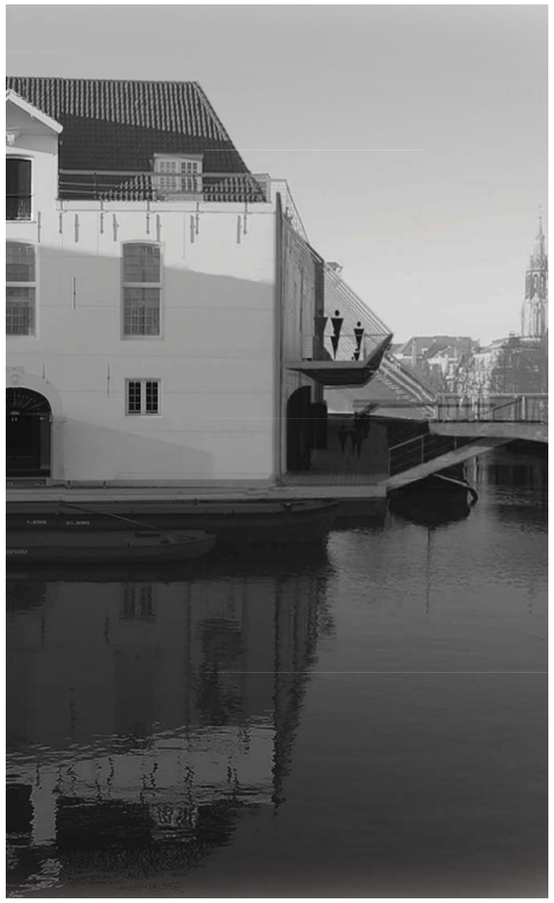
THE ARMAMENTARIUM: A REFLECTION OF DELFT

A creative mix of functions within valuable interior spaces







GRADUATION PRESENTATION

K.S. (Kelly) de Jong, 1352717

Mentor architecture: Nol Hermkens
Mentor building technology: Wido Quist

TU Delft, Studio RMIT
Graduation date: 04–07–2014

I. INTRODUCTION

II. ANALYSIS

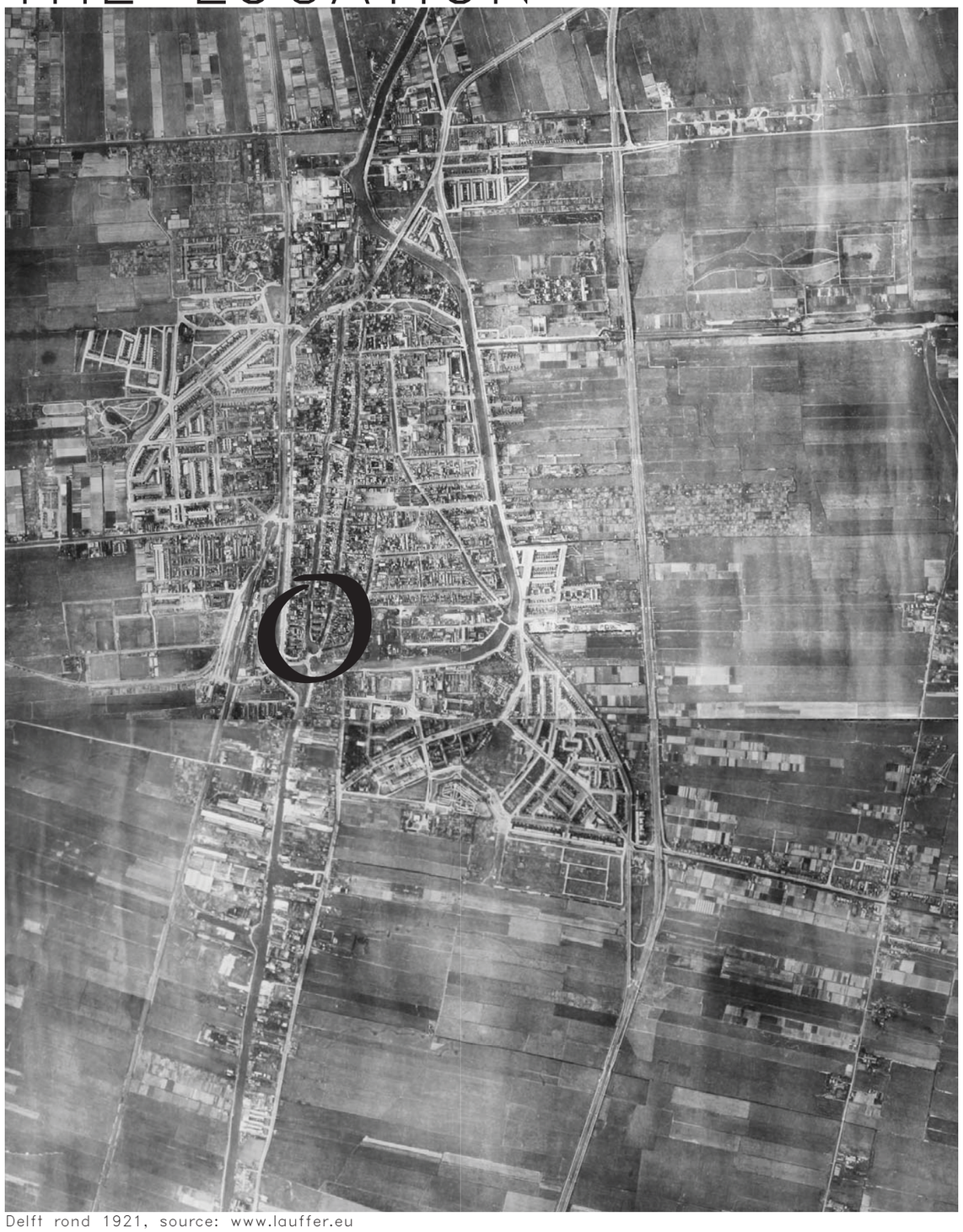
III. DESIGN

THE LOCATION



Delft rond 1921, source: www.lauffer.eu

THE LOCATION



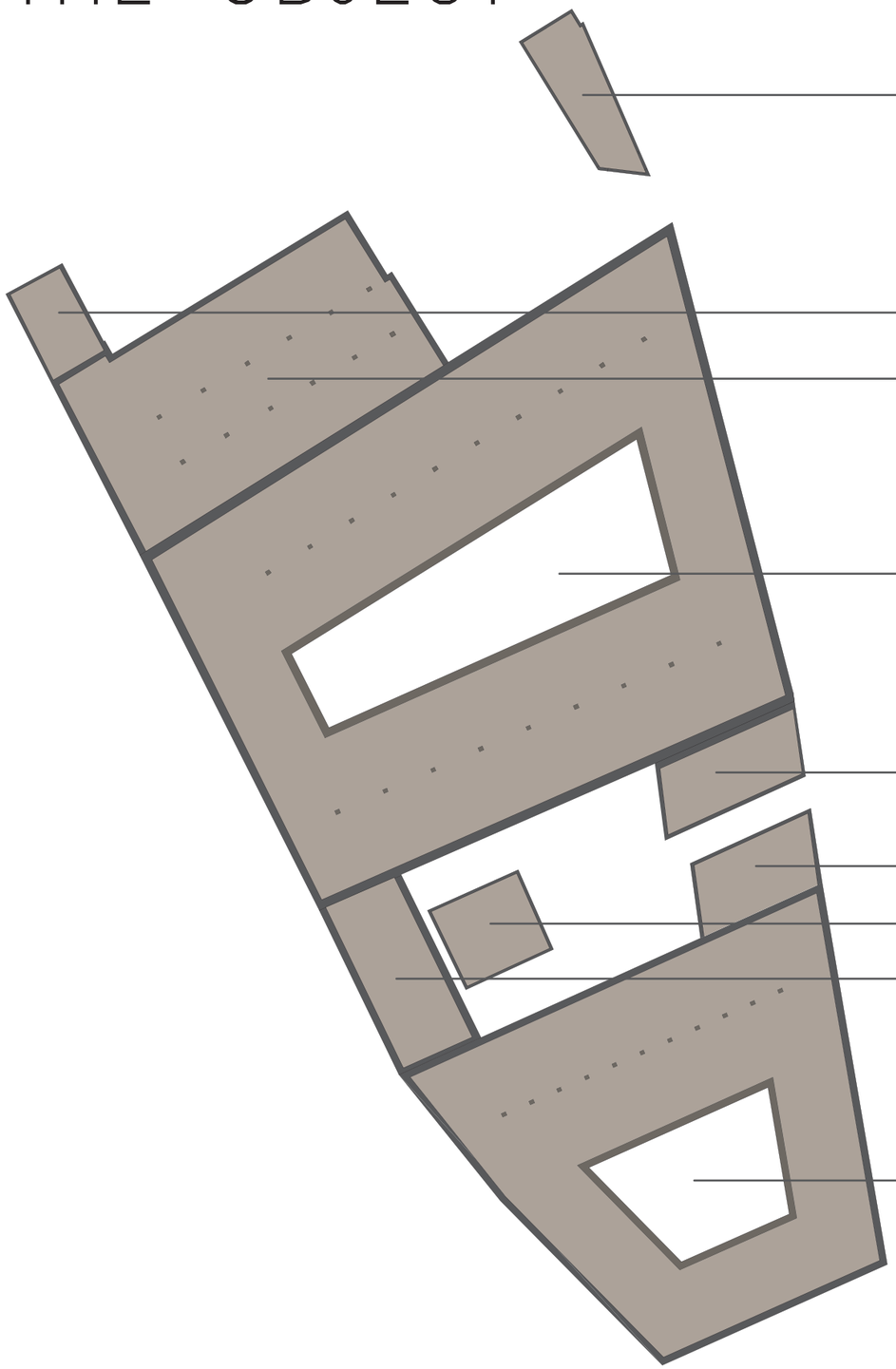
Delft rond 1921, source: www.lauffer.eu

THE OBJECT



source: Hielkje Zijlstra

THE OBJECT



MUSEUM SHOP 1986

OIL SMOKERY 1833

VOC BUILDING 1802

BUILDING 1692

GUARDHOUSE 1986

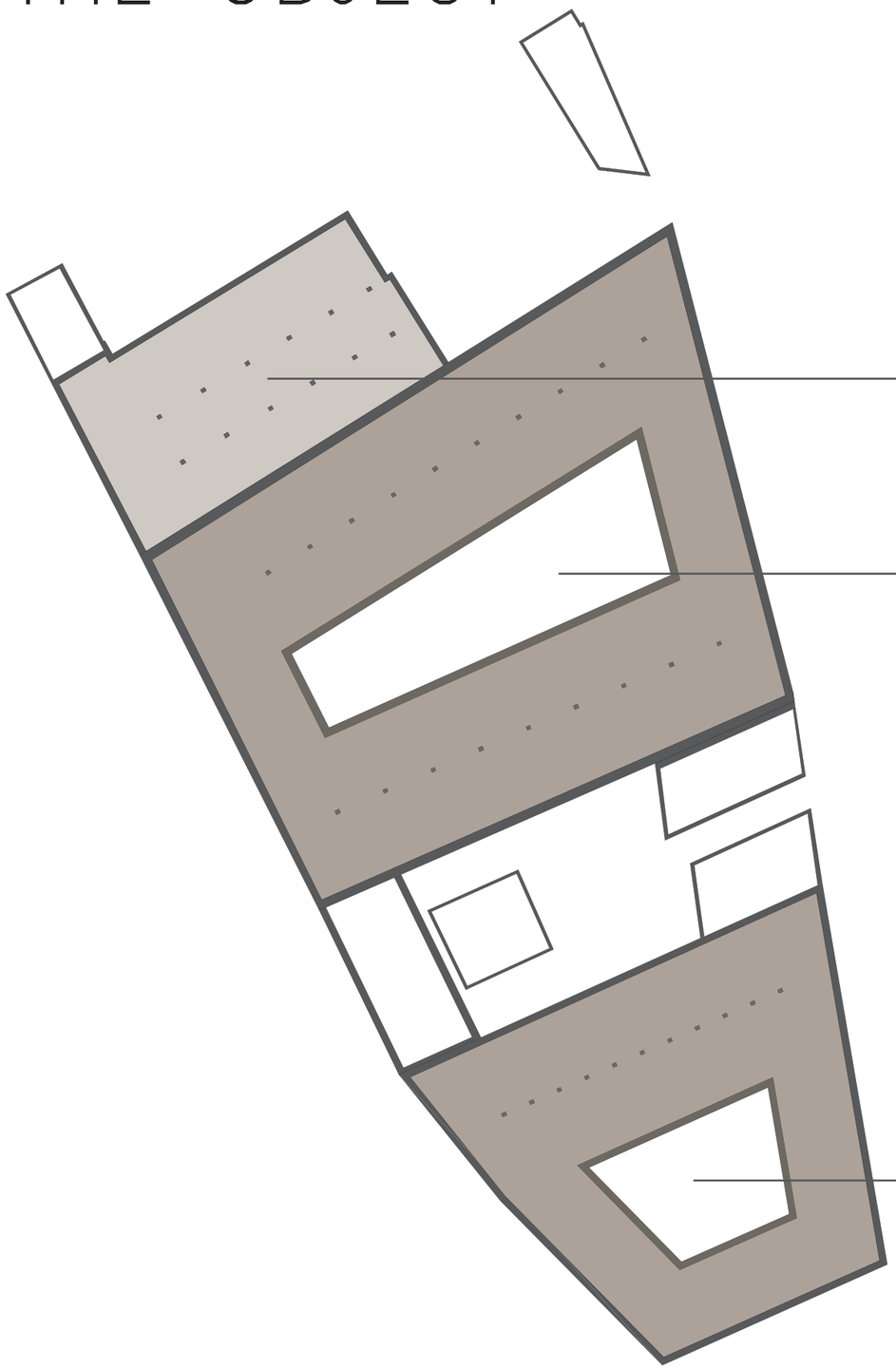
GUARDHOUSE 1660

ENTRANCE BUILDING 2004

CONNECTION BUILDING 1692

BUILDING 1602

THE OBJECT

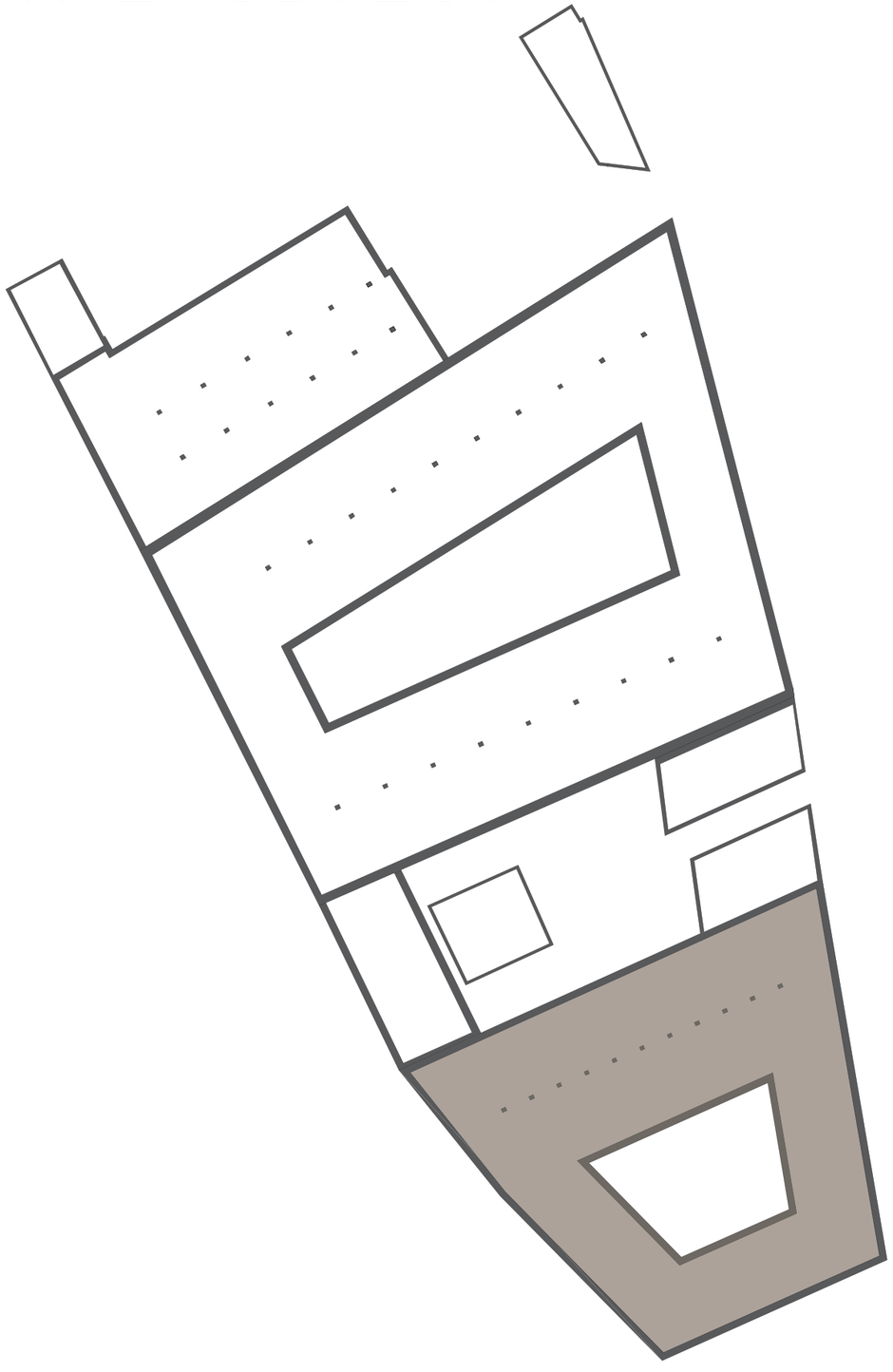


VOC BUILDING 1802

BUILDING 1692

BUILDING 1602

THE OBJECT



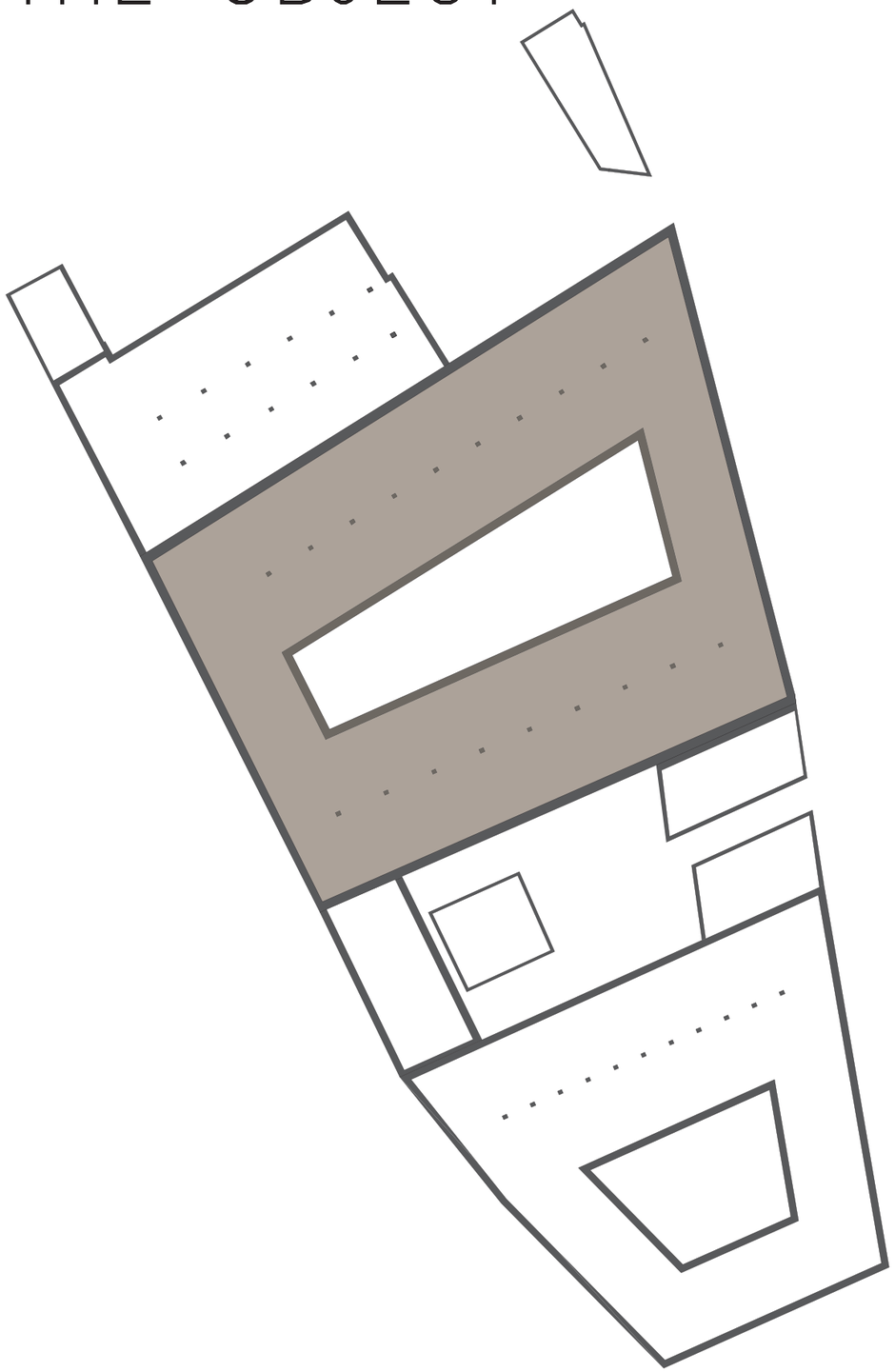


FIRST FLOOR



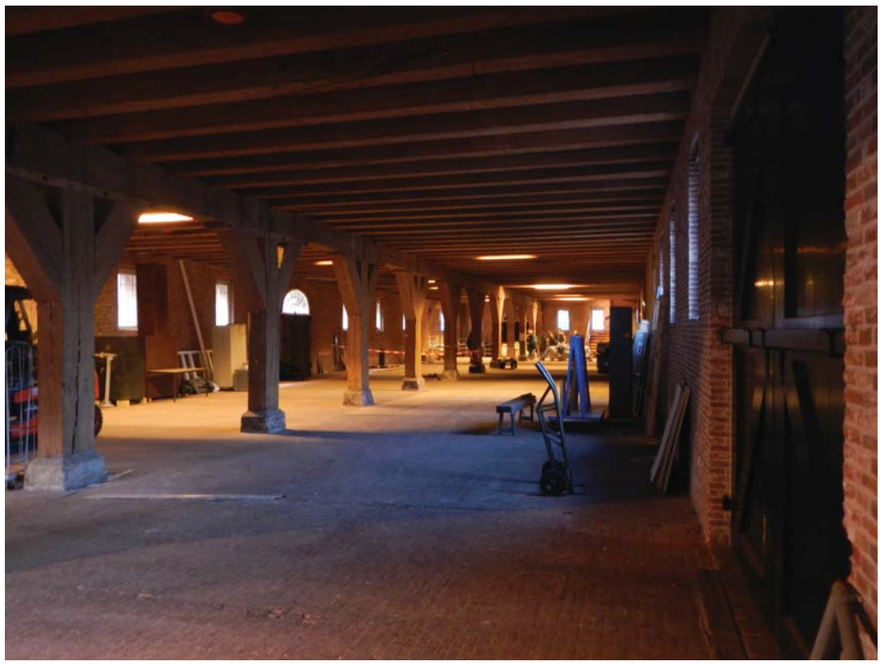
GROUND FLOOR

THE OBJECT





FIRST FLOOR



GROUND FLOOR

PROBLEM

THE ARMAMENTARIUM IS NOT BUILT AS ONE BUILDING; IT EXISTS OUT OF VARIOUS BUILDINGS PUT TOGETHER.

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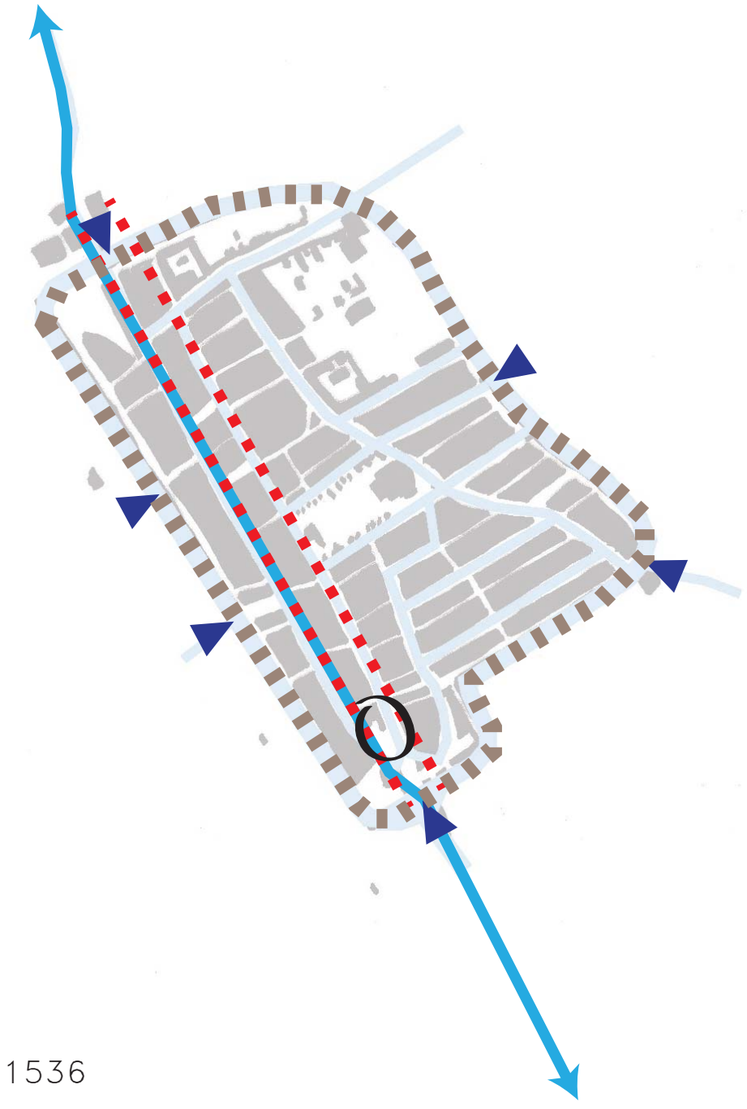
ANALYSIS

- URBAN
- ARCHITECTURAL
- TECHNICAL
- VALUE ASSESSMENT

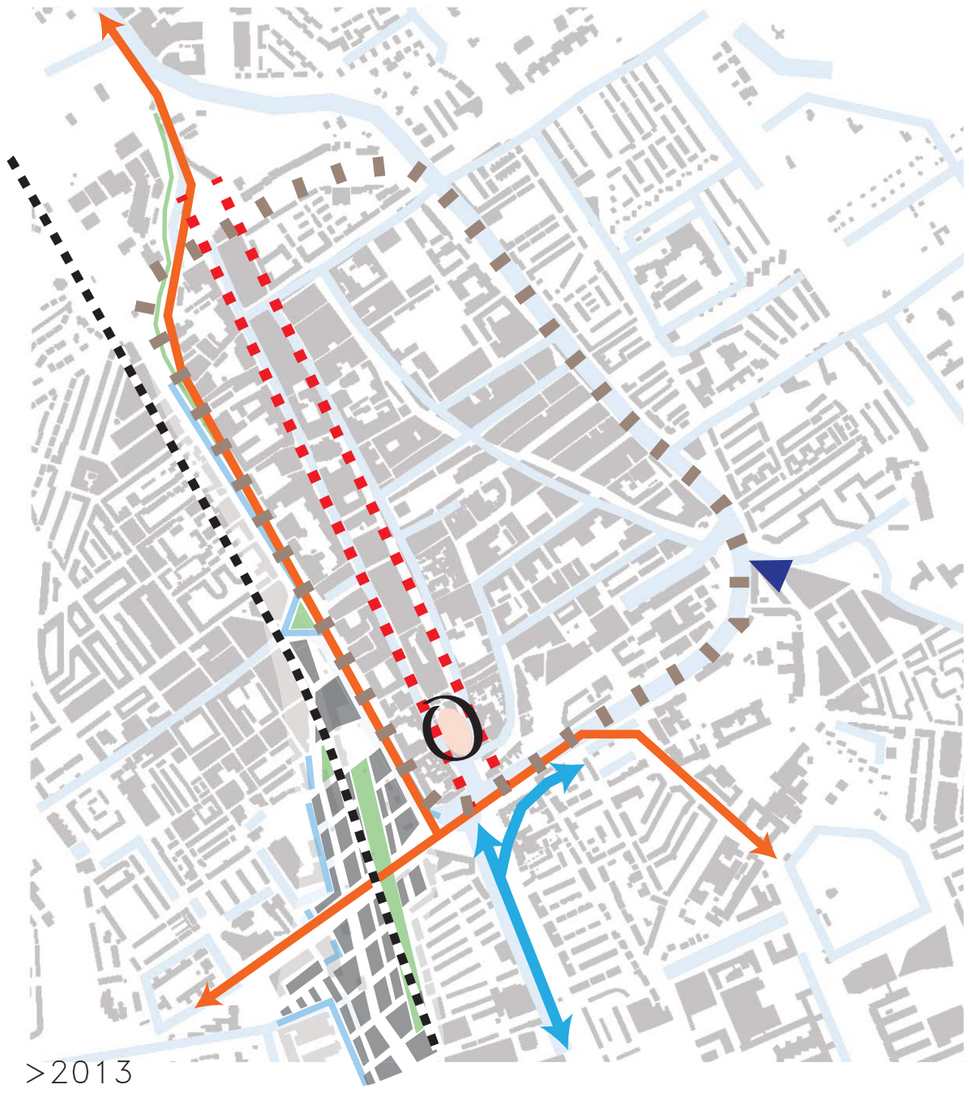
URBAN

QUESTION > What is the relation between the growth of the city and the meaning of the Armamentarium within this city?



1536

strong axes
city border
city gates
routing: water



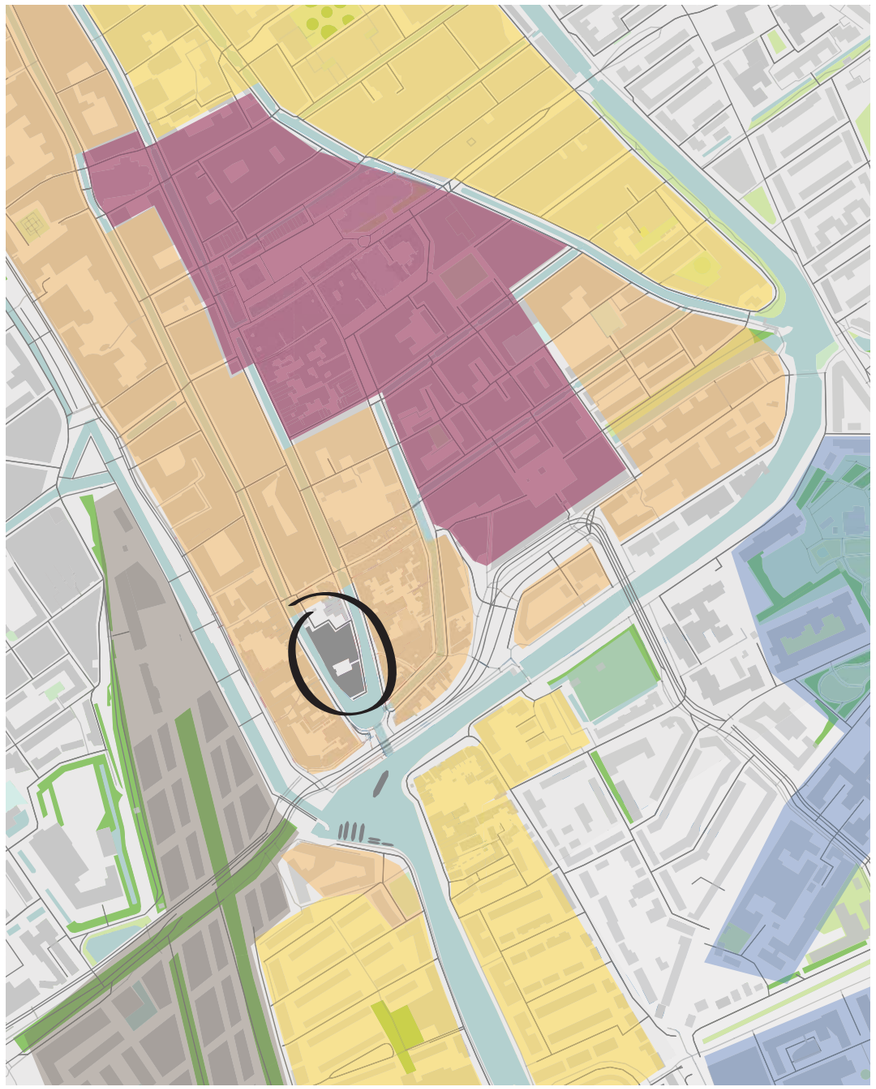
>2013

routing: railroad
routing: freeway

URBAN

QUESTION > What is the position of the Armamentarium within the diverse program of the city?

PROGRAM

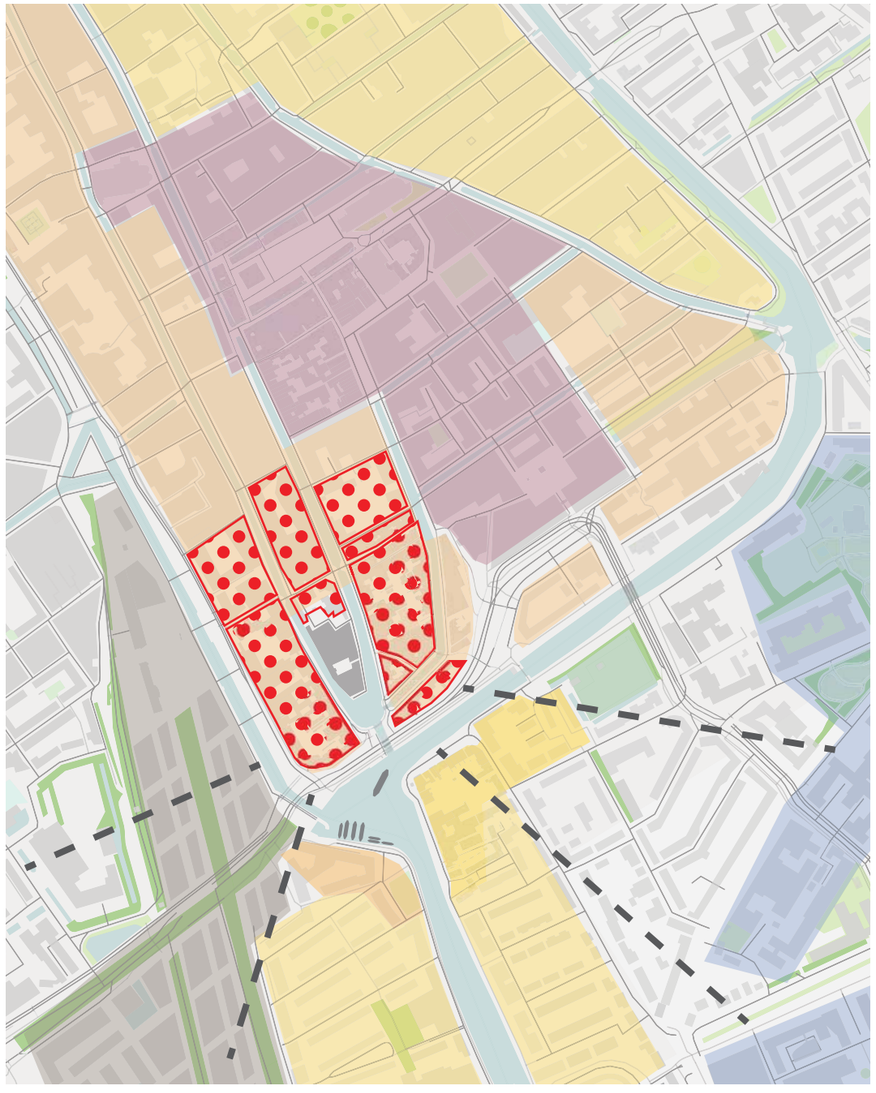


creative city centre
private area
mixed area
Technical University
railway zone

URBAN

QUESTION > What is the position of the Armamentarium within the diverse program of the city?

BARRIERS



visual barrier
physical barriers



source: Hielkje Zijlstra

URBAN

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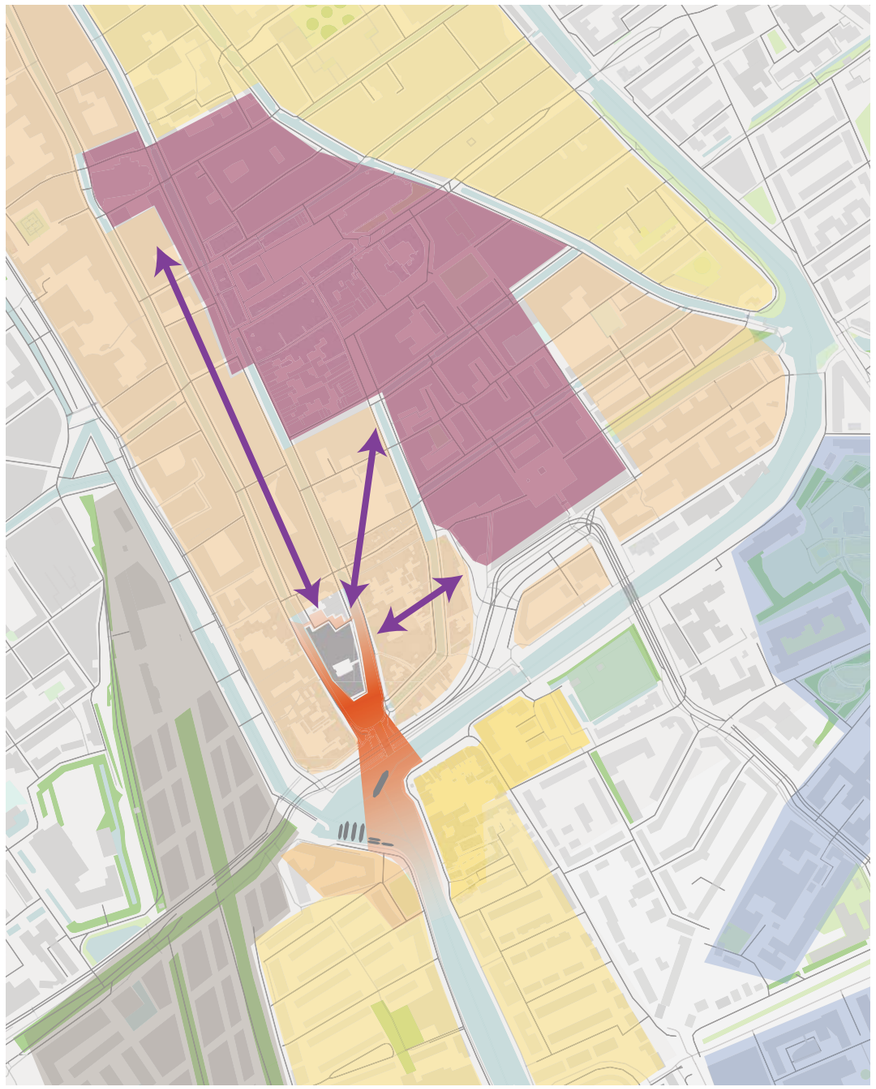
CONNECTIONS

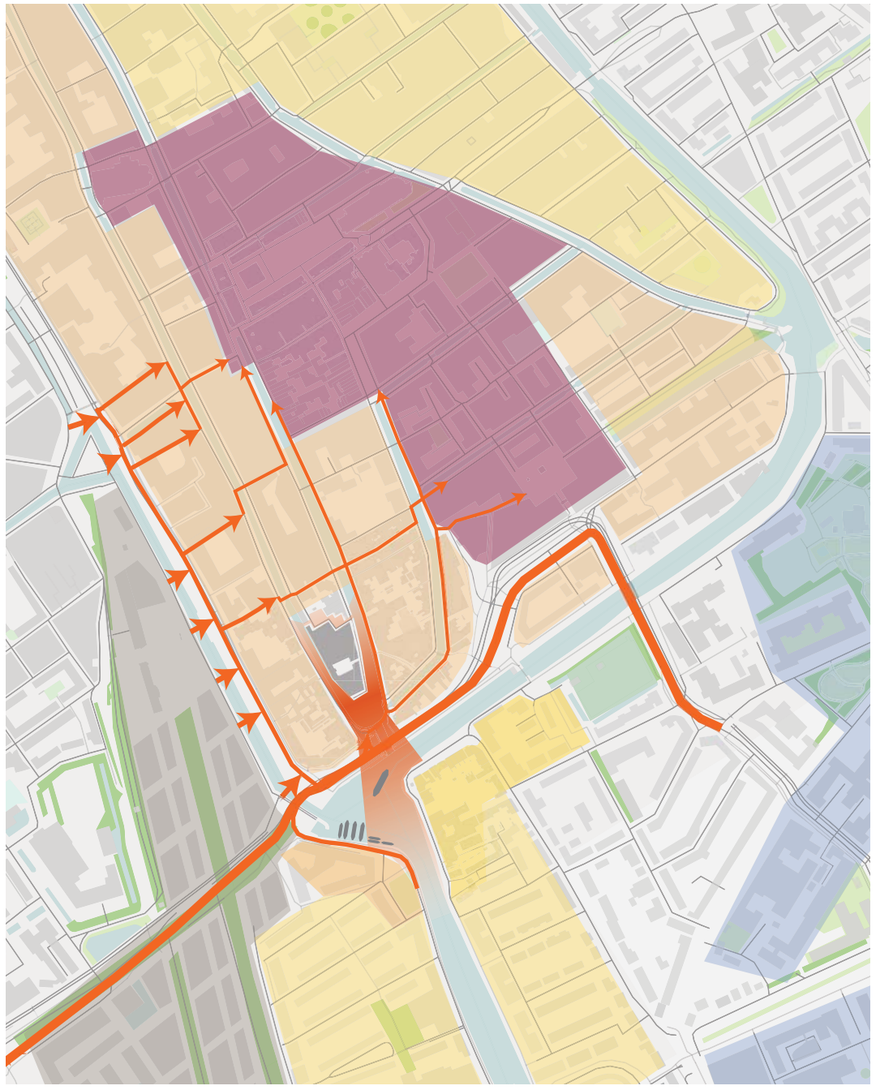


visual connection: Zuidkolk
physical connections

URBAN

QUESTION > What is the position of the Armamentarium within the diverse program of the city?

ROUTING



routing

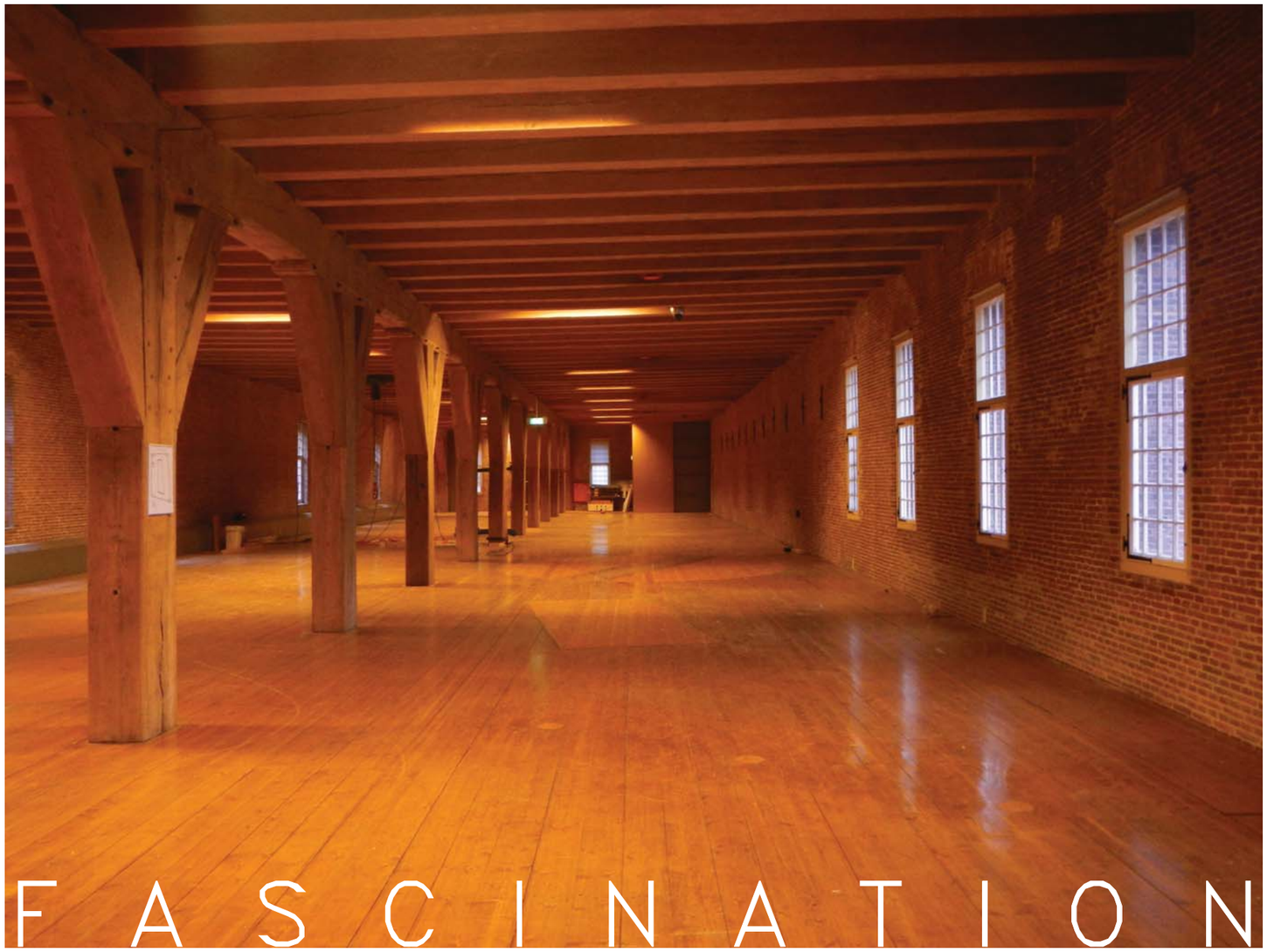
ACCESSIBILITY



source: Hielkje Zijlstra

ARCHITECTURAL

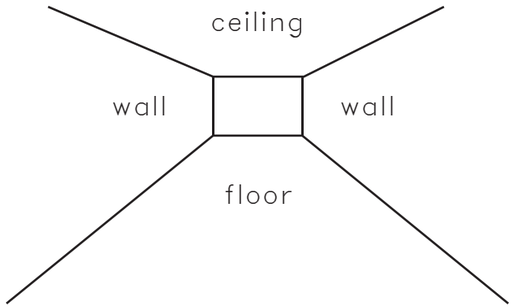
QUESTION > What interior spaces I find valuable and by what tangible and intangible aspects define these interior spaces?



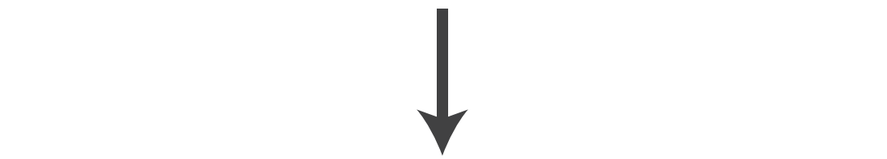
ARCHITECTURAL

QUESTION > What interior spaces I find valuable and by what tangible and intangible aspects define these interior spaces?

TANGIBLE
SPATIAL BOUNDARIES

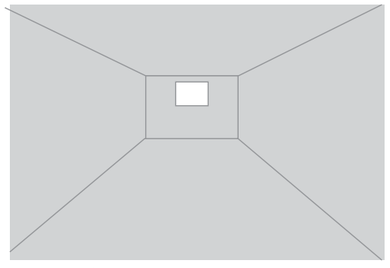


INFLUENCES

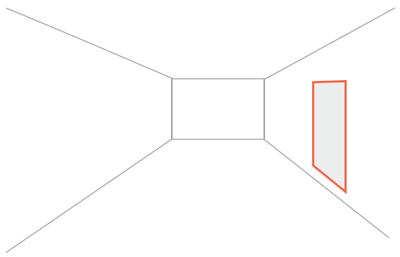


depth/shadow

color/ material

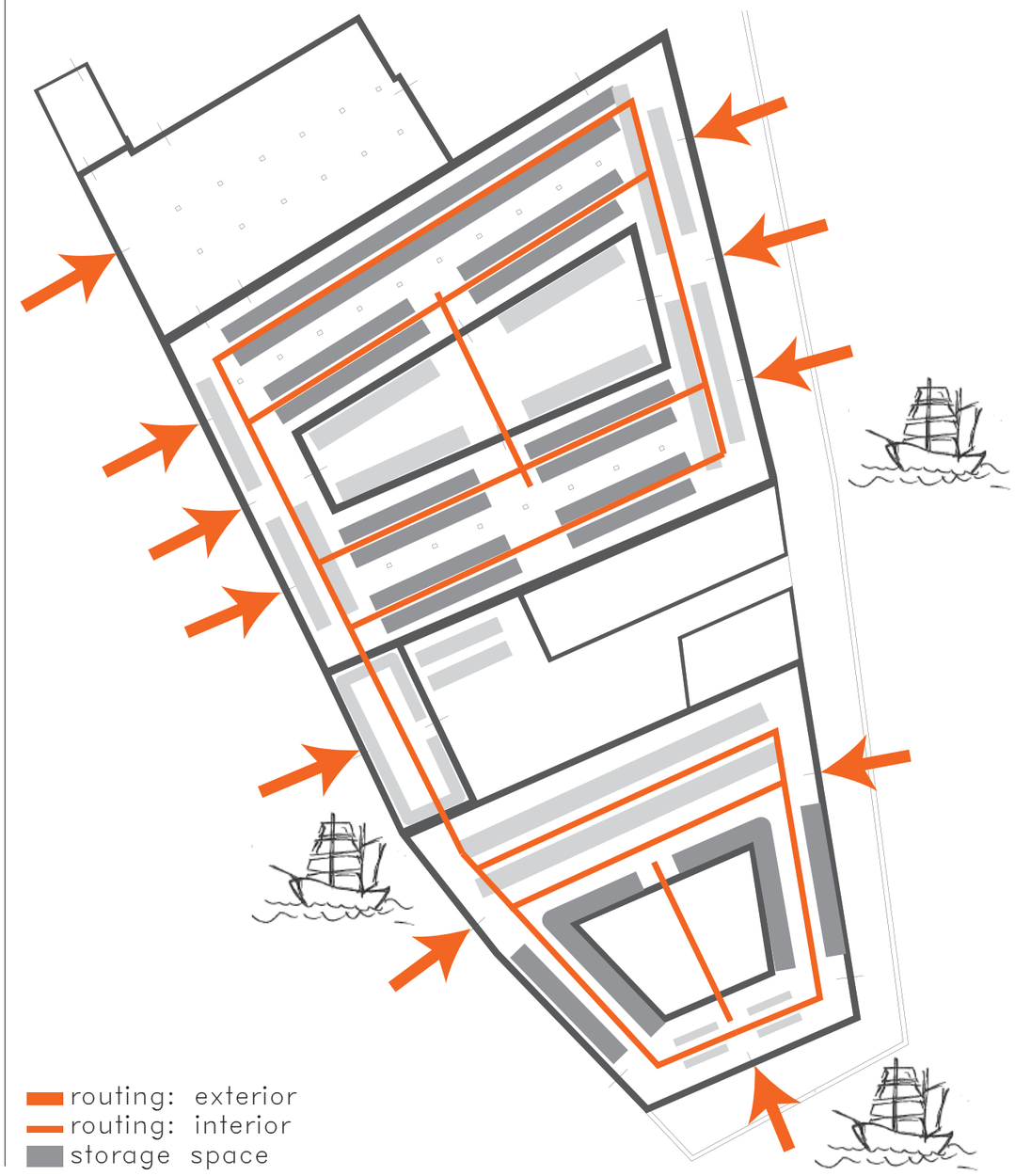


focal accents



breaks

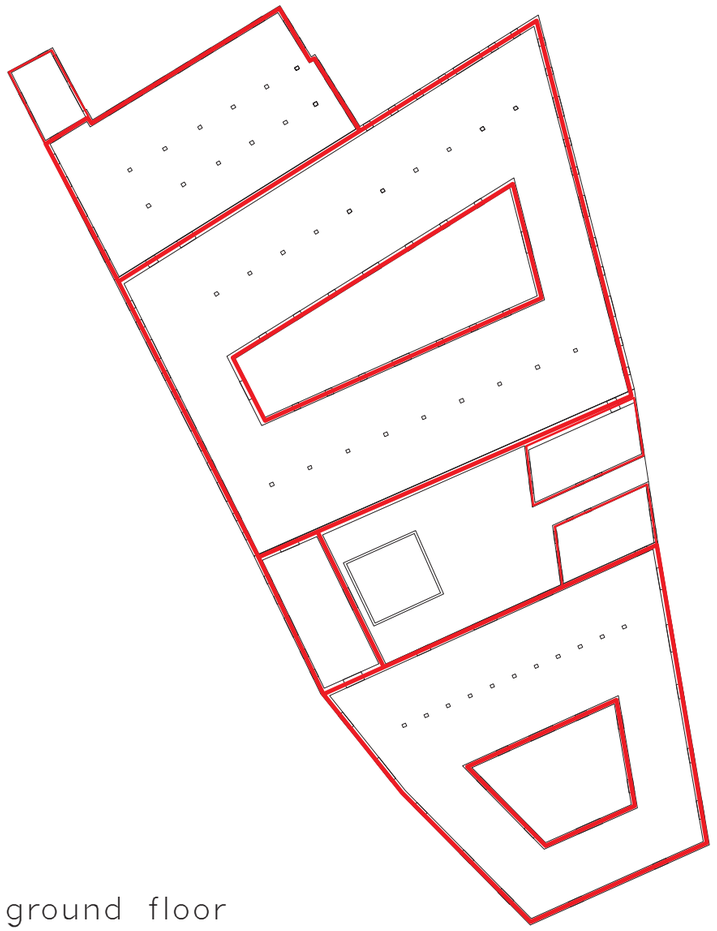
INTANGIBLE
HISTORICAL ROUTING & FUNCTIONS



TECHNICAL

QUESTION > What structural elements influence the appearance of the spatial boundaries?

LOAD BEARING MASONRY SHELL



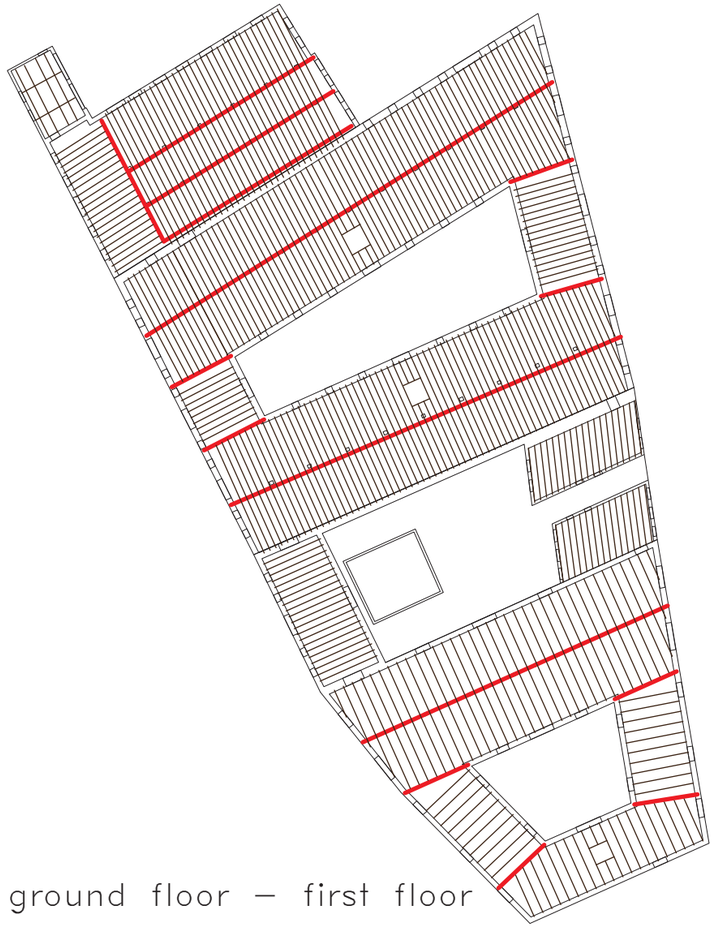
ground floor

ROWS OF COLUMNS: 'STANDVINKEN'

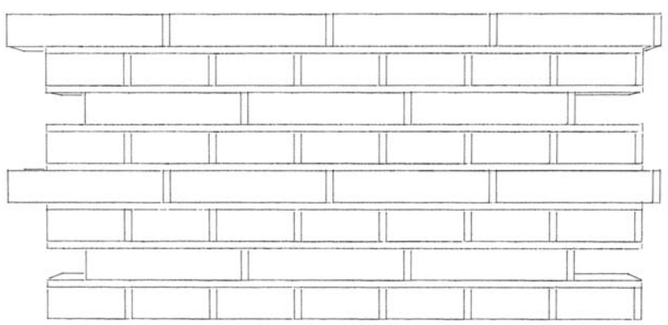


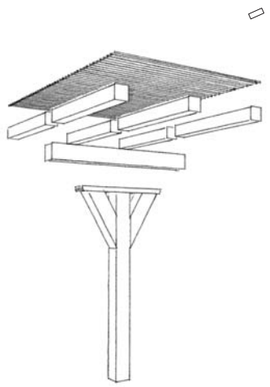
ground floor

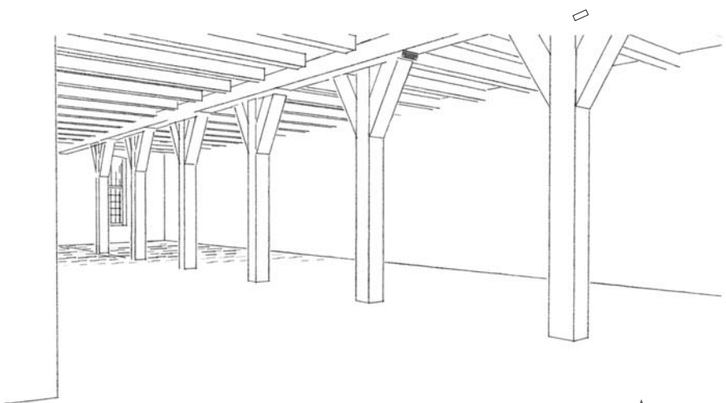
ORGANISATION OF GIRDERS



ground floor – first floor

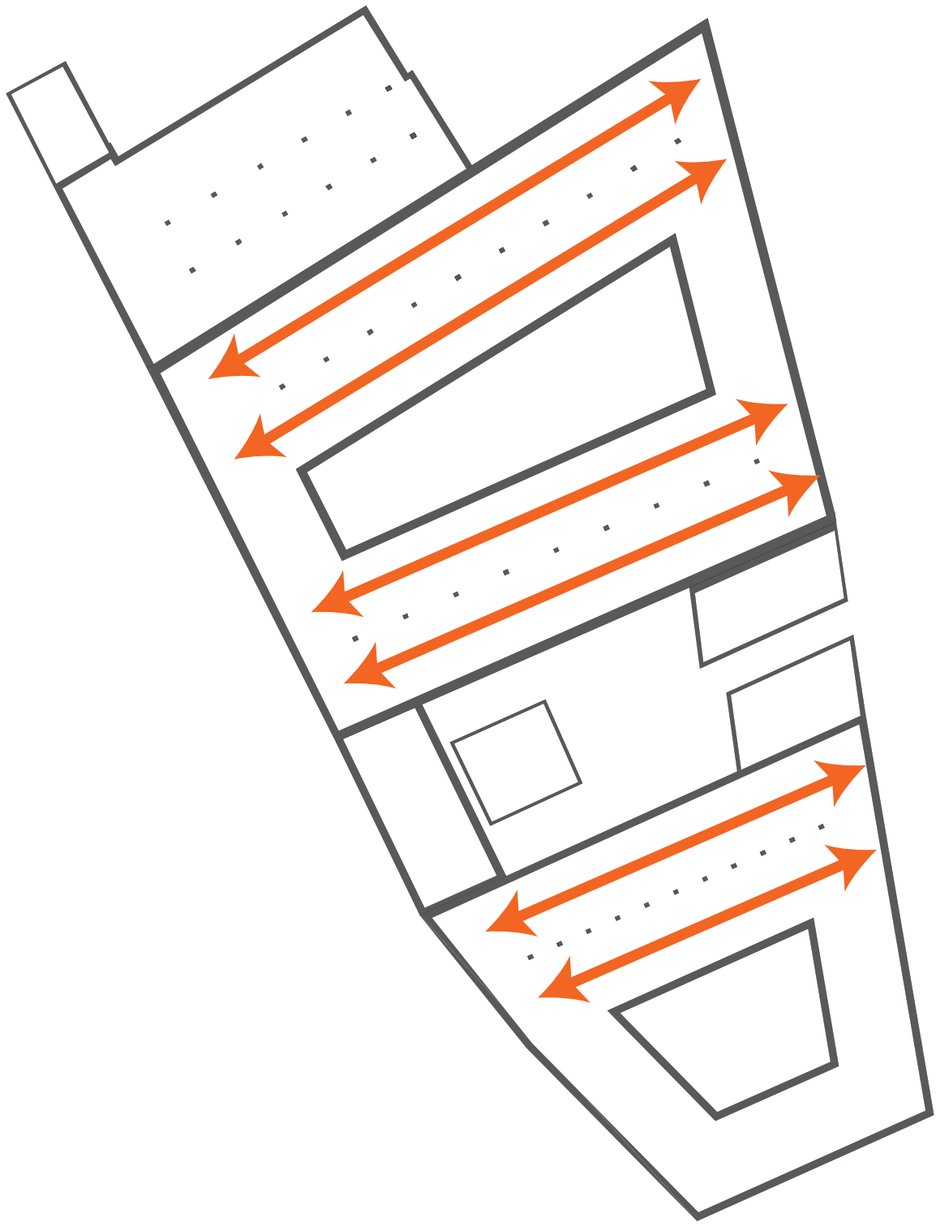




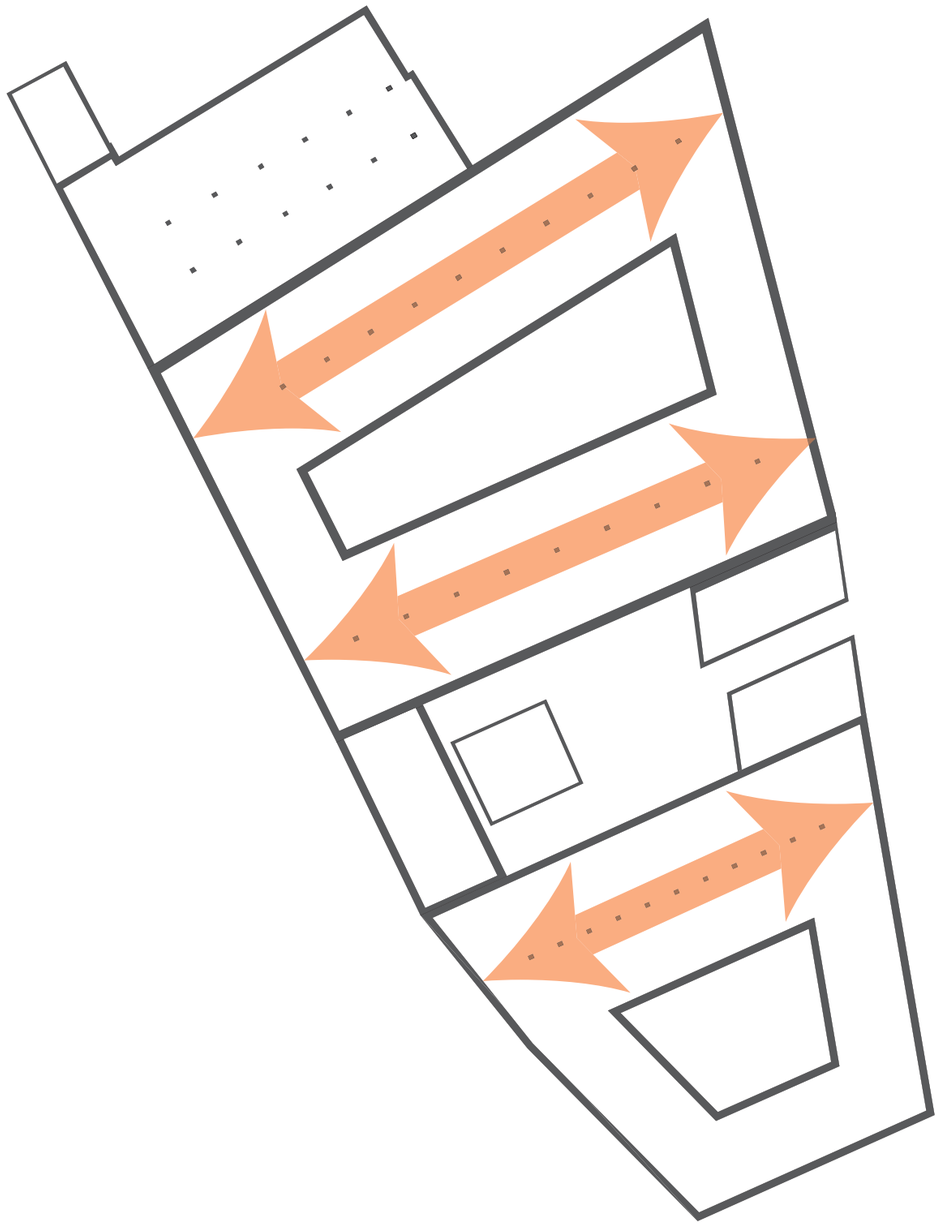


VALUABLE INTERIOR SPACES

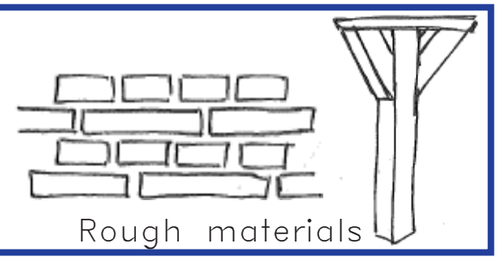
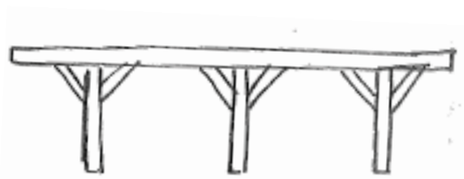
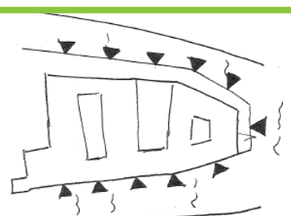
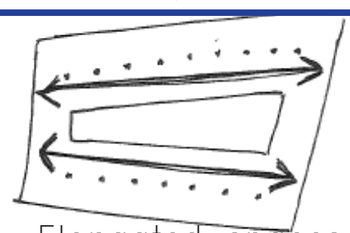
COLUMNS AS SPATIAL BOUNDARY



COLUMNS AS CENTRAL OBJECTS WITHIN THE SPATIAL ENVELOPE



VALUE ASSESSMENT

	URBAN	COMPLEX	DETAIL
GENERAL HISTORIC VALUES	 VOC history		
URBAN VALUES	 Former important entrance		
ARCHITECTURAL HISTORIC VALUES		 Various traditional facades	 Rough materials
CONSTRUCTION HISTORIC VALUES		 Rows of columns	
FUNCTIONAL VALUES	 Direct presence of water	 Easy transport of items	 Elongated spaces

High value

Positive value

DESIGN

GOAL

THE NEW PROGRAM IS A REFLECTION OF THE CREATIVE PROGRAM OF THE CITY CENTER,

TOGETHER WITH THE SHAPES OF THE INTERIOR SPACES THE INTERVENTIONS CREATE A HARMONIOUS ARRANGEMENT

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THE GOAL IS ACHIEVED WHILST ON THE ONE HAND CONNECTING THE INDIVIDUAL BUILDINGS WITH EACH OTHER,

AND ON THE OTHER HAND EMBRACING THE FACT THAT THE BUILDINGS WORK AS INDIVIDUALS.

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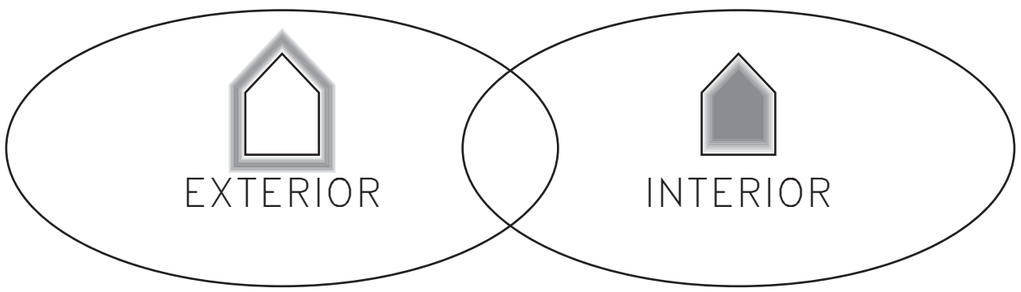
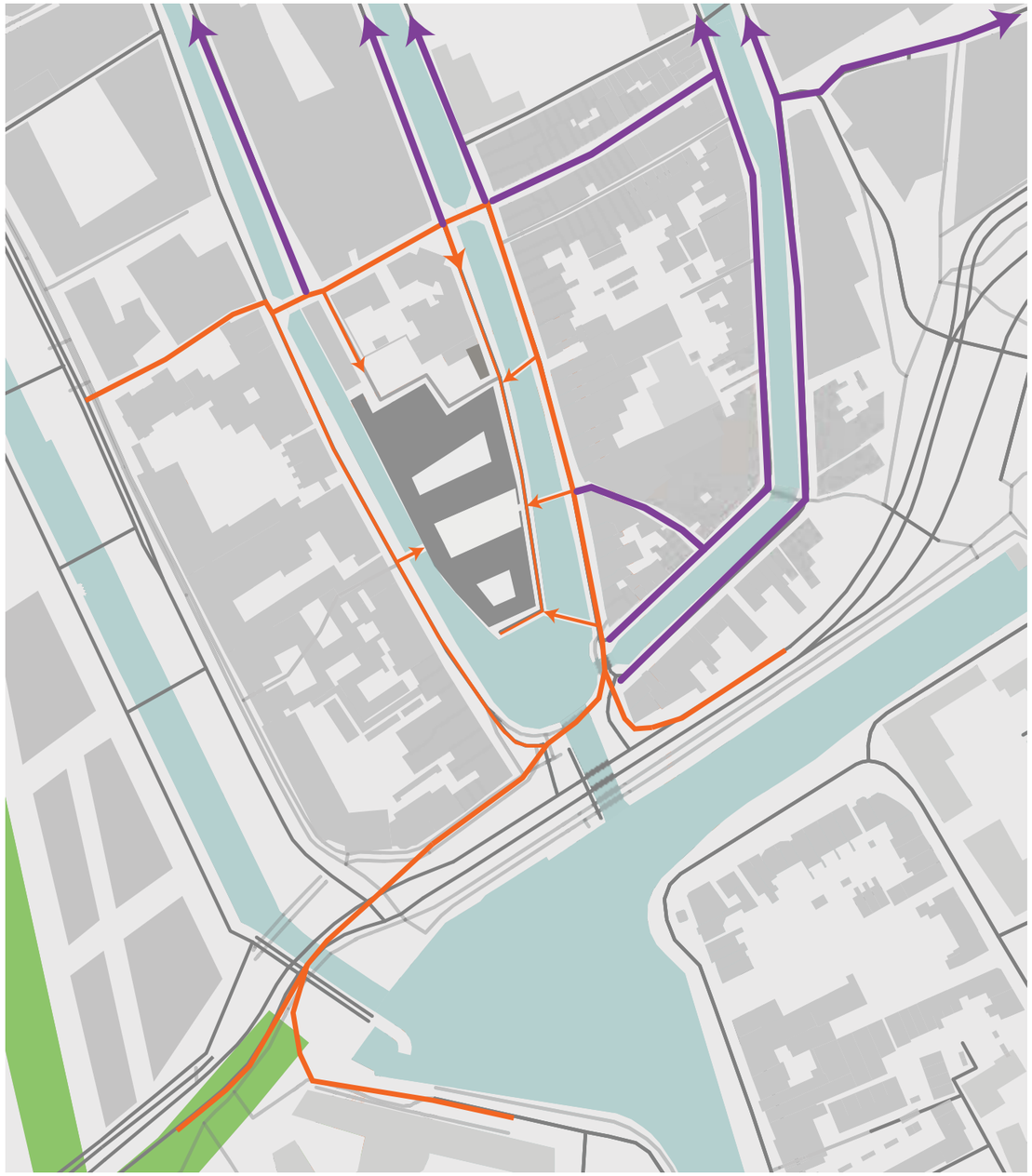


MASTERPLAN

ACCESSIBILITY



building
city center

PROGRAM

A REFLECTION OF DELFT: CREATIVITY & HISTORY

market



Bazaar, Beverwijk

workshops



Horeca & conference center



De horecafabriek, Utrecht

public archive Delft



PROGRAM

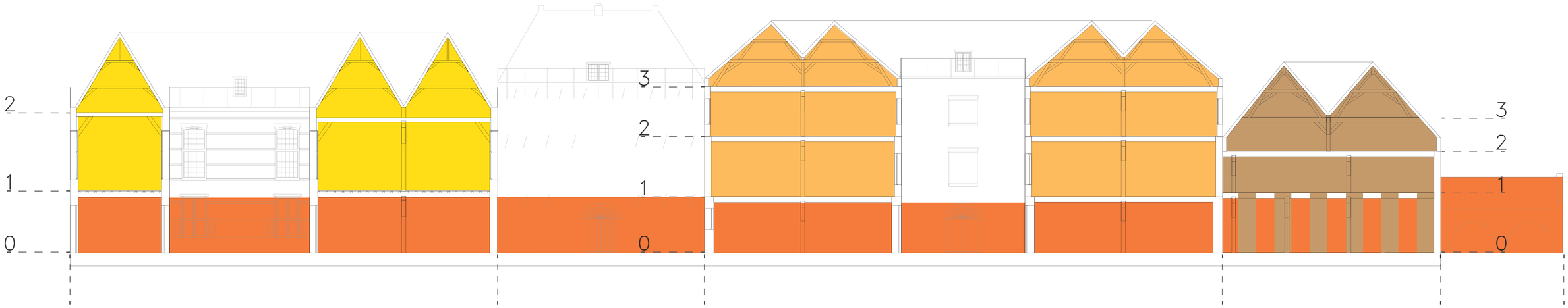
A REFLECTION OF DELFT: CREATIVITY & HISTORY



UNITY
VERSUS
INDIVIDUALS

PROGRAM

A REFLECTION OF DELFT: CREATIVITY & HISTORY



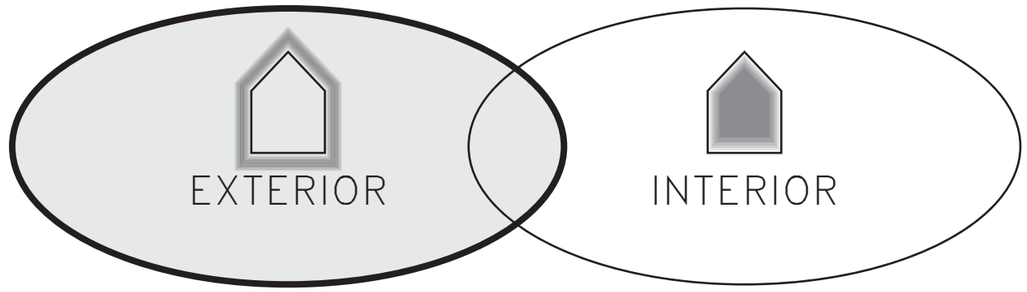
market
horeca/ conference
workshop
public archive



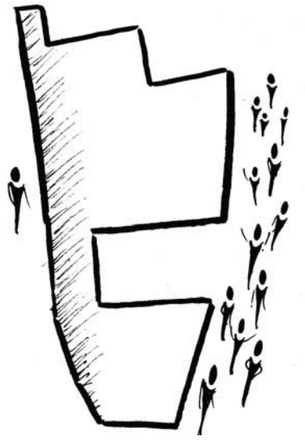
ground floor



upper floors


EXTERIOR
INTERIOR

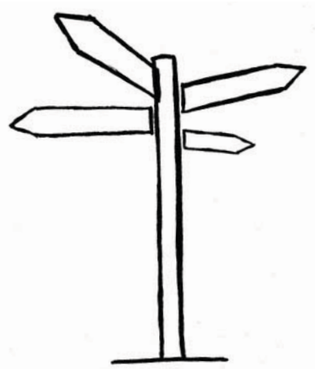
STARTING POINTS EXTERIOR



OPEN & PUBLIC
VERSUS
CLOSED & LOGISTIC



VISIBLE & INVITING



ROUTING

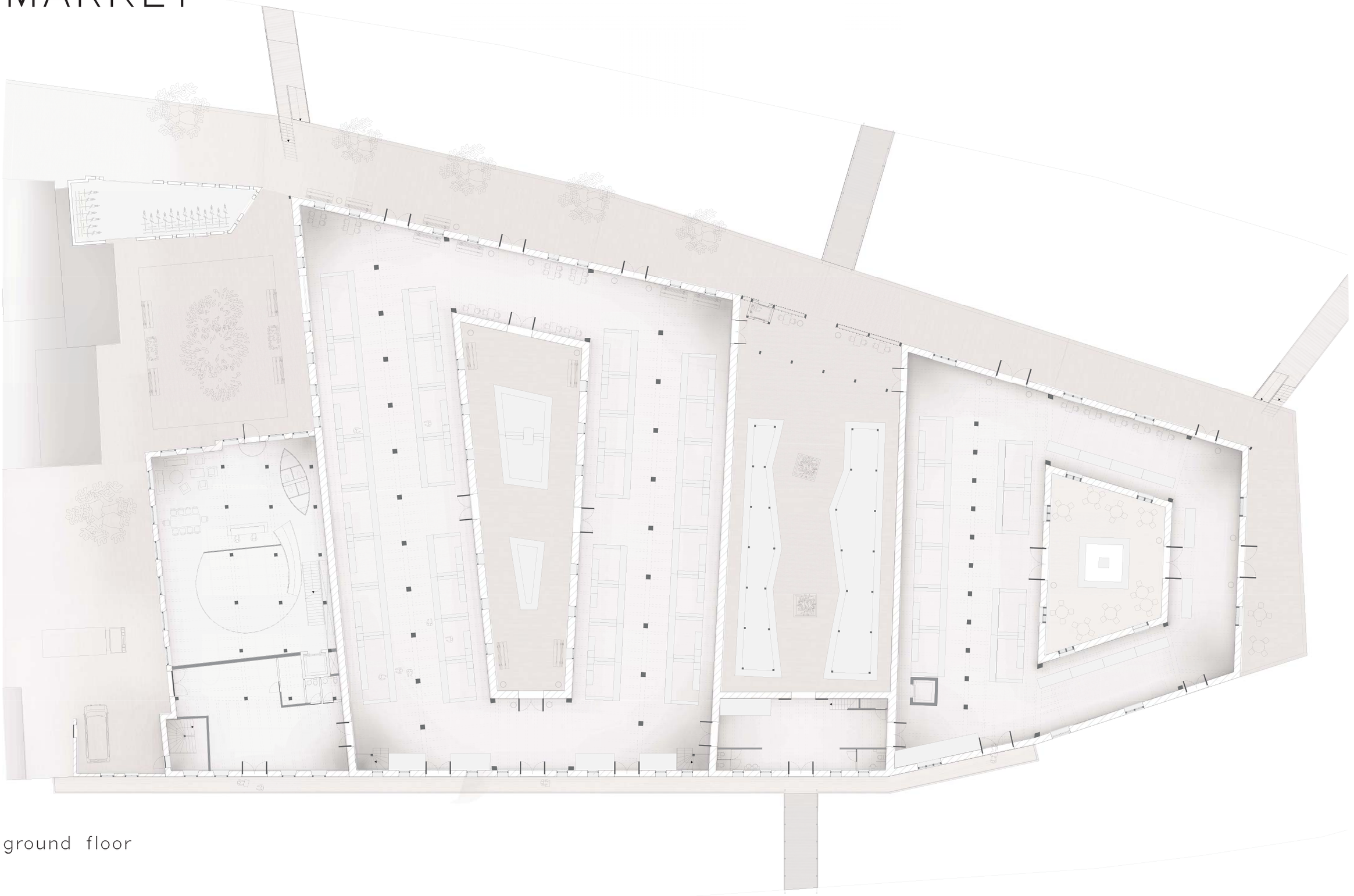
LIFTED STREET



LIFTED STREET



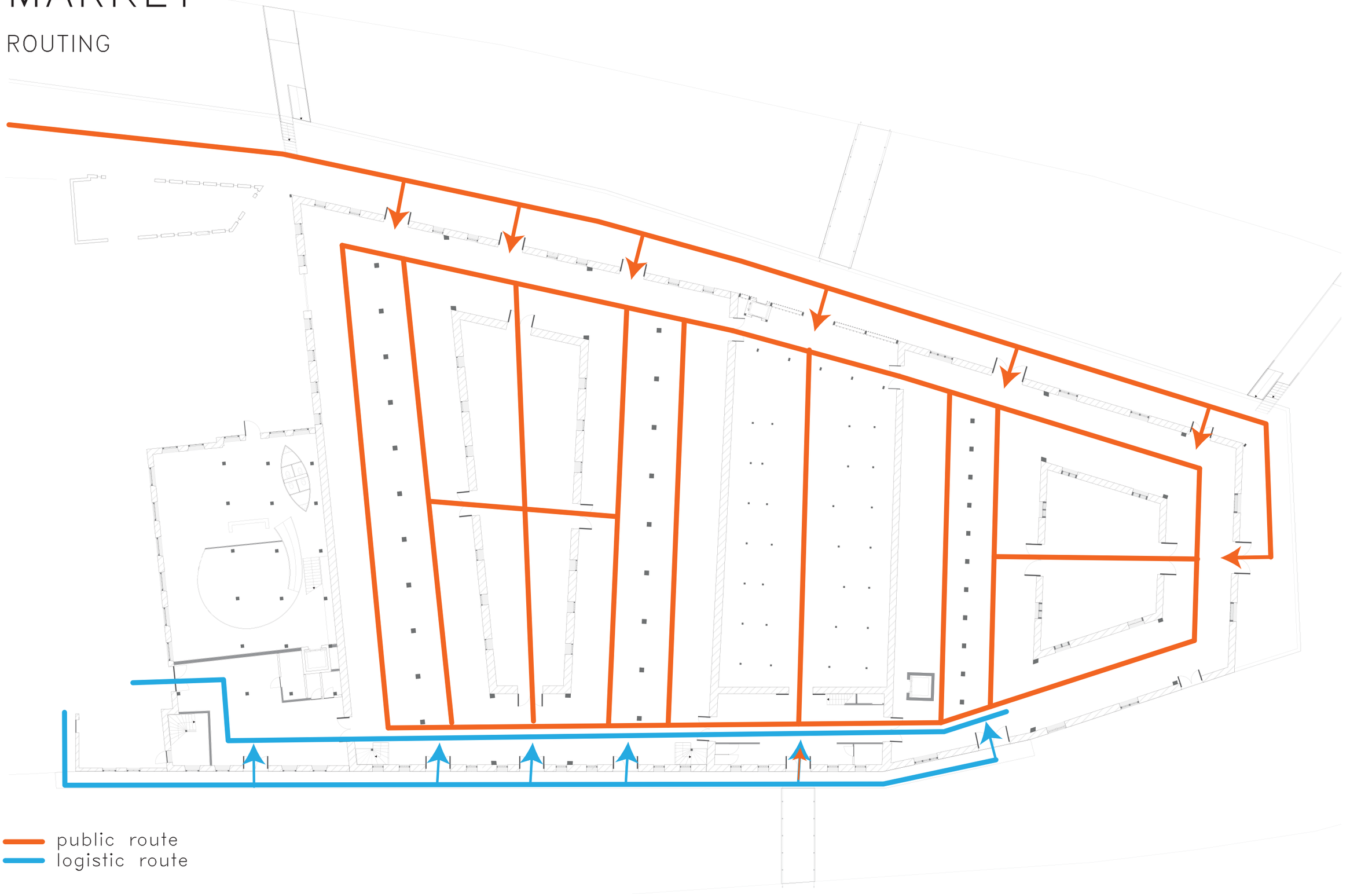
MARKET



ground floor

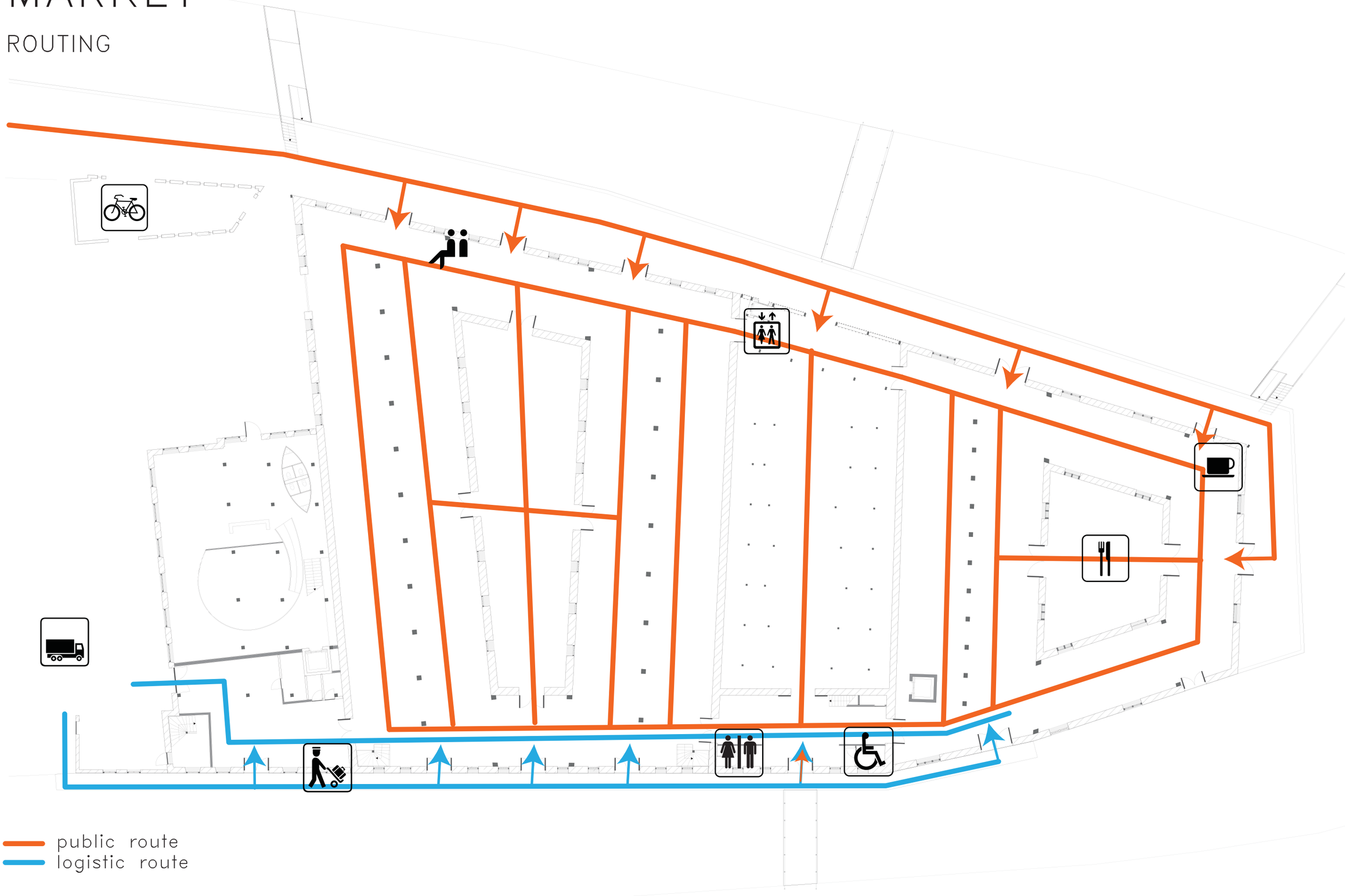
MARKET

ROUTING



MARKET

ROUTING



MARKET

LOGISTIC VERSUS PUBLIC



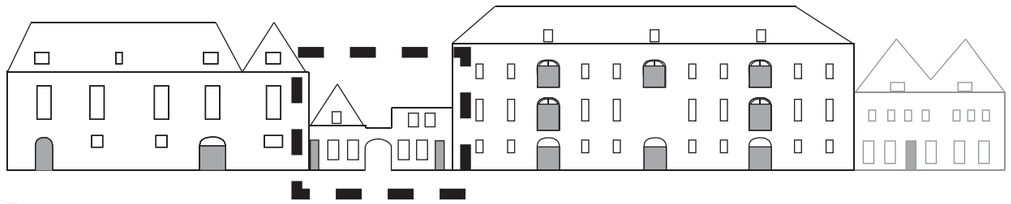
East: public



West: logistic

MARKET

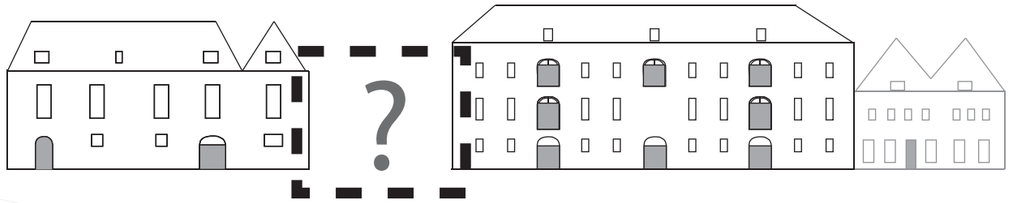
ROUTING



public route

MARKET

ROUTING

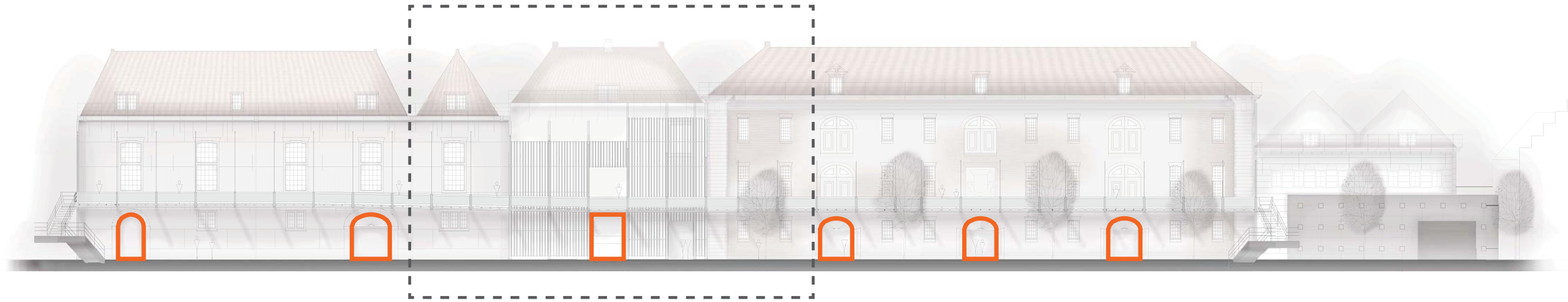


public route

LIFTED STREET

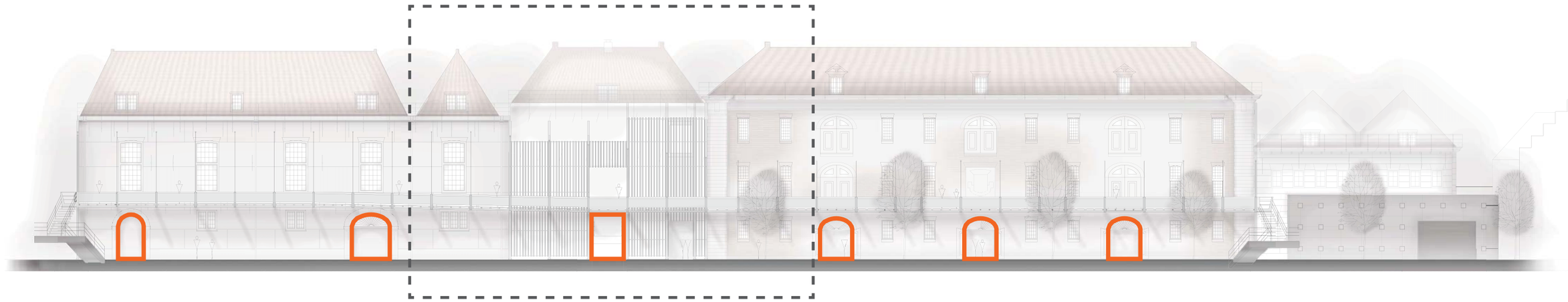


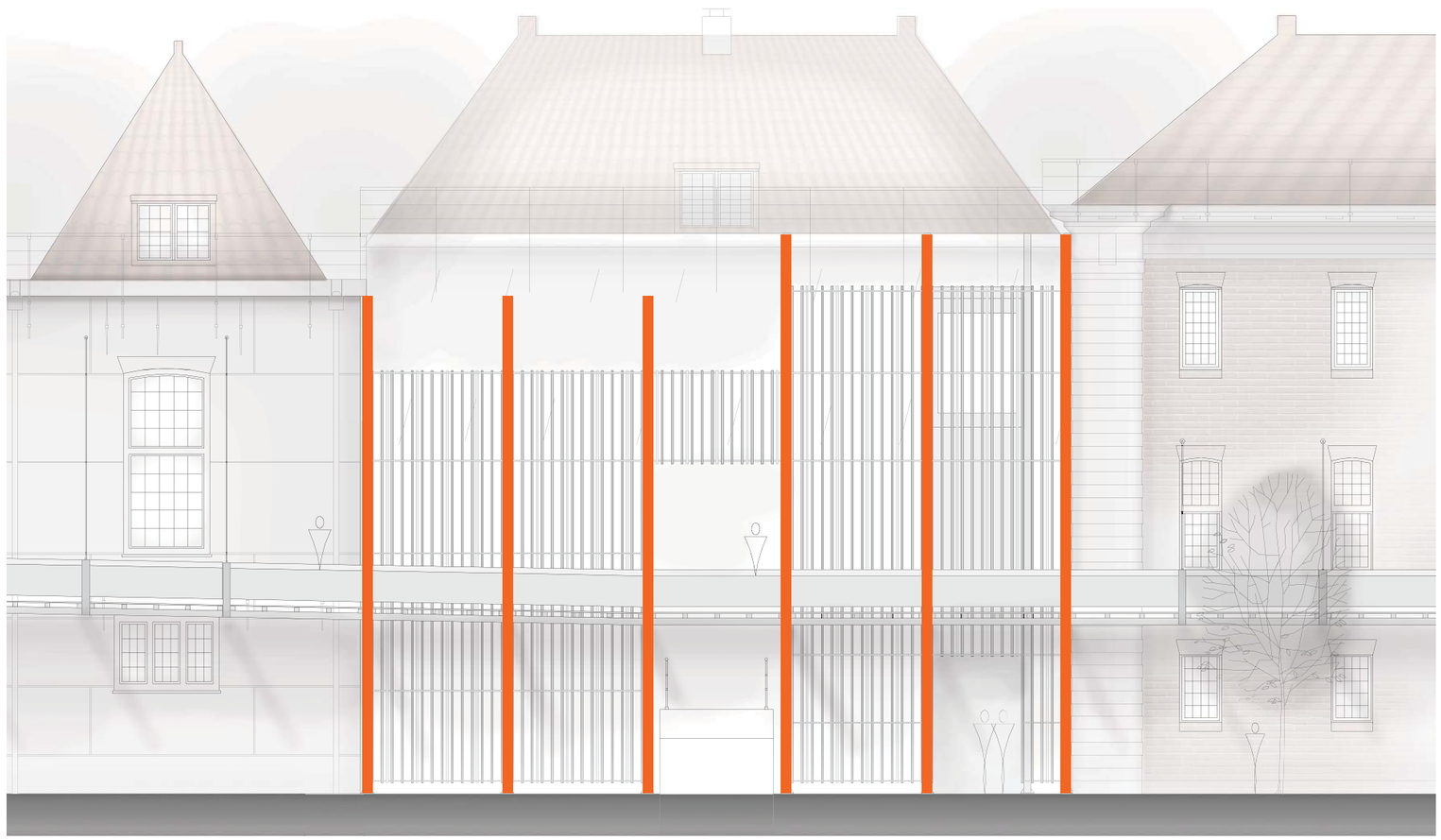
LIFTED STREET





LIFTED STREET





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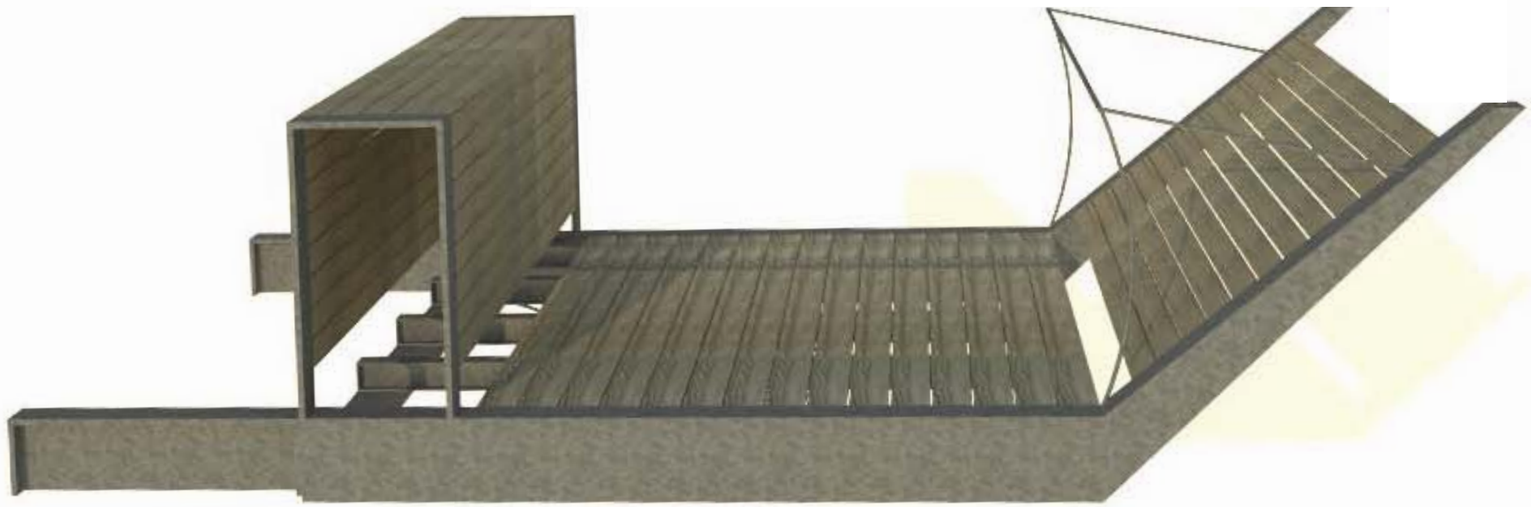

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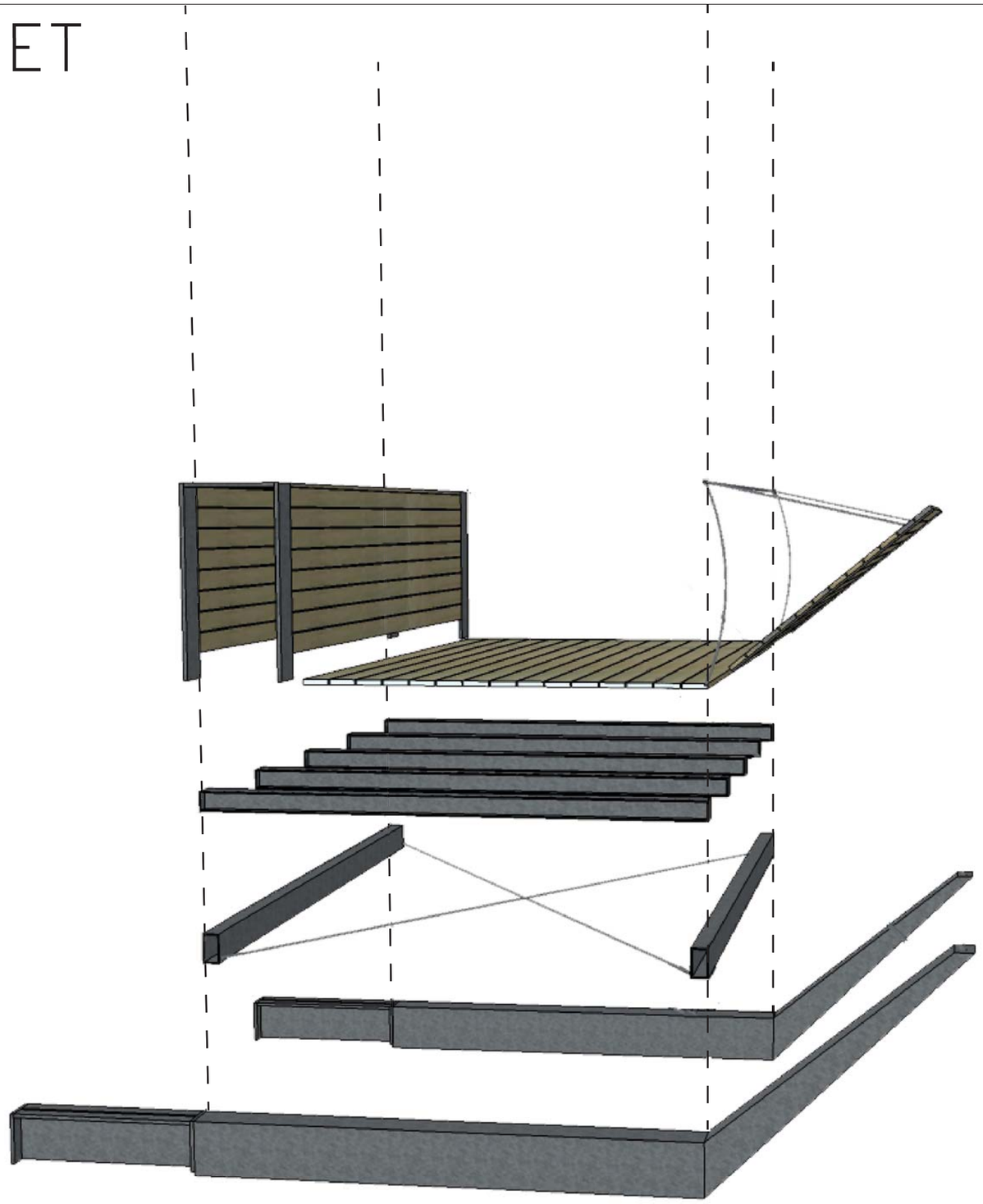

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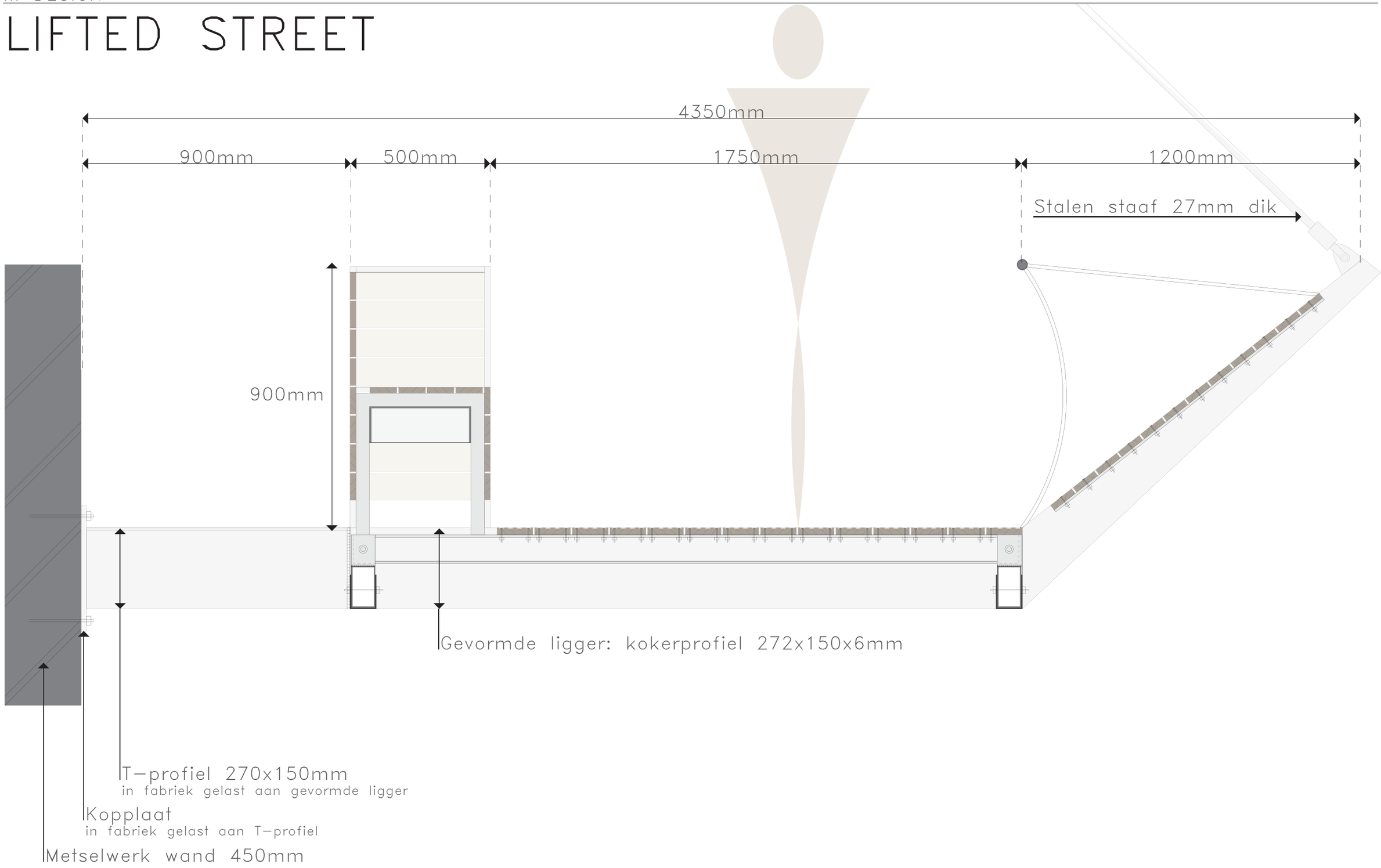

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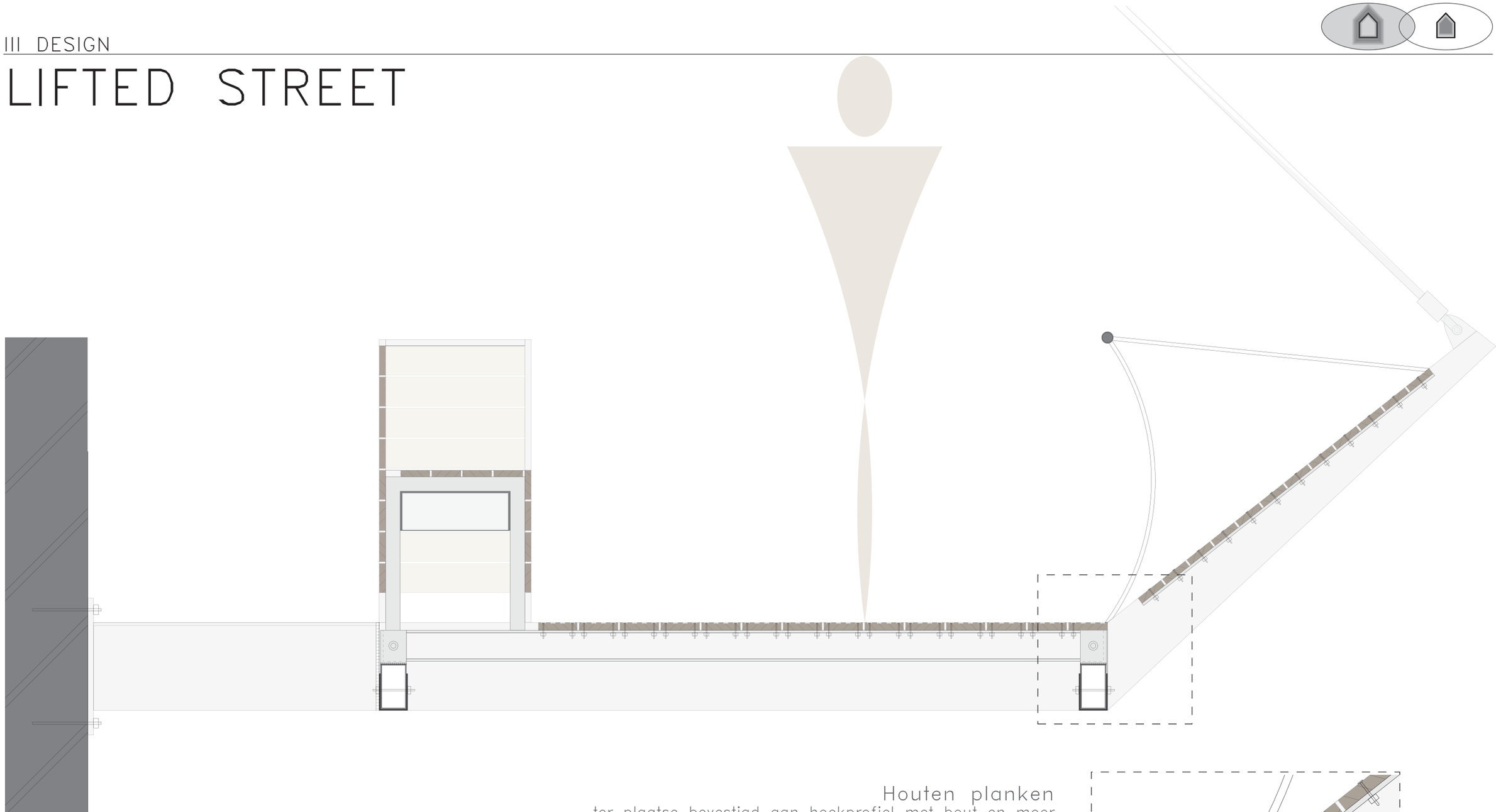

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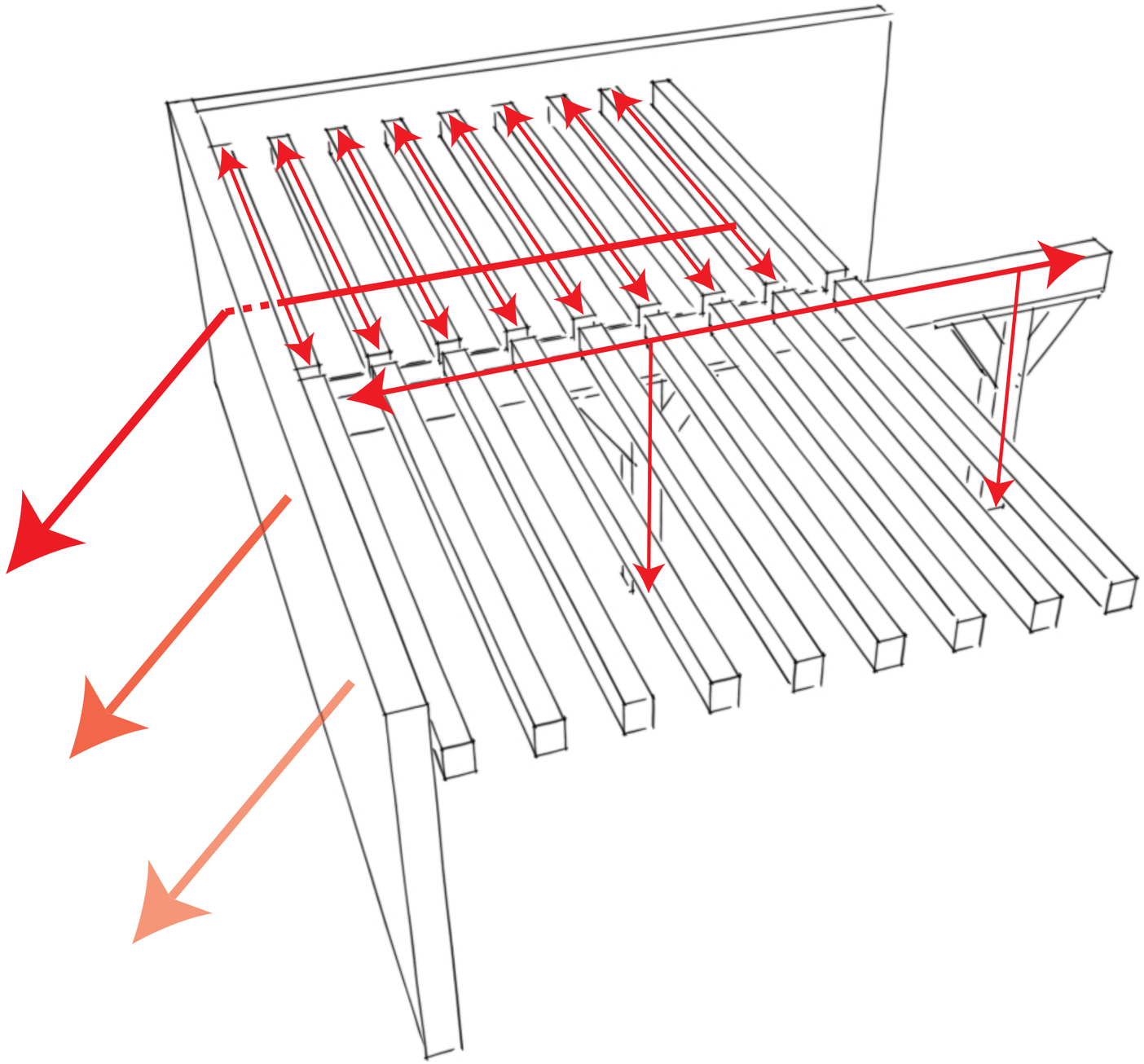

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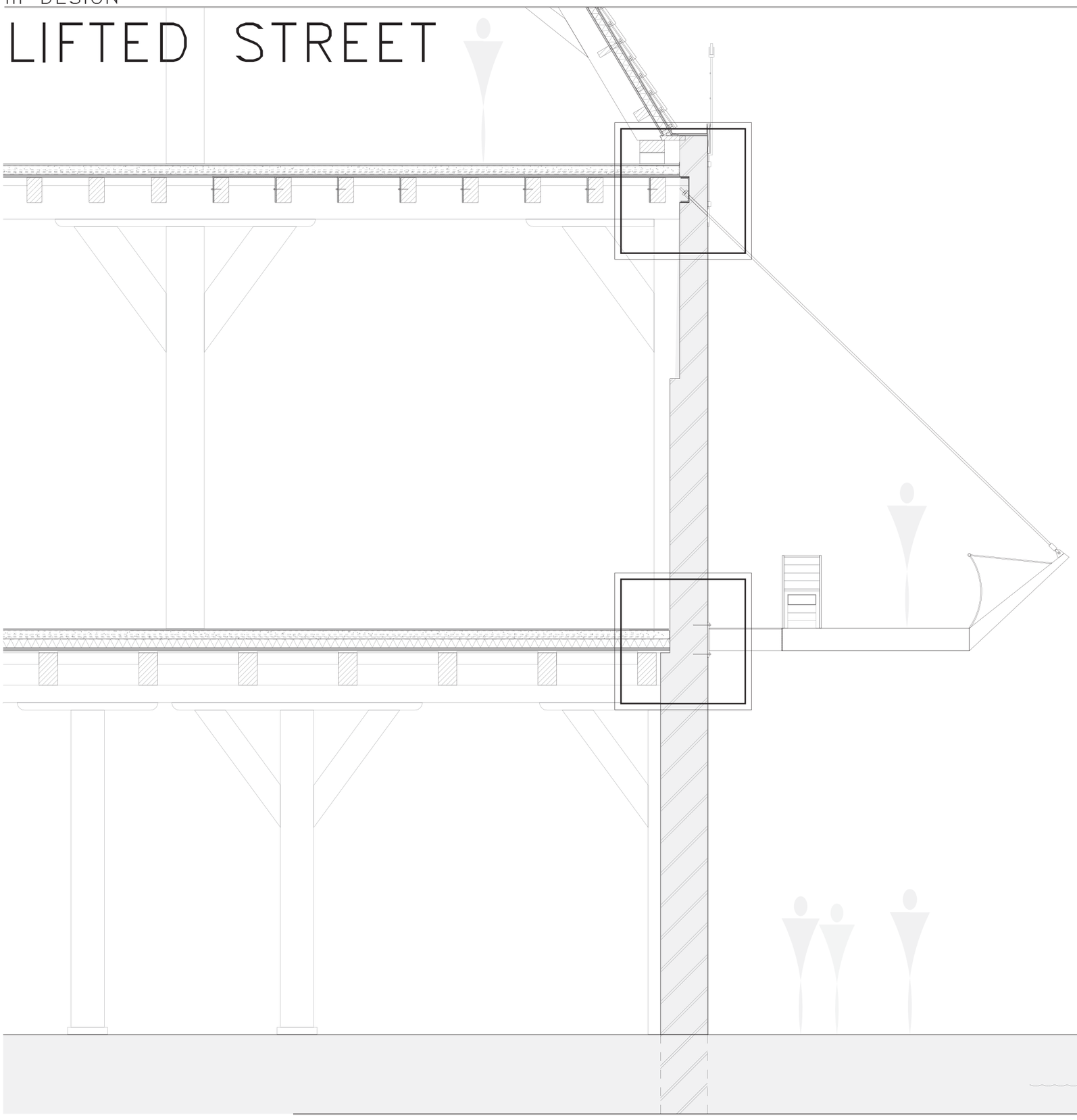

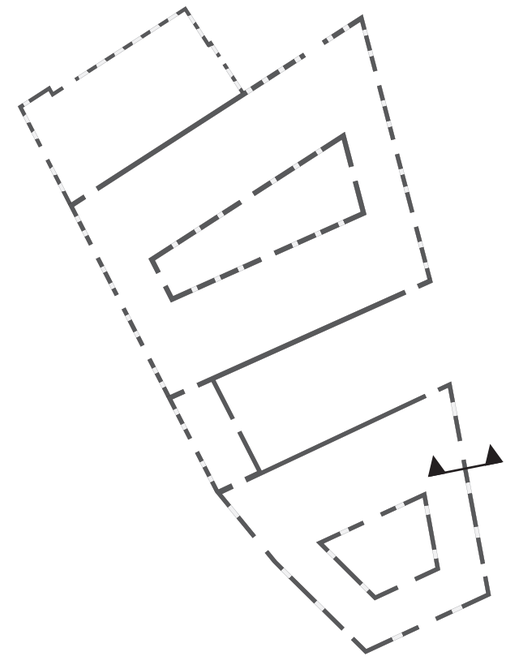

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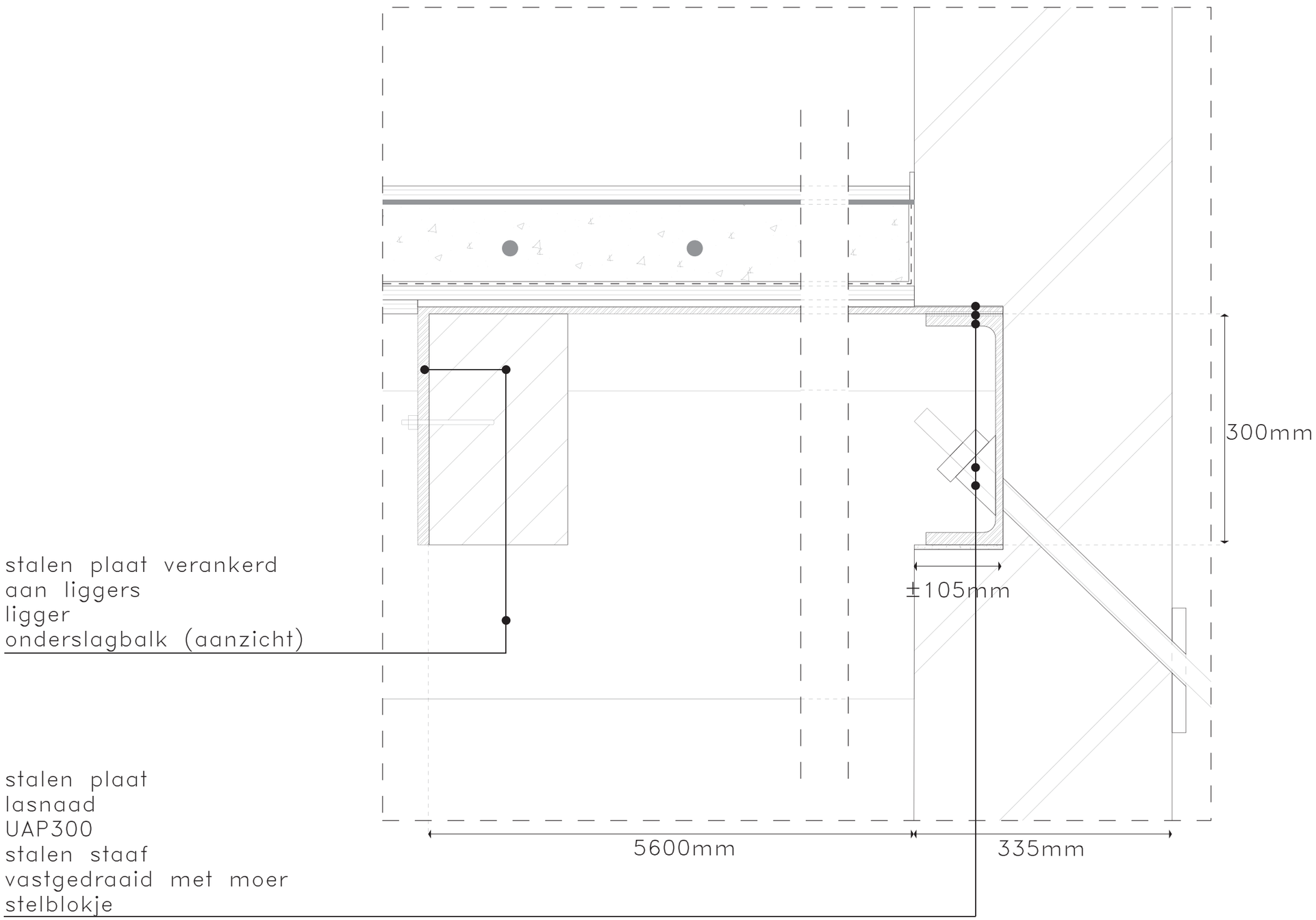

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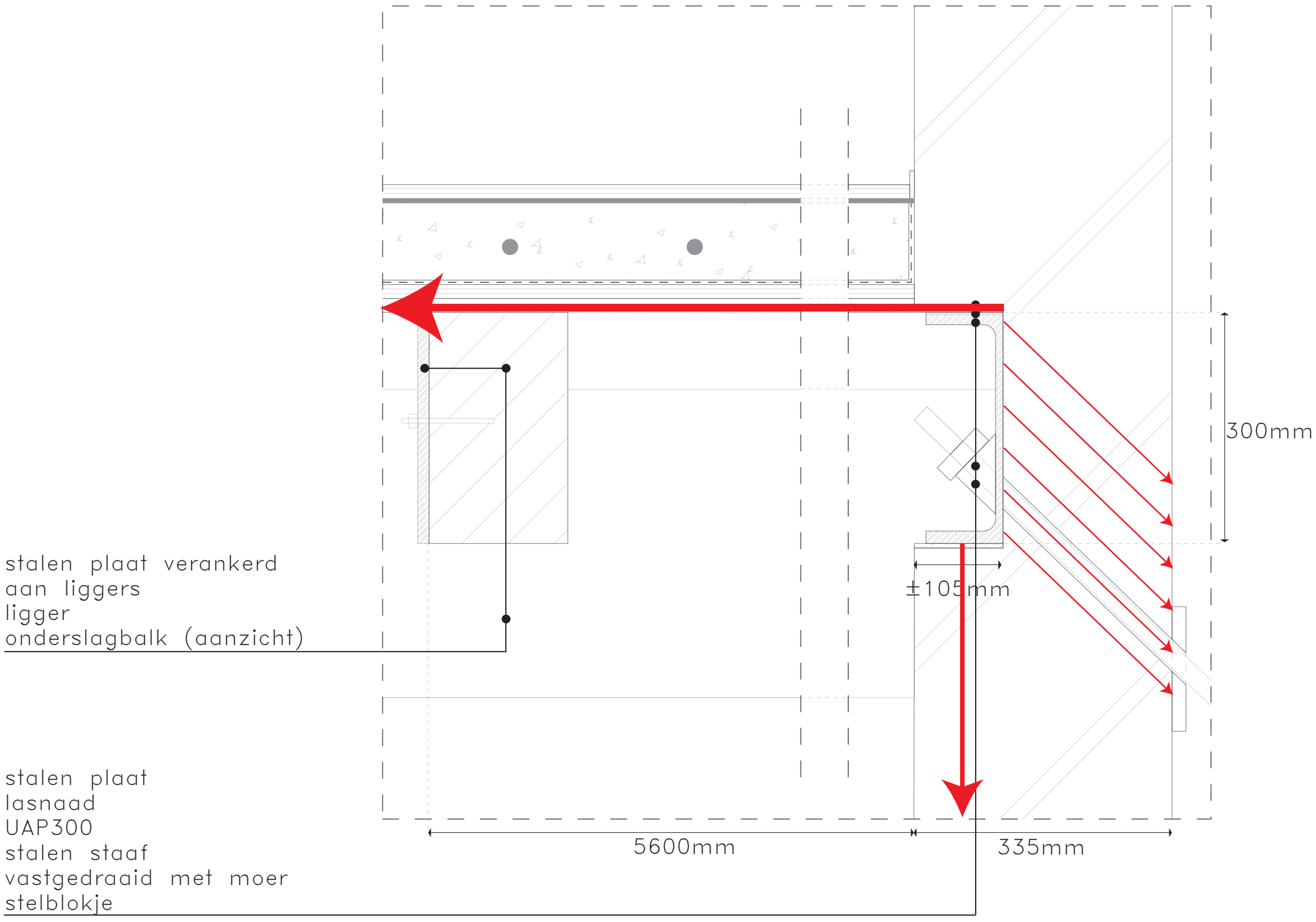

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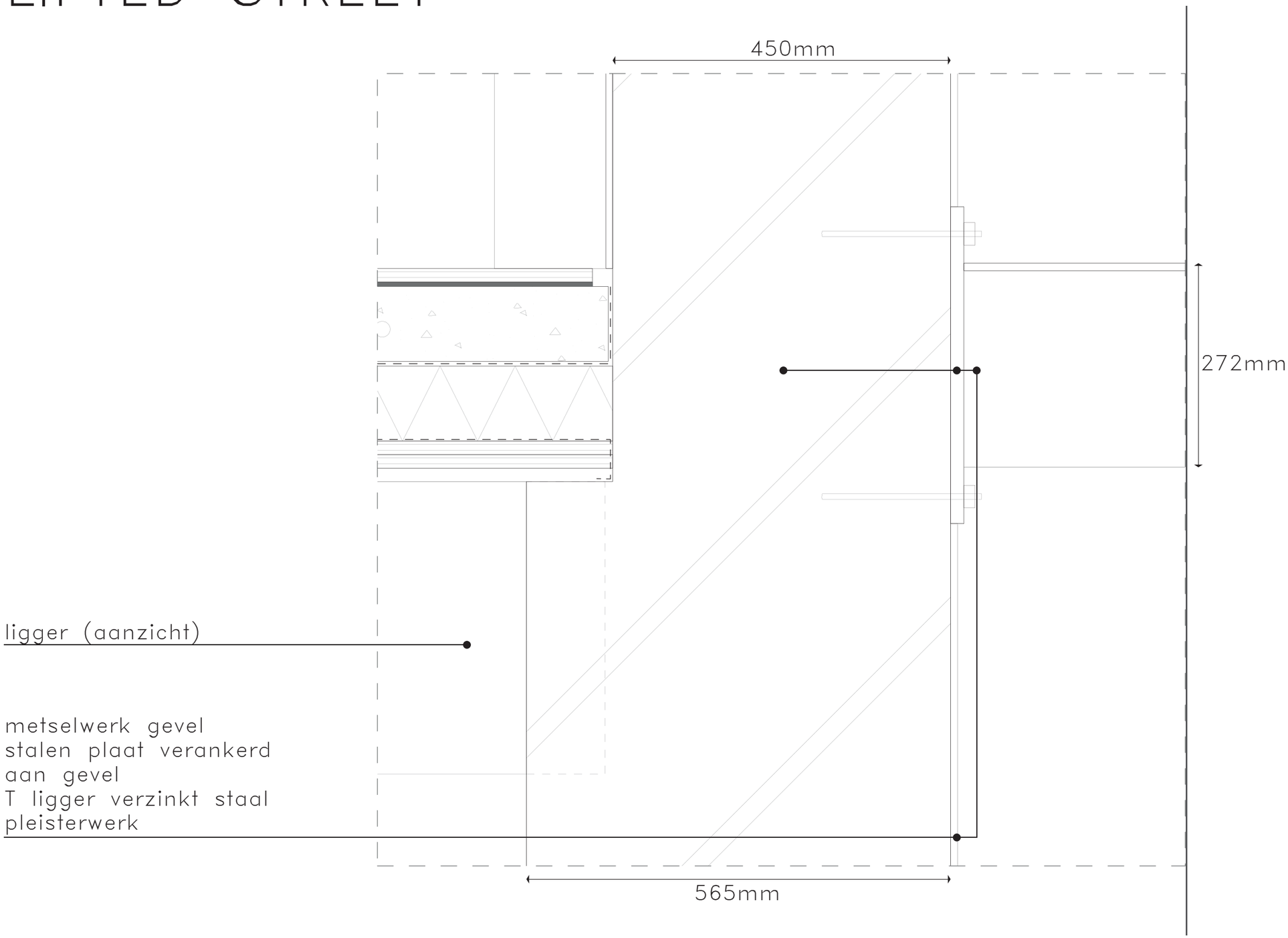

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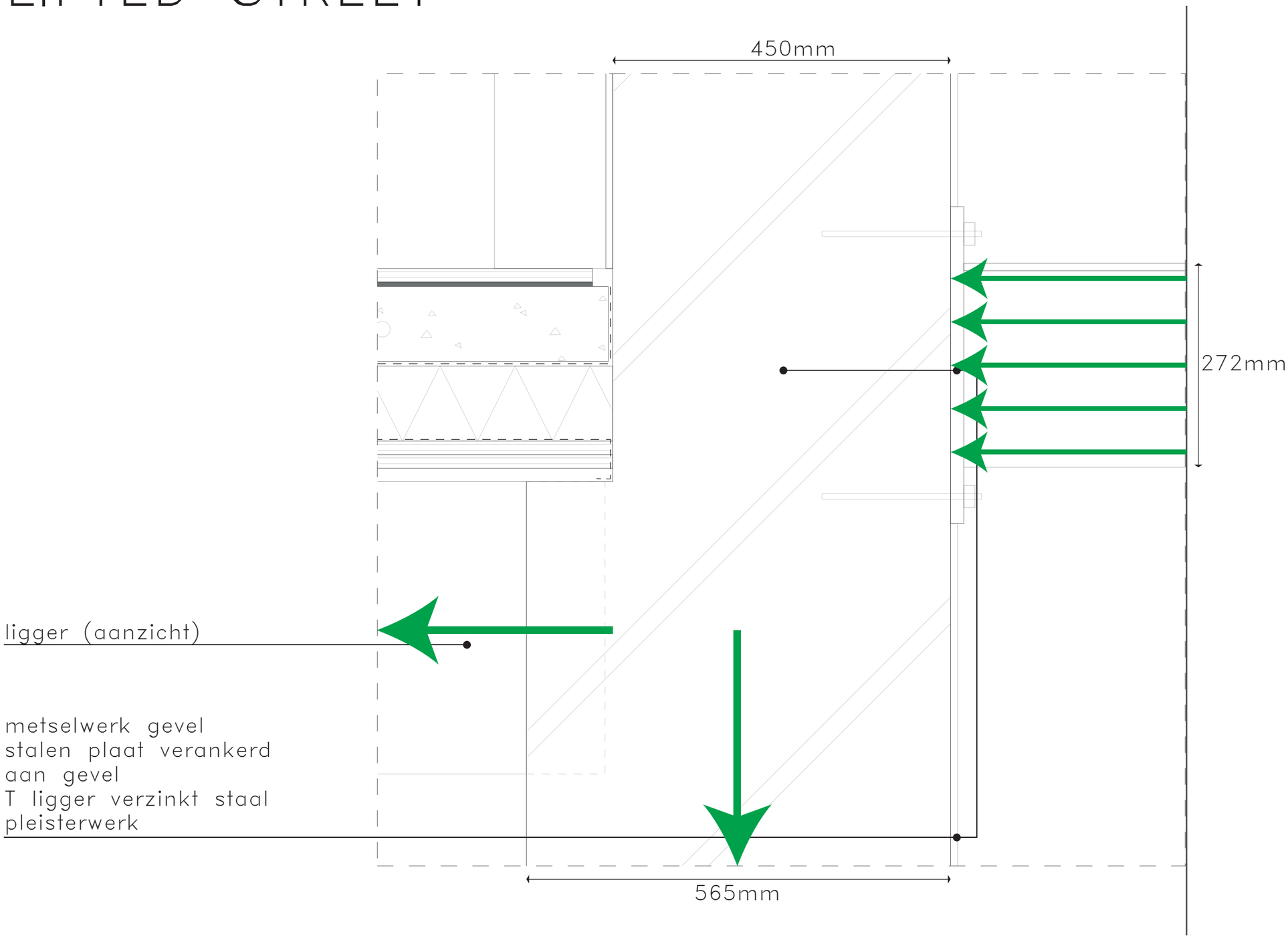

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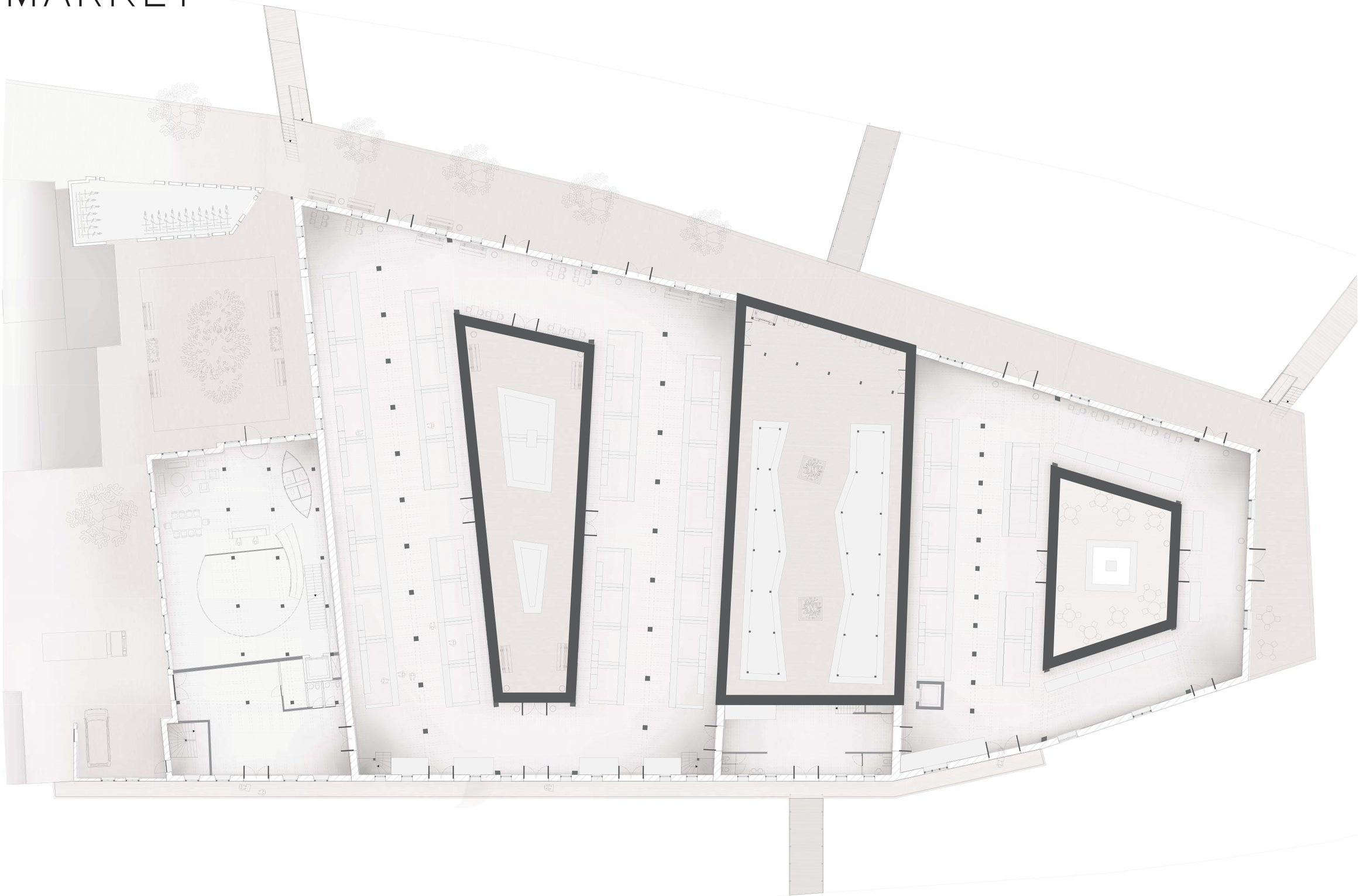

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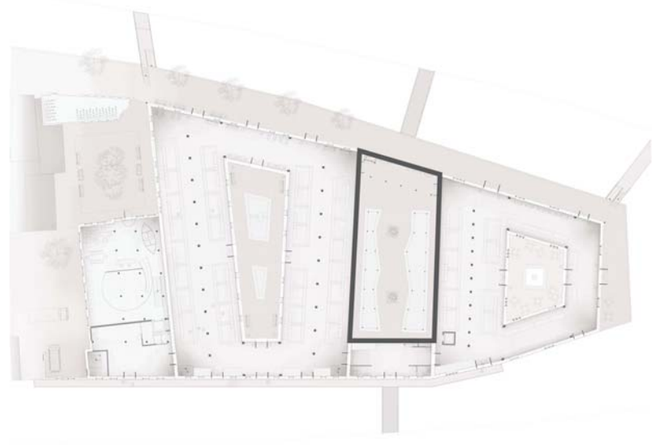

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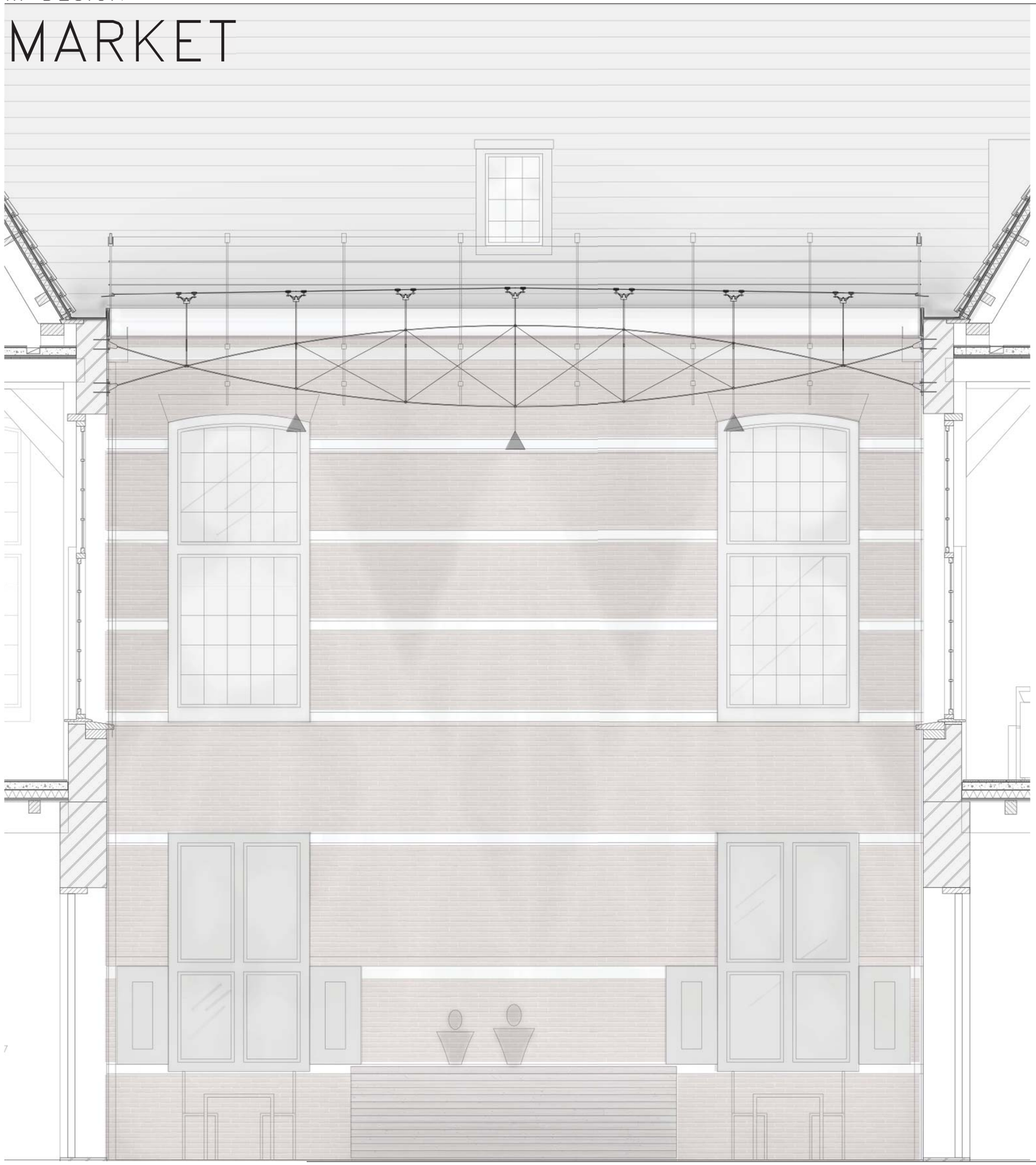

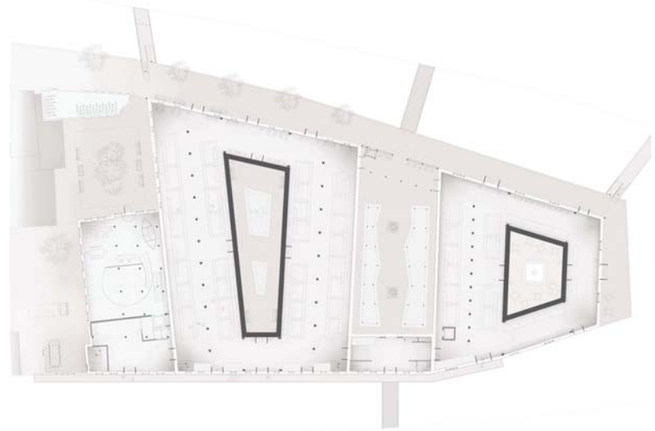



1602

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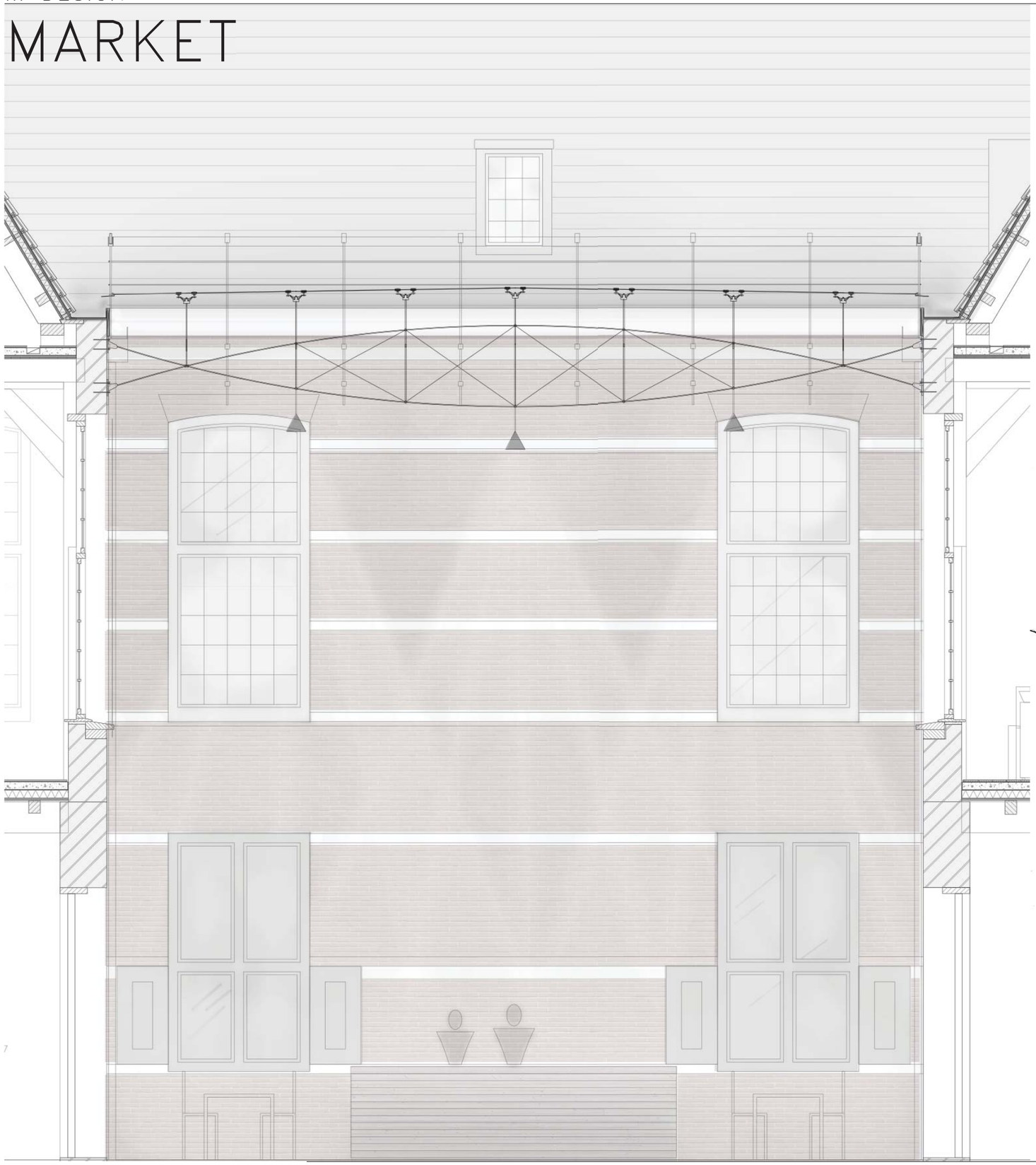

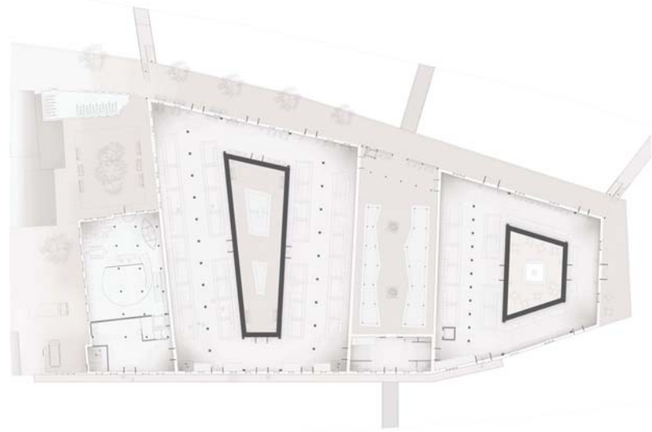

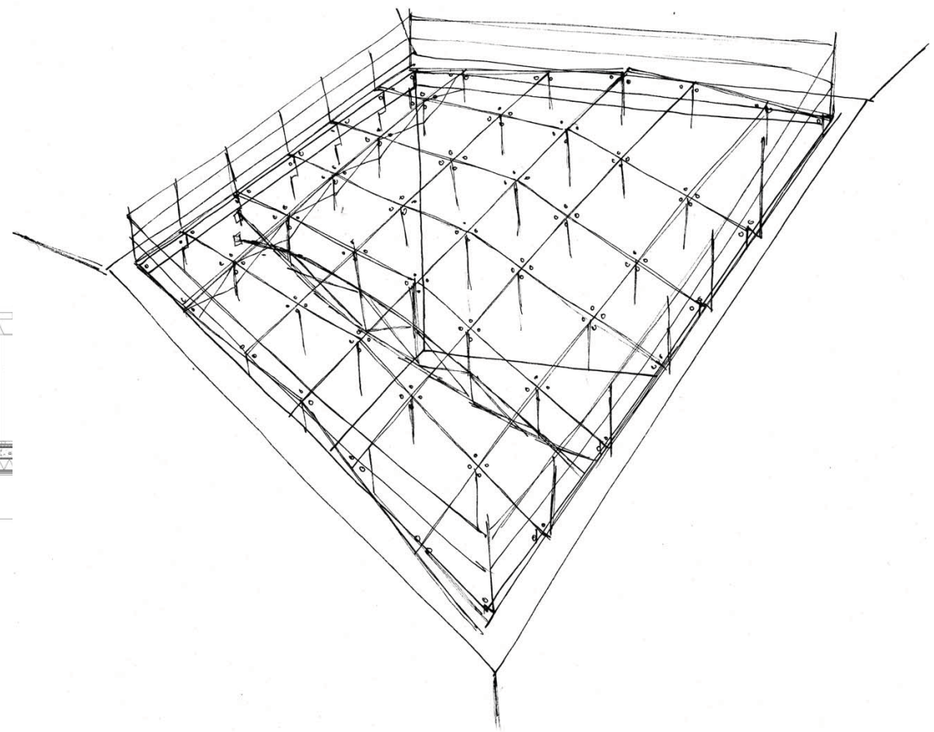

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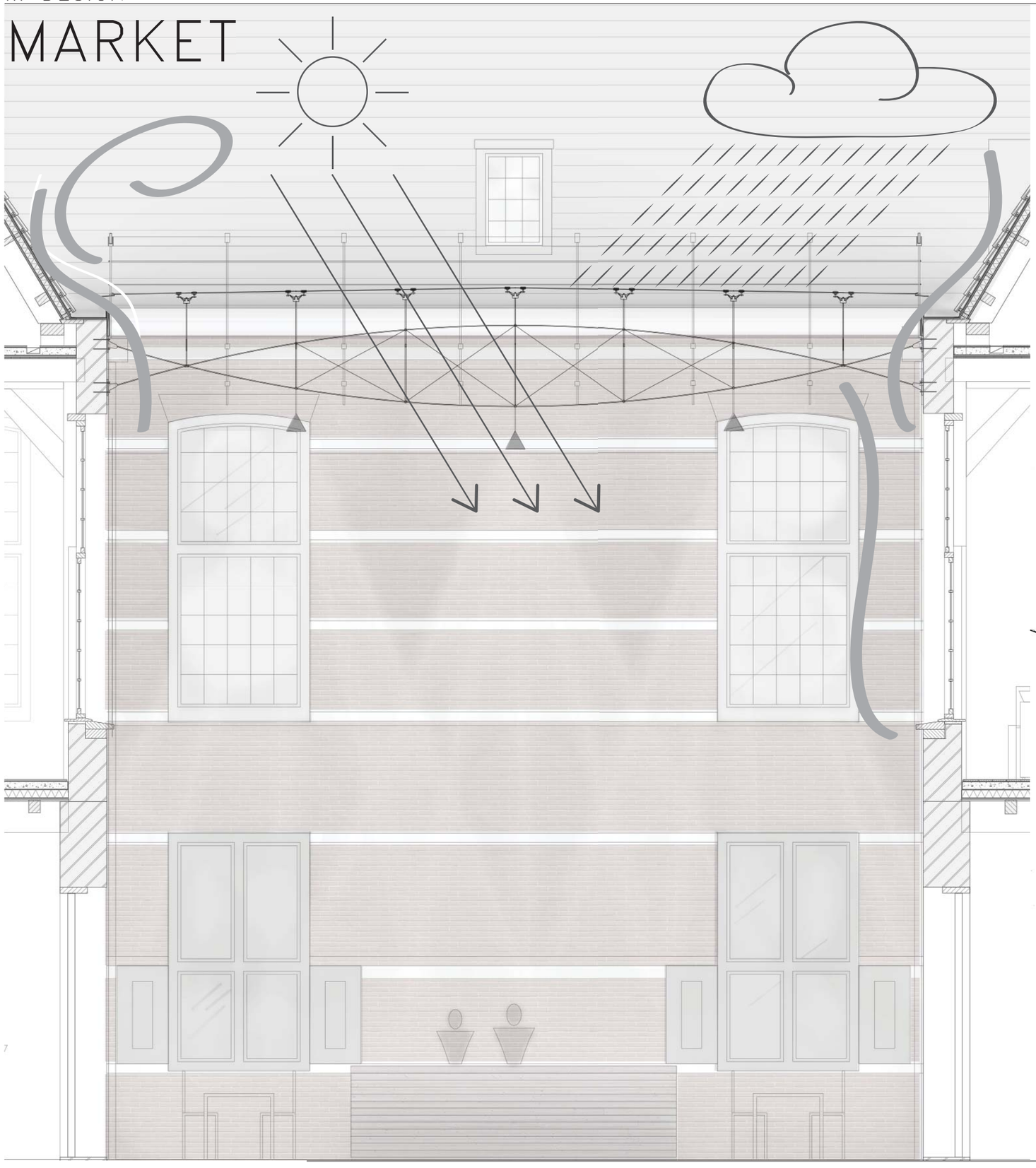

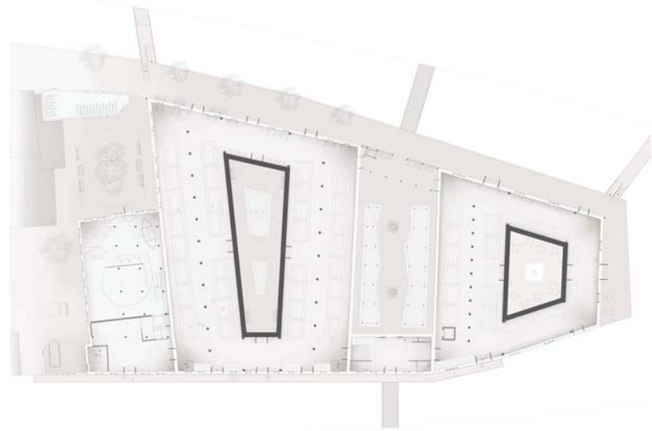

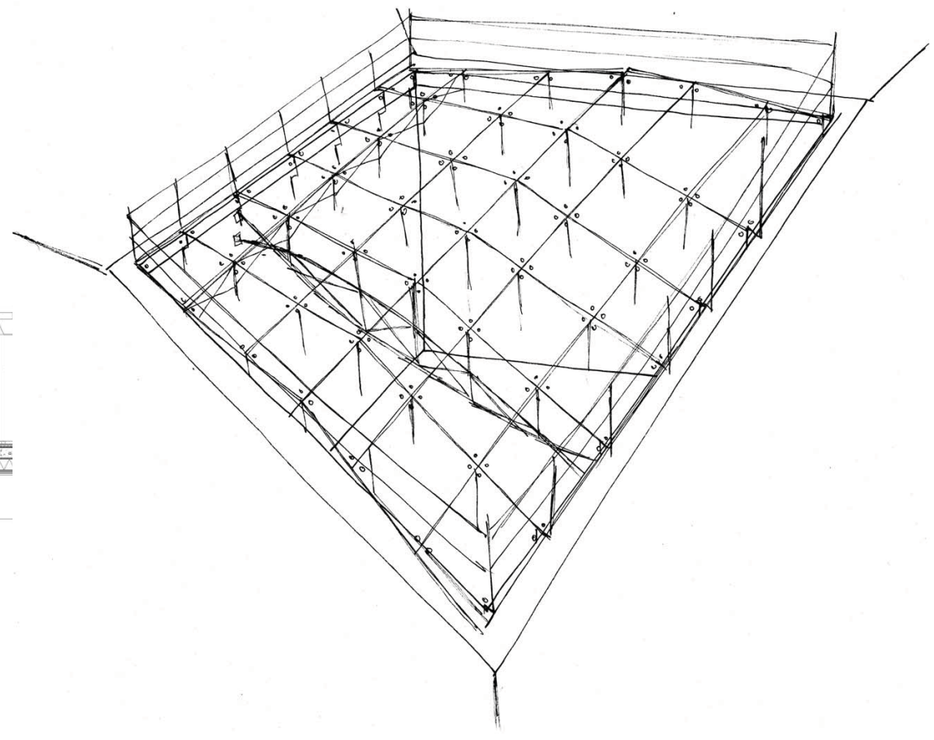

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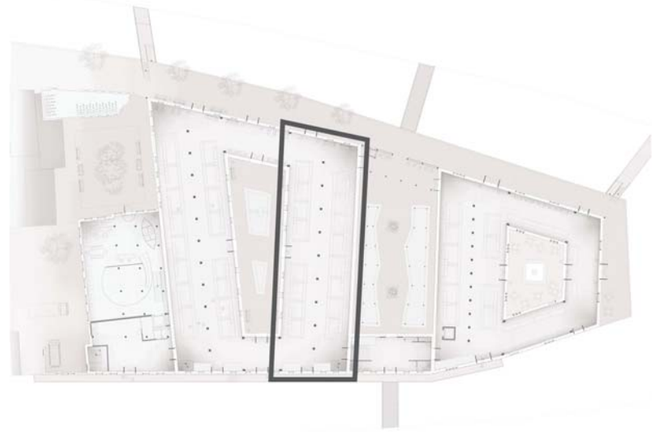
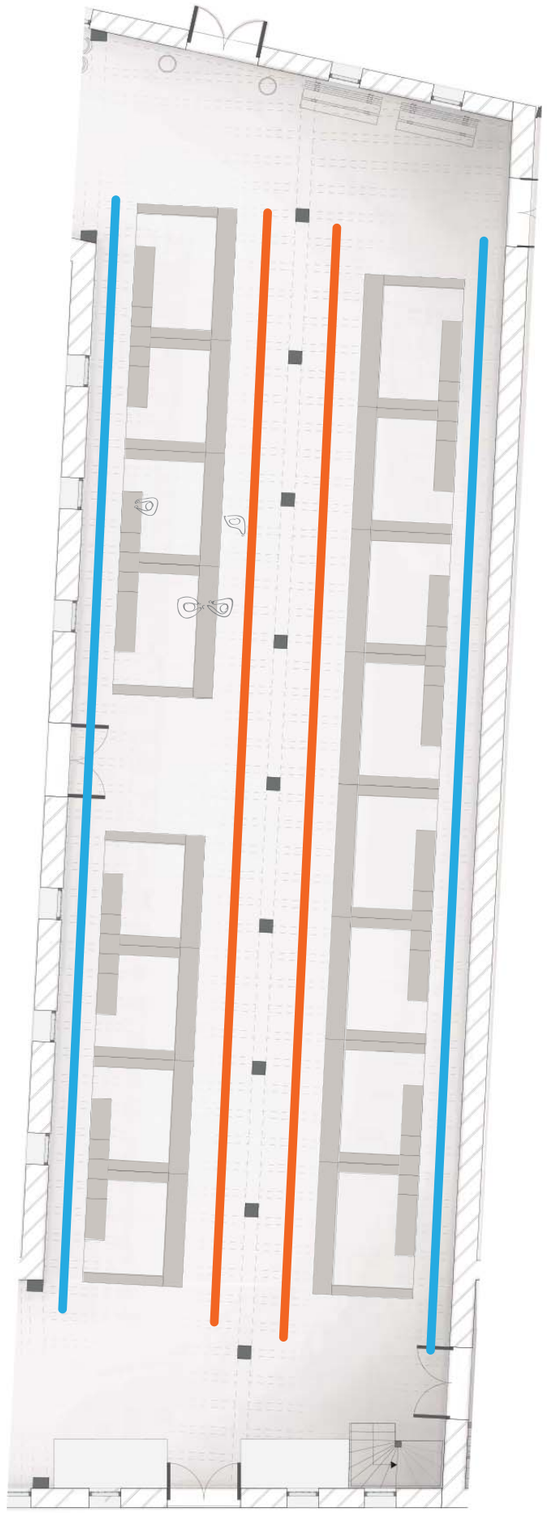




public route
logistic route

MARKET

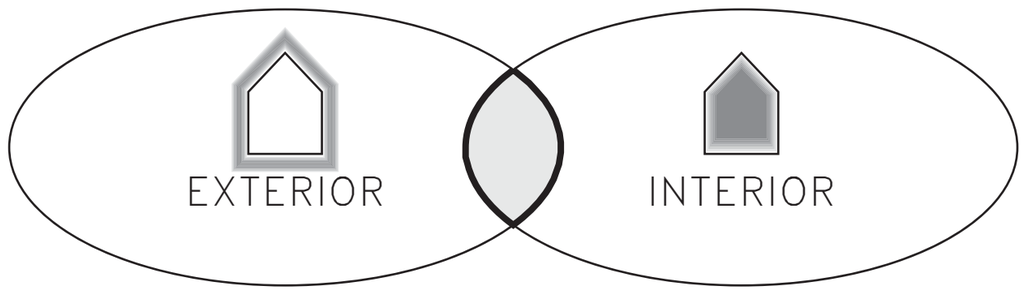


MARKET

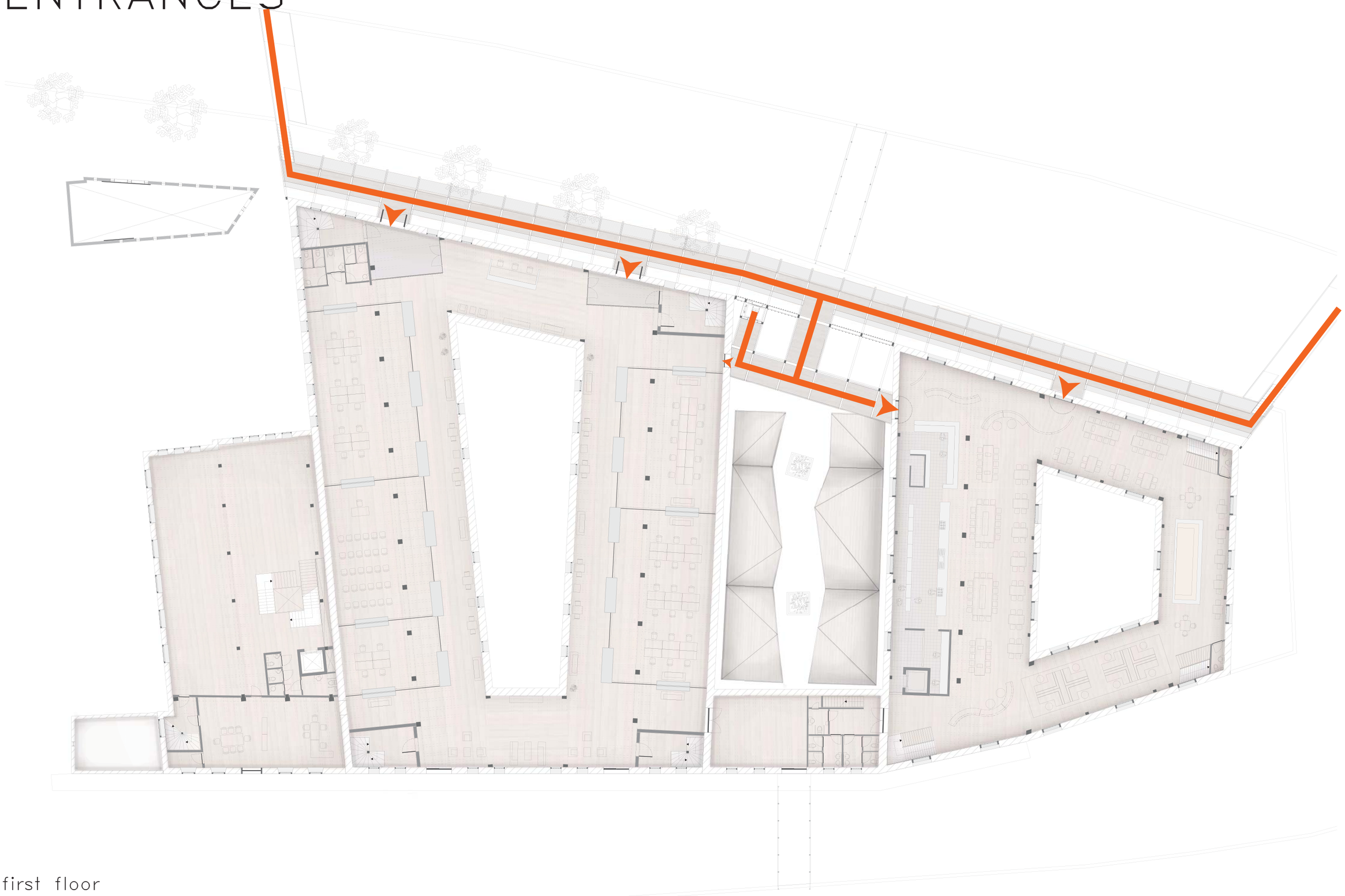


MARKET



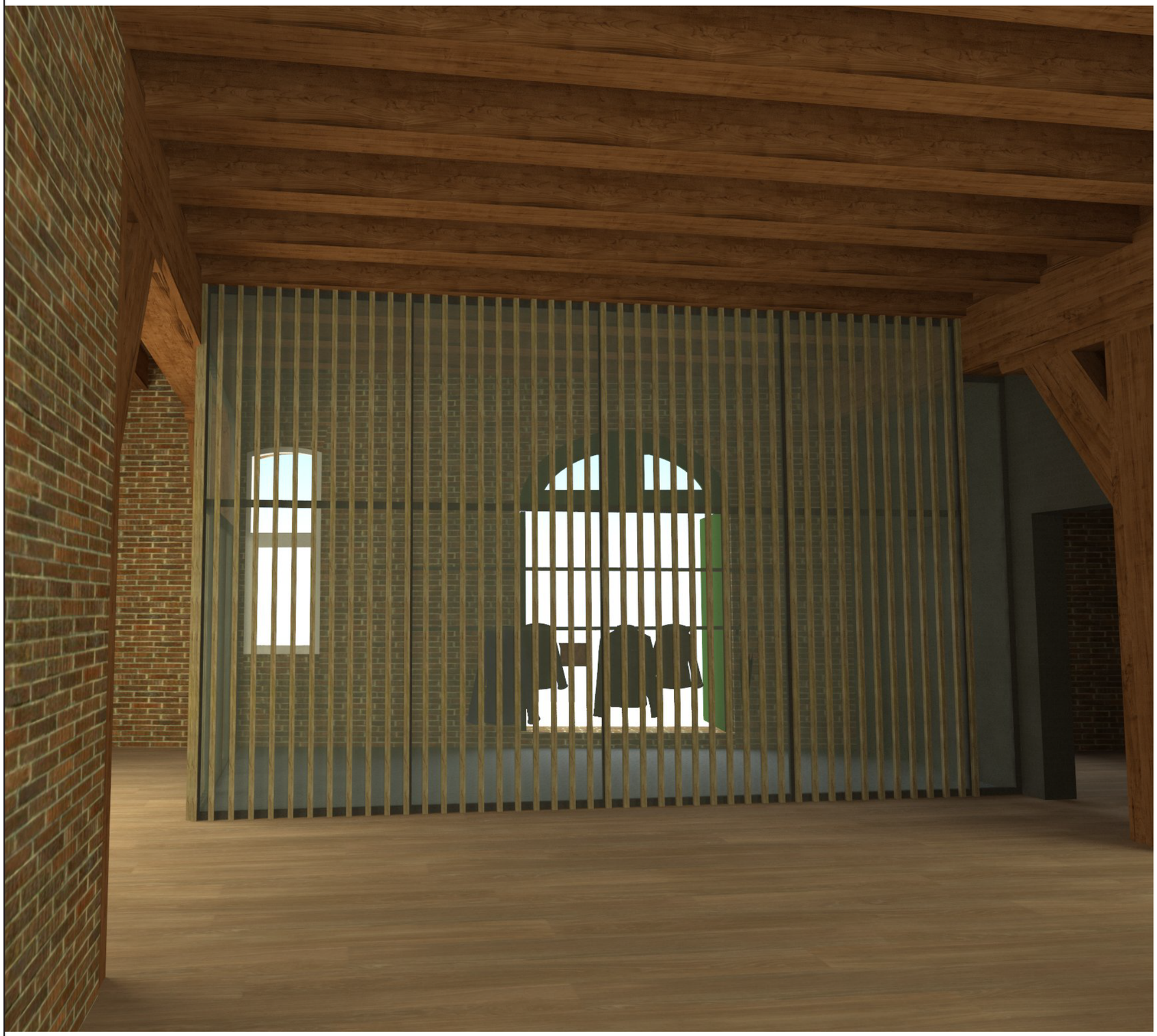

EXTERIOR
INTERIOR

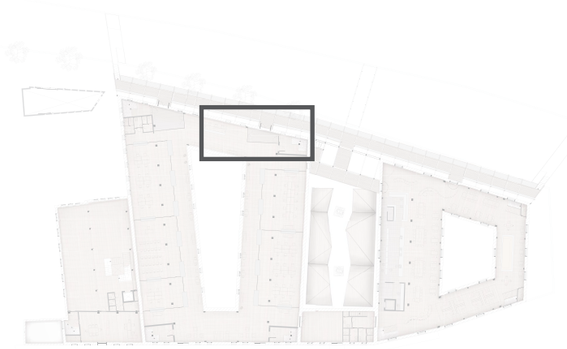
ENTRANCES

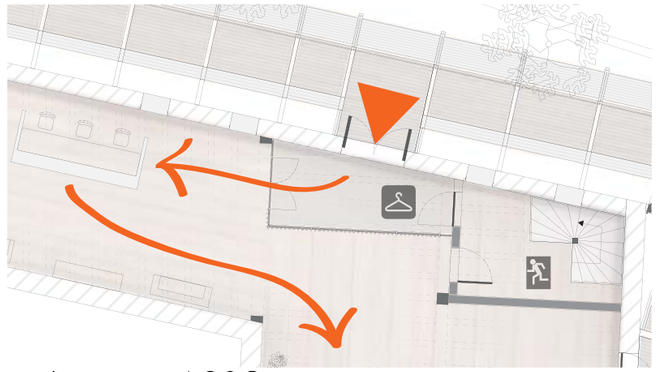


first floor

ENTRANCES



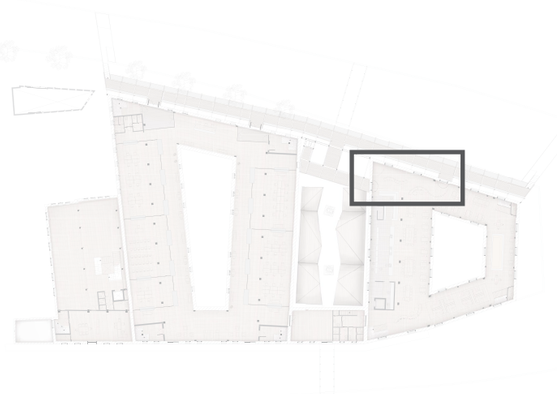


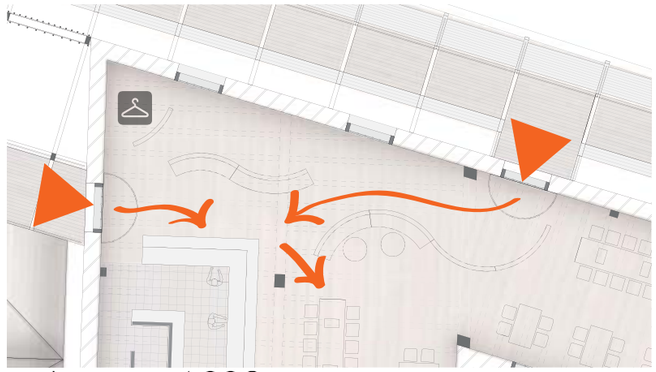


entrance 1692

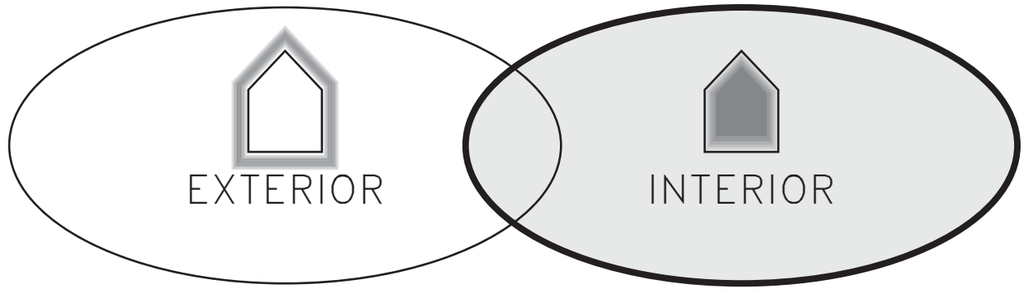
ENTRANCES







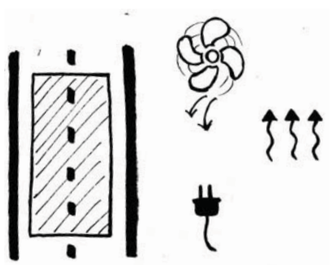
entrance 1602


EXTERIOR
INTERIOR

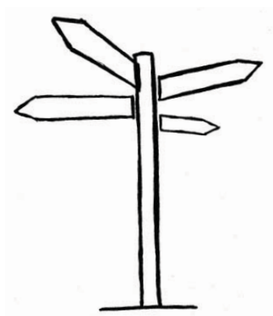
STARTING POINTS INTERIOR



NEW = SUBORDINATE
TO OLD IN INTERIOR



TECHNICAL ASPECTS
INTEGRATED
IN INTERIOR OBJECTS



ROUTING

CLIMATE CONCEPT

1602

1692



interior
exterior

CLIMATE CONCEPT

1602

1692

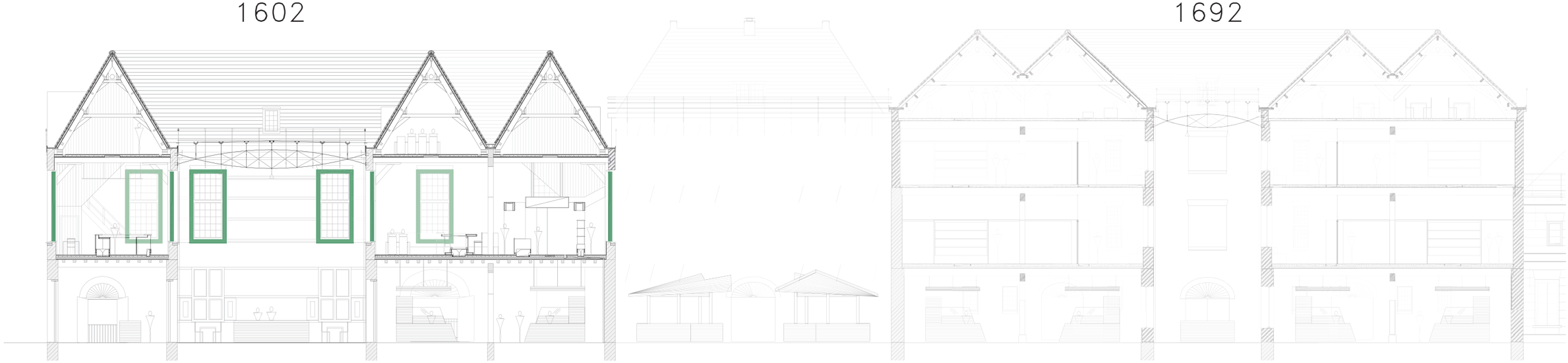


insulation

CLIMATE CONCEPT

1602

1692

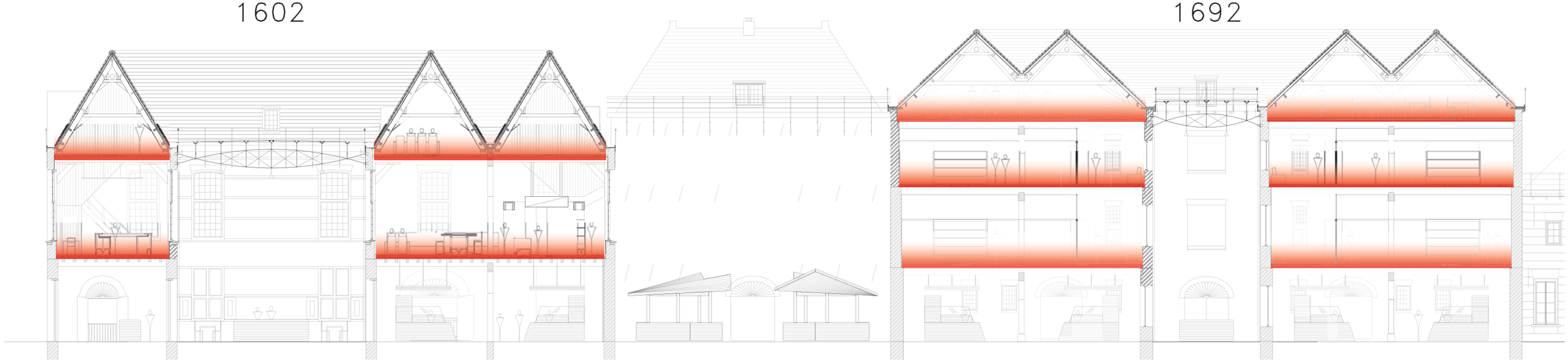


monumental glazing

CLIMATE CONCEPT

1602

1692

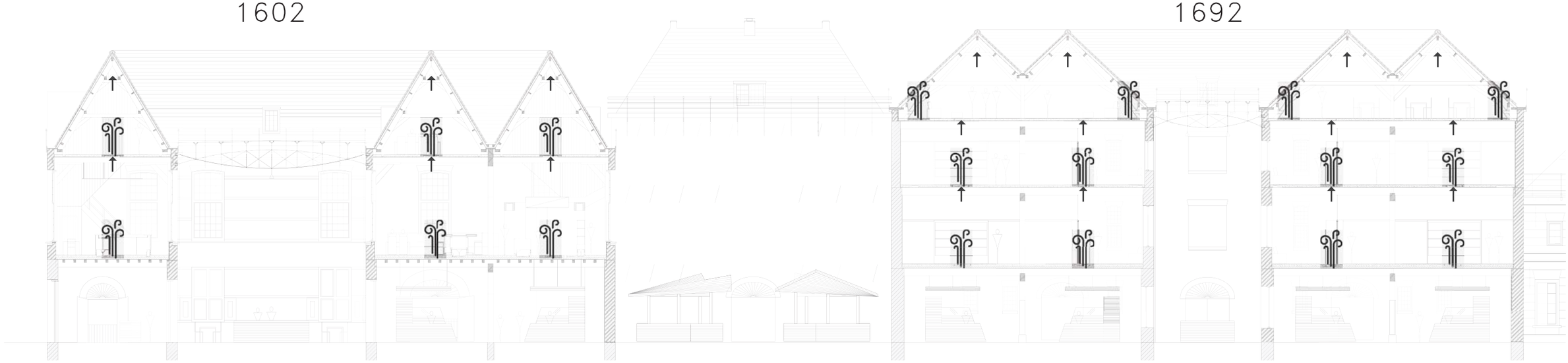


floor heating: water based system

CLIMATE CONCEPT

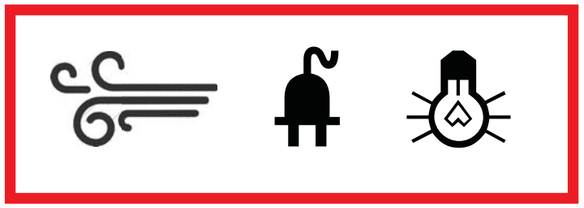
1602

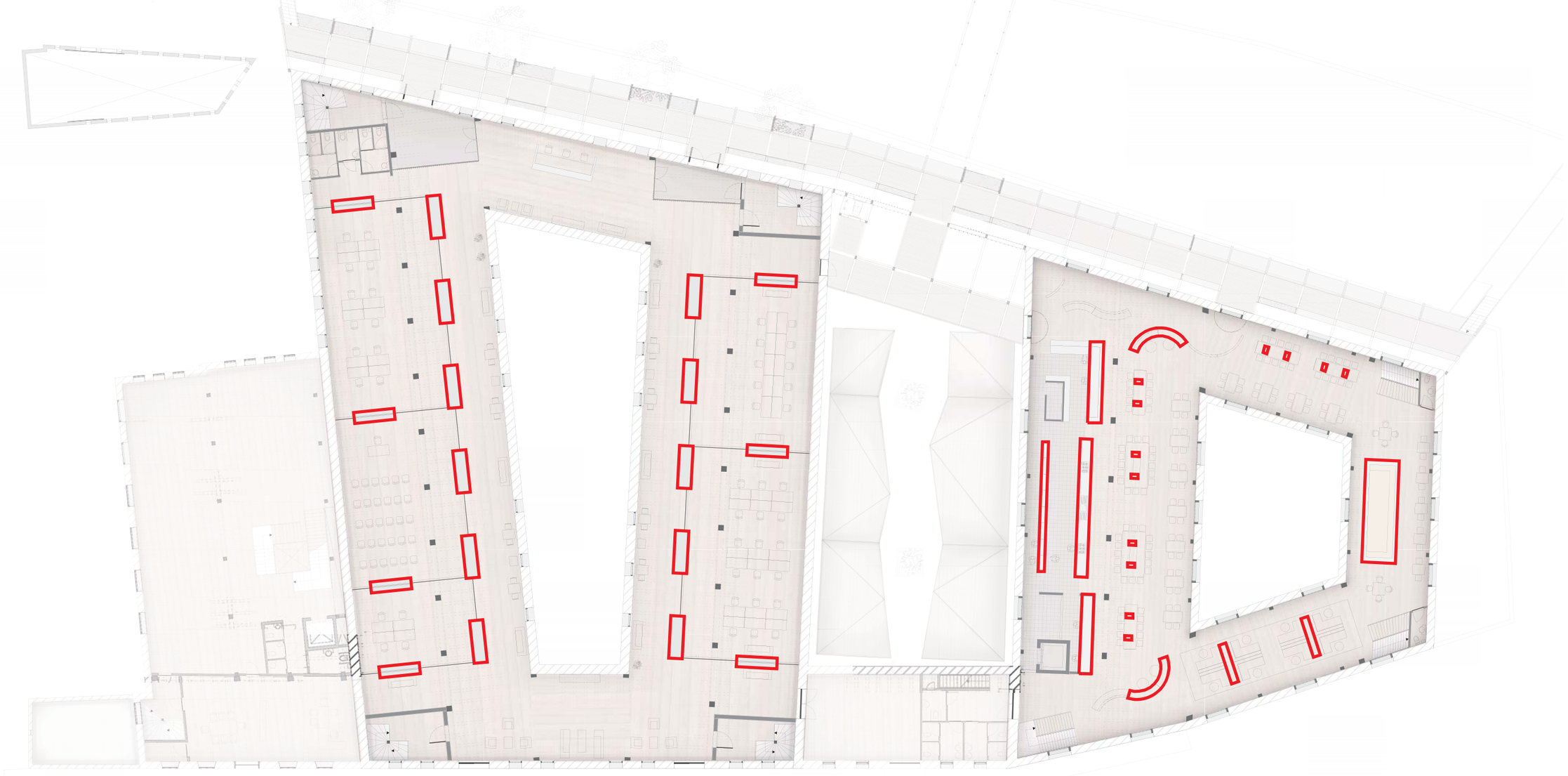
1692



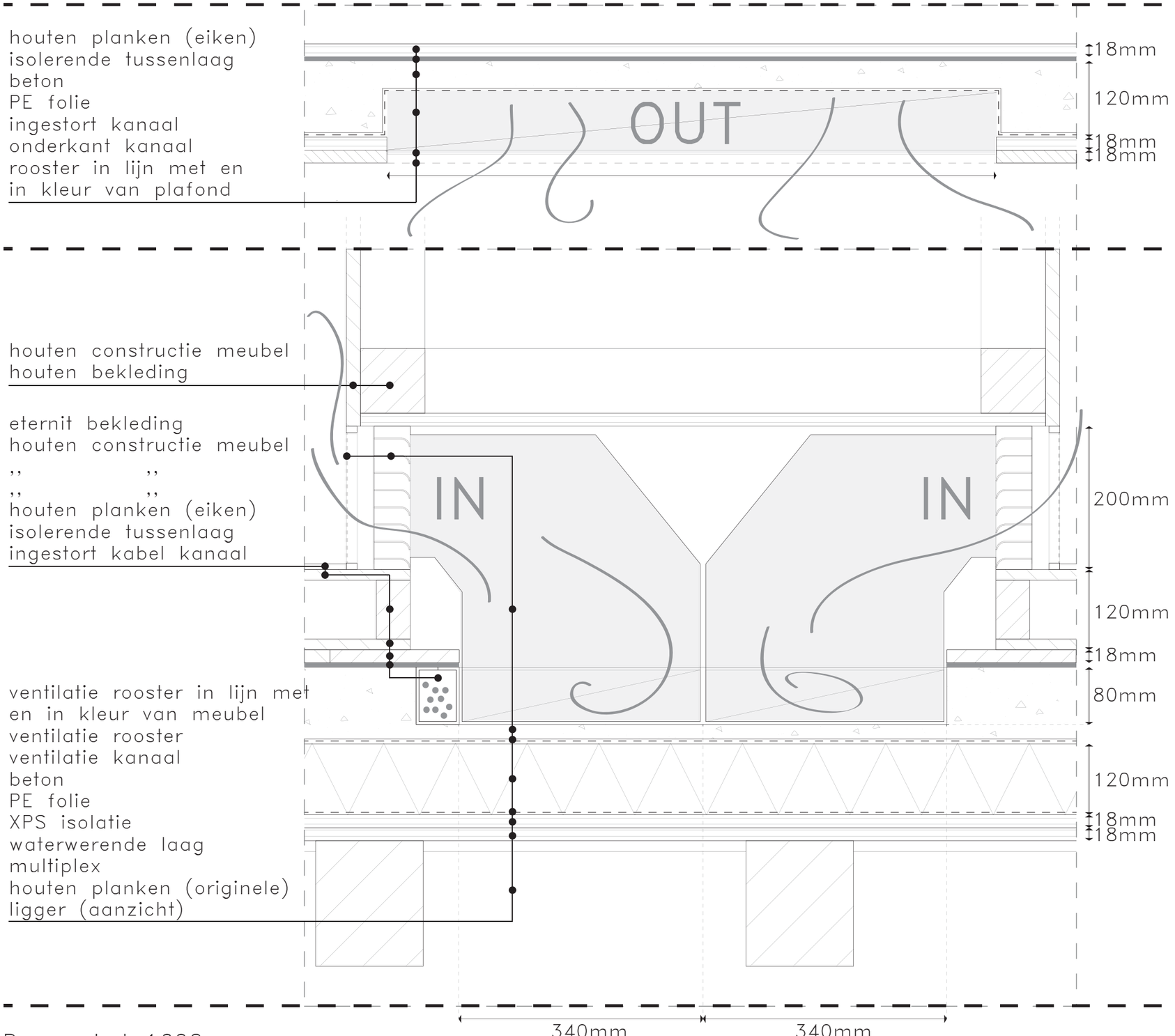
ventilation in: through furniture
air out: through ceiling

CLIMATE CONCEPT



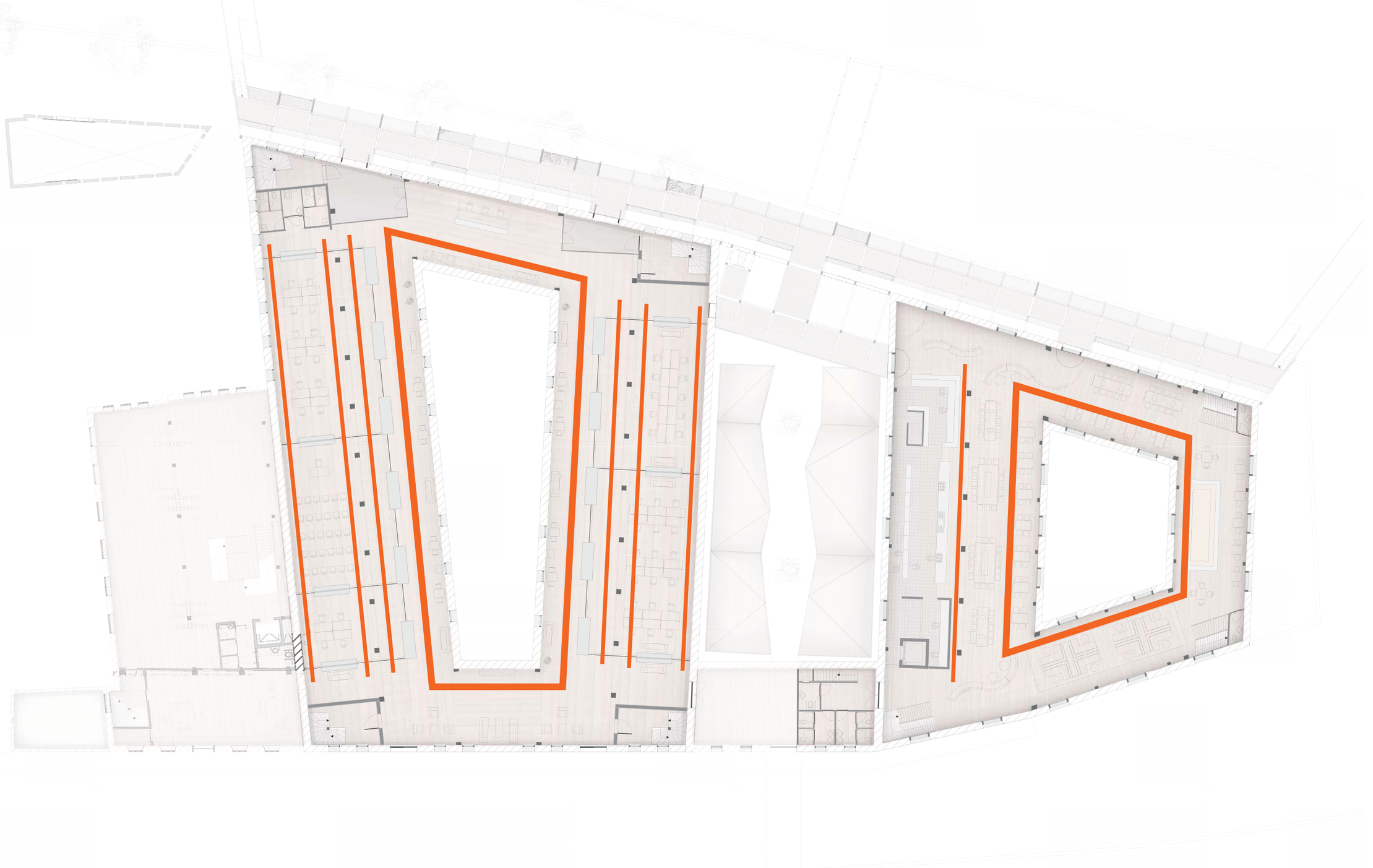


CLIMATE CONCEPT



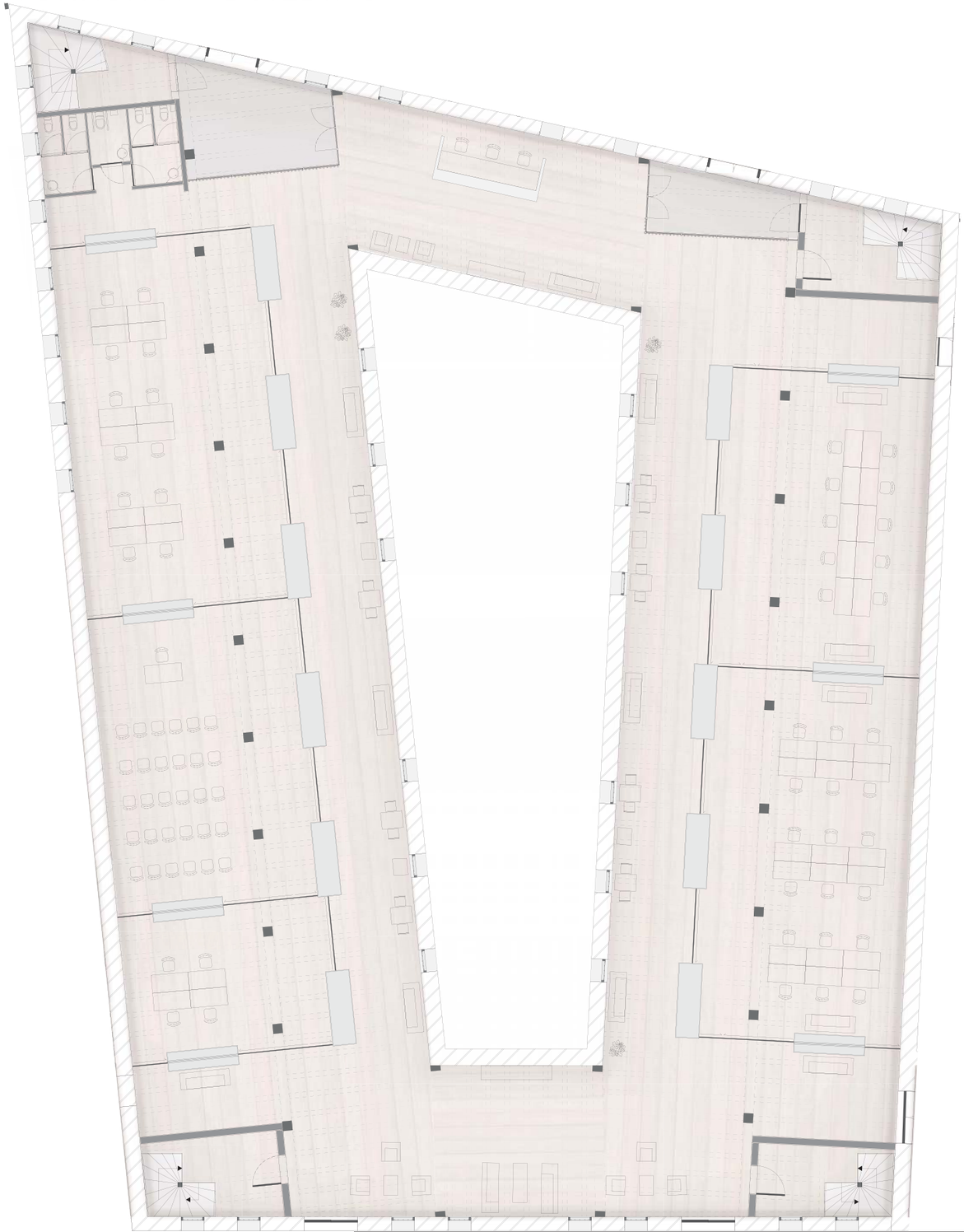
Barmeubel 1602

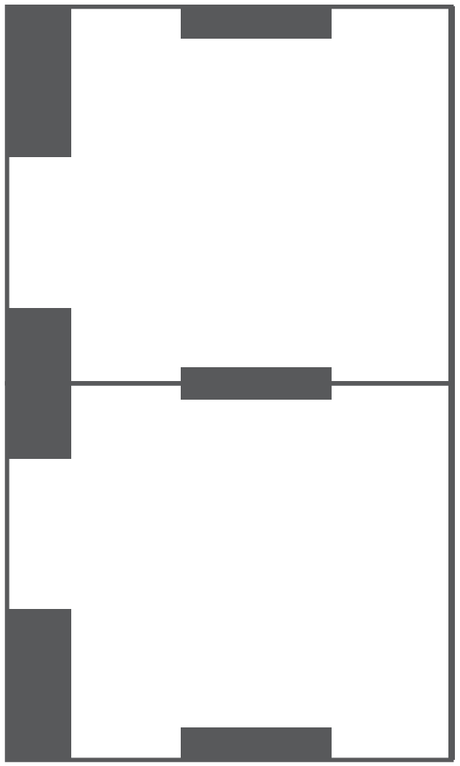
ORGANISATION



ORGANISATION

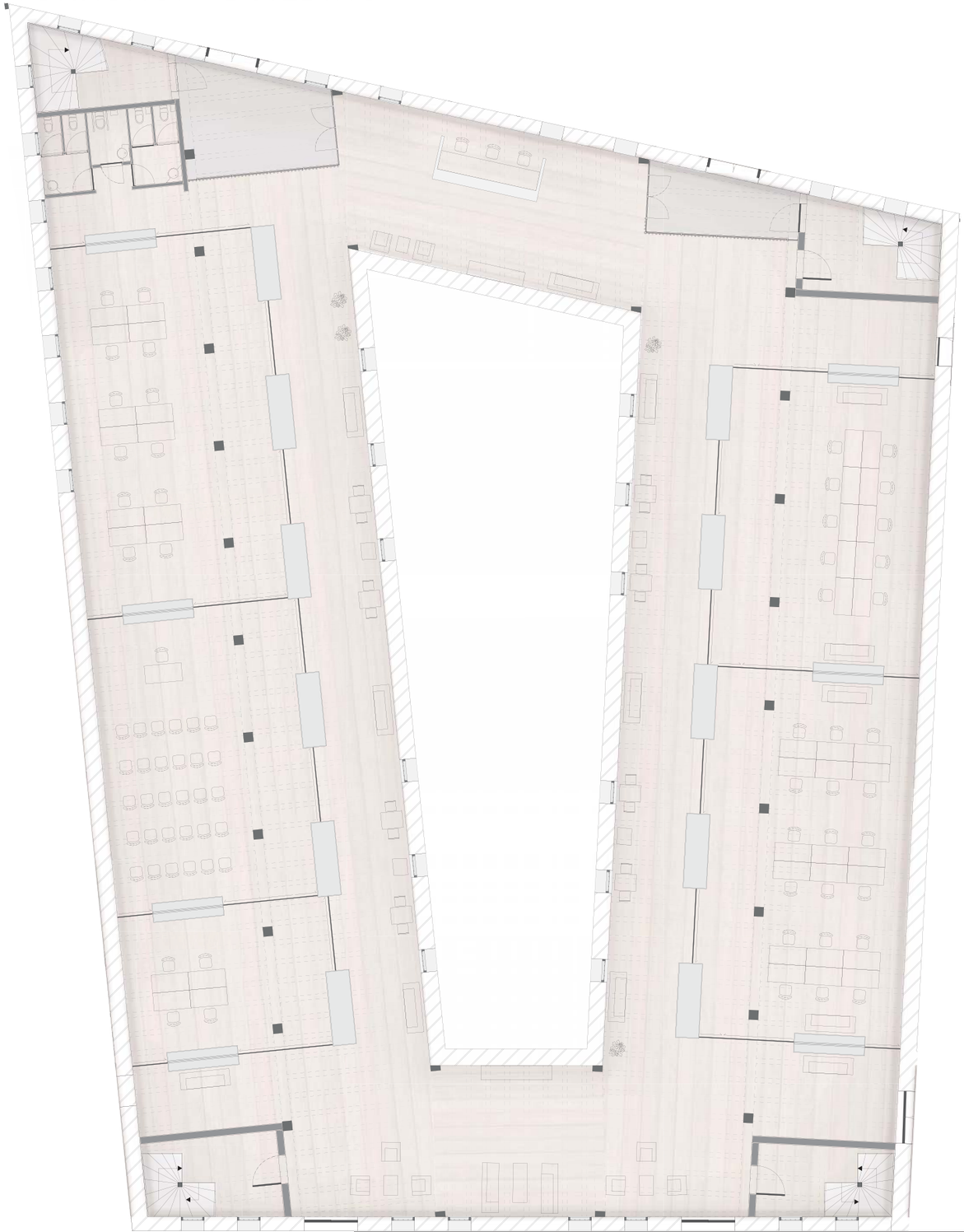
WORKSHOP BUILDING

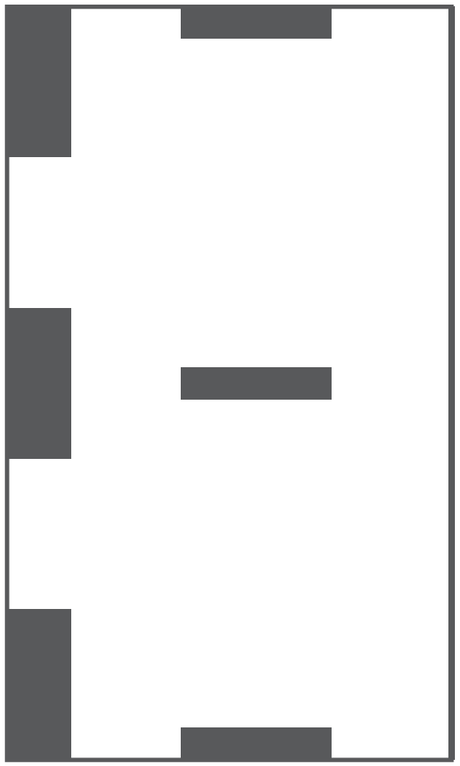




ORGANISATION

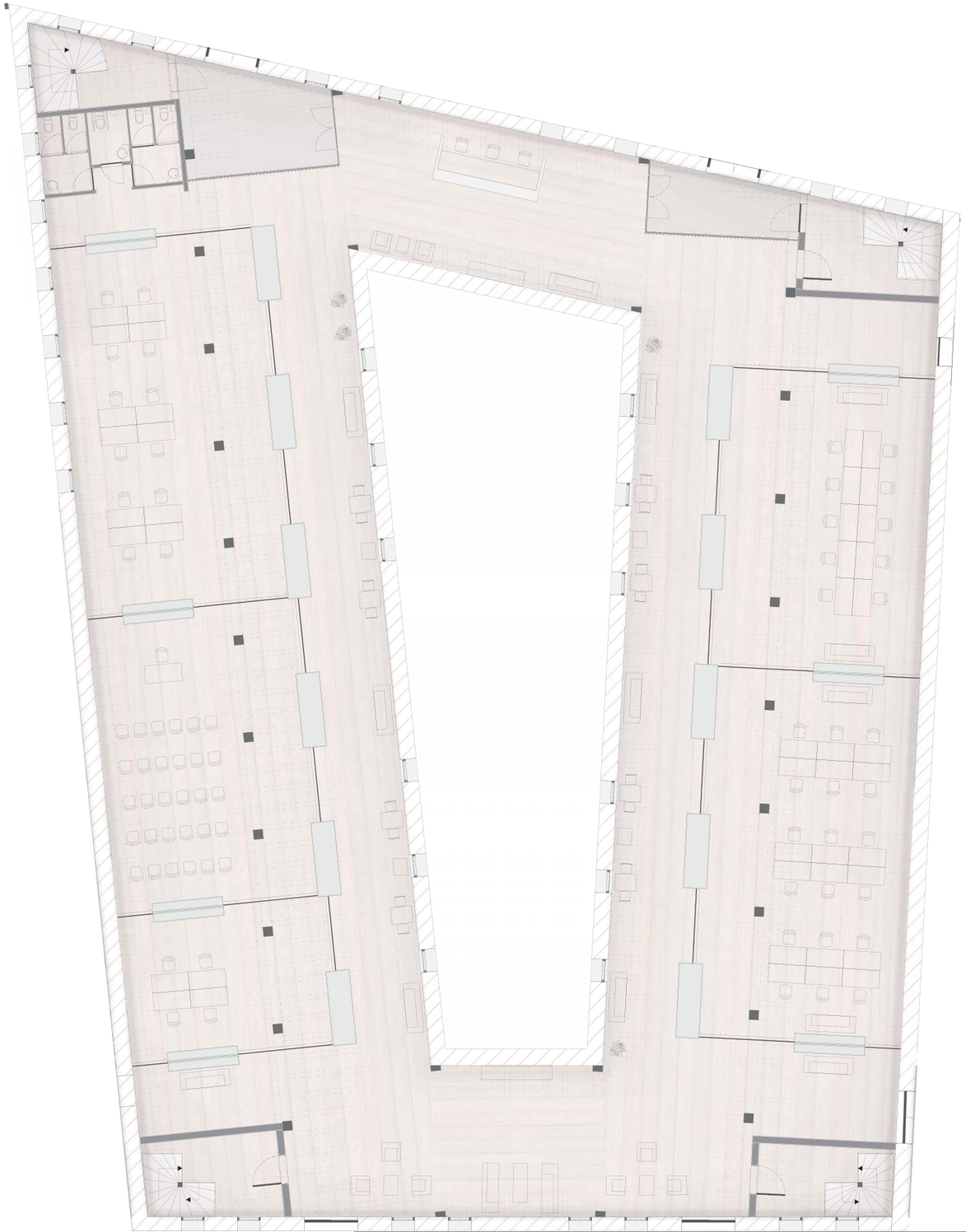
WORKSHOP BUILDING

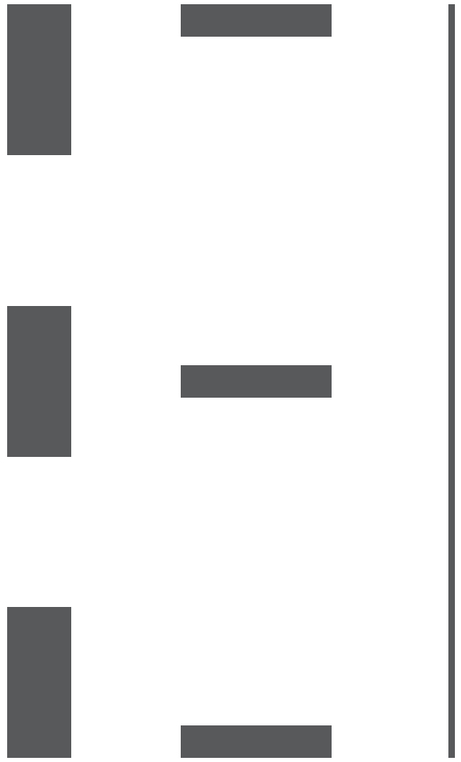




ORGANISATION

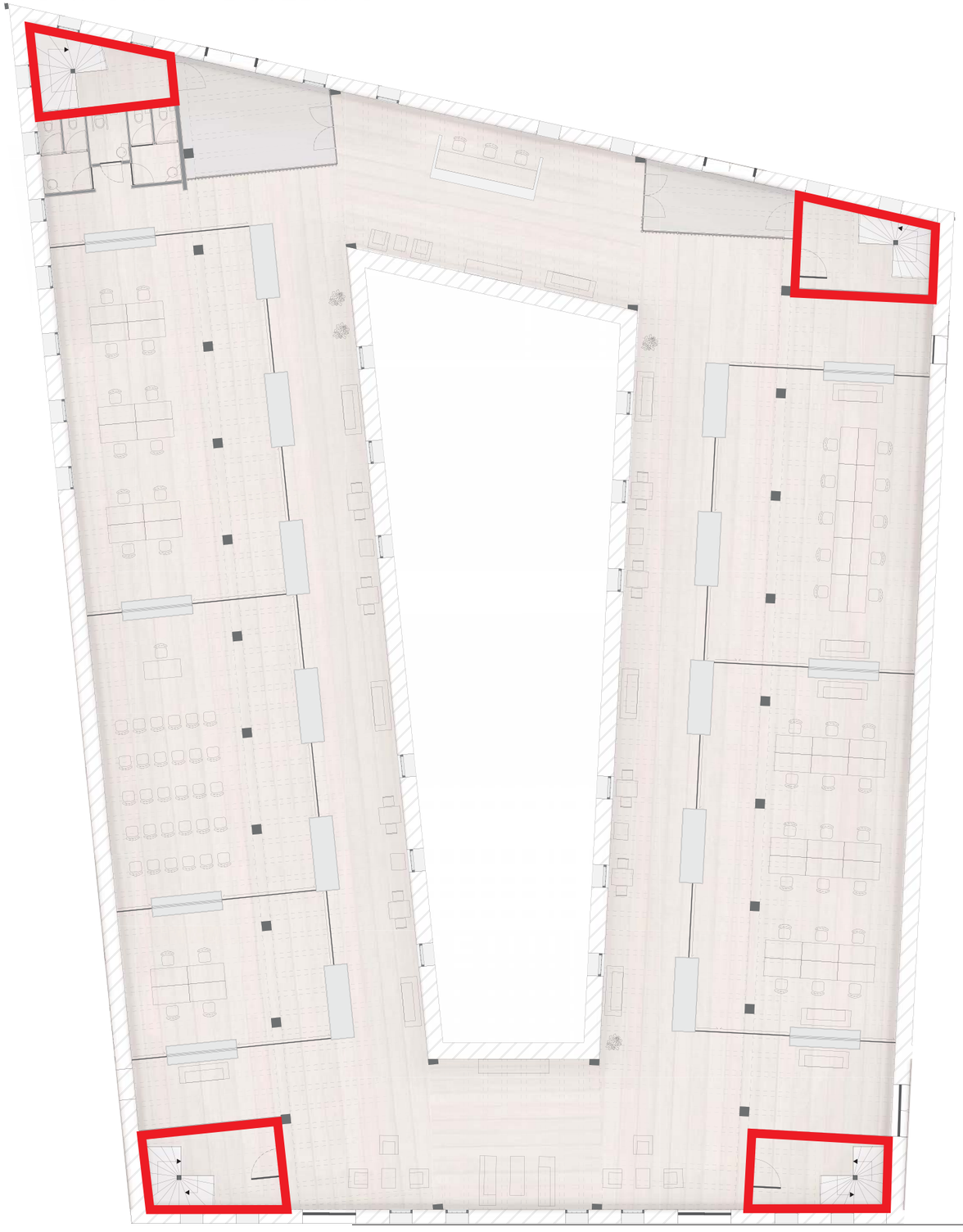
WORKSHOP BUILDING





ORGANISATION

WORKSHOP BUILDING





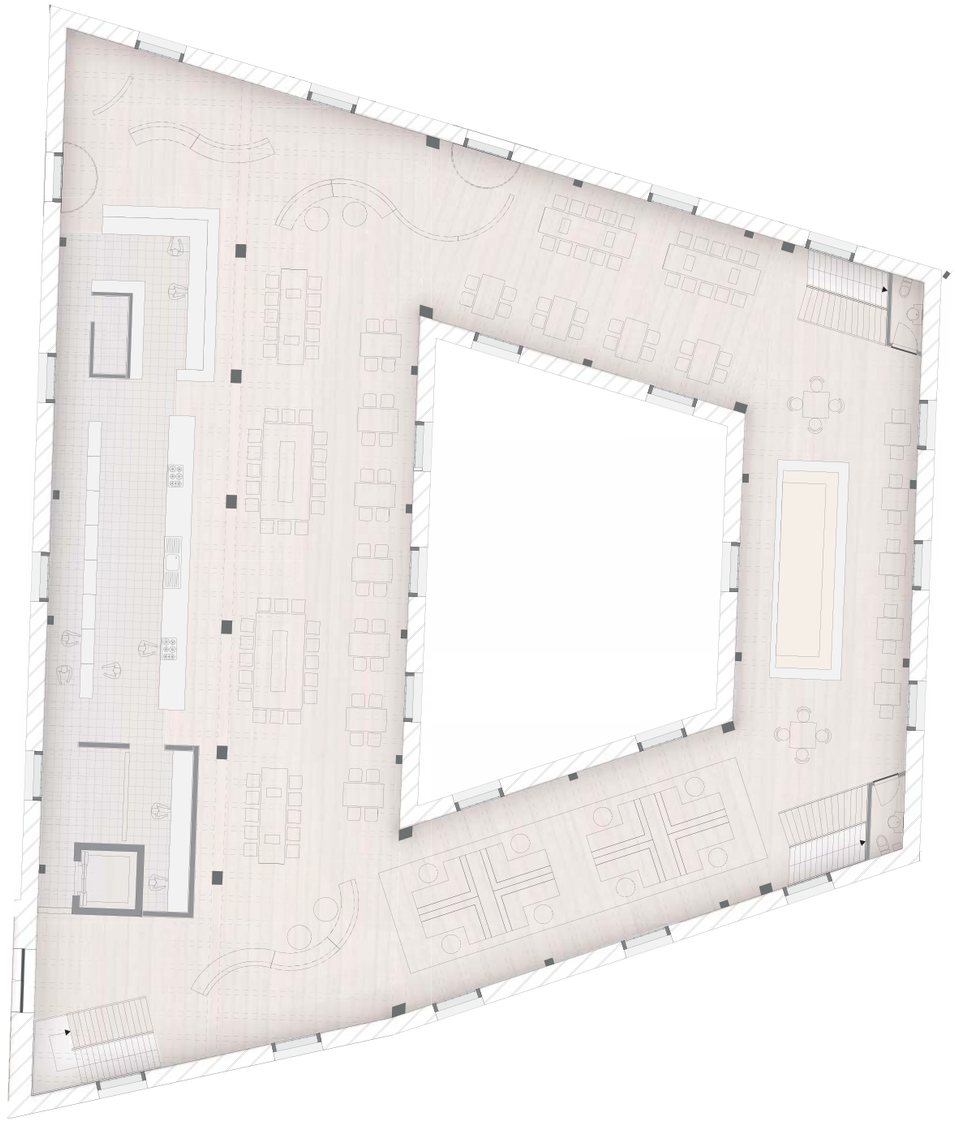






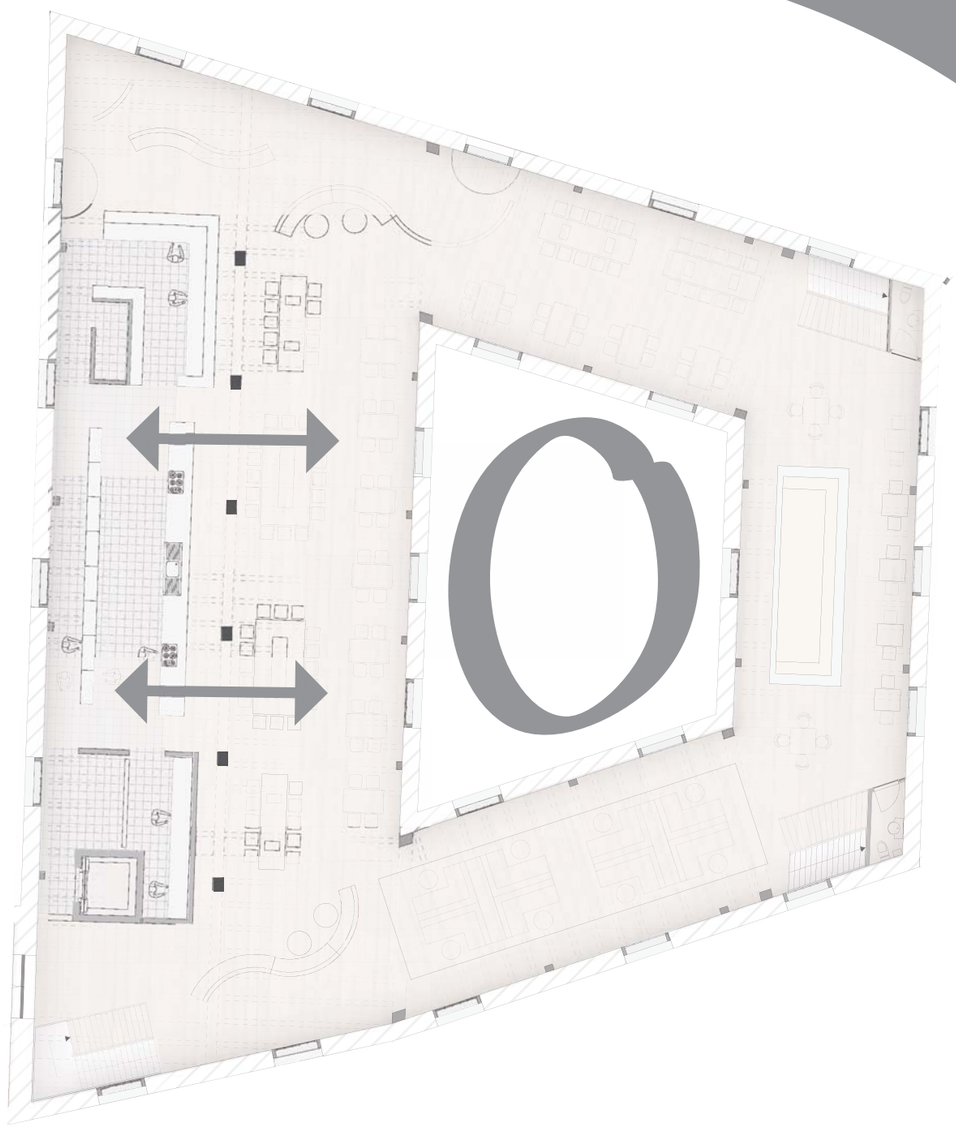
ORGANISATION

HORECA & CONFERENCE BUILDING



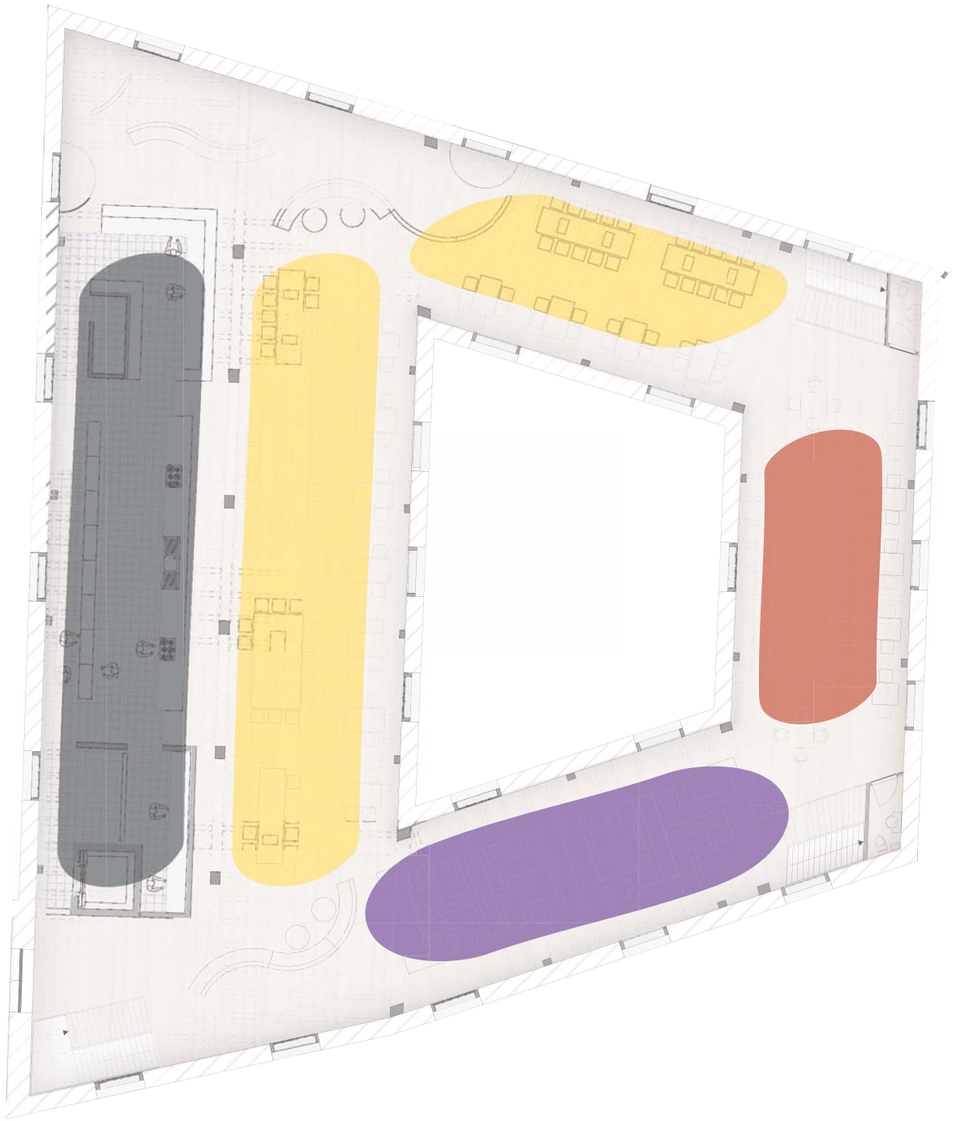
ORGANISATION

HORECA & CONFERENCE BUILDING



ORGANISATION

HORECA & CONFERENCE BUILDING



restaurant
lounge
bar
kitchen










THANK YOU