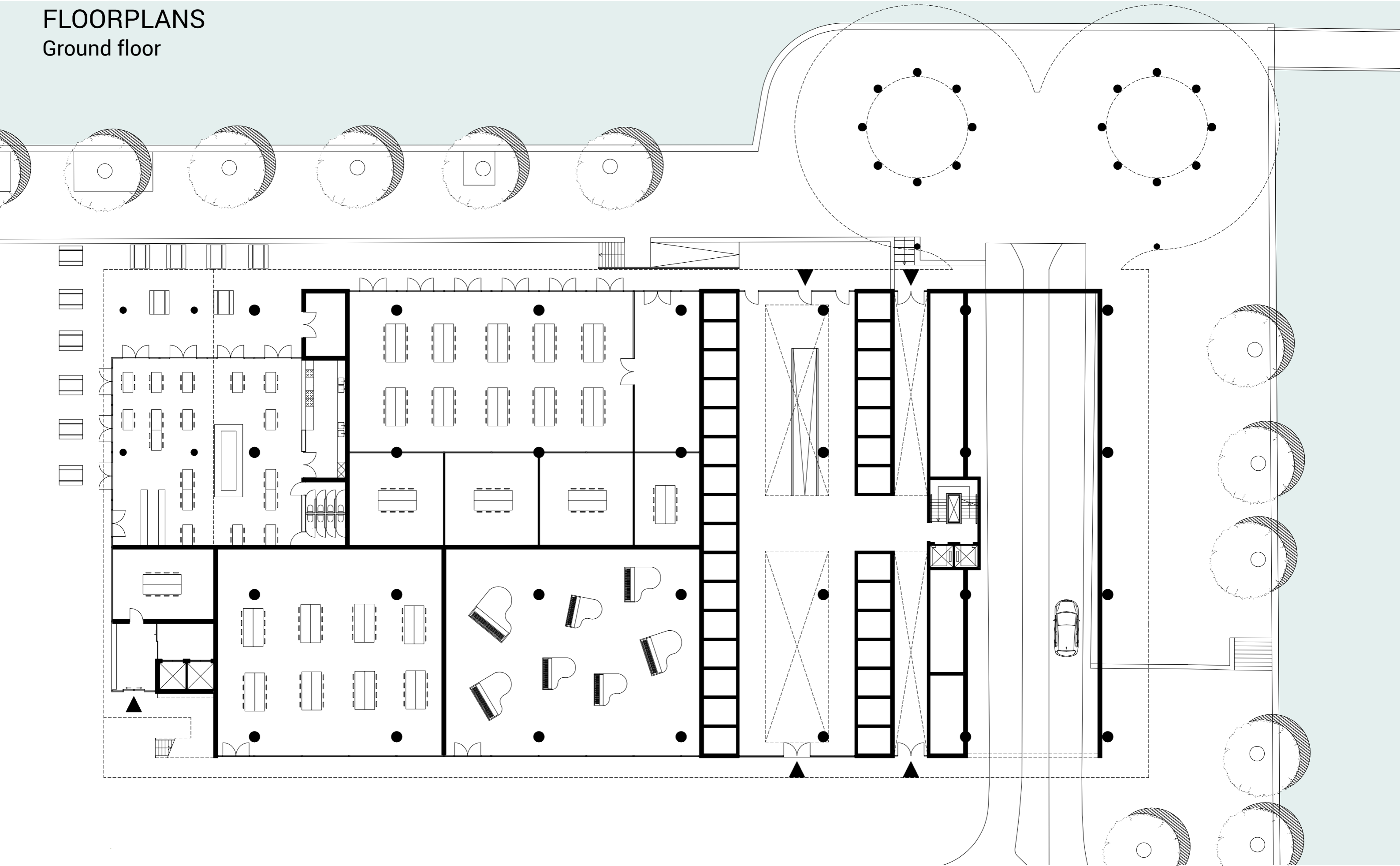


Make secondary pedestrian route

# SITUATION

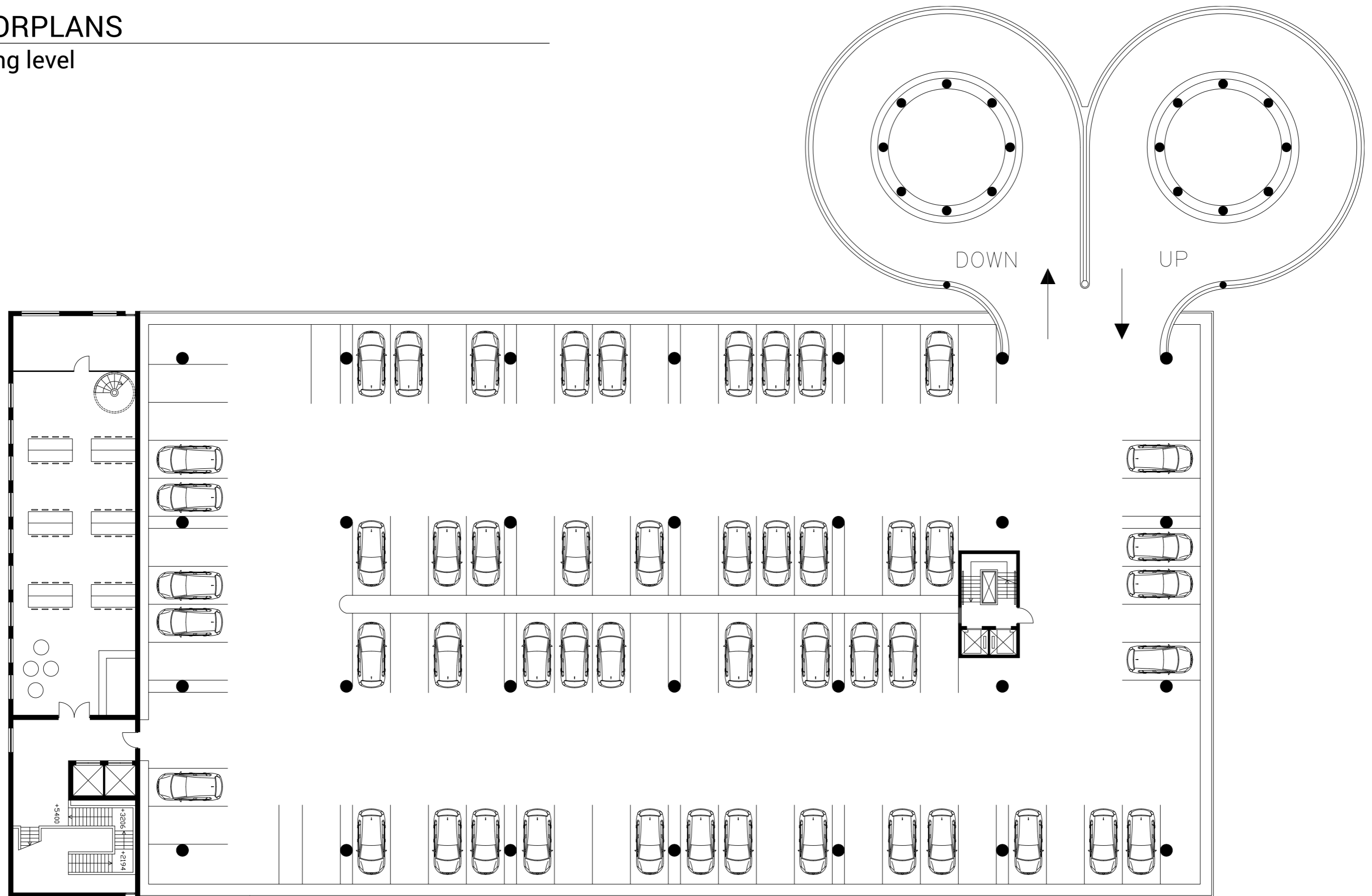


FLOORPLANS  
Ground floor



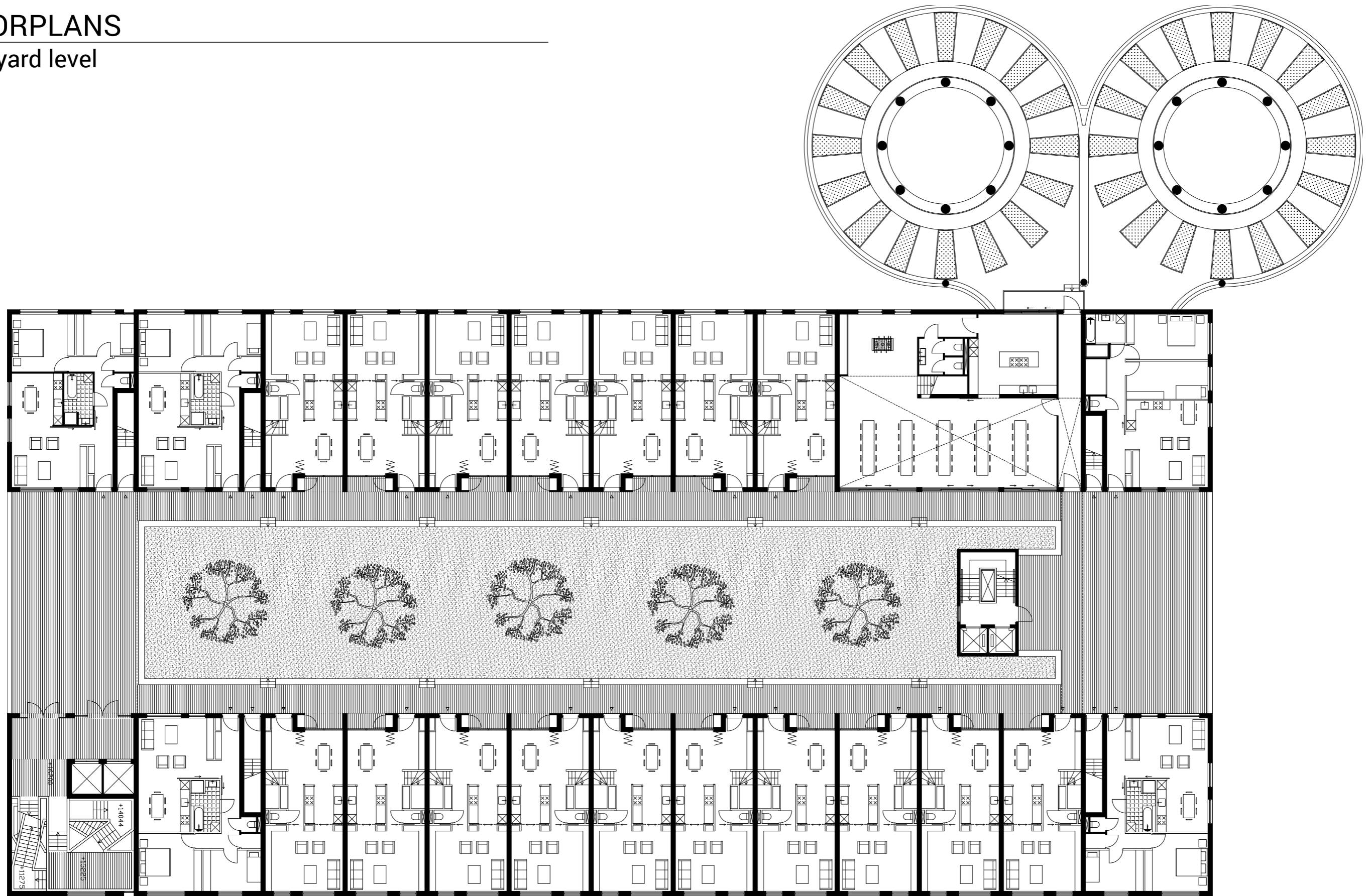
# FLOORPLANS

## Parking level



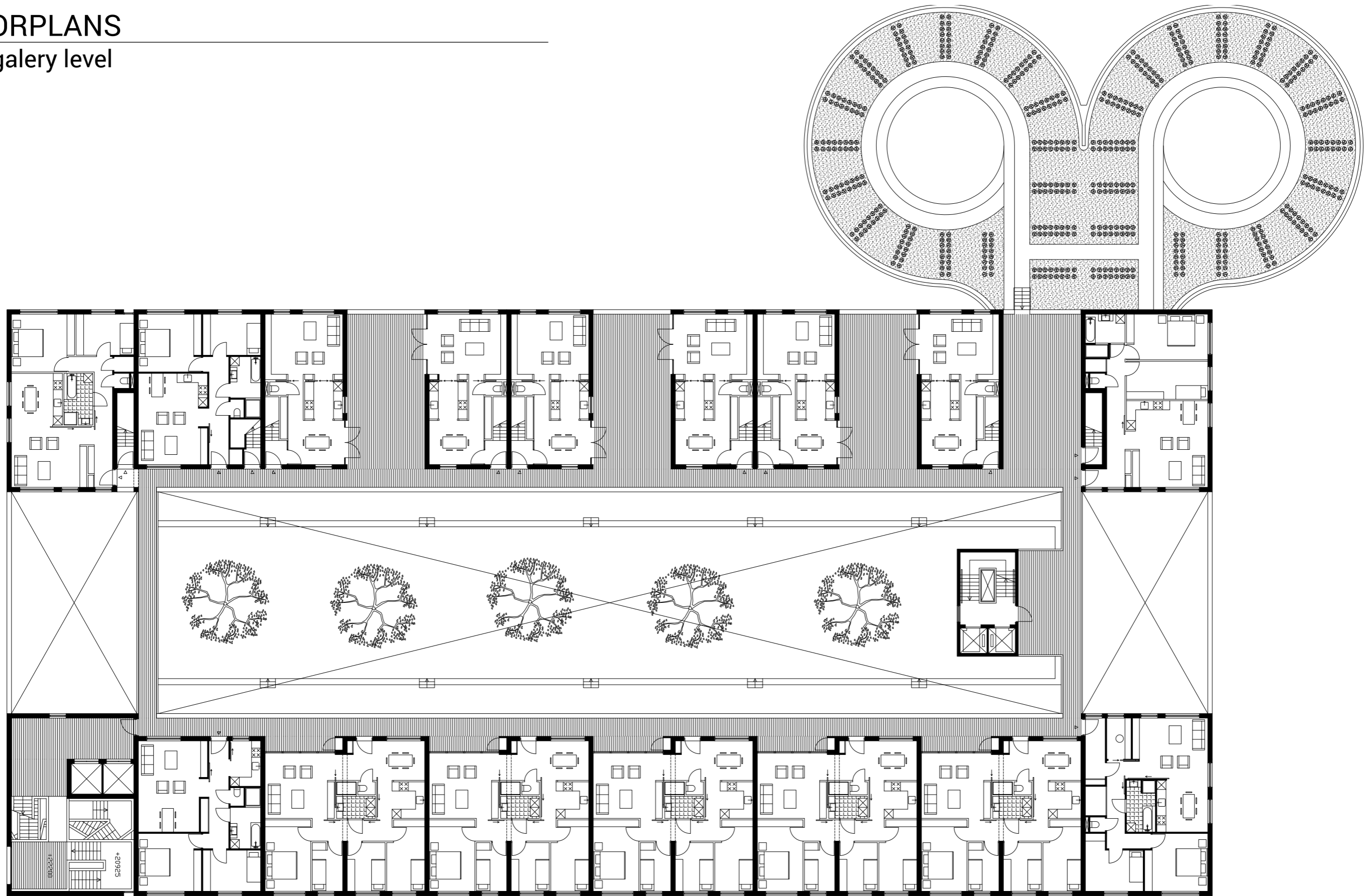
# FLOORPLANS

## Courtyard level



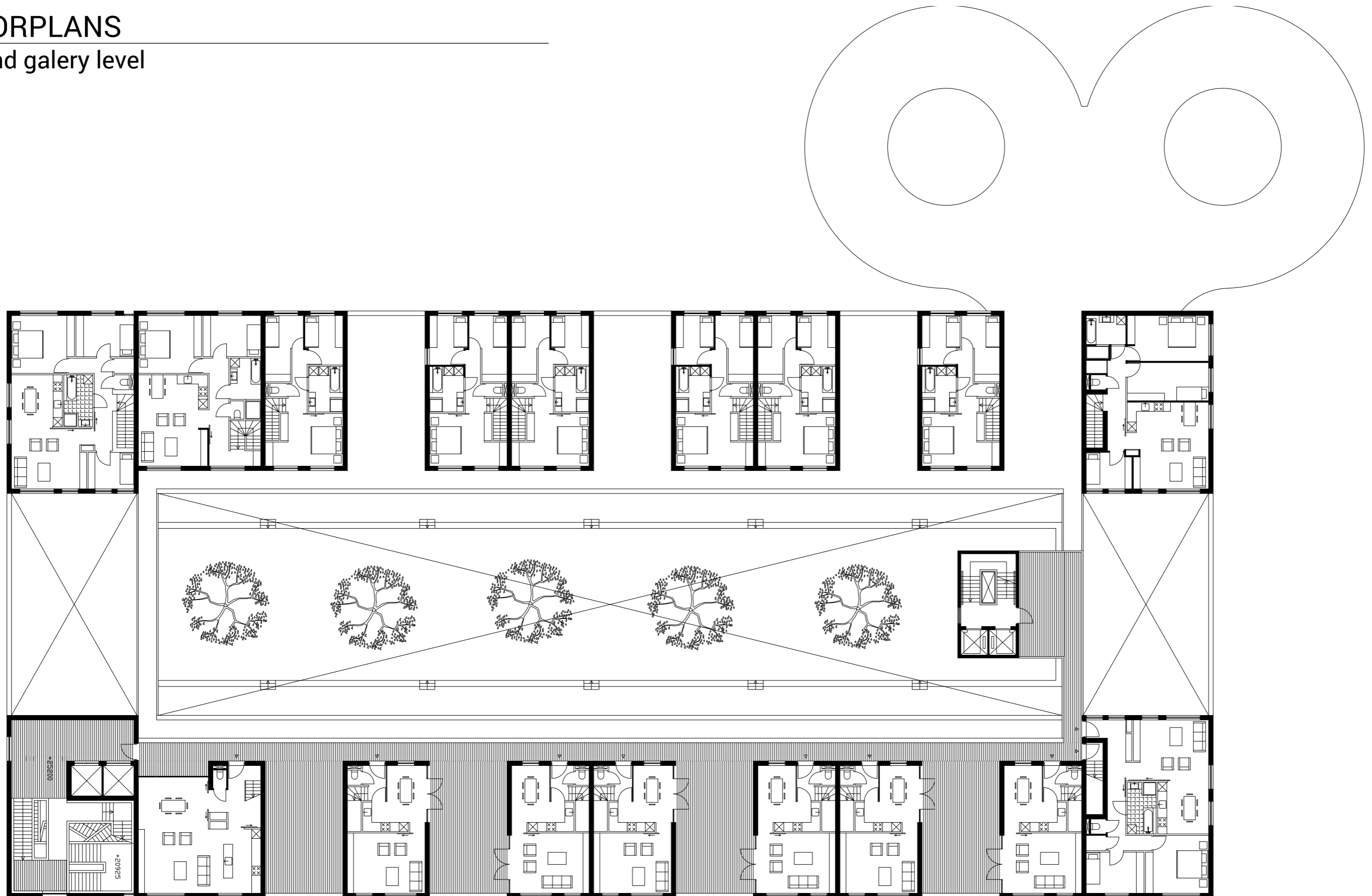
# FLOORPLANS

First gallery level



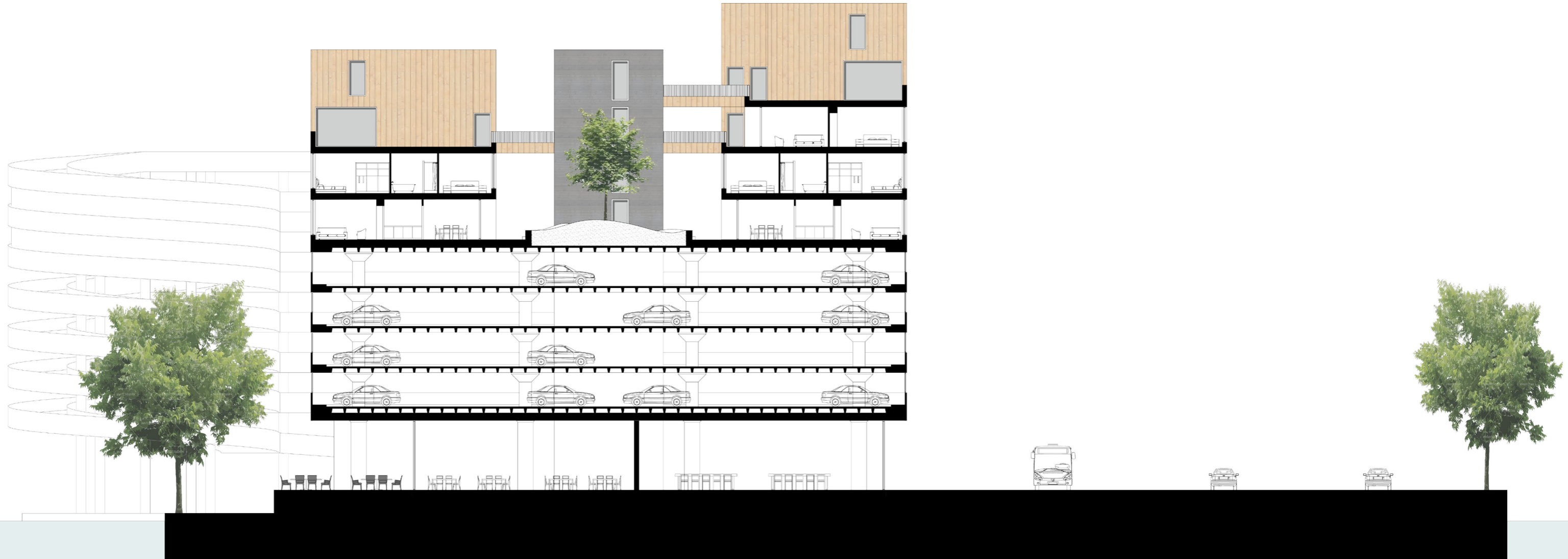
# FLOORPLANS

Second gallery level



# SECTIONS

## Cross section





# SECTIONS

## Longitudinal section



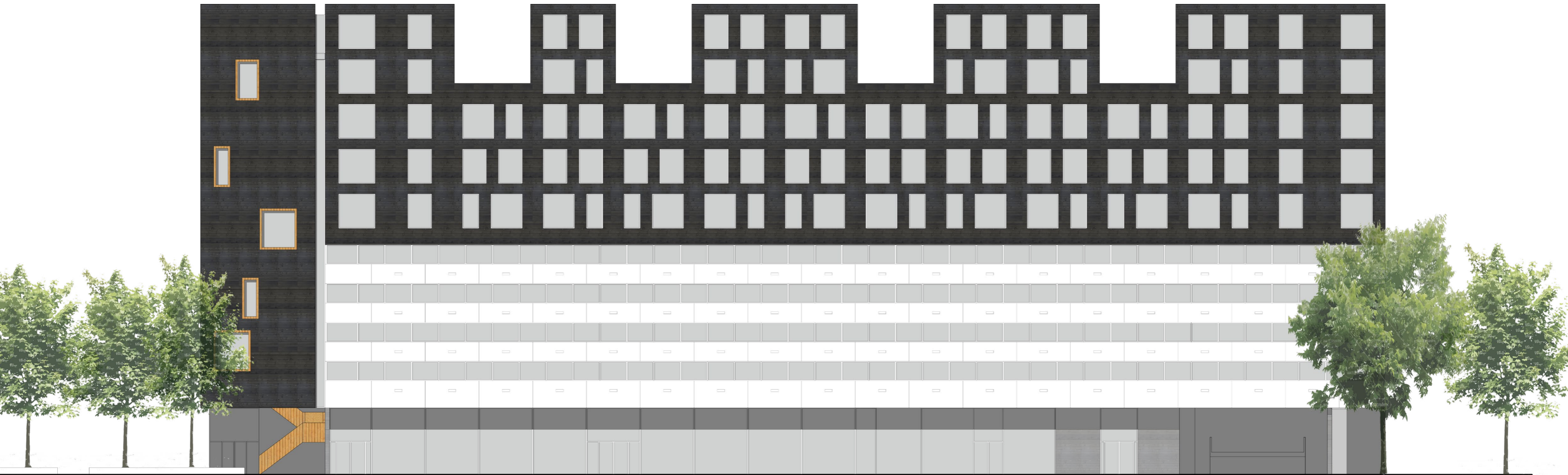
# ELEVATIONS

## South facade



# ELEVATIONS

## East facade

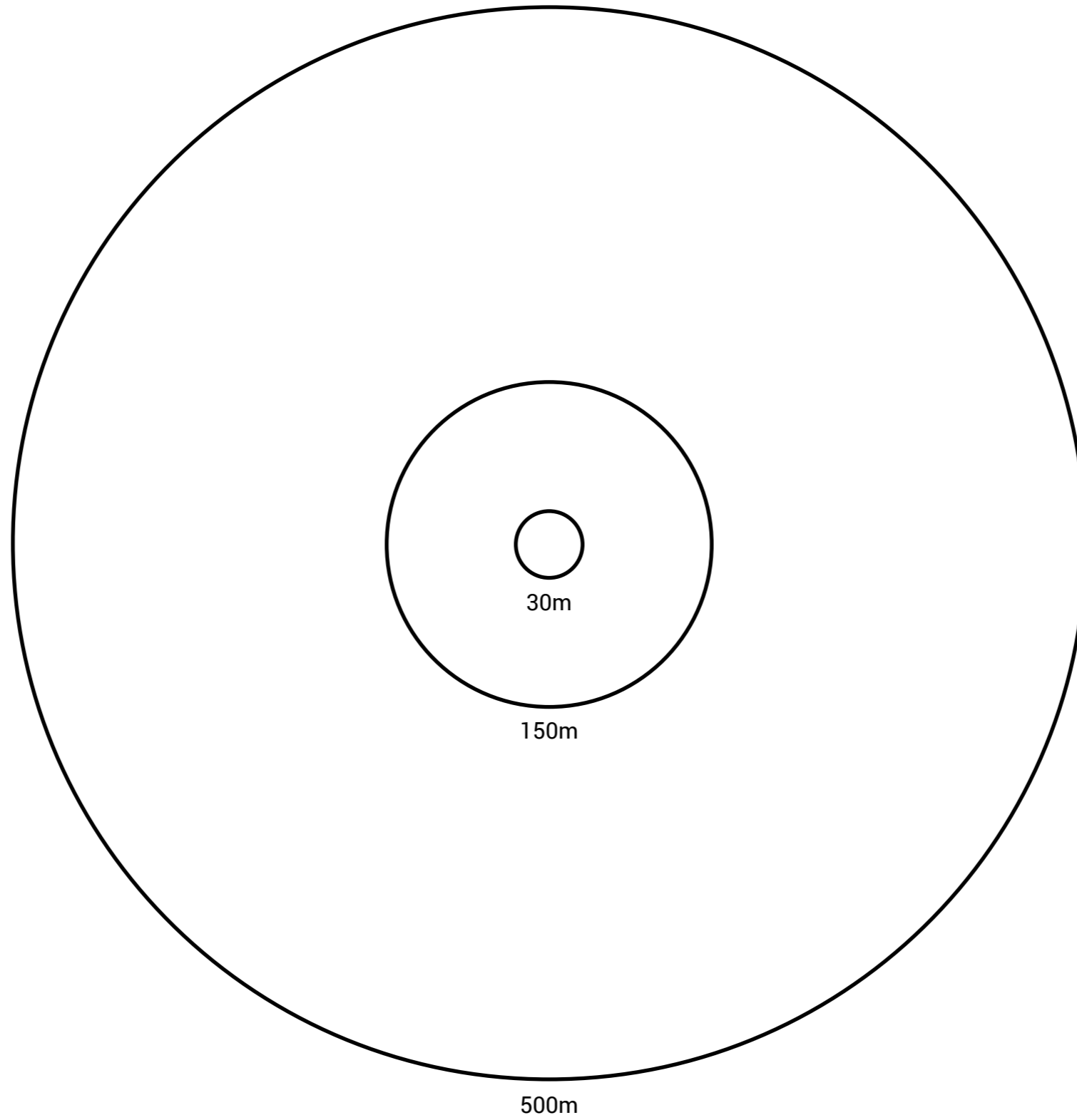


Design a living environment that provides **space and shelter** for children to safely explore their own environment, with a housing block that facilitates children to independently **increase their action range** when they grow up, containing a variety of 70 apartments which

- are able to adapt to changing family configurations
- are able to unite different (conflicting) activities
- have good access to collective outdoor space

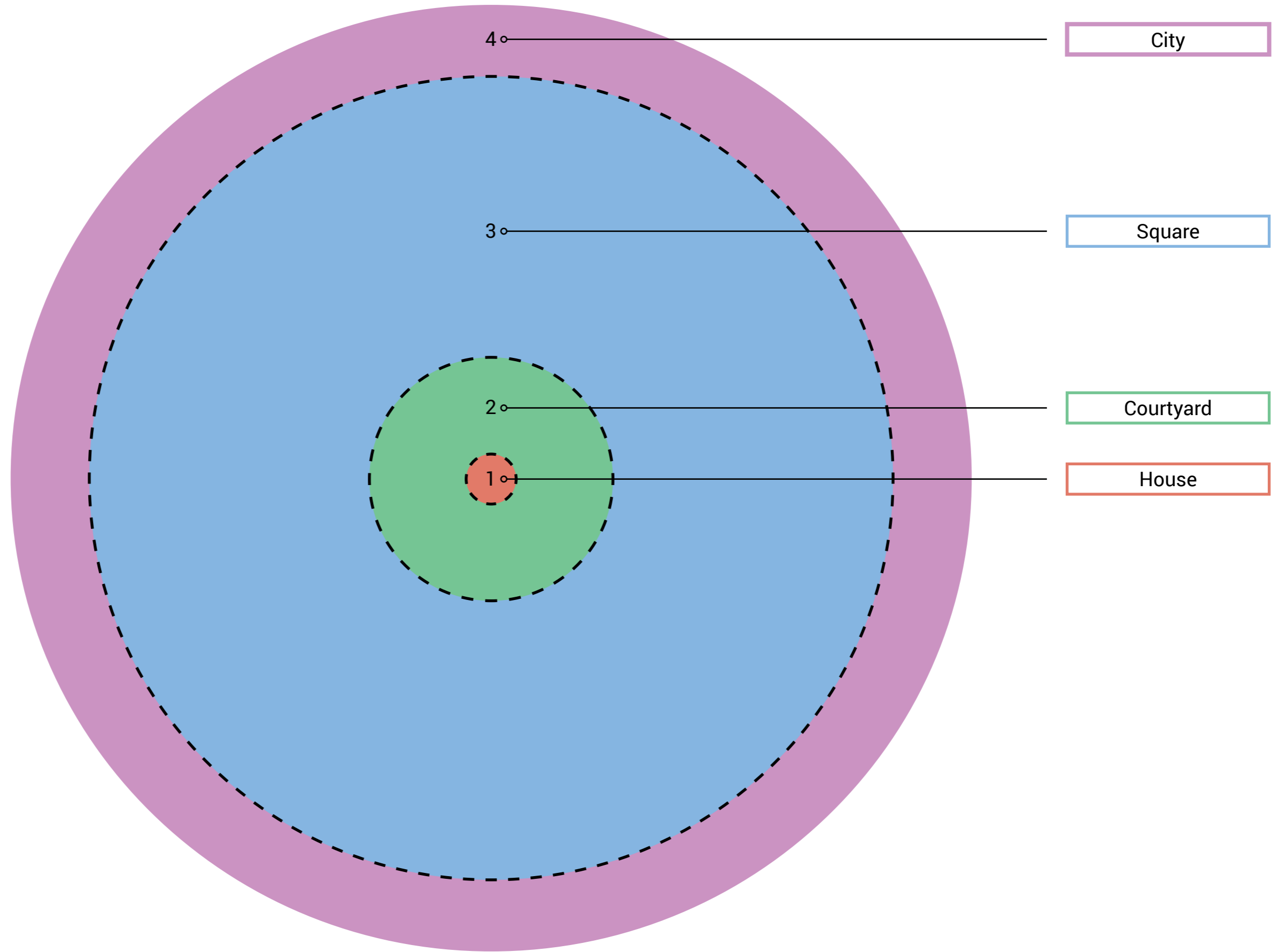
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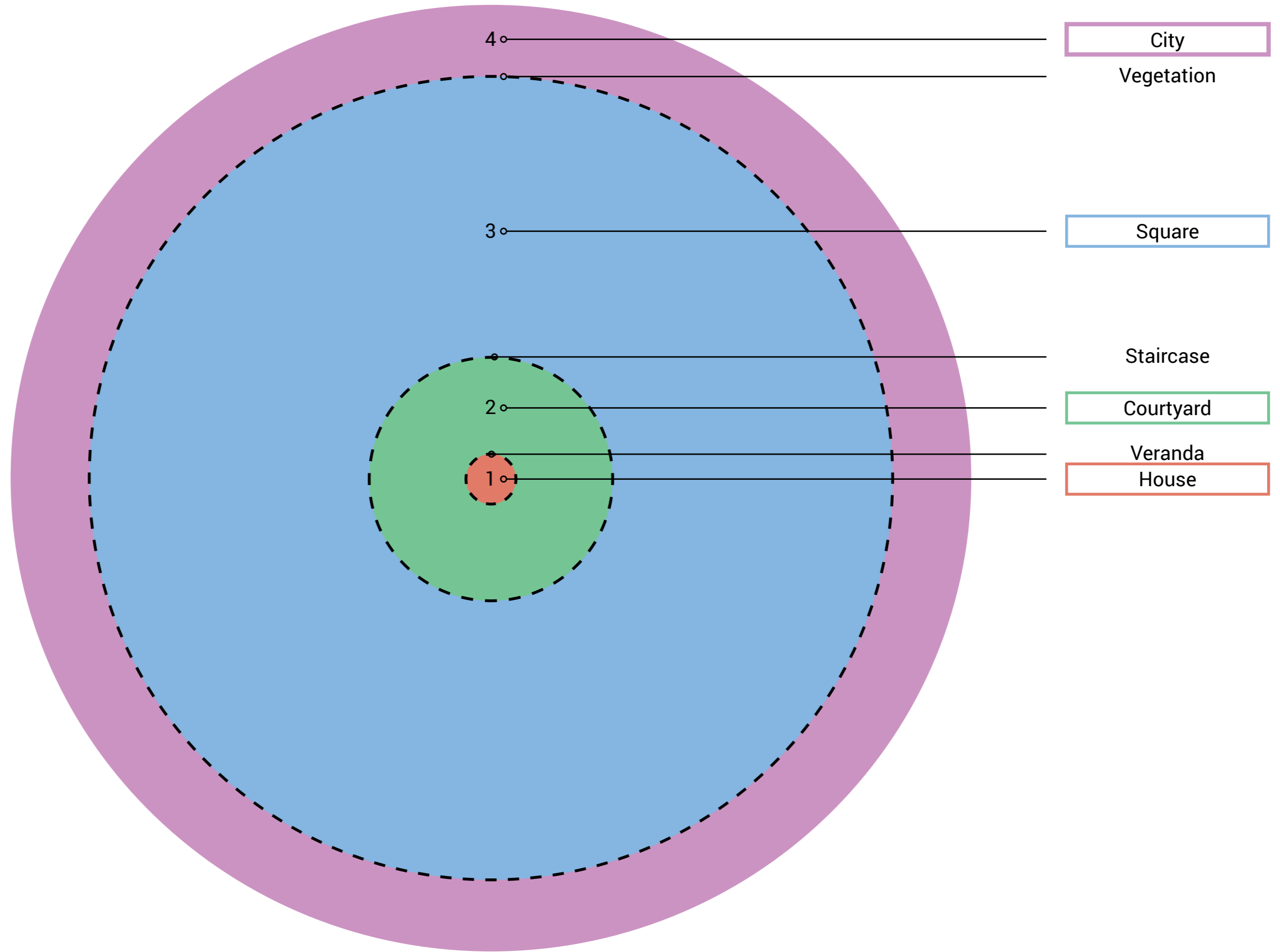
# ASSESSMENT

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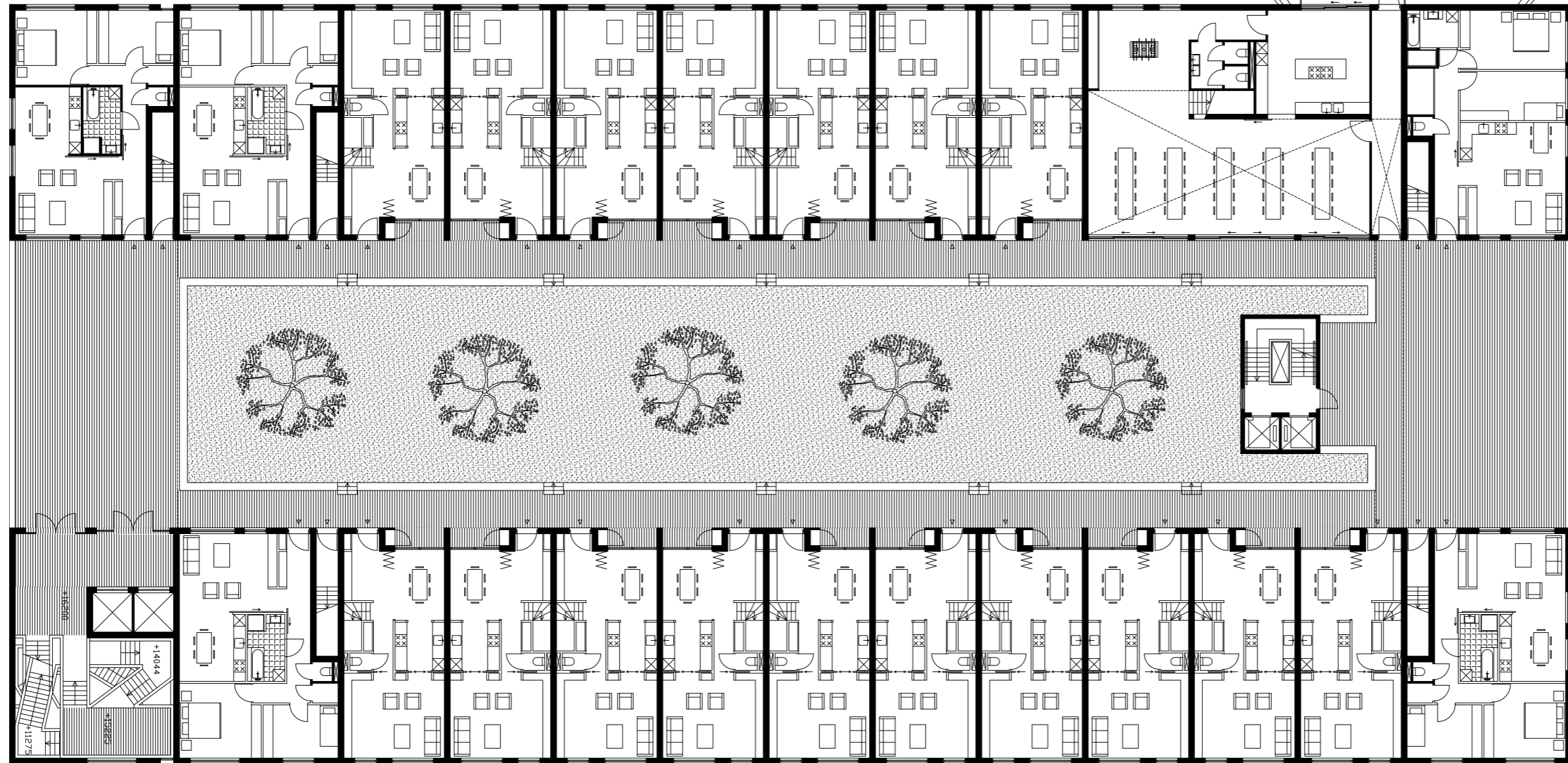
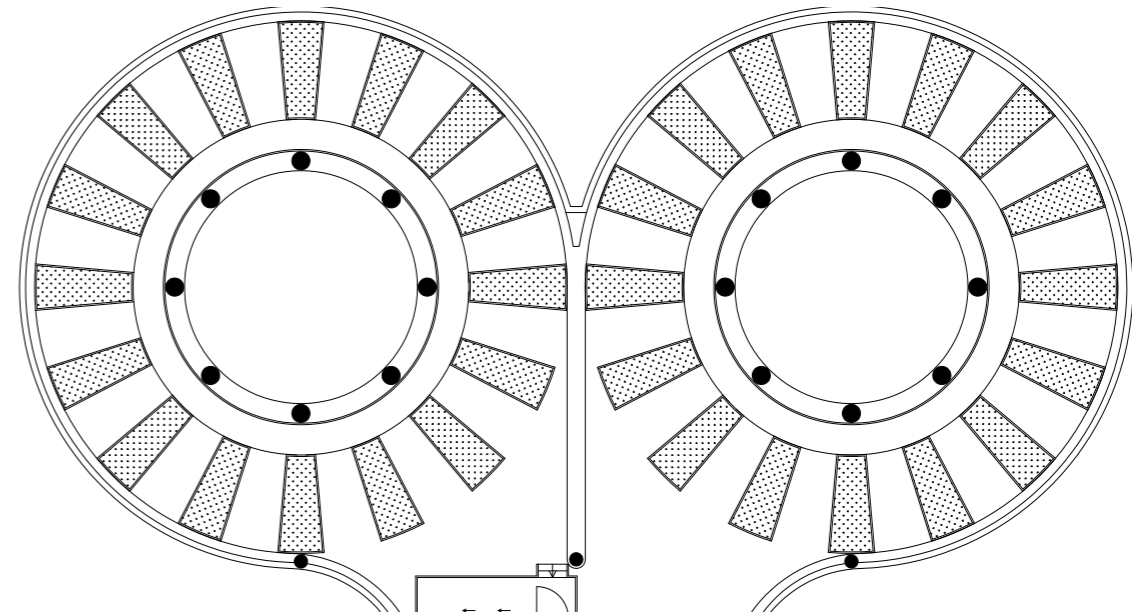
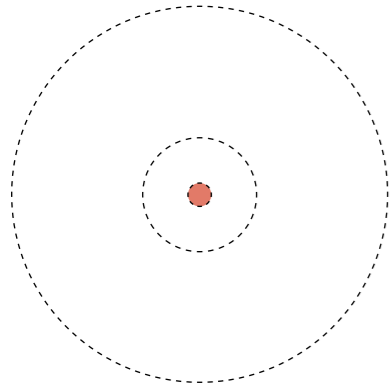
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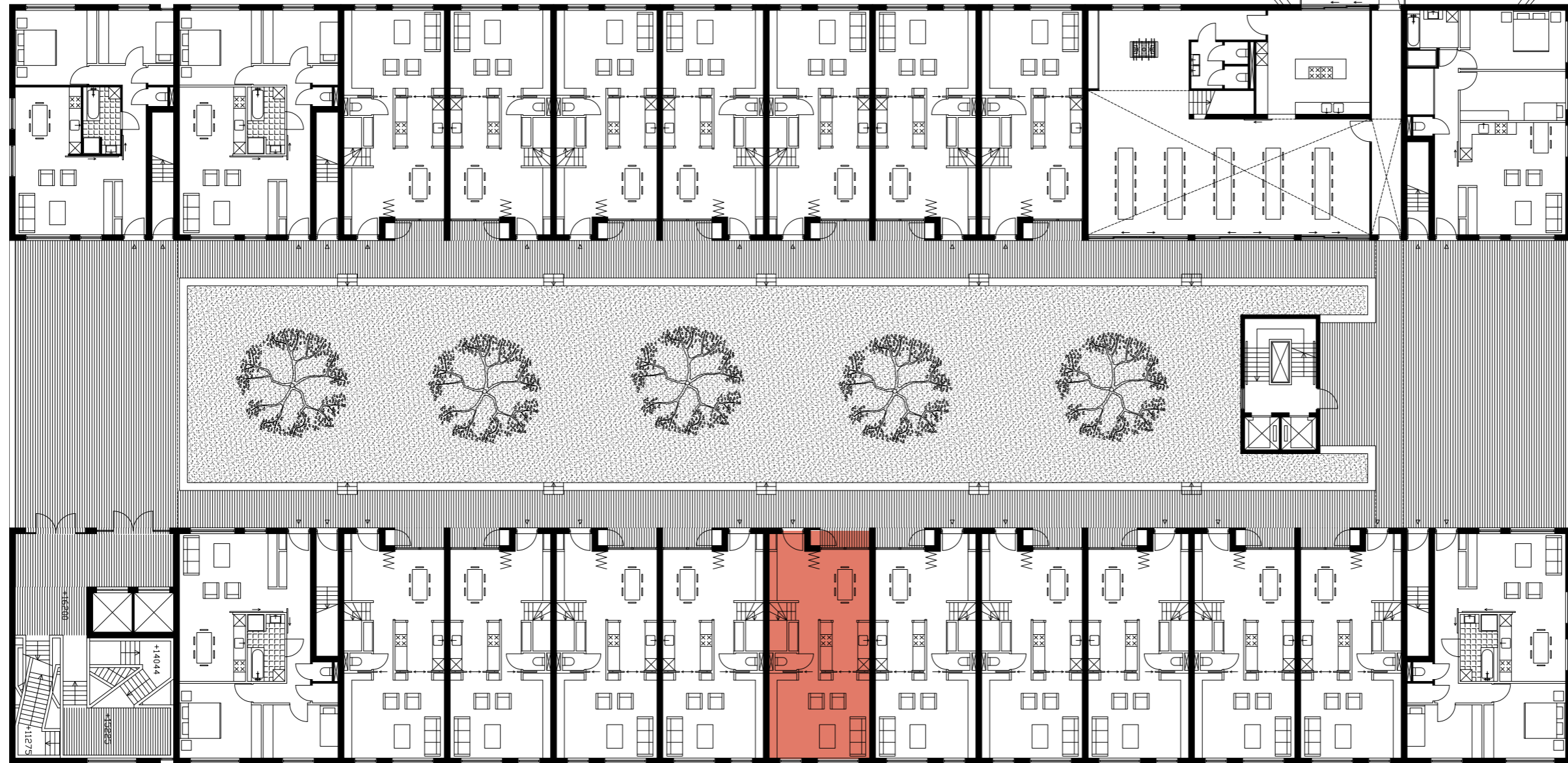
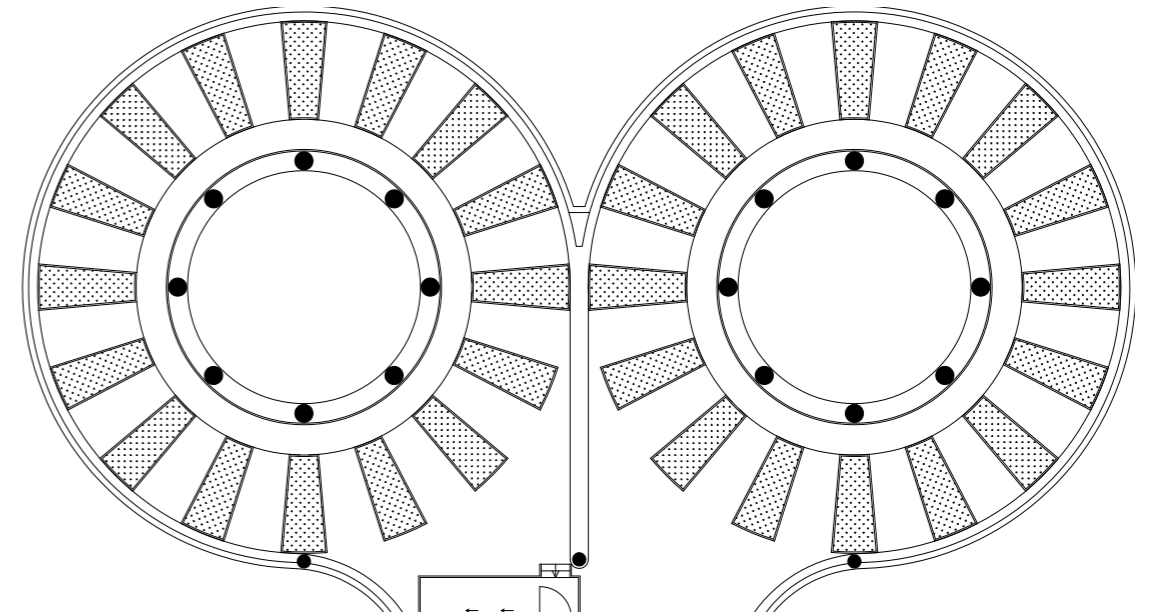
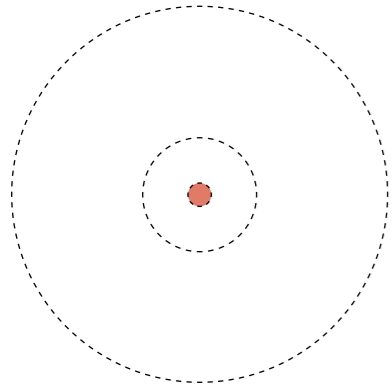




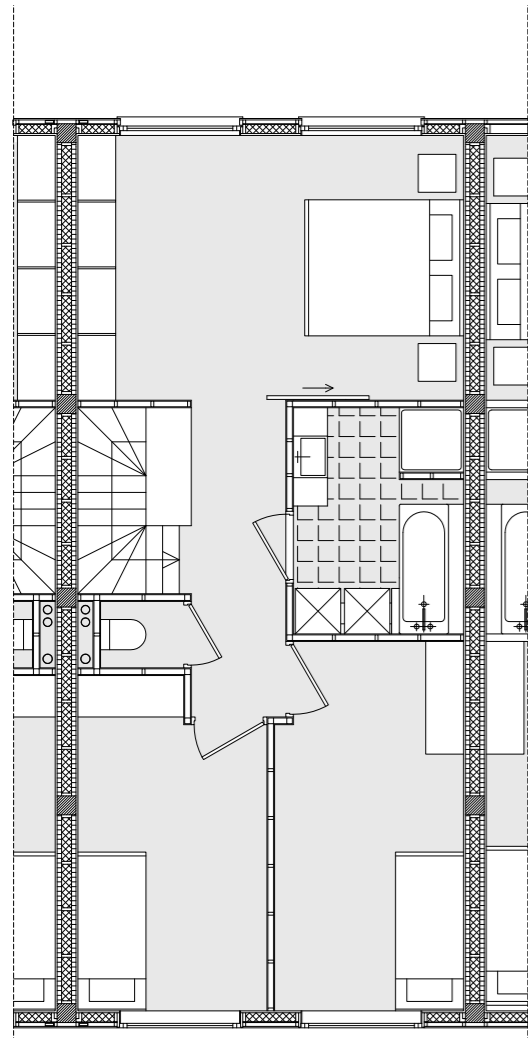
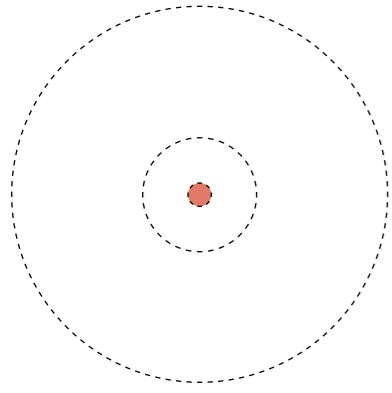
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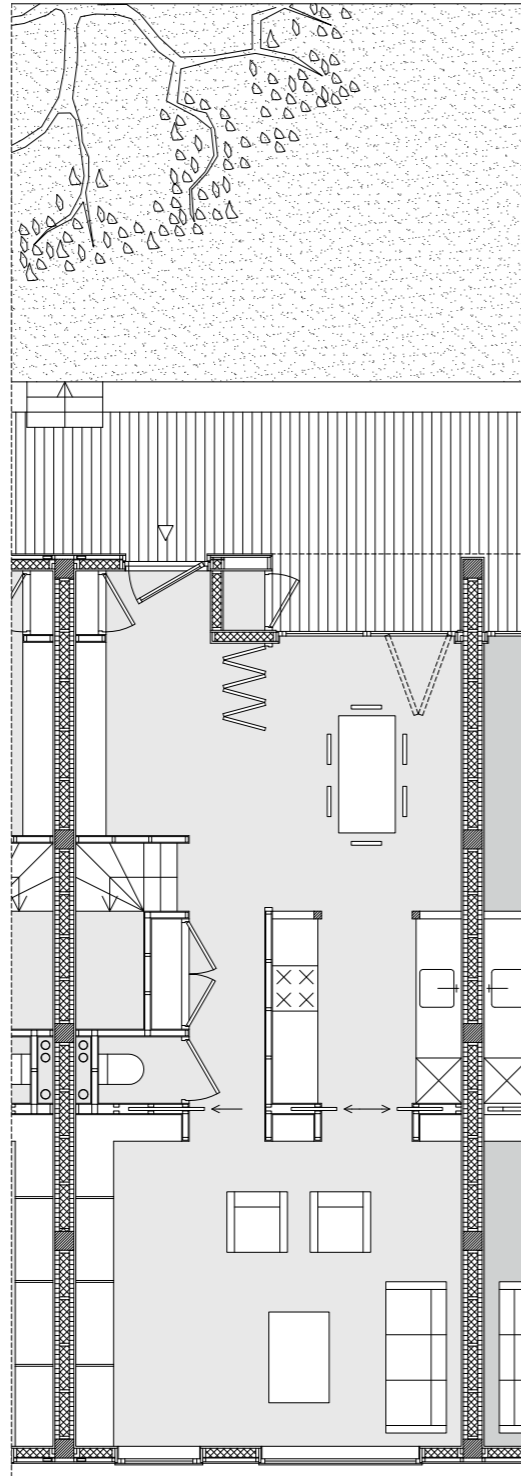
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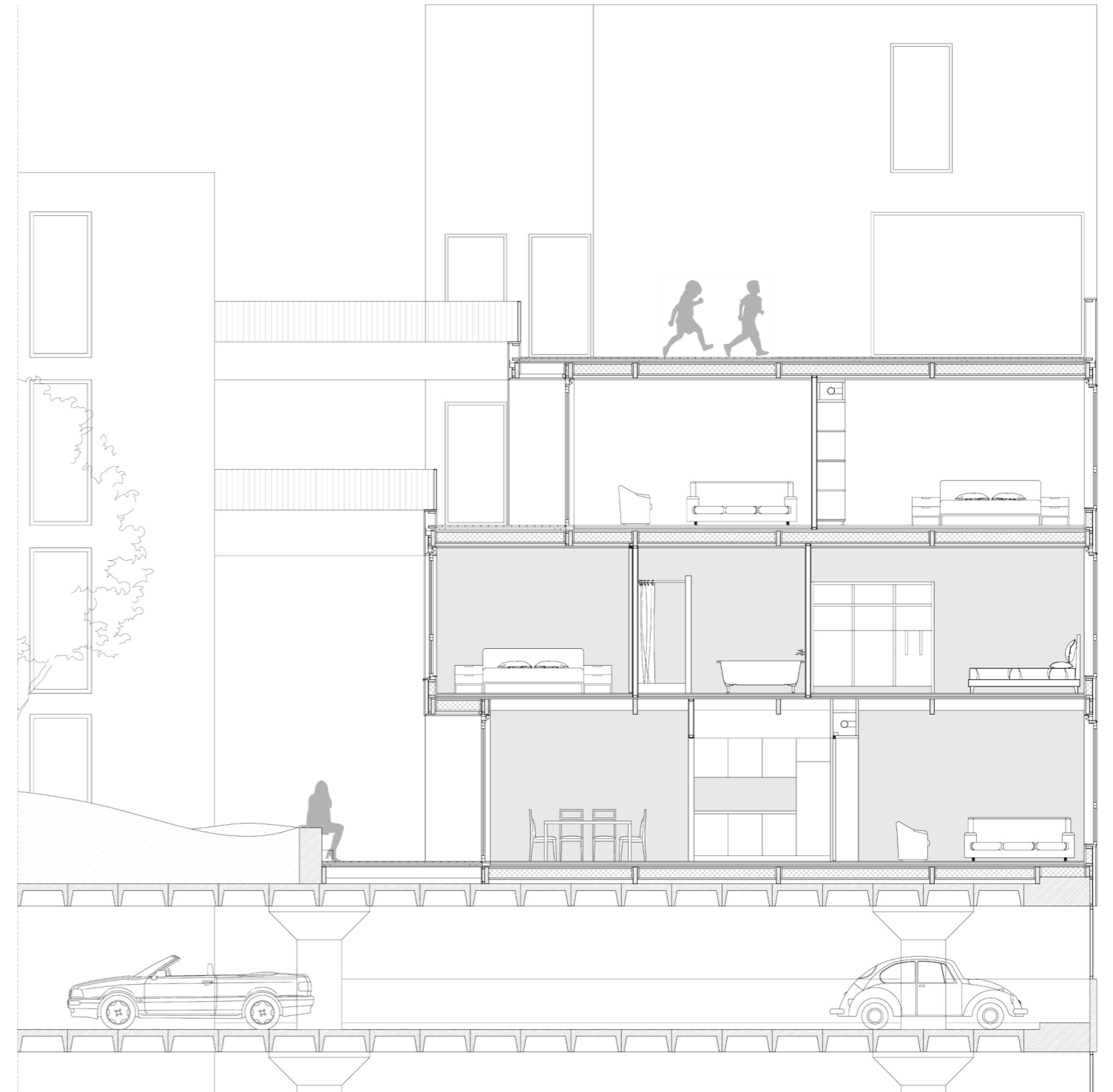
# ASSESSMENT



+1

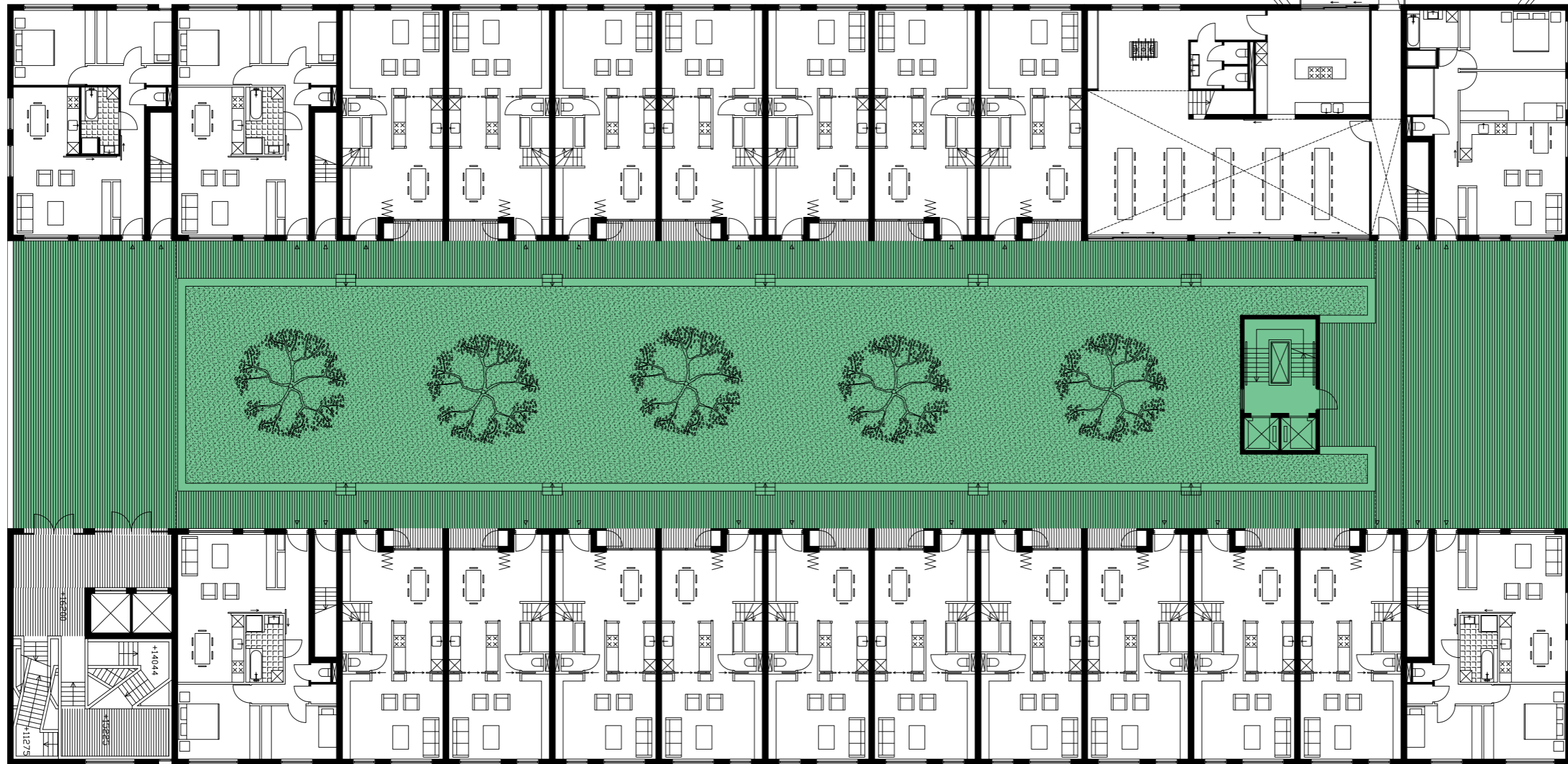
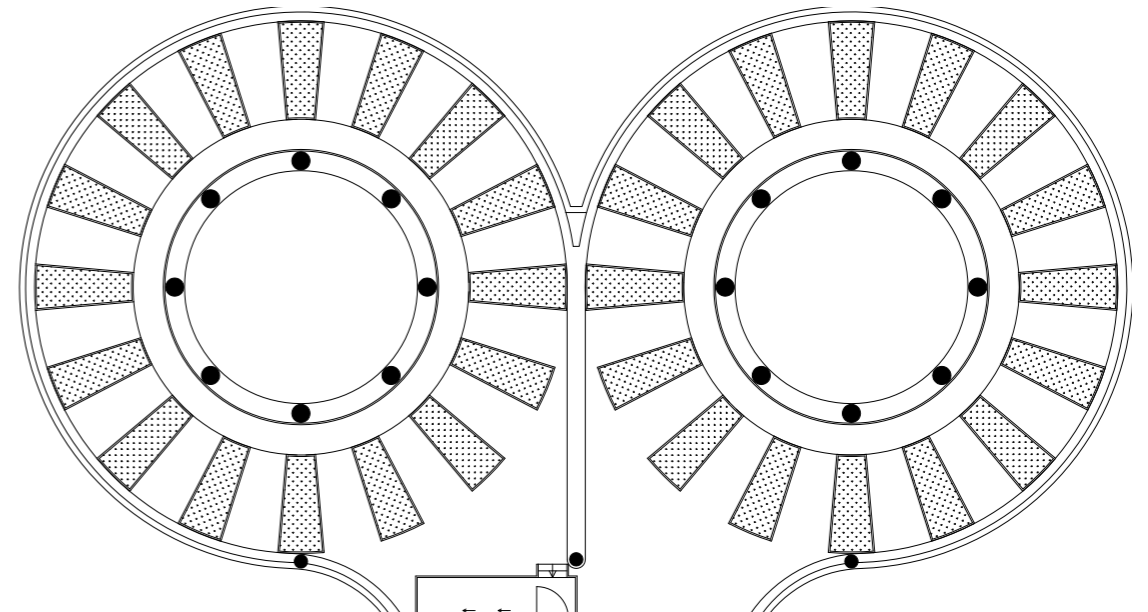
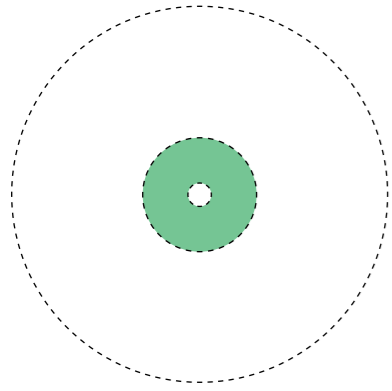


Ground floor

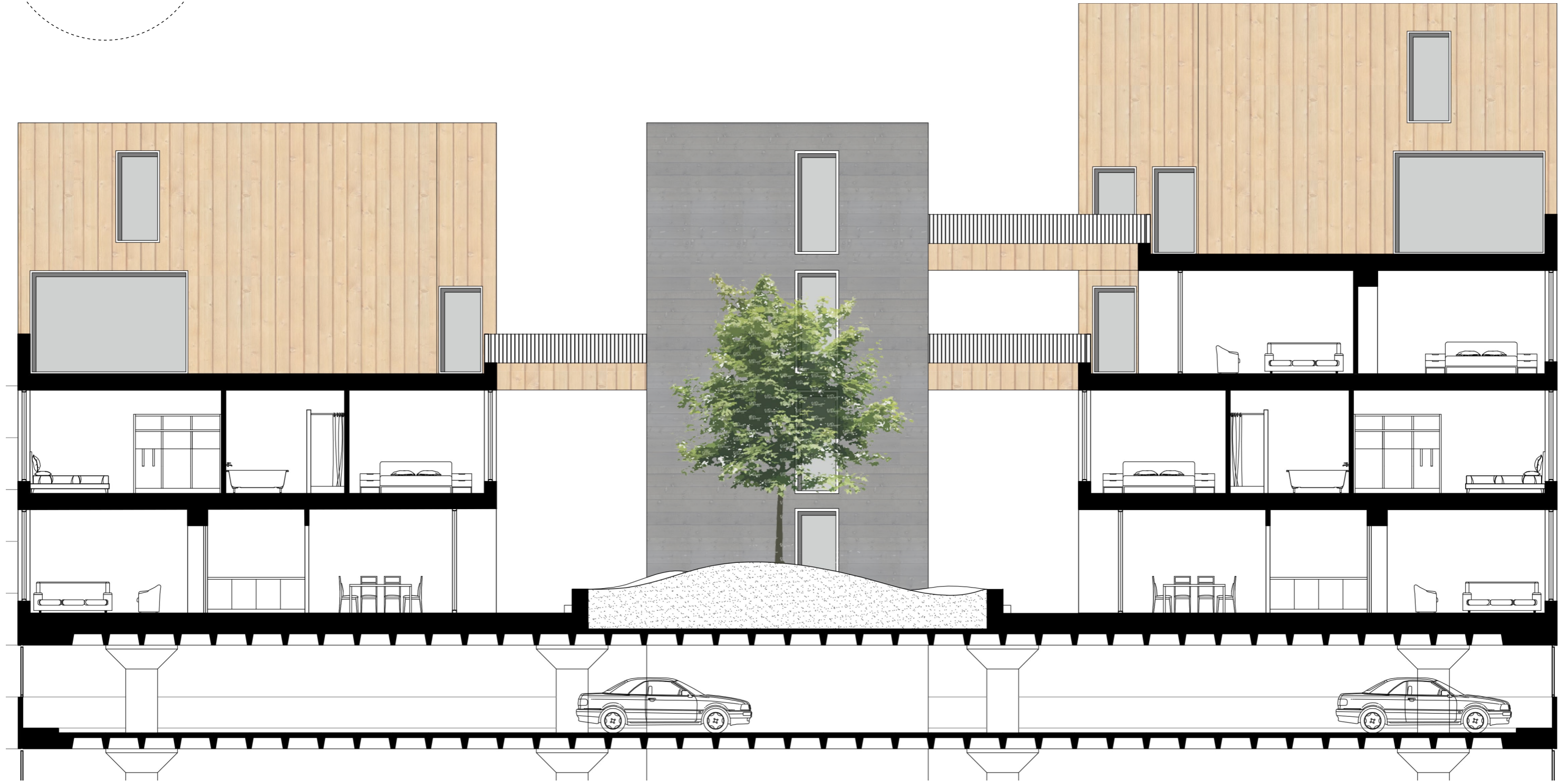
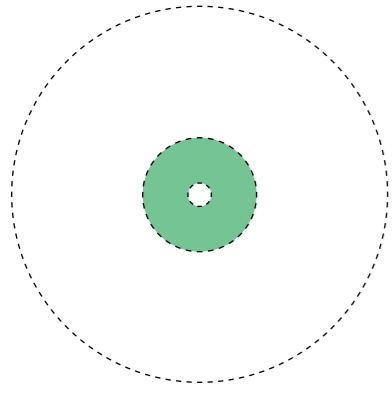


Section

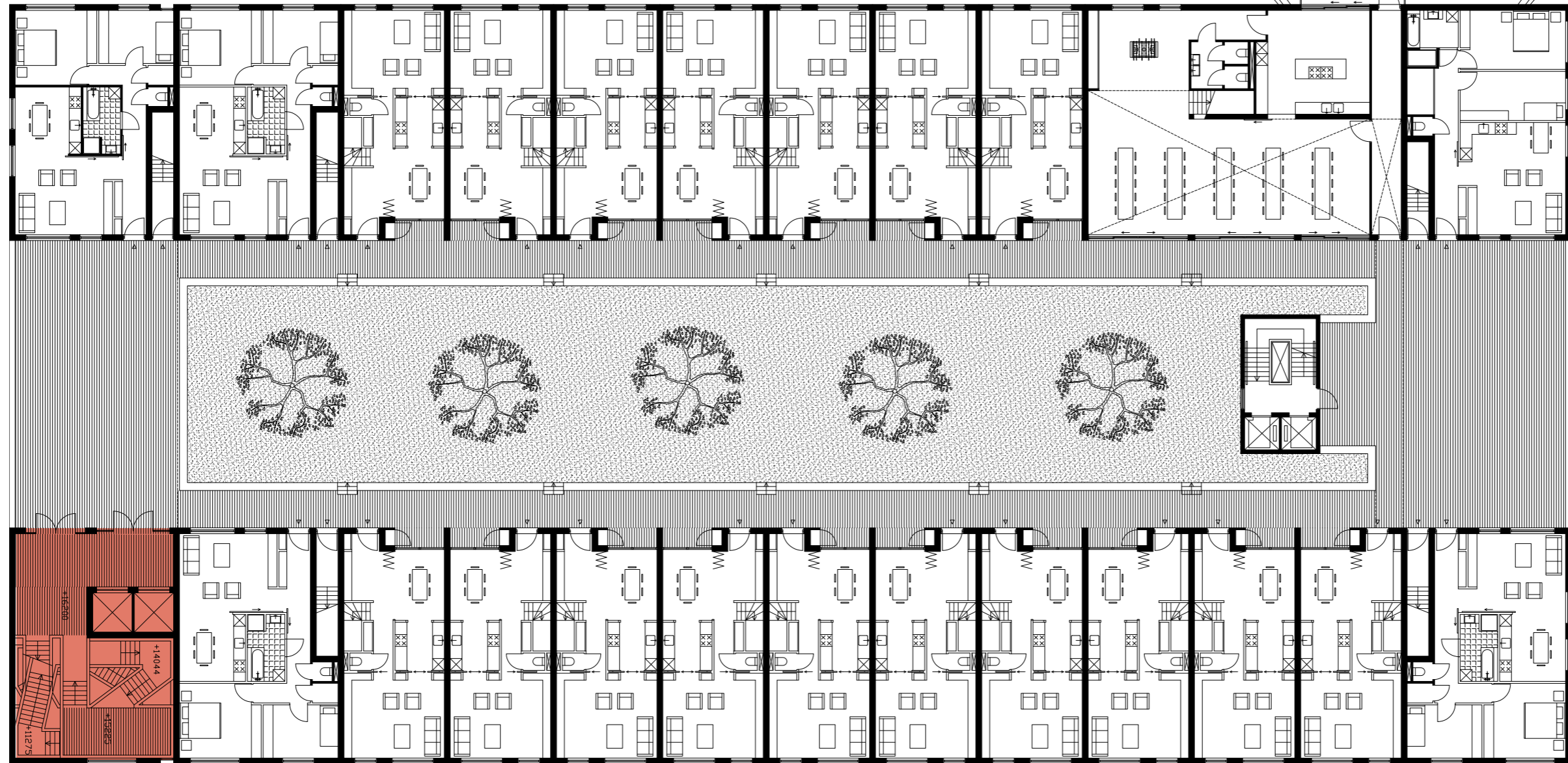
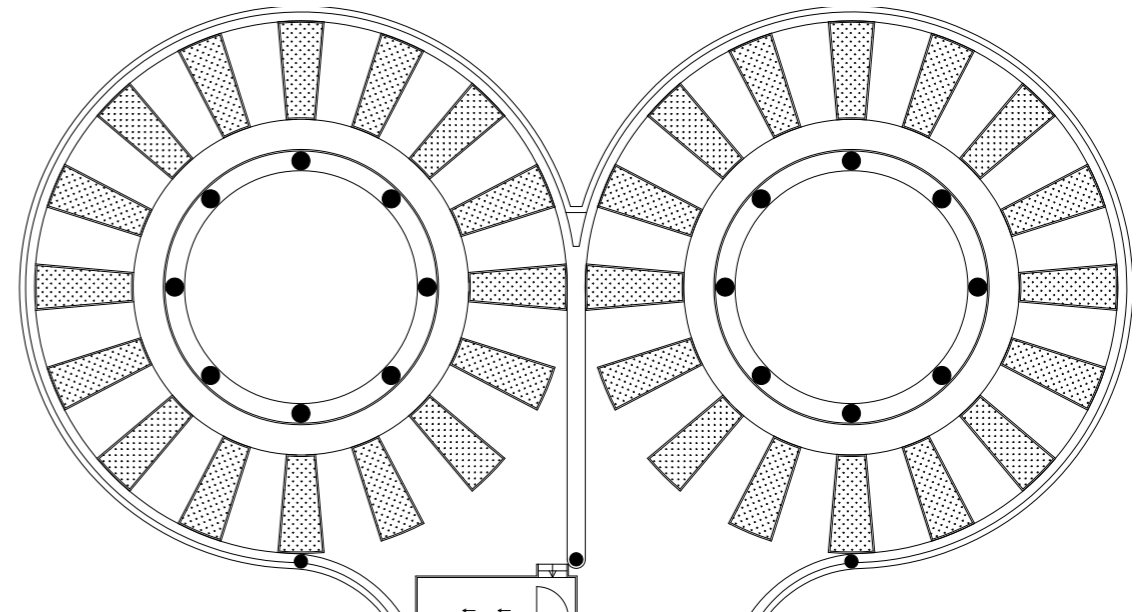
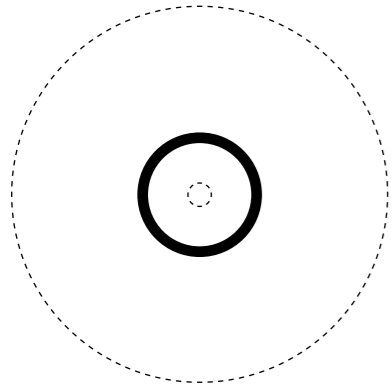
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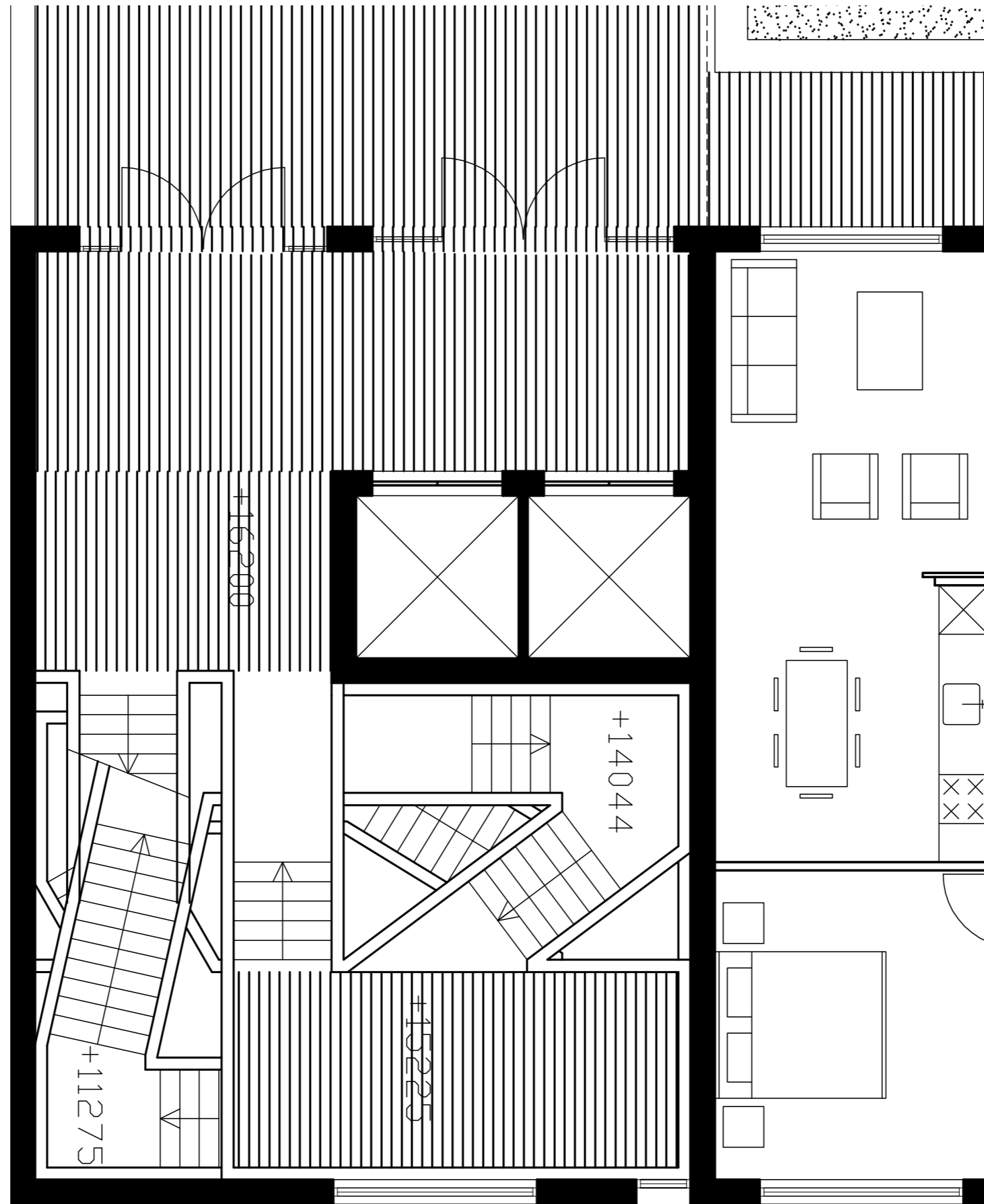
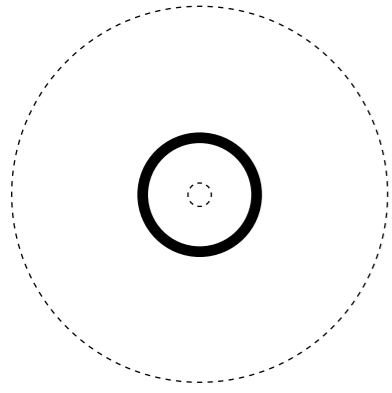
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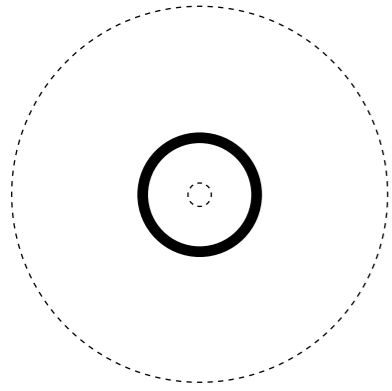


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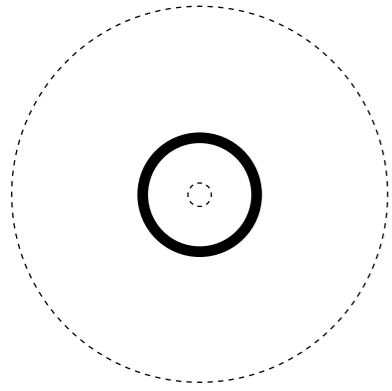
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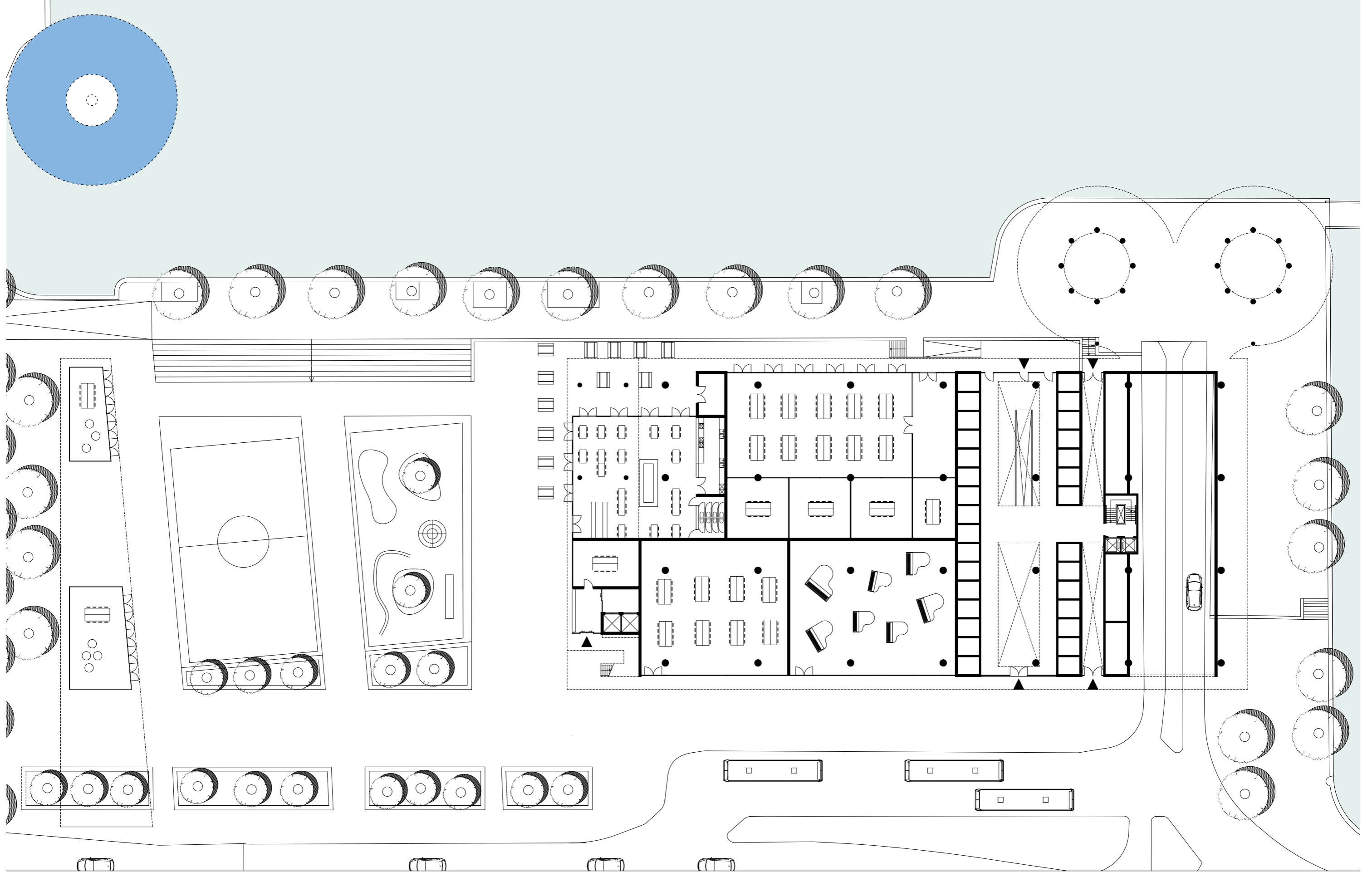




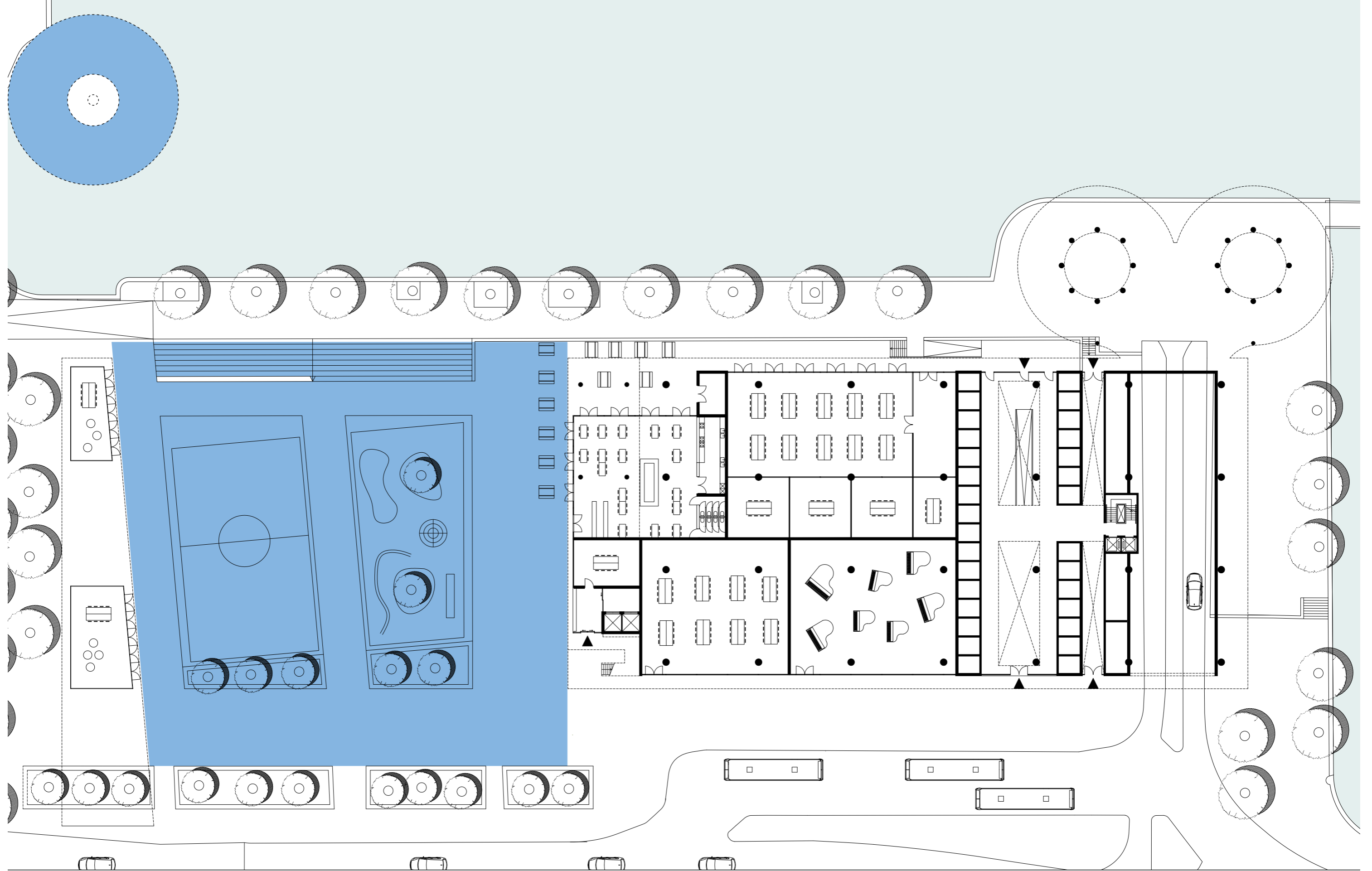
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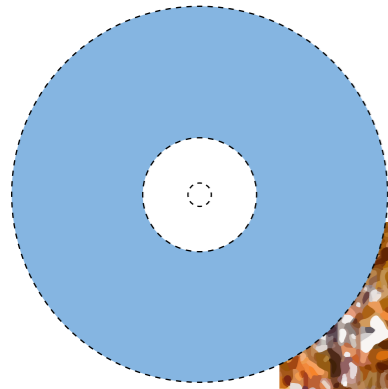


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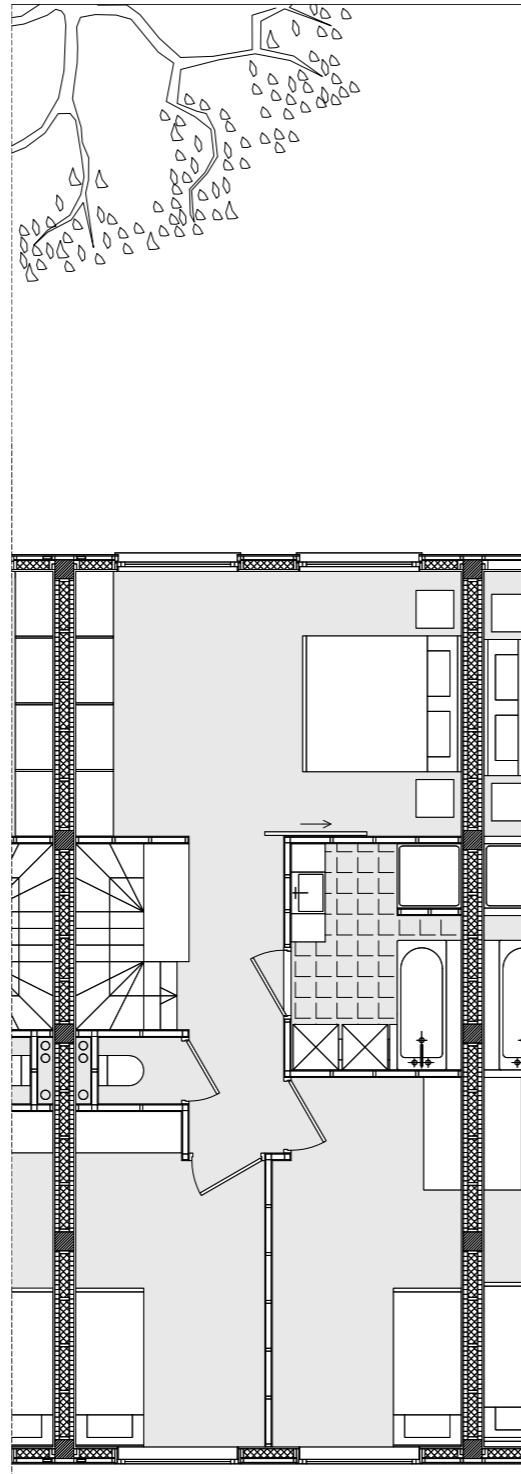
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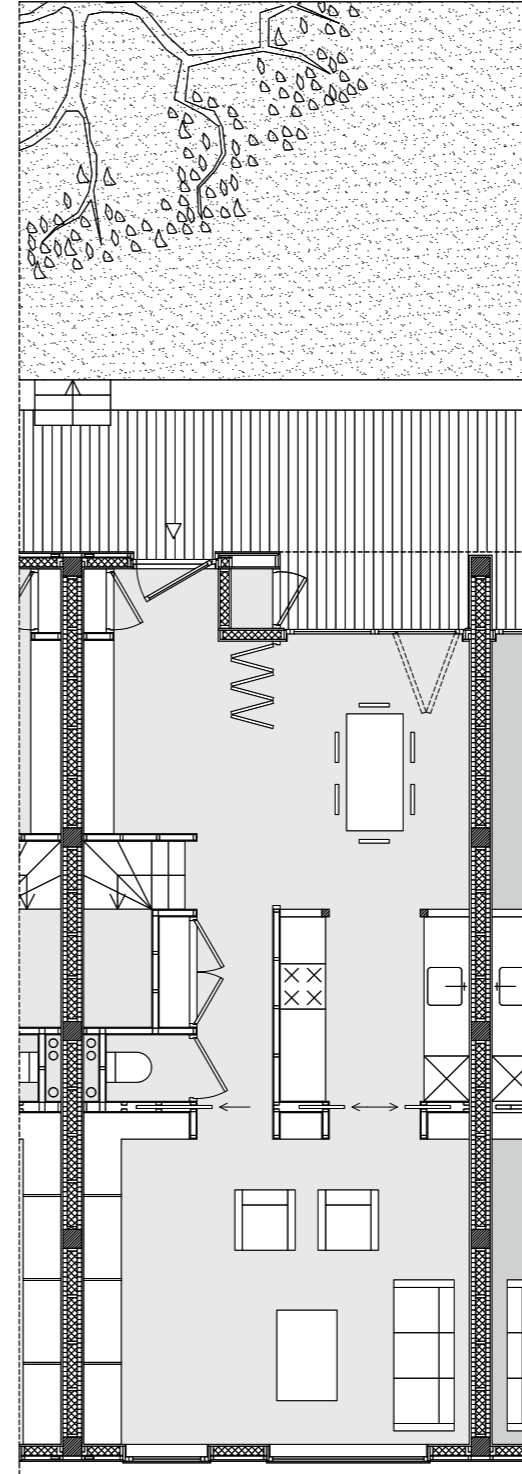


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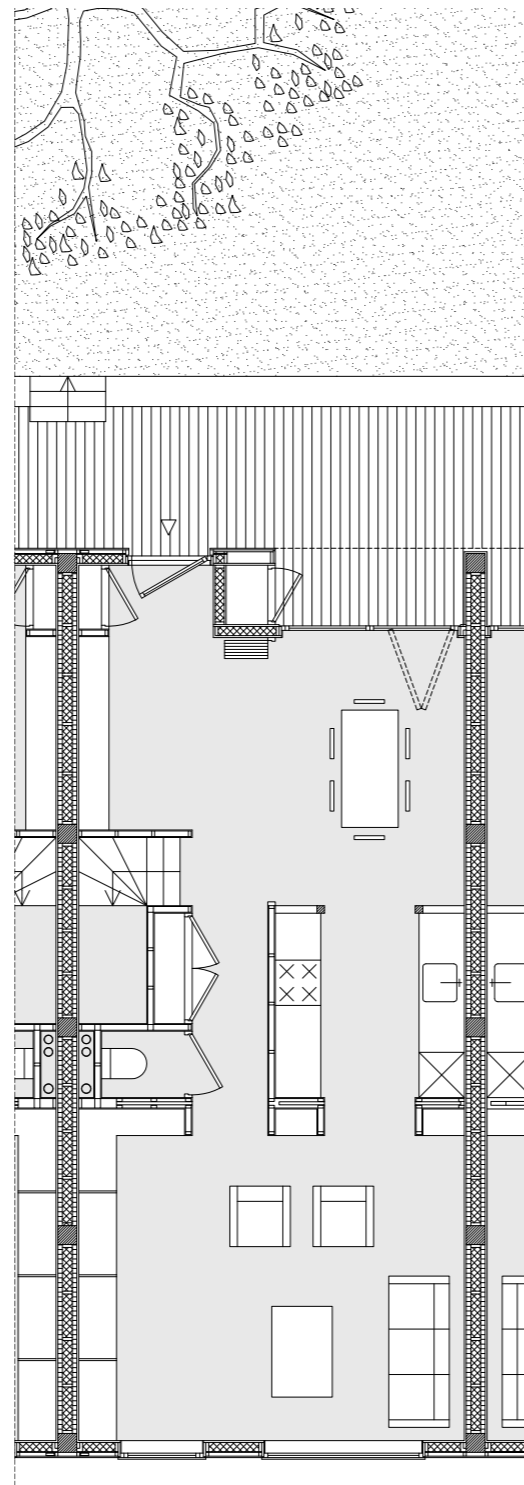
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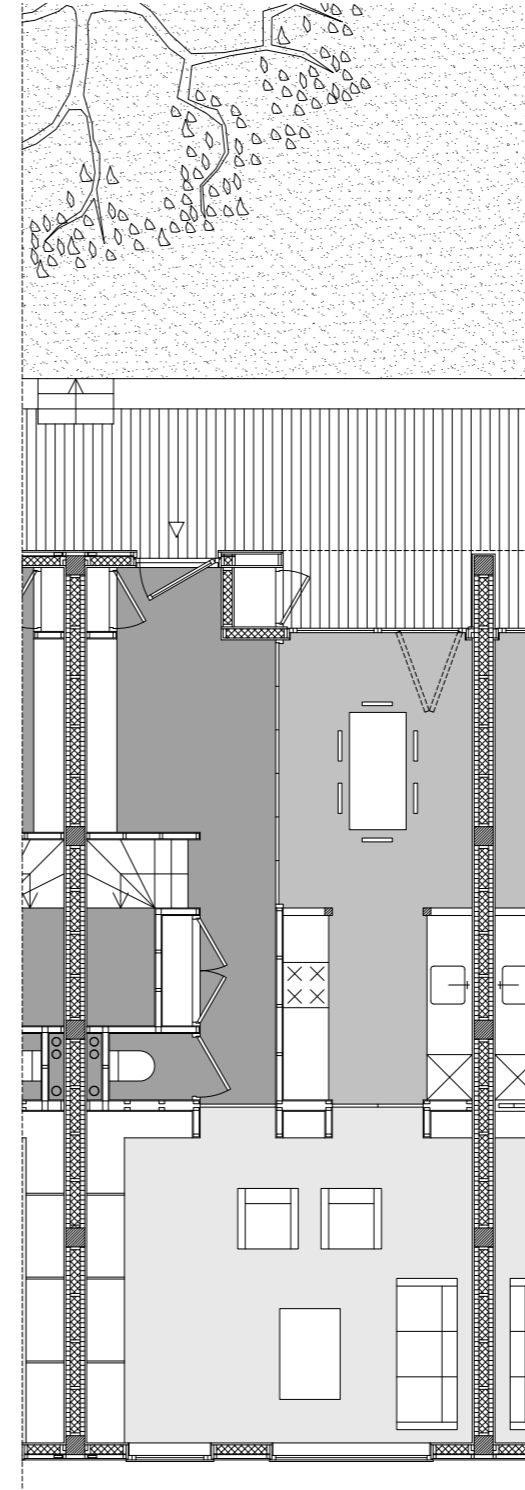
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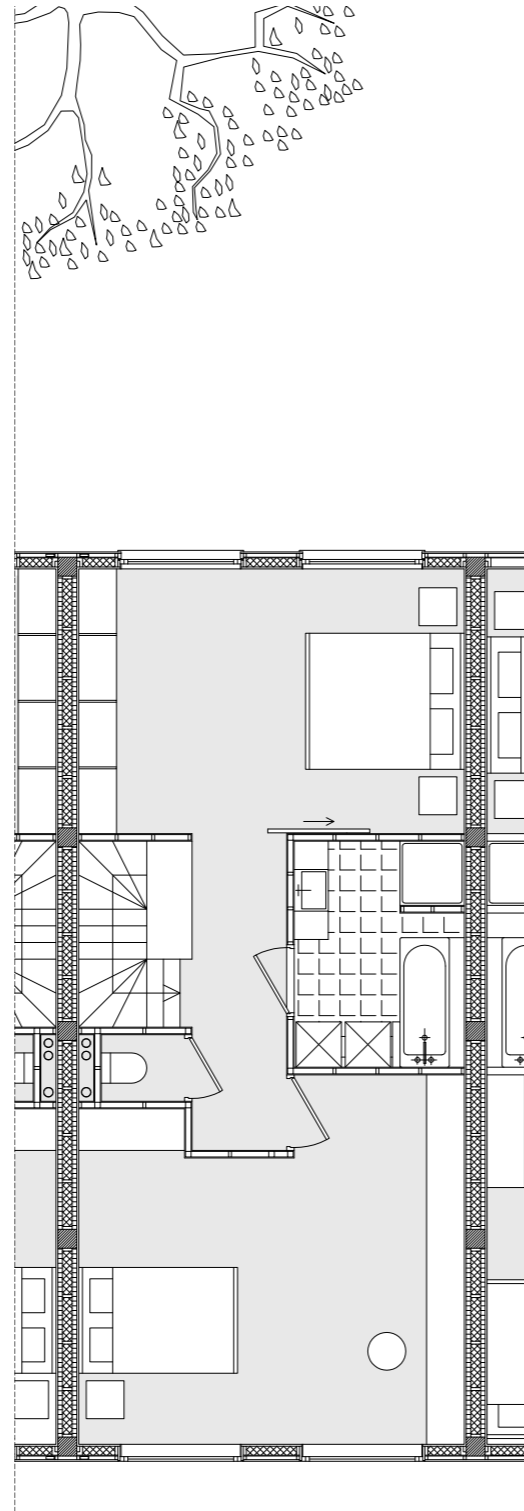
Ground floor



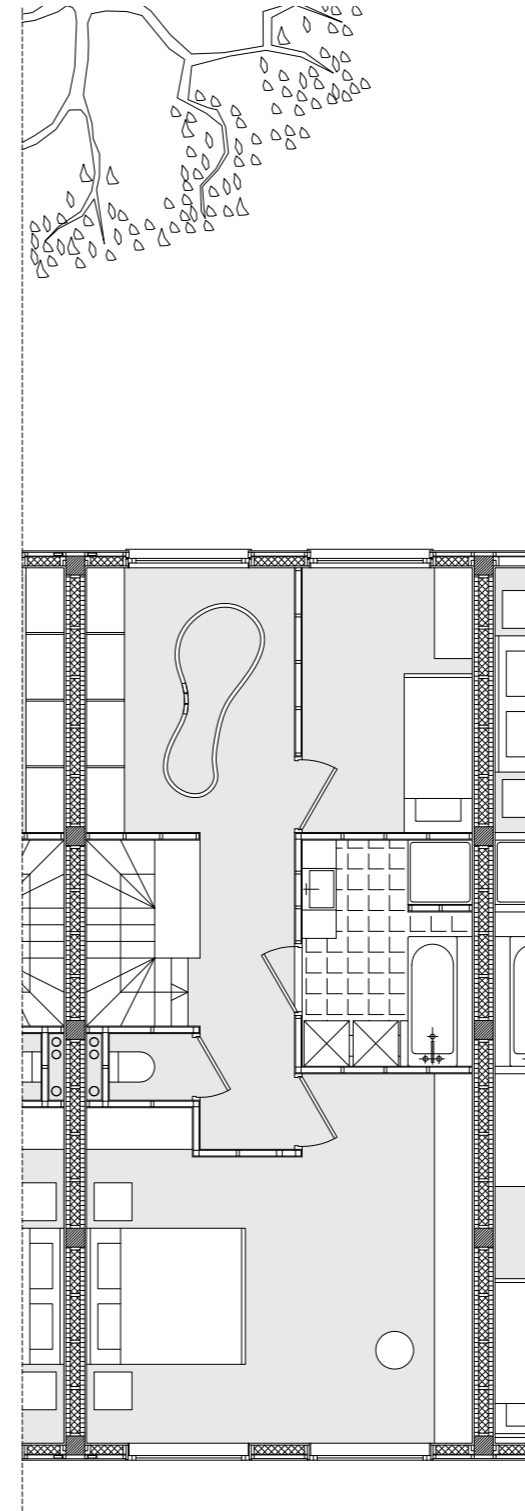
Open



Closed



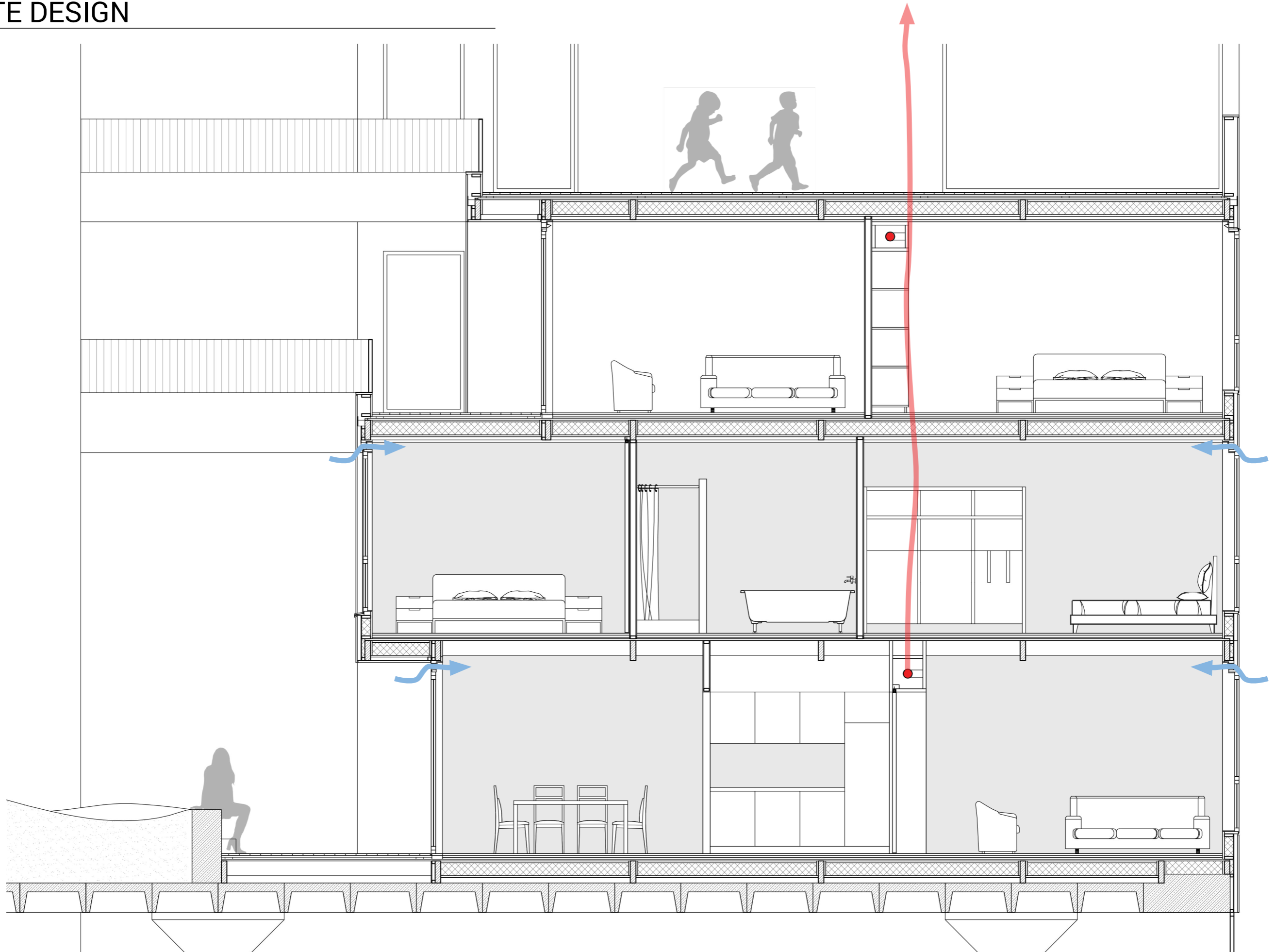
Variant 1



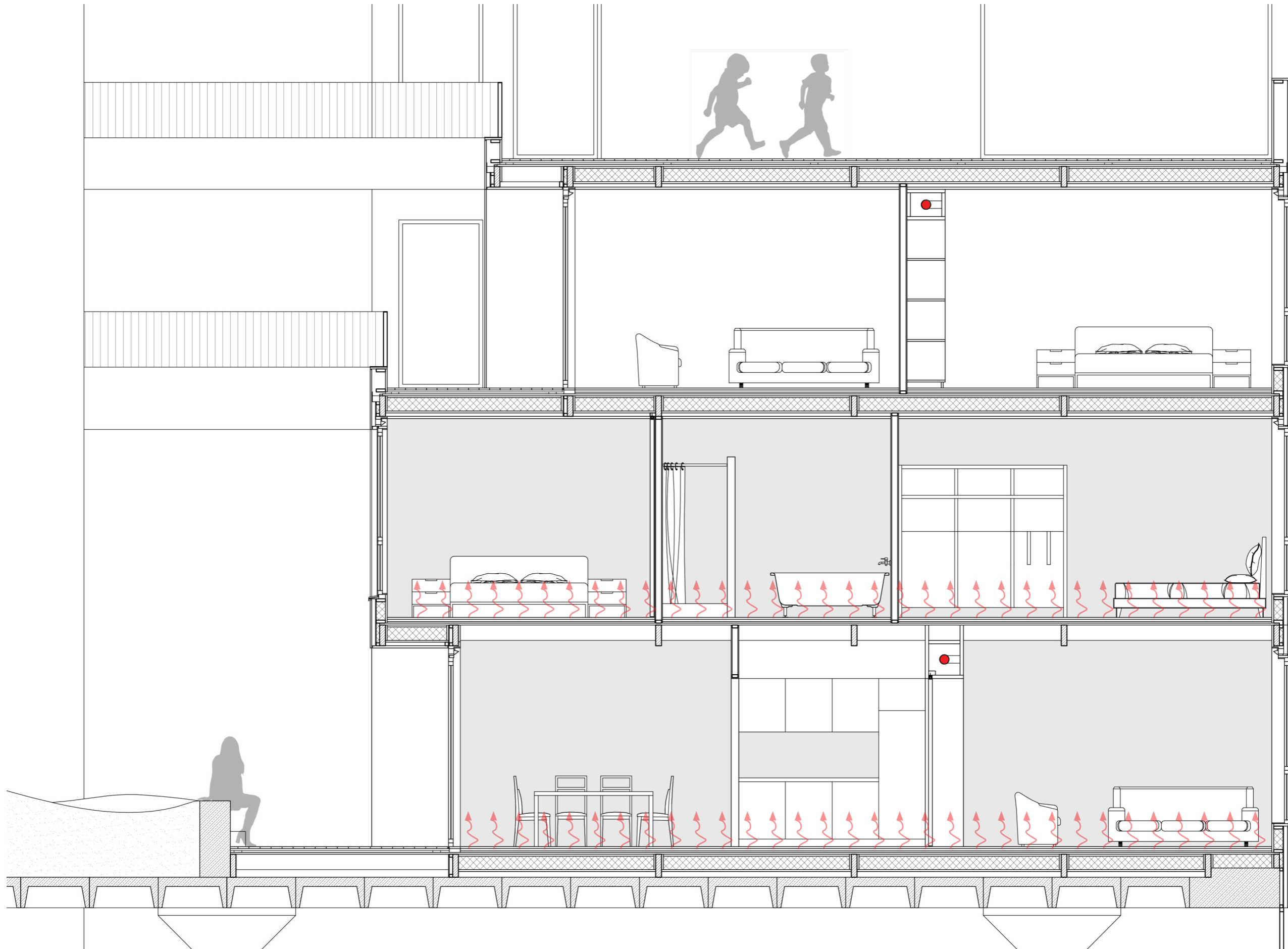
Variant 2



# CLIMATE DESIGN

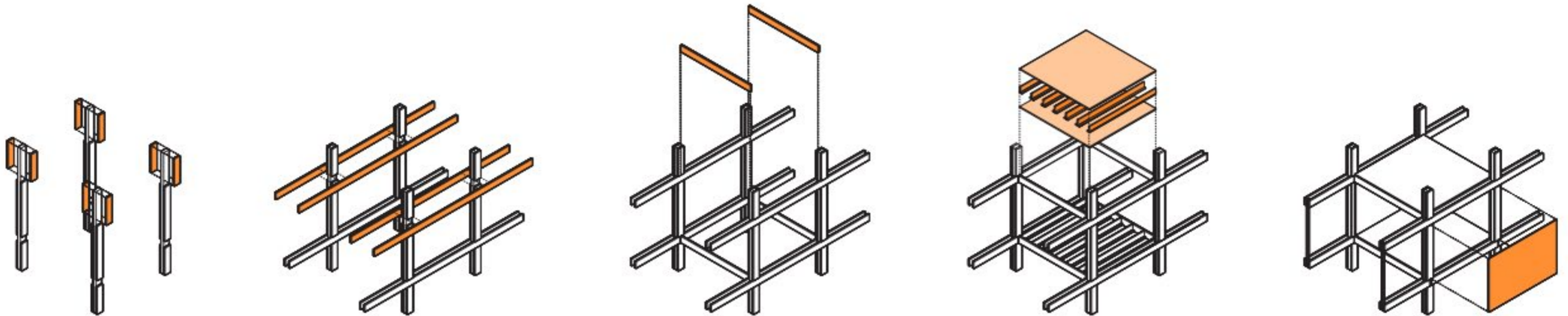


# CLIMATE DESIGN

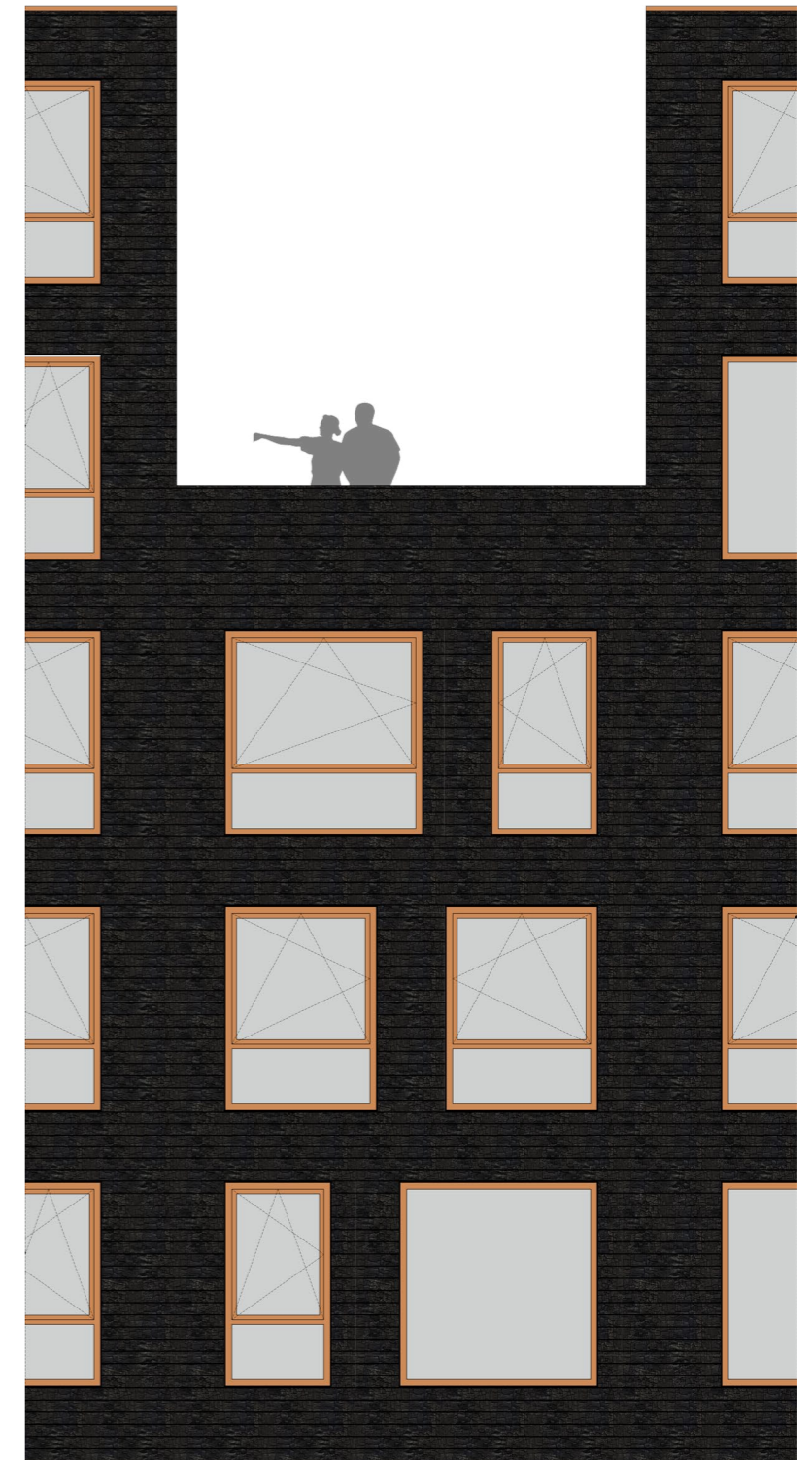
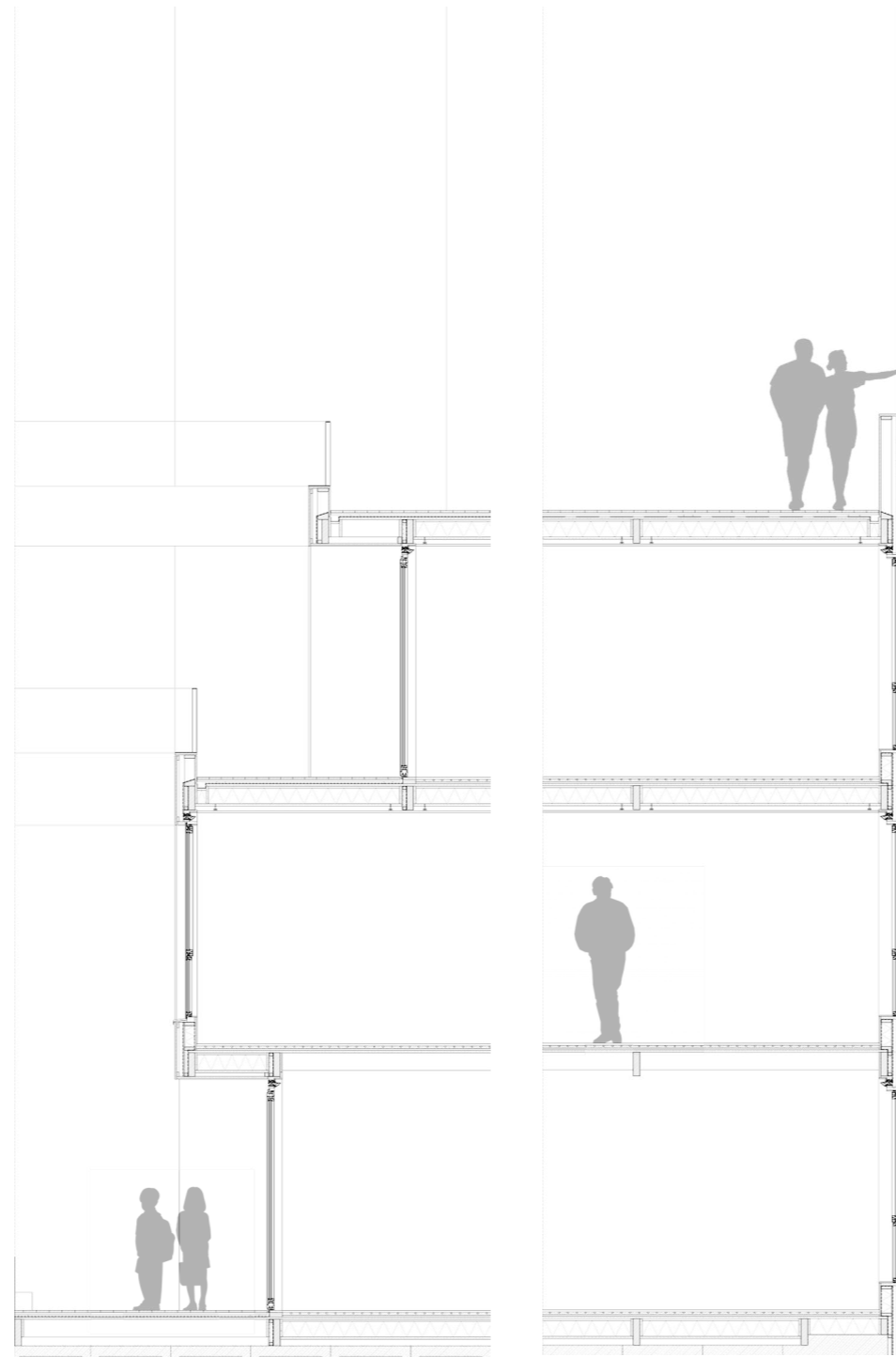
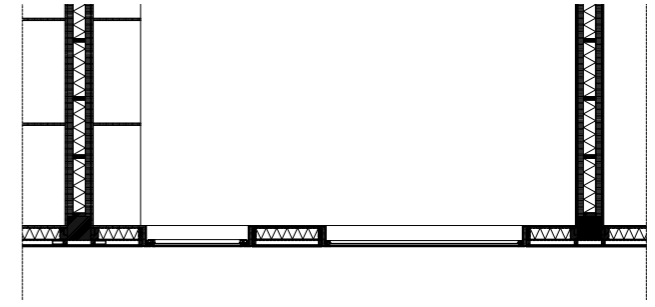
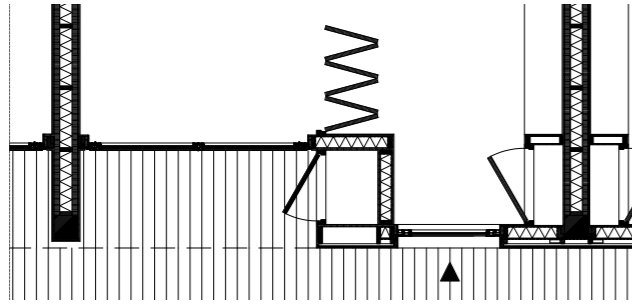


# CONSTRUCTION

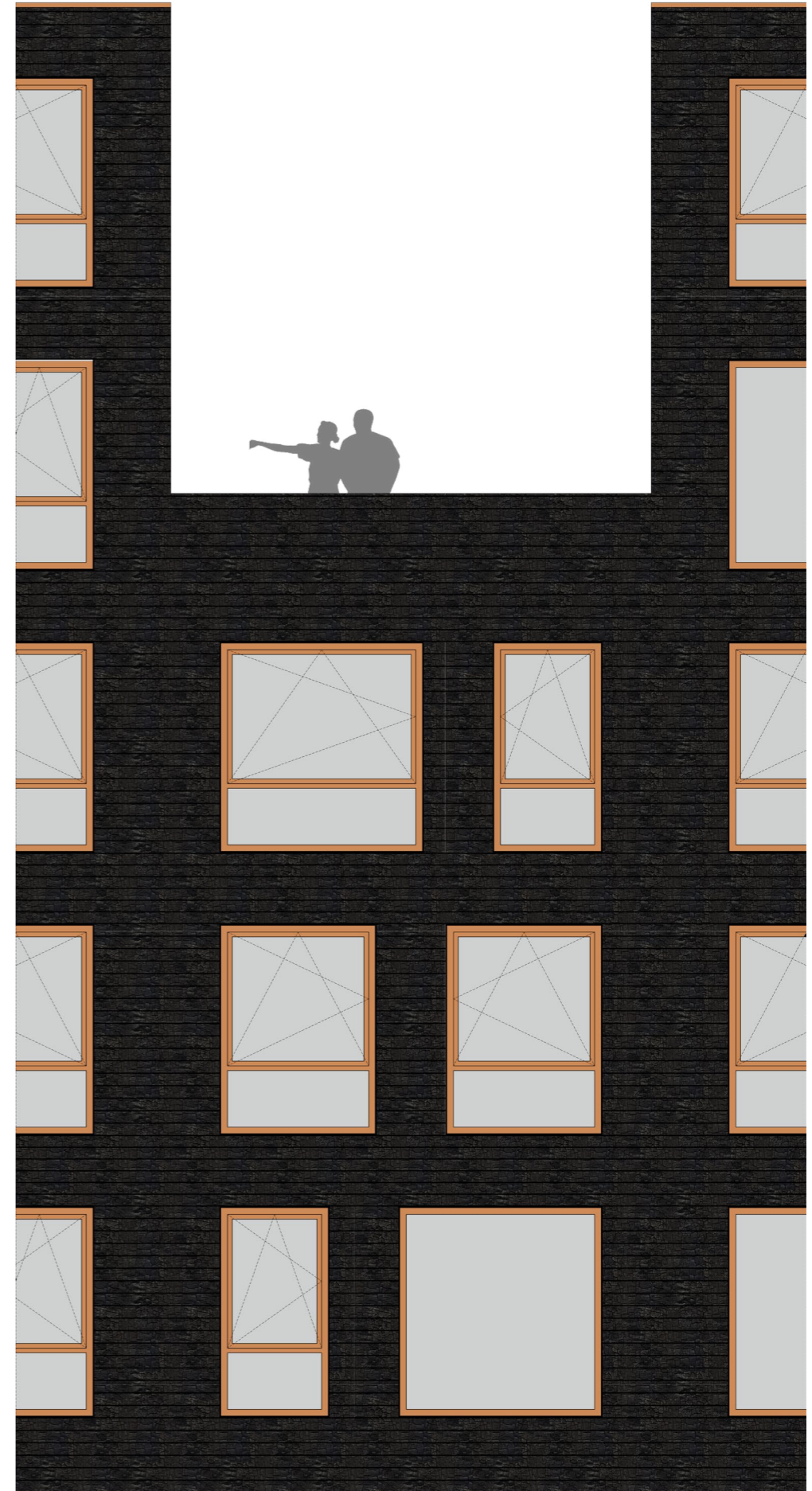
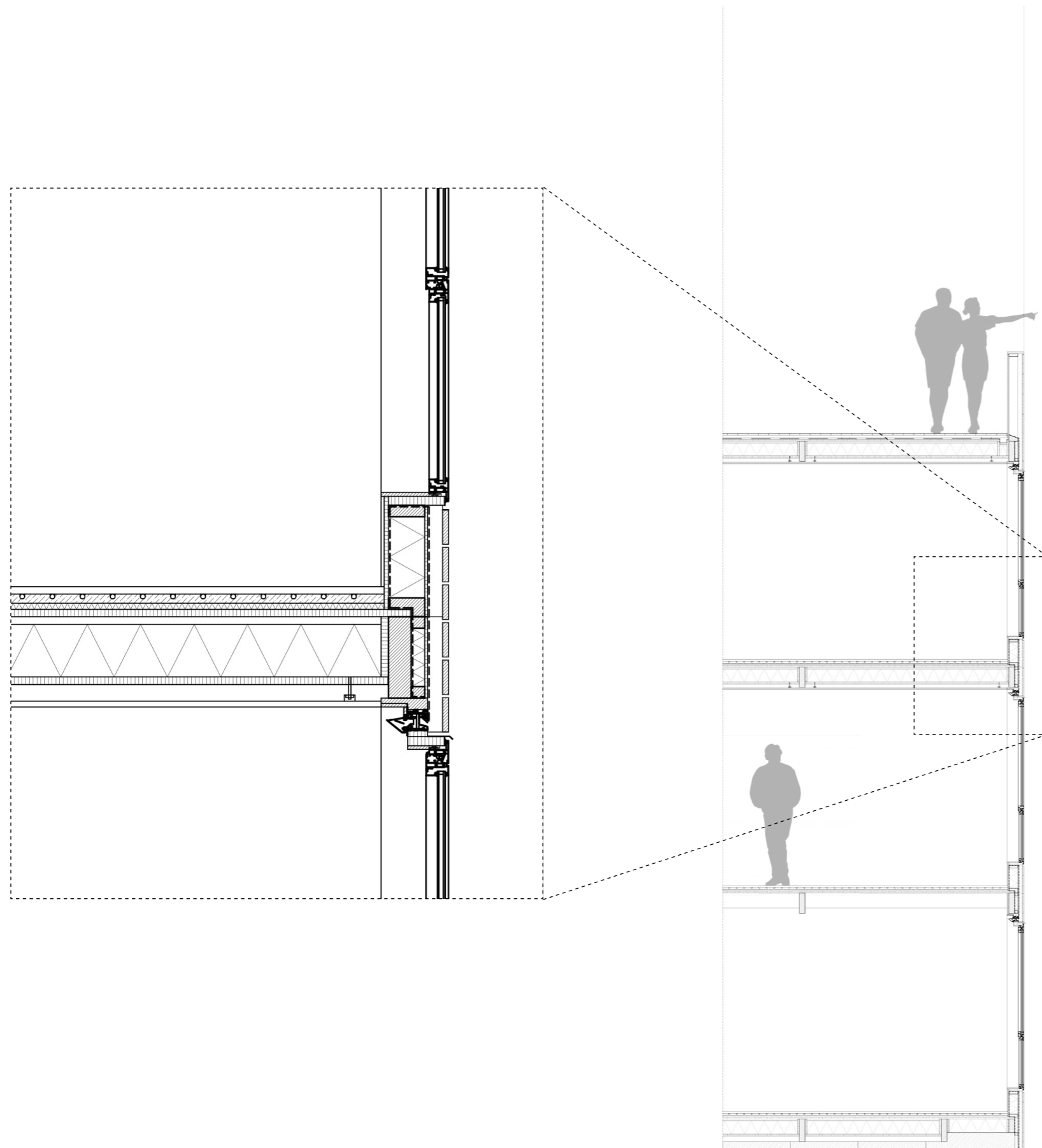
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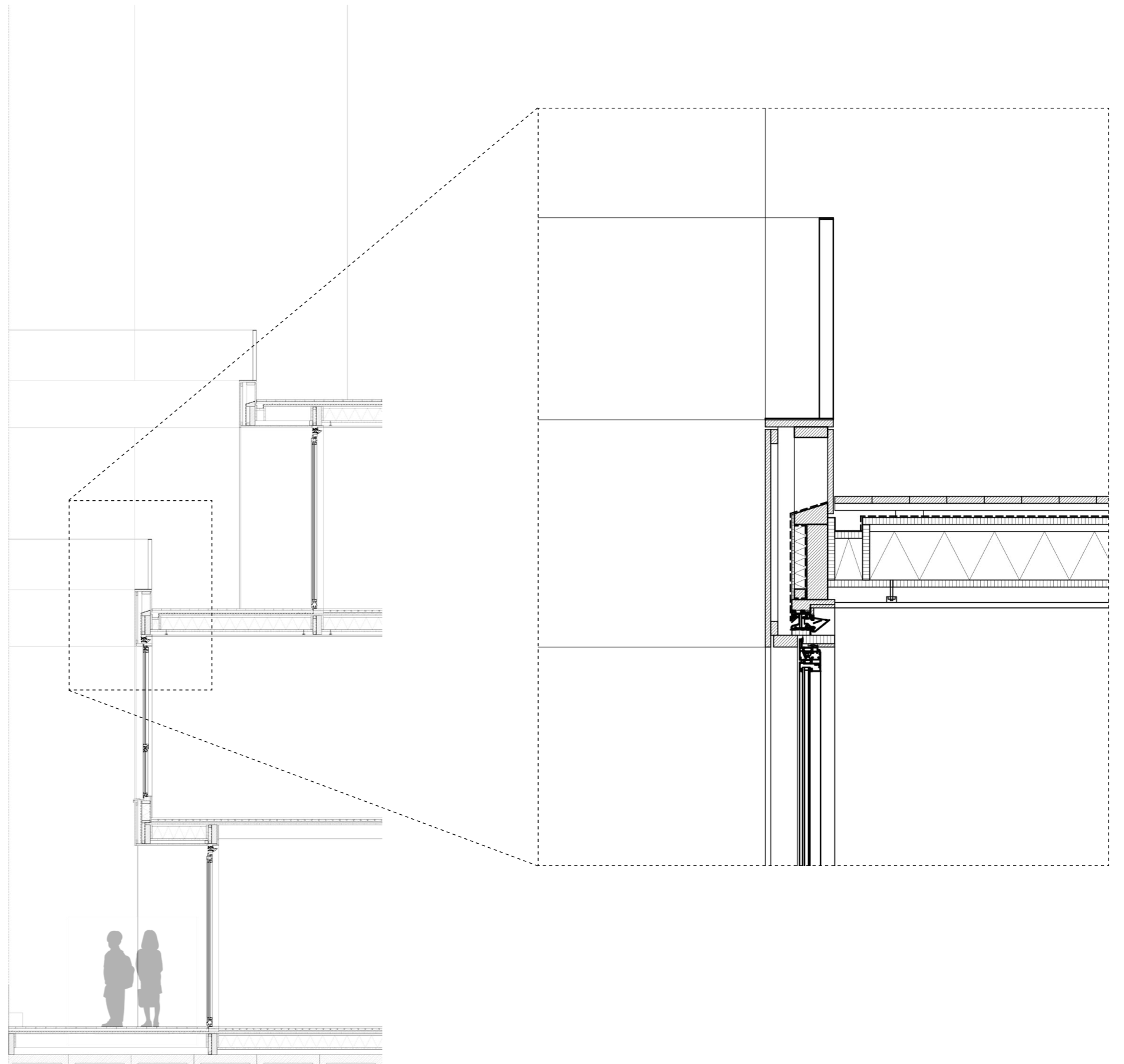
# DETAILING



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# QUESTIONS

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