

# ENTANGLED

Public Building Graduation Studio 2020-21 | THE NEW MUSEUM | Art + the City Re-wired | JULKA VEERMAN 4460995

'architecture is frozen music'  
Johann Wolfgang von Goethe

'music is liquid architecture'  
Edward Howard Griggs



NOGENTRIFICATION

INCLUDE

ENTANGLE

*“AISHITHITIKIOS”* : **PERCEPTIVE BY FEELING**

*“AISTHISI “* : **THE SENSORY EXPERIENCE  
OF PERCEPTION.**

# SYNESTHESIA

## Synesthesia

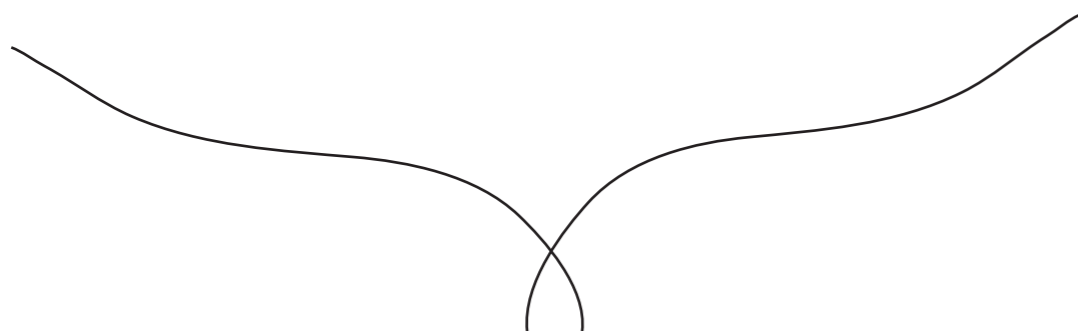
[Def.]

1. A condition in which one type of stimulation evokes the sensation of another, as when the hearing of a sound produces the visualisation
2. A sensation felt in one part of the body as a result of stimulus applied to another, as in referred pain
3. The description of one kind of sense impression by using words that normally describe another

## Synesthetic

[Def.]

Relating to or experiencing synesthesia; involving more than one sense; "synesthetic response to music"



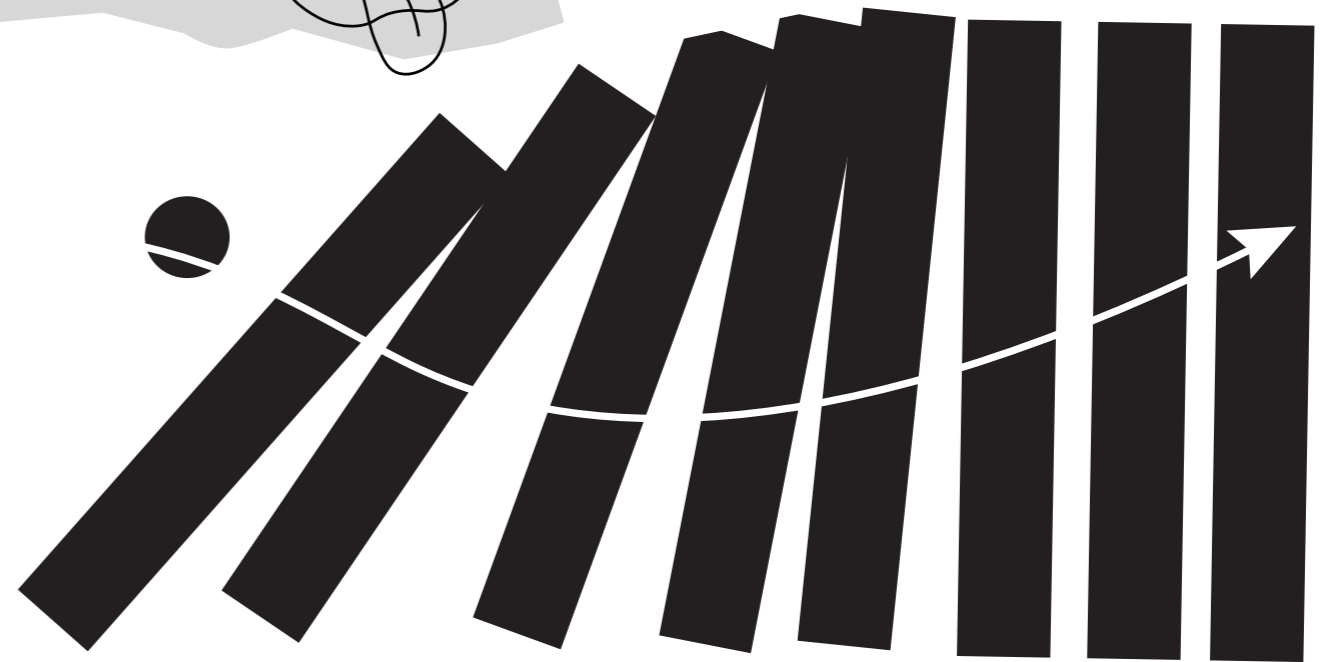
**ENTANGLEMENT OF SENSES  
STIMULATION OF SENSES**



INCLUDE

ENTANGLE

NO-GENTRIFICATION



A MUSEUM FOR EVERYONE

## SYNESTHETIC ART IN TARWEWIJK

### PROBLEM STATEMENT

Gentrification

[Def.]

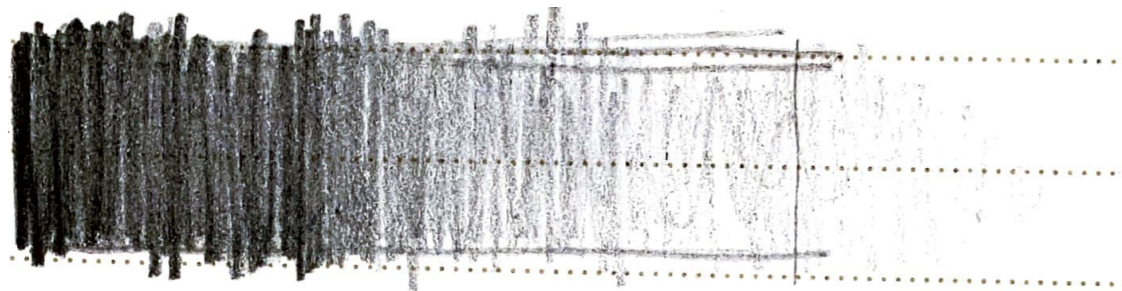
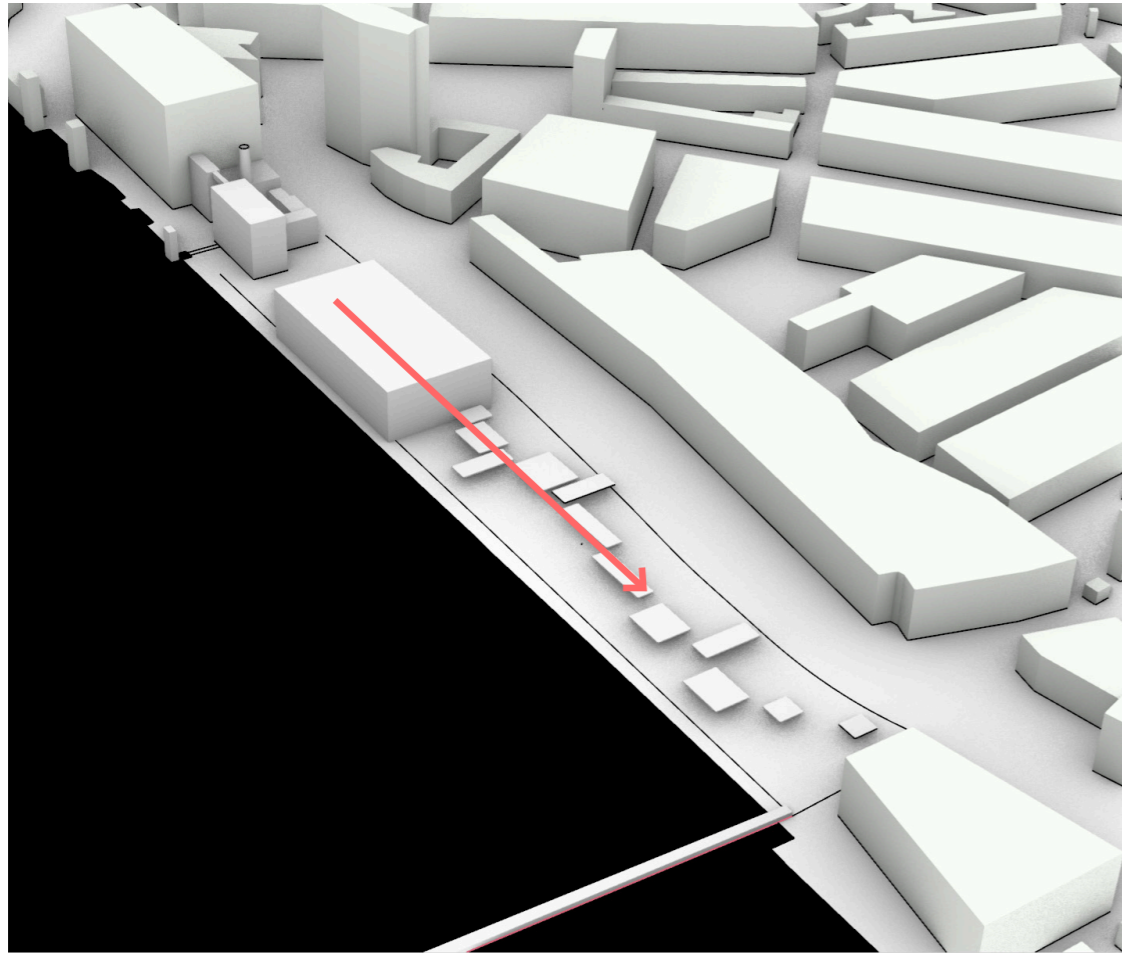
*“Gentrification is a process of social, cultural and economic upgrading of a neighborhood or district, attracting wealthy new residents / users and the accompanying expulsion of the lower classes from the district.”*

### GOAL

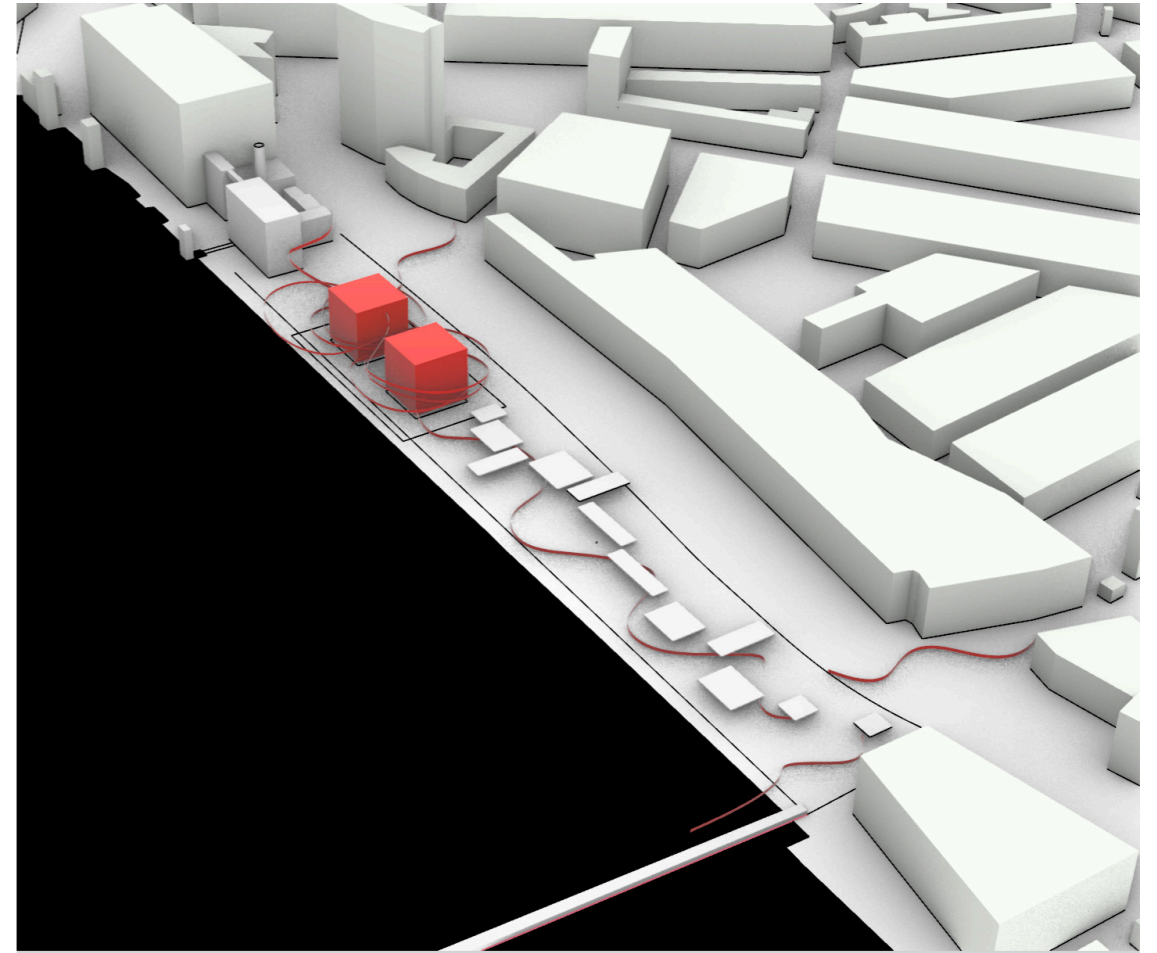
Re-wire Tarwewijk through an Art Museum (is a public building!)

# URBAN CONCEPT

## FRAGMENTATION

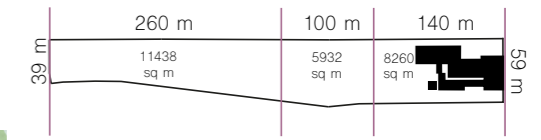


## ENTANGLEMENT

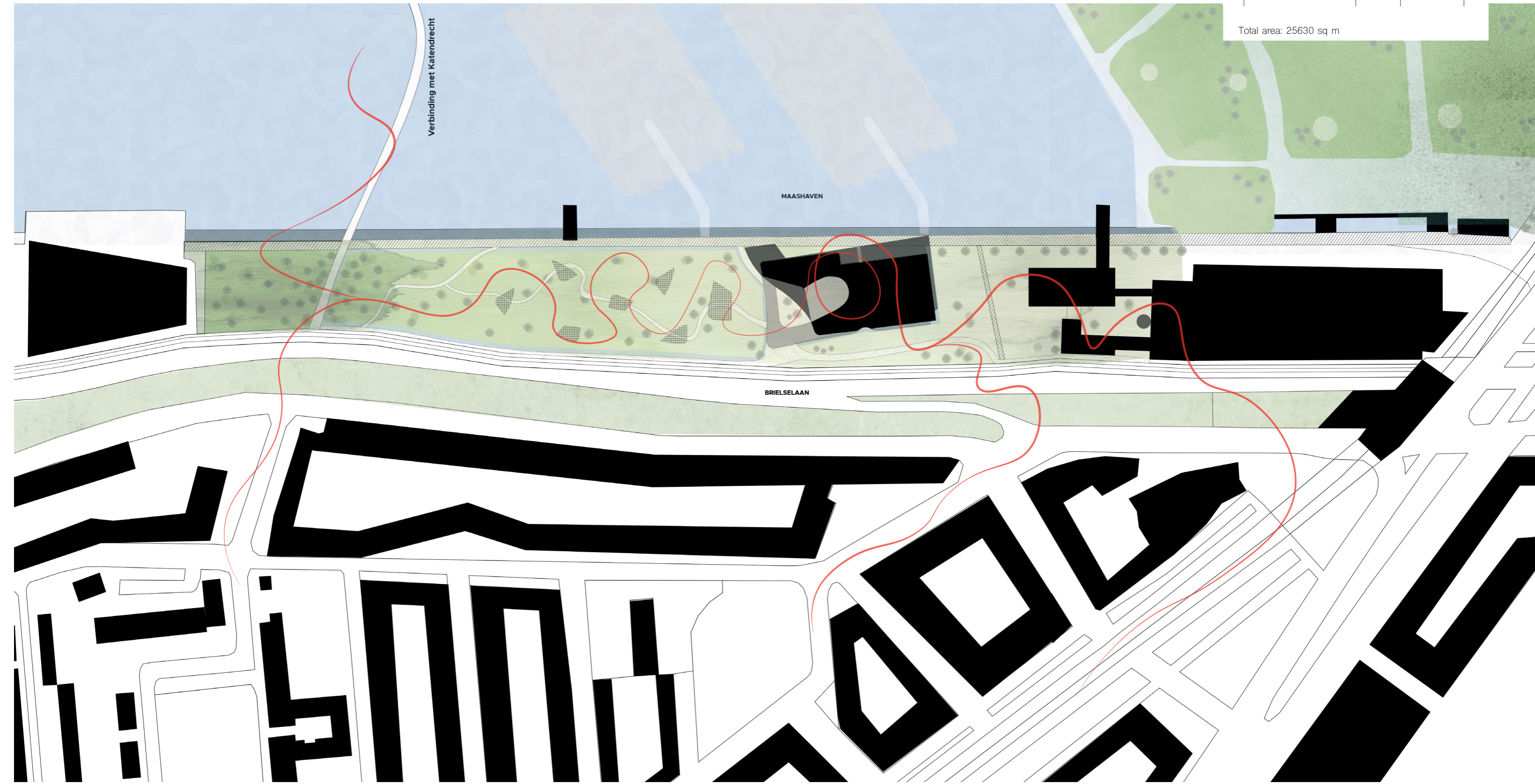


Route entangles the new museum building and the site

SITE PLAN 1:1000



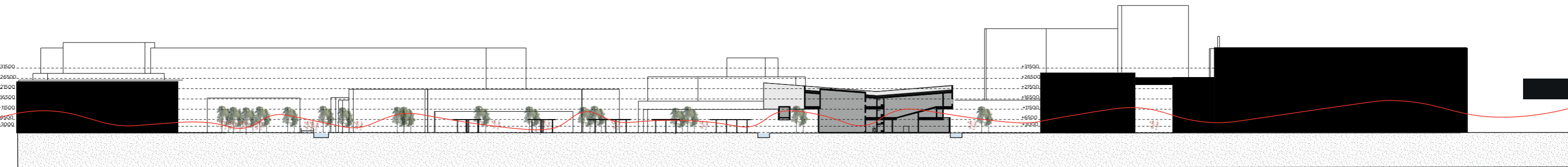
Total area: 25630 sq m



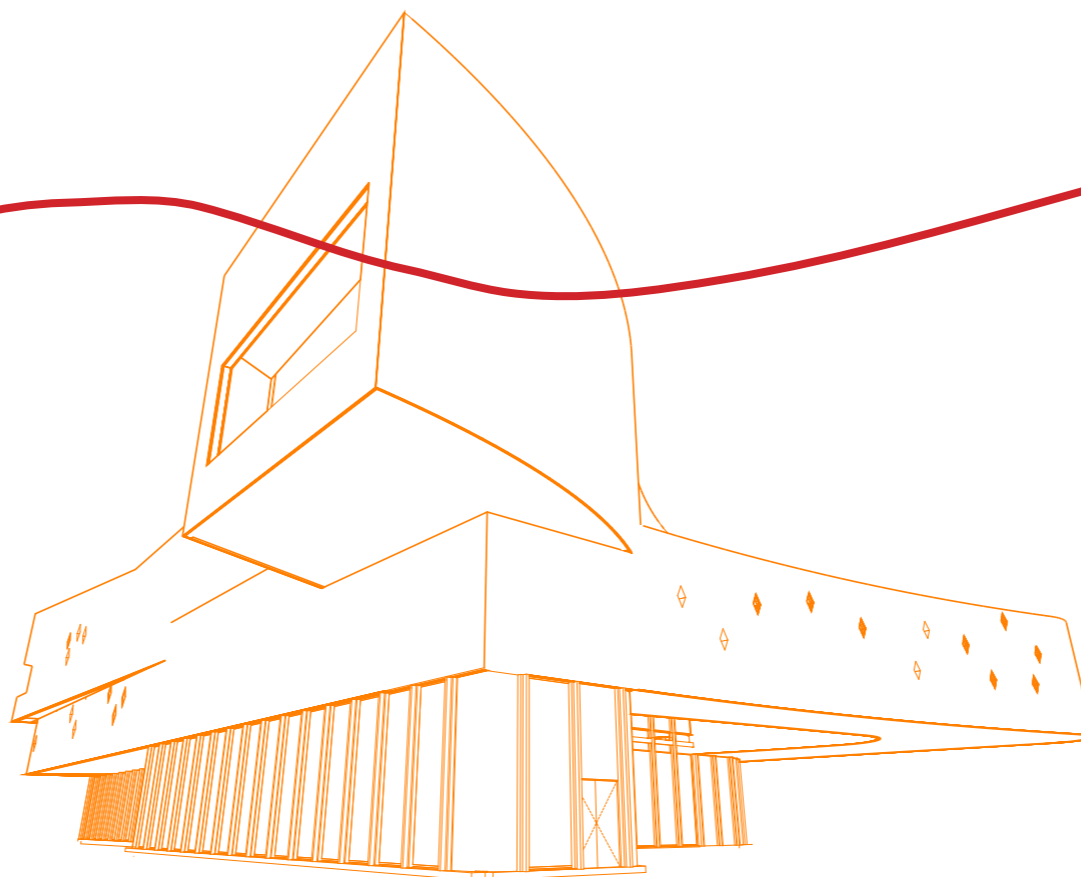
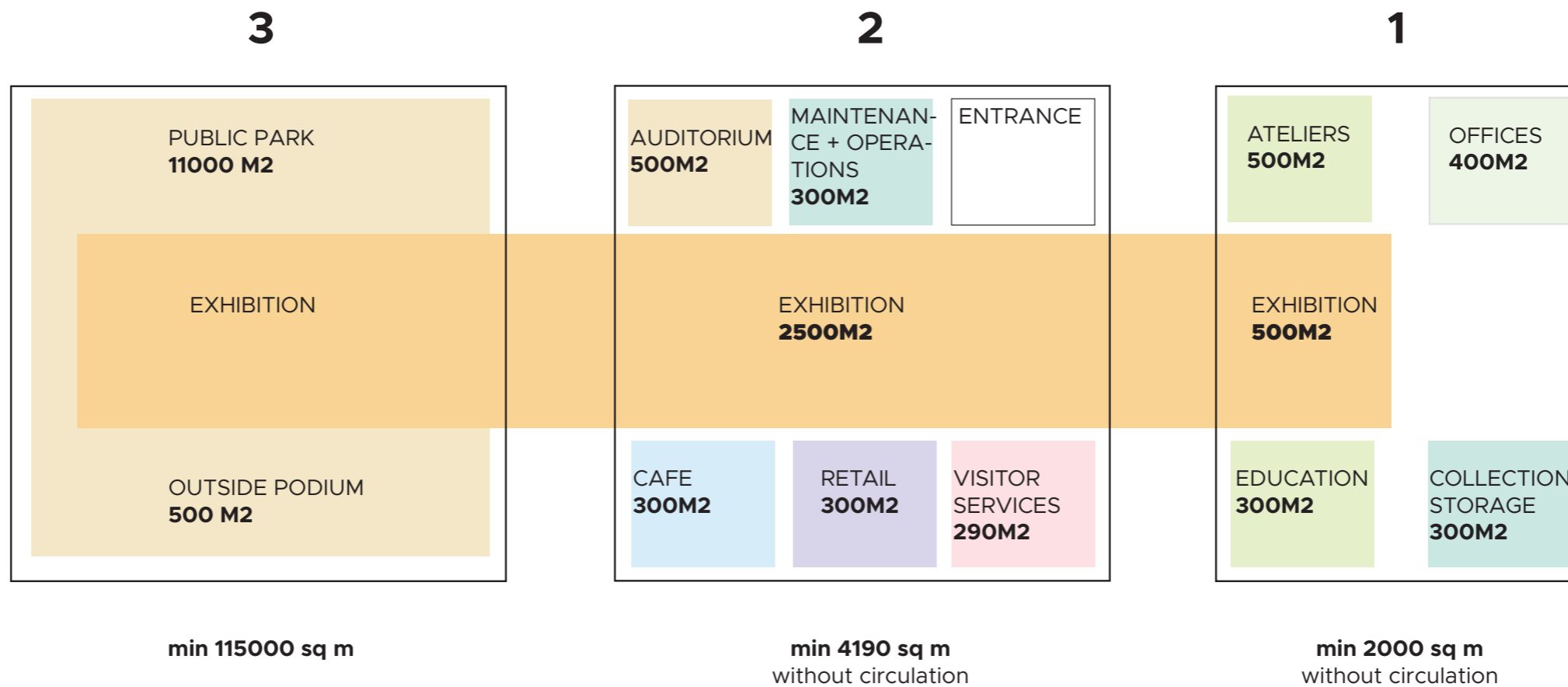
PUBLIC PARK

THE NEW MUSEUM

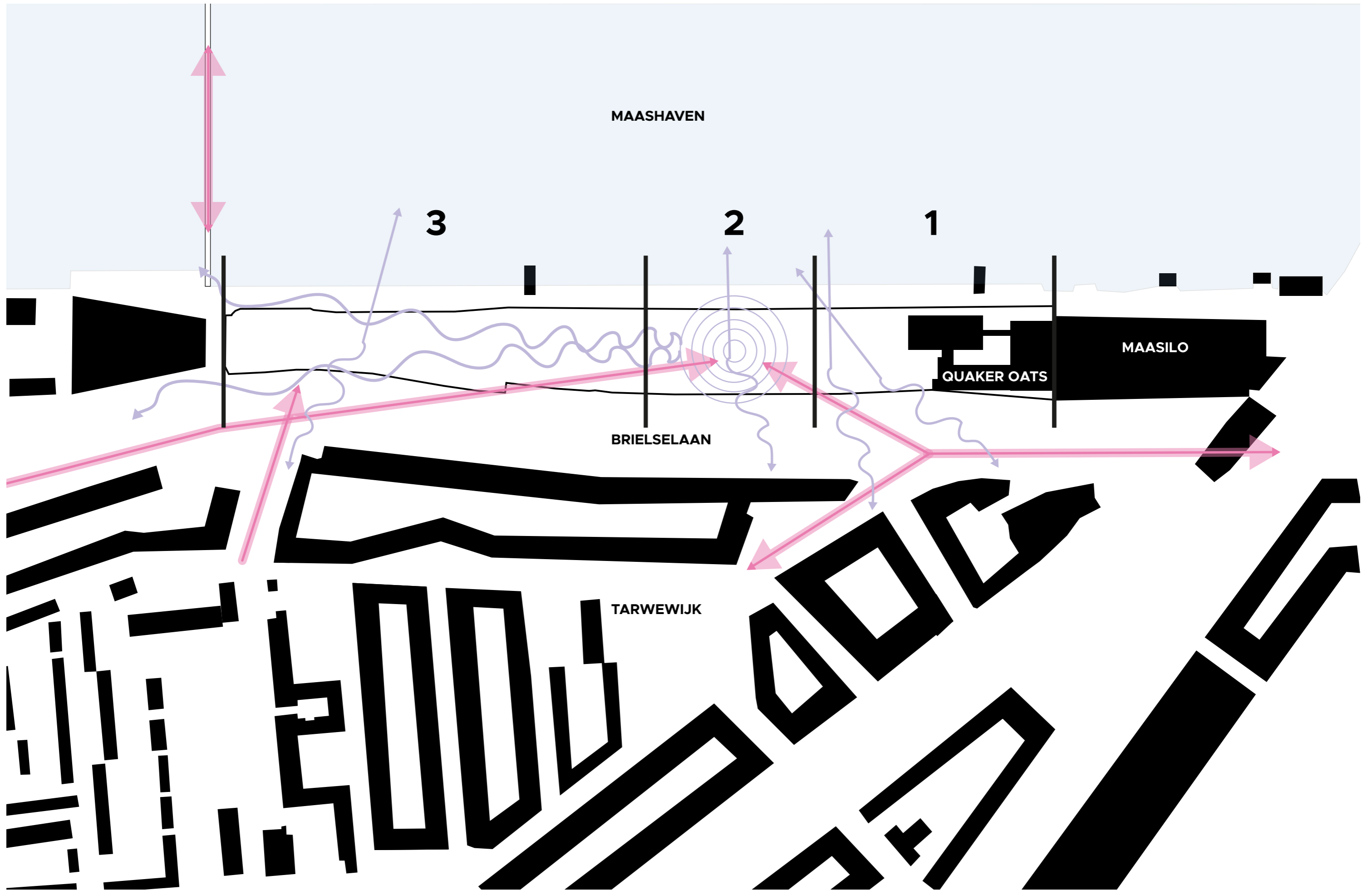
OLD QUAKER OATS COMPLEX

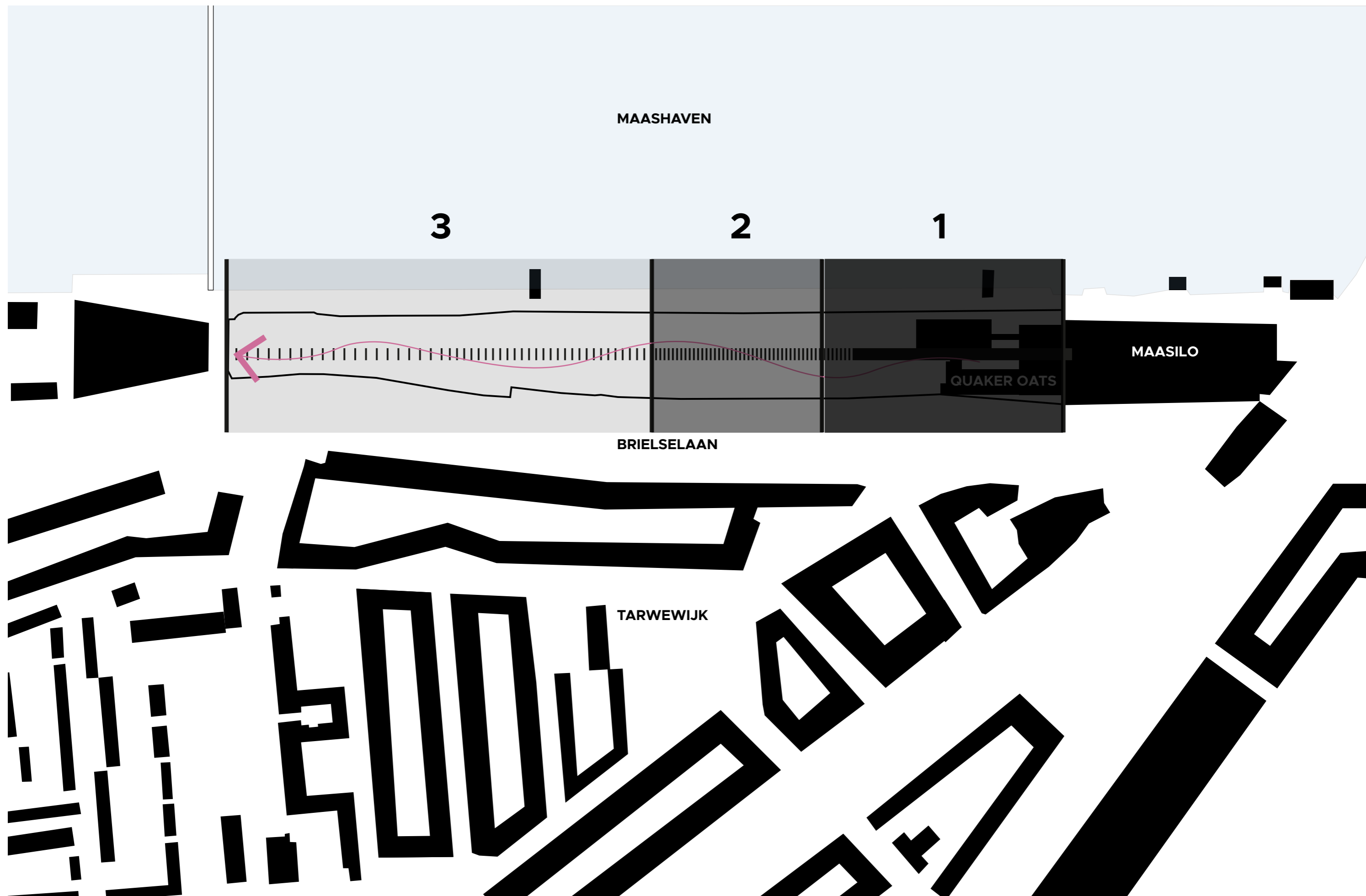


# FRAGMENTATION

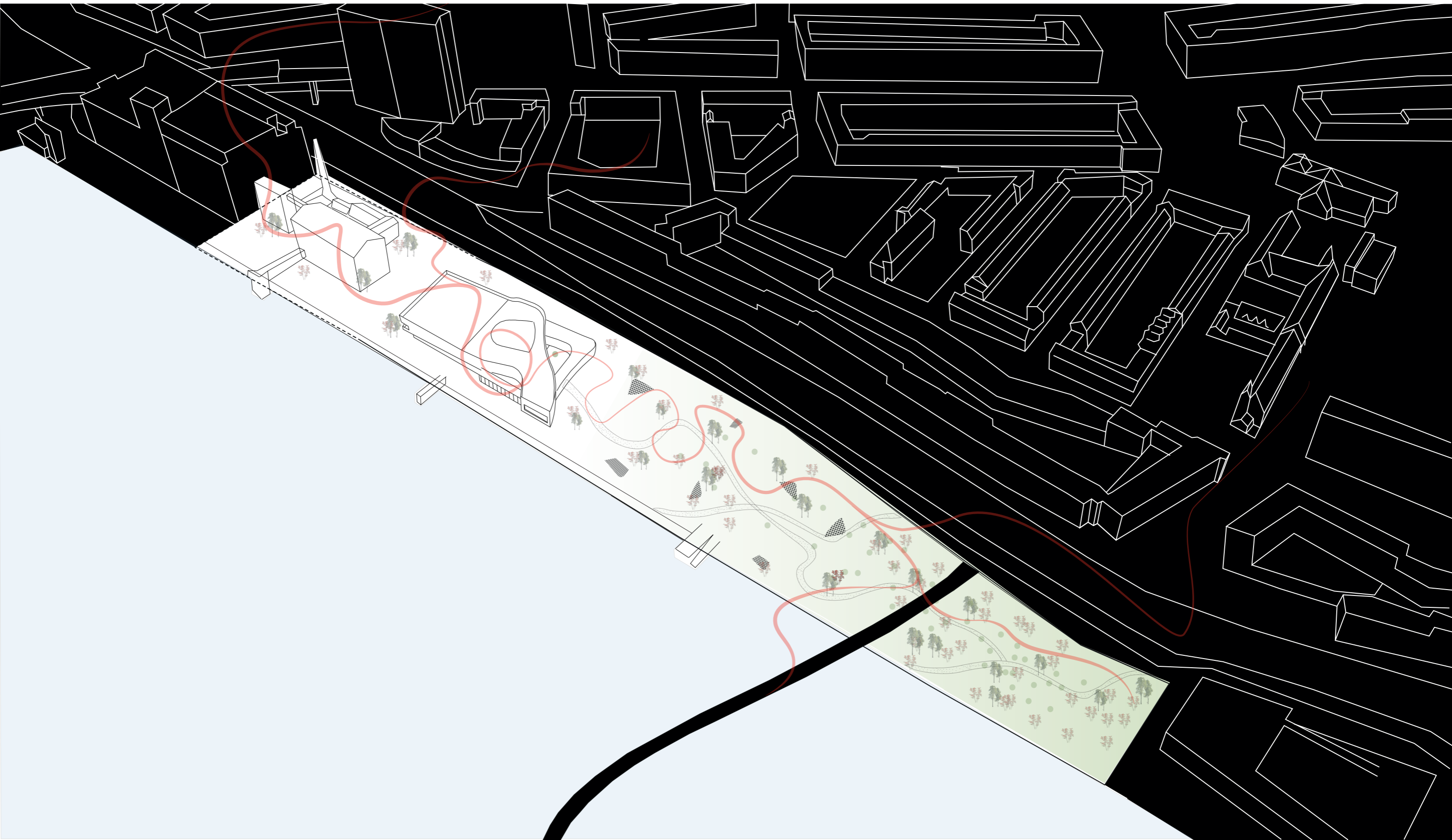


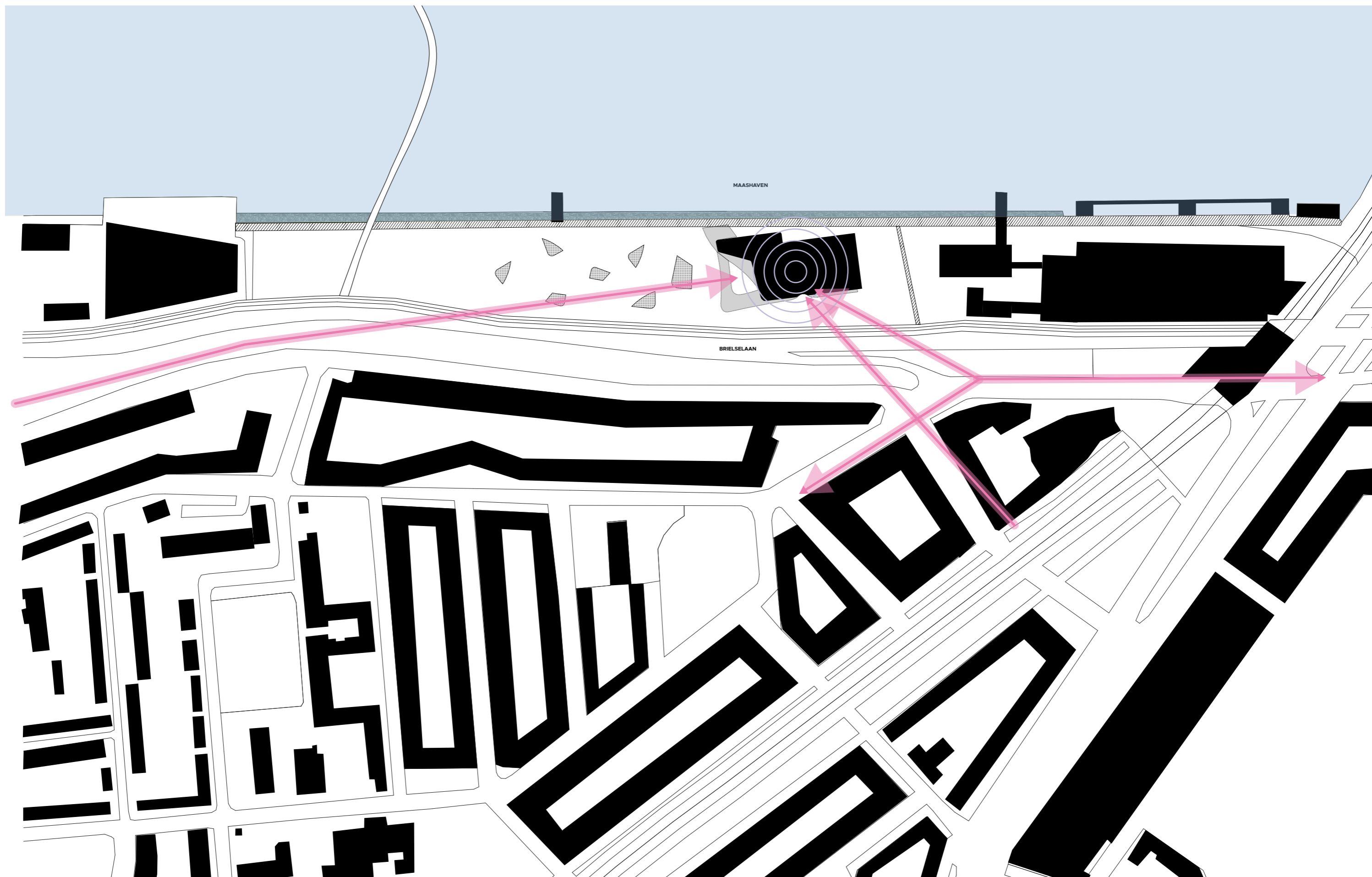






# ENTANGLED





SCULPTURE



ENTANGLEMENT OF THE PARK AND BUILDING



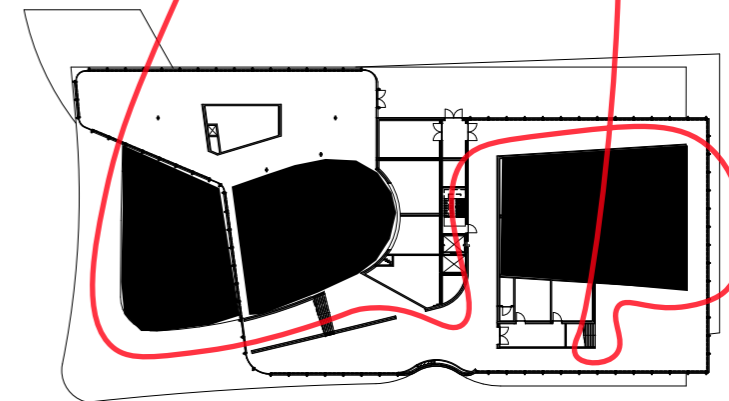
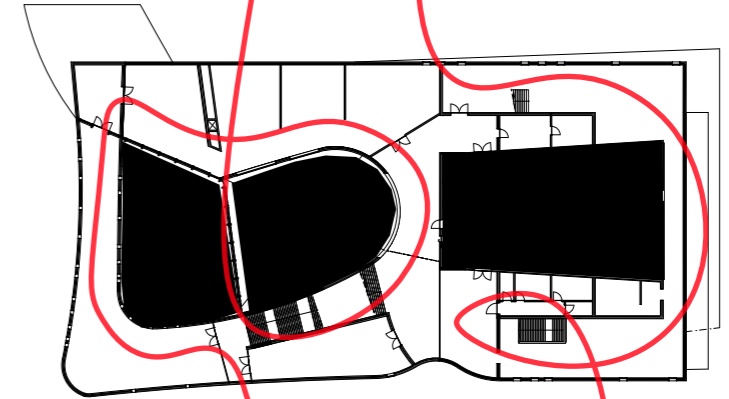
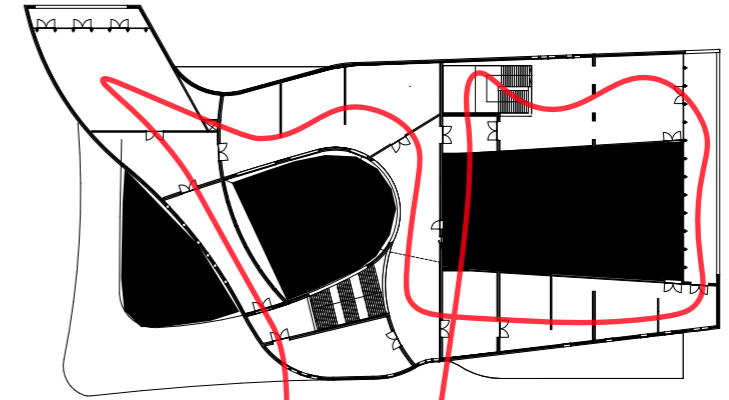
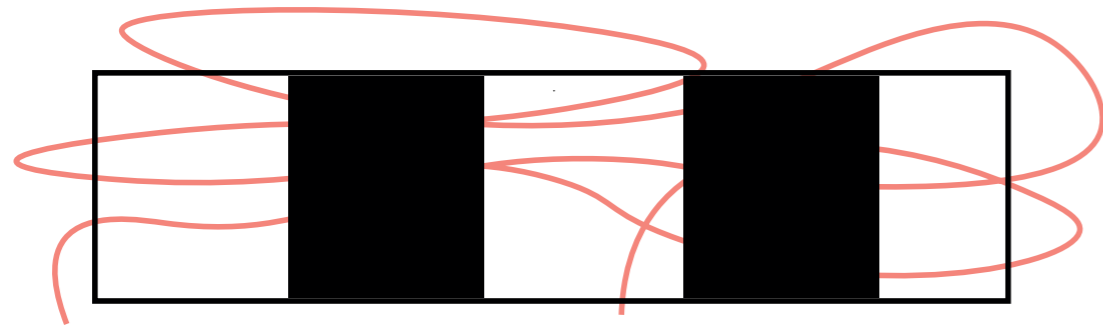
## BUILDING CONCEPT

### ROUTING LEADS VISITOR

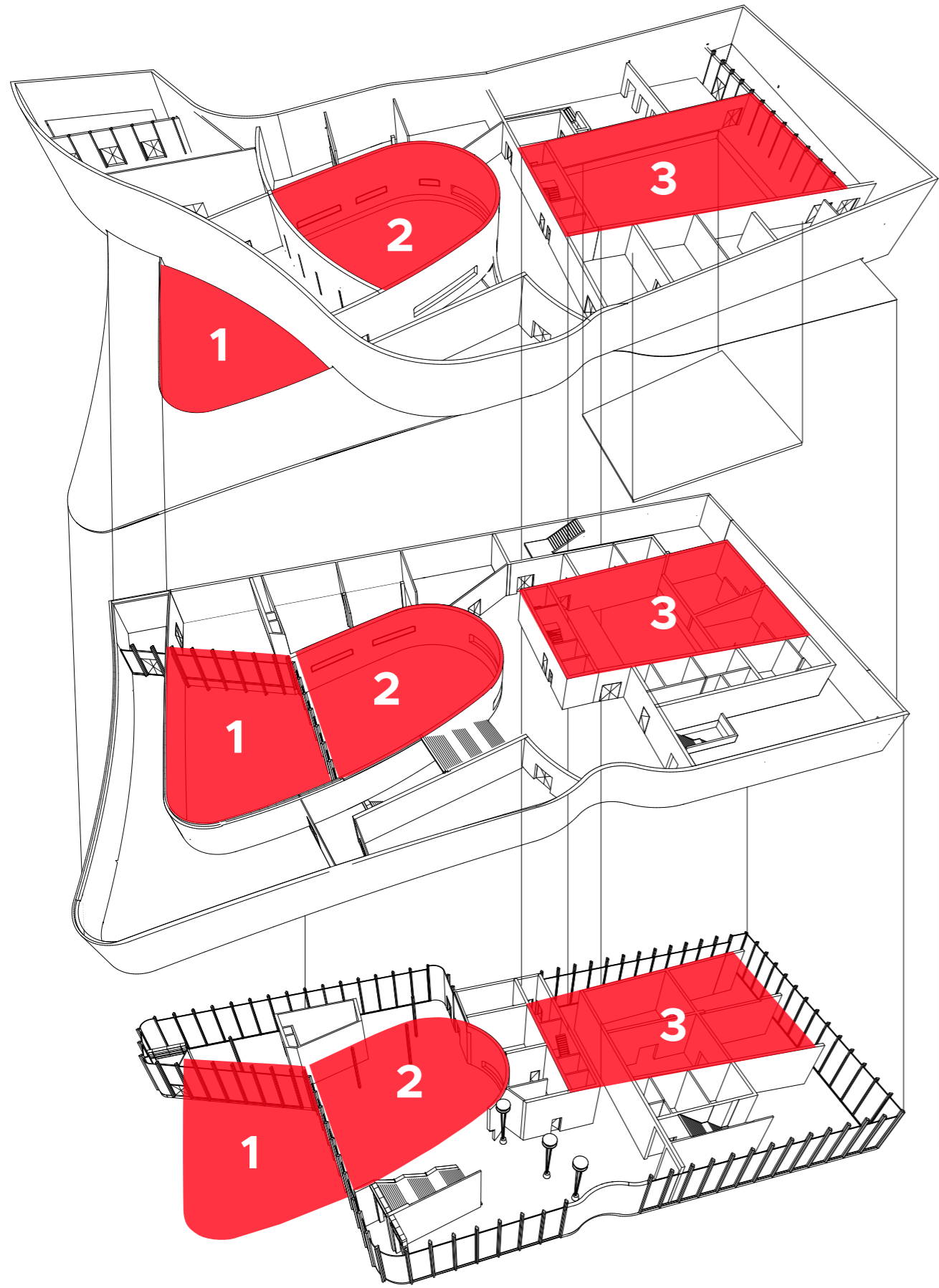
Through the exhibitions  
Linear route in the museum  
Include visually handicapped people

### ENTANGLE

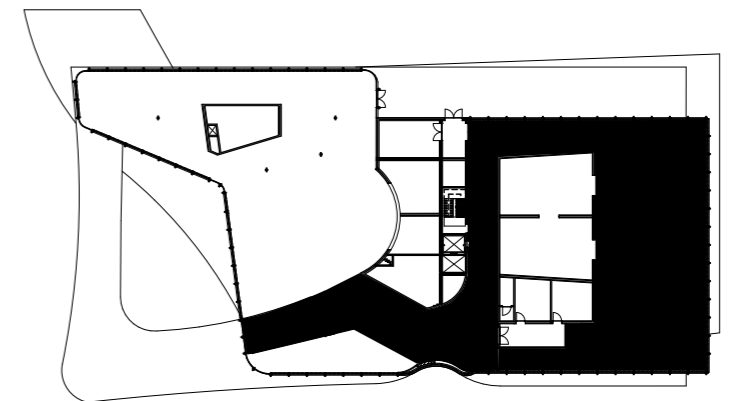
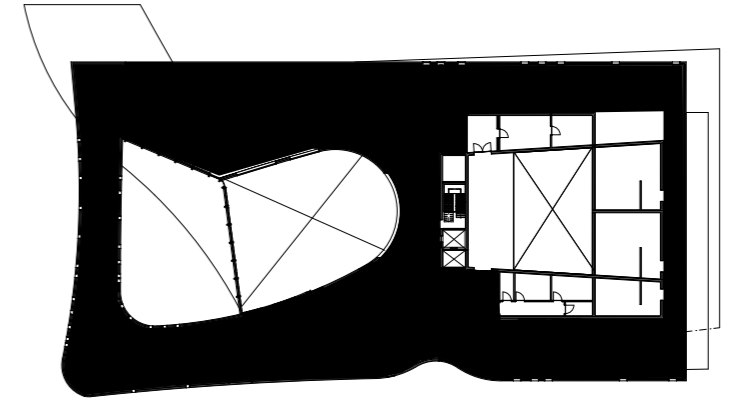
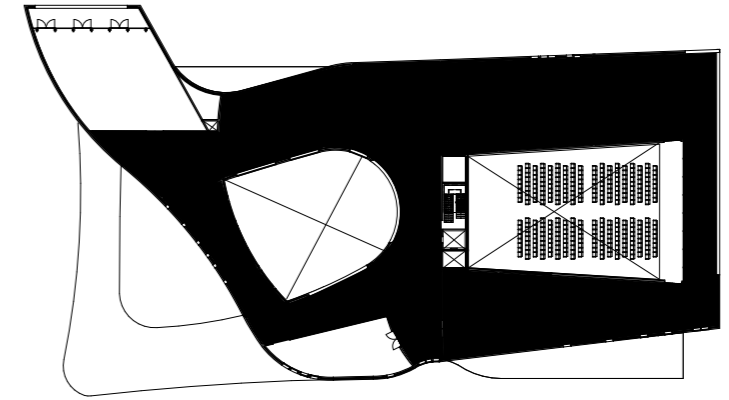
Exhibition and circulation space  
Functions around three cores



leading route around cores

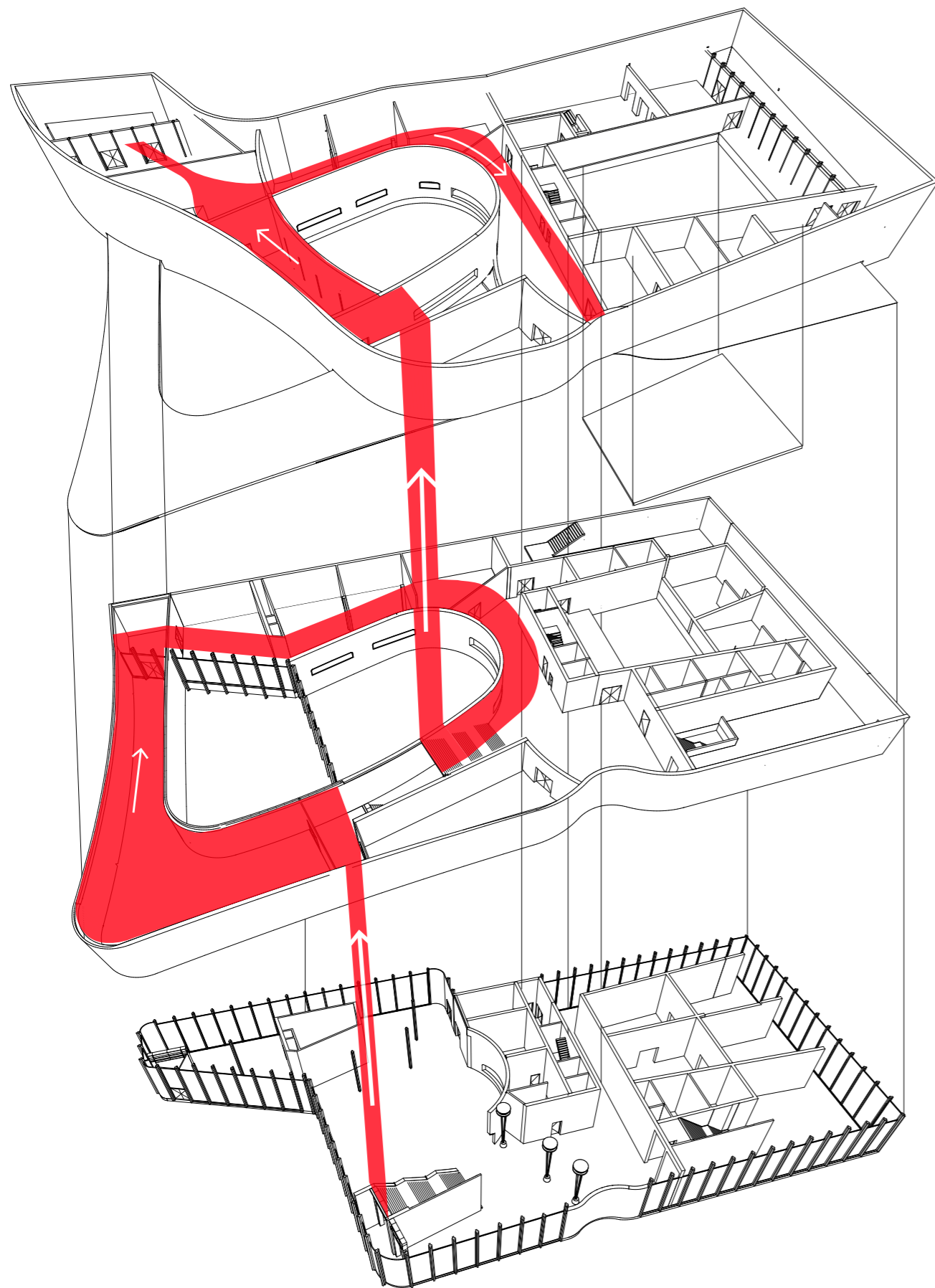


entangled circulation & exhibition

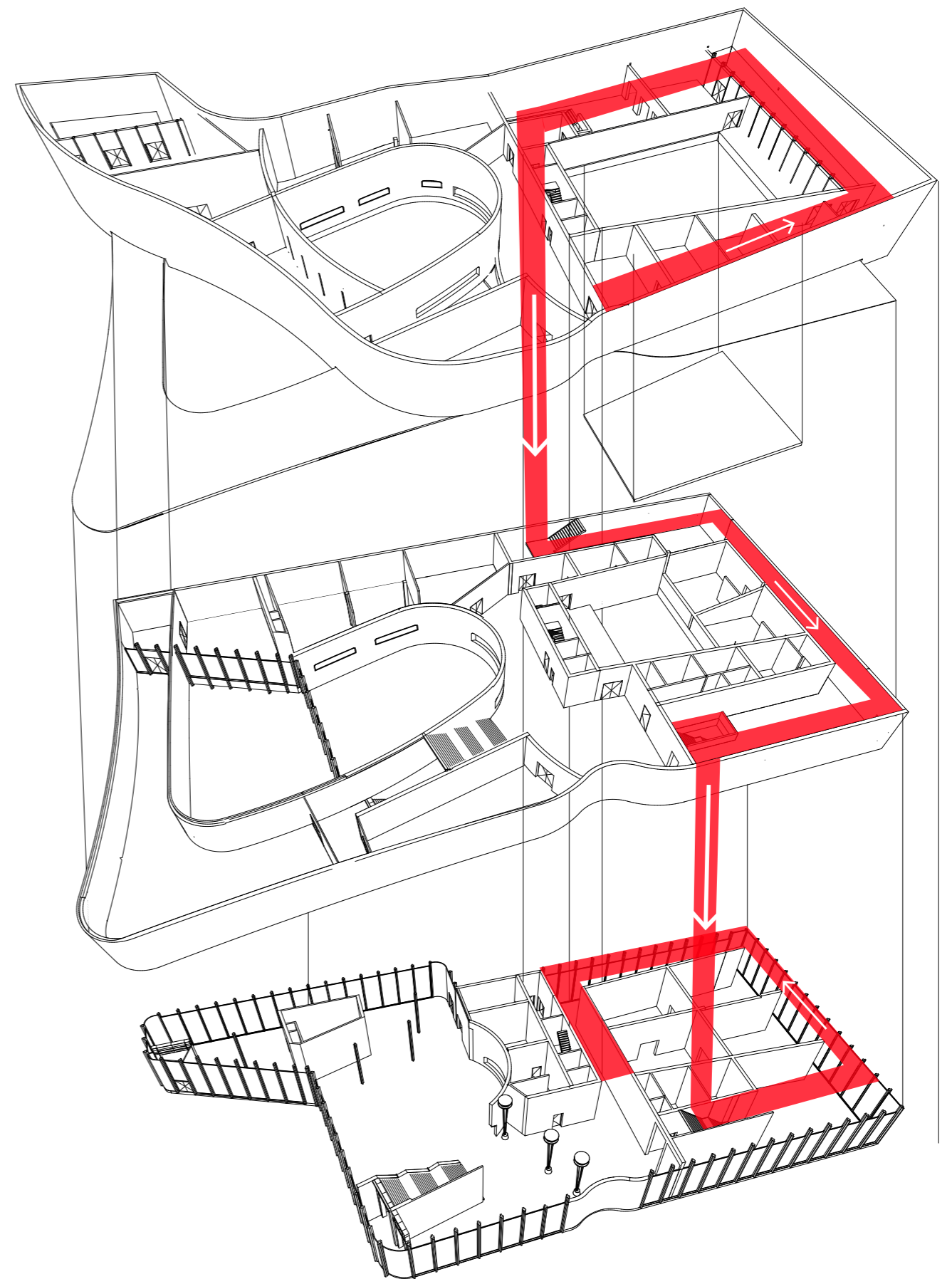




way up!



way down!







ON OUR WAY TO ...



ON OUR WAY TO ...



ENTRANCE AREA



ENTRANCE HALL

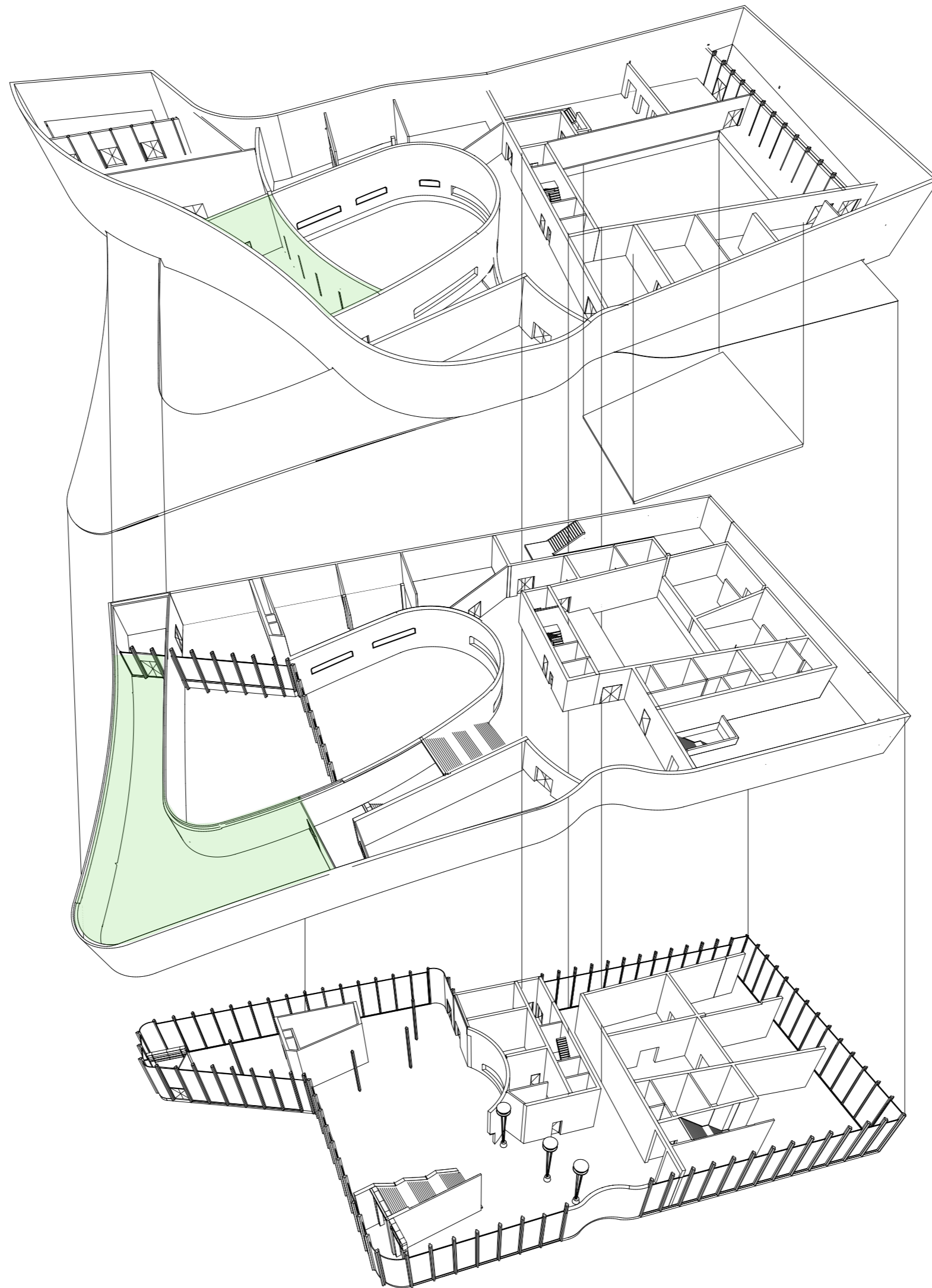


ENTRANCE HALL

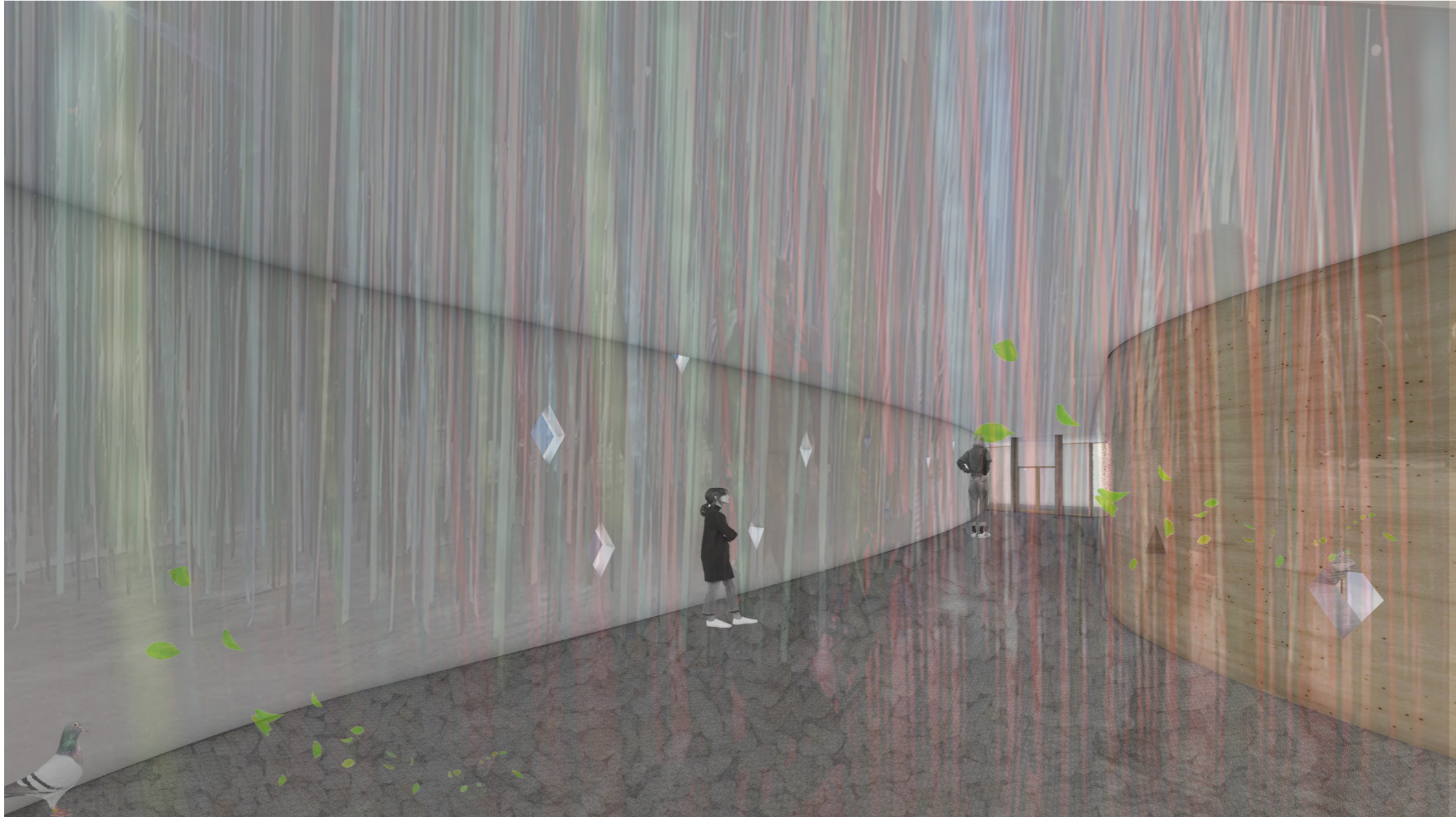




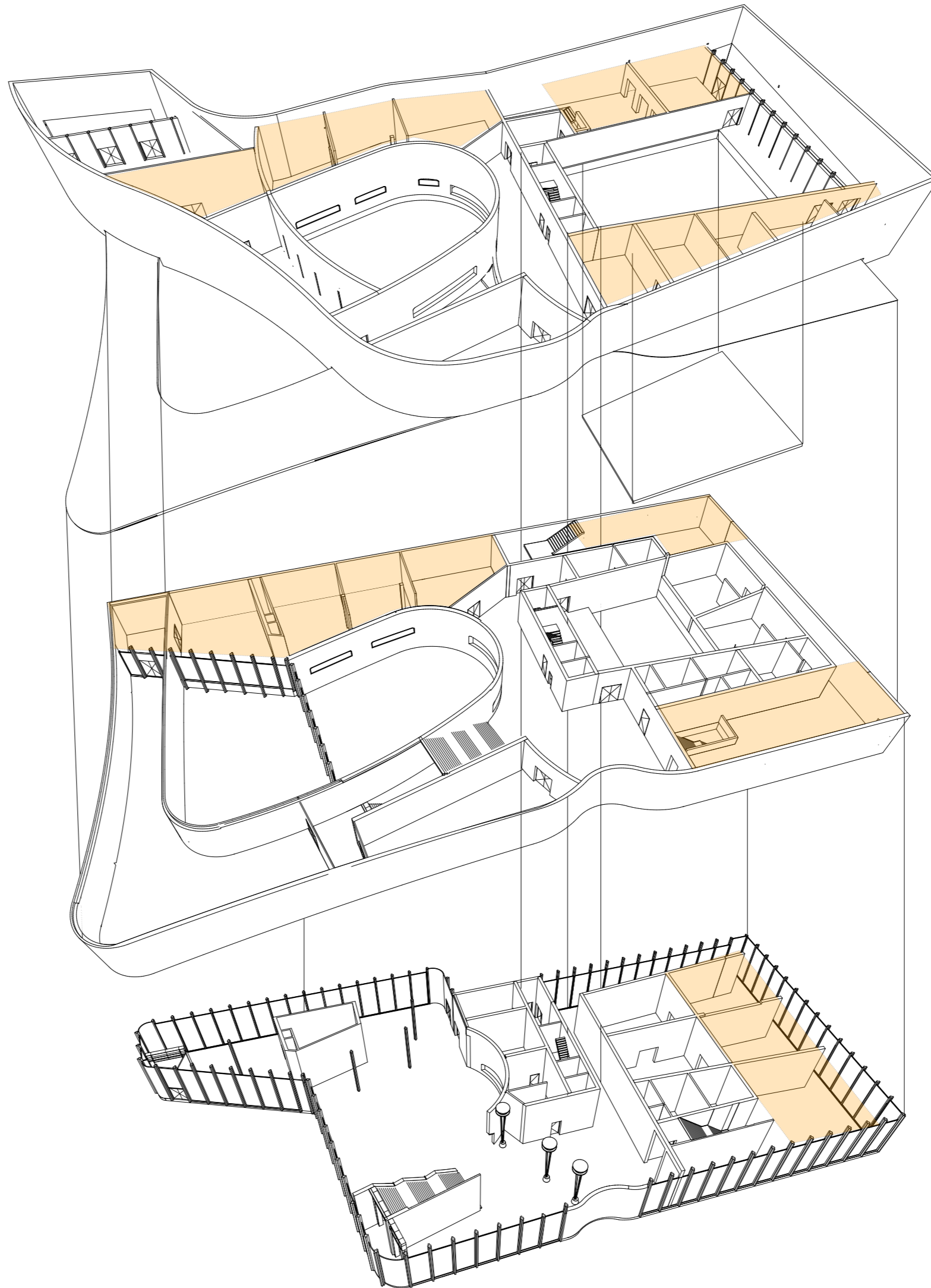
TUBE - outside climate



TUBE - outside climate

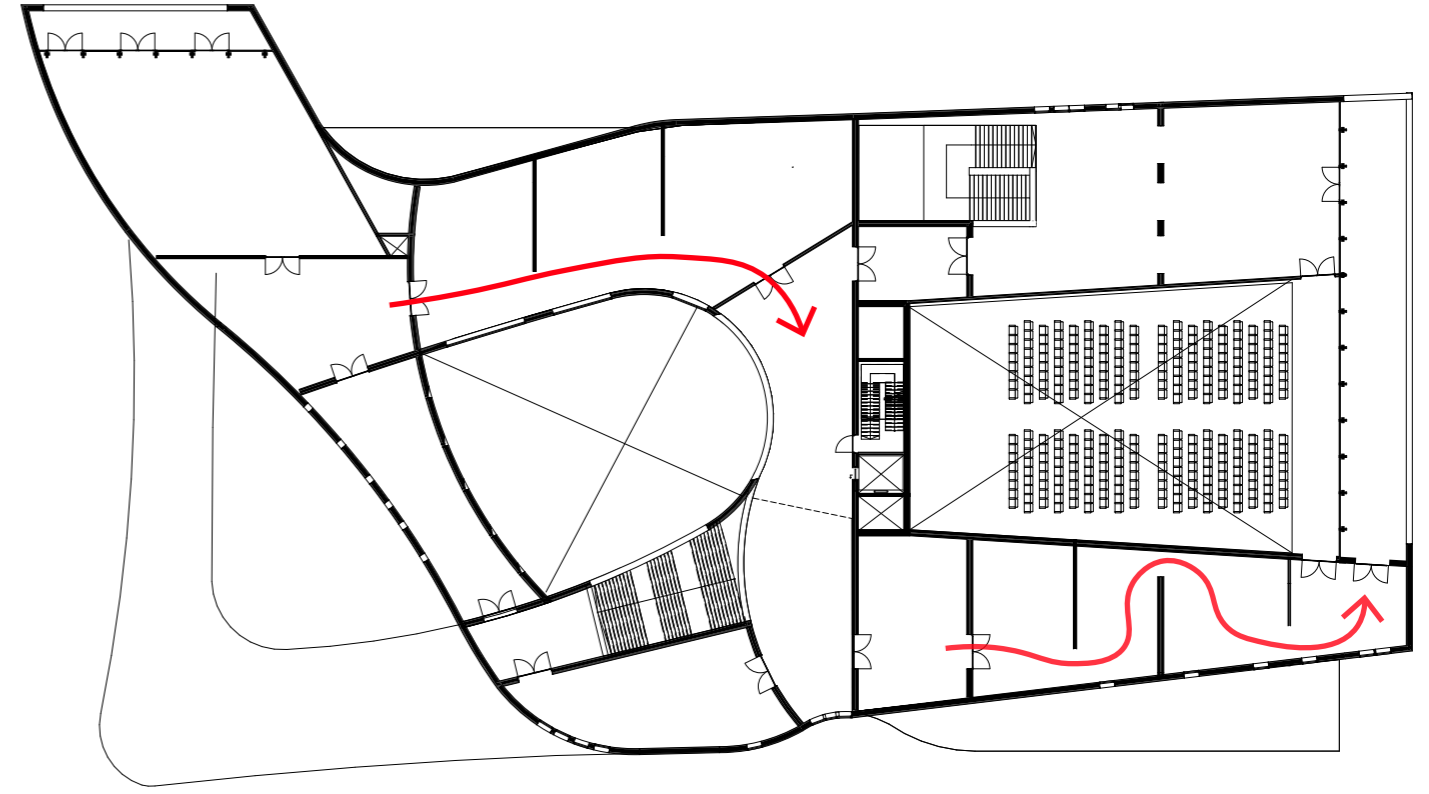
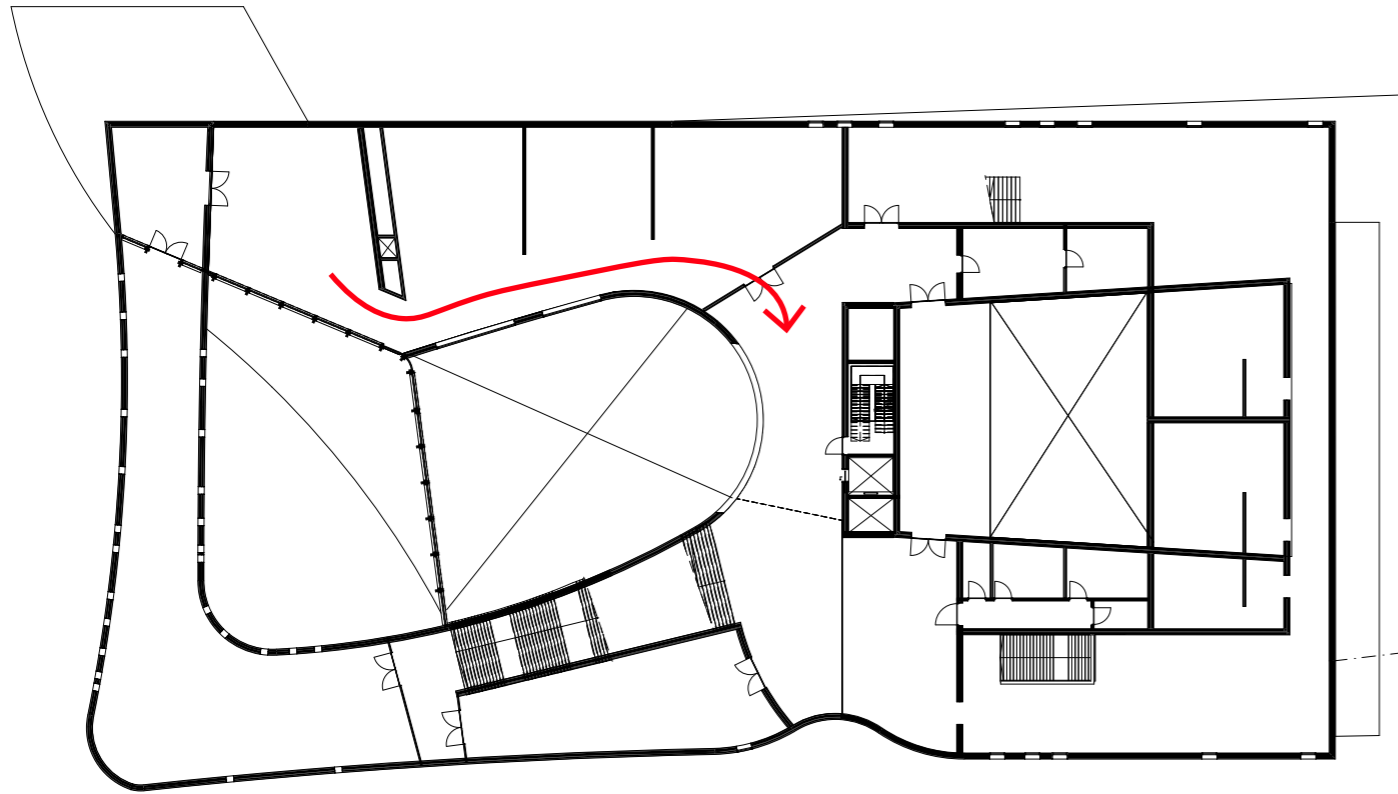


**FLEXIBLE SPACES**



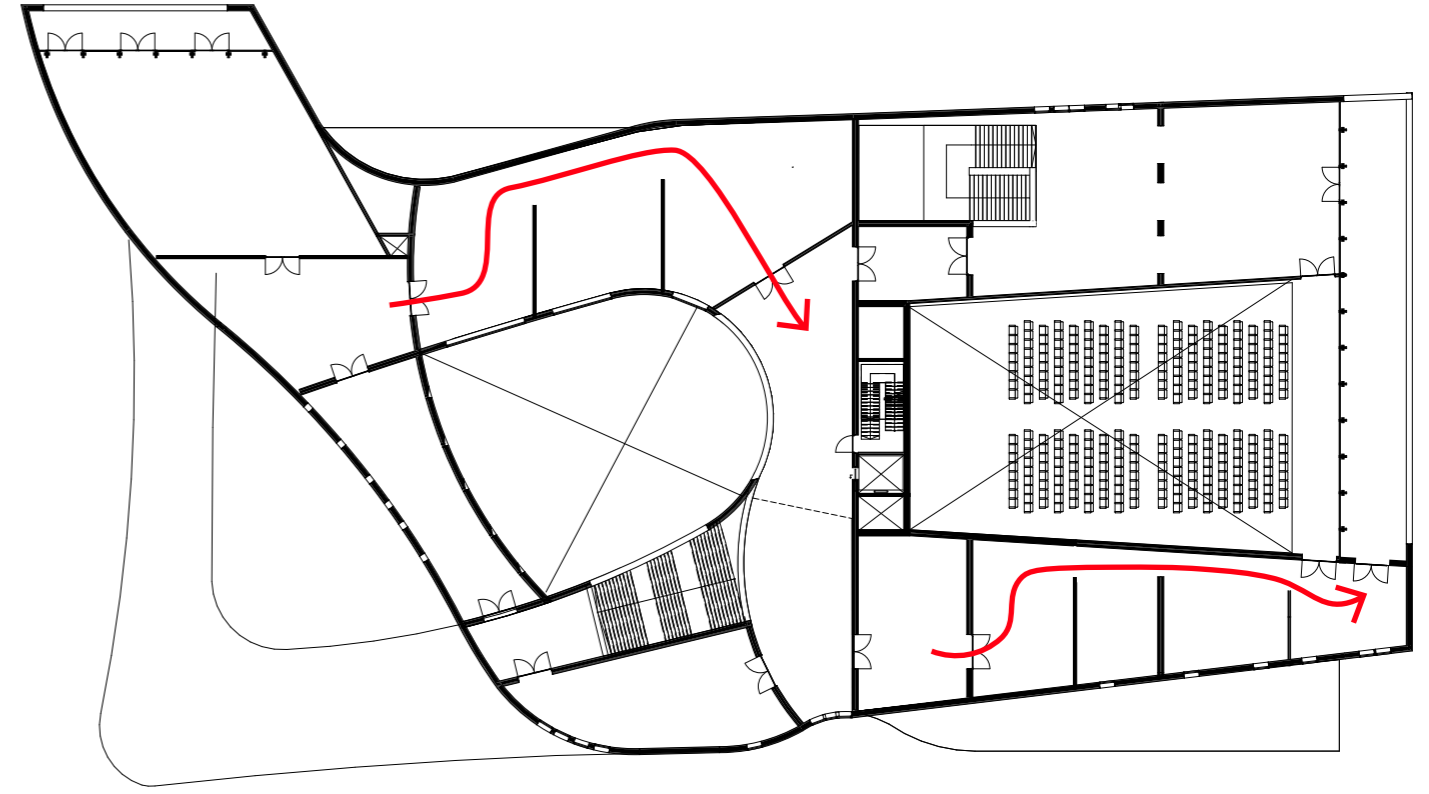
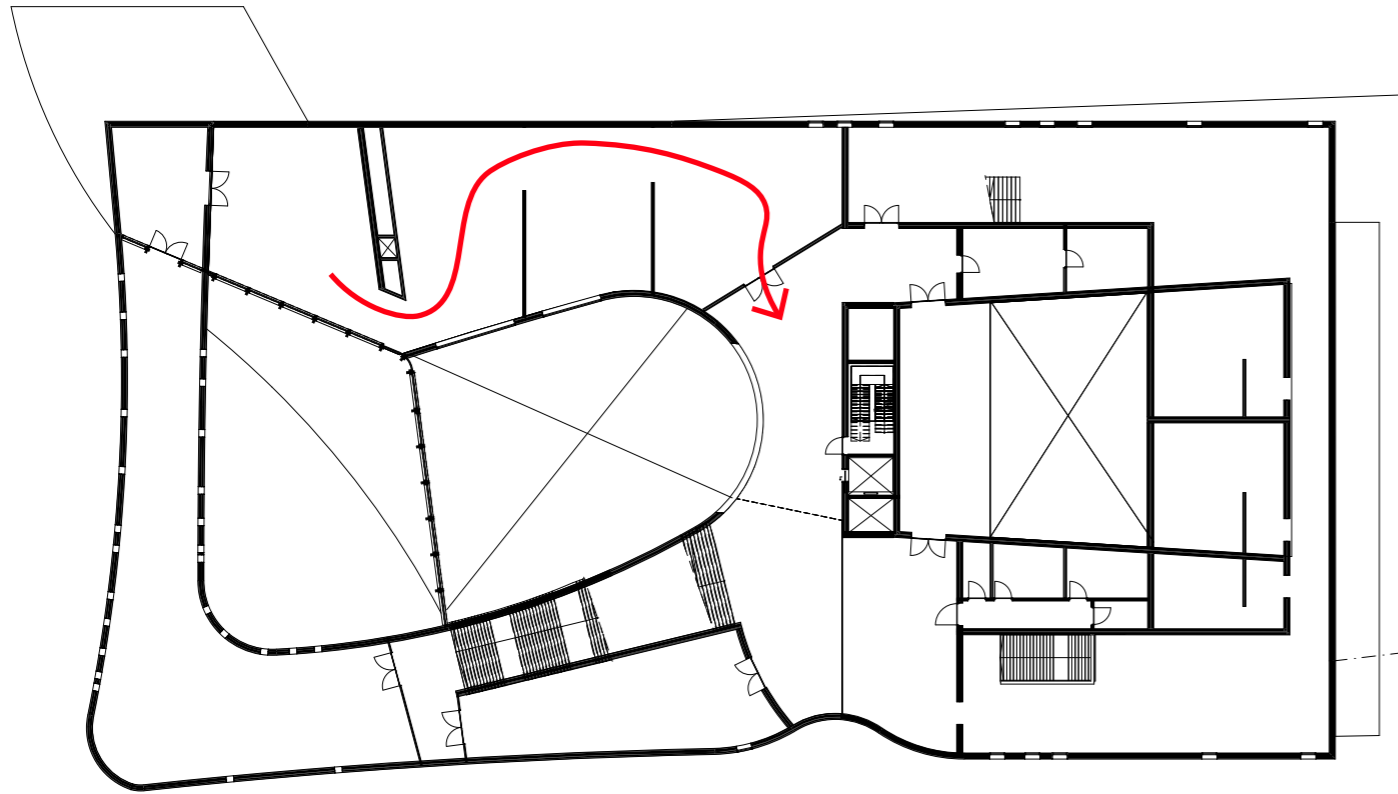
# FLEXIBLE SPACES

Semi open - removable walls



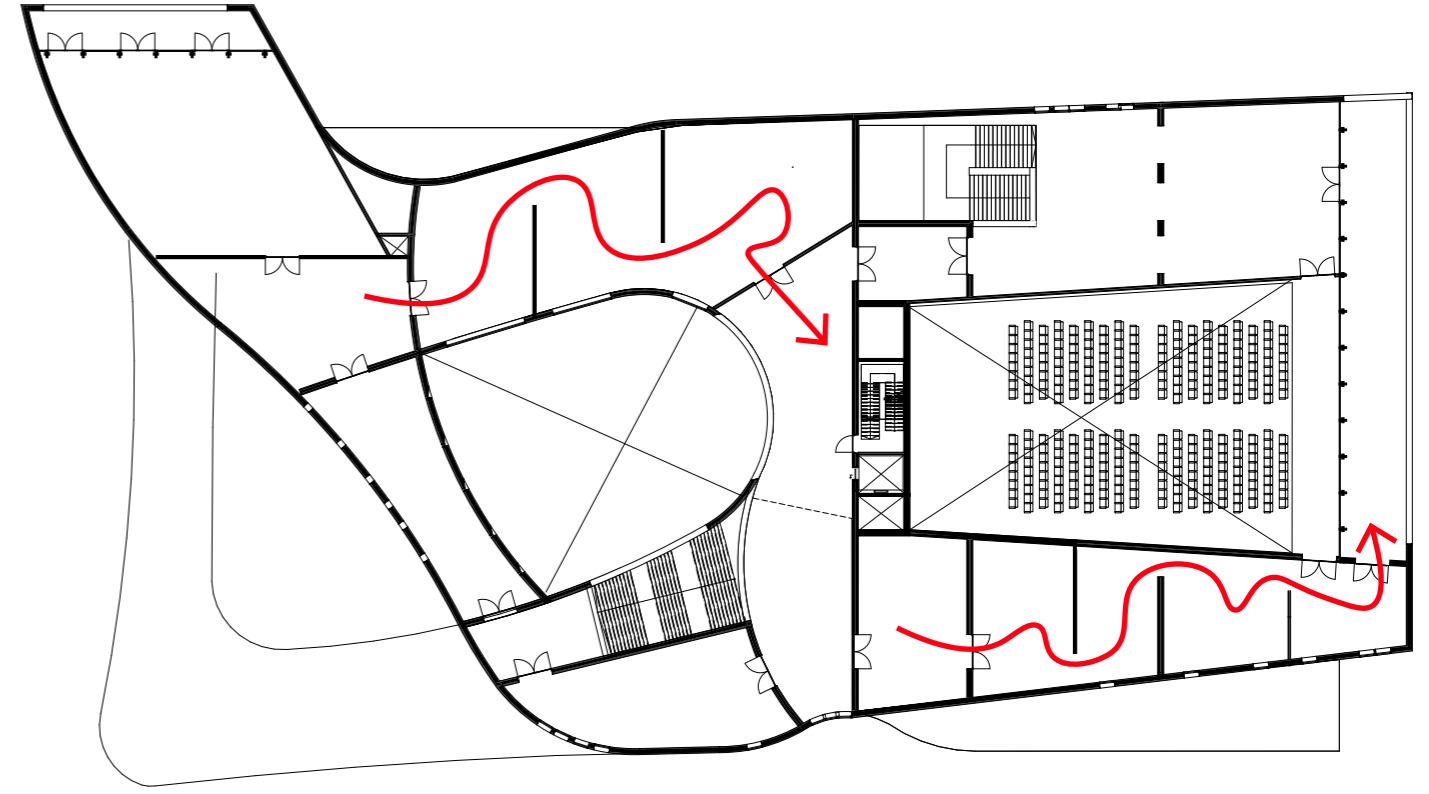
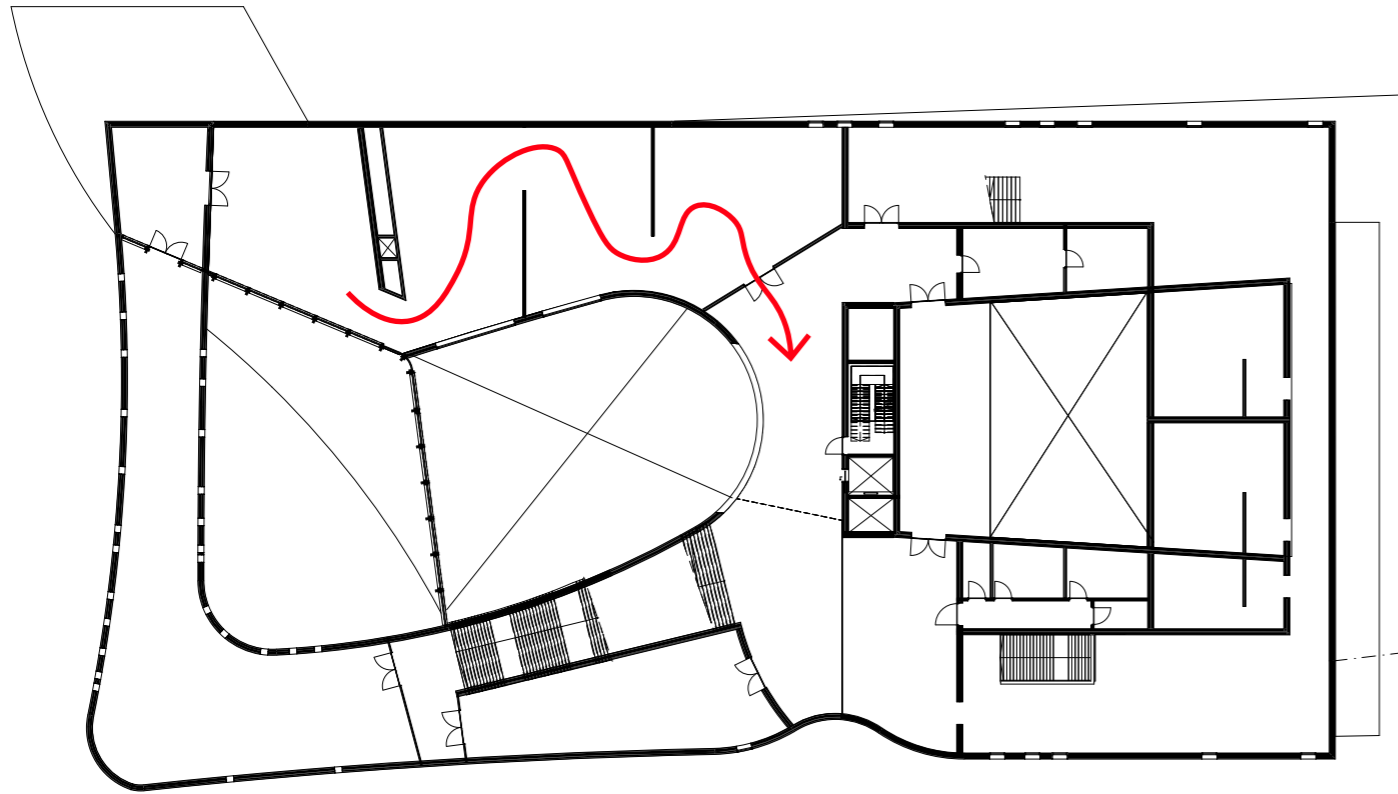
# FLEXIBLE SPACES

Semi open - removable walls



# FLEXIBLE SPACES

Semi open - removable walls



## FLEXIBLE SPACES

Semi open - removable walls

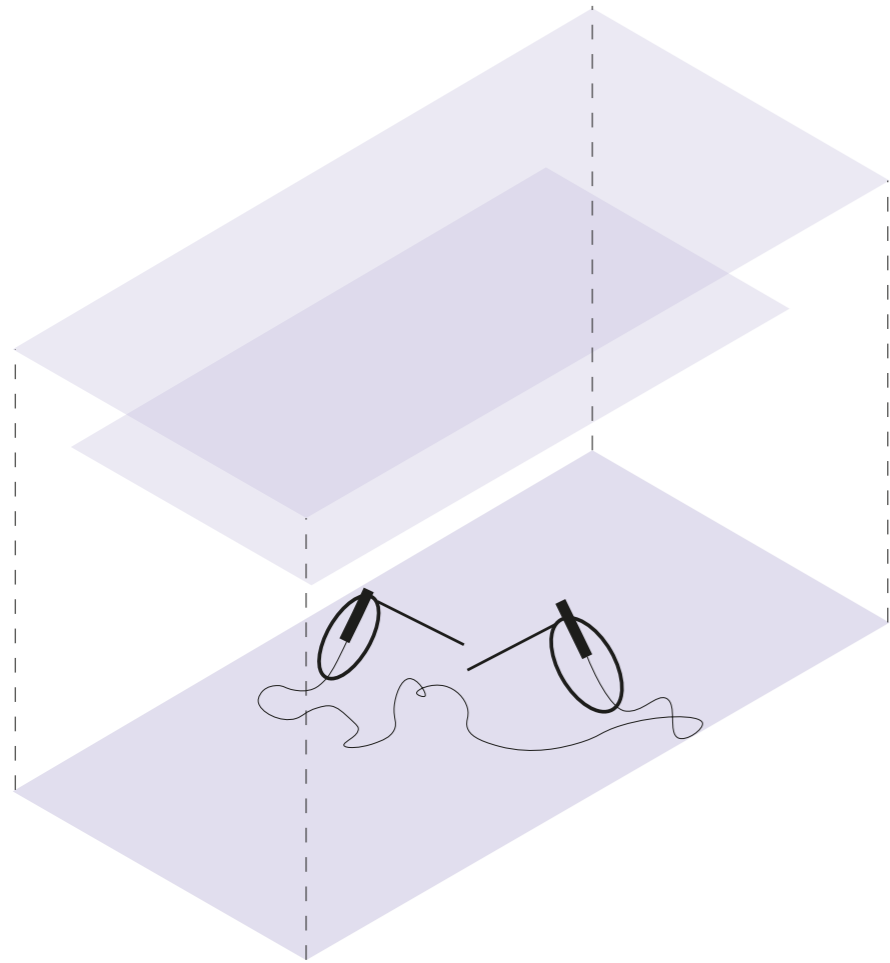


Semi open - sequence of spaces





# SYNESTHETIC ART DISPLAY



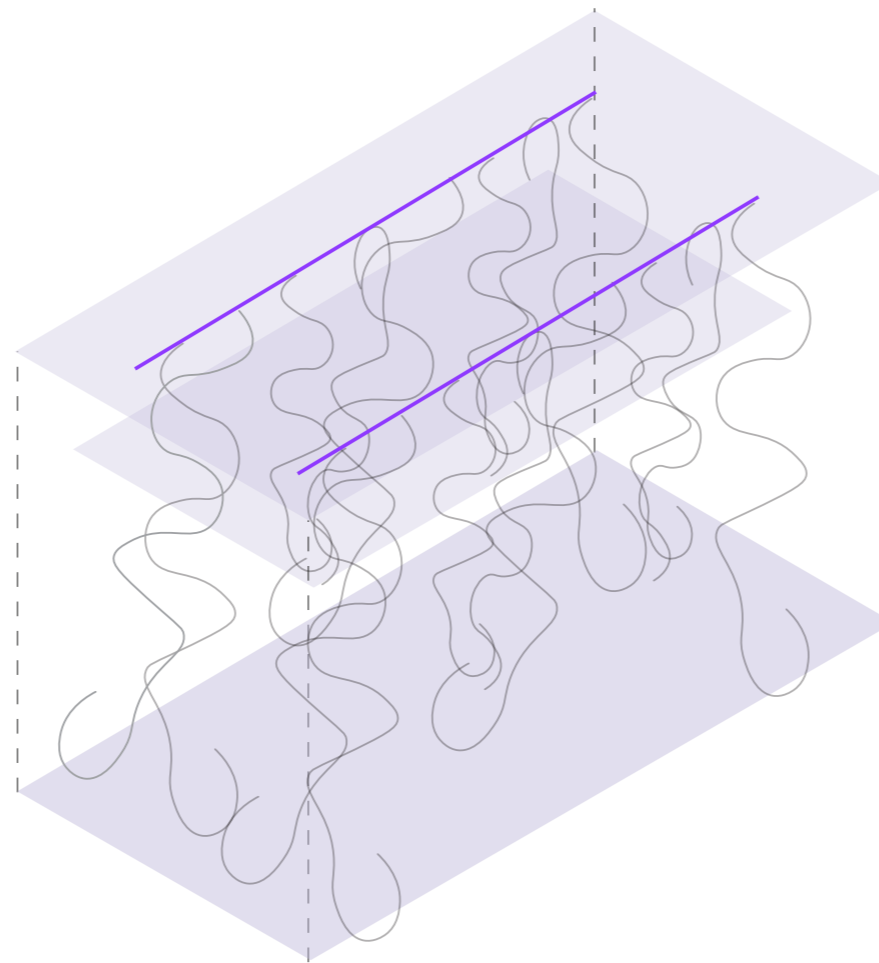
Method of display

**Medium**

Installations

**Description**

Adapted to exhibition space  
Directly on the ground



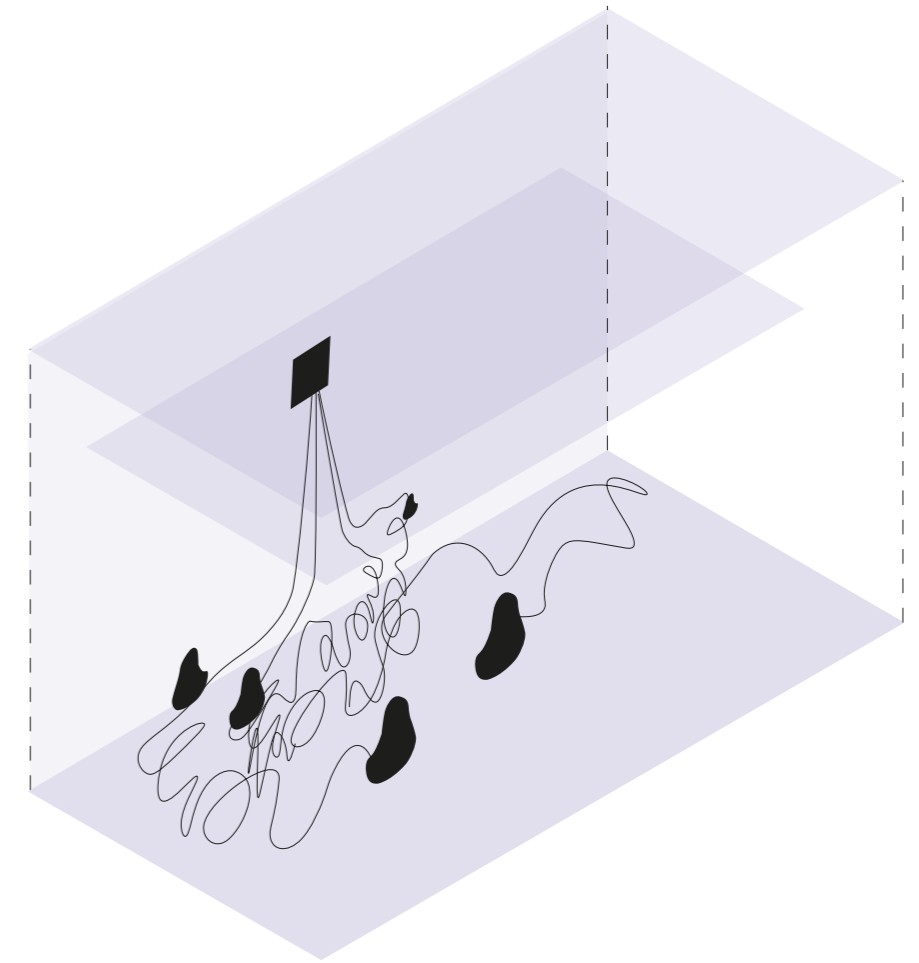
Method of display

**Medium**

Installations

**Description**

Adapted to exhibition space  
Hanging on rails



Method of display

**Medium**

Installations

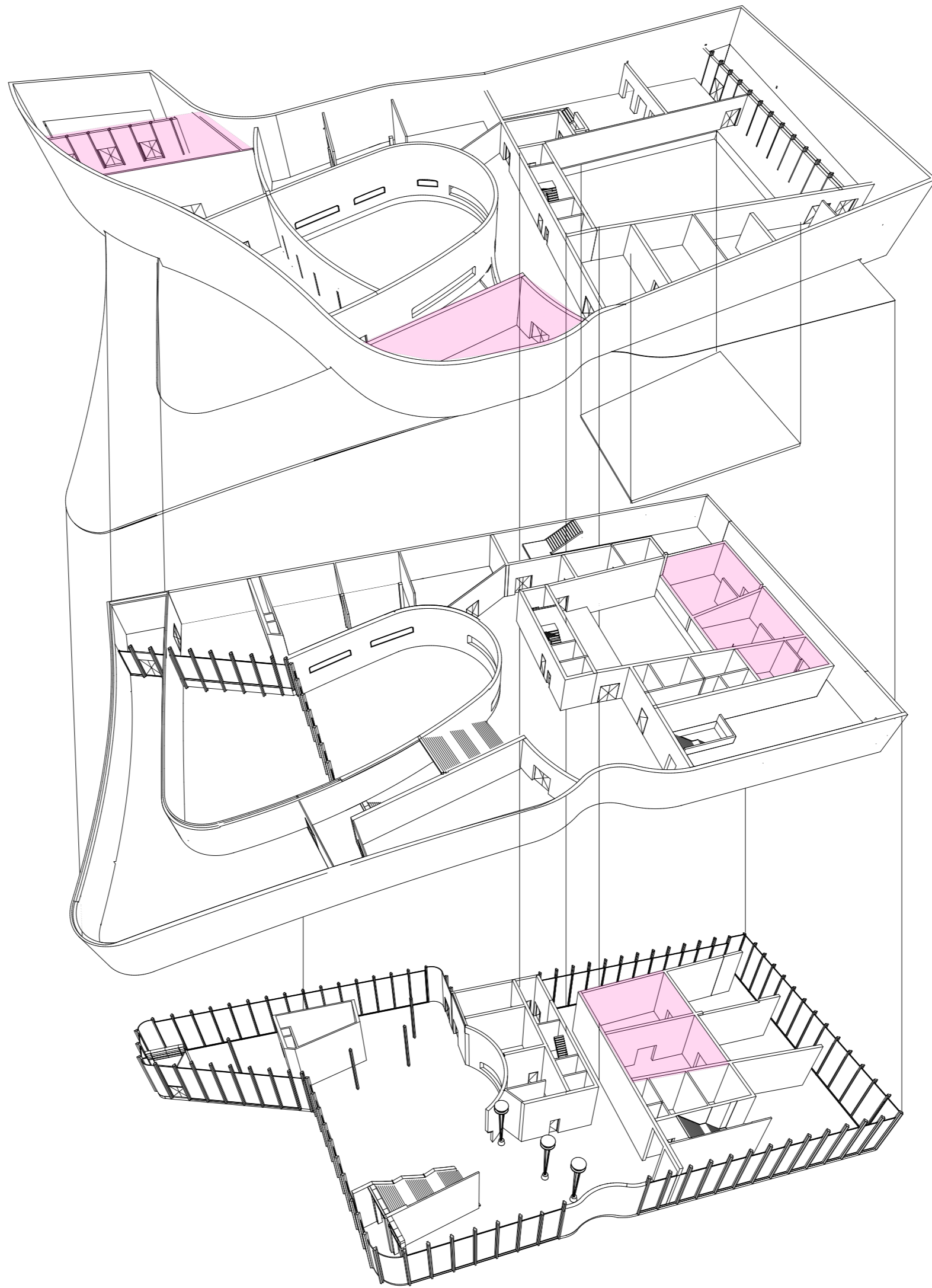
**Description**

Adapted to exhibition space  
Directly on the ground and wall

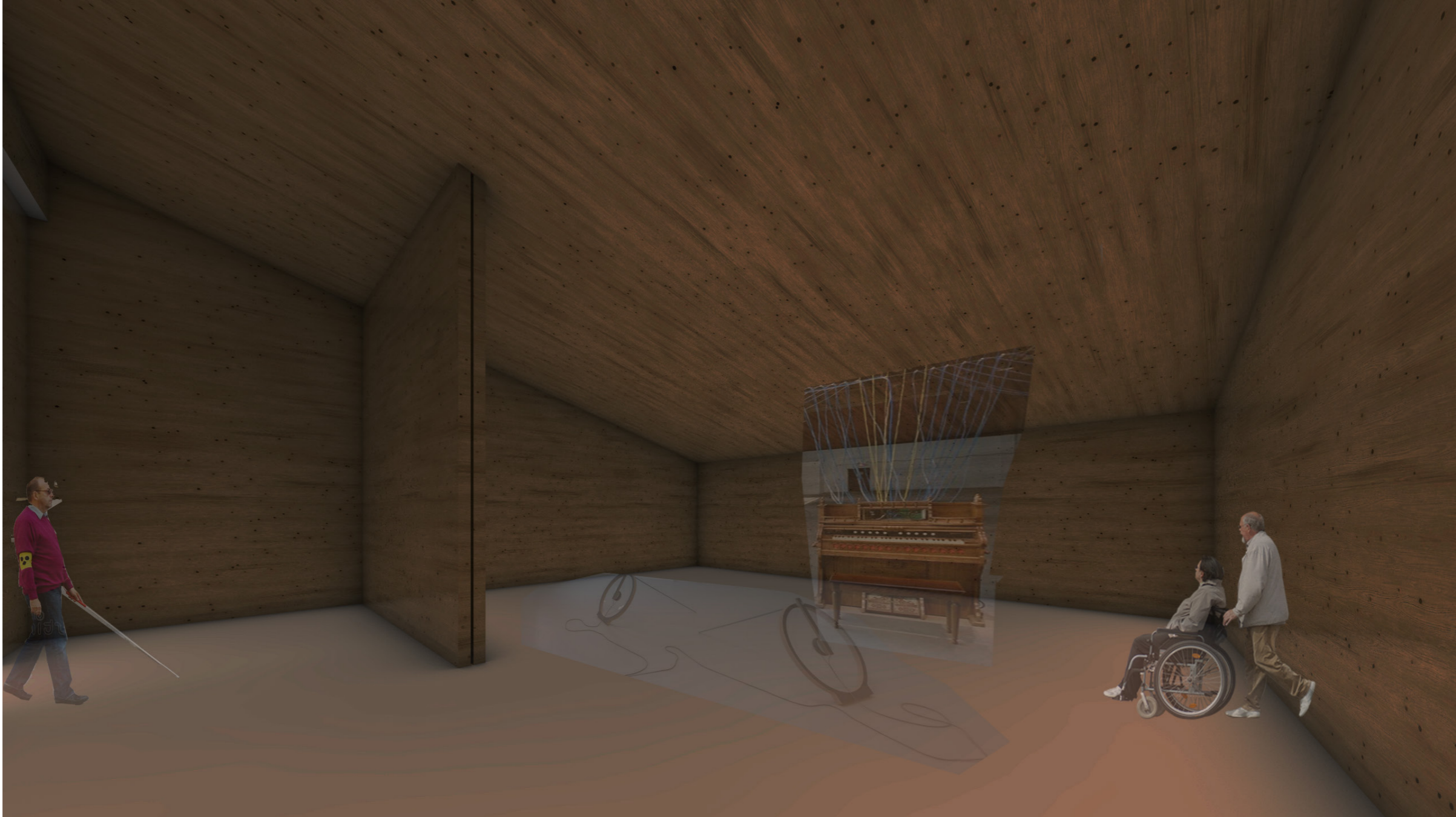
CORRIDOR



THE CABINETS

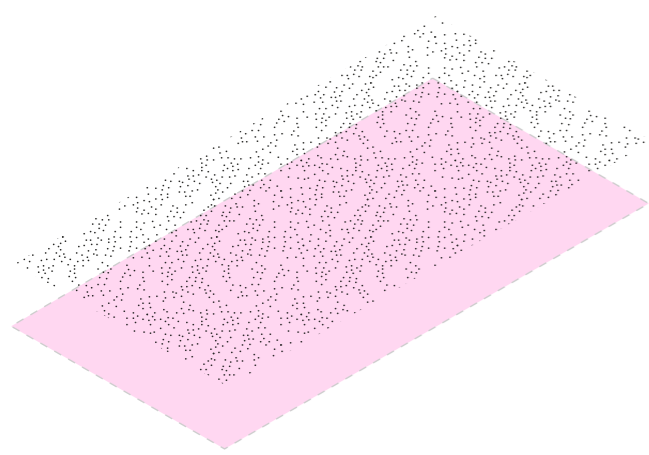


# THE CABINETS

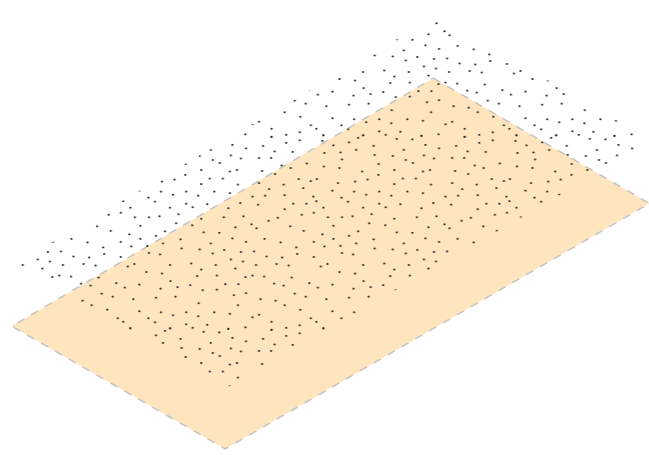


# FLOOR FINISHING

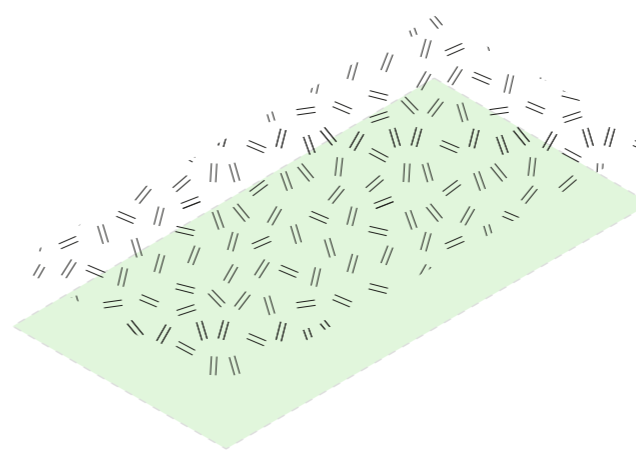
## Exposition spaces



**Medium** Super soft - carpet  
**Description** Adapted in the Cabinets



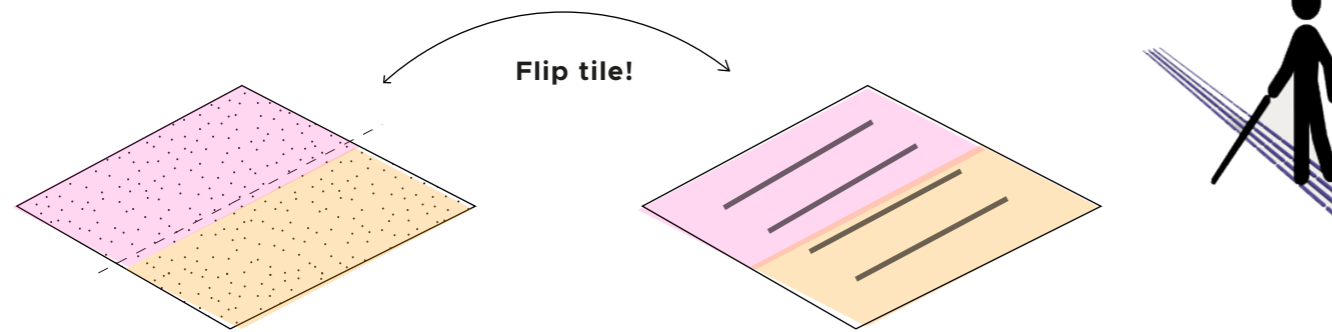
**Medium** Soft - rubber  
**Description** Adapted in the Flexible rooms



**Medium** Profiled material - pebbles  
**Description** Adapted in the Tubes



**Medium** Smooth - hard materials  
**Description** Adapted in non- exposition spaces (circulation/services)



Flip tile!

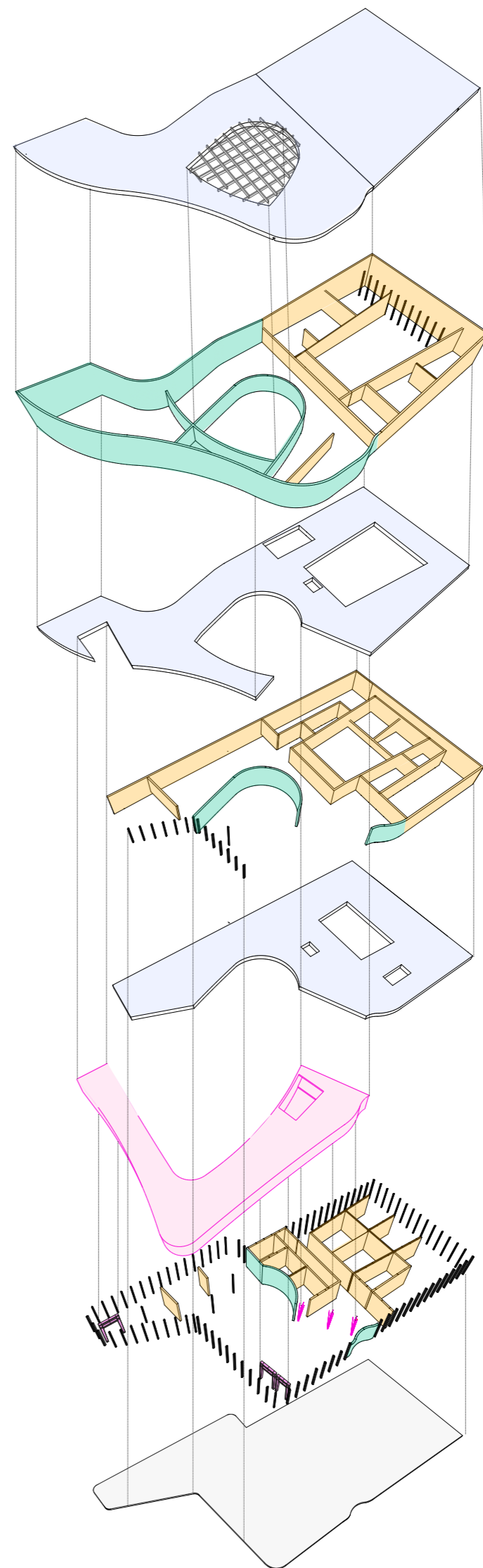
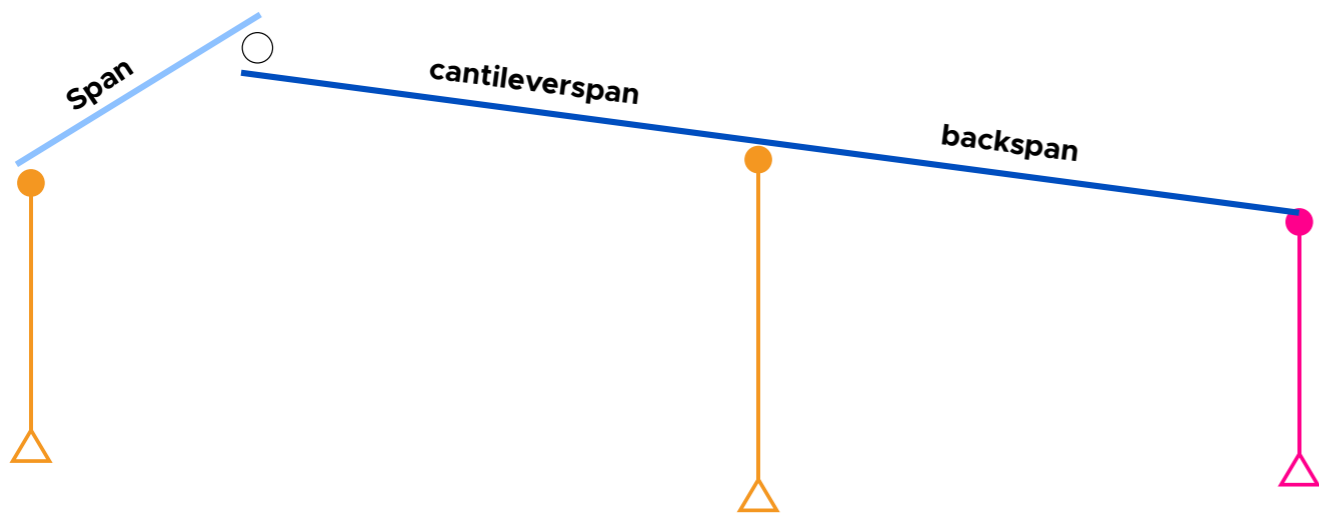
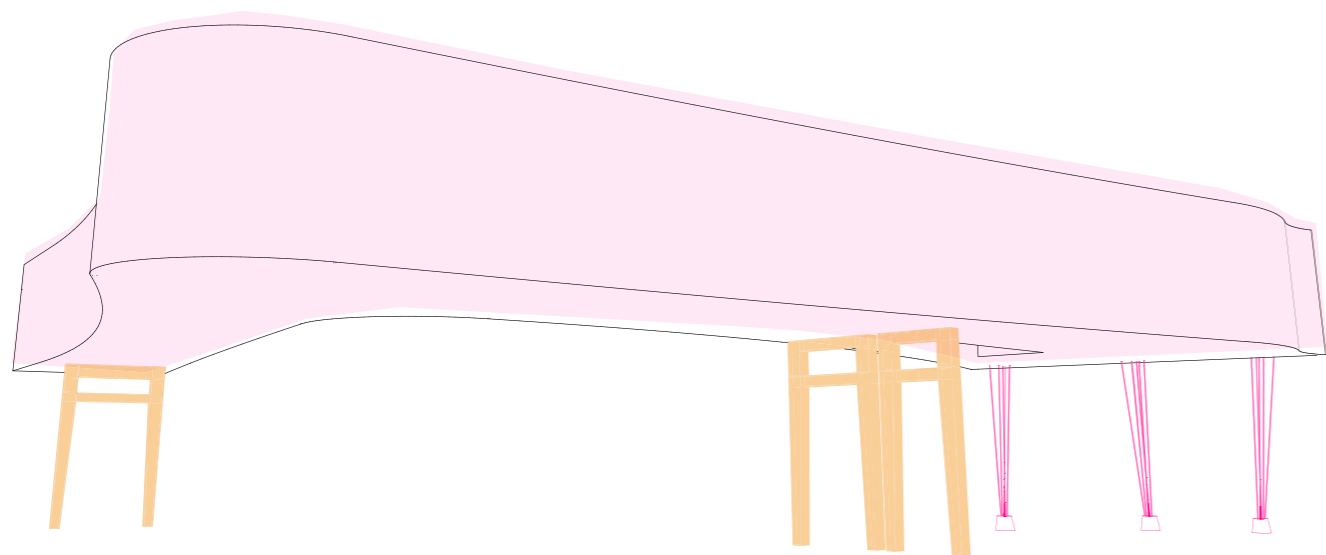
Tactile guiding tiles

## Spaces with moveble path

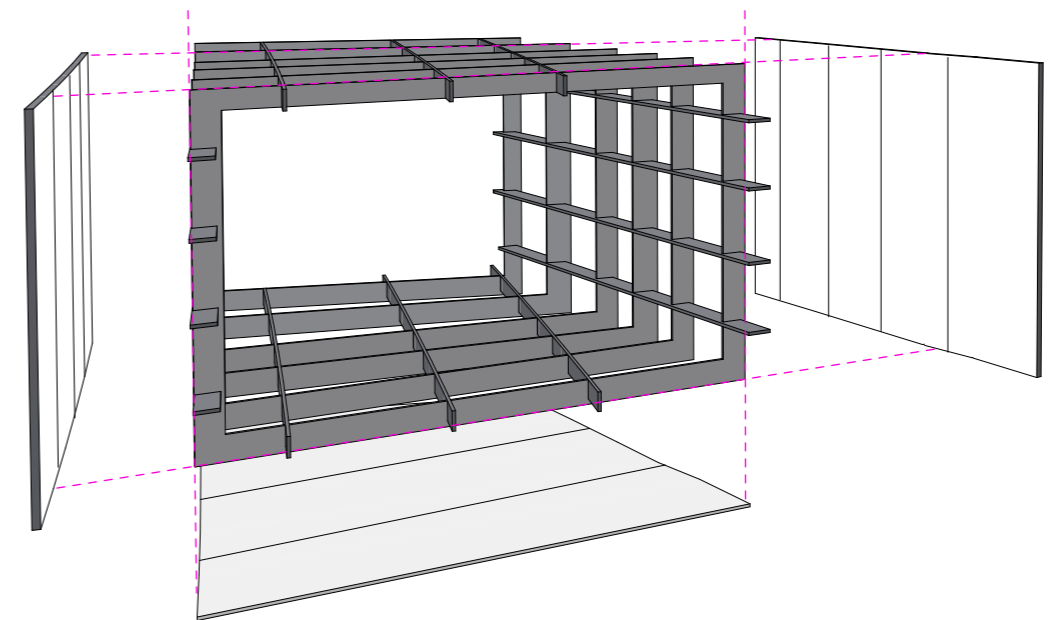
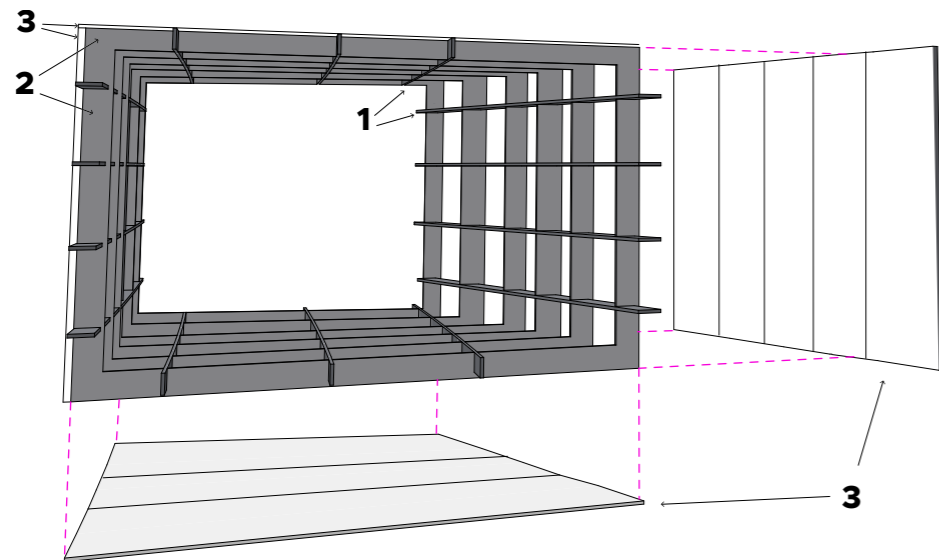
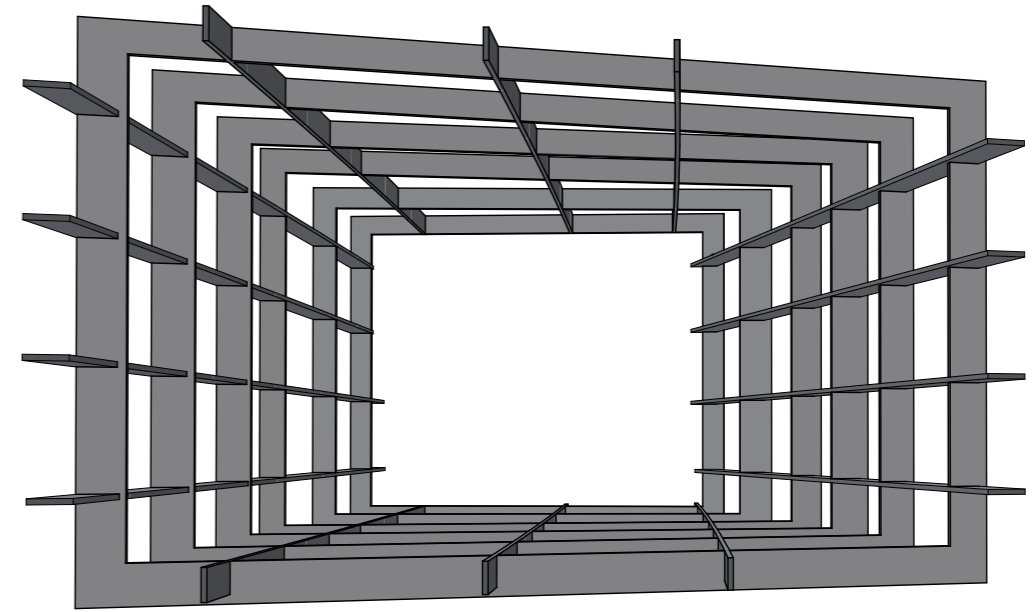
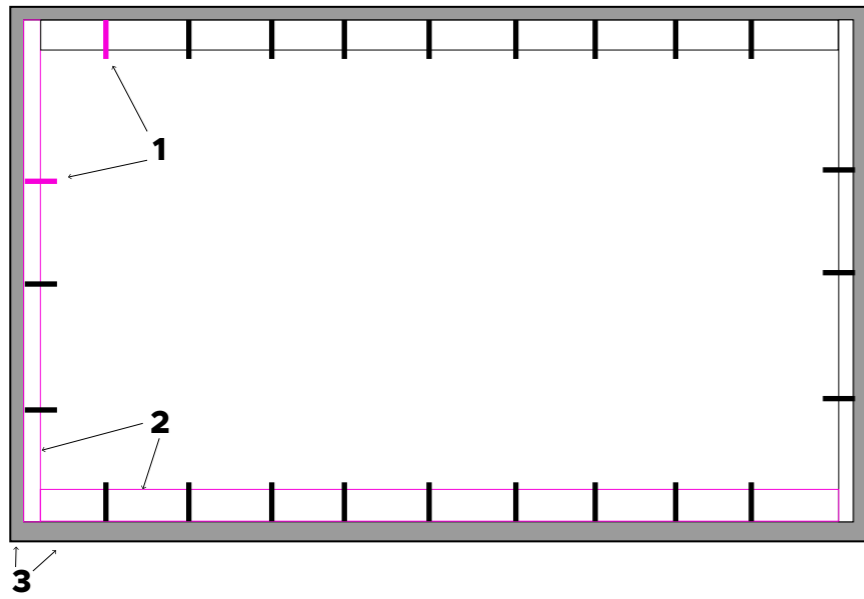
.. BACK IN THE PATIO!



# BOX GIRDER PRINCIPLE



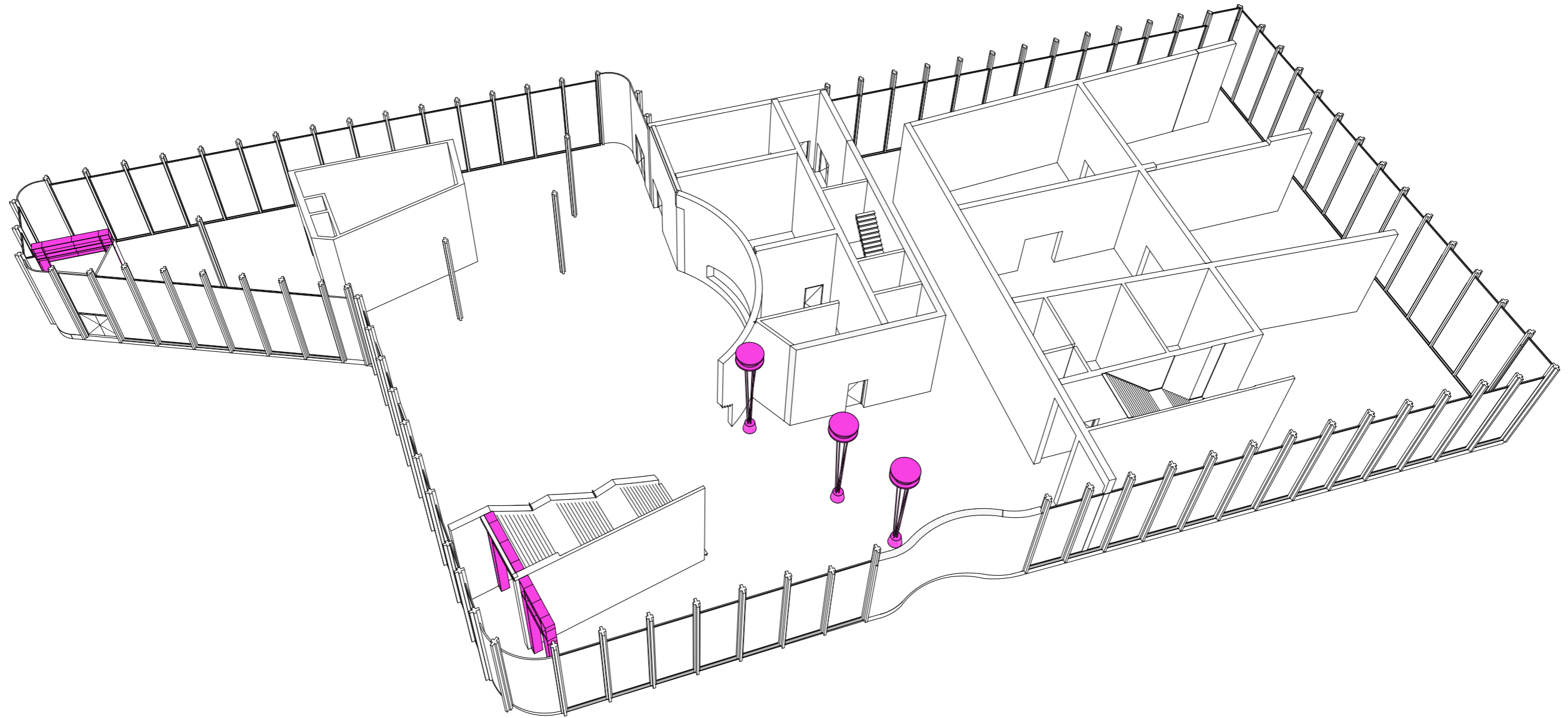
## BOX GIRDER PRINCIPLE



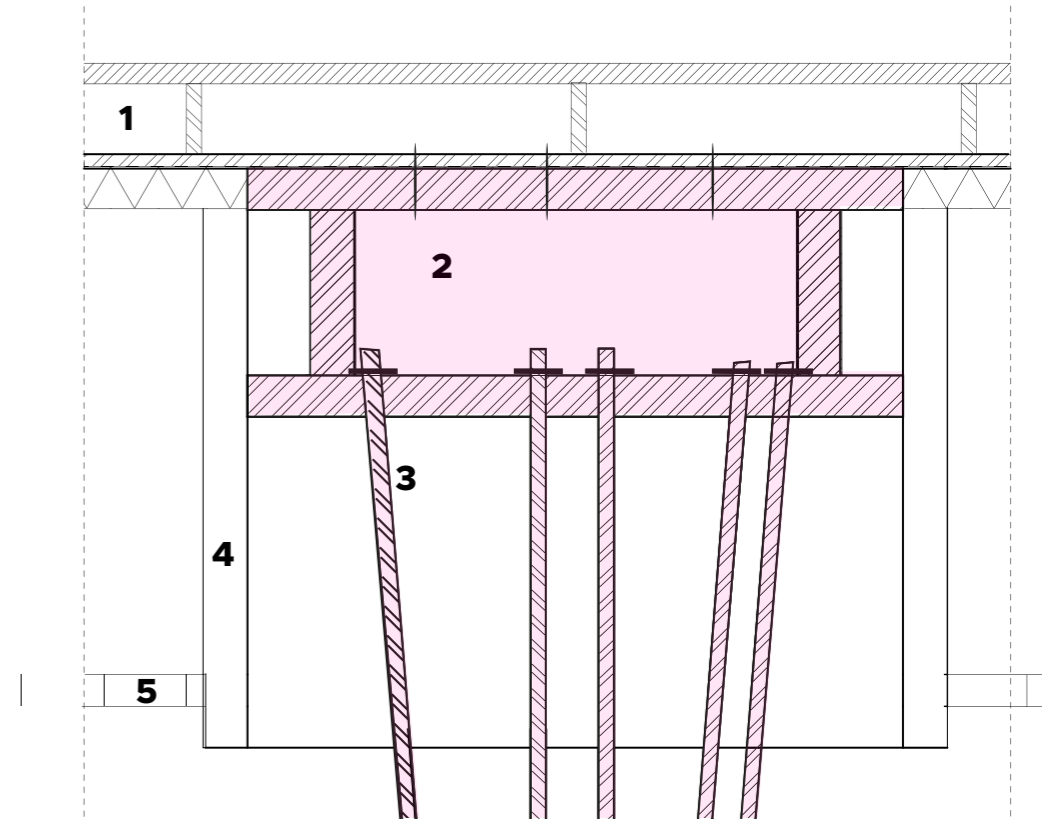
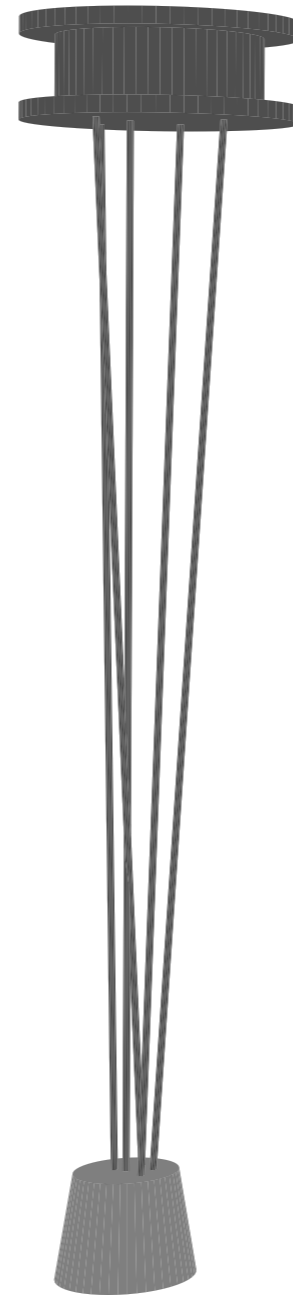
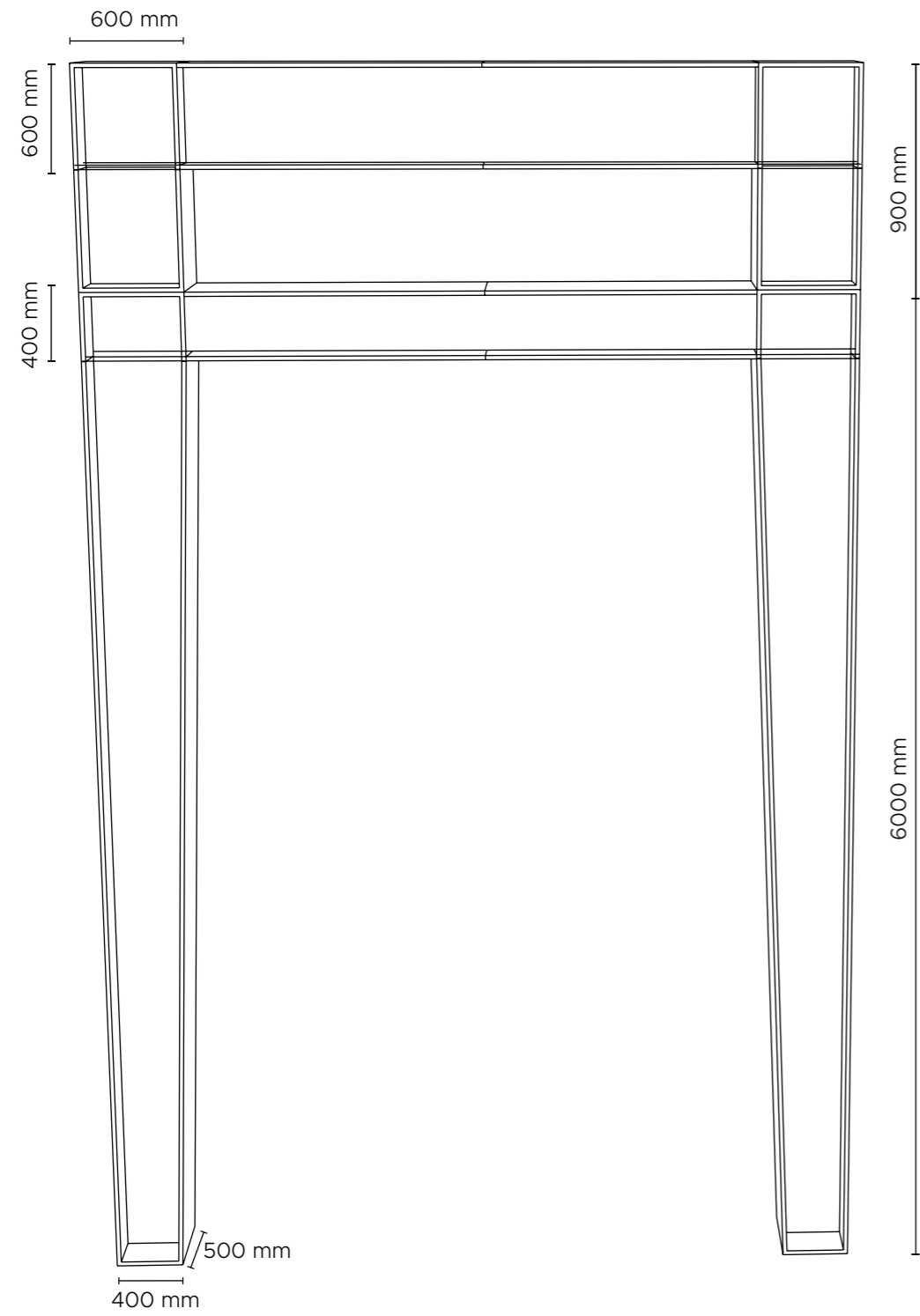
1. Longitudinal stiffeners
2. Transverse stiffeners
3. Steel plates



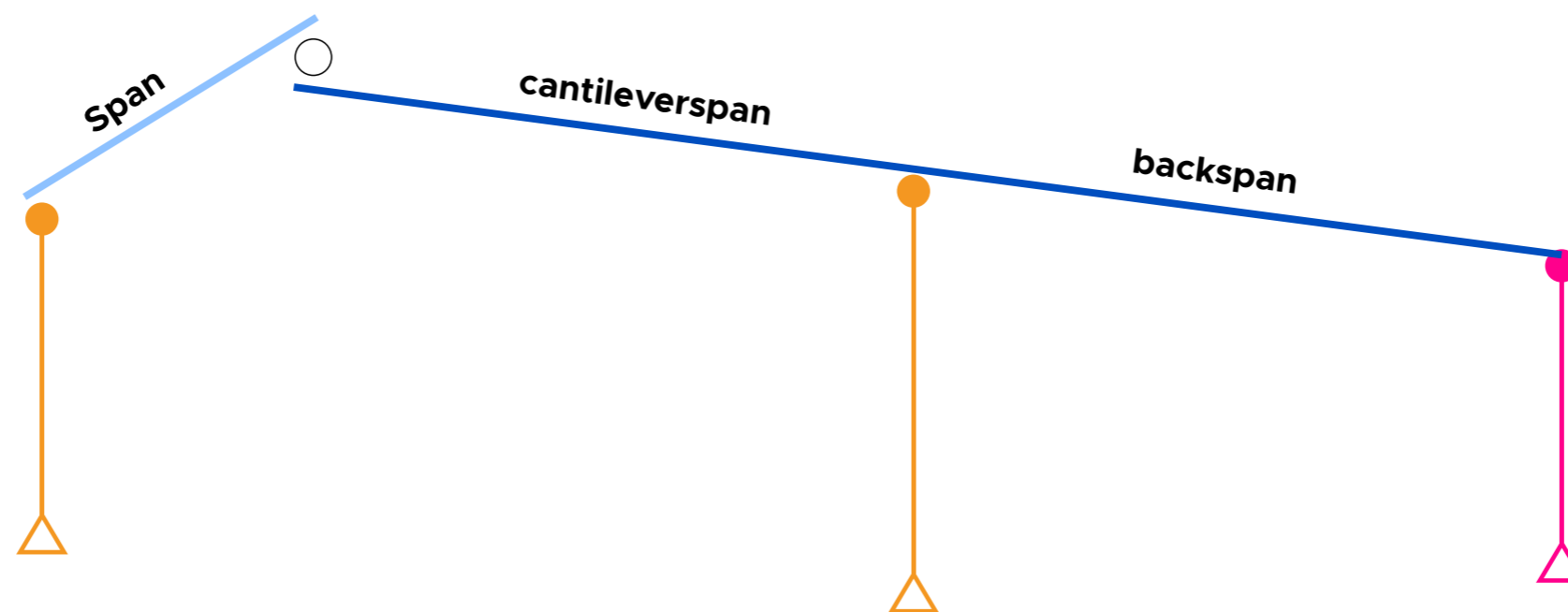
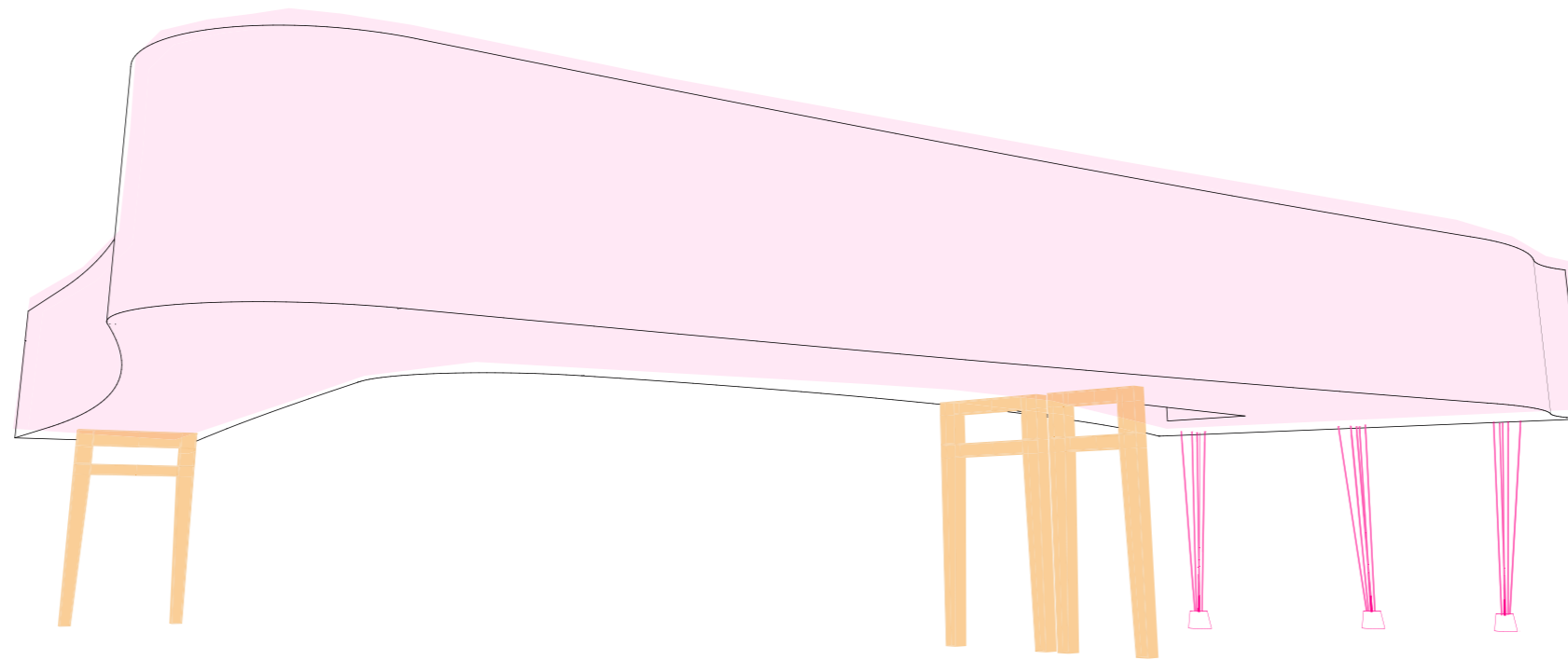
# BOX GIRDER PRINCIPLE



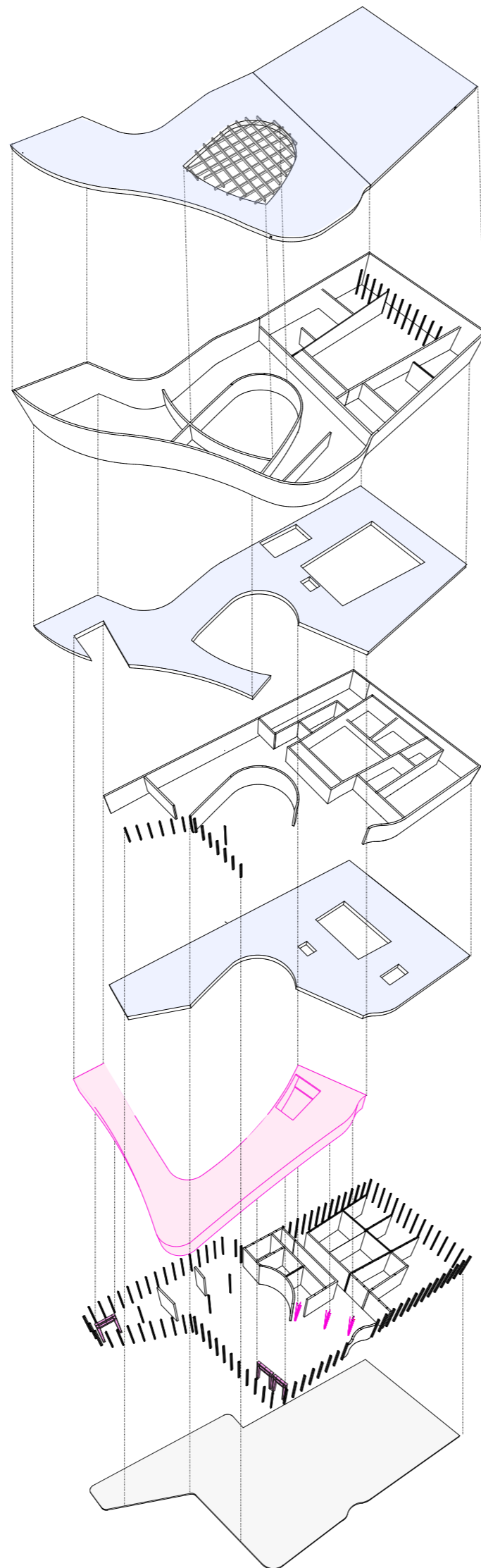
# BOX GIRDER PRINCIPLE



# BOX GIRDER PRINCIPLE

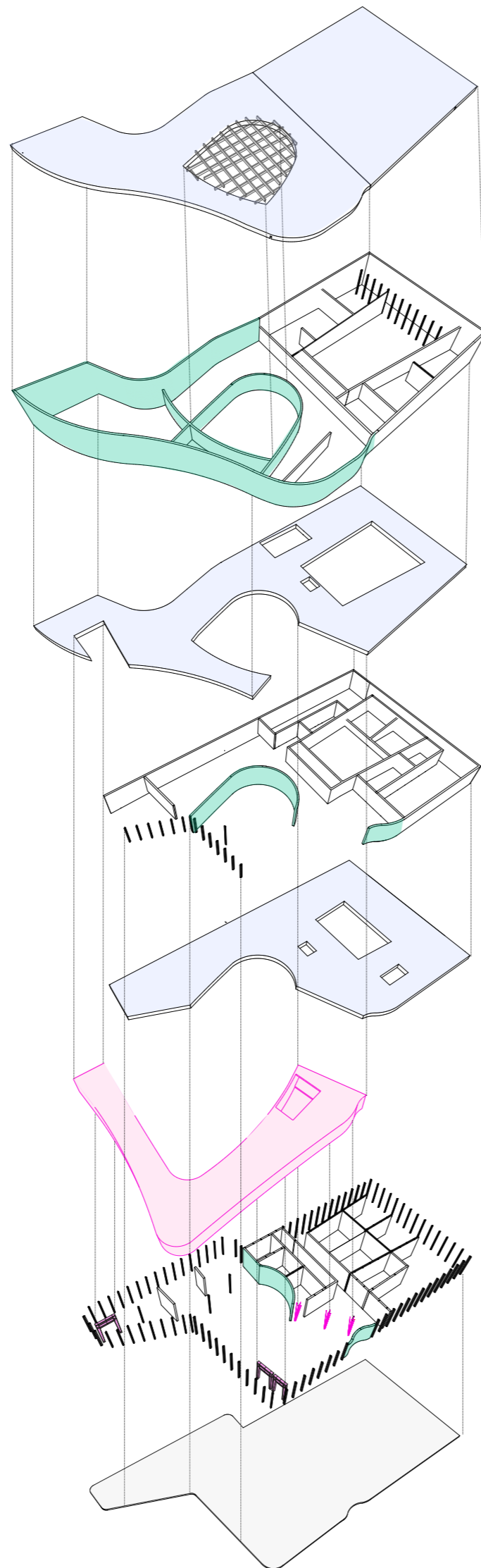


**STRUCTURE CONCEPT**



**CROSS COLUMNS GLULAM**

**STRUCTURE CONCEPT**

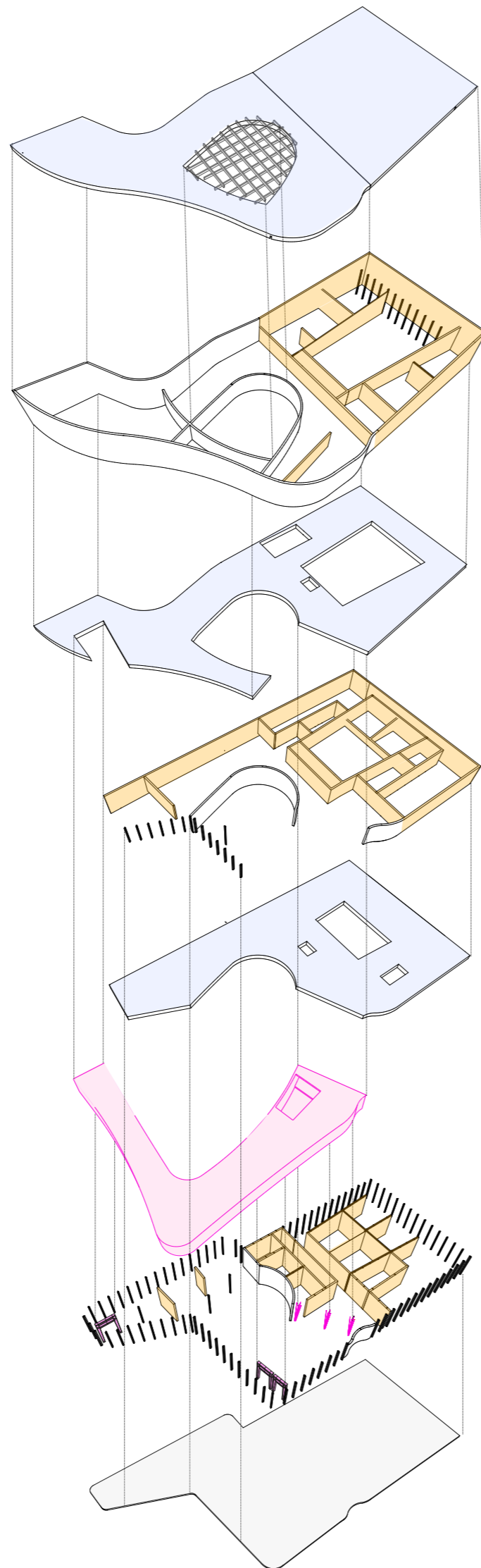


**TIMBER FRAME STRUCTURE**

**TIMBER FRAME STRUCTURE**

**CROSS COLUMNS GLULAM**

**STRUCTURE CONCEPT**

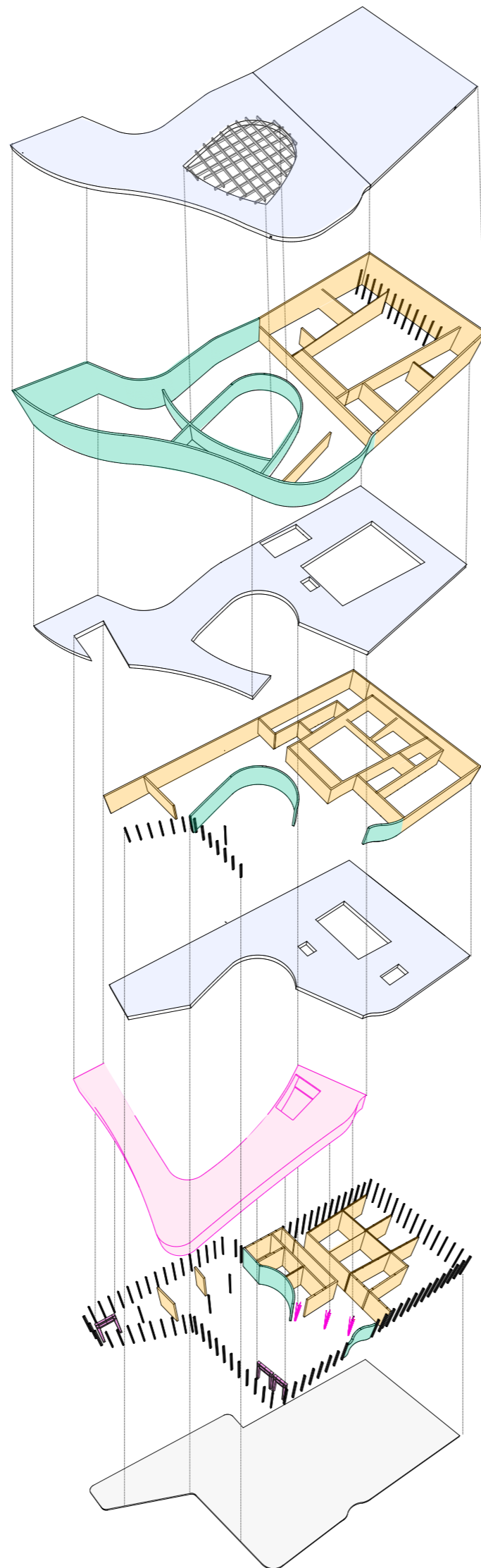


**CROSS LAMINATED TIMBER**

**CROSS LAMINATED TIMBER**

**CROSS COLUMNS GLULAM**

**STRUCTURE CONCEPT**



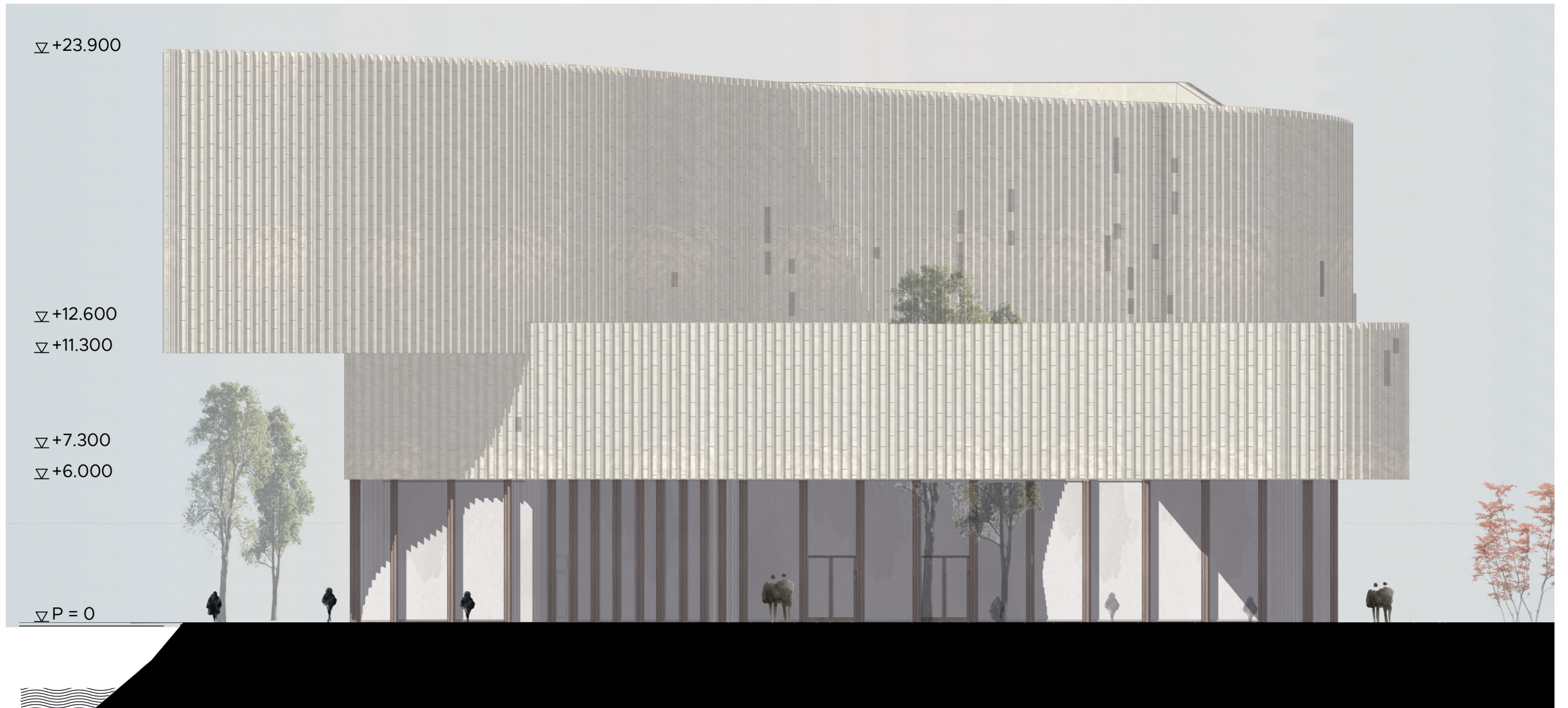
**TIMBER FRAME STRUCTURE  
CROSS LAMINATED TIMBER**

**TIMBER FRAME STRUCTURE  
CROSS LAMINATED TIMBER**

**BOX GIRDER - STEEL**

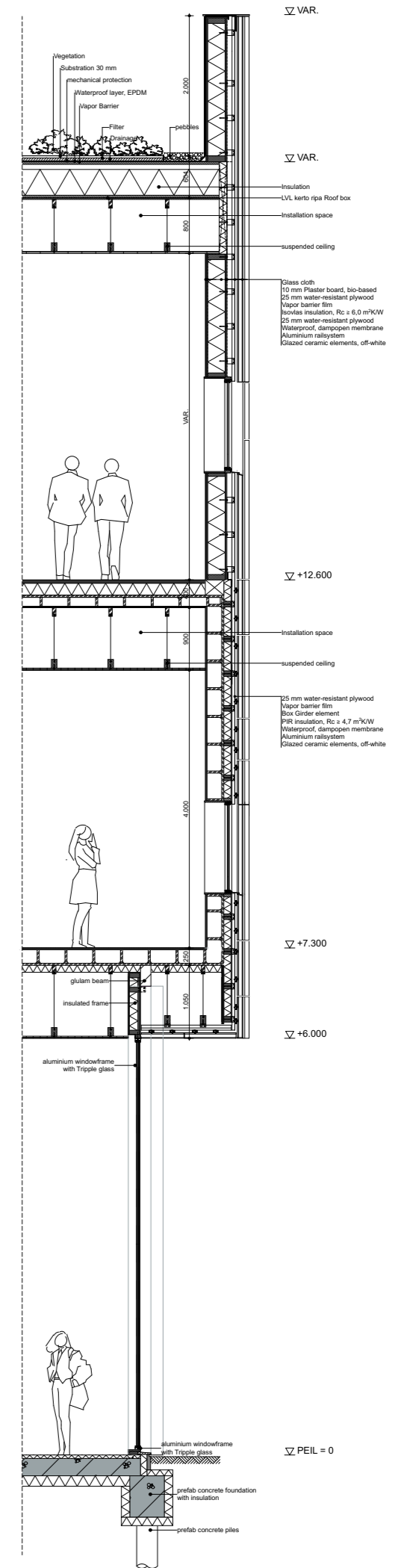
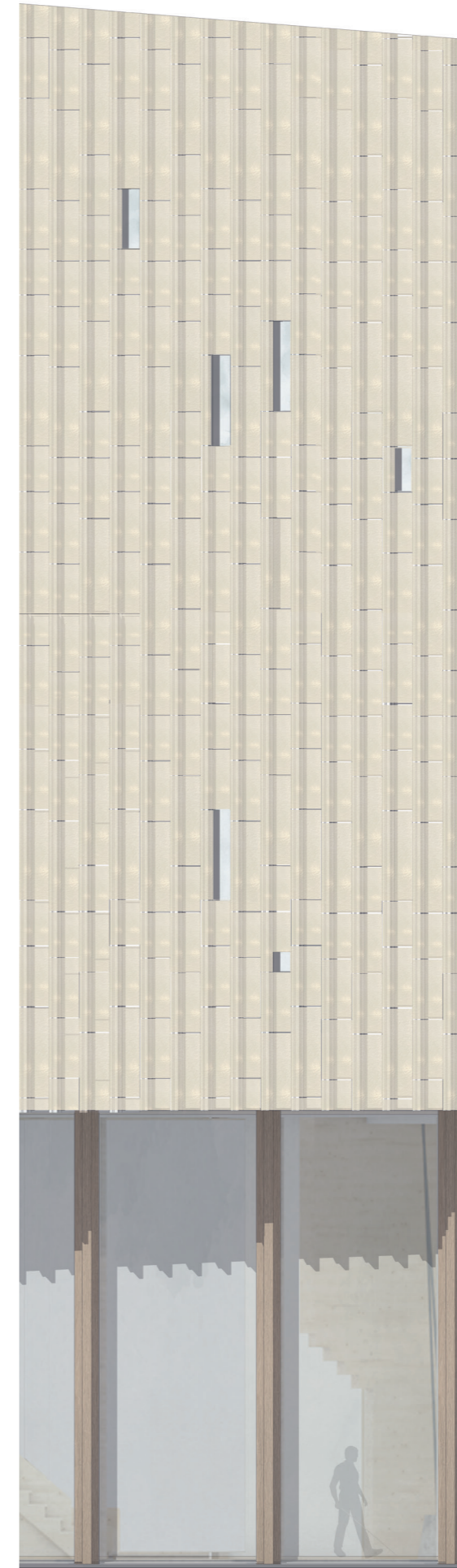
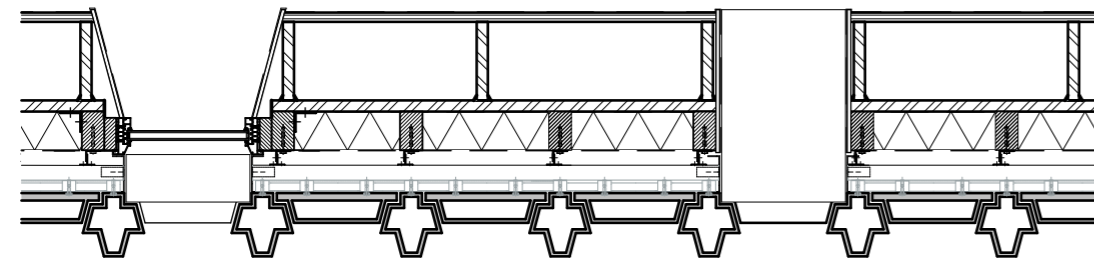
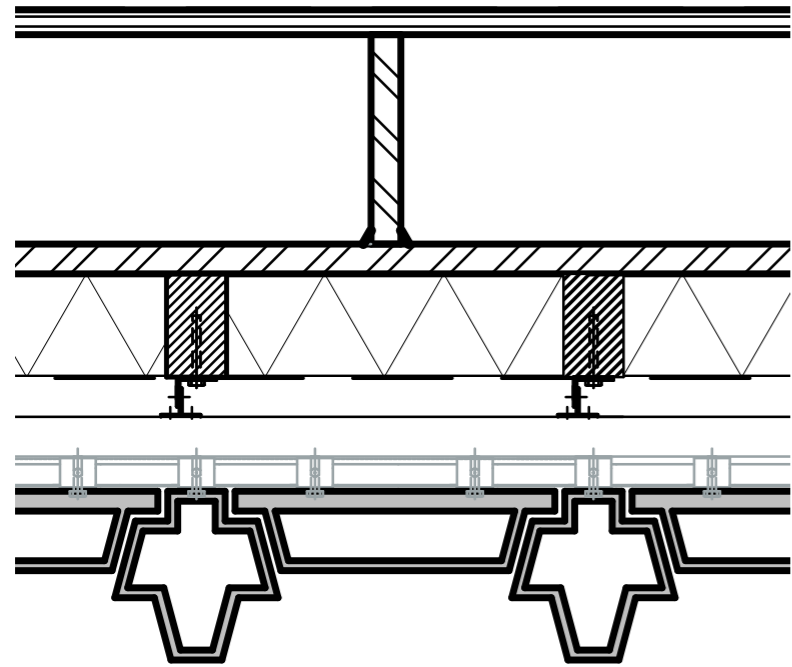
**CROSS COLUMNS GLULAM**

# CERAMIC FACADE CLADDING





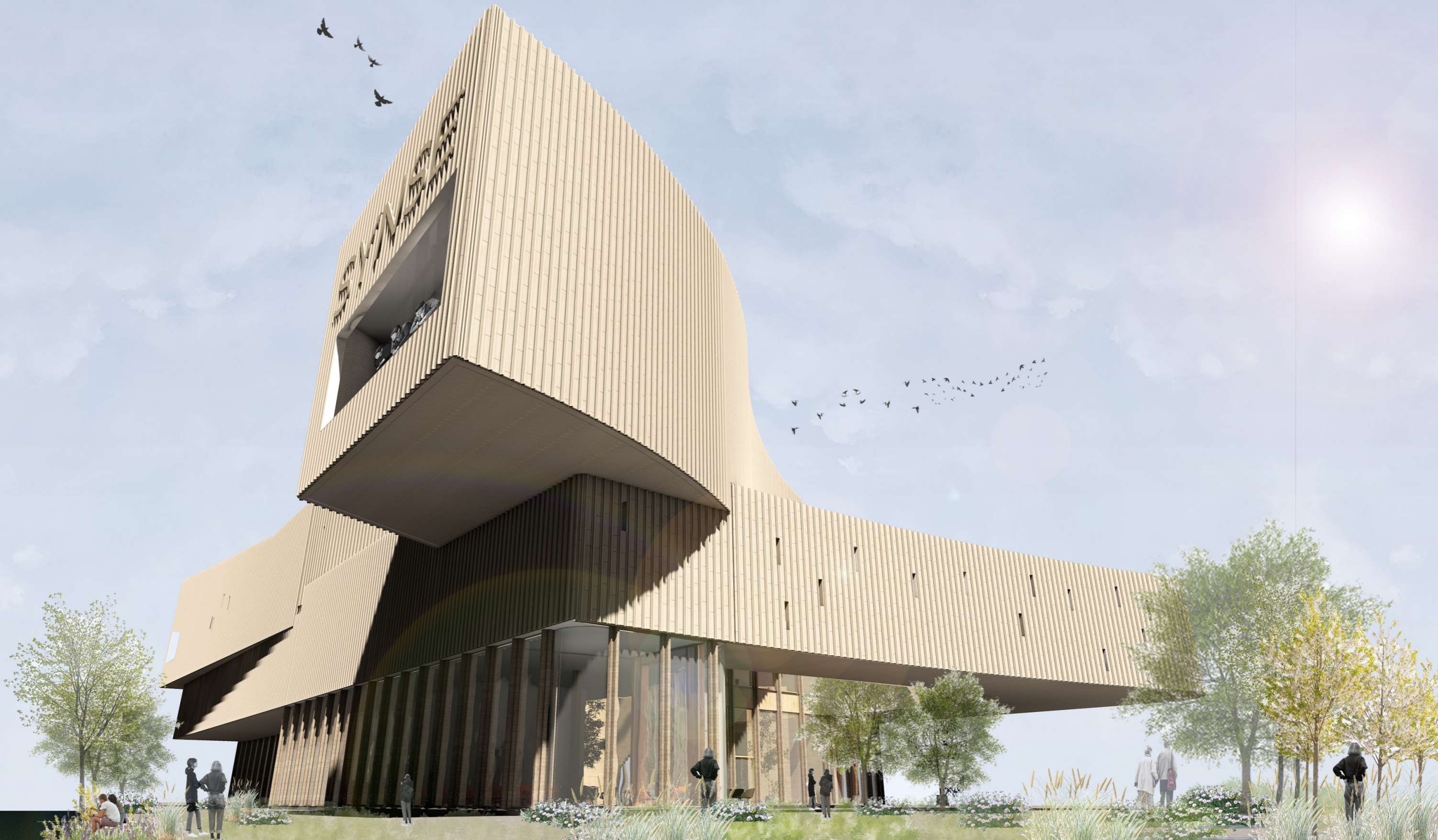
# 1:50 FACADE FRAGMENT



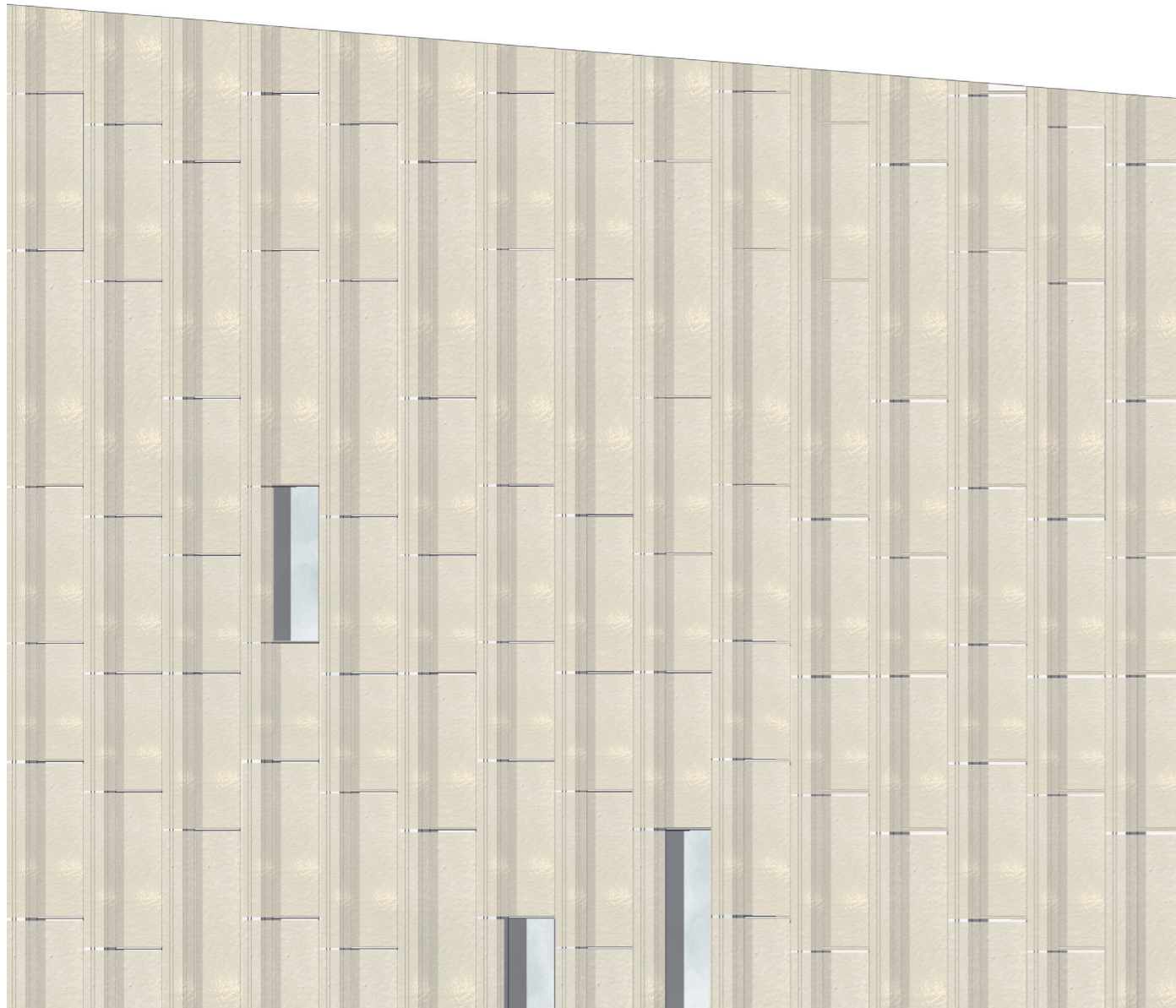
LARGE OPENINGS



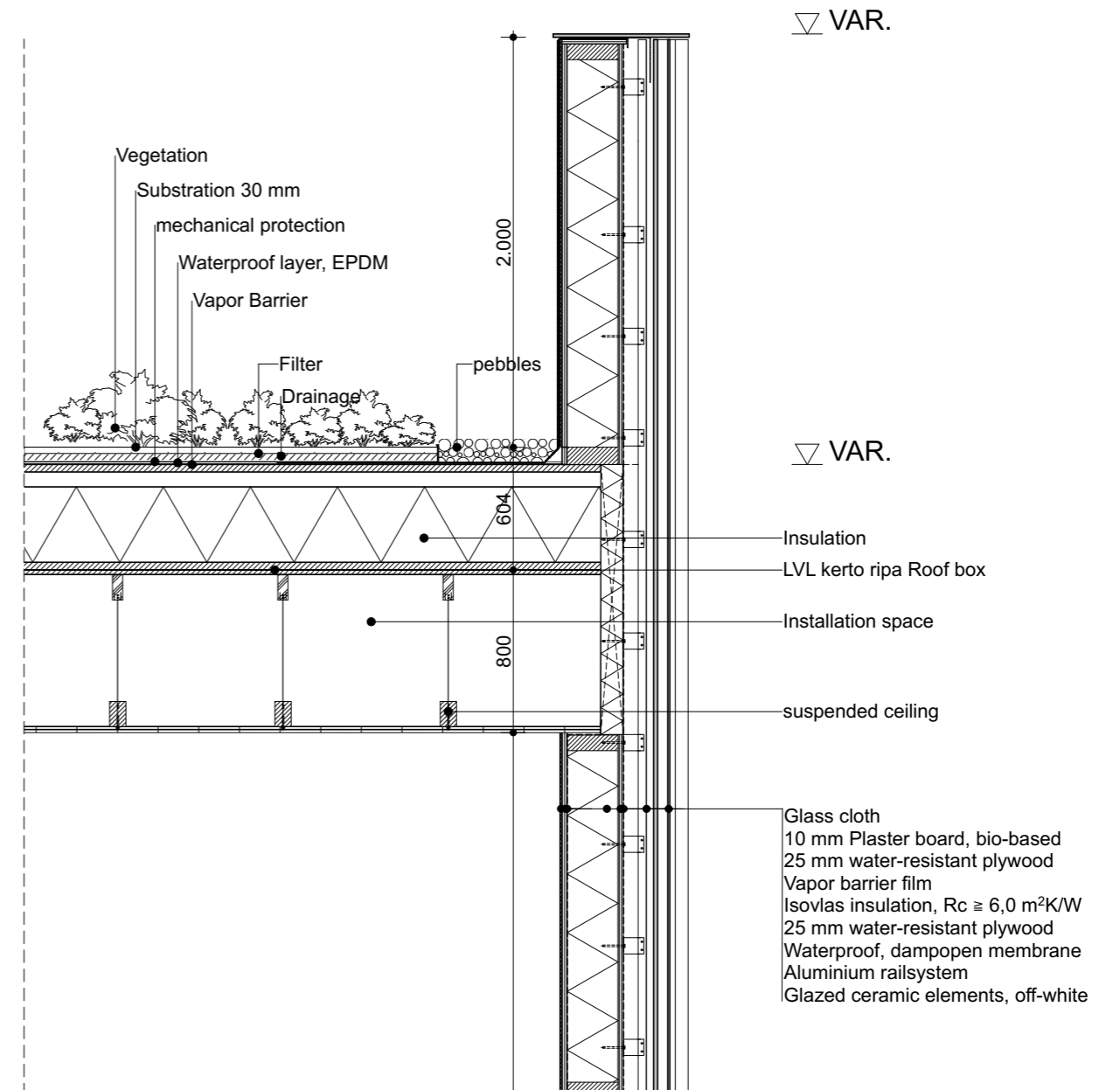
LARGE OPENINGS



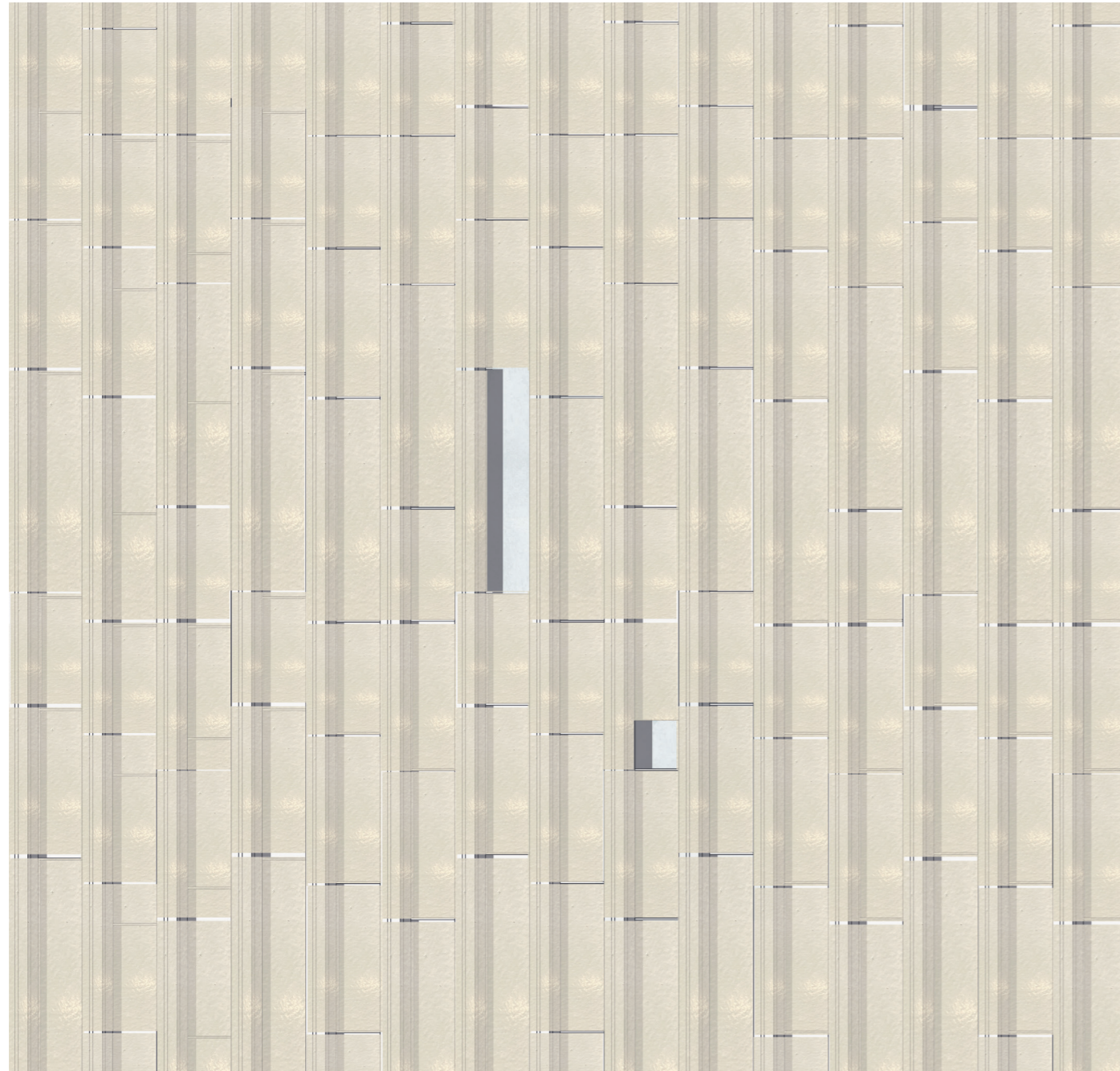
Section fragment



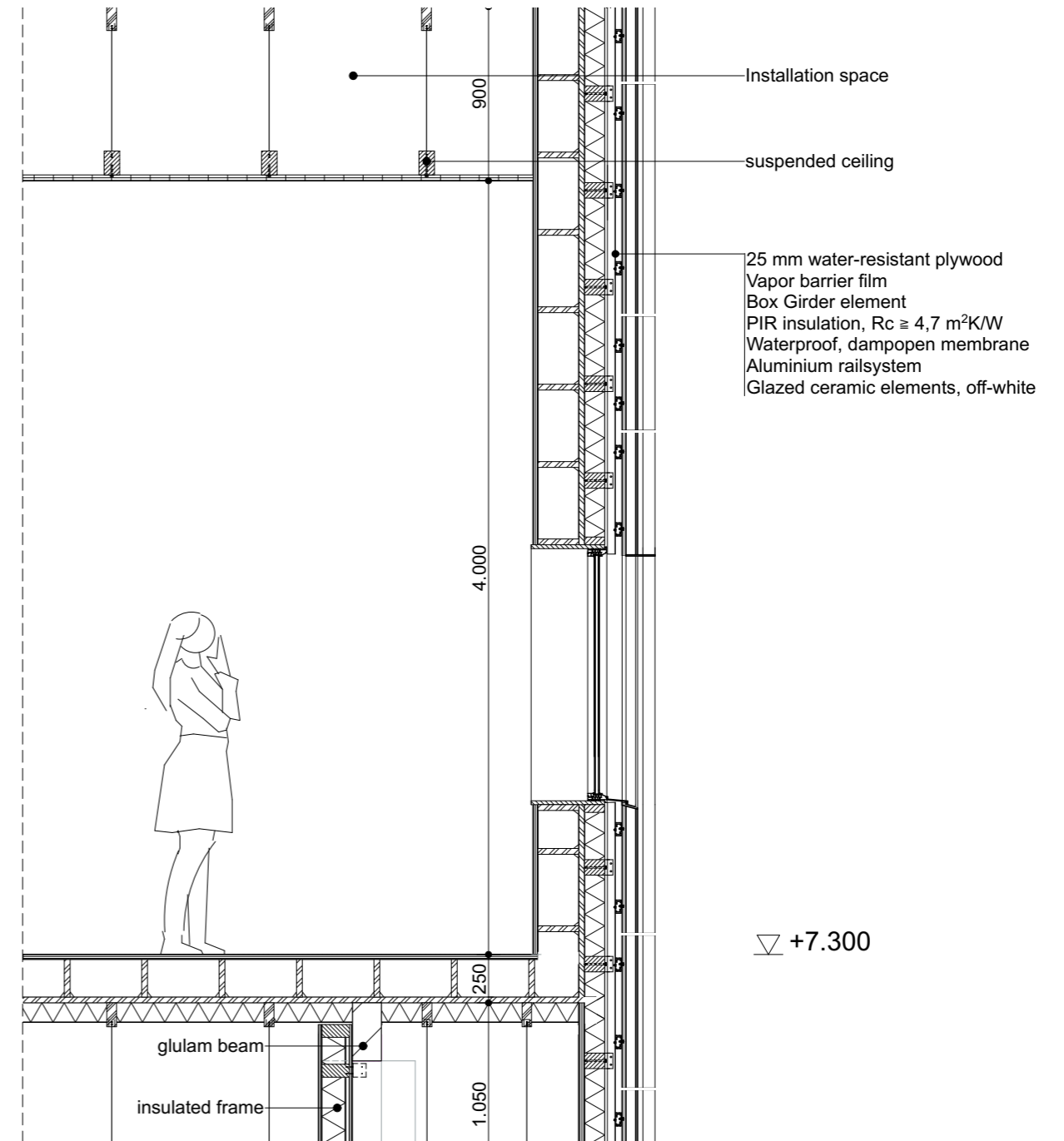
Elevation fragment



Section fragment



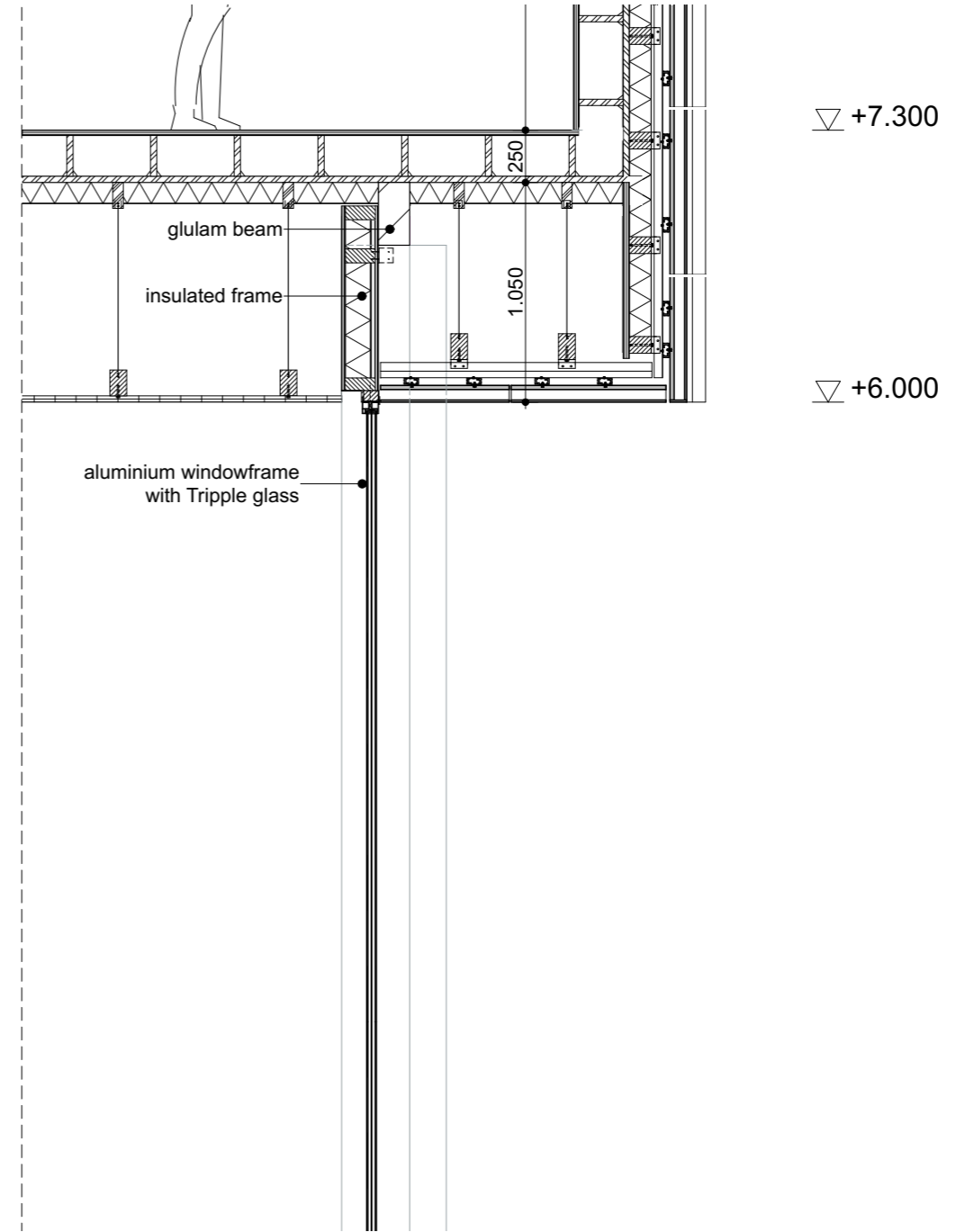
Elevation fragment



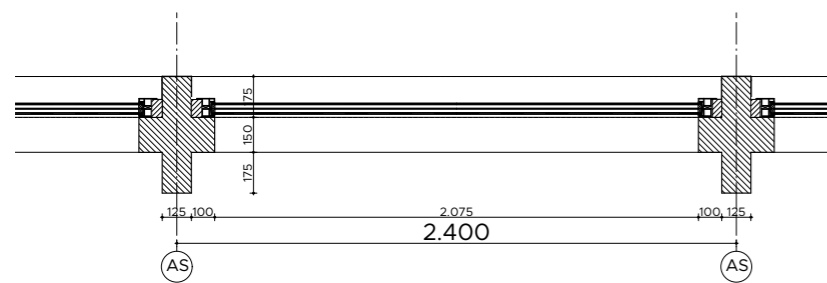
Section fragment



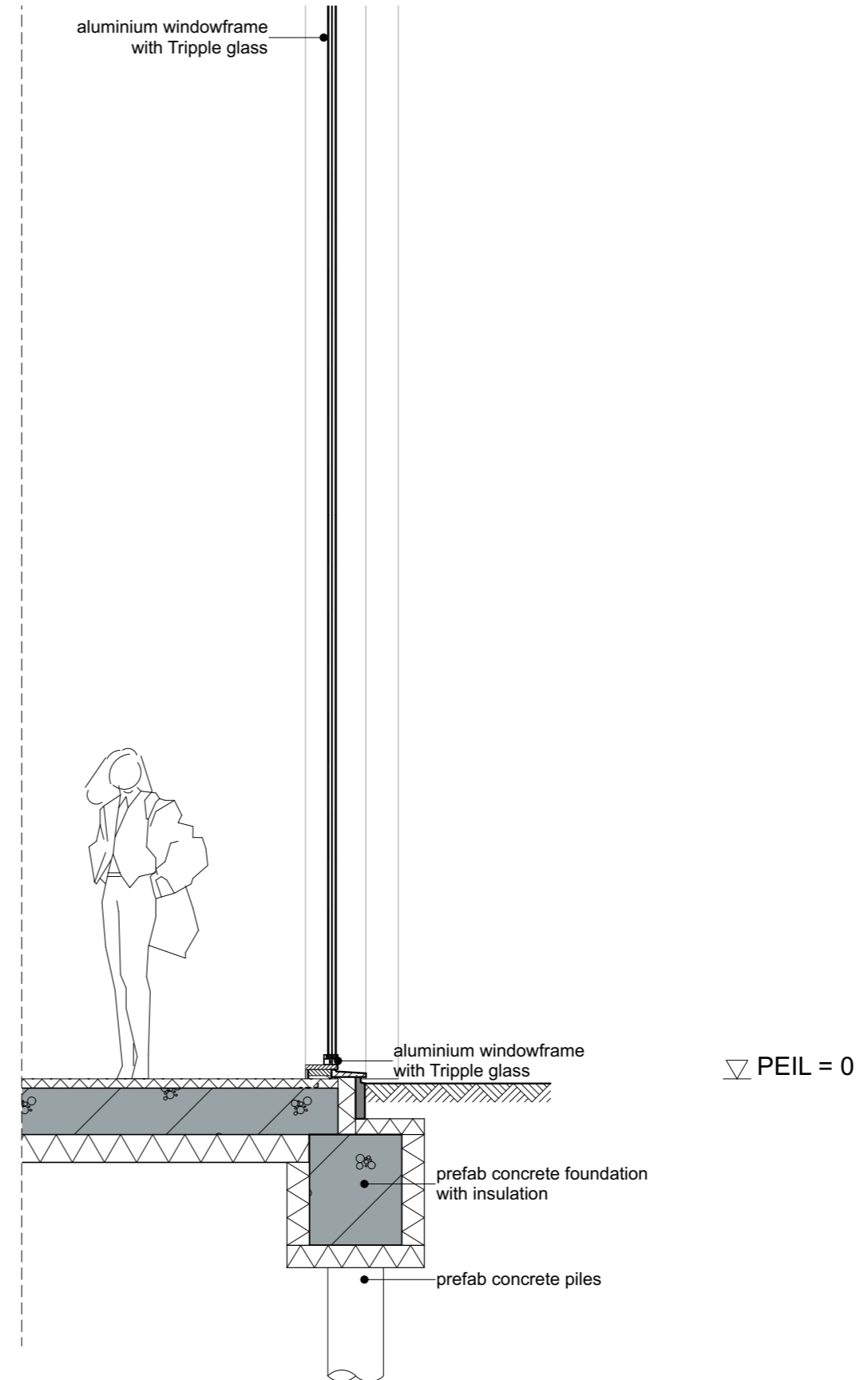
Elevation fragment



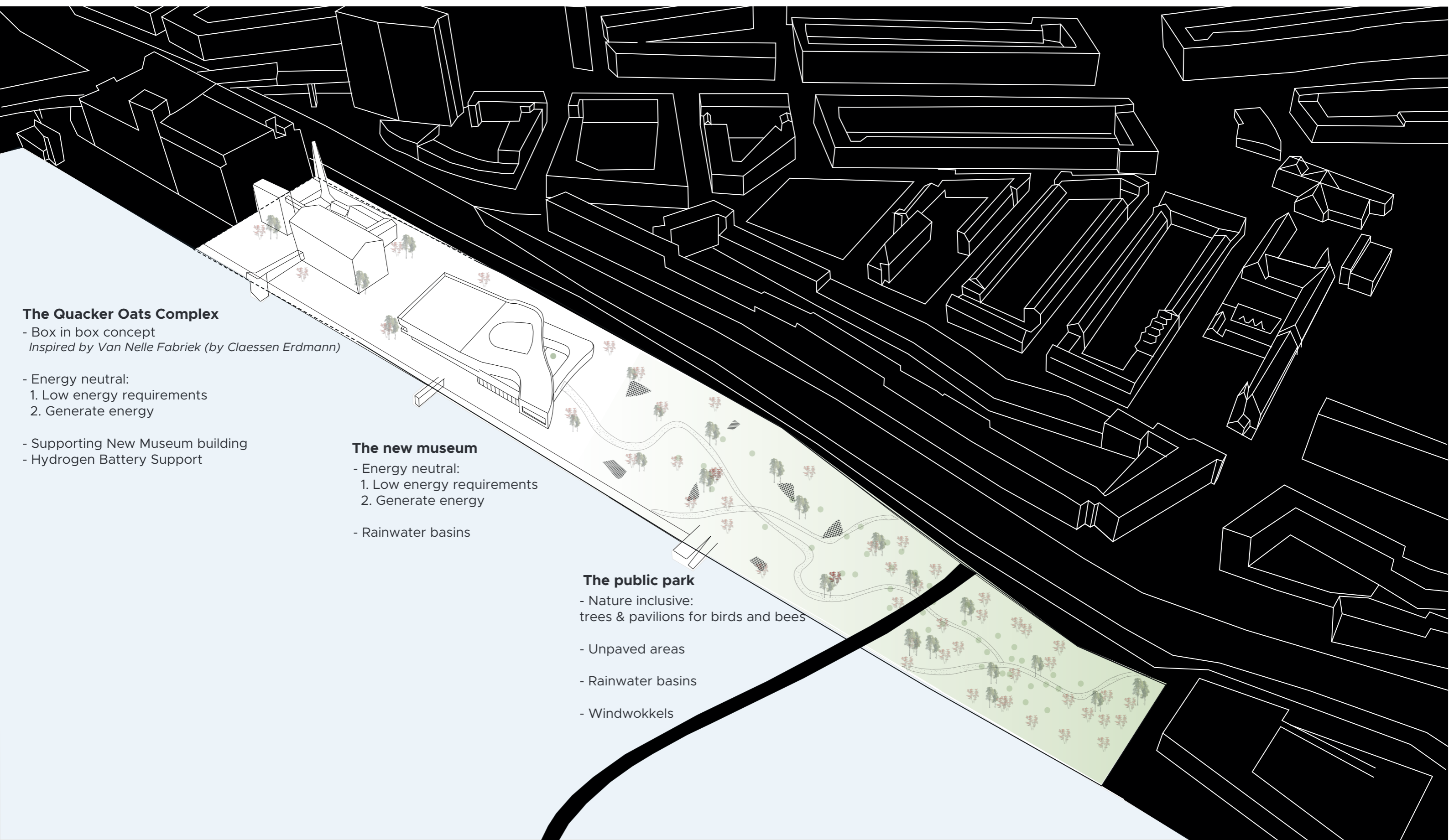
Section fragment



Elevation fragment



# CLIMATE CONCEPT



## The Quacker Oats Complex

- Box in box concept  
*Inspired by Van Nelle Fabriek (by Claessen Erdmann)*

- Energy neutral:
  1. Low energy requirements
  2. Generate energy

- Supporting New Museum building
- Hydrogen Battery Support

## The new museum

- Energy neutral:
  1. Low energy requirements
  2. Generate energy

- Rainwater basins

## The public park

- Nature inclusive:  
trees & pavilions for birds and bees

- Unpaved areas

- Rainwater basins

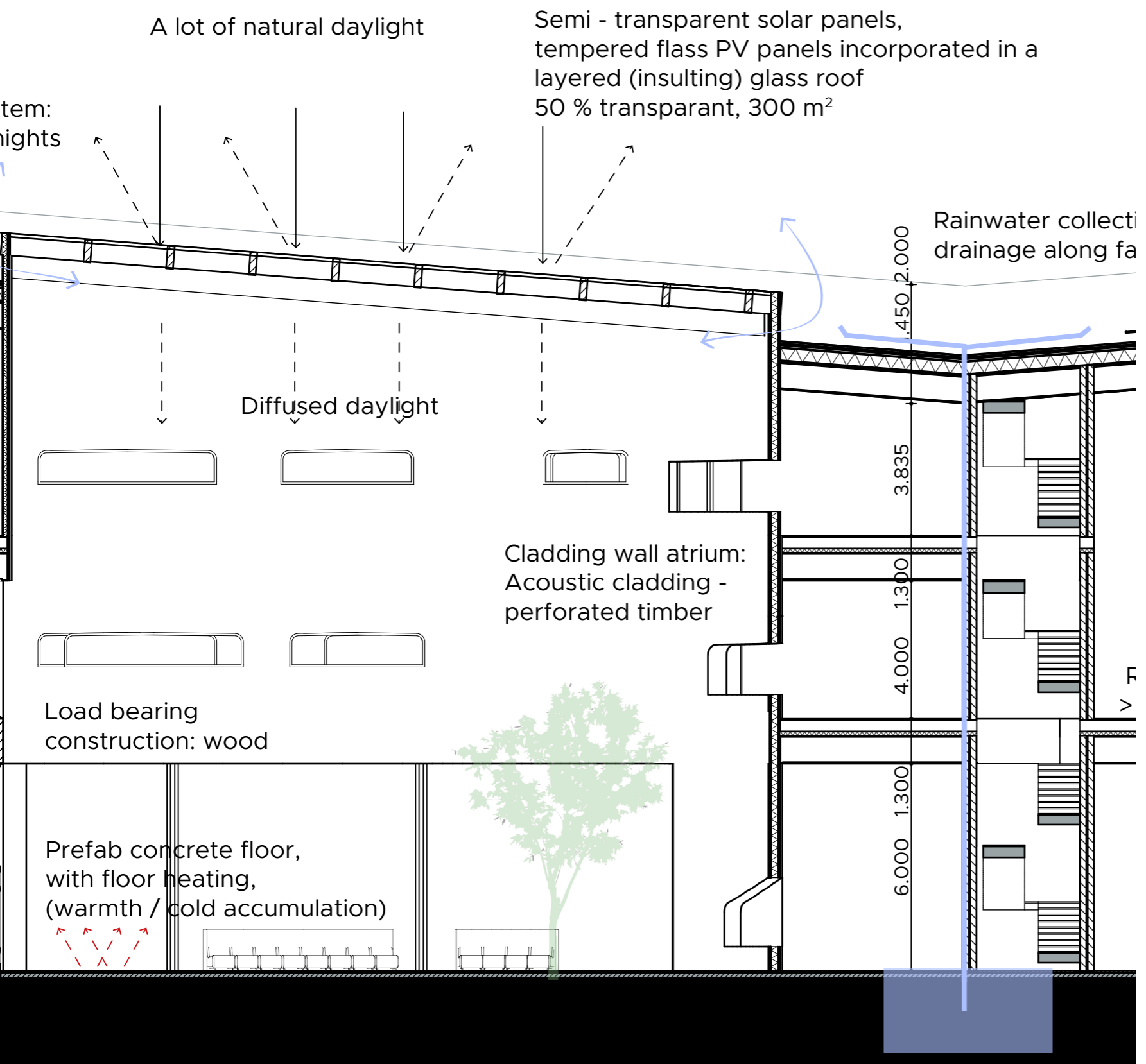
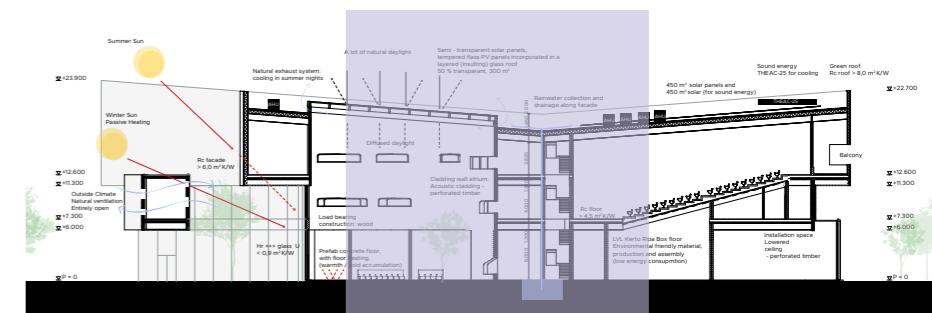
- Windwokkels



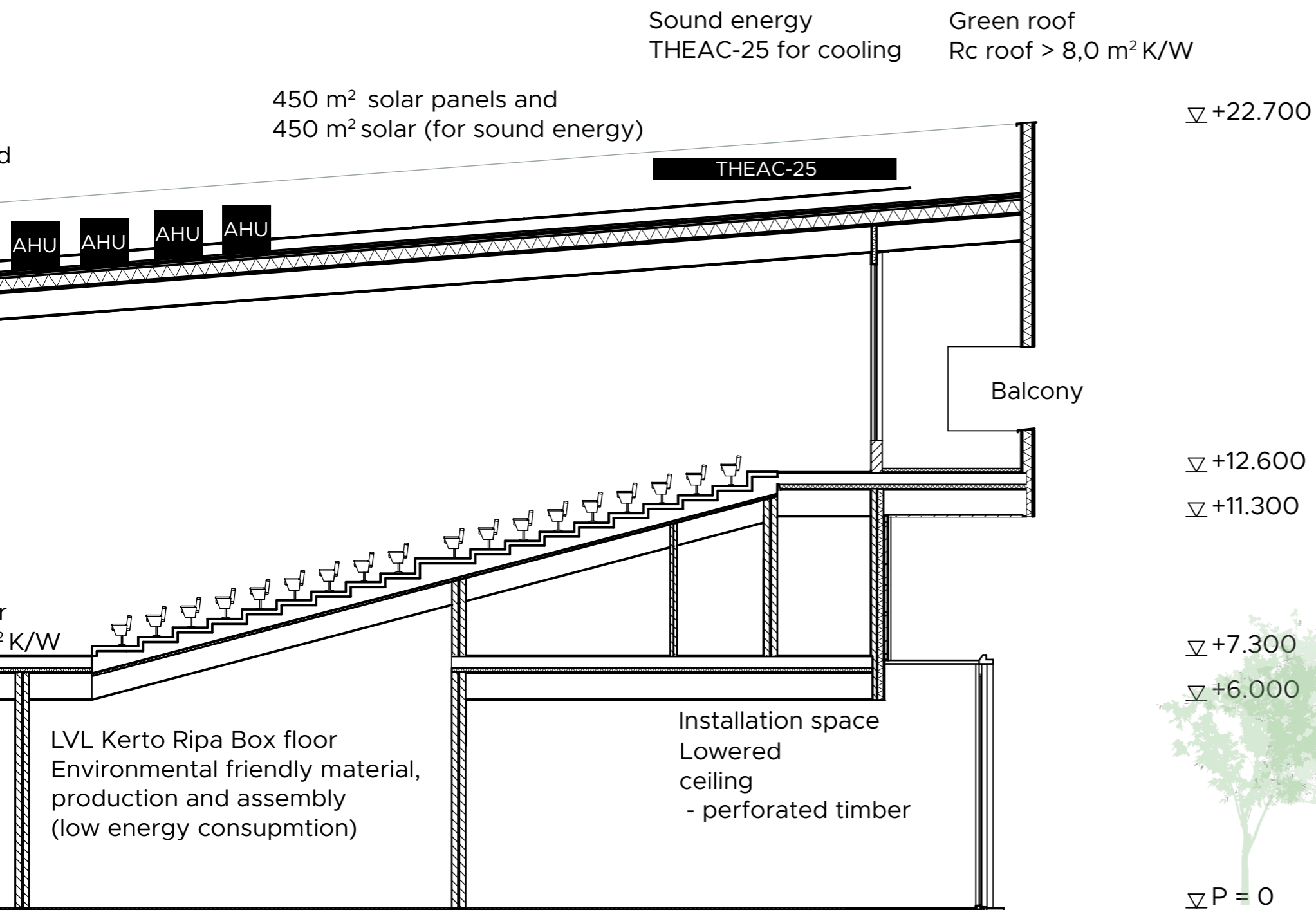
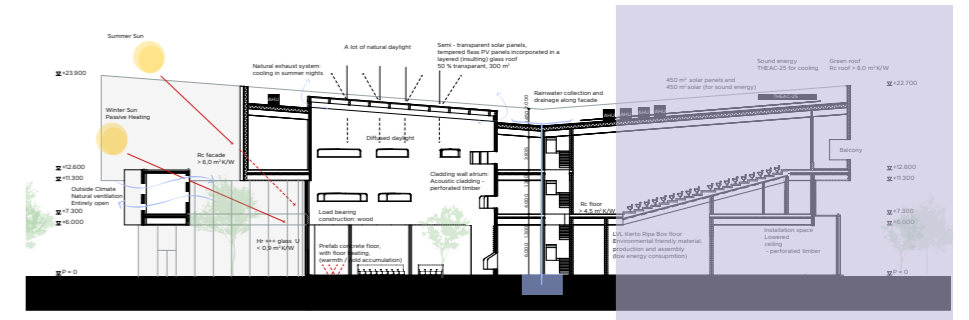




# CLIMATE CONCEPT



# CLIMATE CONCEPT



PUBLIC PARK PAVILIONS



**NOGENTRIFICATION**

**INCLUDE**

**ENTANGLE**

**THE SYNESTHETIC ART MUSEUM - ROTTERDAM ZUID - TARWEWIJK**

