

A PAUSE IN SPACE-TIME: SENSORY ASSEMBLAGE TO
EMBED URBAN CONTEMPLATION

Isle of Dogs, London

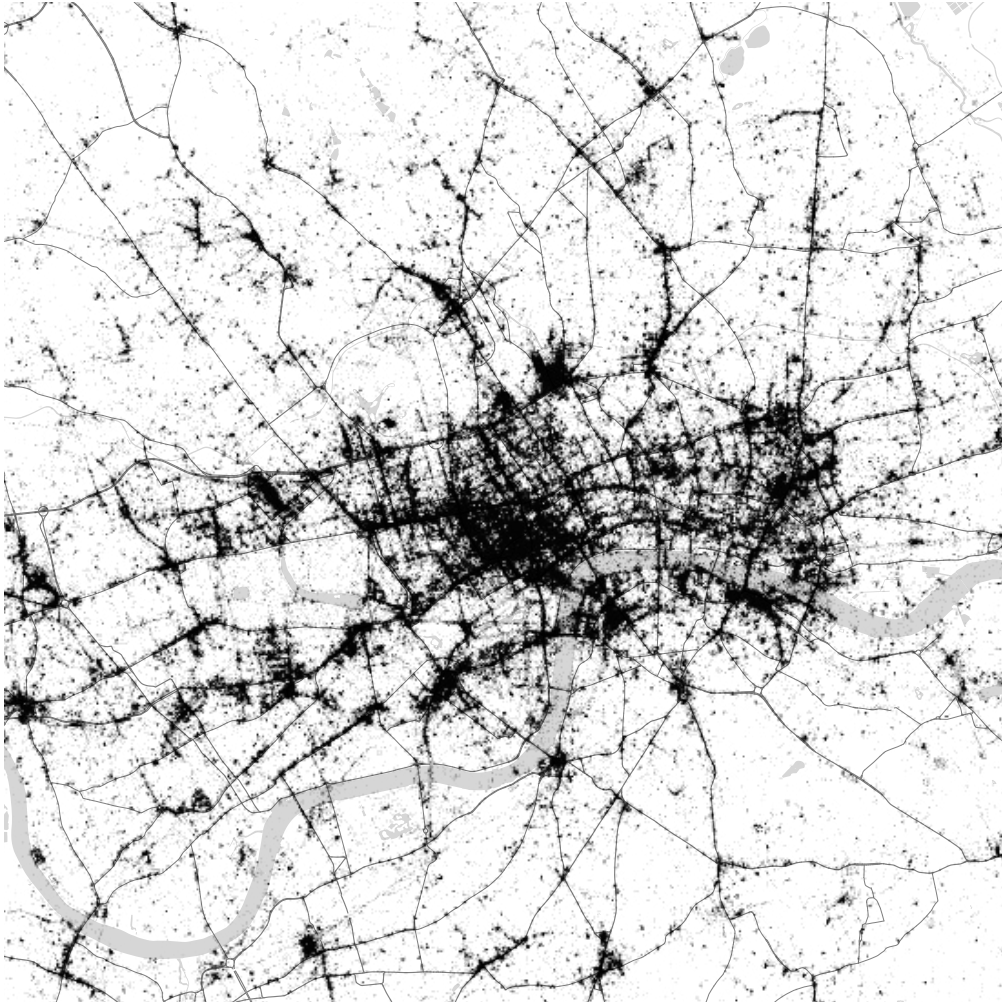
P5

Bart Kuijpers - 4828070 9th of July 2021
Architectural Design Crossovers "Heterogeneous City"

Main mentor: Alper S. Alkan
Second mentor: Freek Speksnijder
Third mentor: Roberto Cavallo
BoE: Frits van Loon



Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation

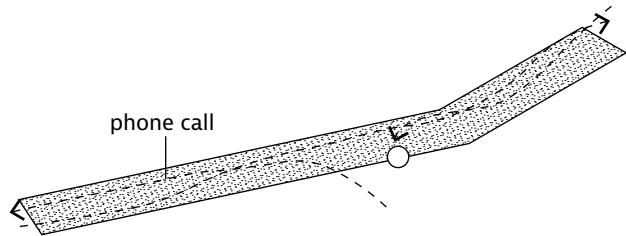
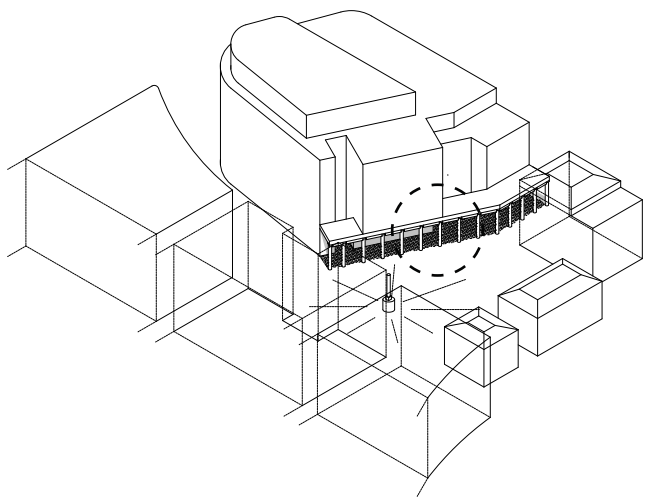
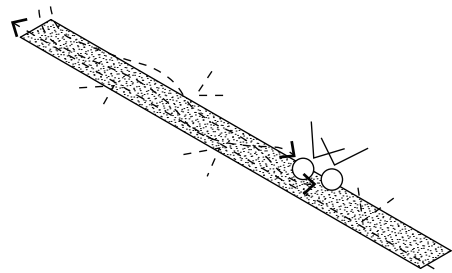
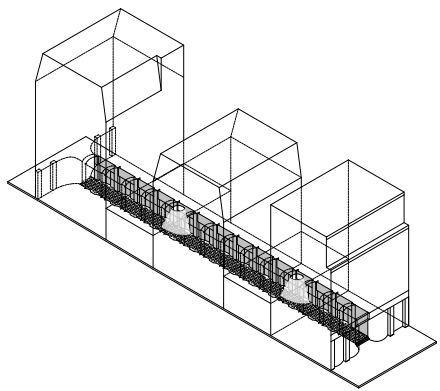
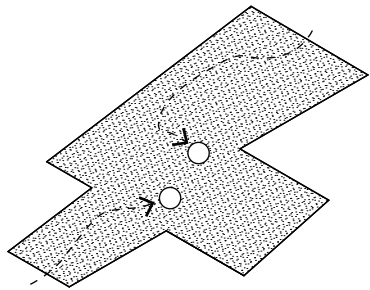
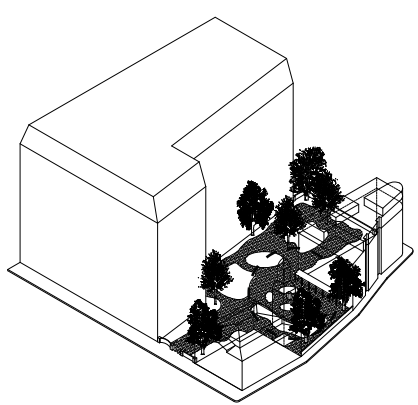


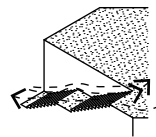
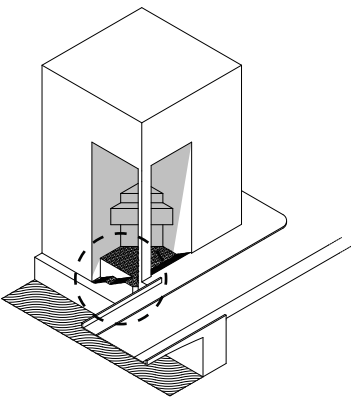
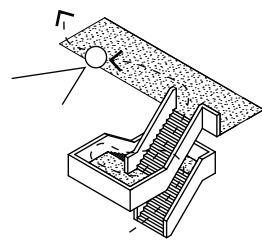
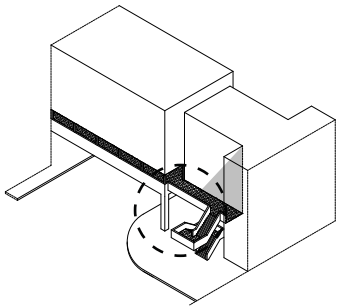
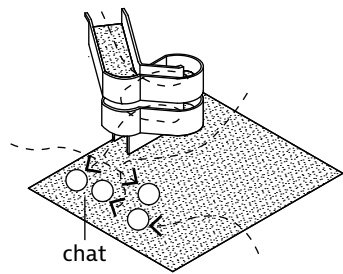
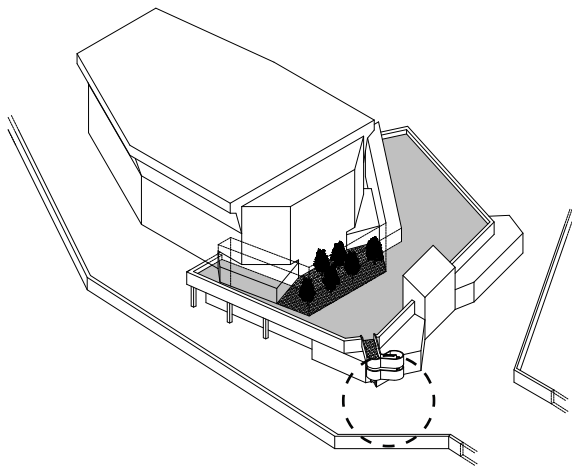
Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation

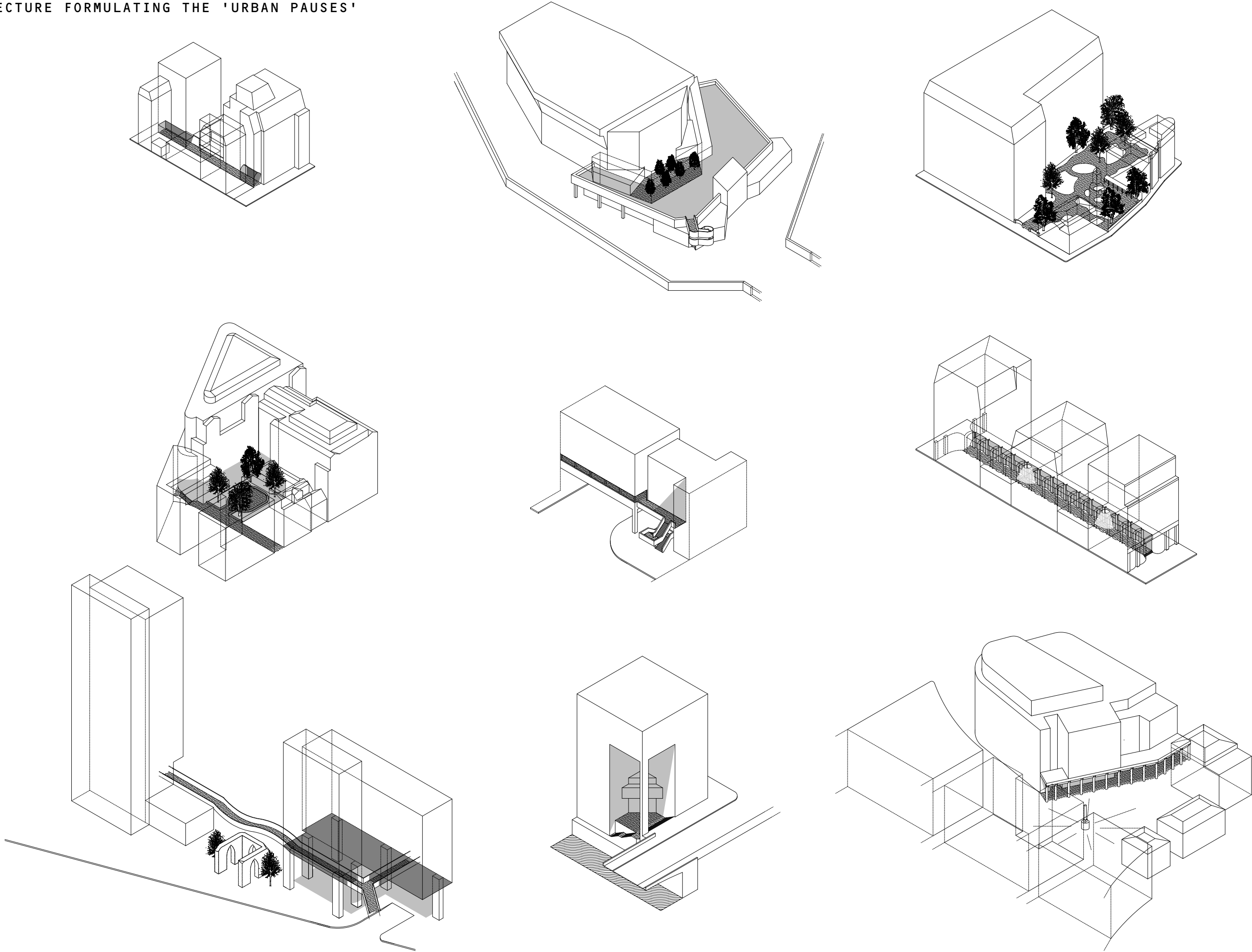
“We dwell in time as much as in space, and architecture mediates equally our relationship with this mysterious dimension, giving it its human measure.”

Pallasmaa, J. (2016) Architecture Timed: Designing with Time in Mind. John Wiley & Sons Inc. London. p. 52

Perception of time-space <-> Urban architecture

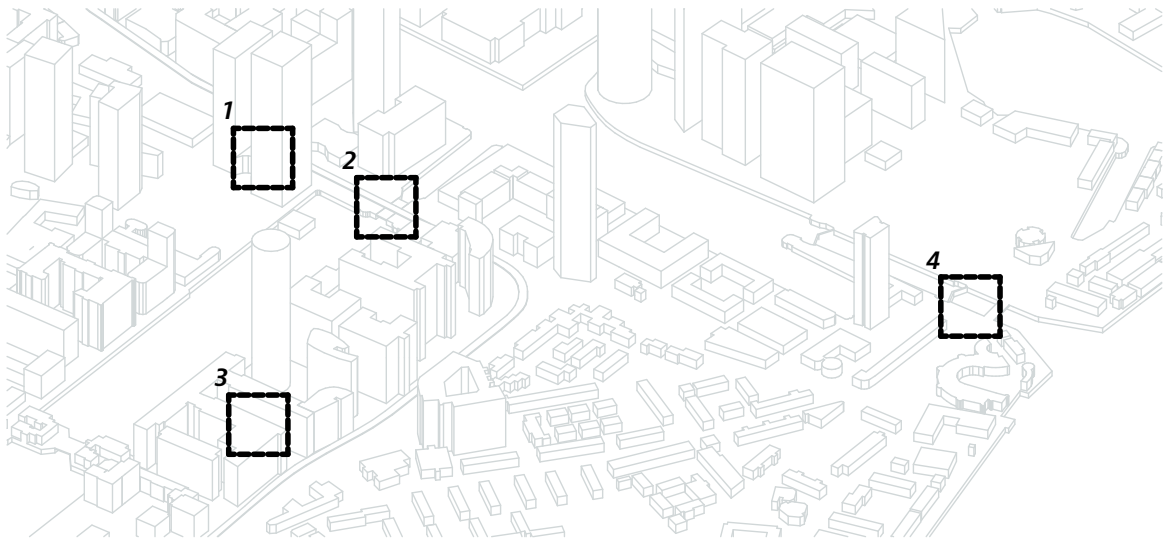




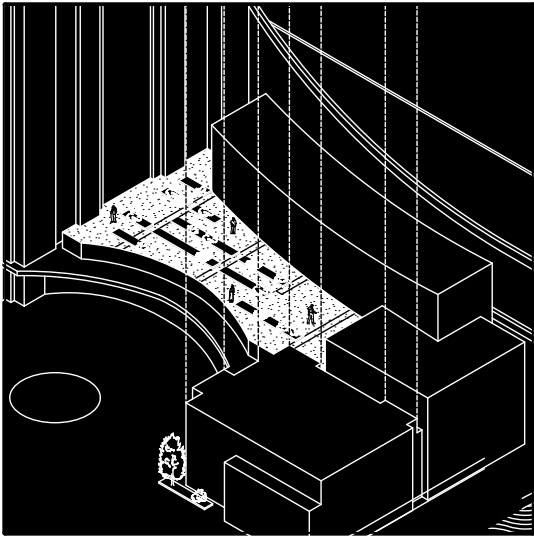


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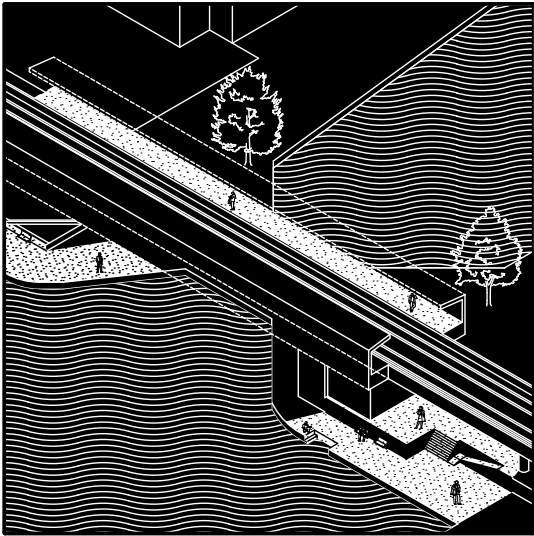
	Enclosure	Intimacy	Shelter	Darkness	Brightness	Narrowness	Raised or lowered to ground	Slope	Natural elements (greenery, water)
	☐	☐	☒	☒	☐	☐	☒	☐	☐
	☒	☒	☐	☒	☐	☐	☐	☐	☐
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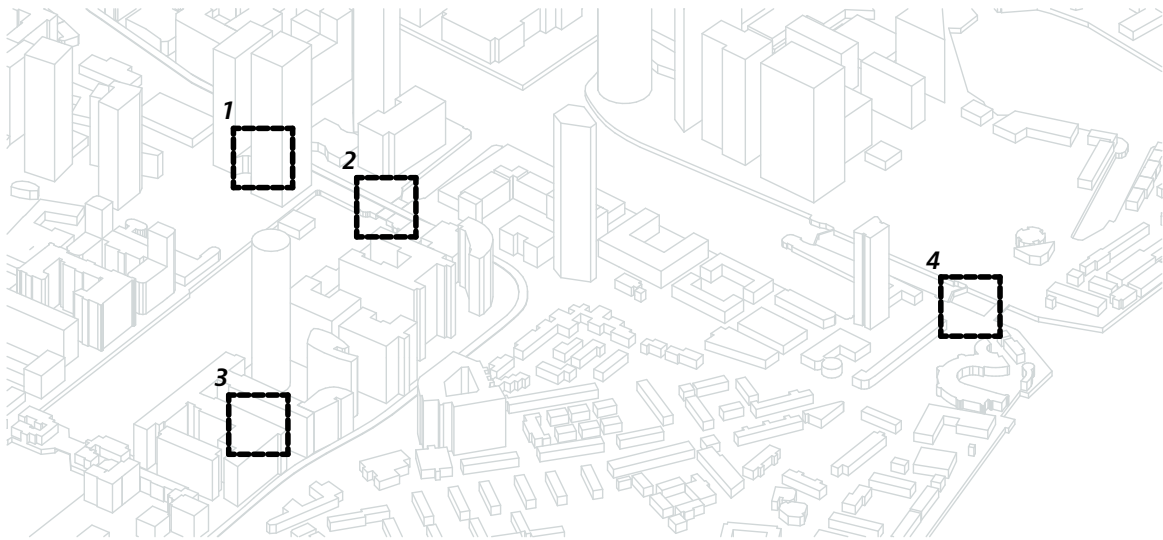


1

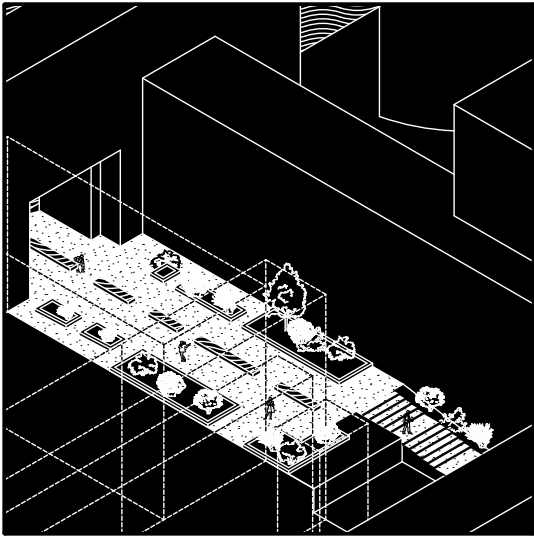


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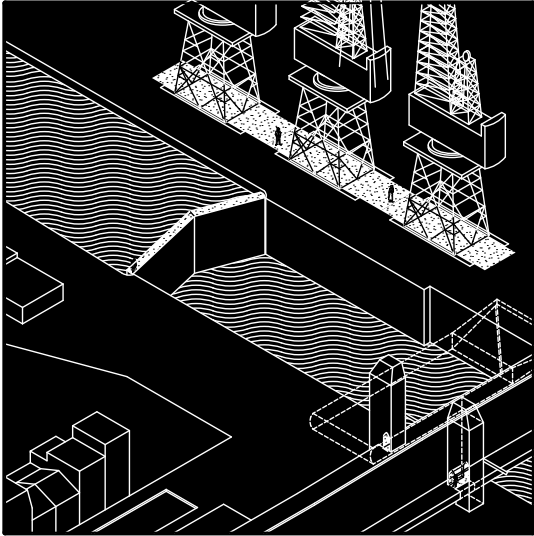




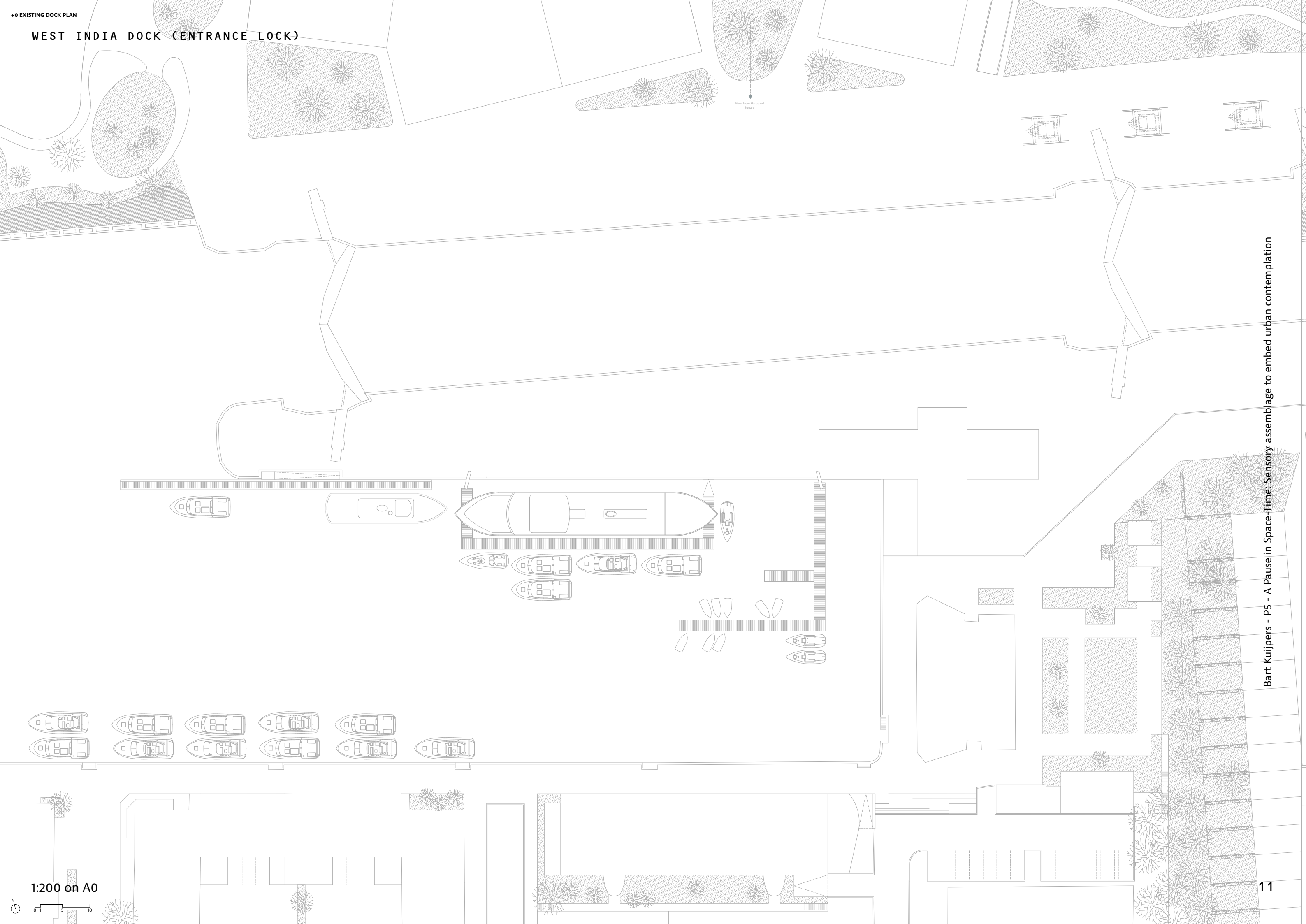
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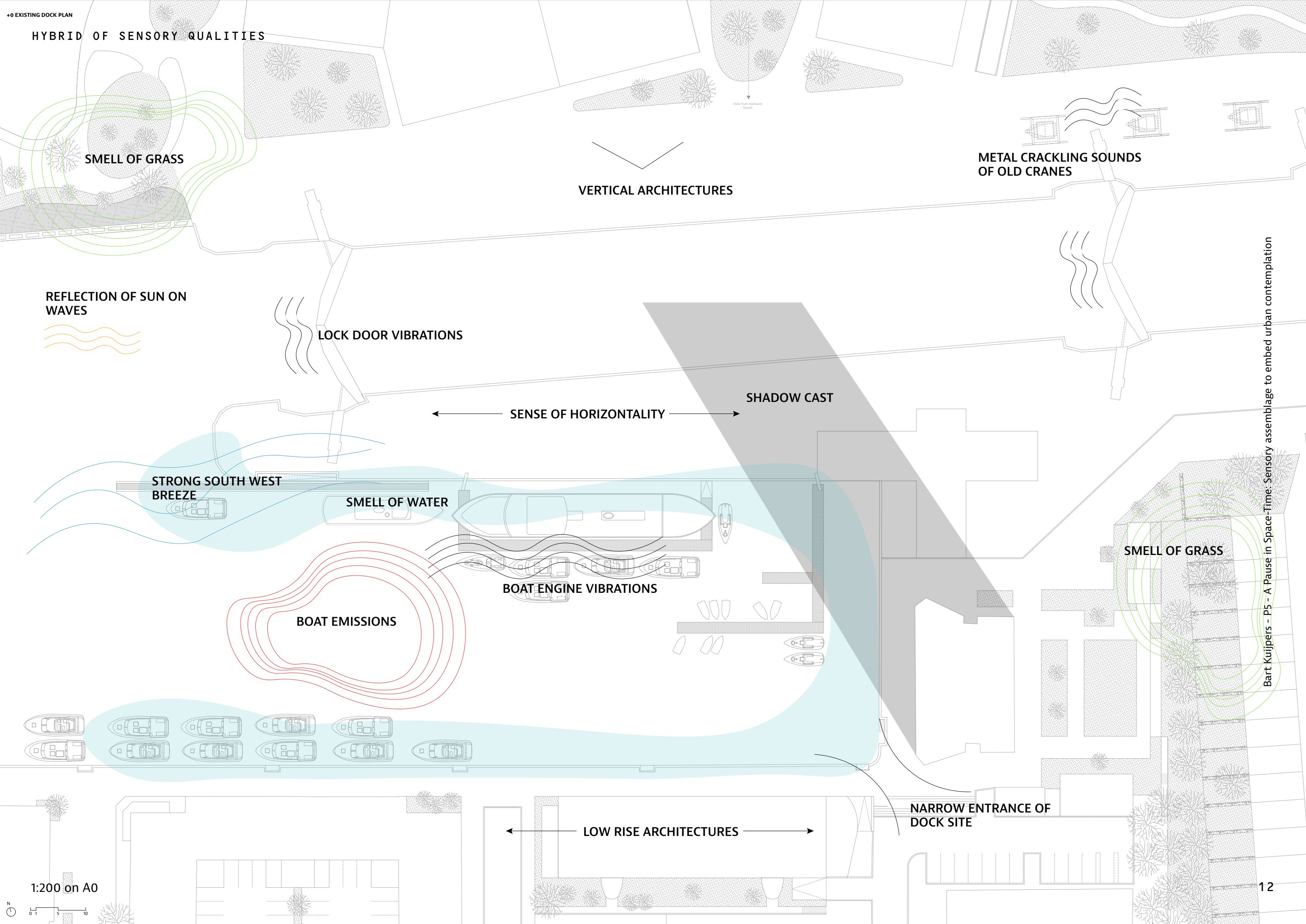
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WEST INDIA DOCK (ENTRANCE LOCK)



1:200 on A0



+0 EXISTING DOCK PLAN

HYBRID OF SENSORY QUALITIES

SMELL OF GRASS

REFLECTION OF SUN ON WAVES

LOCK DOOR VIBRATIONS

METAL CRACKLING SOUNDS OF OLD CRANES

VERTICAL ARCHITECTURES

SHADOW CAST

SENSE OF HORIZONTALITY

STRONG SOUTH WEST BREEZE

SMELL OF WATER

BOAT ENGINE VIBRATIONS

BOAT EMISSIONS

SMELL OF GRASS

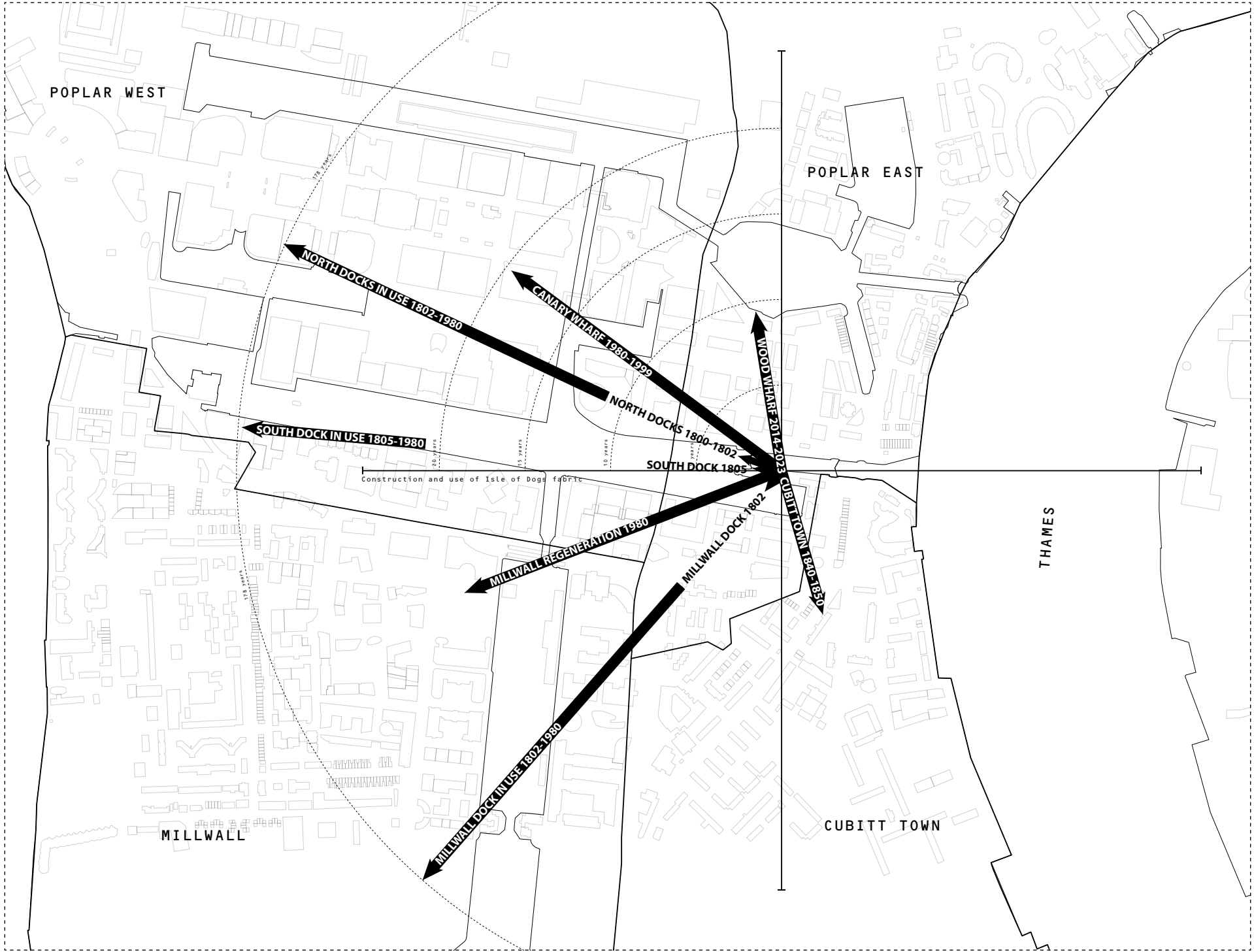
NARROW ENTRANCE OF DOCK SITE

LOW RISE ARCHITECTURES

1:200 on A0

Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation







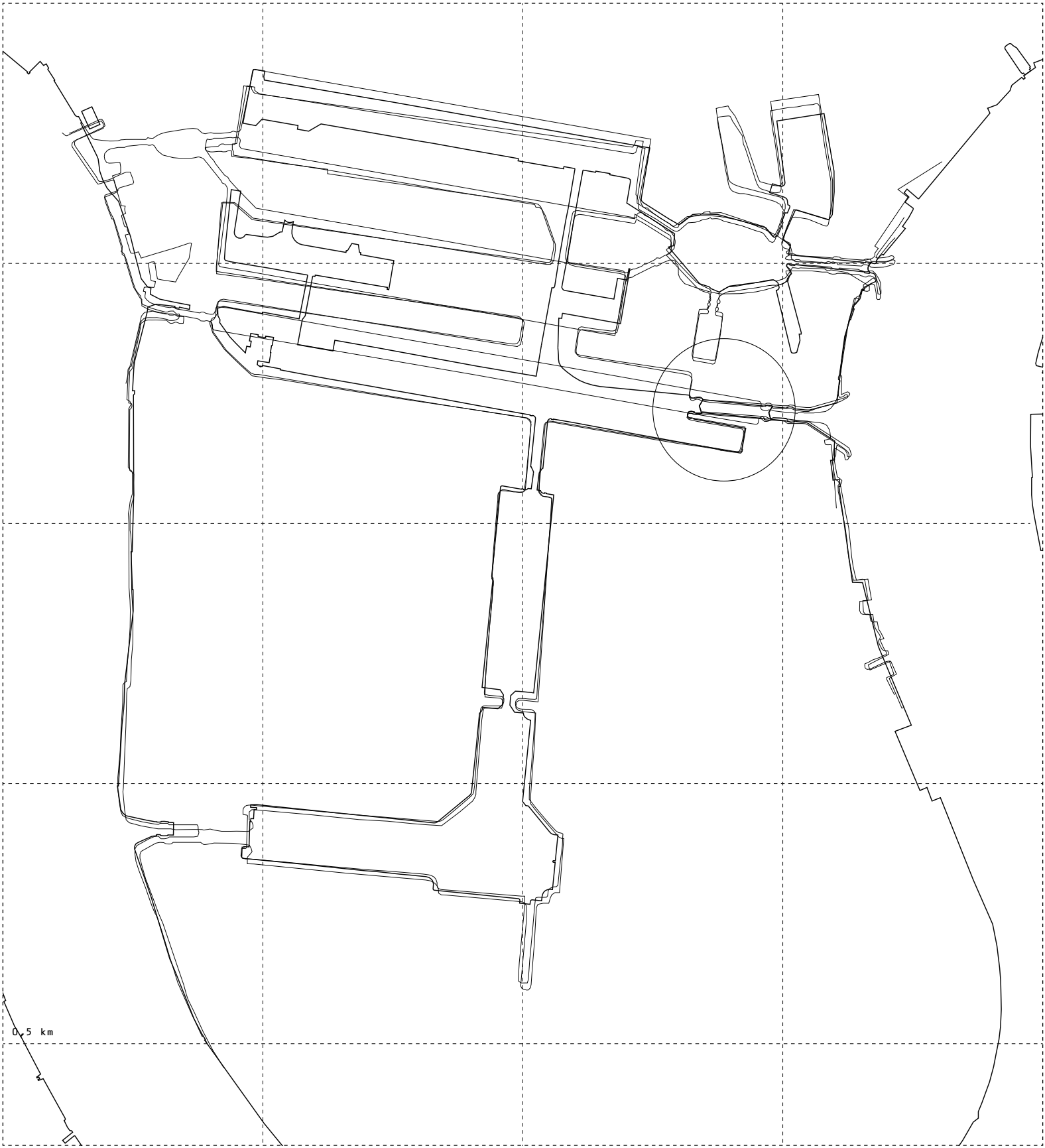
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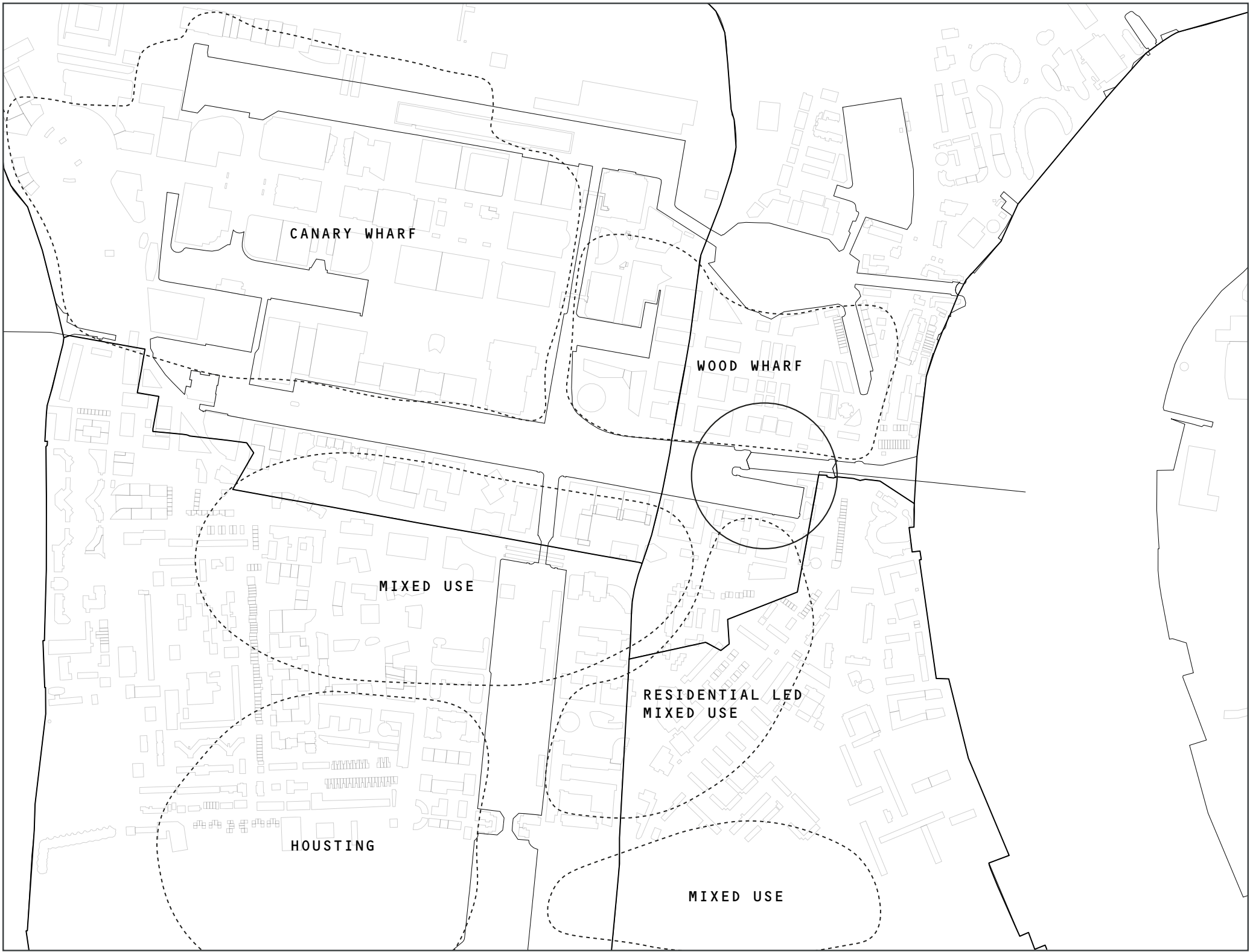


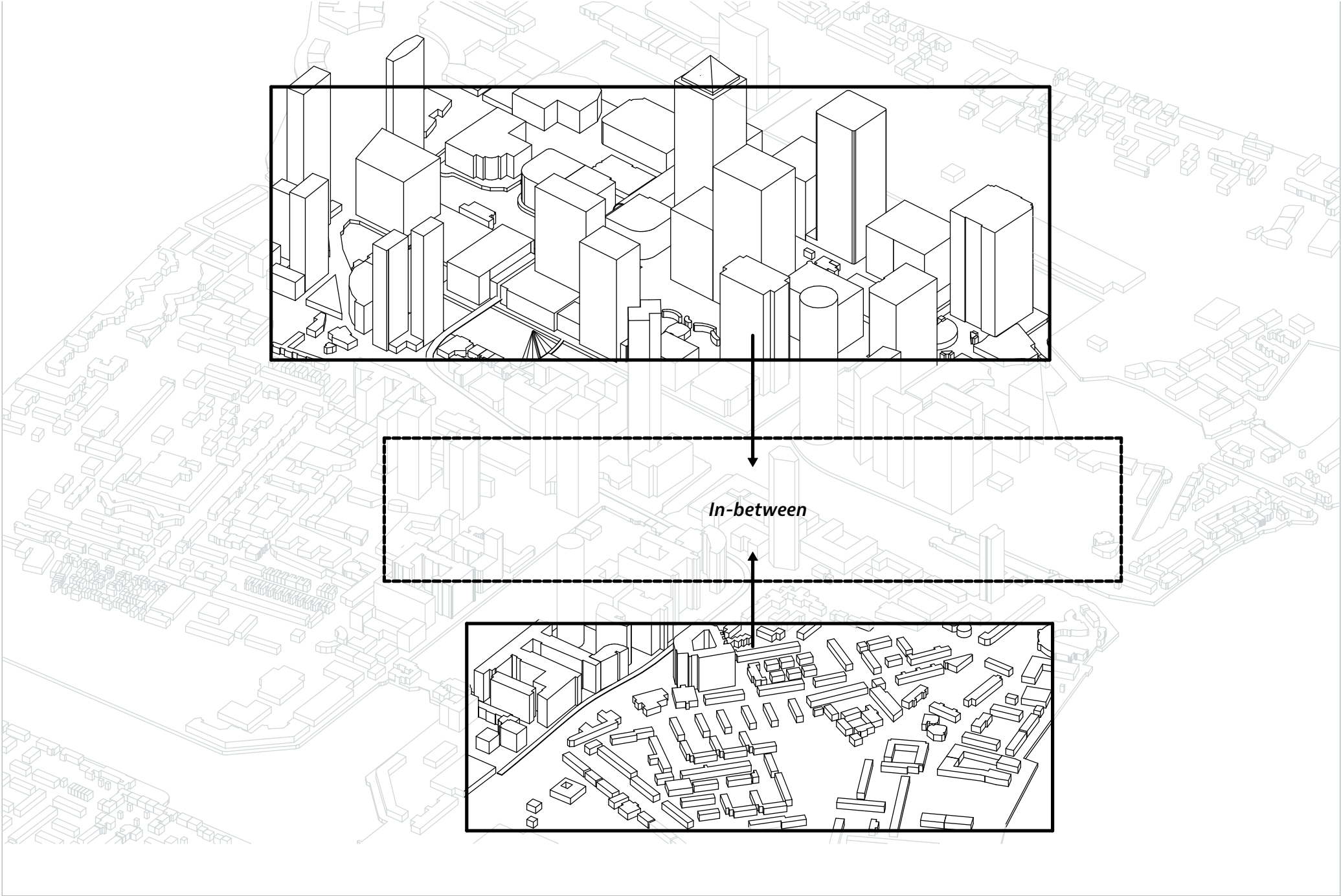


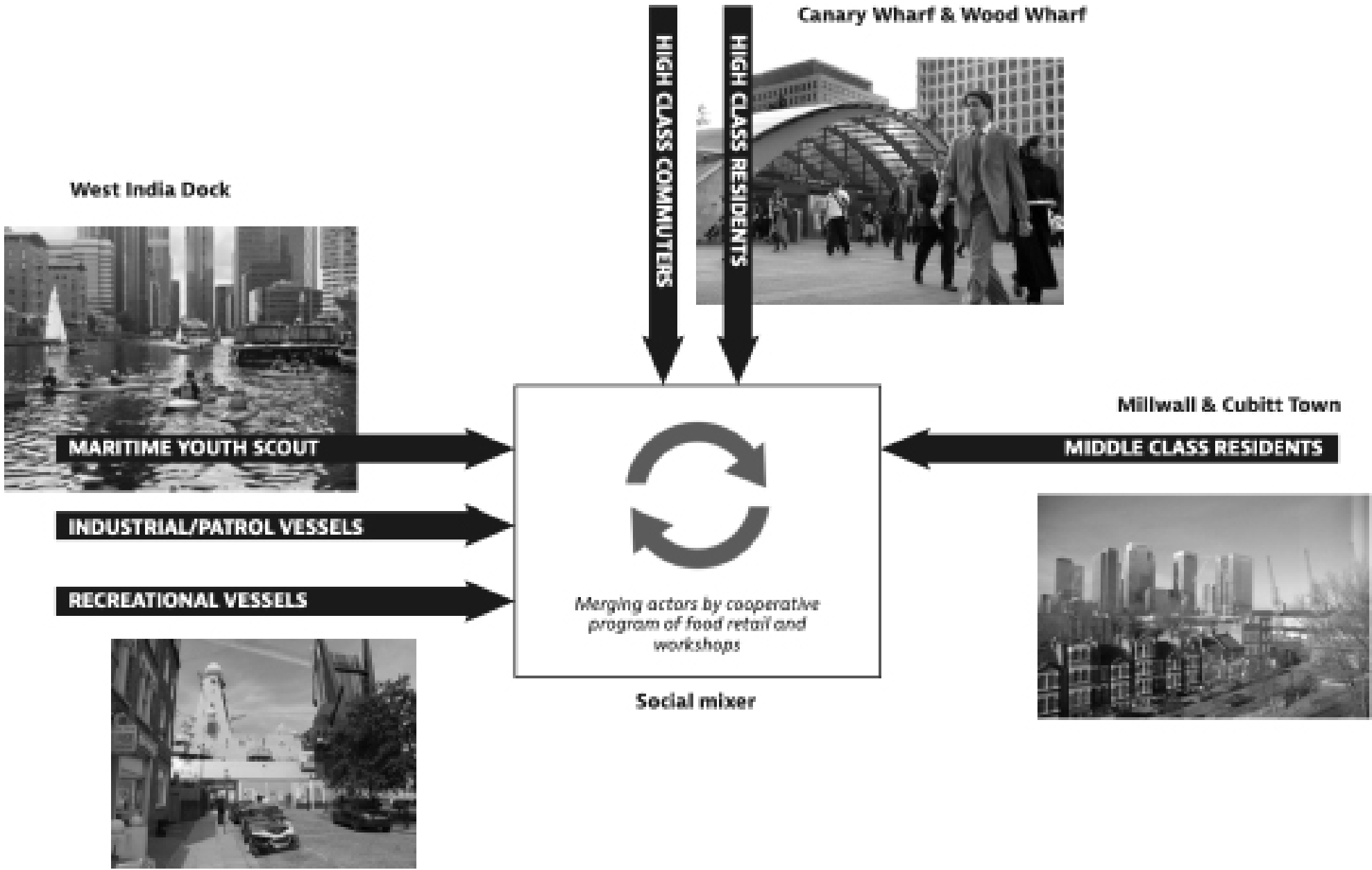
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***To 'embed'*^[1]**

Integrate a new sensory language into the existing site conditions, formulated by architecture

1: fix (an object) firmly and deeply in a surrounding mass



Boxpark



Bang Bang Oriental



Mercato Metropolitano



Market Hall Fulham

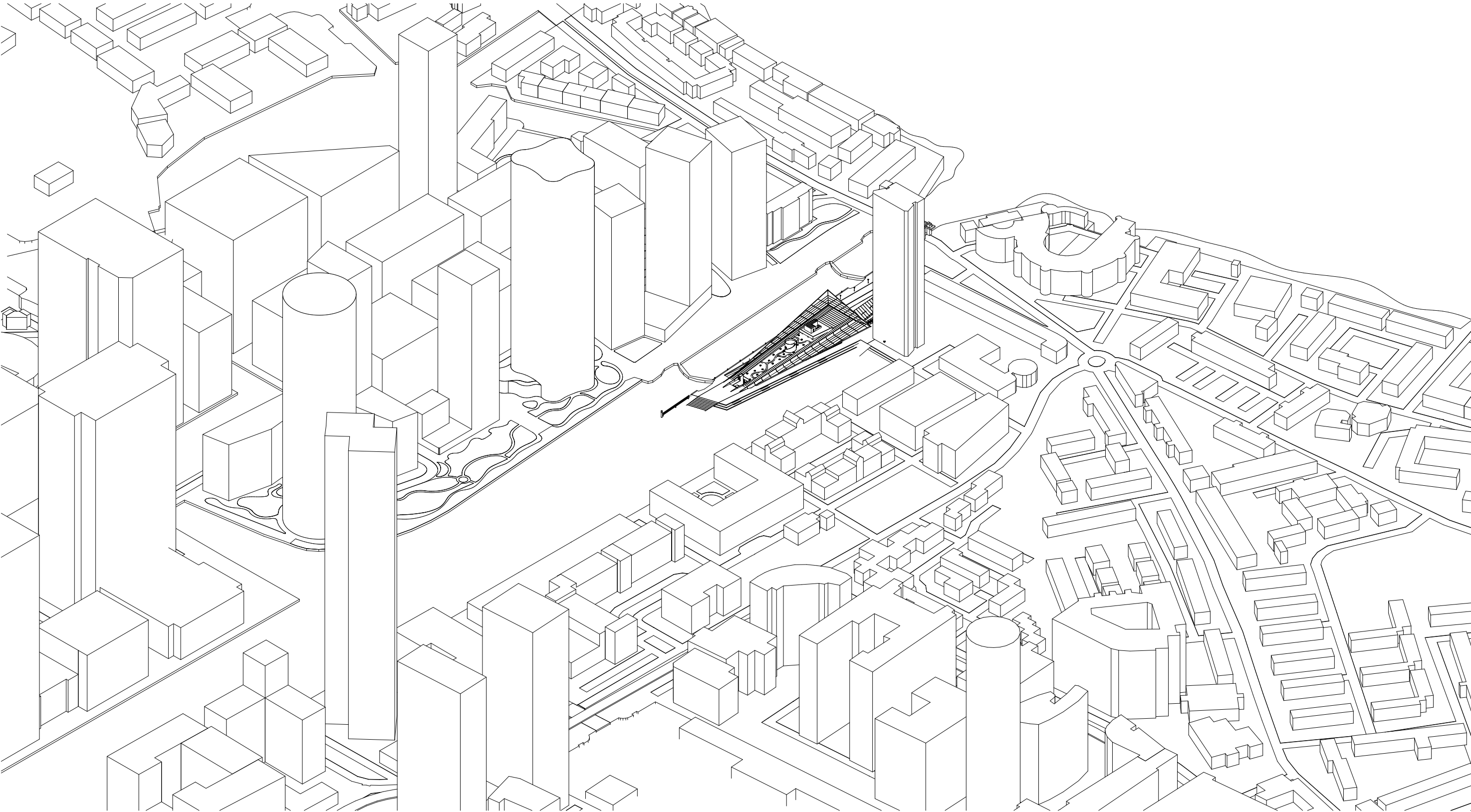


Borough Market Kitchen

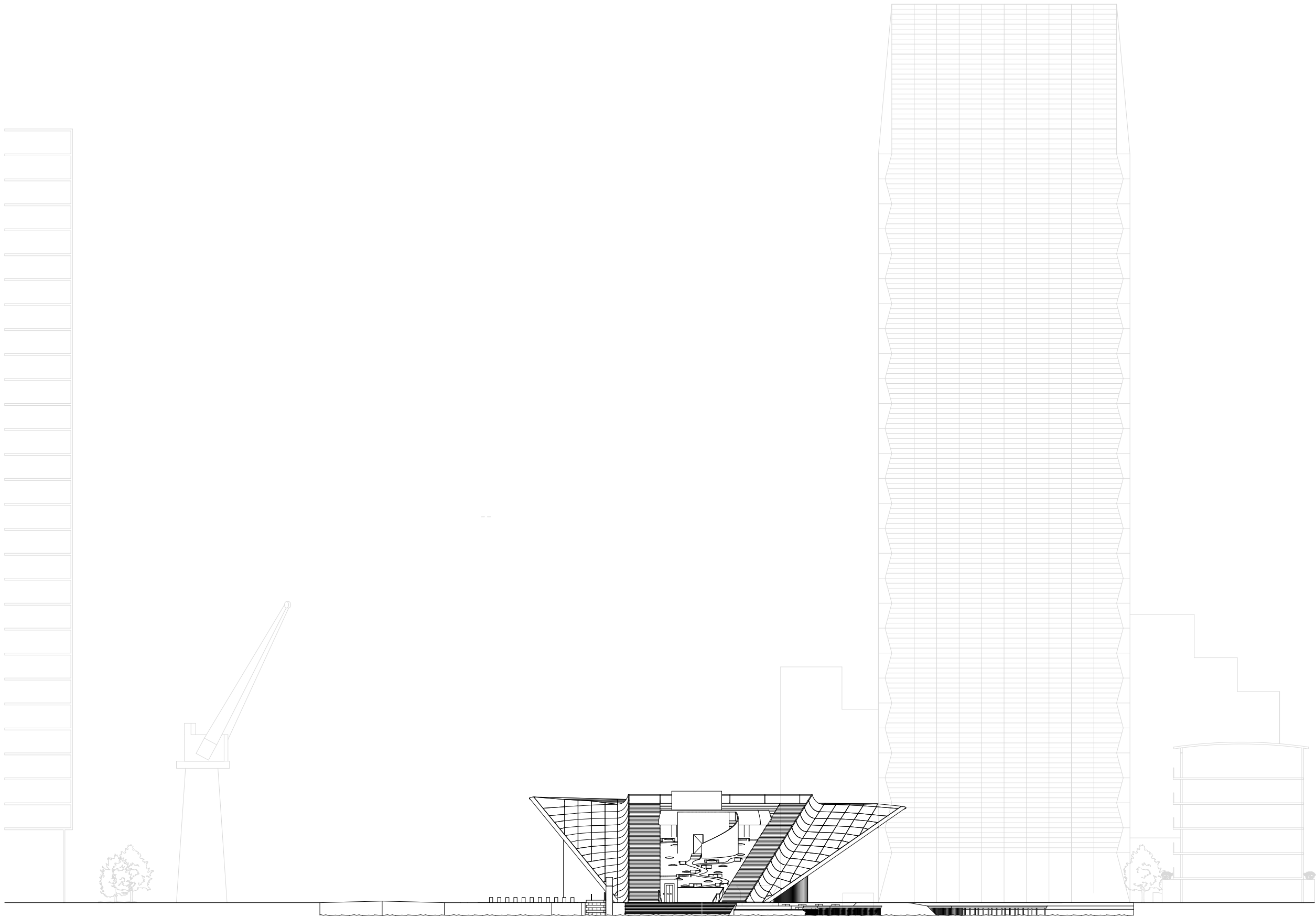


Camden Market Hall

...there is a potential in building new synthesis by using an overarching contemporary program, and sample it with sensory architecture

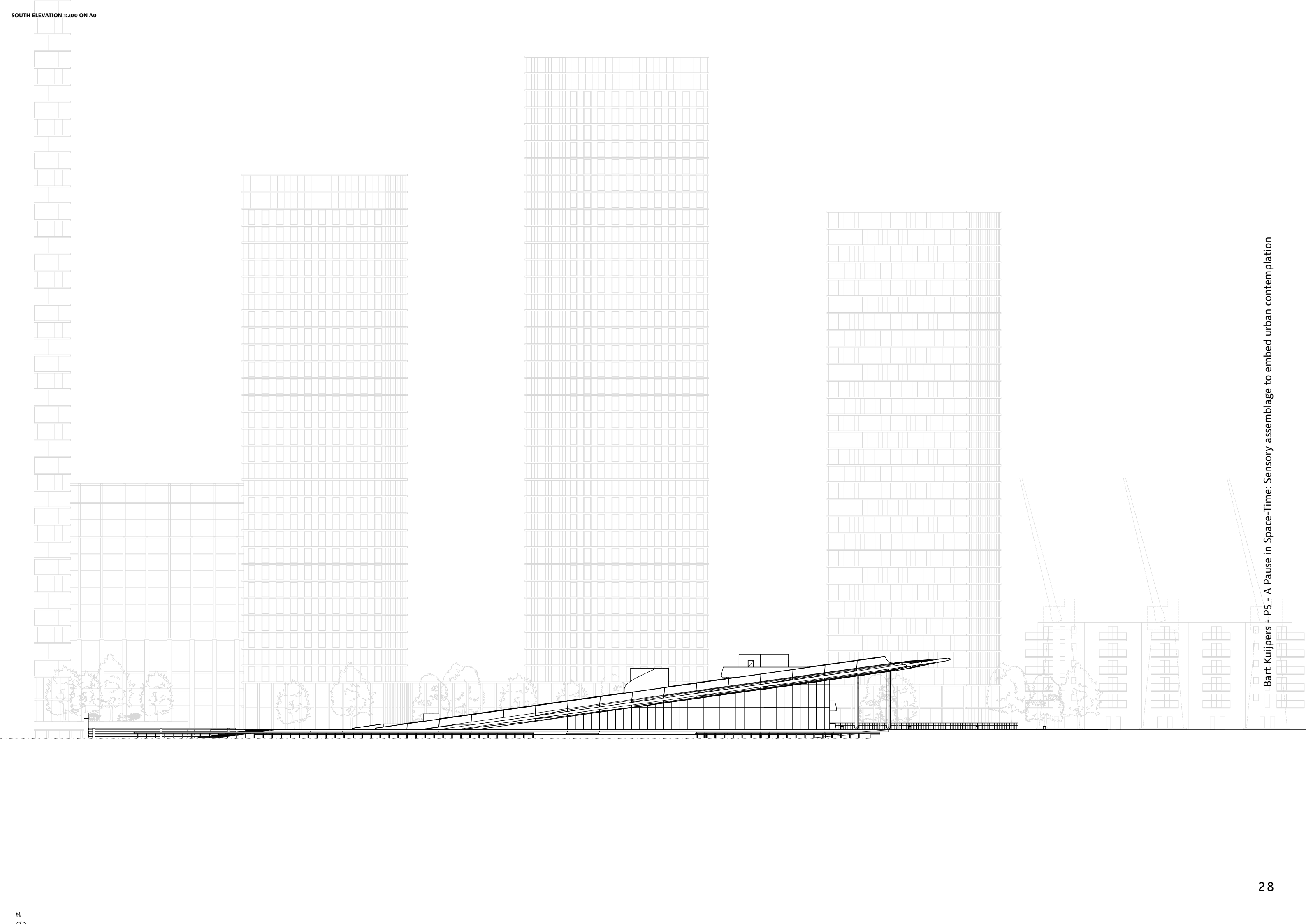


Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation





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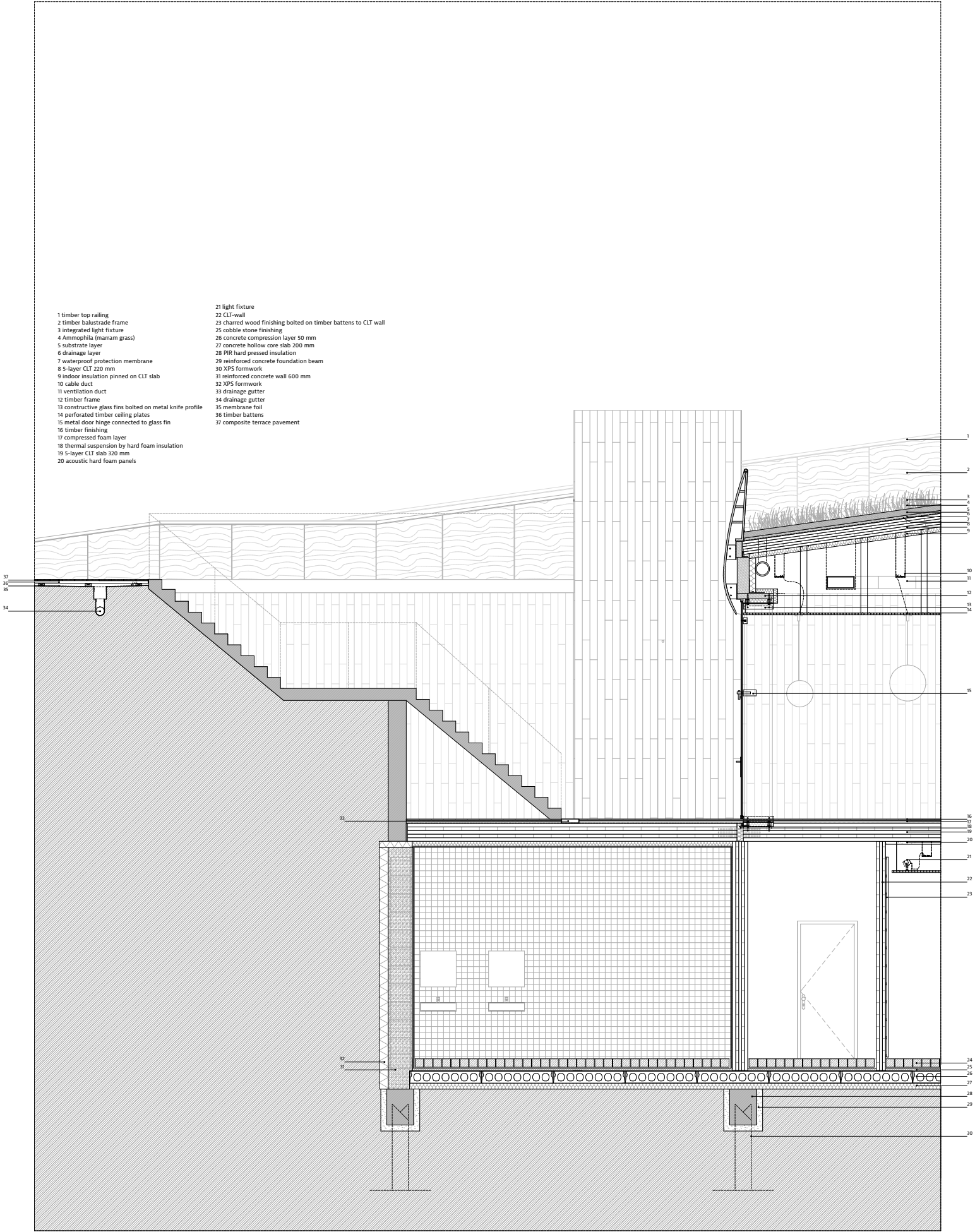
INTO THE DOCK

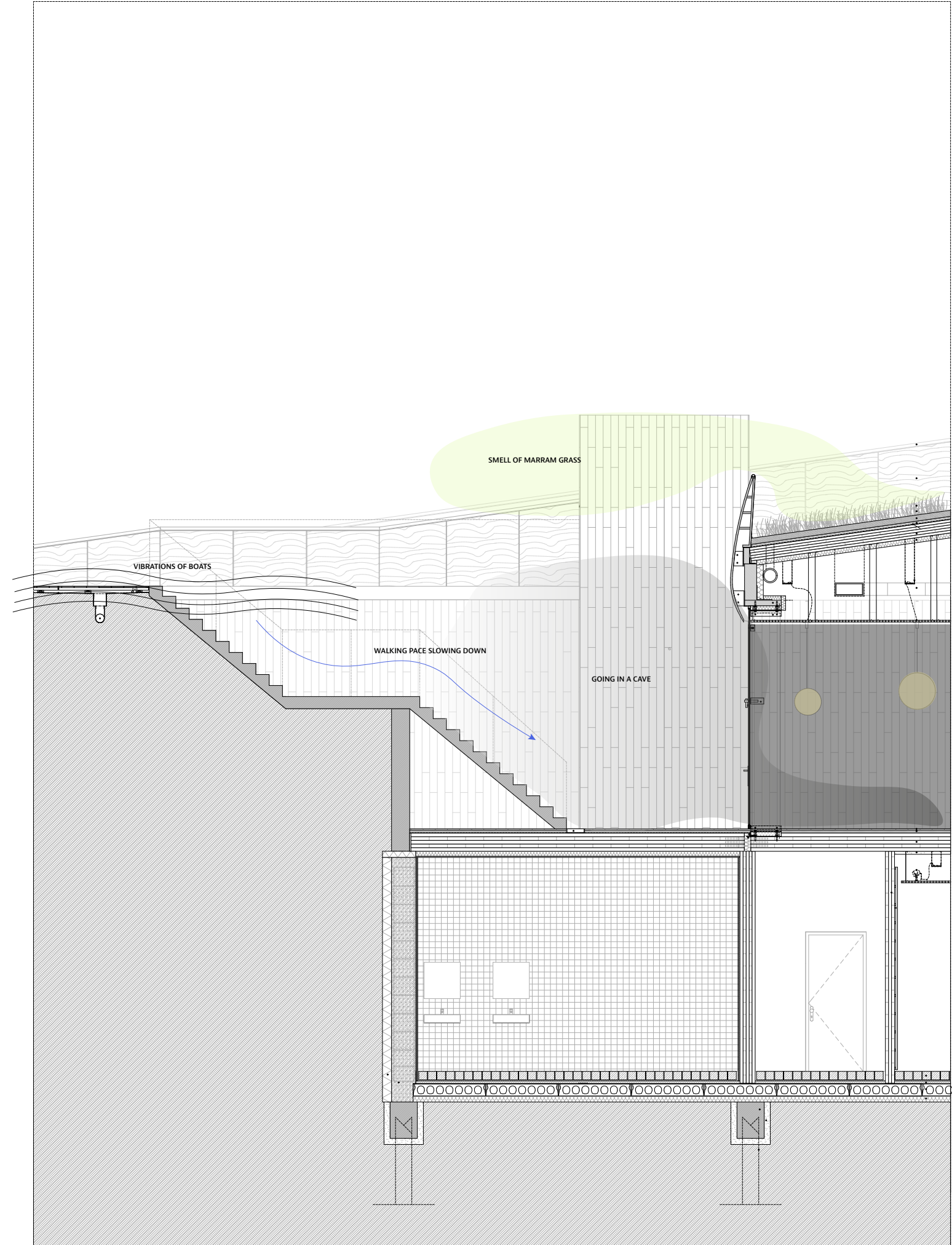
- 1 load & unload
- 2 cooling rooms
- 3 installation room
- 4 food court
- 5 bar
- 6 installation room
- 7 gender neutral toilets
- 8 lockers
- 9 cloakroom
- 10 storage room

1:200 on A0



0 1 3 10





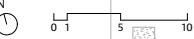


Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation

AT THE BALUSTRADE

- 1 load & unload
- 2 cooling rooms
- 3 installation room
- 4 food court
- 5 bar
- 6 installation room
- 7 gender neutral toilets
- 8 lockers
- 9 cloakroom
- 10 storage room

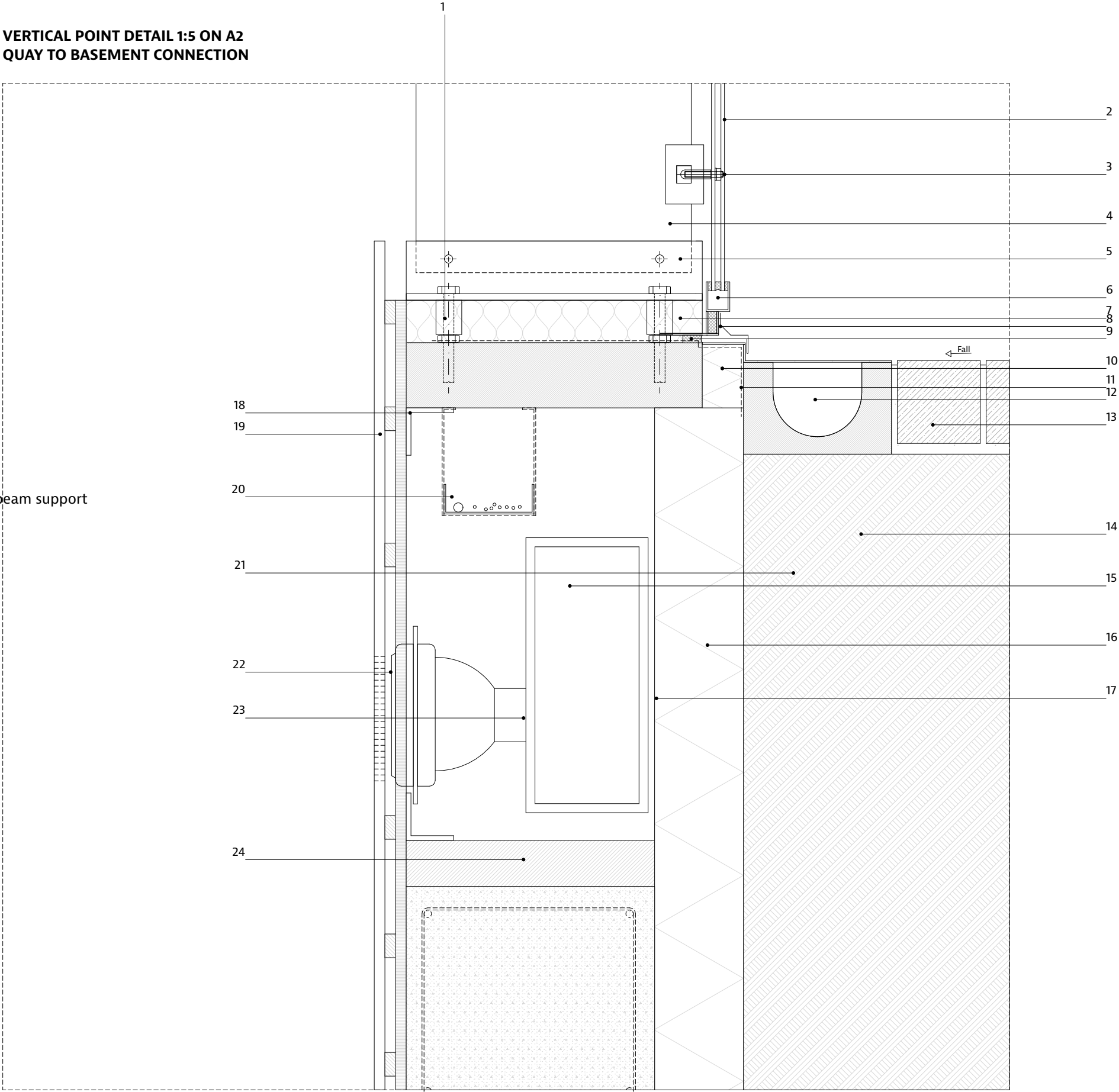
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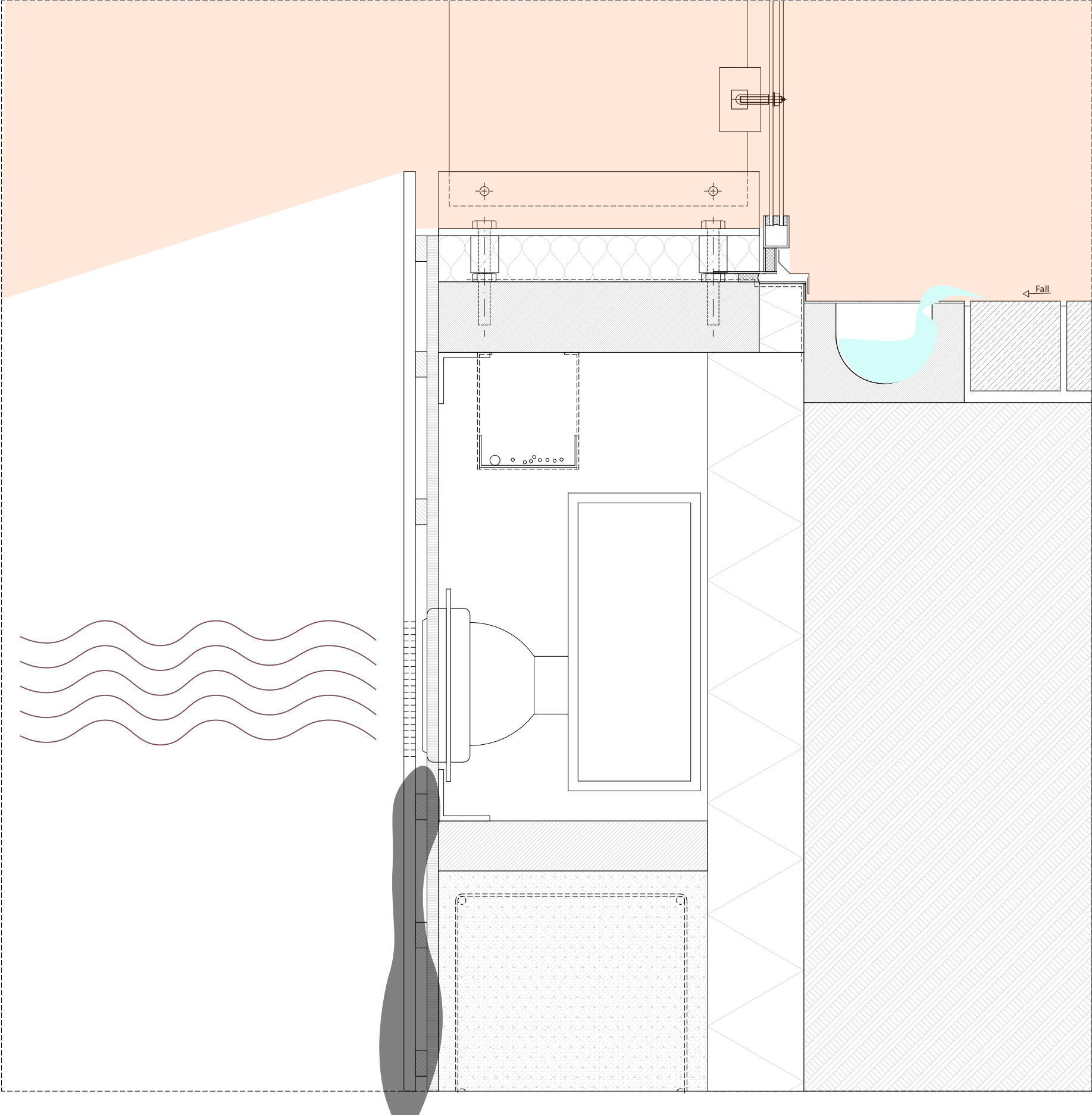
Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation

VERTICAL POINT DETAIL 1:5 ON A2
QUAY TO BASEMENT CONNECTION

- 1 metal profile from structural glass fin connected on prefab concrete beam support
- 2 glazing
- 3 spike connection on glass fin
- 4 glass fin
- 5 metal profile ending for glass fin
- 6 metal window frame
- 7 rockwool insulation filling
- 8 metal drain sill
- 9 rubber sill
- 10 XPS insulation
- 11 membrane foil
- 12 drainage gutter
- 13 chausse stone
- 14 soil
- 15 reinforced concrete
- 16 XPS insulation
- 17 membrane foil
- 18 metal profile
- 19 laminated timber finishing
- 20 cable duct
- 21 metal support bracket
- 22 nozzle diffuser
- 23 ventilation duct
- 24 timber support beam connected through pin in concrete wall



VERTICAL POINT DETAIL 1:5 ON A2
QUAY TO BASEMENT CONNECTION



- 1 load & unload
- 2 cooling rooms
- 3 installation room
- 4 food court
- 5 bar
- 6 installation room
- 7 gender neutral toilets
- 8 lockers
- 9 cloakroom
- 10 storage room

1:200 on A2

N

0 1 5 10

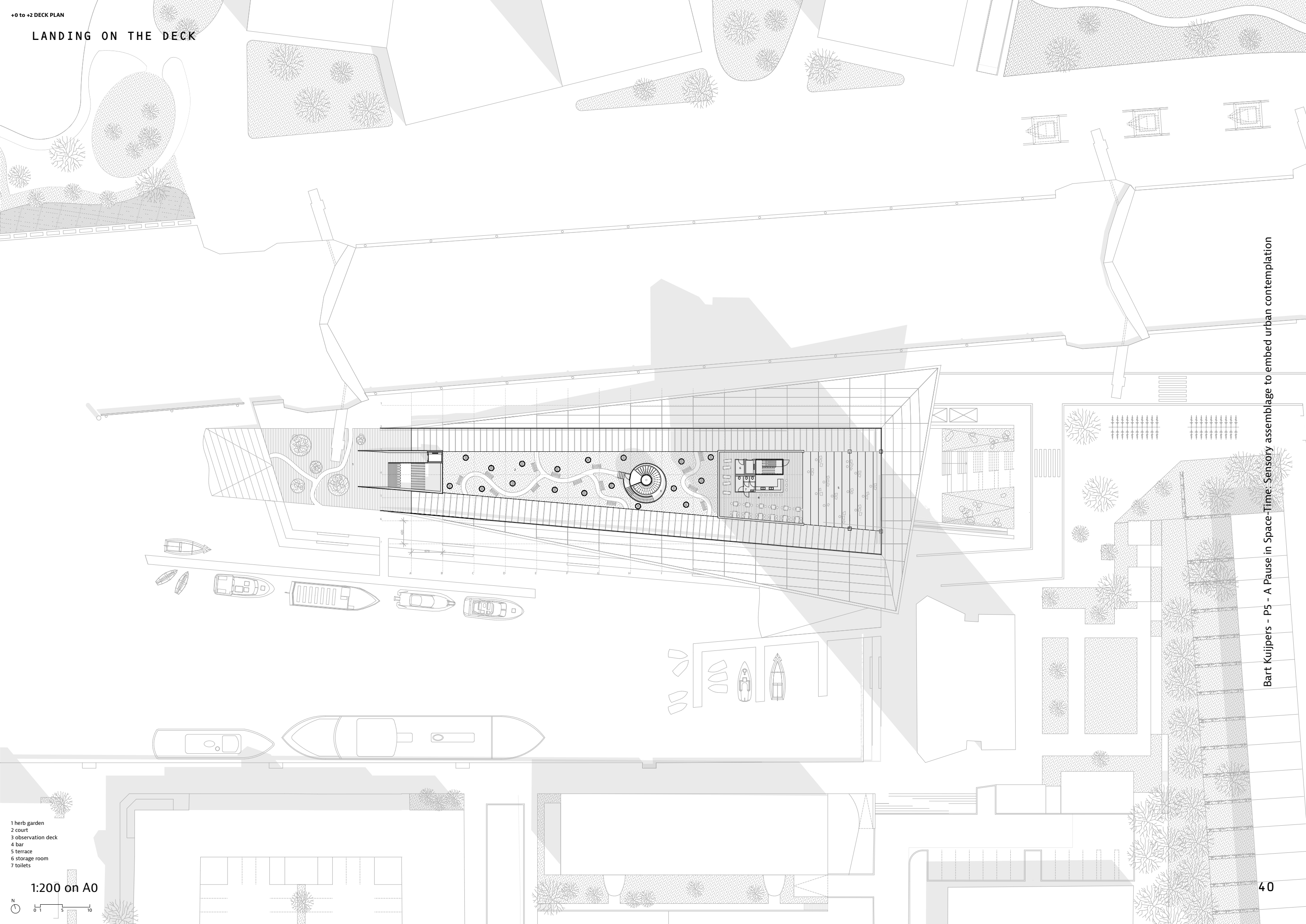


Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation



Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation

LANDING ON THE DECK



- 1 herb garden
- 2 court
- 3 observation deck
- 4 bar
- 5 terrace
- 6 storage room
- 7 toilets

1:200 on A0

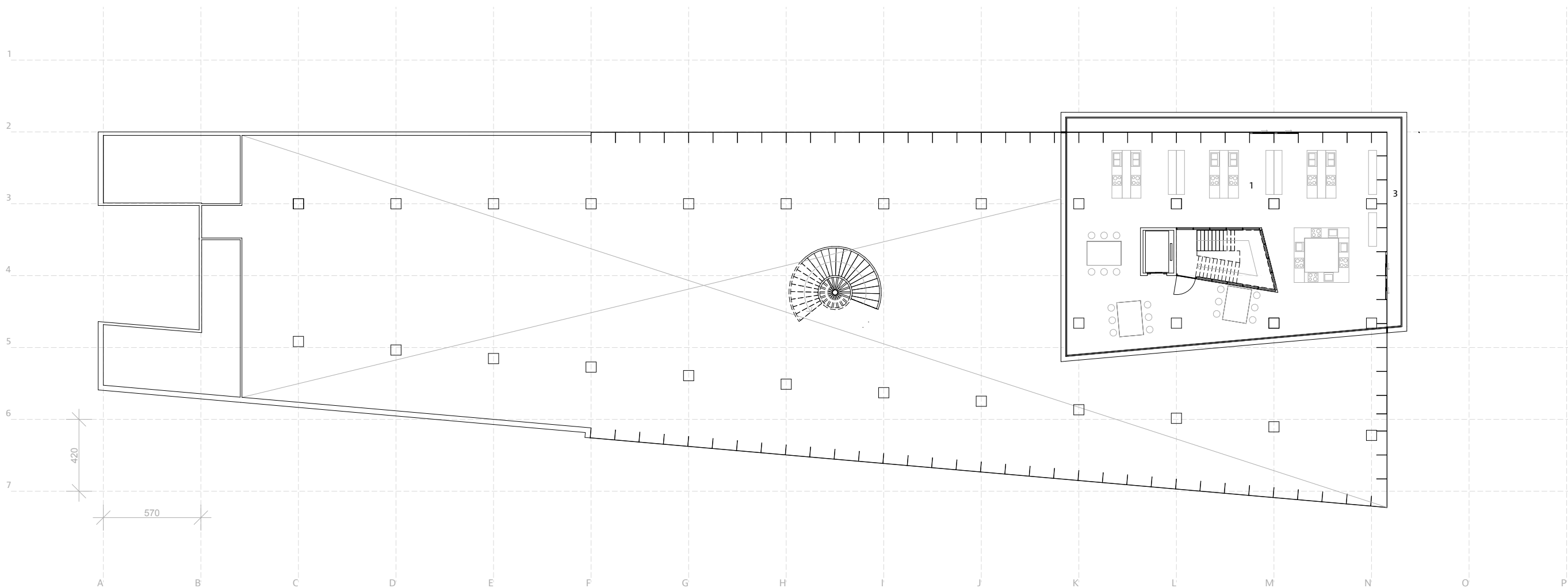


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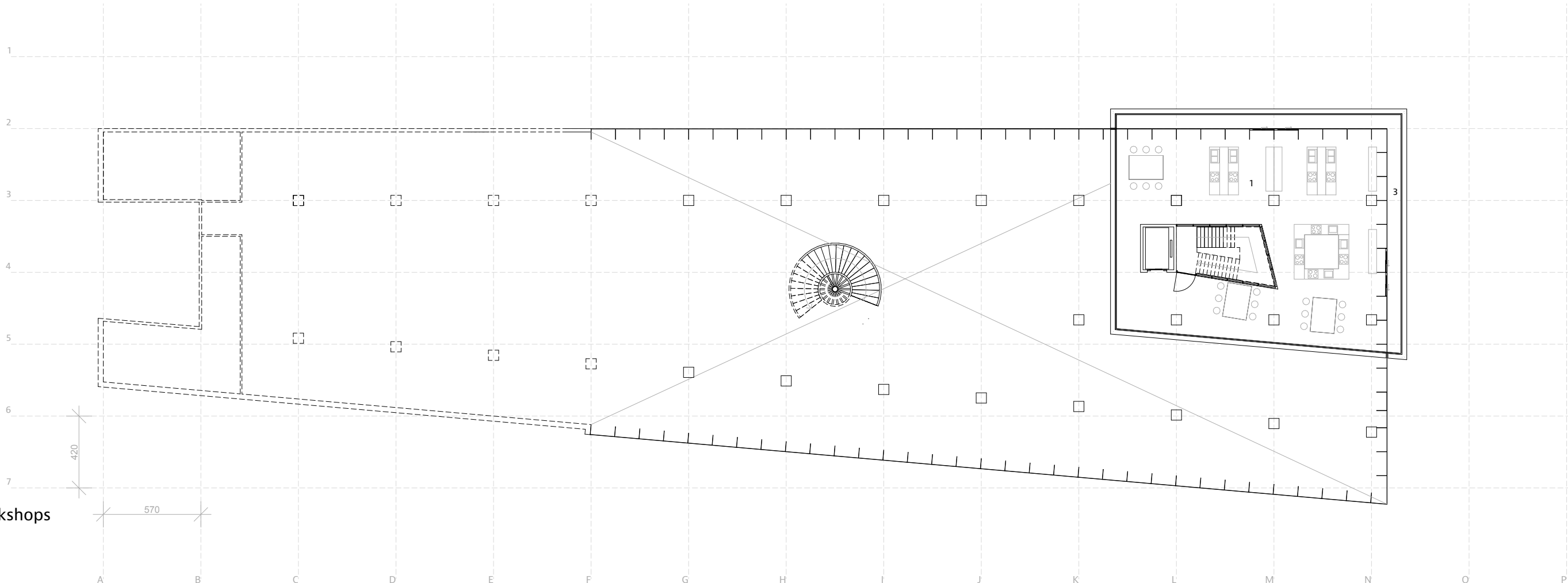


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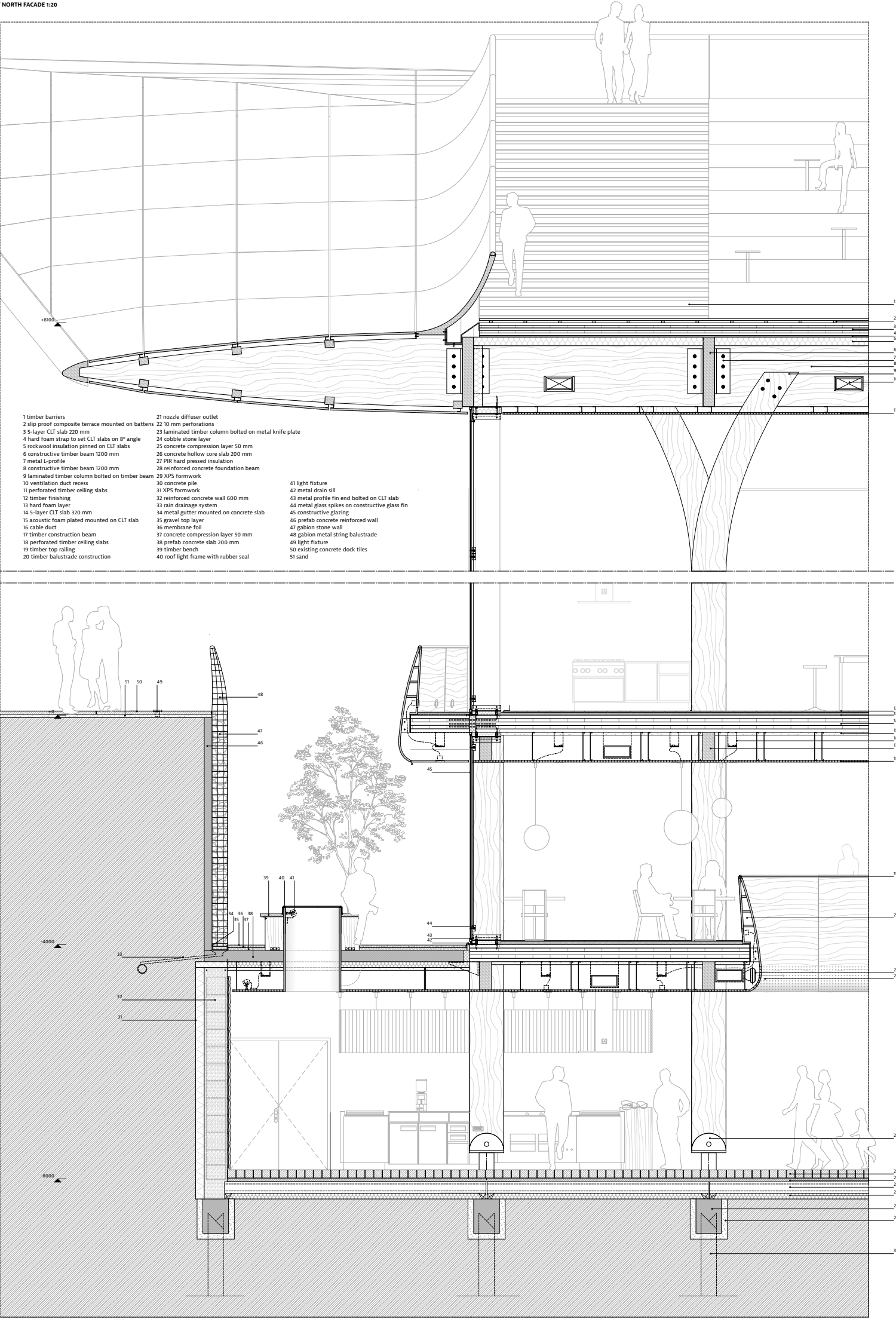
+0 MAISONETTE PLAN



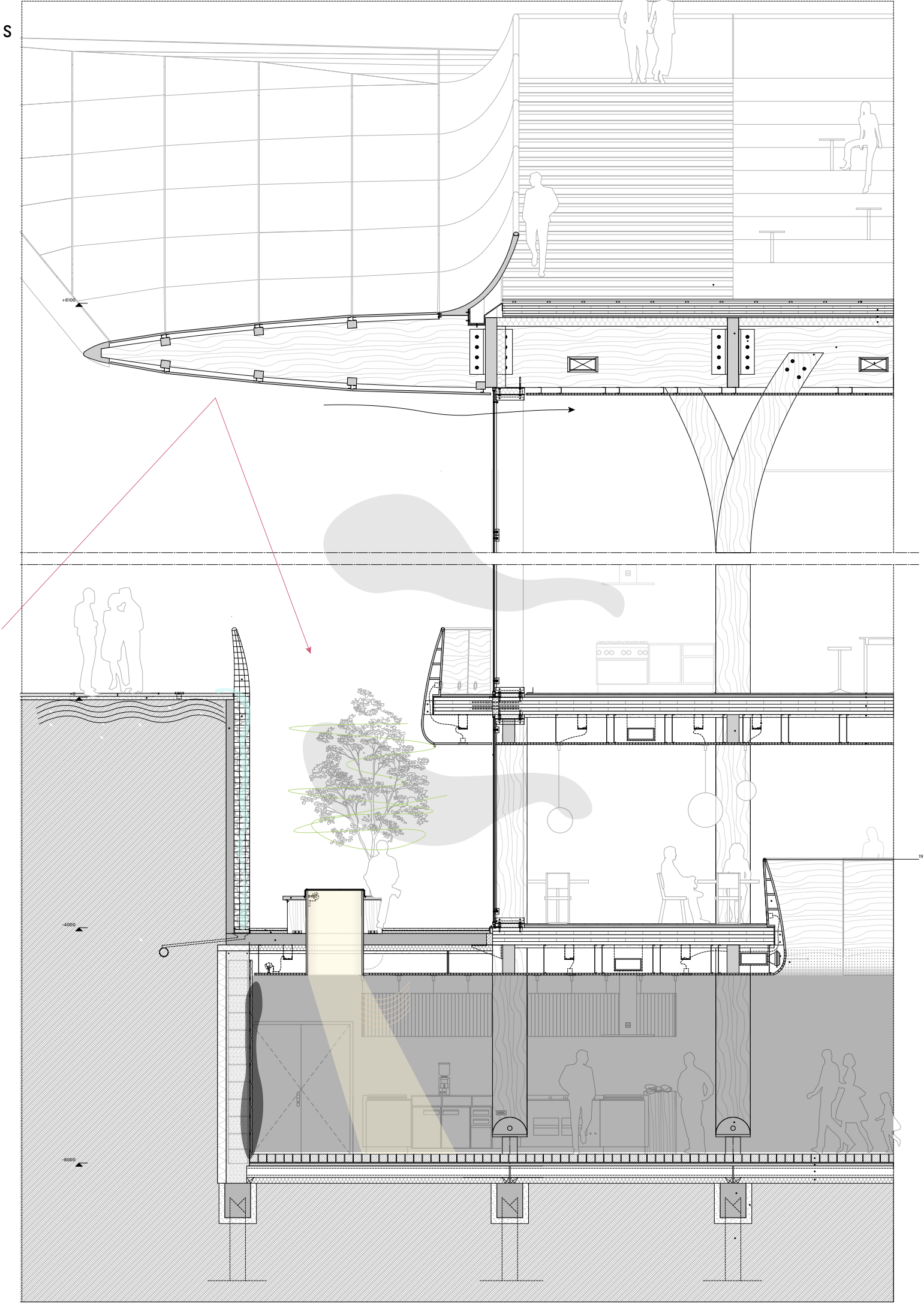
+1 MAISONETTE PLAN



1:200 on A2
1 open kitchen workshops



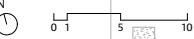
INTEGRATION OF SENSORY DOCK QUALITIES
INTO THE ARCHITECTURE



PUBLIC IN-BETWEEN

- 1 load & unload
- 2 cooling rooms
- 3 installation room
- 4 food court
- 5 bar
- 6 installation room
- 7 gender neutral toilets
- 8 lockers
- 9 cloakroom
- 10 storage room

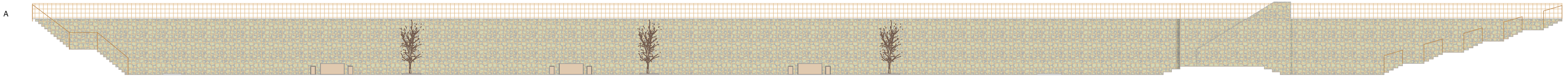
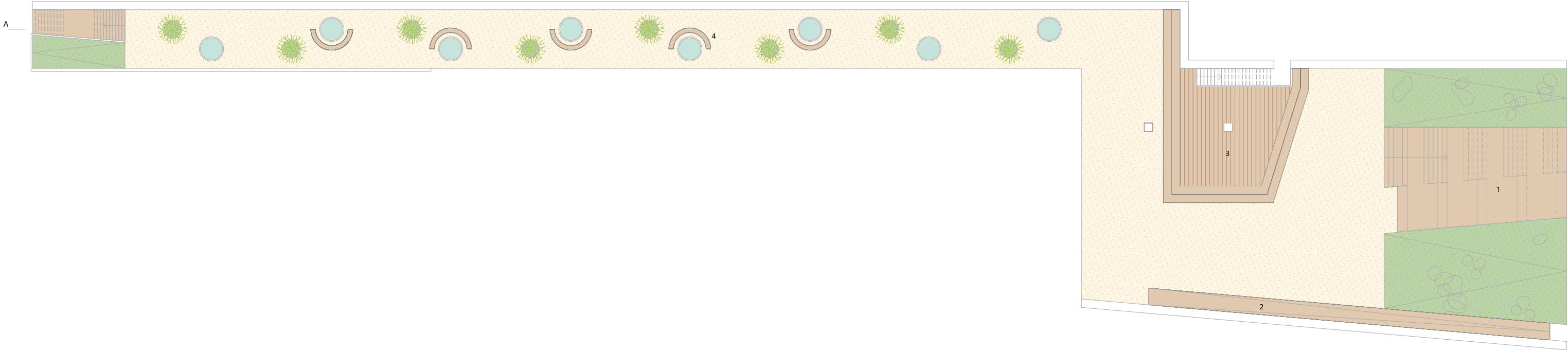
1:200 on A0



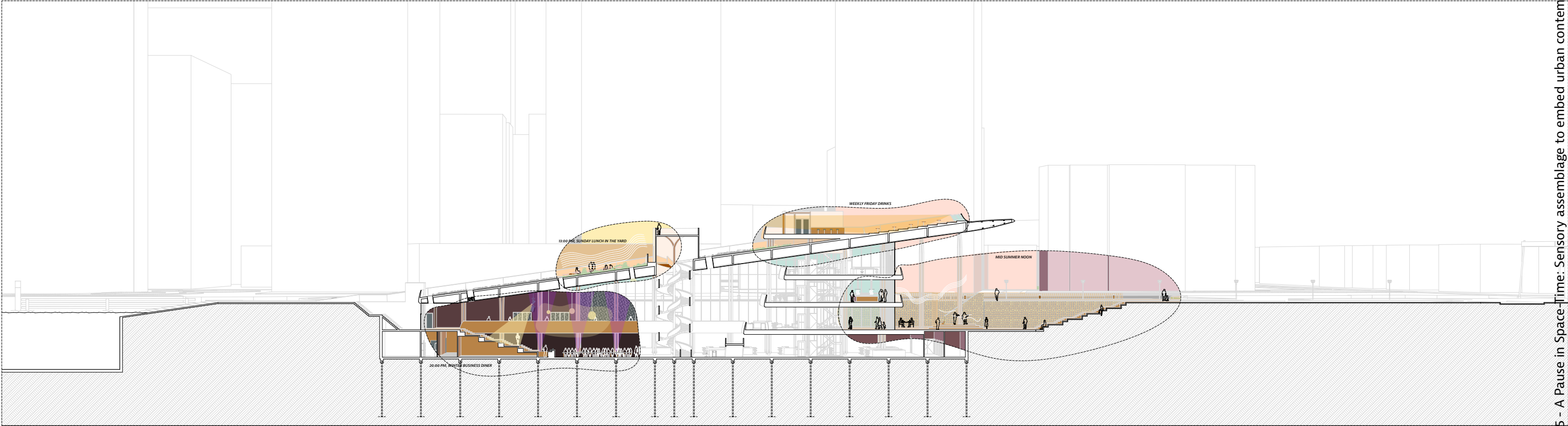


Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation

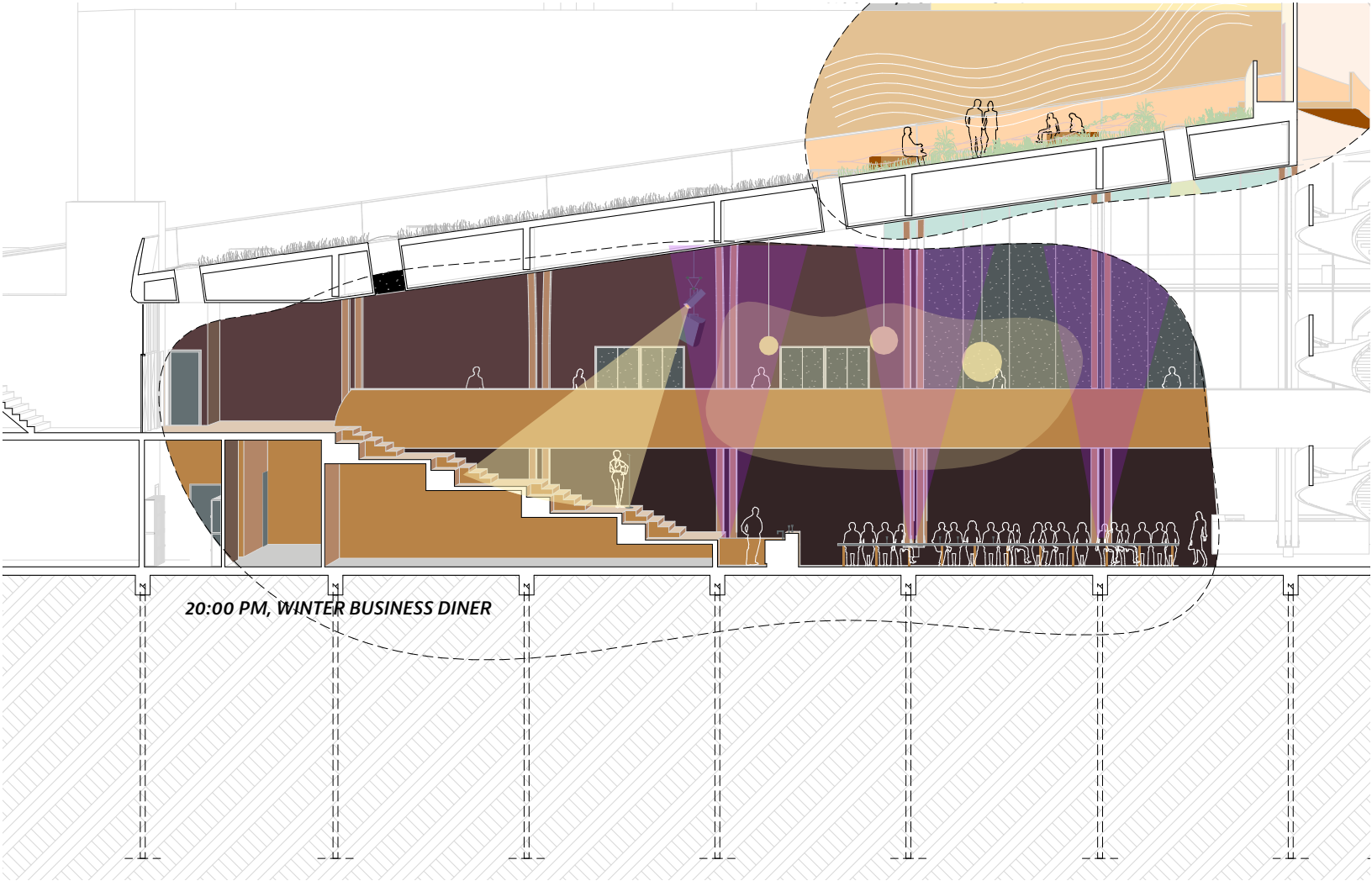
'Unlike building, which can disappear, or better yet, it exists to be periodically replaced (like a car), architecture aspires to endure in time' ^[1]

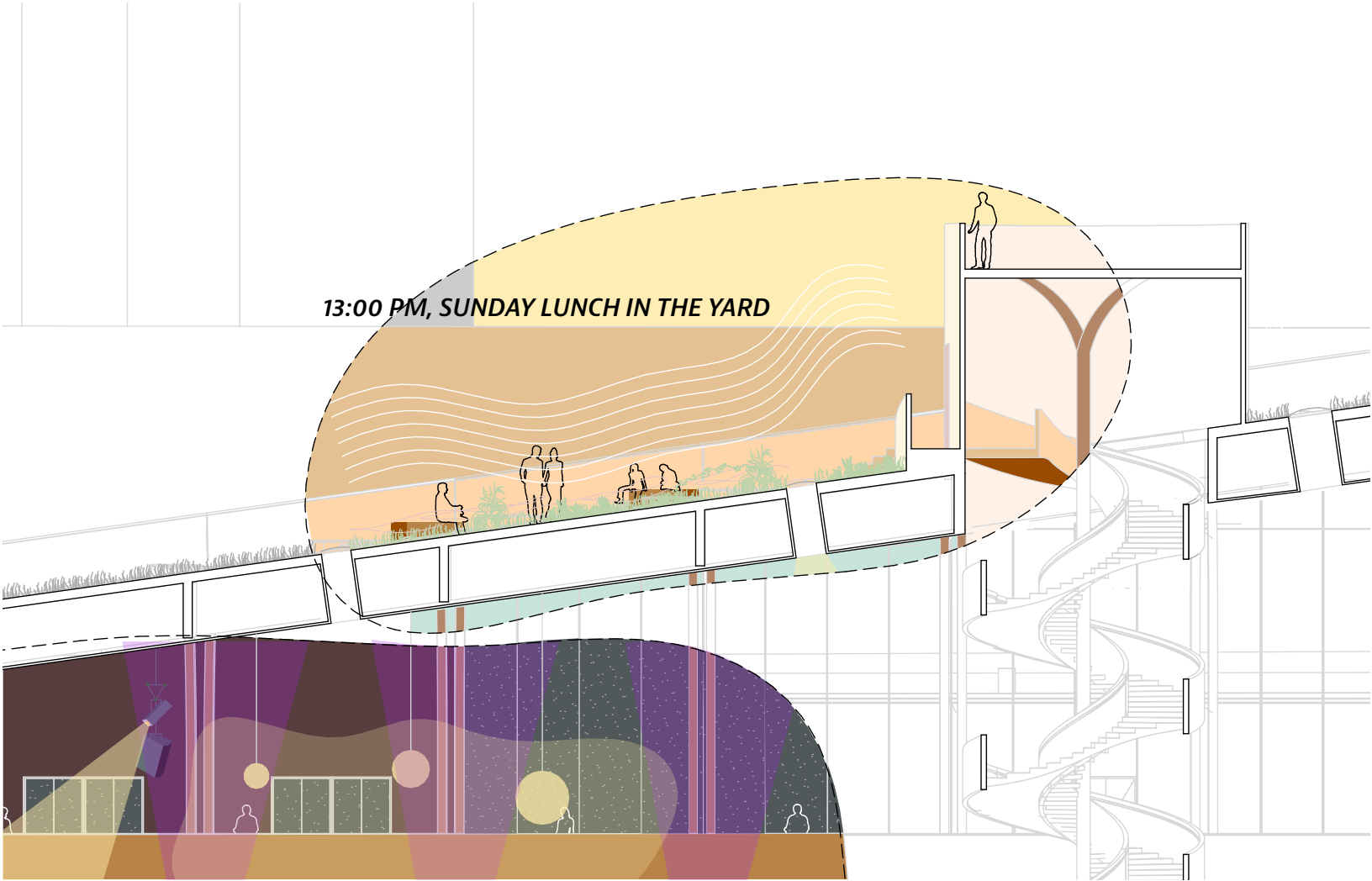


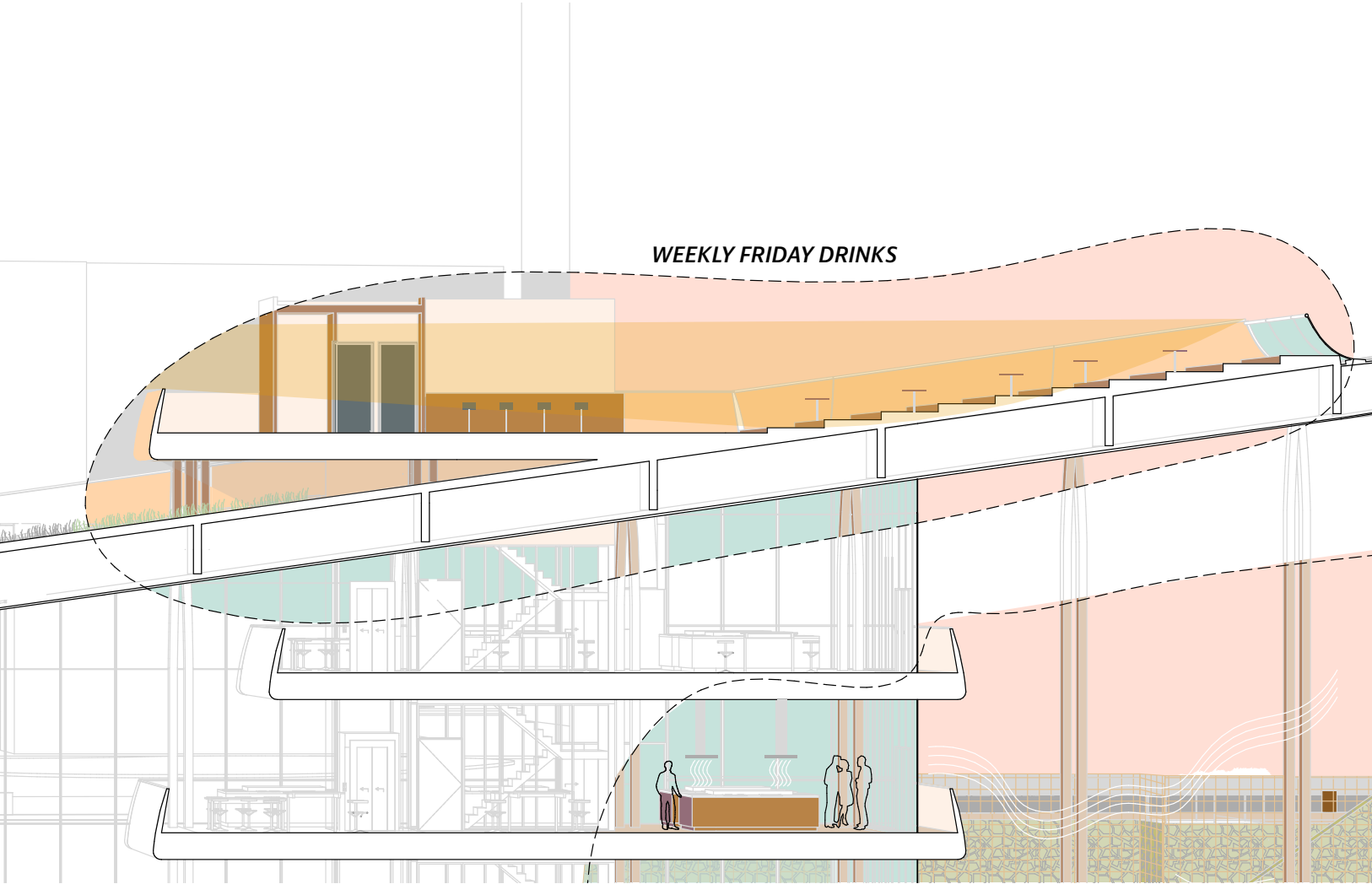
- 1 tribune
- 2 ramp
- 3 stage
- 4 picnic



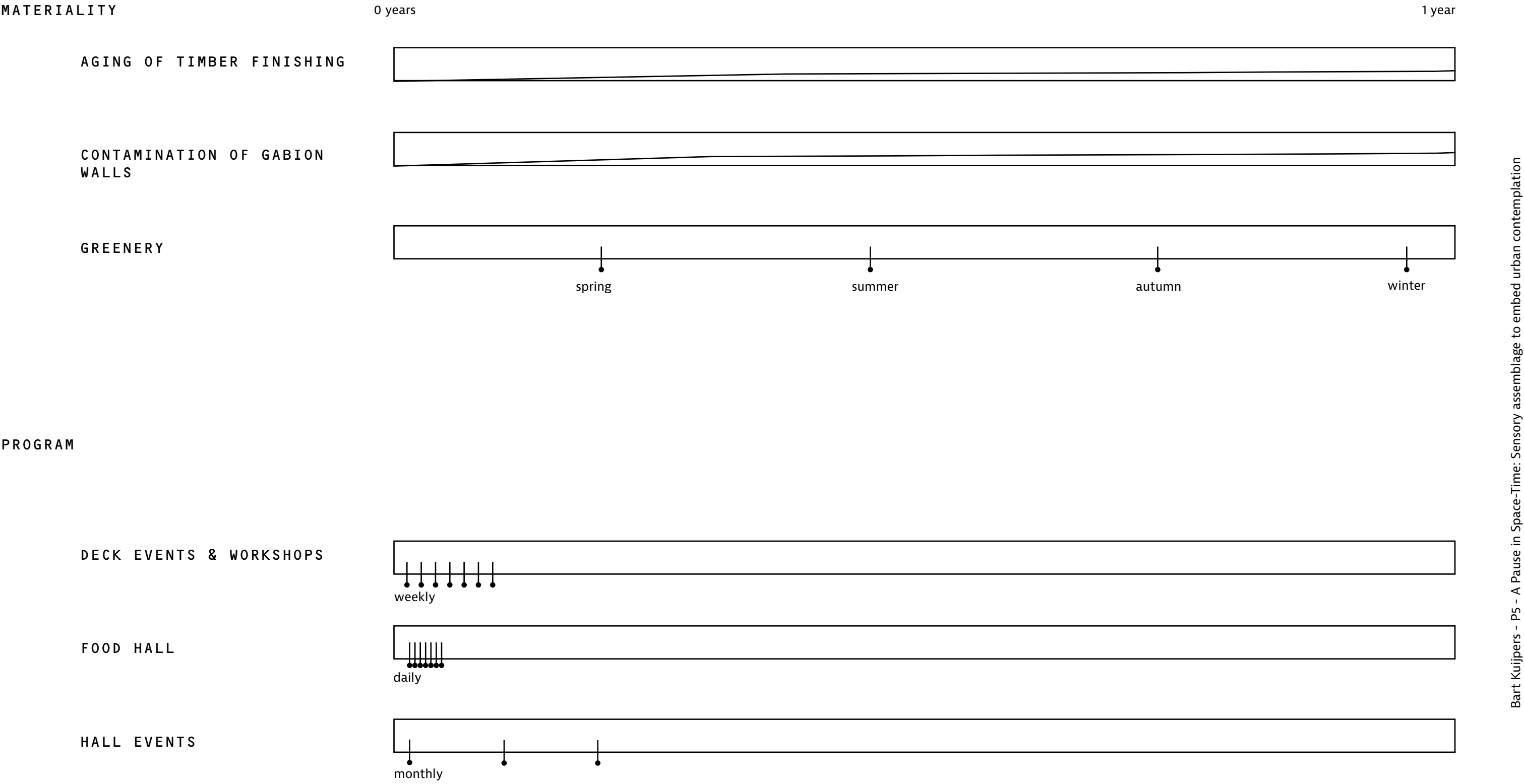
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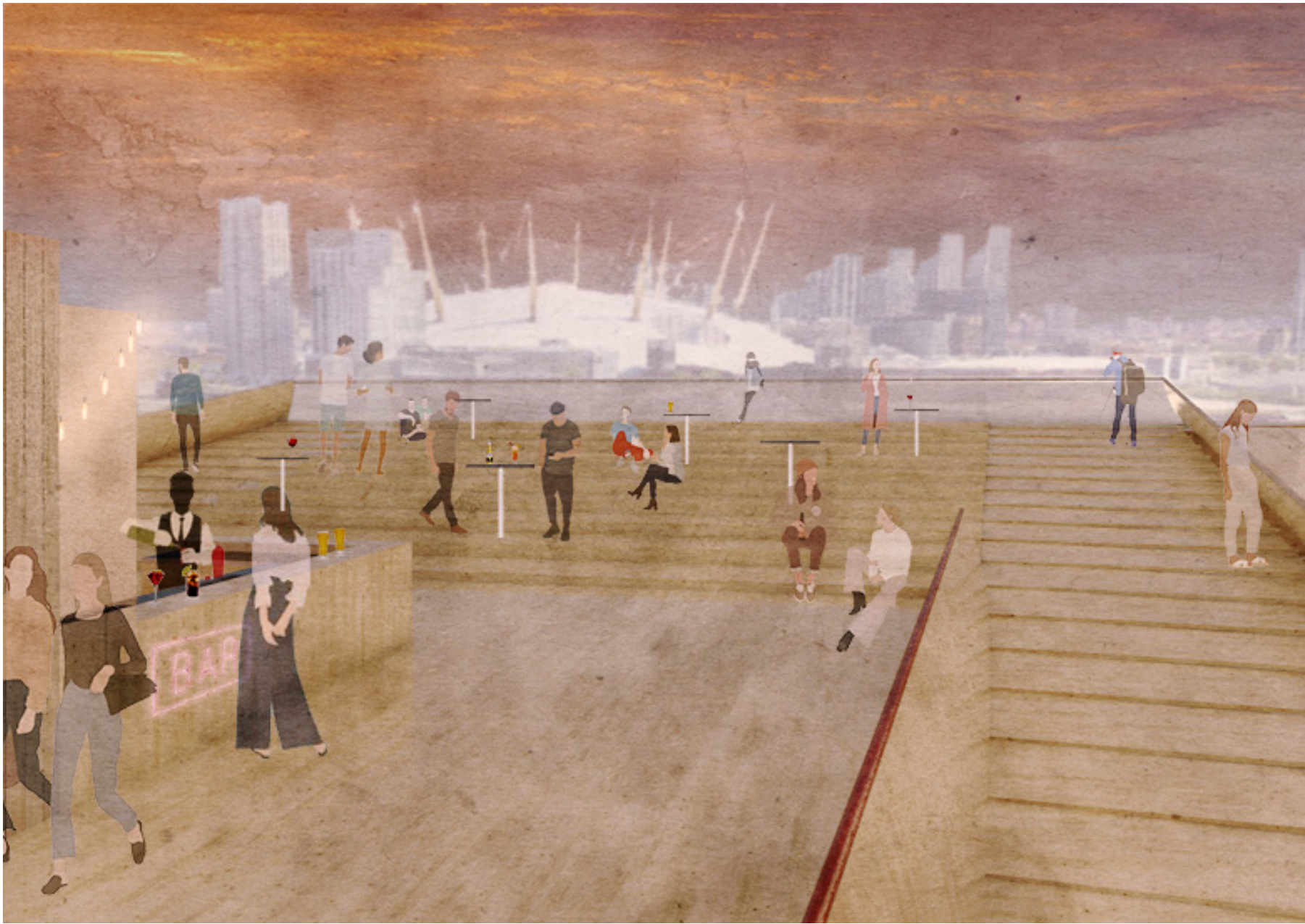






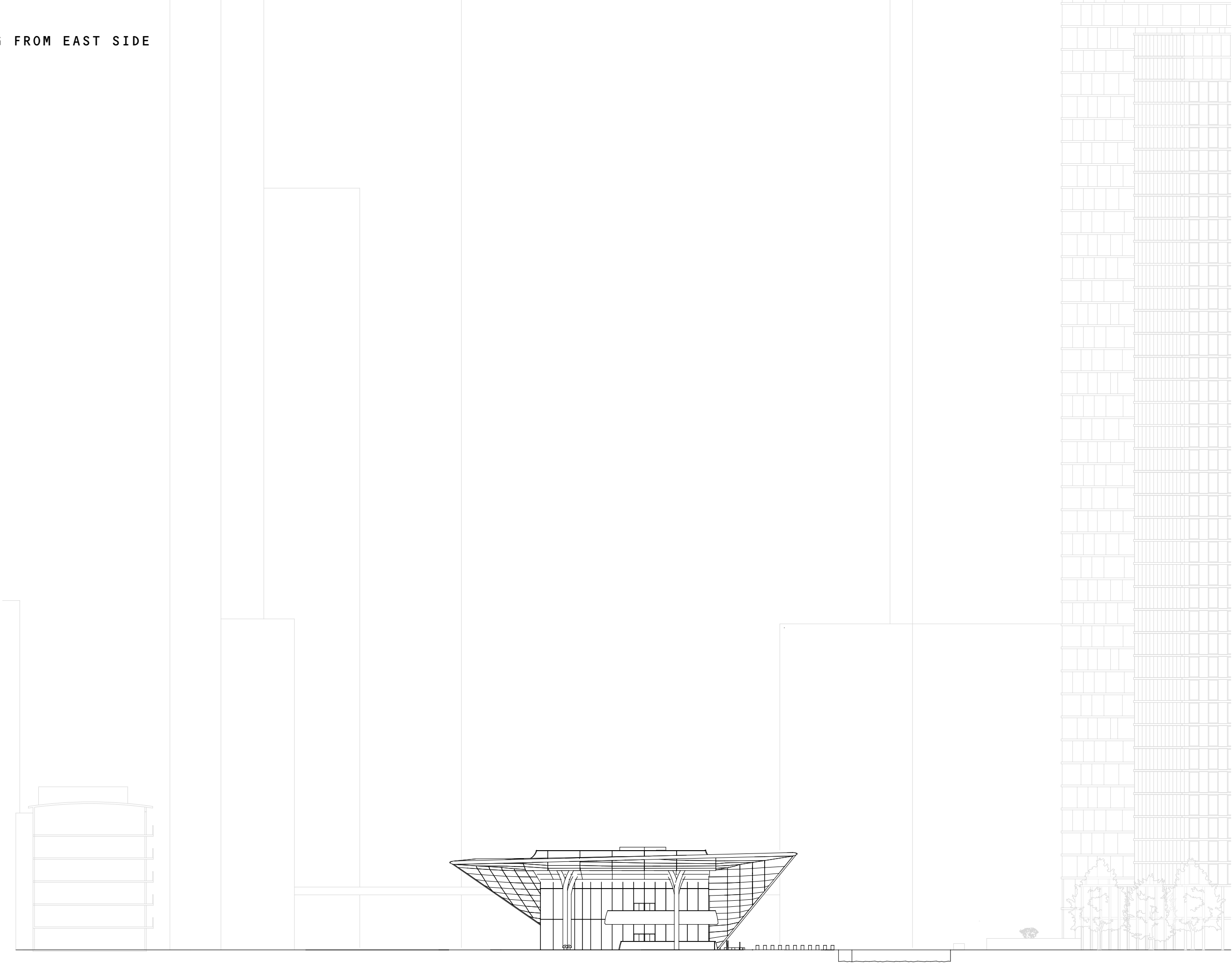
TIMELINE & CYCLES





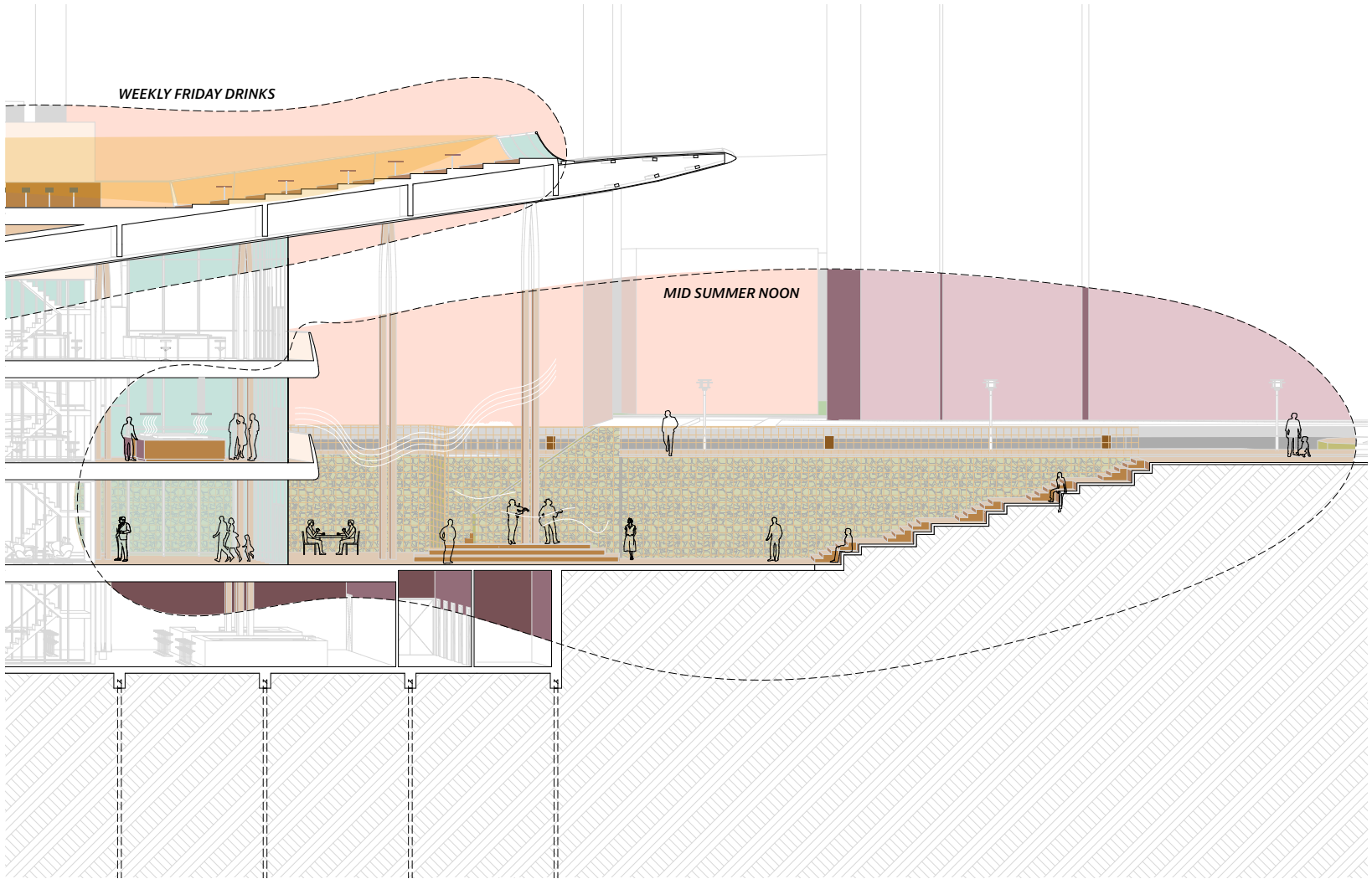
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APPROACHING FROM EAST SIDE

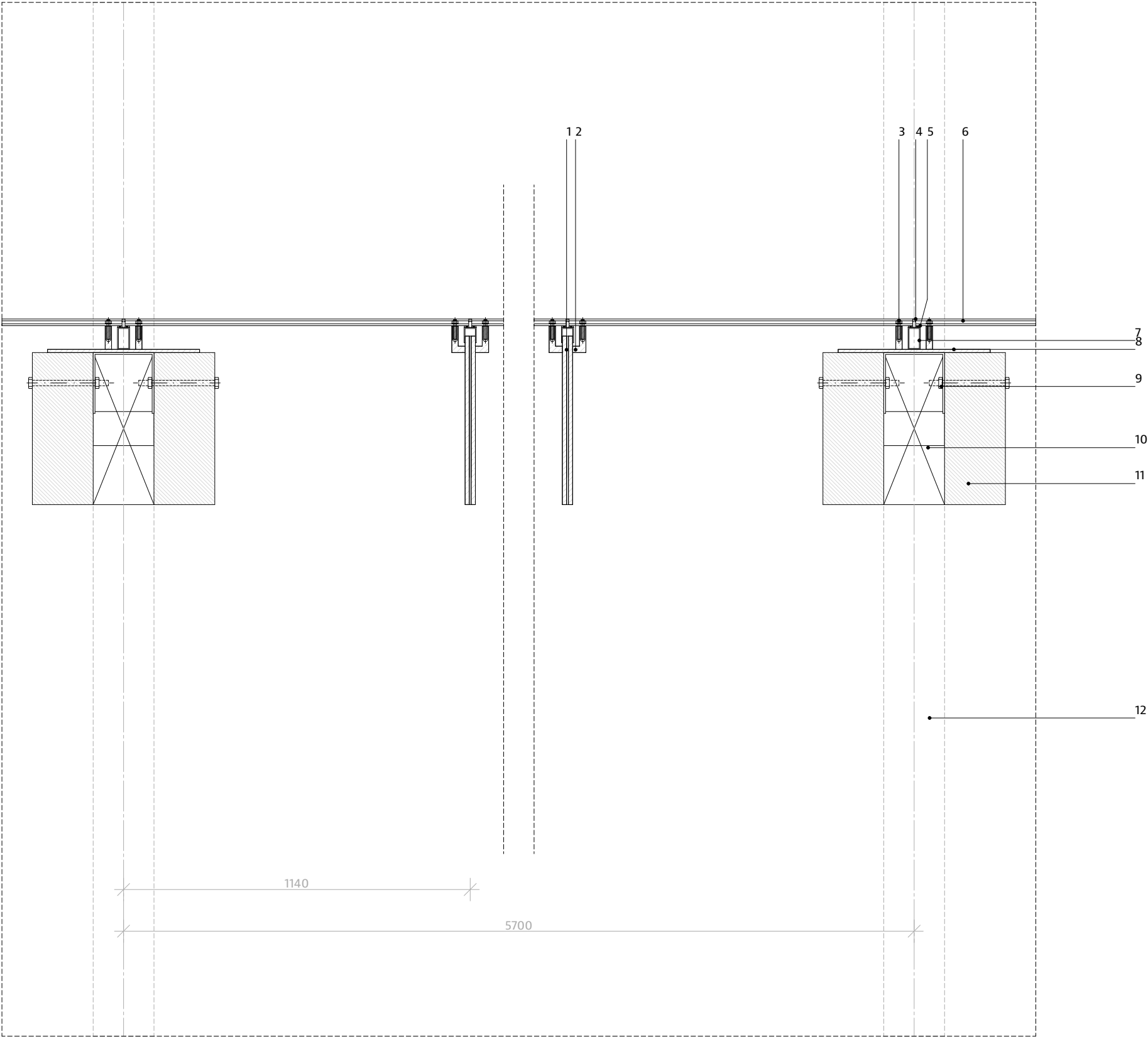




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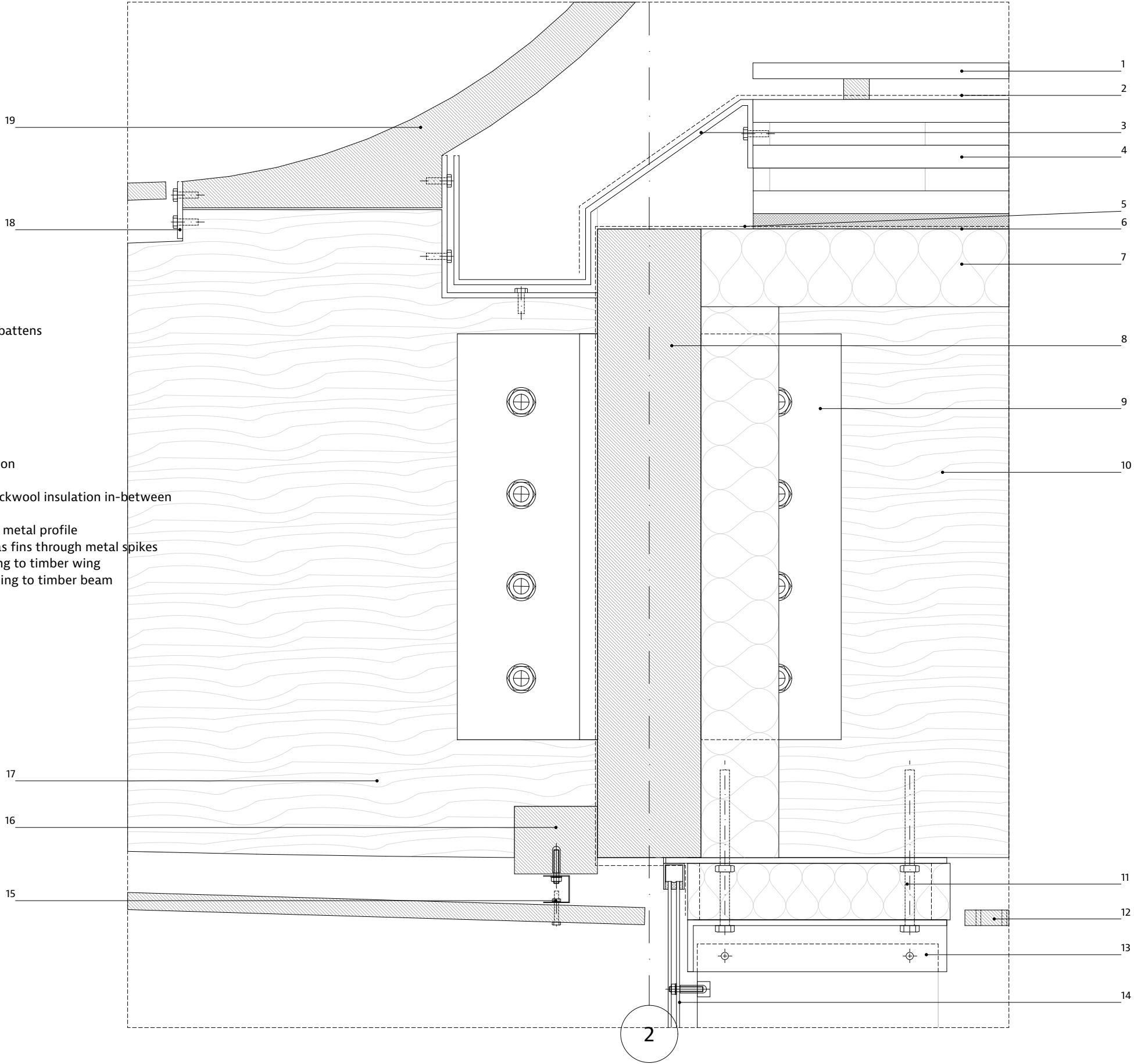


HORIZONTAL POINT DETAIL 1:10 ON A2
FACADE (-1 BASEMENT LEVEL)

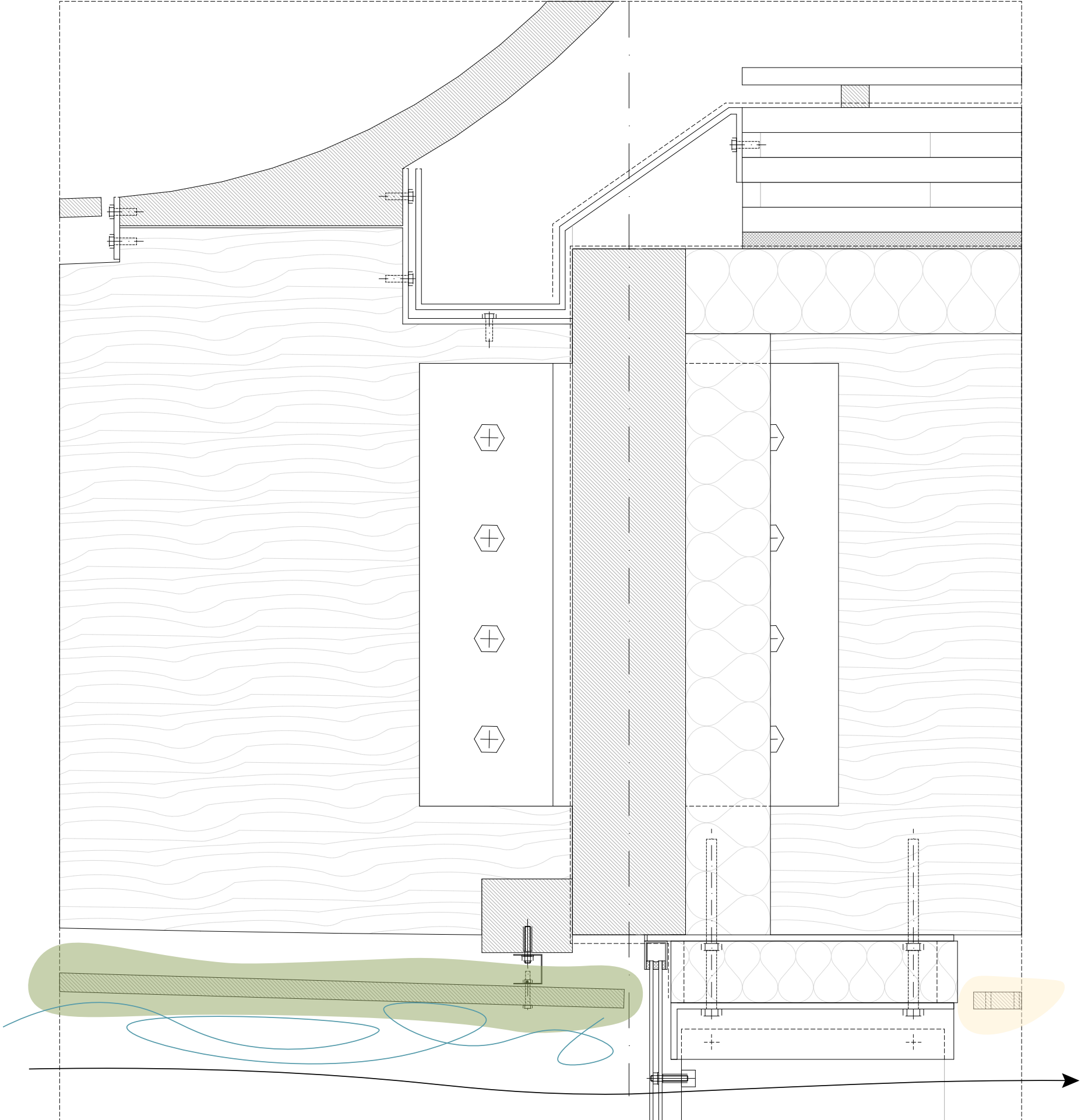


VERTICAL POINT DETAIL 1:5 ON A2
FACADE TO DECK CONNECTION

- 1 anti slip composite terrace mounted on timber battens
- 2 membrane foil 1 mm
- 3 metal drain gutter
- 4 5-layer CLT slab 220 mm
- 5 membrane foil 1 mm
- 6 vibration proof hard foam
- 7 rockwool insulation pinned on CLT slab 150 mm
- 8 laminated timber beam 1200 x 200 mm
- 9 metal L-profile to bold beams in grid construction
- 10 laminated timber beam 1200 x 200 mm
- 11 metal profile mounted to timber beam with rockwool insulation in-between
- 12 perforated timber ceiling plate
- 13 knife plate to connect constructive glass fin to metal profile
- 14 frameless glazing mounted on constructive glas fins through metal spikes
- 15 metal U-profile to mount outdoor timber ceiling to timber wing
- 16 timber support battens to connect plate finishing to timber beam
- 17 laminated timber overhang wing
- 18 metal connection plate
- 19 solid timber balustrade



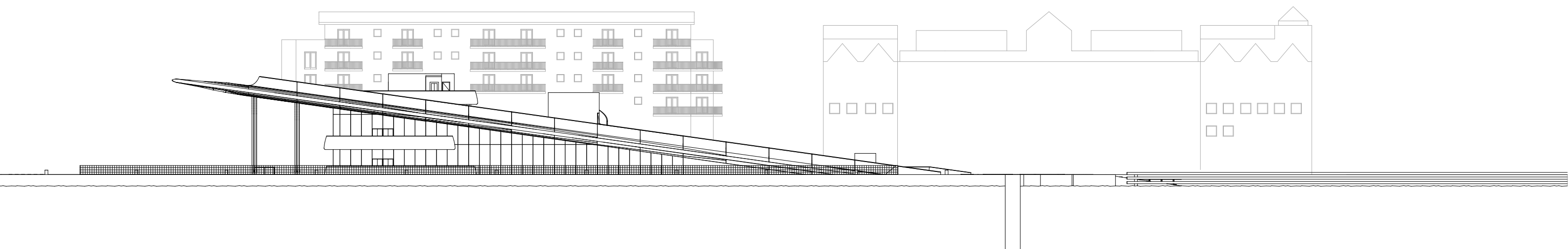
VERTICAL POINT DETAIL 1:5 ON A2
FACADE TO DECK CONNECTION

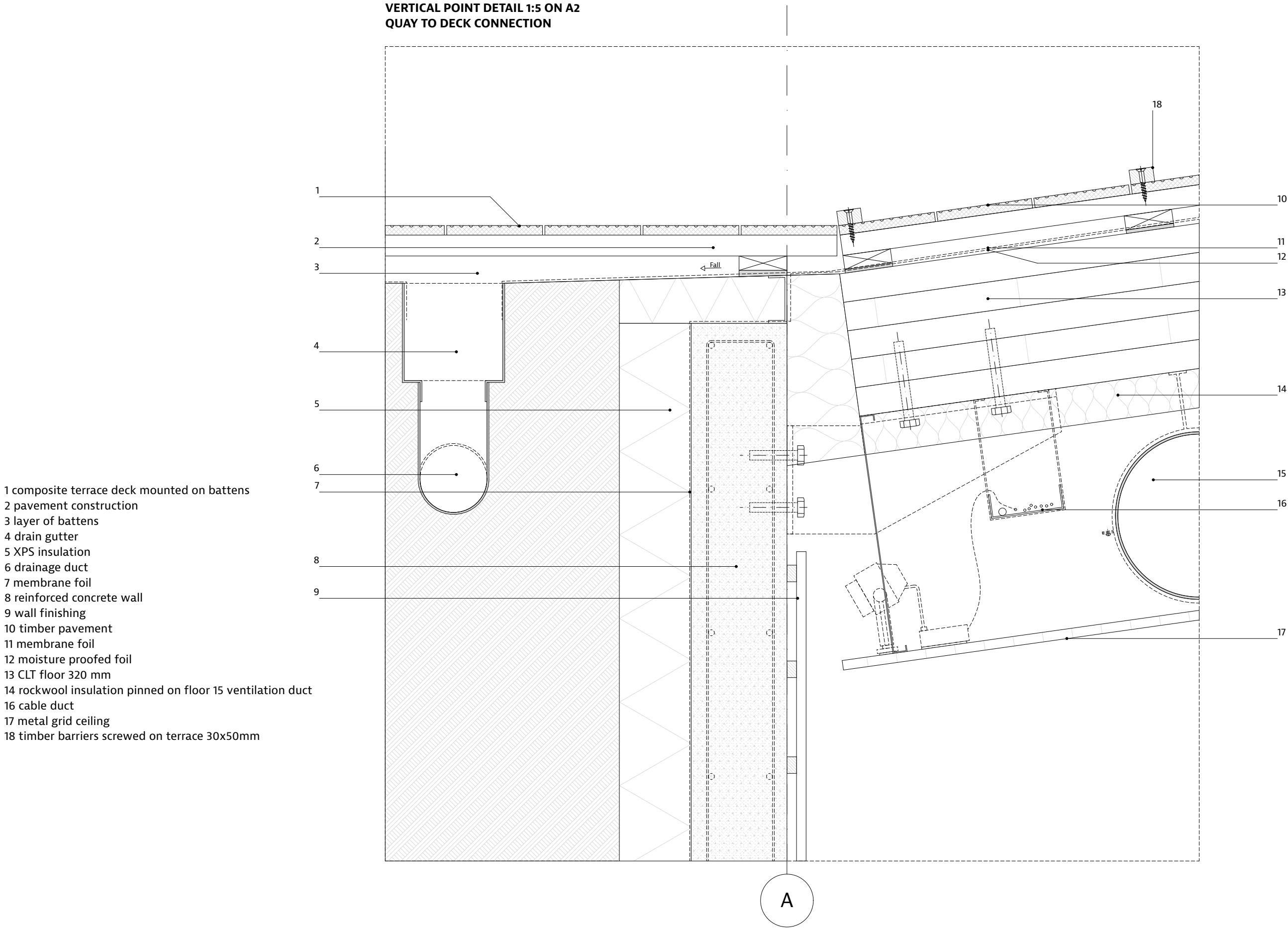




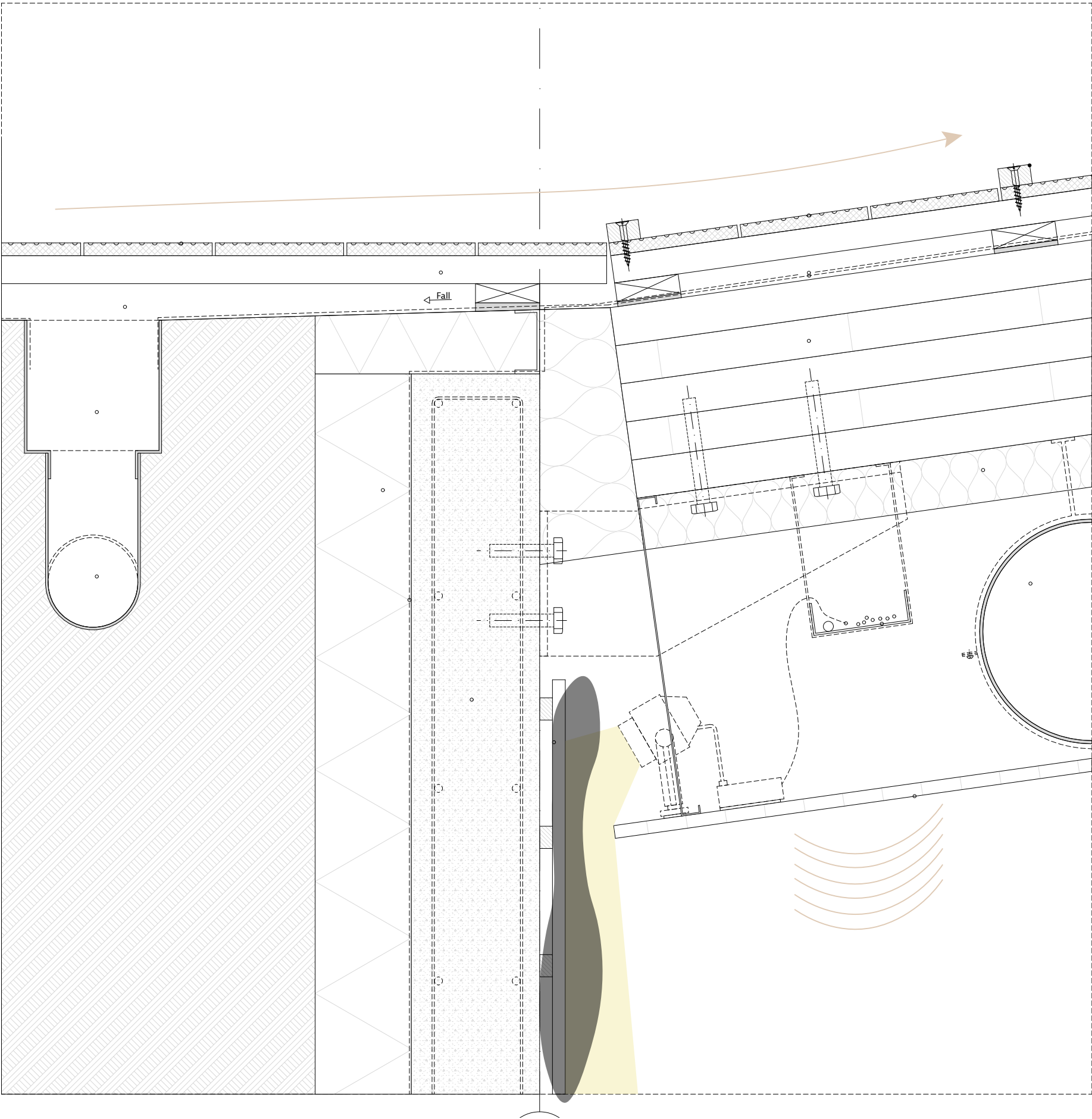
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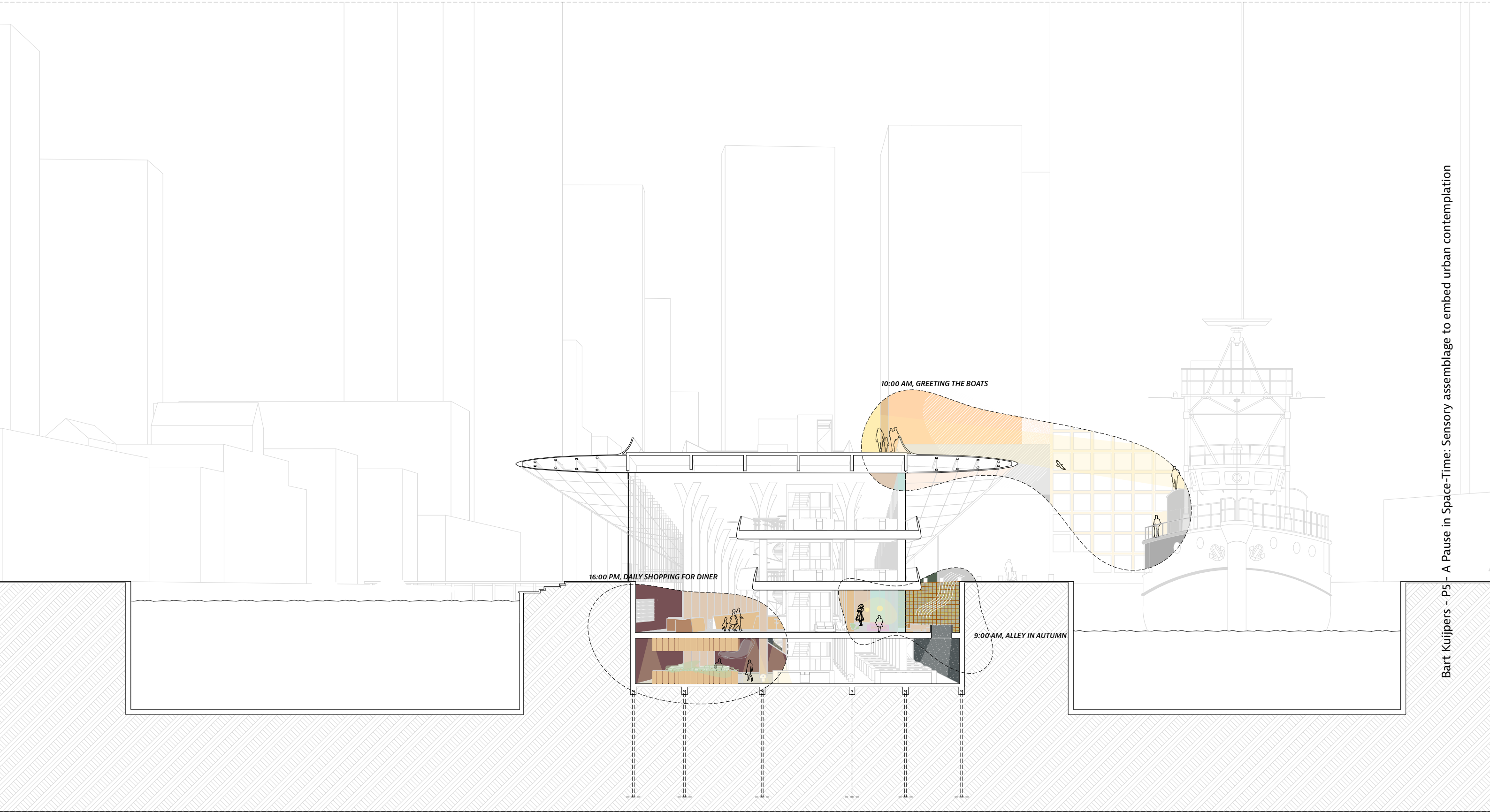
NORTH ELEVATION



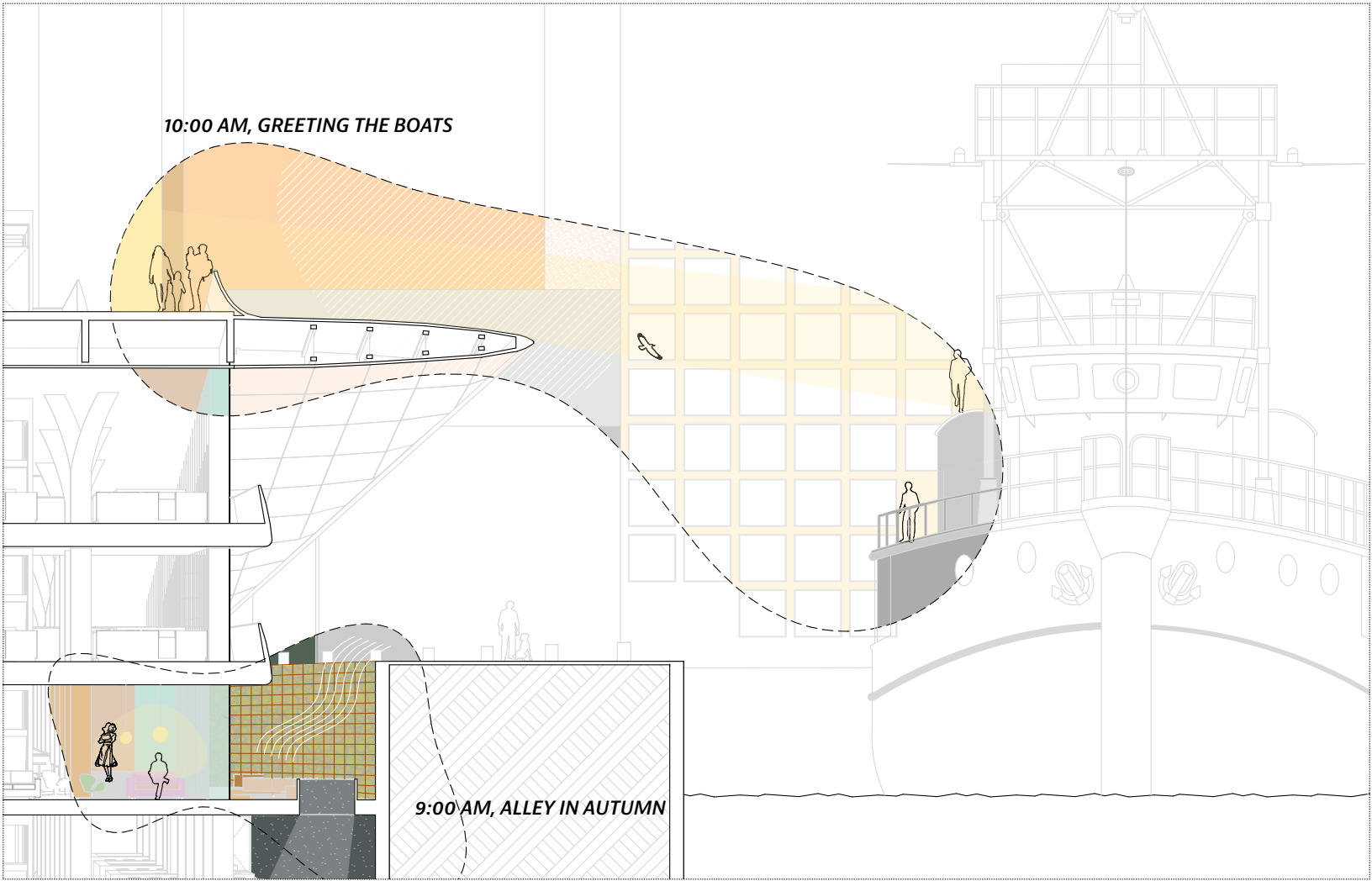


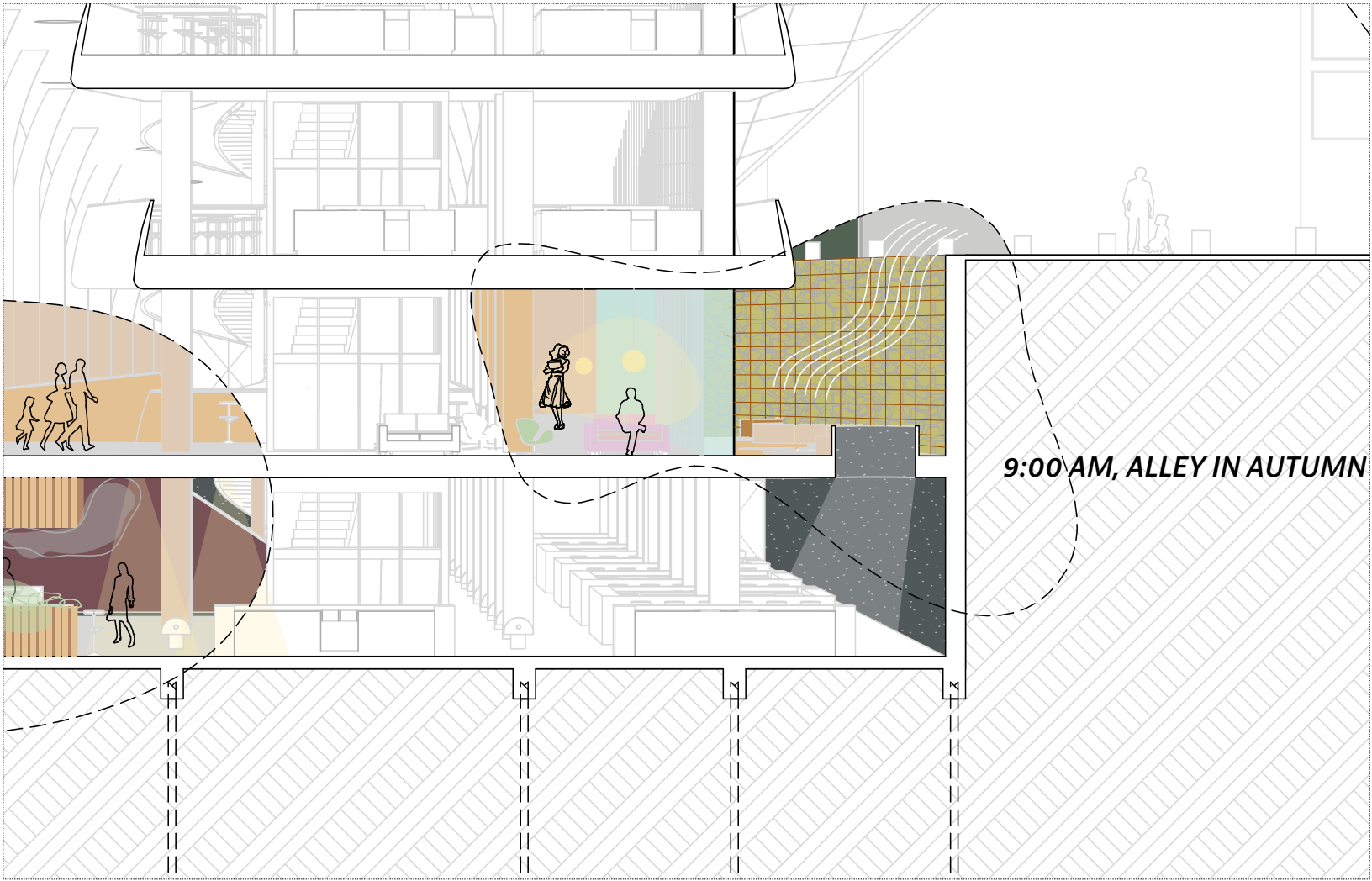
VERTICAL POINT DETAIL 1:5 ON A2
QUAY TO DECK CONNECTION

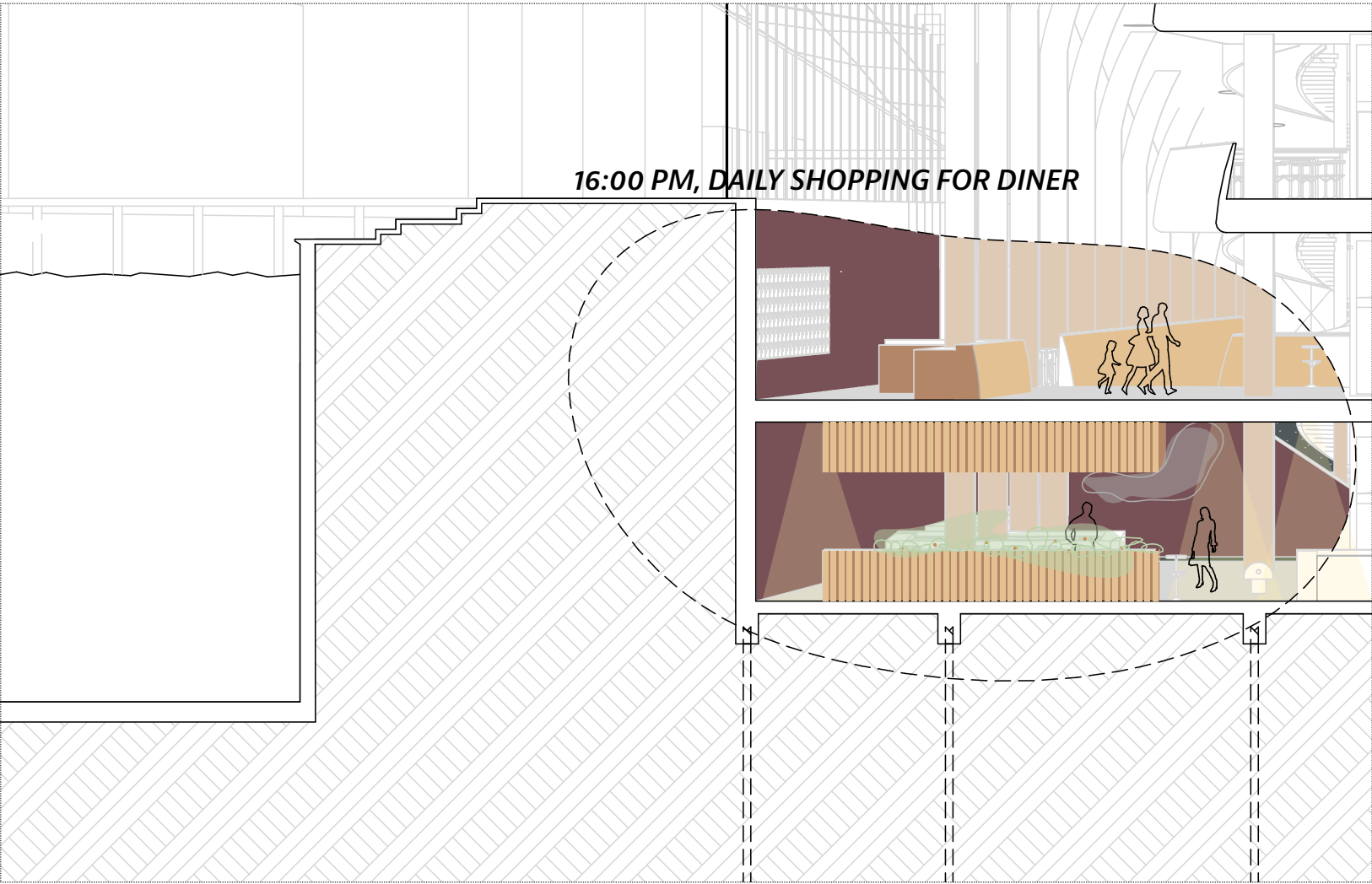


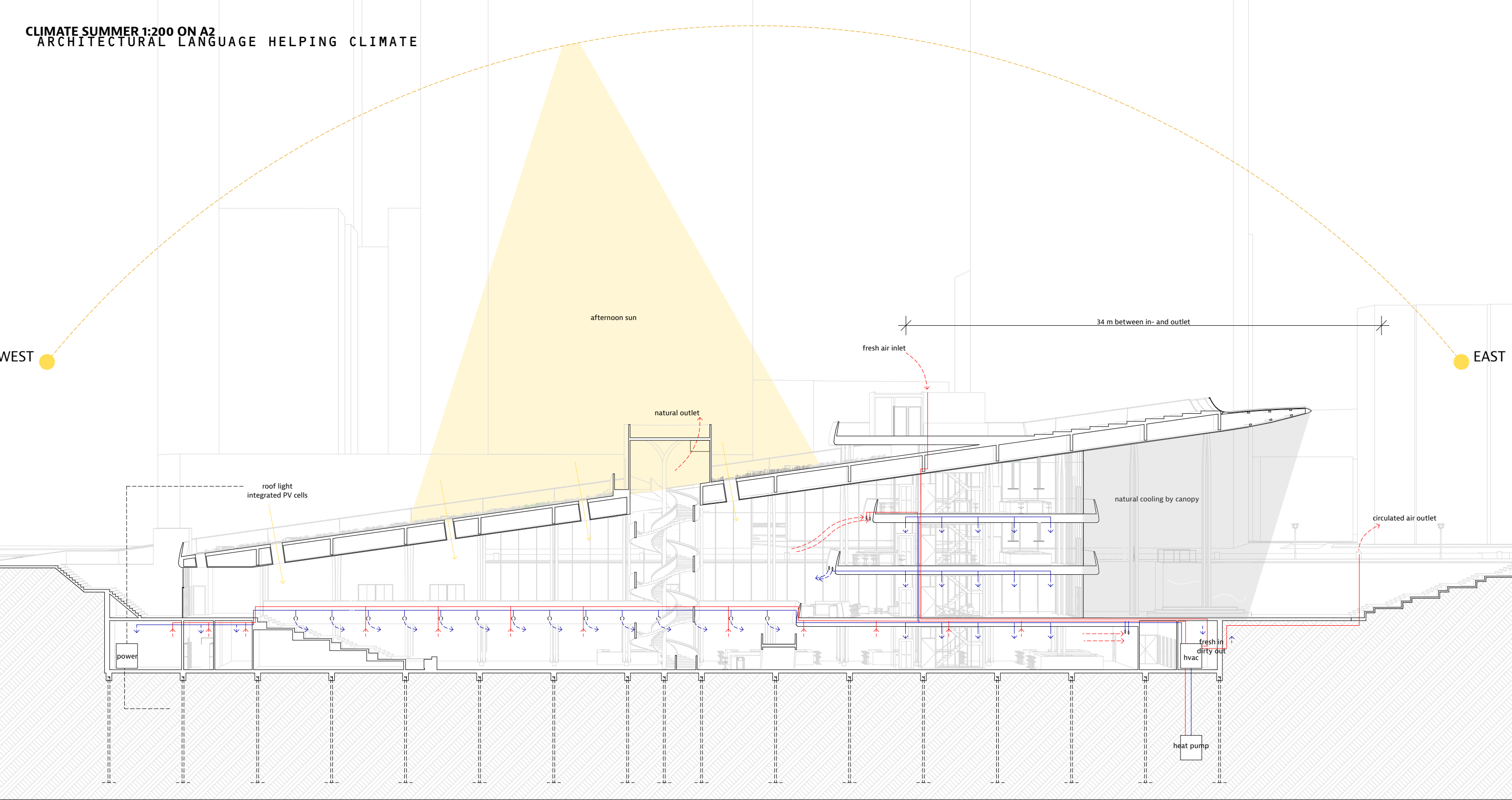


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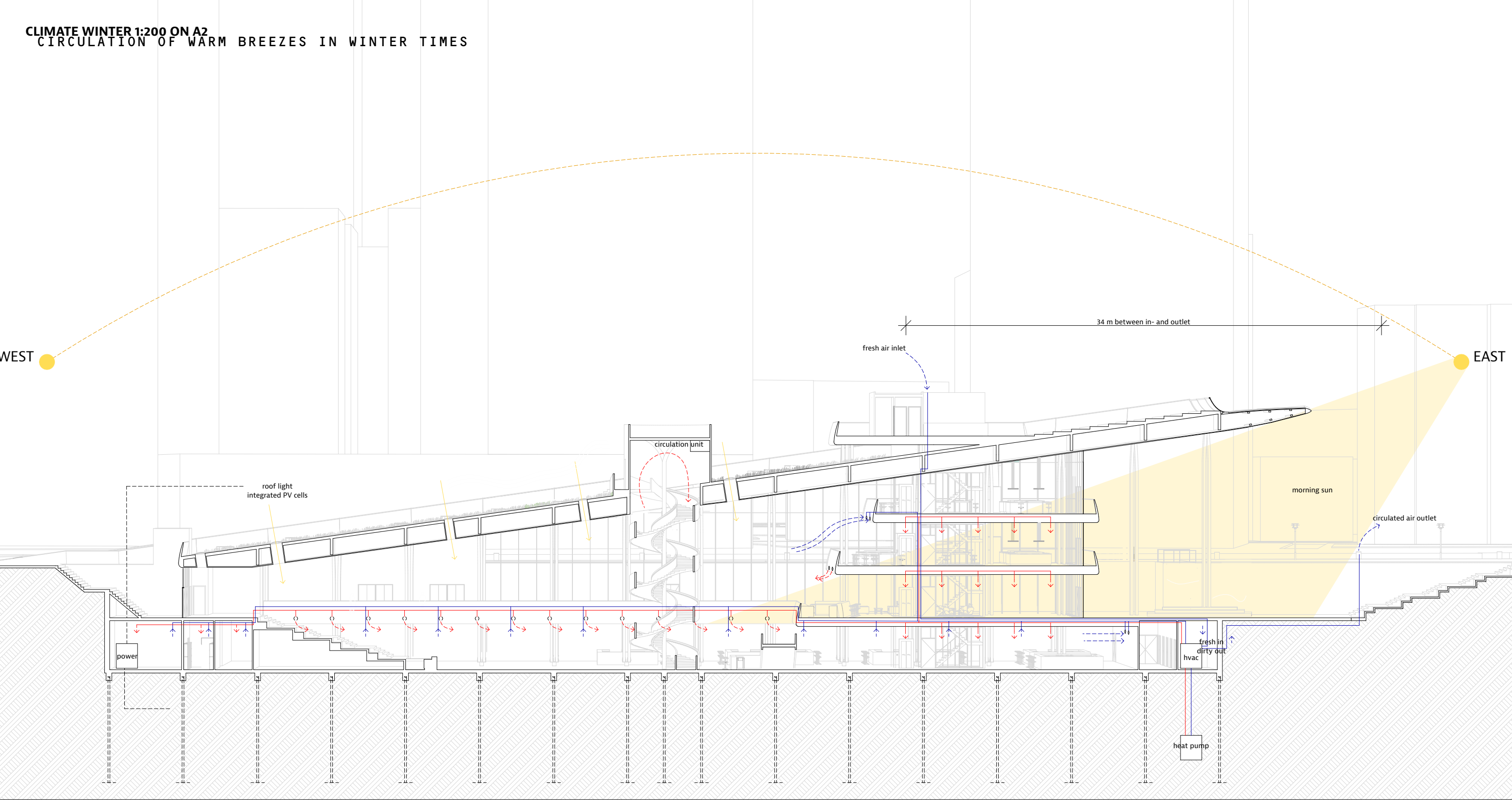






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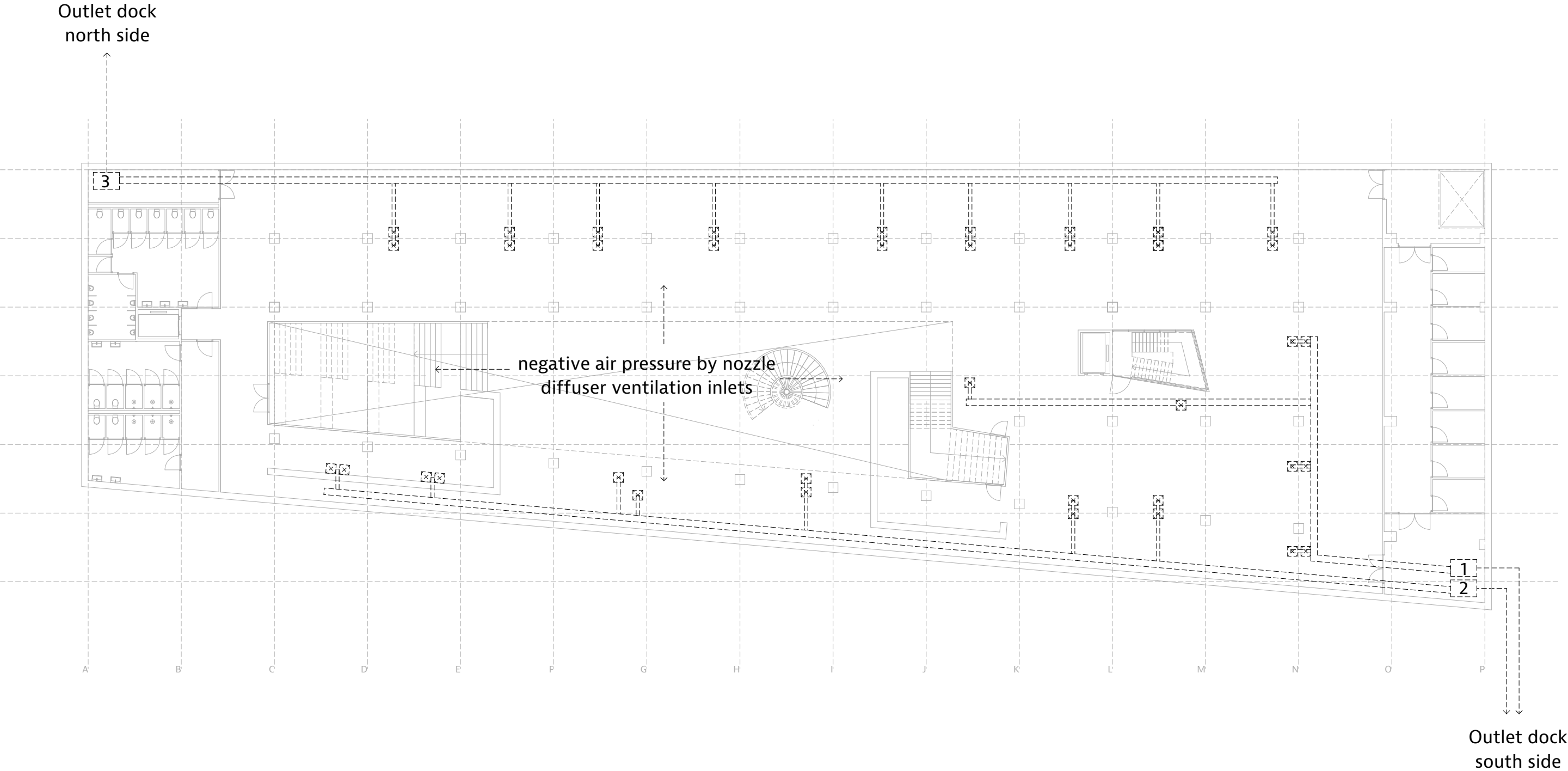
CLIMATE WINTER 1:200 ON A2
CIRCULATION OF WARM BREEZES IN WINTER TIMES

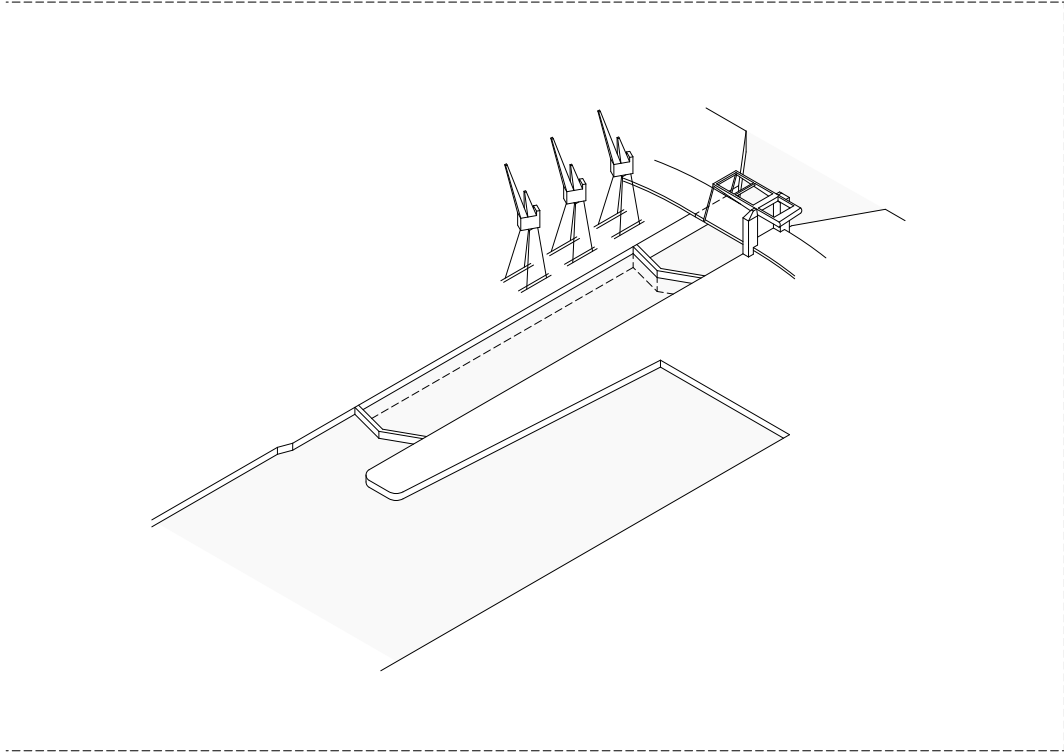


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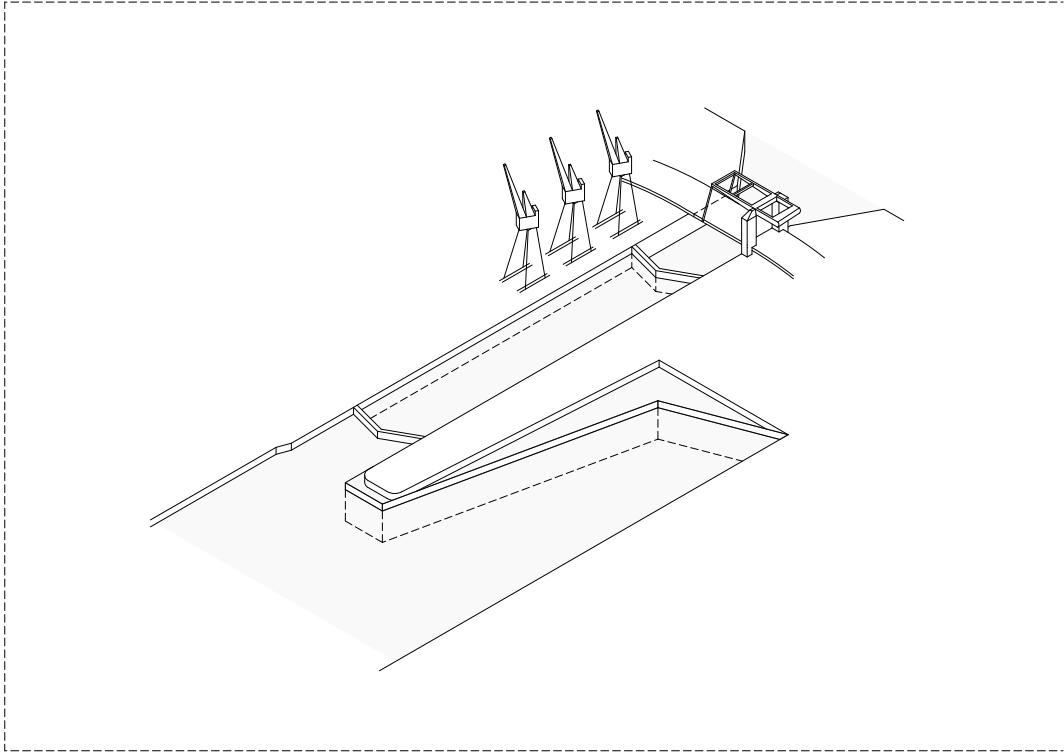
EXTRACTOR HOOD PLAN 1:200 ON A2

DRAWING EXCESS COOKING CONTAMINANTS OUT OF THE HALL

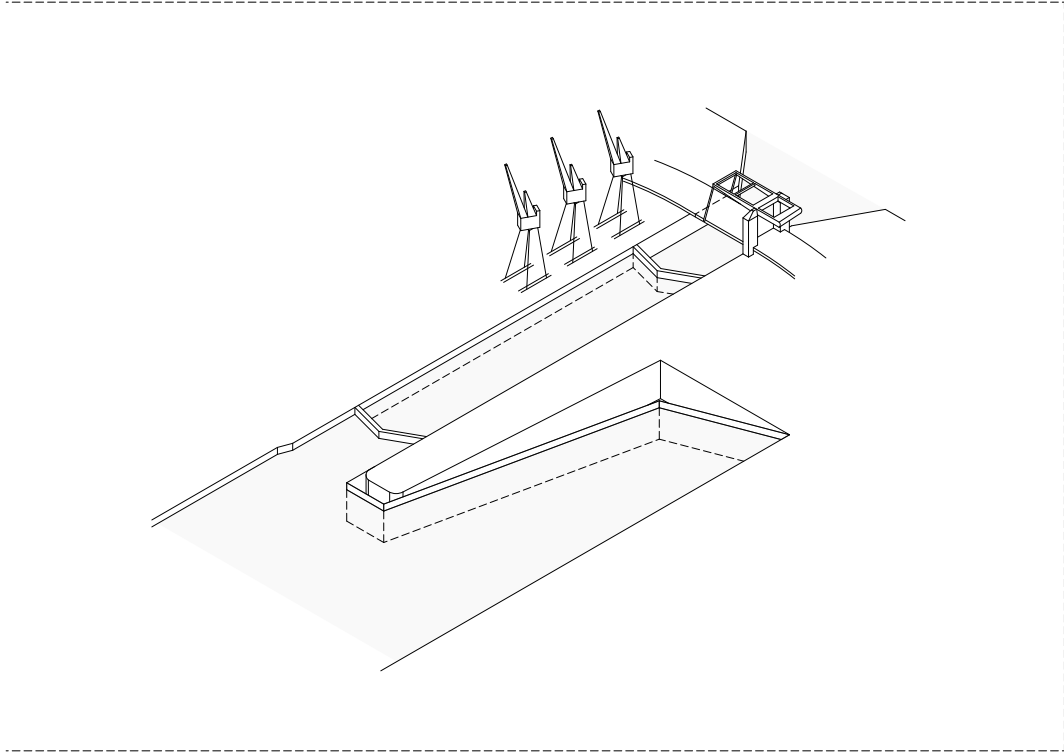




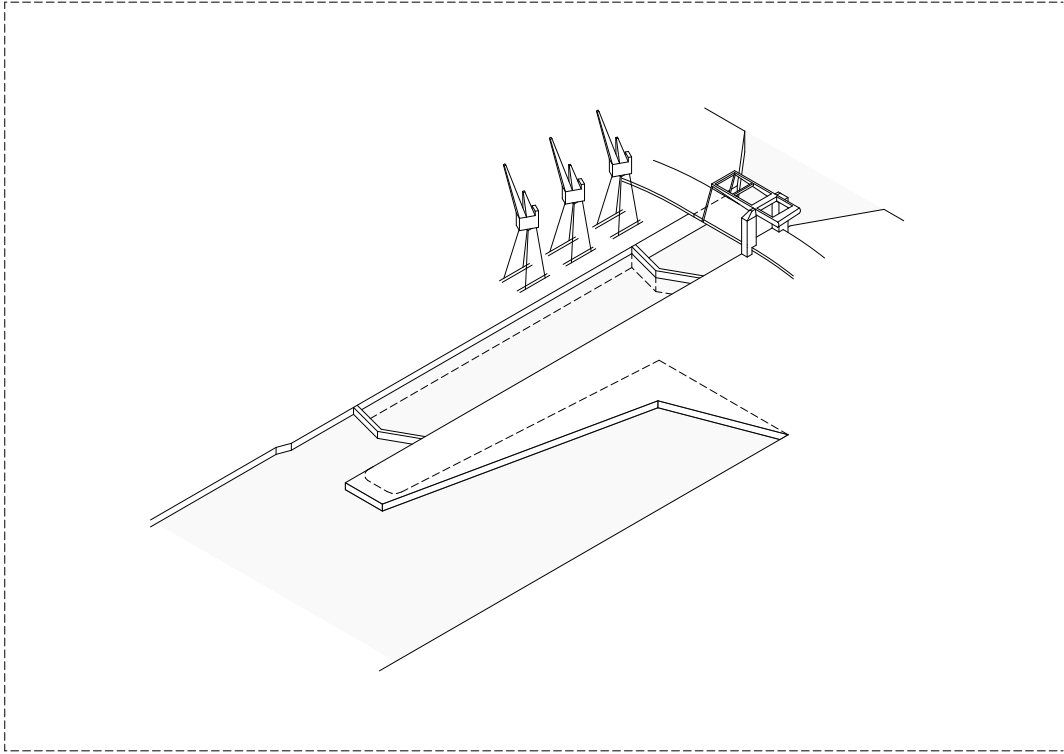
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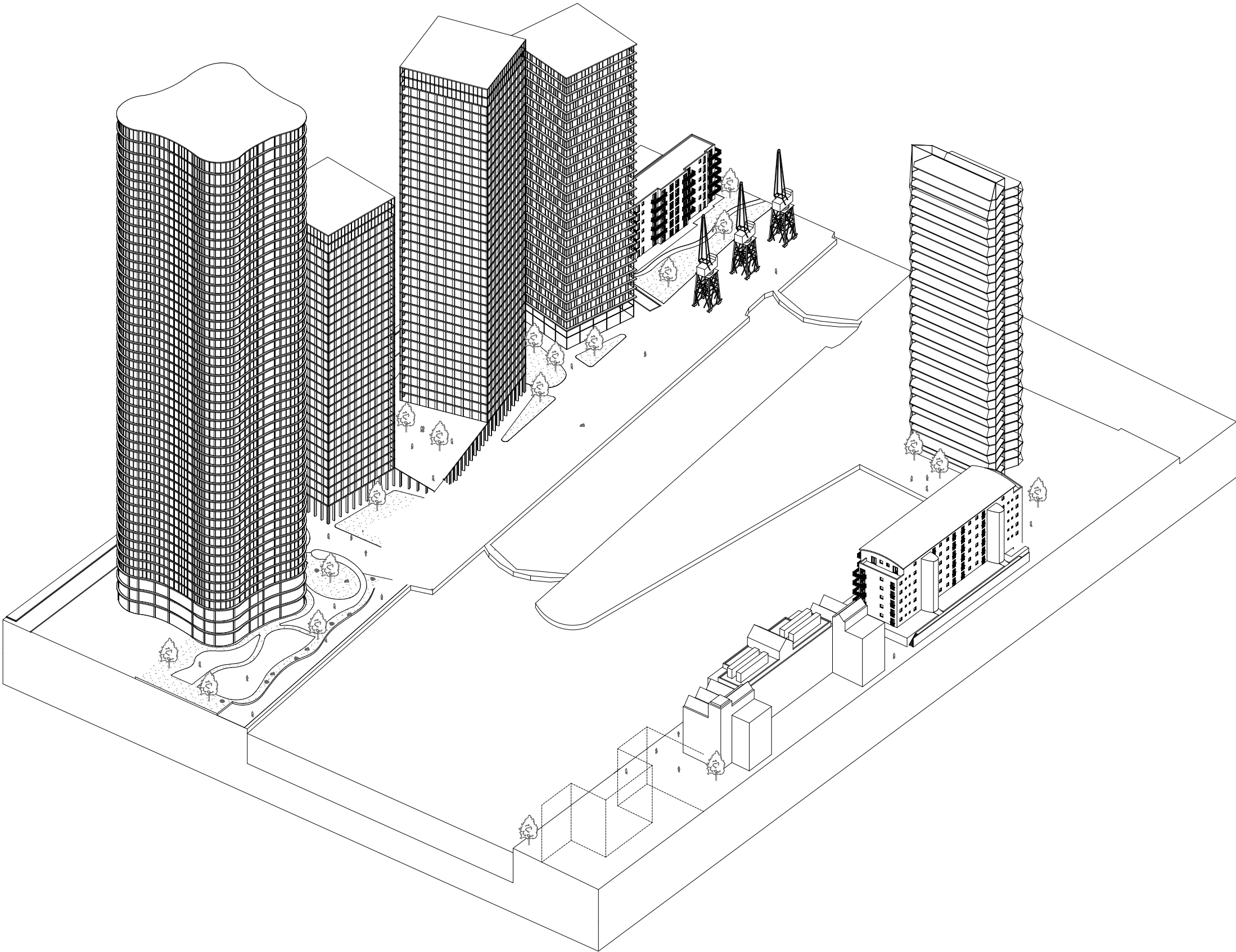
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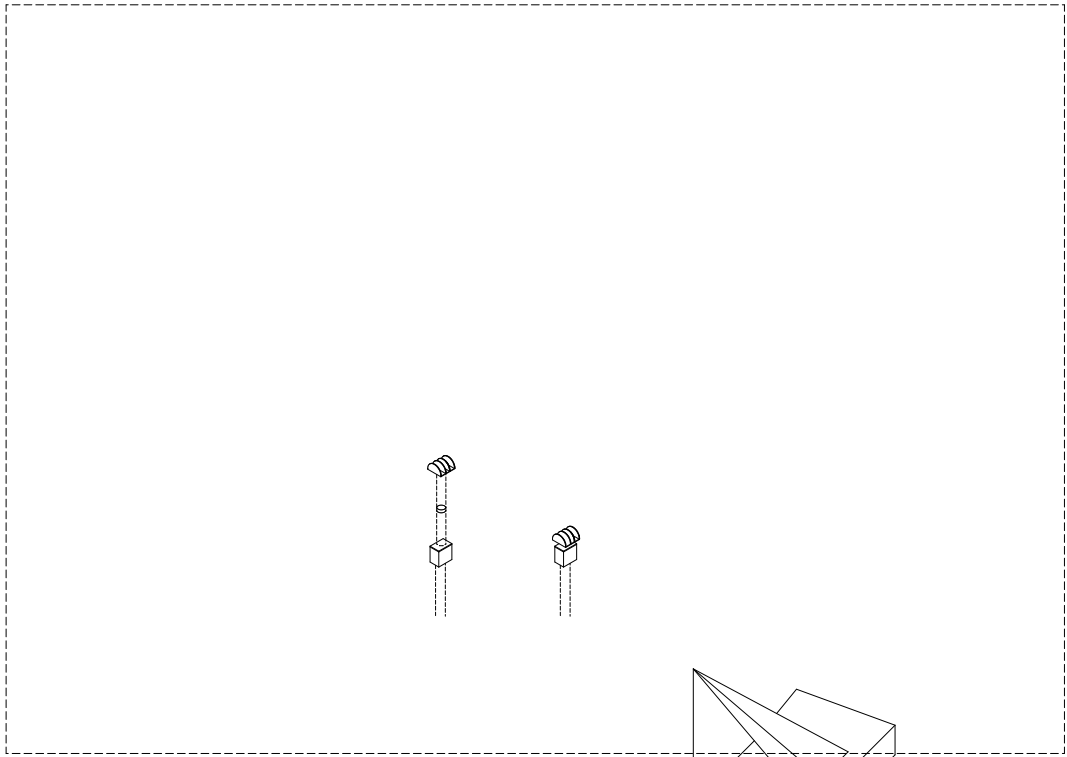
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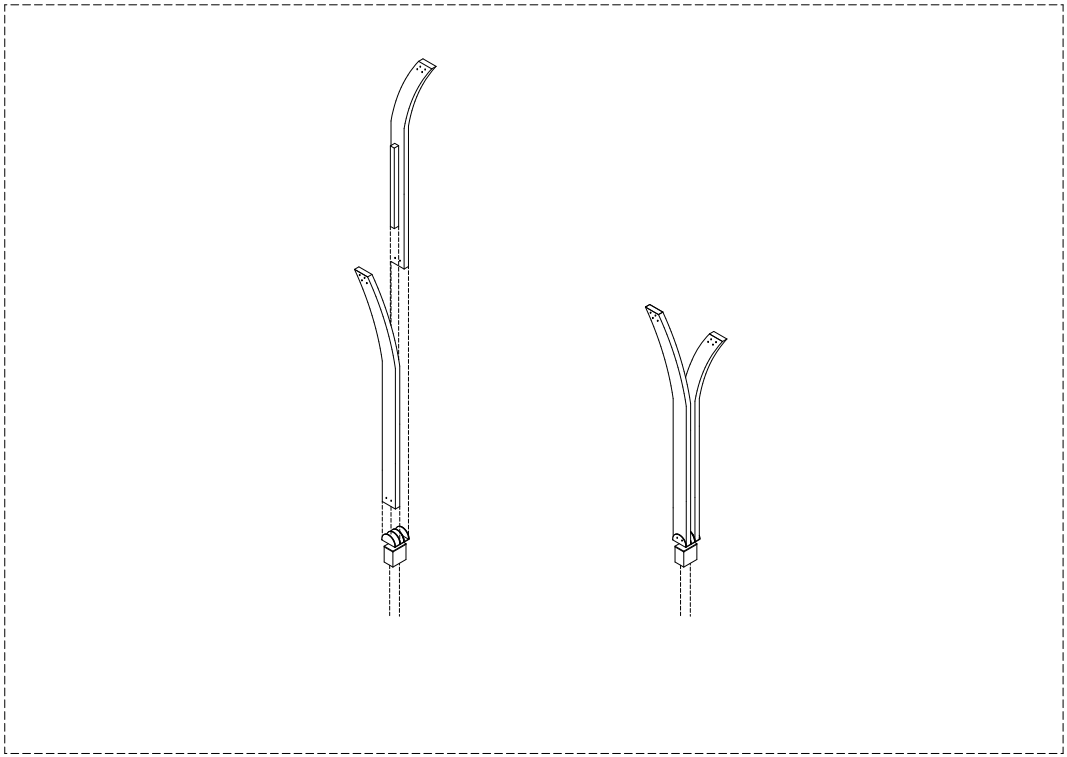
Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation



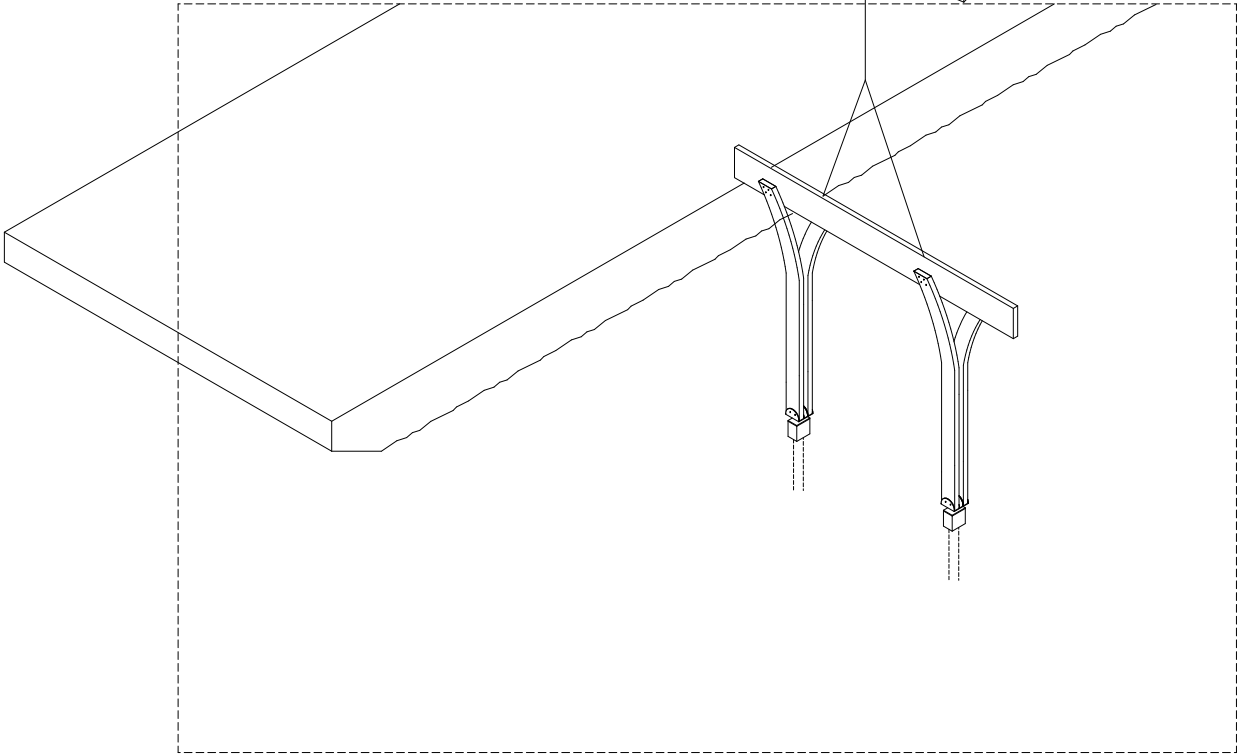
Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation



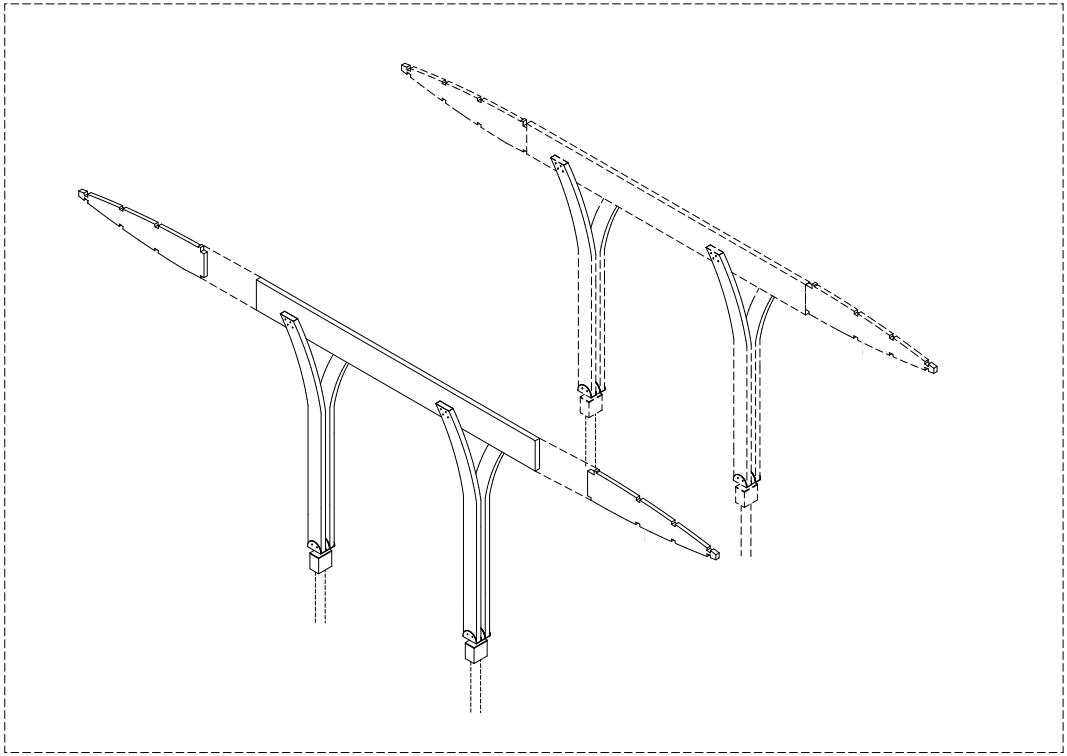
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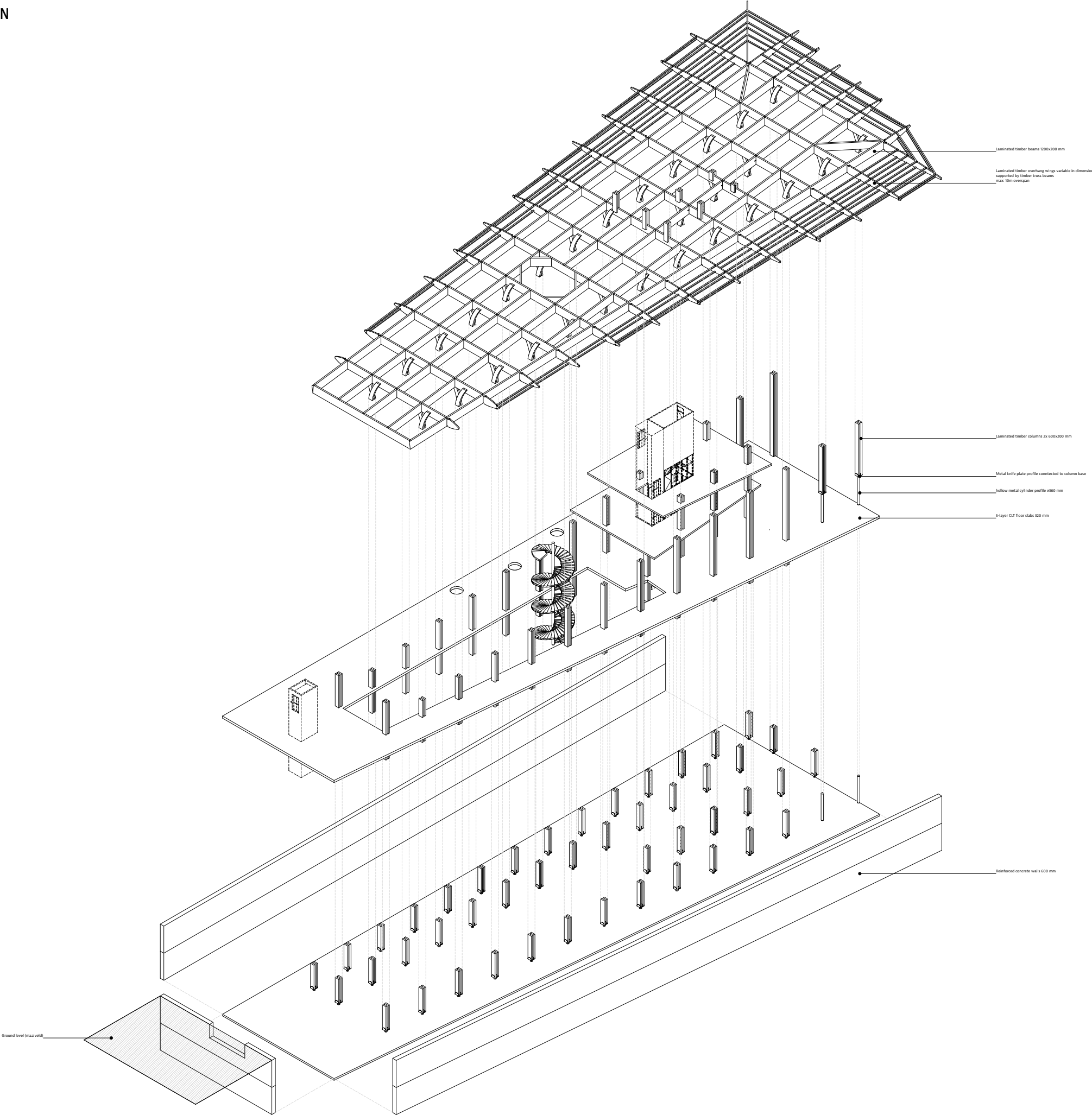
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4





Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation



Bart Kuijpers - P5 - A Pause in Space-Time: Sensory assemblage to embed urban contemplation