5213673
Ruben
Afman

The Crossing

A Matter of Scale

Methods of Analysis
& Imagination
Graduation studio

Supervisors
Jorge Mejia Hernandez
Matthijs Klooster







Estonian Spirituality

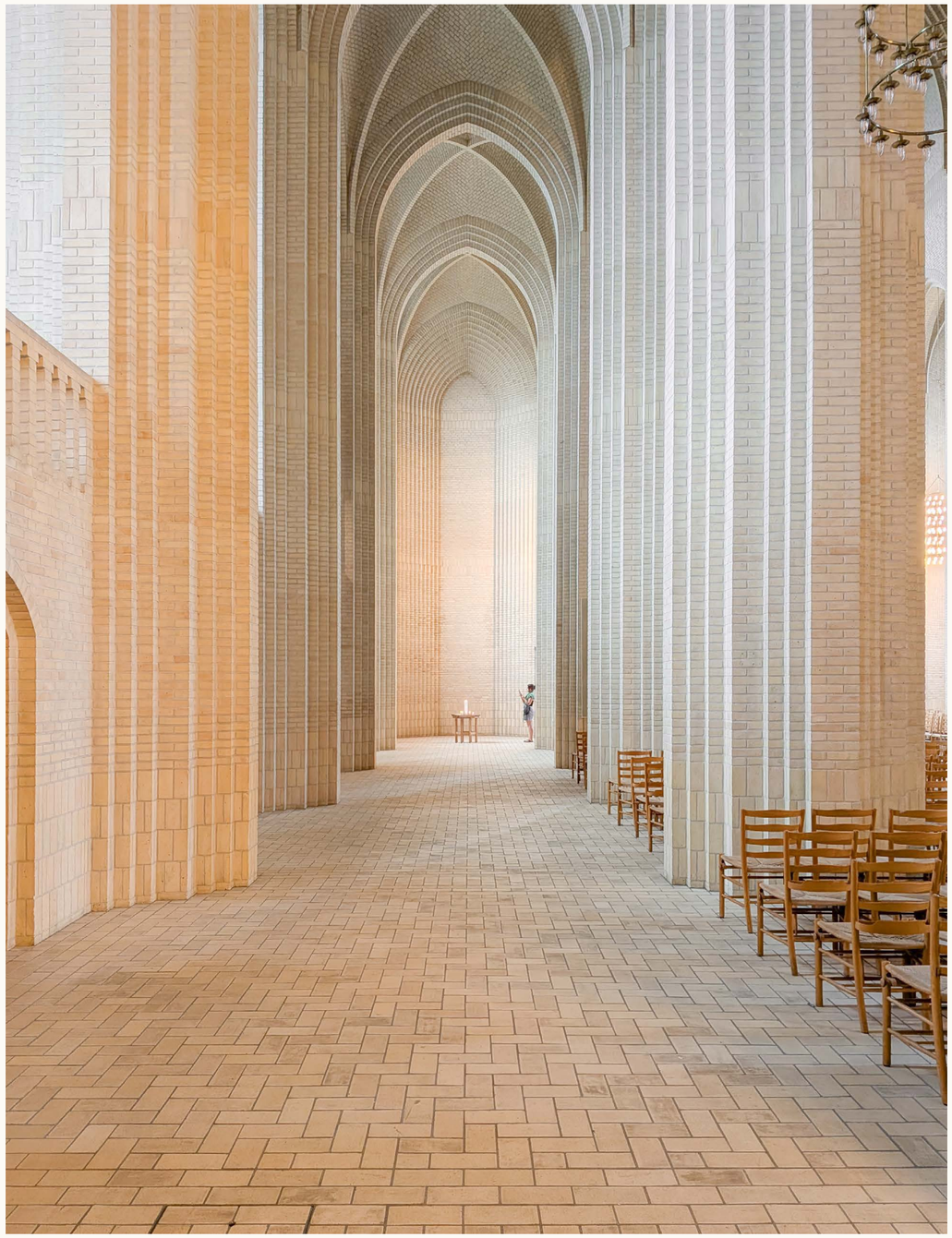
Siniallika hiis



Siniallika hiis
Personal photograph

Sacred architecture

The role of architecture



Grundtvugs Kirke
Personal photograph

Re-ligare

Origin of the word Religion

Horr, S. F. (1912). The Etymology of Religion. Journal Of The American Oriental Society, 32(2), 126–132.

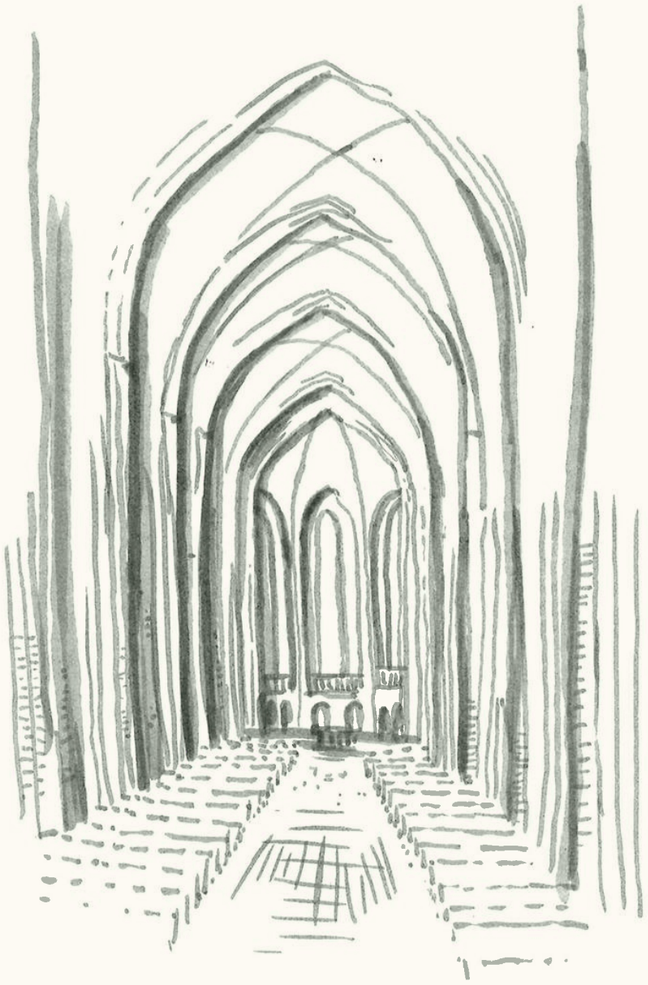
To re-bind or to re-connect

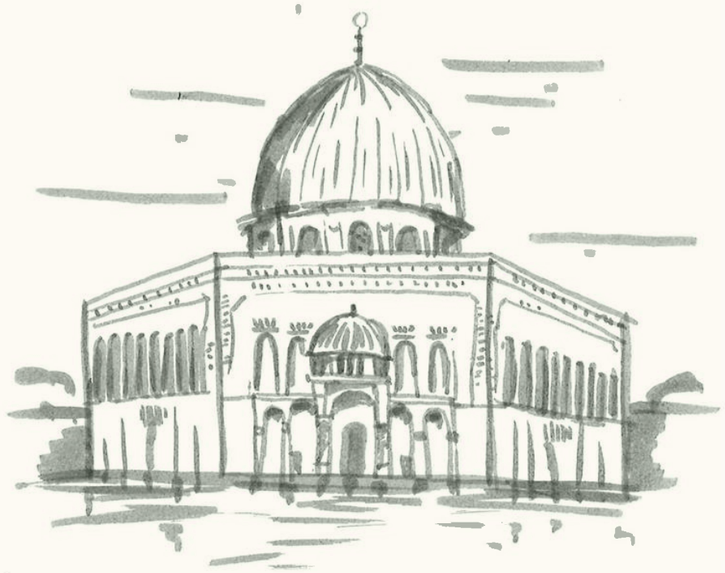
The human desire to feel connected to something bigger then themselves

1 Case Studies

Religious Architecture

Case study analysis



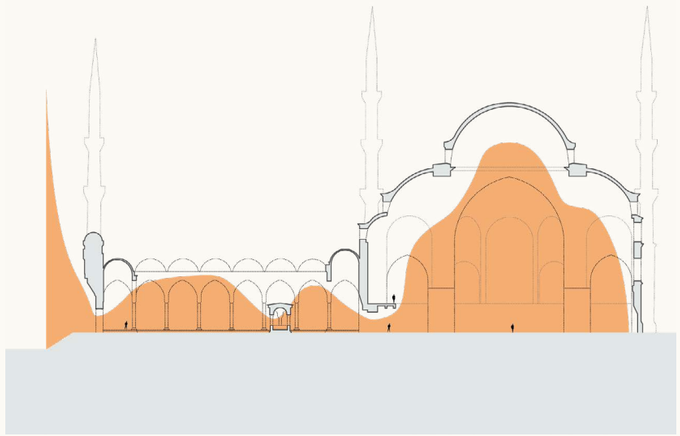




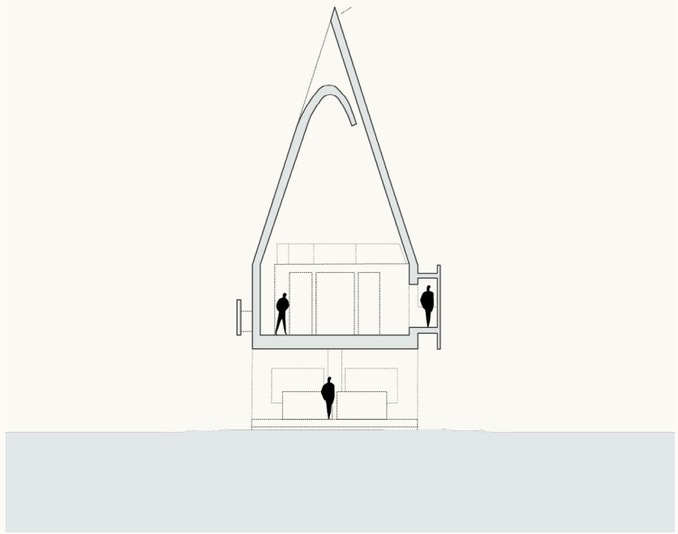
Religious Architecture
Drawings taken out of religious architecture analysis

Religious Architecture

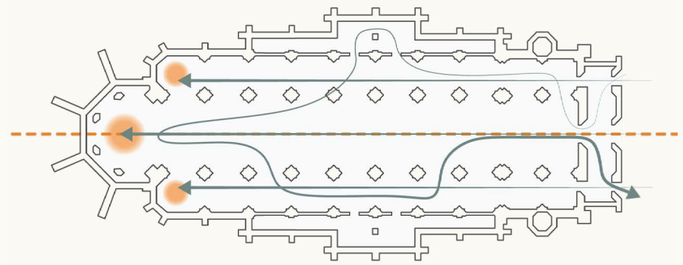
Case study analysis



1
Compression & Expansion



2
Hierachy in scale

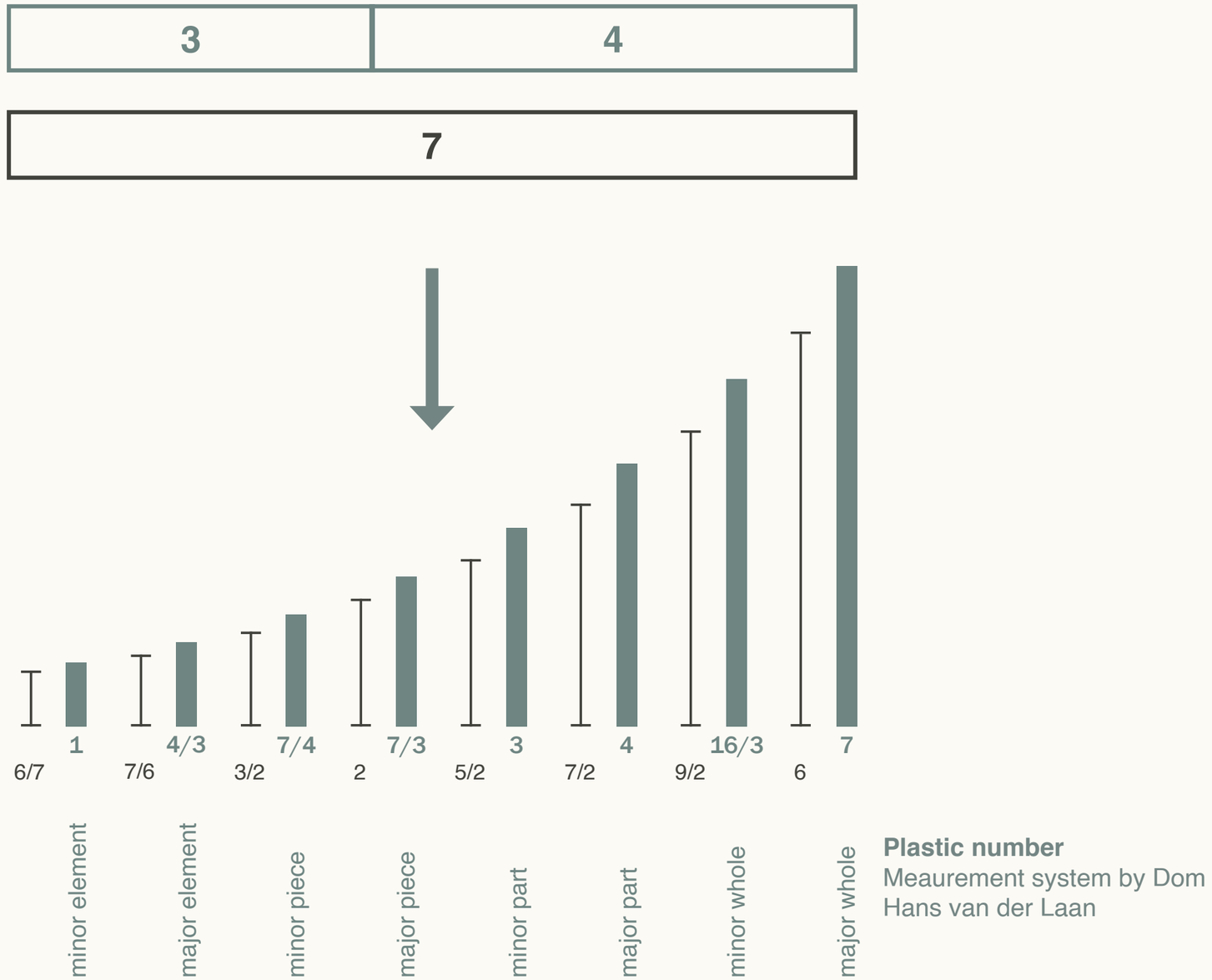


3
Clear geometry & Focal points

Religious Architecture
Drawings taken out of religious architecture analysis

Dom Hans van der Laan

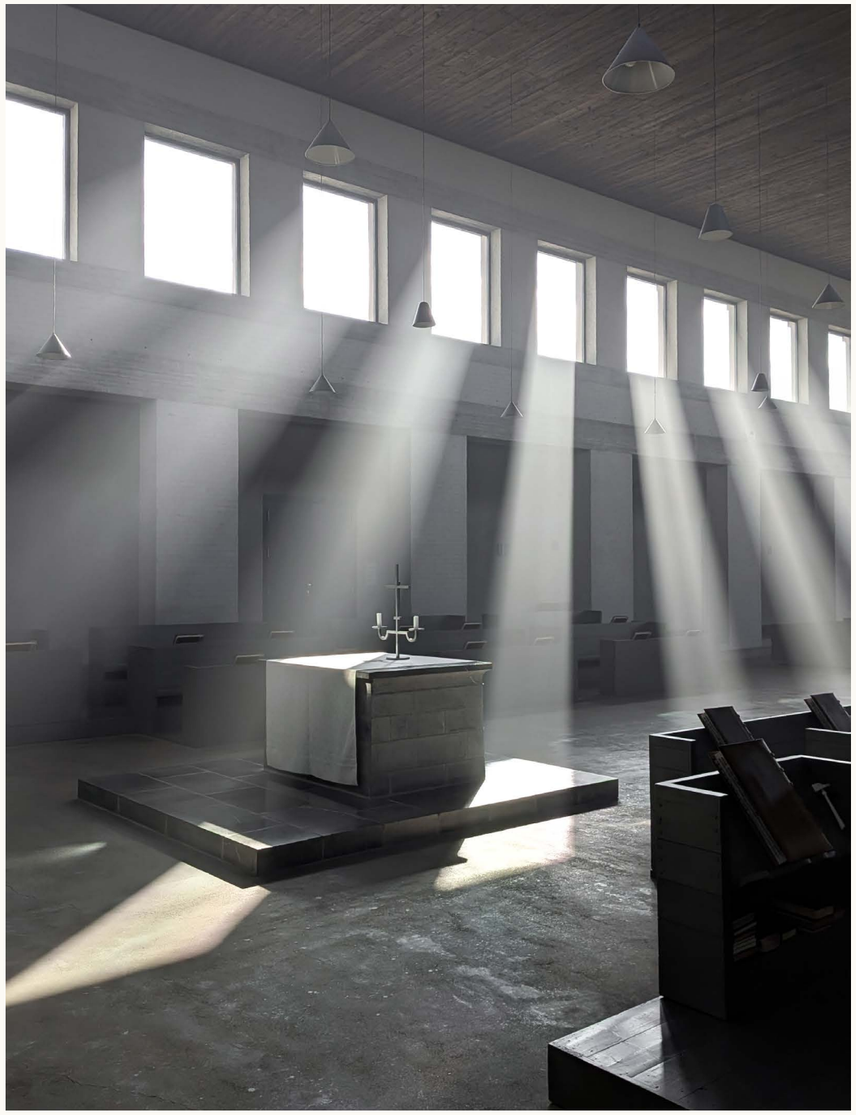
Theory



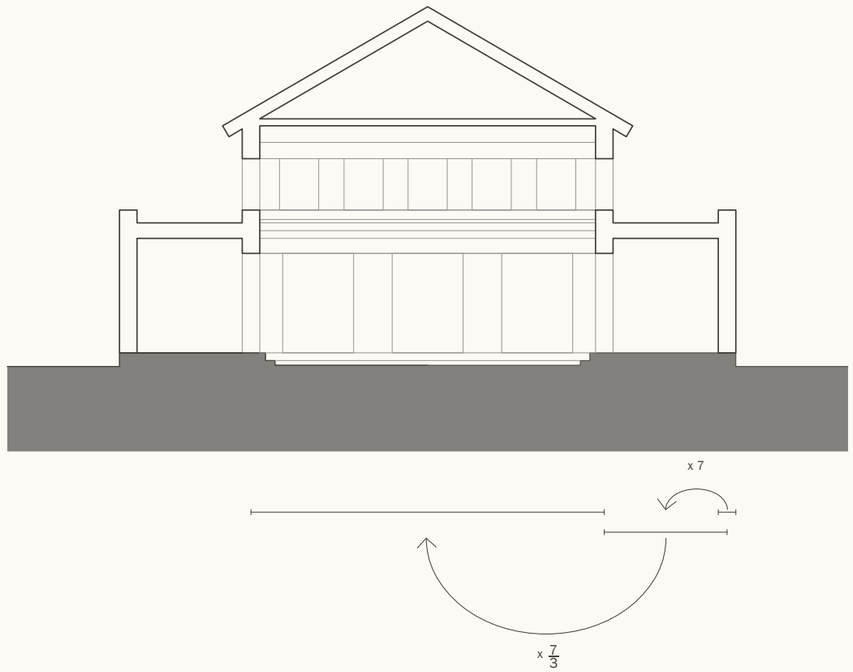
Plastic number
Meaurement system by Dom Hans van der Laan

Dom Hans van der Laan

Case study analysis



St. Benedictusberg Abbey
Personal photograph taken in the
St. benedictusberg Abbey



Superposition Analysis
Diagram of the church of
St. benedictusberg Abbey

2 The Location

The Patarei Prison

Beacon of Soviet oppression



The Patarei
Picture by Inseneribüroo
PLUSS OÜ

The Museum

The international museum for victims of communism



Patarei Prison interior
Charcoal drawing

Site Selection

The abandoned bread factory



Site Selection
Diagram of Patarei (white) and
site (orange)



Archival Photograph
Estonian History Museum



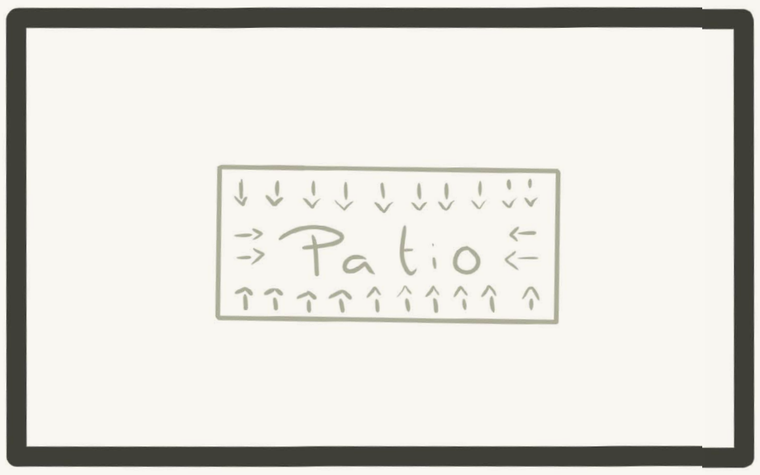
Site Selection
Personal photograph

3 The Design

Reconnection

Personal & contextual reconnection

Personal Reconnection



Contextual Reconnection



Reconnection Diagrams
Personal & contextual reconnection

Current Situation

The abandoned factory



Design concept
Existing buildings

Personal Reconnection

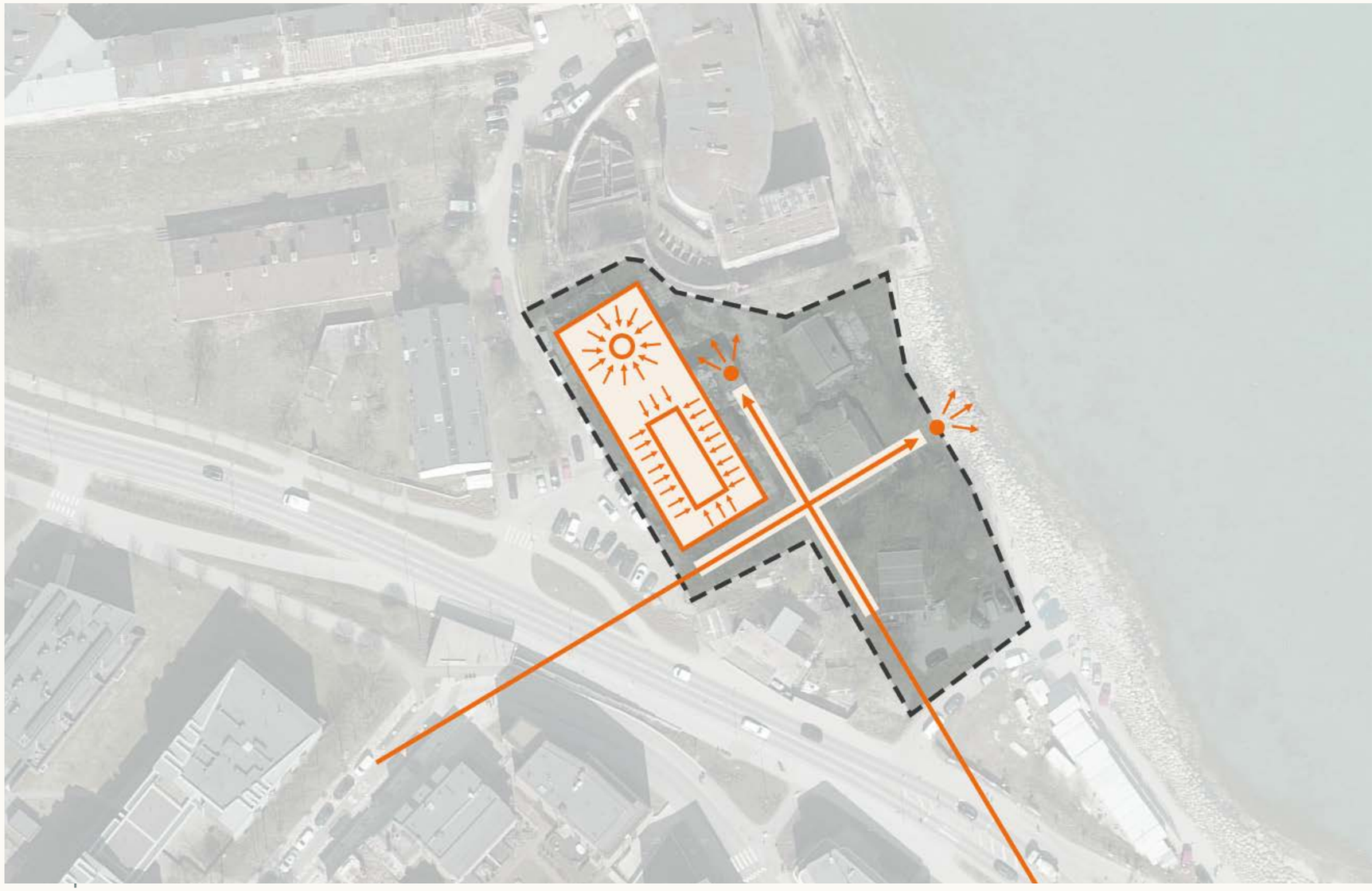
Inward focussed spaces



Design concept
Personal reconnection

Contextual Reconnection

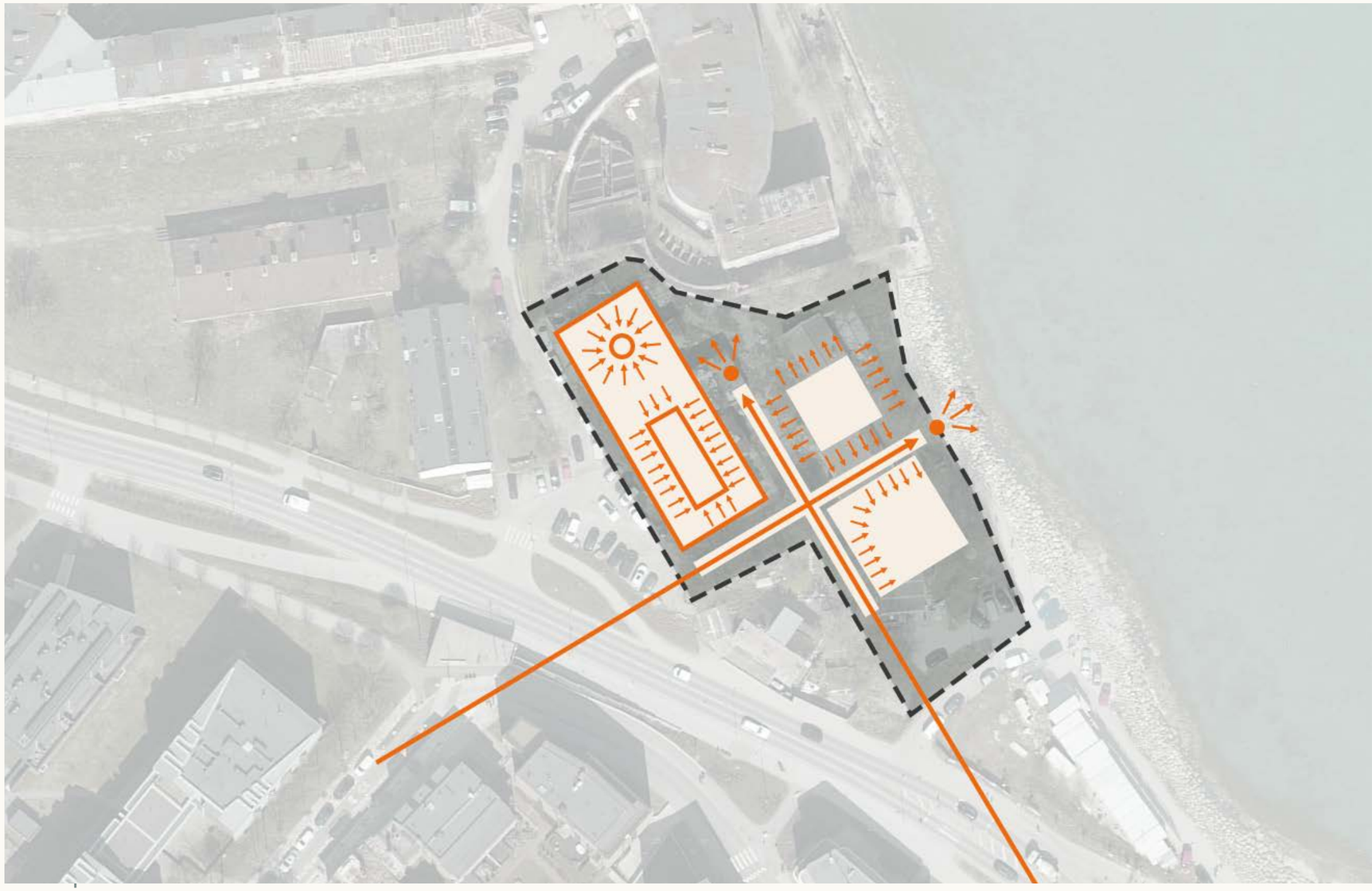
Context as the focal point



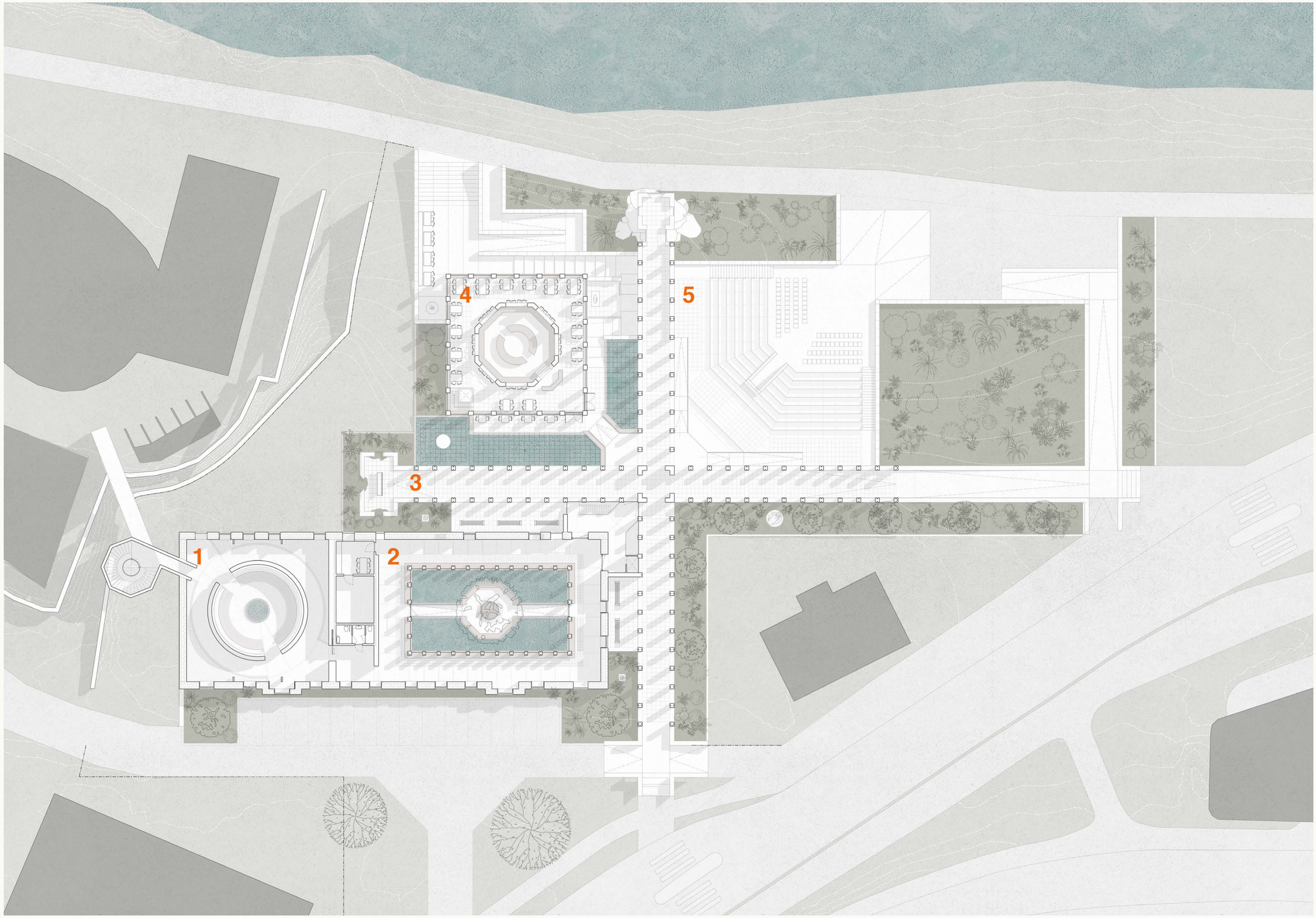
Design concept
Contextual reconnection

Contextual Reconnection

Public functions to activate the pavilion

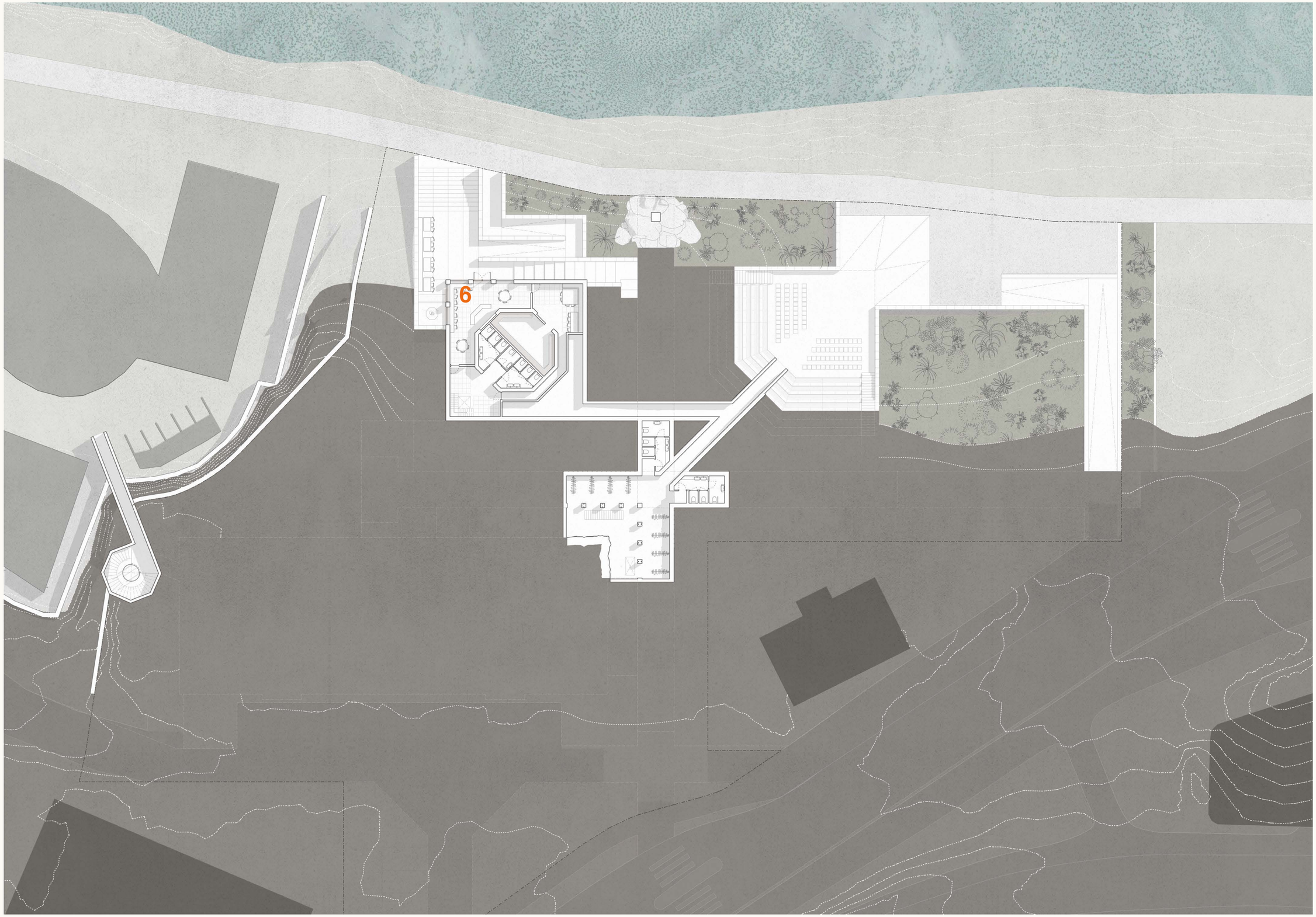


Design concept
Public functions

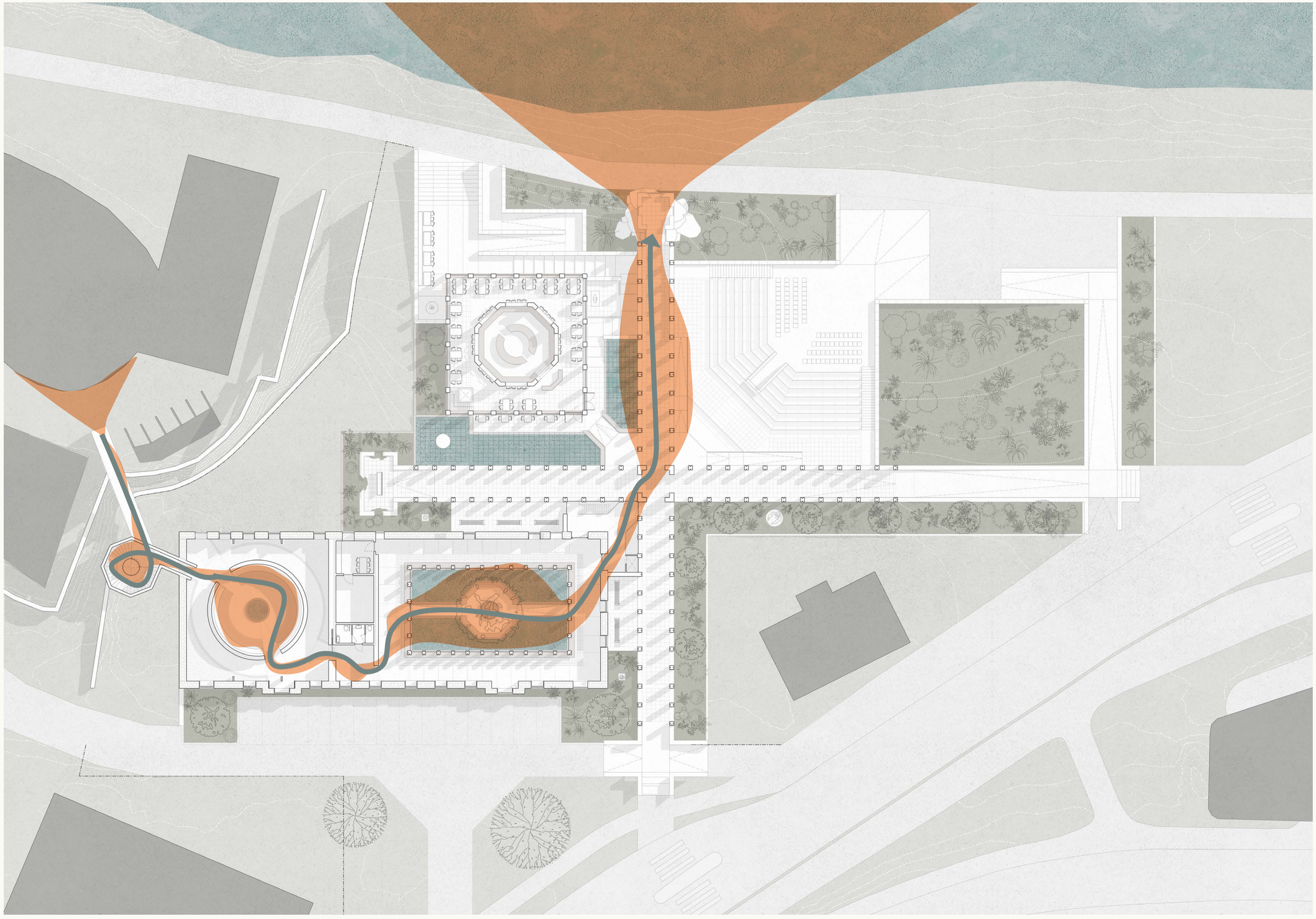


0 1 2 3 5 10 15 25

Main floorplan

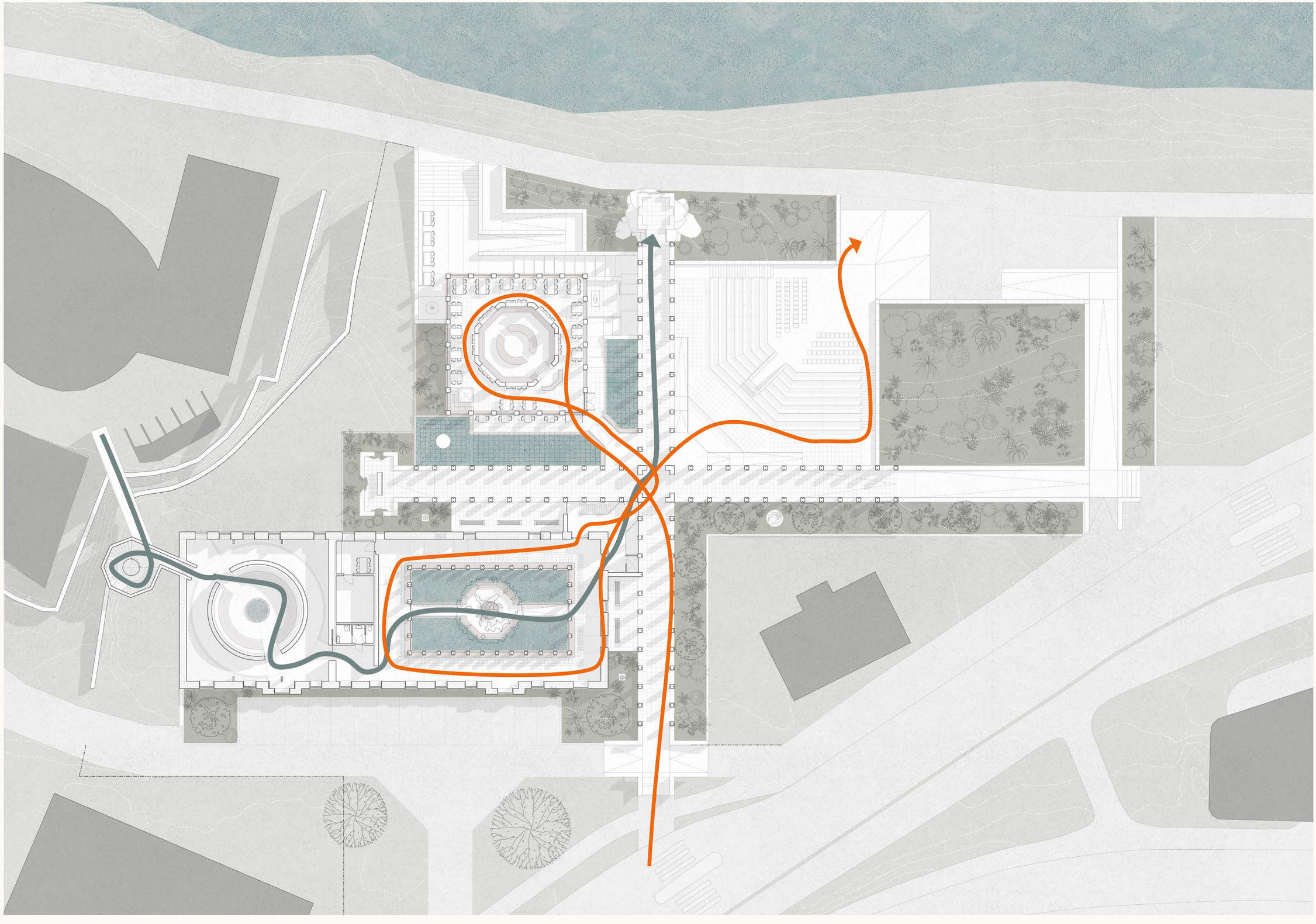


Lower floorplan



0 1 2 3 5 10 15 25

Main floorplan
As the exit route

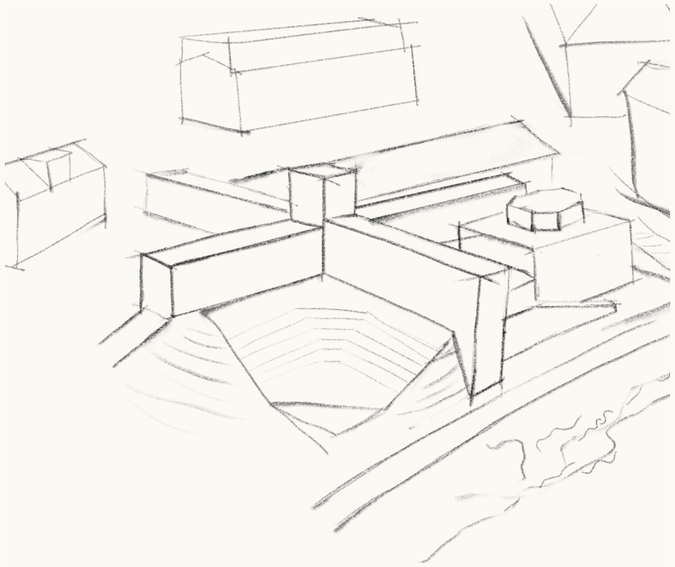


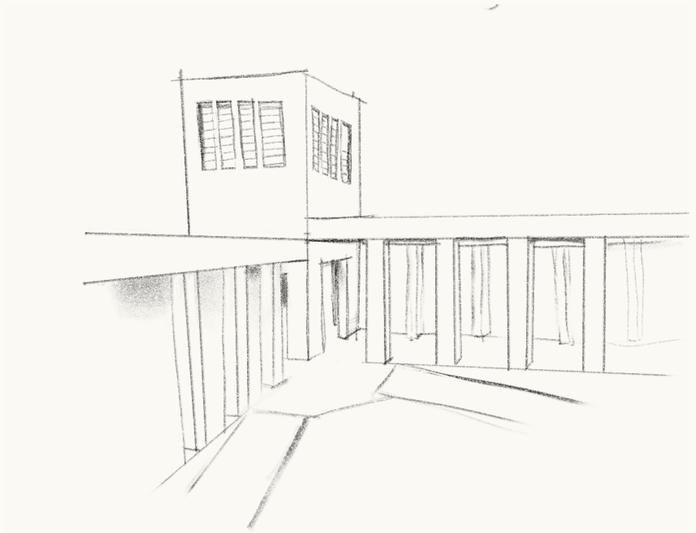
0 1 2 3 5 10 15 25

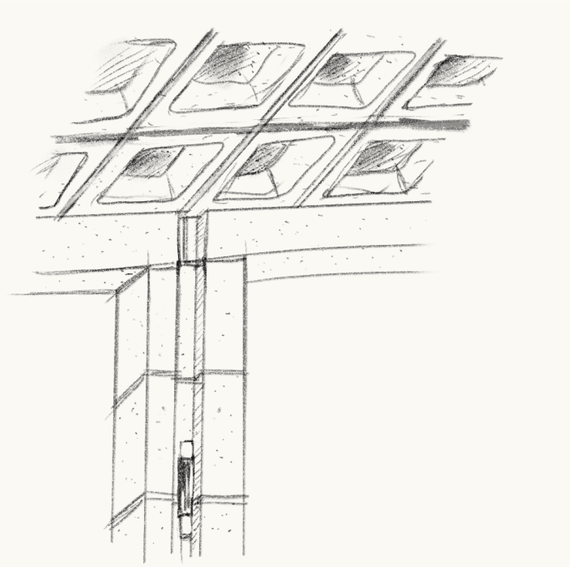
Main floorplan
As a public pavilion

Zooming In

Exploring the project through the scales



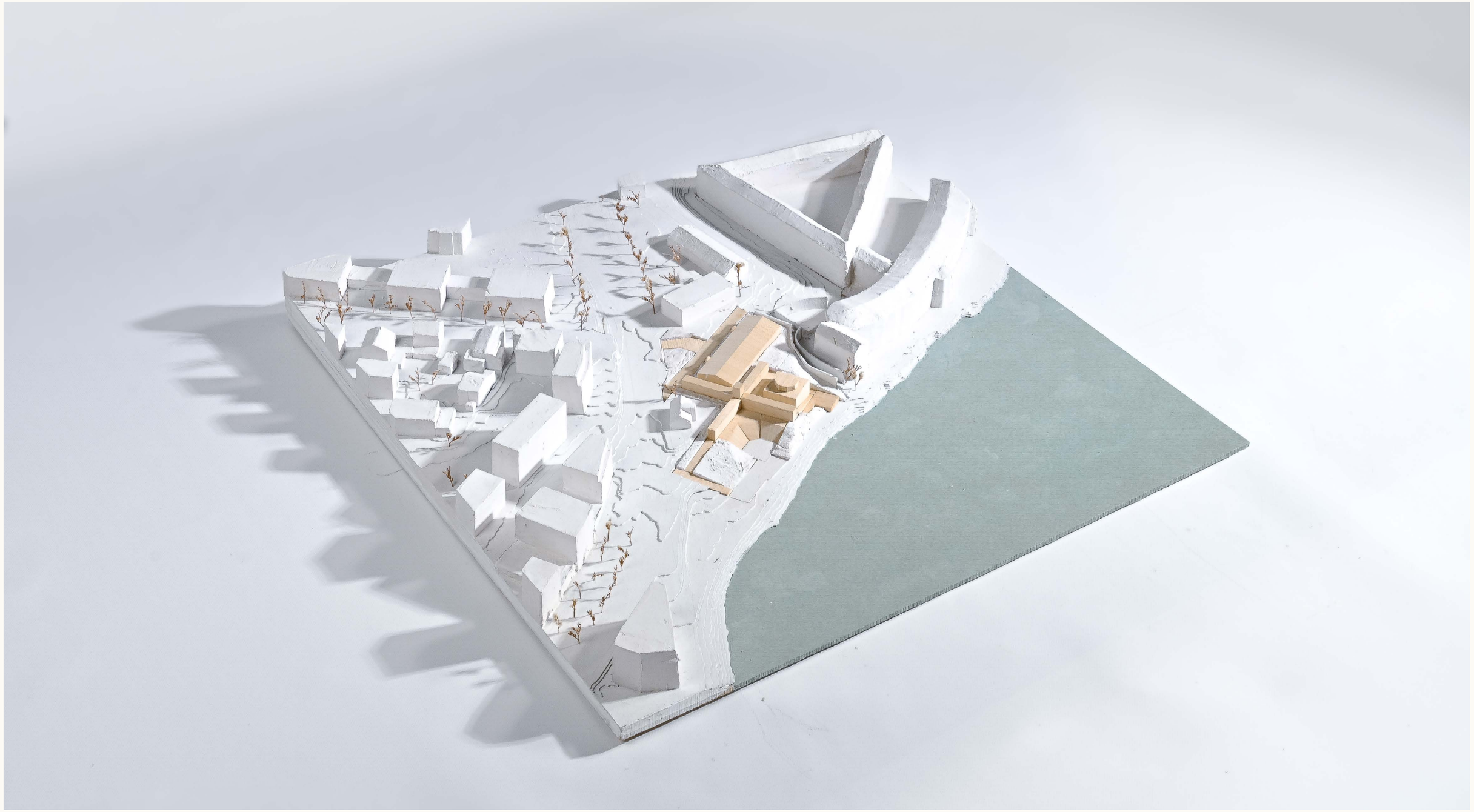




Zooming in
The project through the scales

The Urban Scale

1:500 model

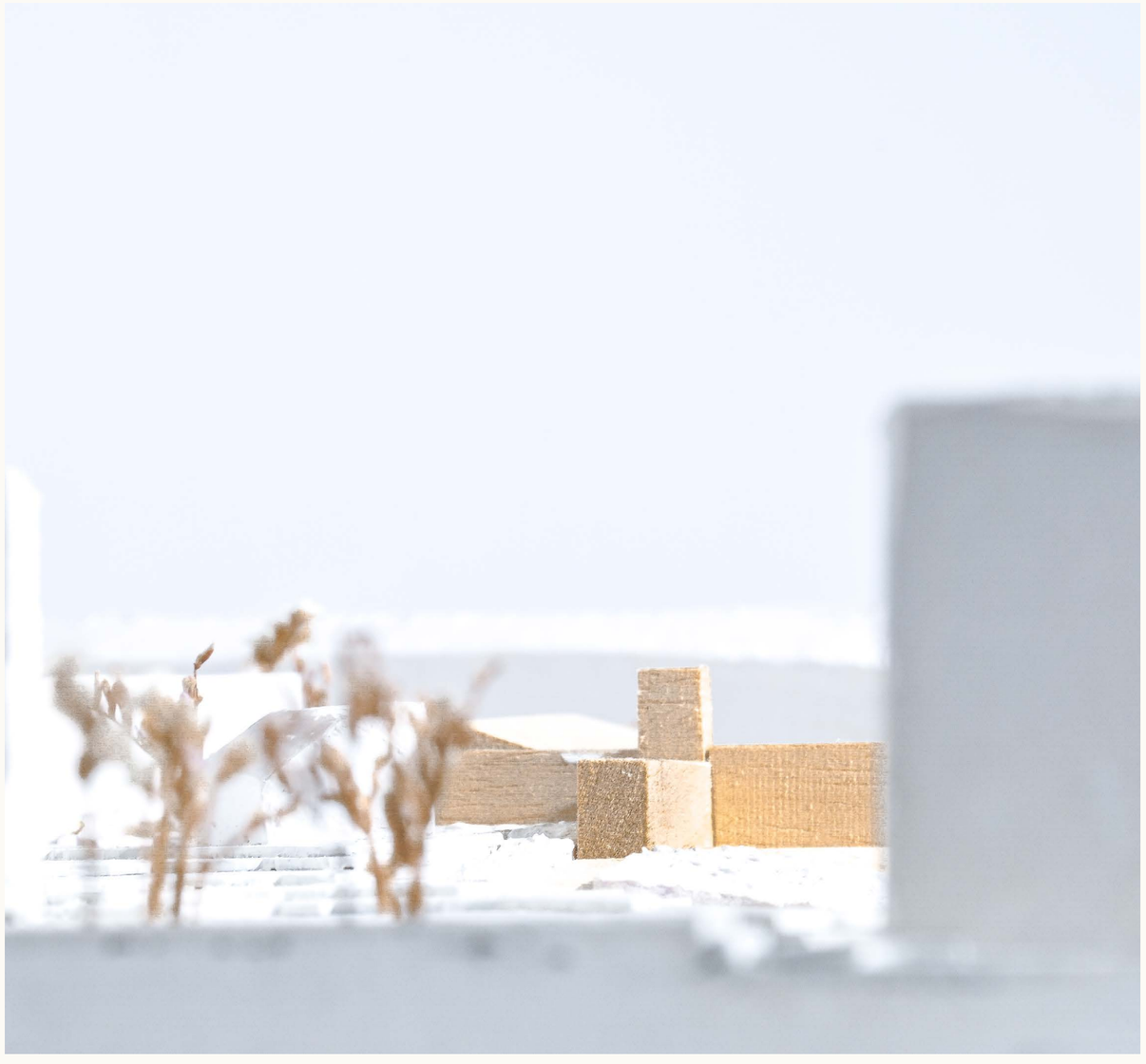


1:500 model
The overview

The Urban Scale

the two axes





1:500 model
The two axes

The building

1:100 scale



1:100 model
Personal and contextual reconnection

Personal Reconnection

introverted spaces



Section 1
Showing the personal reconnection

The Dome

Personal Reconnection



Section 1
Zooming in on the dome

The Dome

Personal Reconnection



Render of the dome
Showing light as the main focal point

The Courtyard

Personal Reconnection



Section 1
Zooming in on the courtyard

The Courtyard

Personal Reconnection



Render of the courtyard
Gallery leading into the courtyard landscape

Contextual Reconnection

The colonnades



Section 2
Showing the contextual reconnection

Contextual Reconnection

Framing the sea



Section 2
Zooming in on the sea viewing platform

Framing the Sea

Colonnades filtering the surroundings



Framing the sea
Colonnades as a visual filter

Contextual Reconnection

Framing the Patarei



Section 2
Zooming in on the Patarei
viewing platform

Framing the Patarei

Colonnades filtering the surroundings



Framing the patarei
Colonnades as a visual filter

Public Functions

Activating the pavilion



Section 3
Showing the public funtions

The Restaurant

An open view



Section 3
Zooming in on the restaurant

The Restaurant

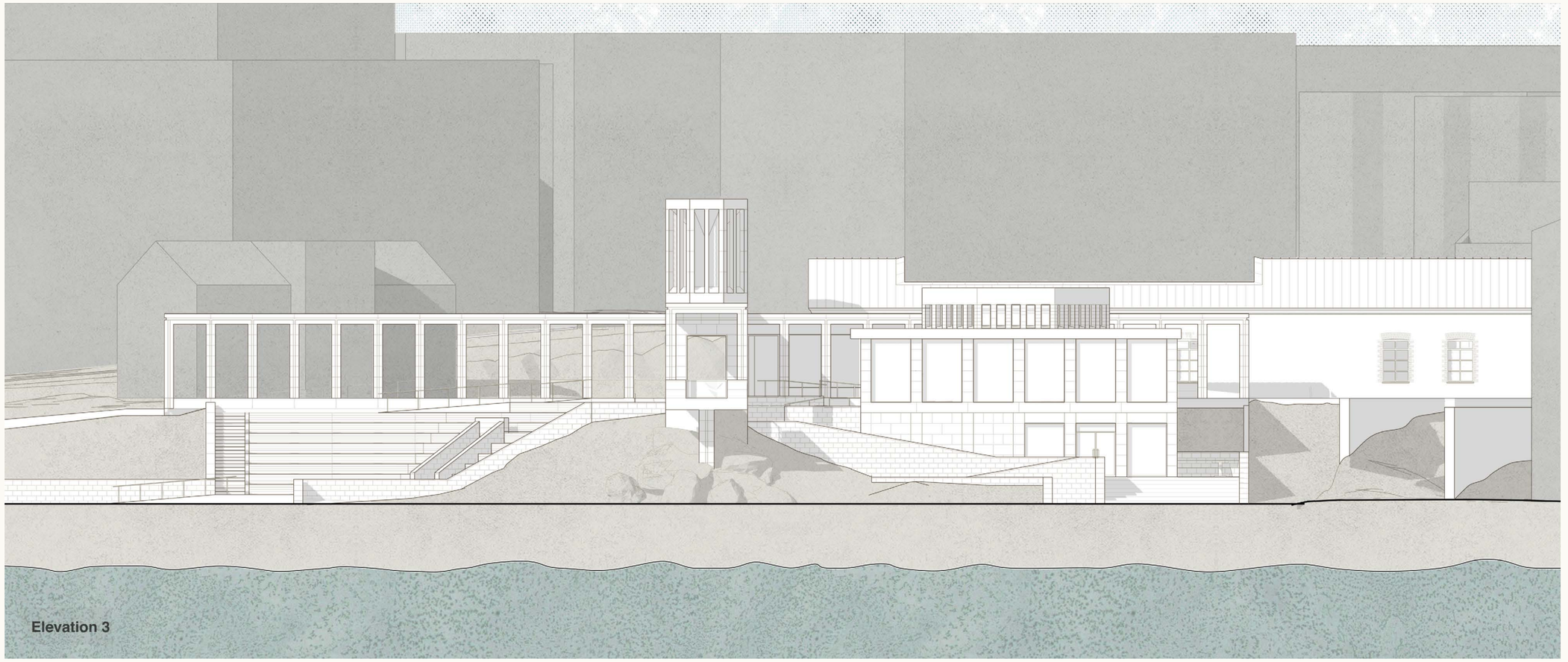
An open view



Render of the restaurant
Allowong for views of the kitchen and the context

The Seafront

Inviting the visitors to enter



Elevation 3
Showing the view from the seaside

The Public Pavilion

opening up to the seafront



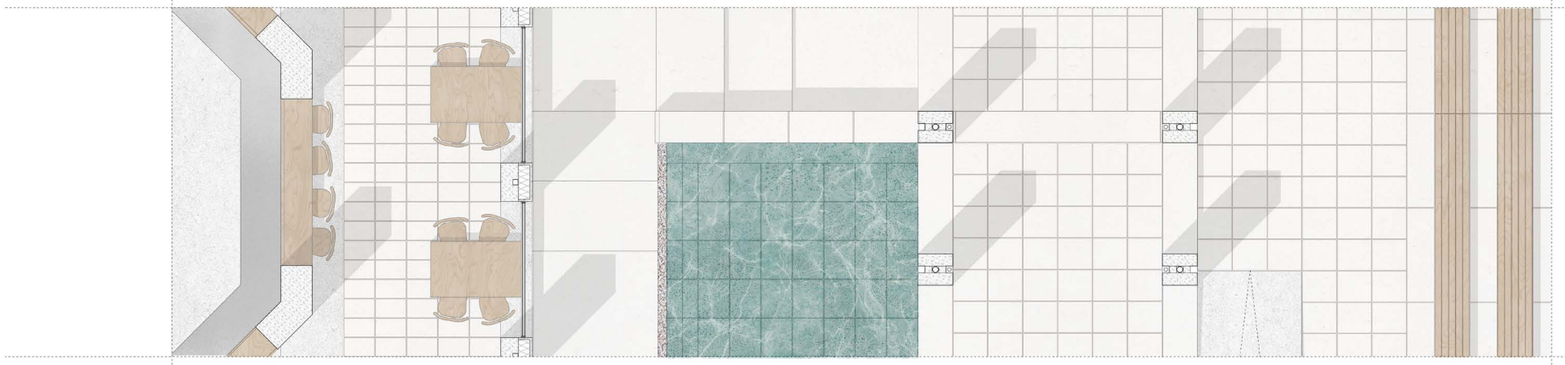
Render from the sea
Showing how the pavilion opens up towards the boulevard

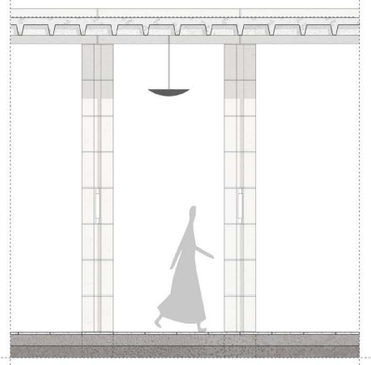
The Fragment

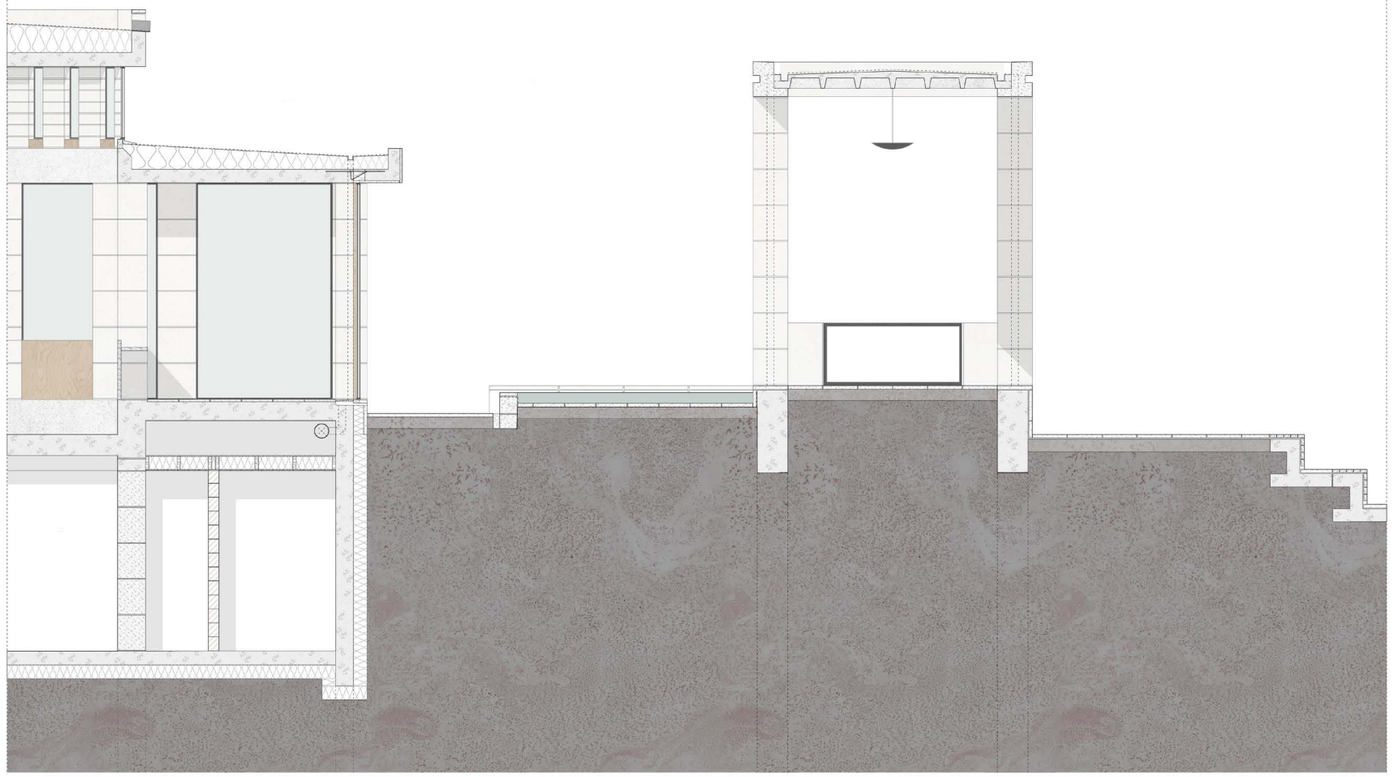
1:25 scale

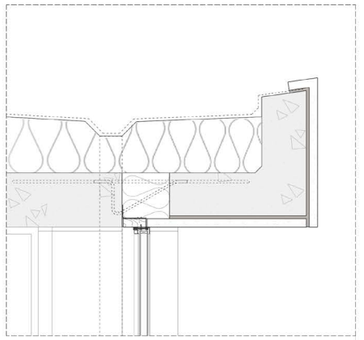


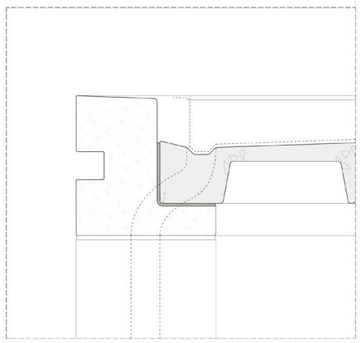
1:25 model
Showing contrast
between old and new



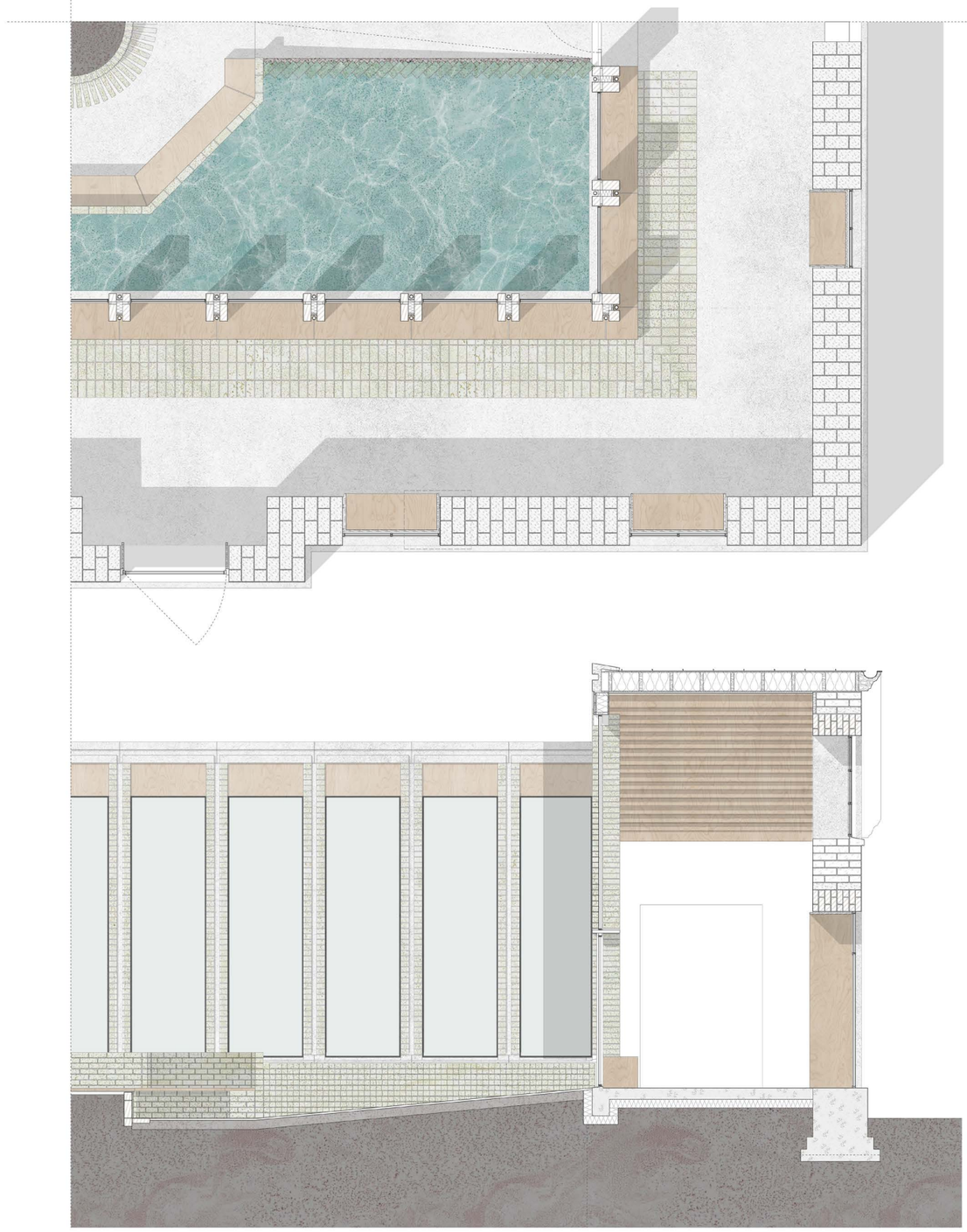


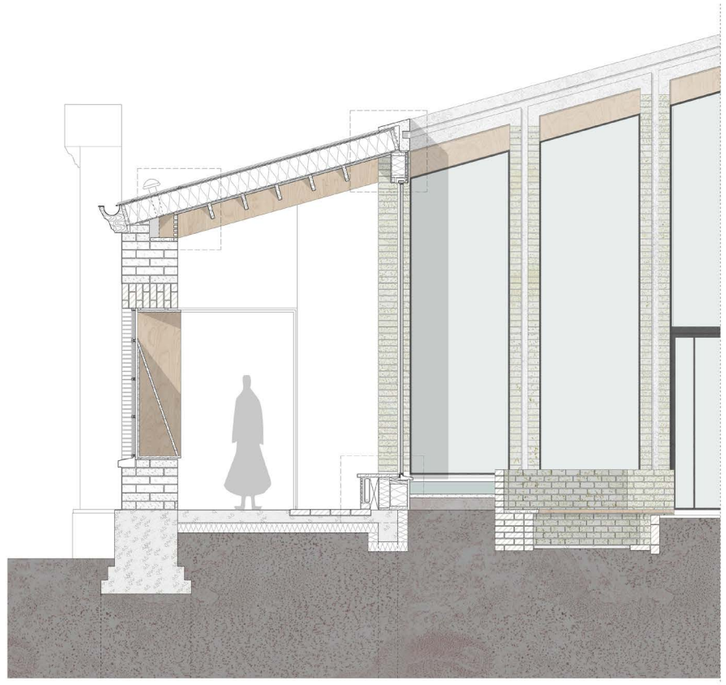


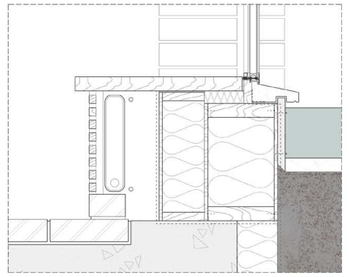


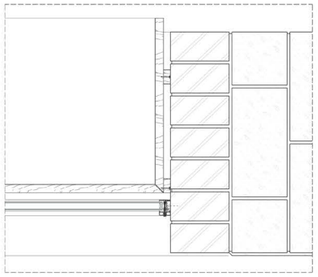


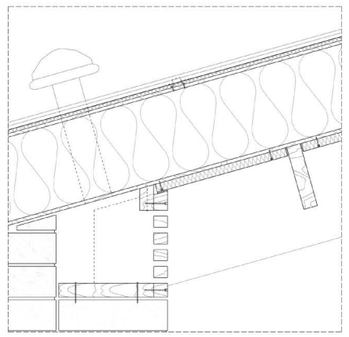
Colonnade fragment
1:20 with 1:5 details

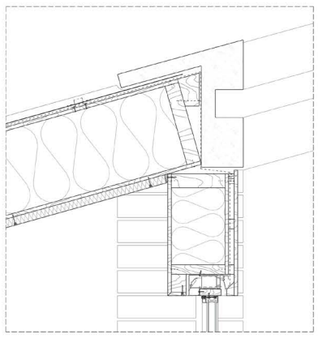






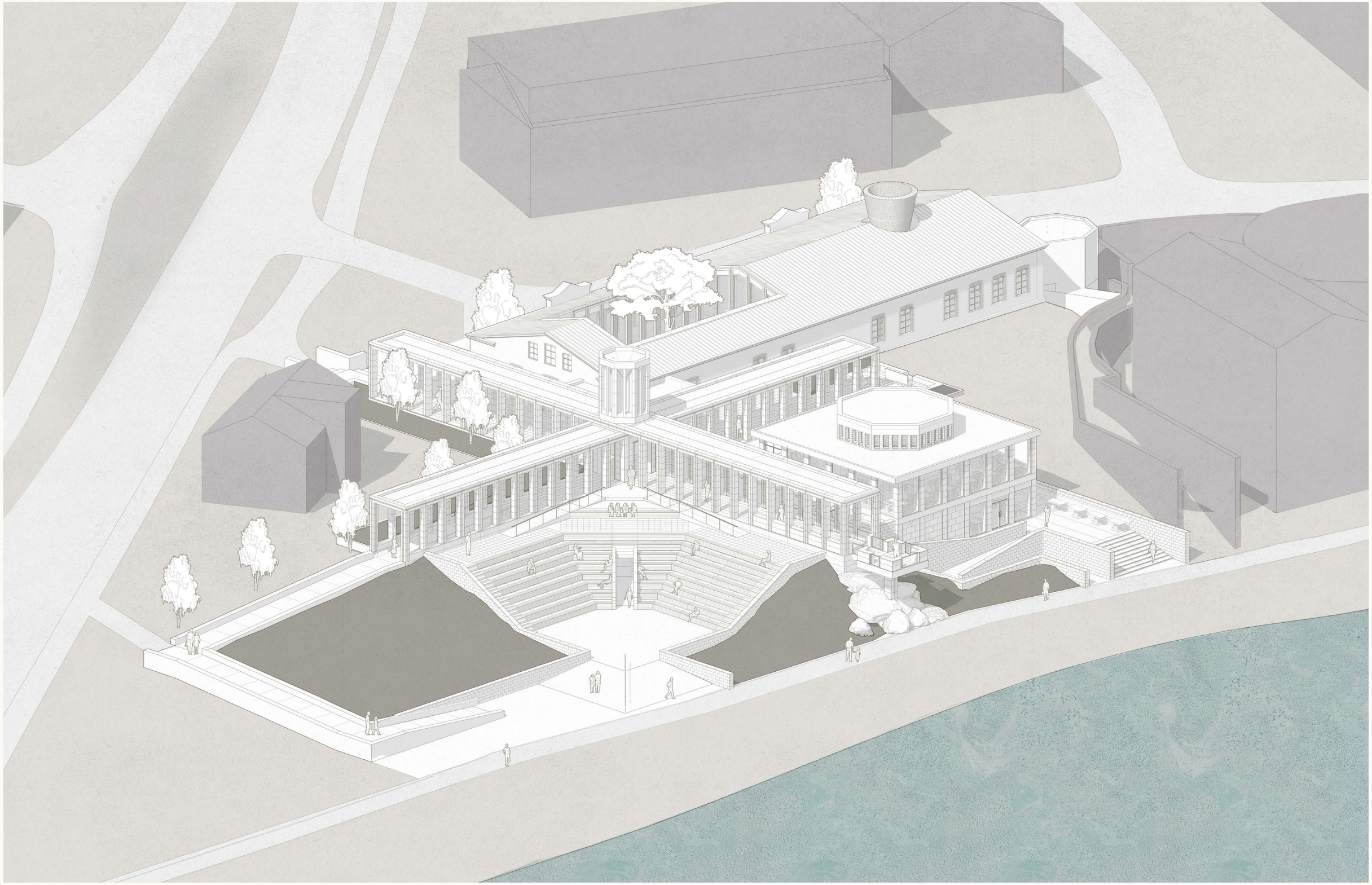








Courtyard fragment
1:20 with 1:5 details



Isonometric
Showing the building as a whole