

A walk through the bridge

creating a private time in public space

P5 presentation

Studio Public Building - Border Conditions

Helen Zhang

Research

Topic of interest
Case studies
Spatial language

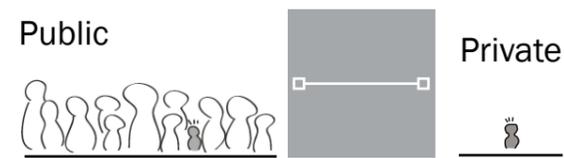
From research to design

Design location
Spatial explorations

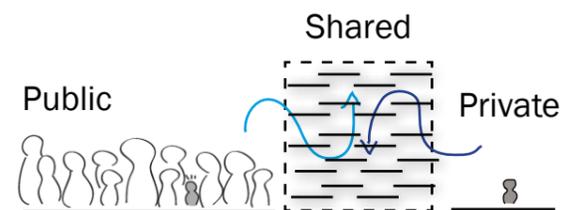
Design

Introducing the new system
Materialization

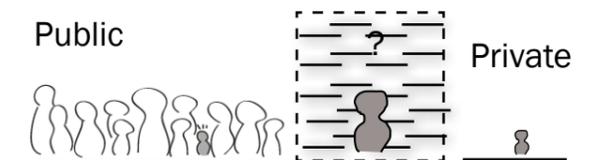
Experiencing the in-between



Public space: Space accessible to everyone, that can be appropriated, but not owned



The moment when you feel you are shifting from a public domain to a private domain, and vice versa.



Confused, when one can not distinguish what is private and what is public any more.

Shared space

“All spaces where everyday life takes place; and maybe they are more and more often spaces that are not public nor private, but both at the same time”

- Manuel de Sola-Morales

“Urban Formation and Collective Spaces”

Experiencing the in-between

“Storefront for art and architecture”
by Steven Holl & Vito Acconci



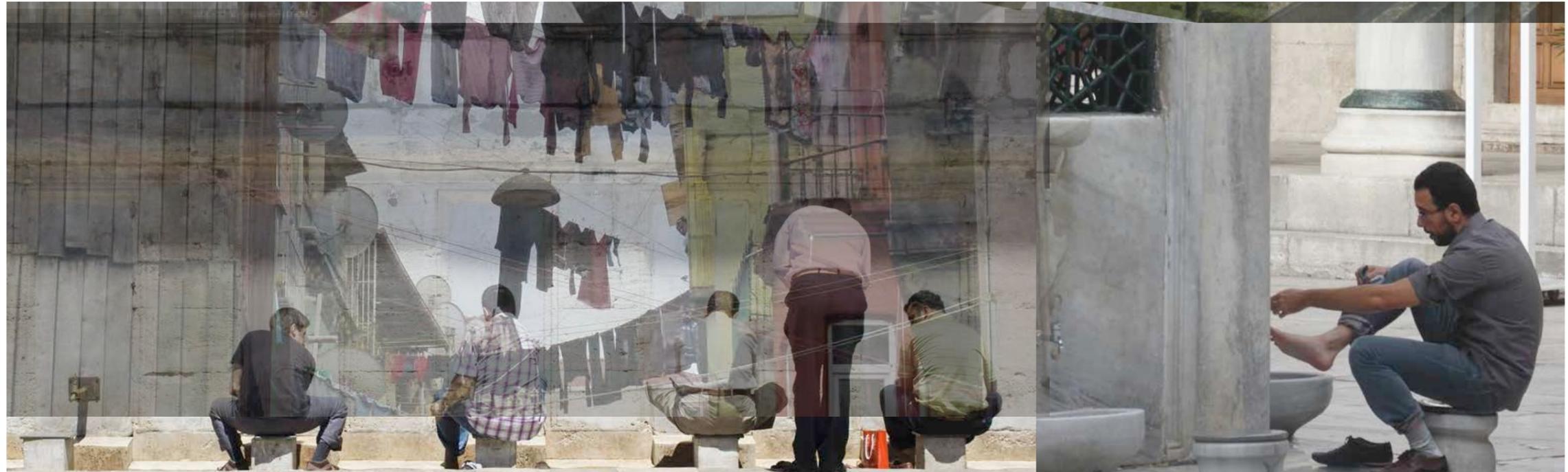
Shared space

“ A collective space, optimistic and relaxed -- and in many aspects changable, mutable, precarious and reversible -- for a city ultimately more joyful and exciting than elegant.”

- Manuel Gausa

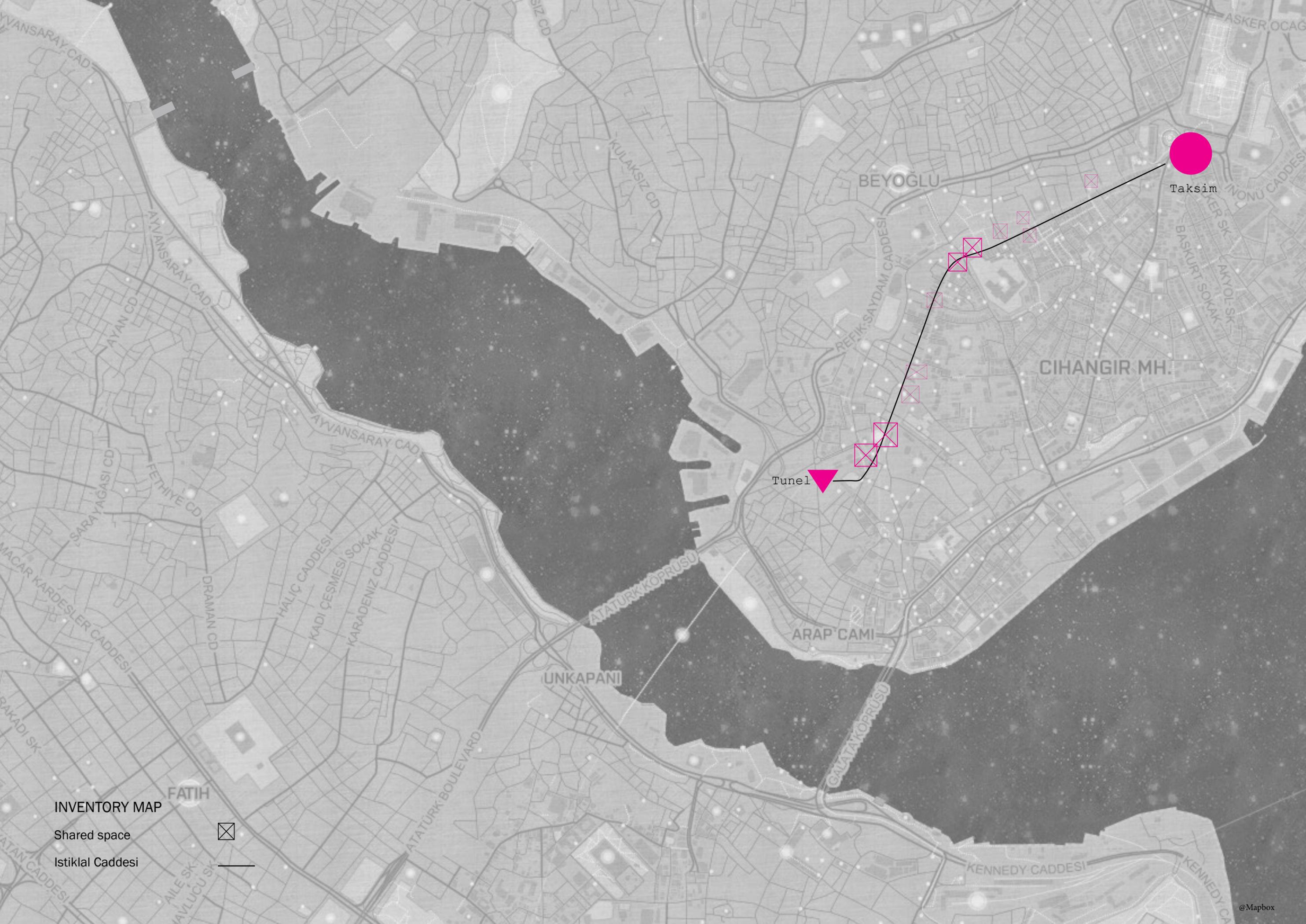
“The Metapolis Dictionary of Advanced Architecture”

Experiencing the in-between



Streetlife of Istanbul

The activities of public life and the appropriation by individuals for temporary uses encounter in the public domain of Istanbul



Taksim

BEYOĞLU

CIHANGIR MH.

Tunnel



ARAP CAMI

UNKAPANI

FATİH

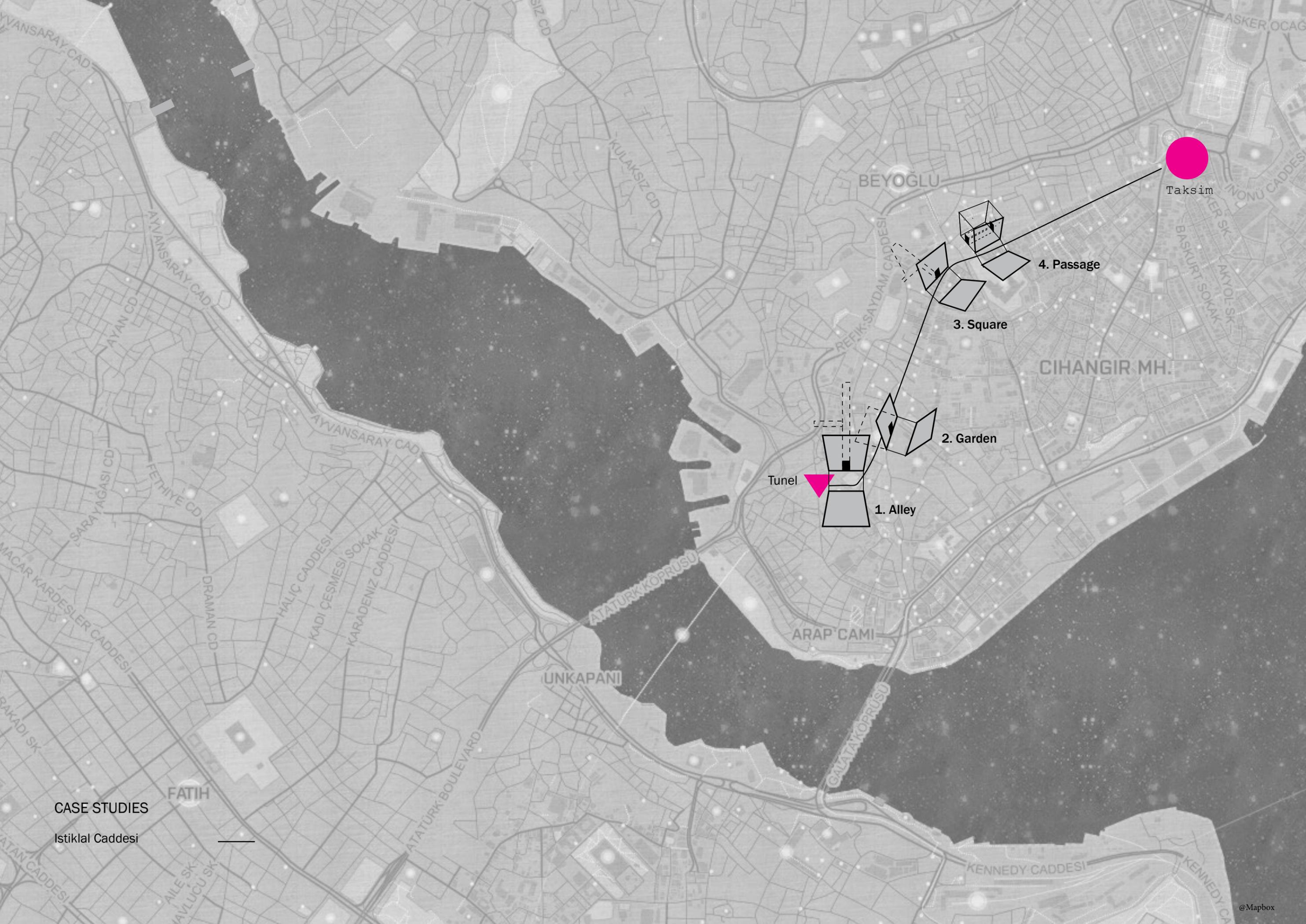
INVENTORY MAP

Shared space



Istiklal Caddesi





Taksim

4. Passage

3. Square

2. Garden

1. Alley

Tunel

BEYOĞLU

CIHANGIR MH.

ARAP CAMI

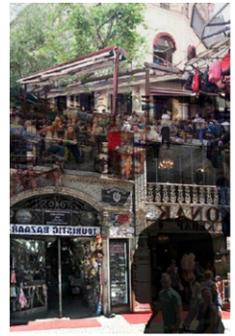
UNKAPANI

FATİH

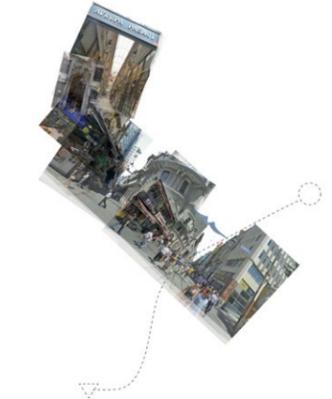
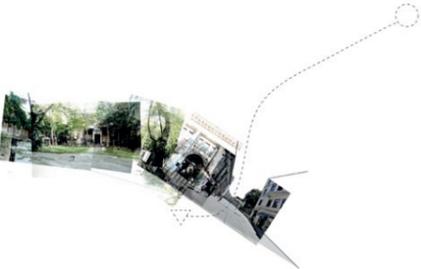
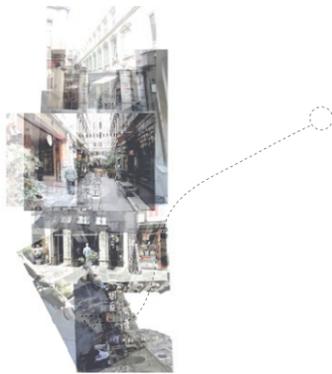
CASE STUDIES

Istiklal Caddesi

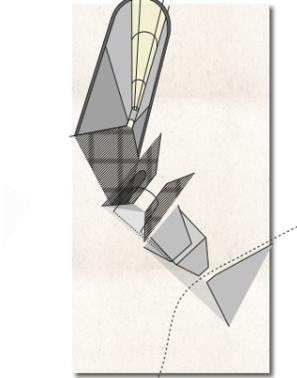
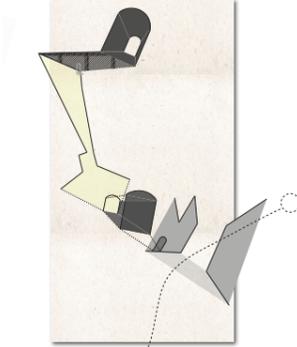
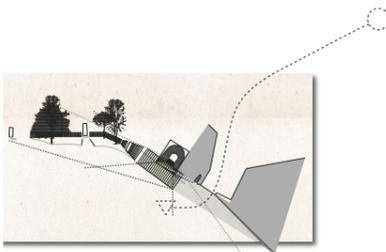
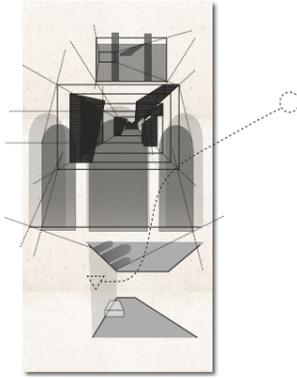
Observation



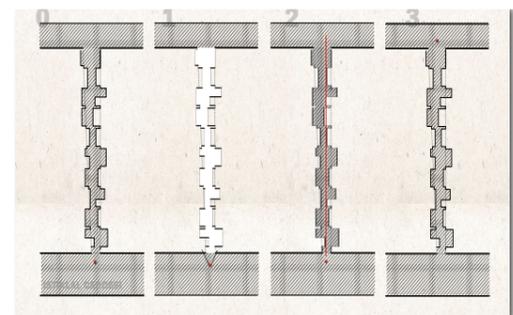
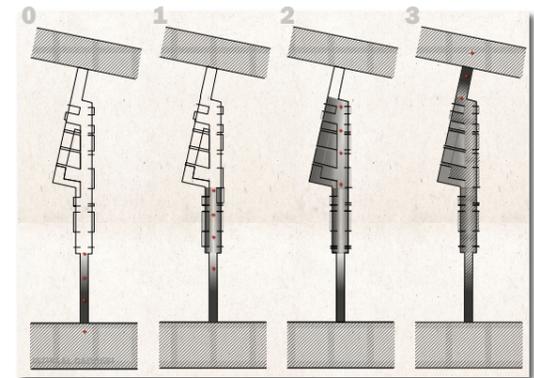
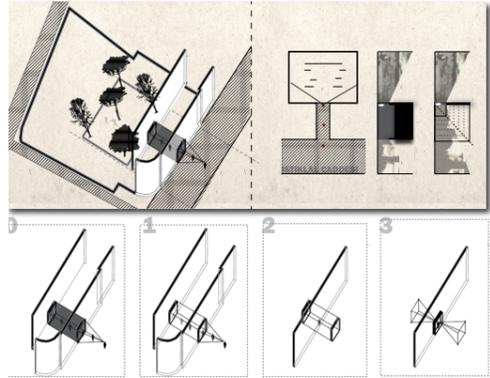
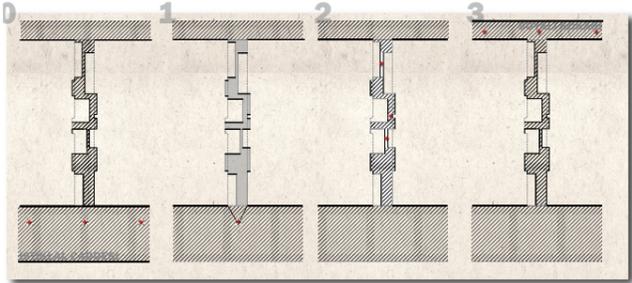
Collage



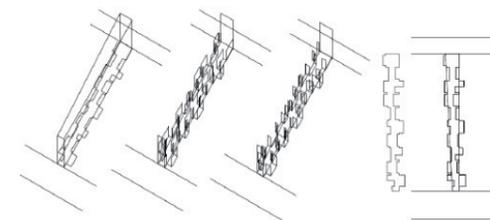
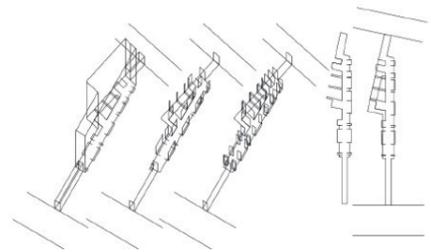
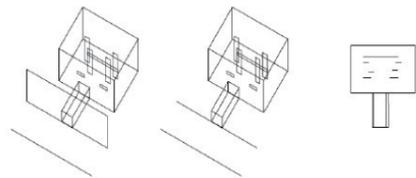
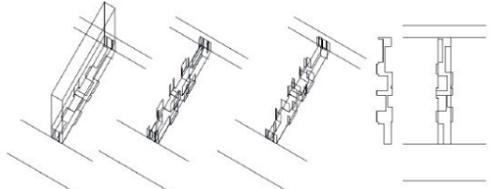
Tracing

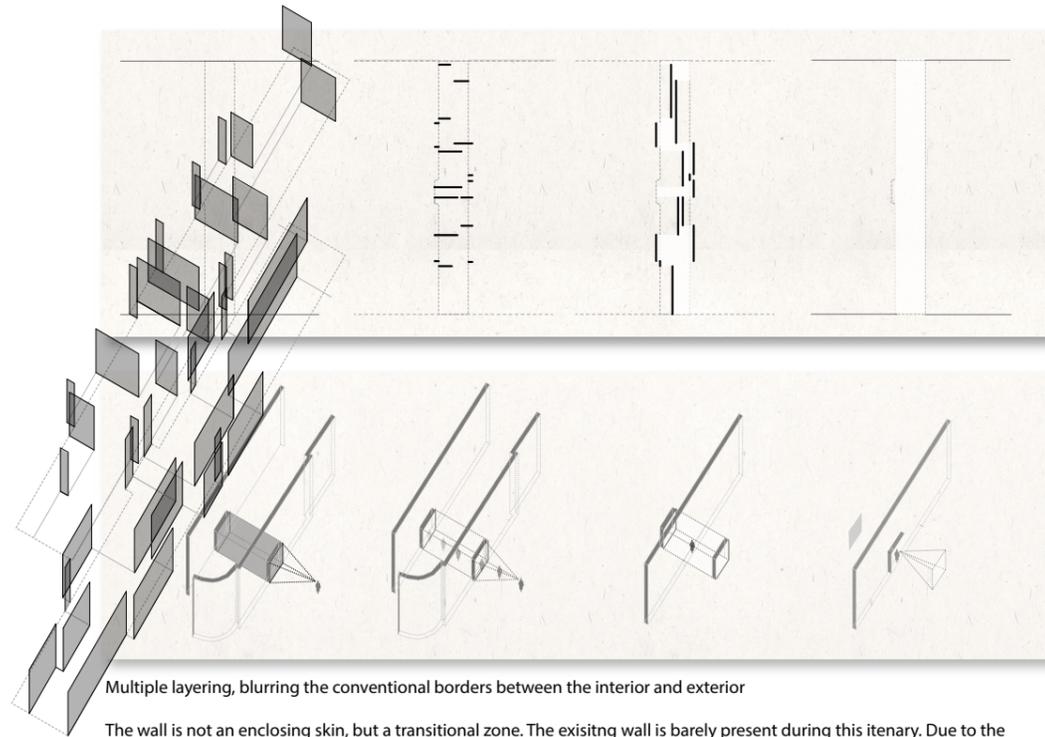


Reading



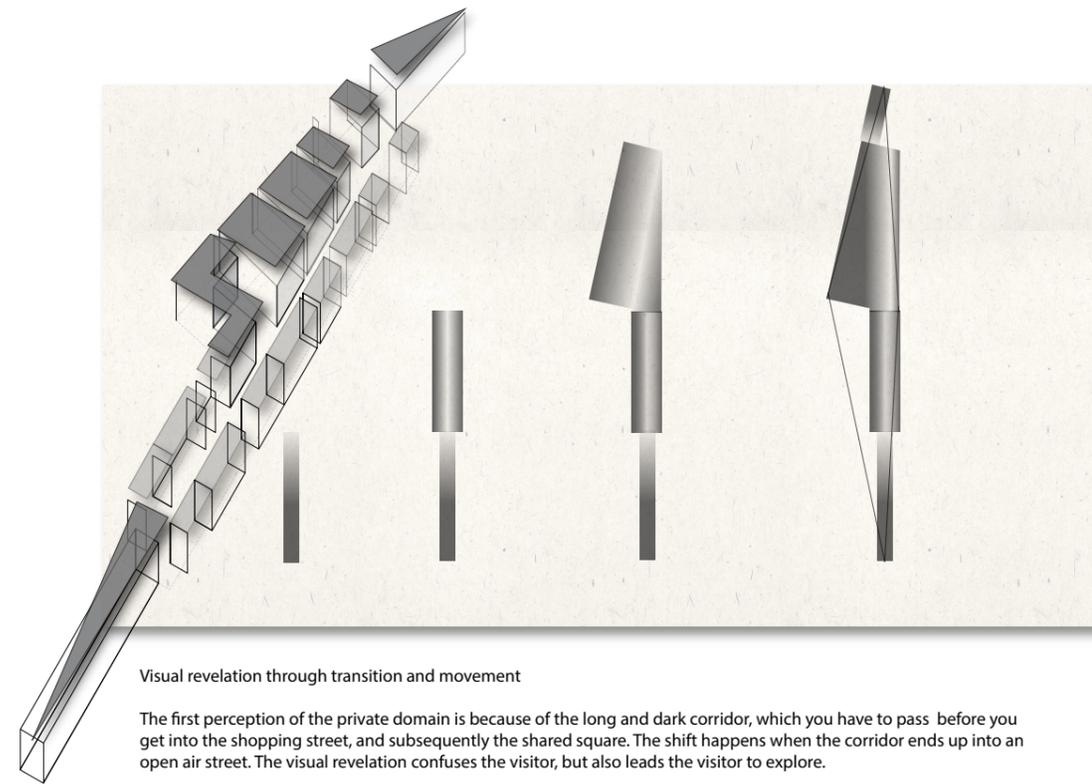
Drawing





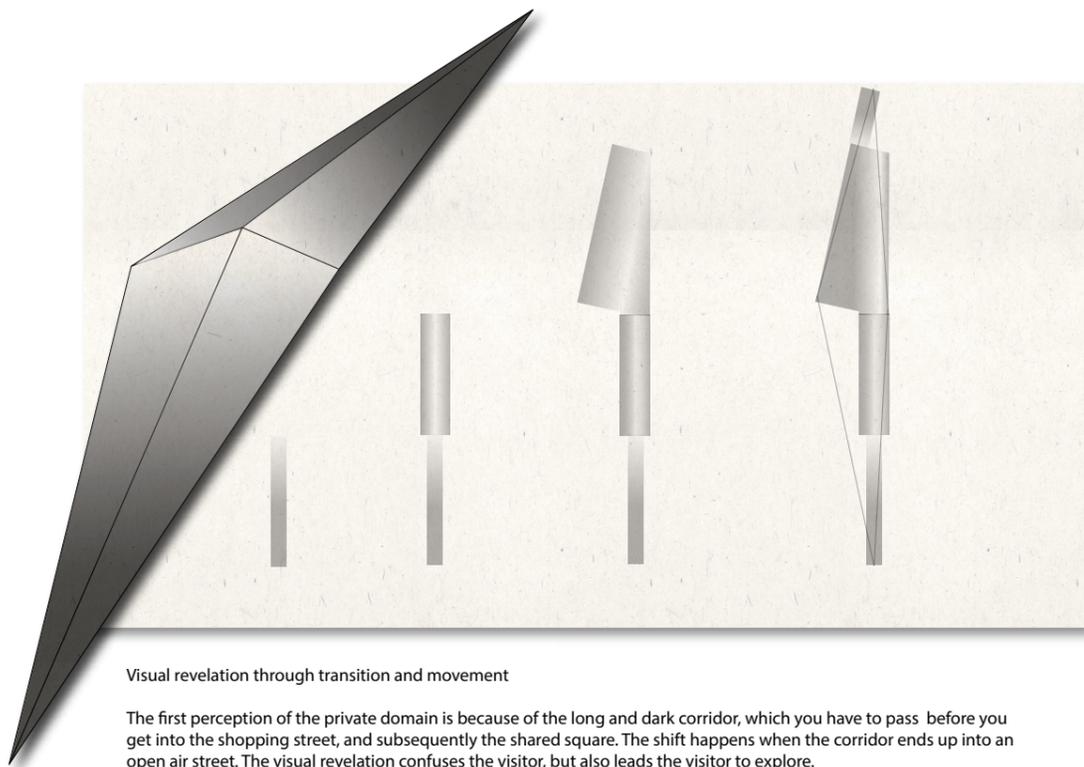
Multiple layering, blurring the conventional borders between the interior and exterior

The wall is not an enclosing skin, but a transitional zone. The existing wall is barely present during this itinerary. Due to the perceived shift of ownership, the private domain has occupied the shared space by private settings and when the shared space is publicly accessible, the settings enclose the observer as a part of the interior and replace the existing facades.



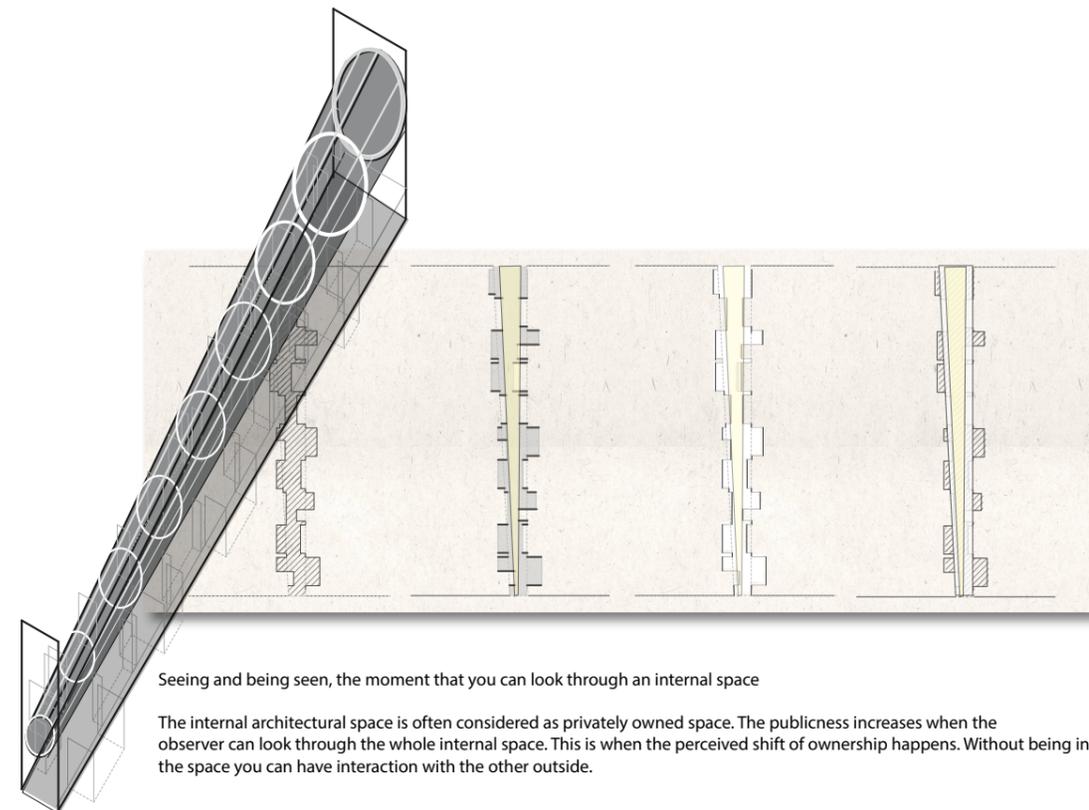
Visual revelation through transition and movement

The first perception of the private domain is because of the long and dark corridor, which you have to pass before you get into the shopping street, and subsequently the shared square. The shift happens when the corridor ends up into an open air street. The visual revelation confuses the visitor, but also leads the visitor to explore.



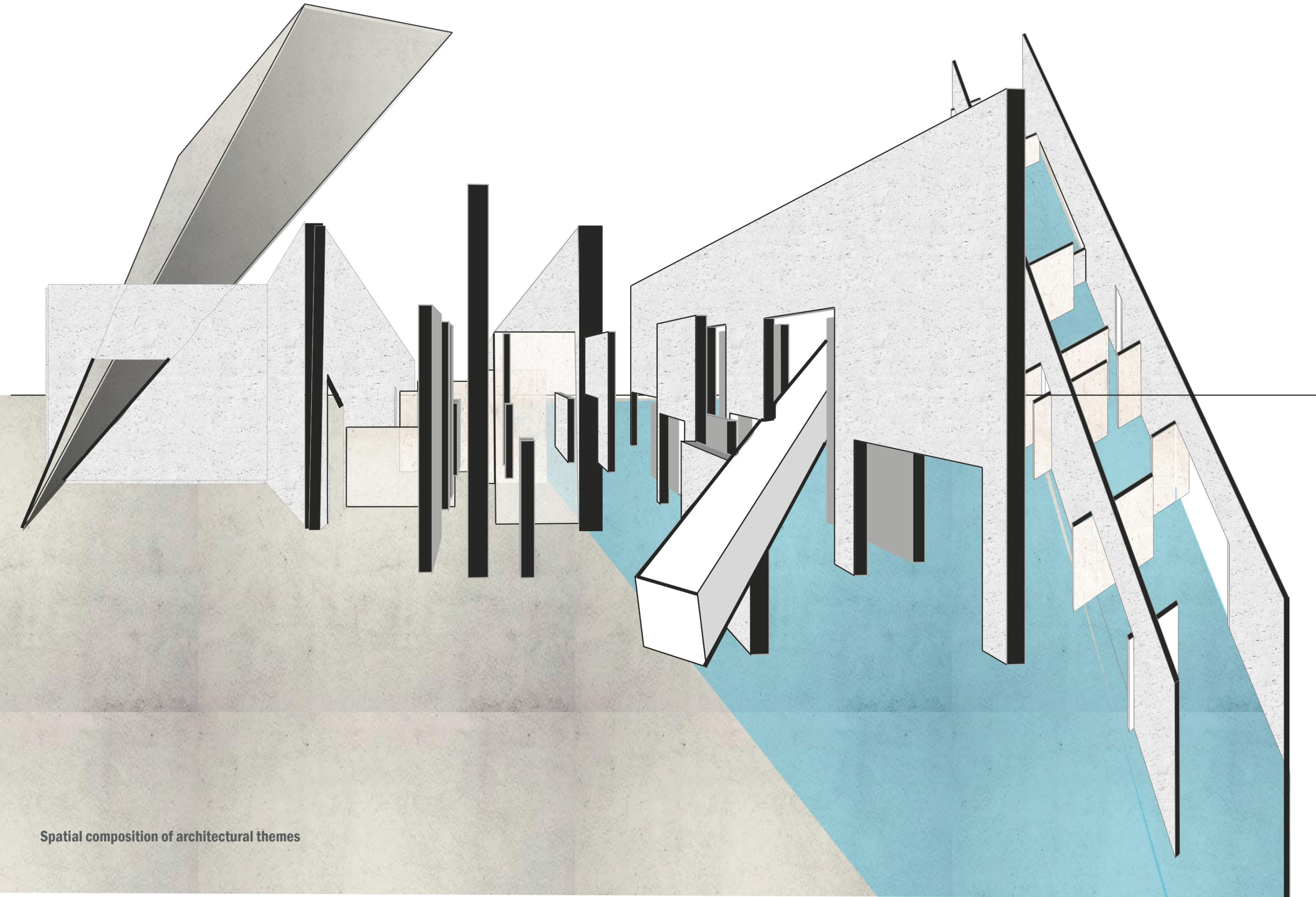
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Seeing and being seen, the moment that you can look through an internal space

The internal architectural space is often considered as privately owned space. The publicness increases when the observer can look through the whole internal space. This is when the perceived shift of ownership happens. Without being in the space you can have interaction with the other outside.



Spatial composition of architectural themes

New connections emerge by marking out zones

Shaping the route by folding spaces

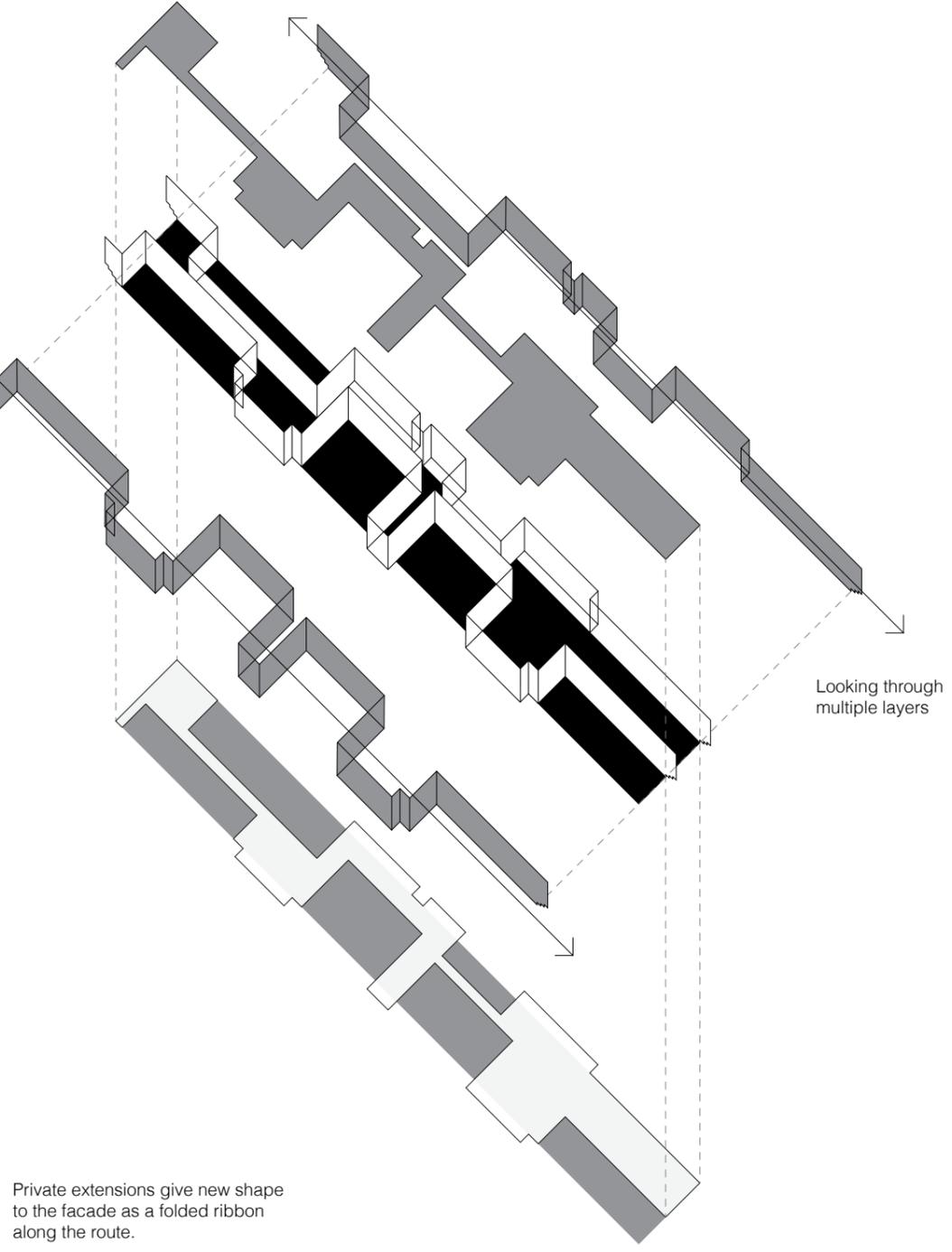
Intertwining interior and exterior

Shaping the route by folding spaces

Looking through multiple layers

New connections emerge by marking out zones

Intertwining interior and exterior



Private extensions give new shape to the facade as a folded ribbon along the route.

Multiple layers give visually the impression of a very closed space. You can't see through the

By marking out/framing zones, new kind of connections emerge between the zones.

The ribbon blurs the boundary between interior and exterior, physically and visually

Looking through multiple layers

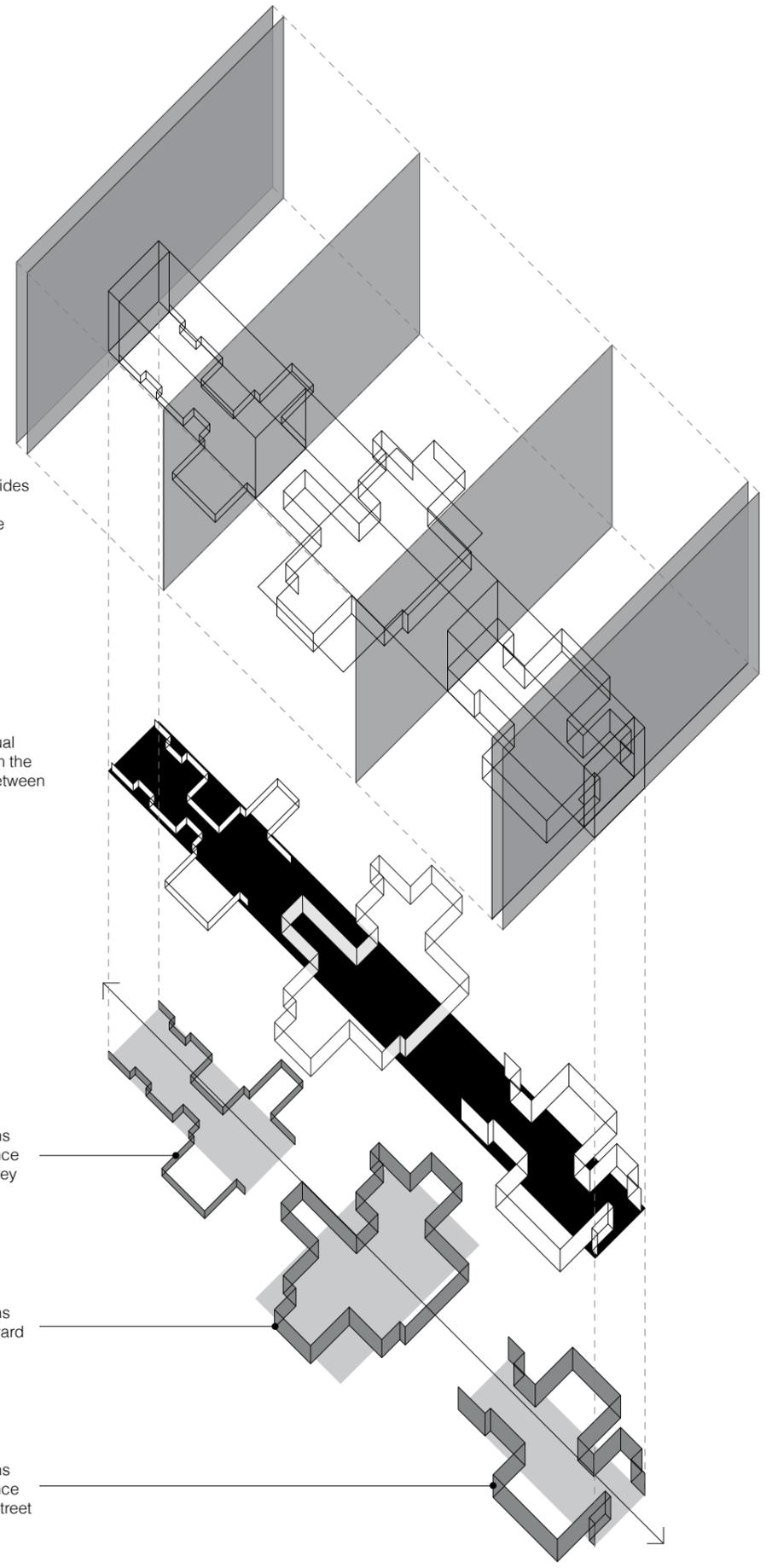
Multiple public sides to create the inbetween space

Physical and visual accessibility, from the public to the inbetween space

Private extensions shape the entrance from the back-alley

Private extensions shape the courtyard

Private extensions shape the entrance from the public street



Extracting spatial language

Research

Topic of interest
Case studies
Spatial language

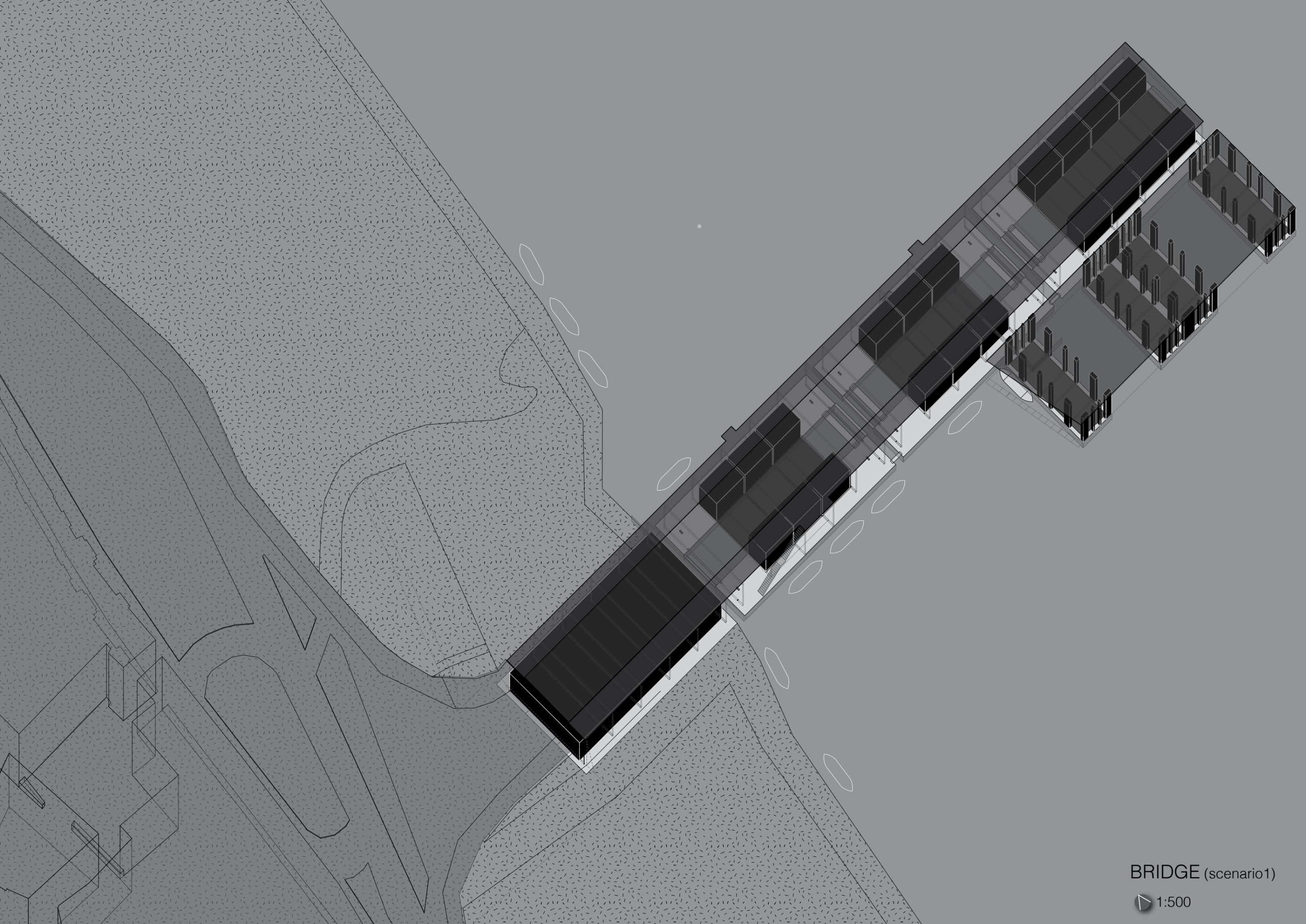
From research to design

Design location
Spatial explorations

Design

Inserting the new system
Materialization





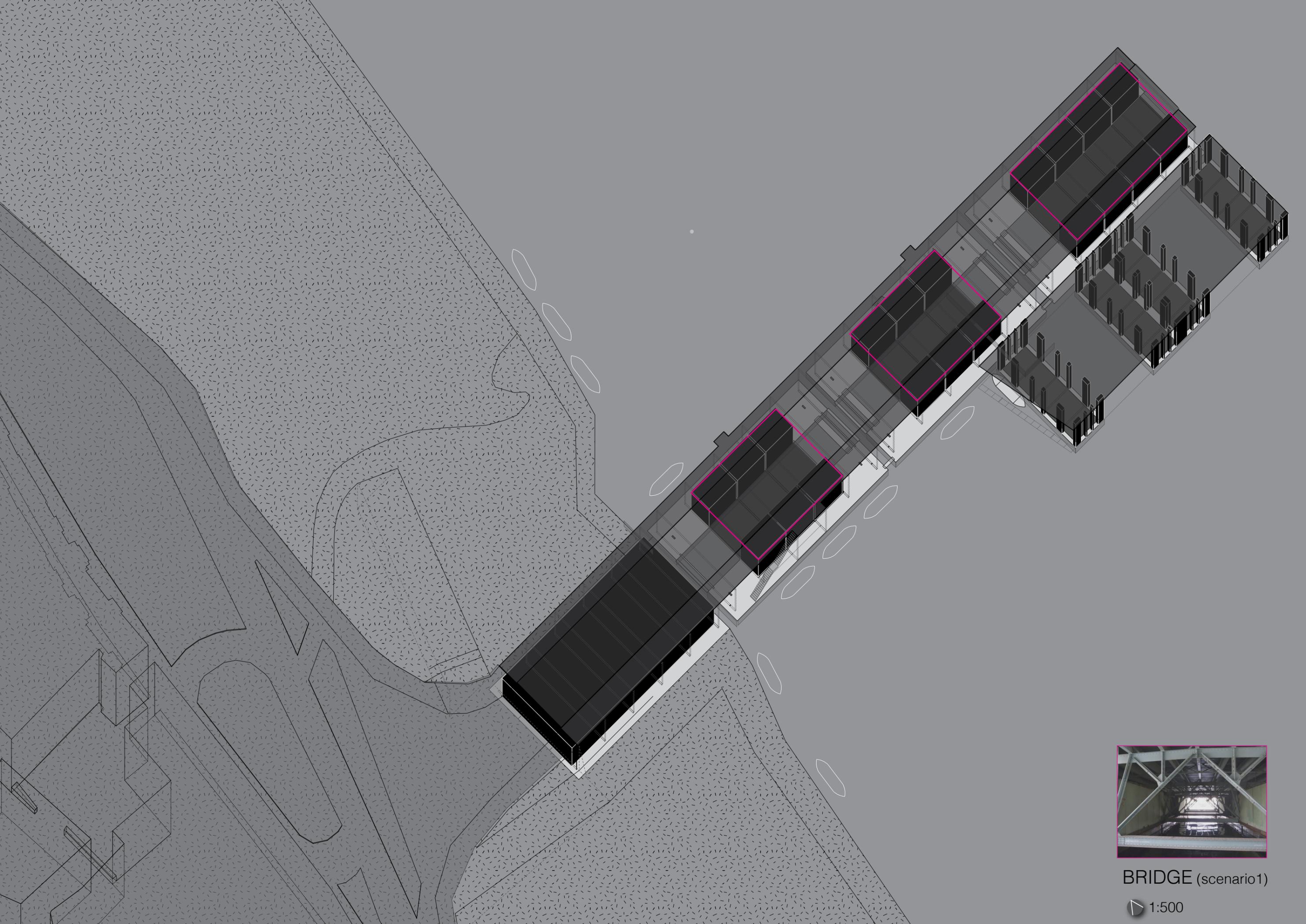
BRIDGE (scenario1)

1:500

Unfolding the Old Galata-bridge



Platform < > **Hidden space**
Spectacle < > **Intimacy**



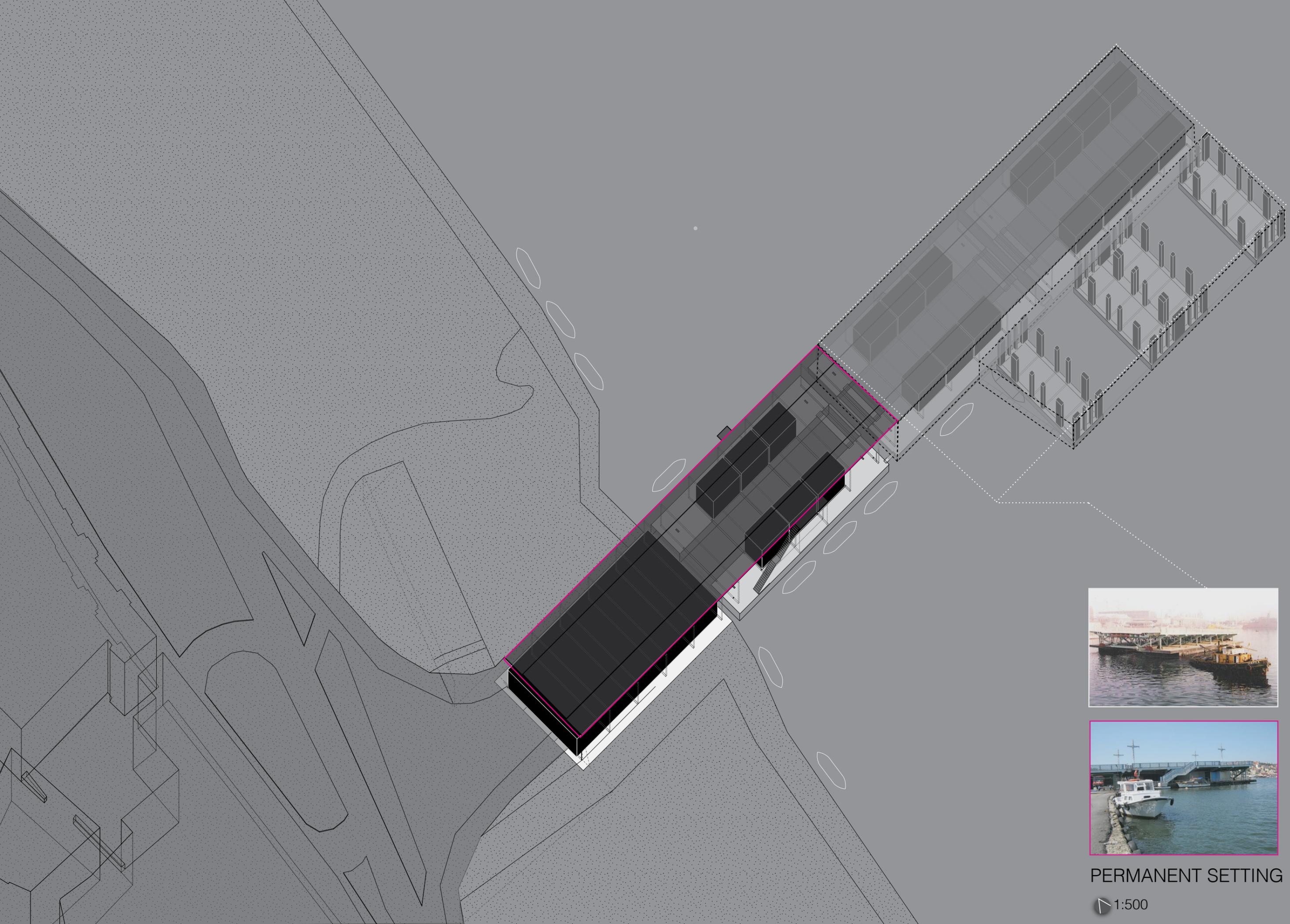
BRIDGE (scenario1)

1:500

Unfolding the Old Galata-bridge



Floating pontoons



PERMANENT SETTING

1:500

Unfolding the Old Galata-bridge



Inaccessible

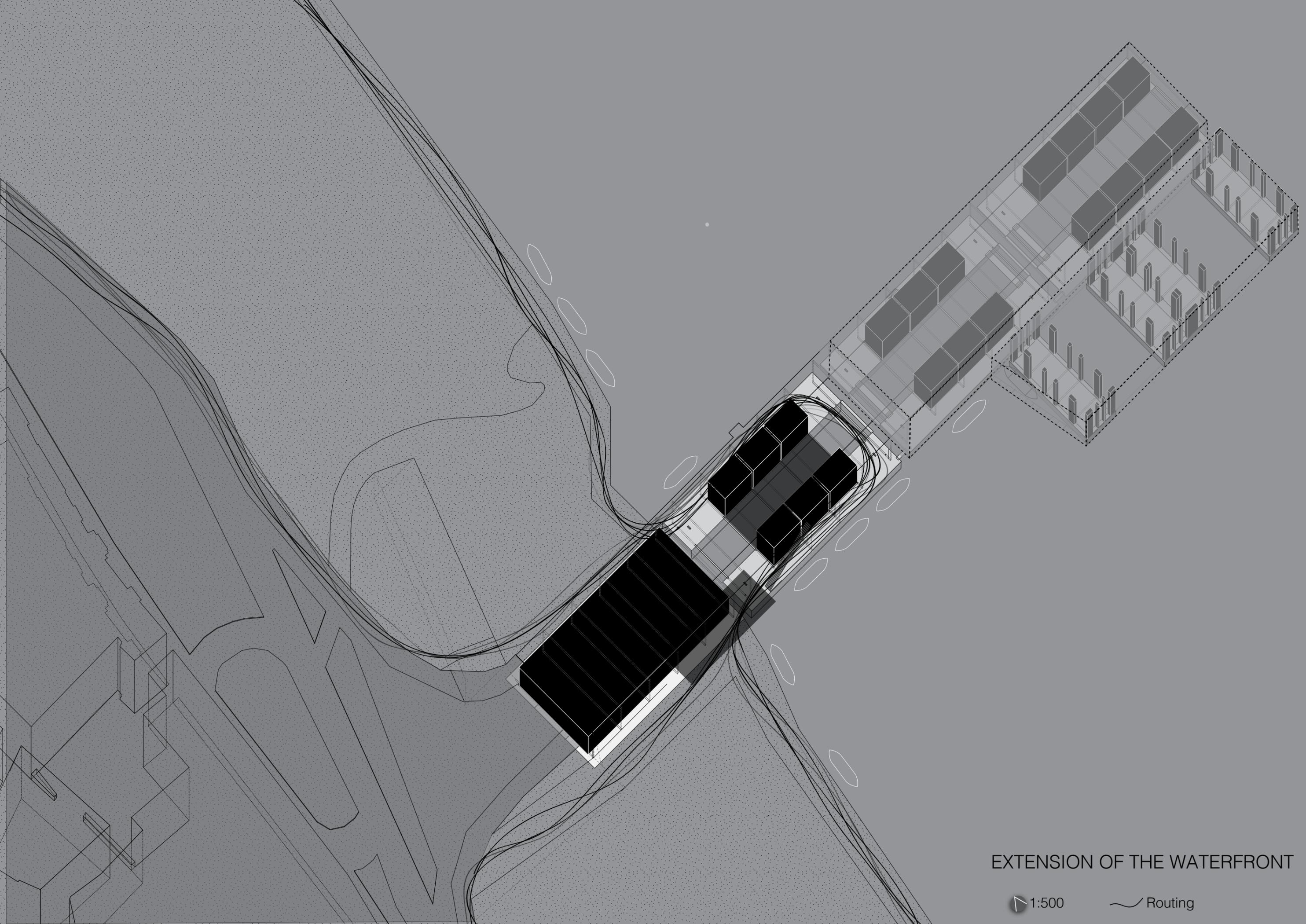
Occasional public space

Unfolding the Old Galata-bridge



Abandoned areas fallen apart

Exposing the existing structure

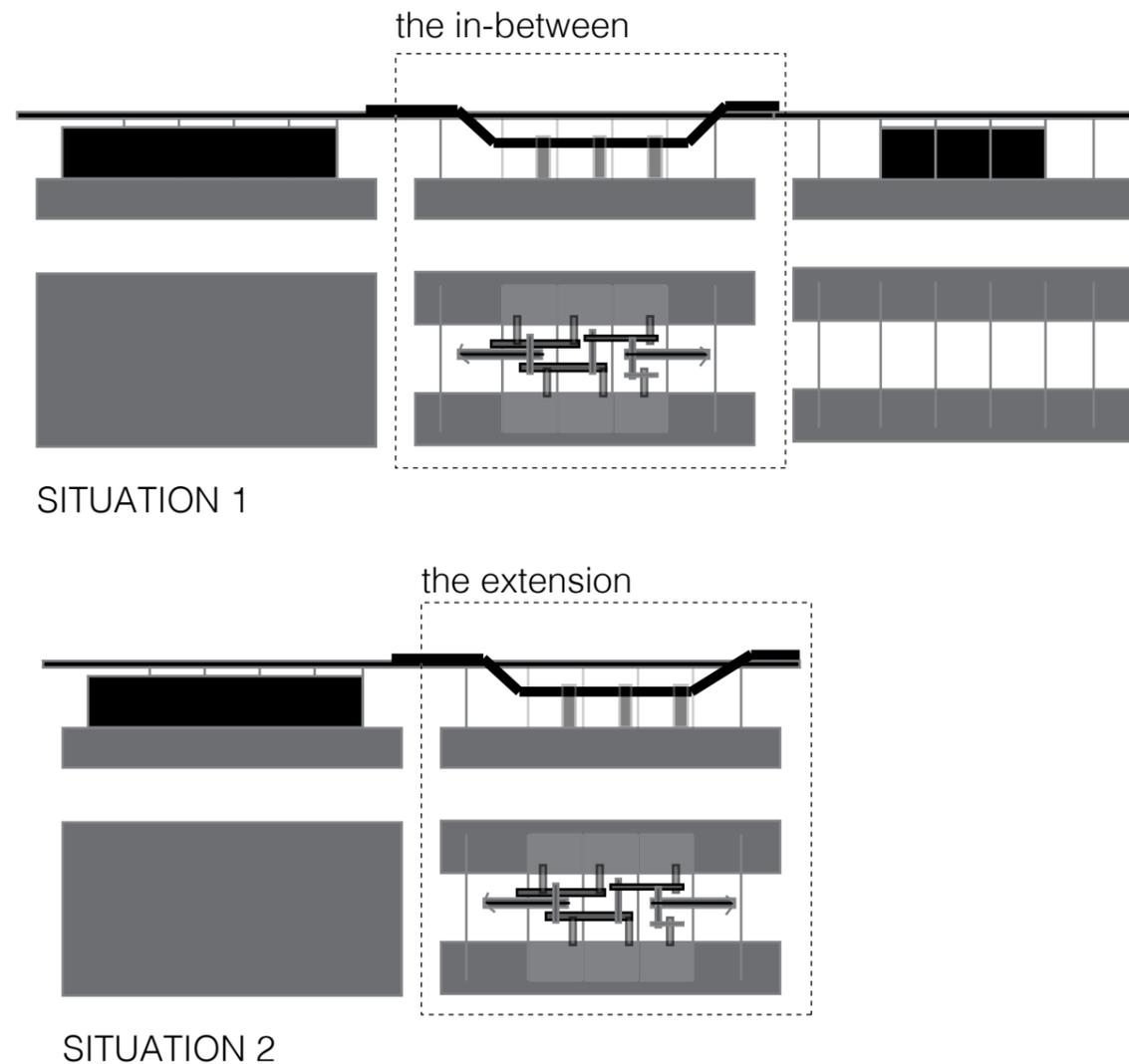


EXTENSION OF THE WATERFRONT

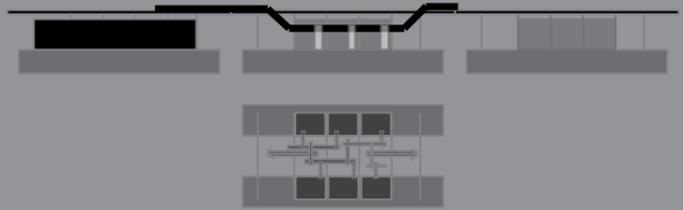
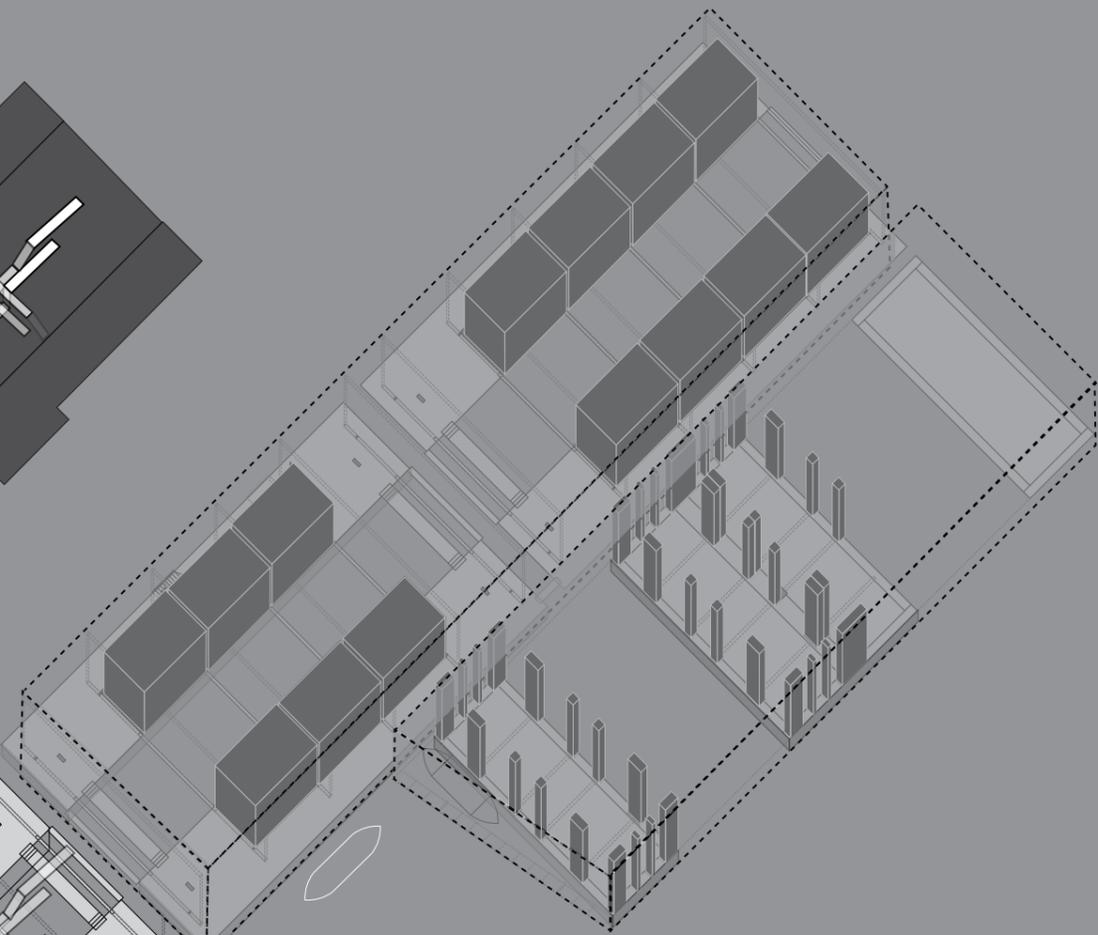
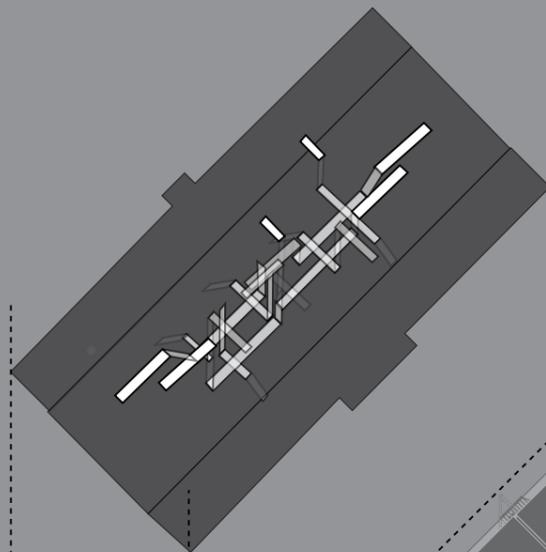
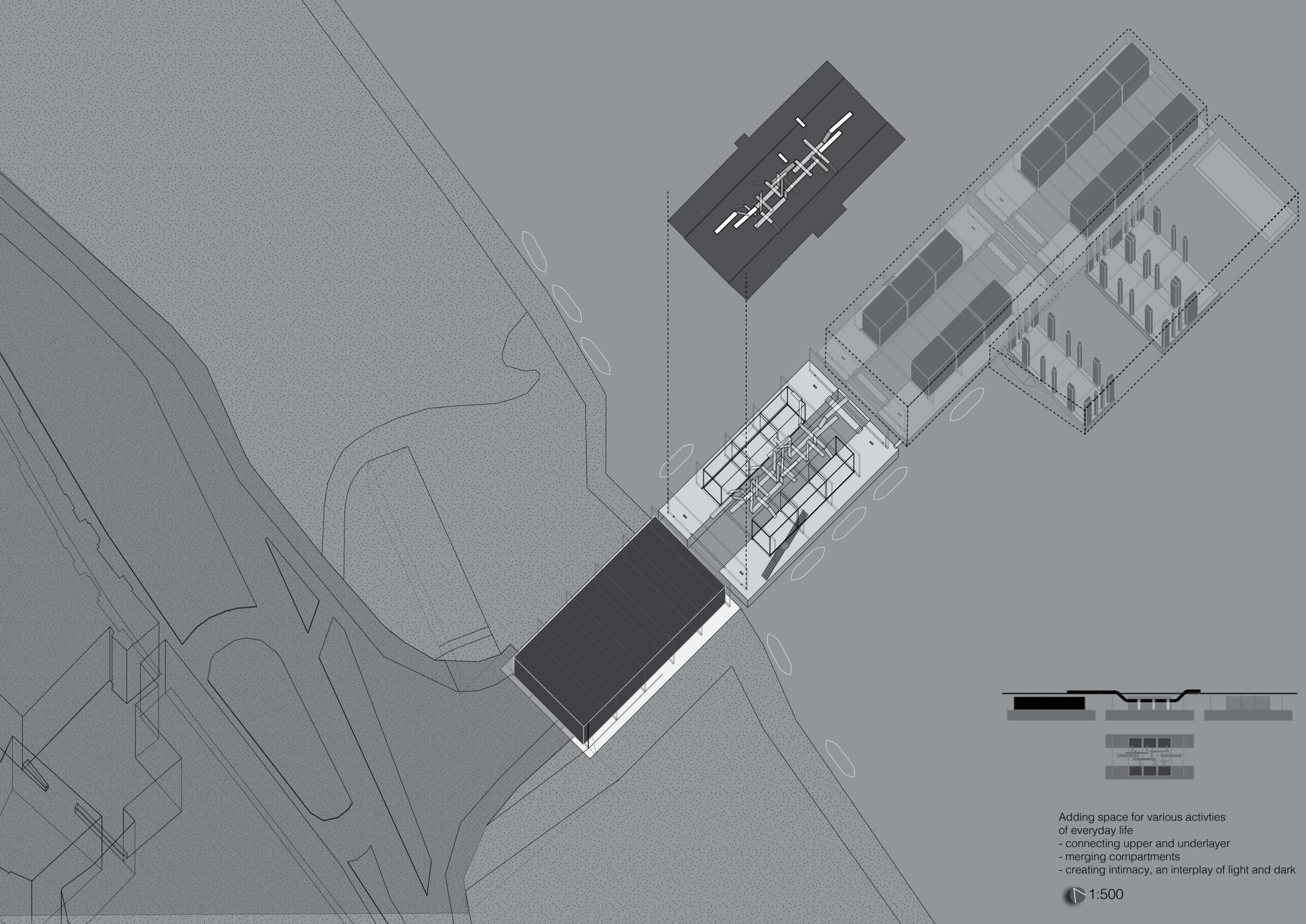
1:500

Routing

Inserting a new routing + hidden spaces = explorative experience

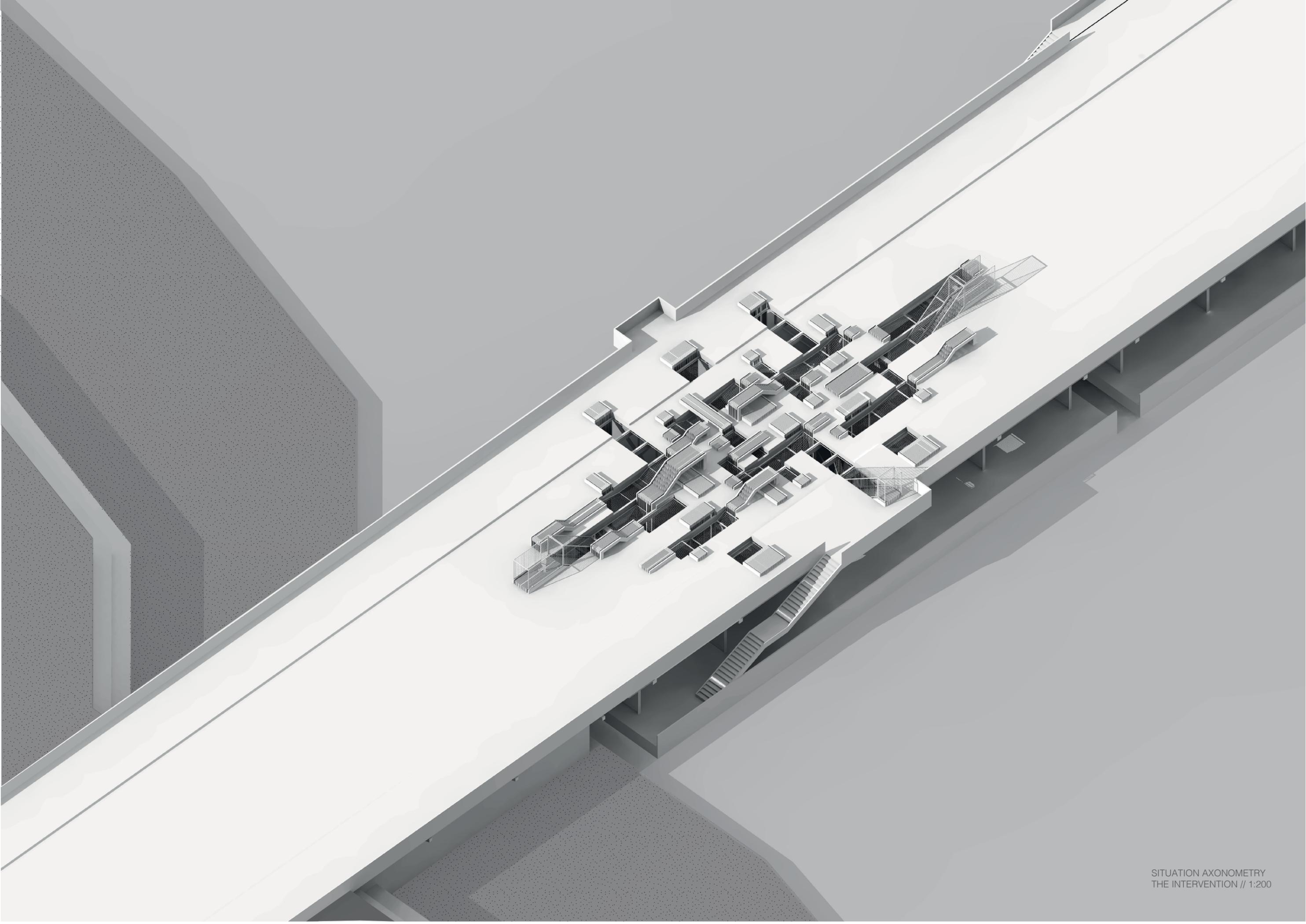


“ The intention of my design is to transform the existing spatial conditions of the Old-Galata Bridge, which are purely based on a utilitarian system, in a flexible social space along the waterfront, by inserting a new circulation system to unfold the hidden spaces and architectural qualities on the different layers of the bridge. ”



Adding space for various activities
of everyday life
- connecting upper and underlayer
- merging compartments
- creating intimacy, an interplay of light and dark

1:500





Research

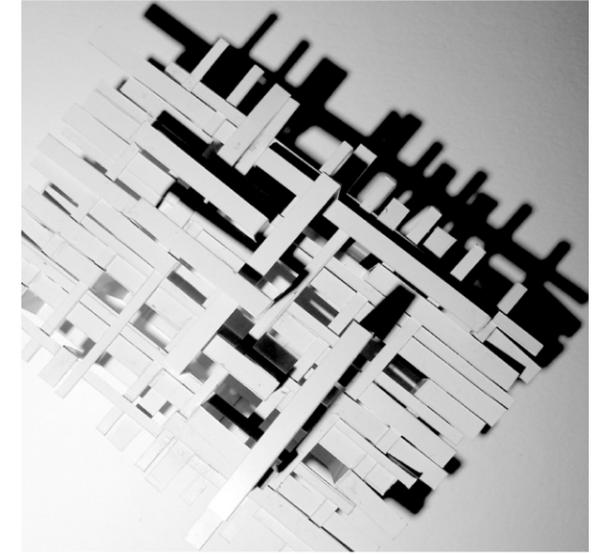
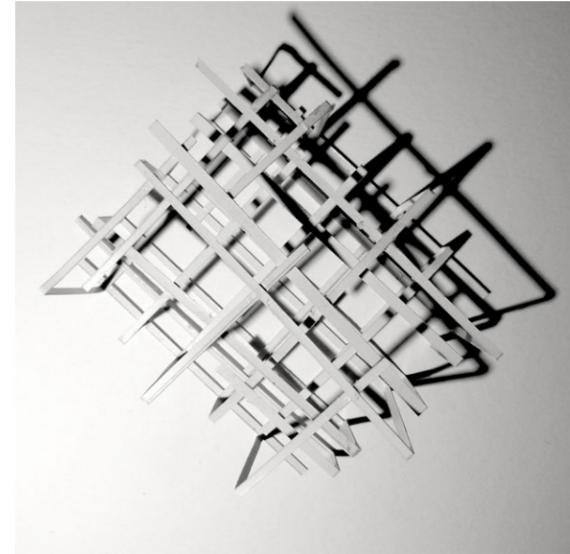
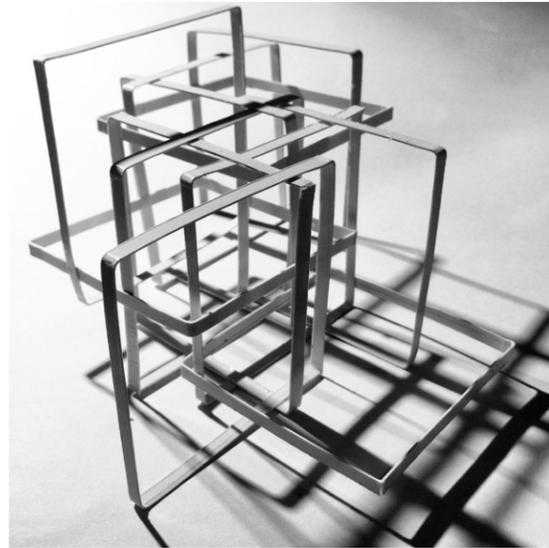
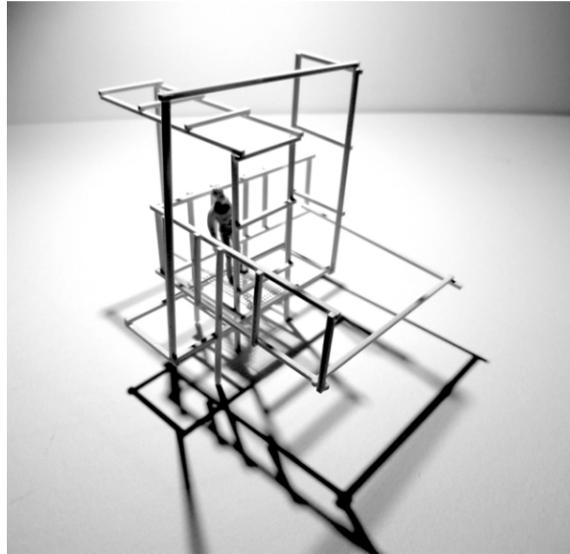
Topic of interest
Case studies
Spatial language

From research to design

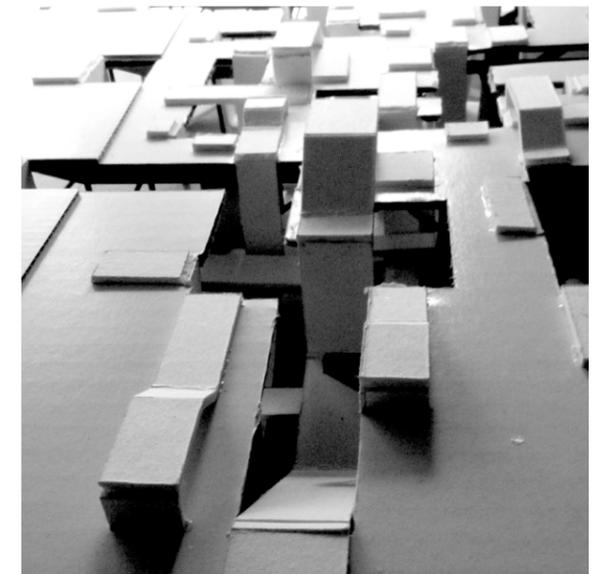
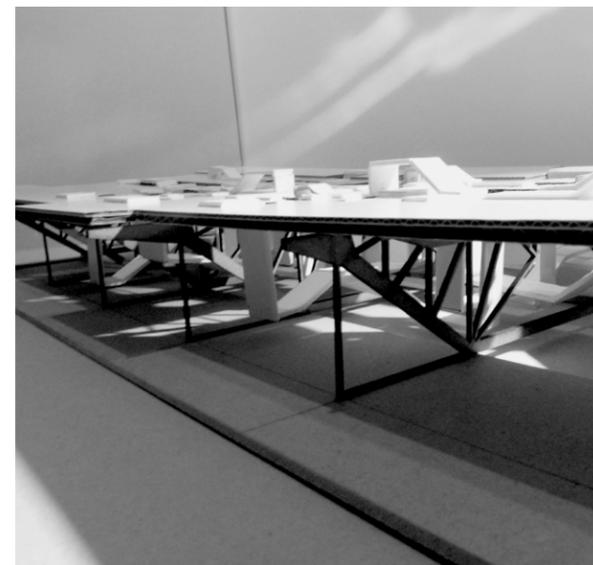
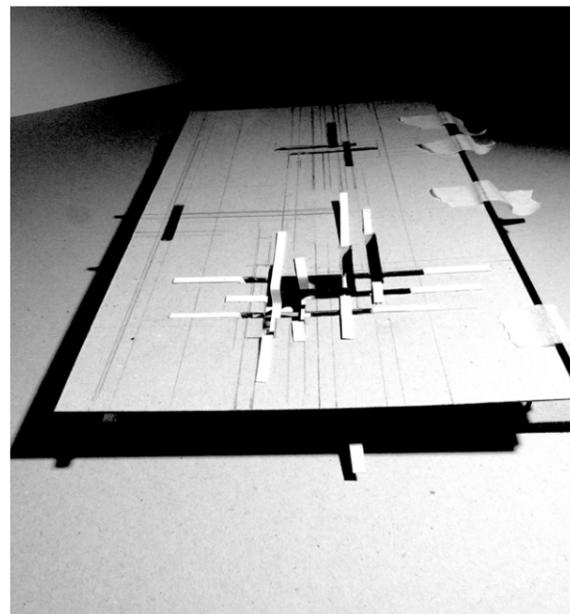
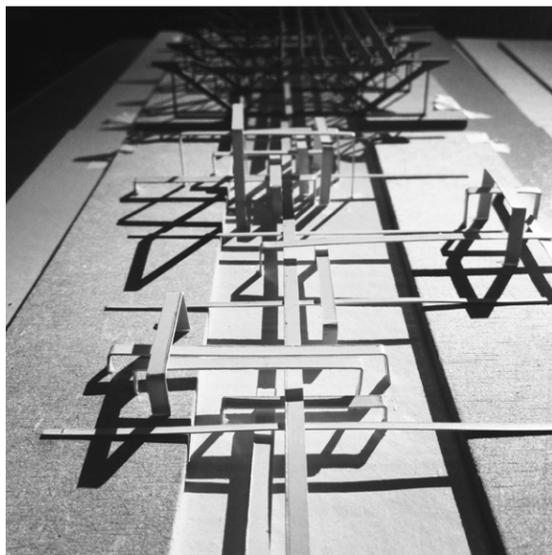
Design location
Spatial explorations

Design

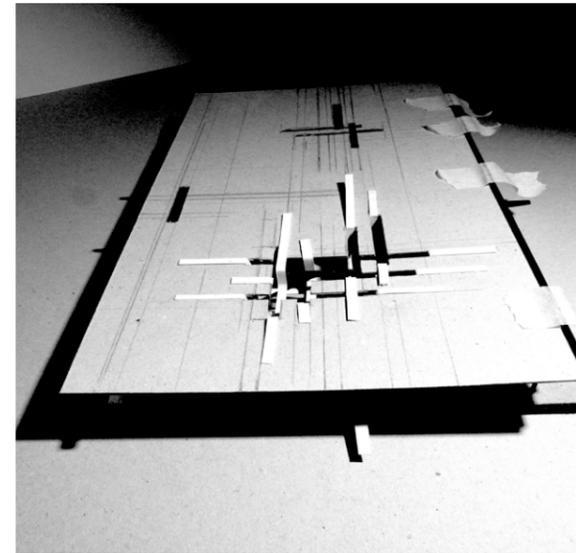
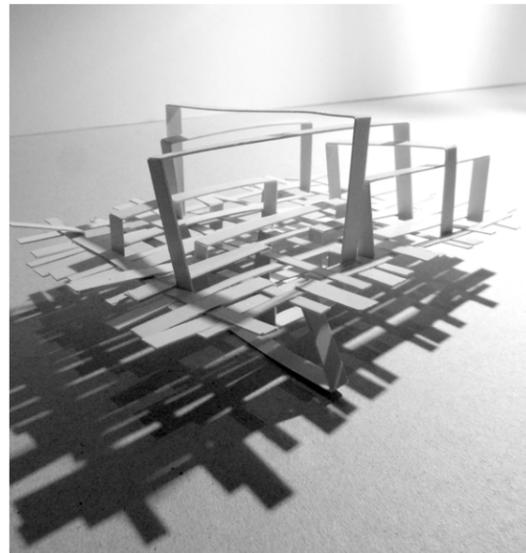
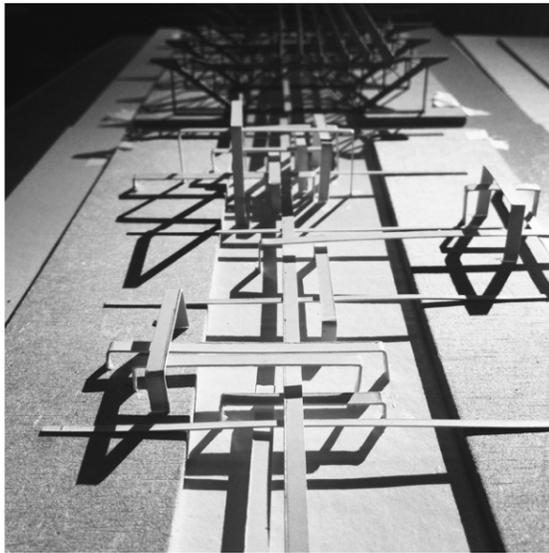
Inserting the new system
Materialization



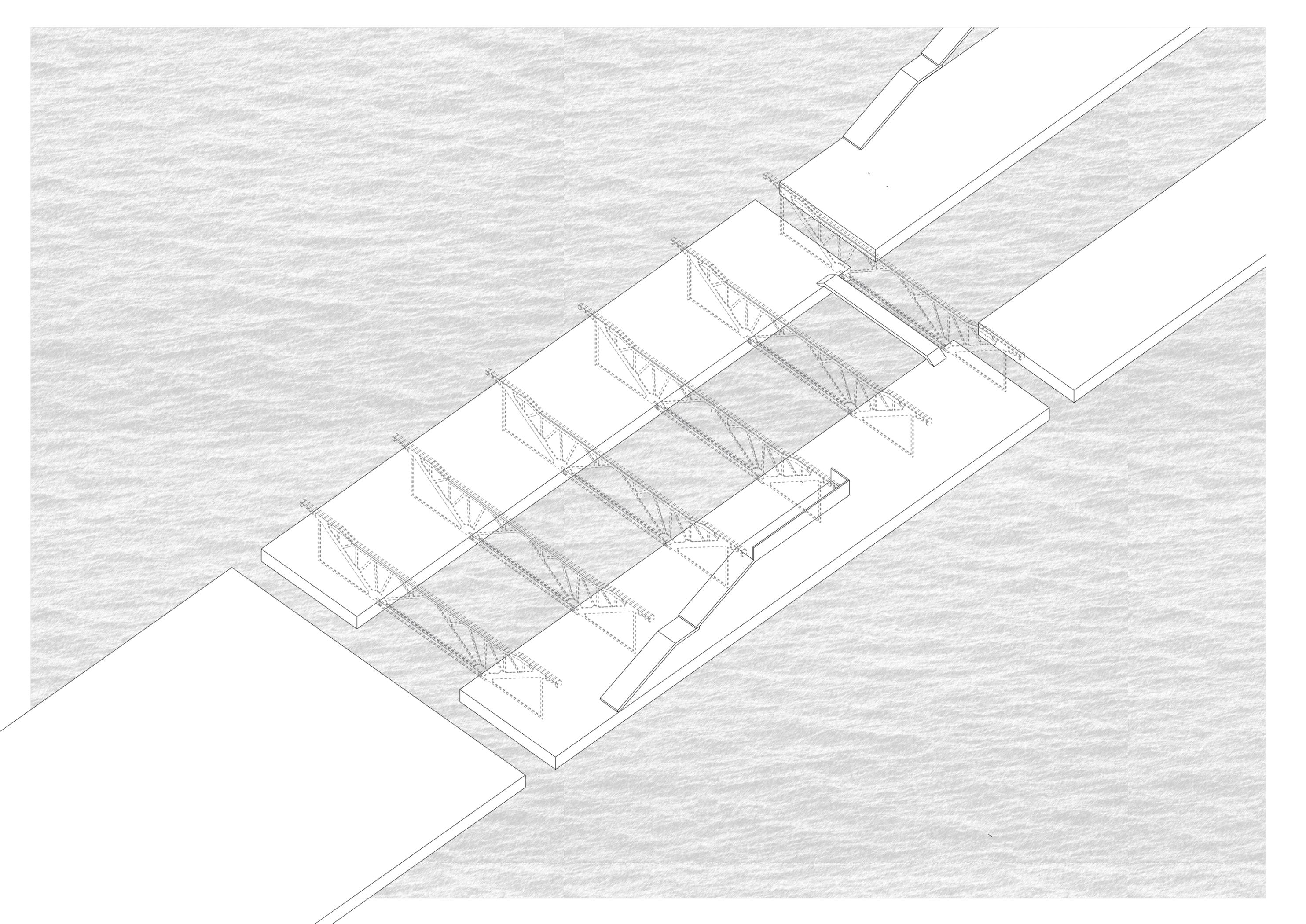
“A serie of spatial explorations are done in 3D-models, using ribbons as spatial elements, to translate the method of interweaving (crossing, overlapping, folding) ”

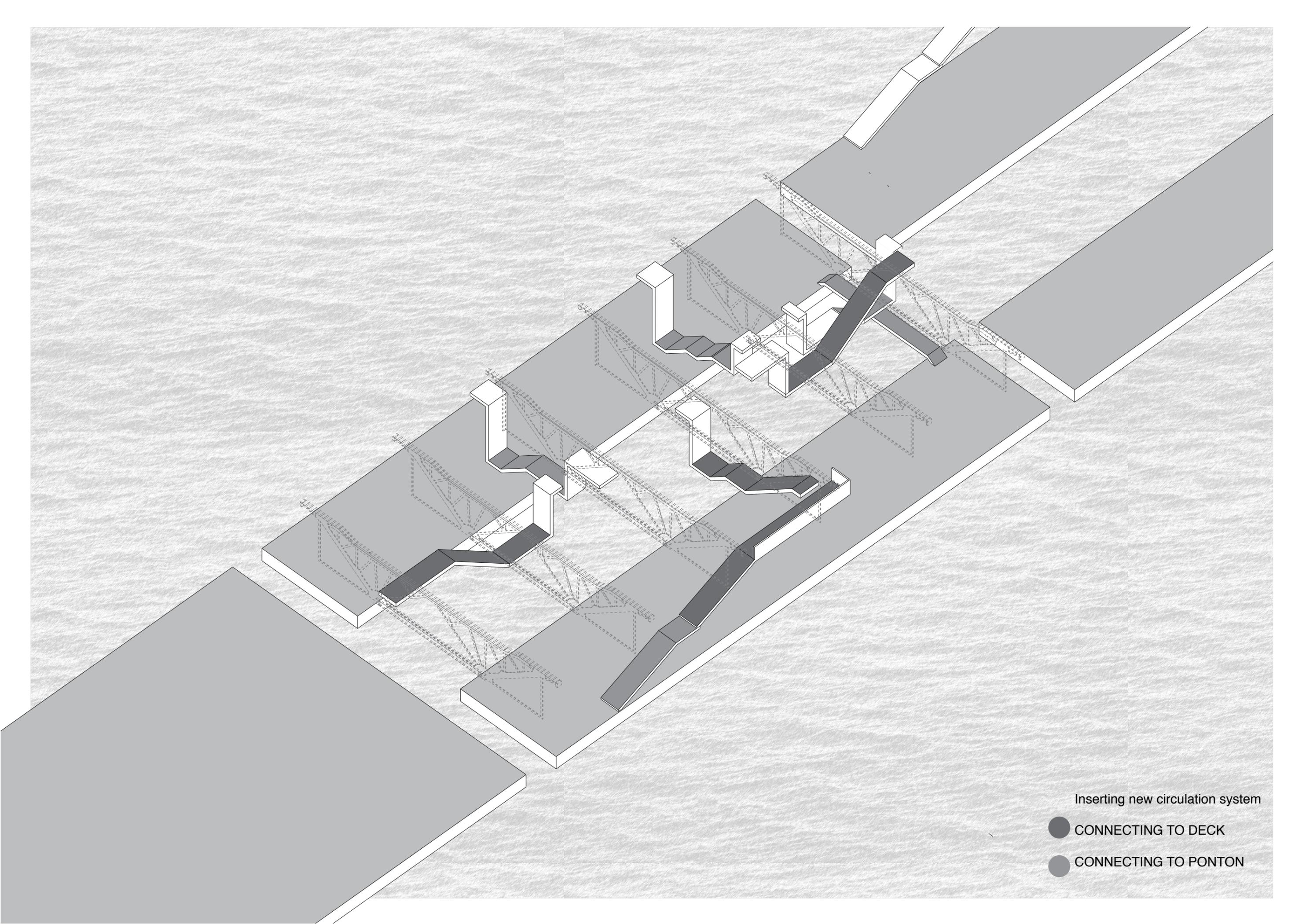


Implementing the spatial language



Configuration of the road surface and walk paths



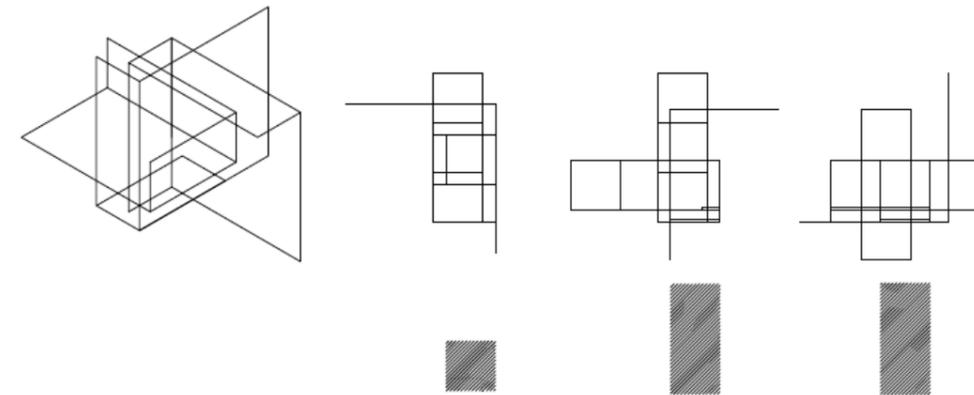
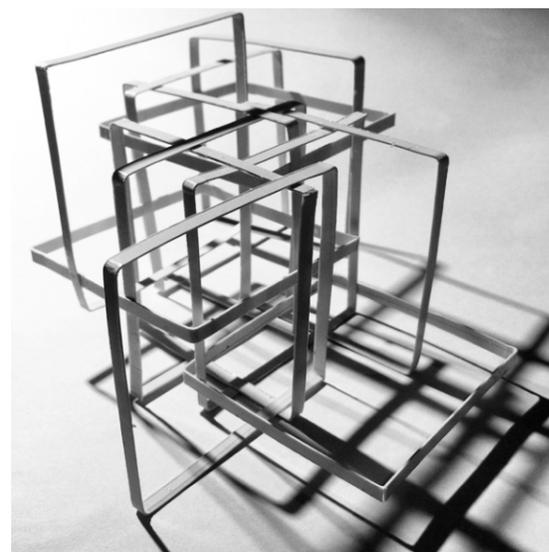
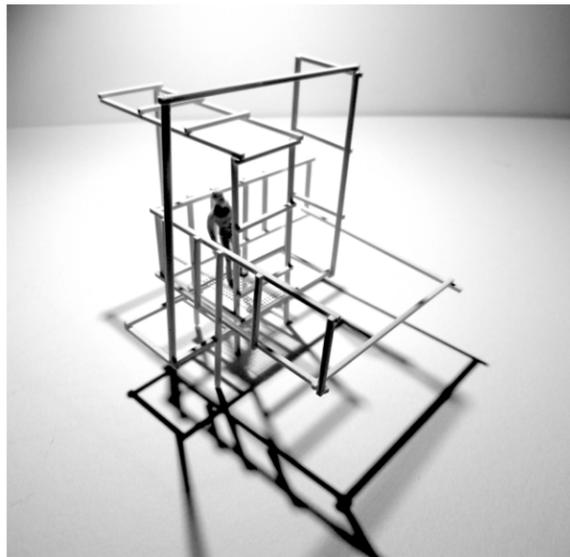


Inserting new circulation system

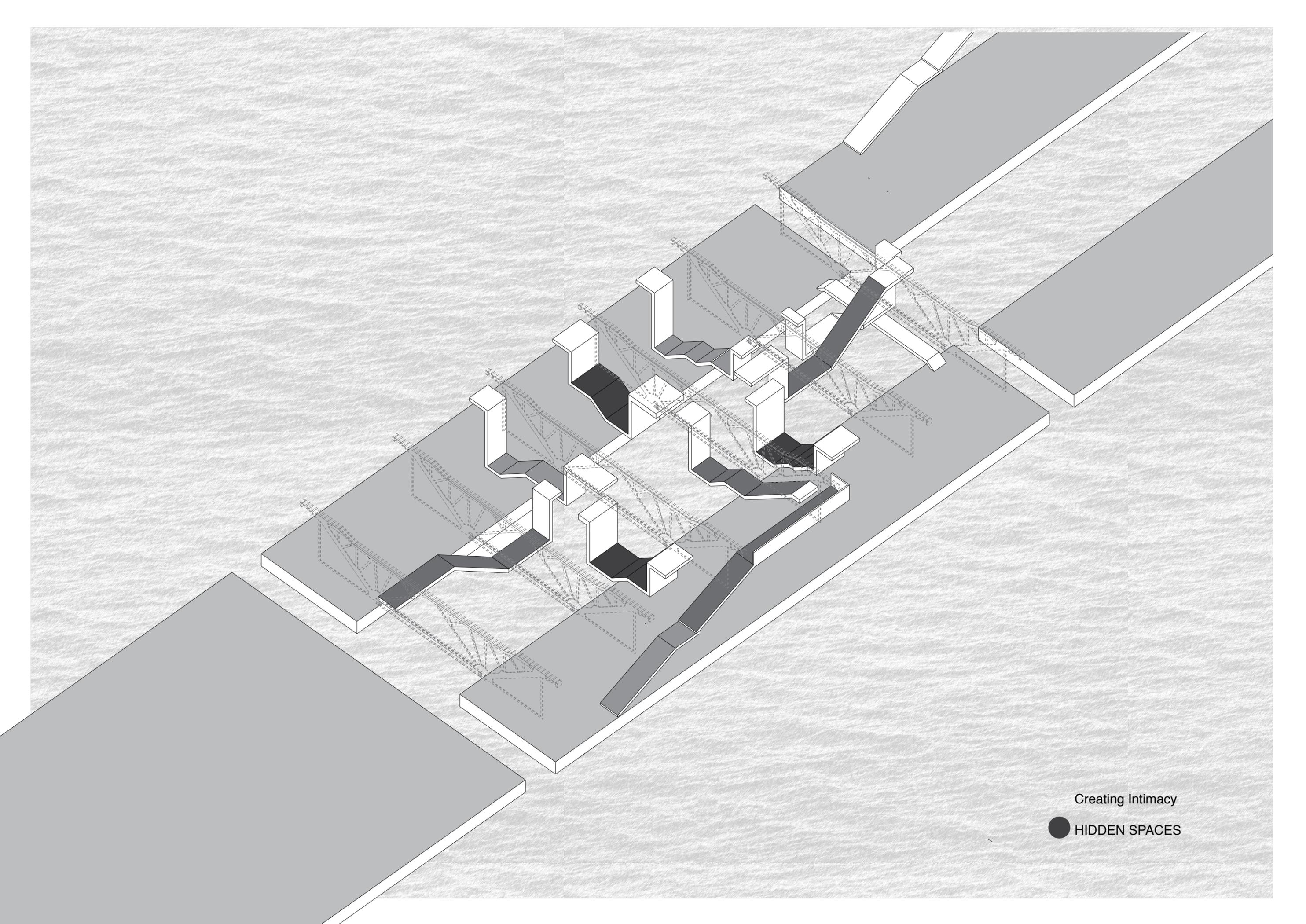
● CONNECTING TO DECK

● CONNECTING TO PONTON

Implementing the spatial language

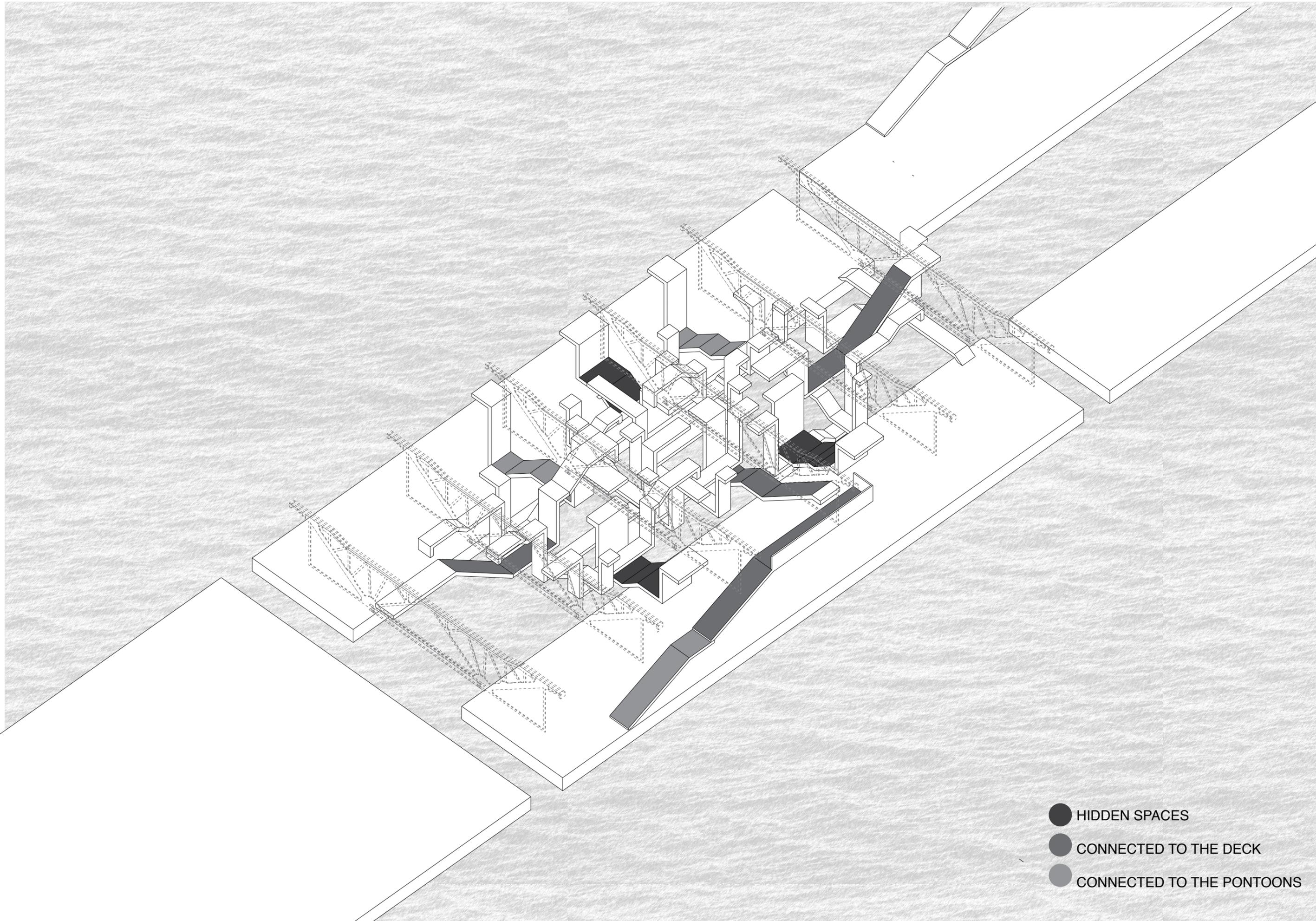


Spatial organization from individual space to an ensemble of spaces



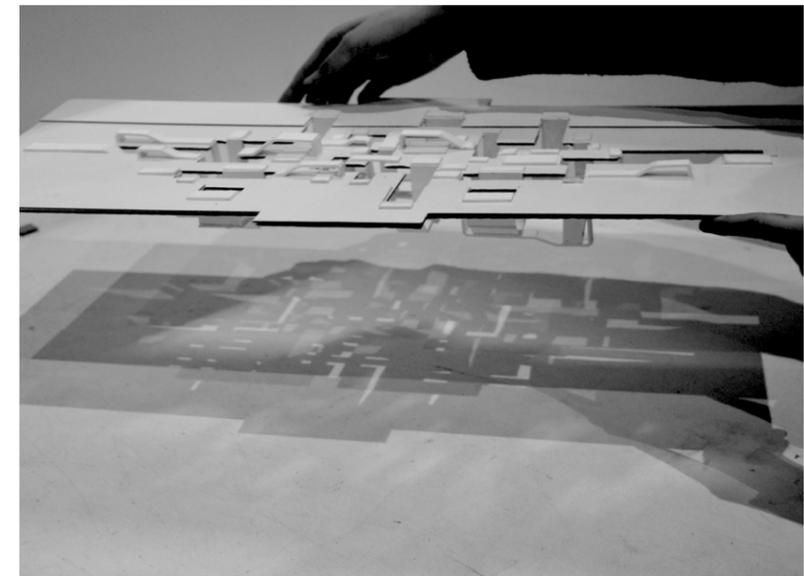
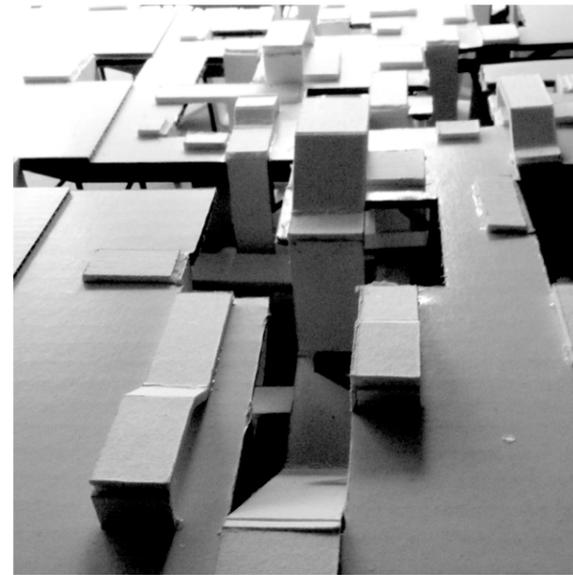
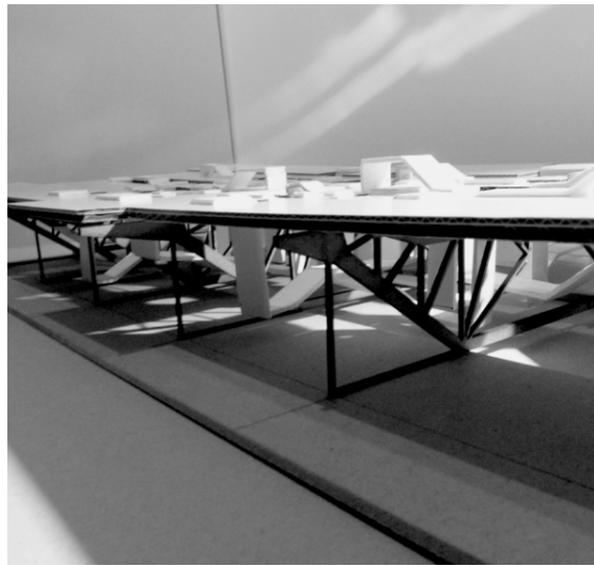
Creating Intimacy

● HIDDEN SPACES

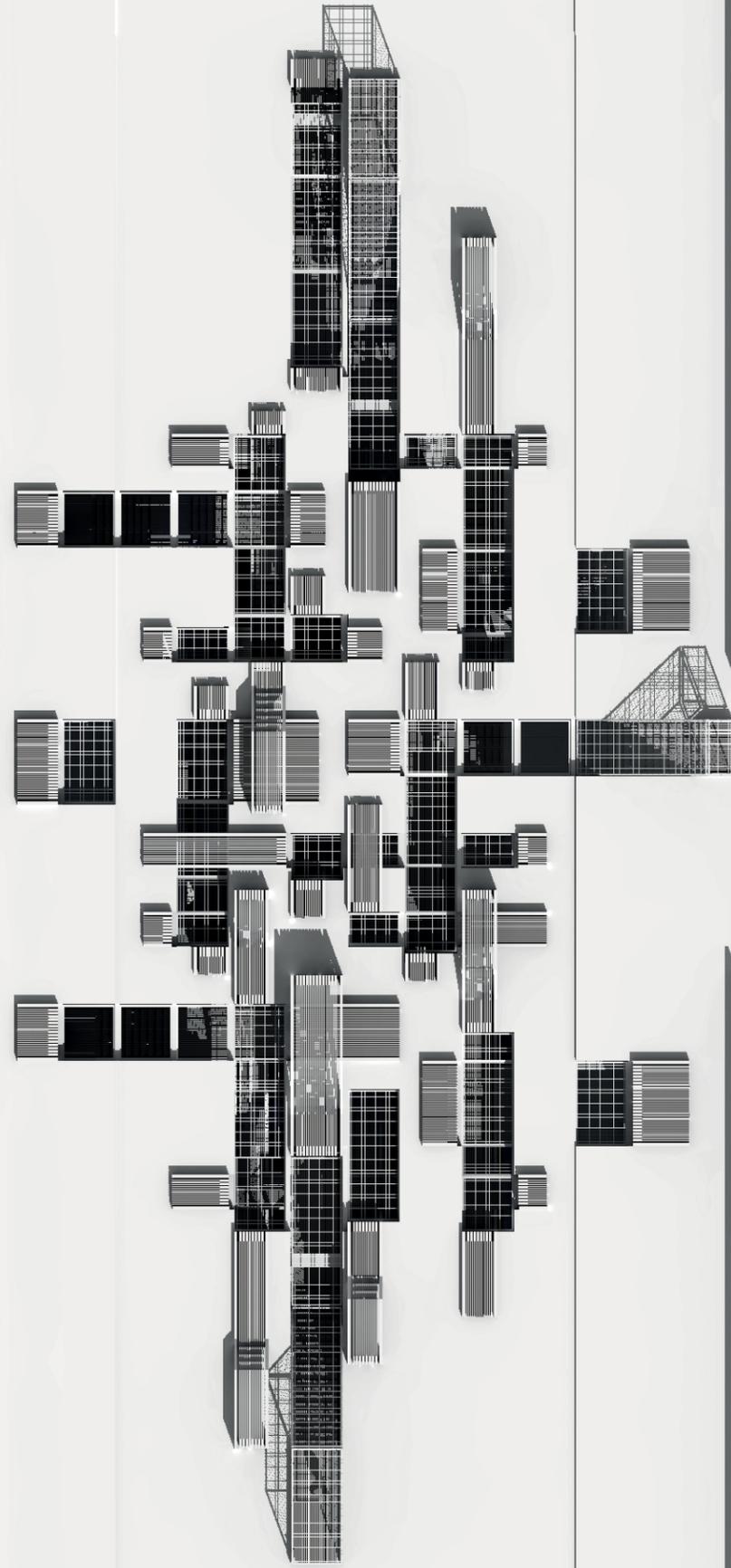


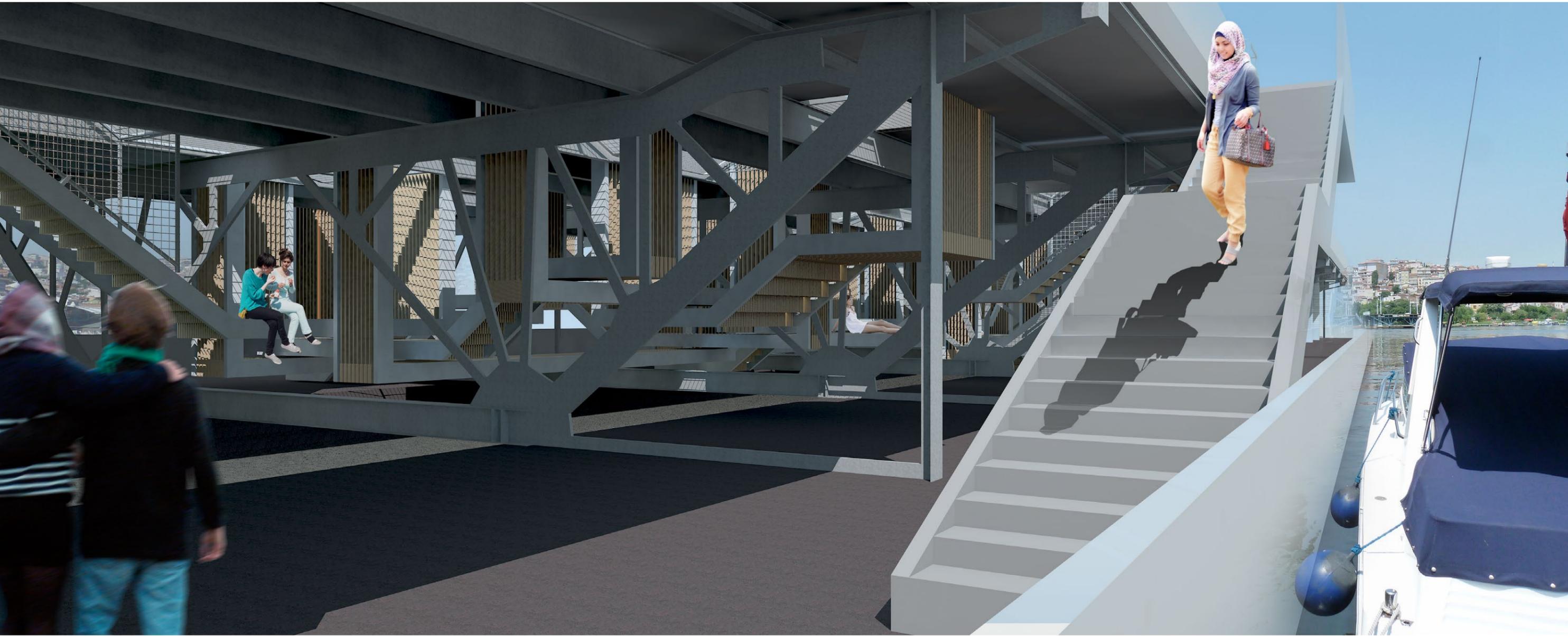
- HIDDEN SPACES
- CONNECTED TO THE DECK
- CONNECTED TO THE PONTOONS

Implementing the spatial language



An interplay of light and shadows





Research

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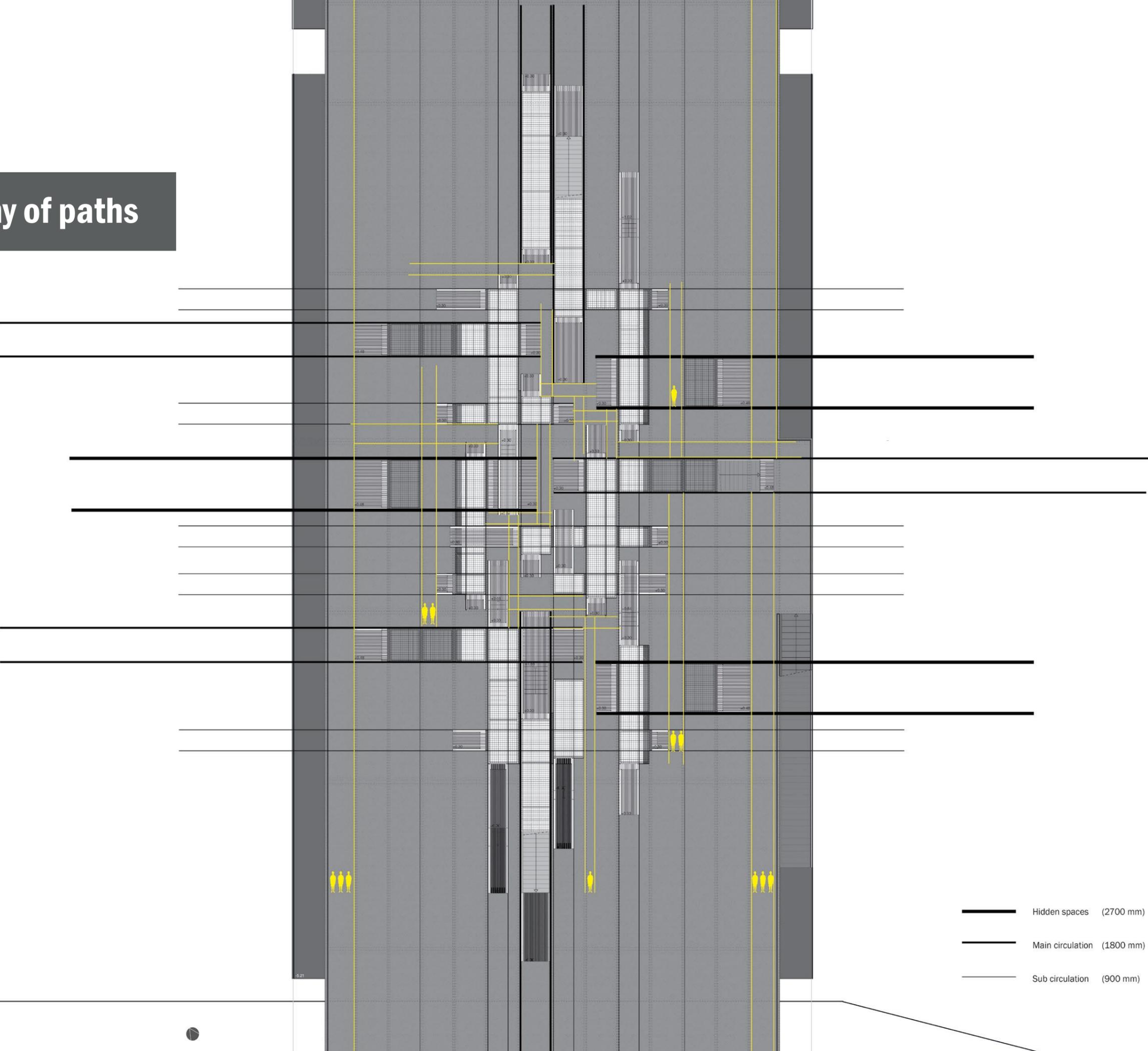
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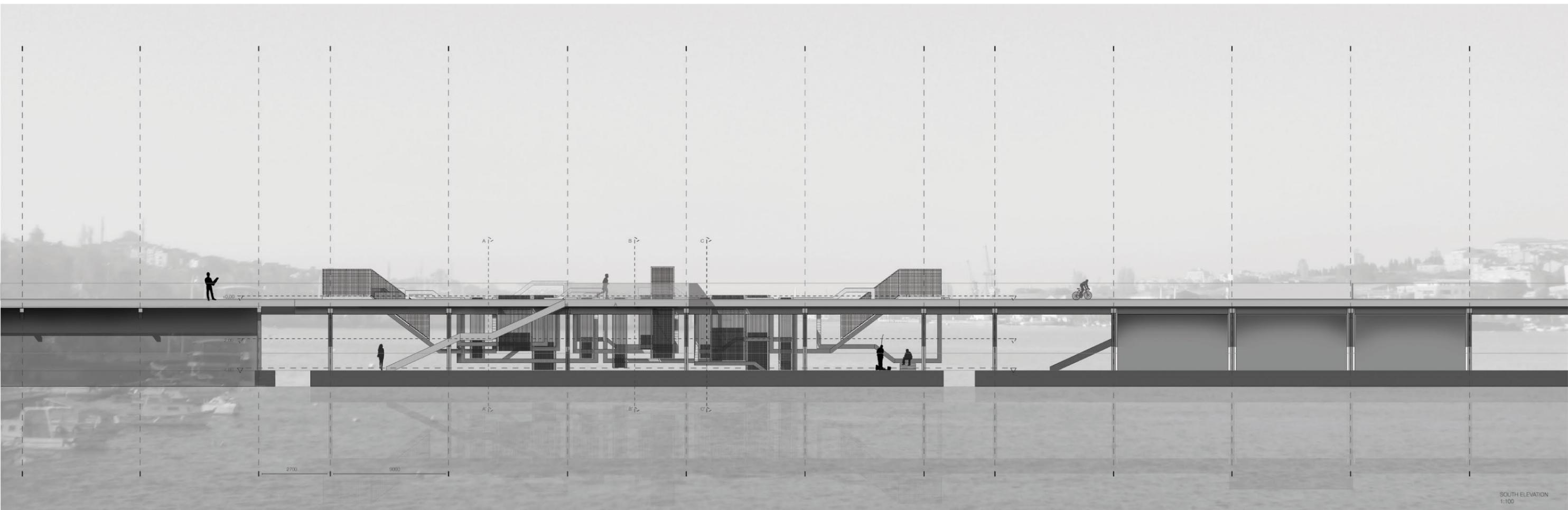
Inserting the new system
Materialization

Hierarchy of paths



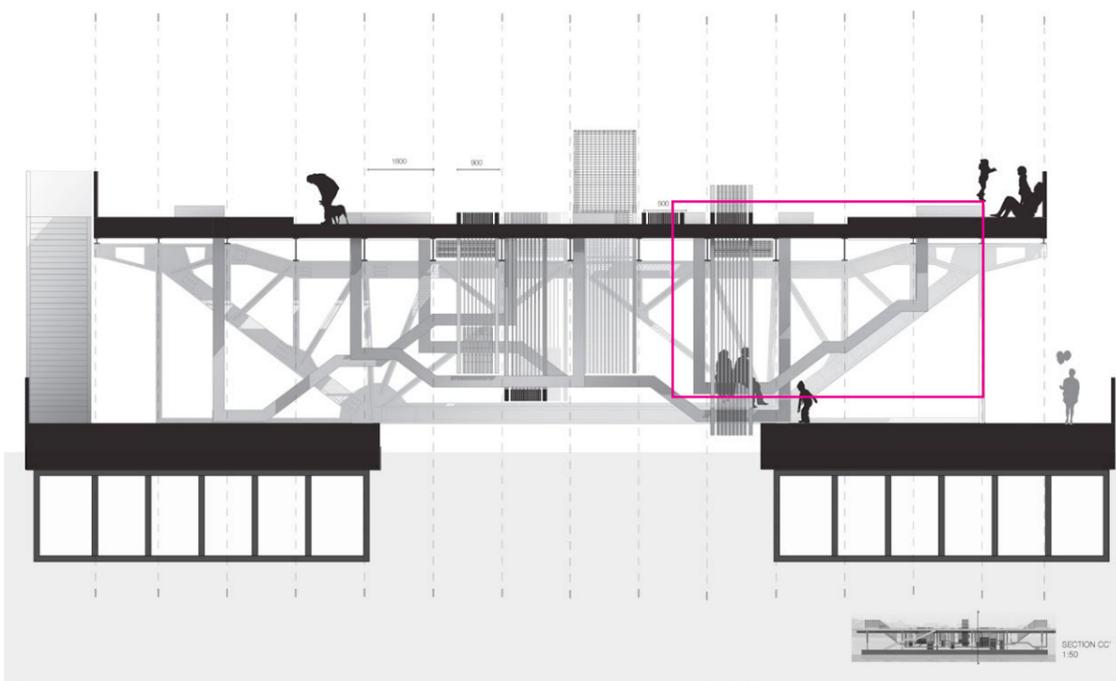
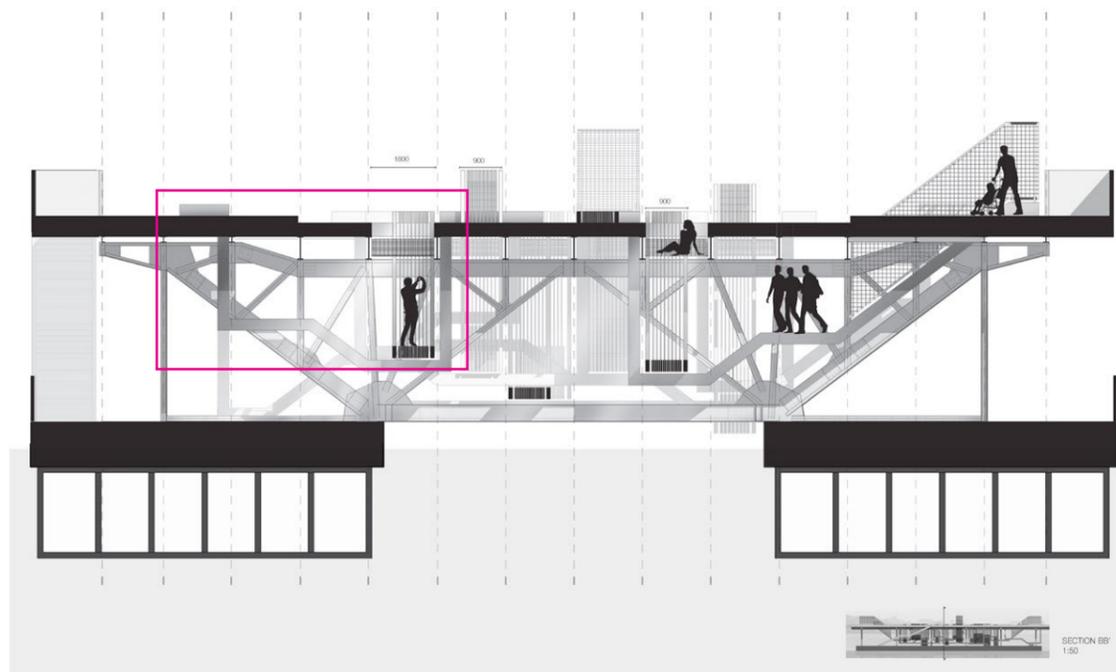
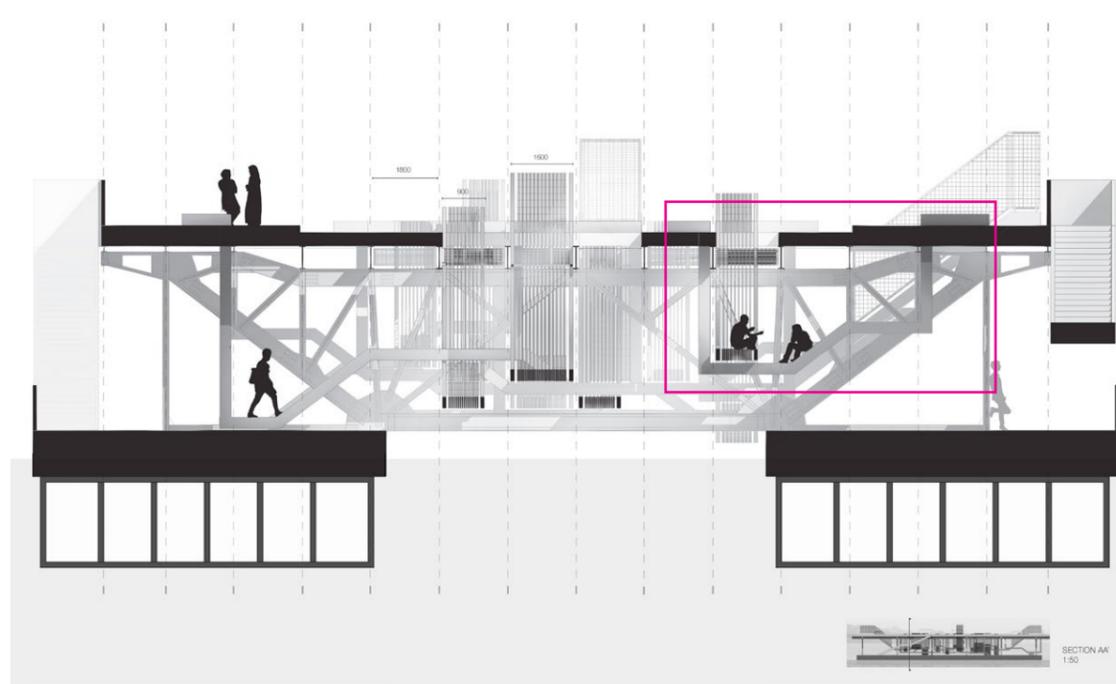
-  Hidden spaces (2700 mm)
-  Main circulation (1800 mm)
-  Sub circulation (900 mm)



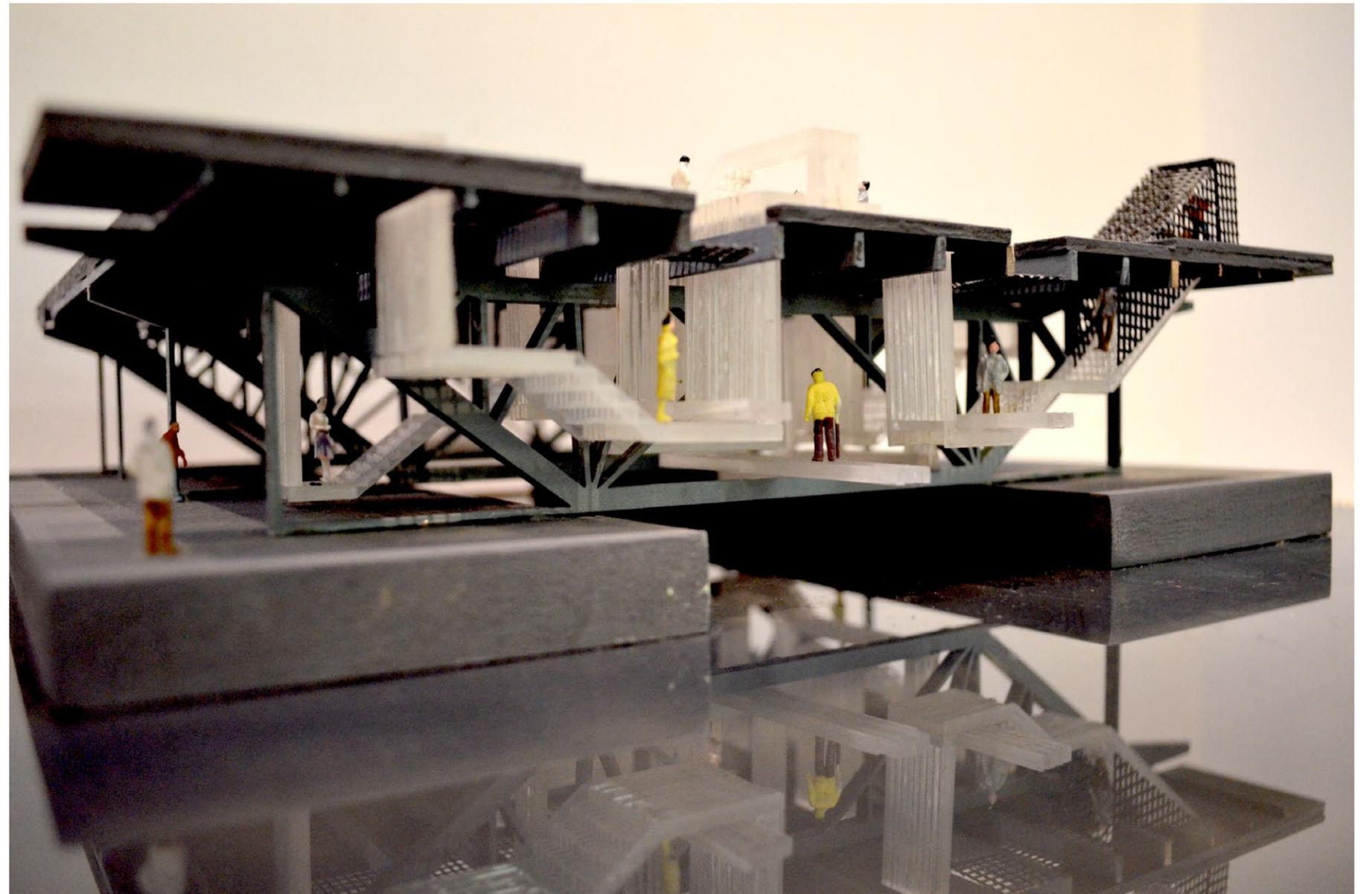


SOUTH ELEVATION
1:100

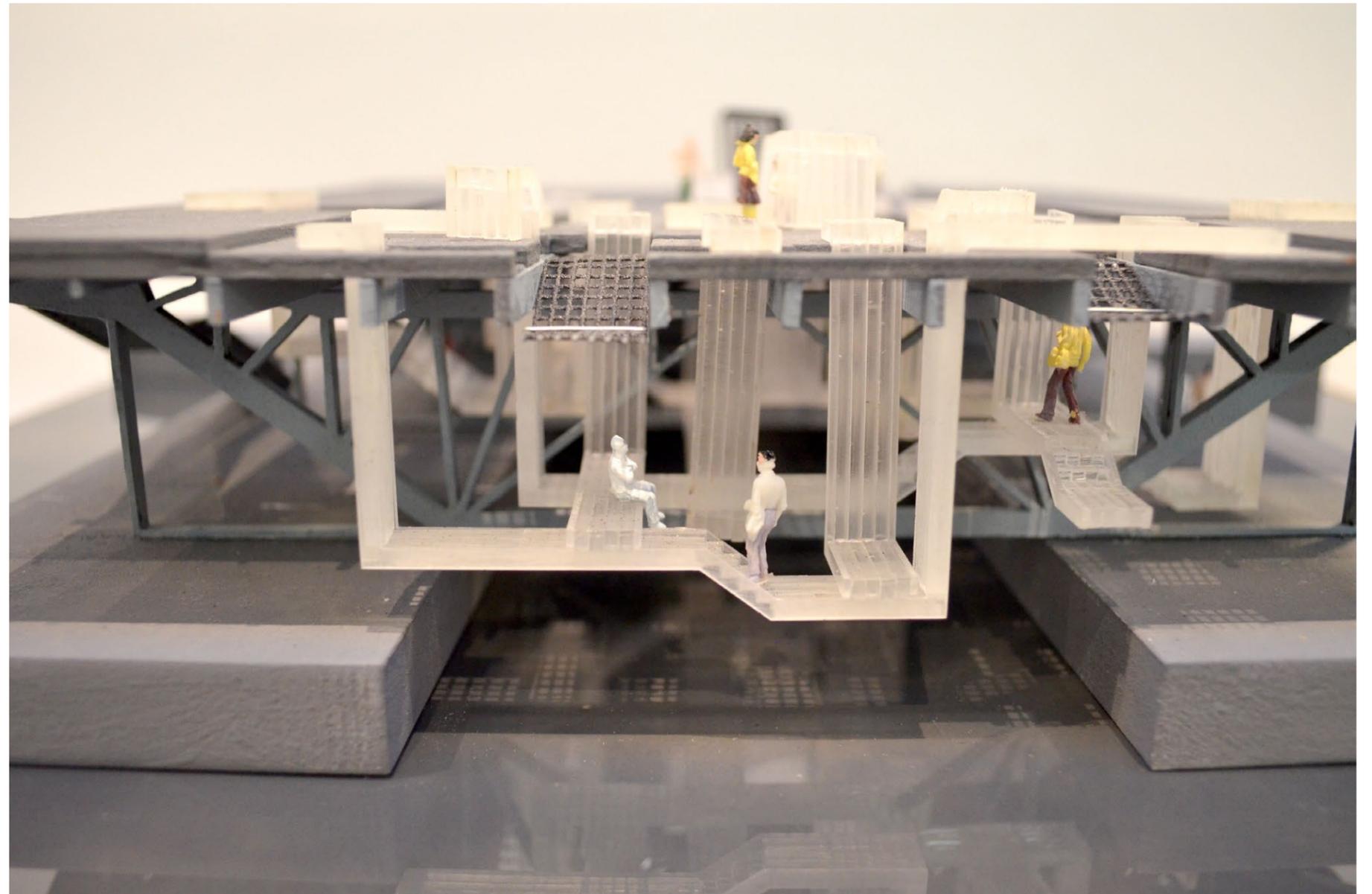
Hidden spaces



Sectional model

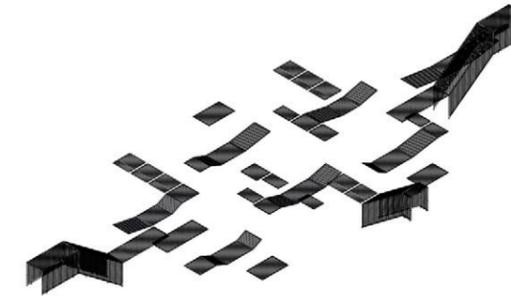


Sectional model

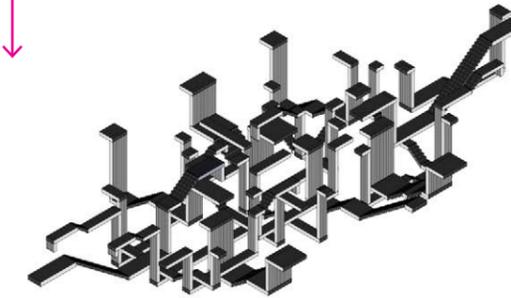


Assemblage

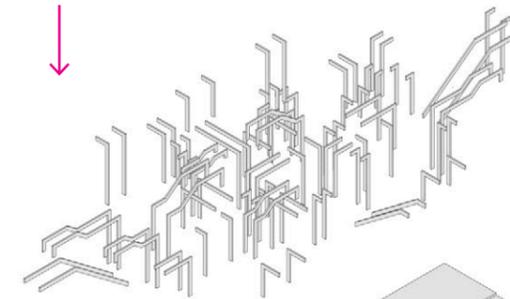
5. The net



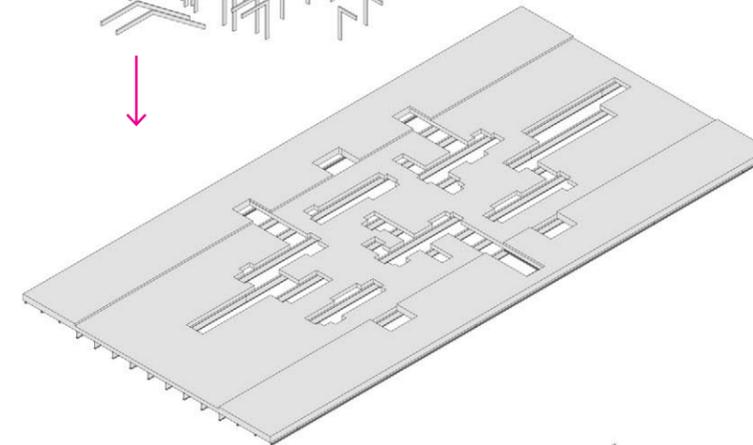
4. Wooden elements



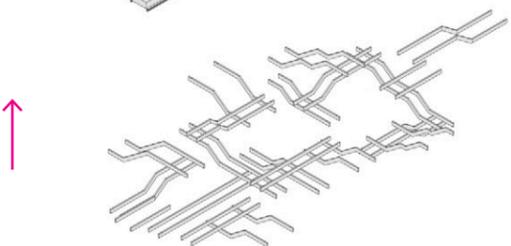
2. Steel profiles
(vertical elements)

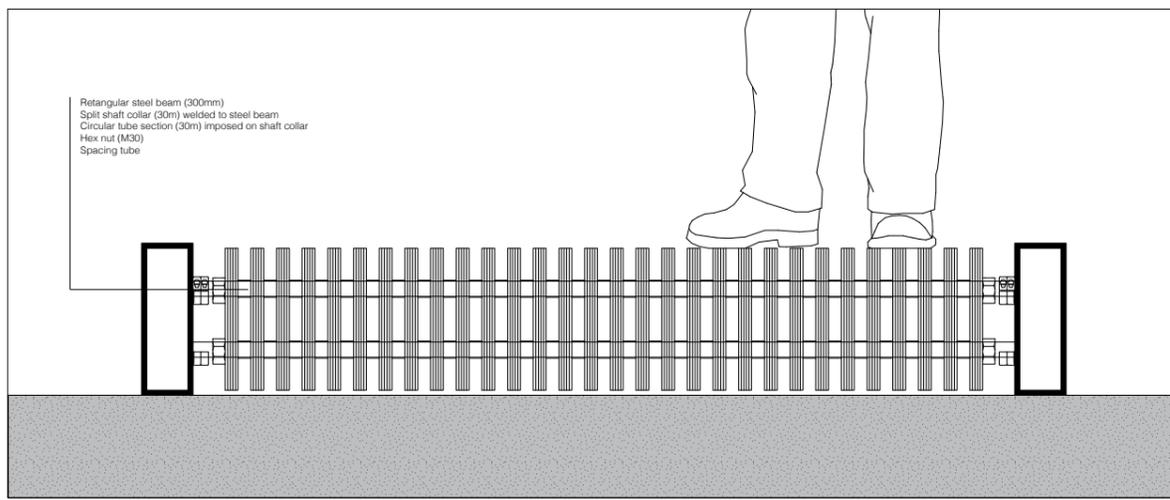


1. Openings in the deck

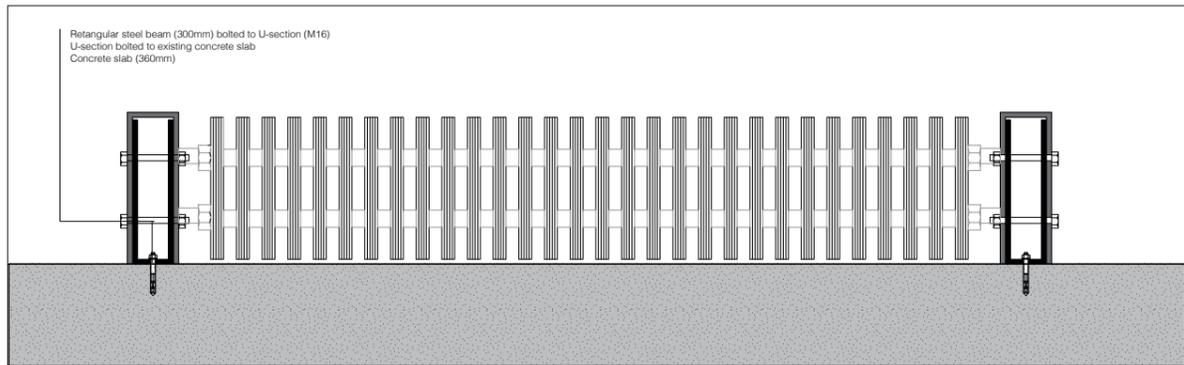


3. Steel profiles
(horizontal elements)

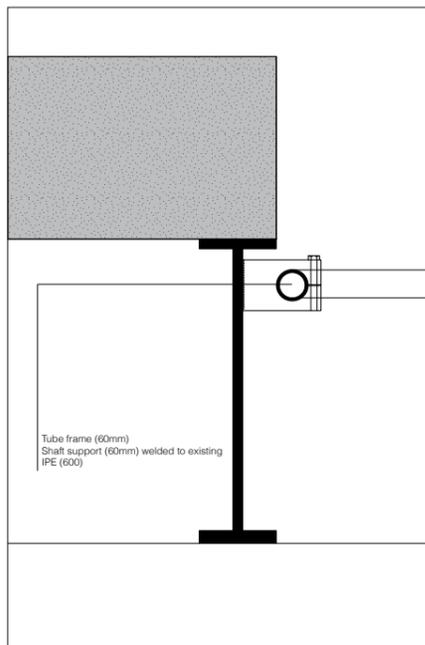




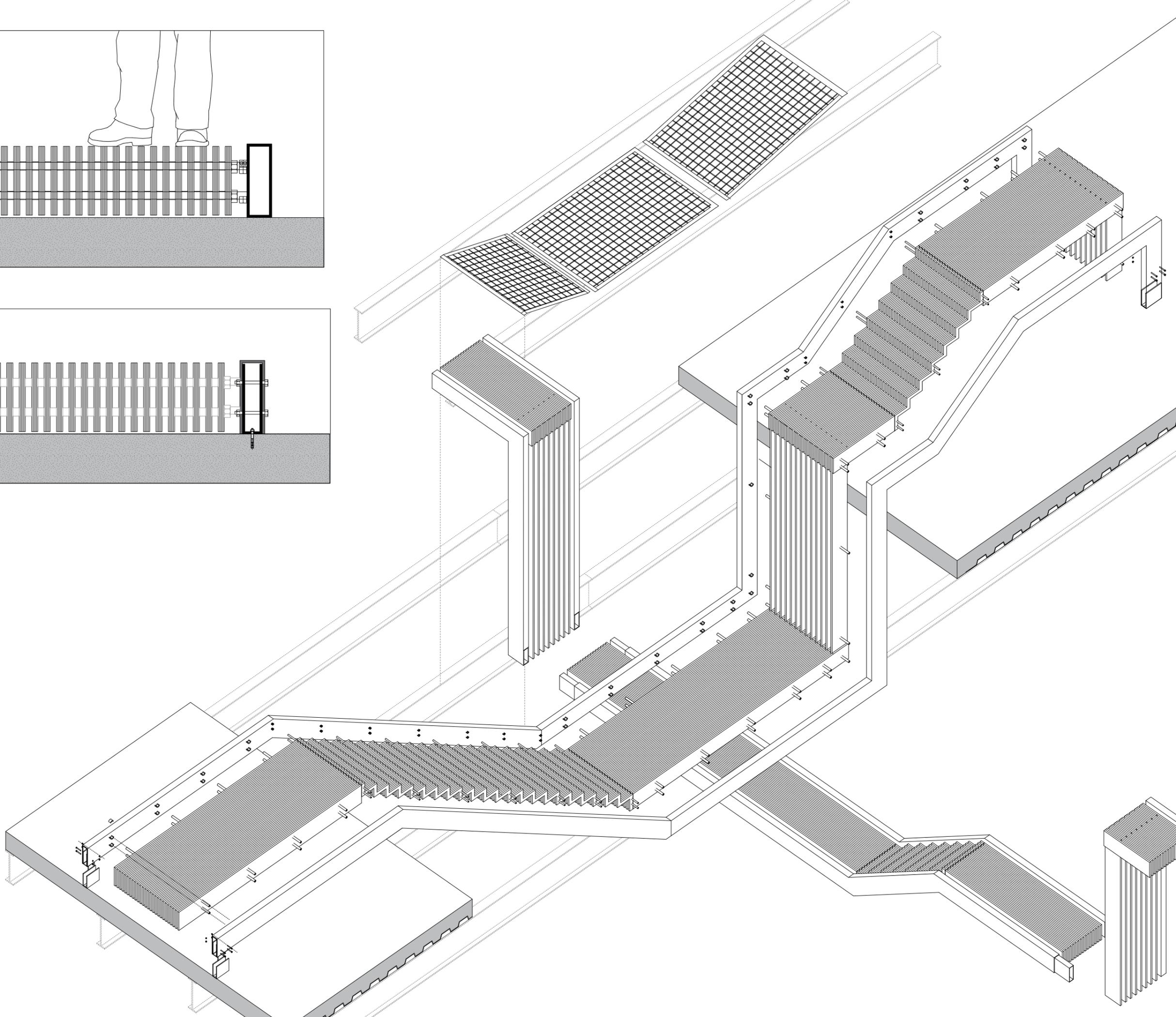
Detail 1:5 // WOODEN FLOORING ATTACHED TO STEEL BEAMS

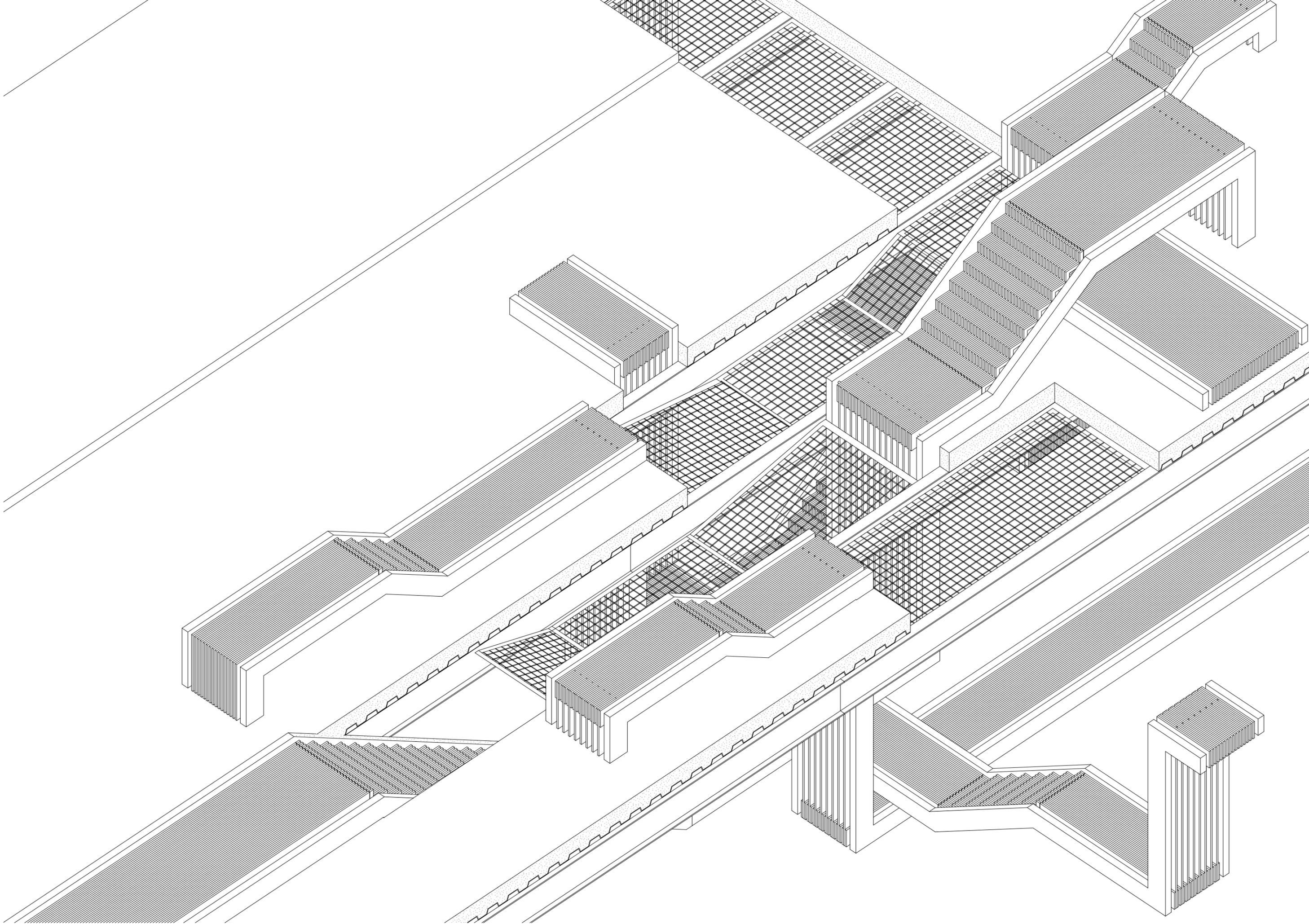


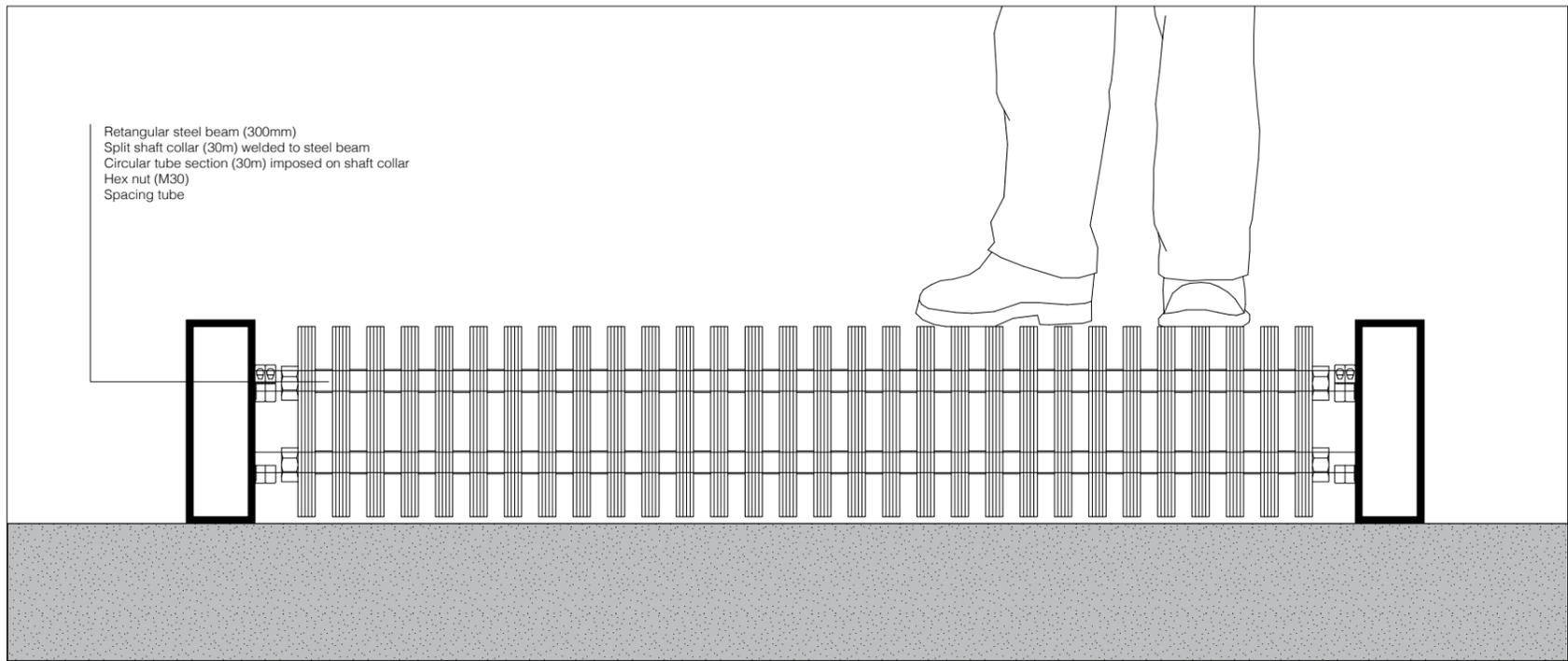
Detail 1:5 // STEEL BEAM CONNECTED TO EXISTING CONCRETE SLAB



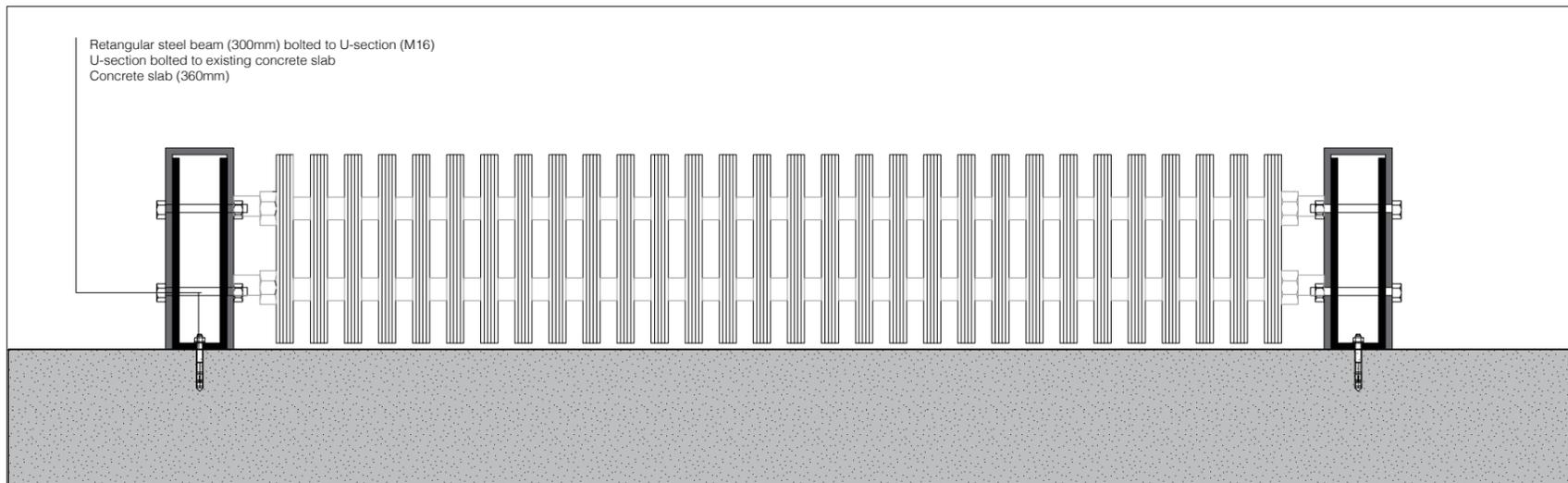
Detail 1:5 // NET FRAME CONNECTED TO EXISTING I-BEAM



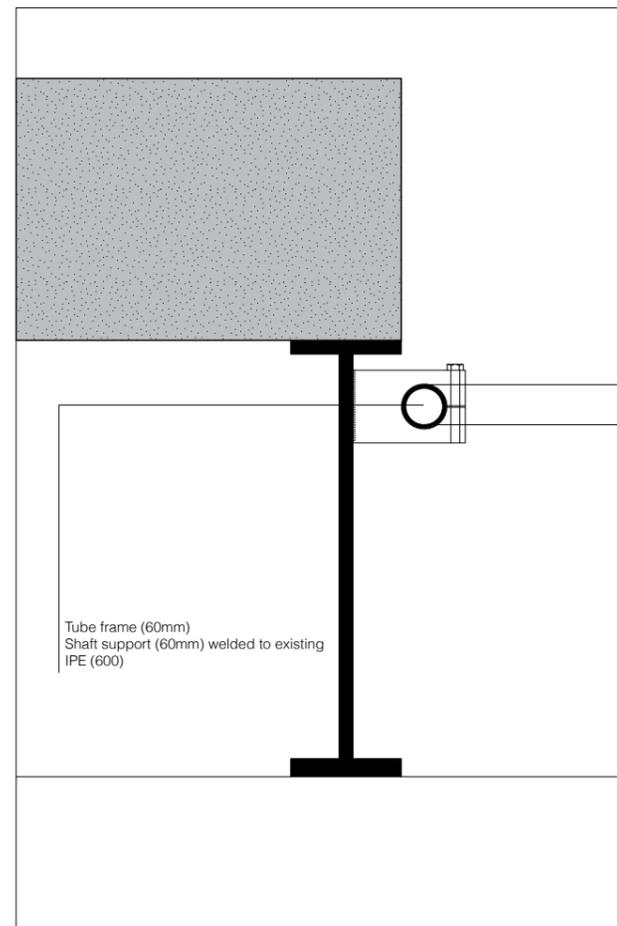




Detail 1:5 // WOODEN FLOORING ATTACHED TO STEEL BEAMS



Detail 1:5 // STEEL BEAM CONNECTED TO EXISTING CONCRETE SLAB



Detail 1:5 // NET FRAME CONNECTED TO EXISTING I-BEAM

1:20 model



