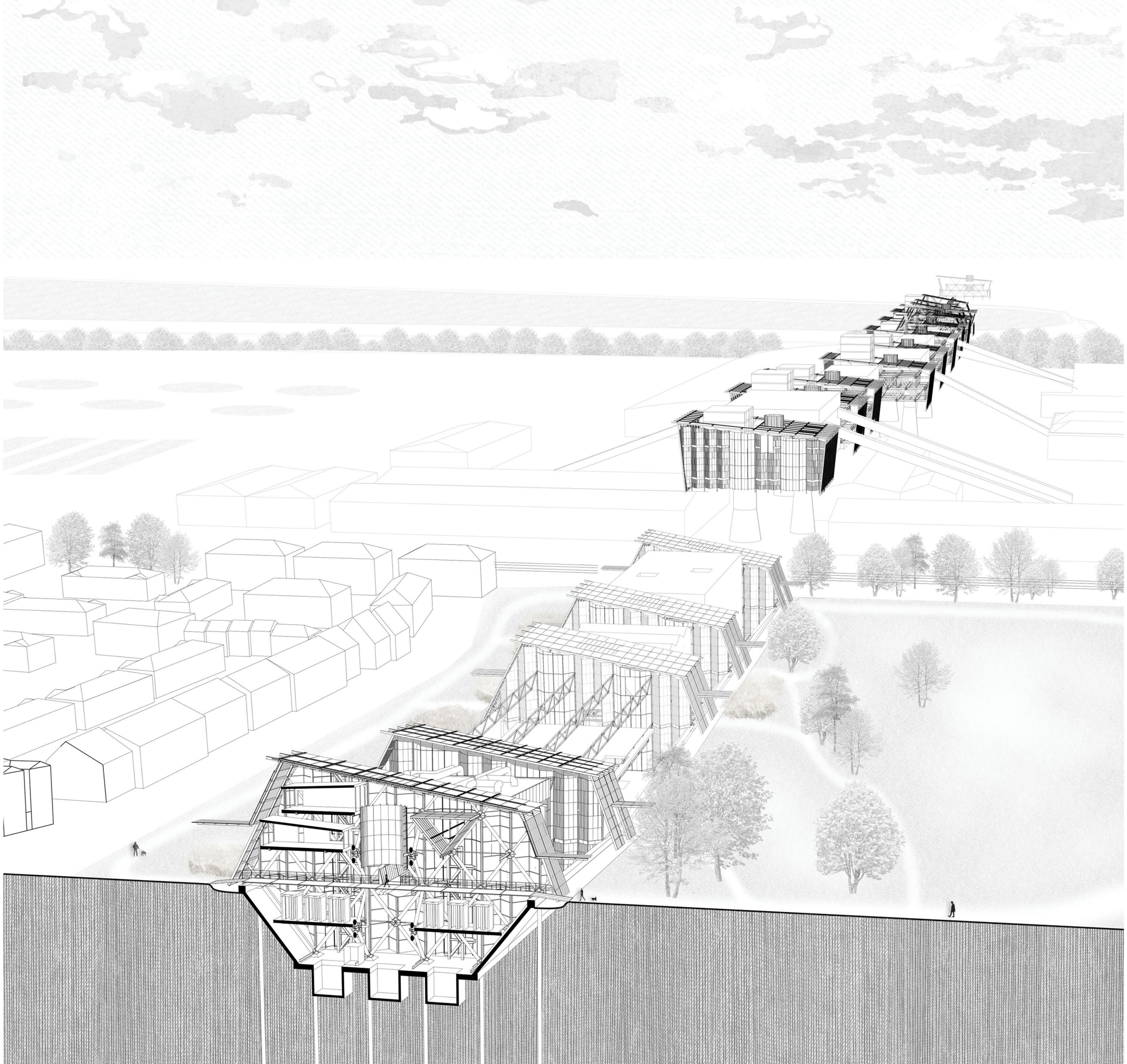
The Cyborg Interface

Operational Ecologies in London





Theoretical background

Site analysis

Walkthrough Project

Conclusion

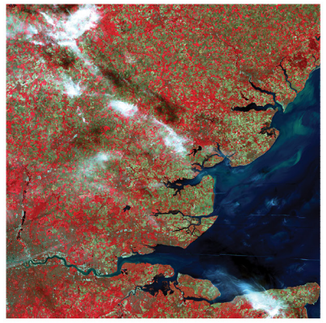
Four concepts

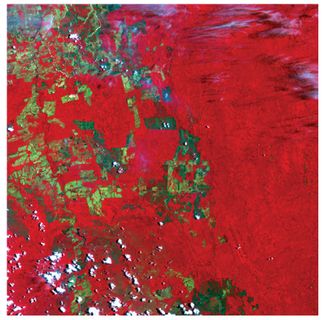
City vs Hinterlands

Cyborg theory and the interface

Operational ecologies

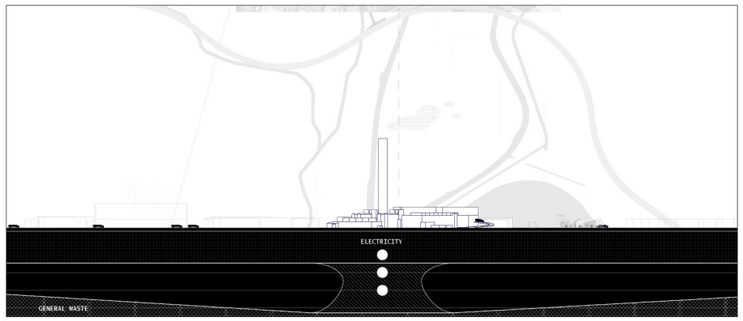
Megastructure



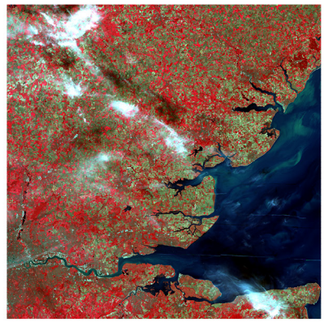


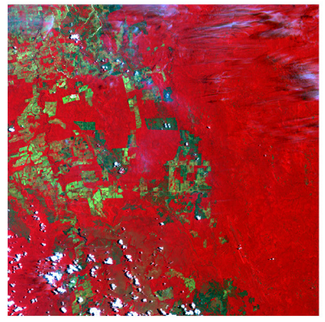




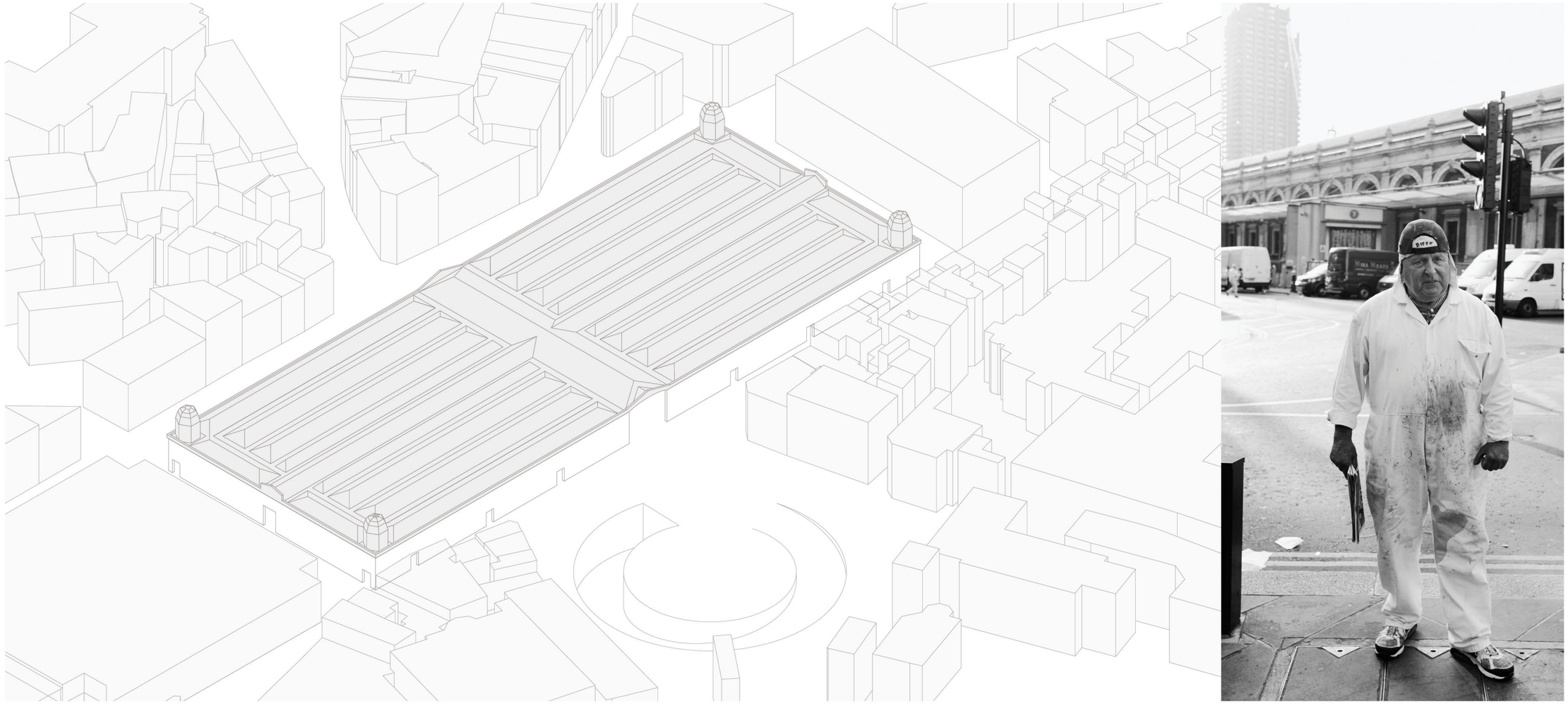








City vs Hinterlands



Smithfield Meat Market, City of London

Bill the Butcher



Smithfield Meat Market, City of London











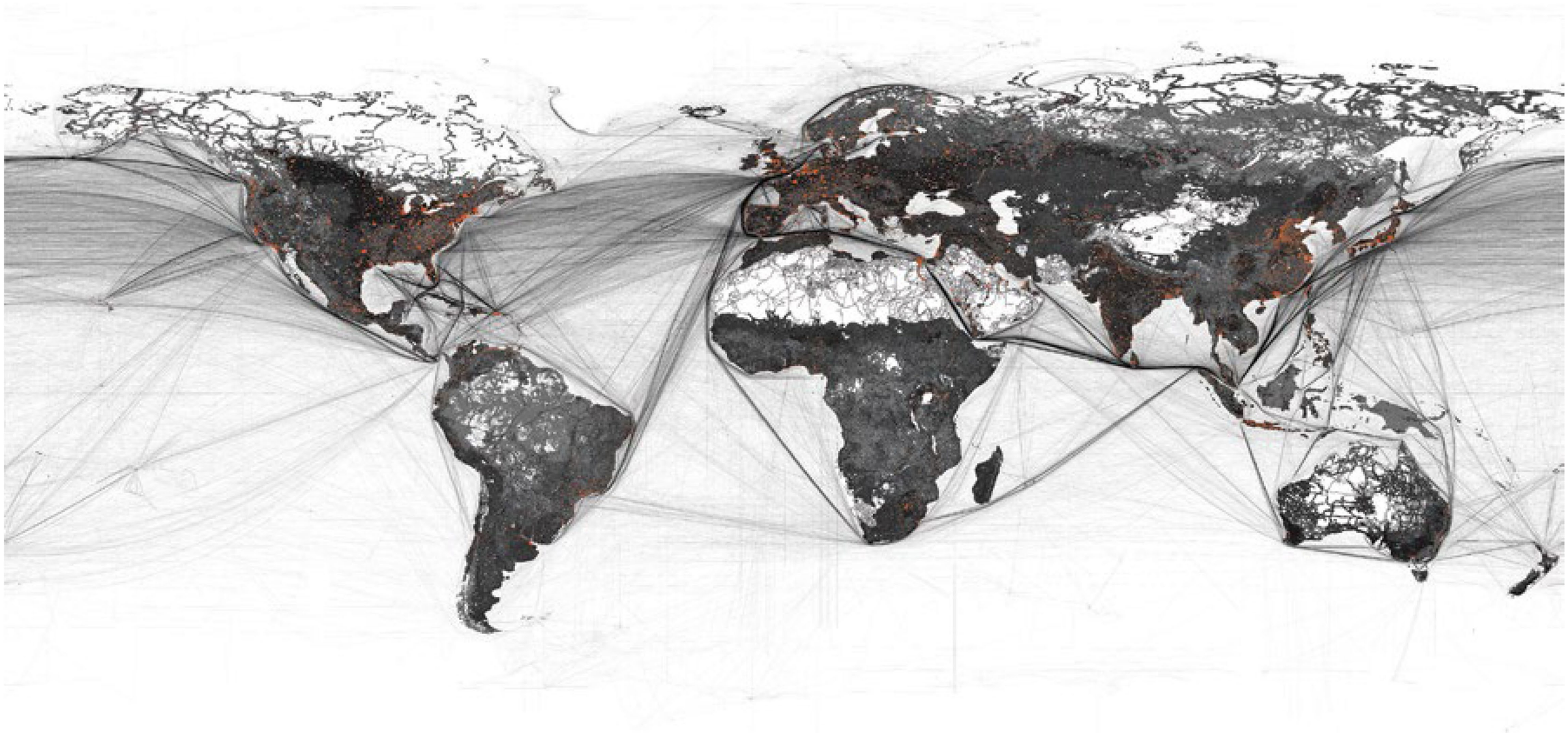




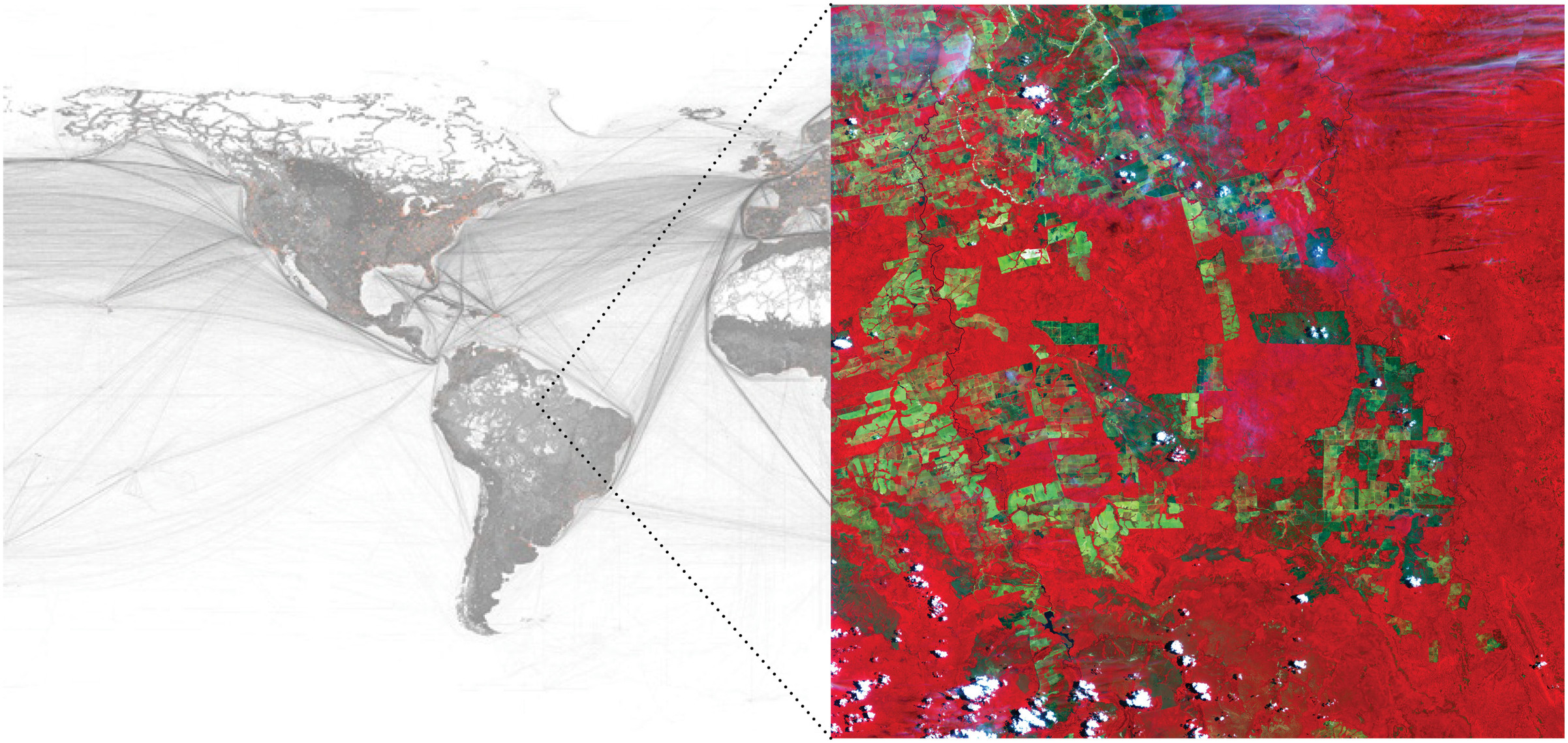




Relay systems to hinterlands



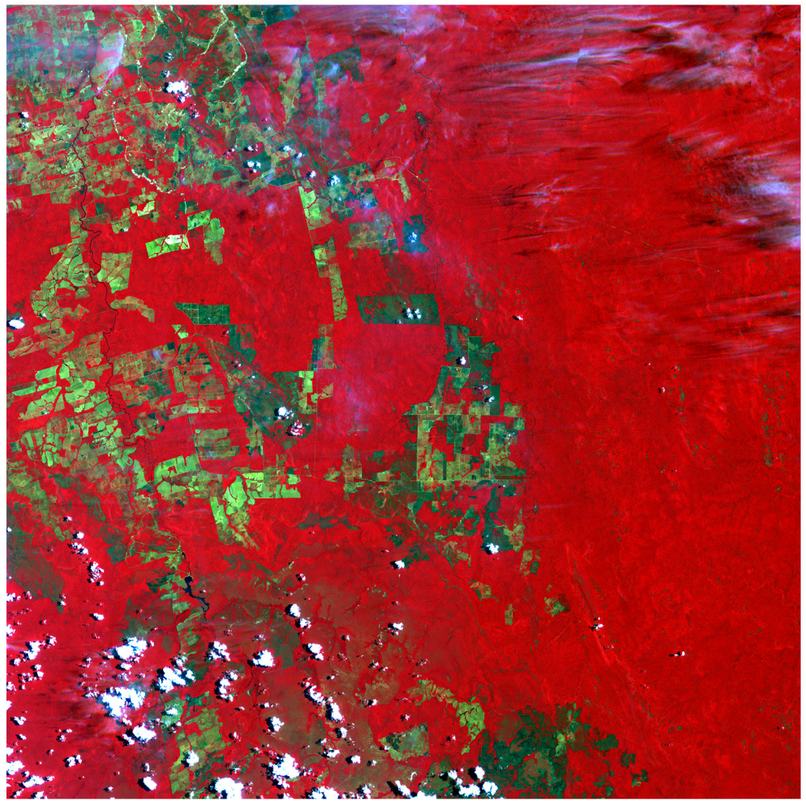
The global picture



Conclusion



East of England



Amazone





Cyborg theory and the interface



cyborg theory



machine x organism



recognition of the machine



cyborg theory



machine x organism



recognition of the machine



cyborg theory



machine x organism



recognition of the machine



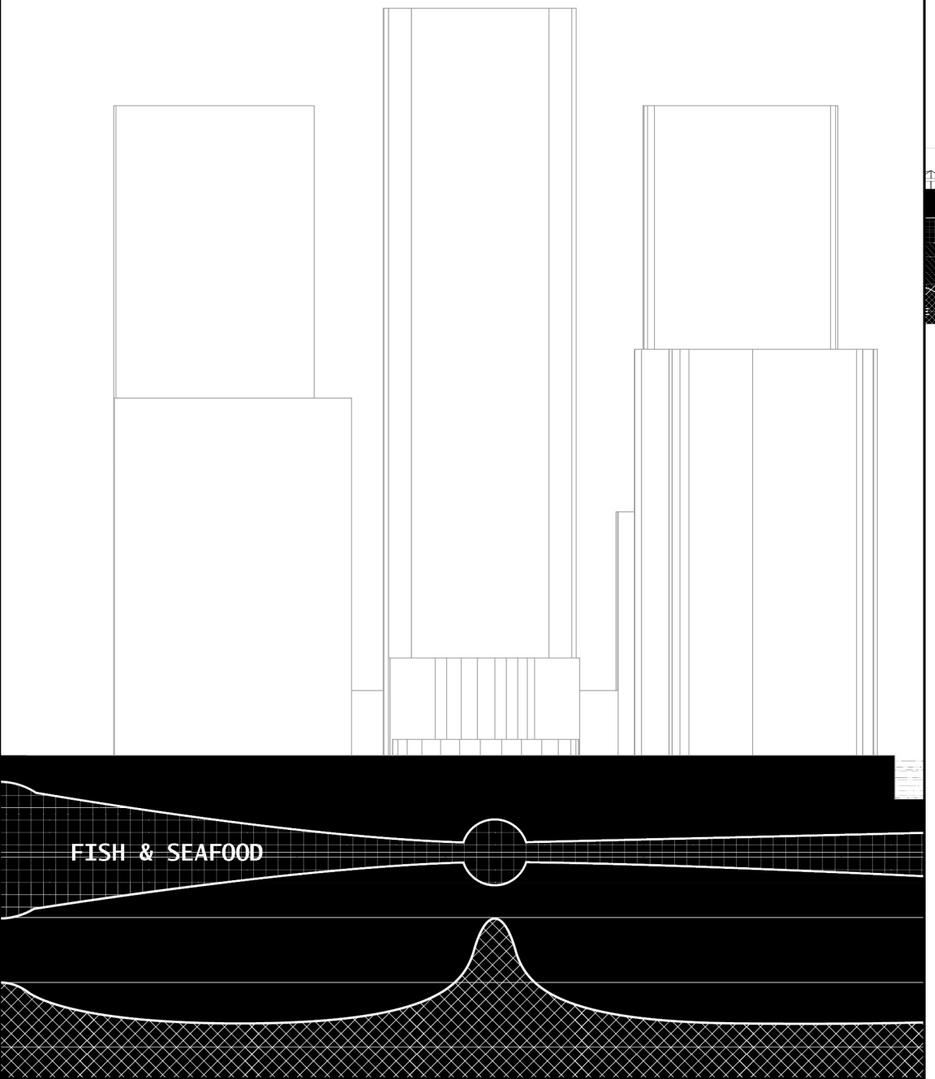


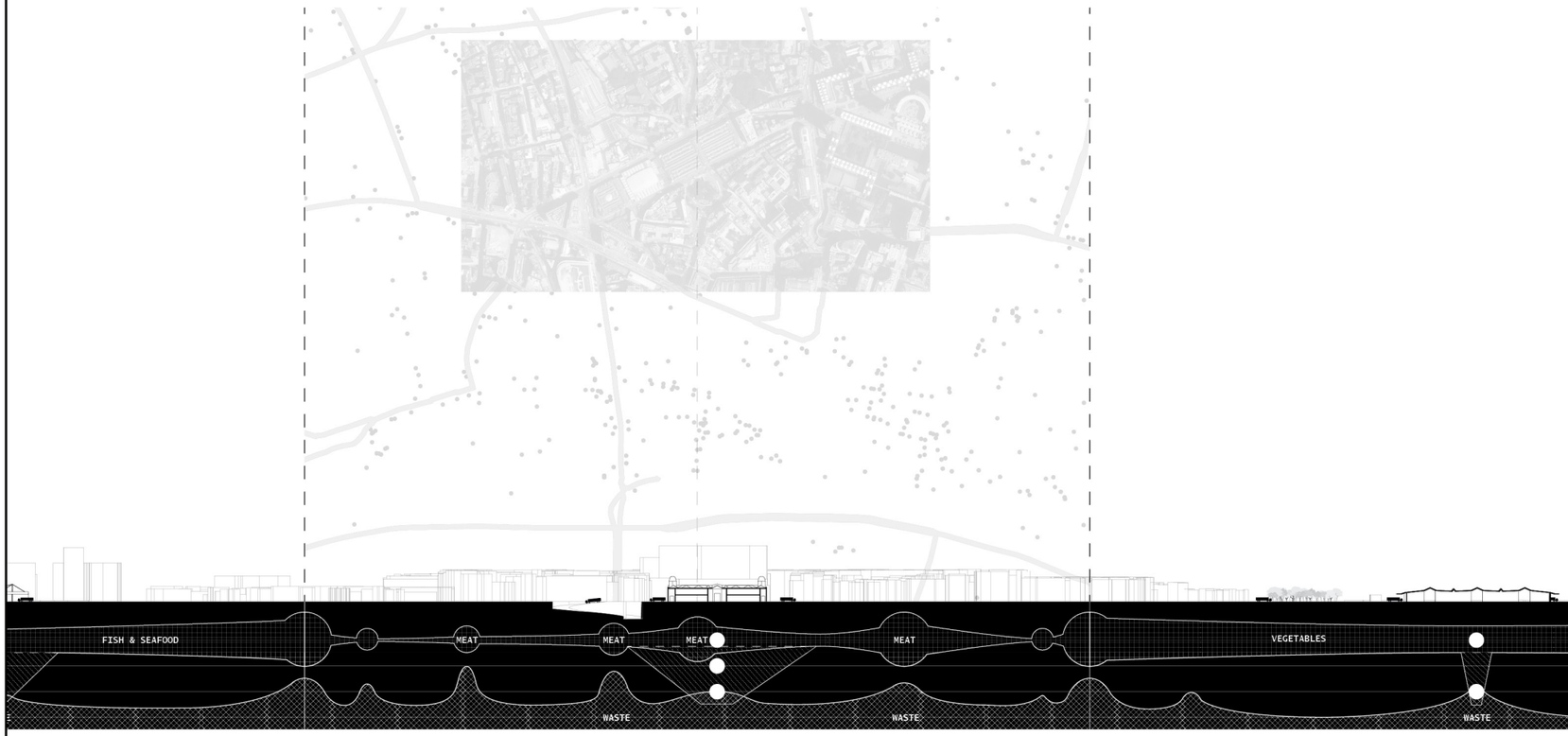




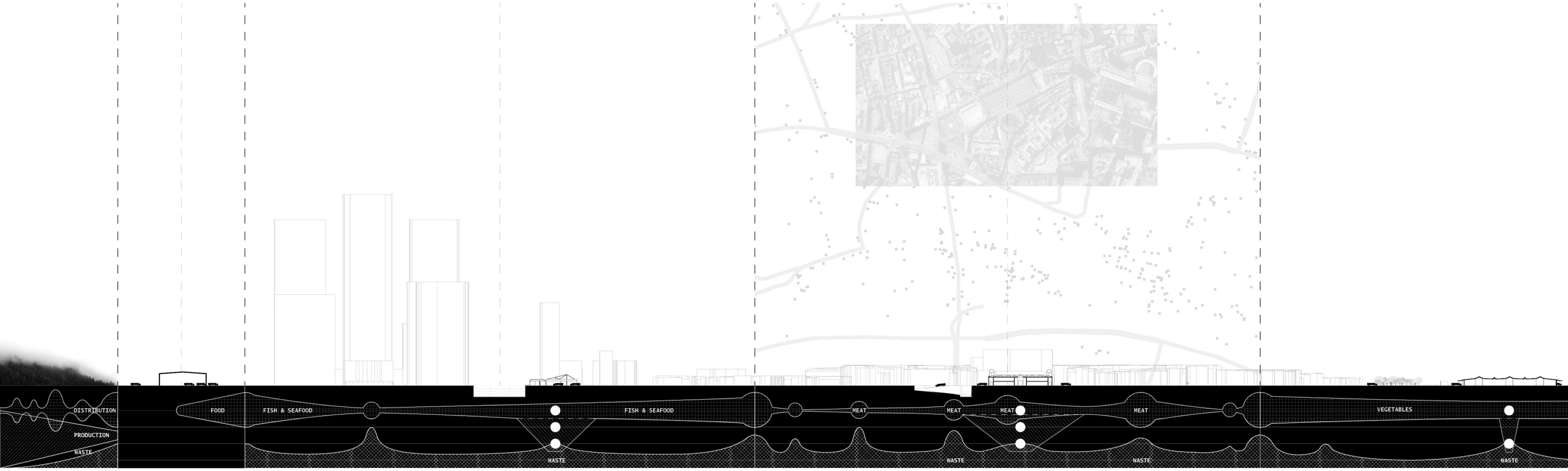
the interface

topomorfological mapping





topomorfological mapping



7m tonnes of waste from London alone
- 22% foodwaste
- 60% plastics, glass, metals

52% recycled, 48% incinerated or landfill

Capacity of landfills running out of space in 2026

Consumption = Production
London = Hinterlands

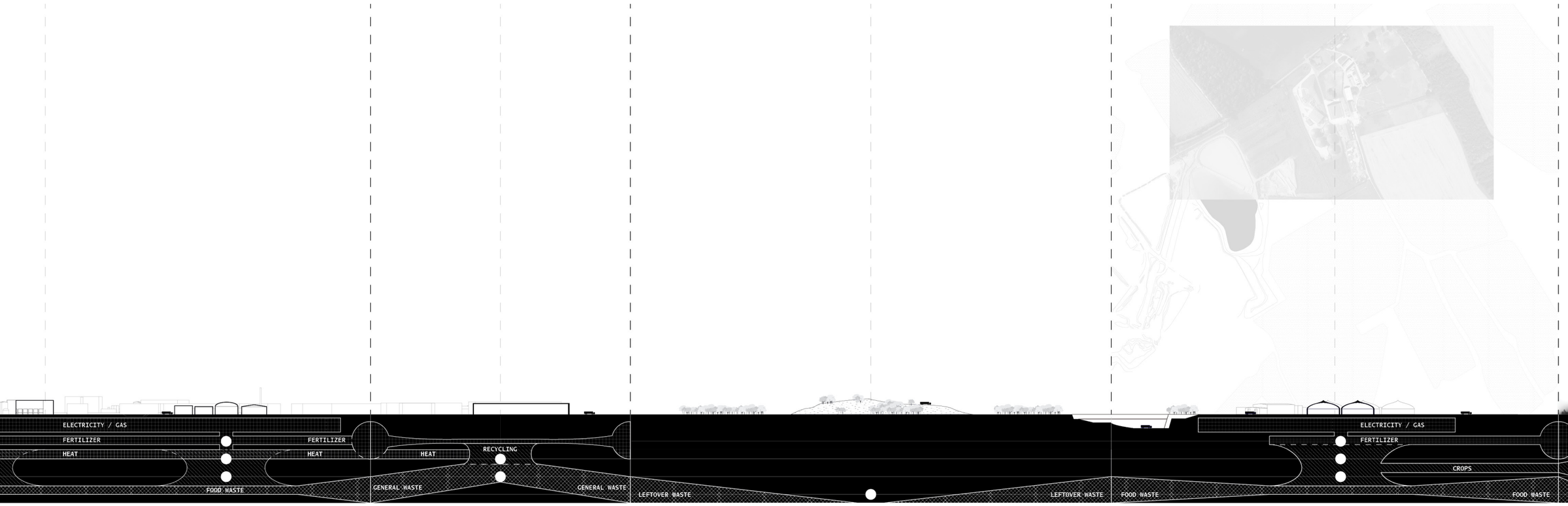
topomorfological mapping







topomorfological mapping



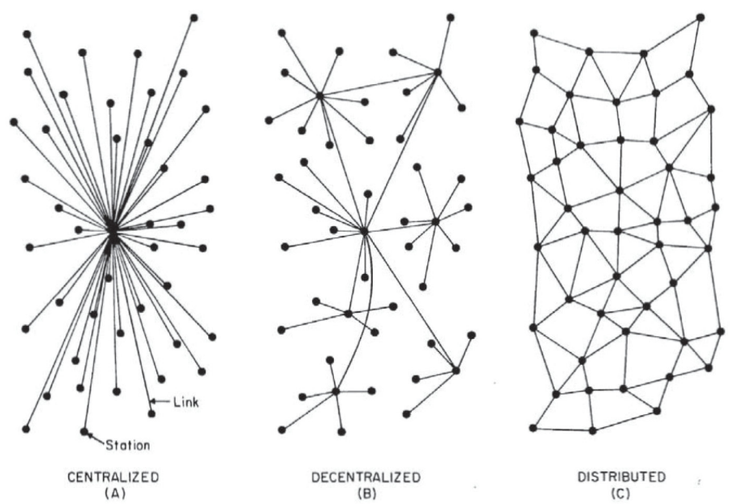
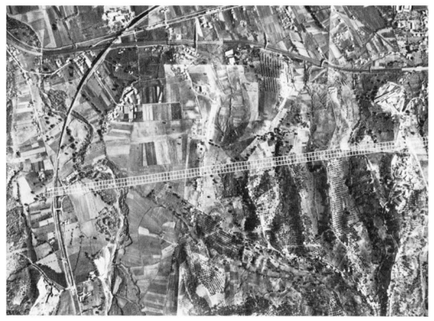
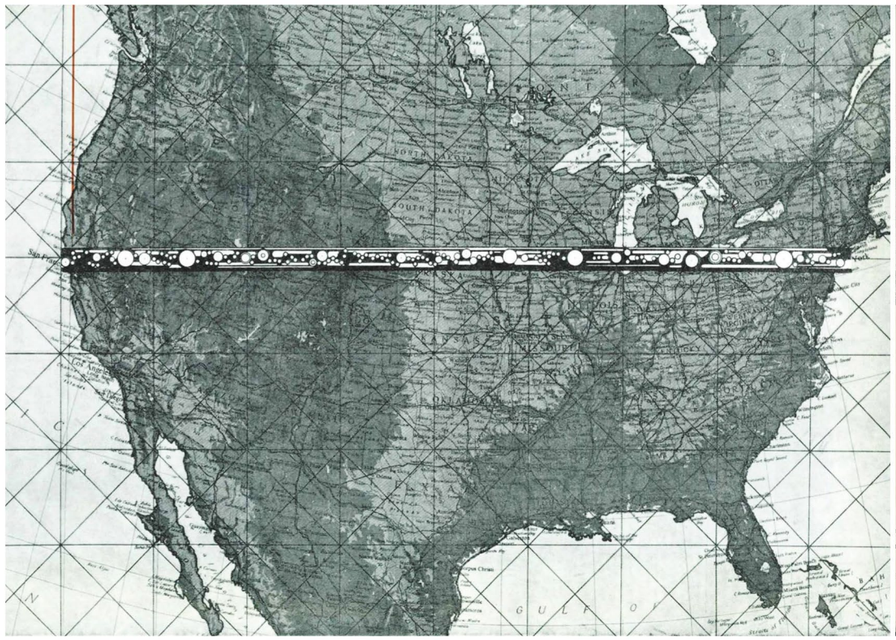
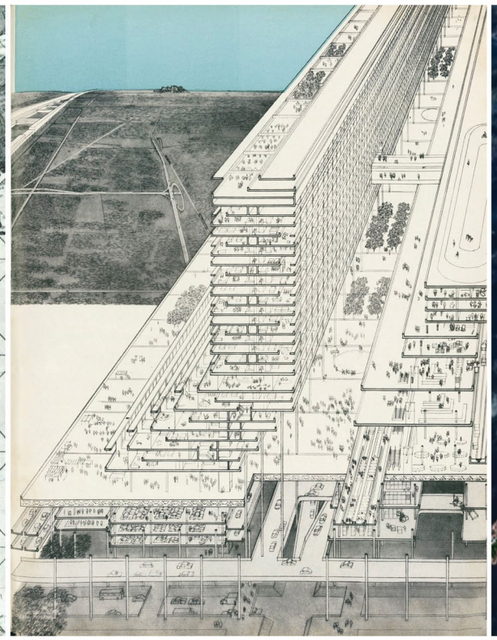


FIG. 1 — Centralized, Decentralized and Distributed Networks



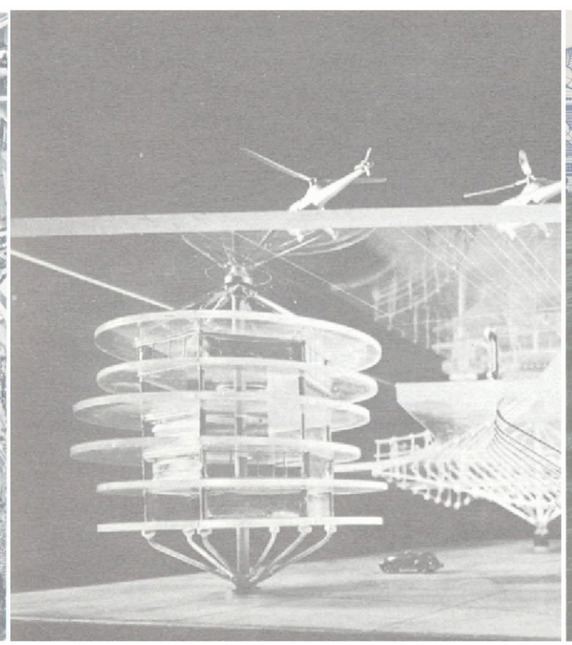
Megastructure

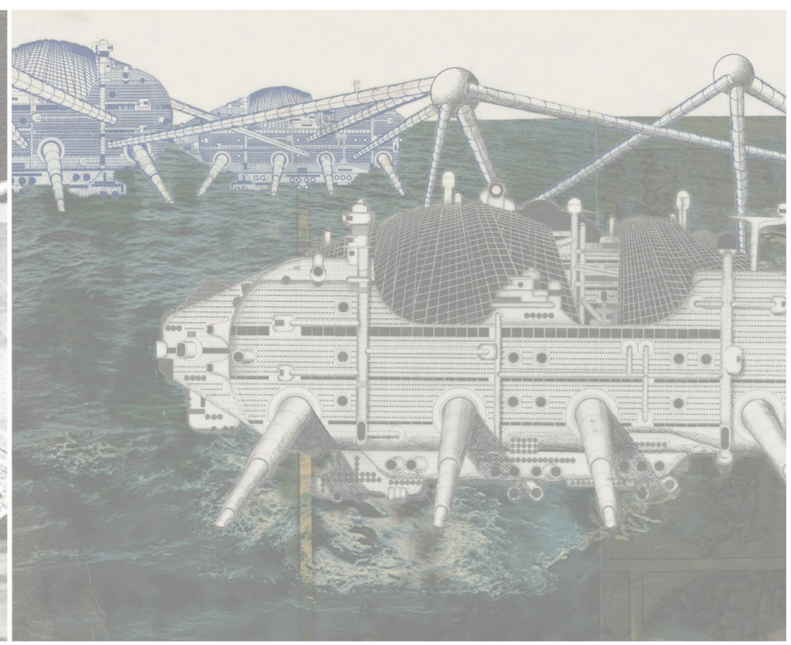


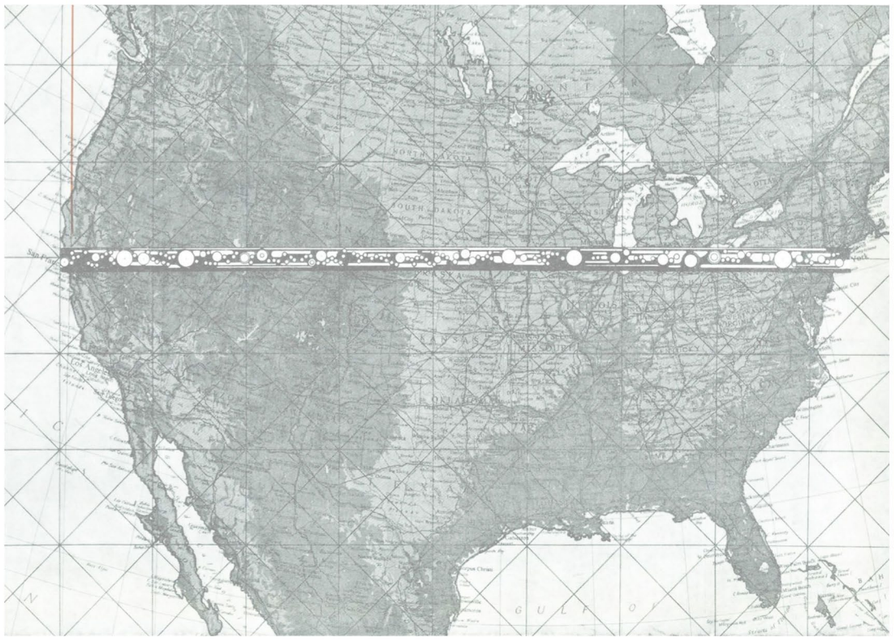


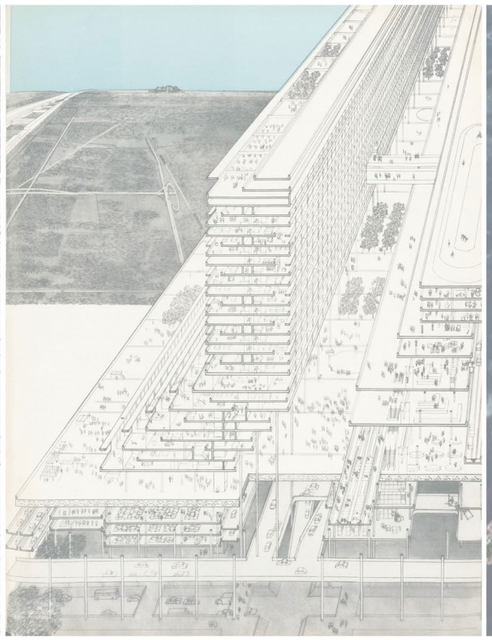

170 KM LENGTH



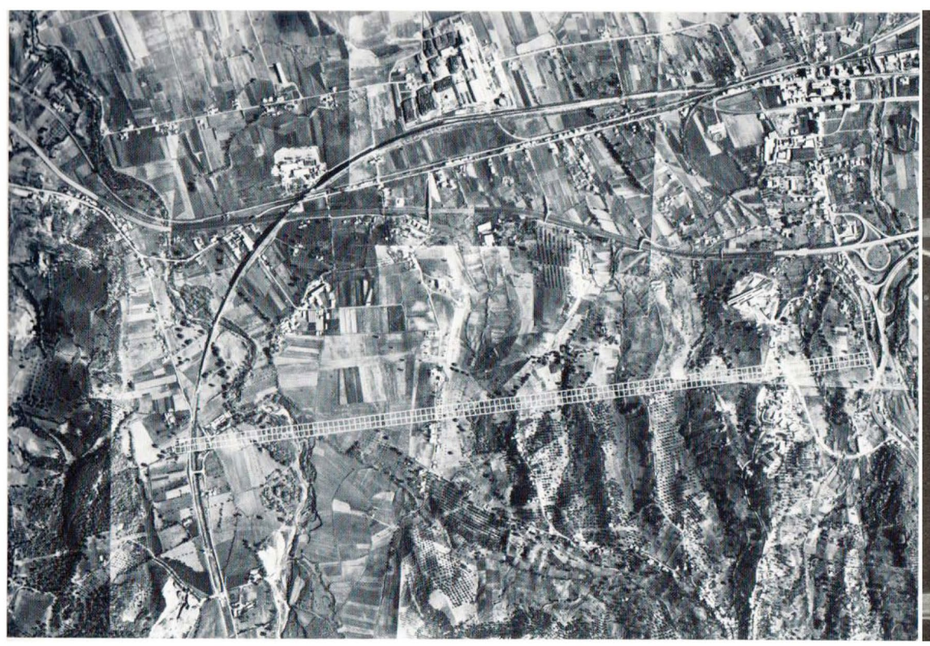


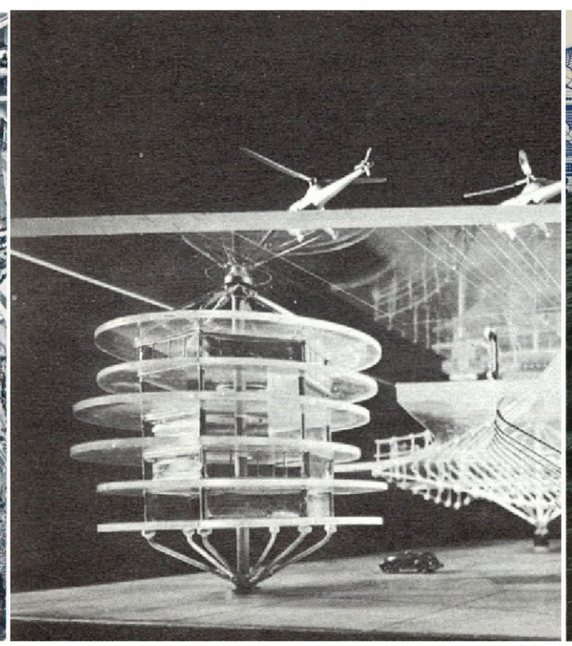


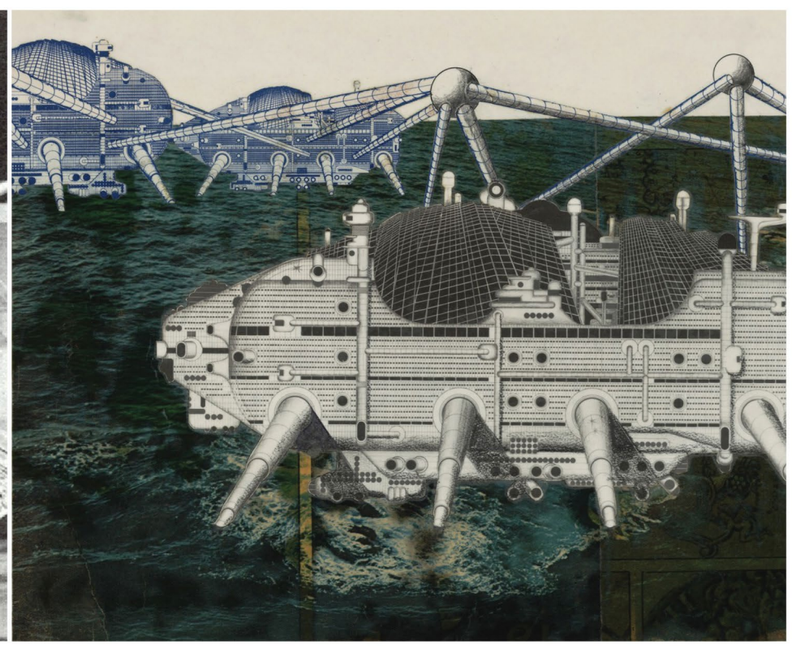




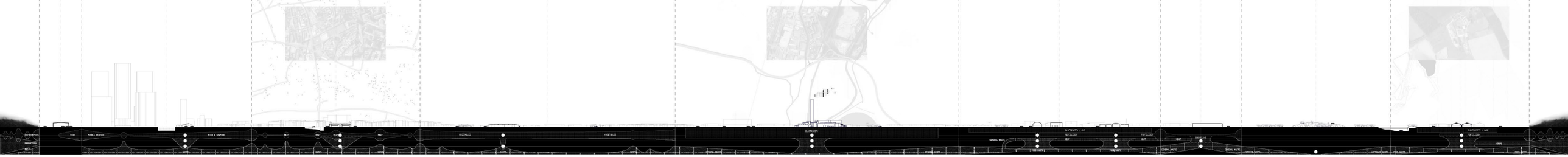

170 KM LENGTH

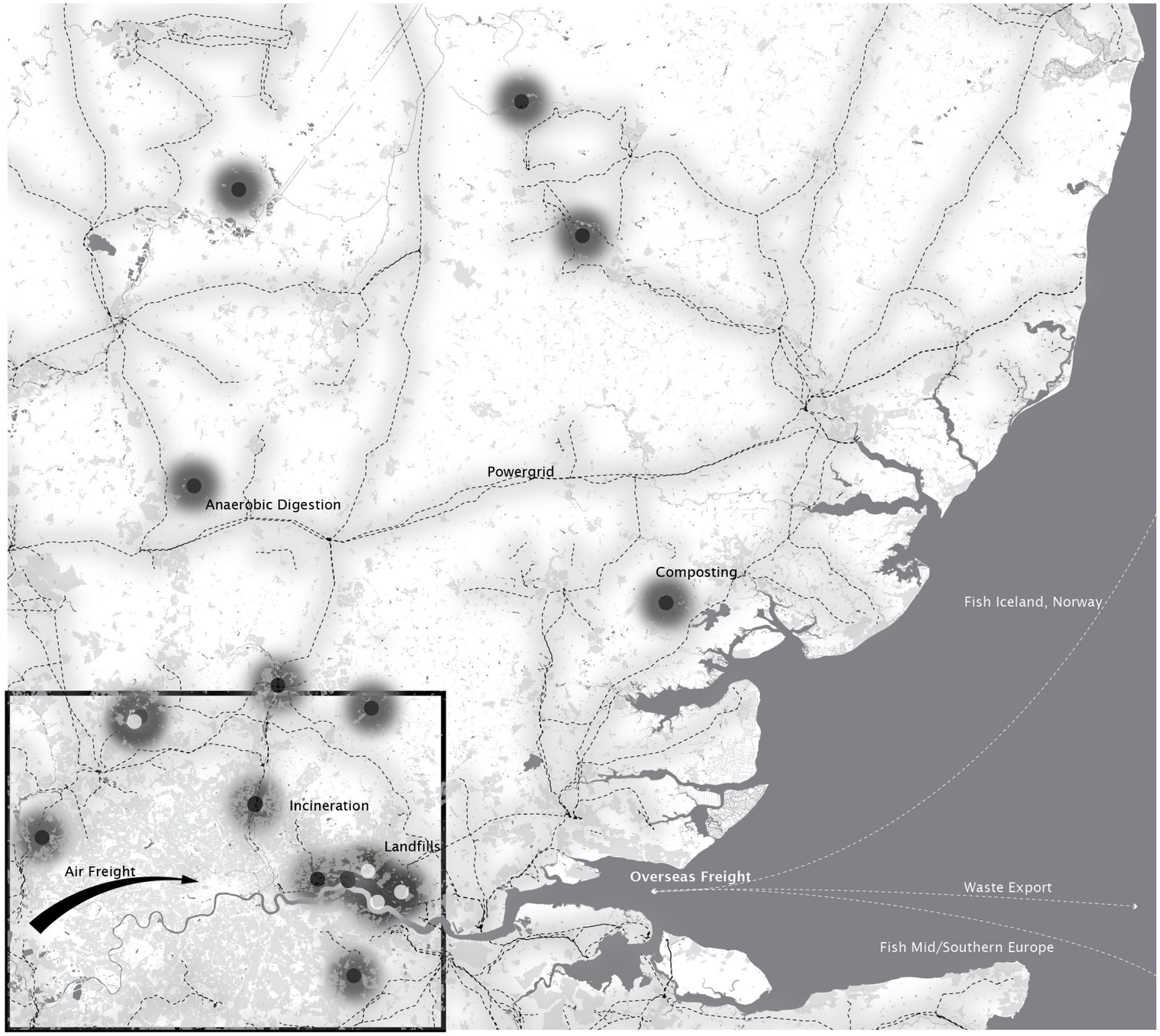






Site analysis




Powergrid
Anaerobic Digestion
Composting
Incineration
Landfills
Air Freight
Overseas Freight
Waste Export
Fish Iceland, Norway
Fish Mid/Southern Europe

Lea Valley

Heathrow

Port of London



Residential Landuse

Water

Strategic Industrial Locations

Boundaries

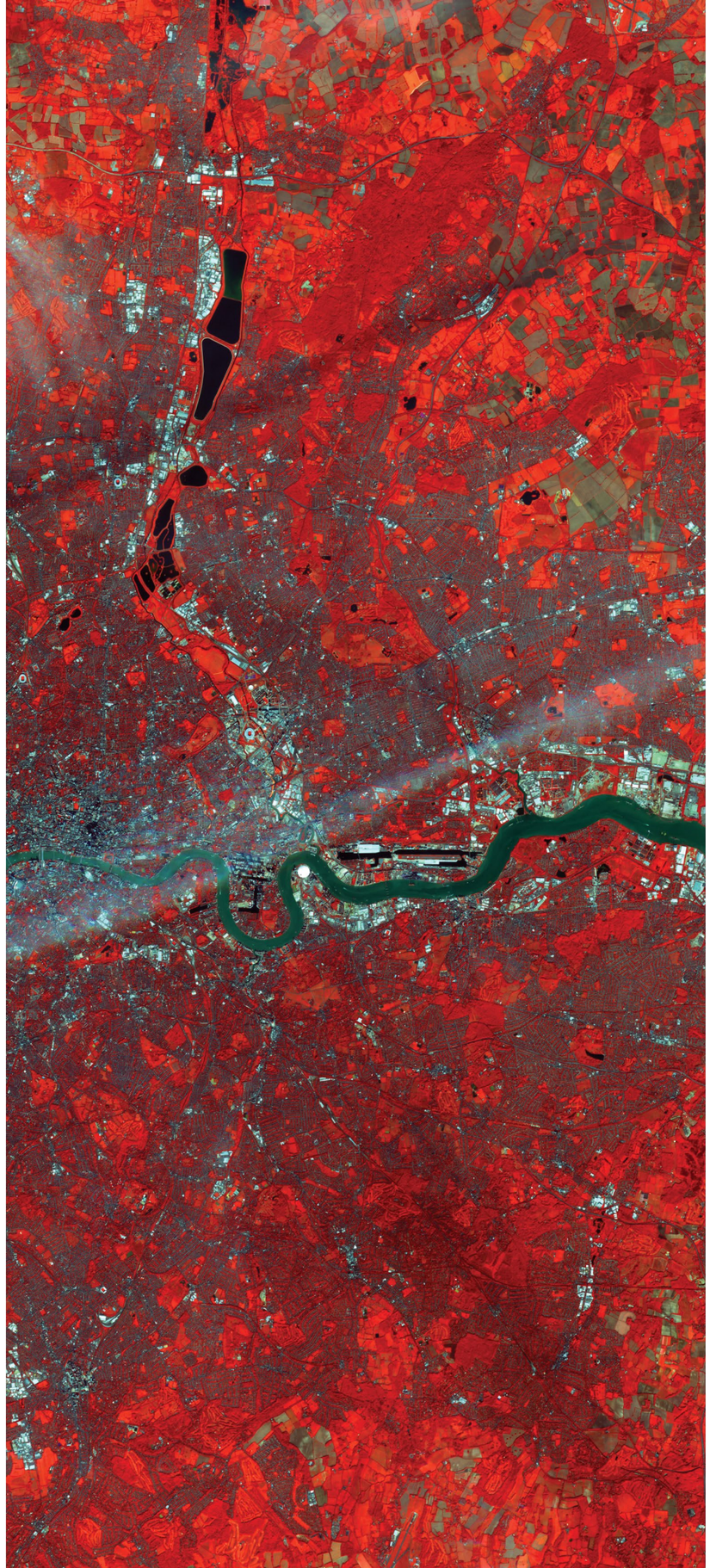
Highways

Railway

Croydon


Residential Landuse
Water
Strategic Industrial Locations
Boundaries
Highways
Railway

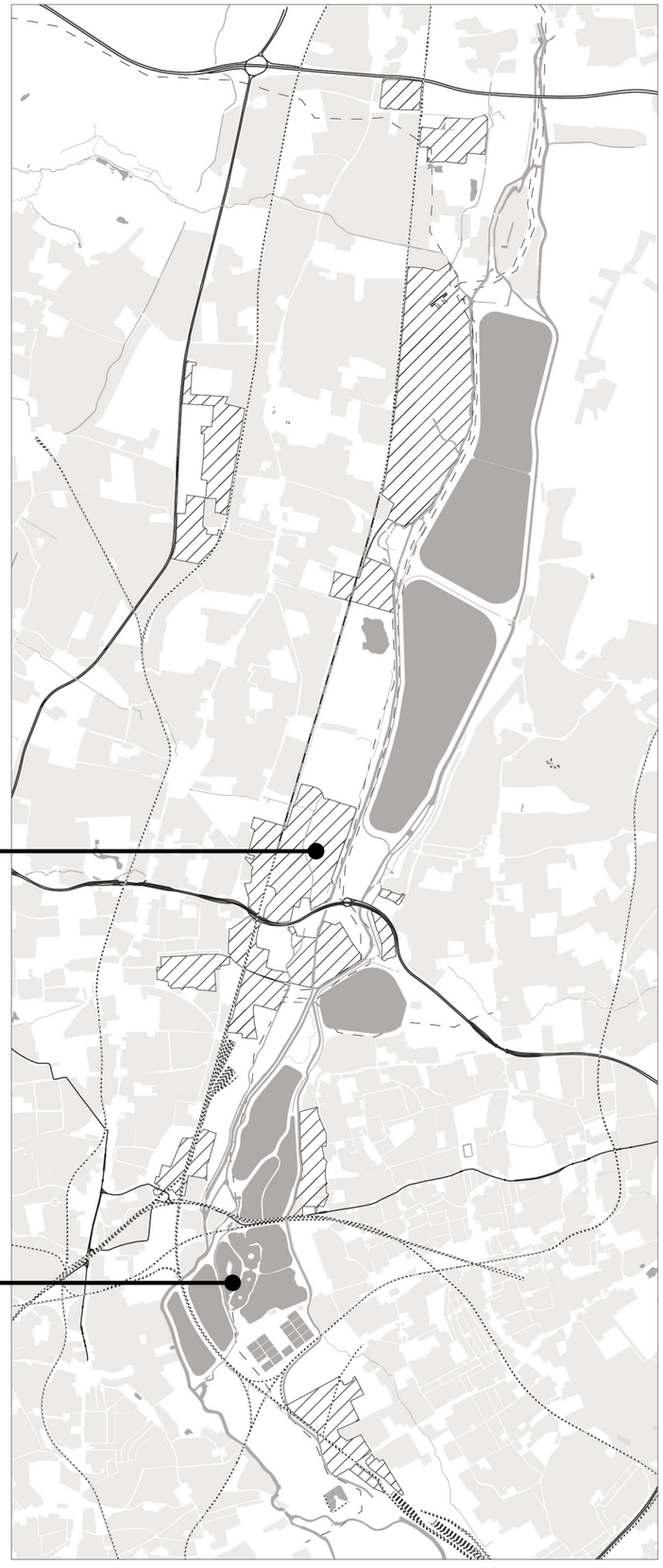
Satellite imagery Lea Valley/Port of London



Lea Valley







Residential Landuse

Water

Strategic Industrial Locations

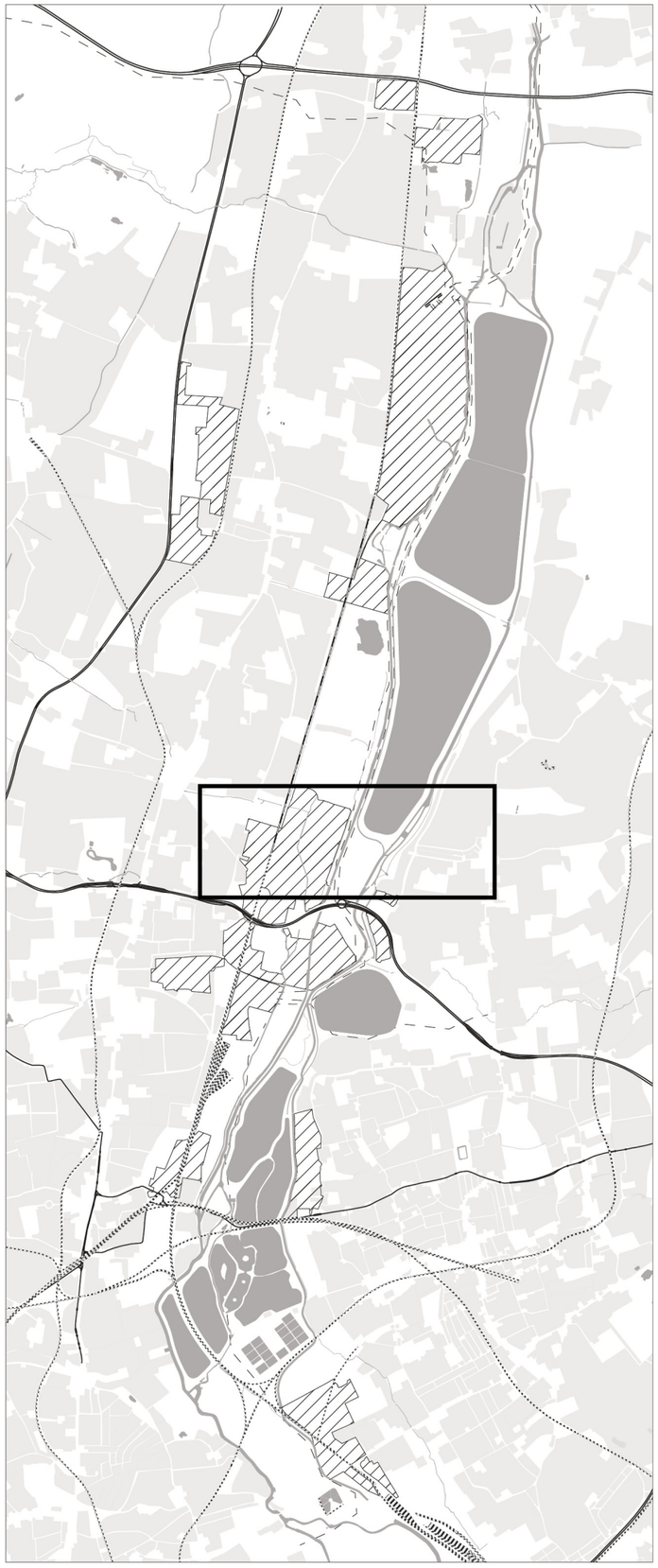
Powerlines

Highways

Railway

0 750 1500 m

Lea Valley



Residential Landuse

Water

Strategic Industrial Locations

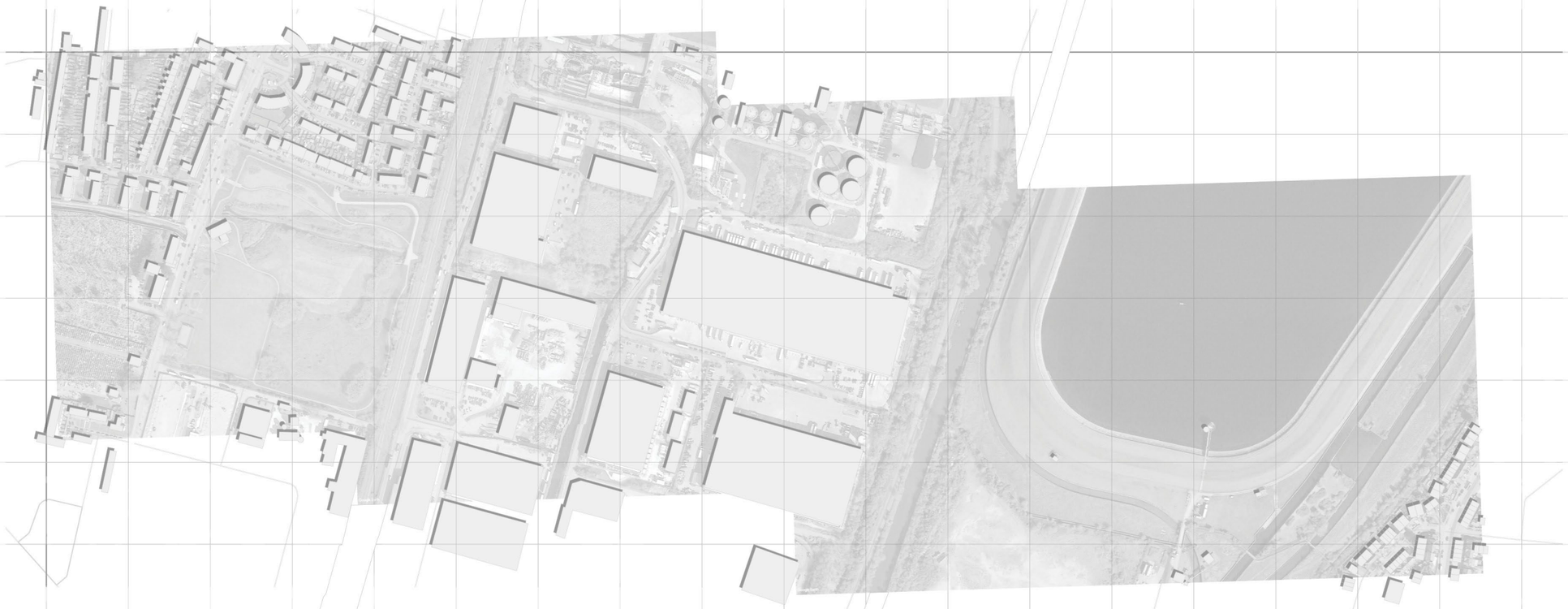
Powerlines

Highways

Railway

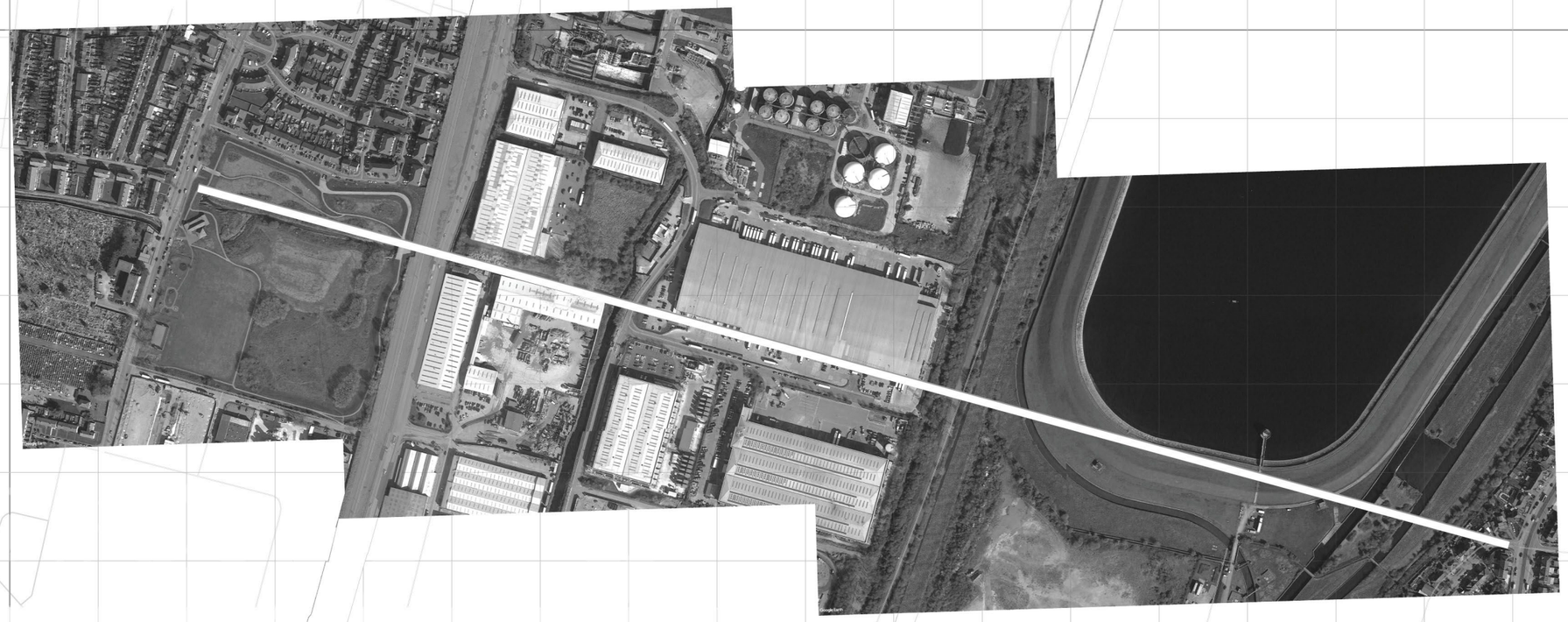
0 750 1500 m

Project site



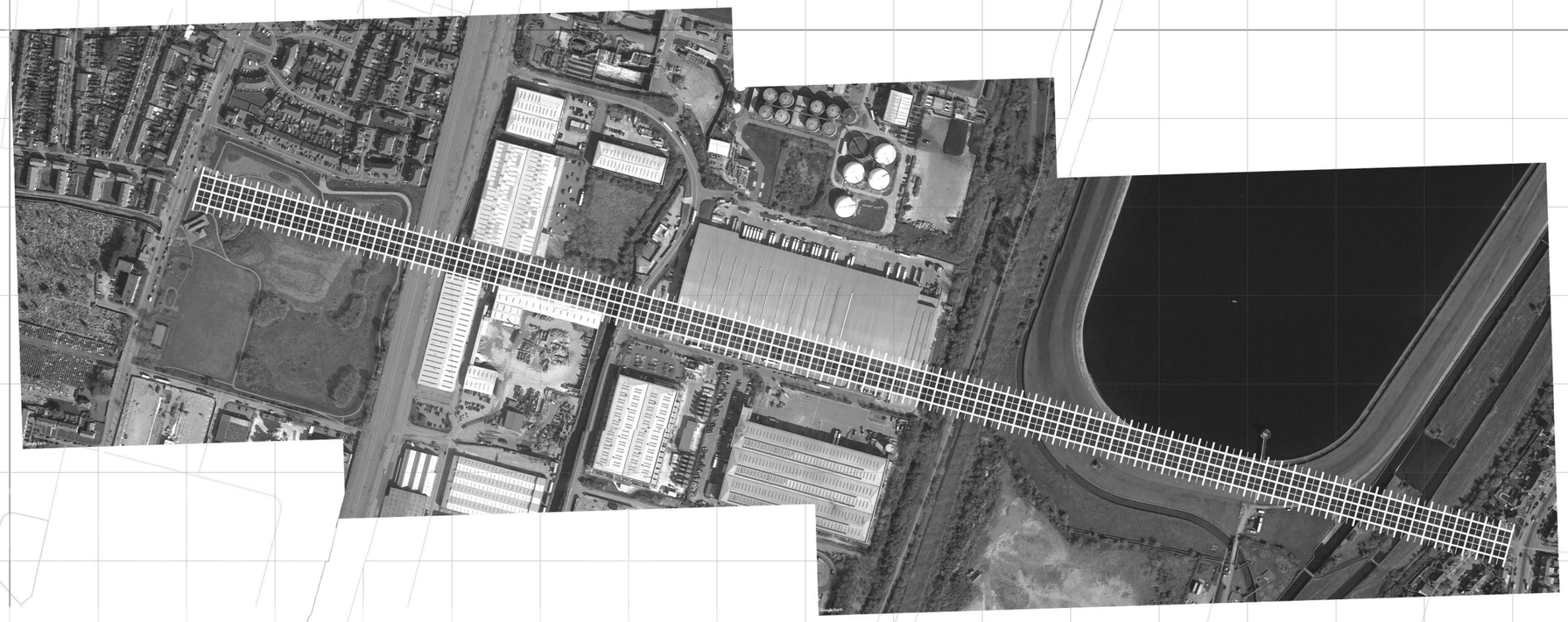
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Project site / connection



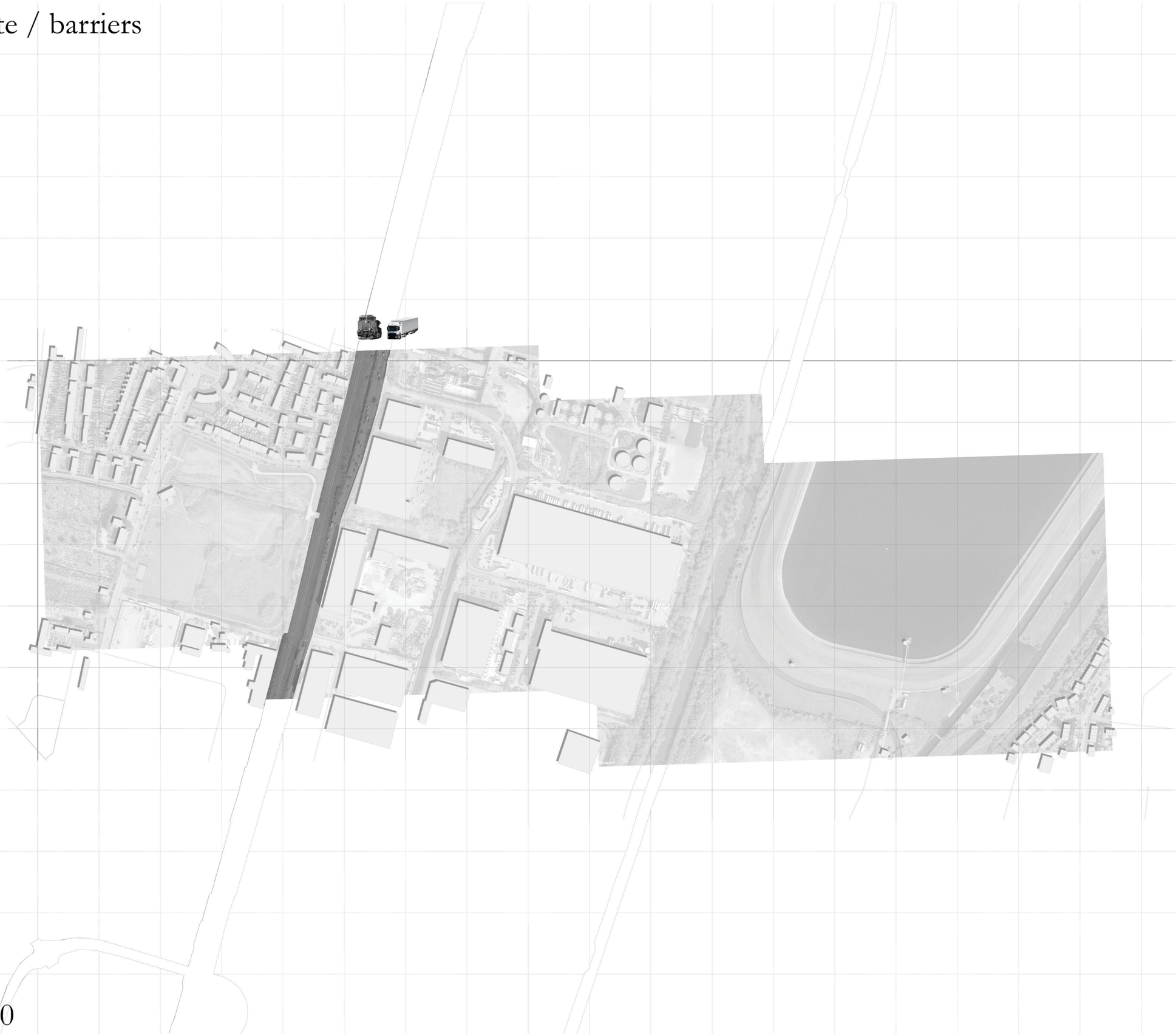
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Project site / grid



1:2000

Project site / barriers



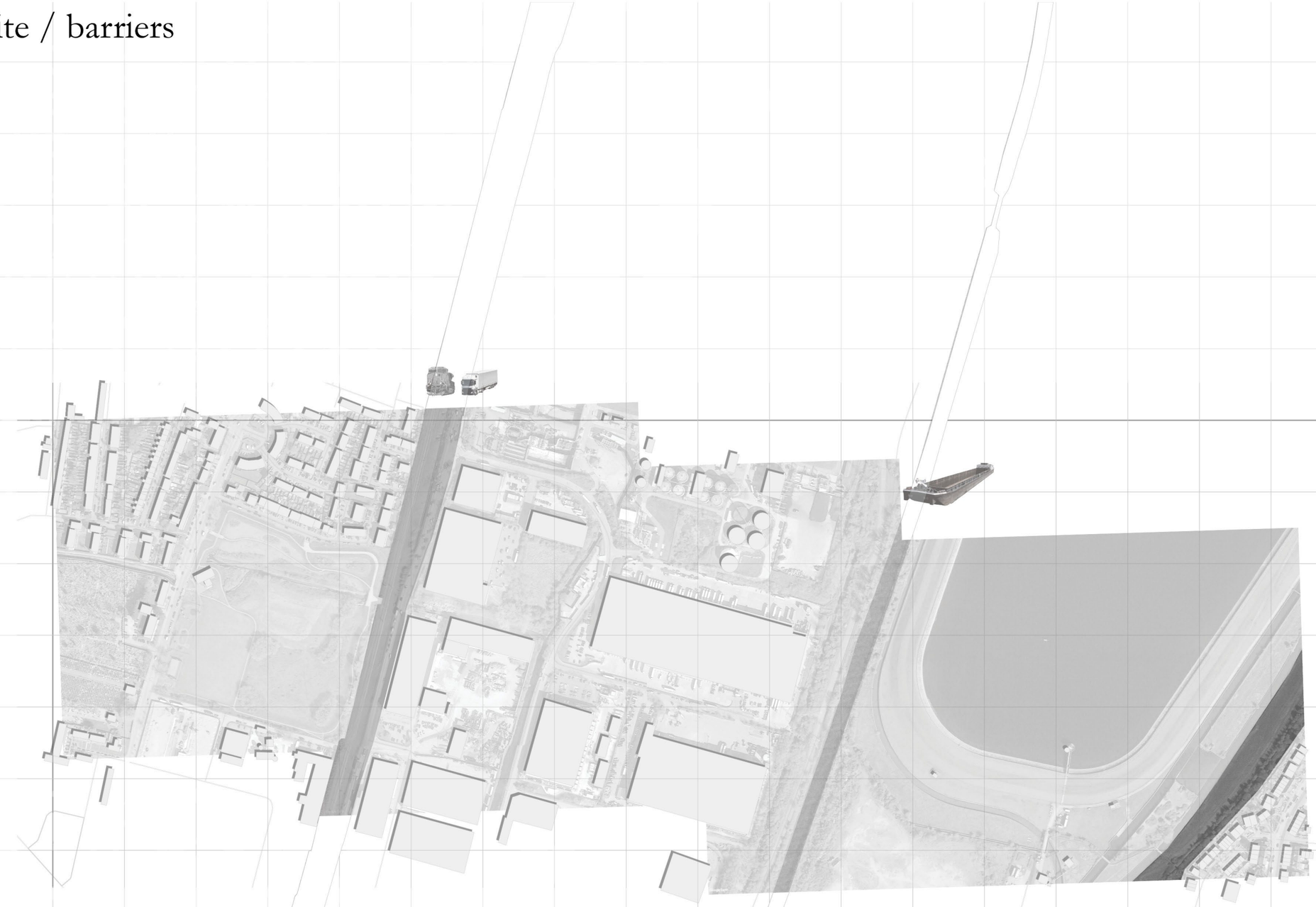
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Project site / barriers



1:2000

Project site / barriers



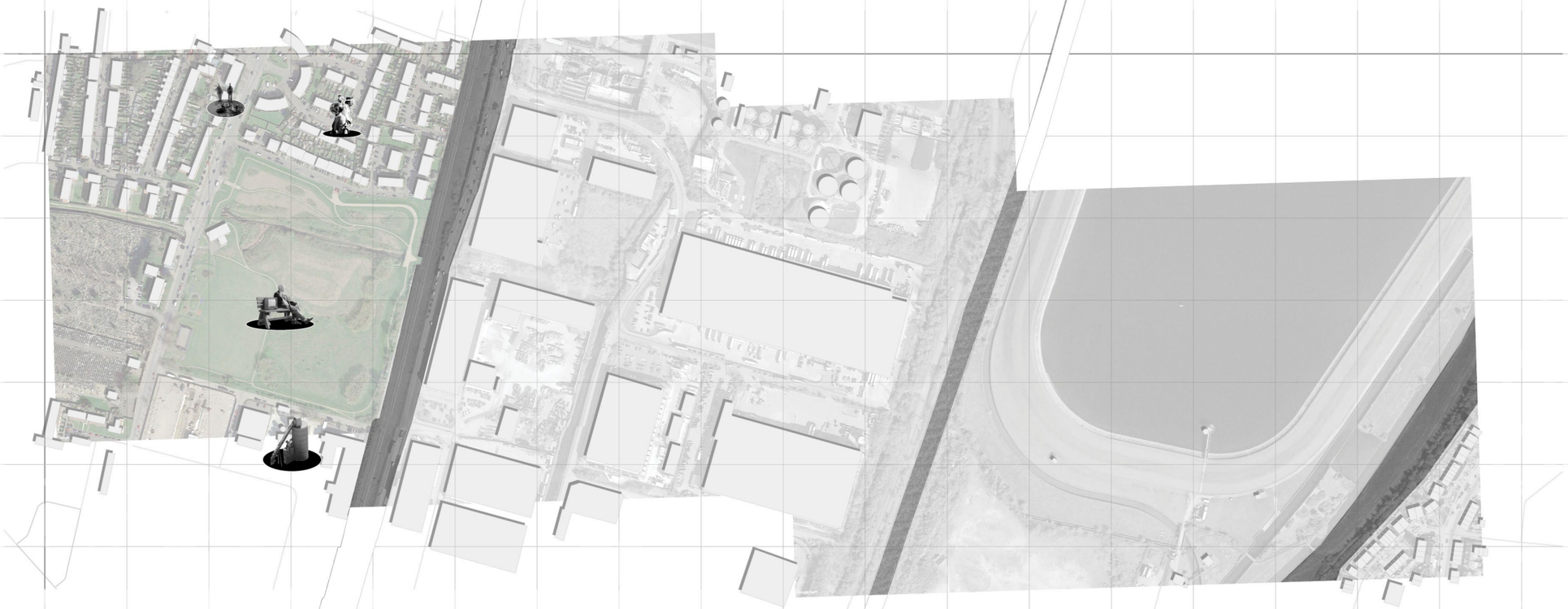
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Project site / barriers



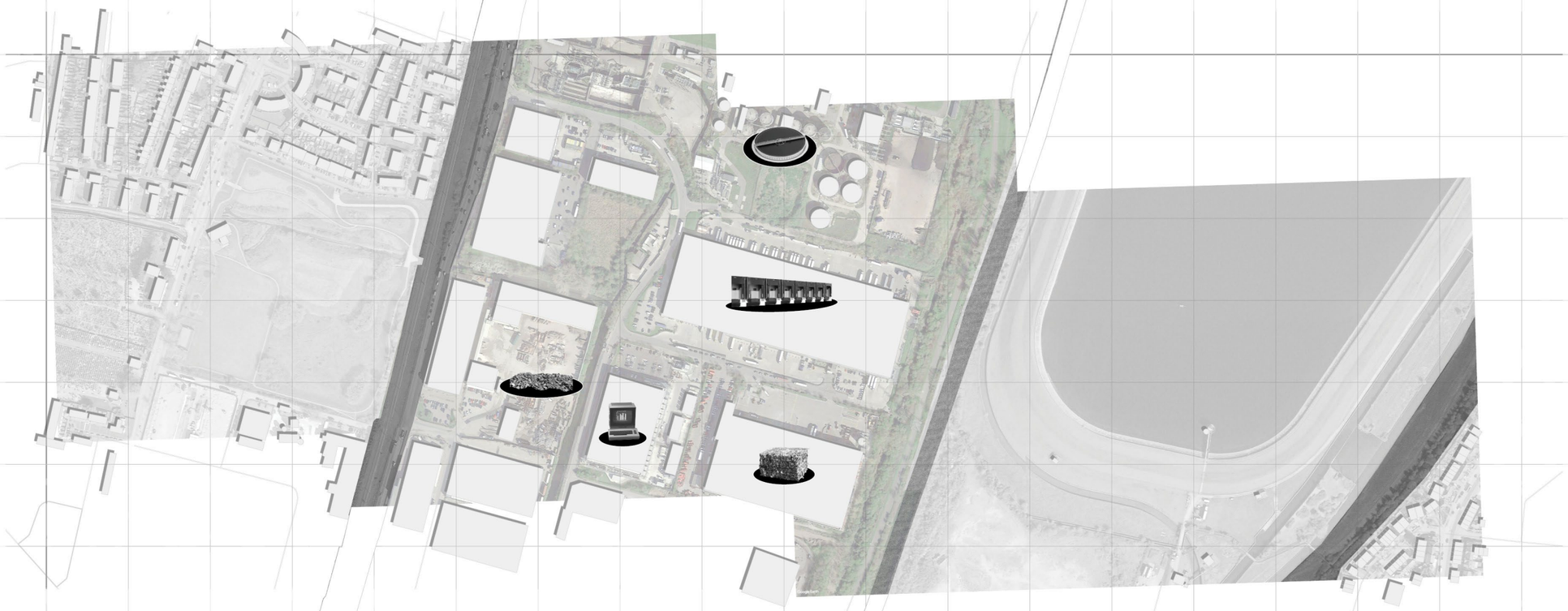
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Project site / zones



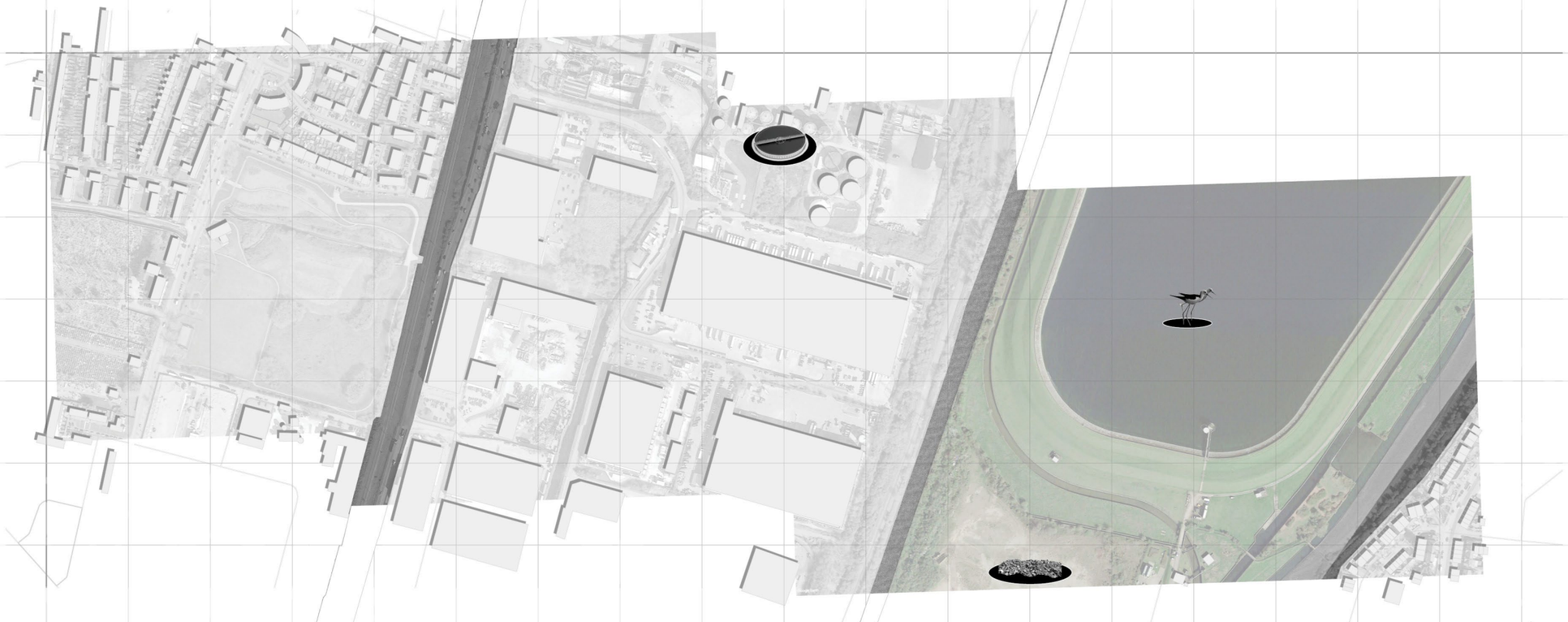
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Project site / zones



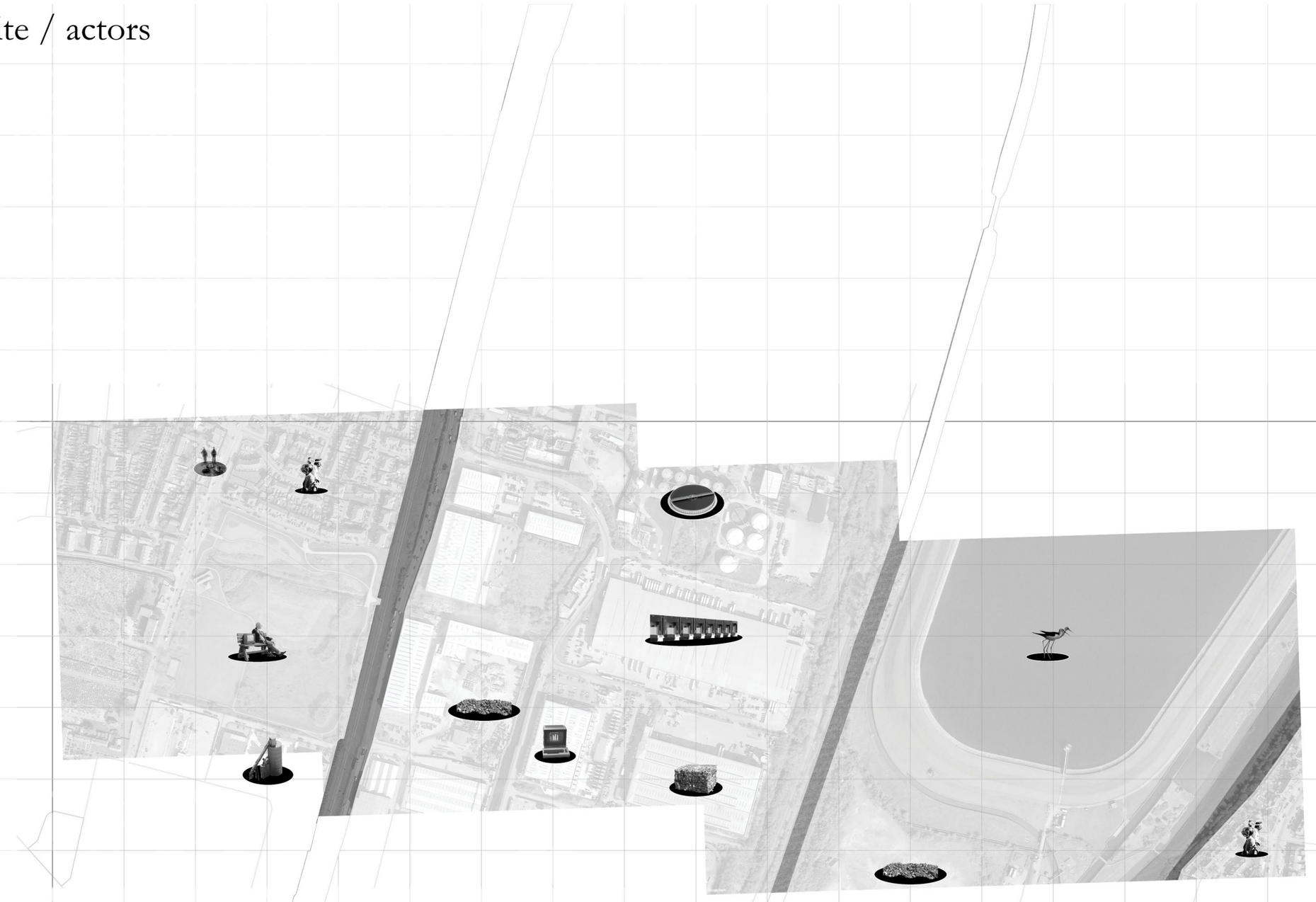
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Project site / zones



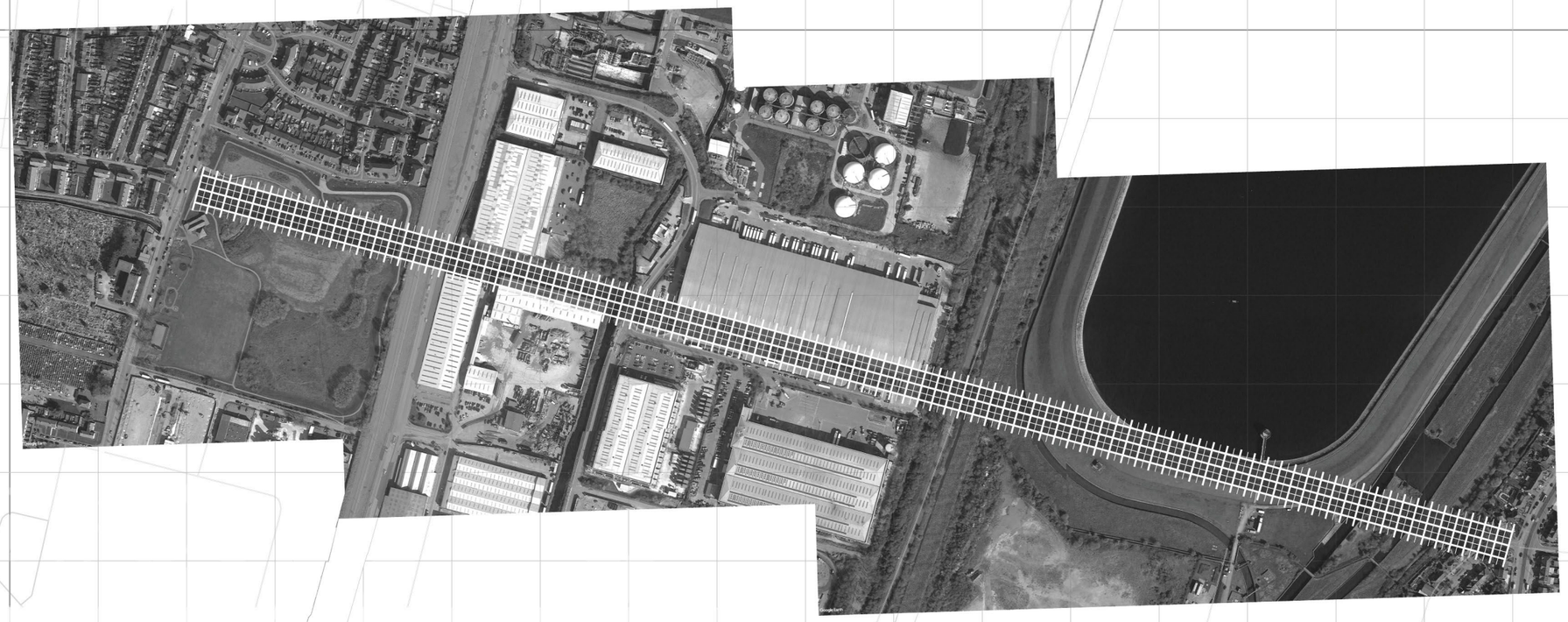
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Project site / actors



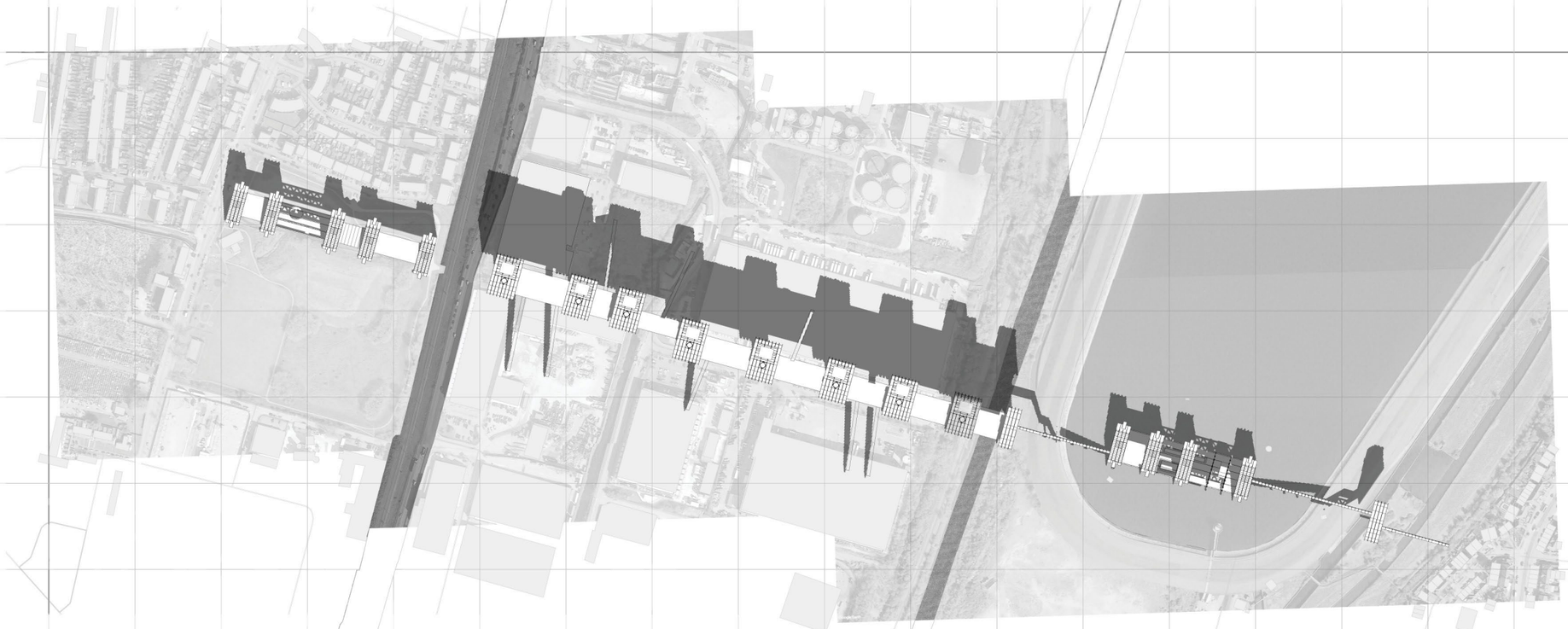
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Project site / grid



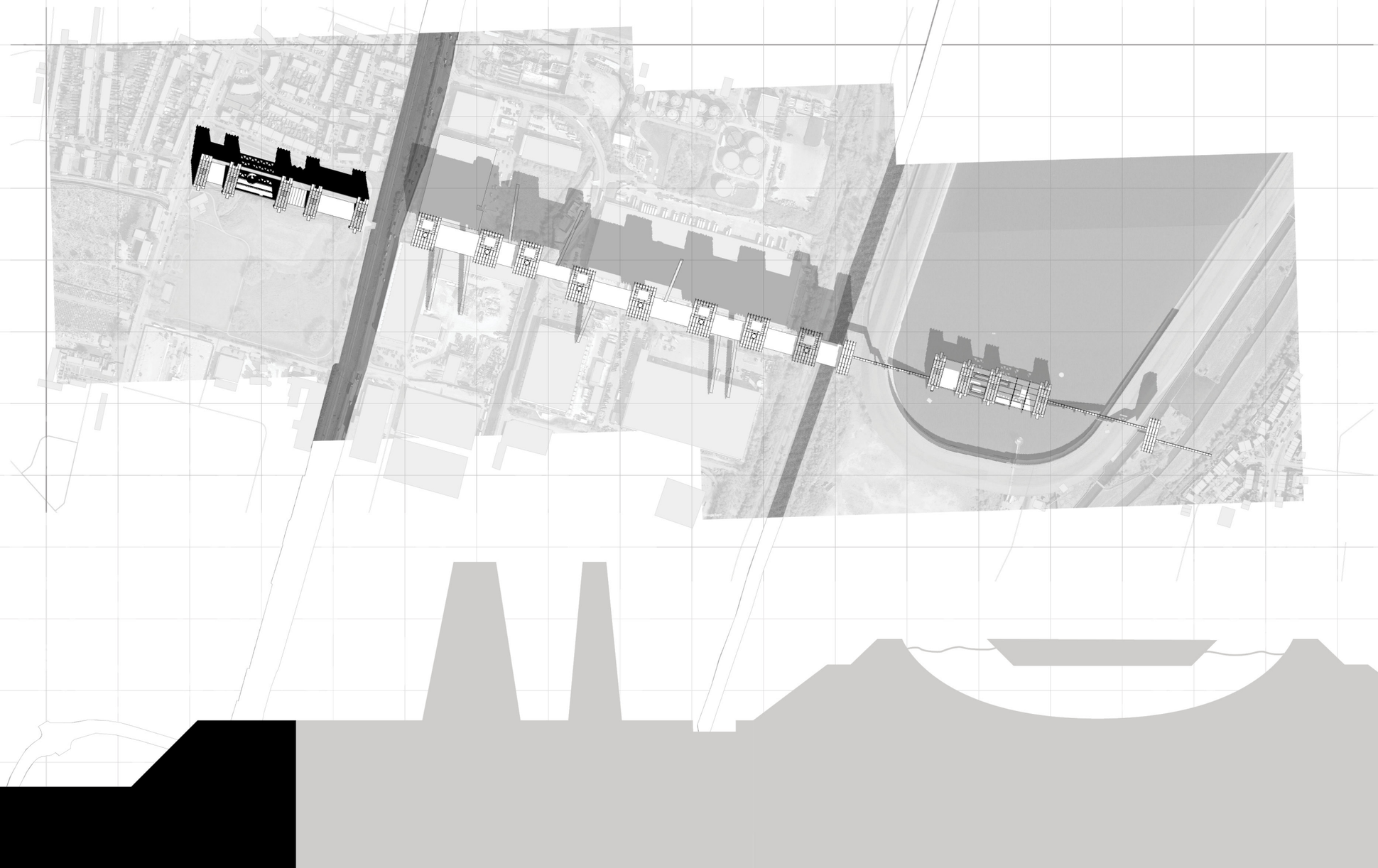
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Project site / megastructure

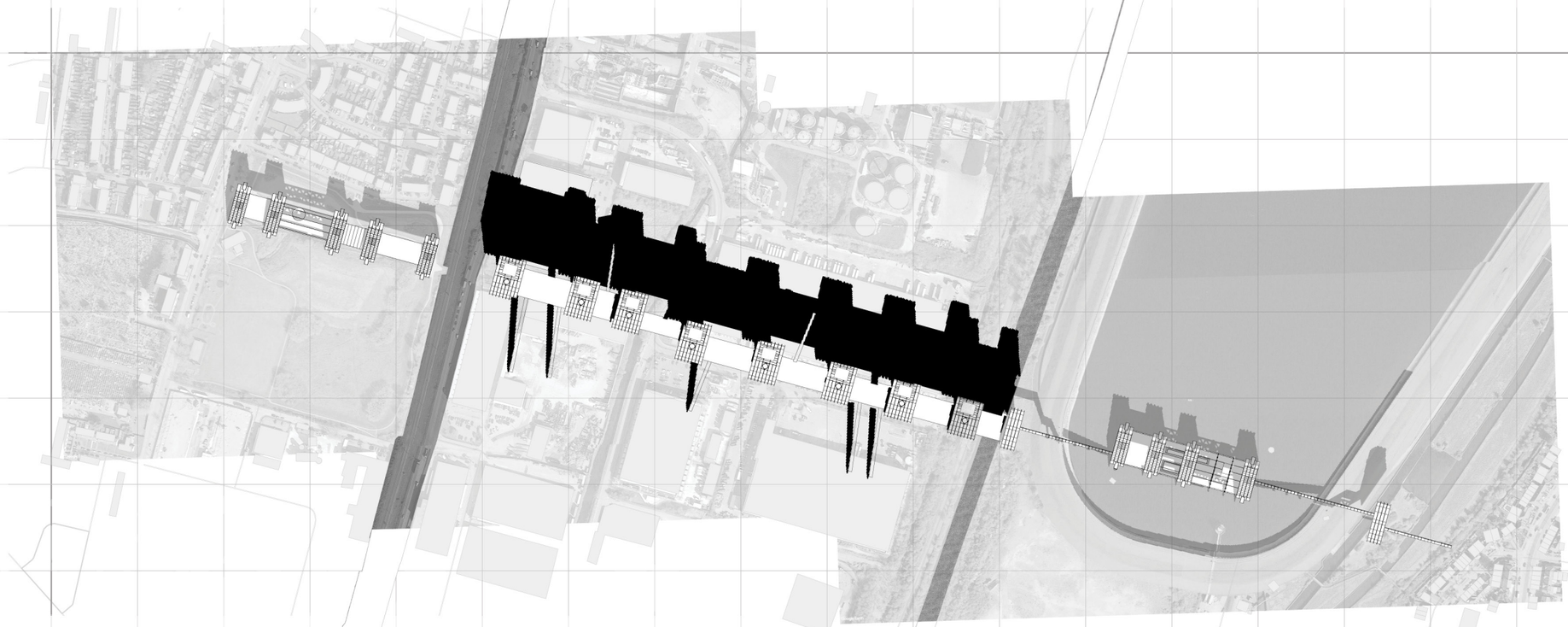


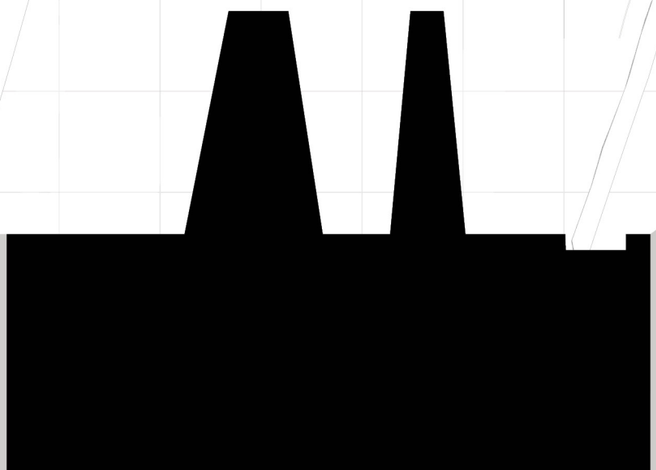
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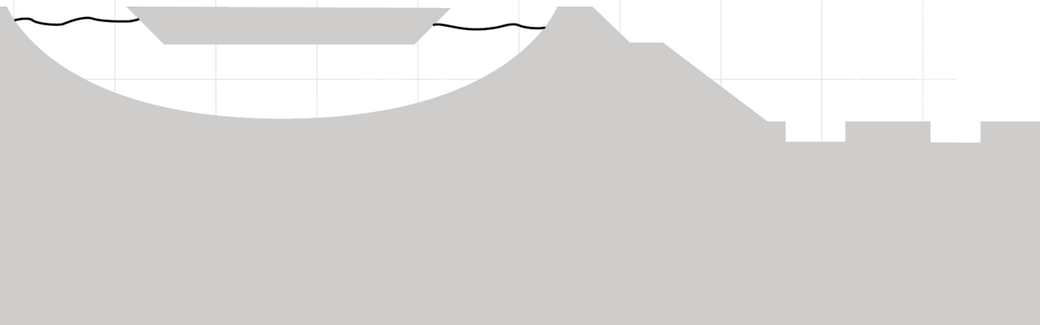
Project site / ground conditions



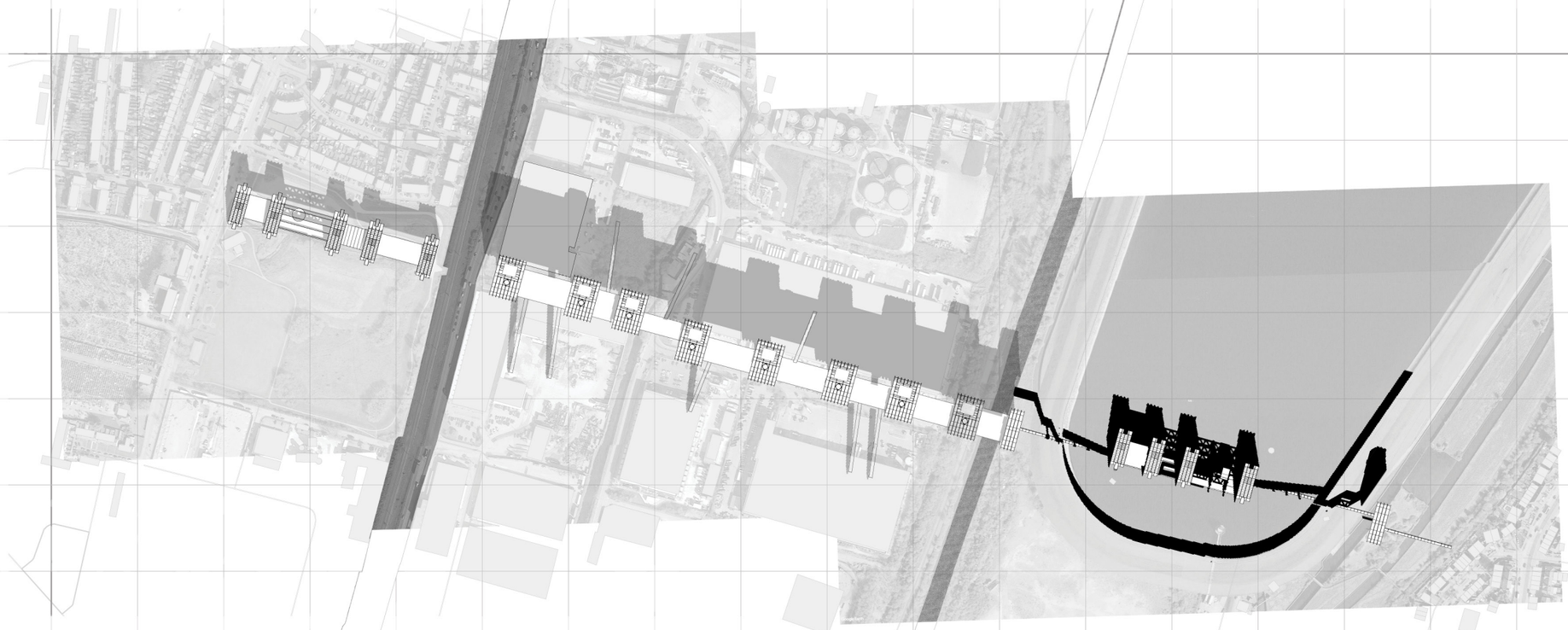
Project site / ground conditions

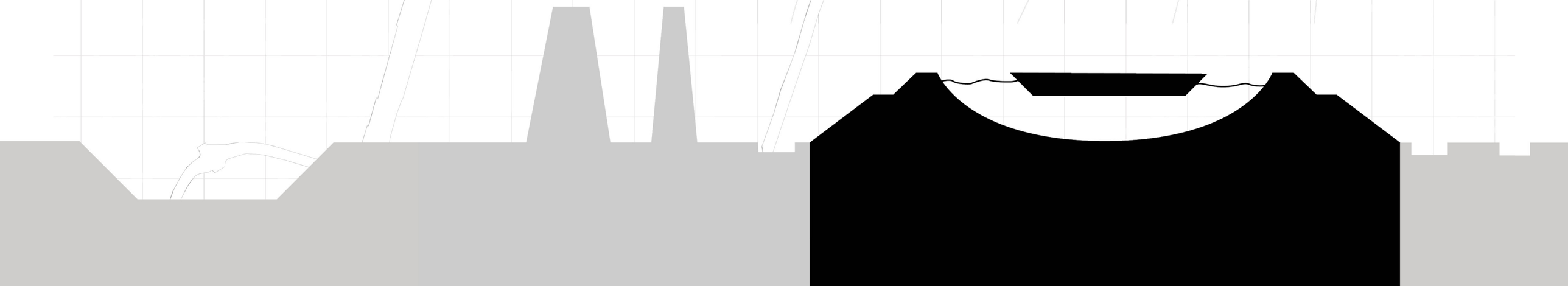




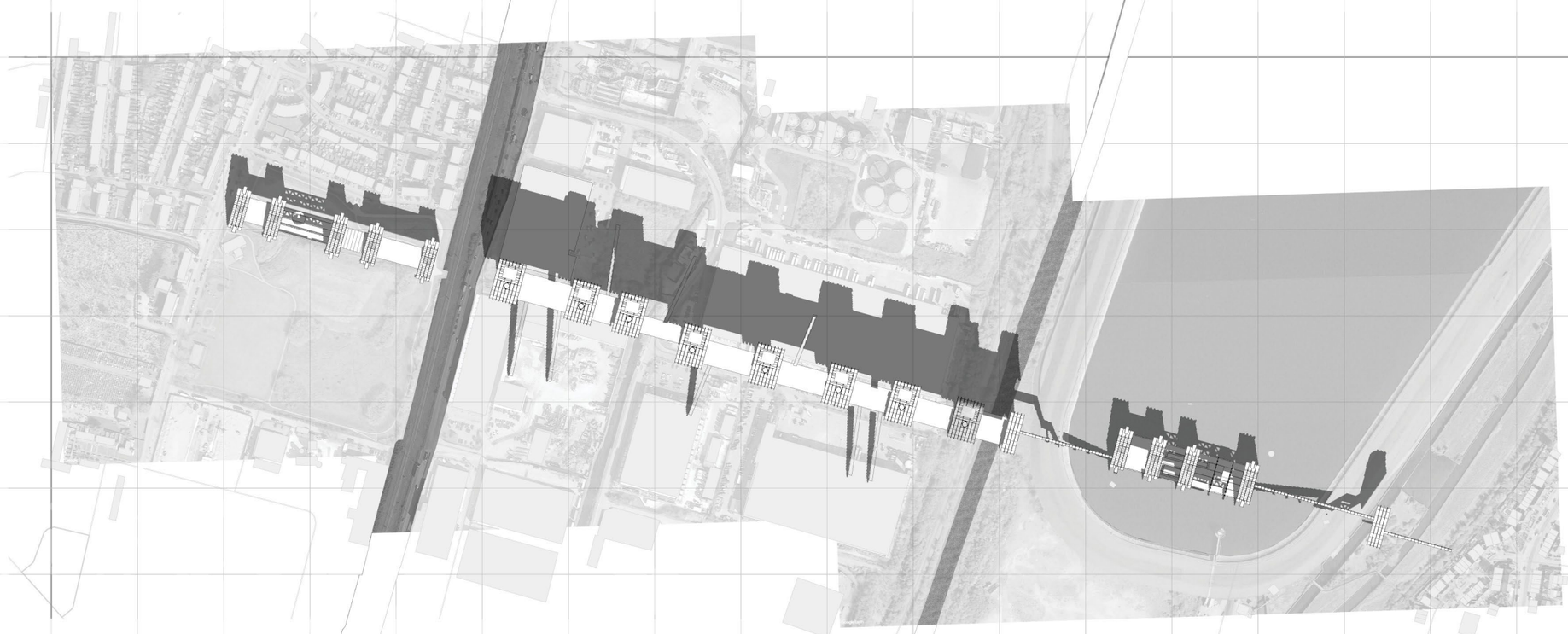


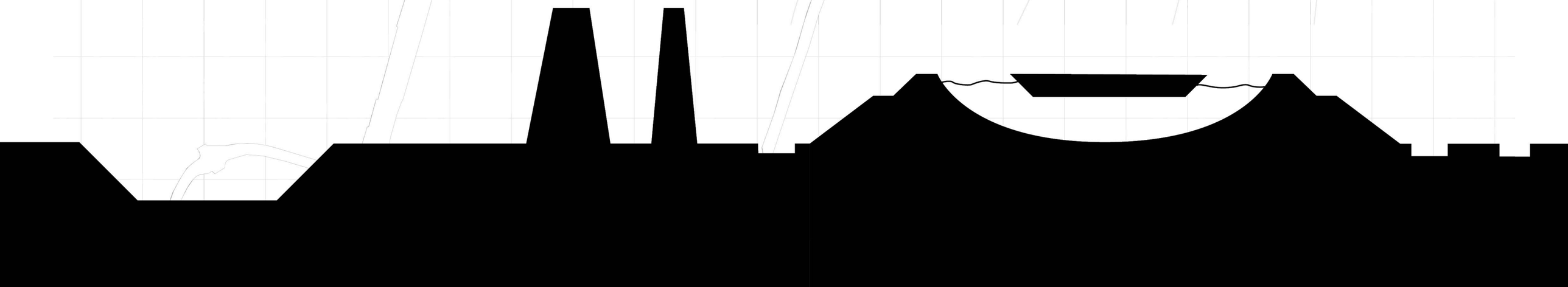
Project site / ground conditions

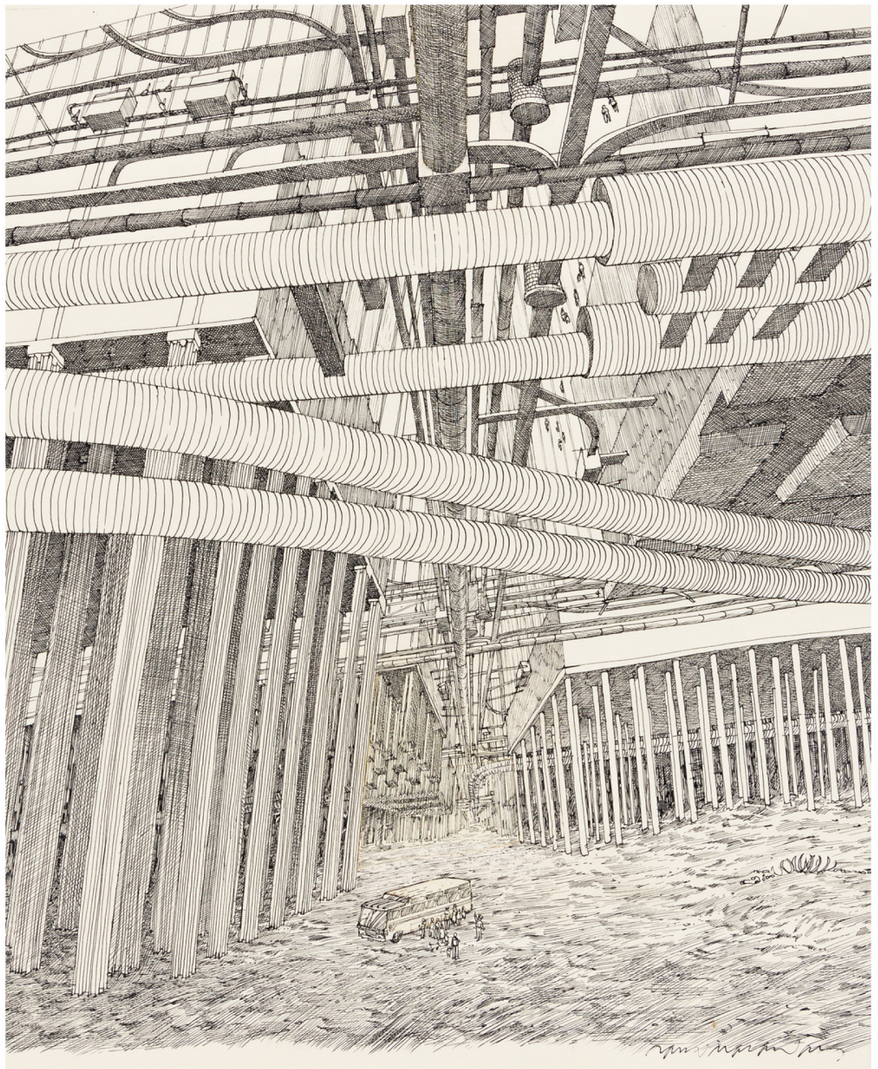




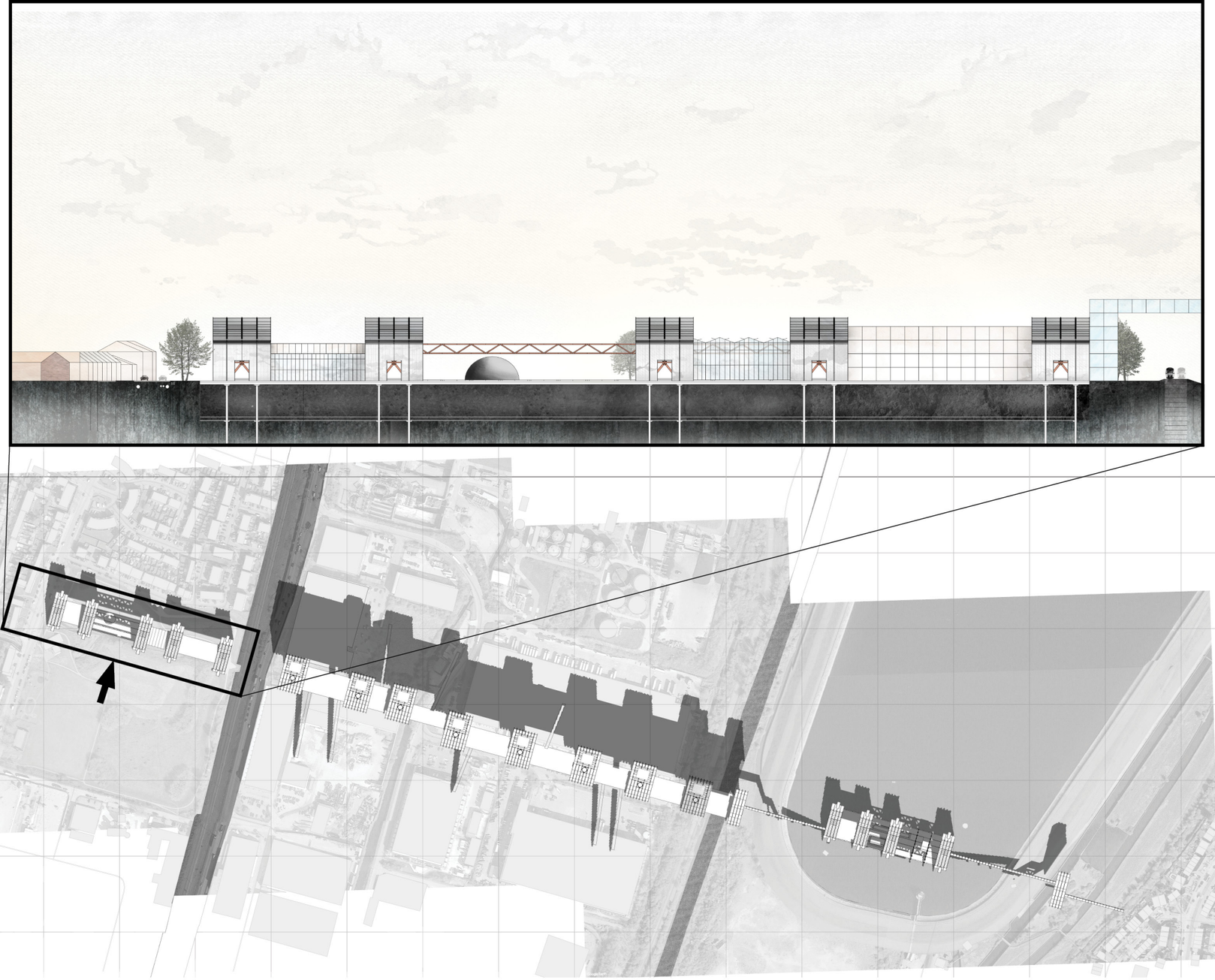
Project site / ground conditions







Hidden Cityscapes



Agrosocial sector

AS1.0

Robotics workshop
Anaerobic Digestion facility
Greenhouse
Datacenter

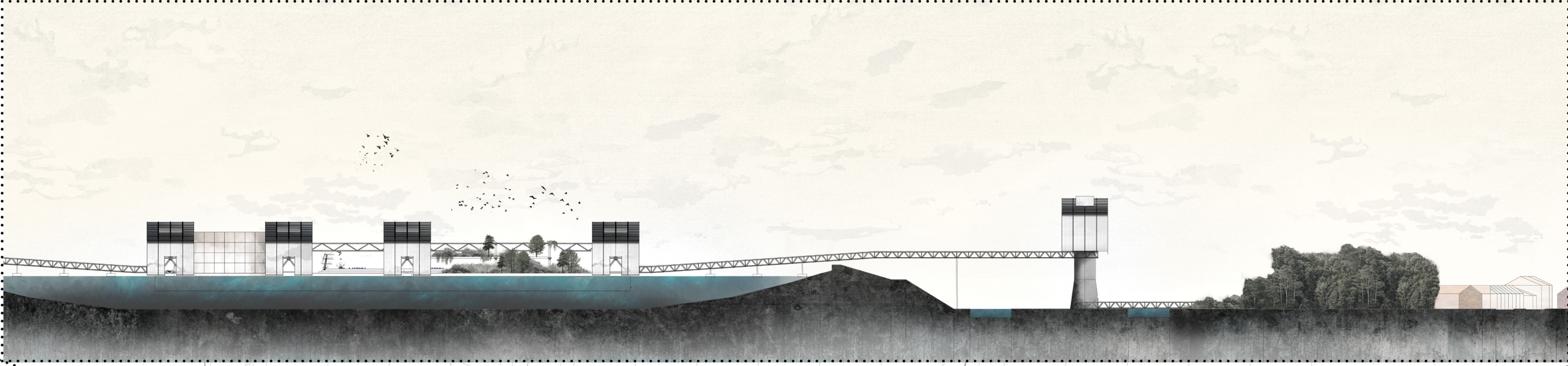


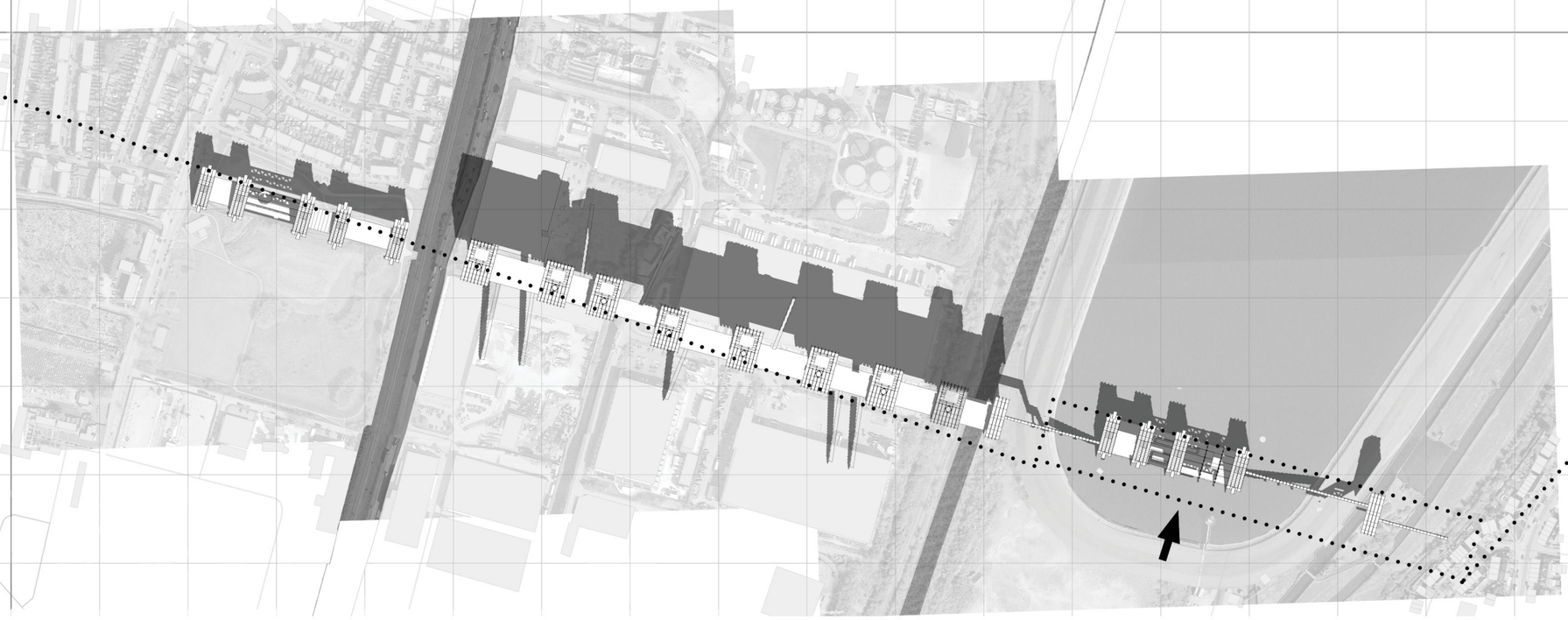


Production sector

PR2.0

Concrete recycling plant
Plastic manufacturing
Datacenter
Solar-energy field

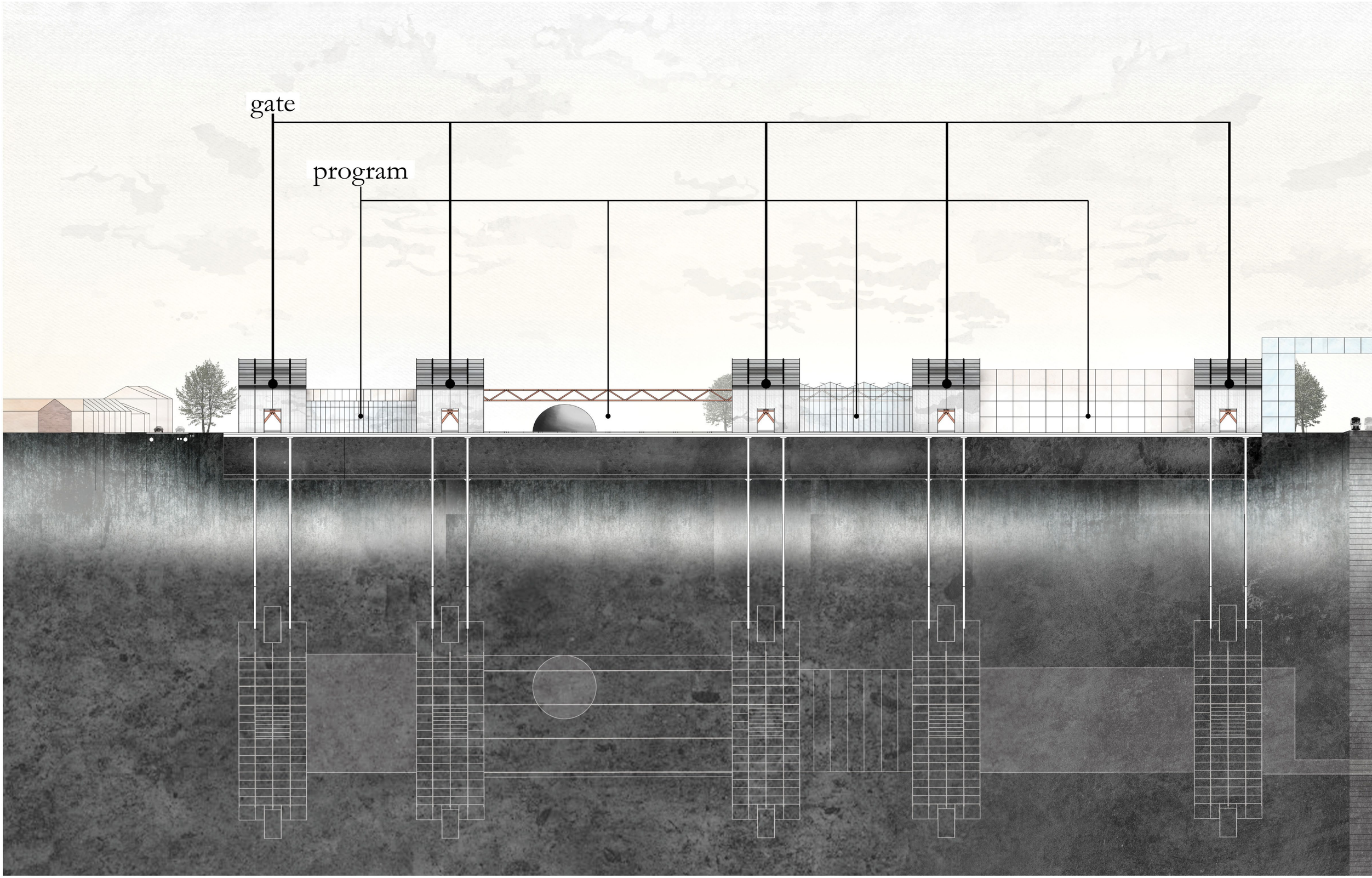


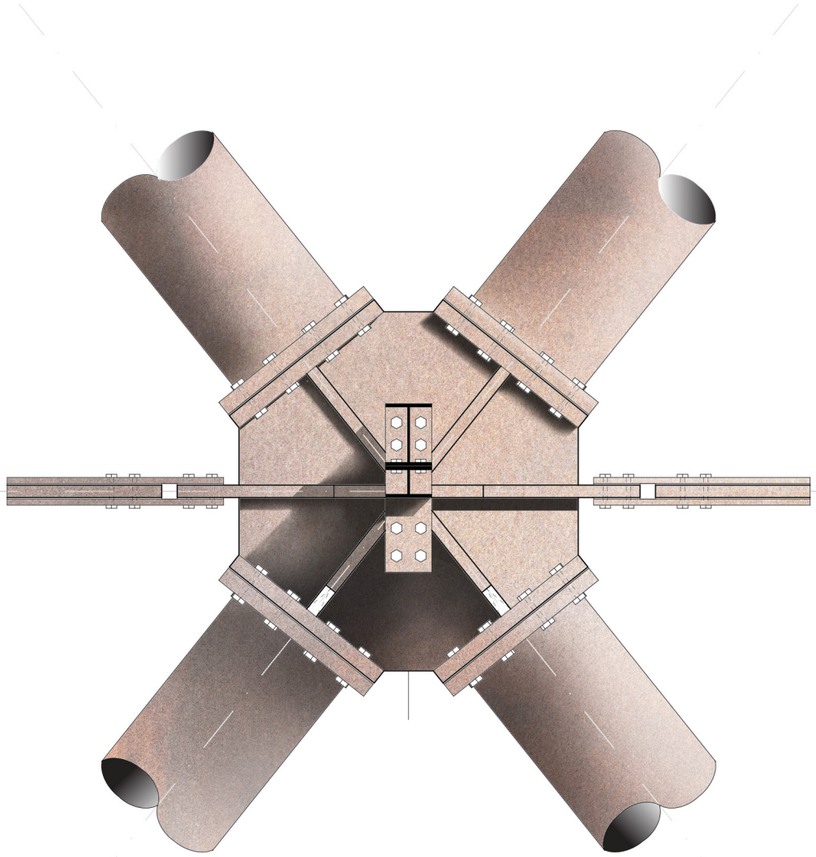


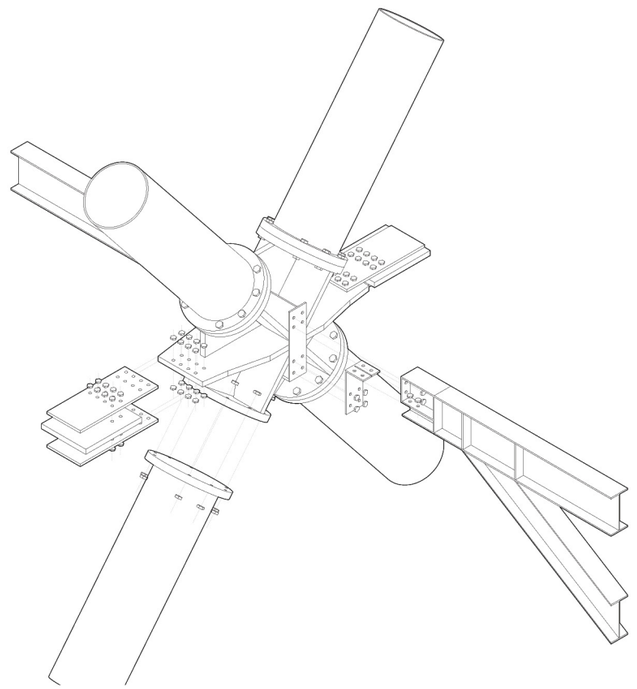
Leisure sector

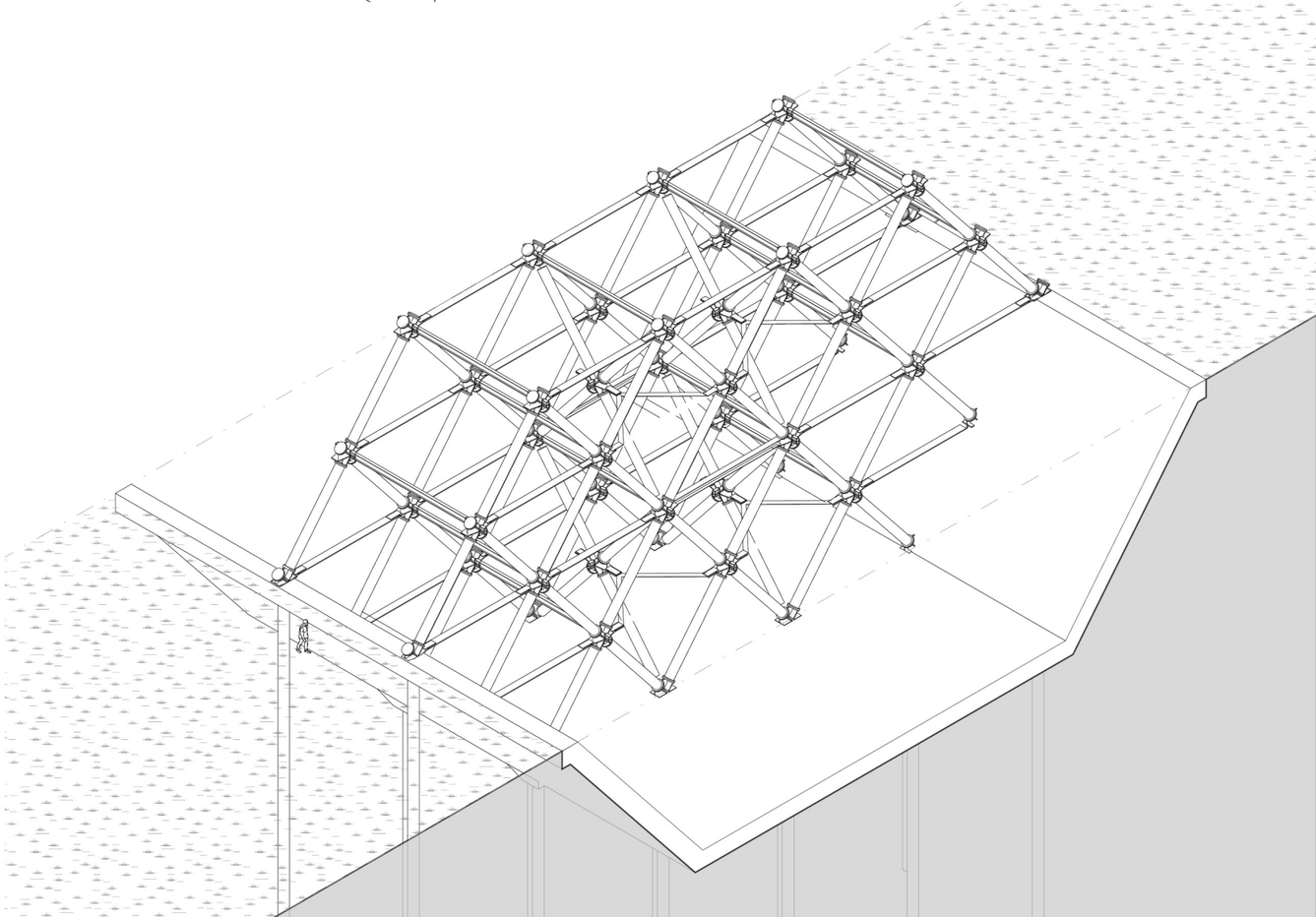
WA3.0

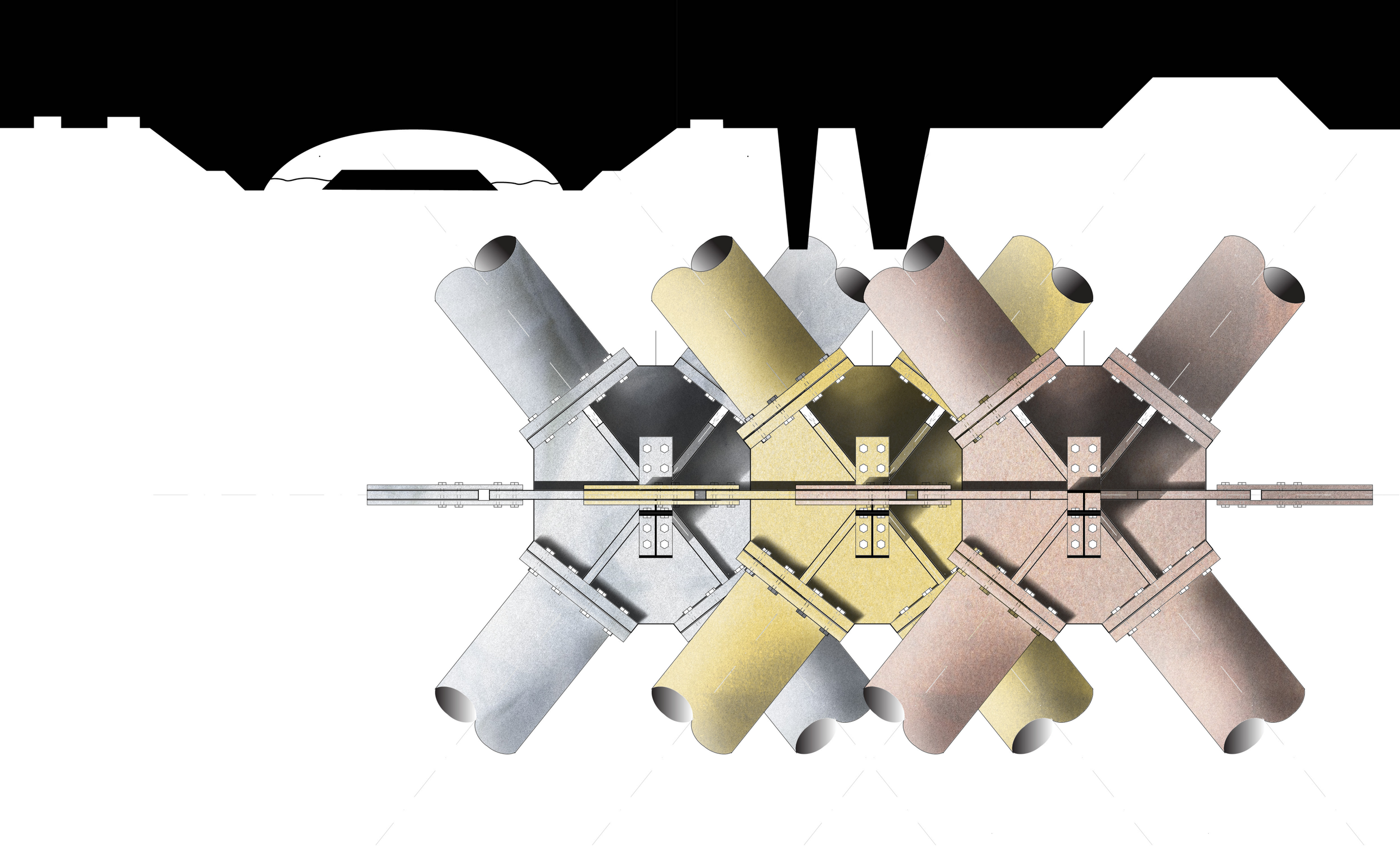
Datacenter
Swimming pool
Bird habitat
Productive forest


gate
program

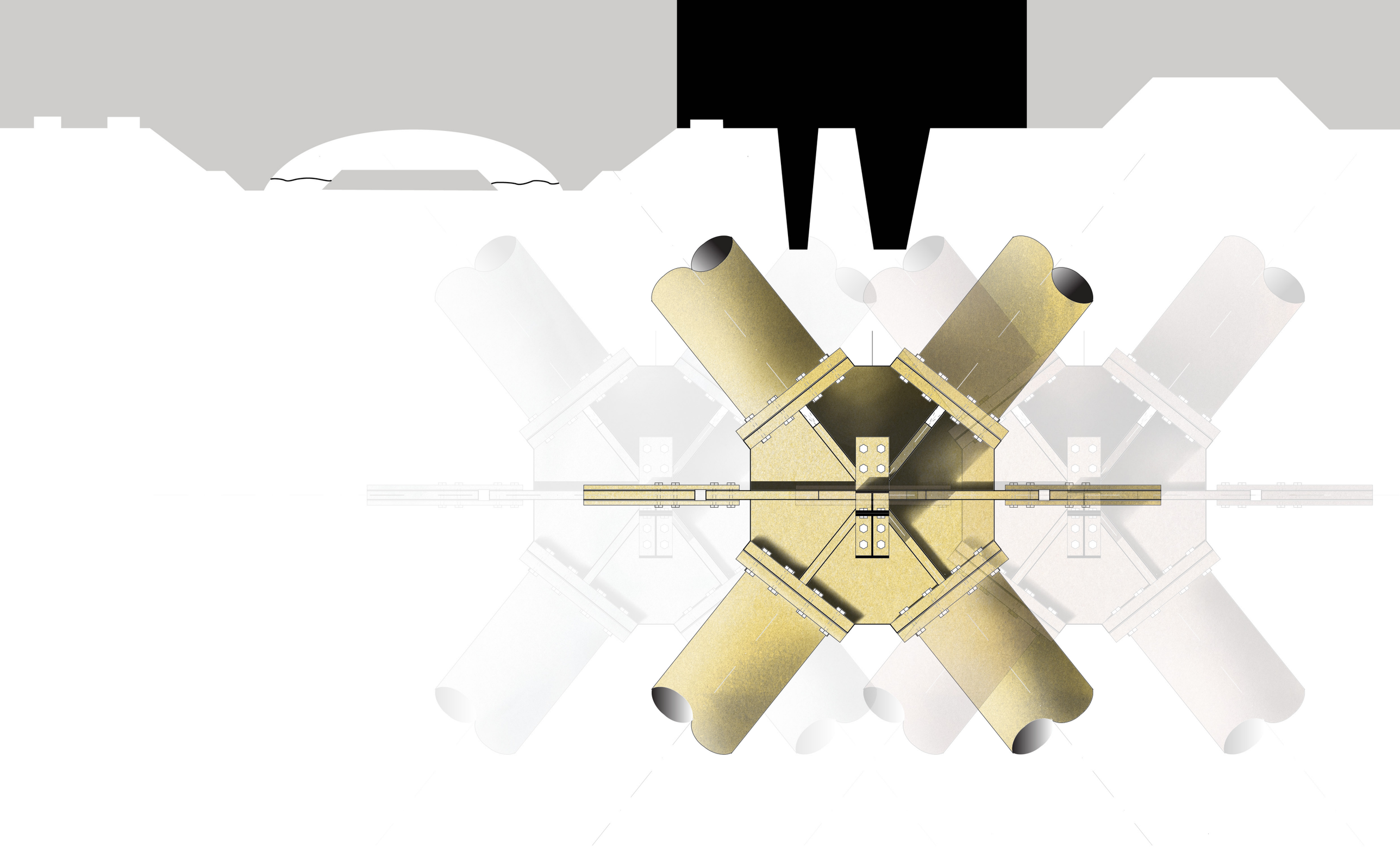


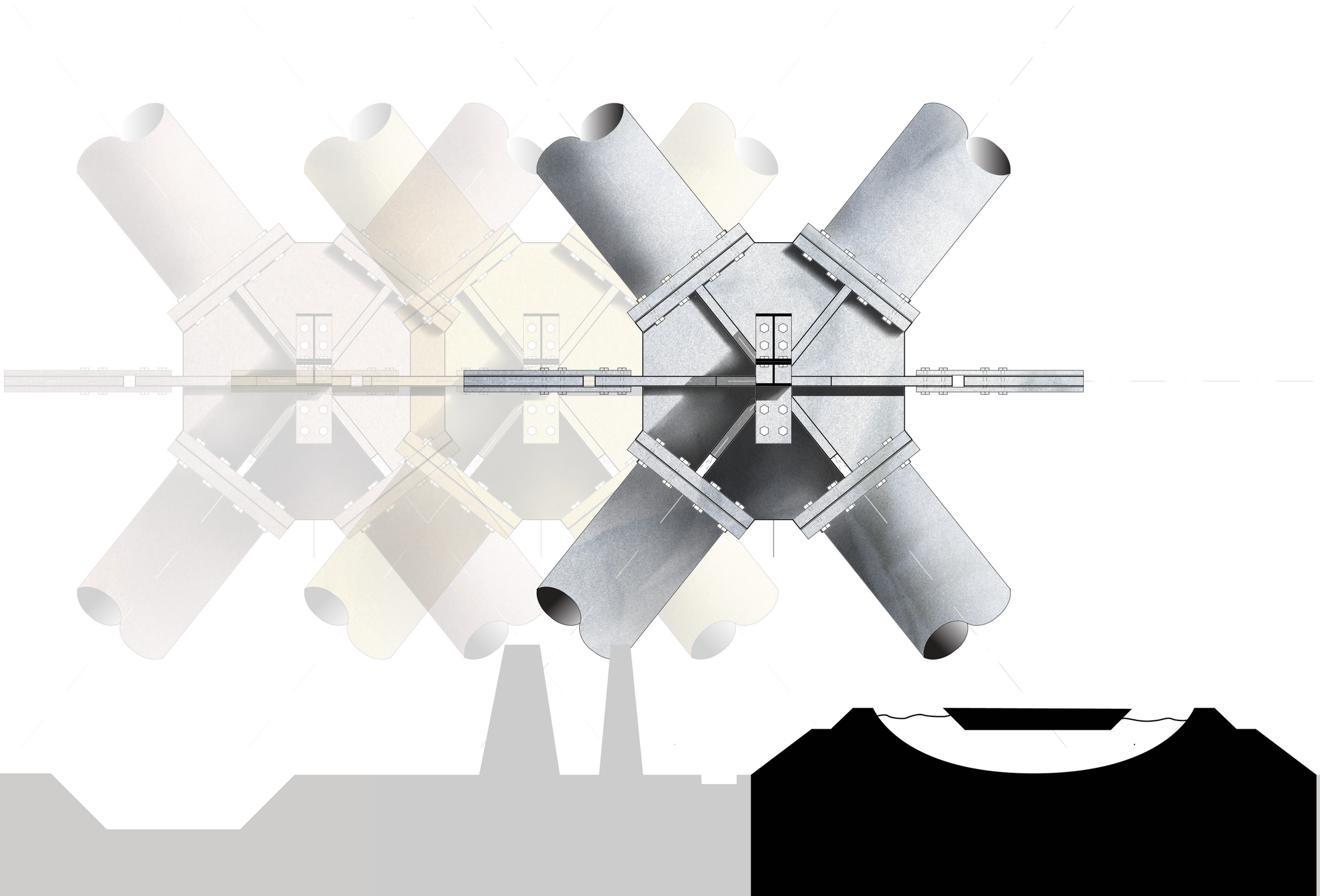


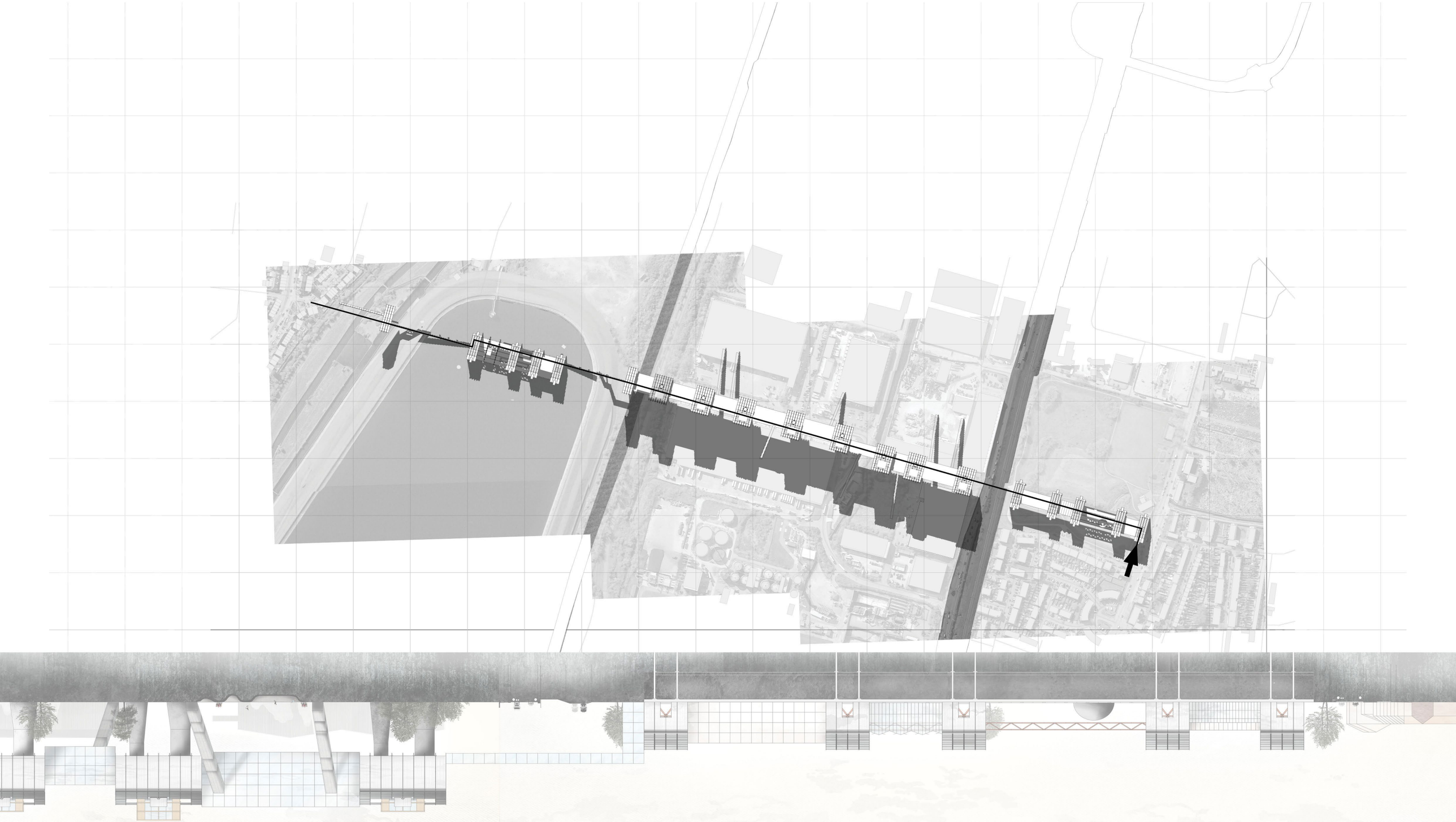


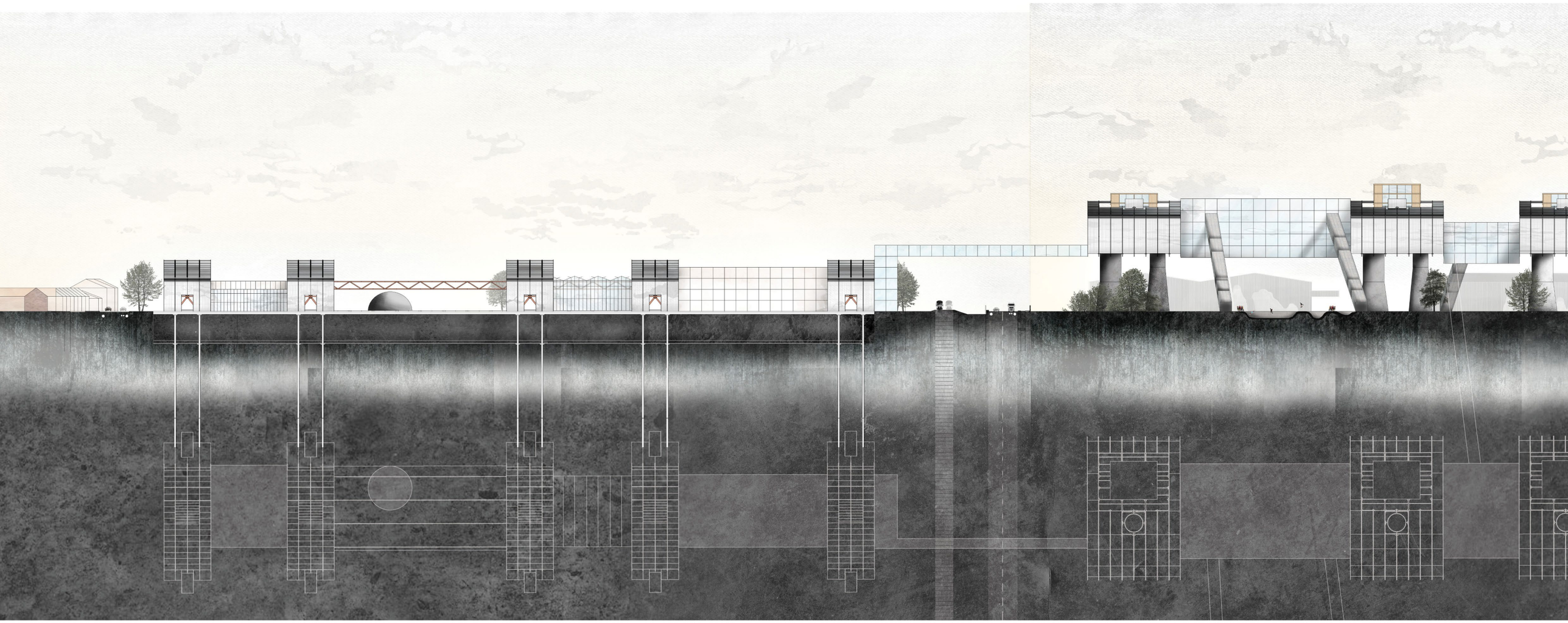


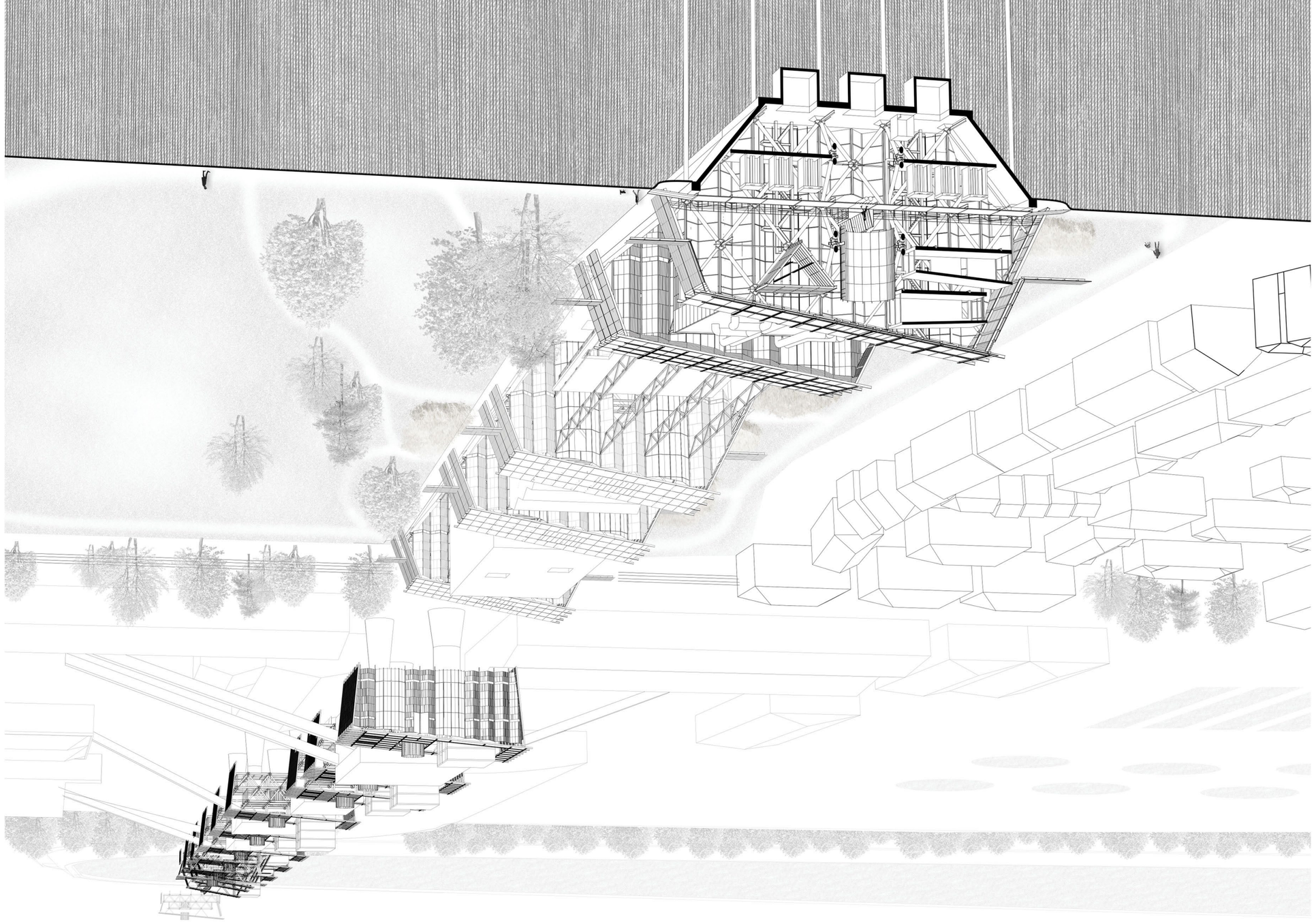














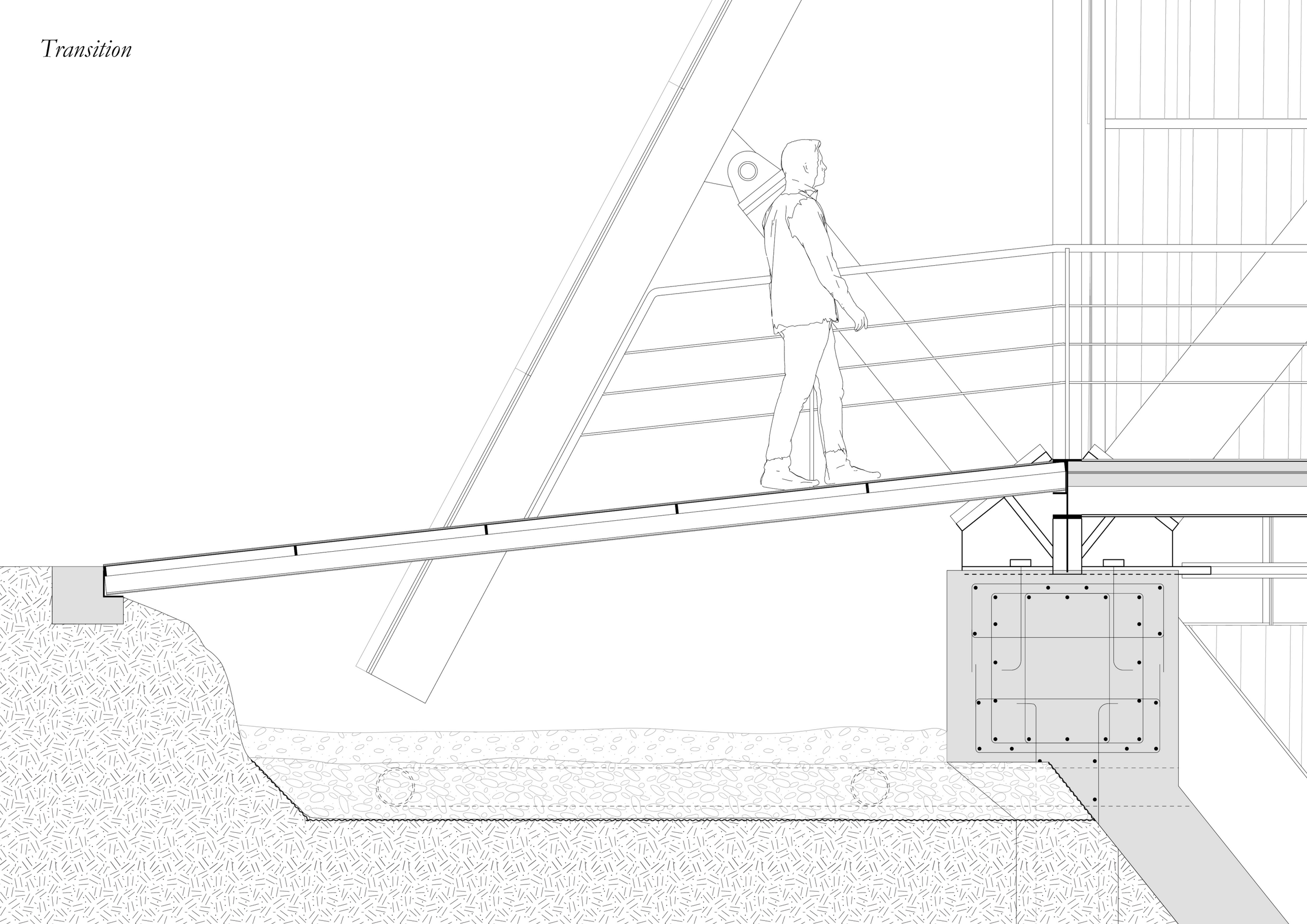
Agnes Denes - Wheatfield in Newyork



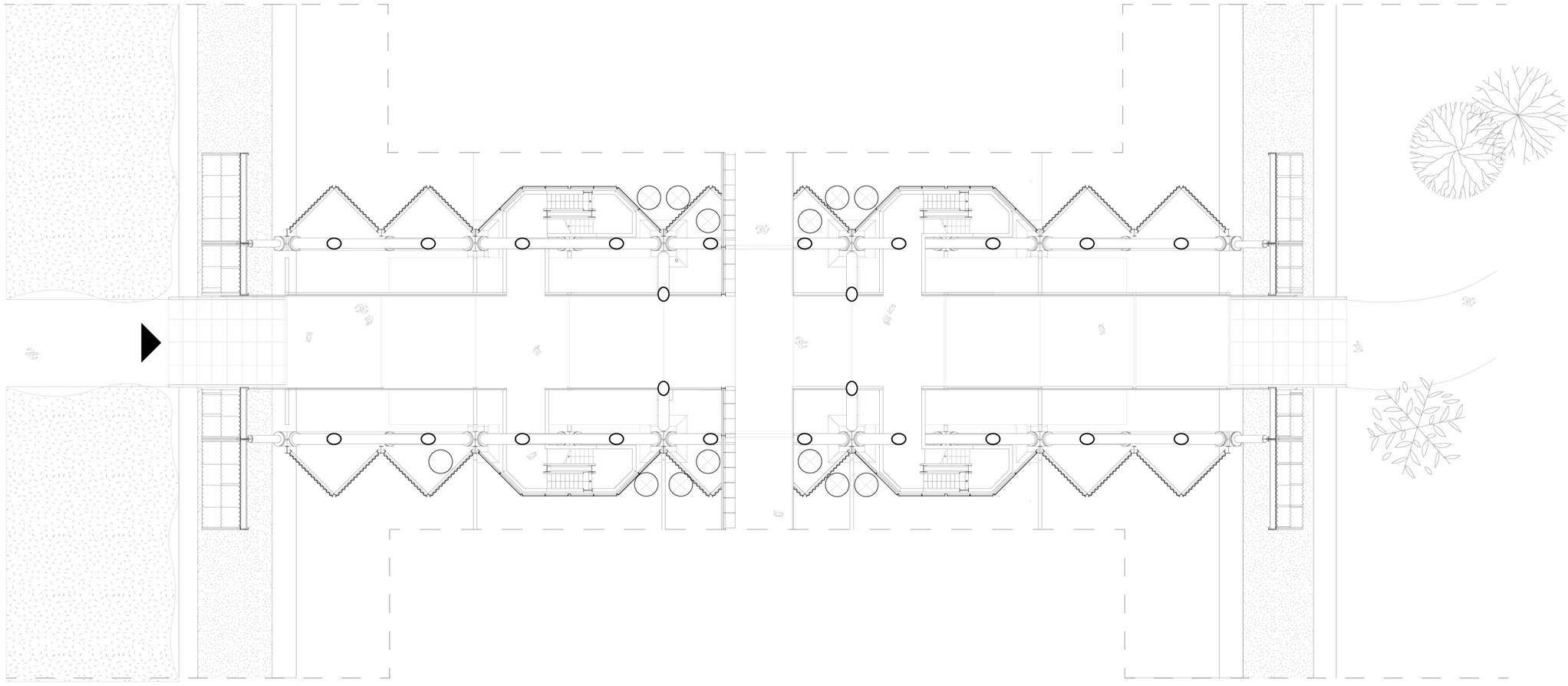
Entrance



Transition

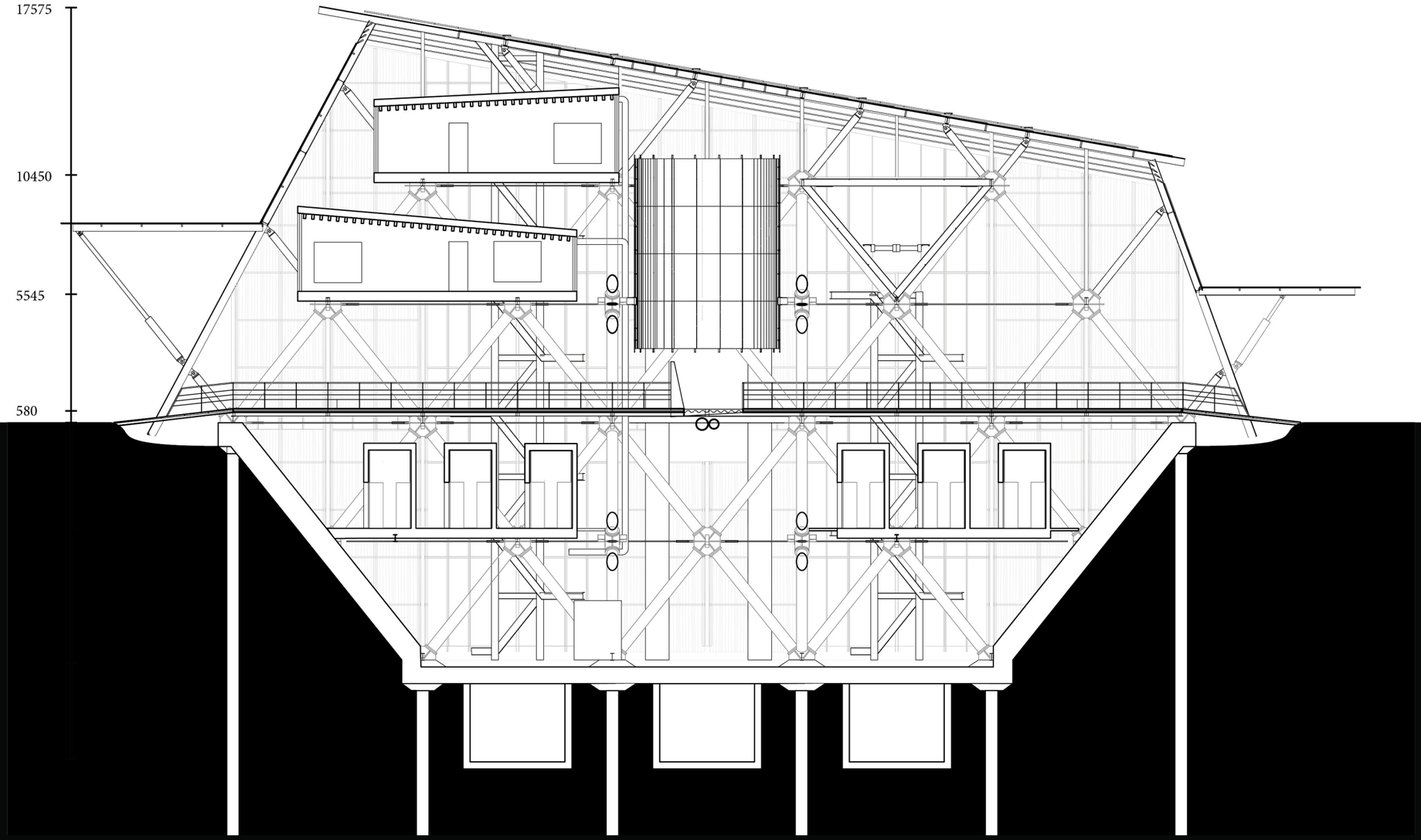


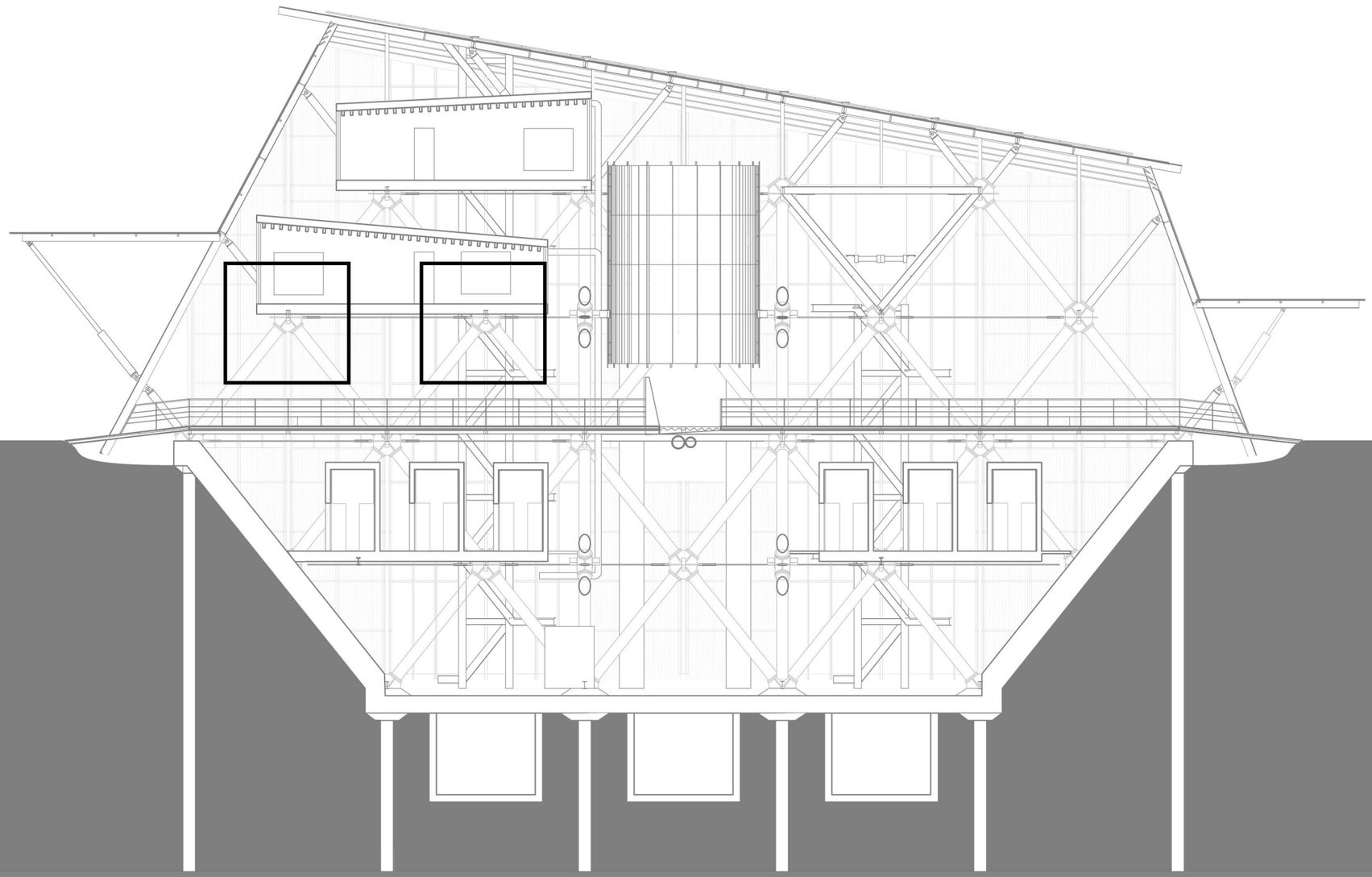
Screen



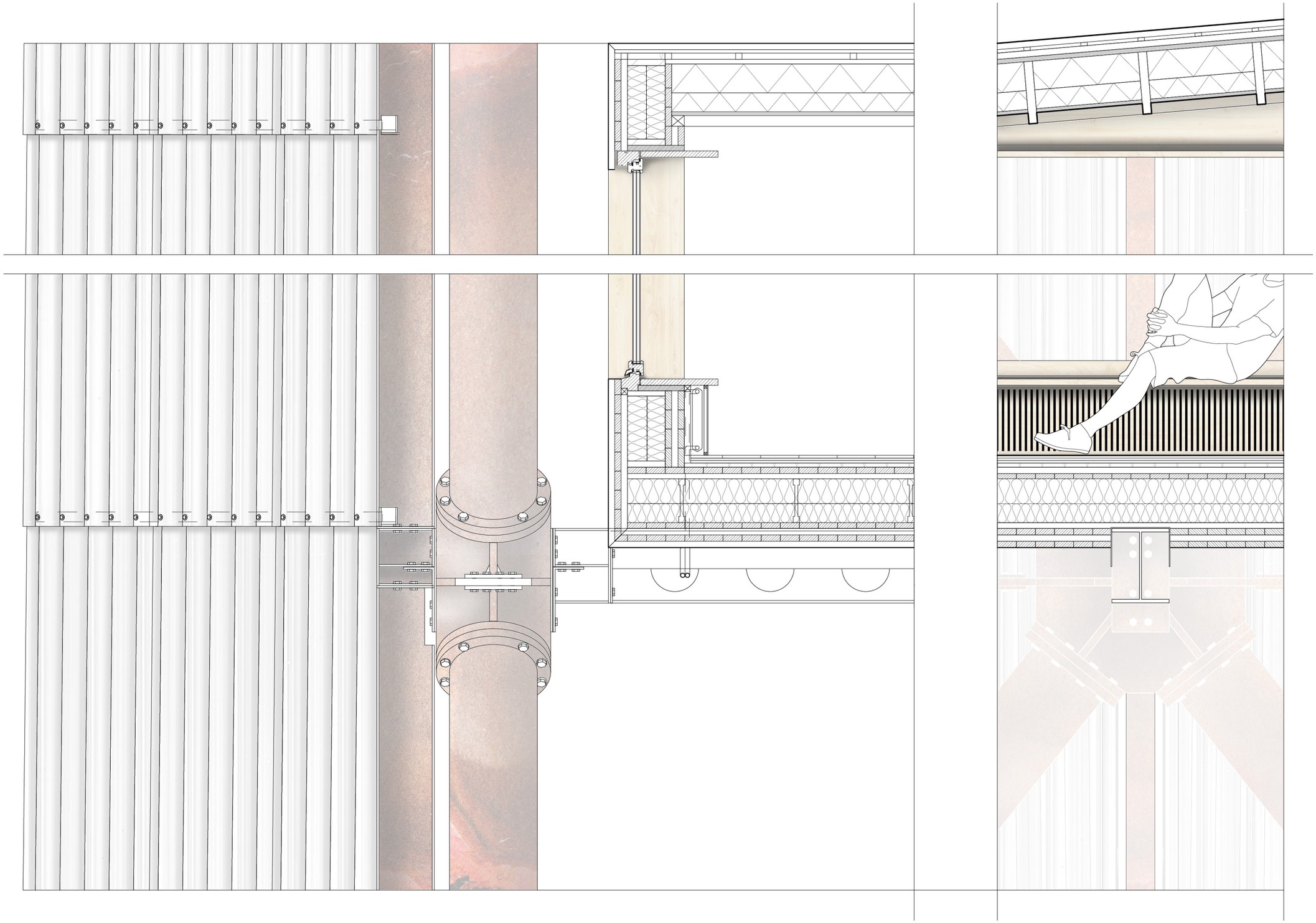
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Components

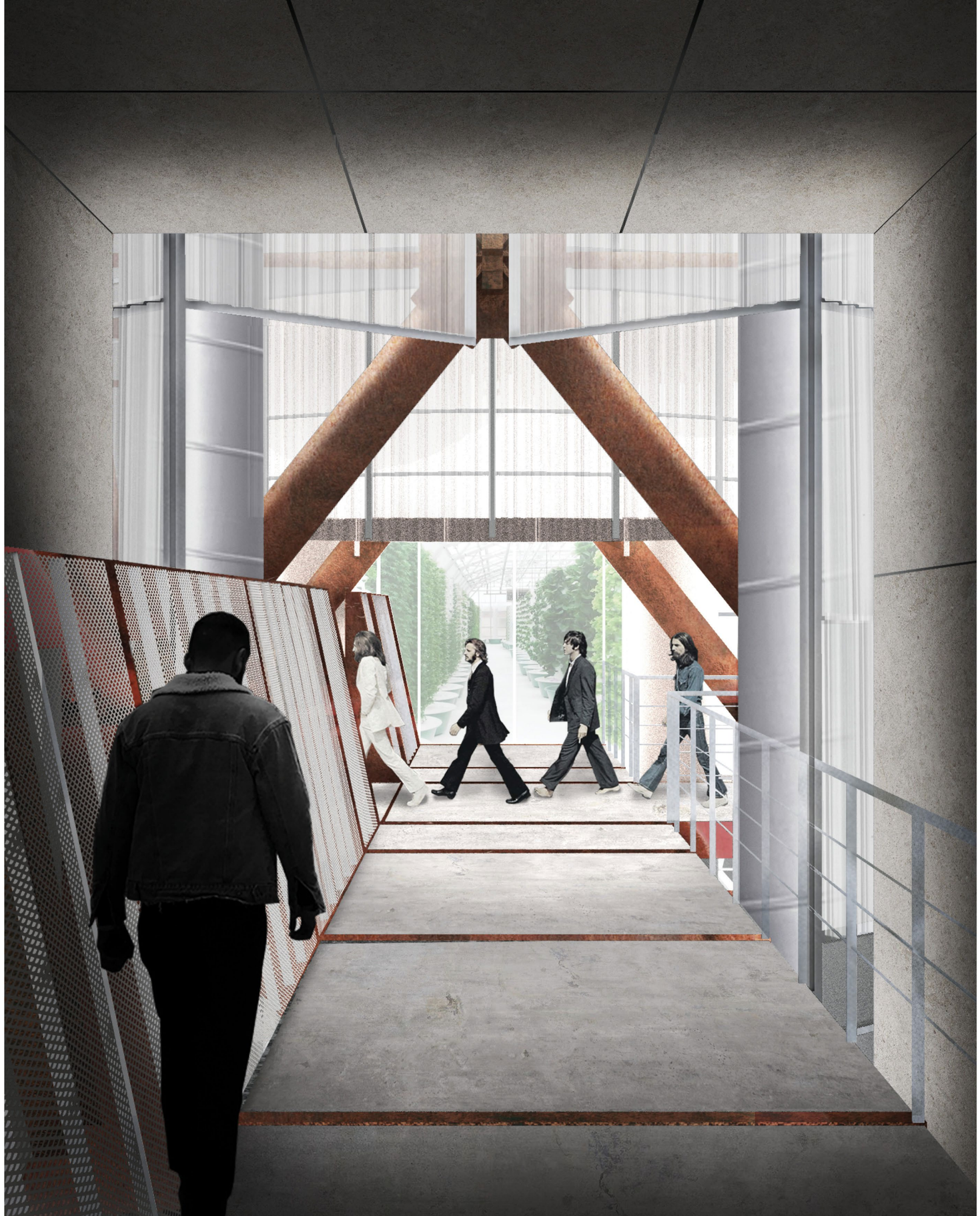


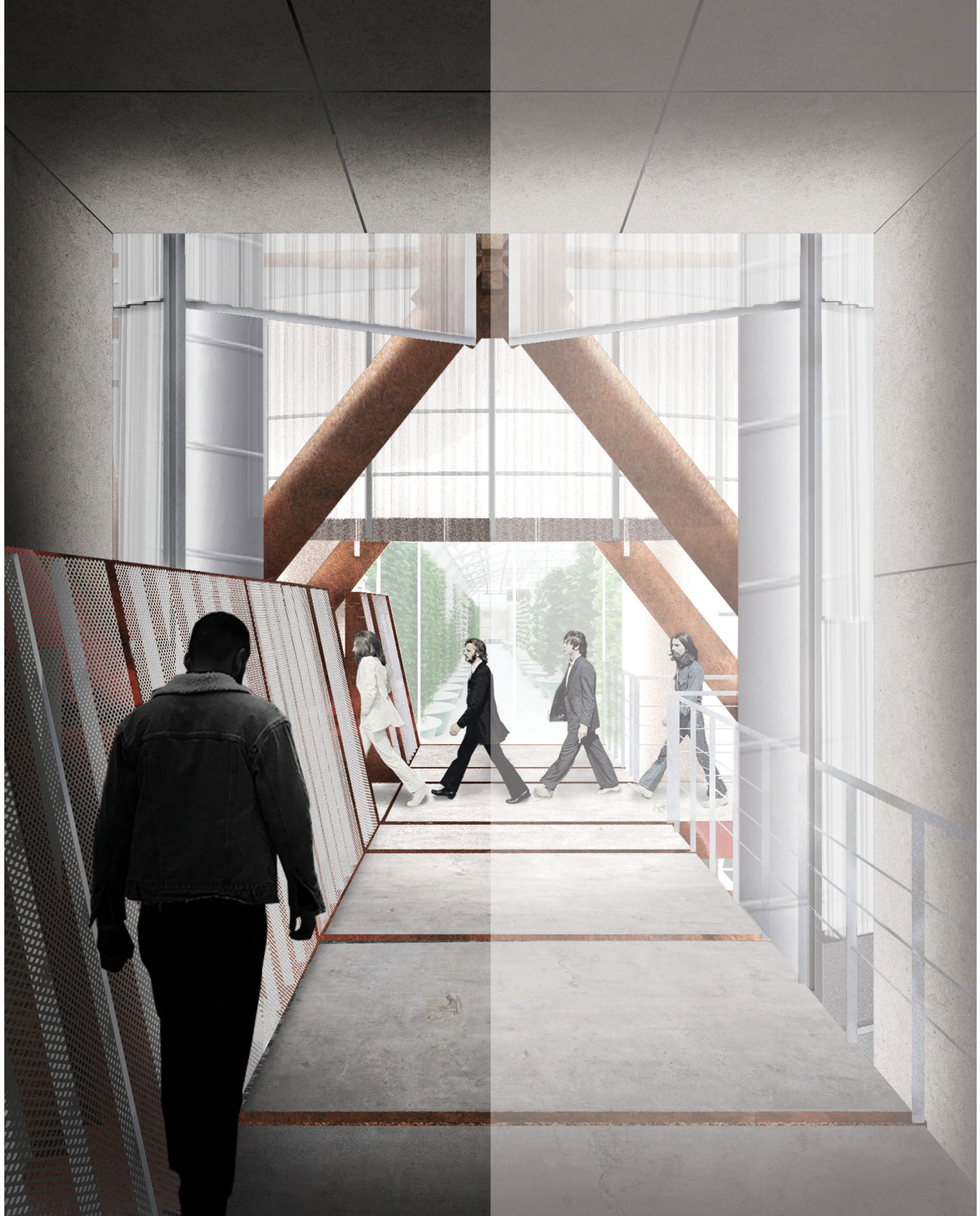


Contrast machine/ man

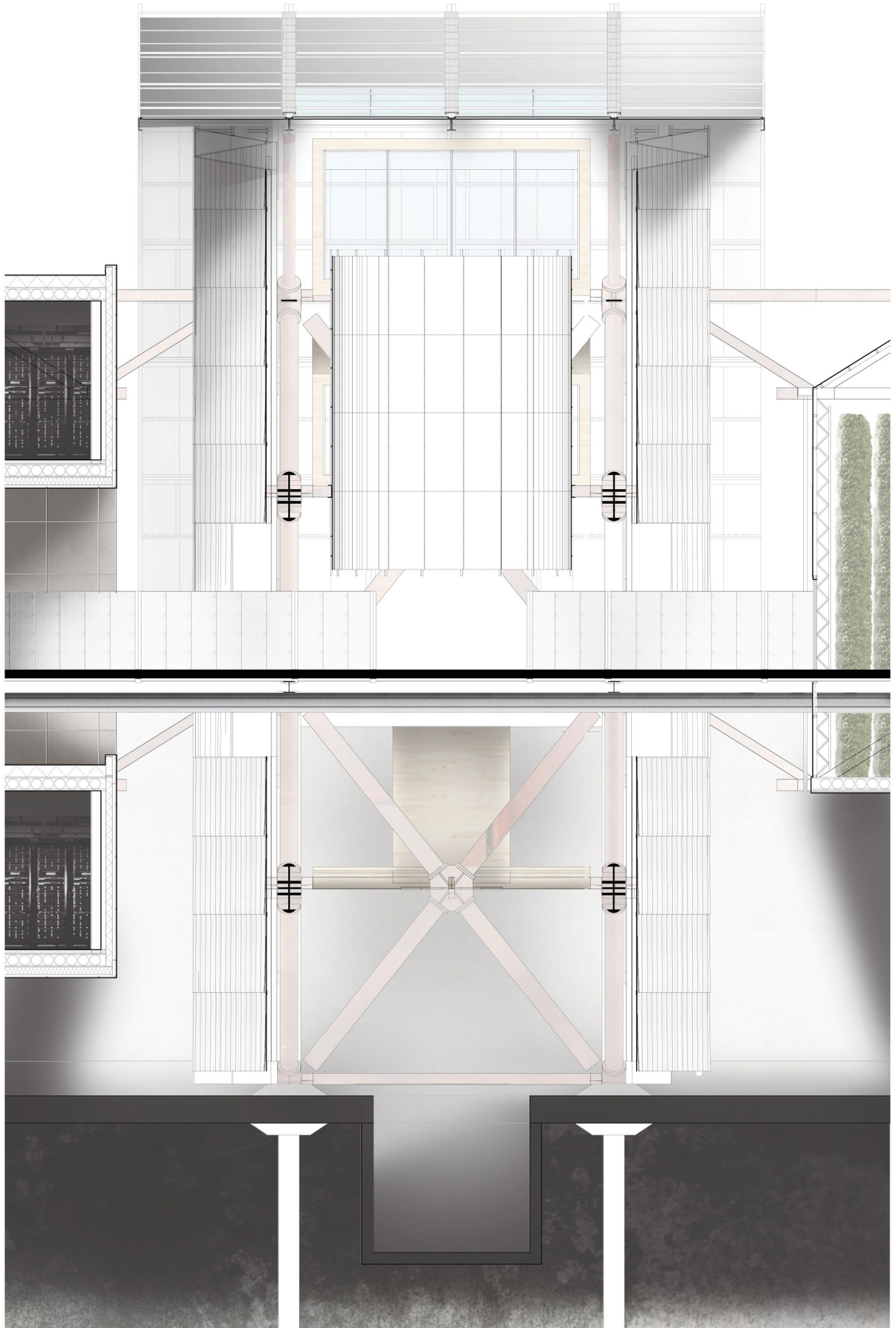


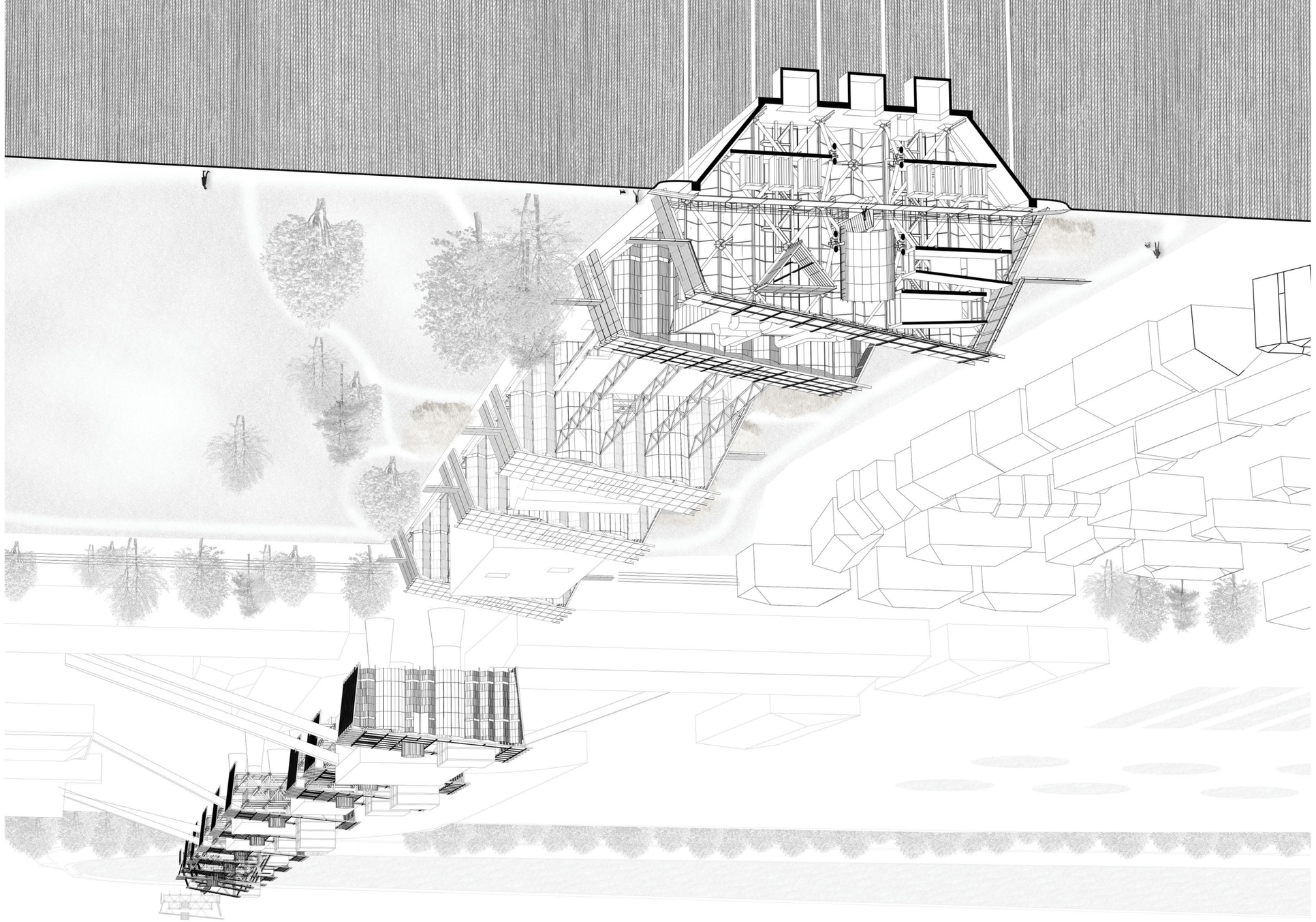
Transition



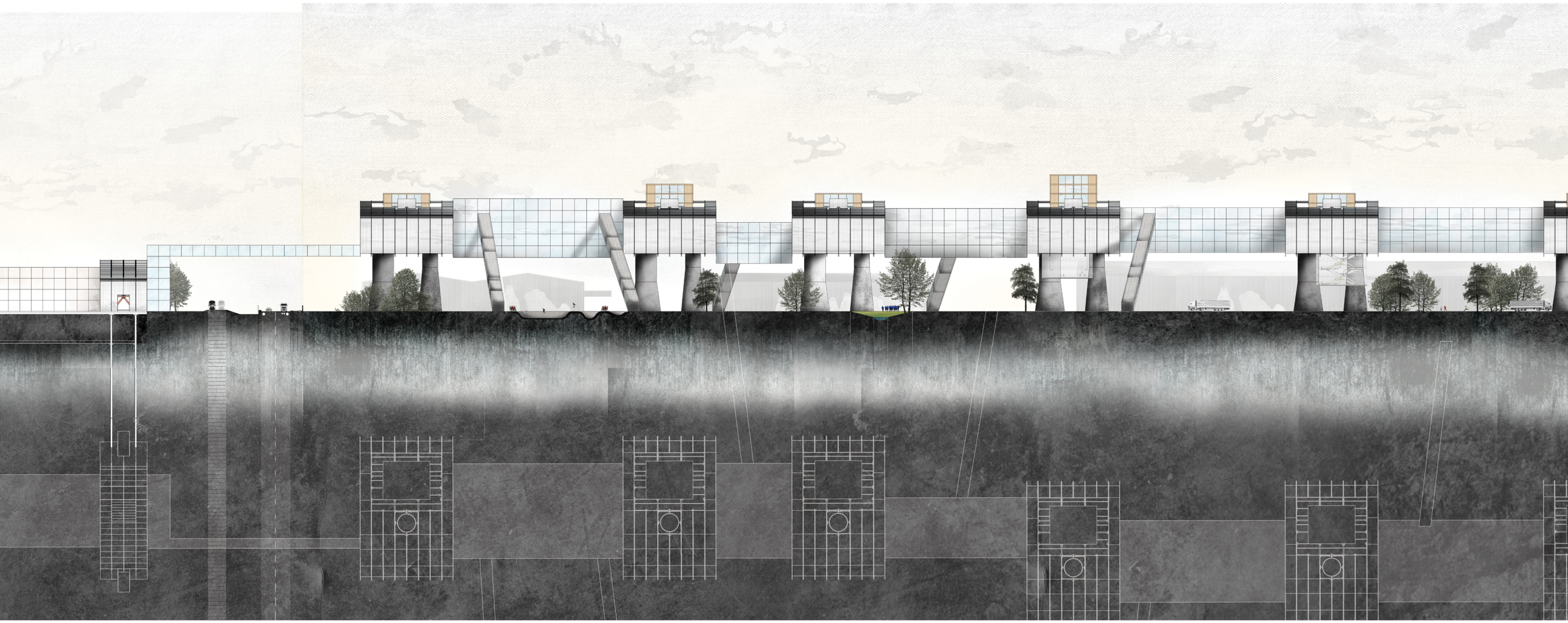


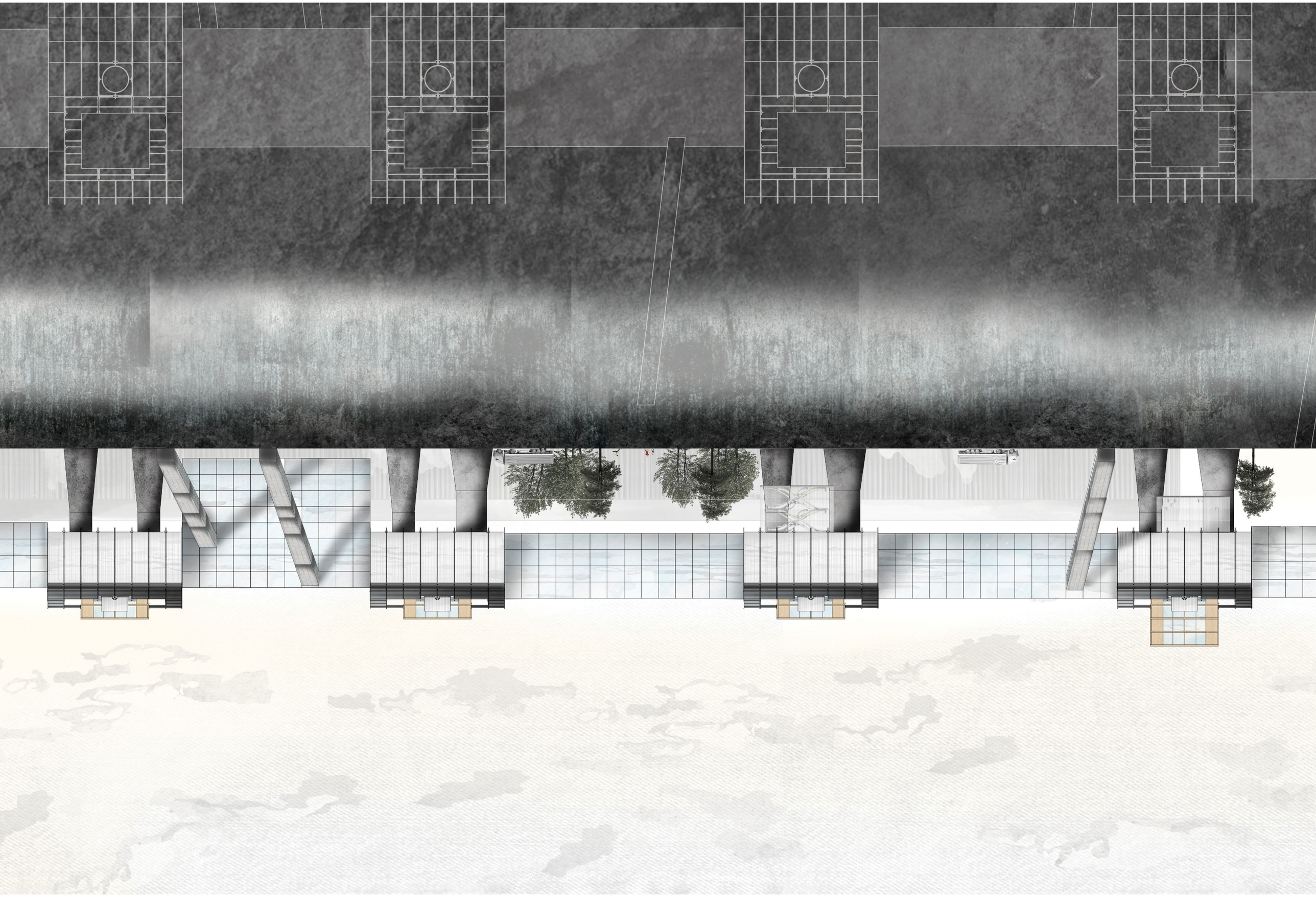
Transition detailing





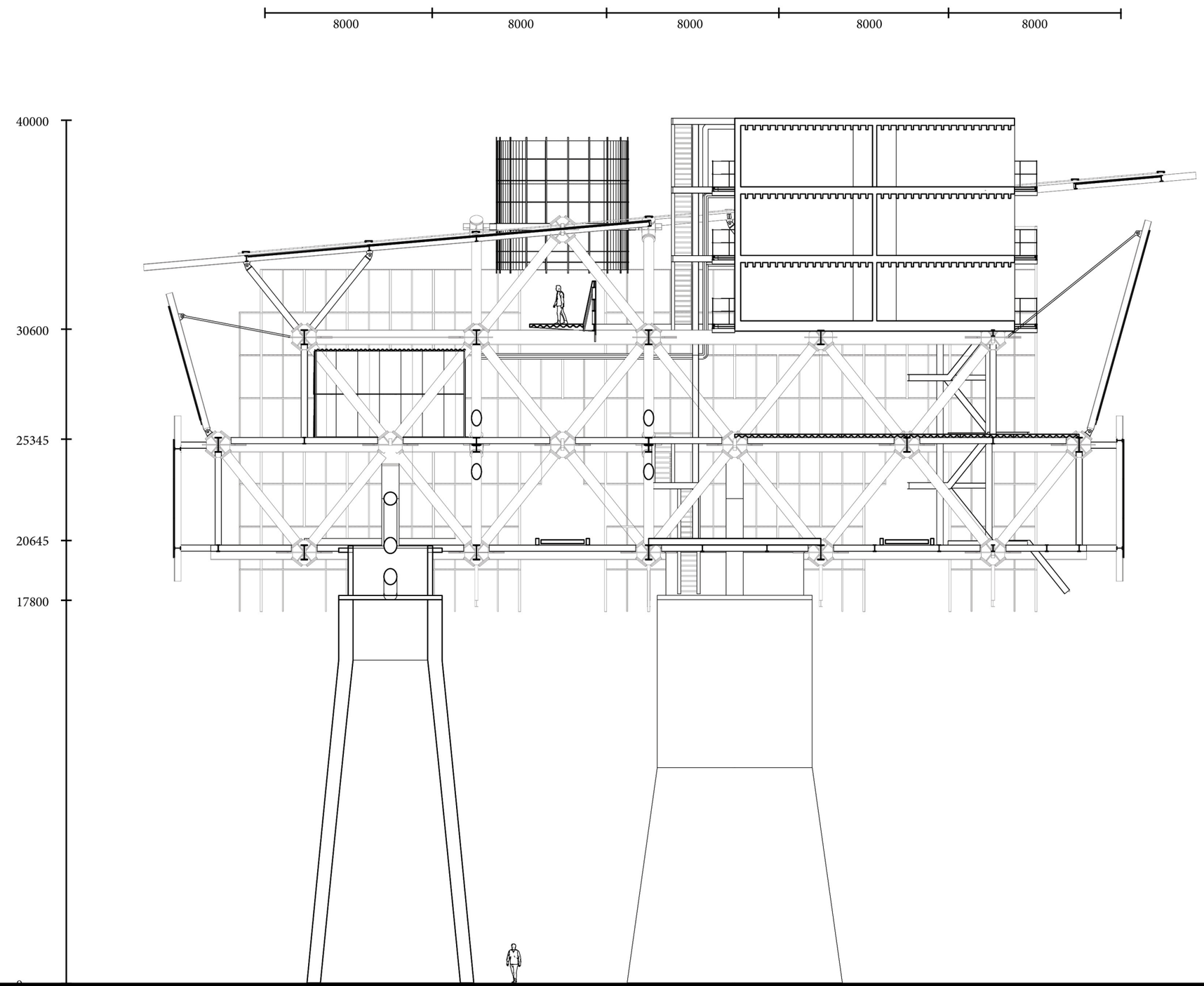
The first barrier





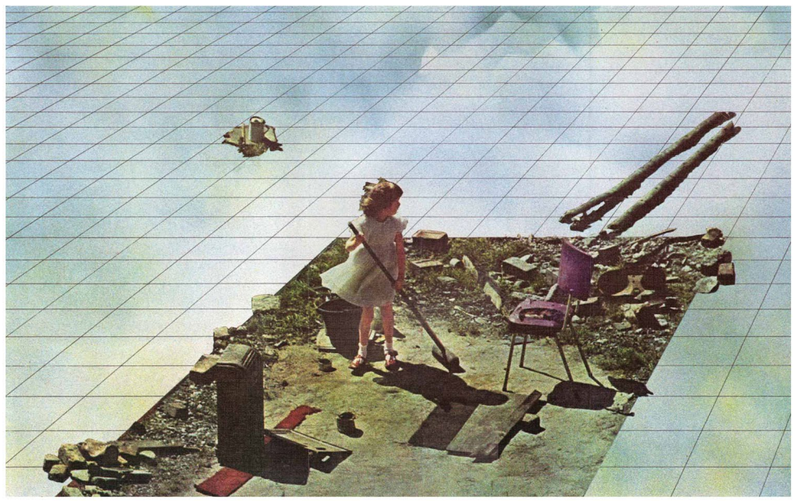
Production sector Gate



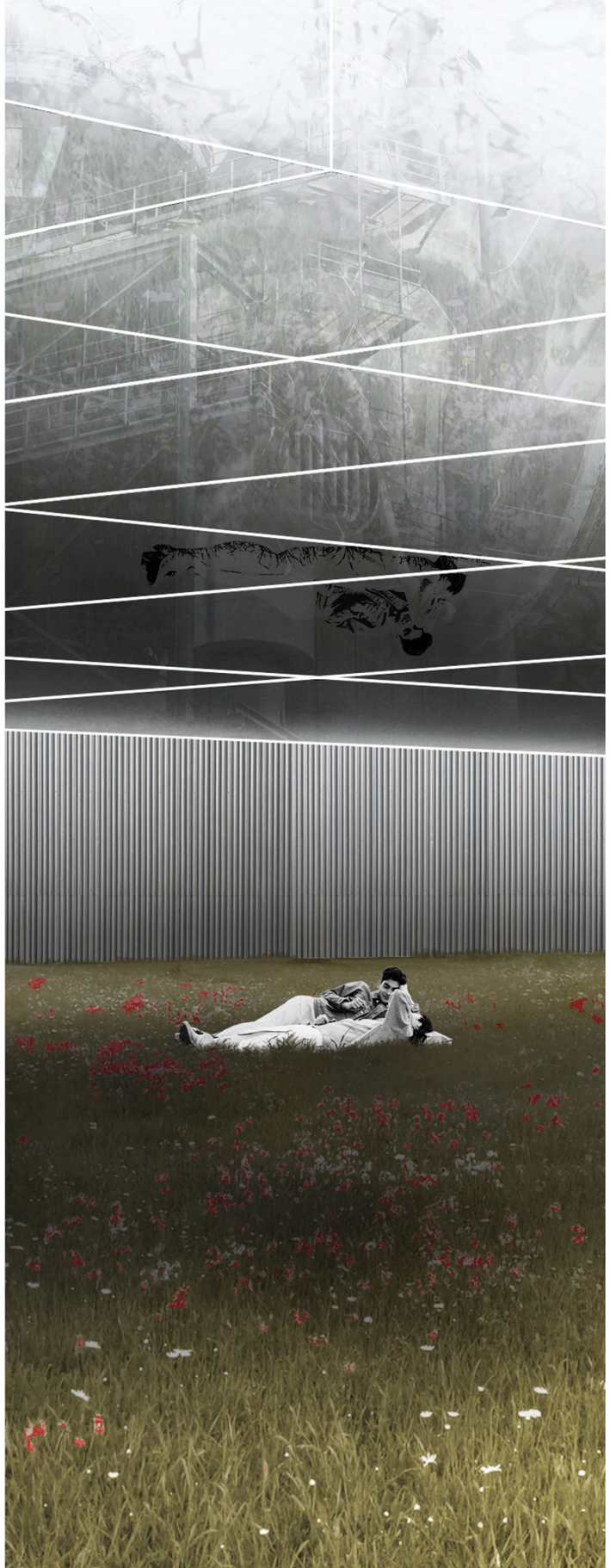




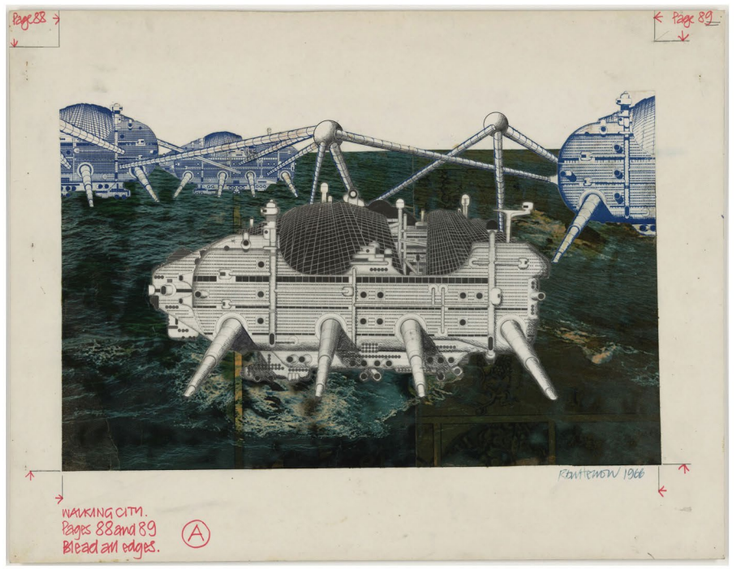
Underneath the structure



Superstudio - Universal Grid



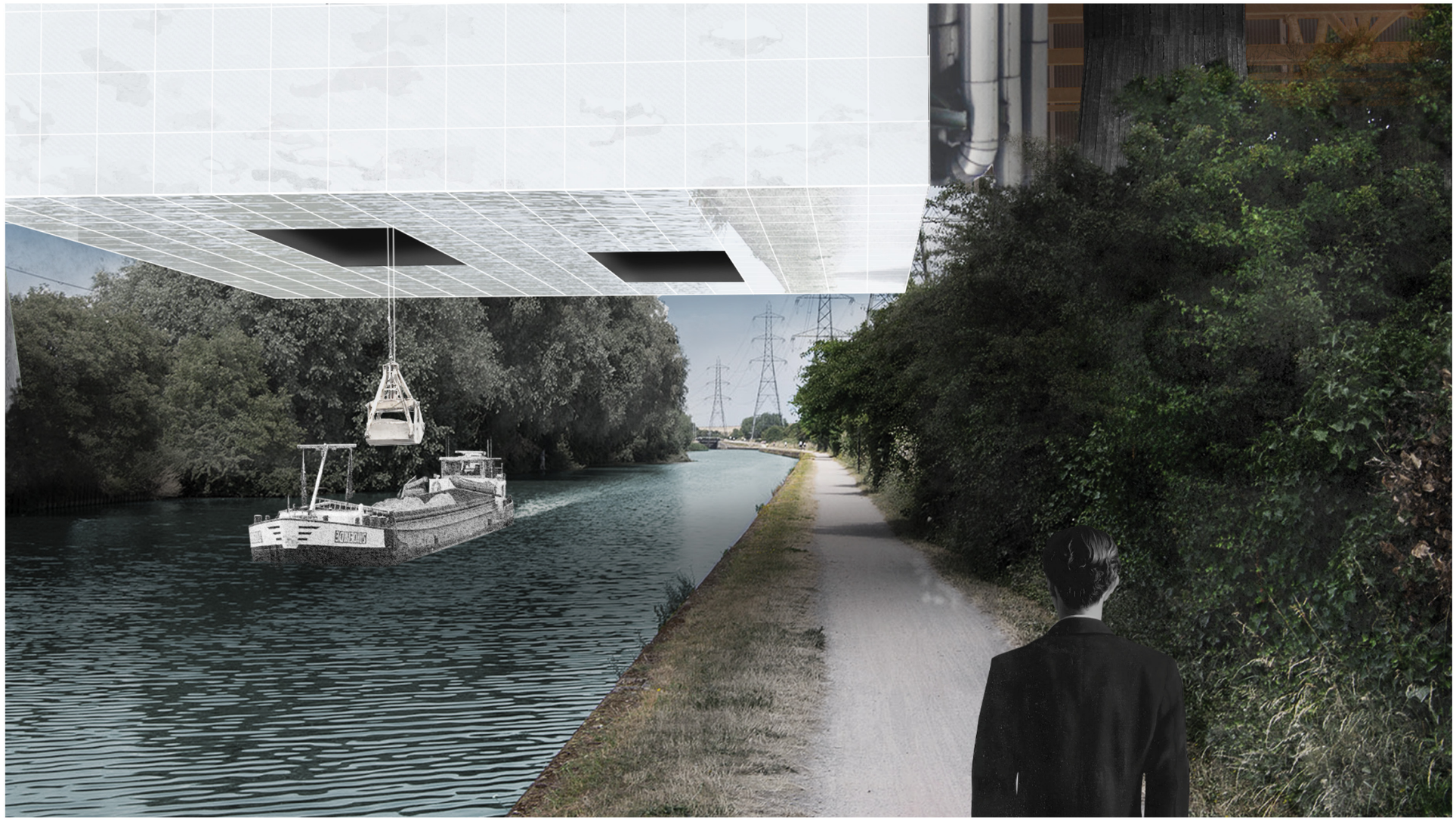
The walking city



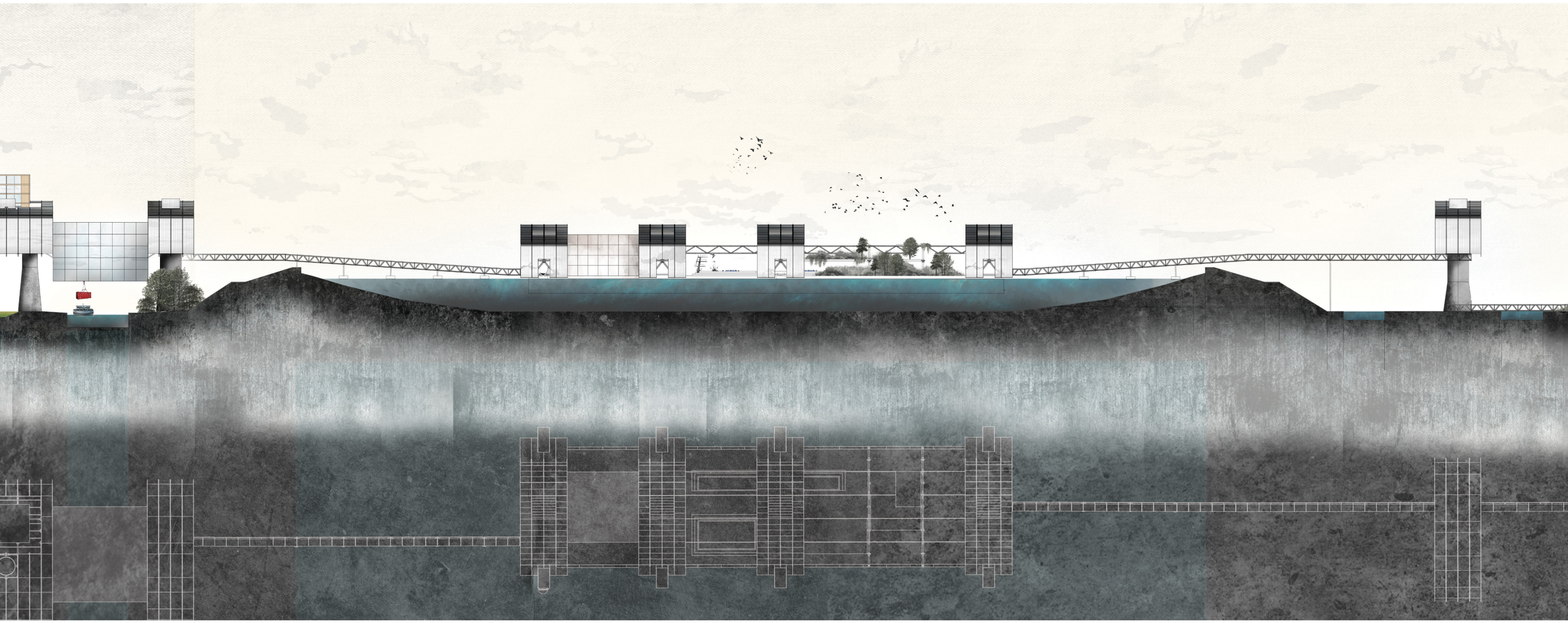
Archizoom- Walking city



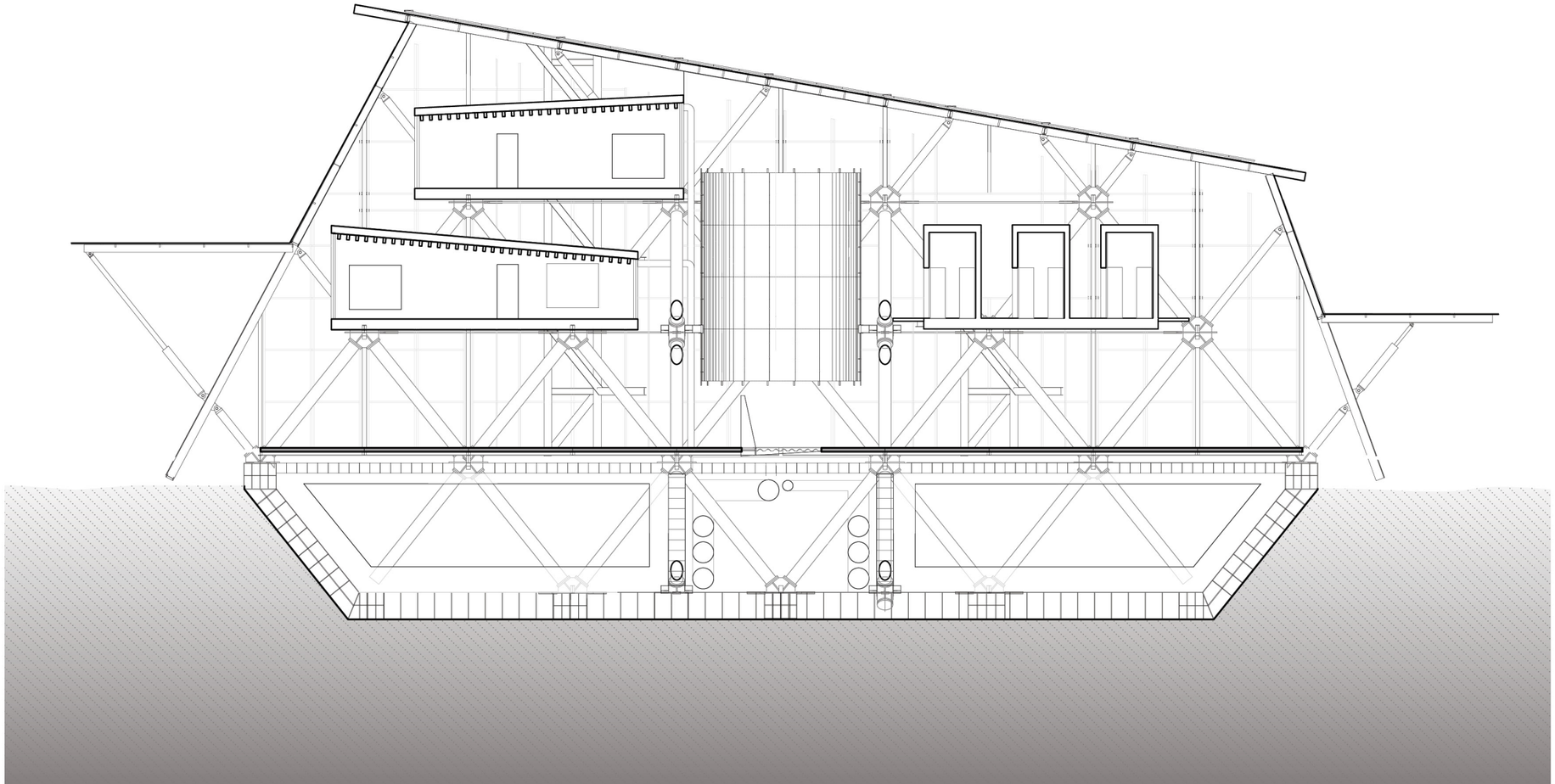
Interaction of infrastructure



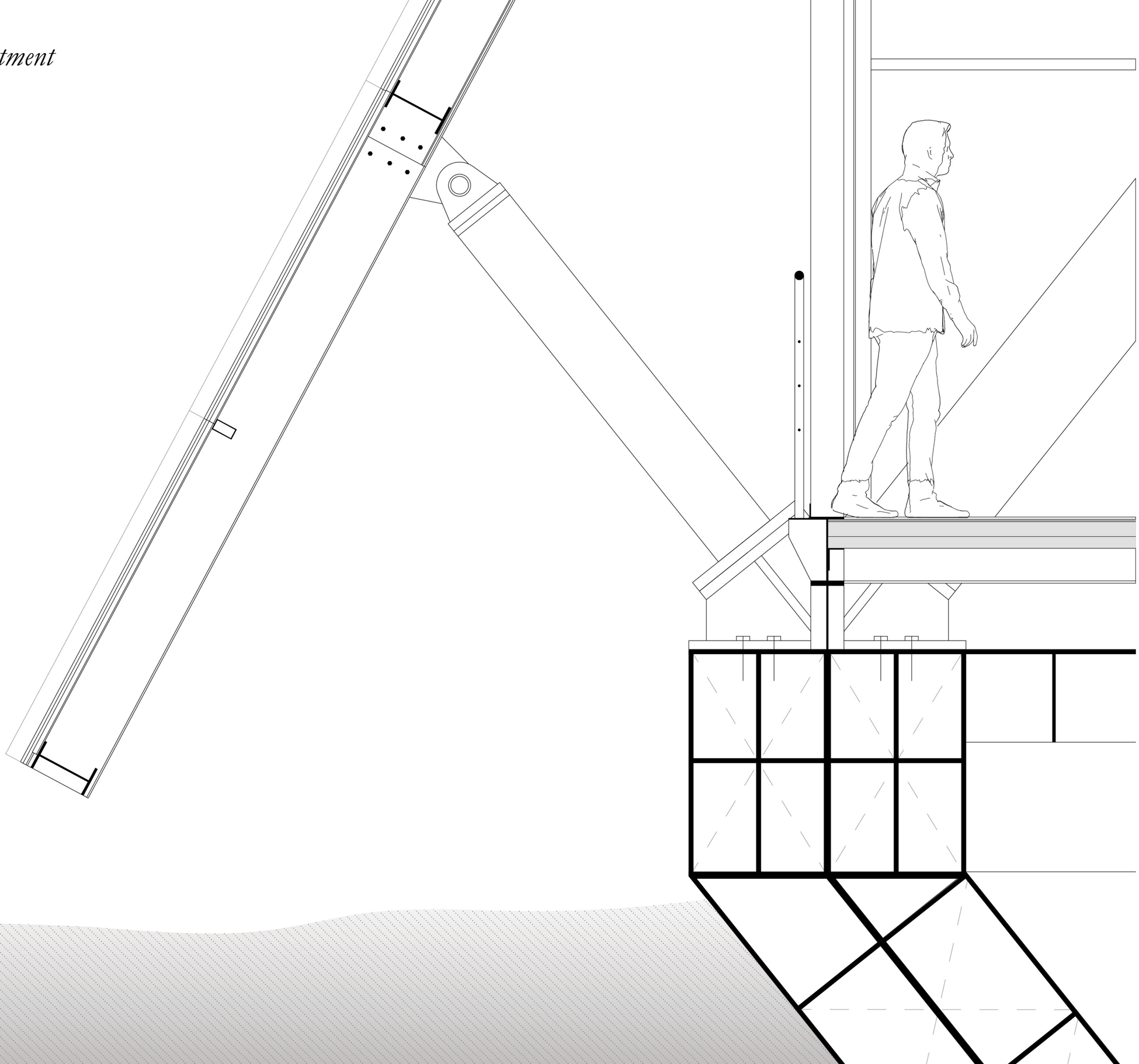
Leisure sector

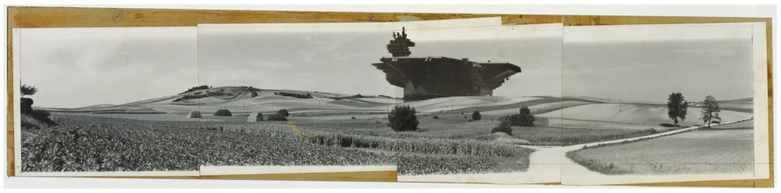


Section

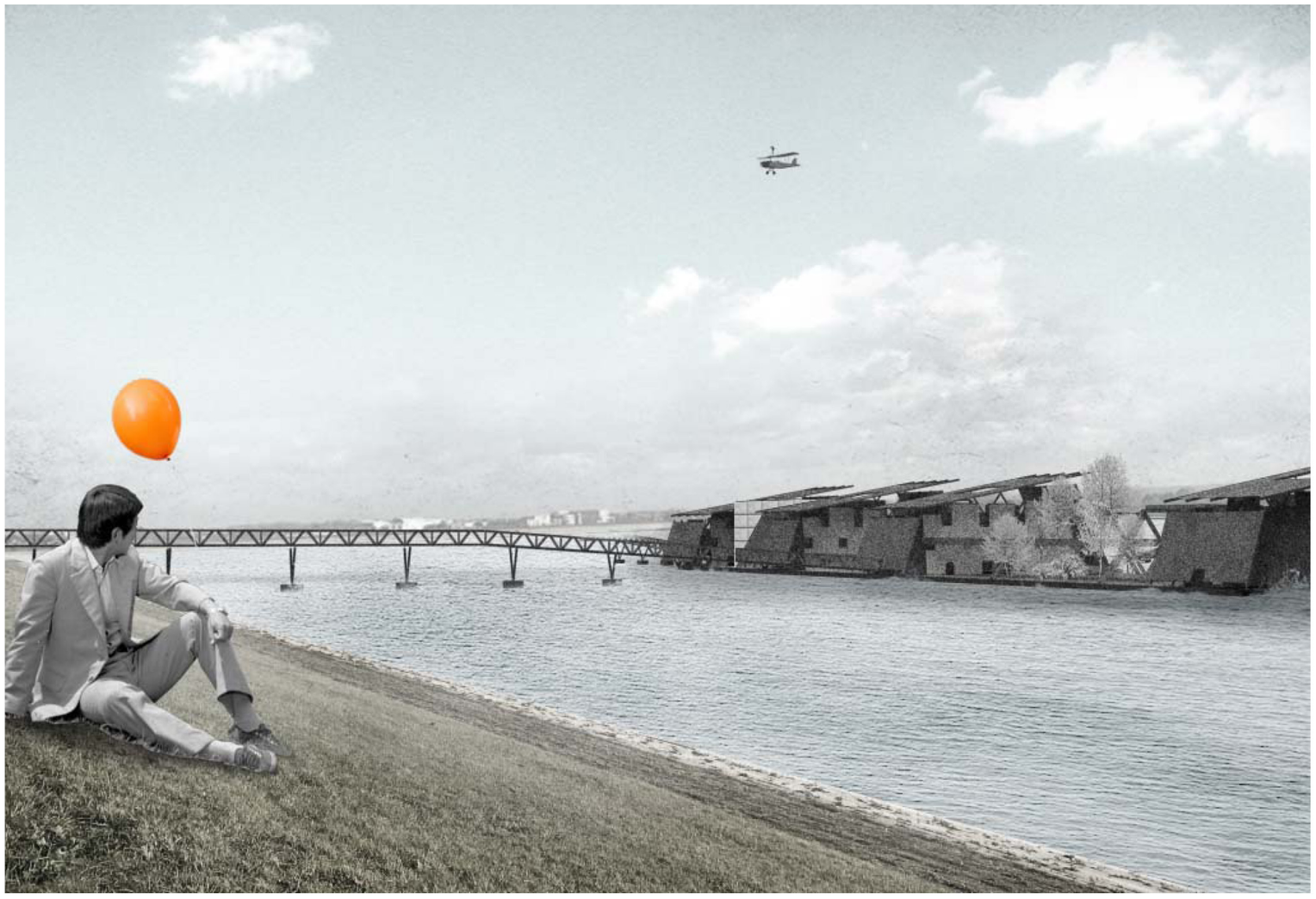


Replicating fragment adjustment

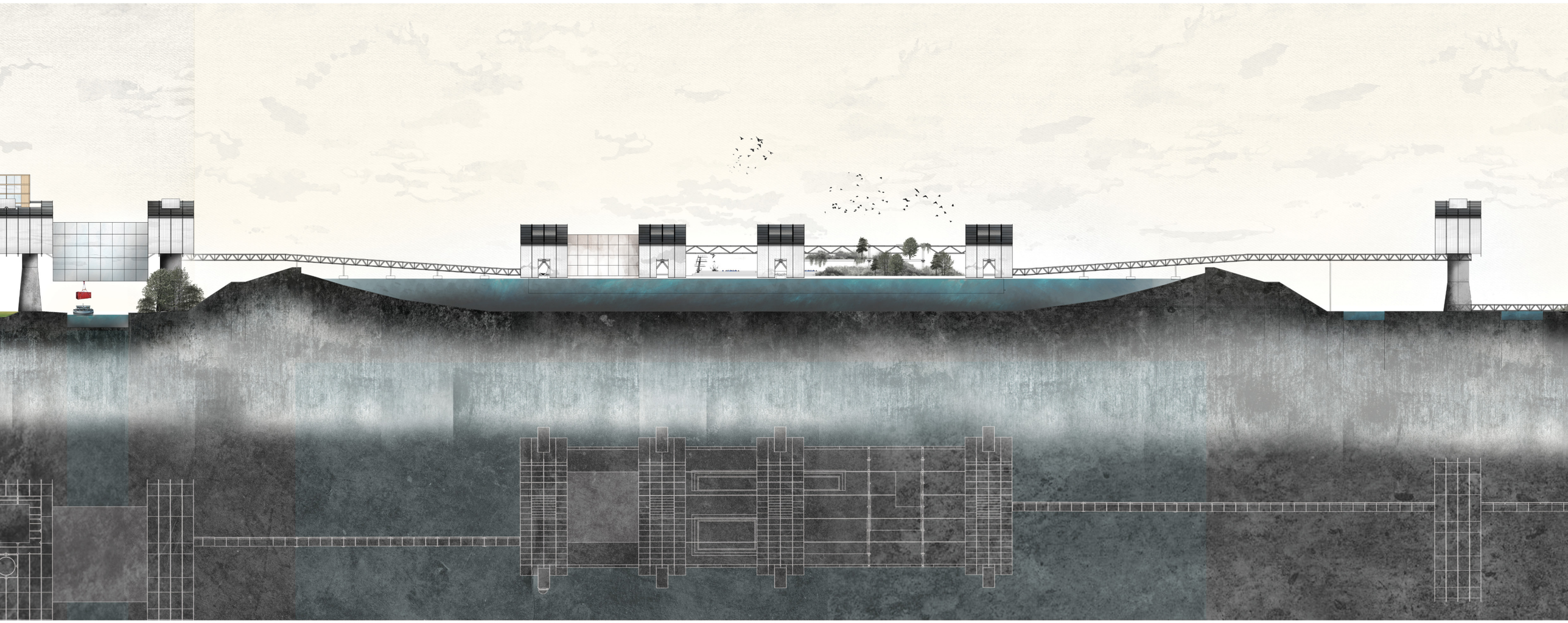


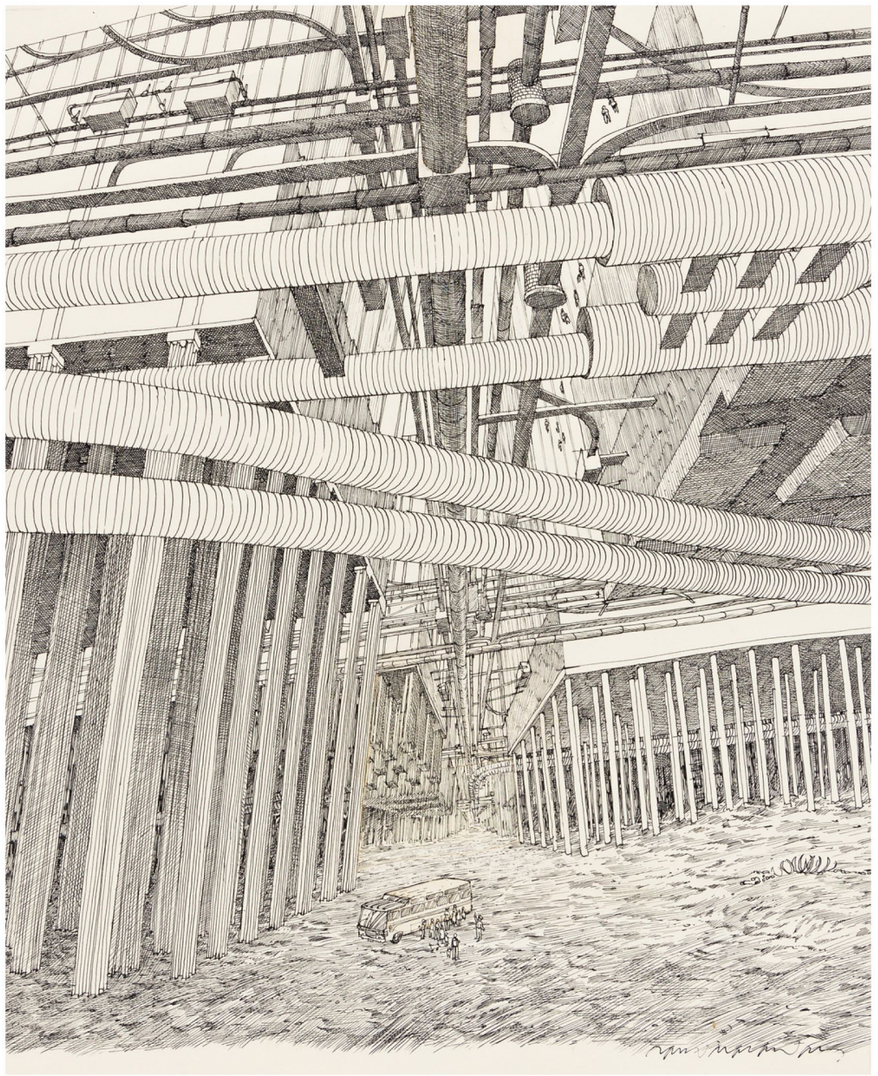


Hans Hollein - Aircraft carrier in landscape



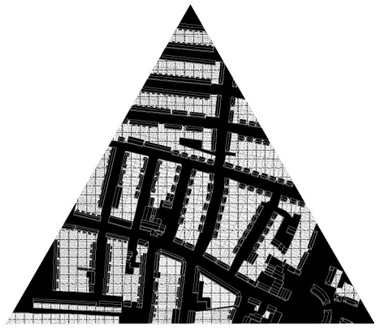
The end



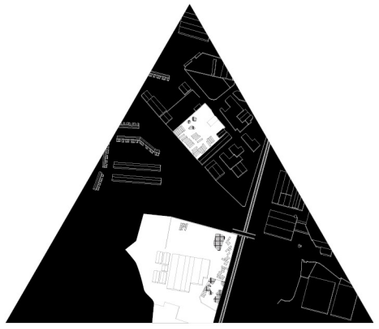


Monuments to the hidden city

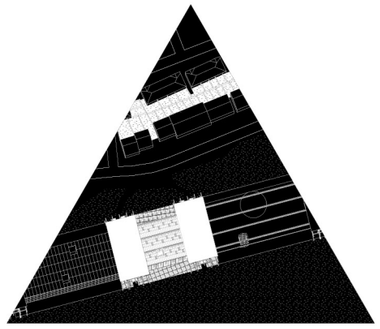
Organic Waste

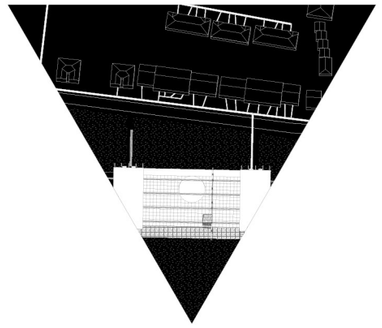


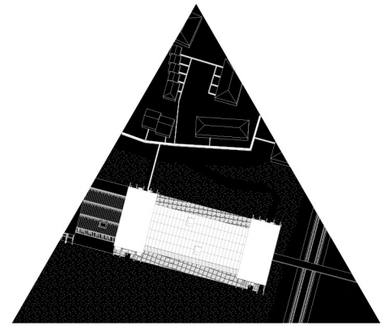
Metal recycling



Megastructure







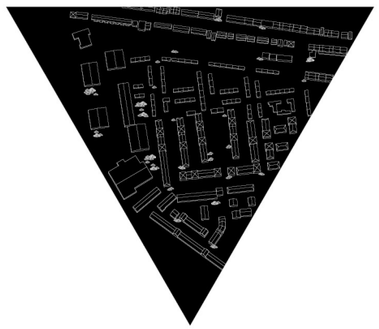
District heating



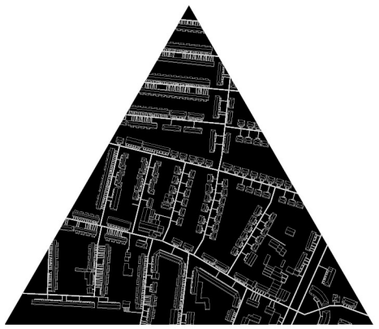
Knowhow

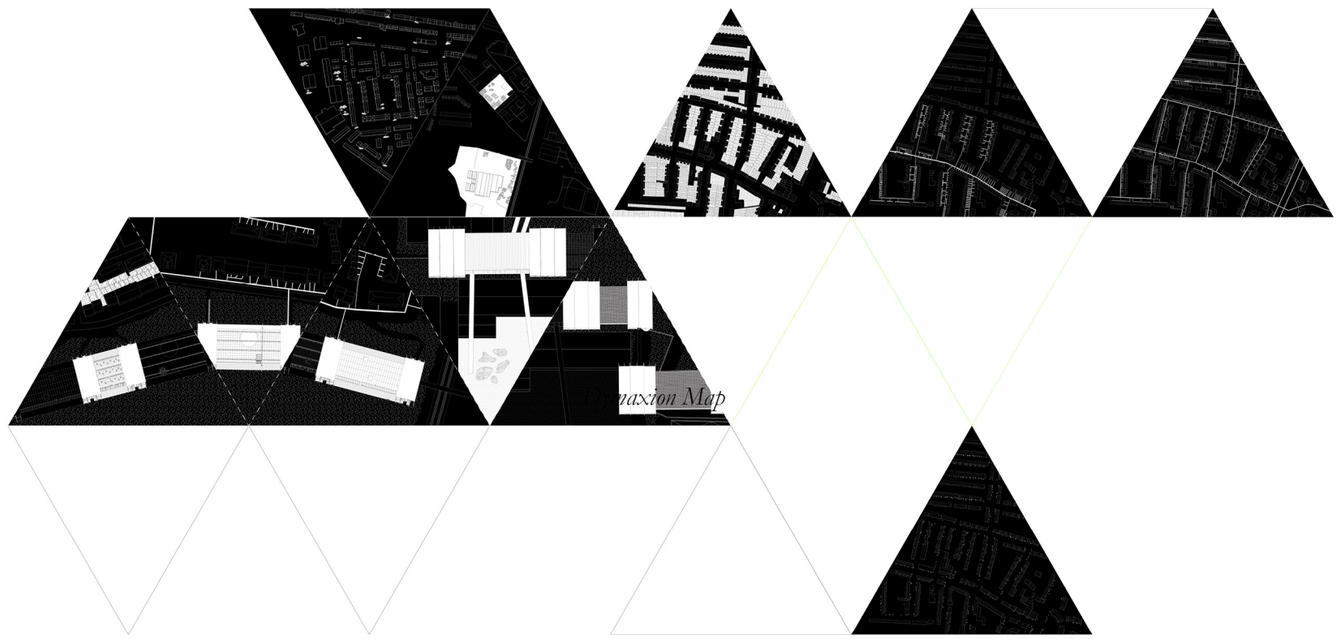


Plastic waste



Sewage waste





Connaxion Map

