# RESILIENT Den CITY



POST-SANDY RECONSTRUCTION OF JERSEY CITY'S WATERFRONT COSIMO CONSERVA MATTEO FERRARESE VINCE MARCHETTO MATTIA TINTORI



EXPLORE LAB 19
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- 1. Introduction
- 2. Masterplan
- 3. District
- 4. Shape
- 5. Surroundings
- 6. Building
- 7. Programme
- 8. Programme positioning / Routing
- 9. Structure
- 10. Climate Concept
- 11. Materialisation

1 •

# introduction

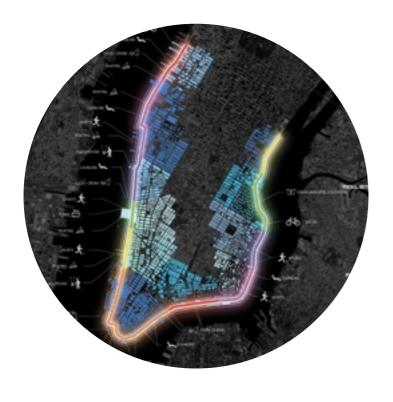
# **EXPLORE LAB 19**

# REBUILD BY DESIGN

#### **NEW YORK**

#### HOBOKEN

#### **BRONX**













LONG ISLAND MEADOWLANDS STATEN ISLAND

### **JERSEY CITY**

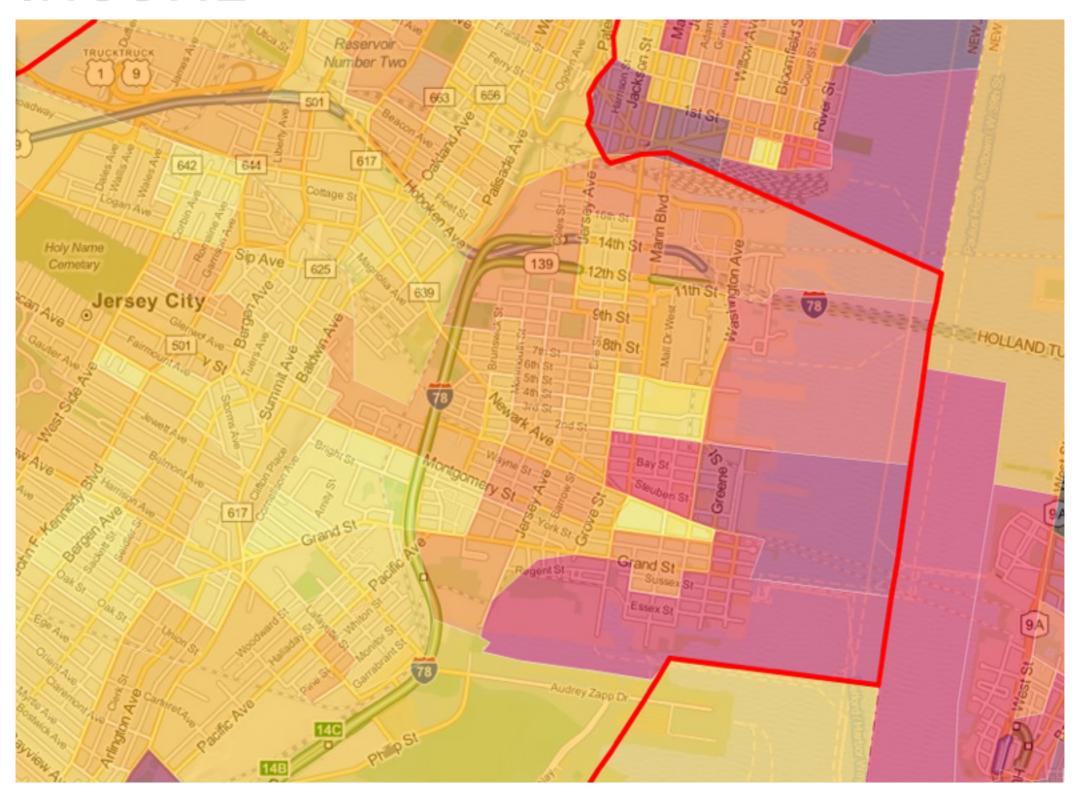




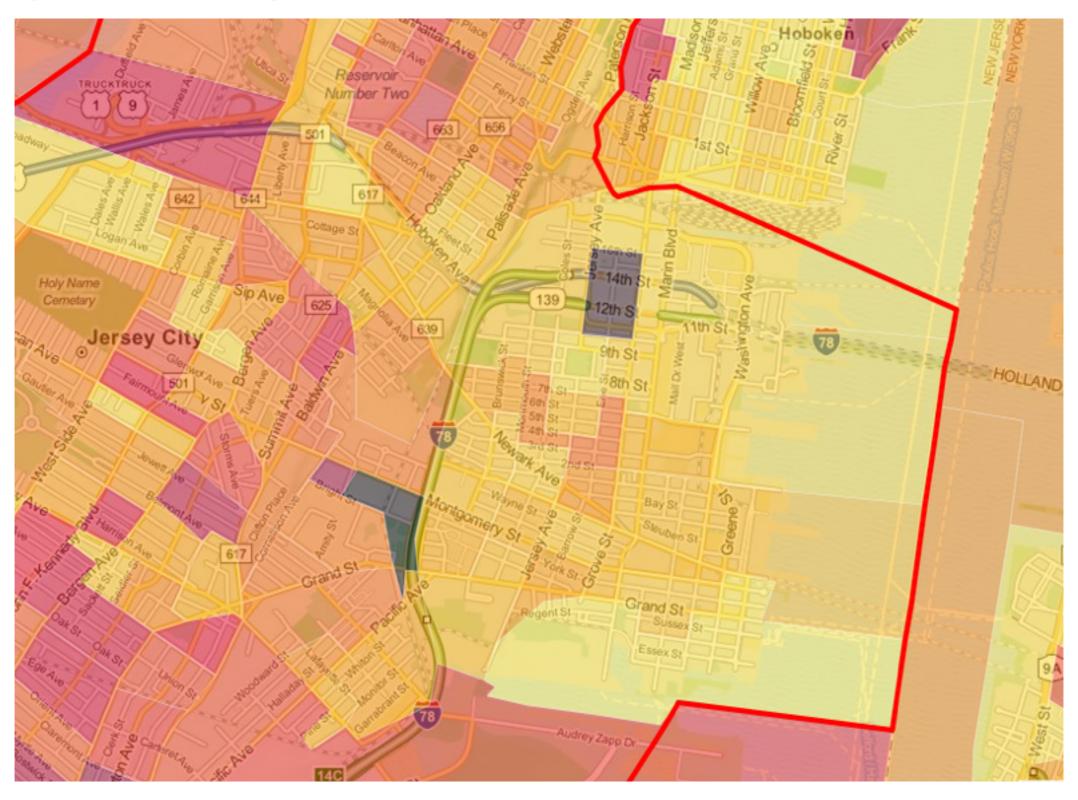




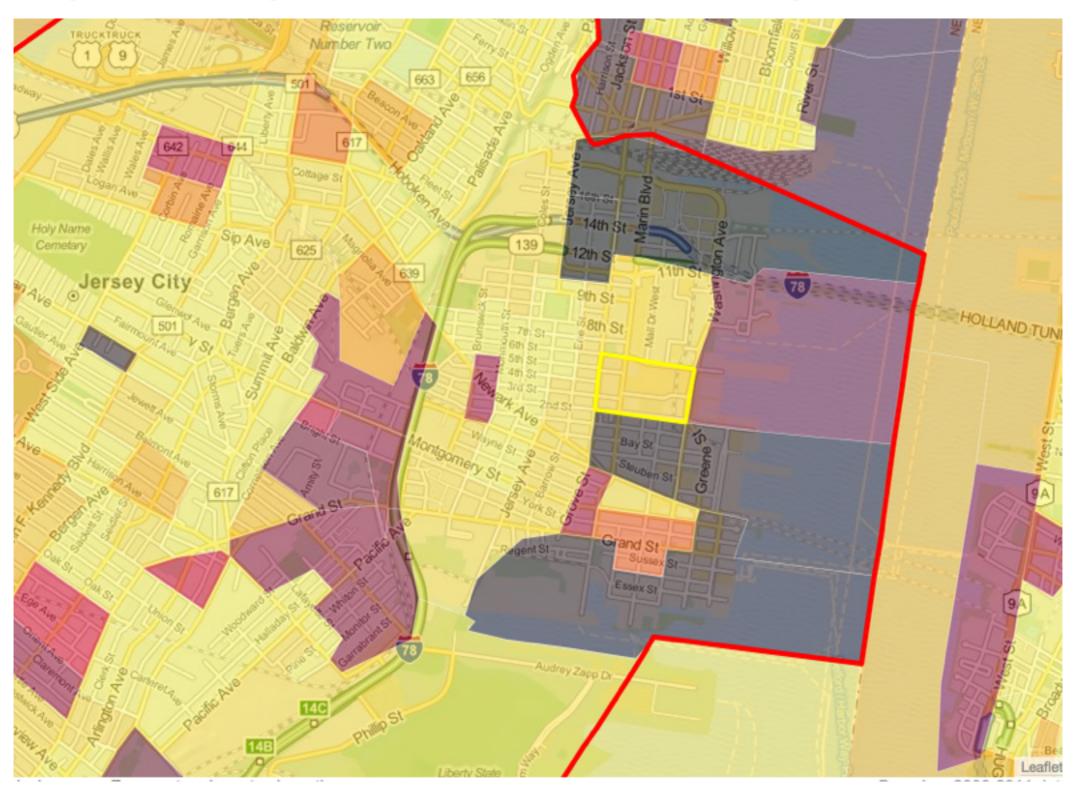
#### INCOME



#### UNEMPLOYMENT



#### BUILDING MEDIAN YEAR BUILT

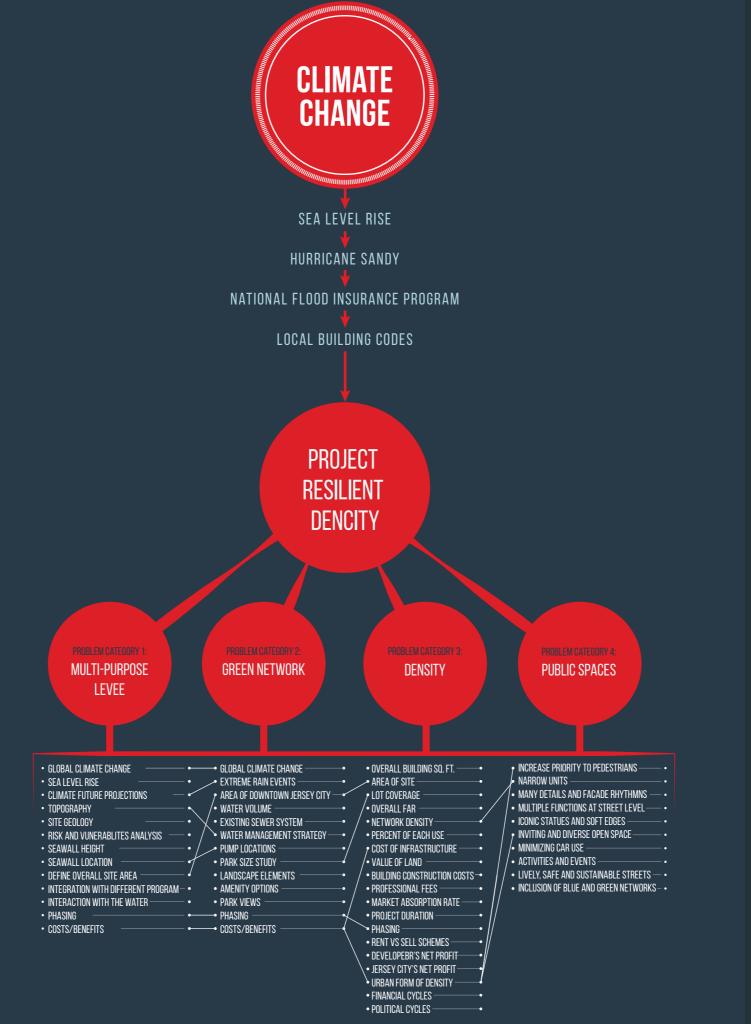


#### **OPPORTUNITIES**

The waterfront is the richest area

the most modern one

and the one with less unemployment

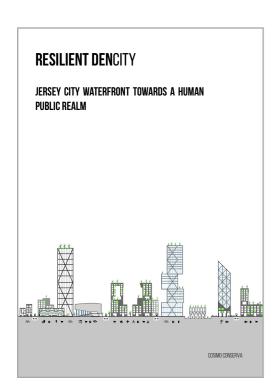


#### RESEARCH

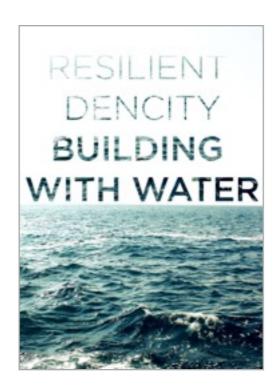
PUBLIC SPACES FLOOD PROTECTION

GREEN NETWORK

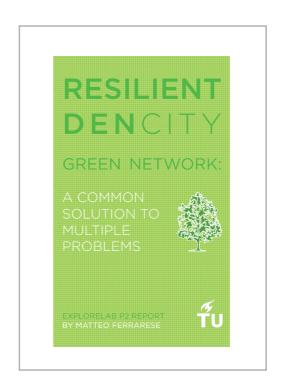
**DENSITY** 



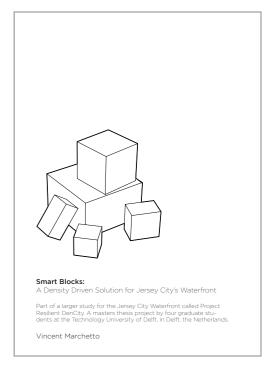
COSIMO CONSERVA



MATTIA TINTORI

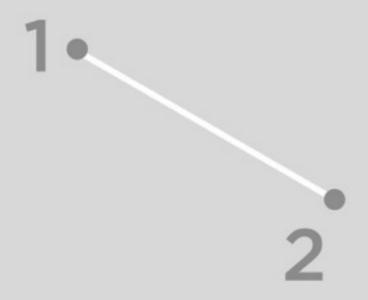


MATTEO FERRARESE

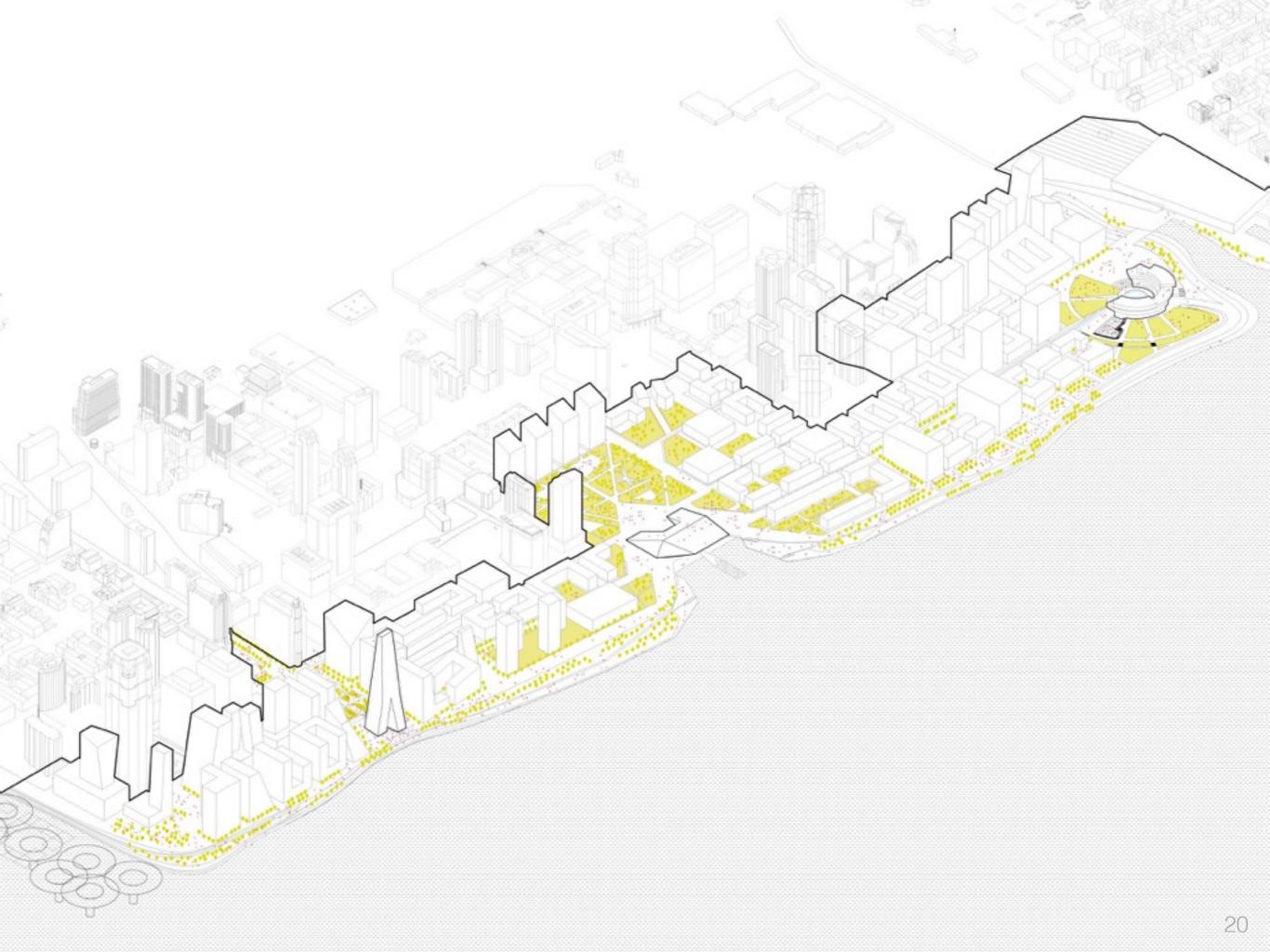


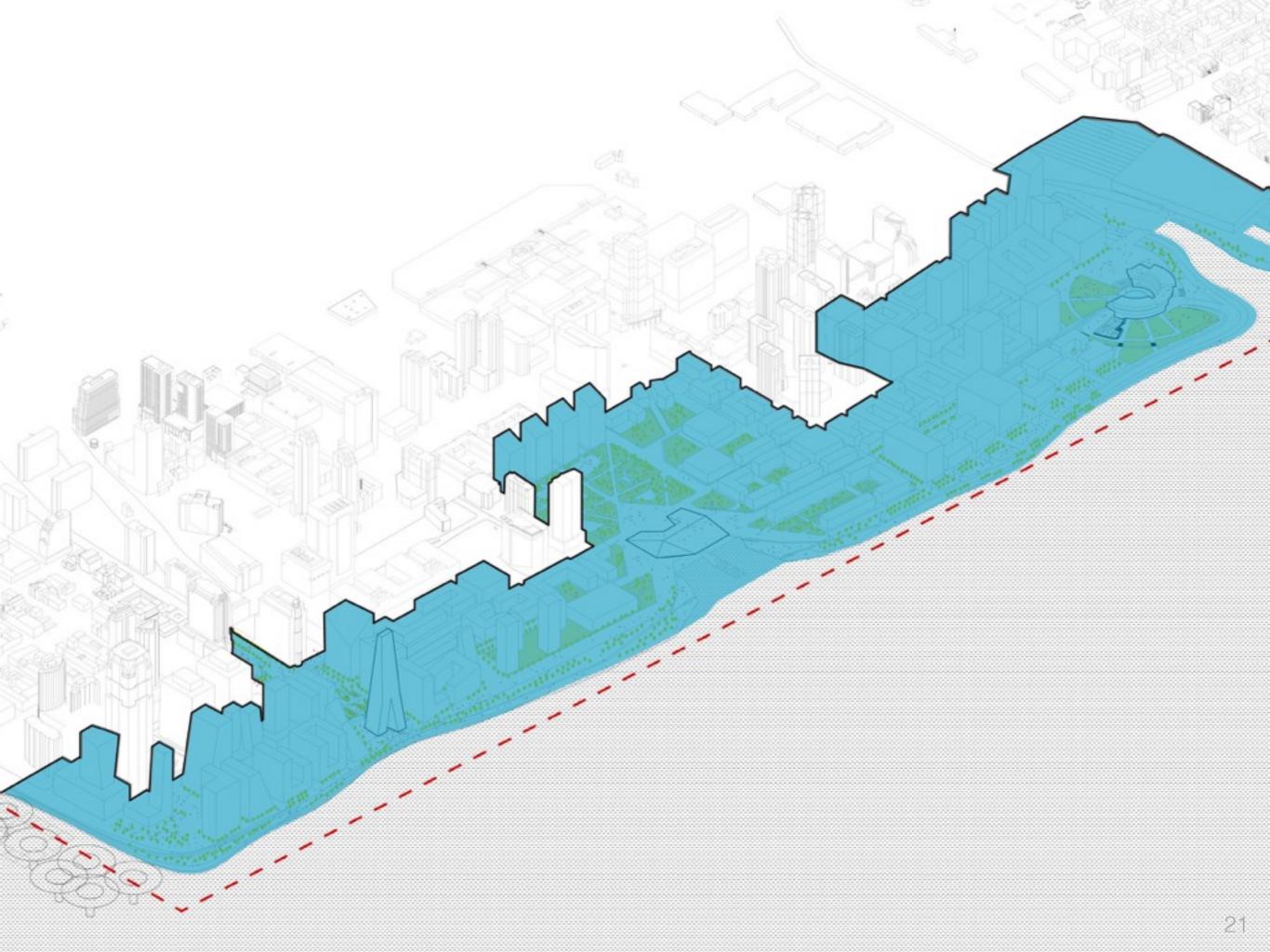
**VINCE MARCHETTO** 

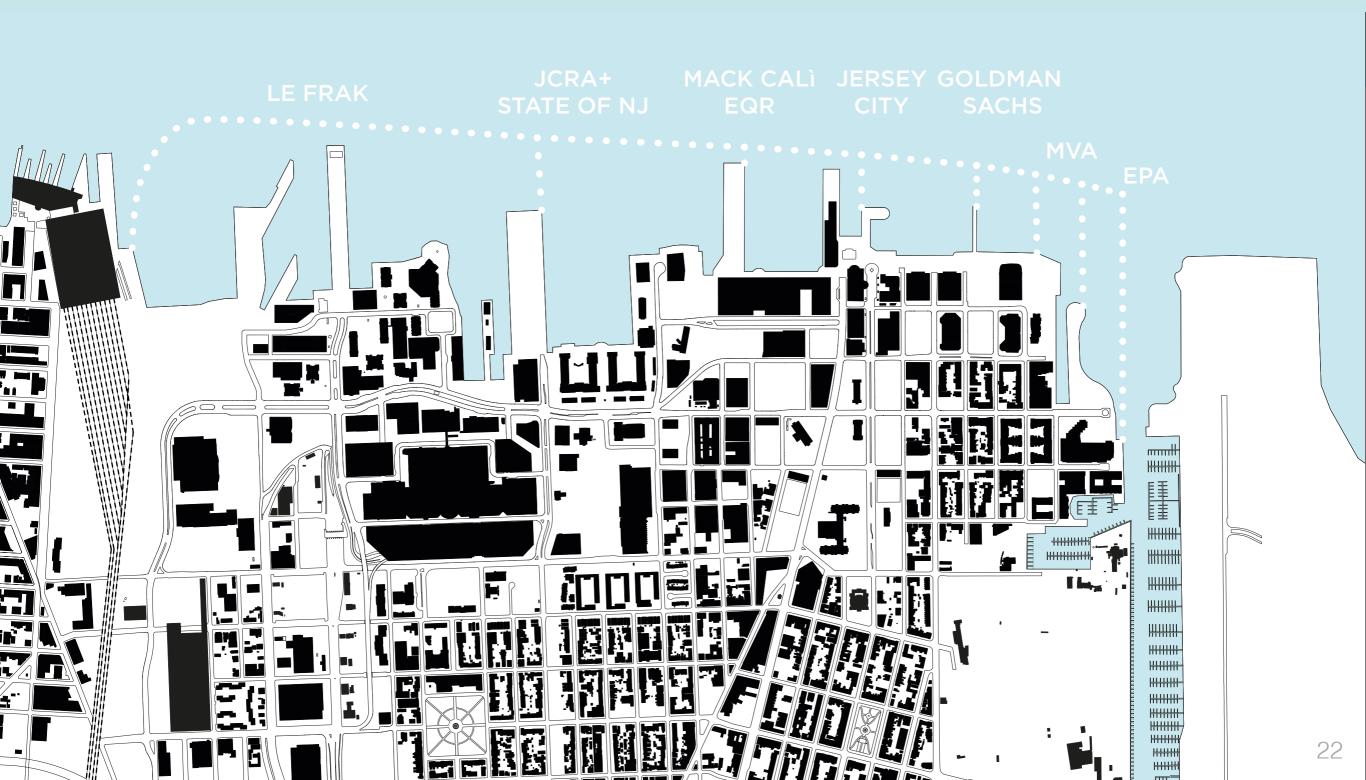


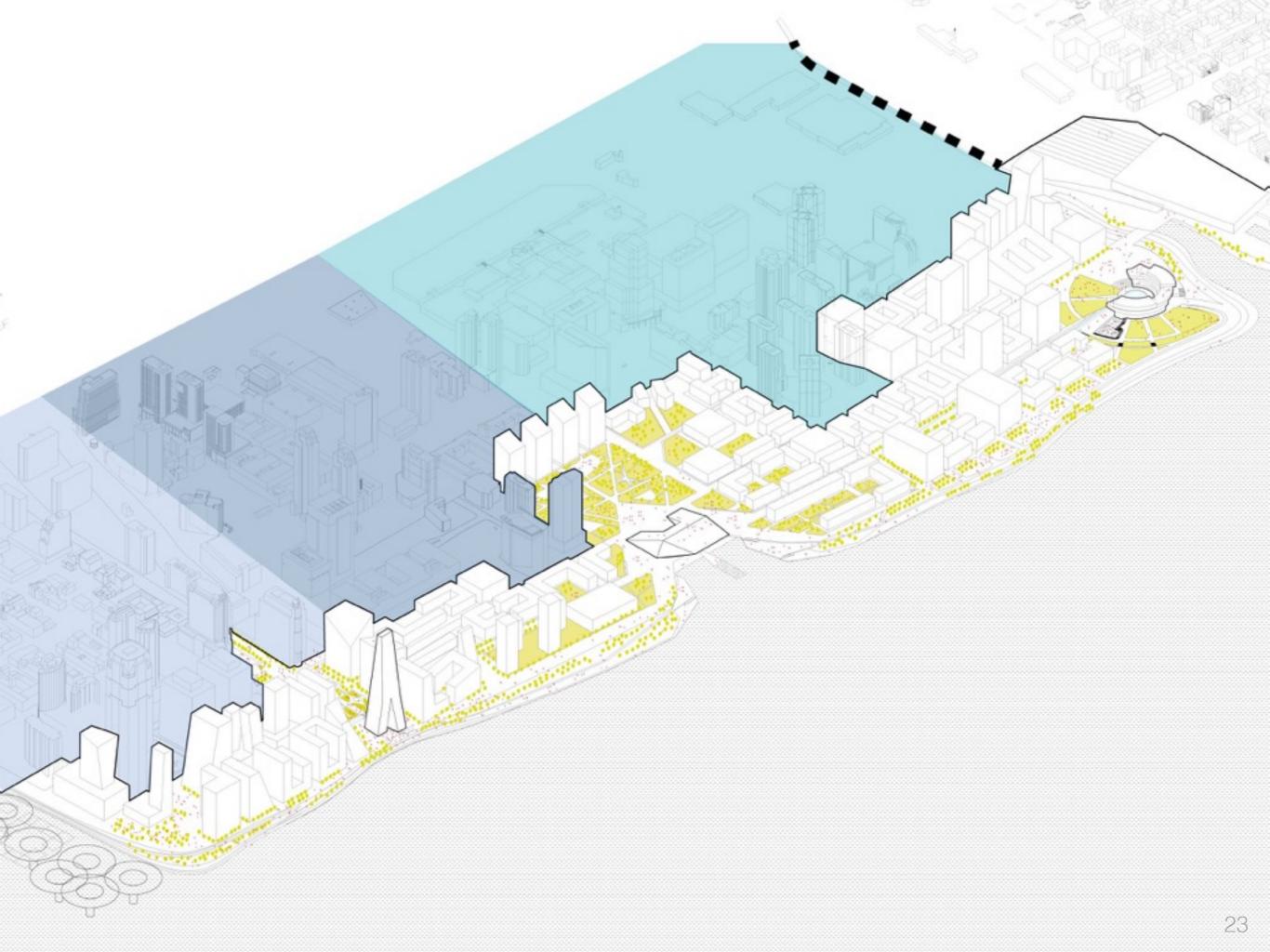


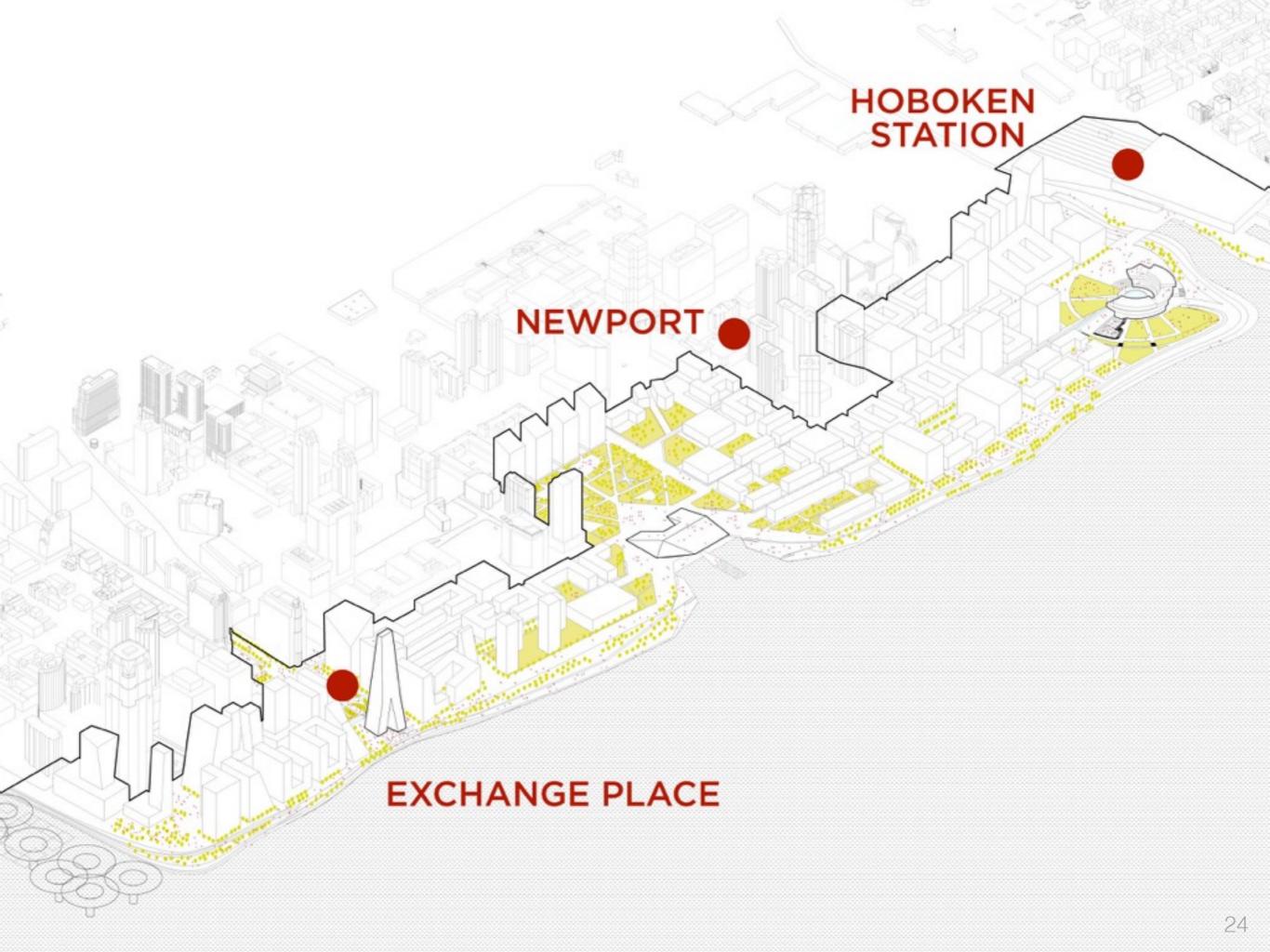
# masterplan









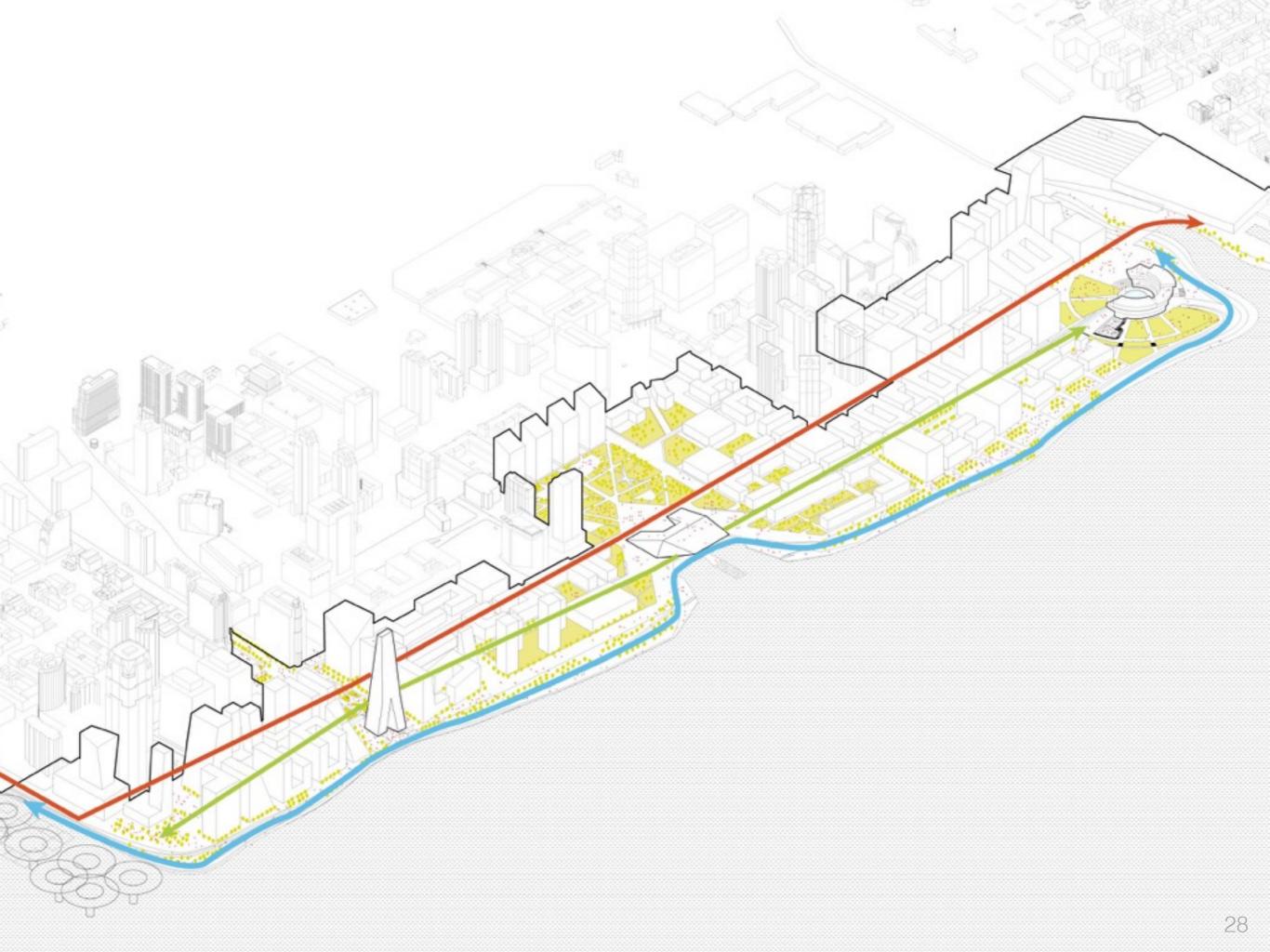




## VISION

Propose an **integrative** strategy and design that will make Jersey City **resilient** to extreme climate episodes, while fostering prosperity and **boosting** image and liveability.

Create **alternatives** for urban mobility, contributing to the well-being of citizens and integrity of the environment



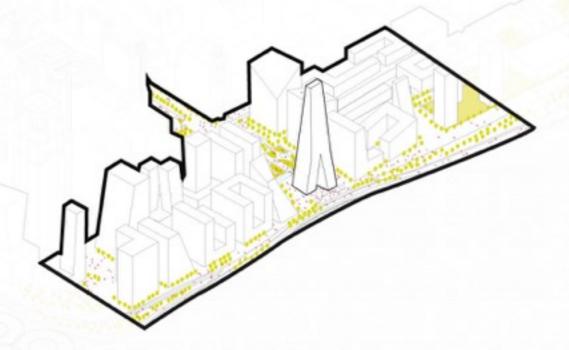
Create a iconic places that will make JC recognisable as a desirable place to live, work and invest





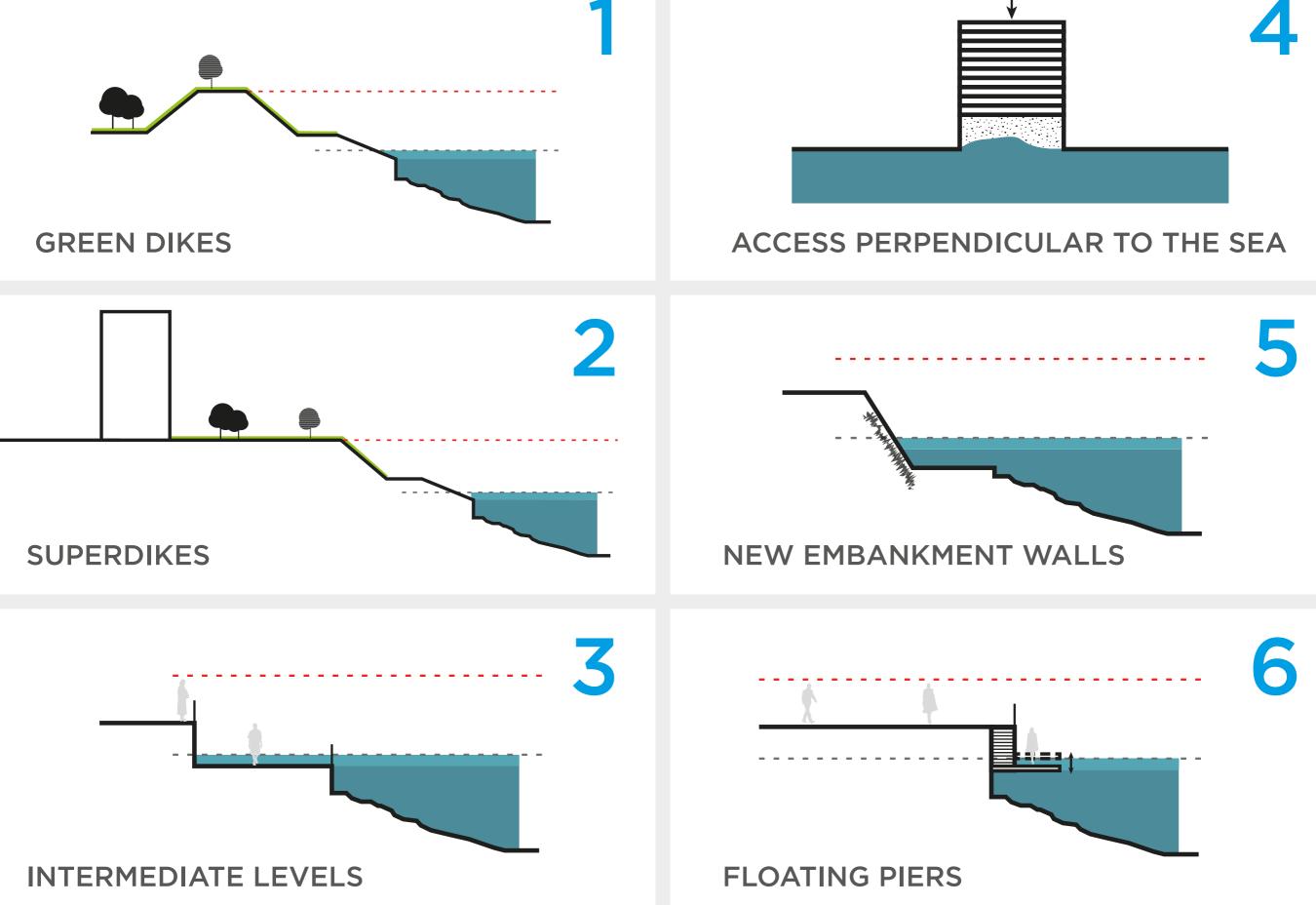
## DISTRICT 3

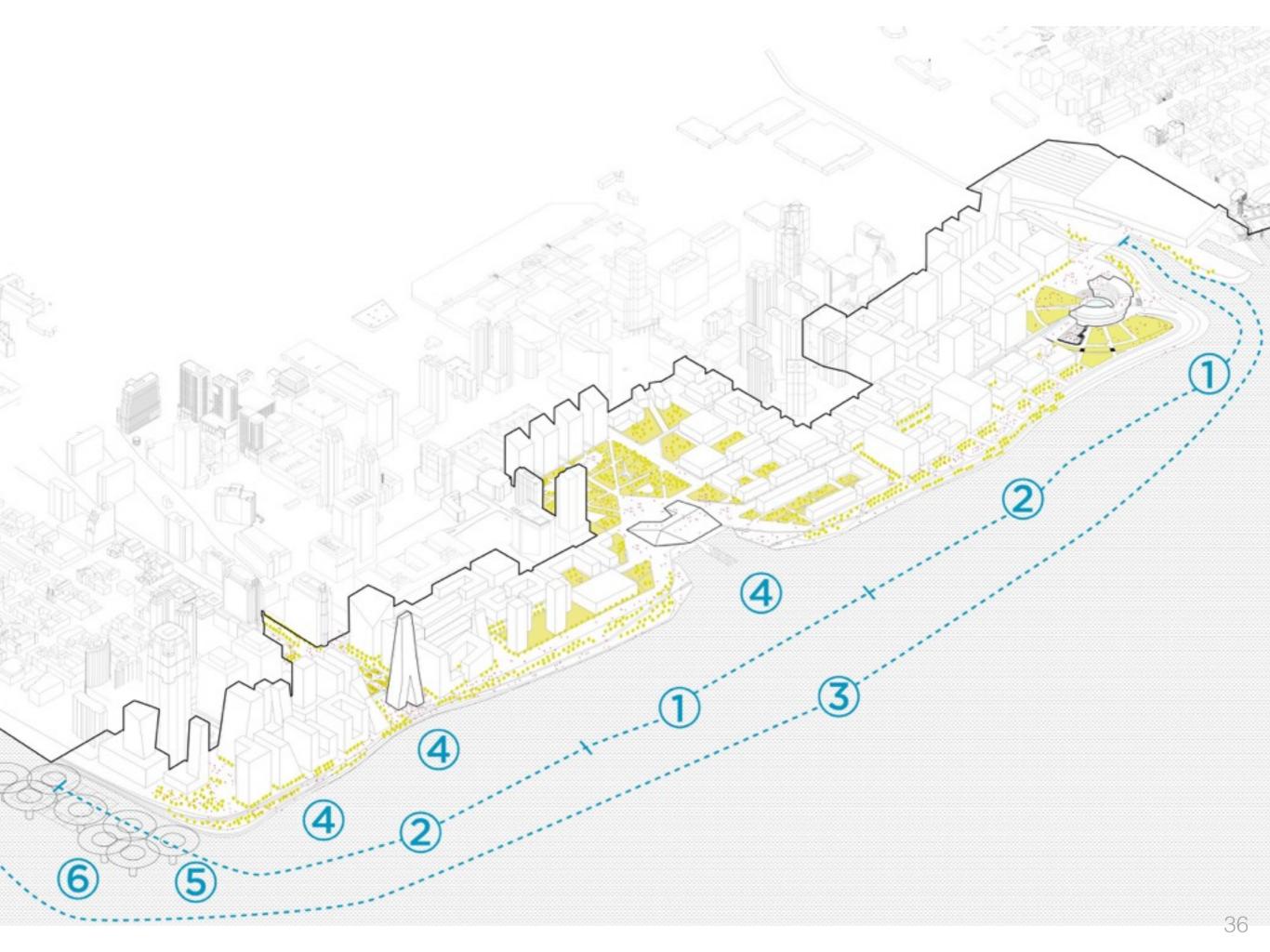
OFFICE AND FINANCIAL DISTRICT



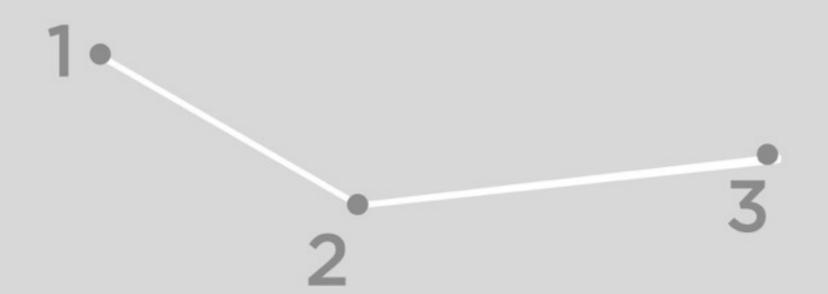


Create opportunities for Jersey City's residents to be able to touch / interact / enjoy / live the water.



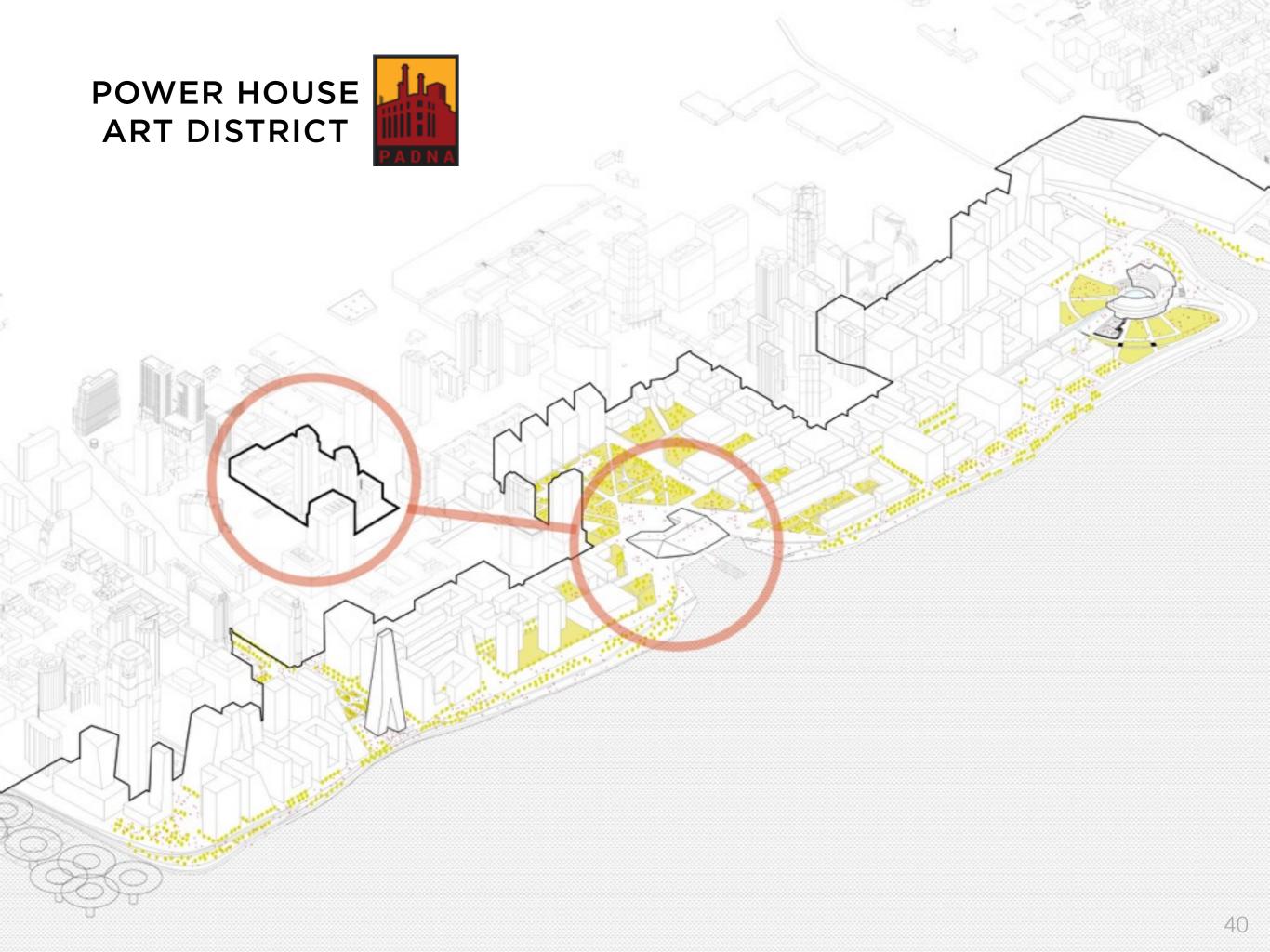


Design an environment that will create public goods and foster economic prosperity.



## district

















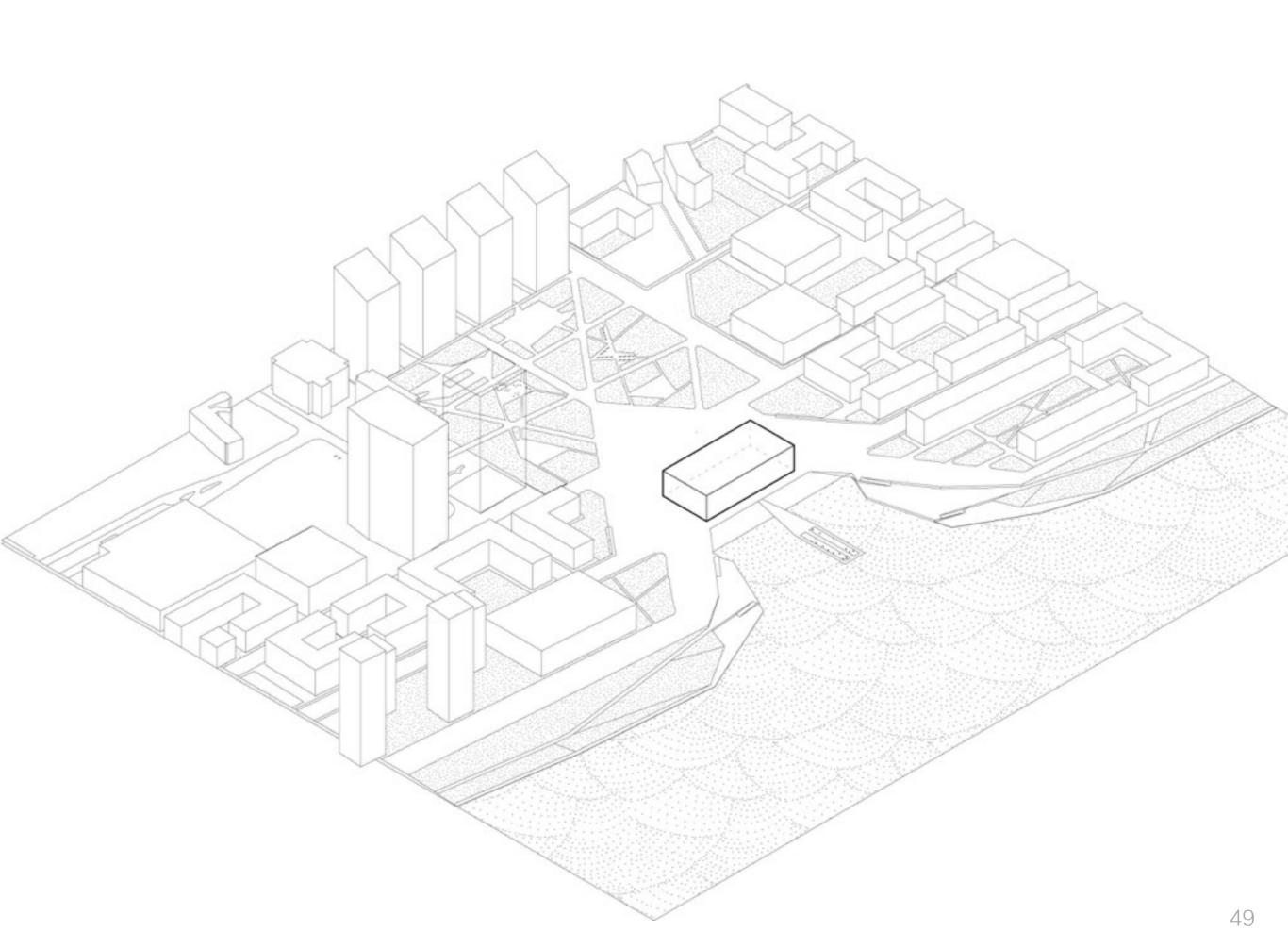


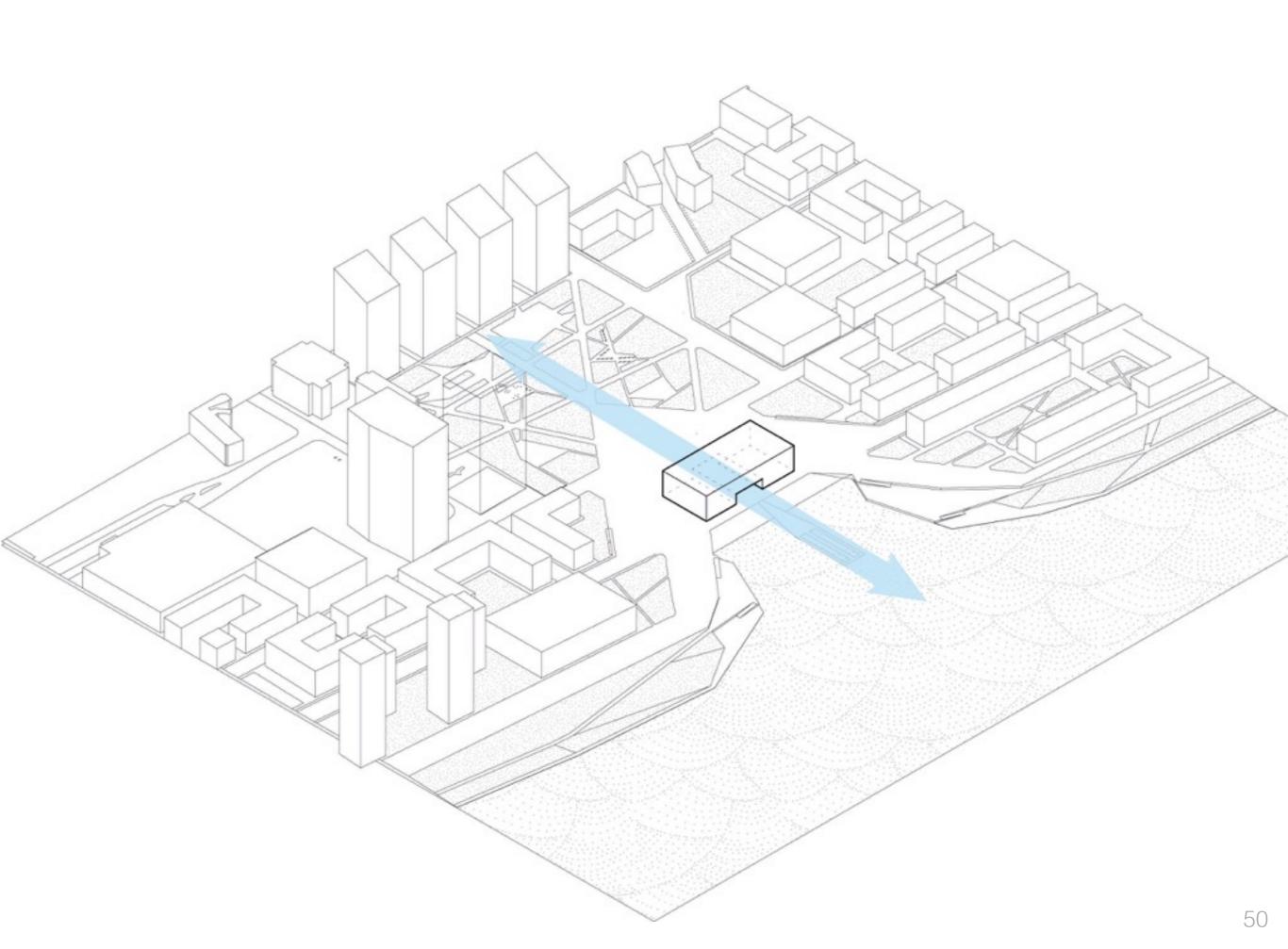


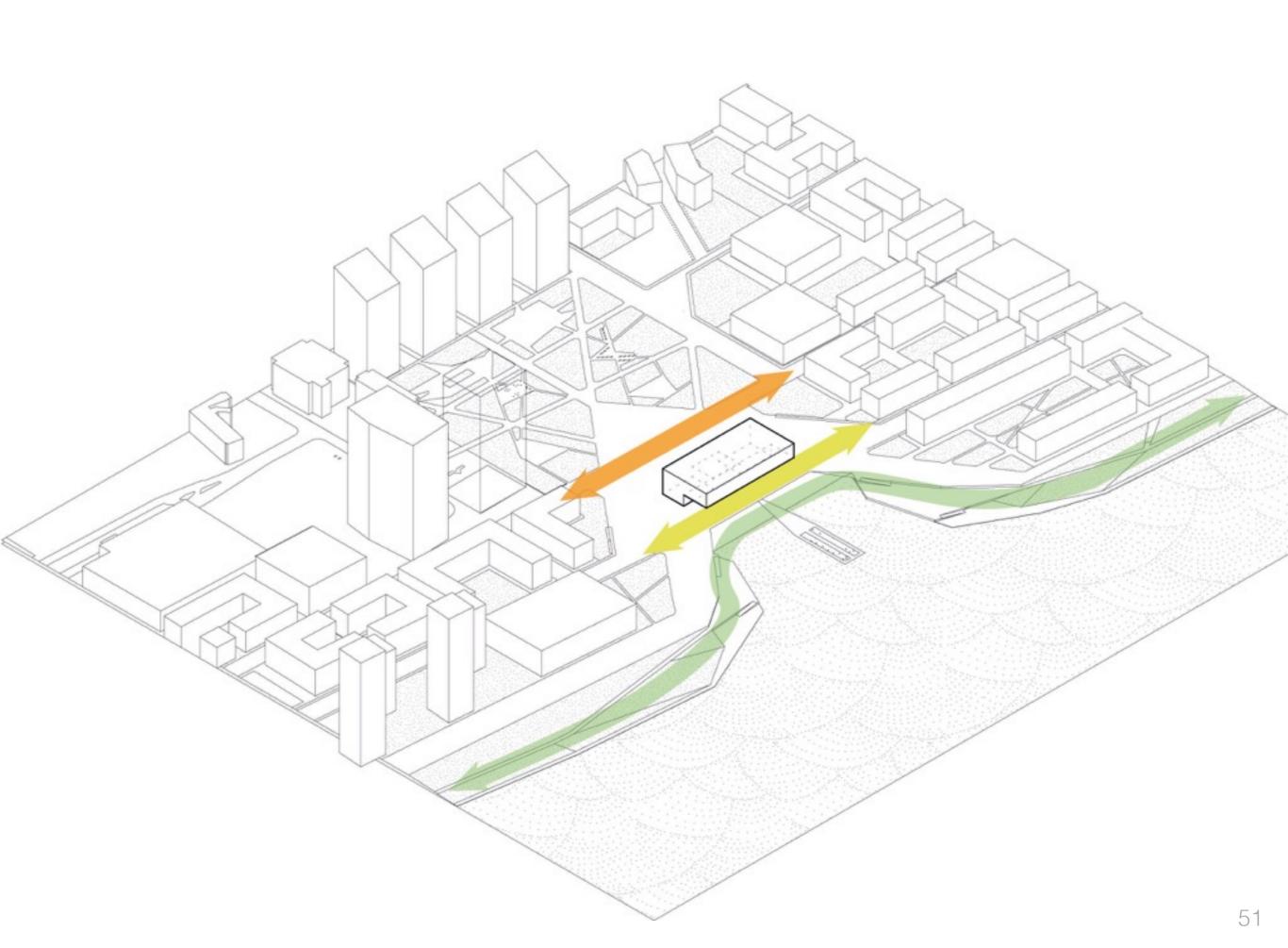


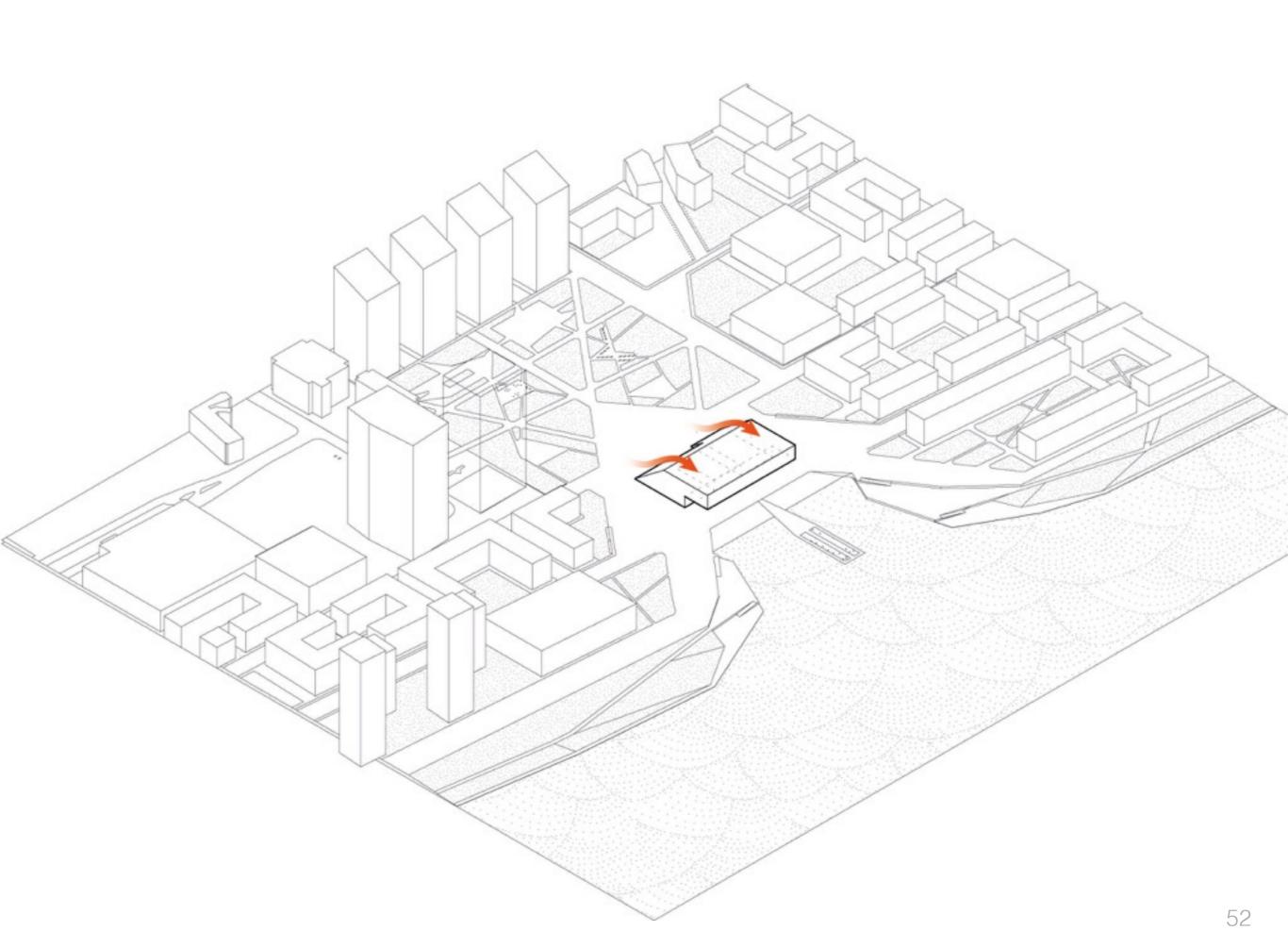


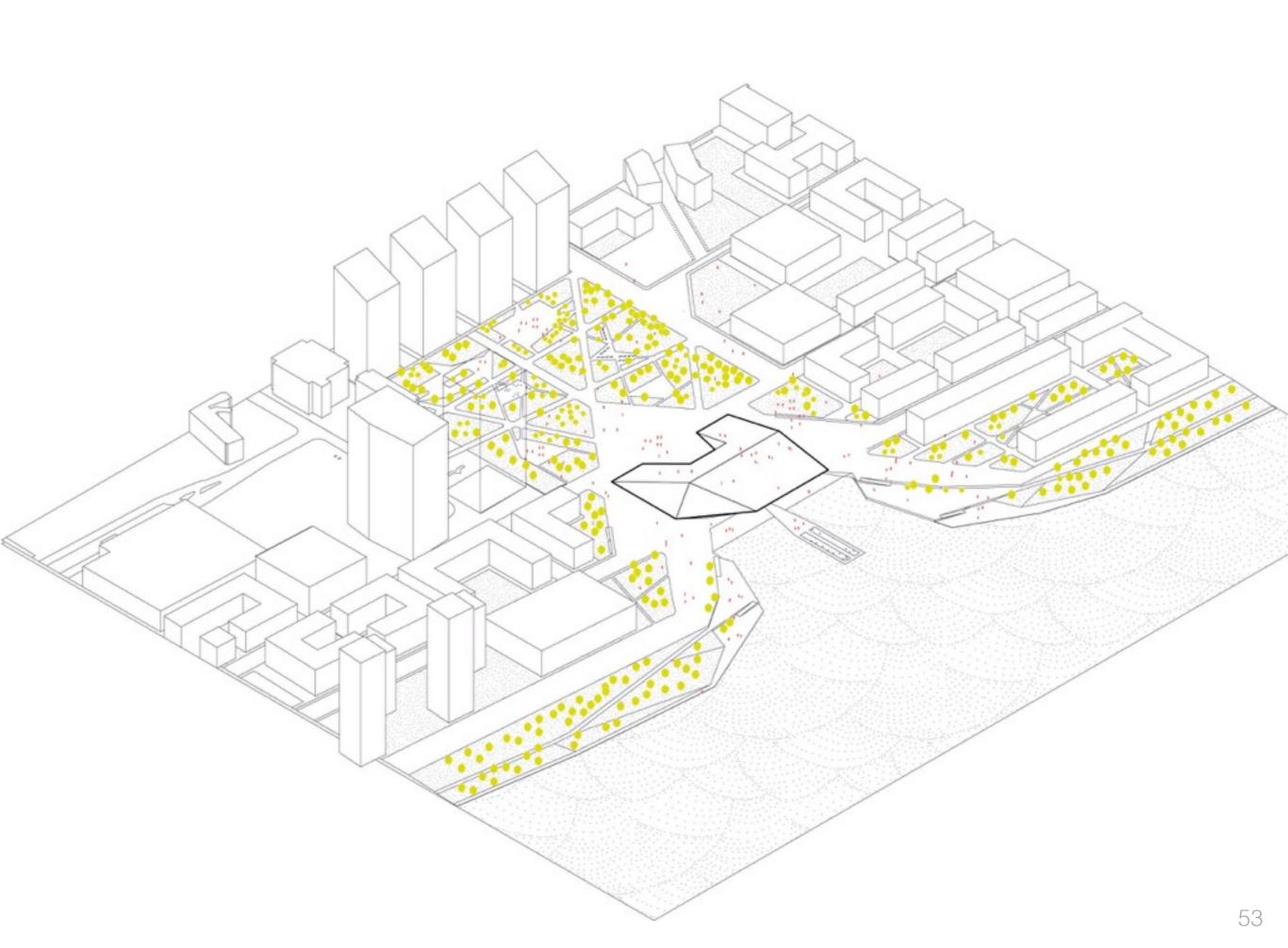


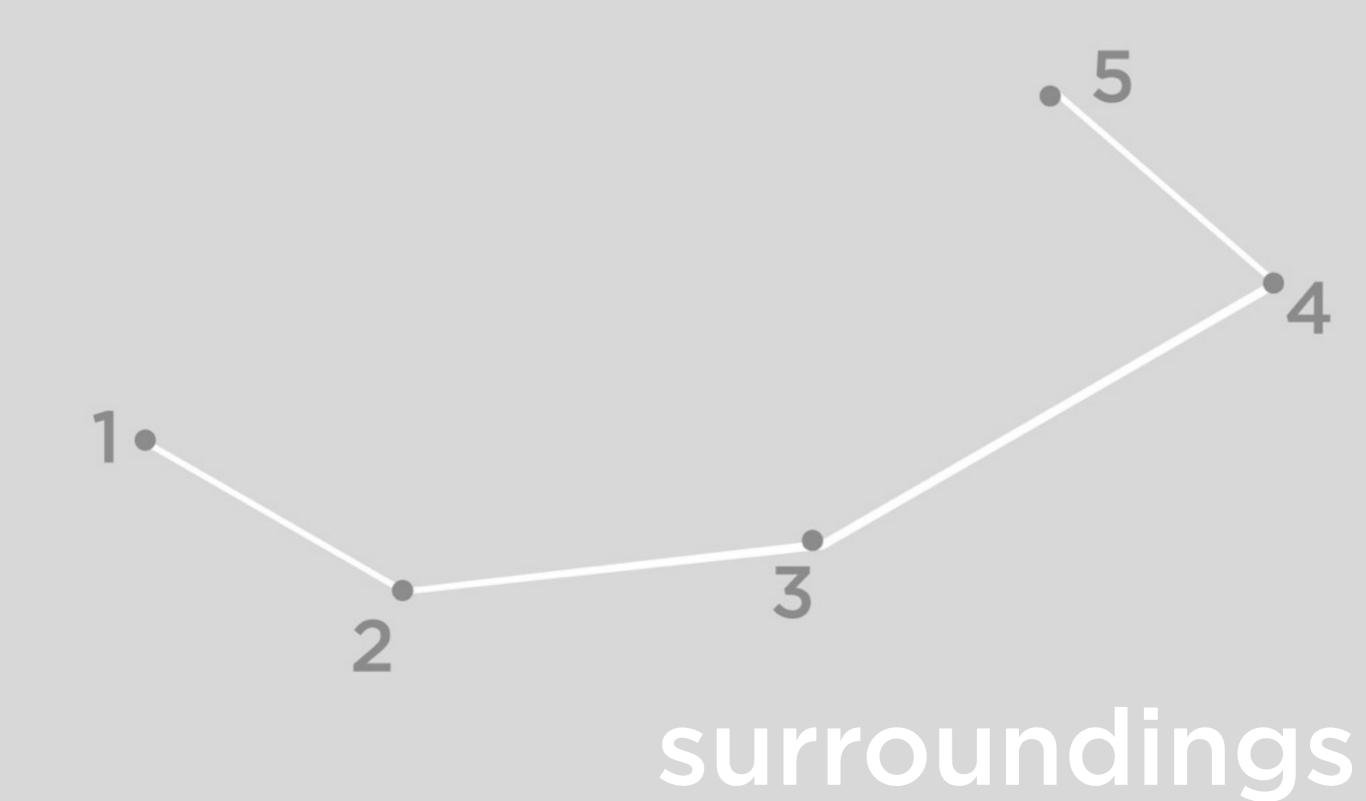


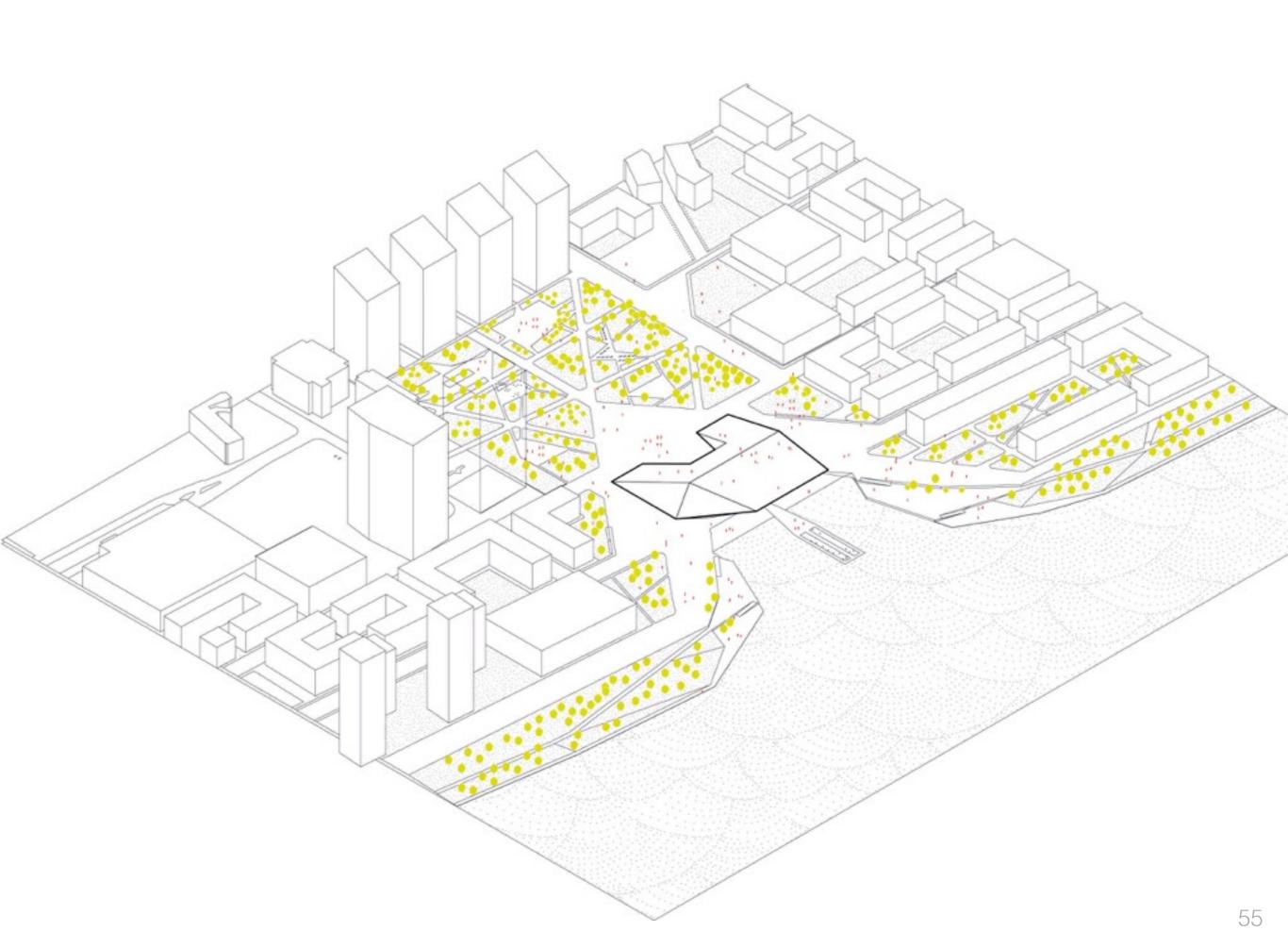


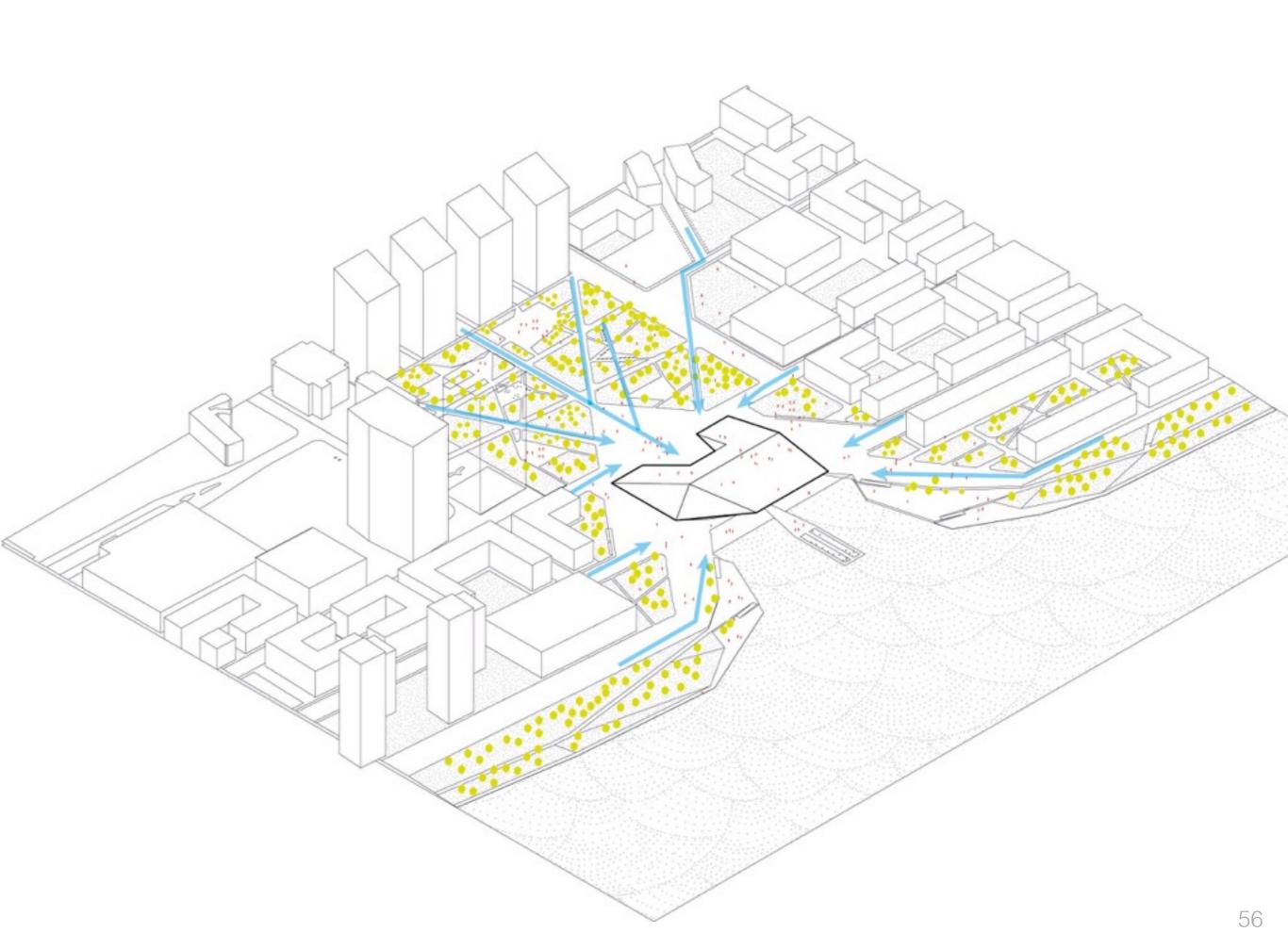


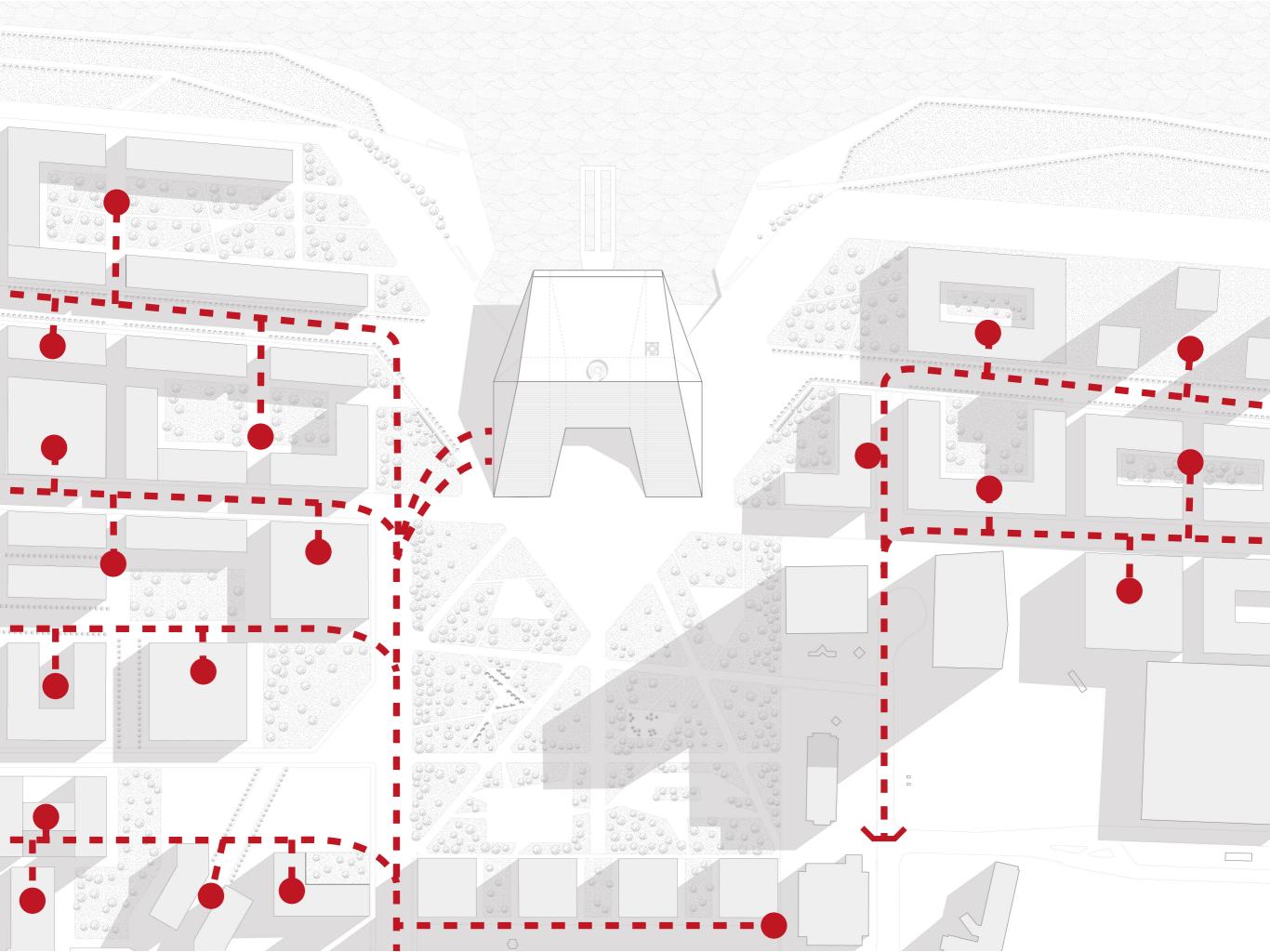


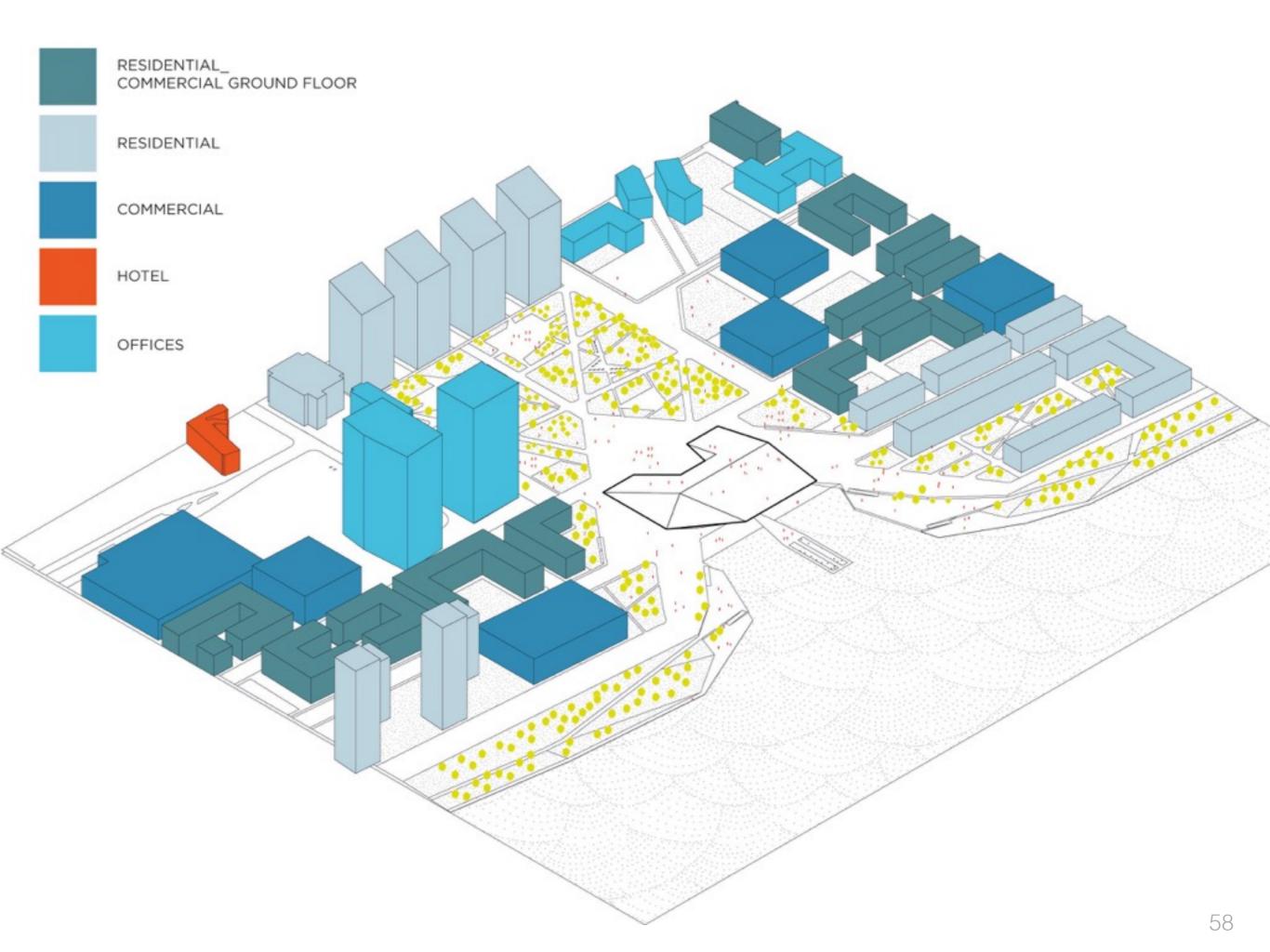


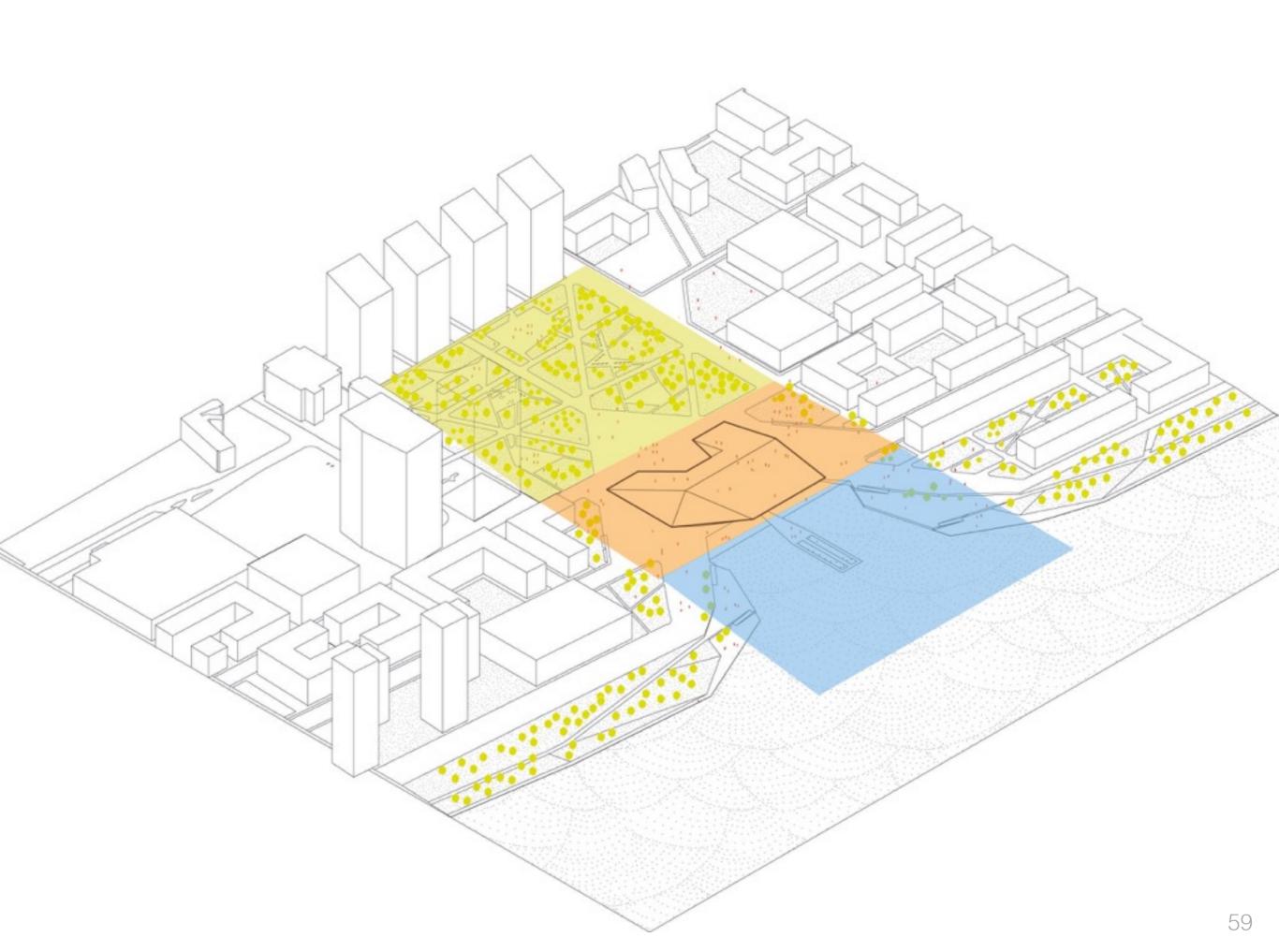


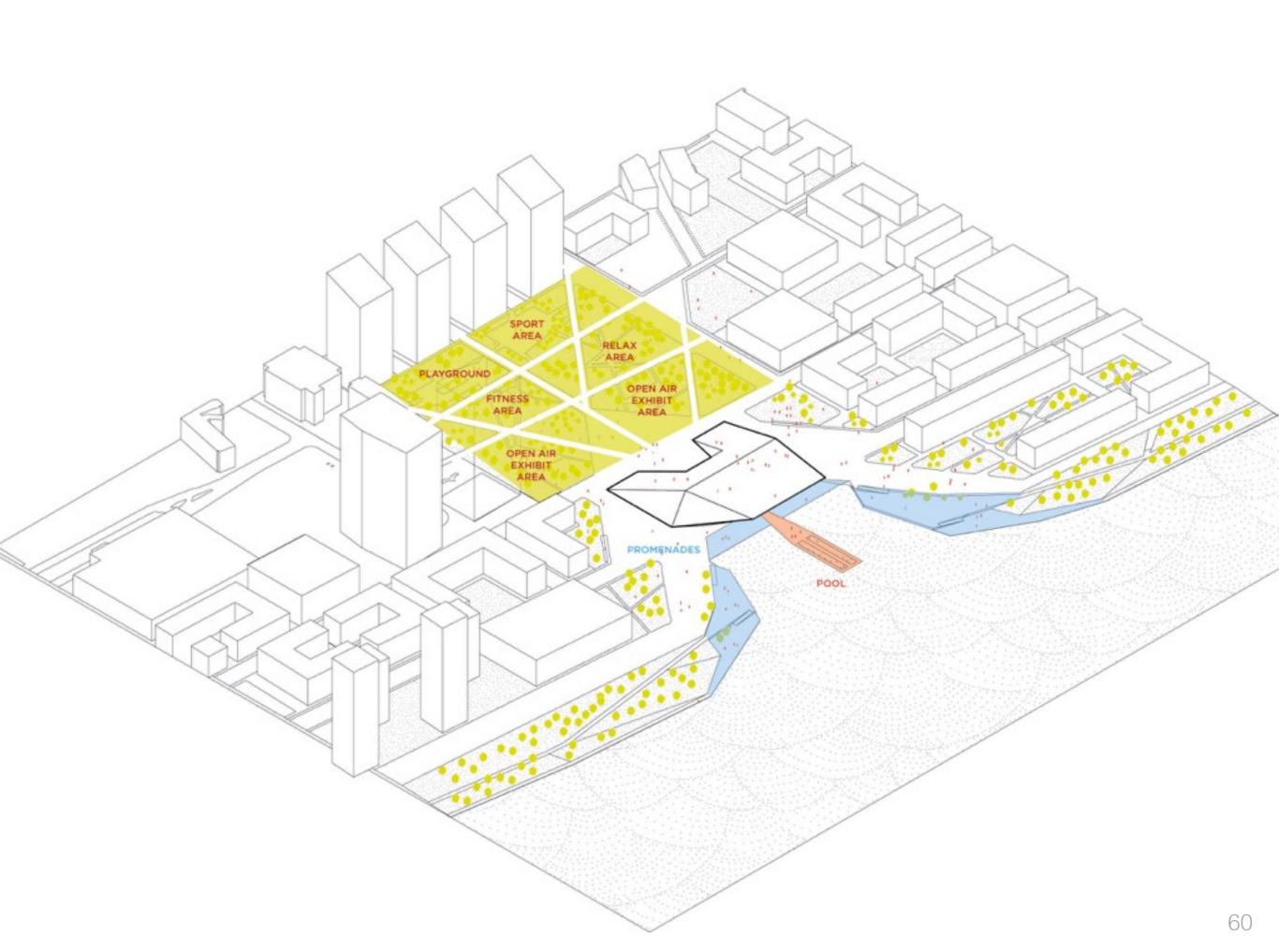


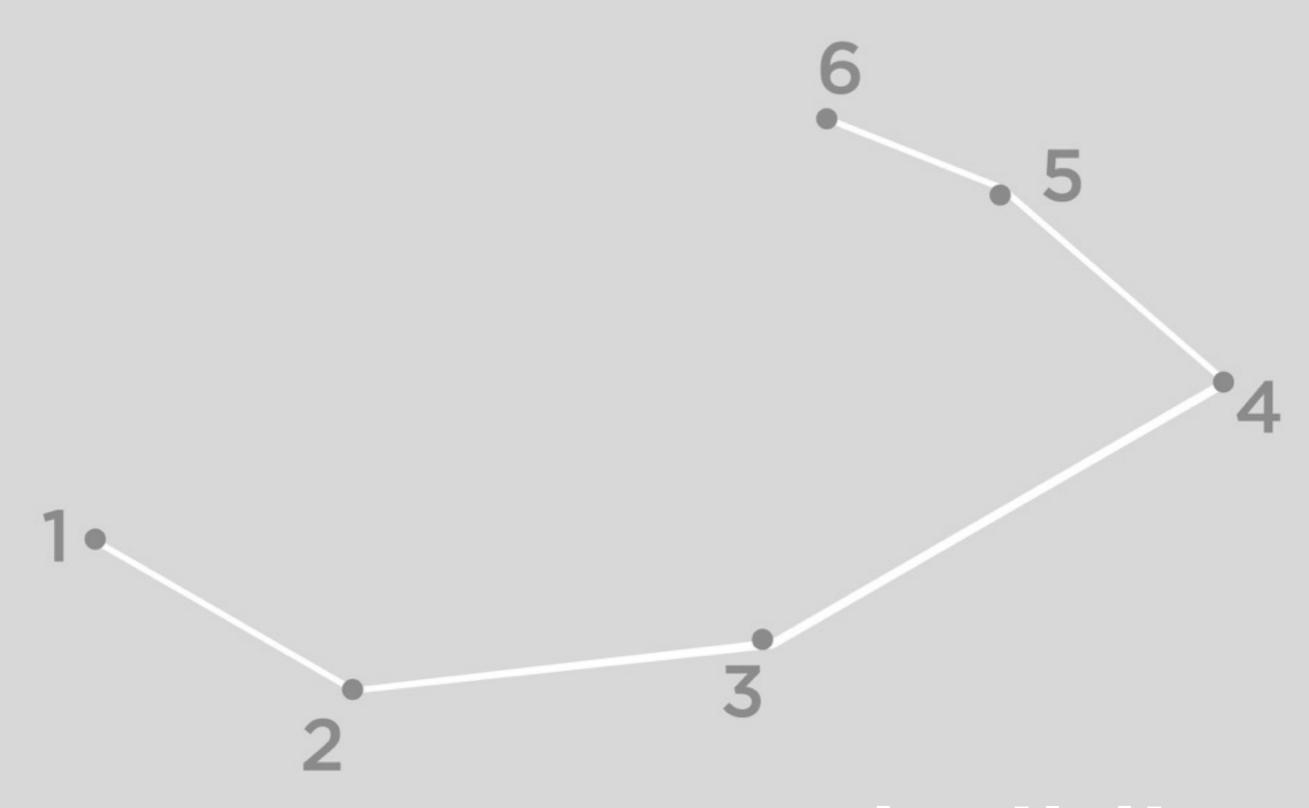








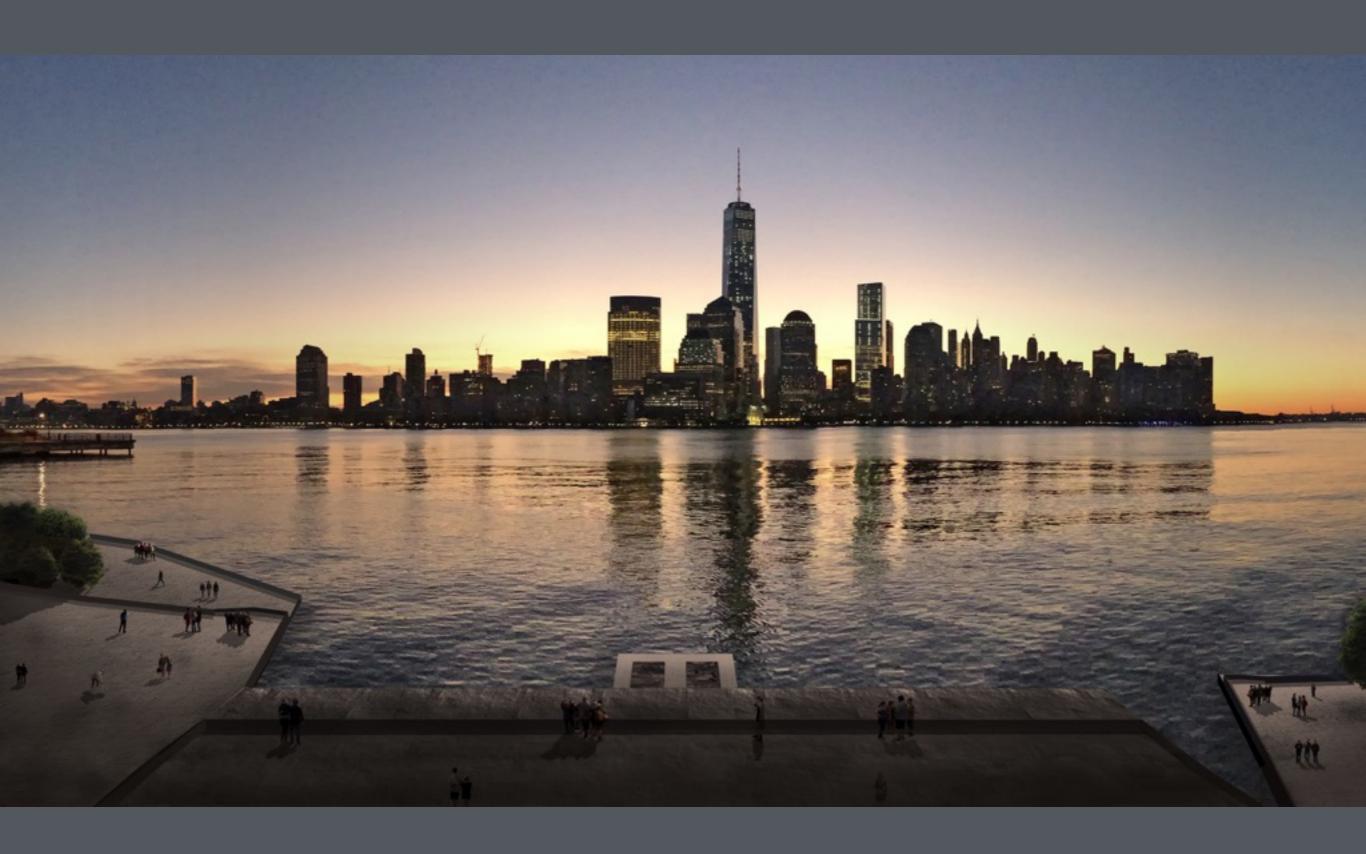




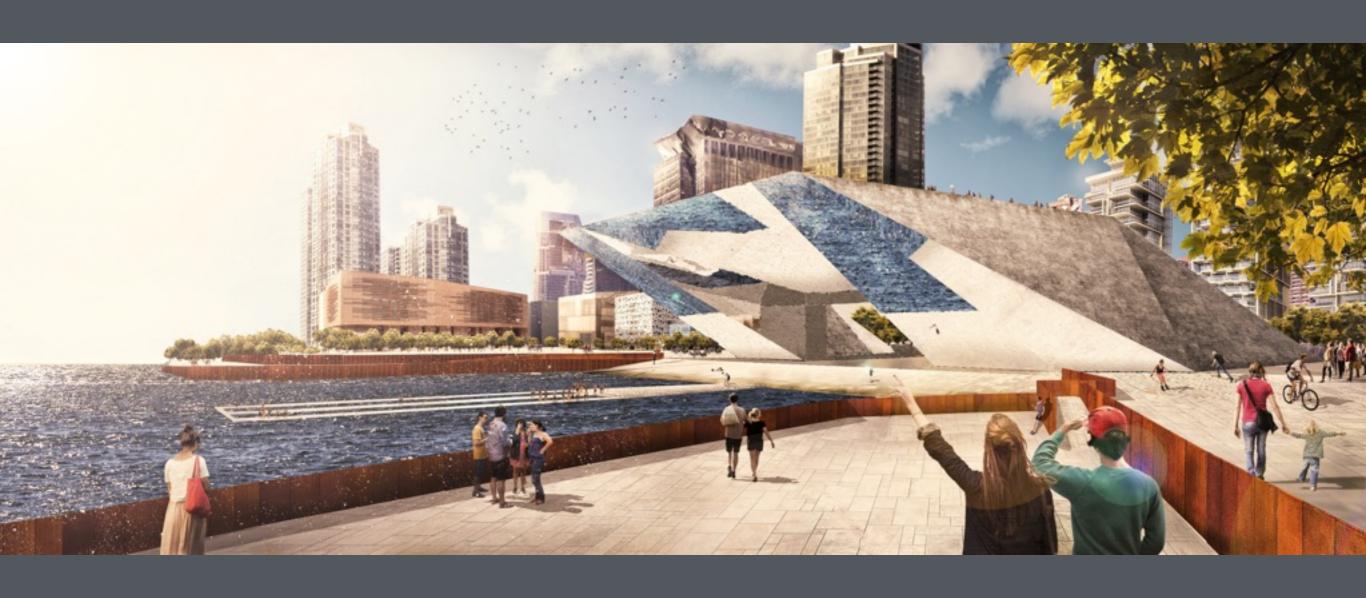
## building

## 

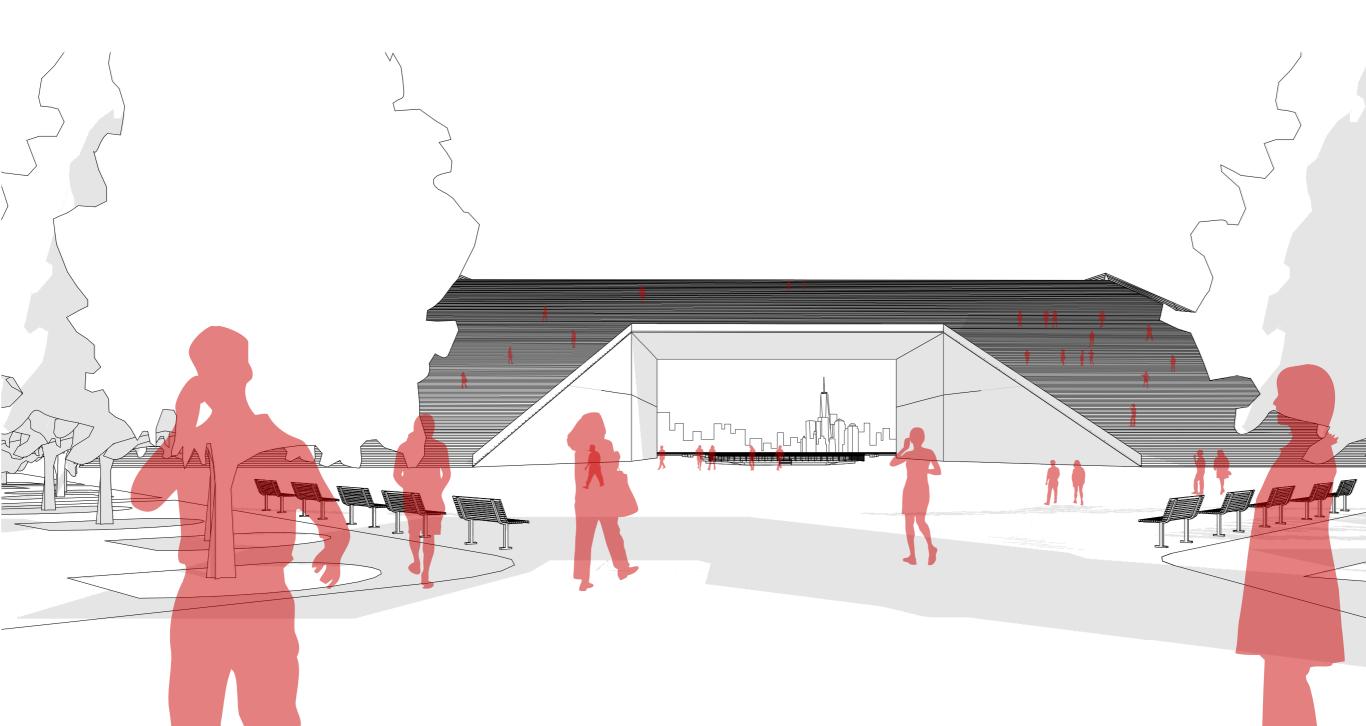








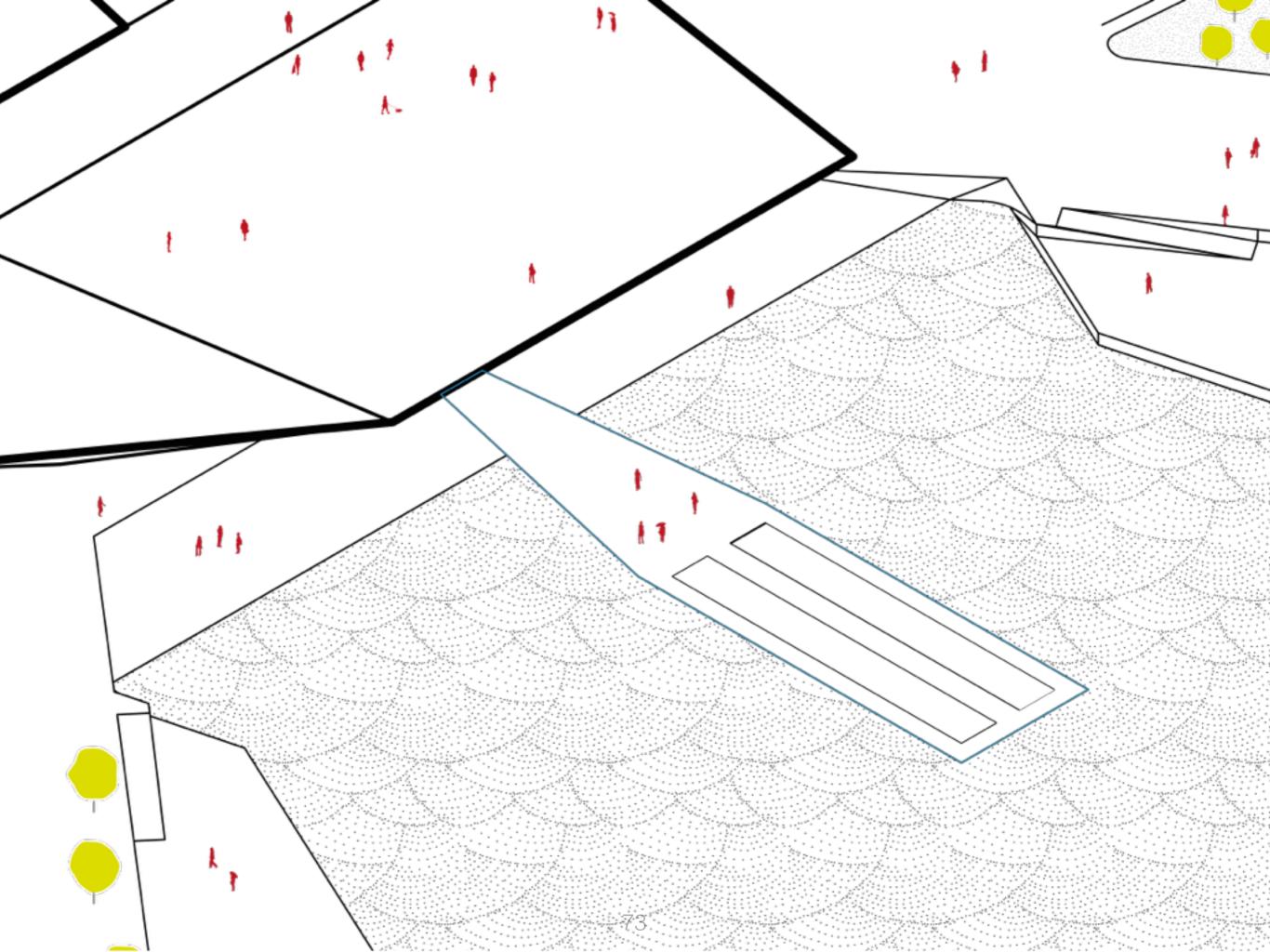


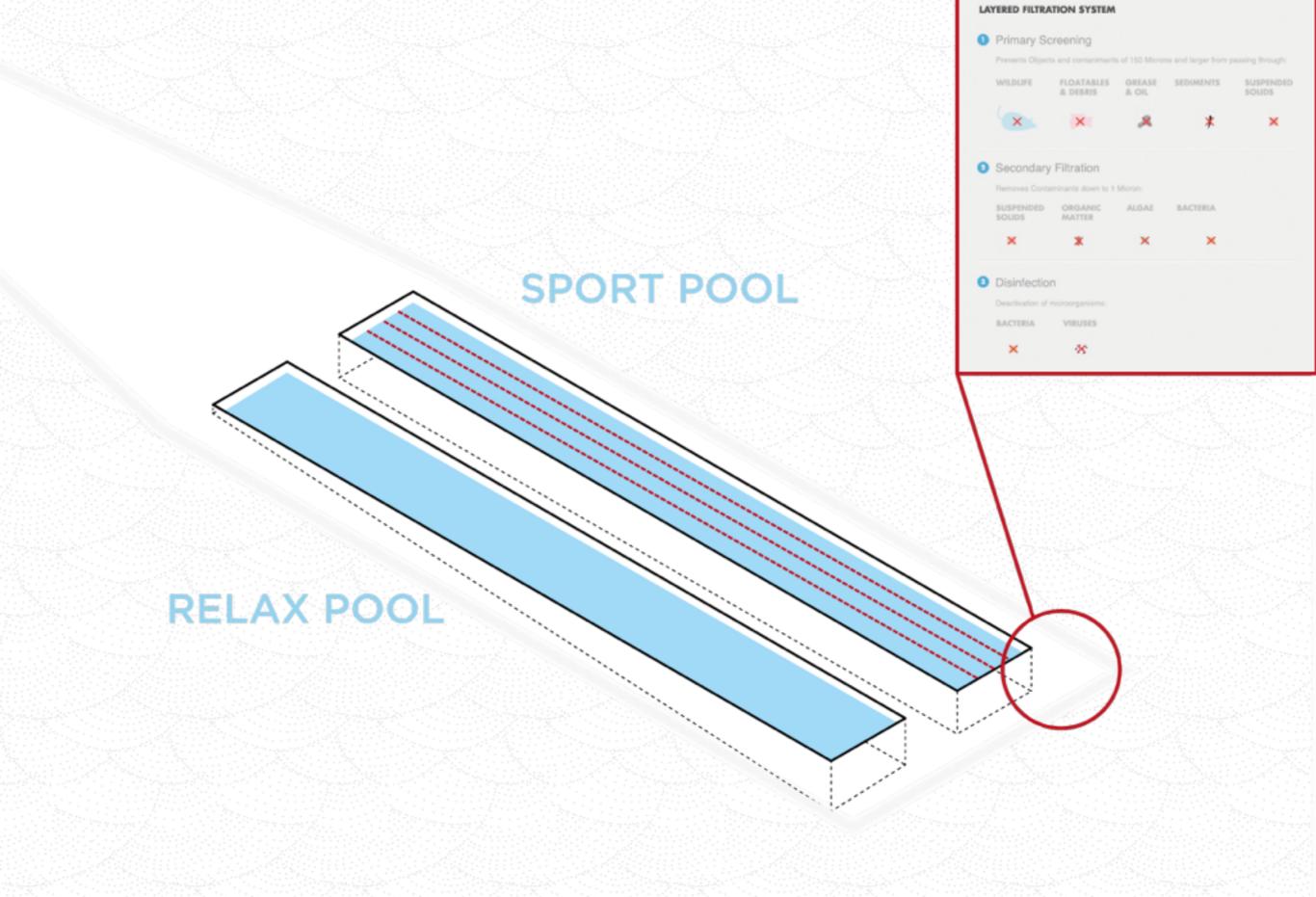


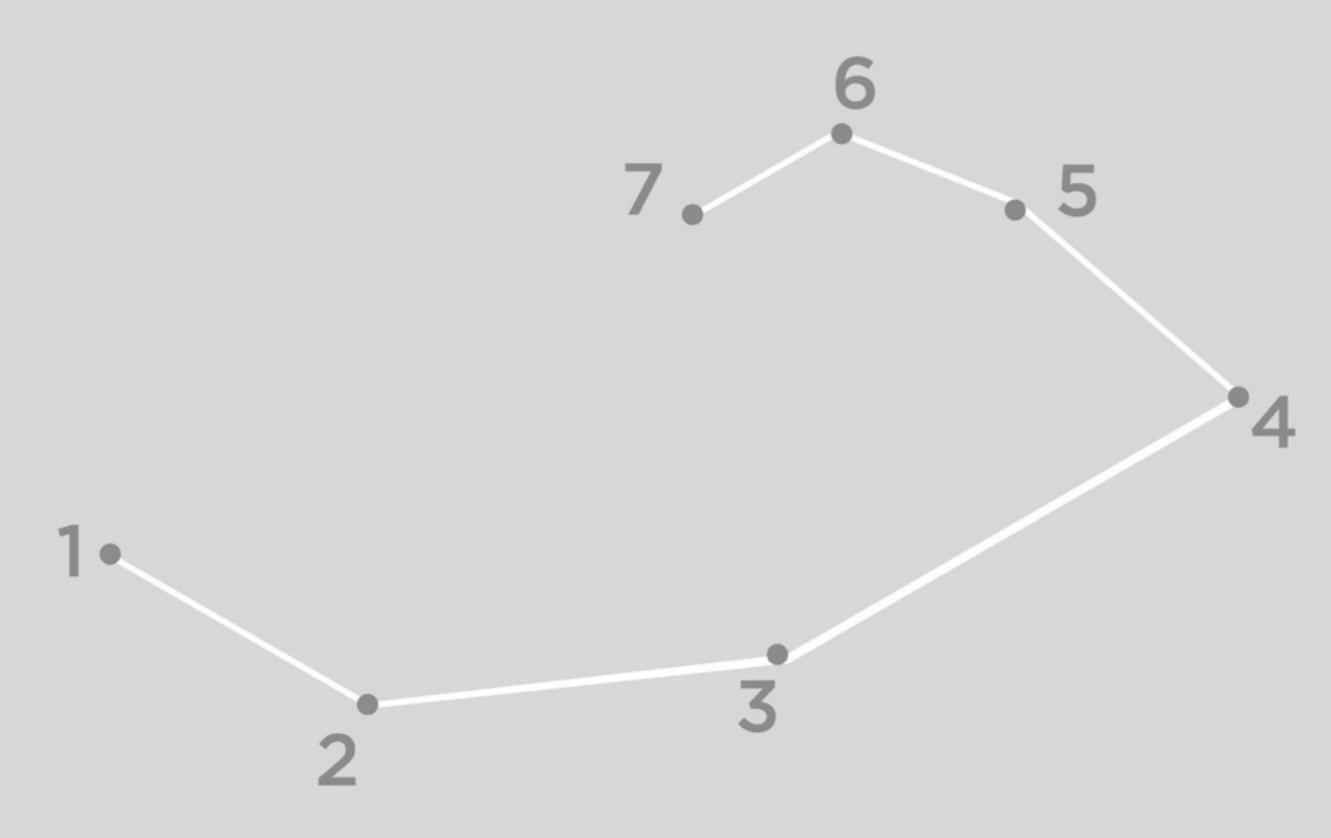












## programme

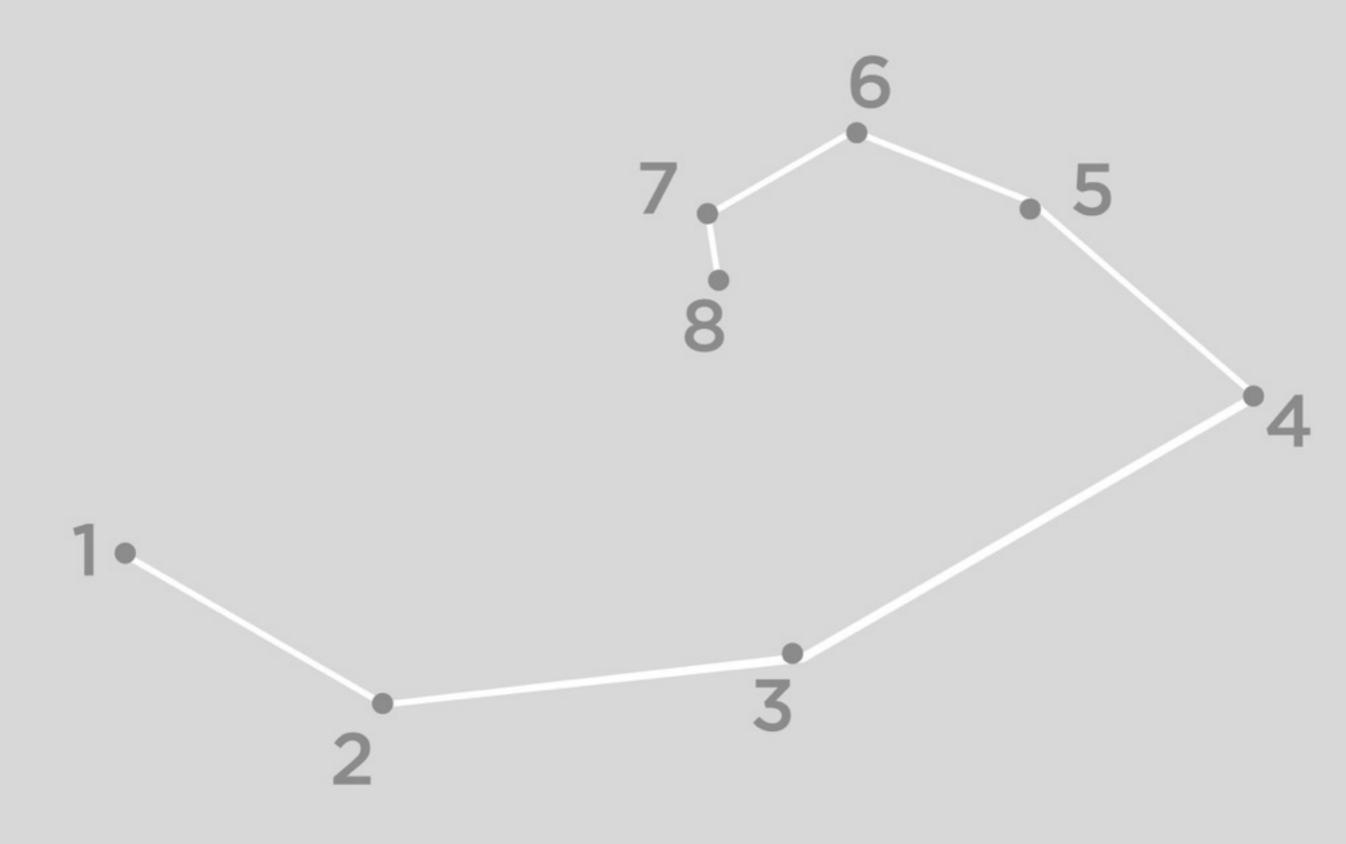
## Exhibition 9800 sqm

Hall 1600 sqm

Temporary exhibit 800 sqm Transformable space 1300 sqm Offices 1100 sqm Storage 4200 sqm

Cafè / Bar 840 sqm Restaurants 1250 sqm Parking 9600 sqm

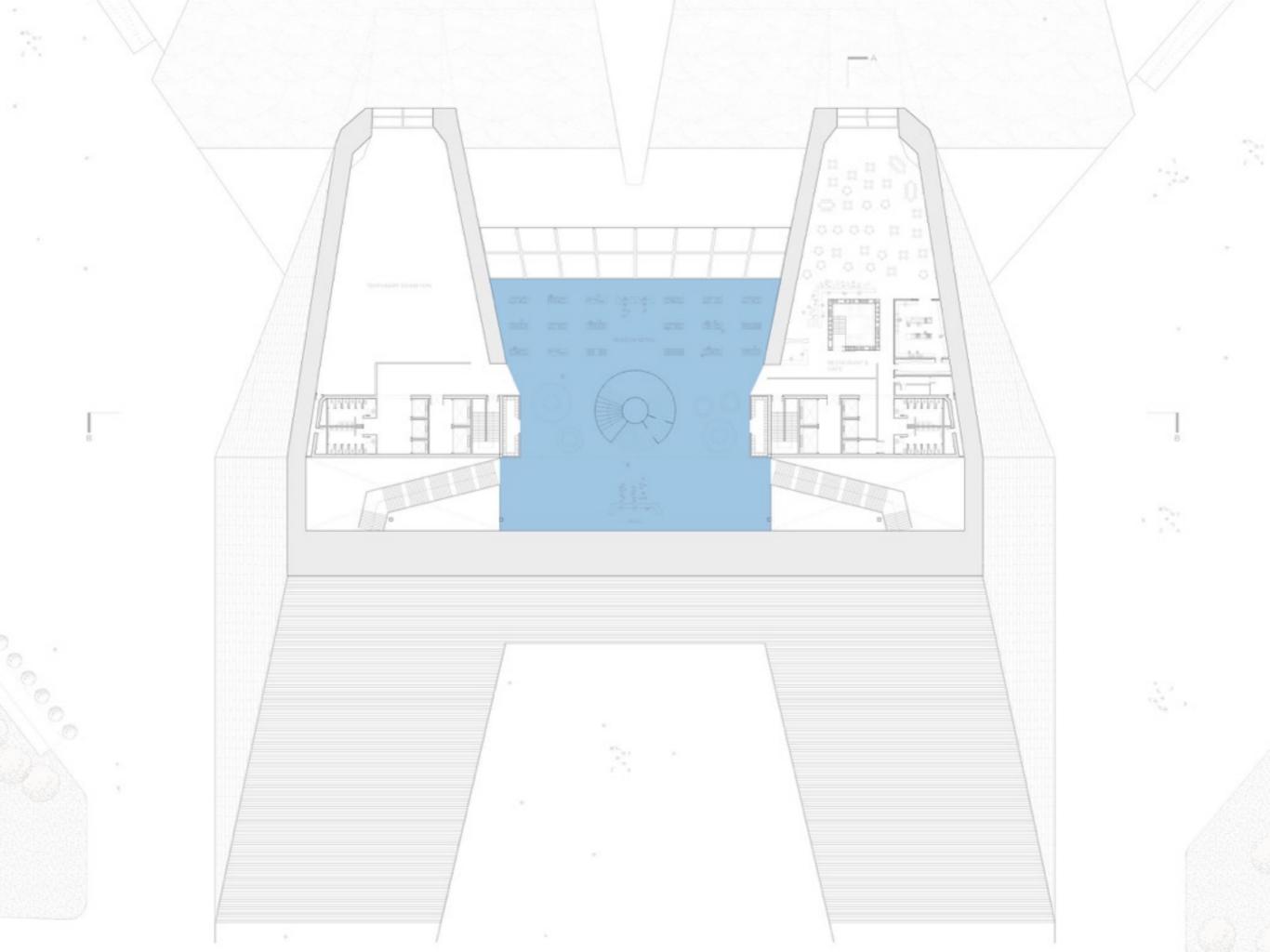
	Morning	Lunch	Afternoon	Dinner	Night
Restaurants					
Cafè					
Offices					
Museum					
Parking					



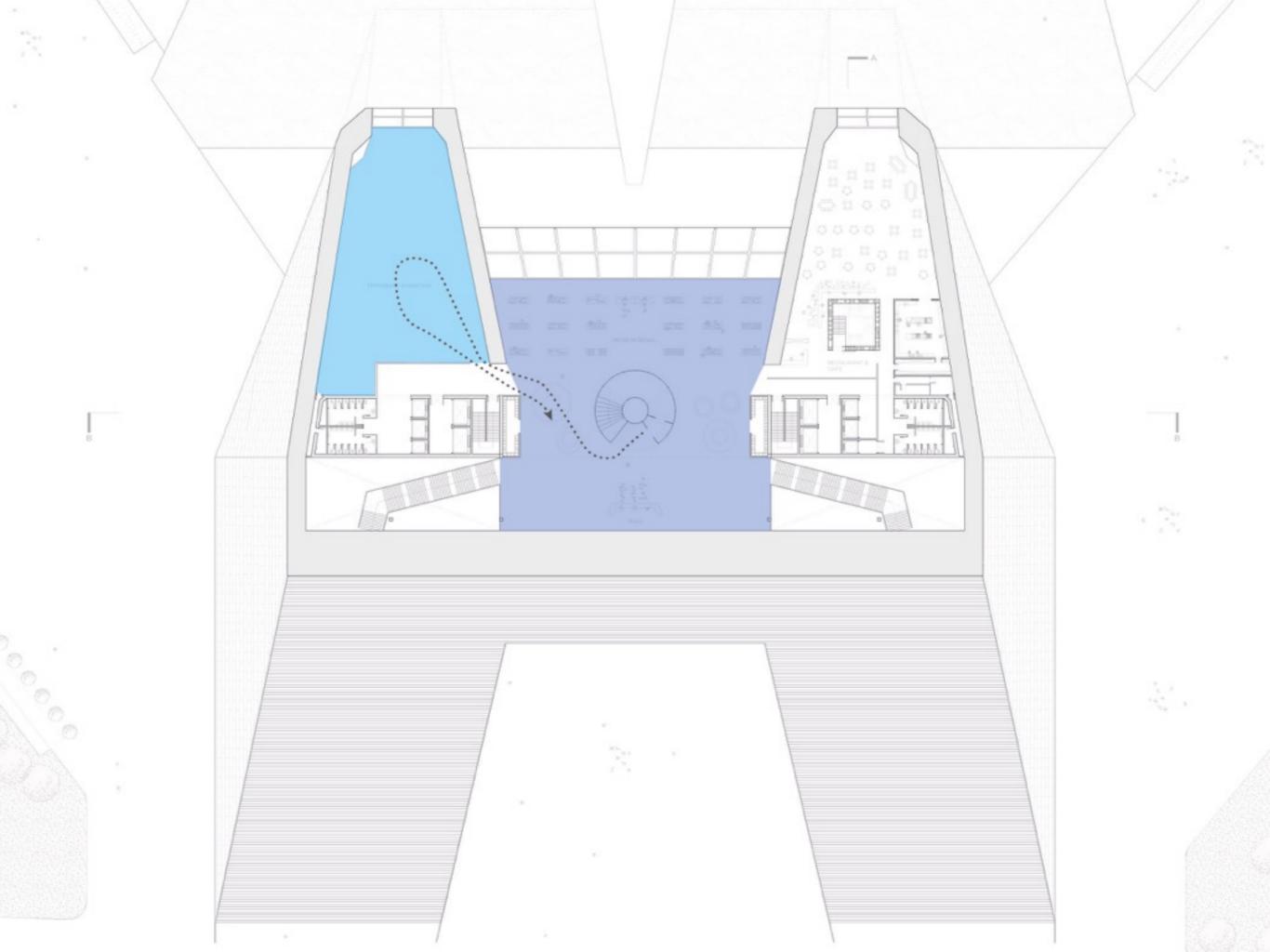
programme positioning & routing

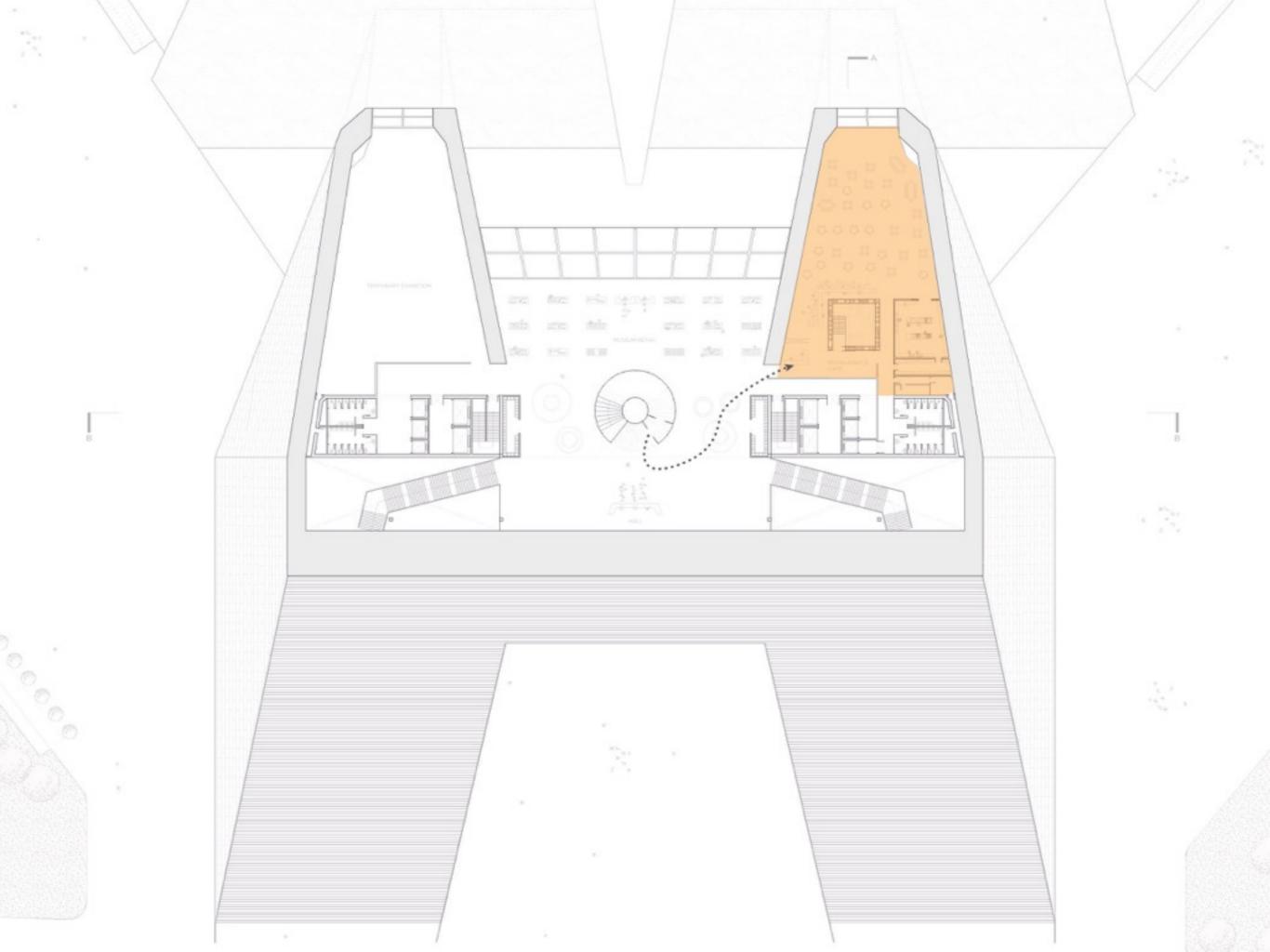


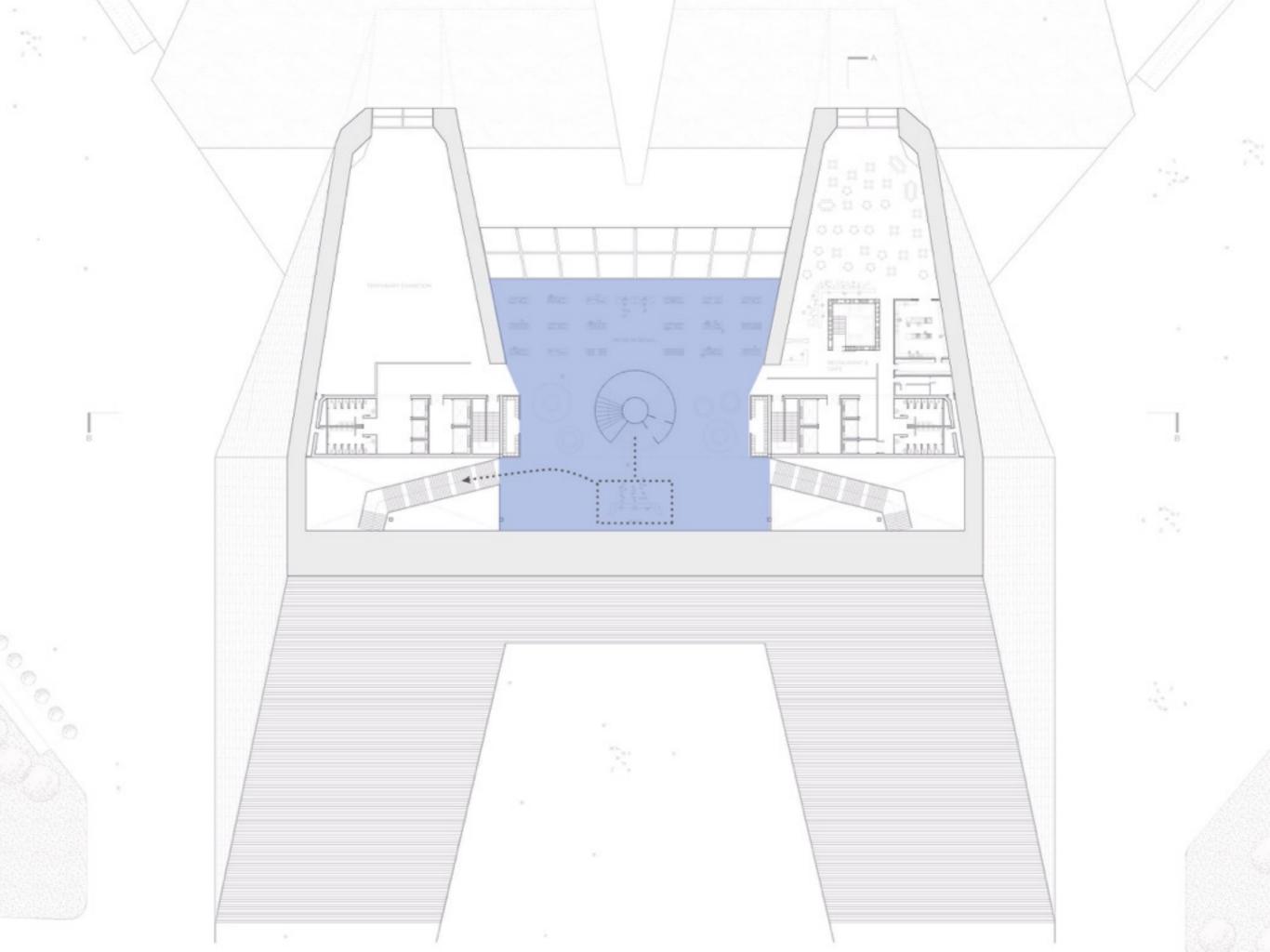




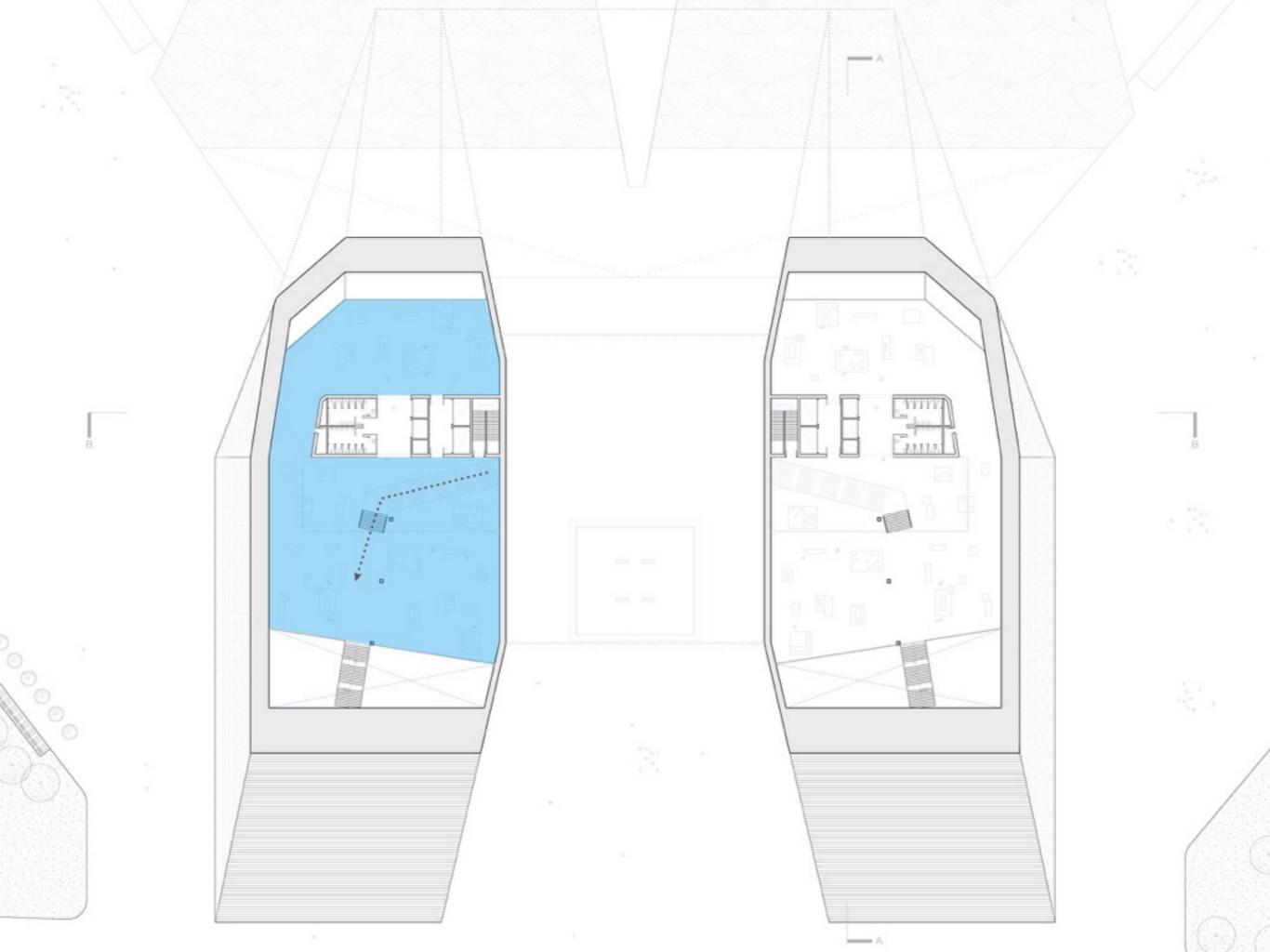


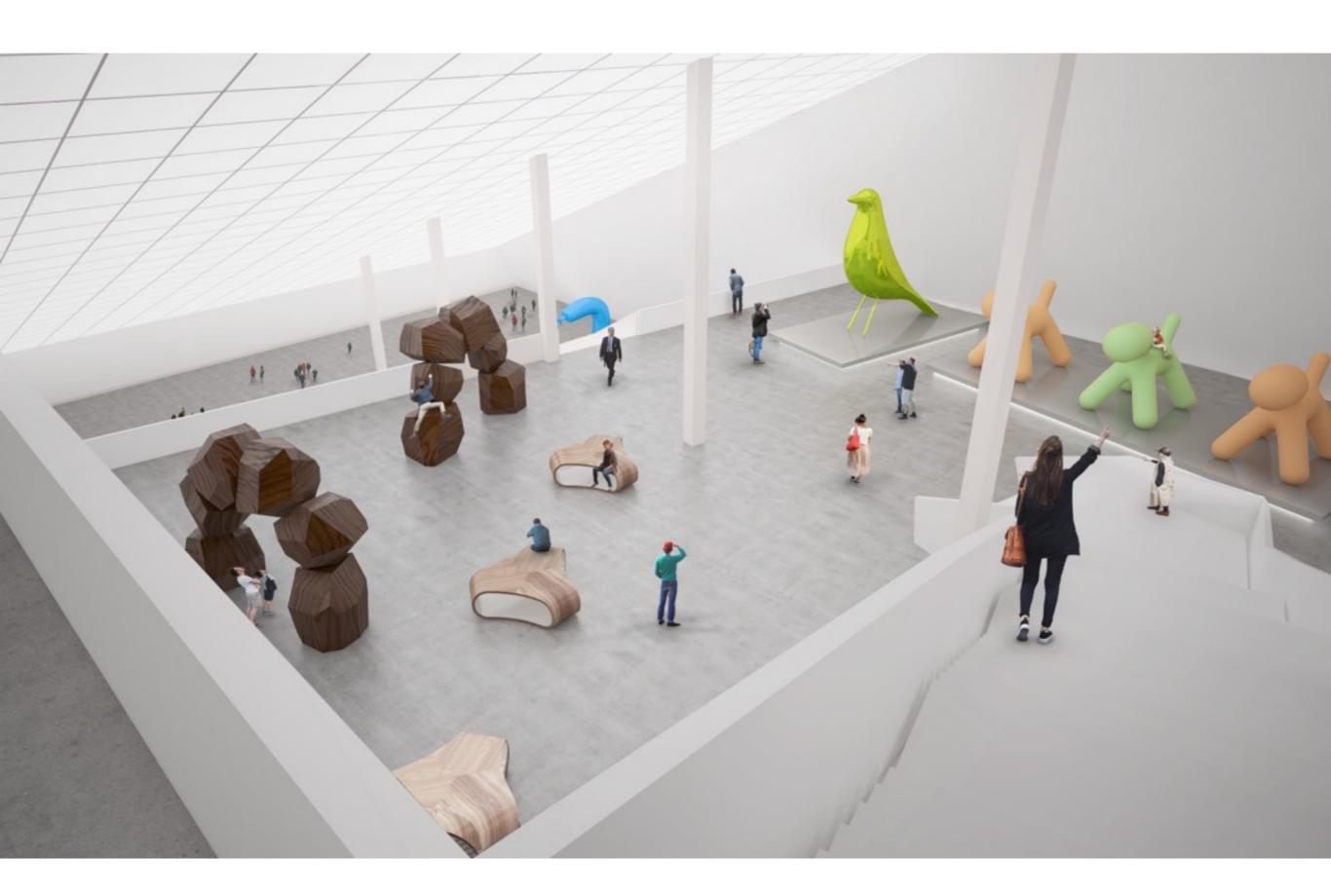


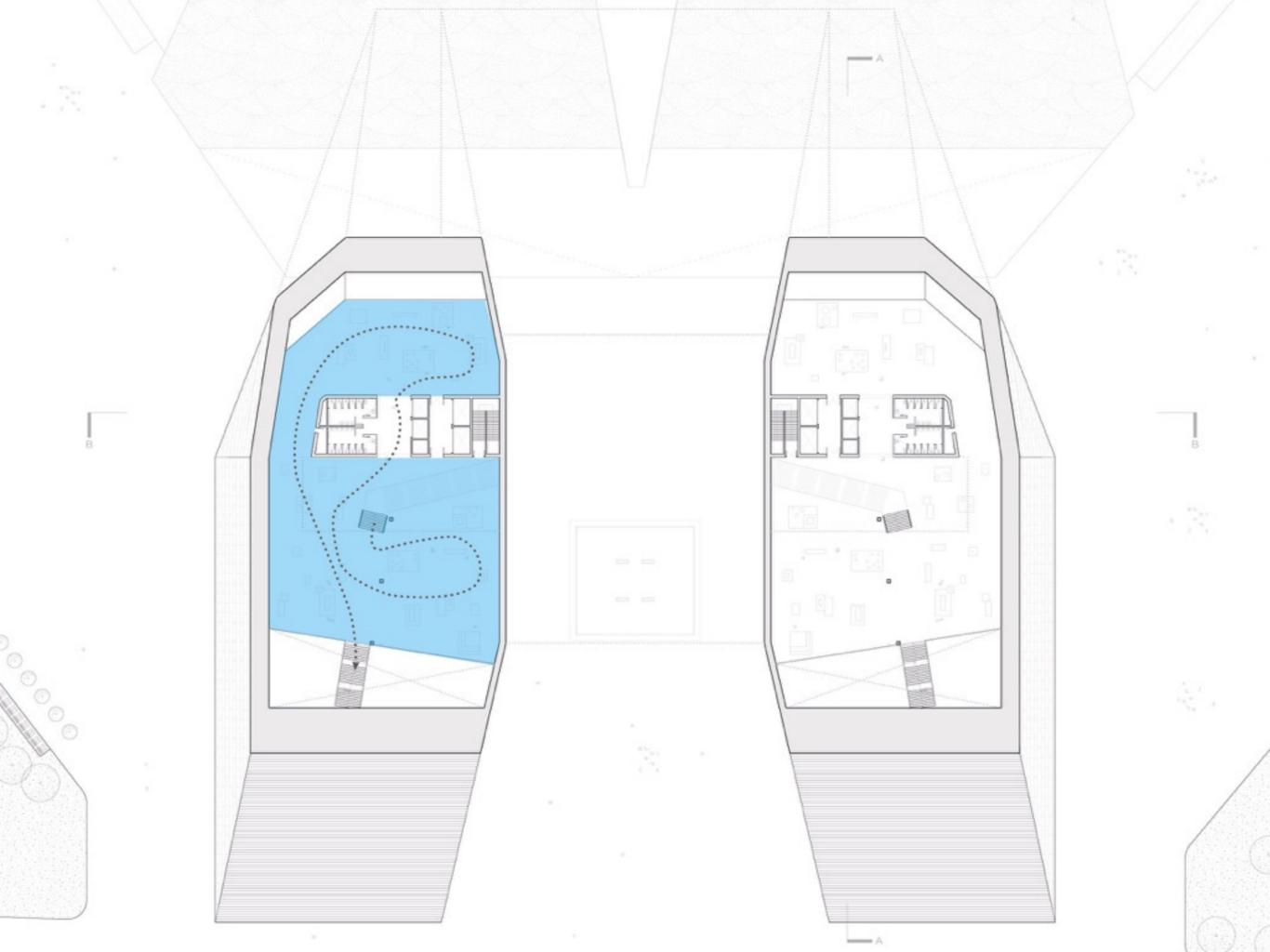


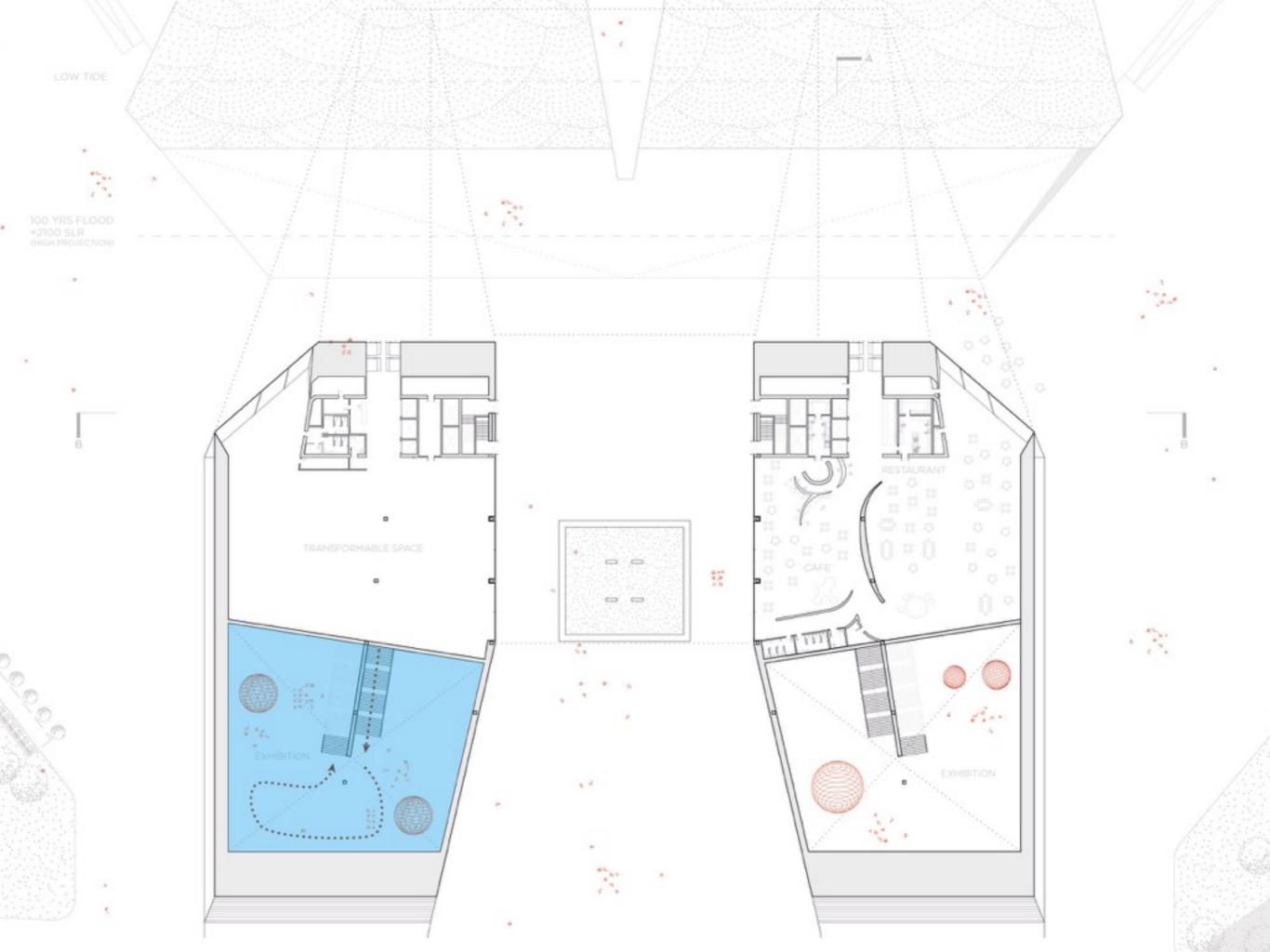




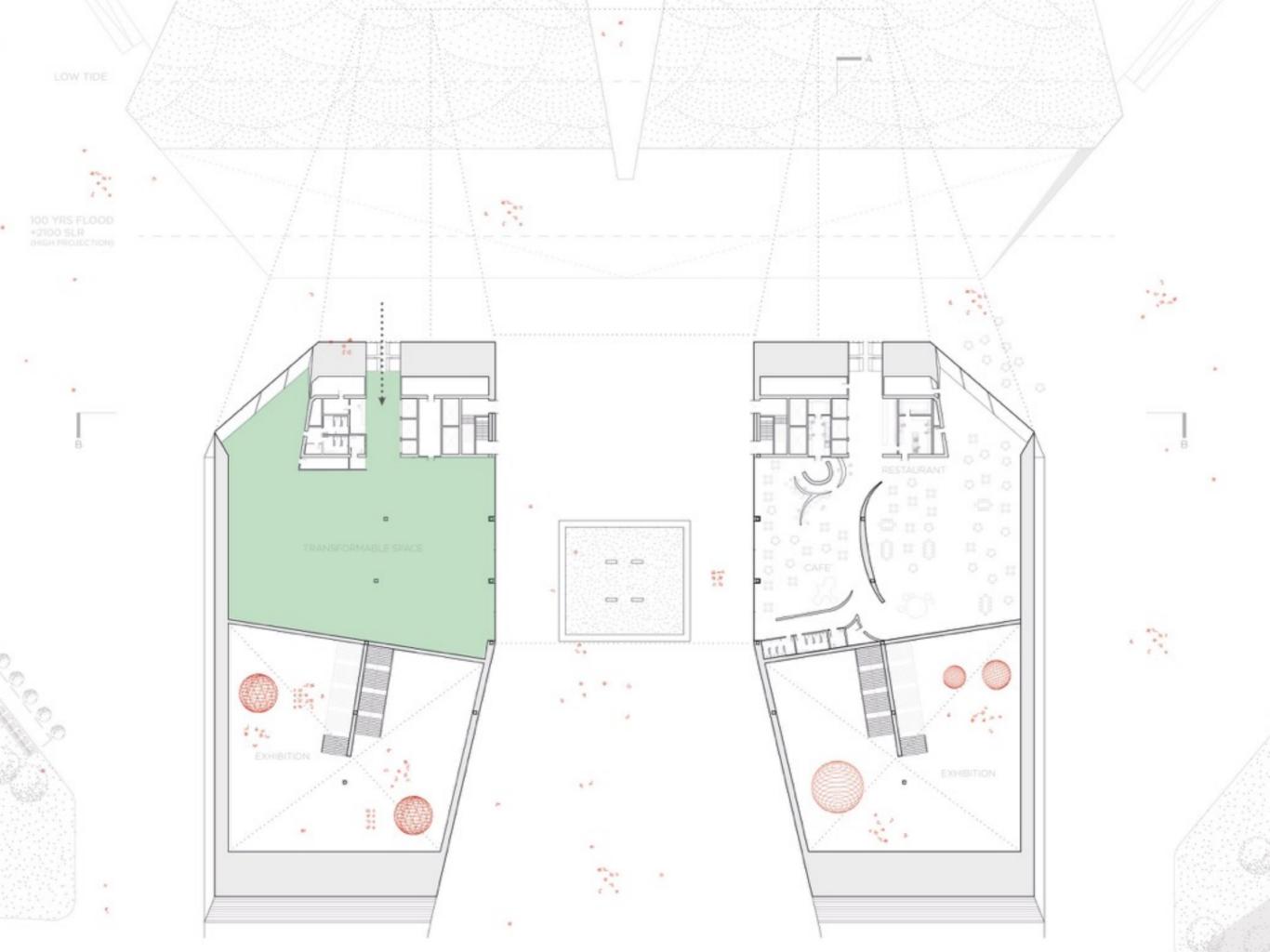




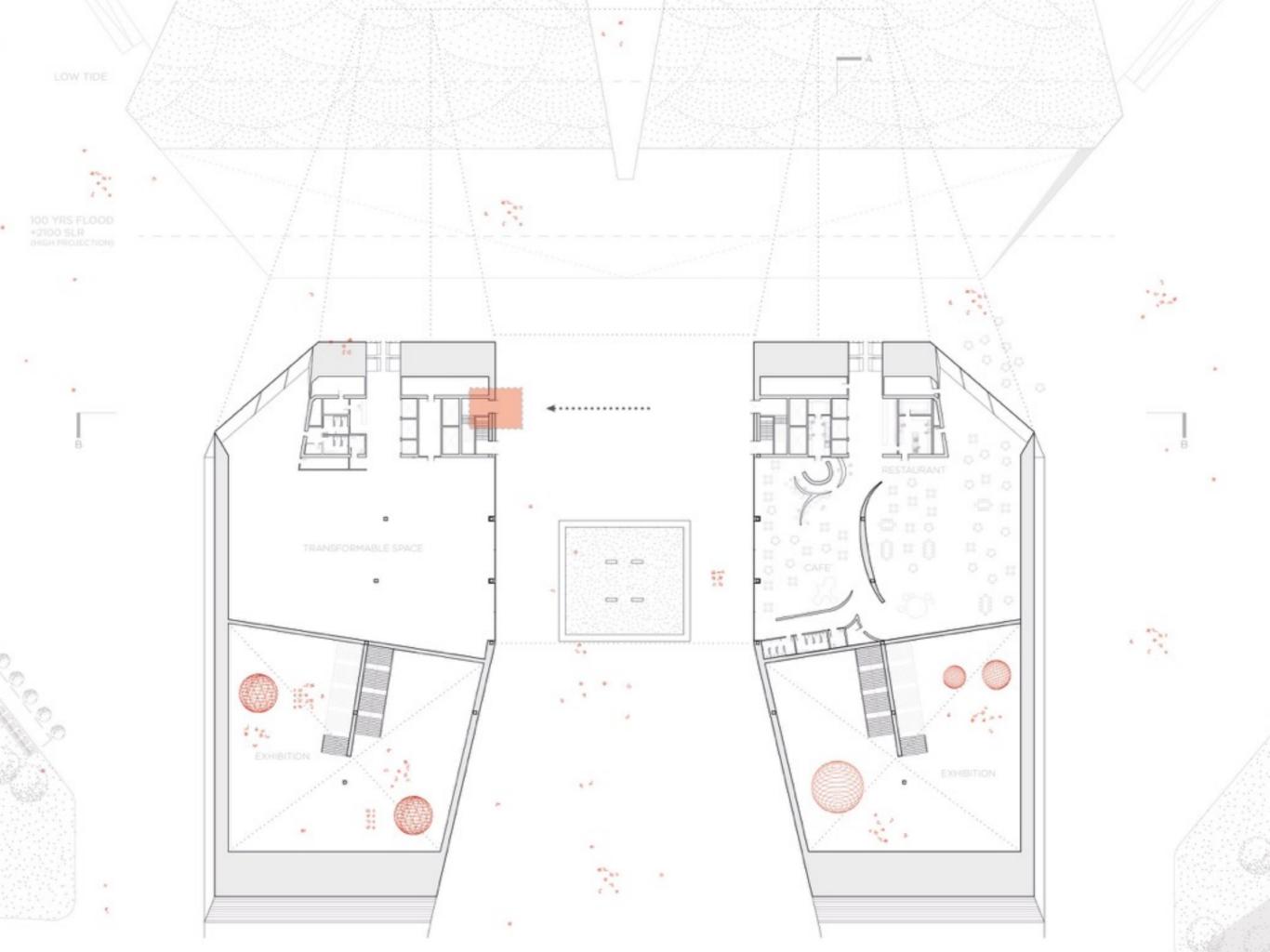


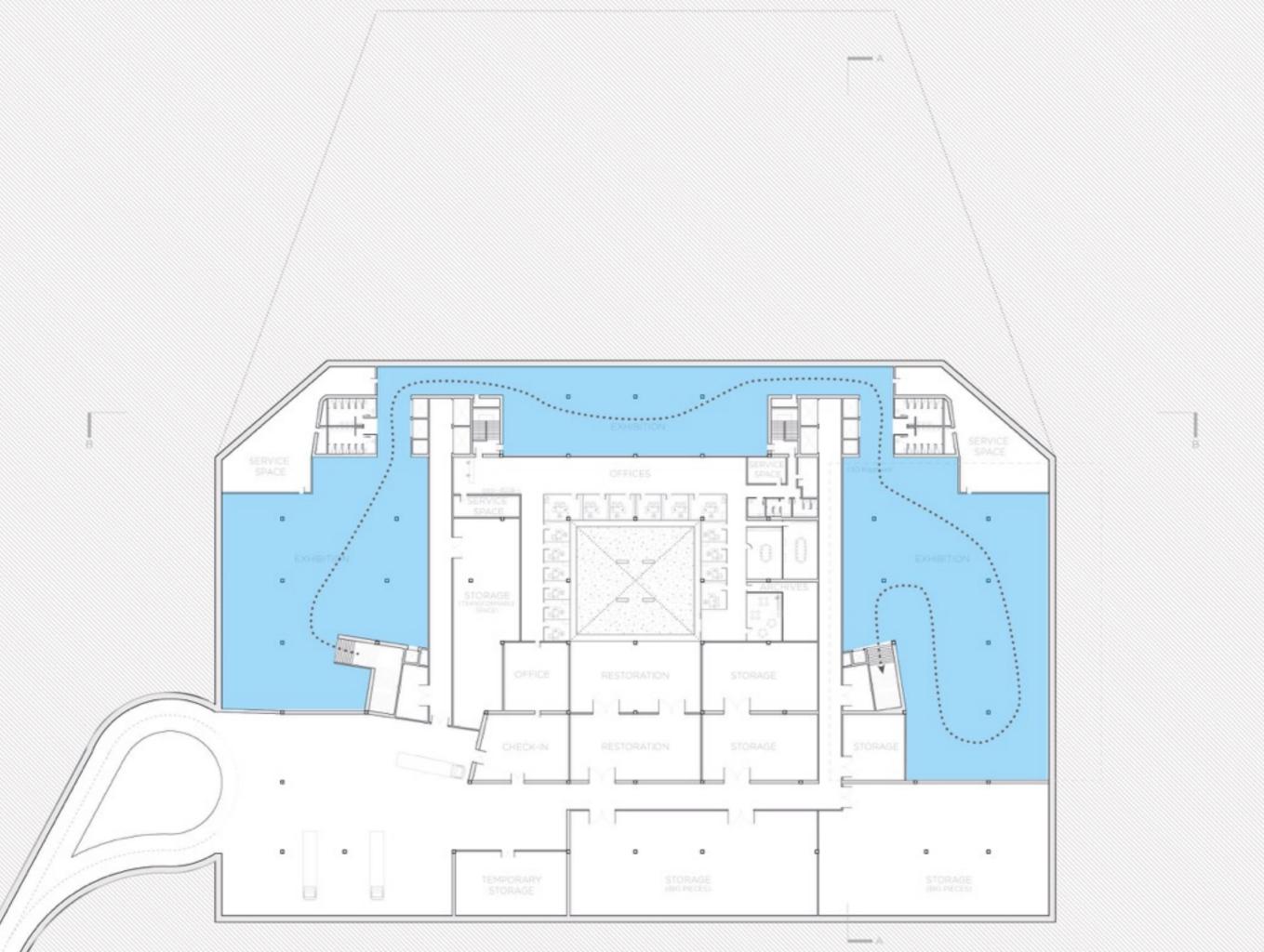


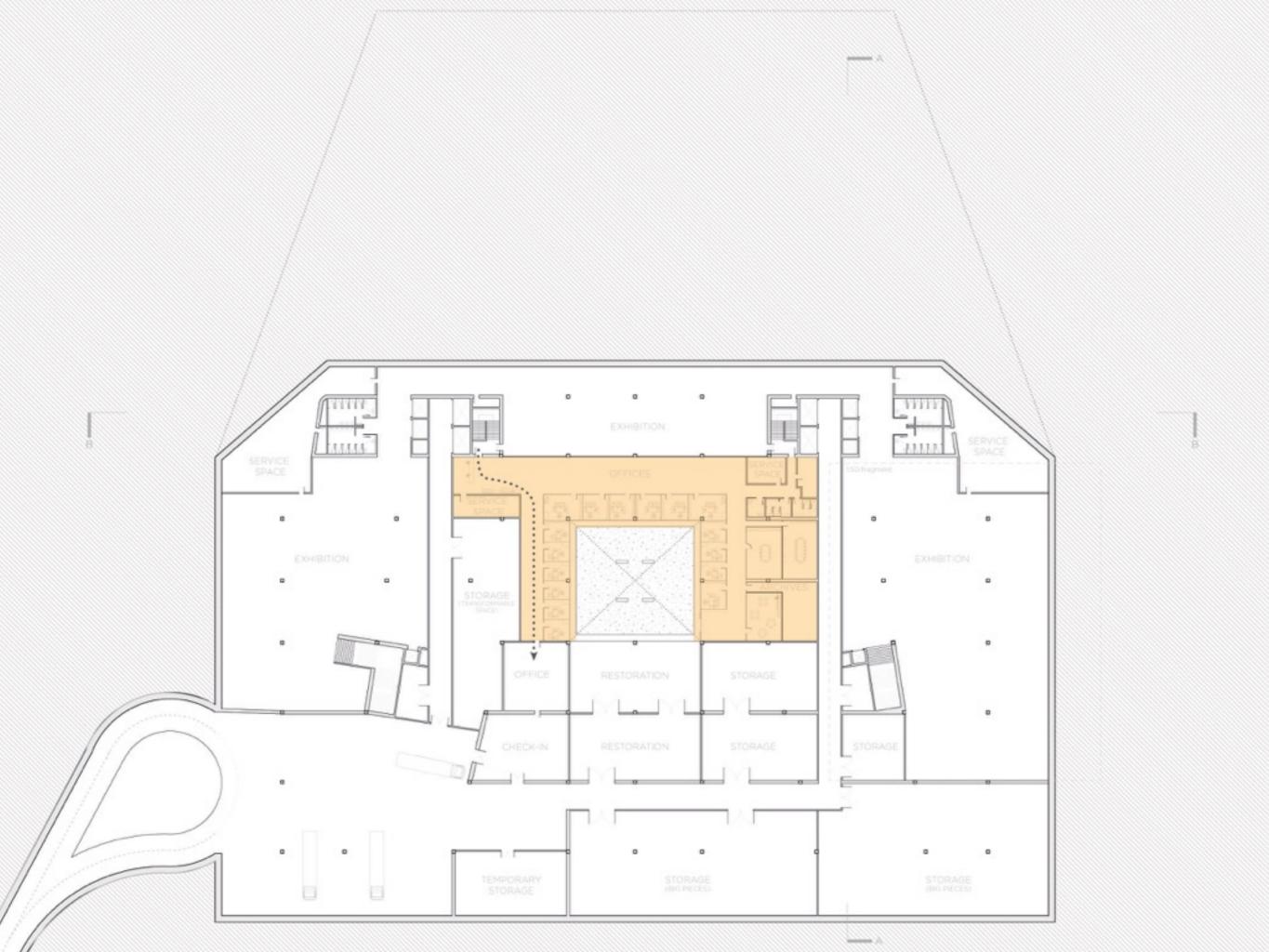


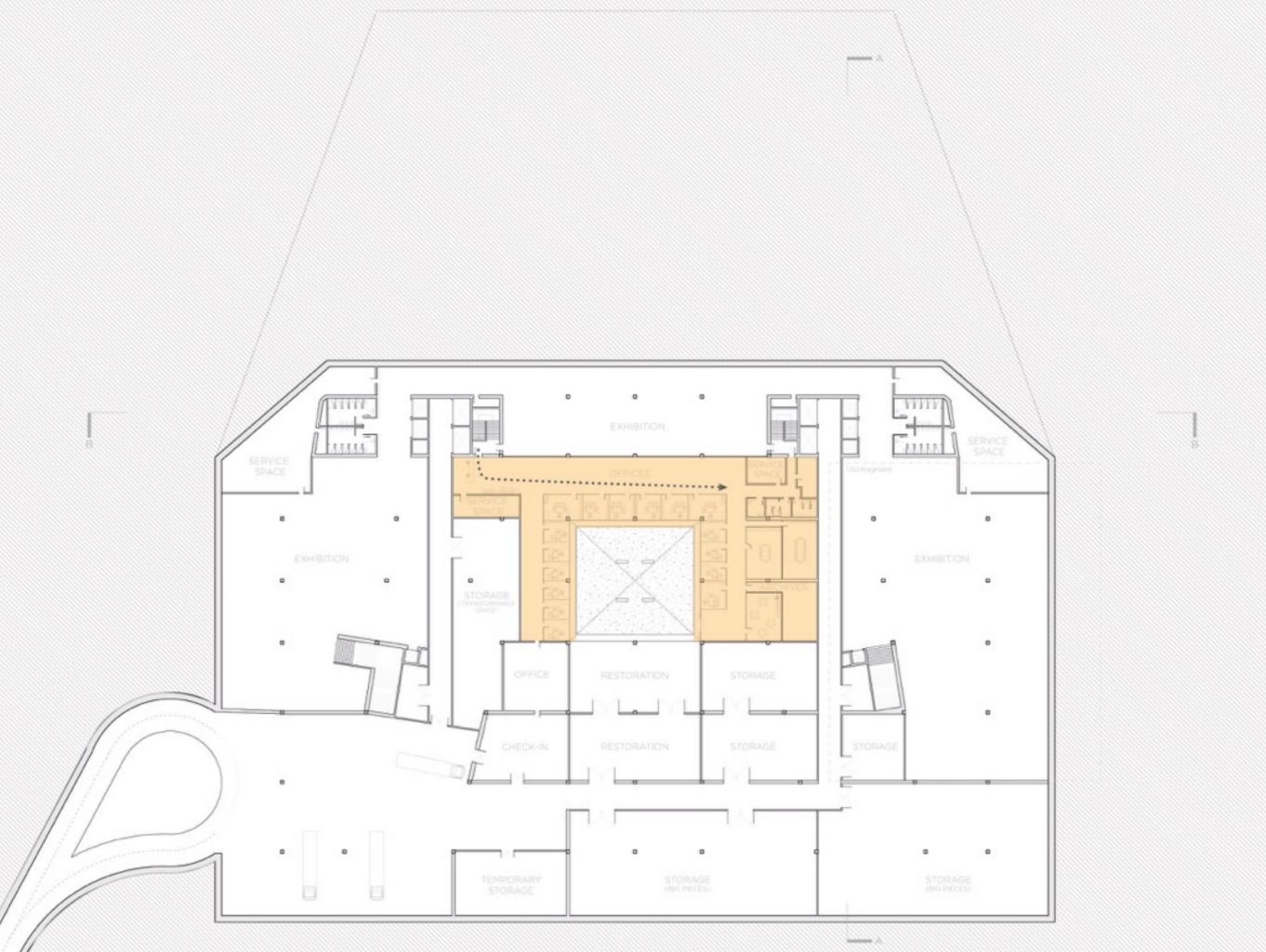


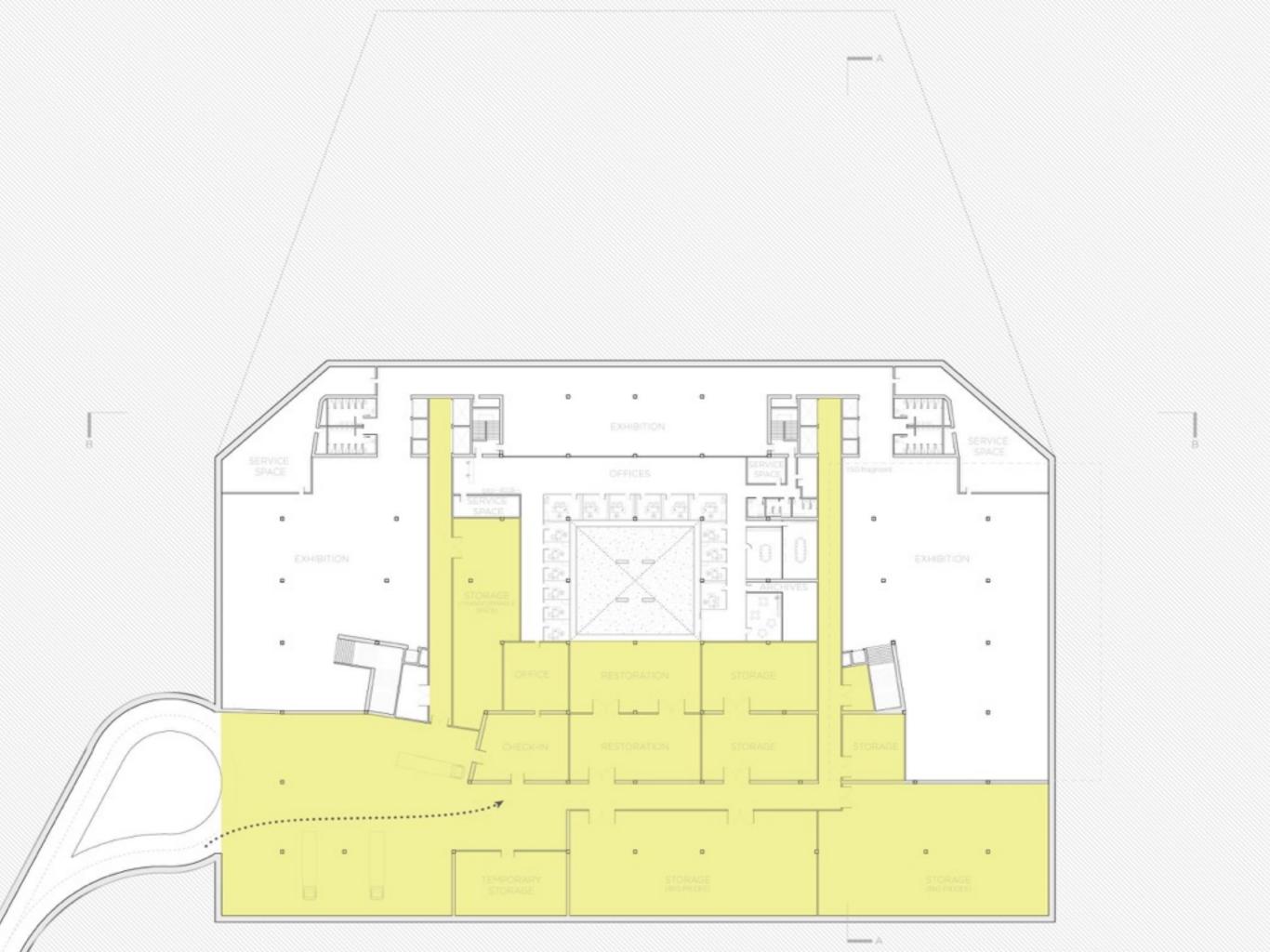


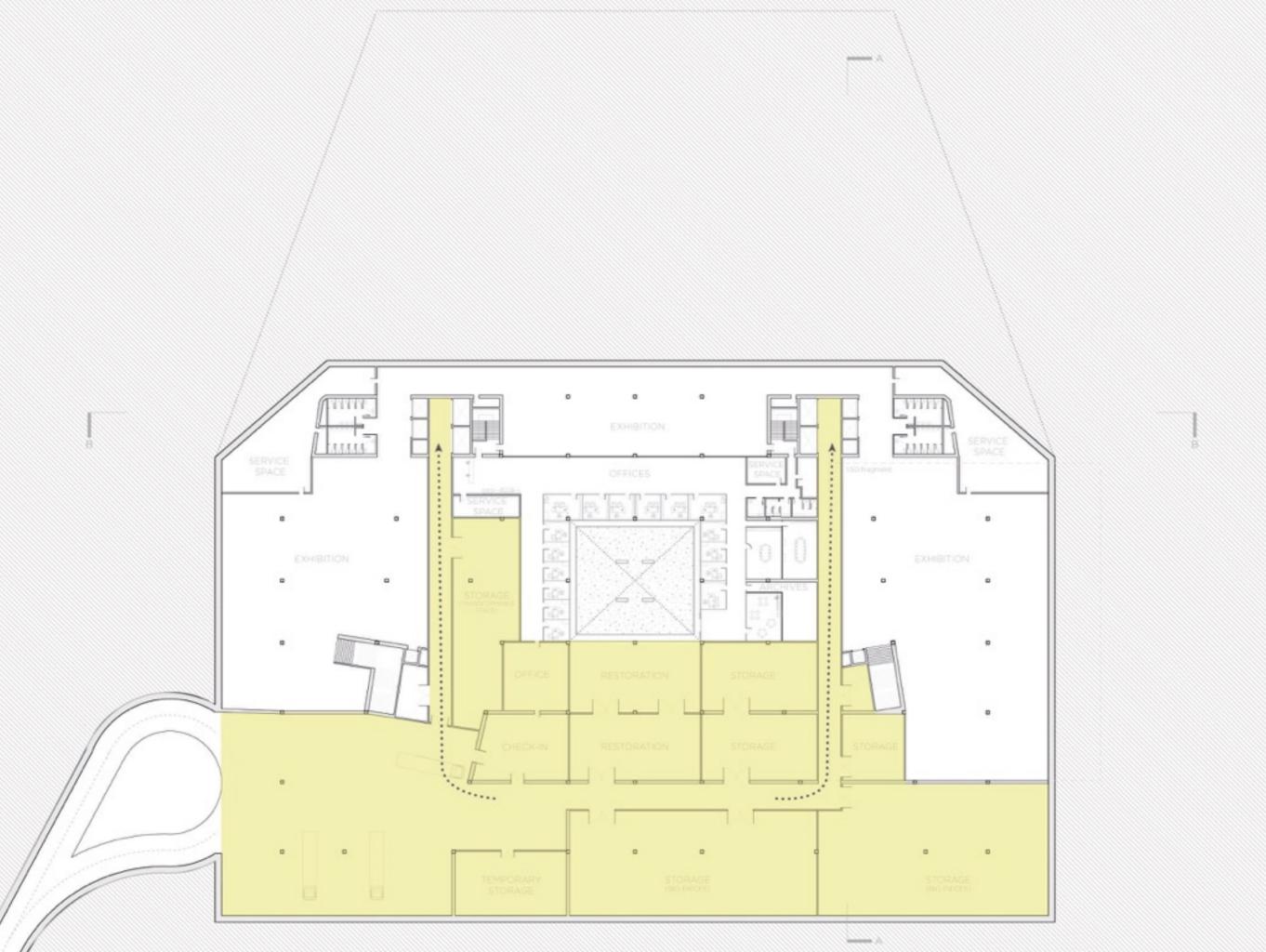


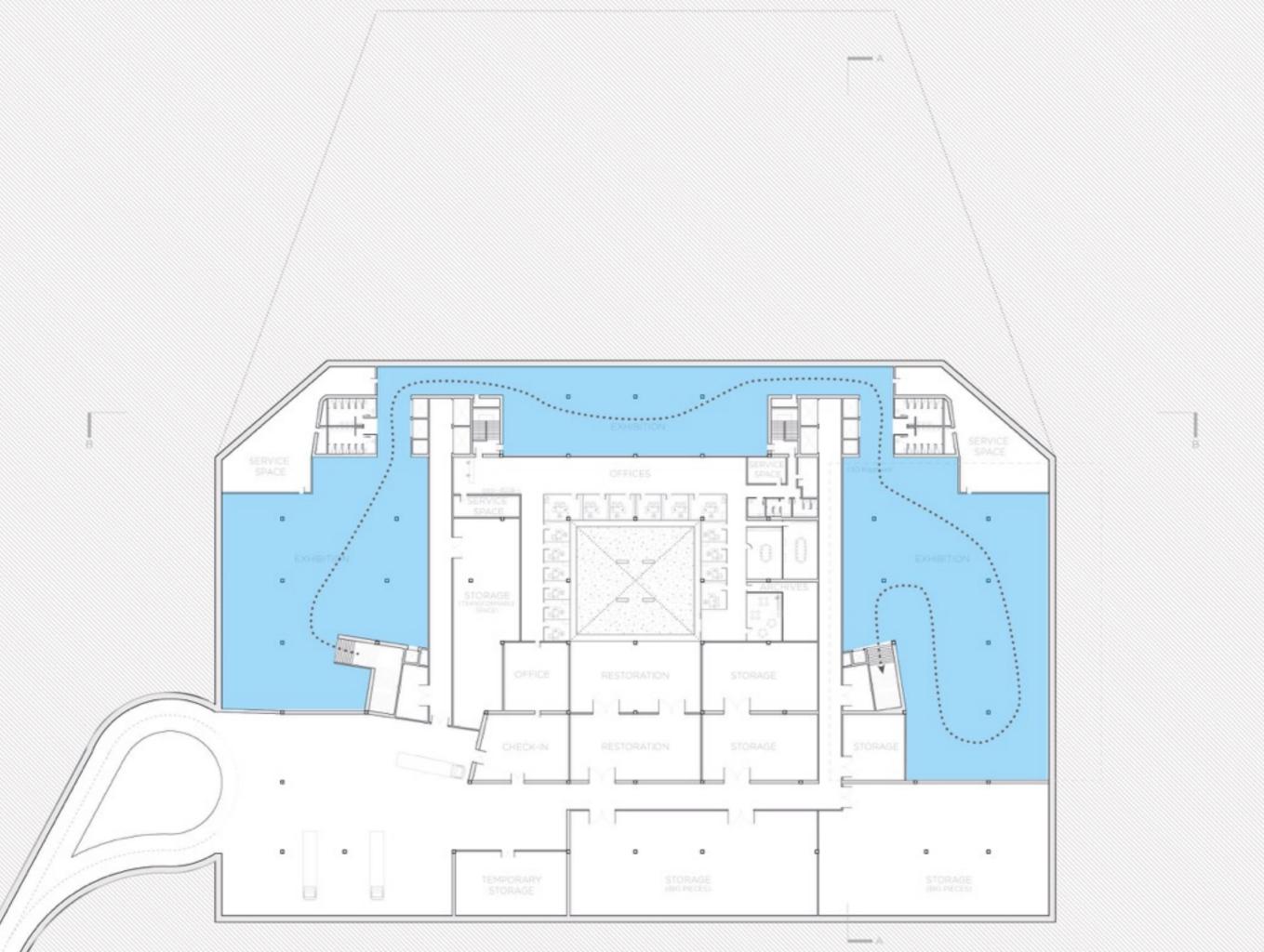


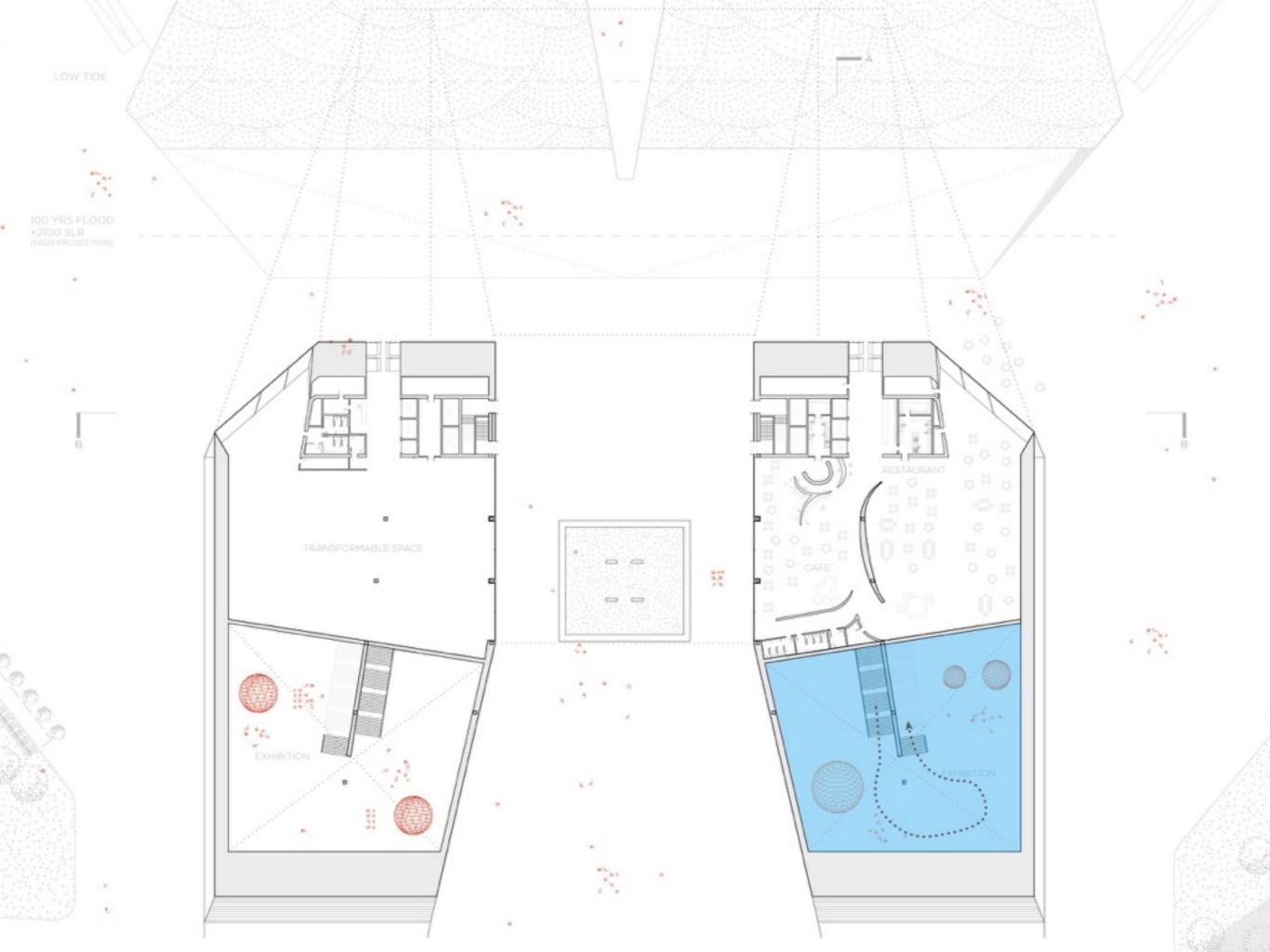




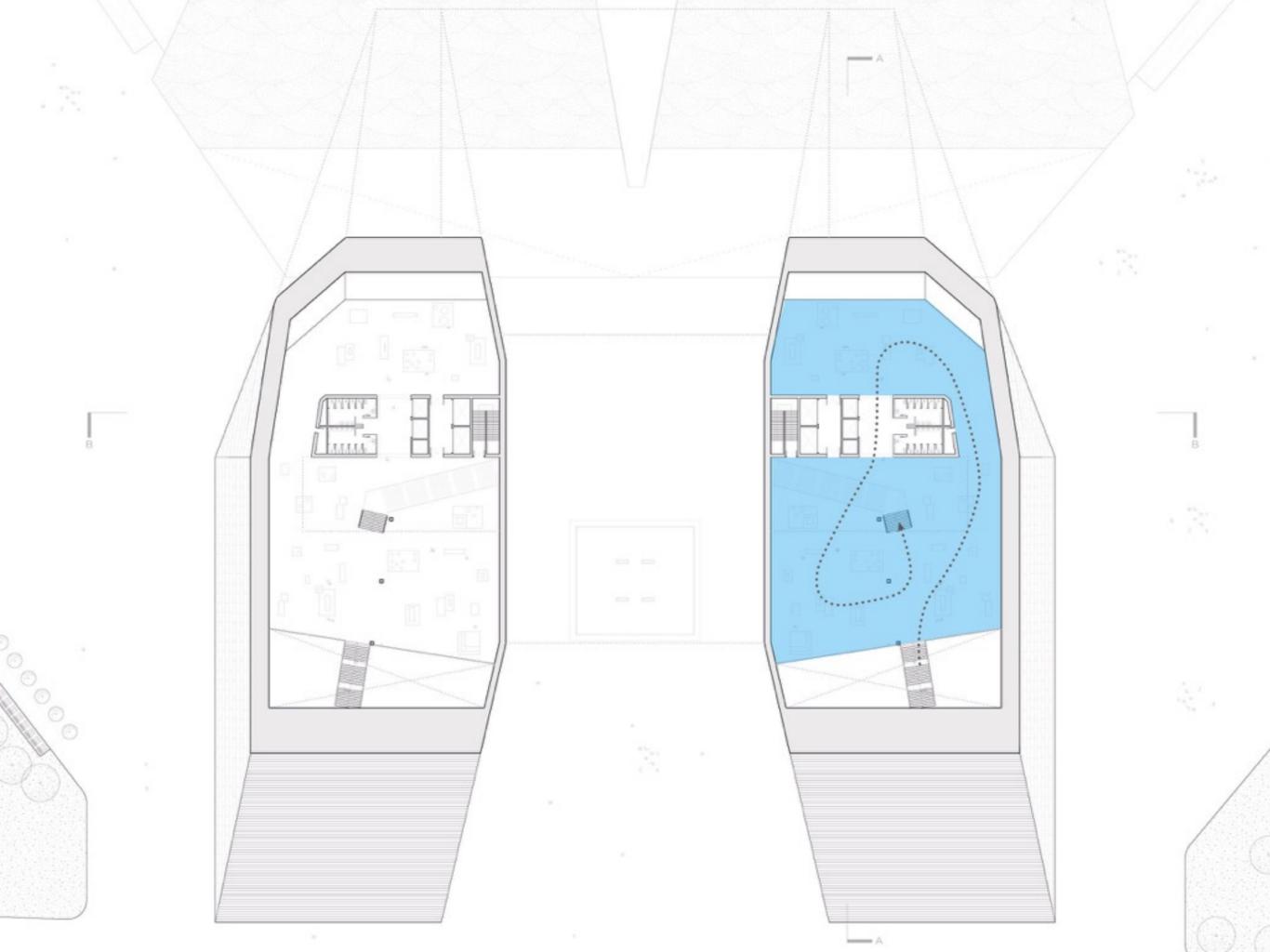


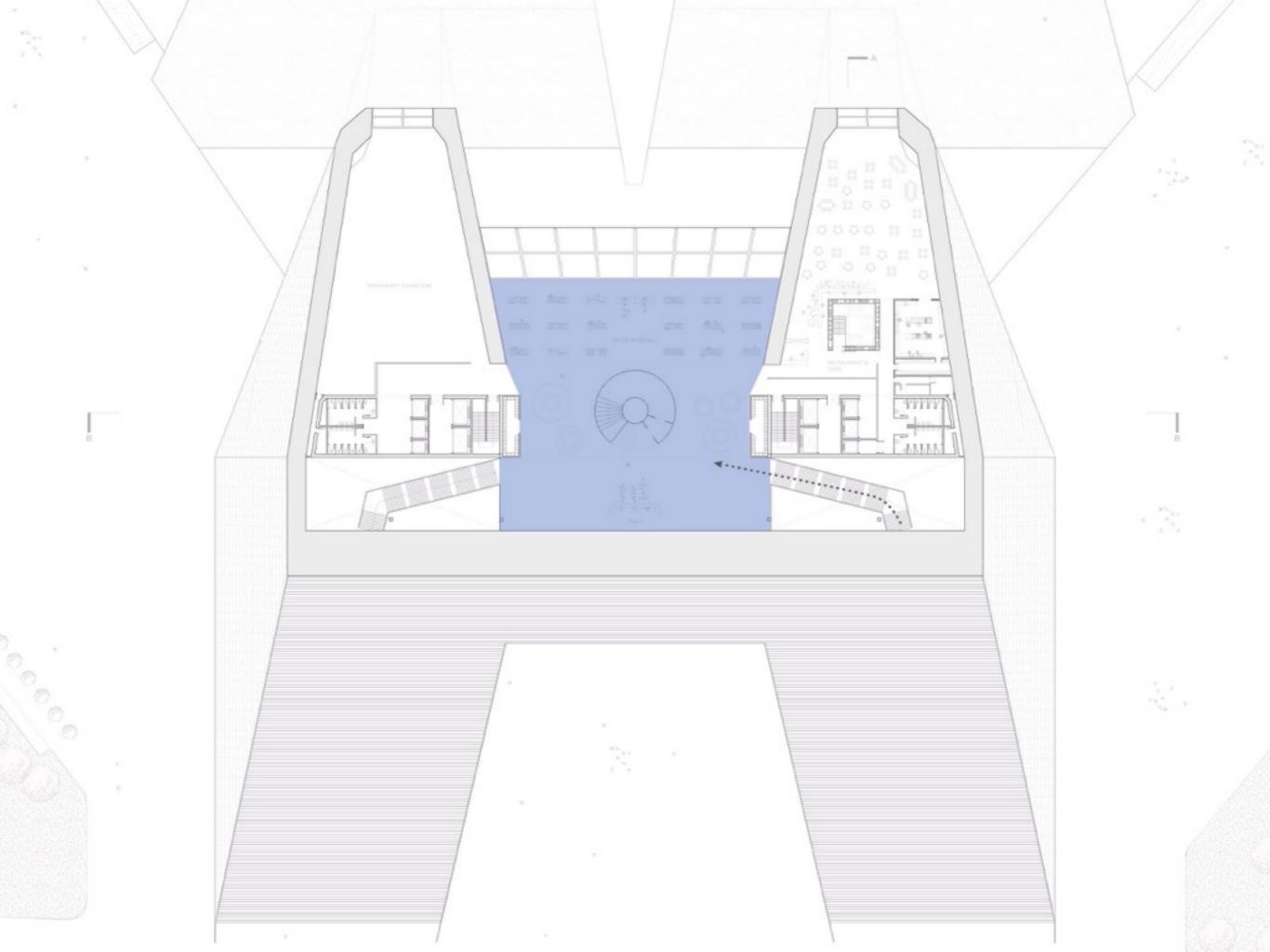


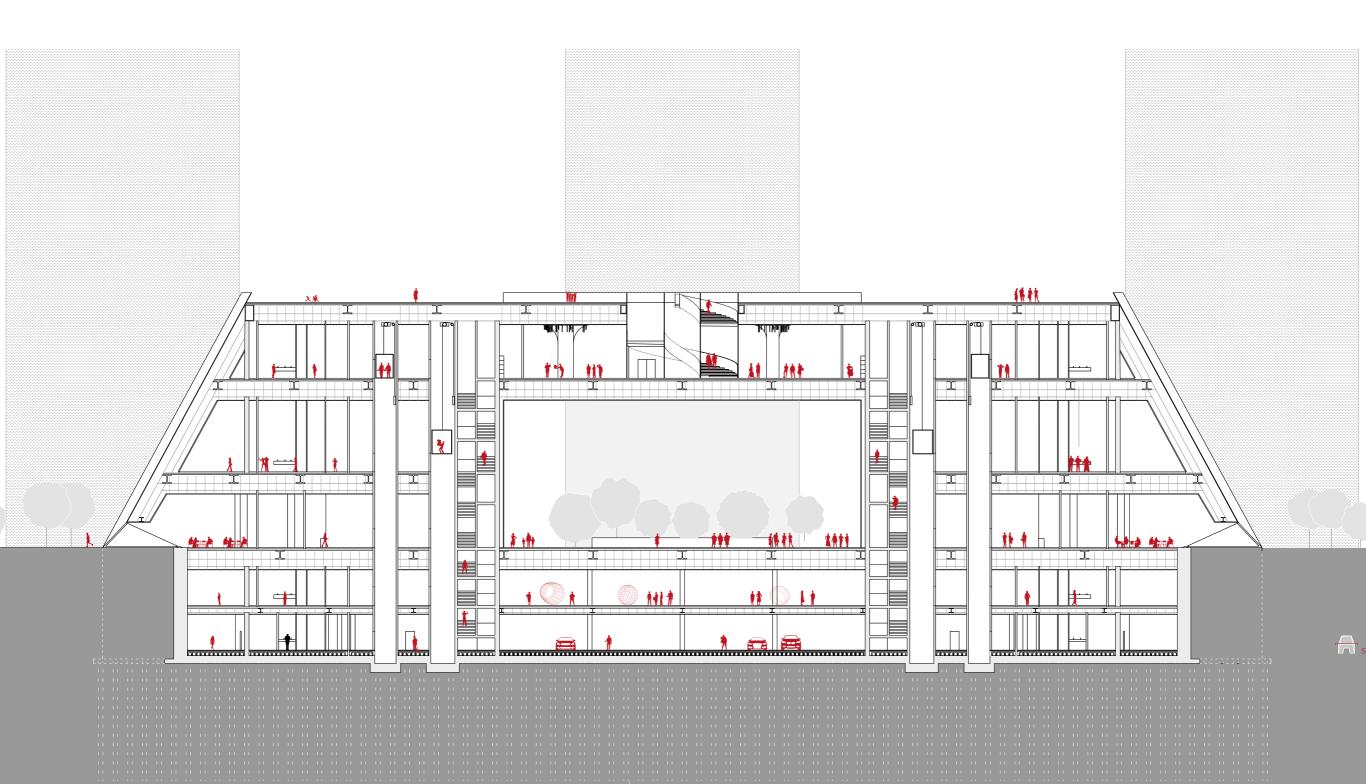




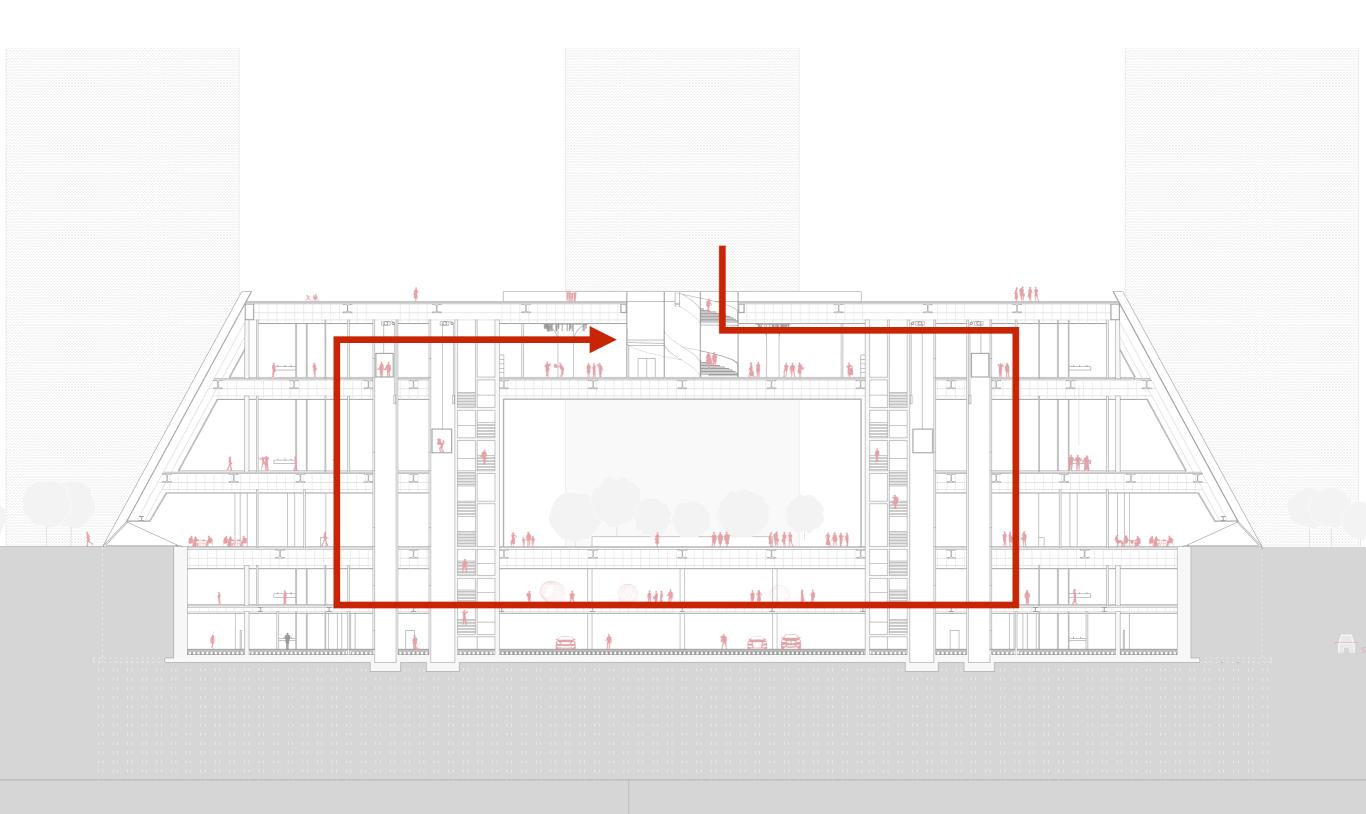




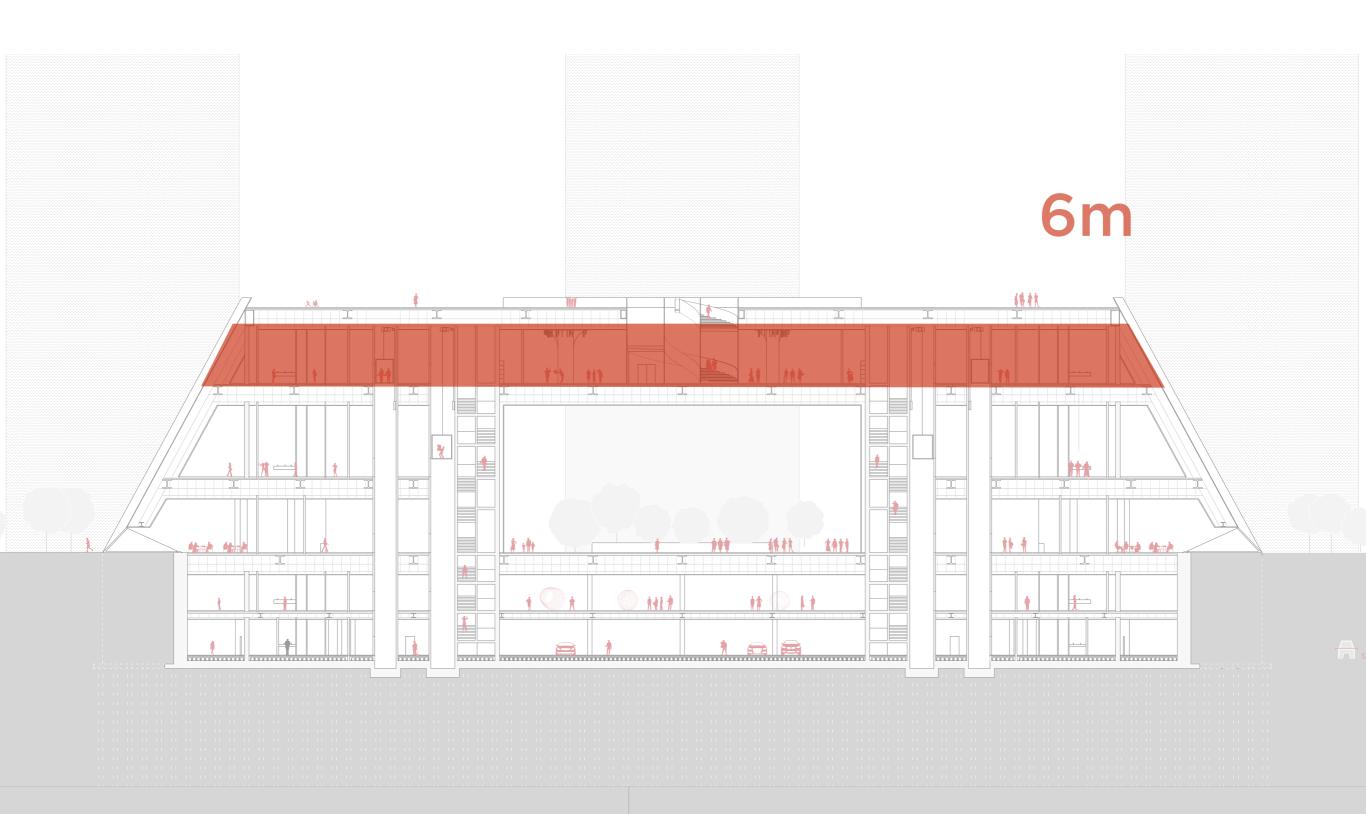




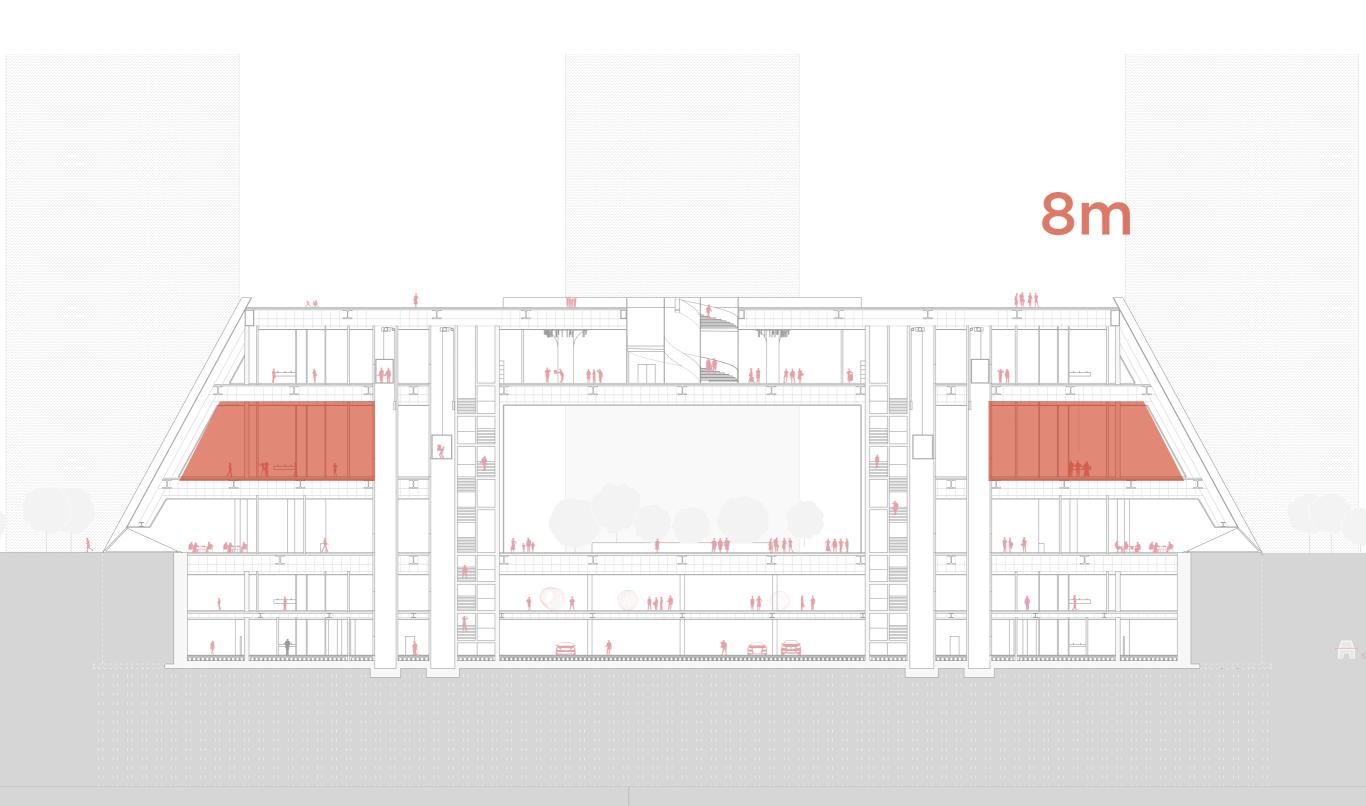




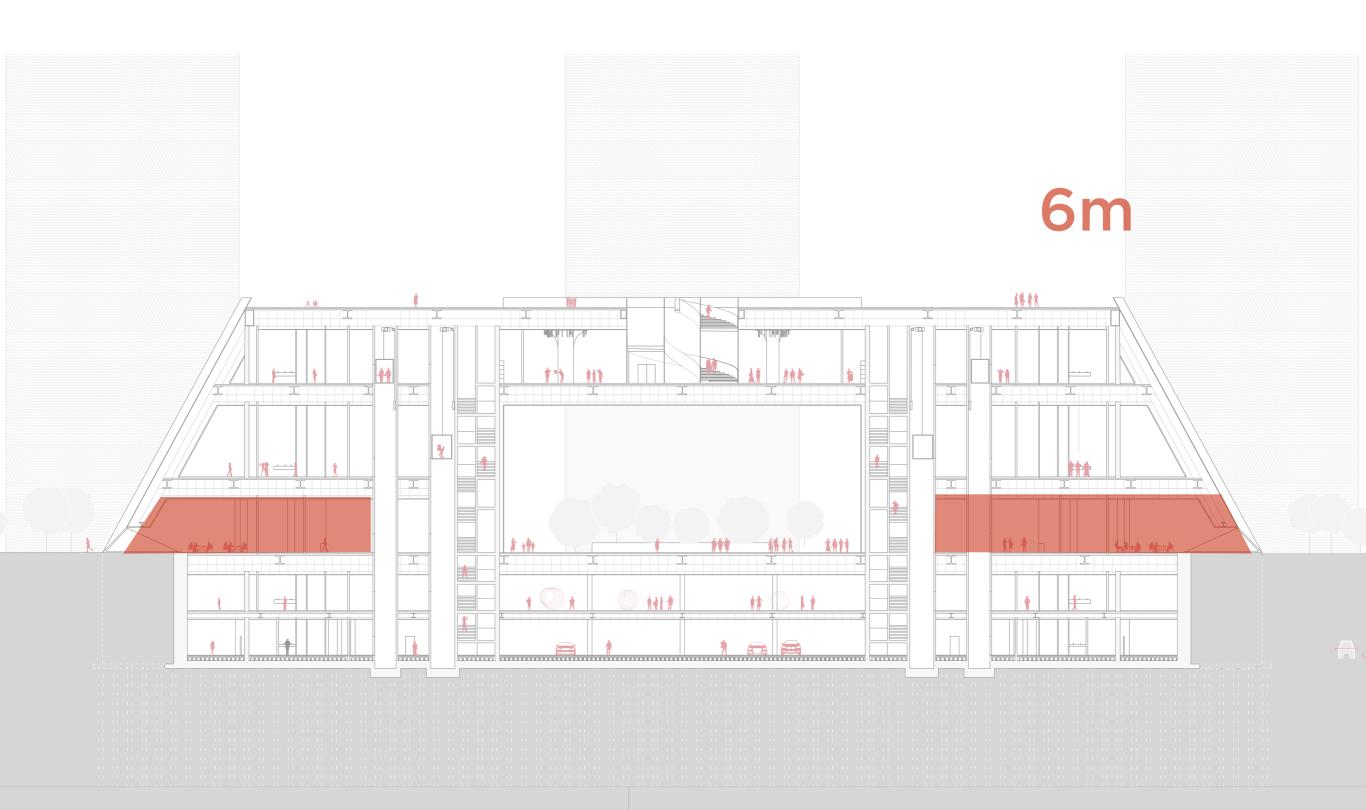




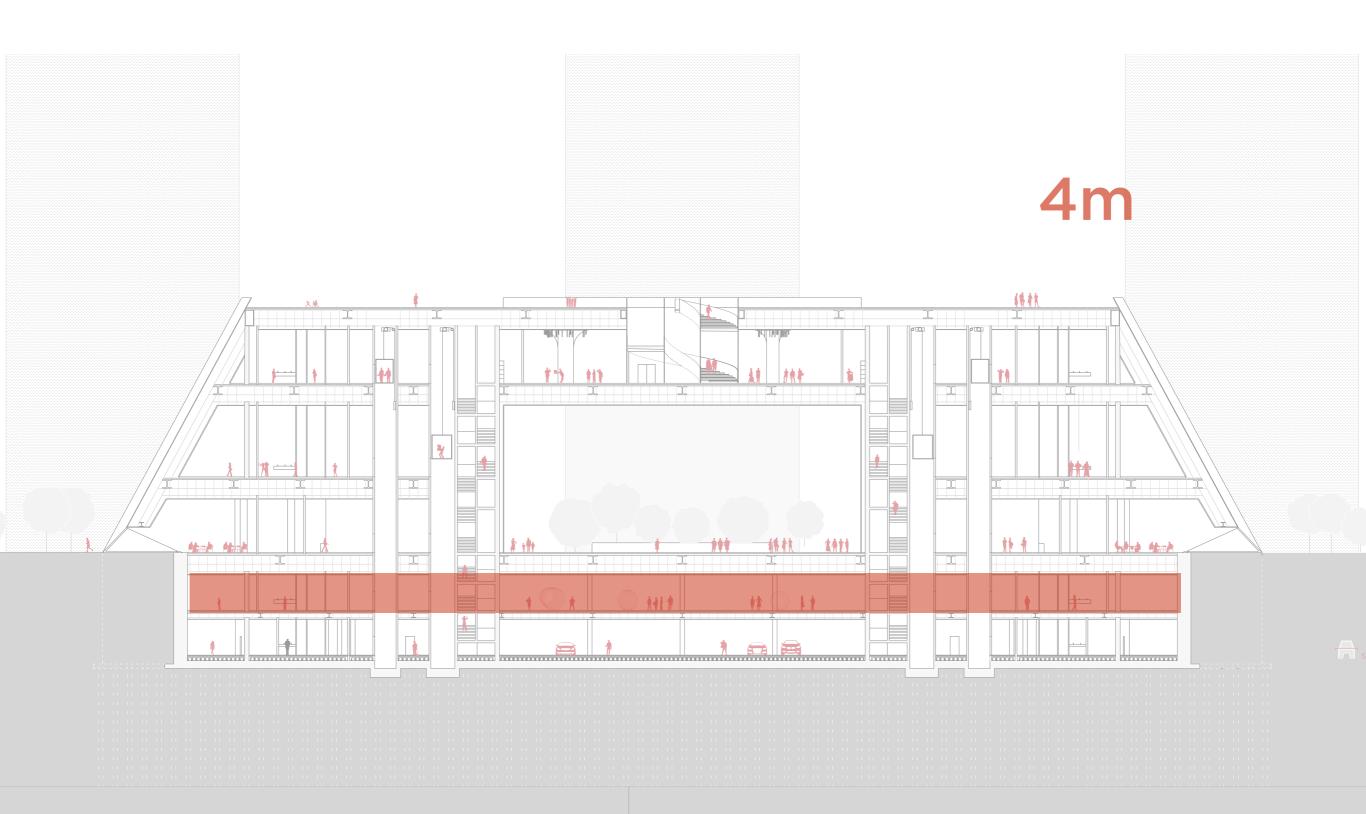




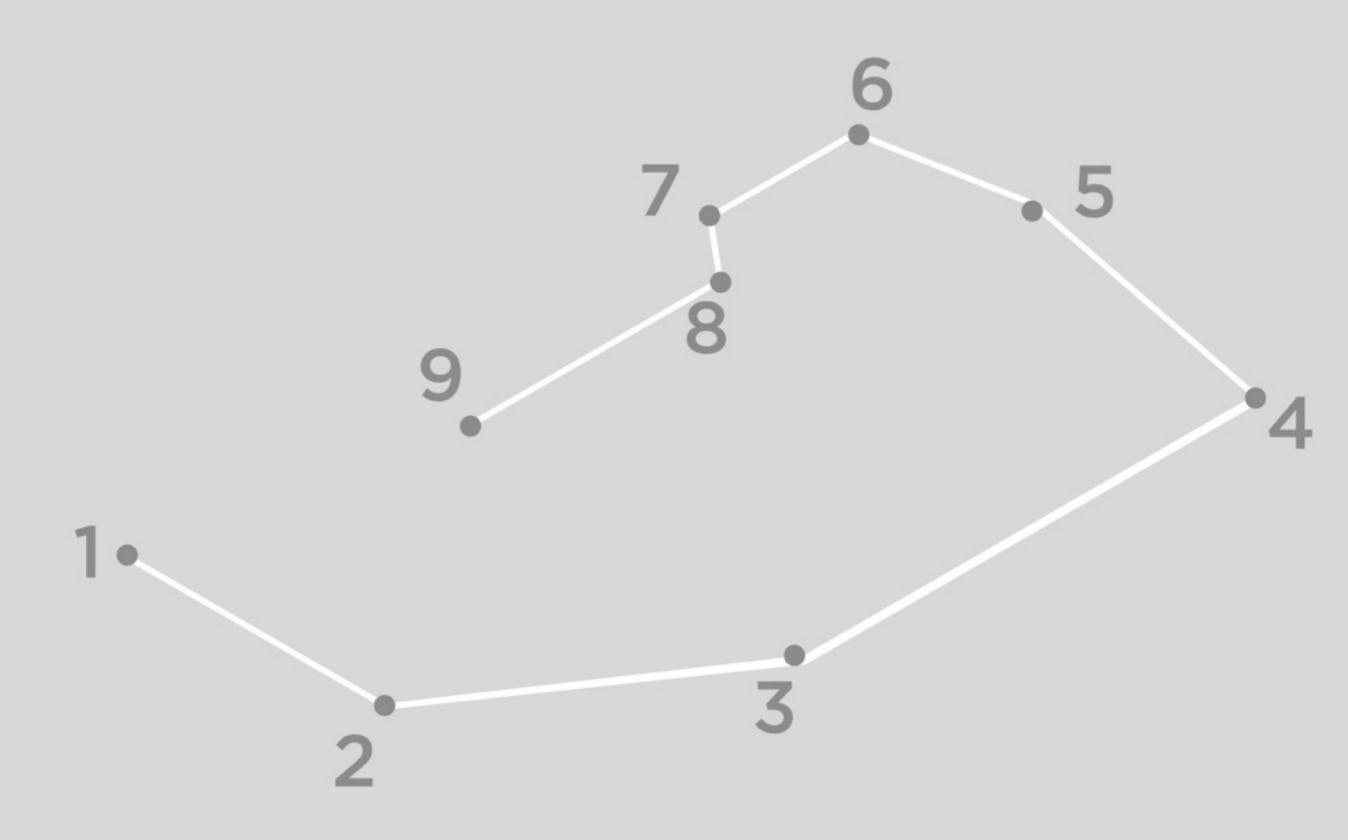






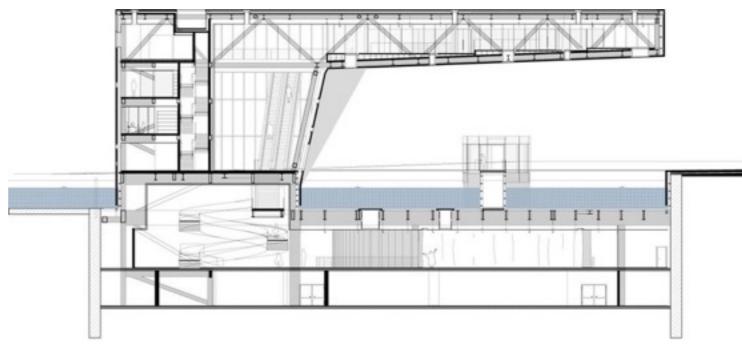






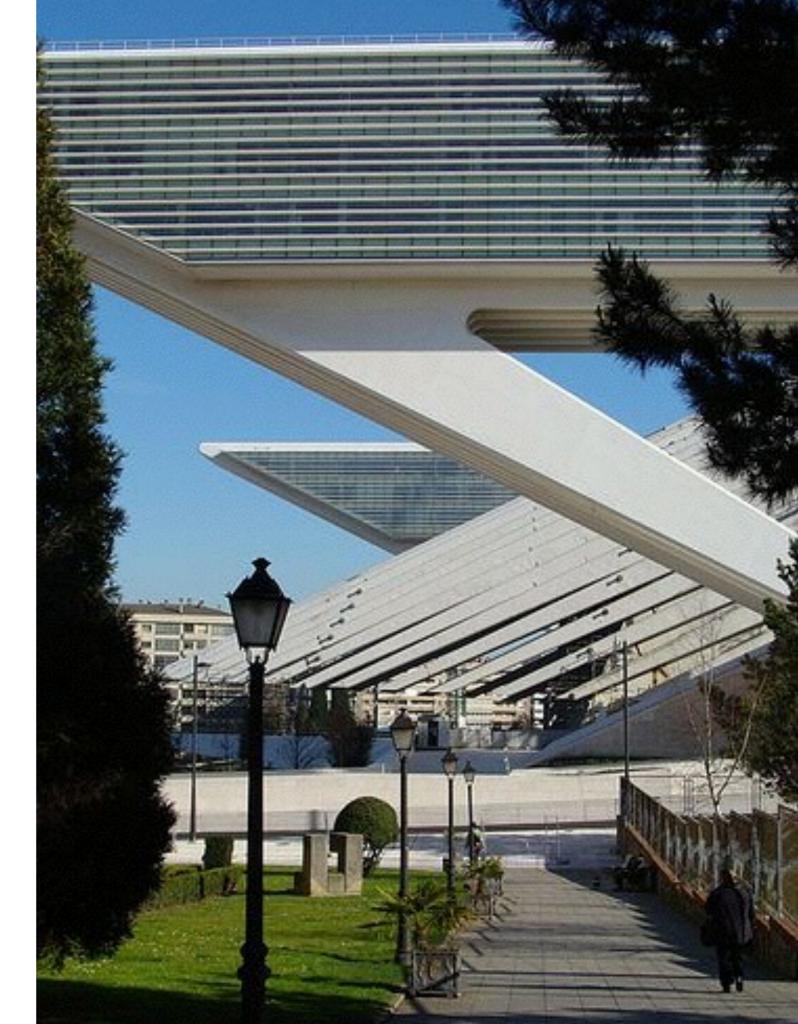
### structure





**Boeri Architects-Marseille** 

Palacio de congreso princesa Letizia



Cais das Artes Paulo Mendes da Rocha & METRO





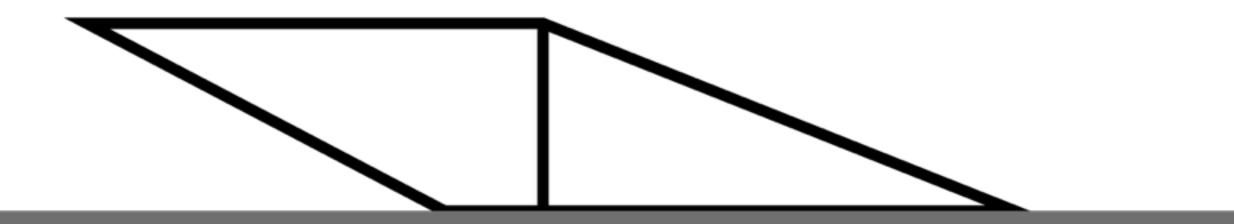
FRANS BIJLAARD

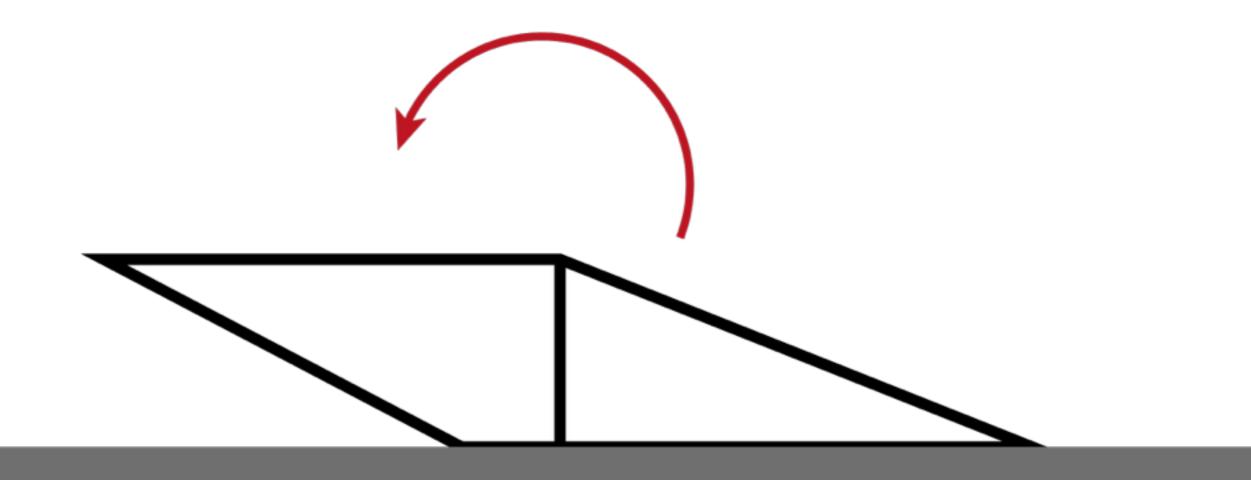
Department Design and
Construction
Structural and Building
Engineering
Steel Structures

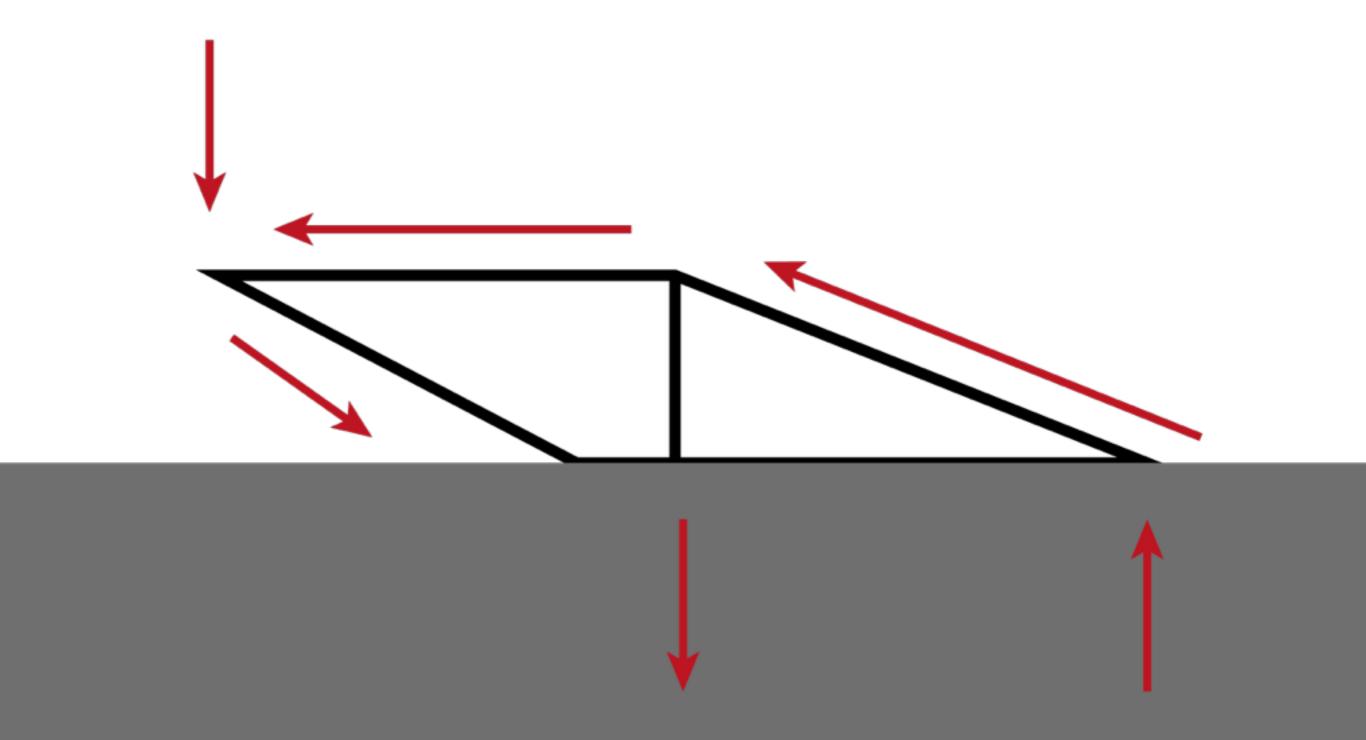


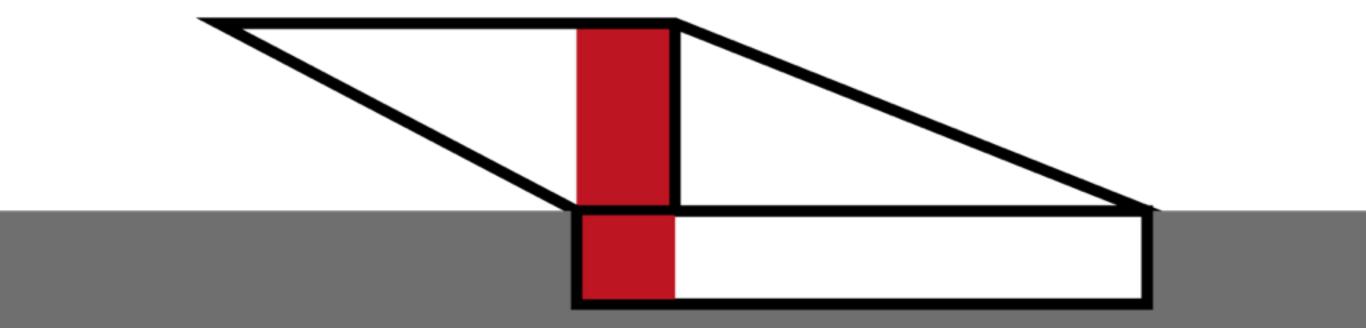
**ROB NIJSSE** 

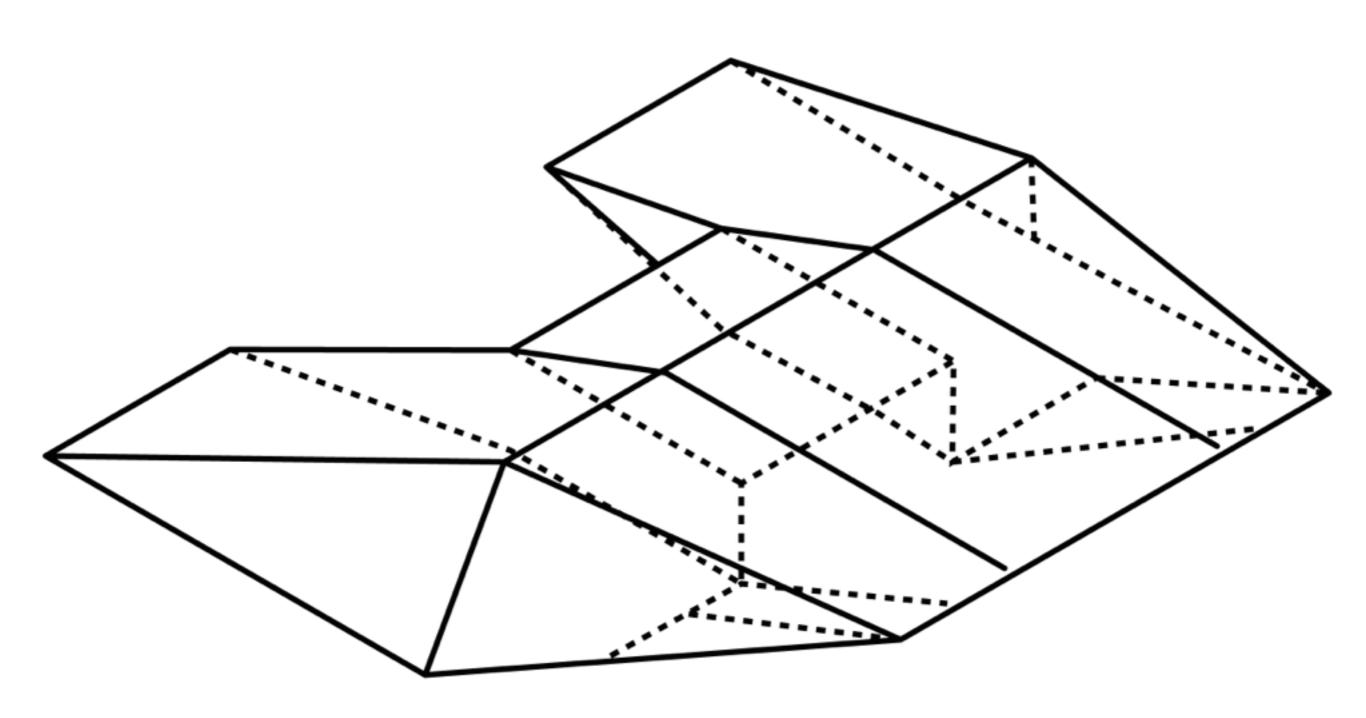
Professor of Structural Design -Department of Architectural Engineering + Technology

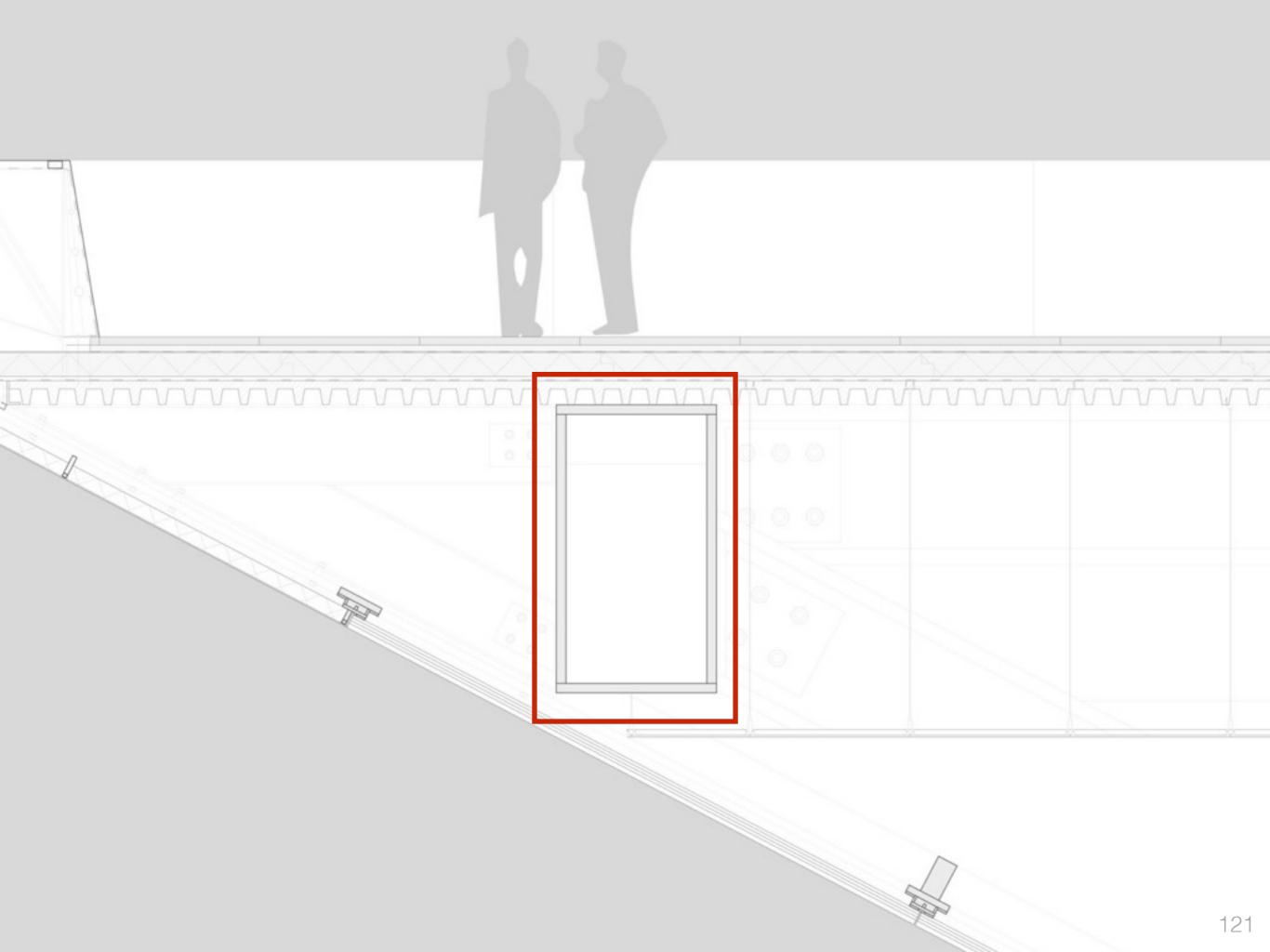


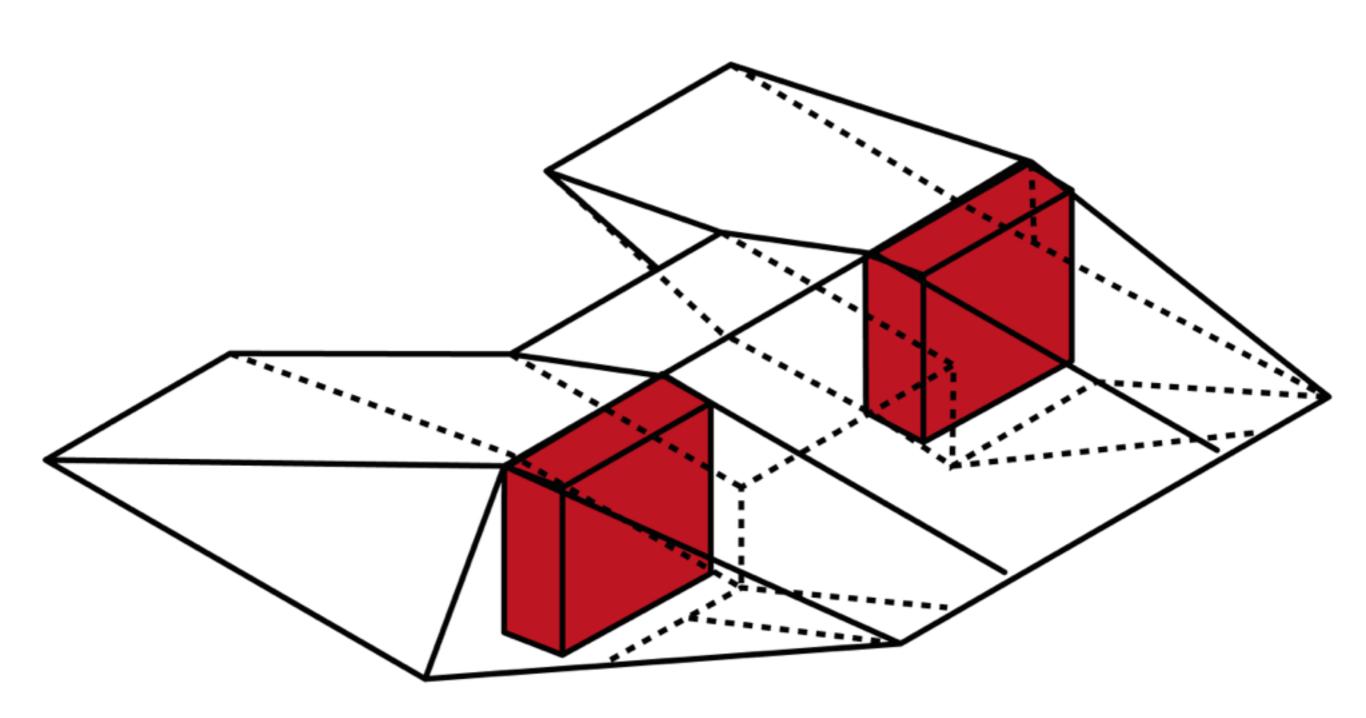


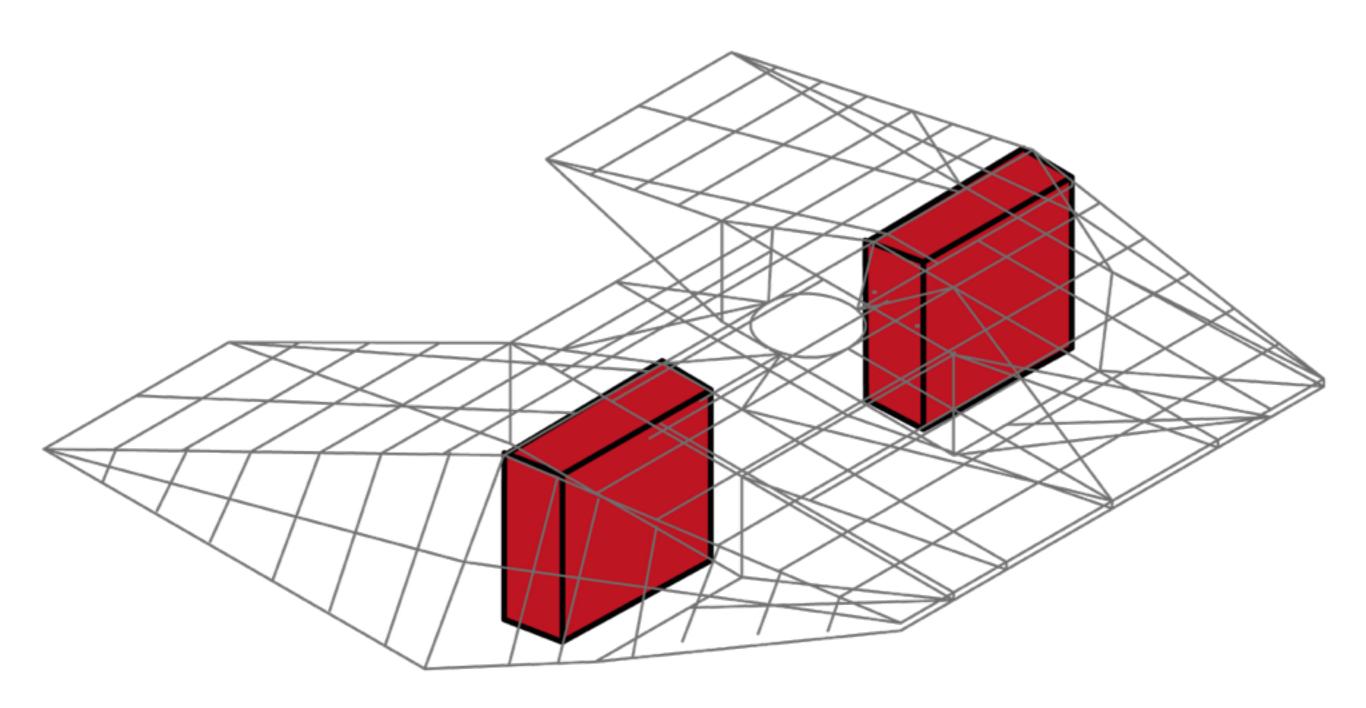


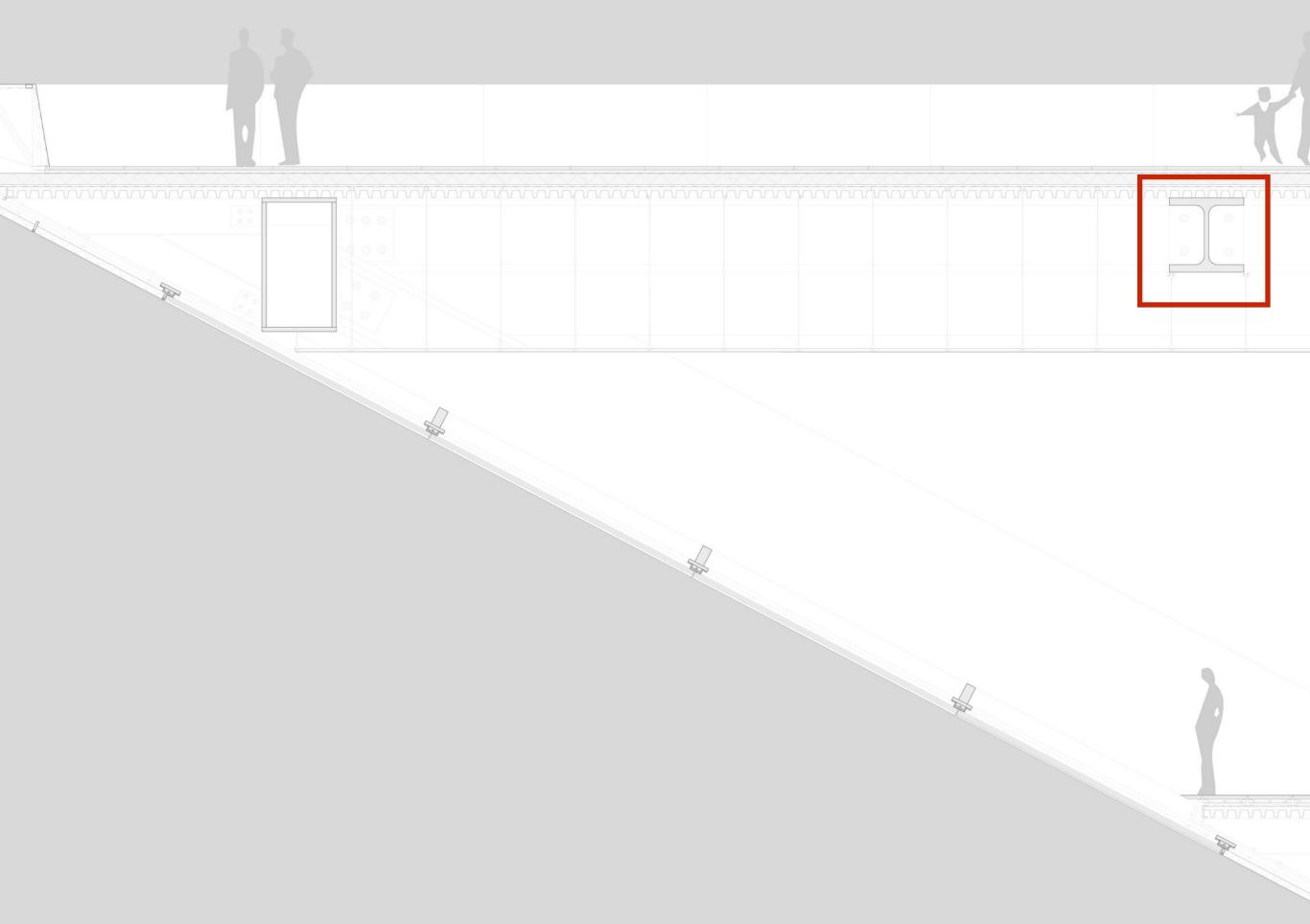


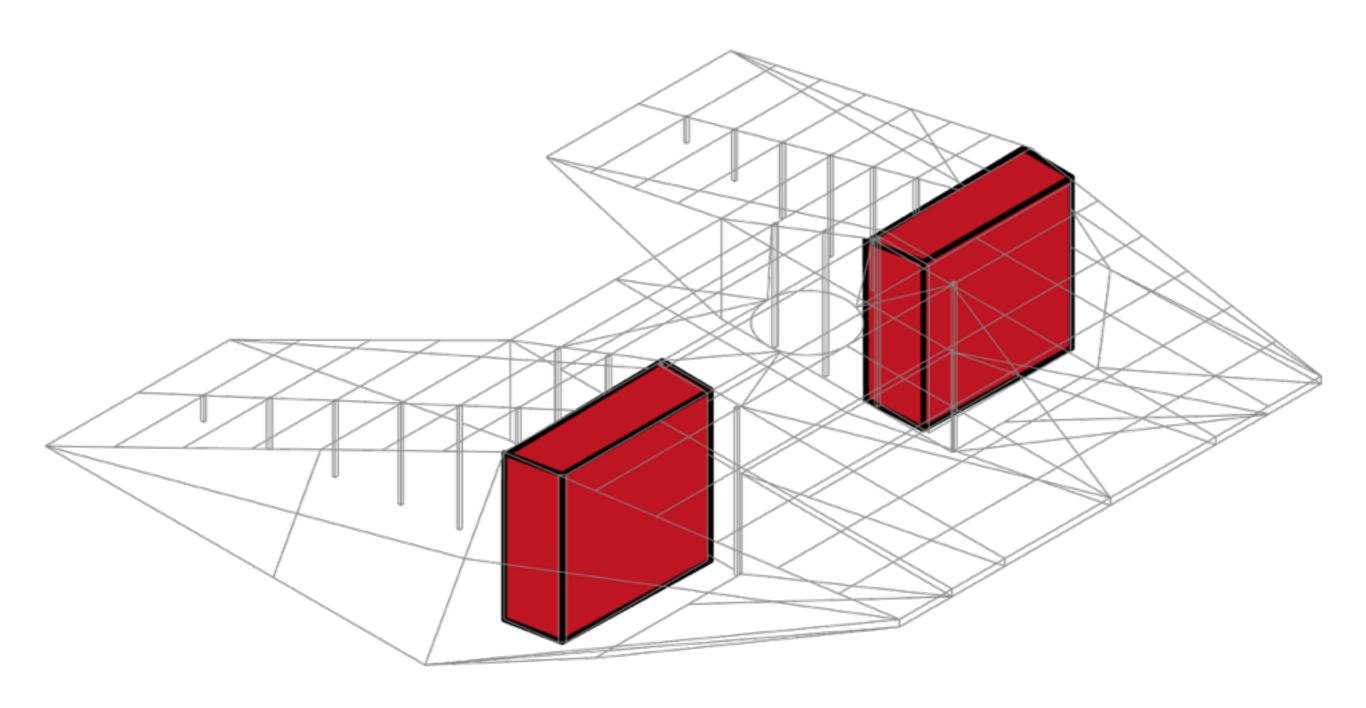


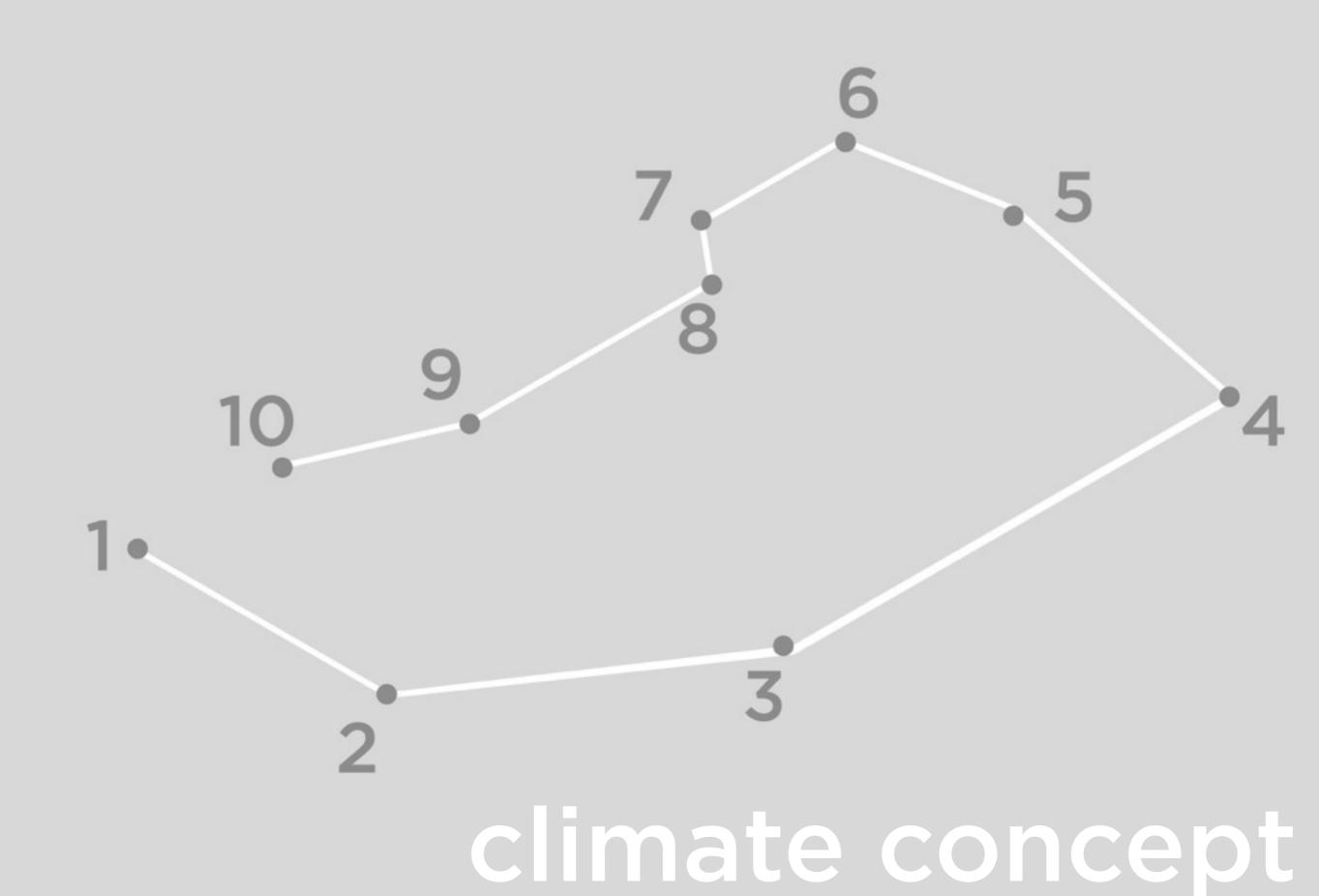




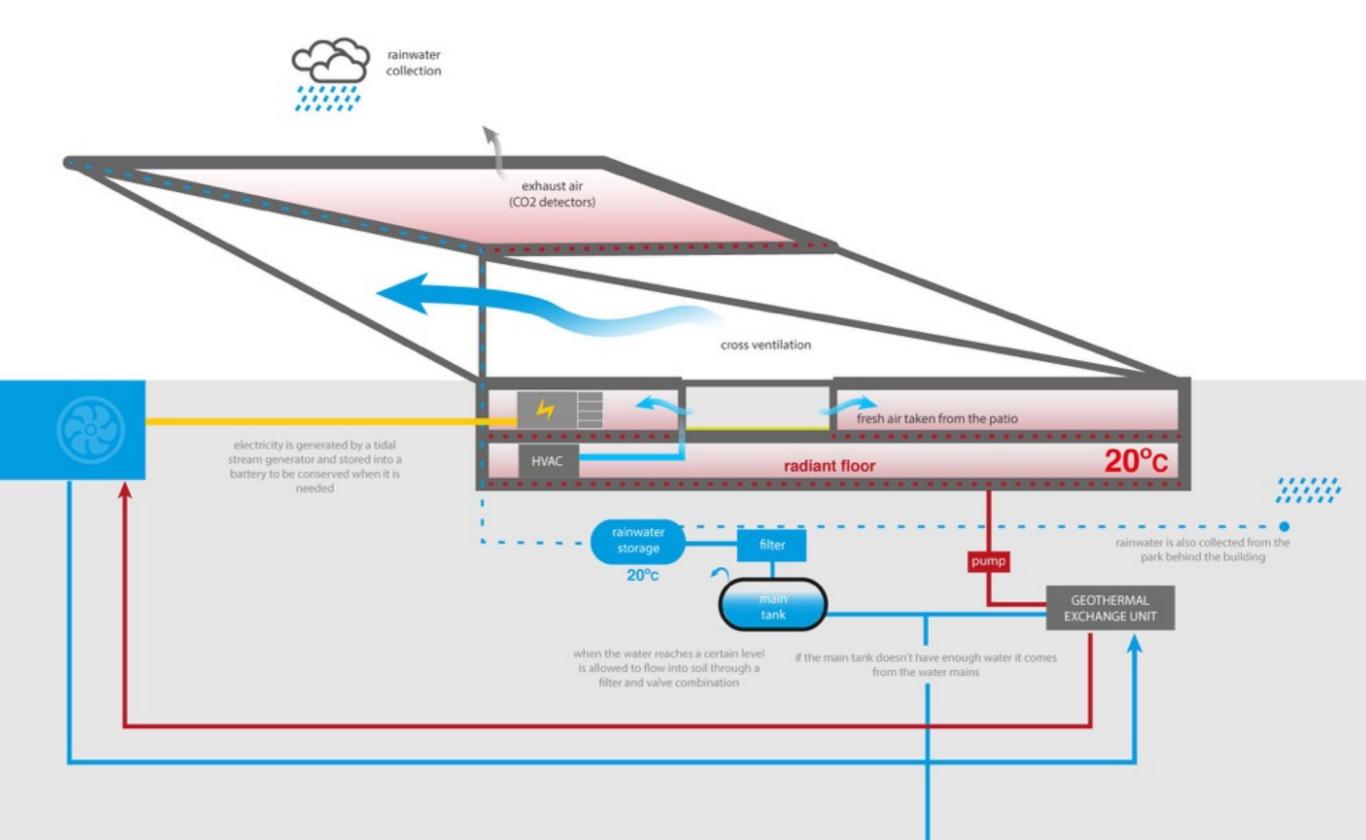




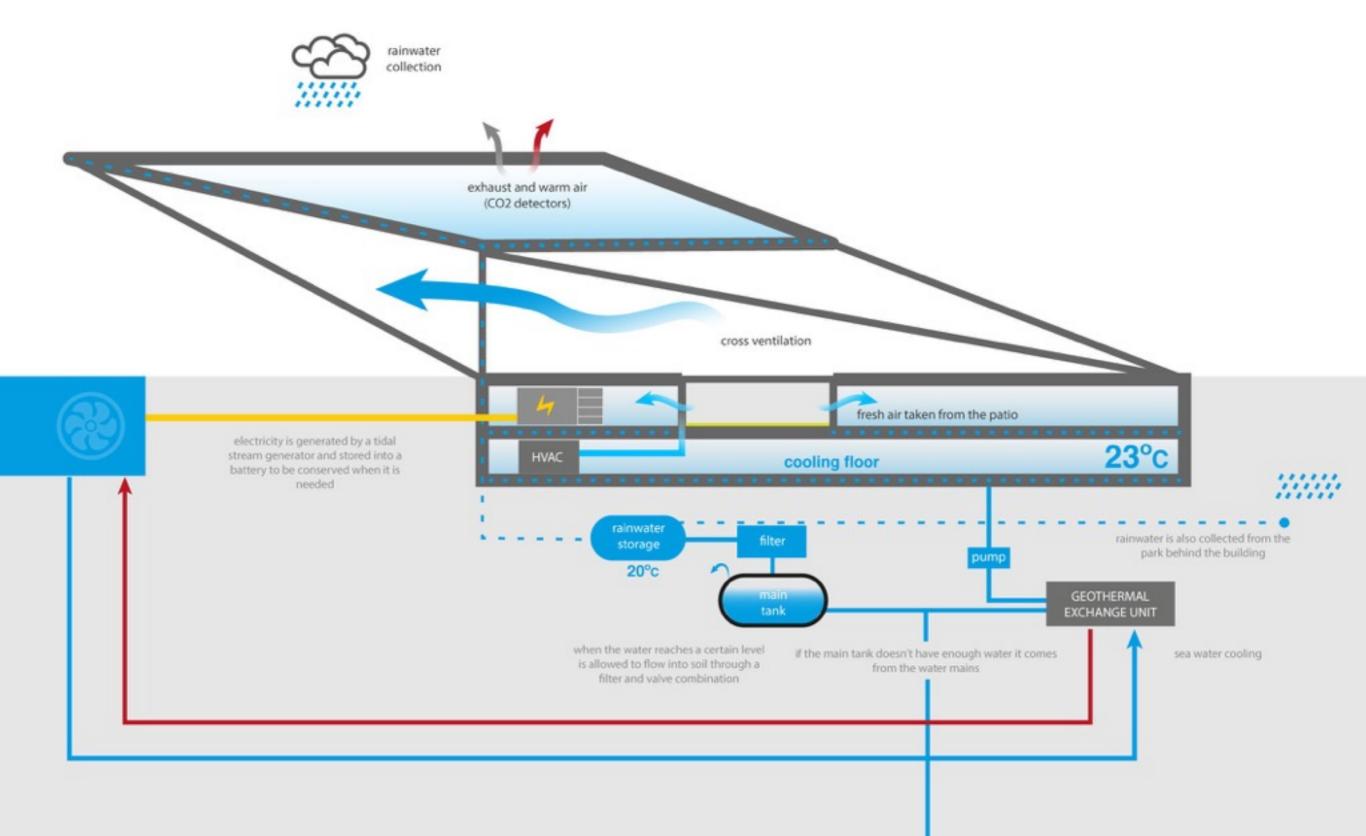


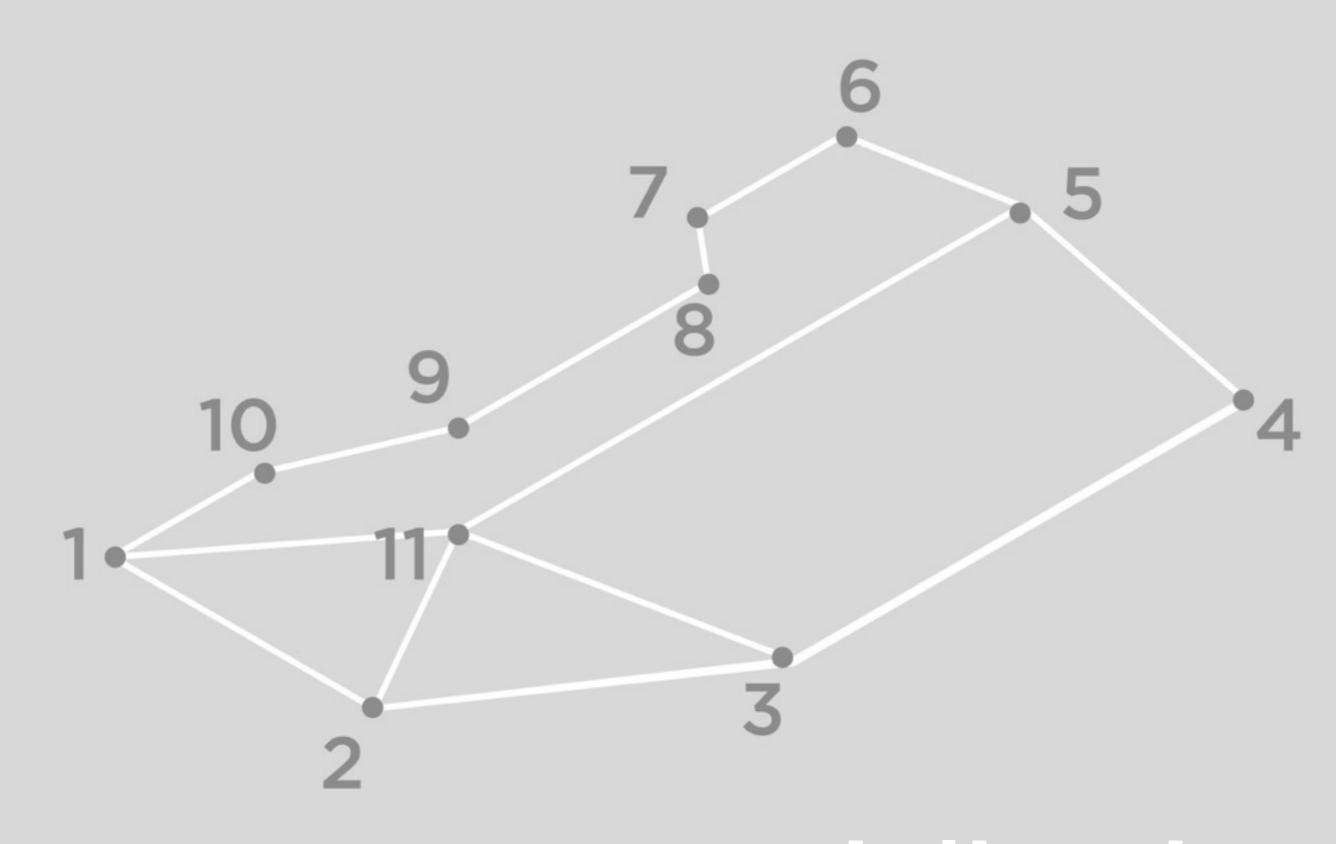












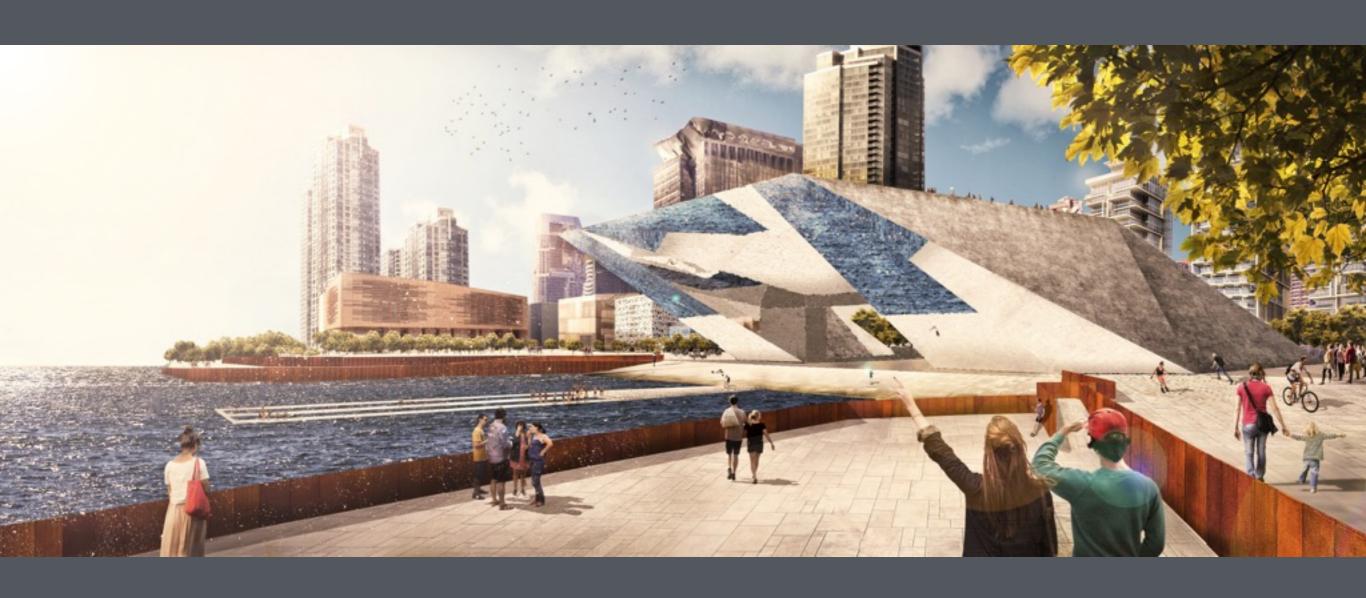
### materialization

# facade

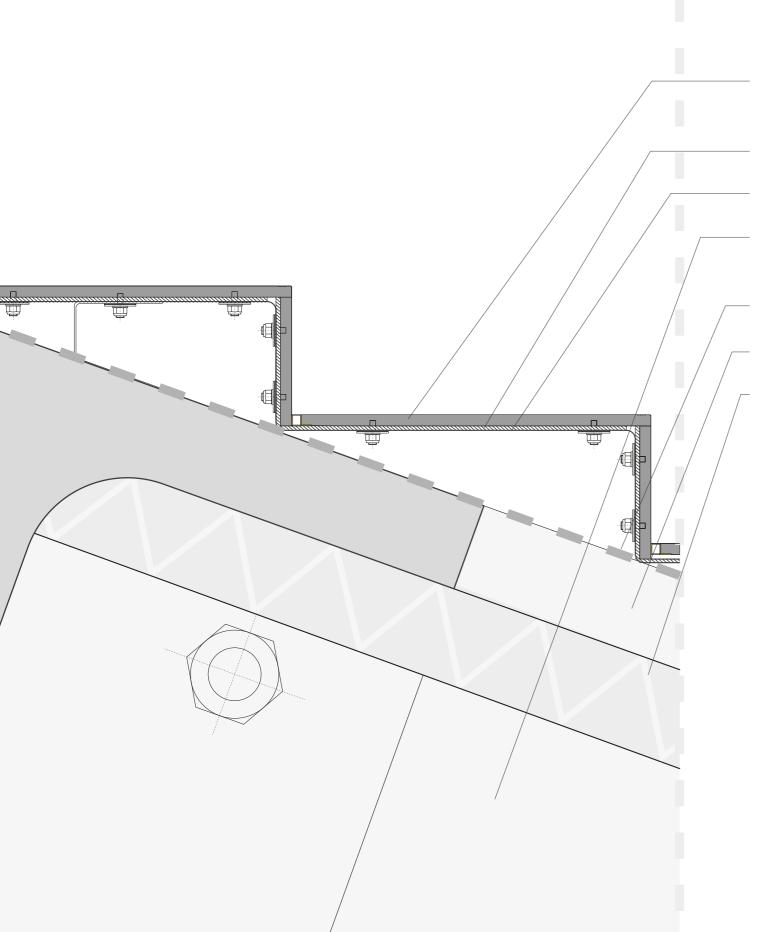












1200x3000 mm TAKTL Concrete tile th. 12.7mm, rough II finish

Shock absorber panel

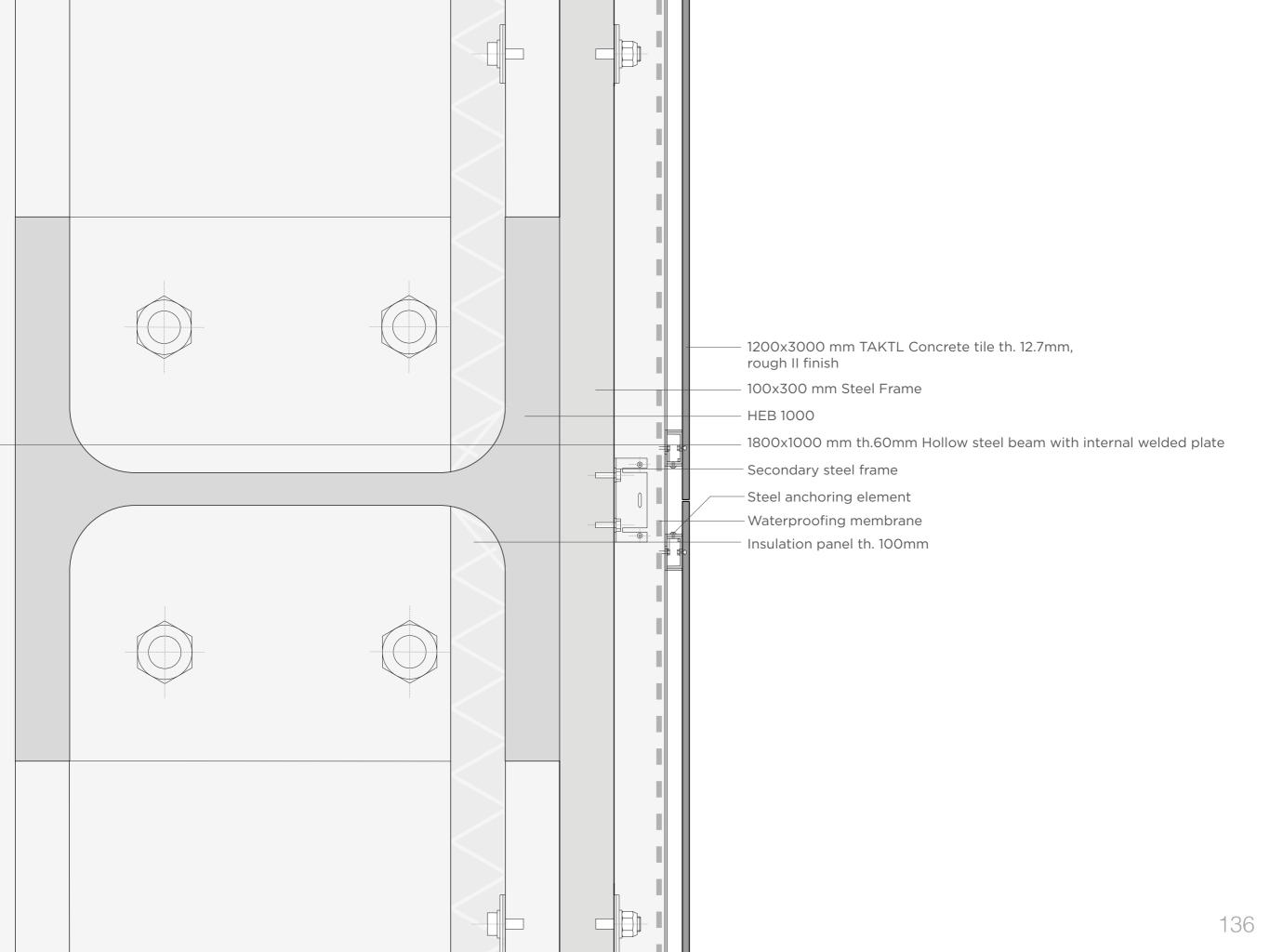
3mm Galvanized steel sheet

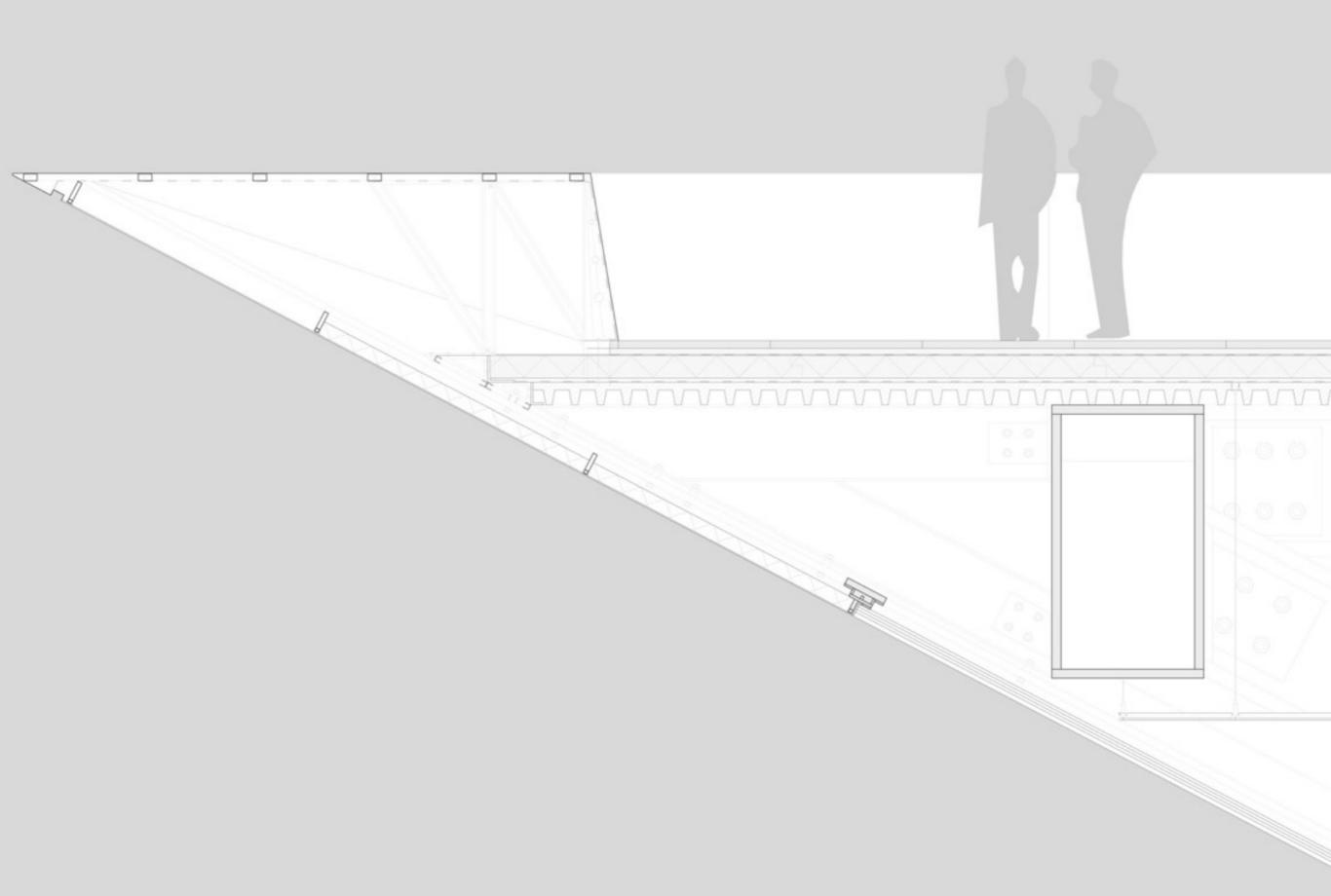
1800x1000 mm th.60mm Hollow steel beam with internal welded plate

Waterproofing membrane

HEB 1000

Insulation panel th. 100mm

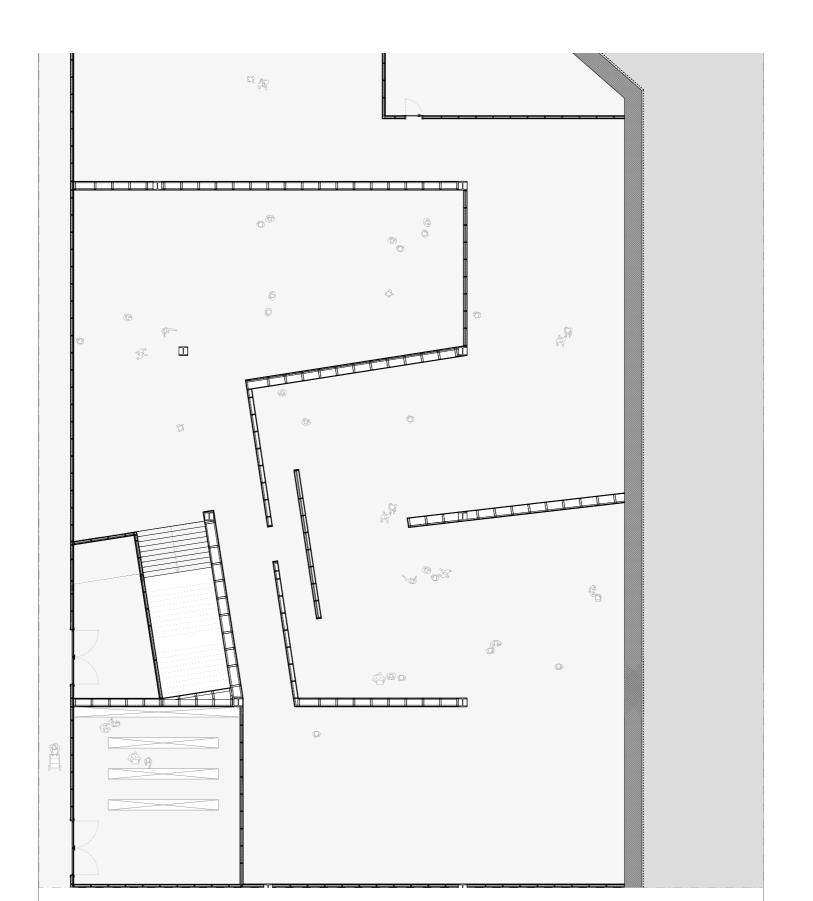






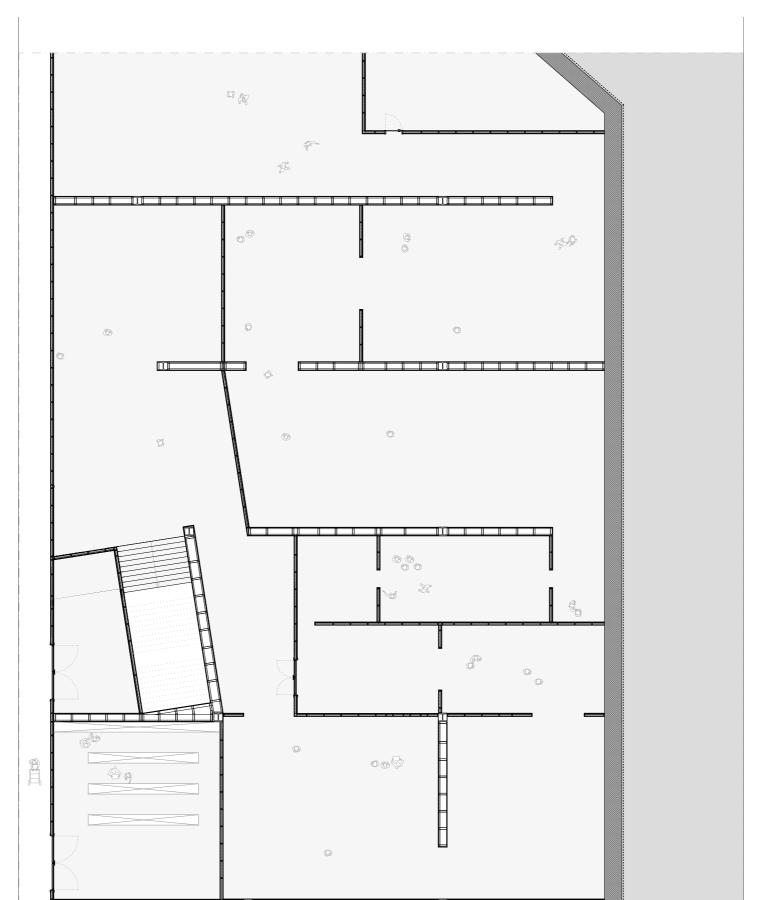
# interior

#### SCREENS

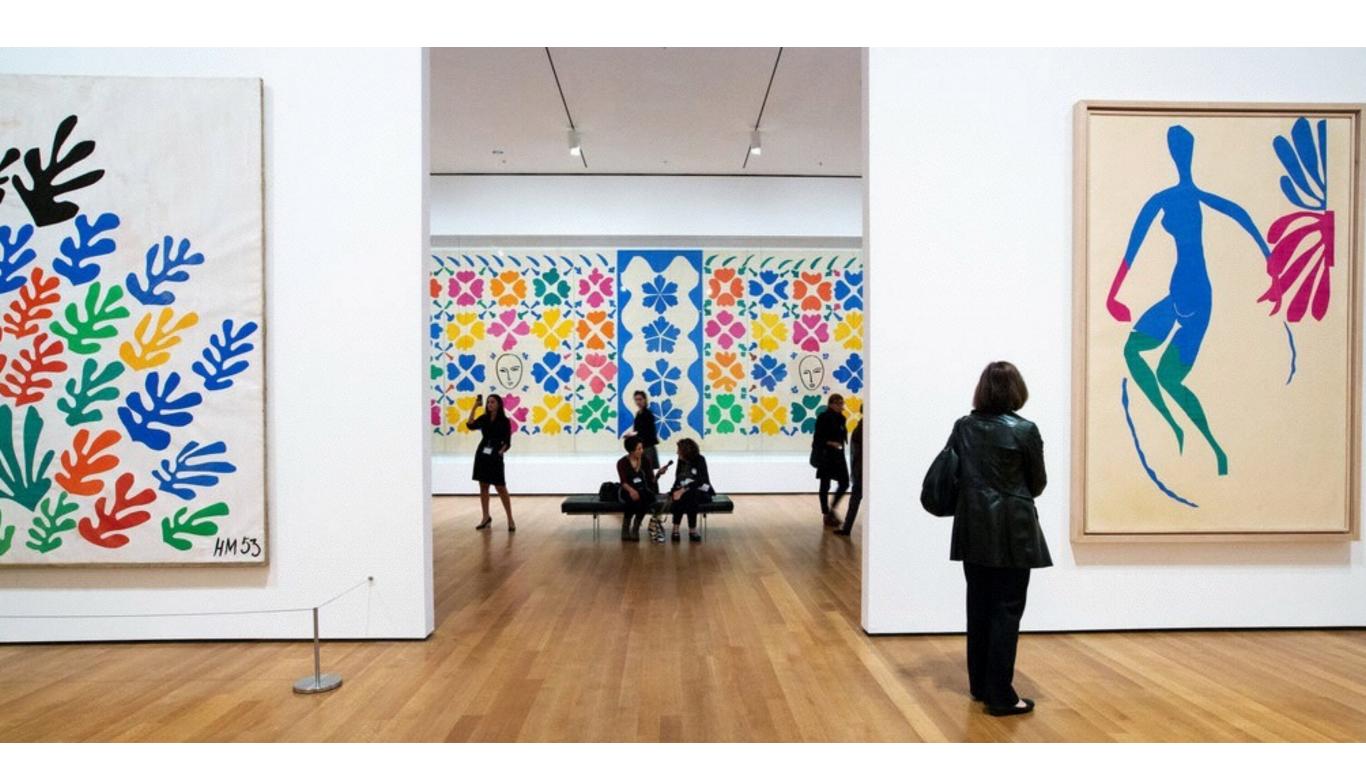




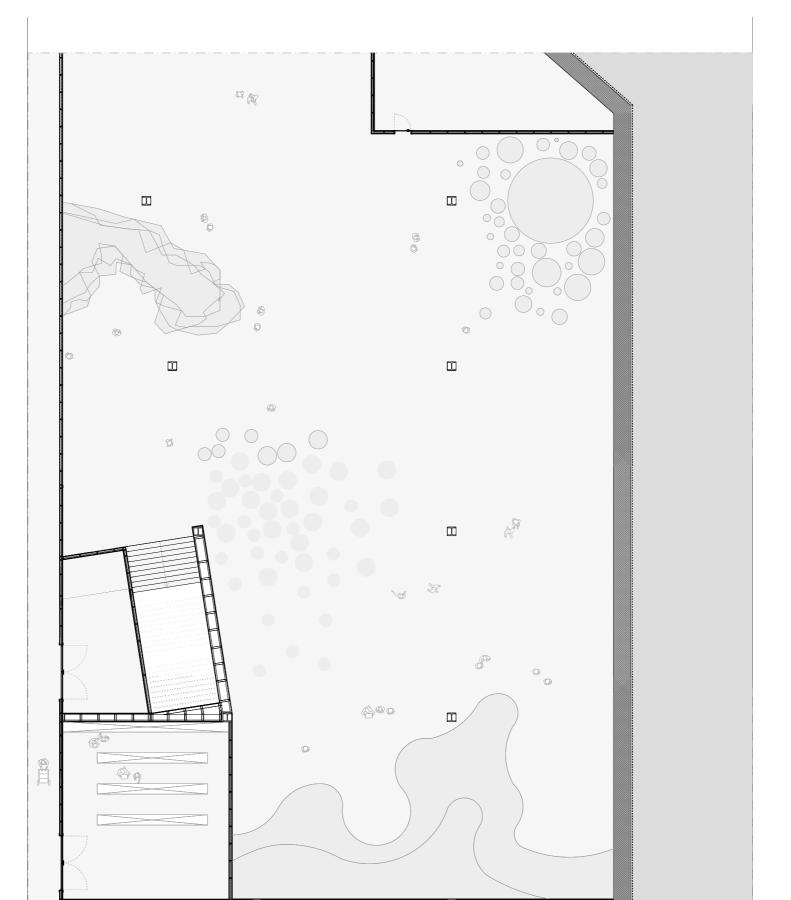
#### CLOSED ROOMS

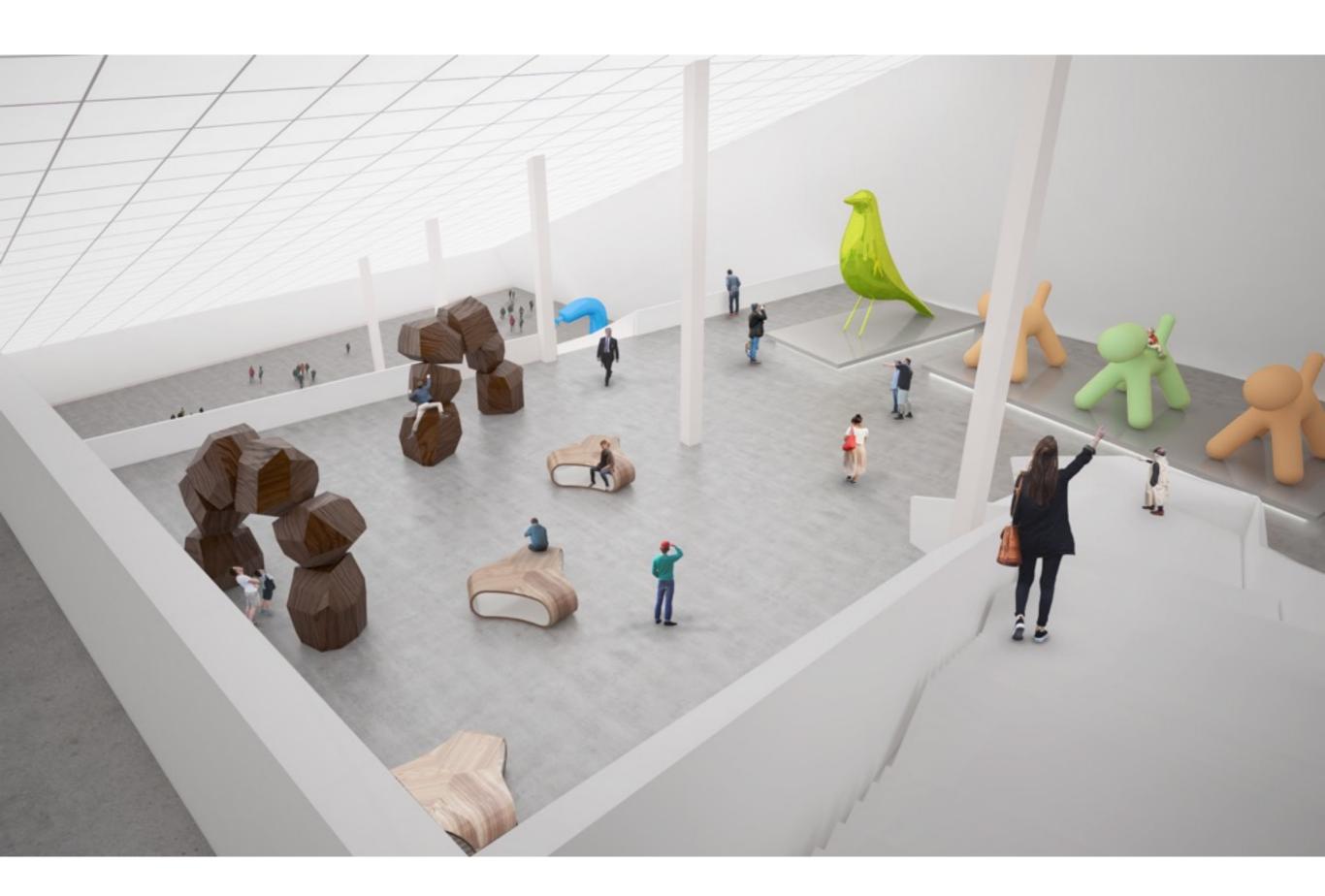






#### OPEN SPACES









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