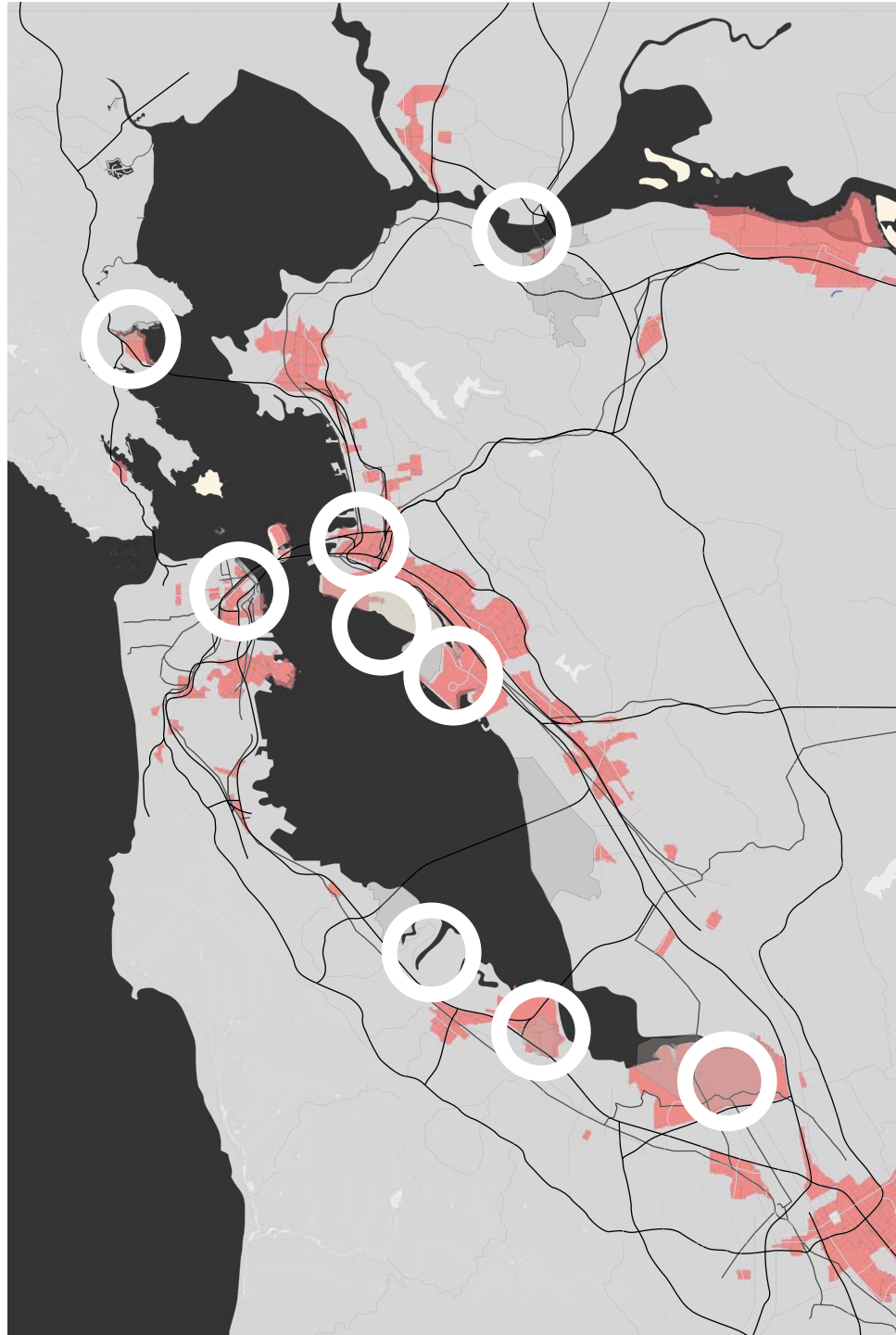


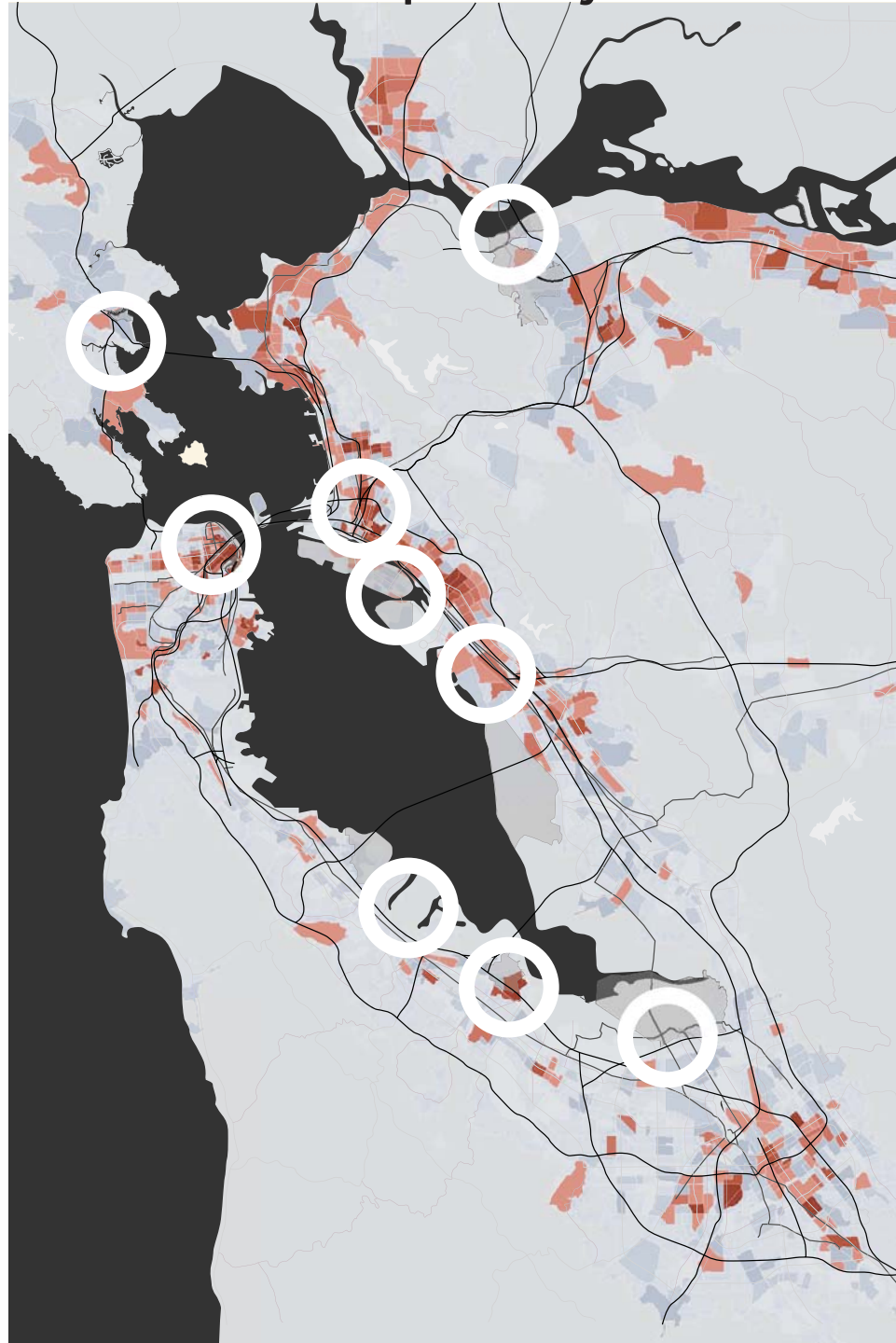
Delta Interventions 2016-2017 P4
San Francisco Bay Area
Hunters point

PROJECT SITES

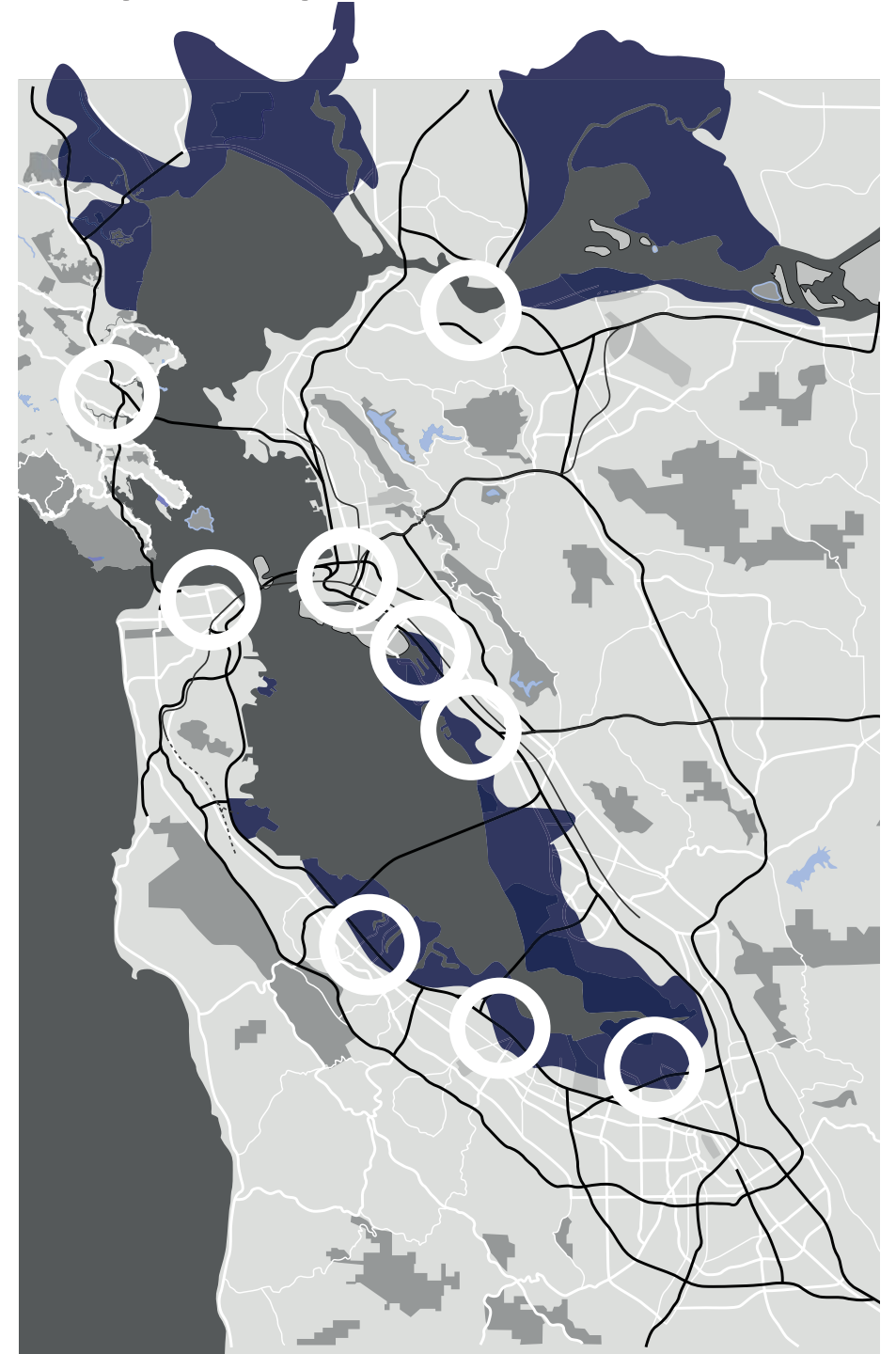
Communities of concern



Income below poverty level



6 ft (~1.8m) sea level rise



Bay Area: Resilient by Design Challenge

San Francisco Bay Area

Uniting the best local and global minds to work towards a more resilient and sustainable future.

Rather than wait for disaster, as a community we can work proactively to ensure a better future, creating a blueprint for preparation that harnesses Bay Area innovation and serves as a model for communities around the world.

- Resilientbayarea.org

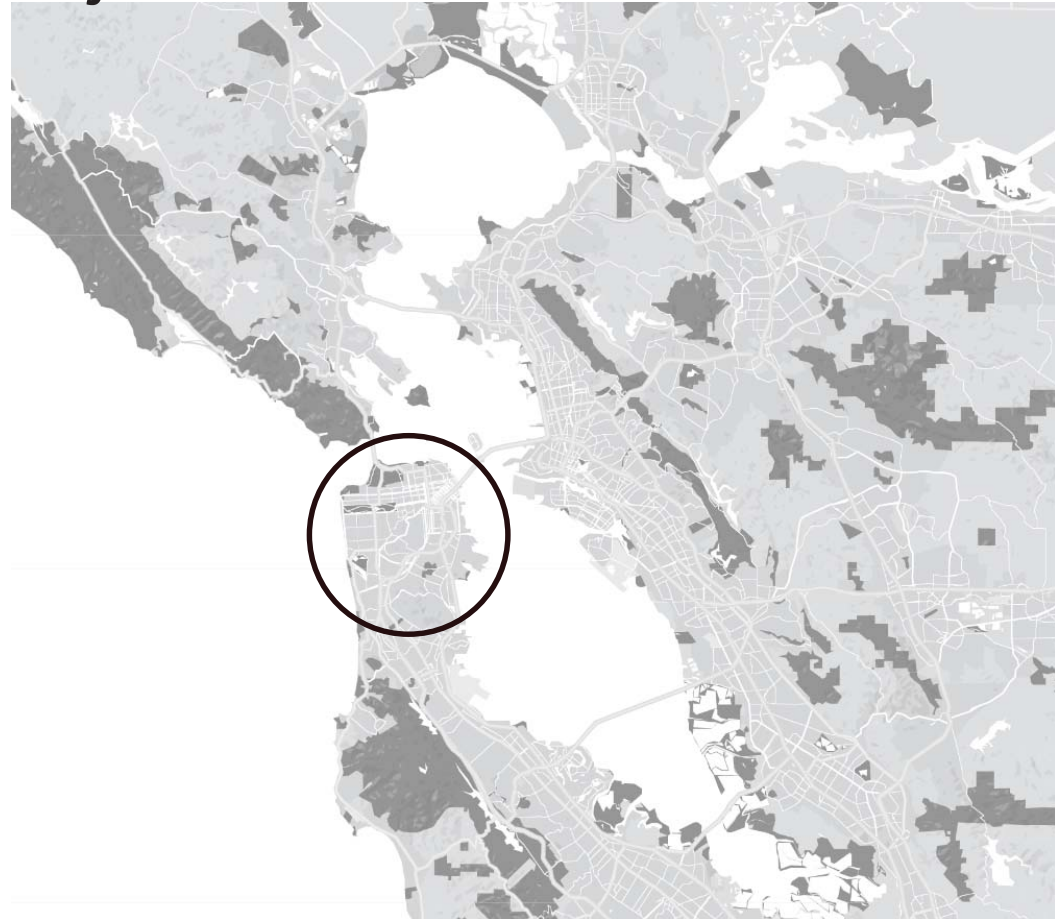
HUNTERS POINT



Kenneth Stone

HUNTERS POINT LOCATION

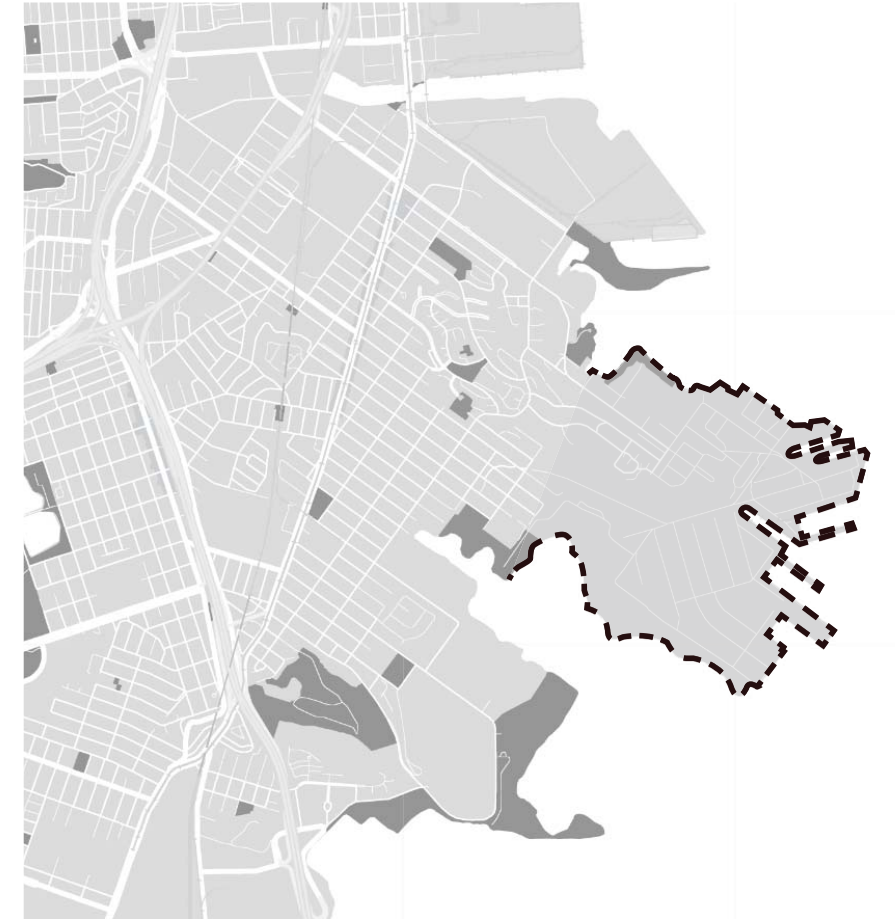
Bay Area



San Francisco



Hunters Point



HISTORY

Ranches, tanning, fertilizer
Shipbuilding
Naval Base
Job opportunities
Pollution
De-industrialisation
Increased unemployment
Local Poverty
Substandard housing



DEMOGRAPHICS

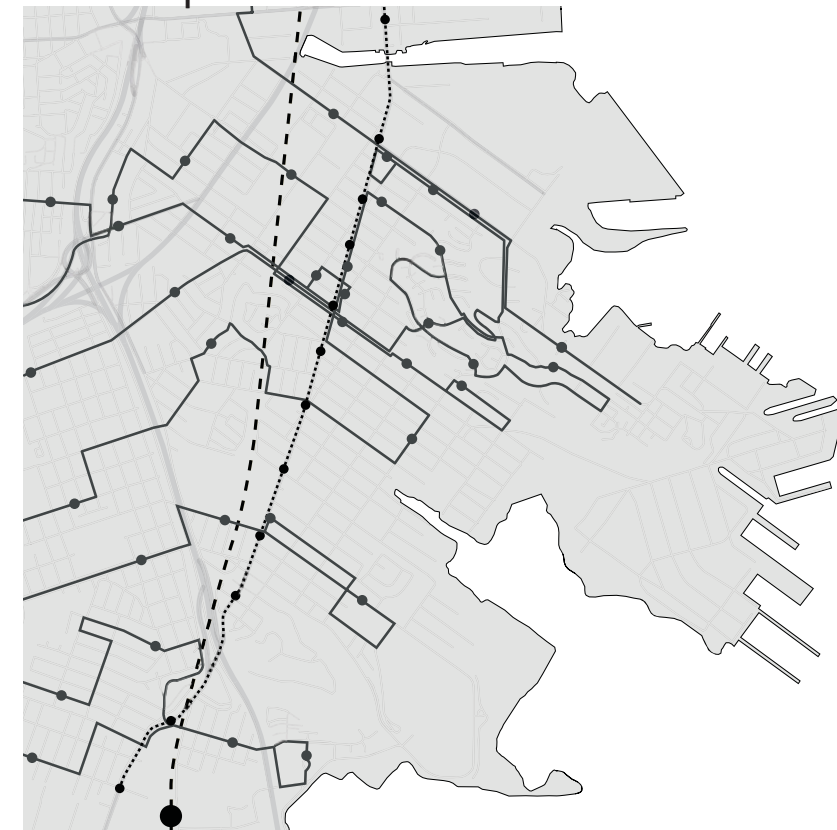
Education



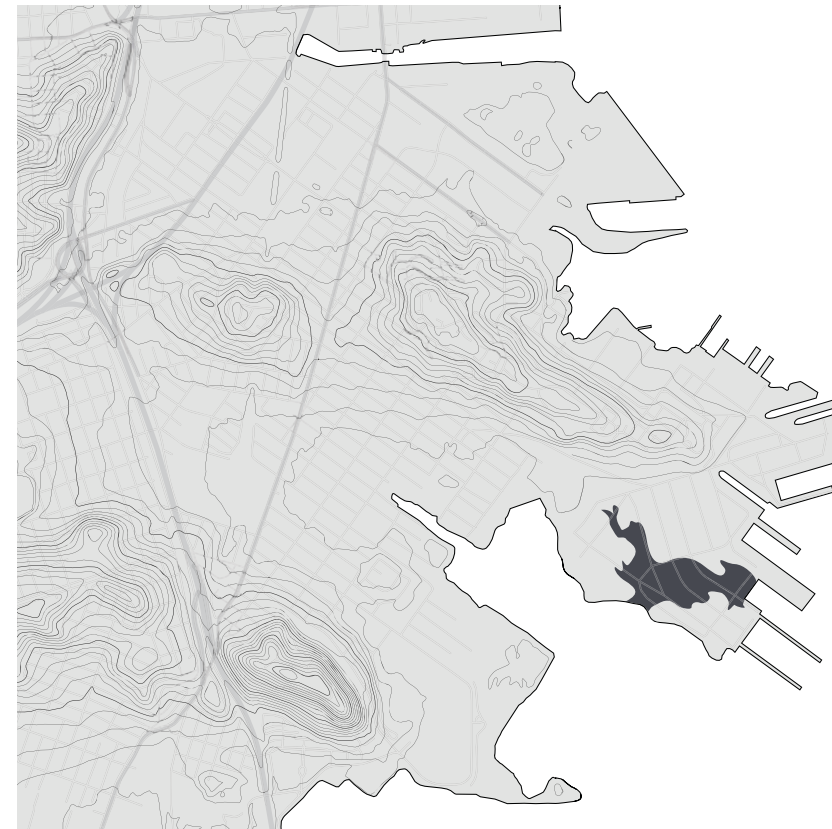
Unemployment



Public transport



Sea level rise +1000mm



Sea level rise +1300mm



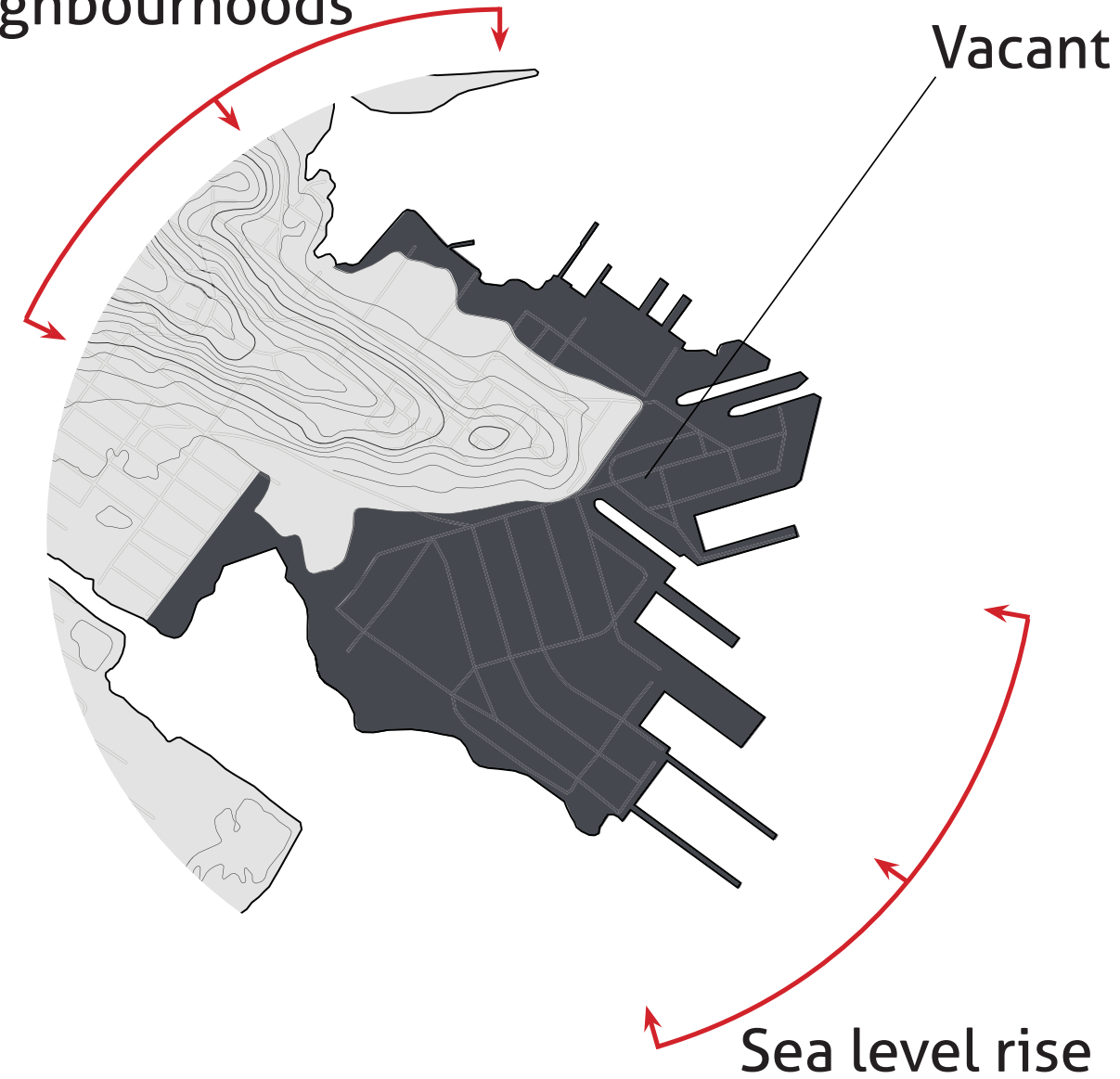
Sea level rise +1600mm



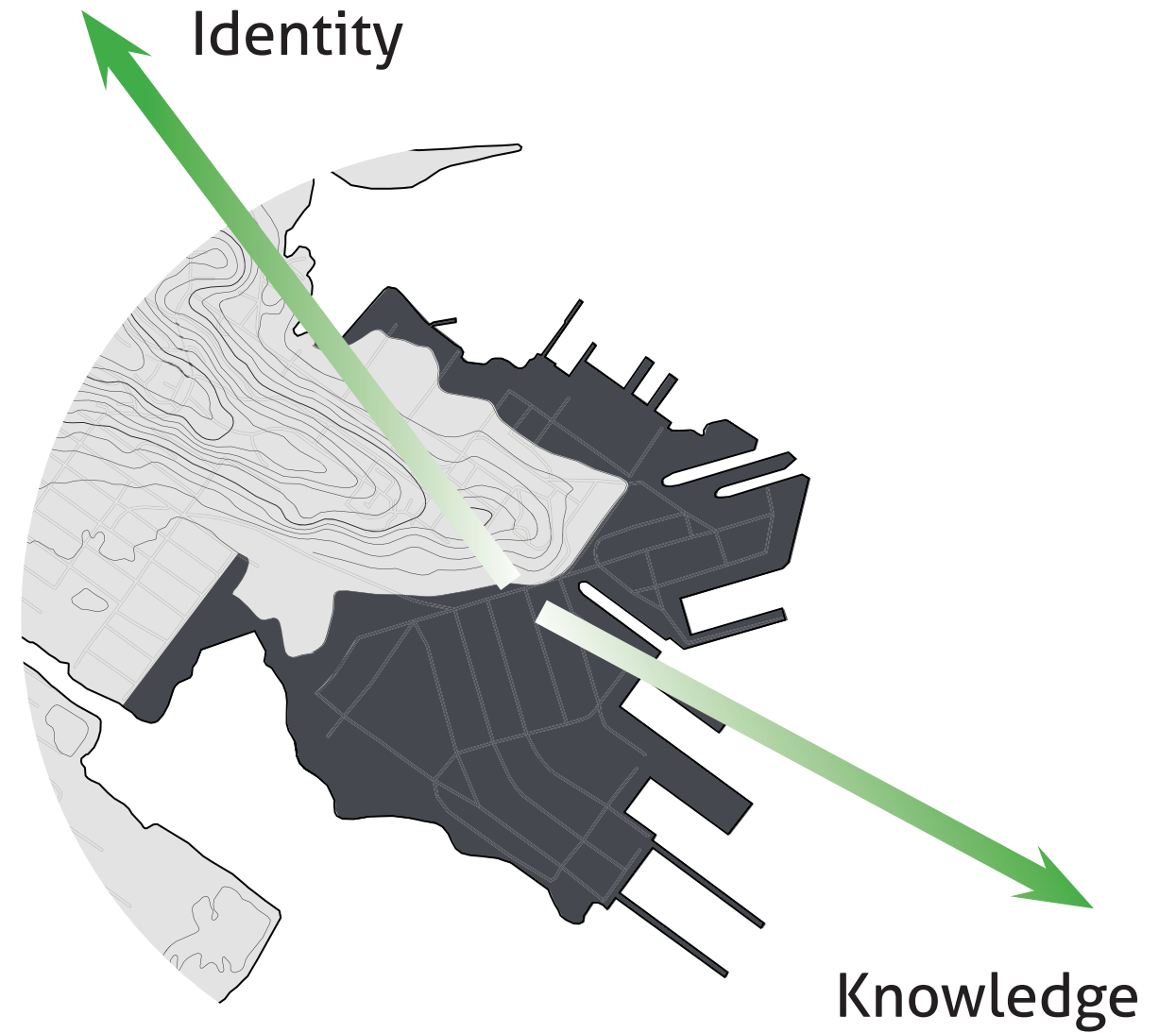
OPPORTUNITIES FOR HUNTERS POINT

The vacant site offers opportunity to create a new community that address environmental challenges while providing job opportunities and identity. Through a water related hub for education, research and practice, awareness is raised and gives the people something to relate to.

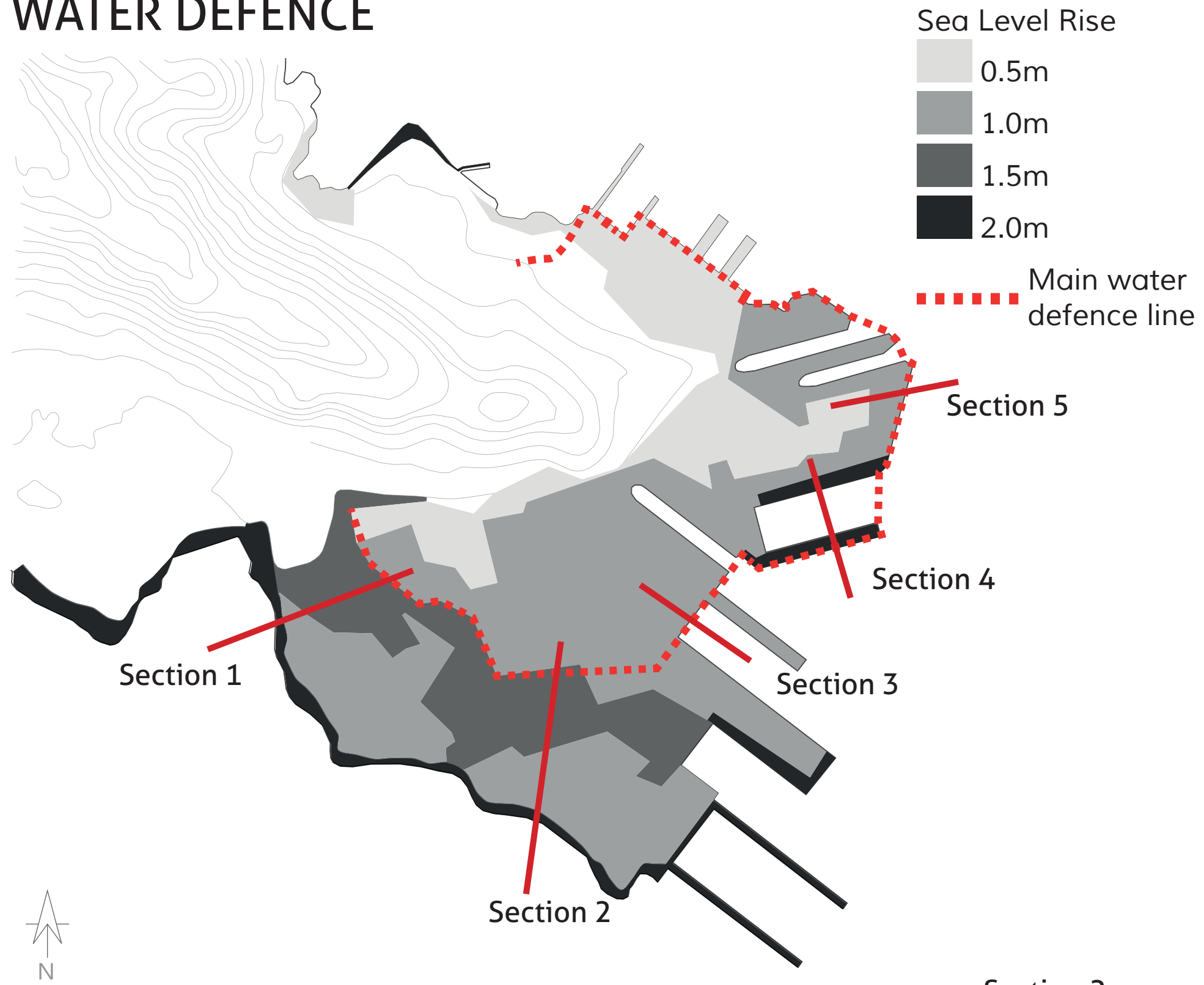
Low social economic neighbourhoods



Job opportunities
Community
Identity



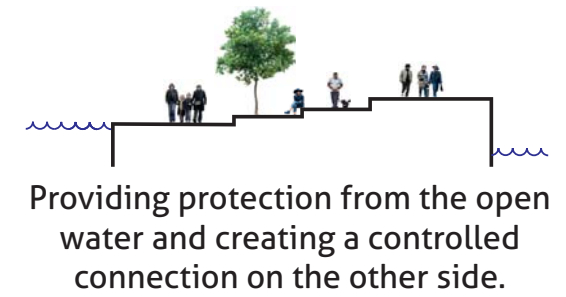
WATER DEFENCE



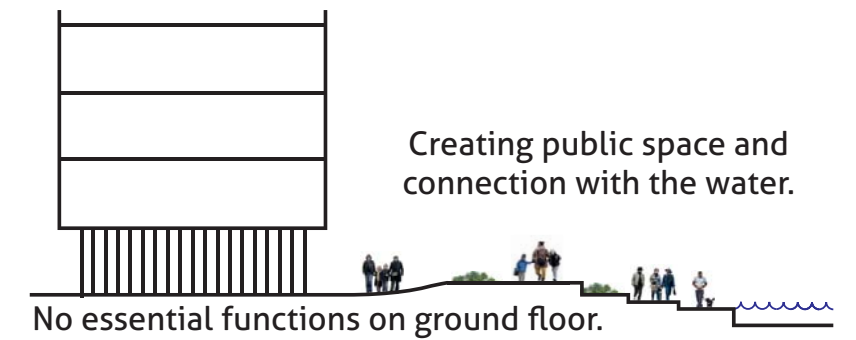
Section 5



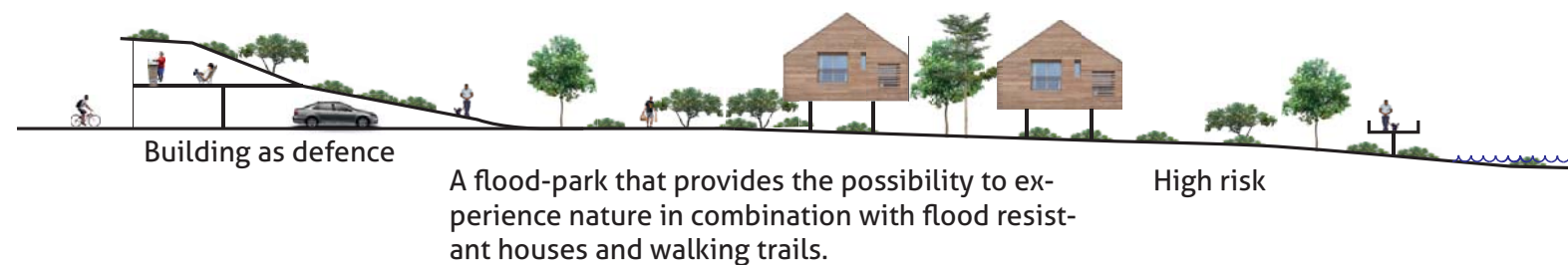
Section 4



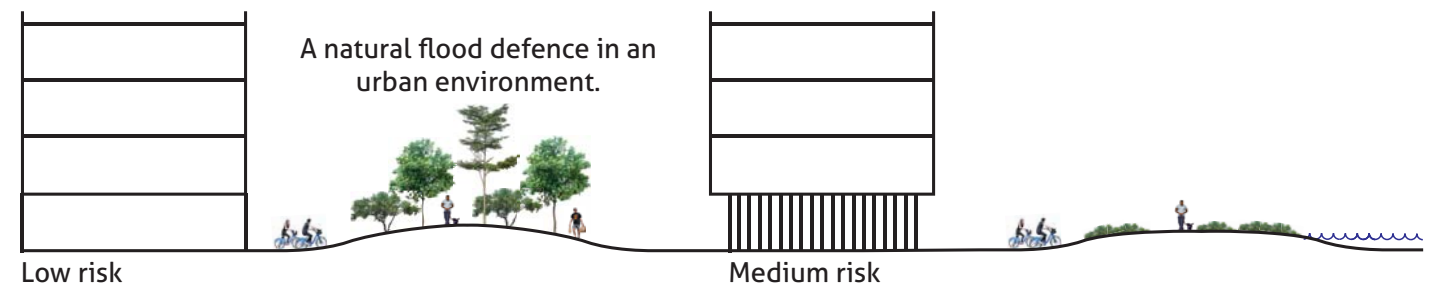
Section 3



Section 1



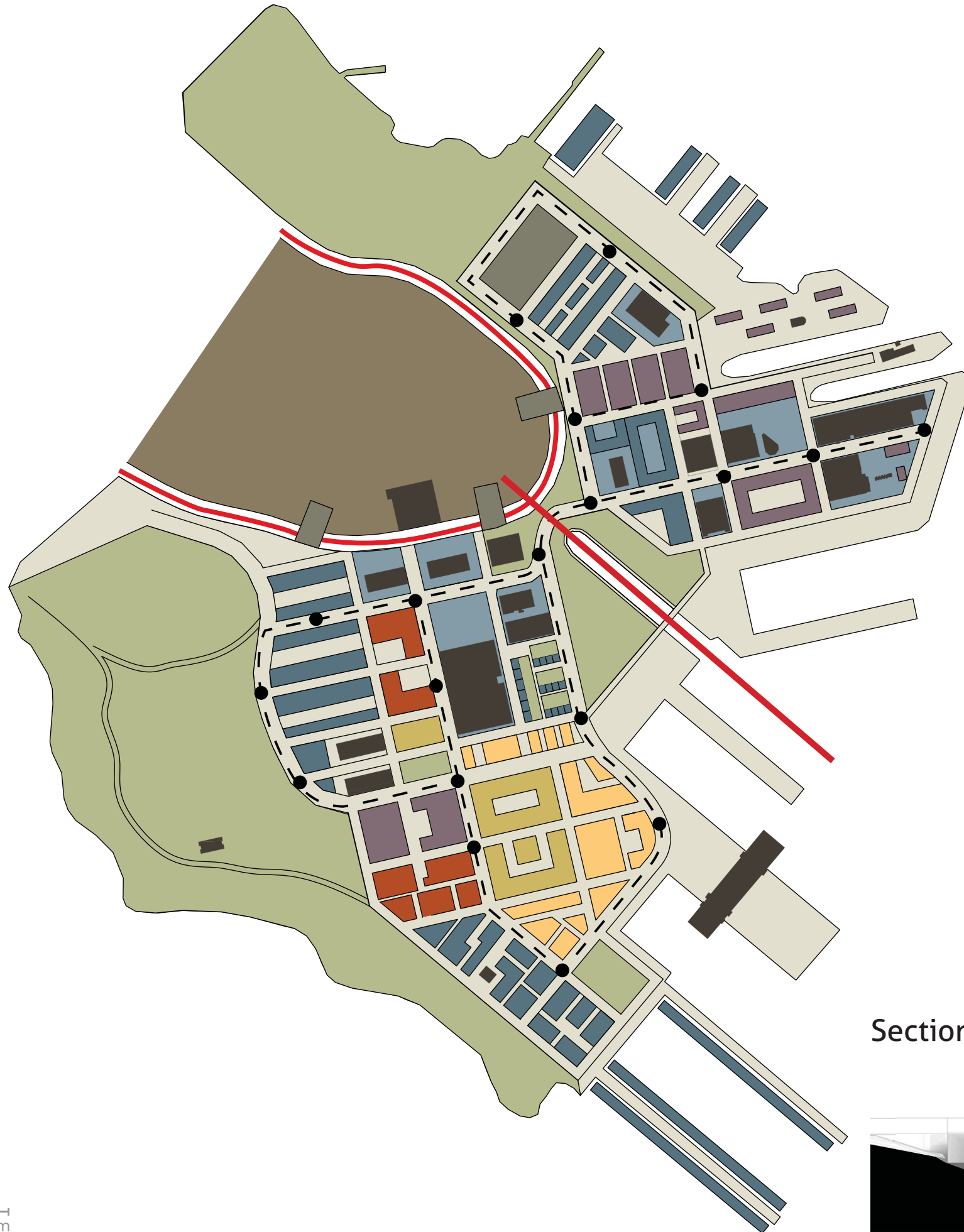
Section 2



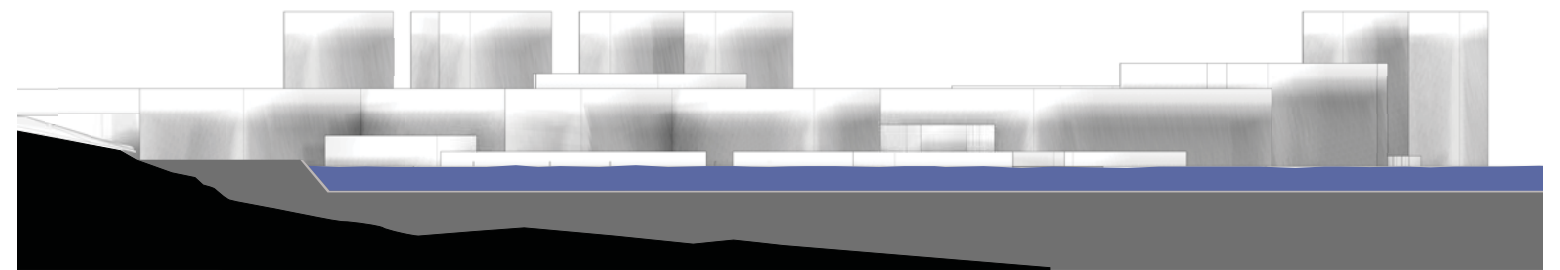
MASTER PLAN

Dominant functions for the particular area

- Research/education
- Office
- Culture
- Living
- Retail
- Park
- Recreation
- Services
- Public space at existing buildings
- Public transport
- Water defense line
- Highway



Section



100 m
| - 4429109 |

IMPRESSIONS



IMPRESSIONS



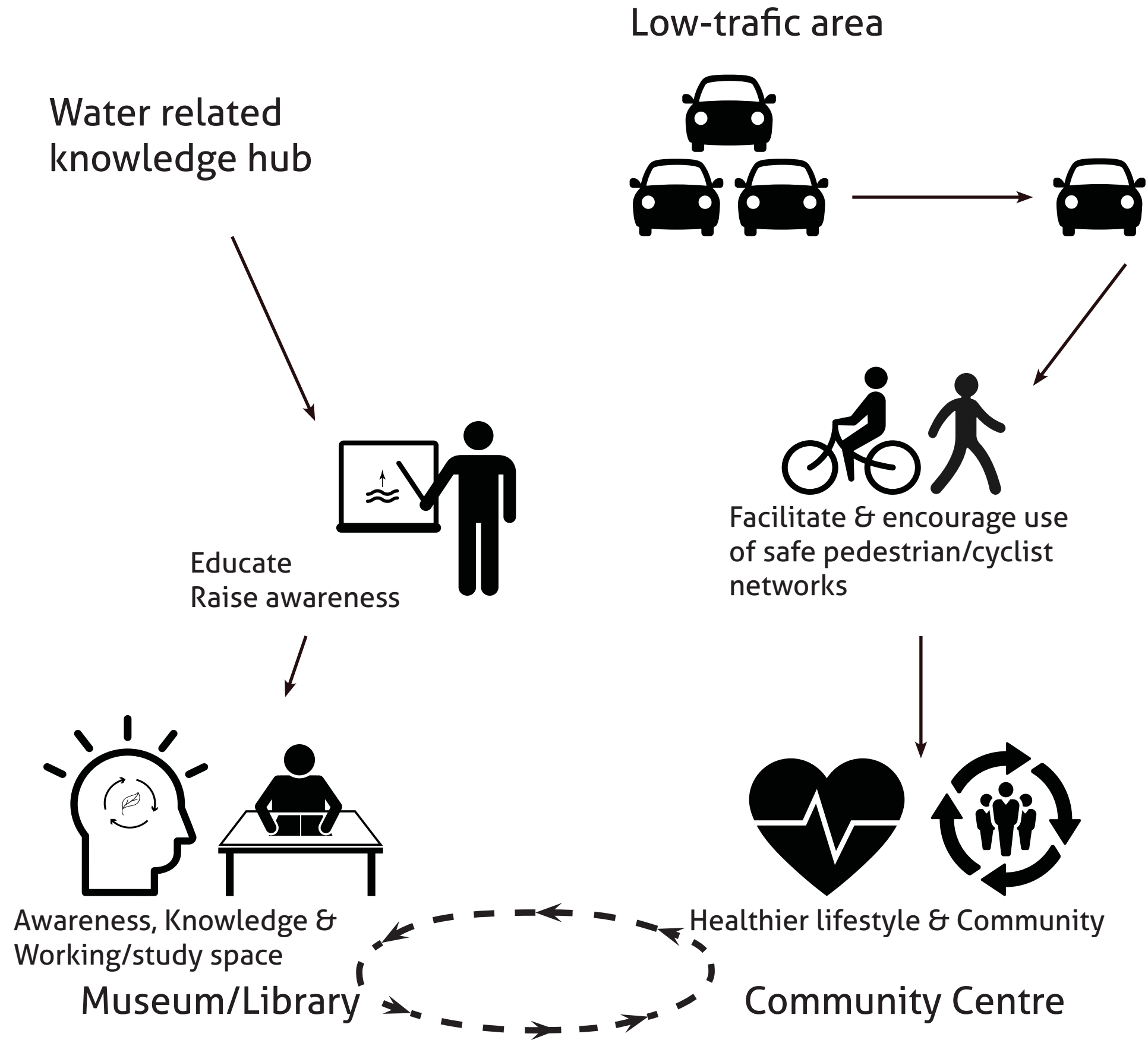
IMPRESSIONS



IMPRESSIONS



CONCEPT DESIGN



SITE

Central location
Good accessibility
Connecting north and south
Inherent connection to water (dry dock)



N

100 m

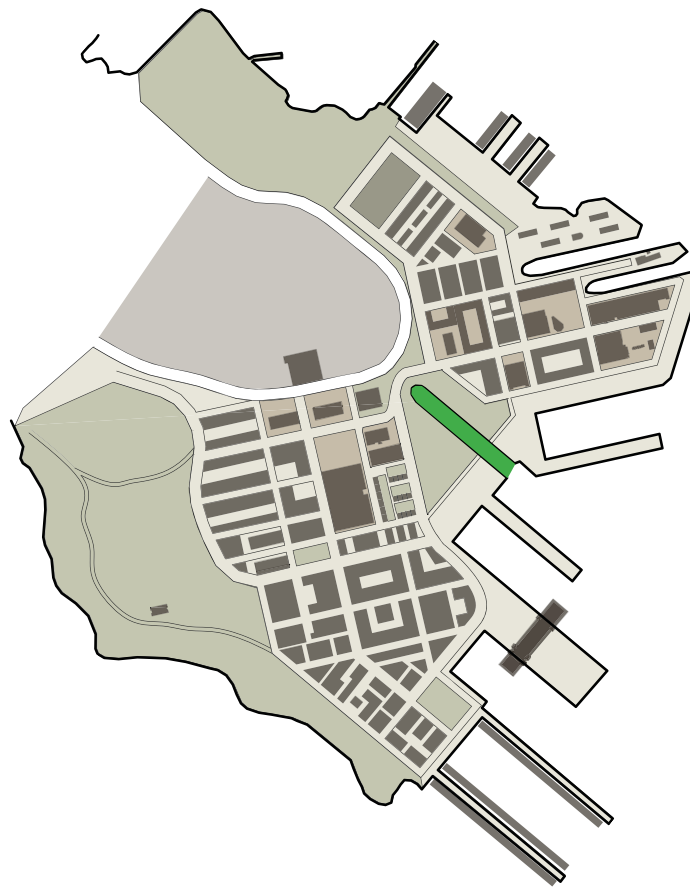
| - 4429109 |

GOALS

Connecting north and south Hunters Point



Facilitate access and a relationship to water through dry dock



Facilitate a connection and awareness of the bay

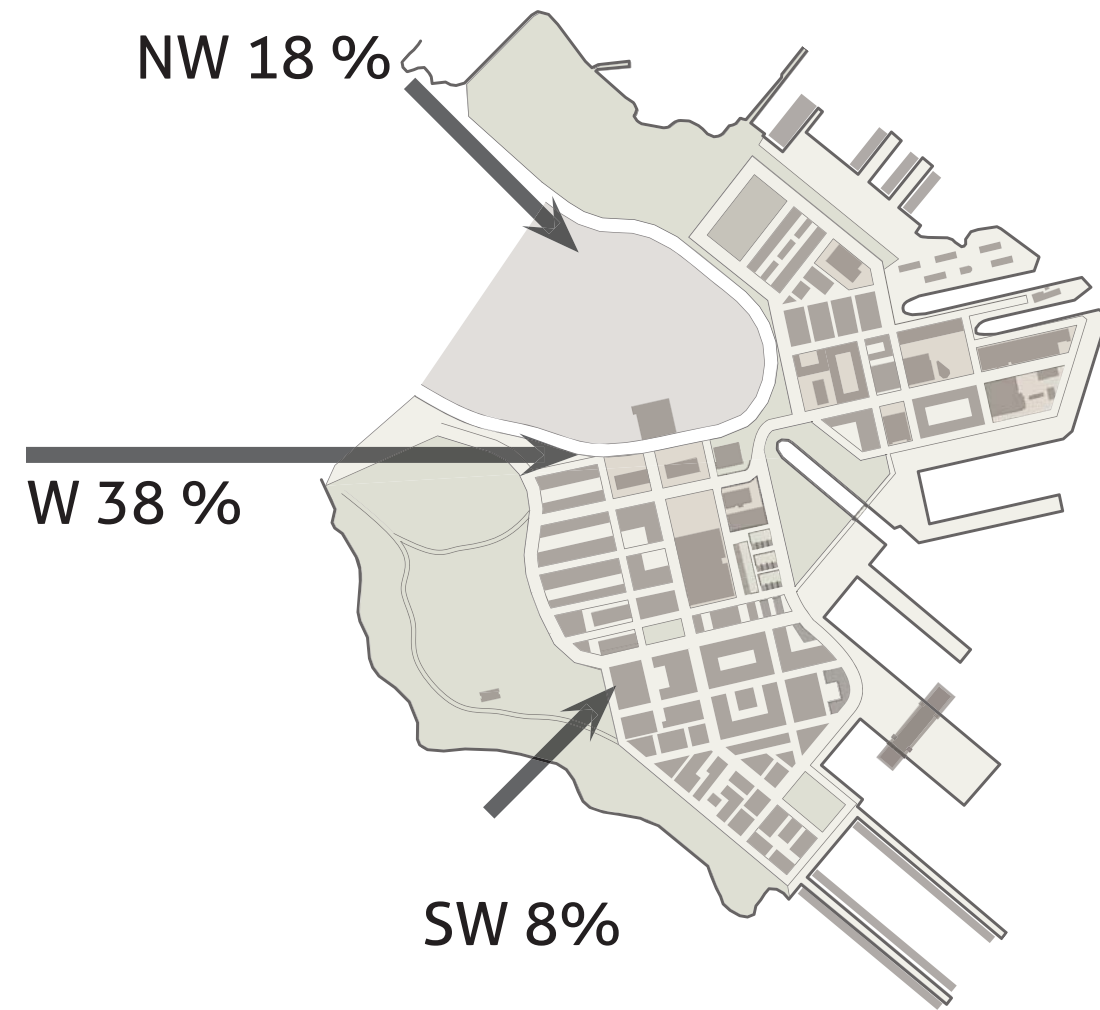


ENVIRONMENT

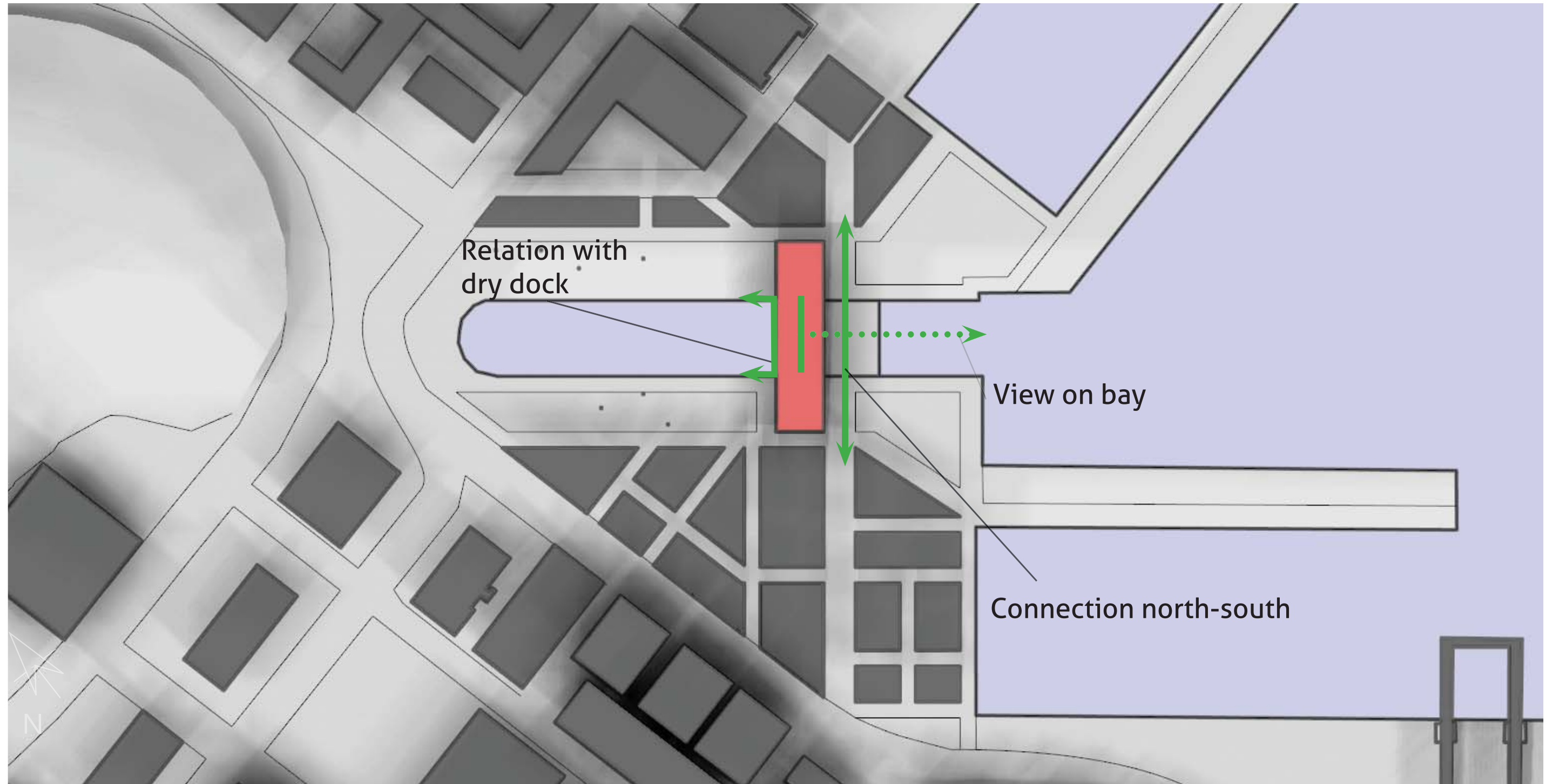
Sun



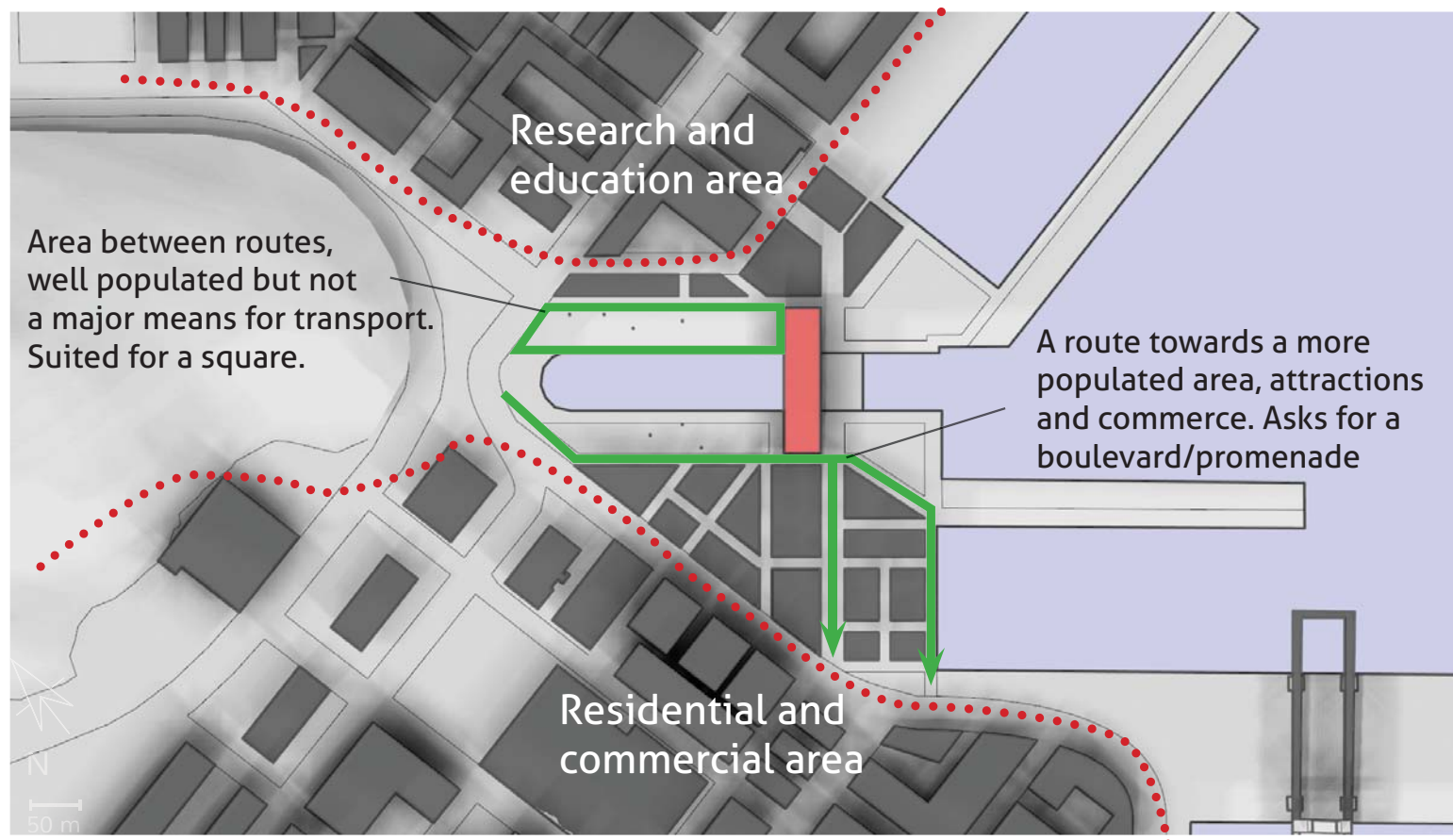
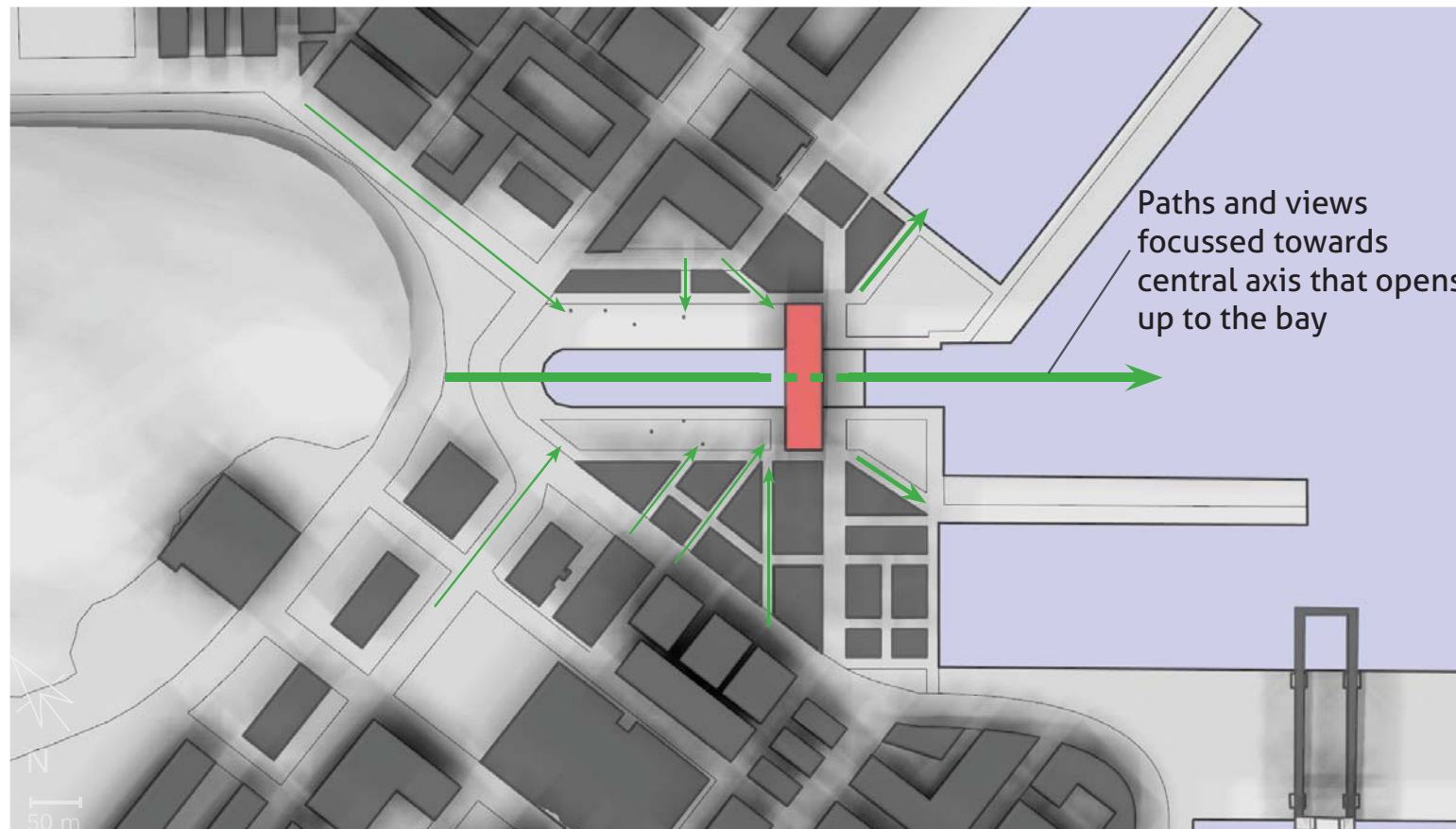
Wind



BUILDING LOCATION



SITE PLAN



SITE PLAN

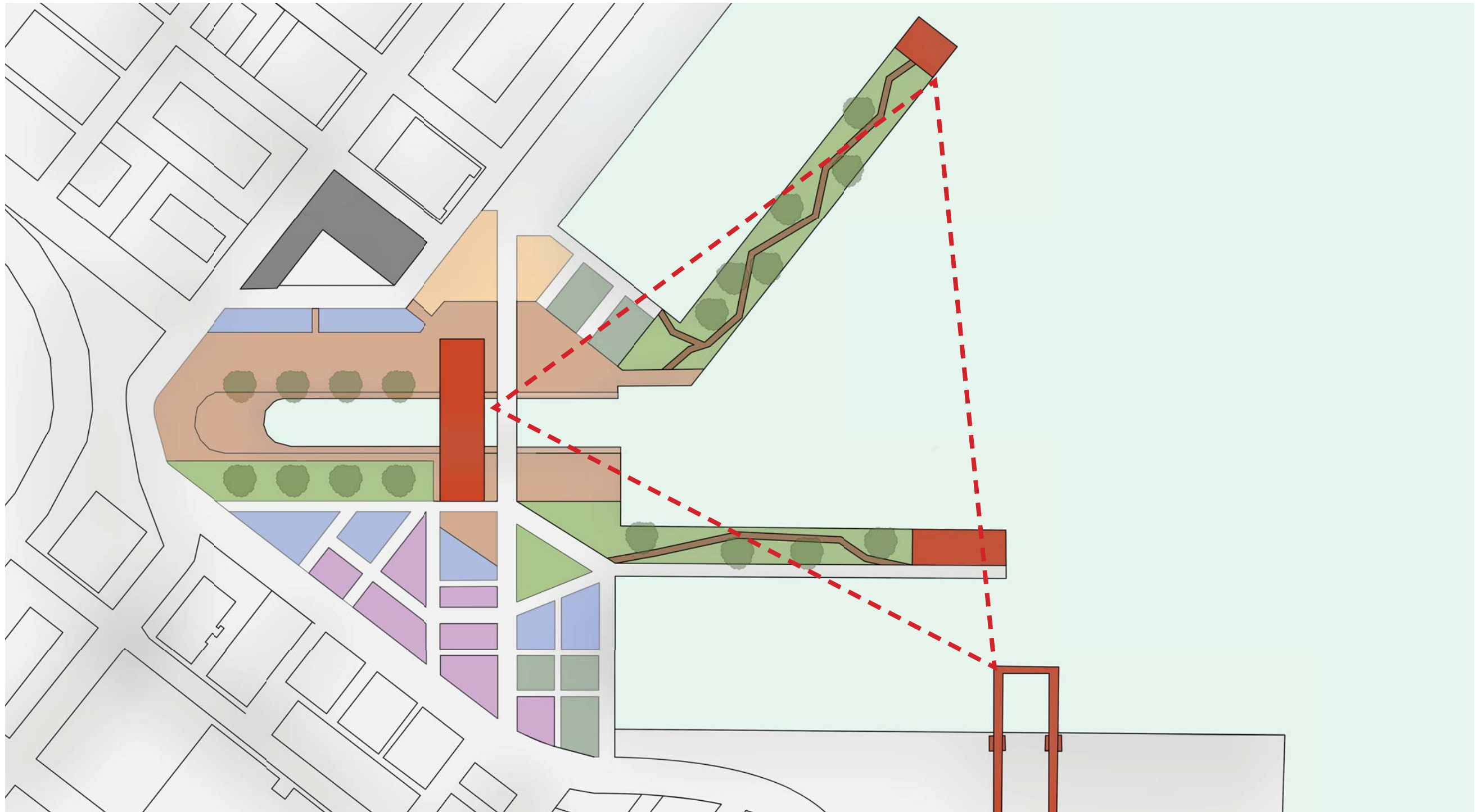


N

50 m

- | | | | |
|---|--|--|---|
|  Community centre |  Shops |  Theatre/cinema |  Public square |
|  Bars, cafés, restaurants |  Recreation |  Parks |  Bay water |

SITE PLAN



N

50 m

 Community centre

 Shops

 Theatre/cinema

 Public square

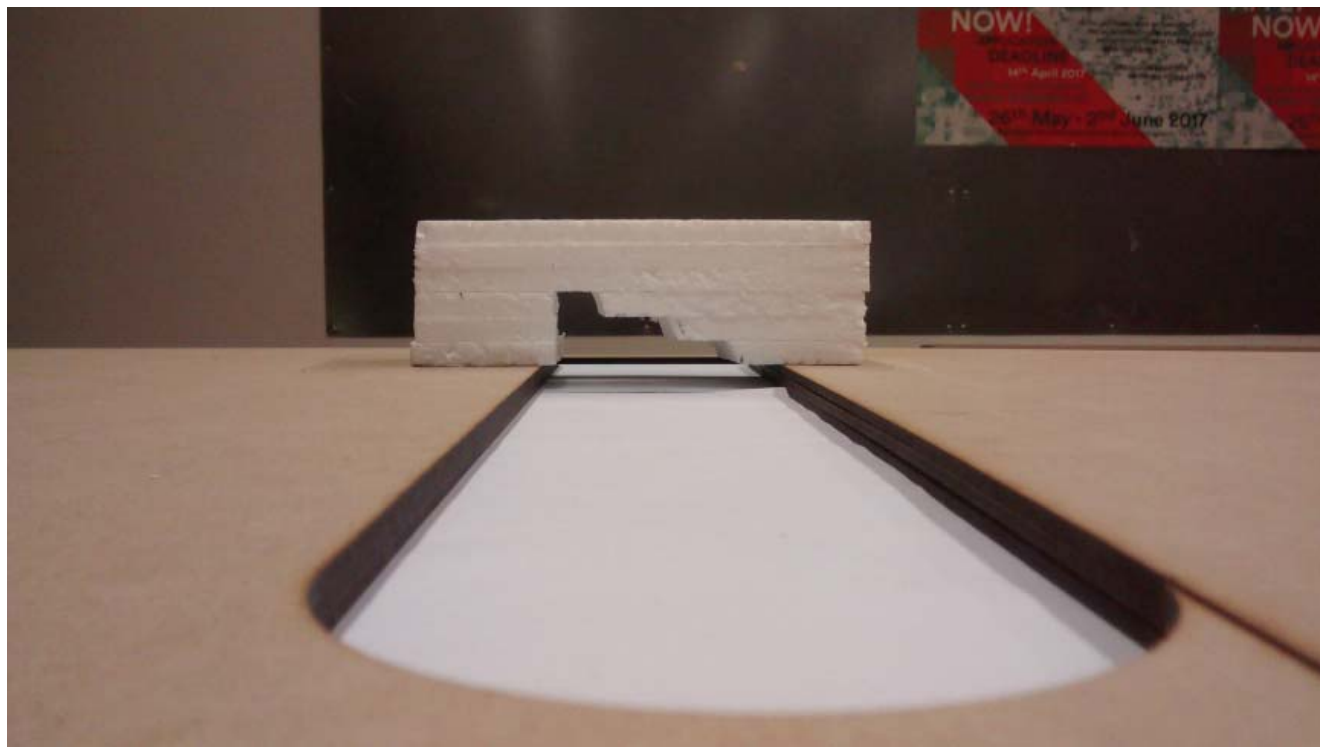
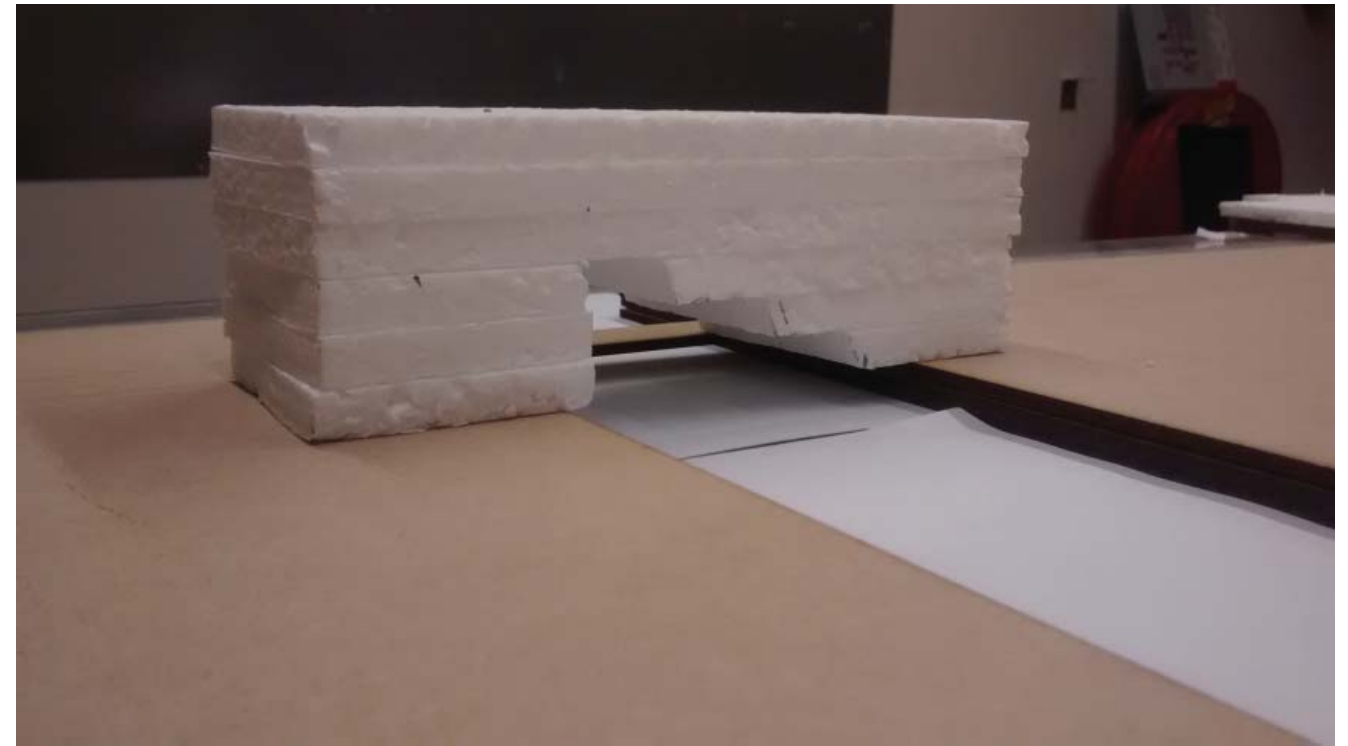
 Bars, cafés, restaurants

 Recreation

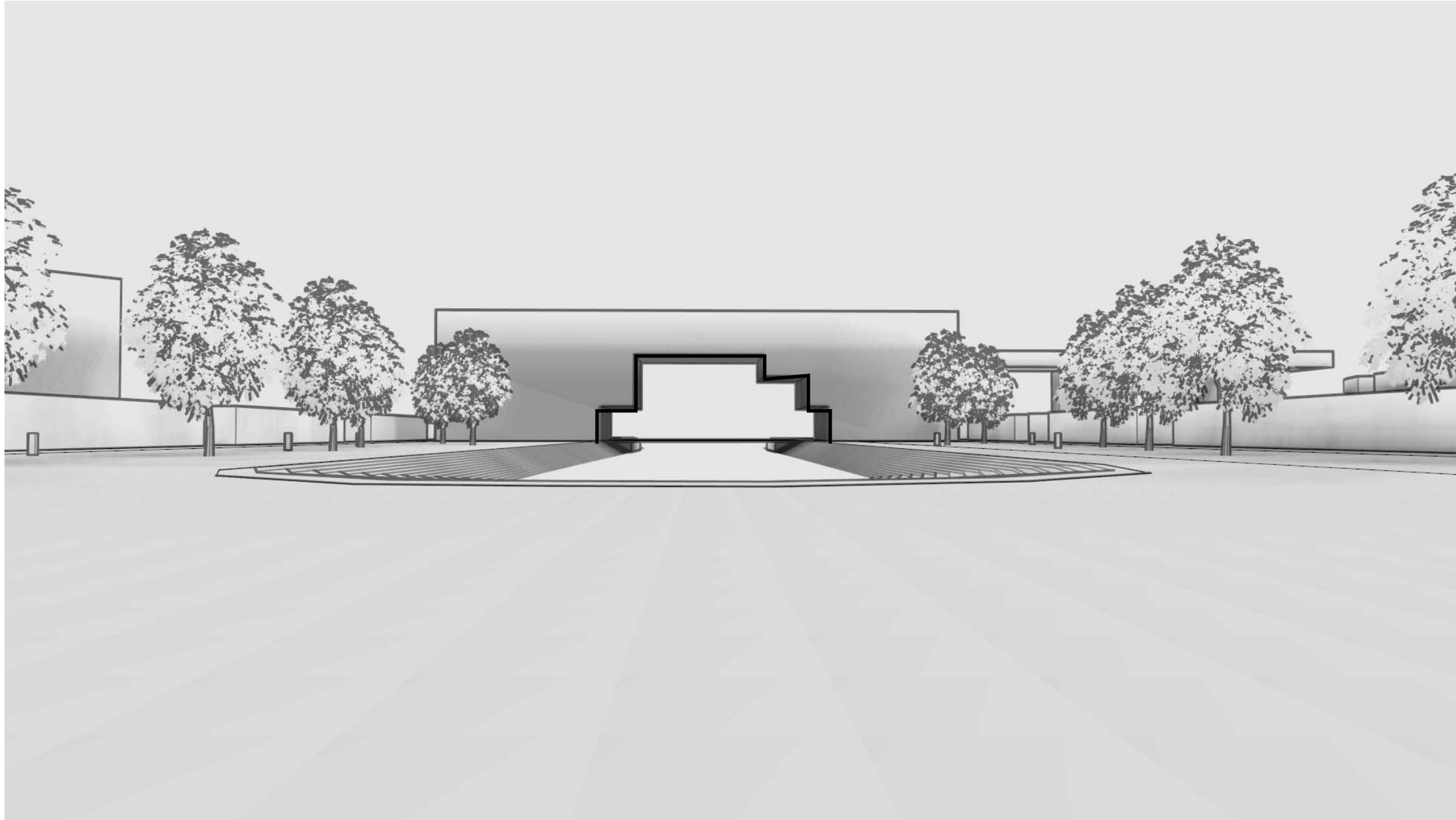
 Parks

 Bay water

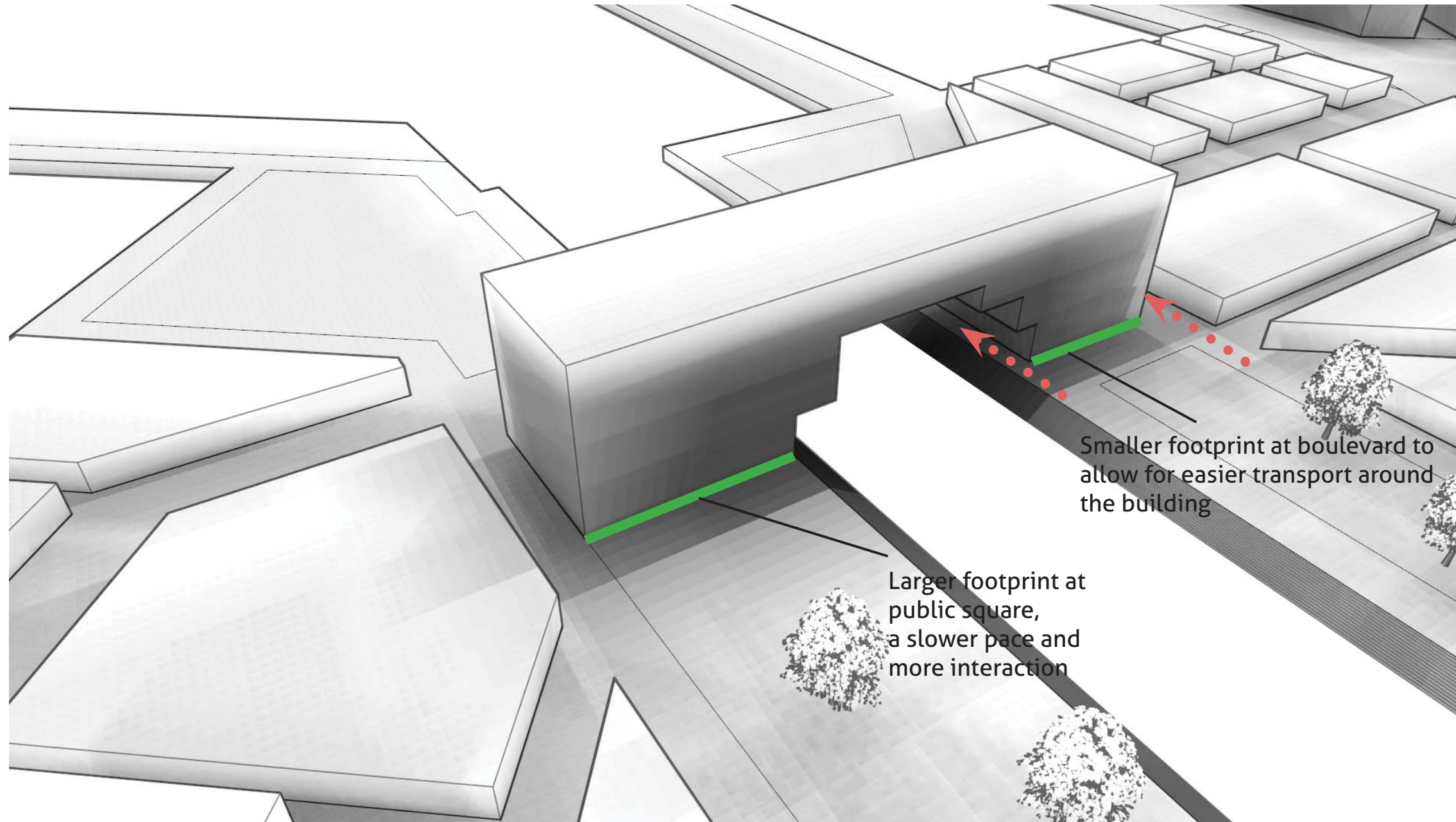
BUILDING MASS



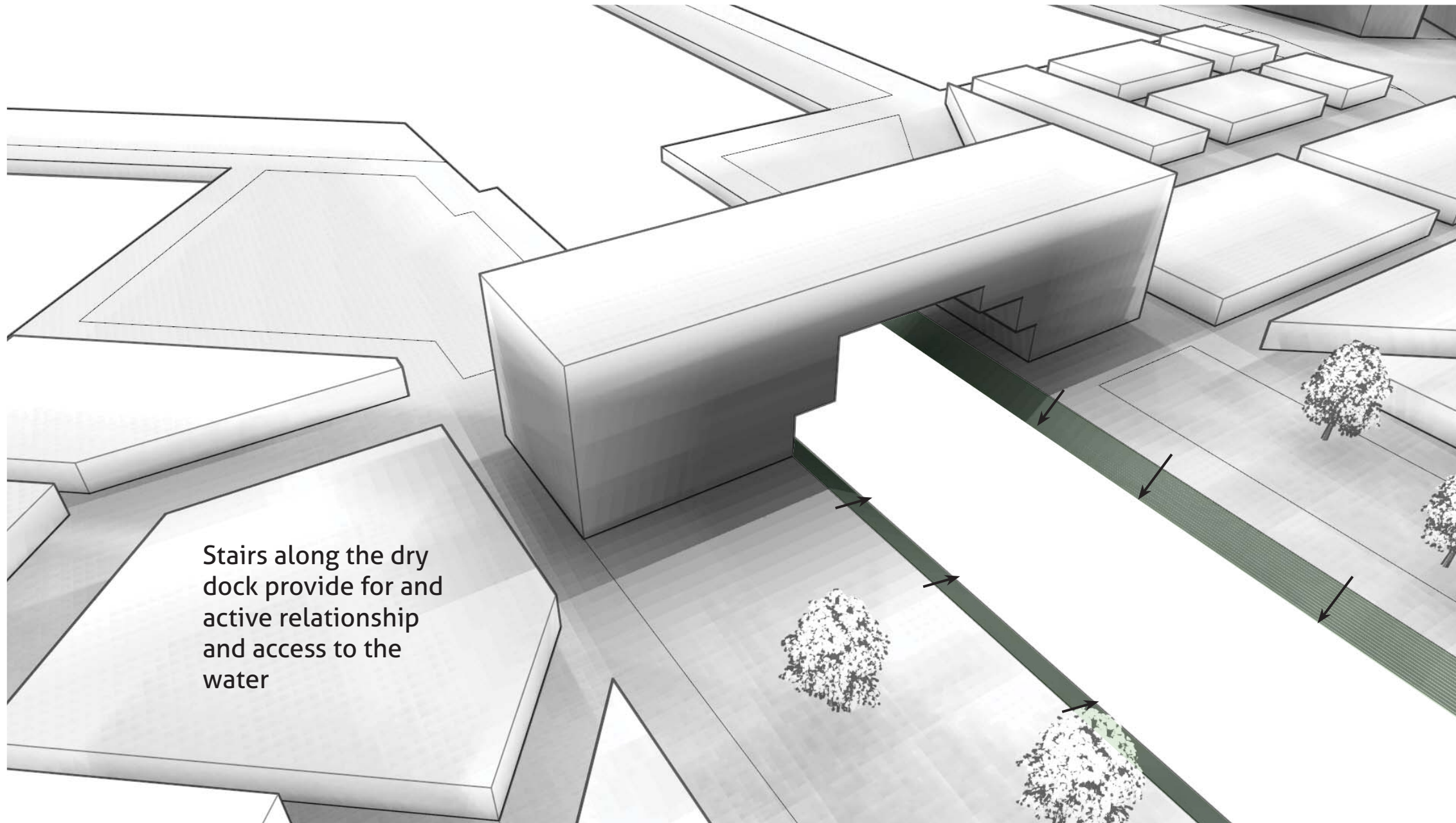
FRAMING



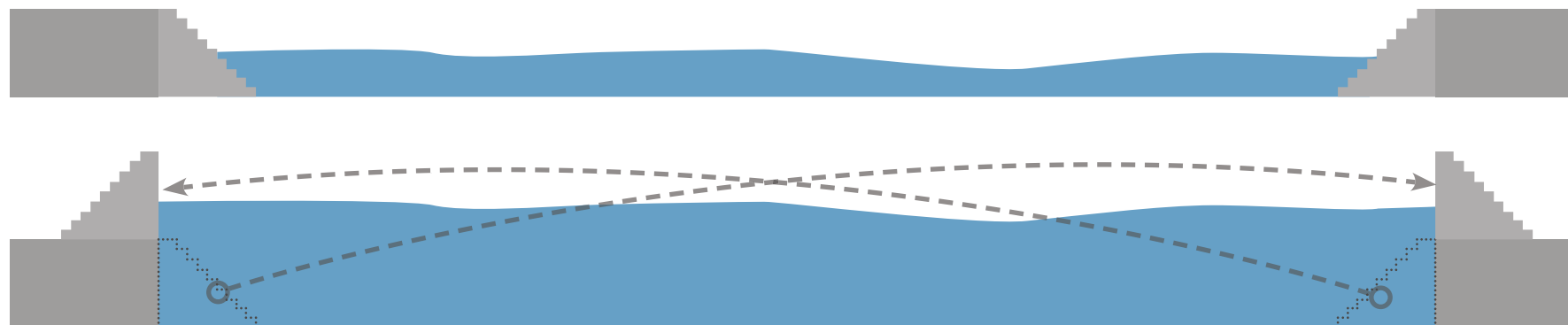
CONCEPT



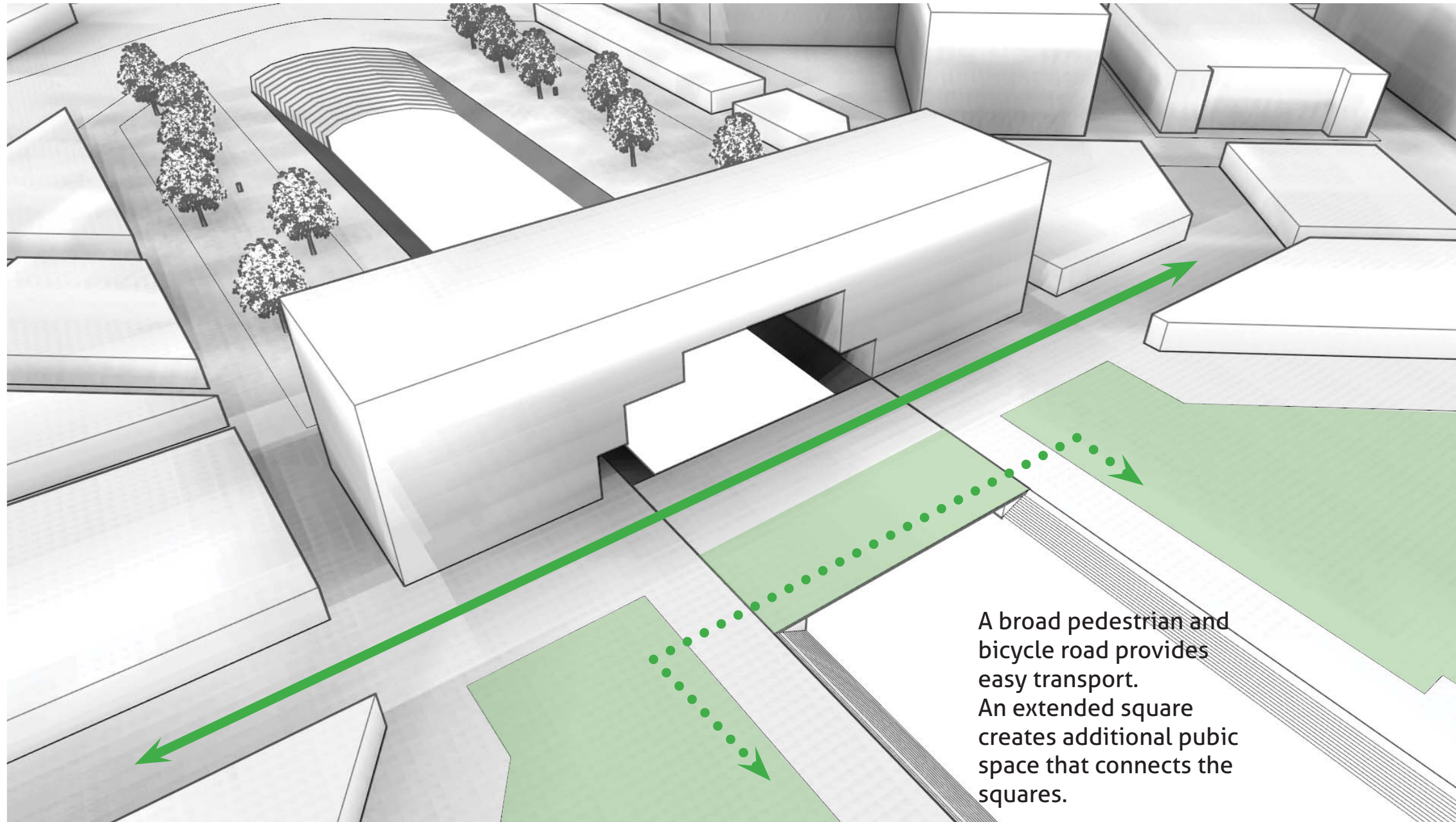
CONCEPT



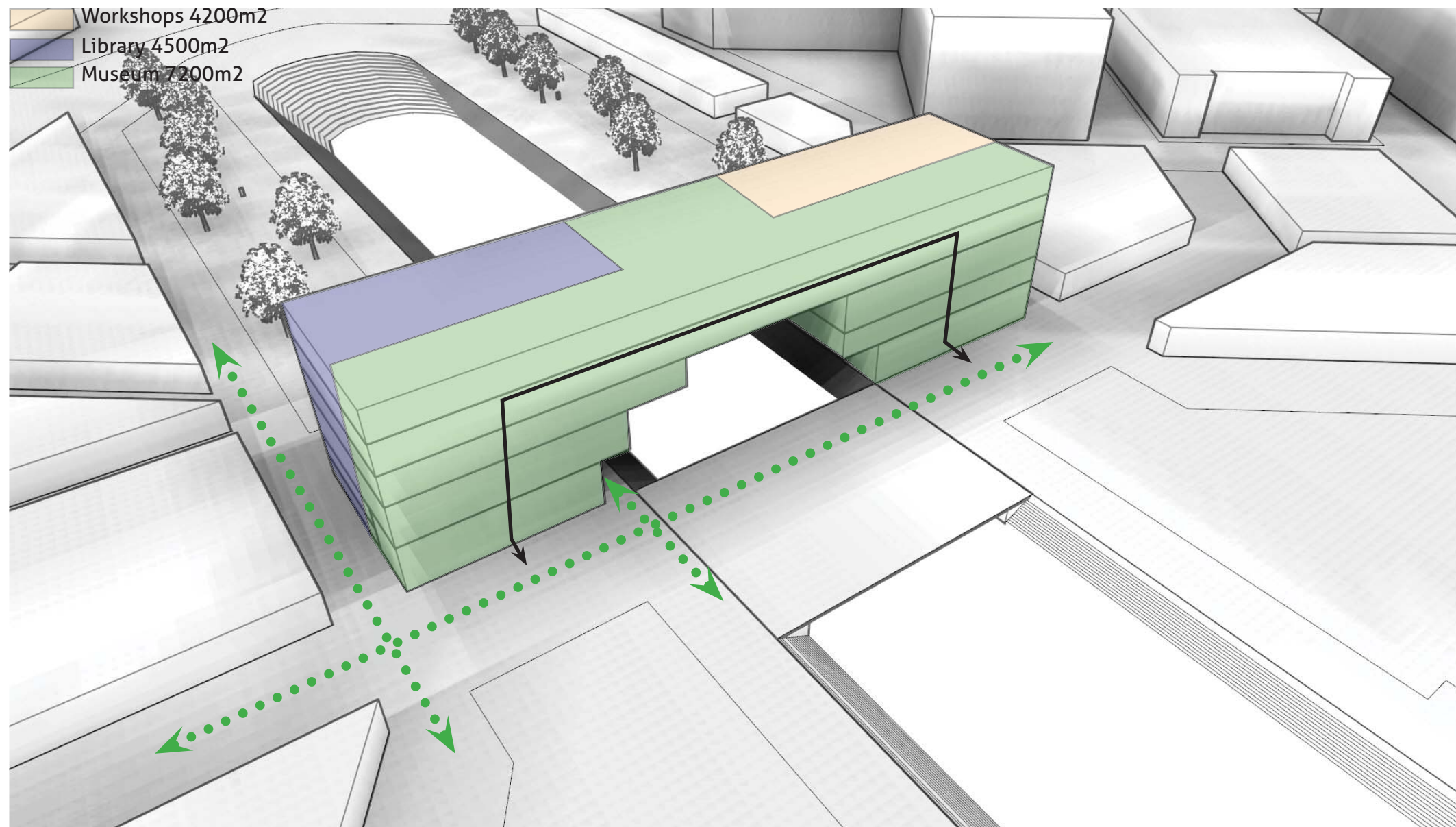
Stairs along the dry dock provide for and active relationship and access to the water



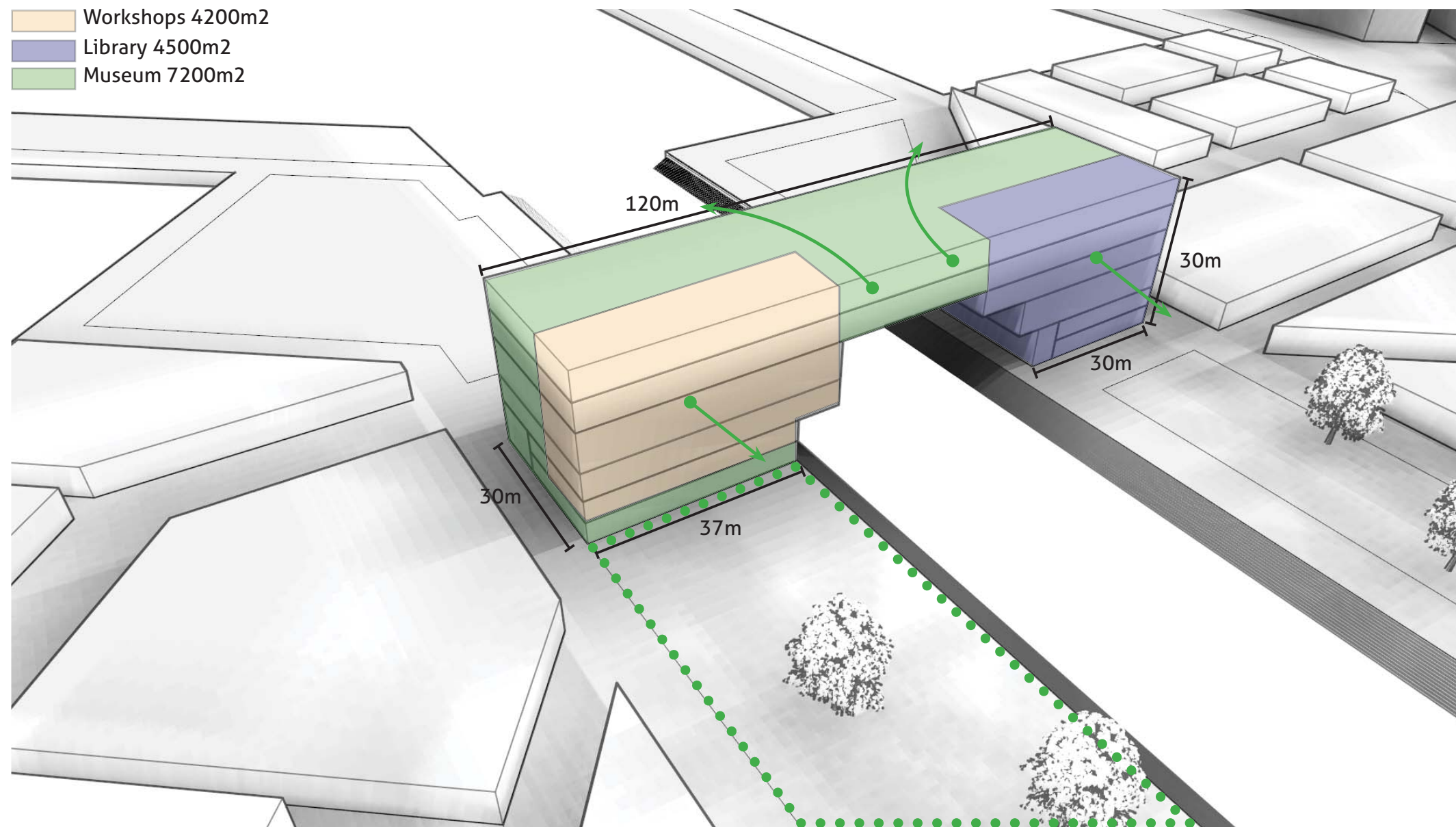
CONCEPT



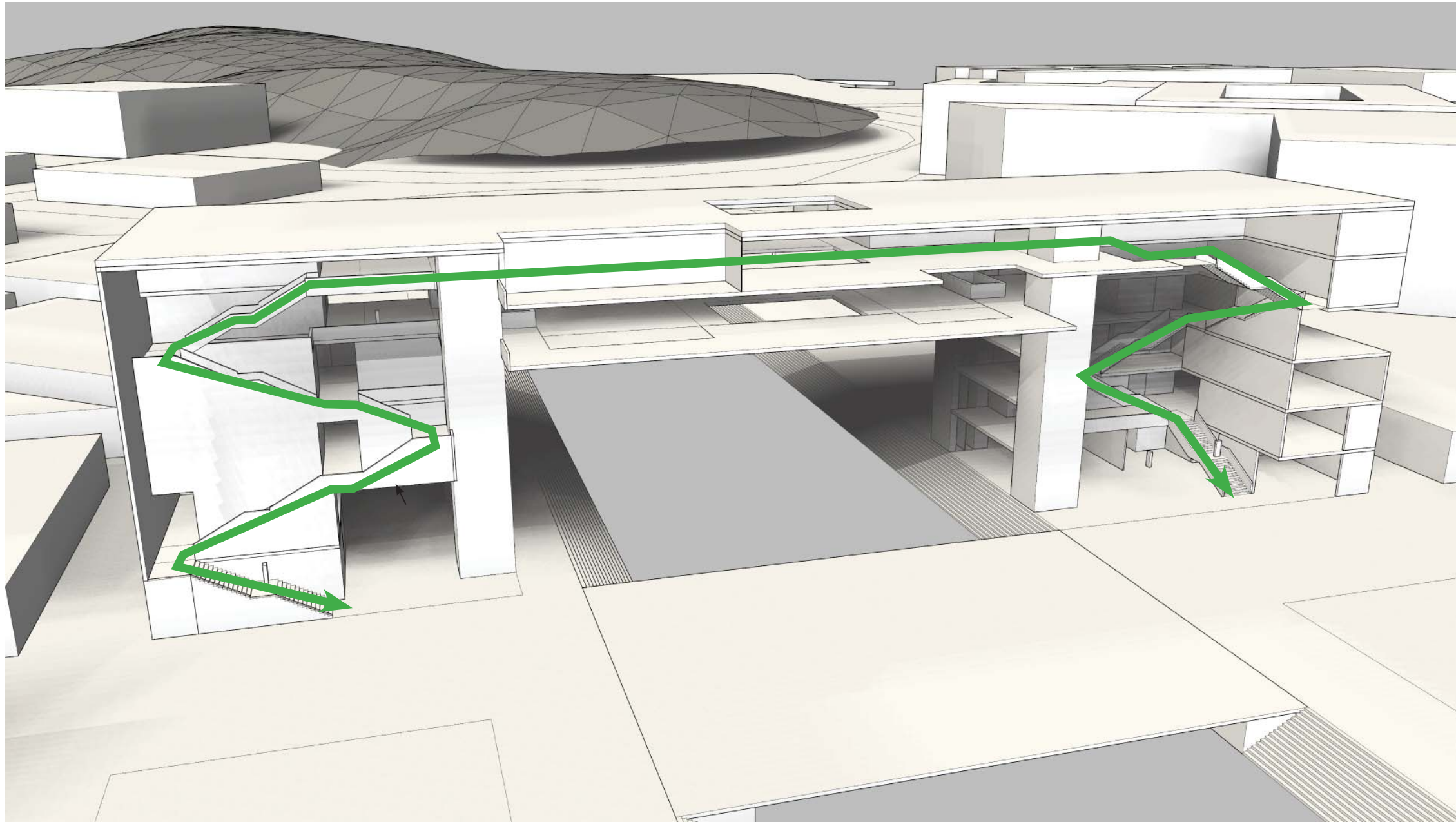
PROGRAM



PROGRAM

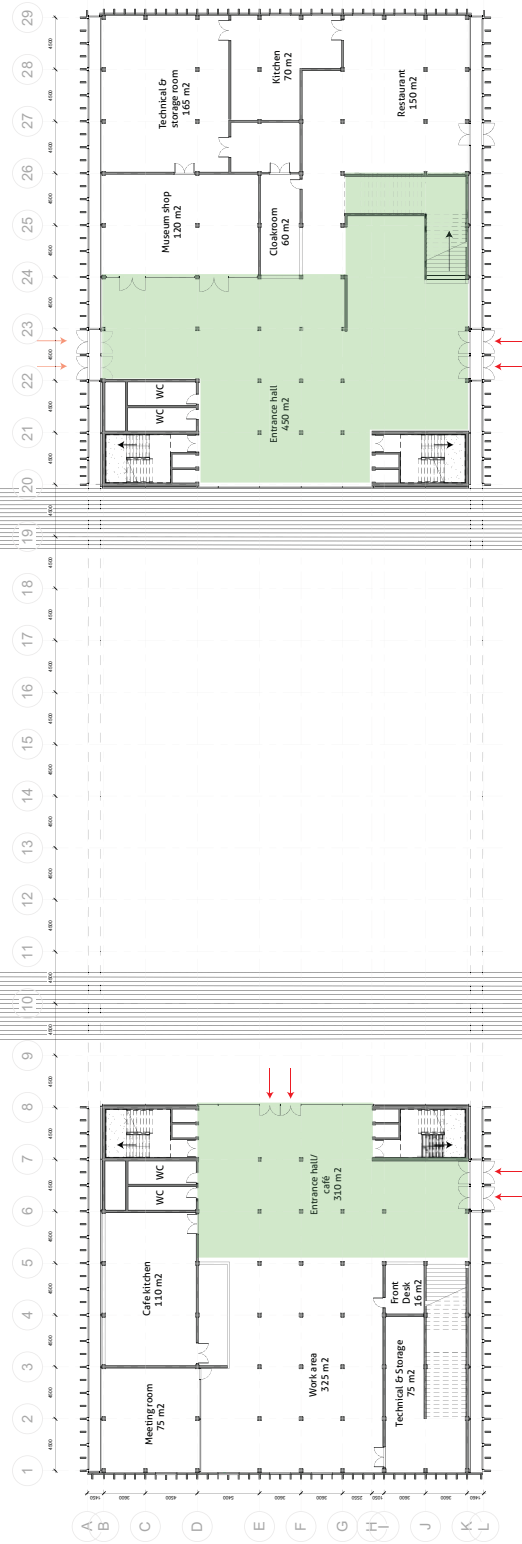


ROUTE

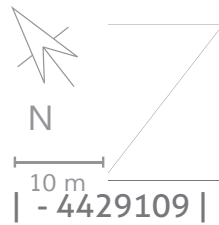
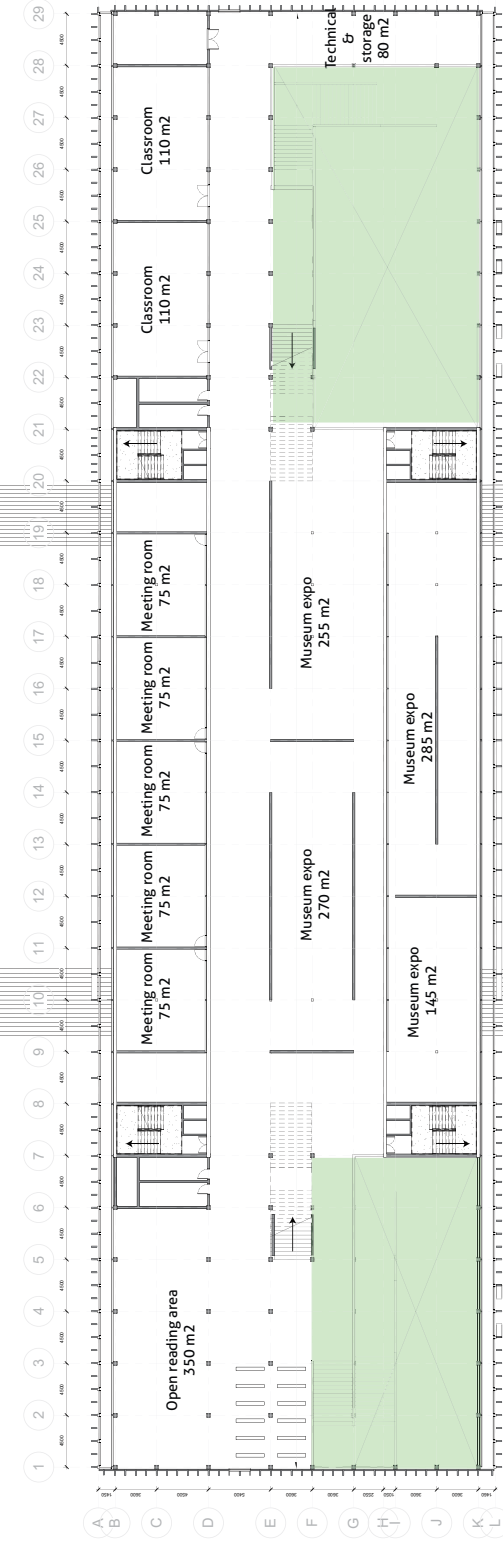


BUILDING PLAN

Ground floor

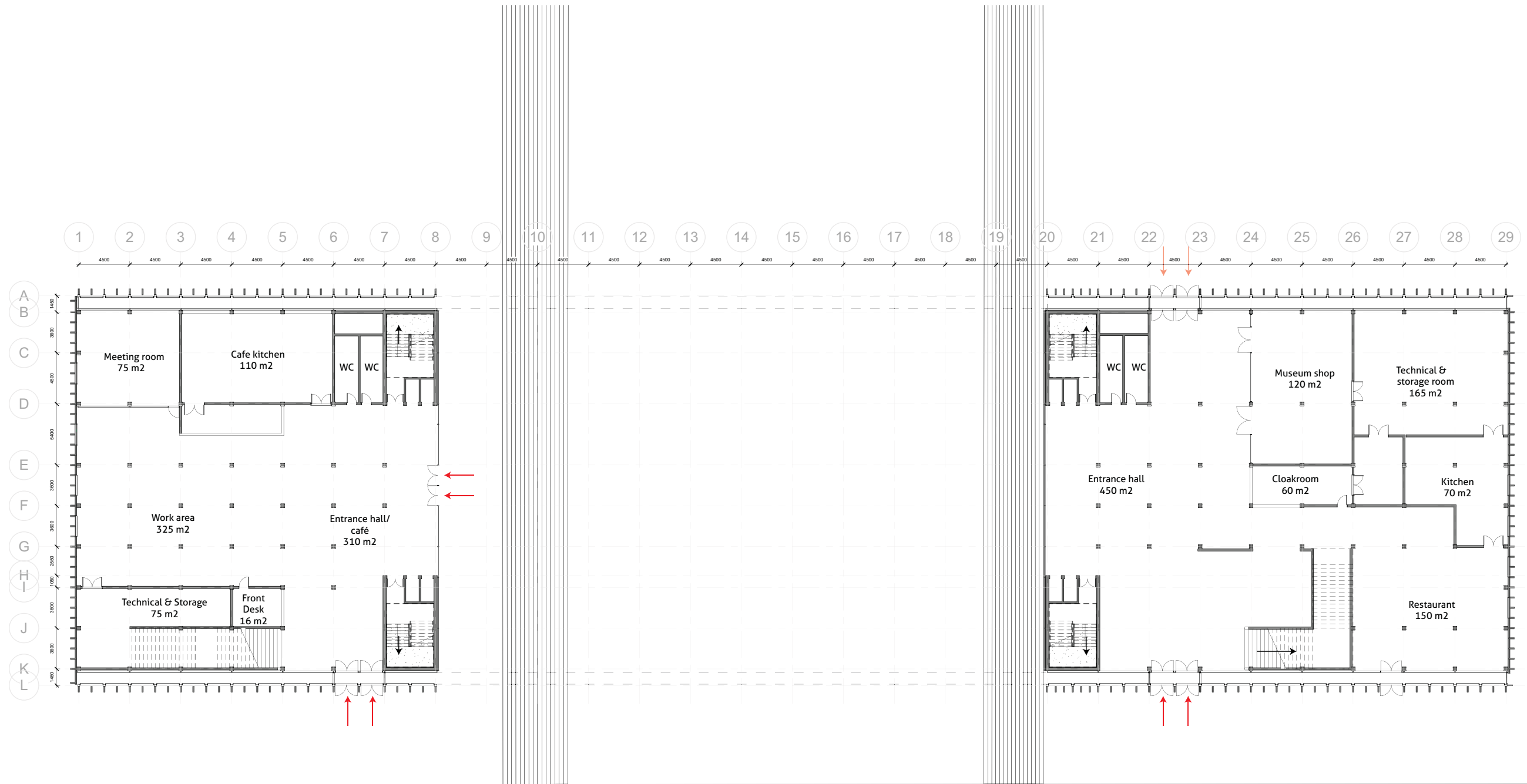


Fourth floor



FLOOR PLANS

Ground floor



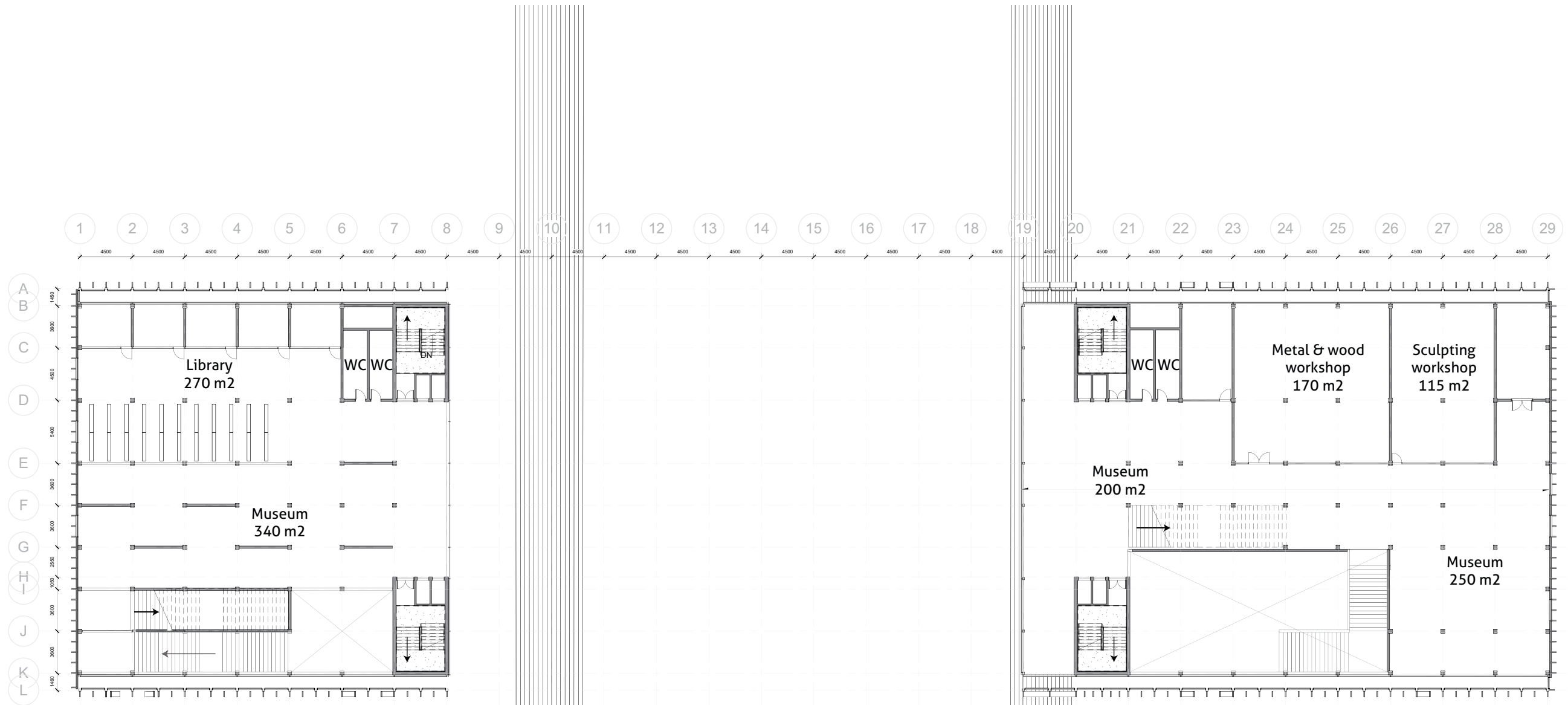
N

5 m

| - 4429109 |

FLOOR PLANS

Second floor



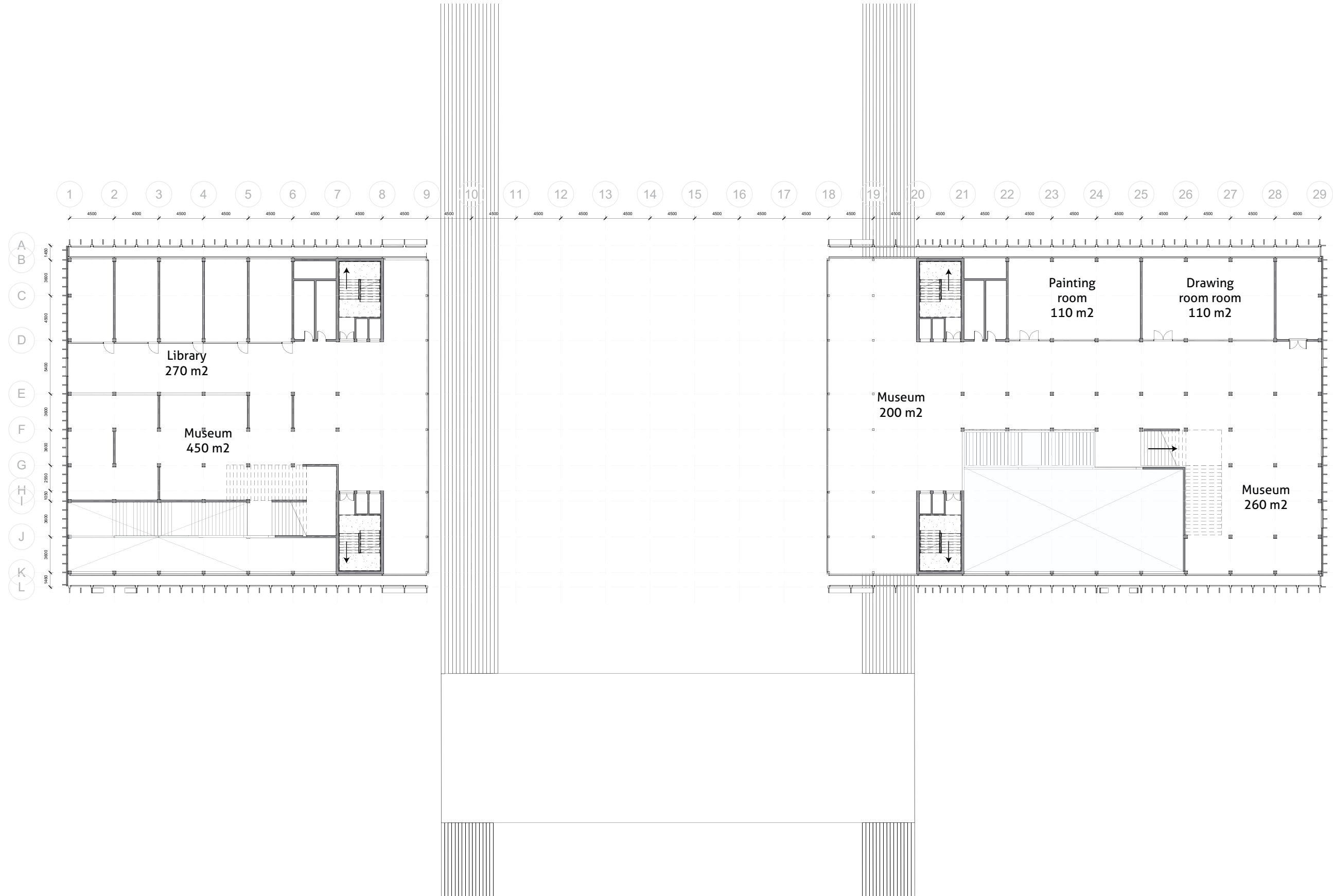
N

5 m

| - 4429109 |

FLOOR PLANS

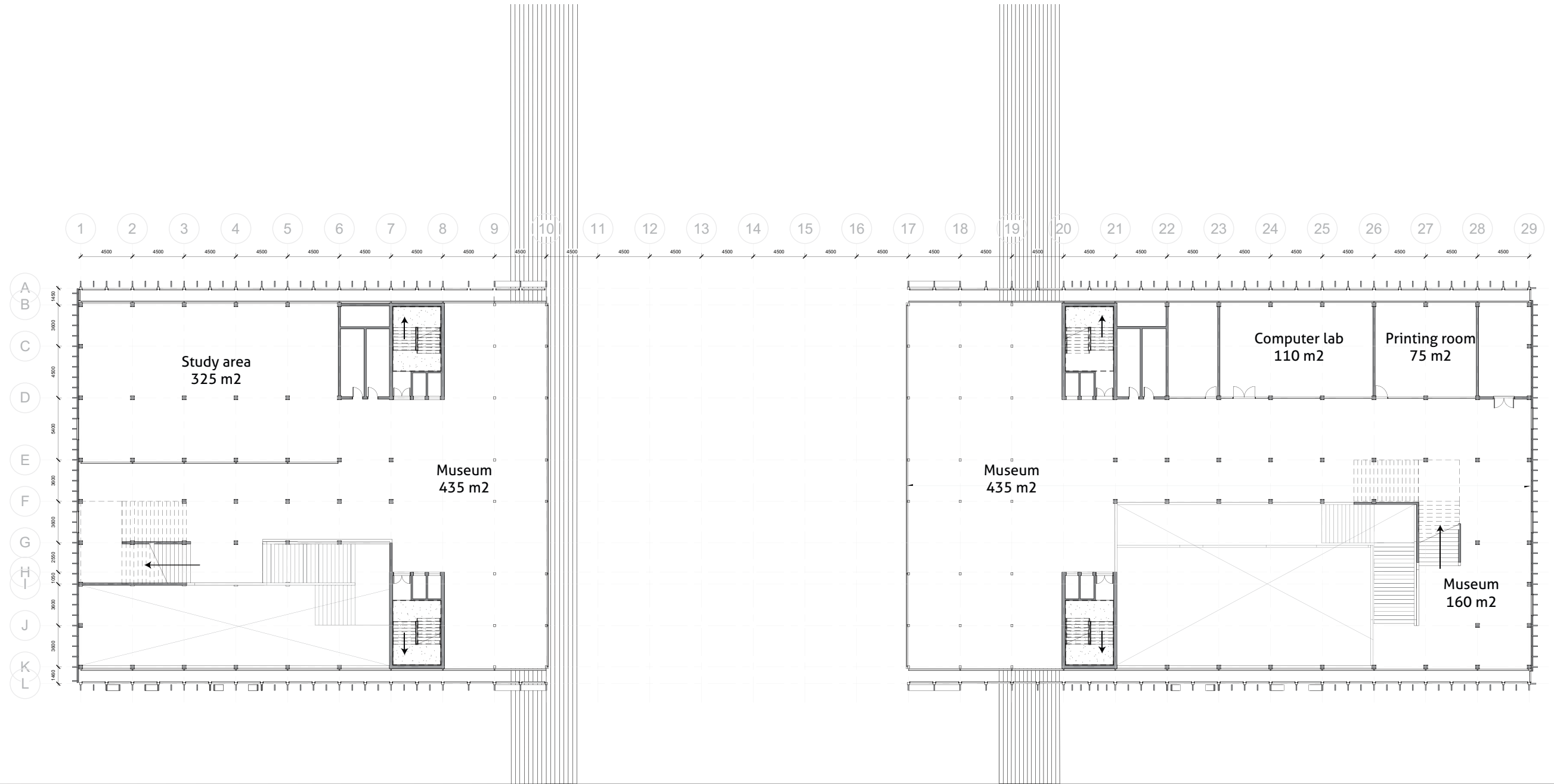
Third floor



5 m
| - 4429109 |

FLOOR PLANS

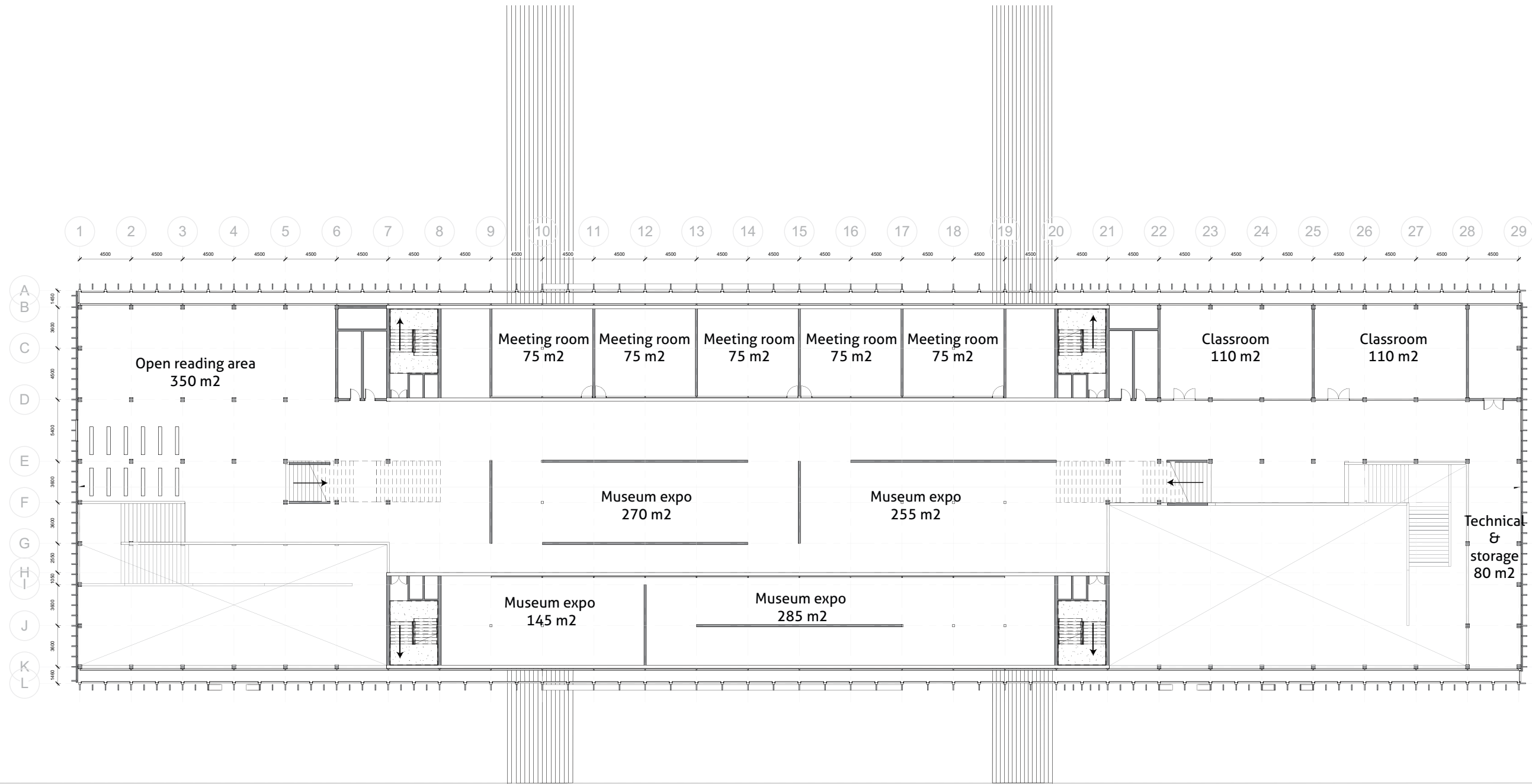
Fourth floor



5 m
| - 4429109 |

FLOOR PLANS

Fifth floor



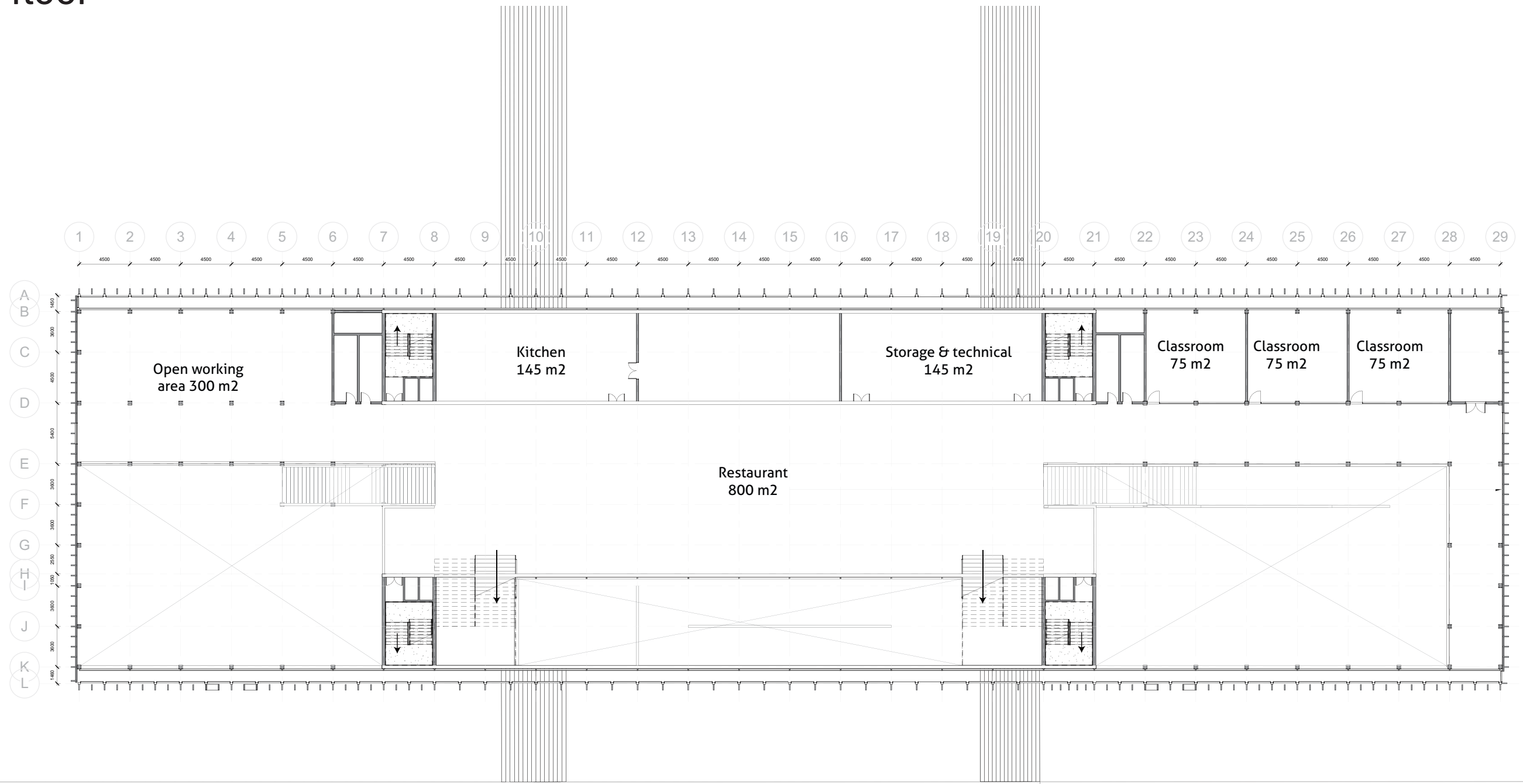
N

5 m

| - 4429109 |

FLOOR PLANS

Sixth floor



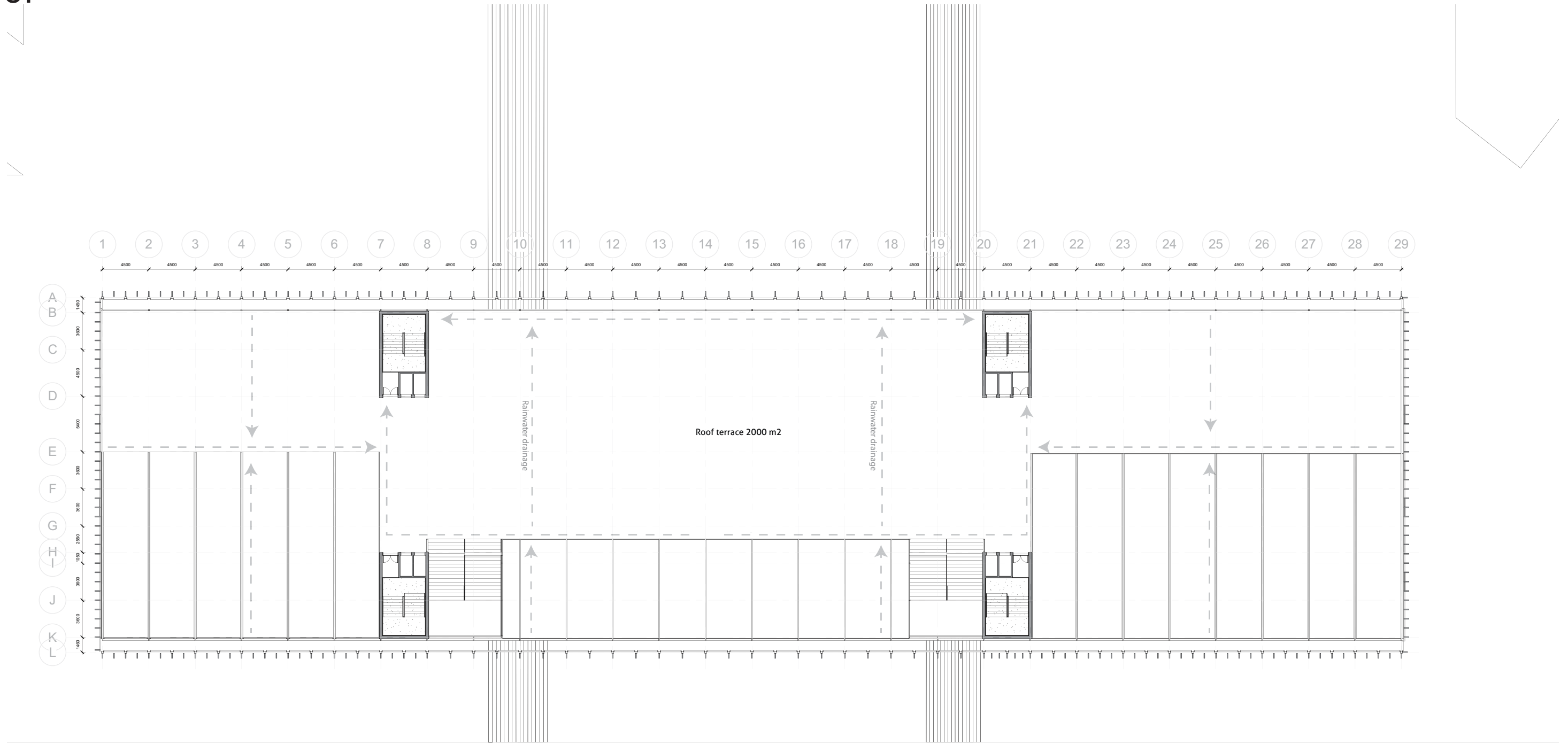
N

5 m

| - 4429109 |

FLOOR PLANS

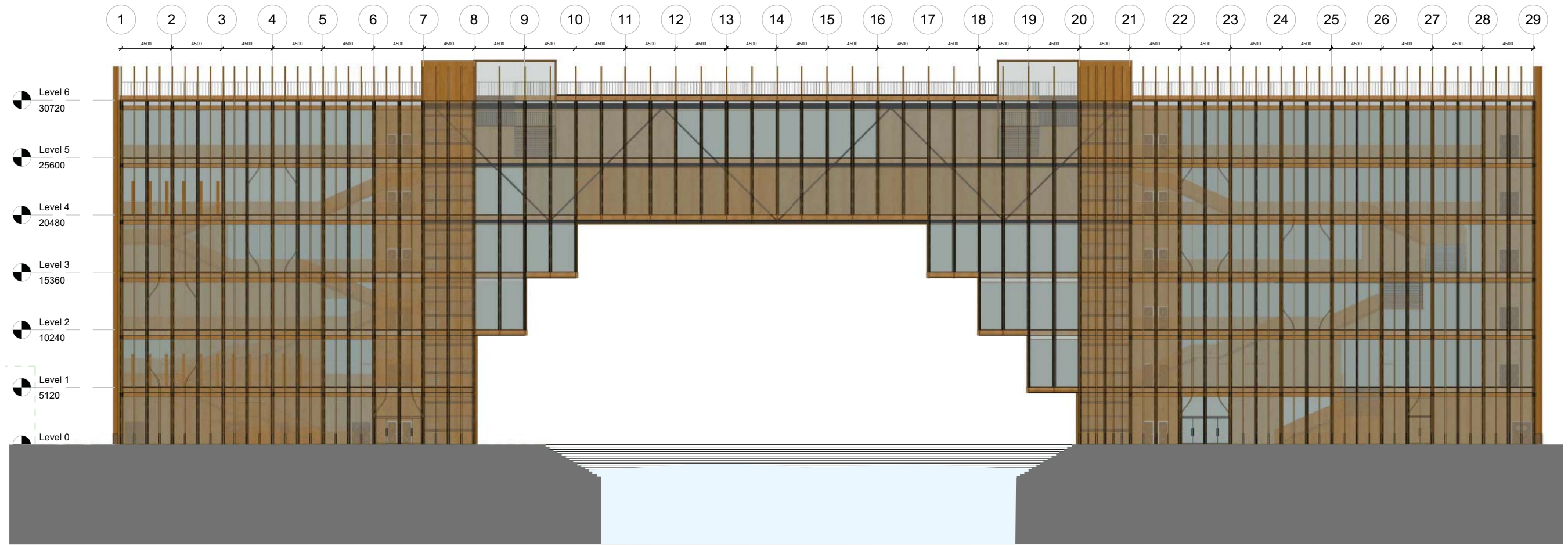
Roof



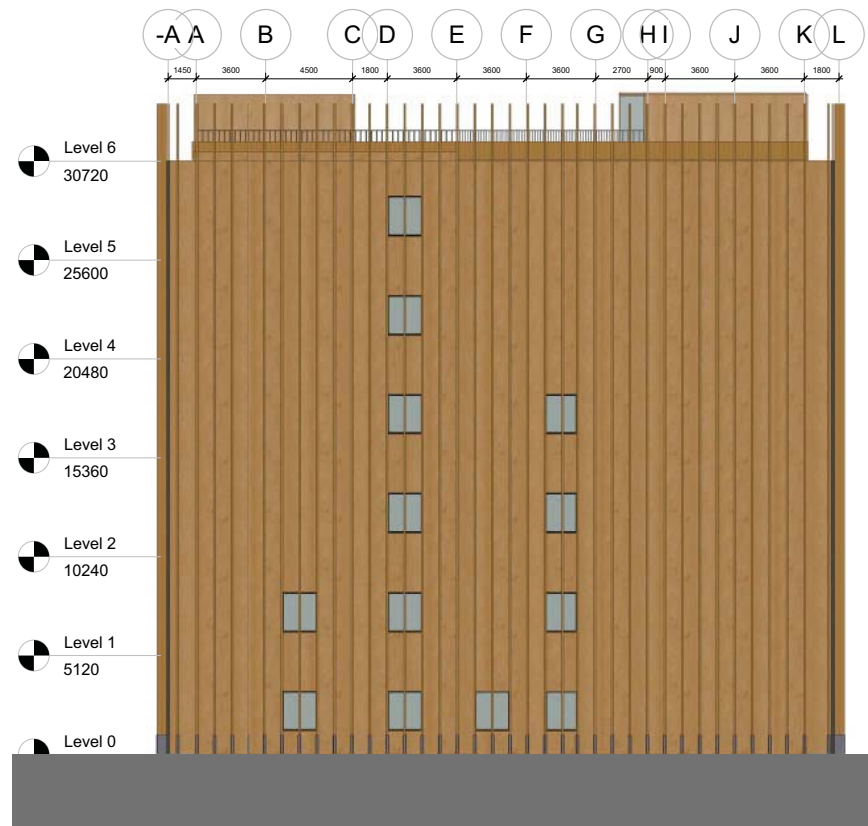
5 m
| - 4429109 |

ELEVATIONS

South-East facade



South-West facade

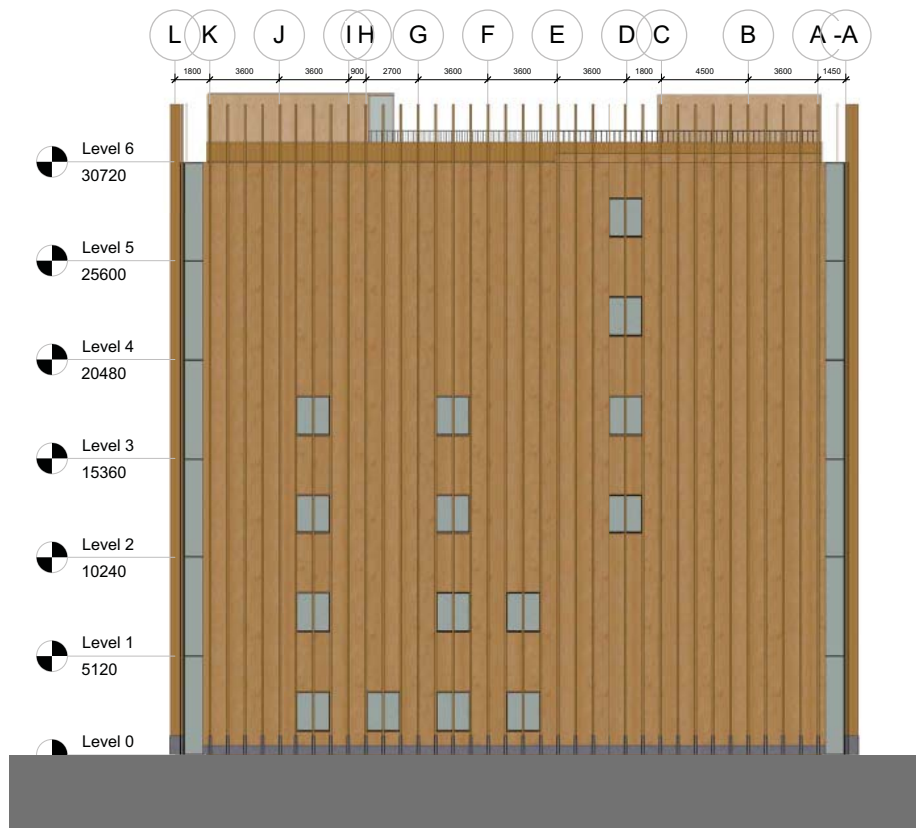


ELEVATIONS

South-East facade



South-West facade



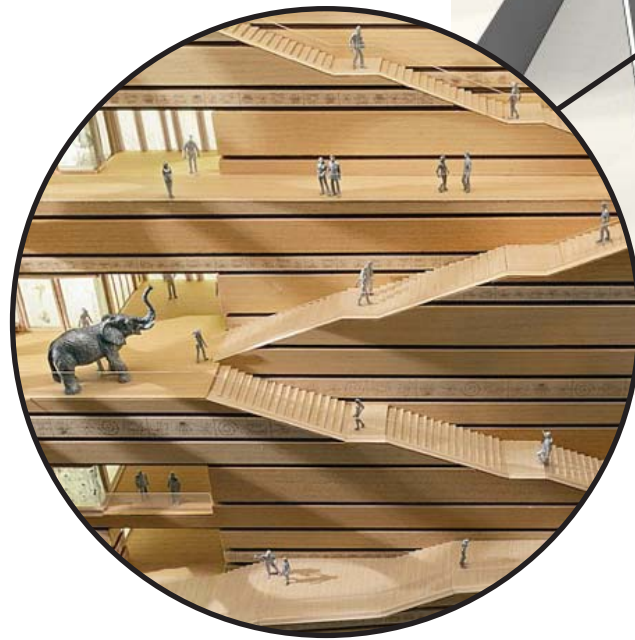
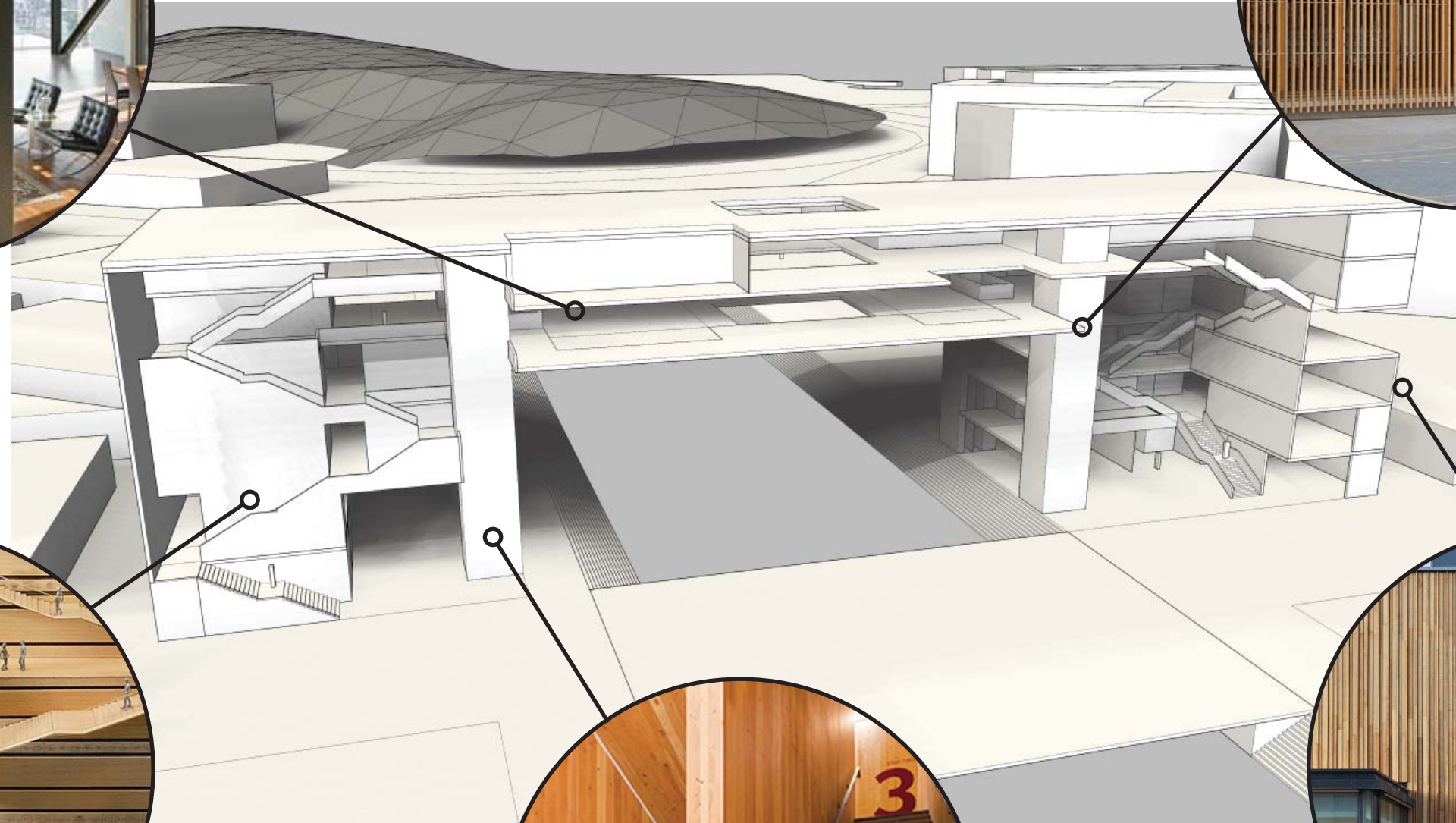
MATERIALS



Steel truss through interior



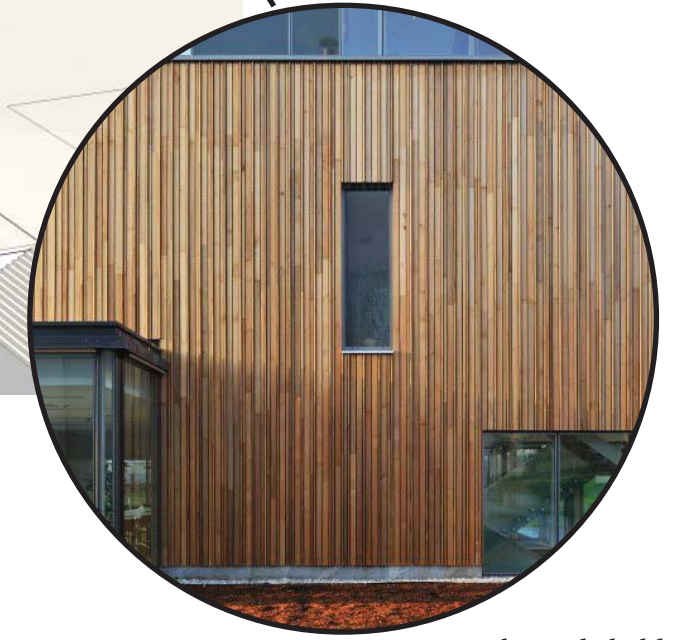
Wooden ribs on facade



Wooden cascading stairs

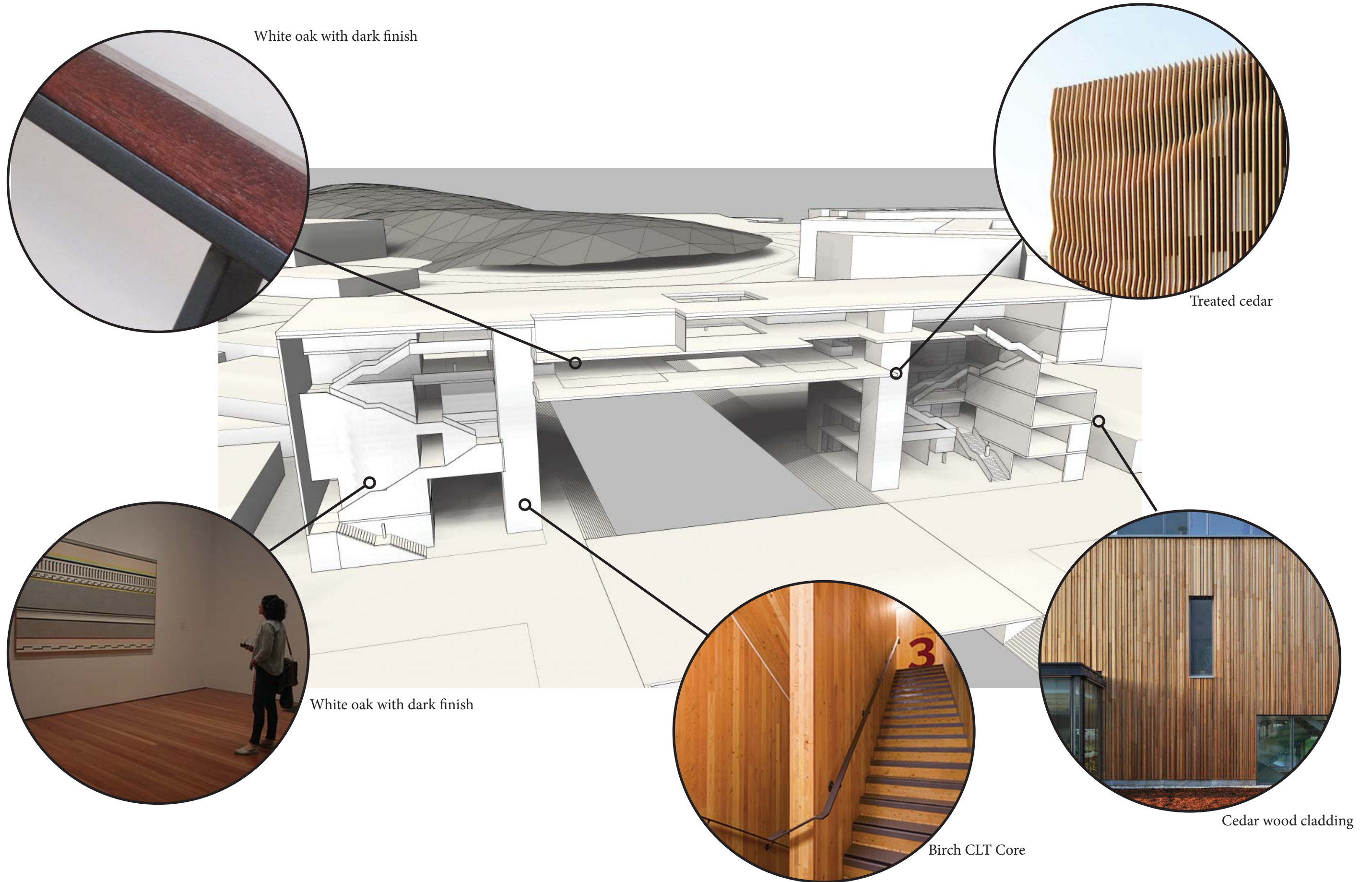


CLT Core



Vertical wood cladding between lamellae

MATERIALS WOOD



White oak with dark finish

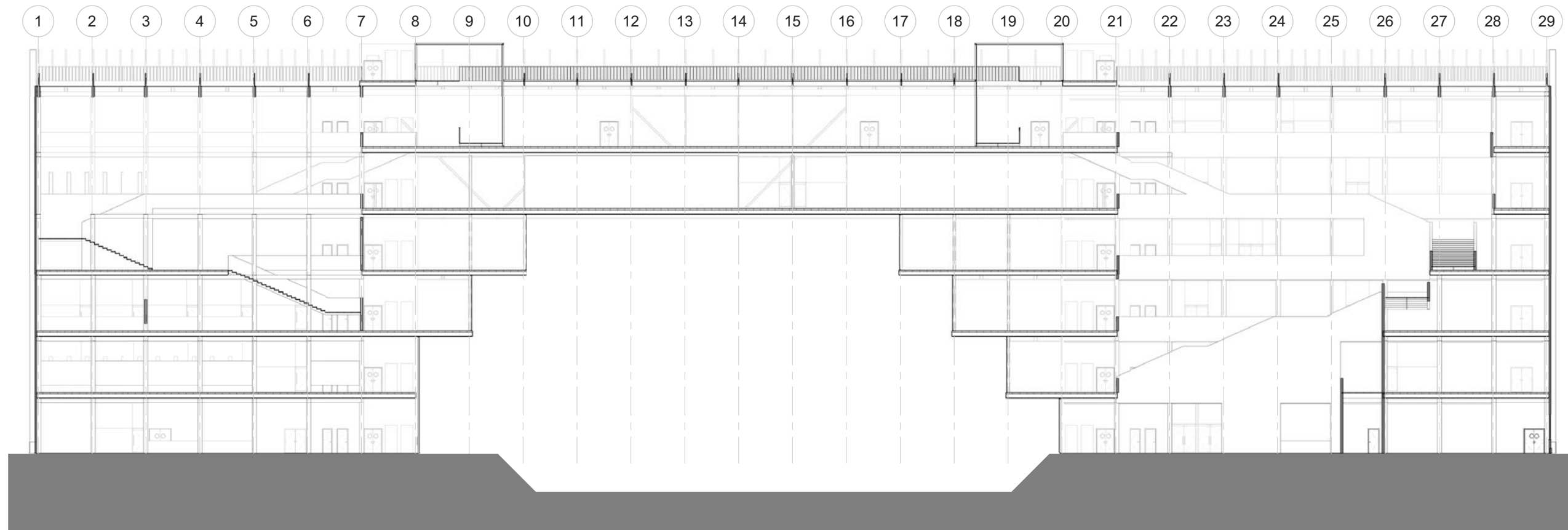
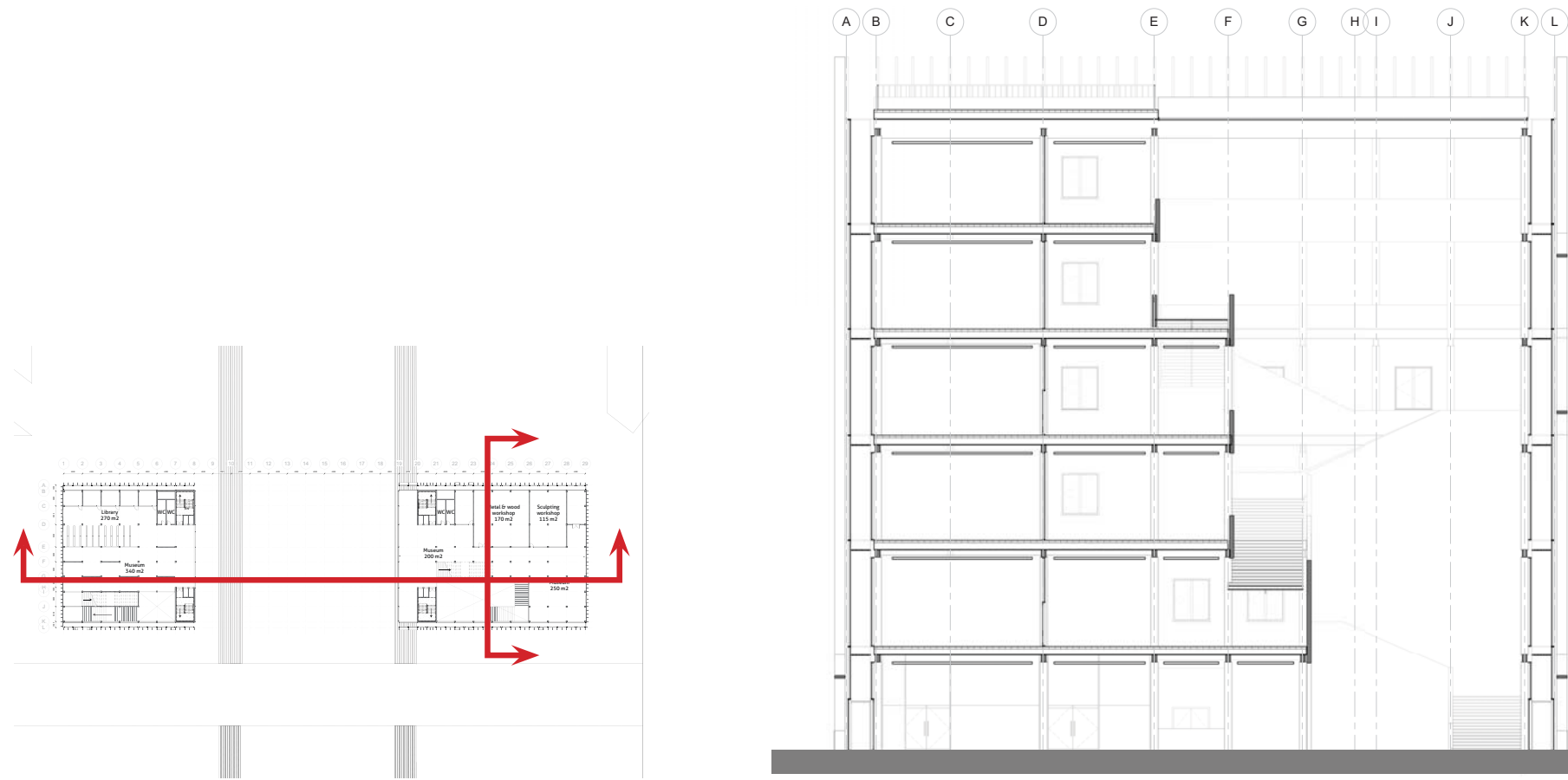
Treated cedar

White oak with dark finish

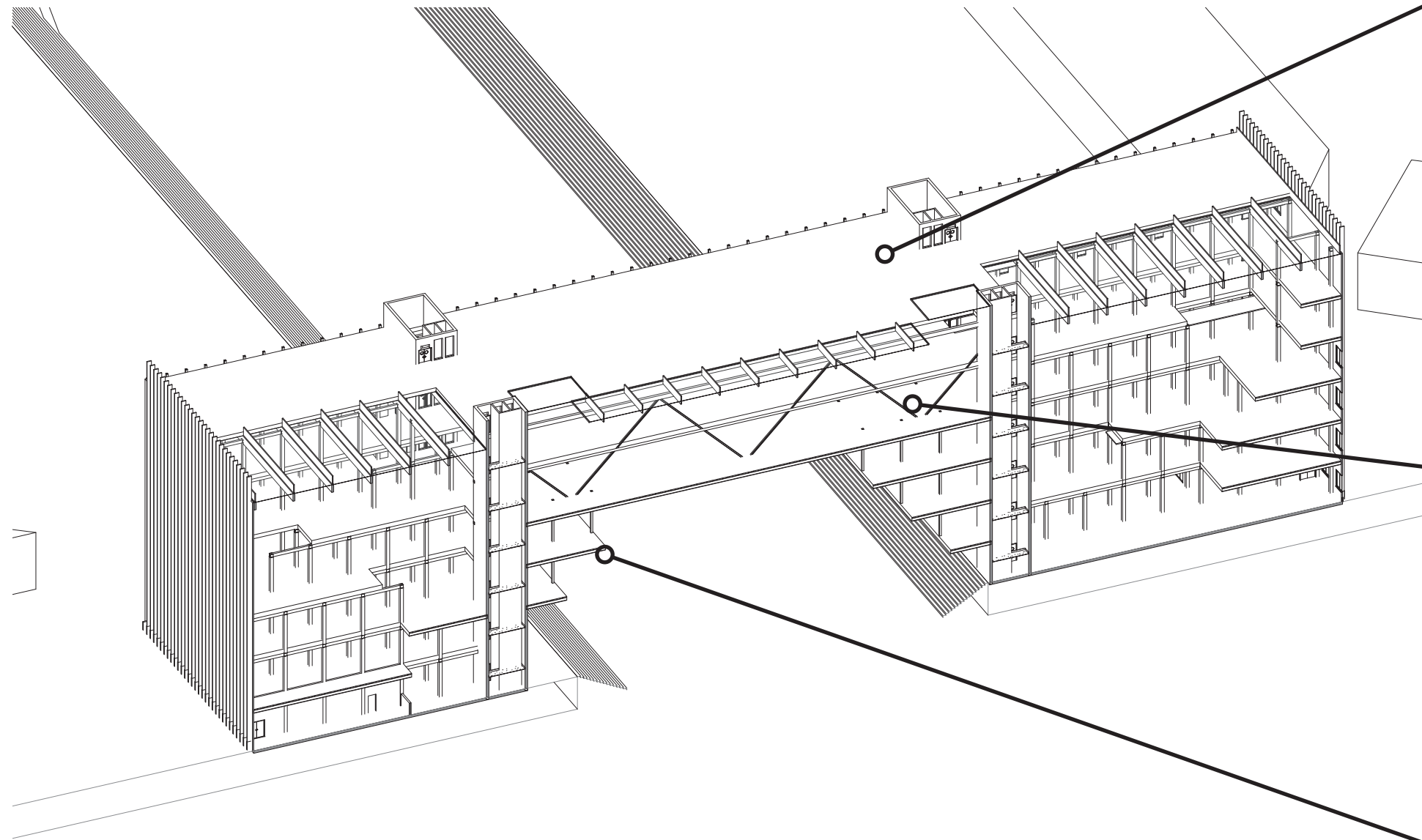
Birch CLT Core

Cedar wood cladding

SECTION



CONSTRUCTION



CLT Core



Steel truss in interior

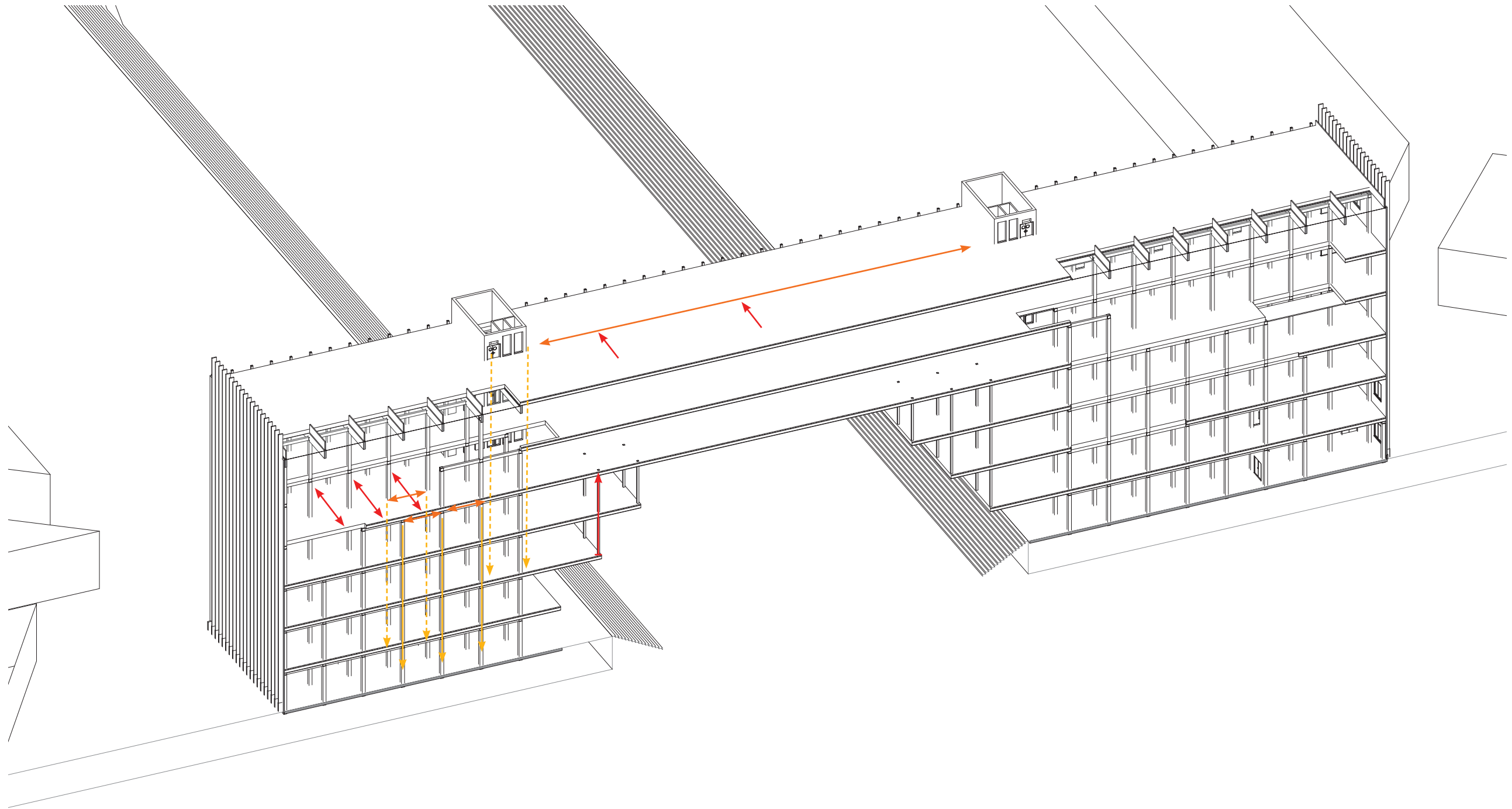


Wood hollow core slab



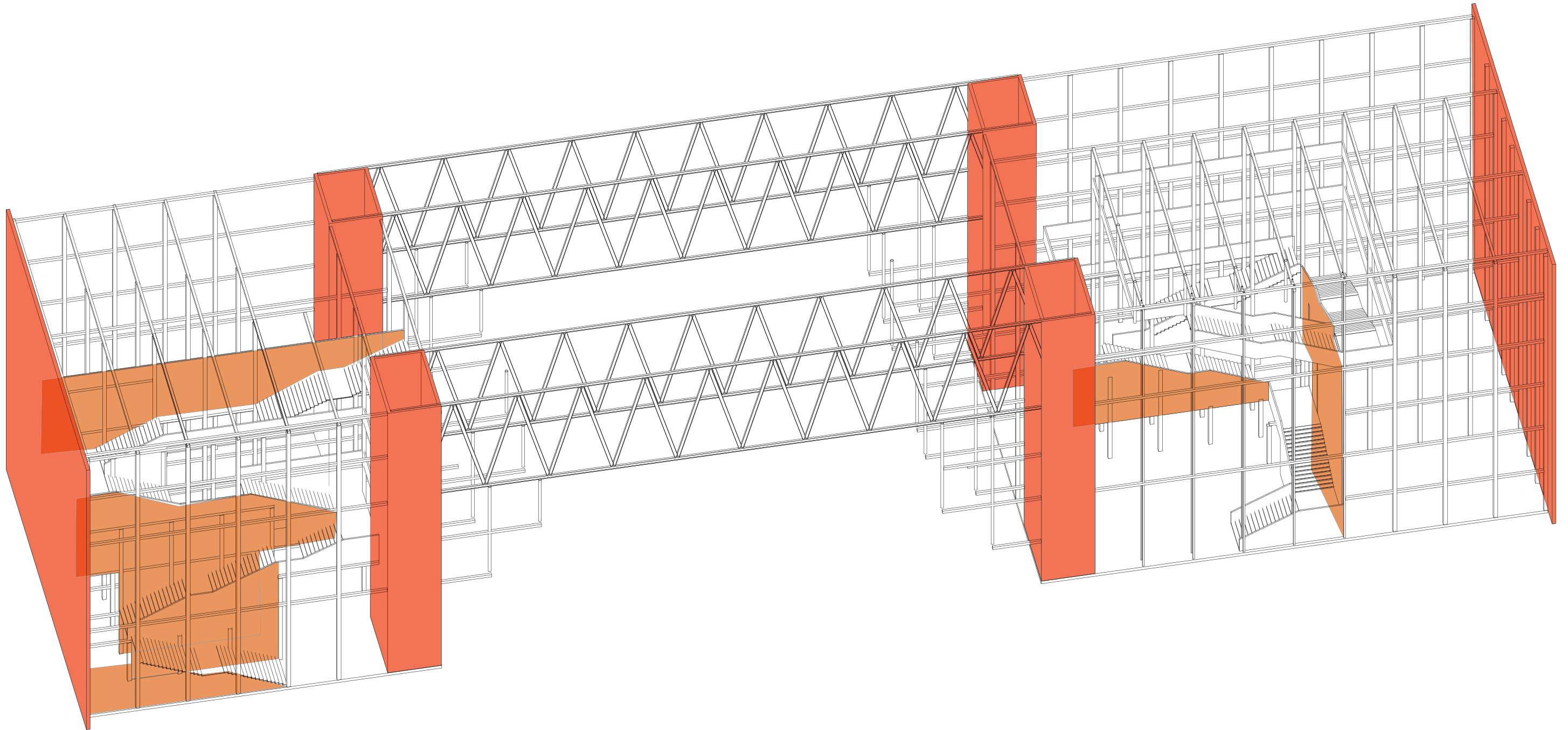
CONSTRUCTION

Forces

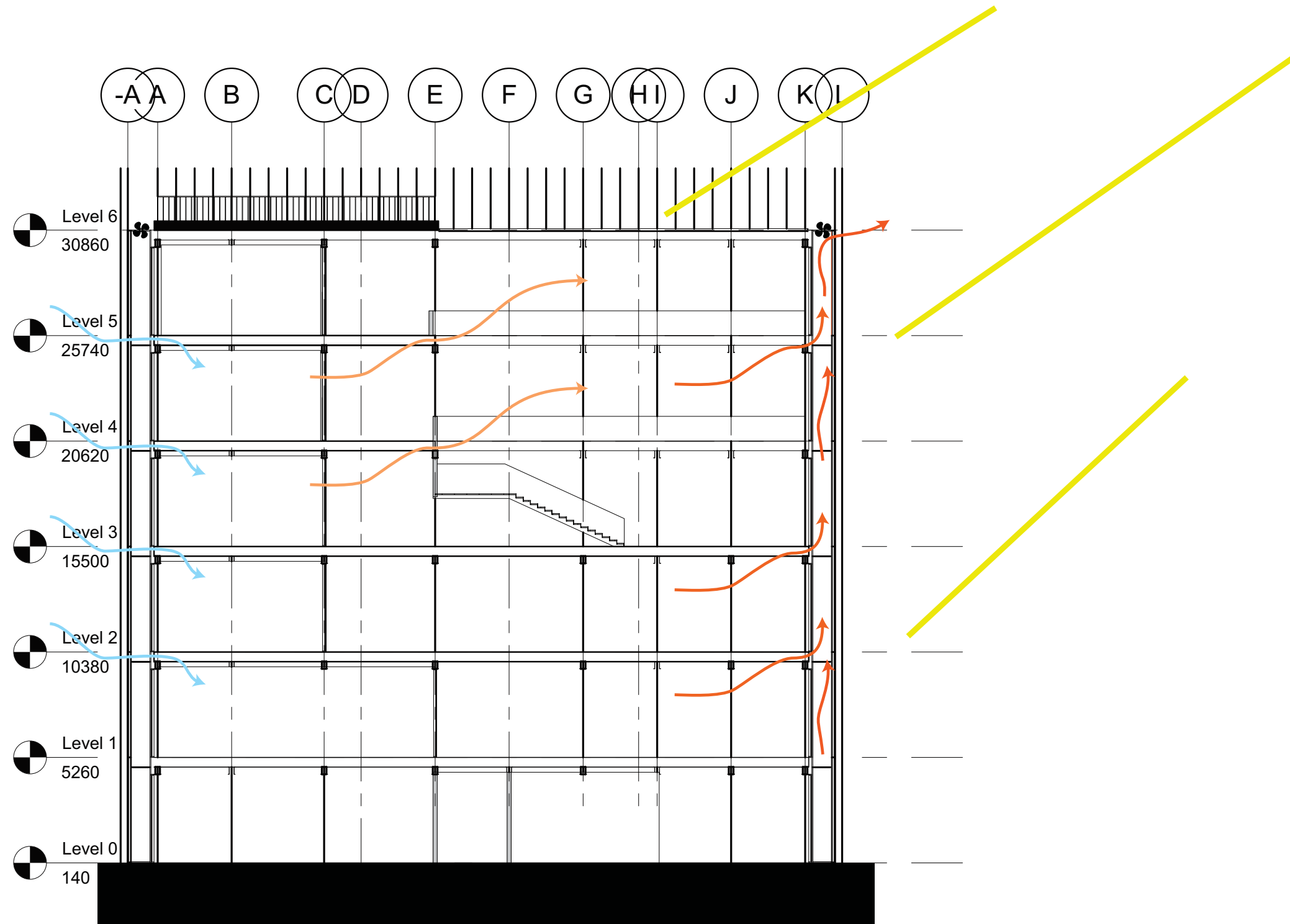
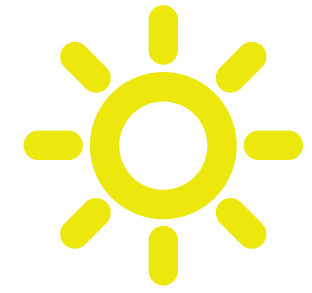


CONSTRUCTION

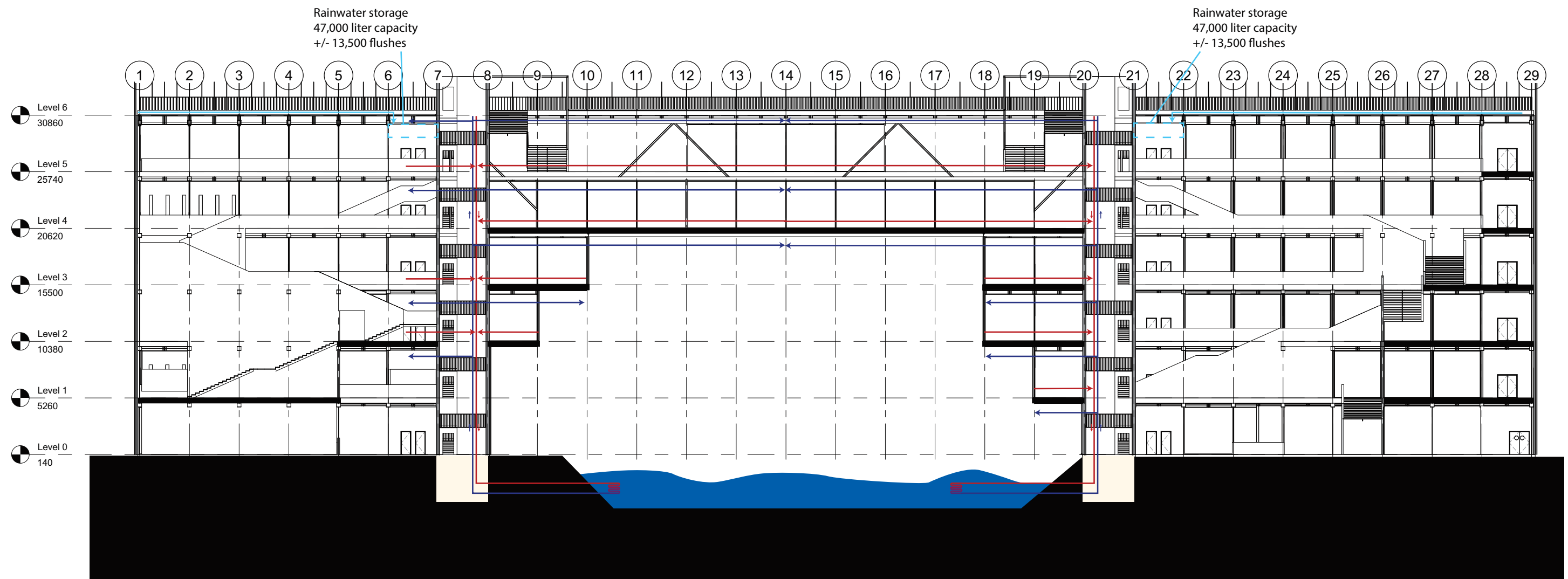
Stability



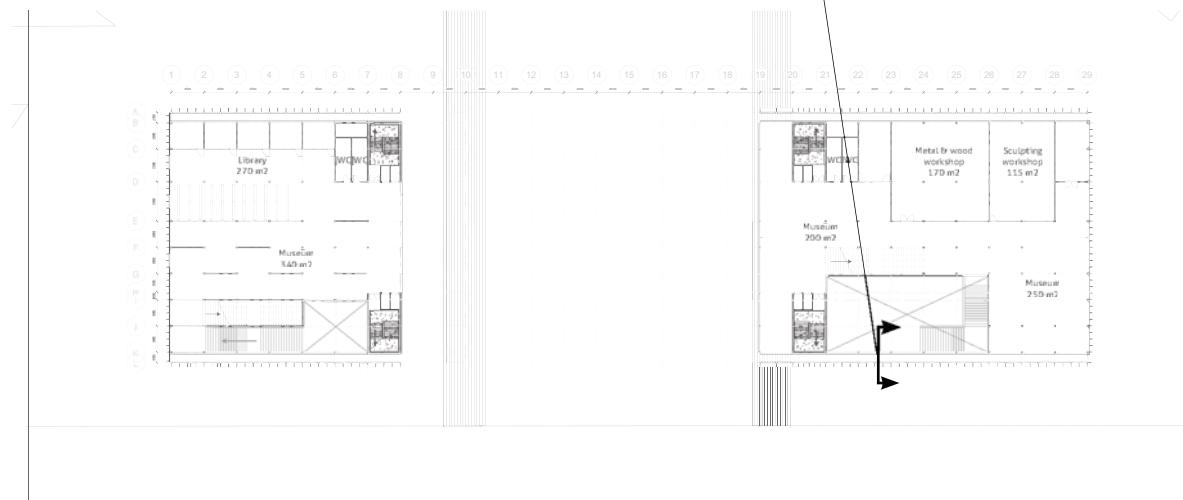
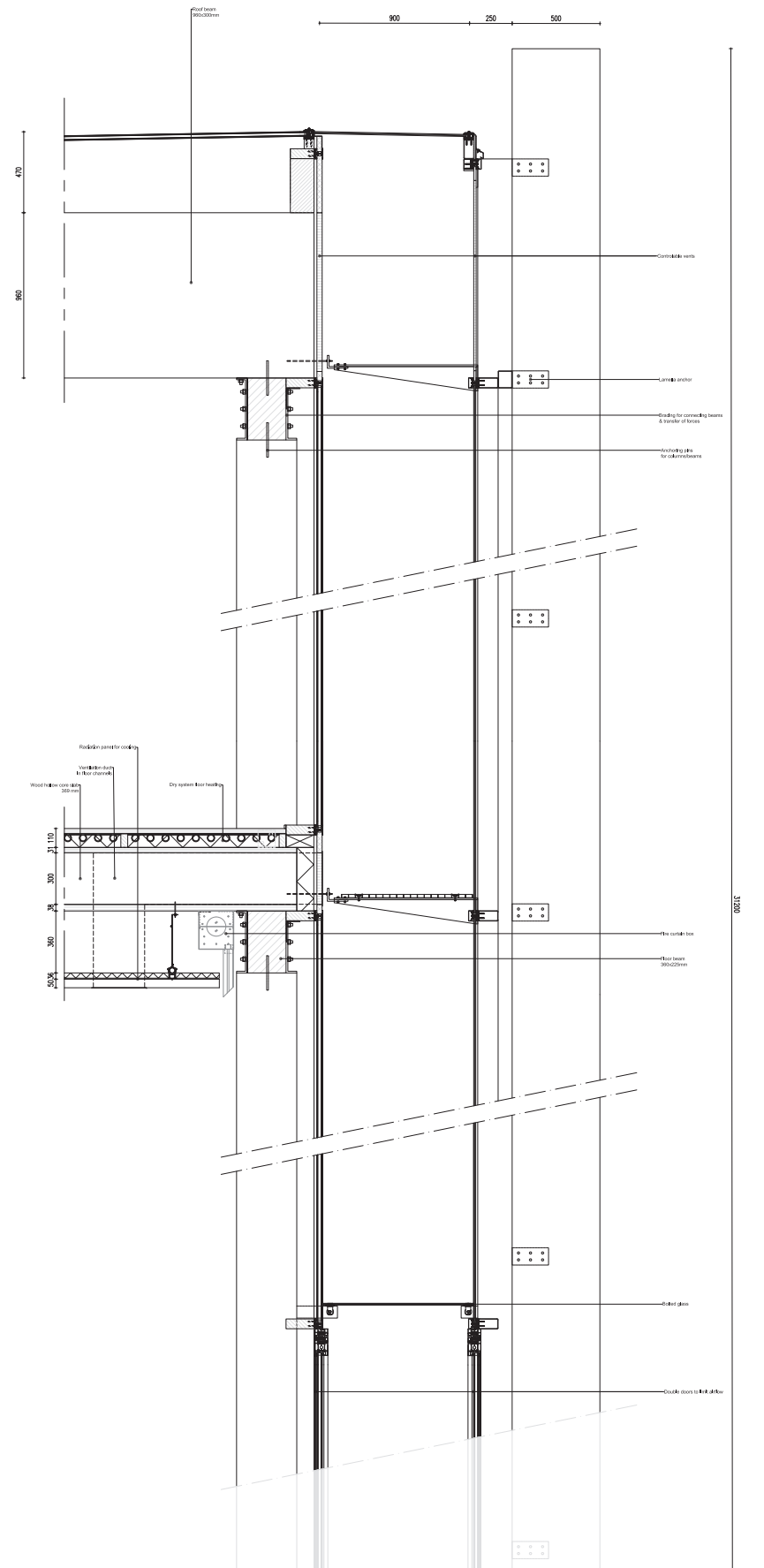
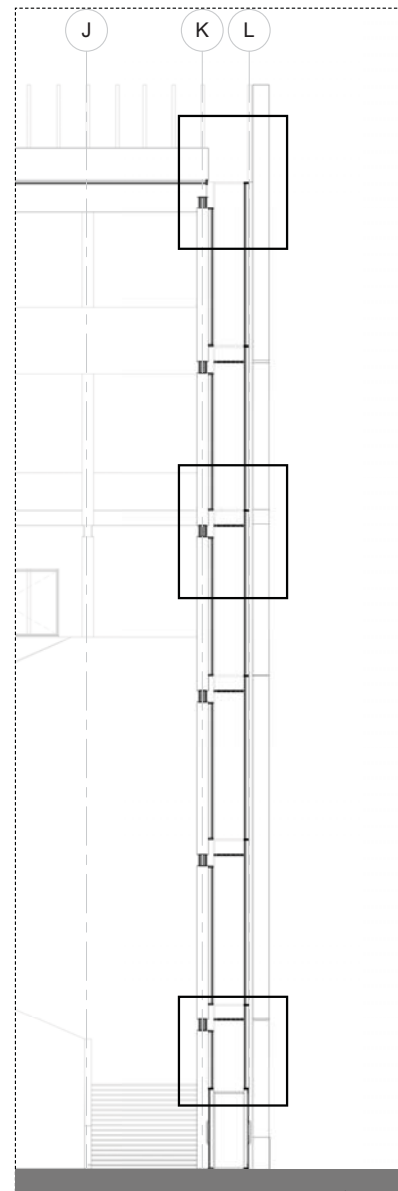
CLIMATE



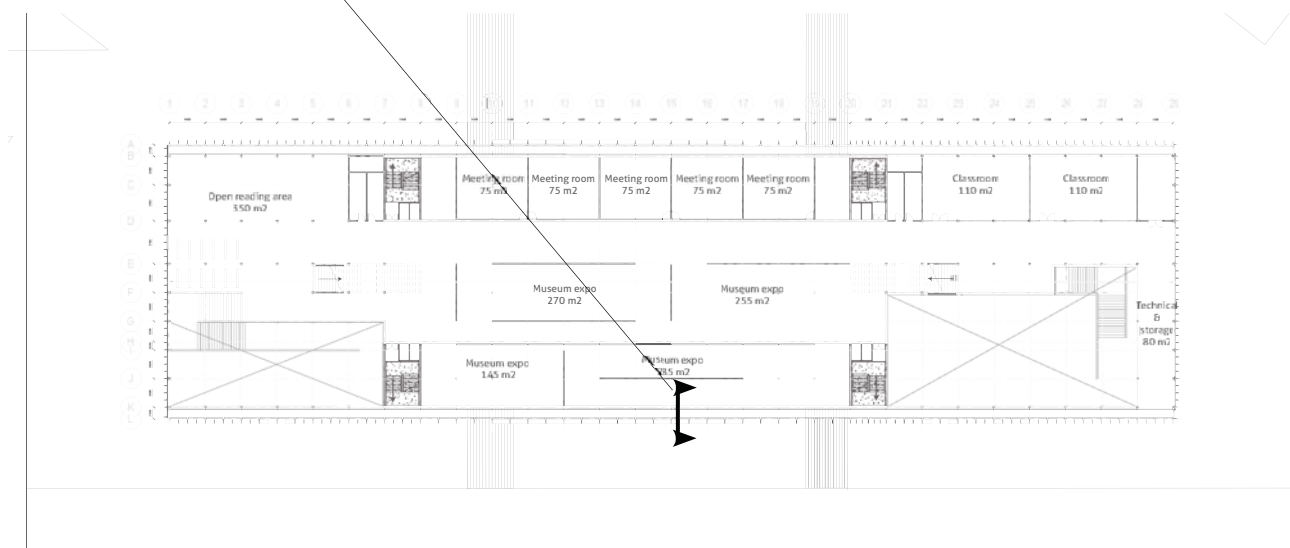
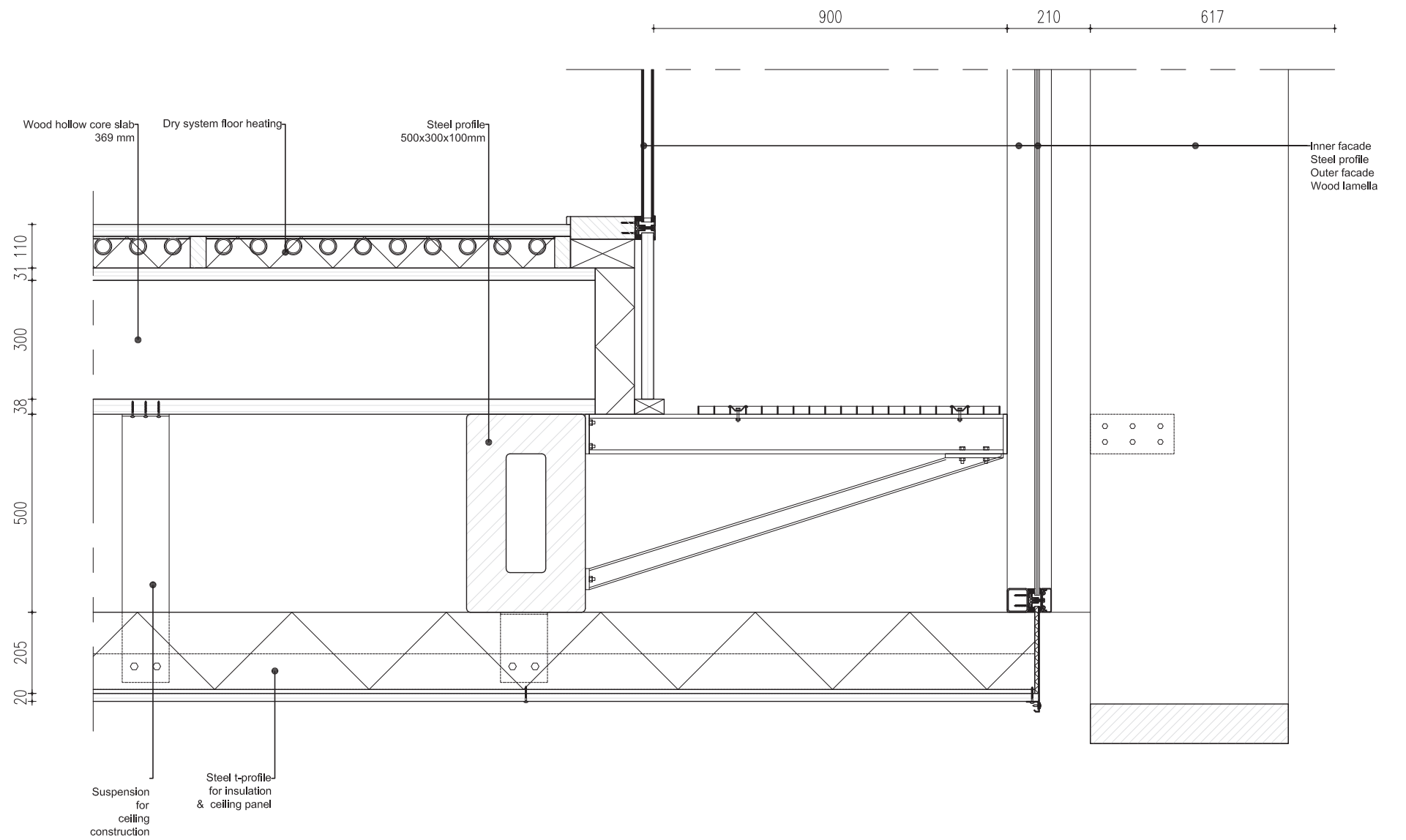
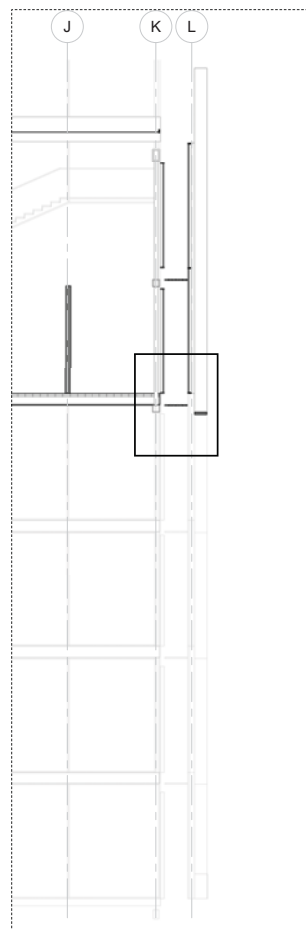
CLIMATE



DETAILS



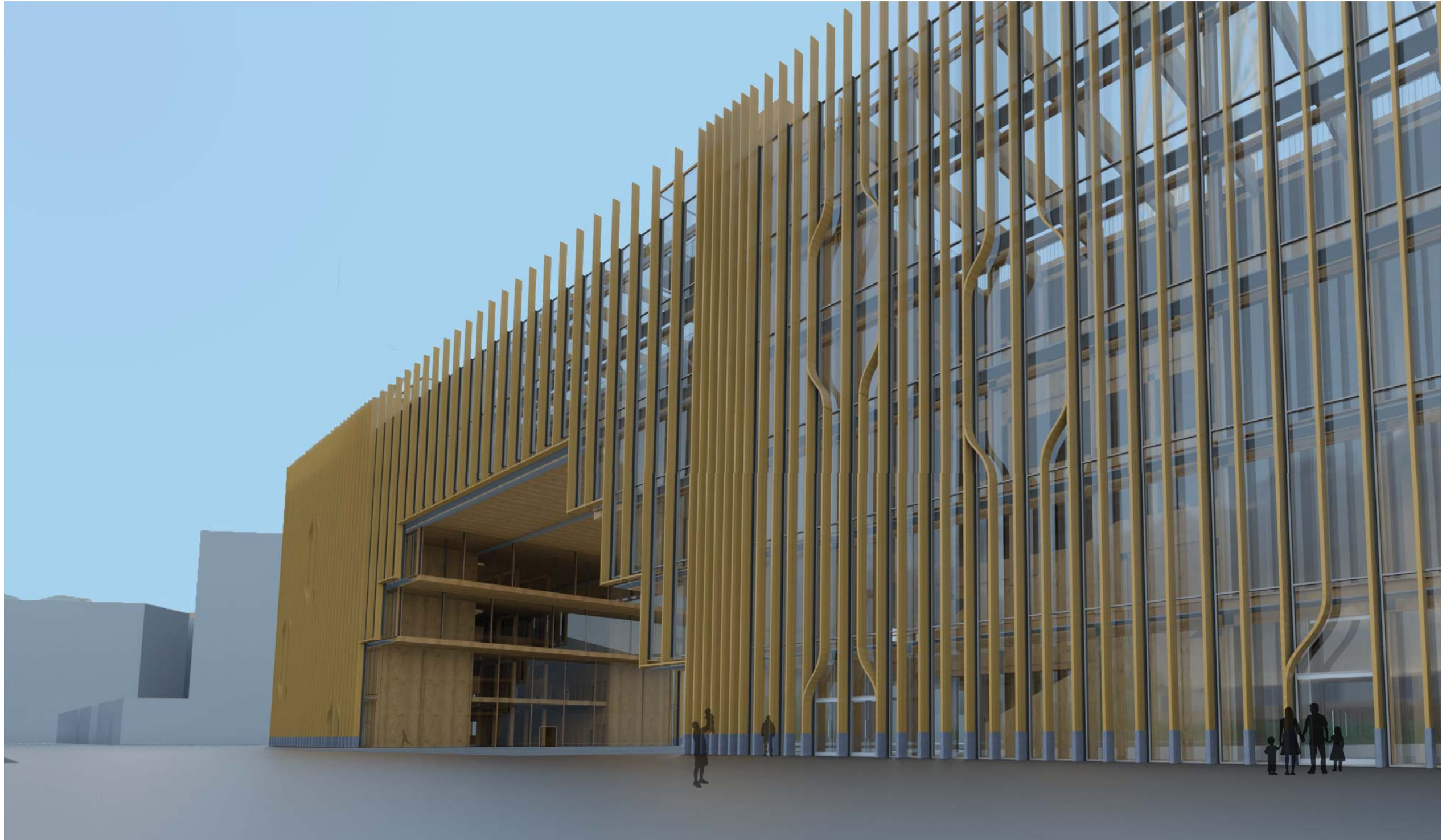
DETAILS



IMPRESSIONS



IMPRESSIONS



IMPRESSIONS



IMPRESSIONS



IMPRESSIONS



IMPRESSIONS



IMPRESSIONS



Delta Interventions 2016-2017 P4
San Francisco Bay Area
Hunters point

Bjorn Marsman
4429109