

# Storage & Restoration depot for archaeological artefacts

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*Constructing temporal territories on a post-human landscape*

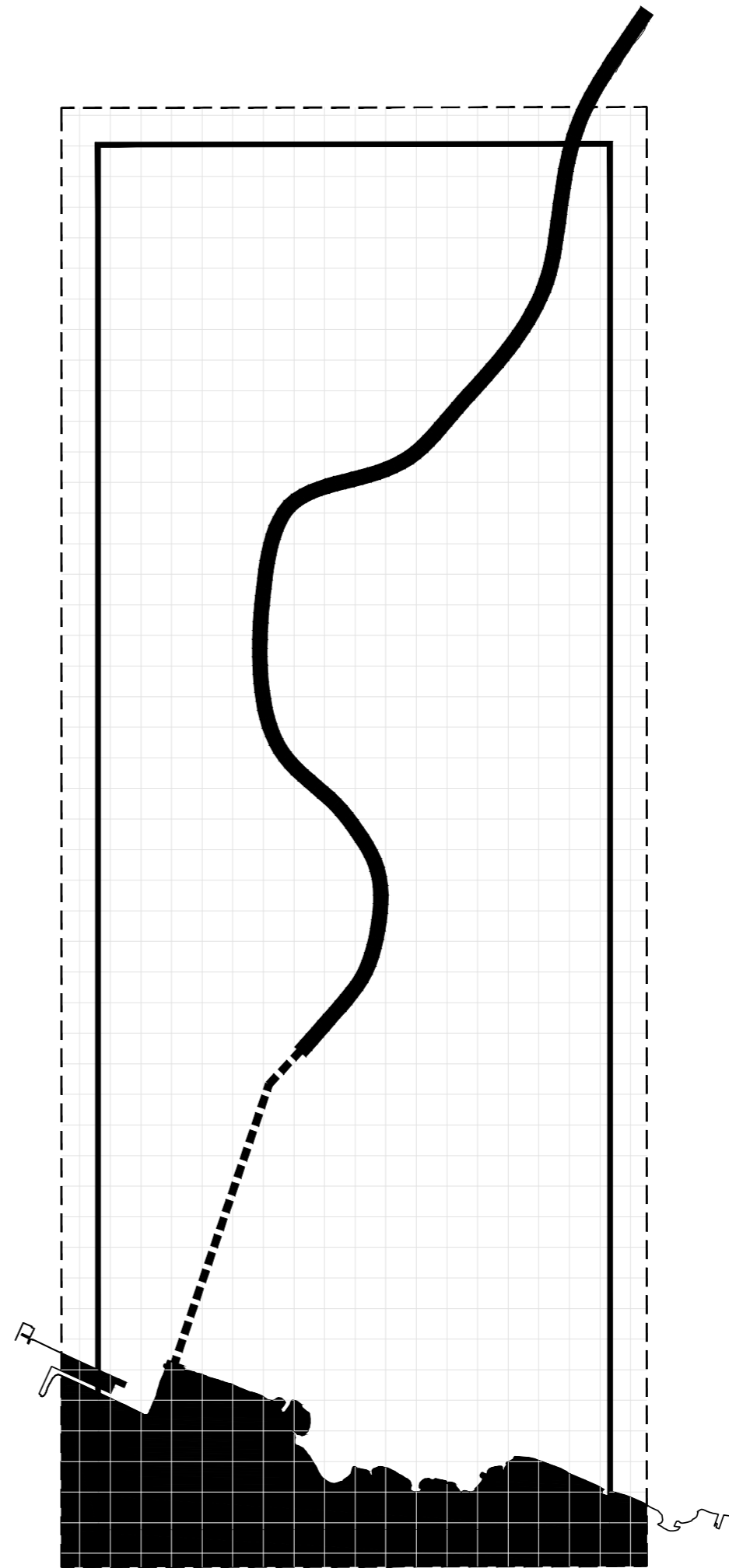
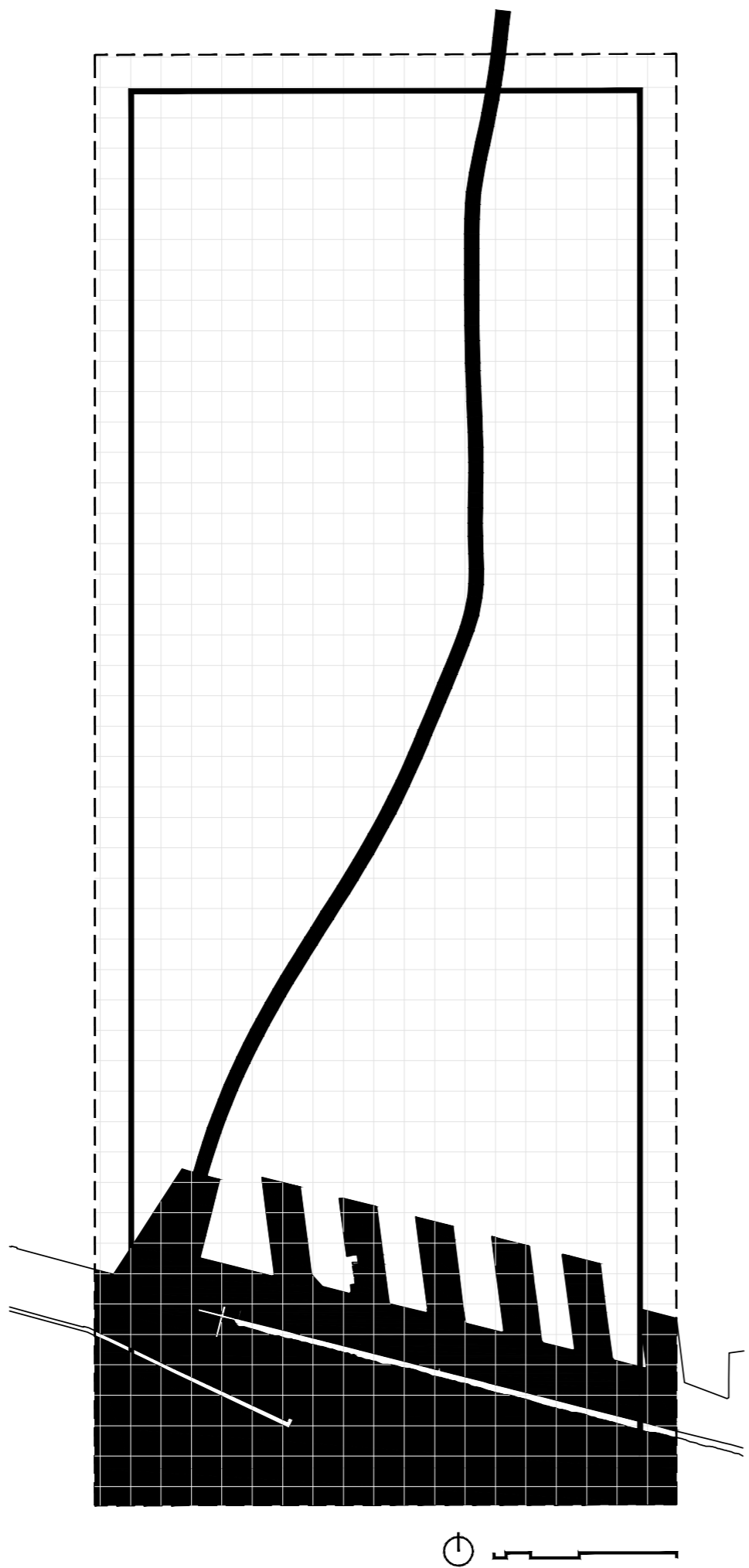
Public Building MSc3 Studio  
“Spaces of Accumulation” – Genoa

**Tutors:** Alper Semih Alkan, Gilbert Koskamp  
**Delegate examiner:** Pijpers-van Esch  
Friday 1st of June 2018  
**Papadogianni Eleni-Danai**

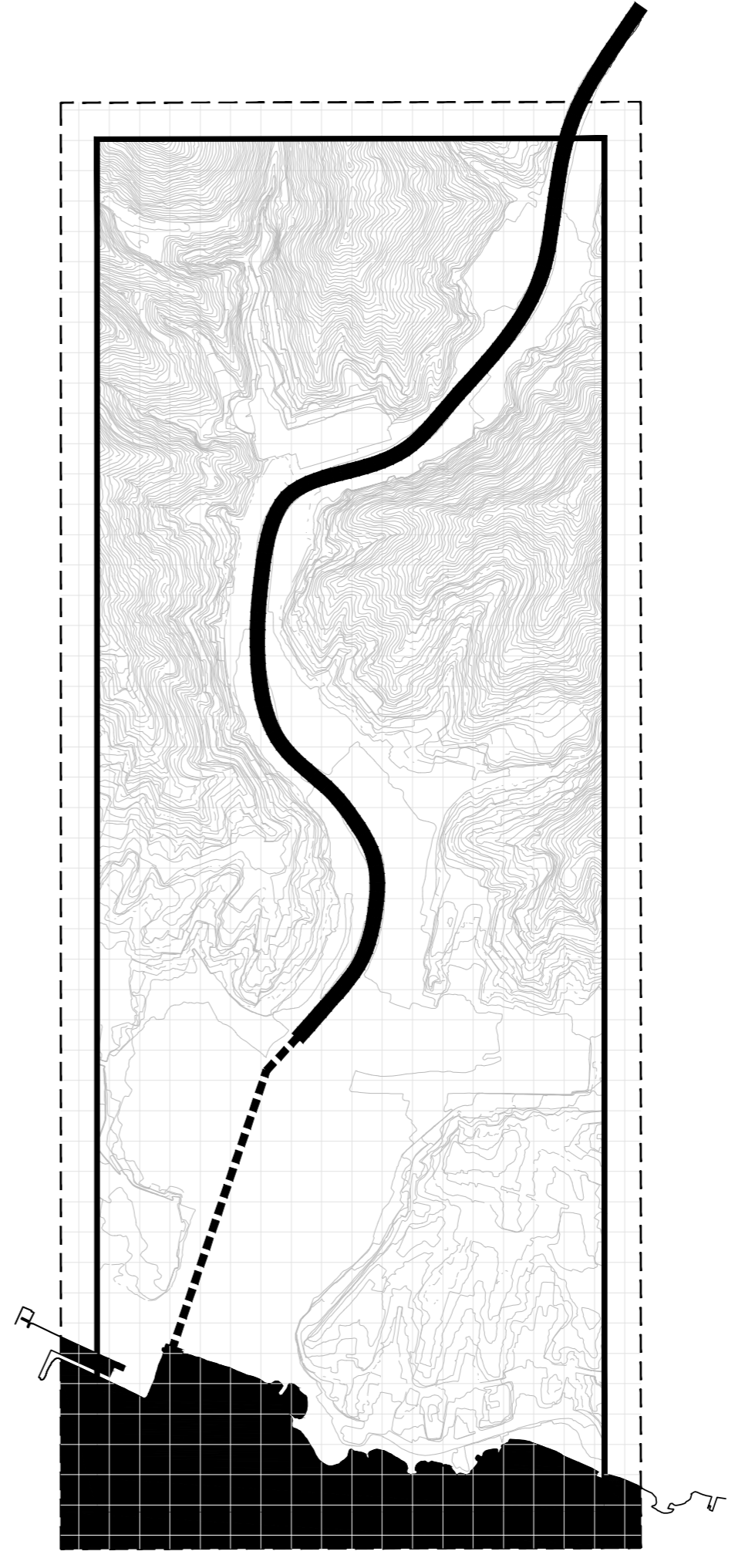
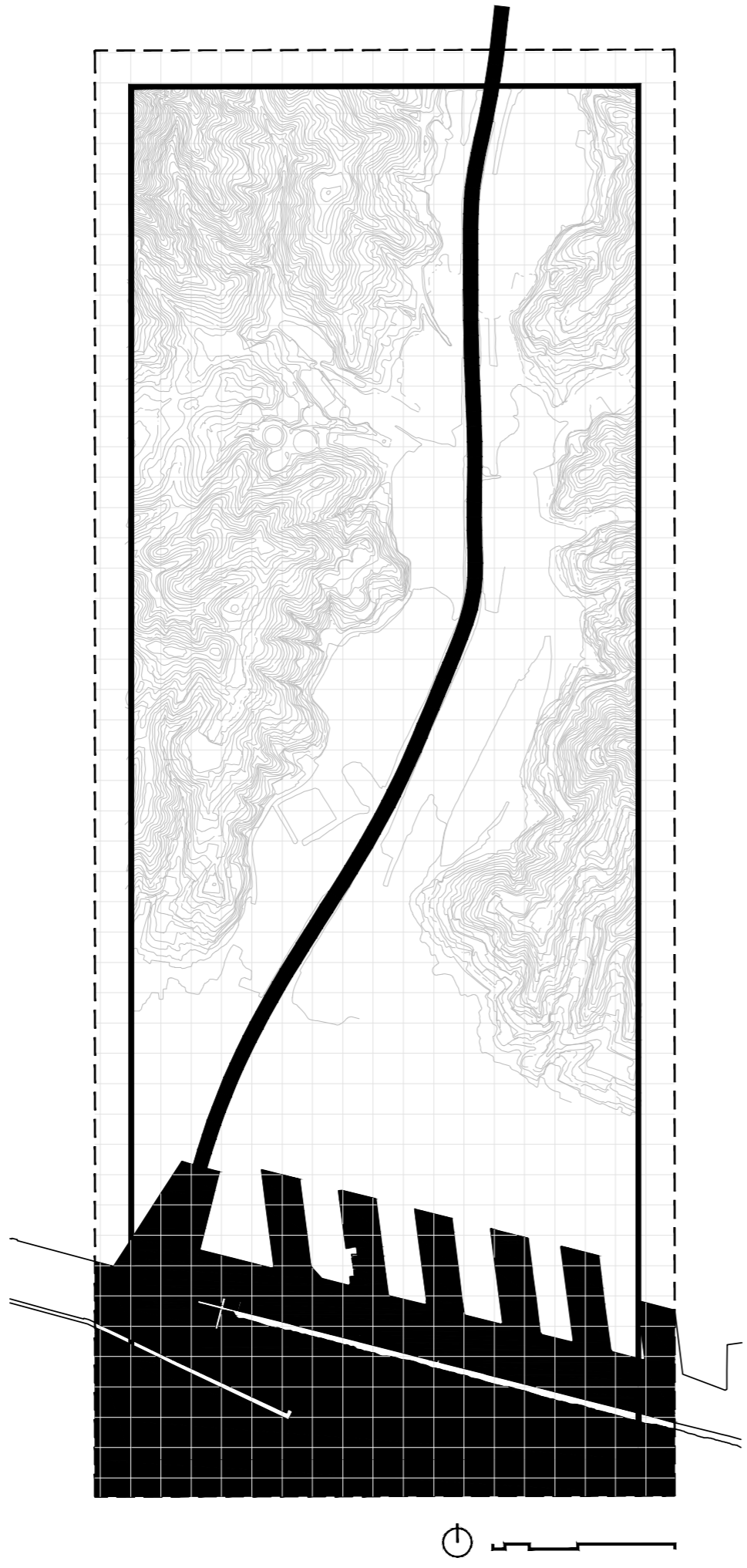
I // The site



West & East River Valleys  
Polcevera & Bisagno

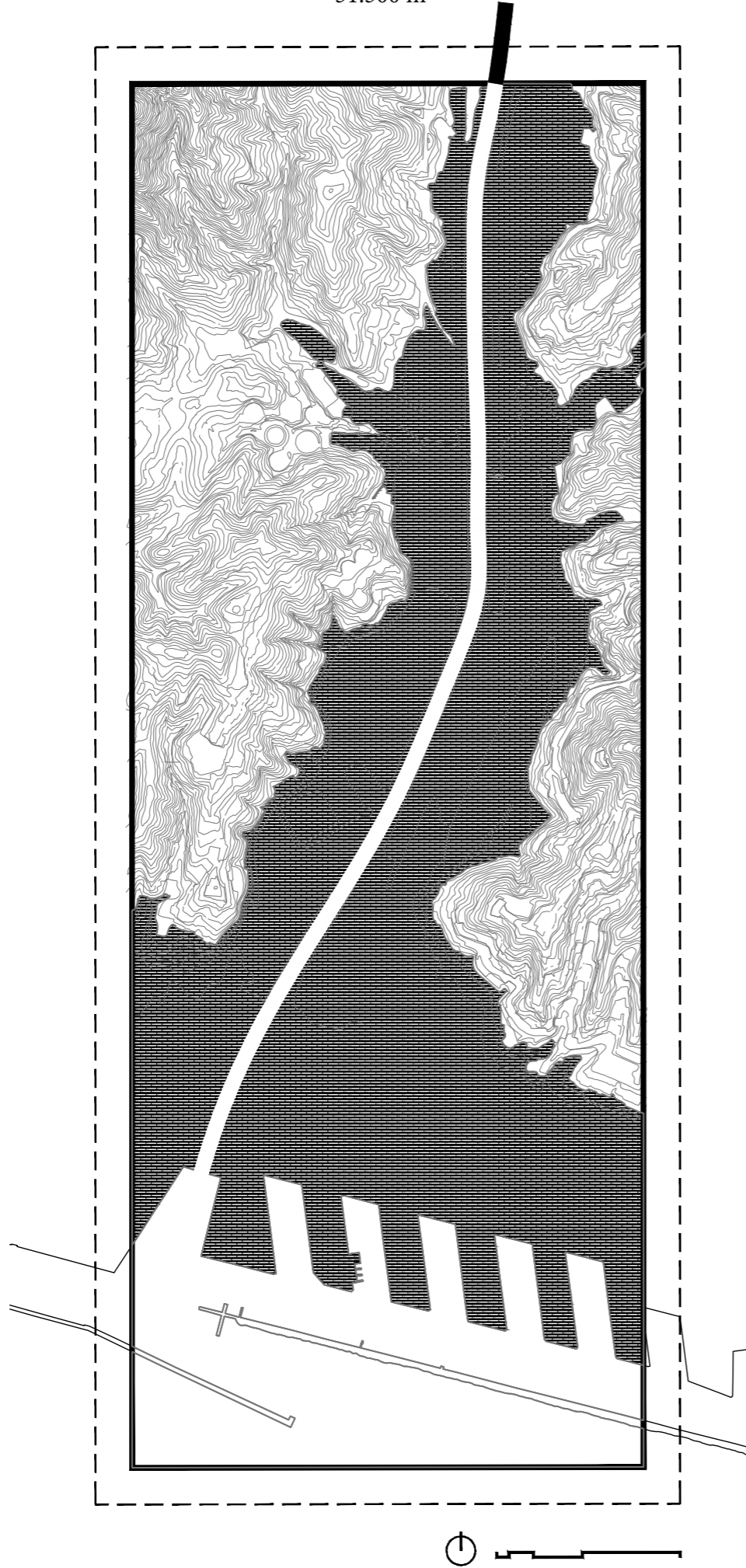


Topography

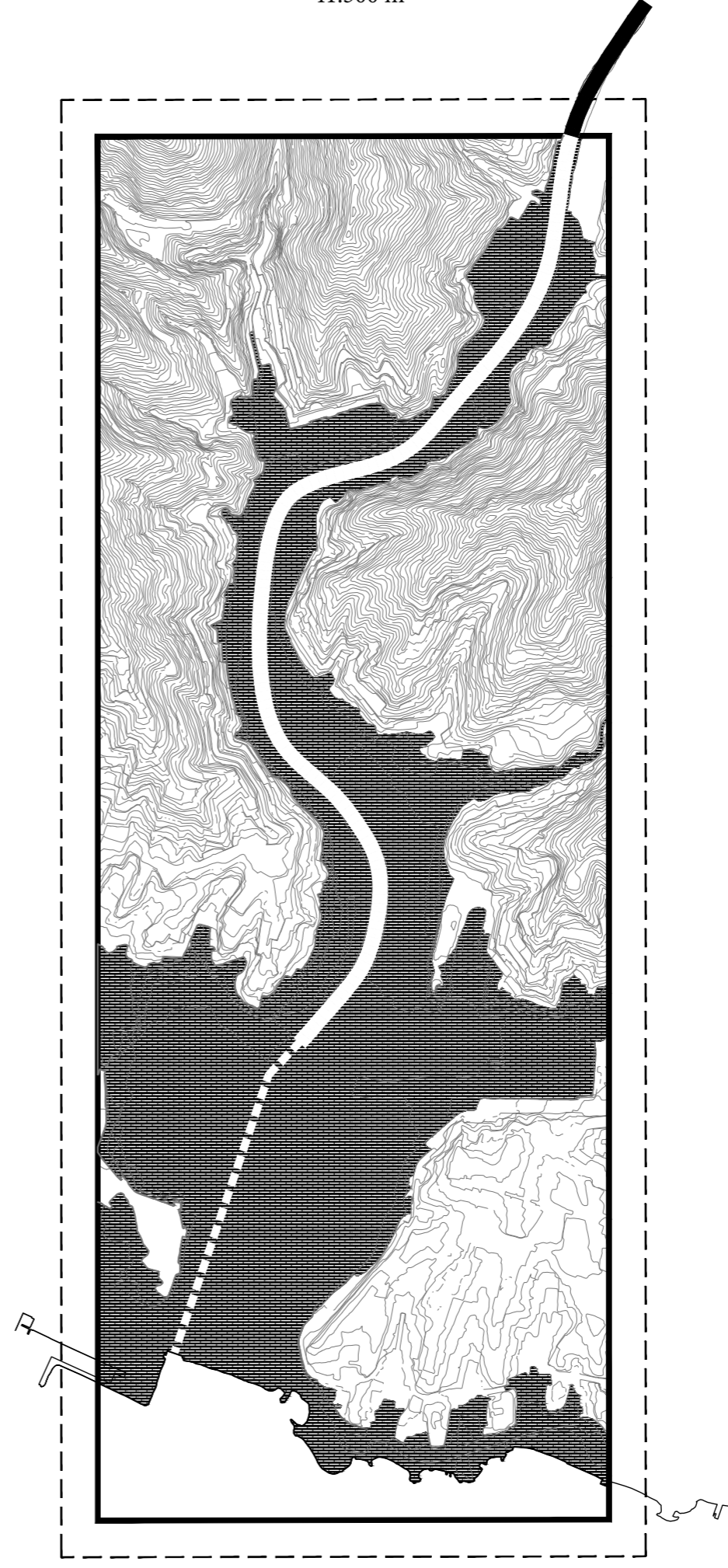


Land flattening

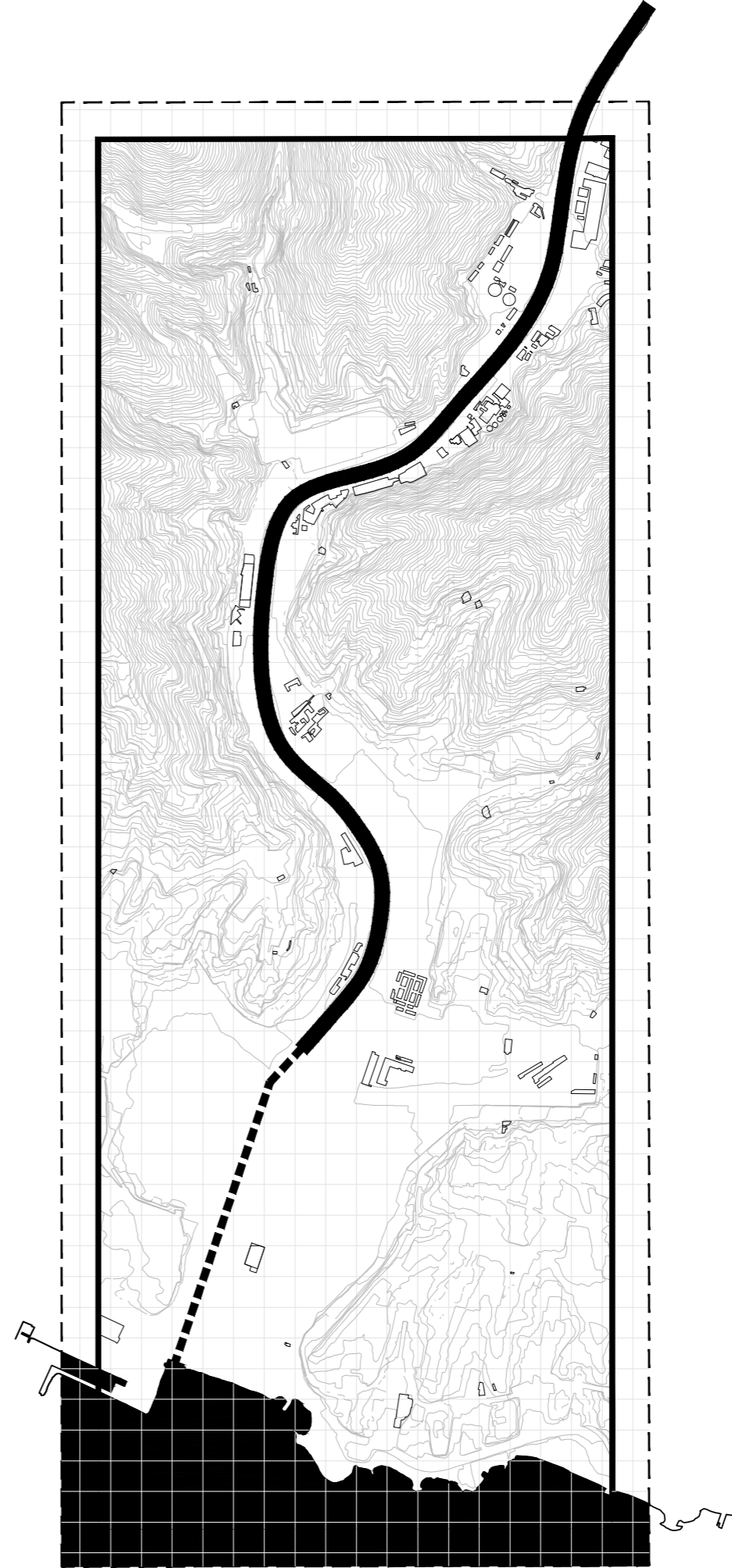
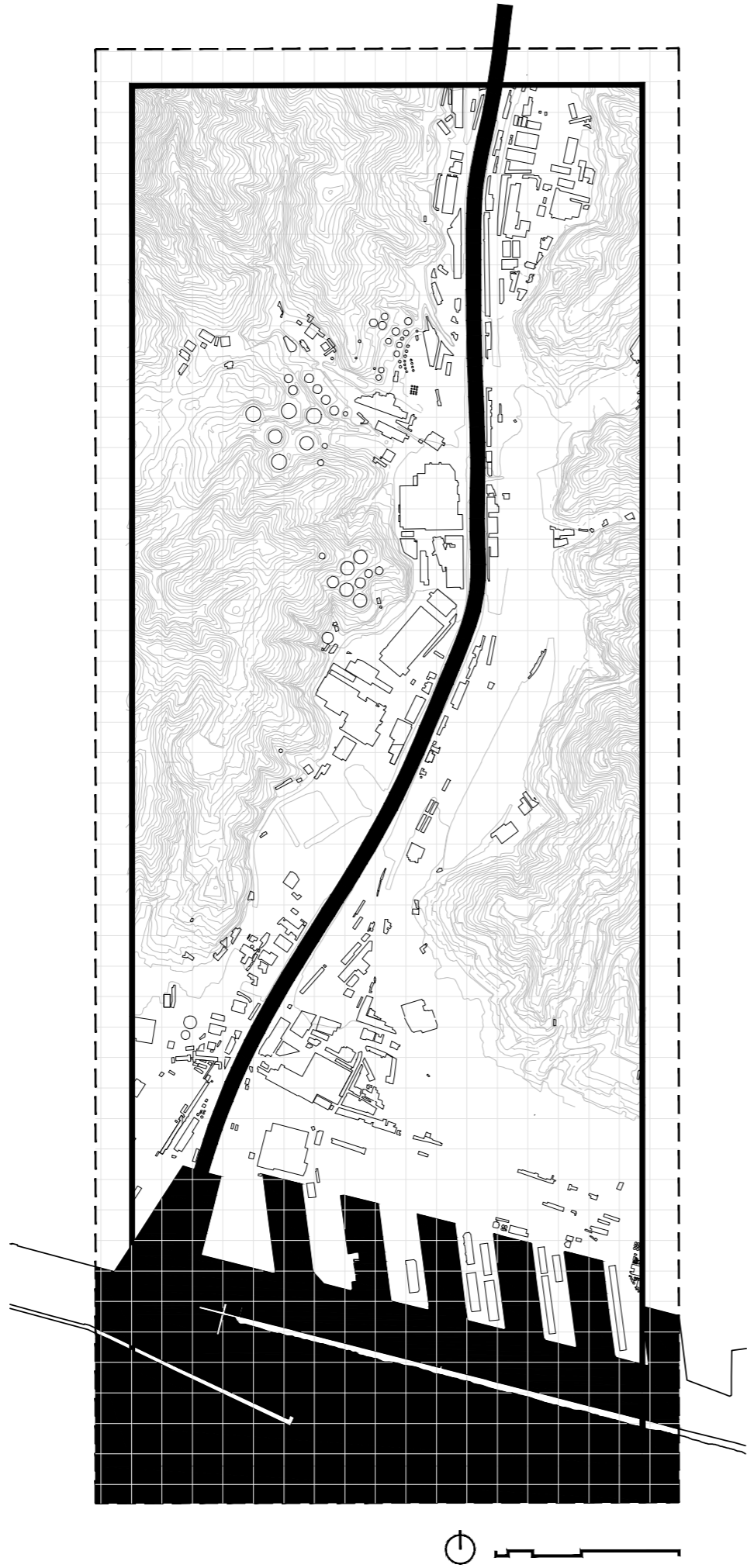
51.500 m<sup>2</sup>

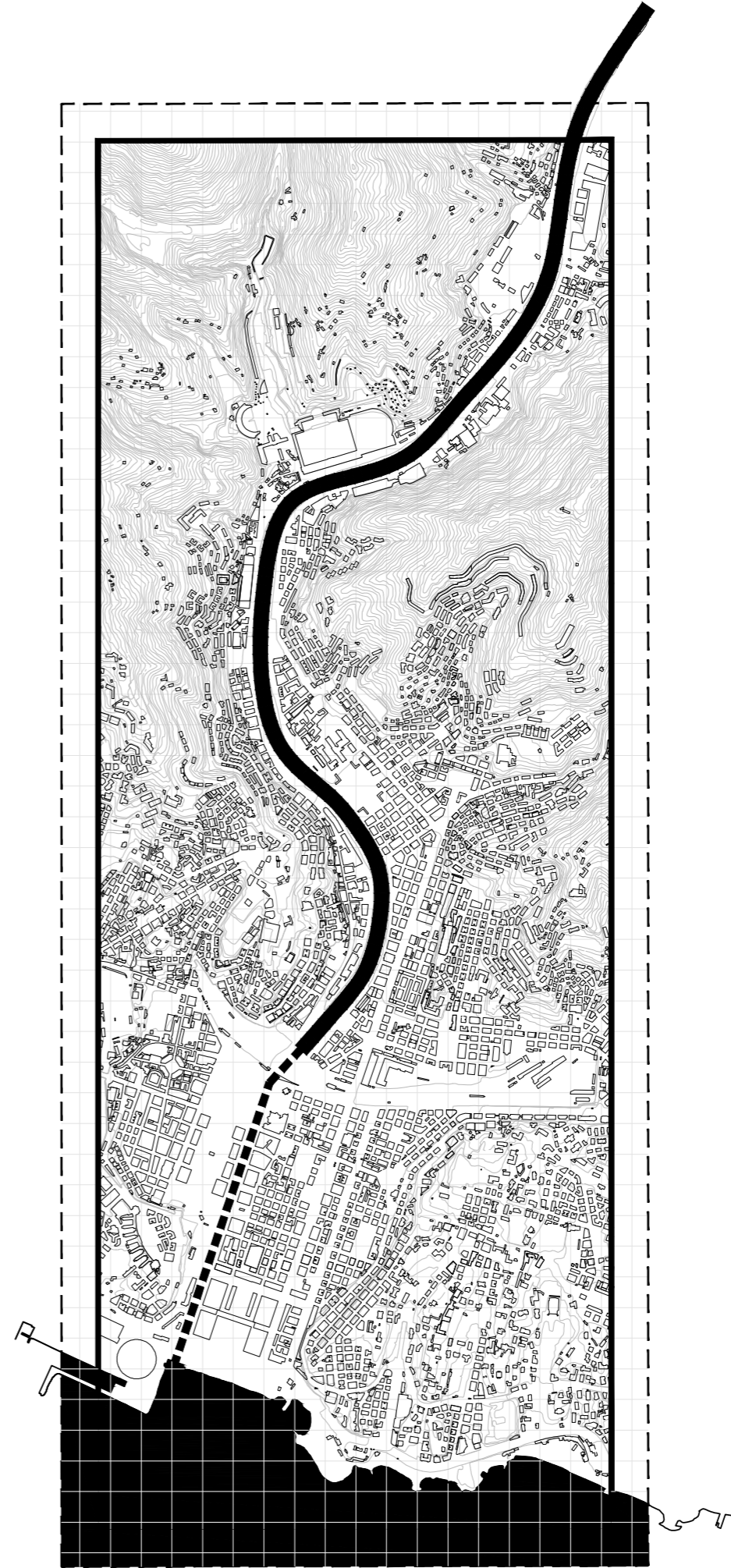
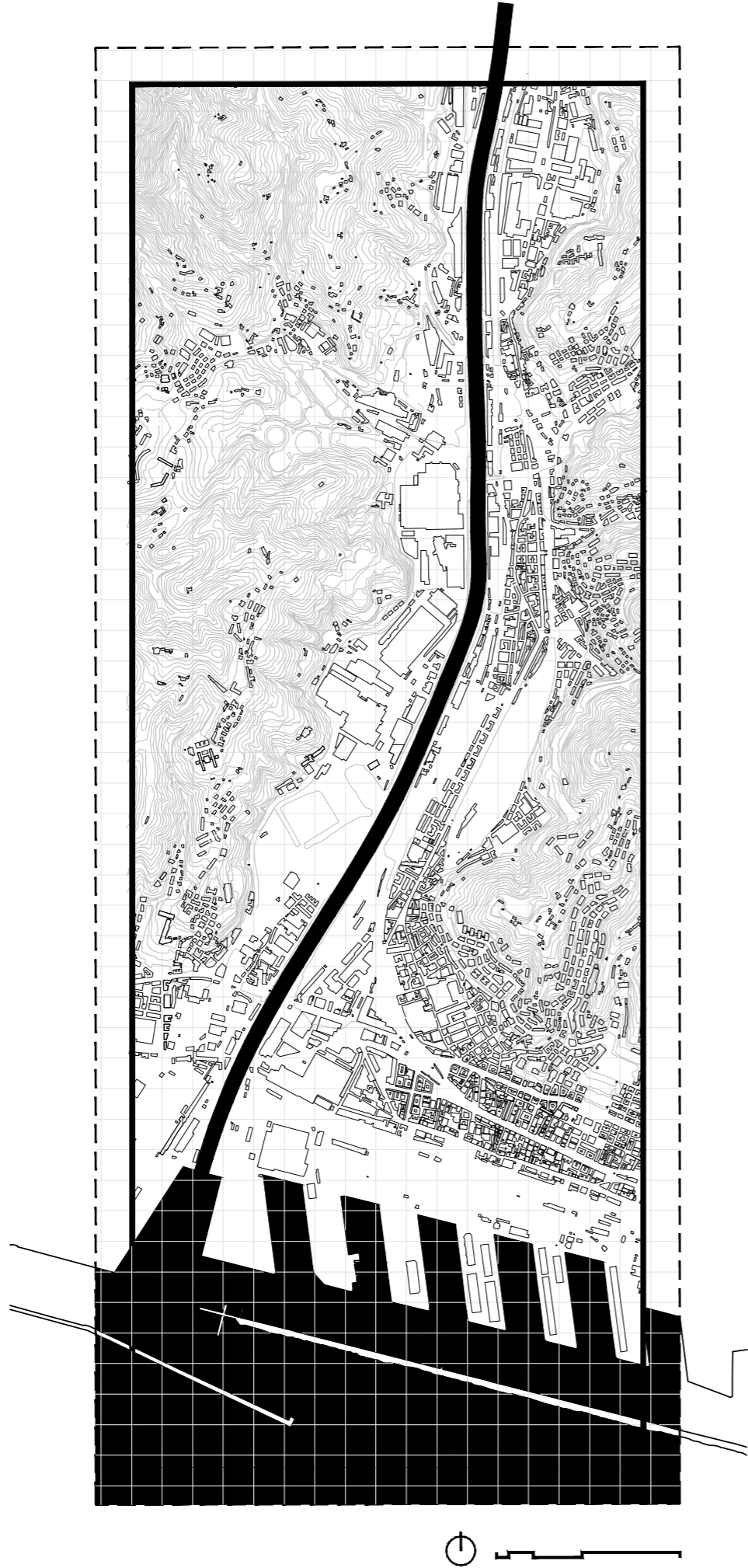


41.500 m<sup>2</sup>



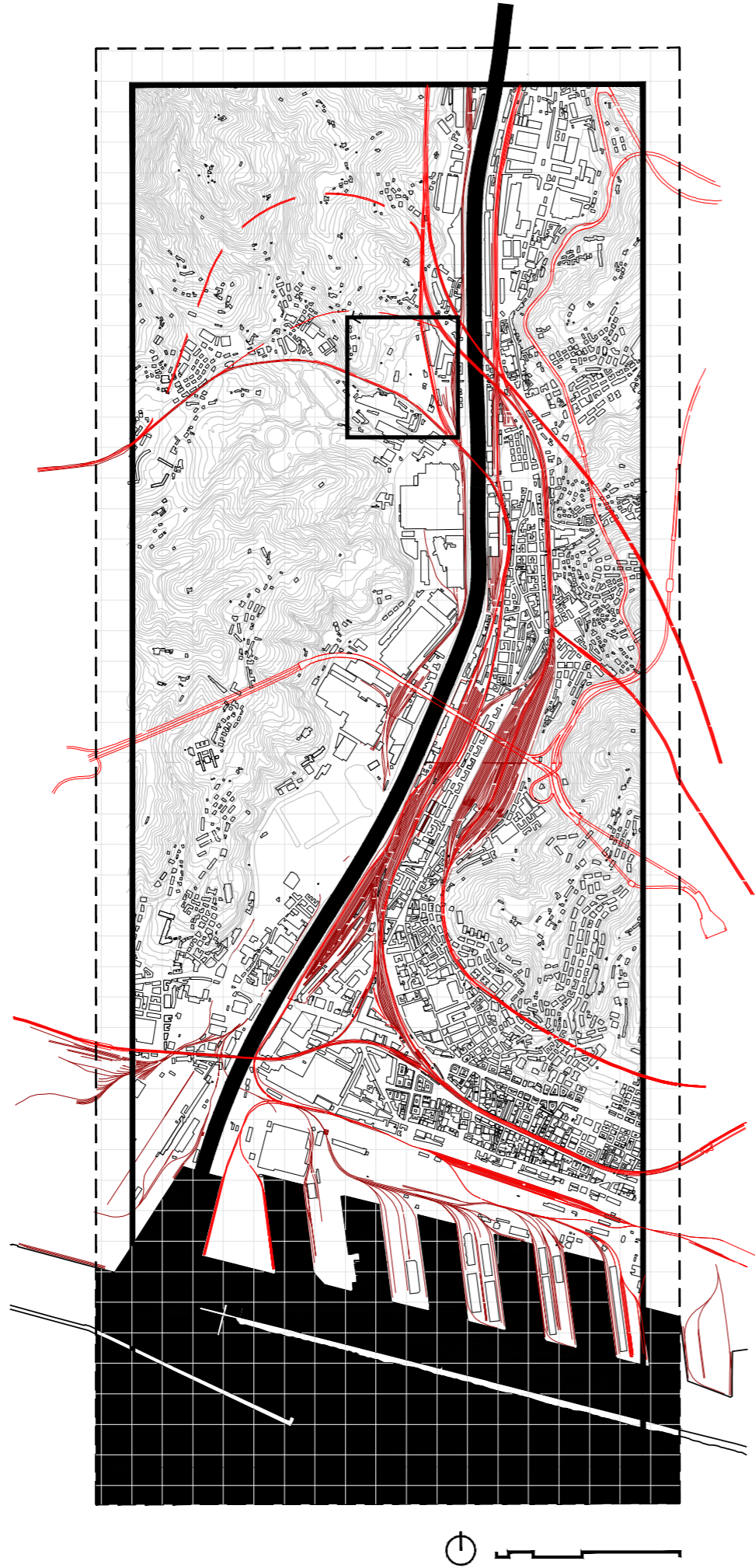
Industrial activity





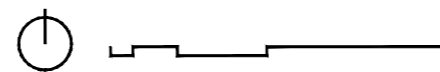
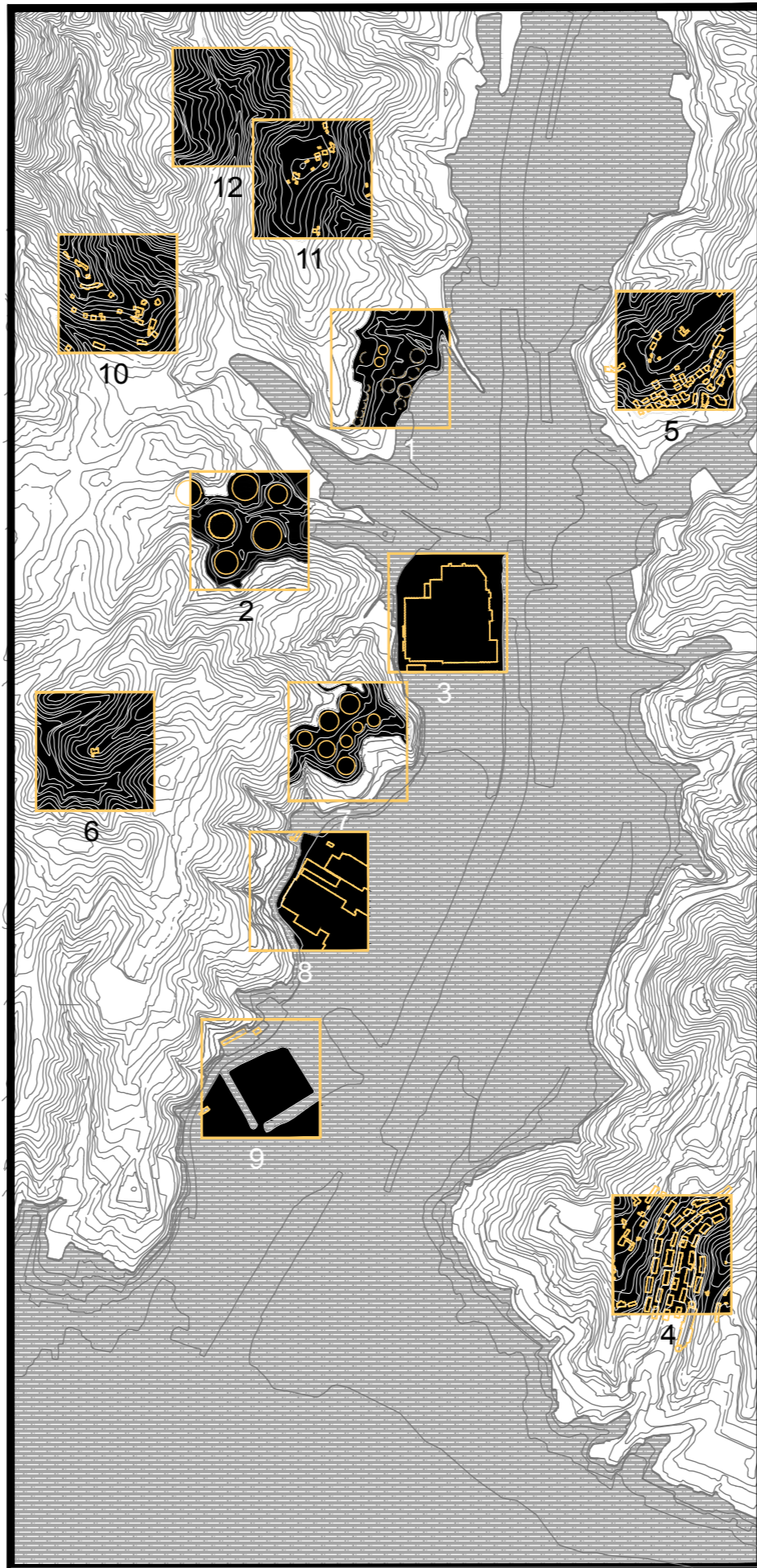


Site location

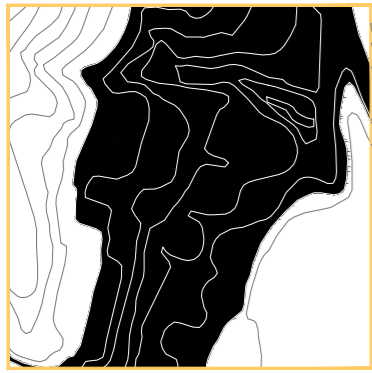


## II // Urban strategy

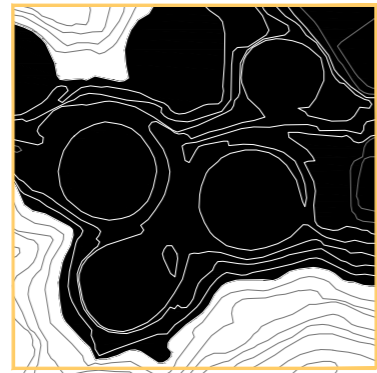
Irreversible topographic discontinuities



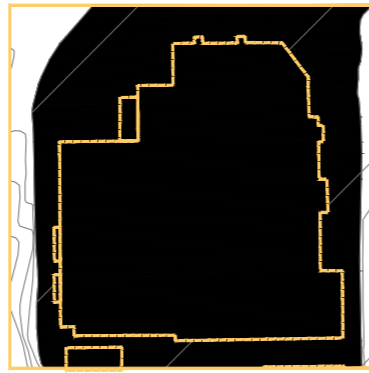
Irreversible topographic discontinuities



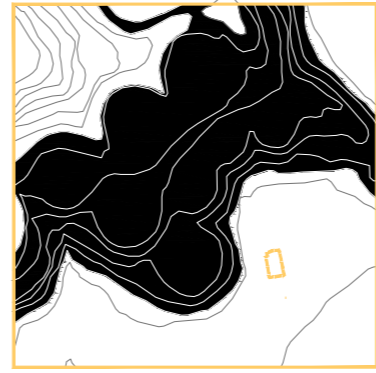
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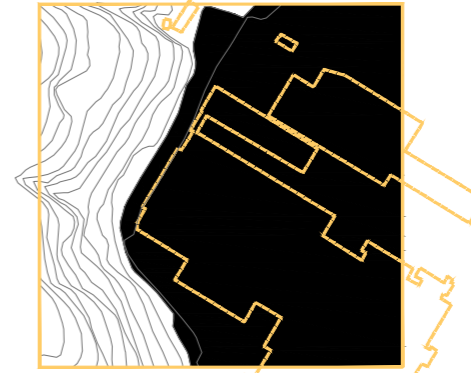
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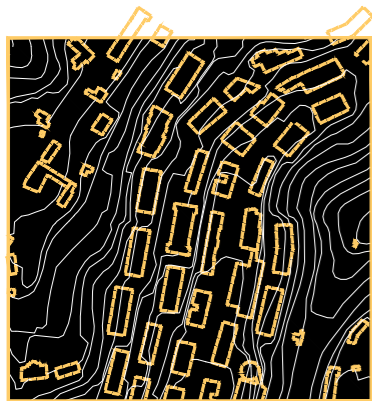
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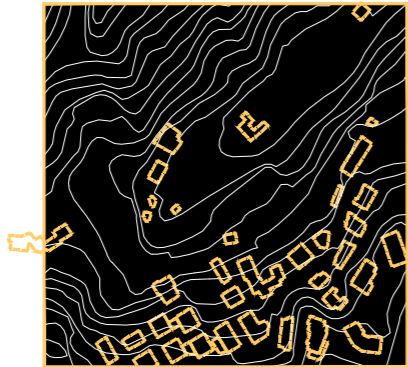
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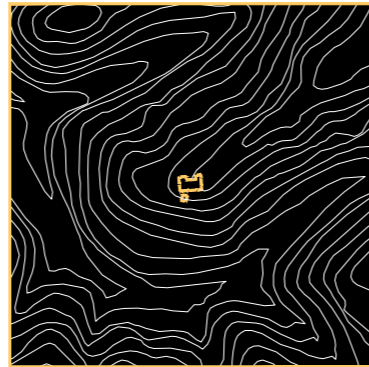
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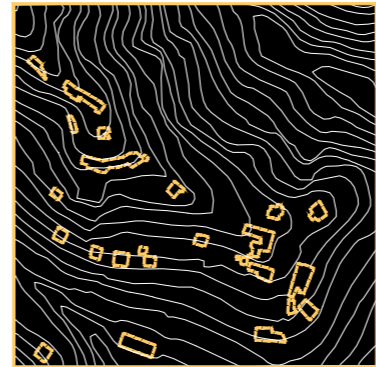
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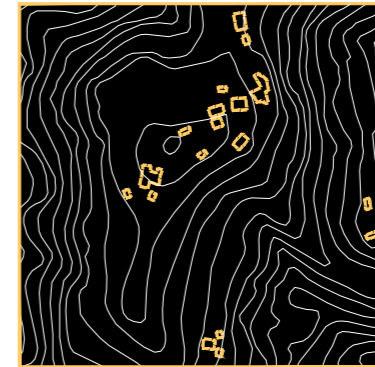
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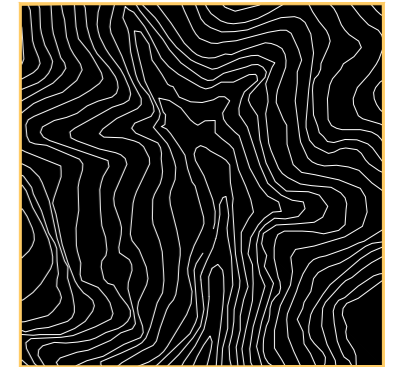
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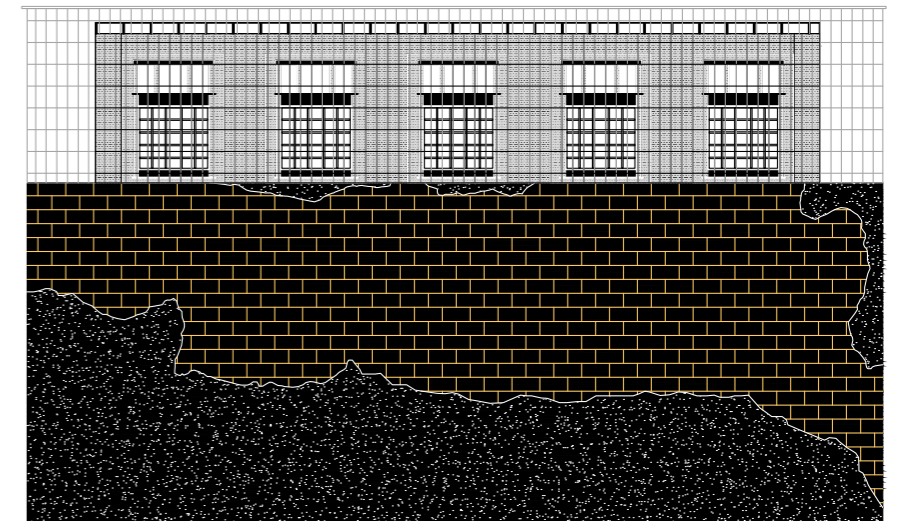
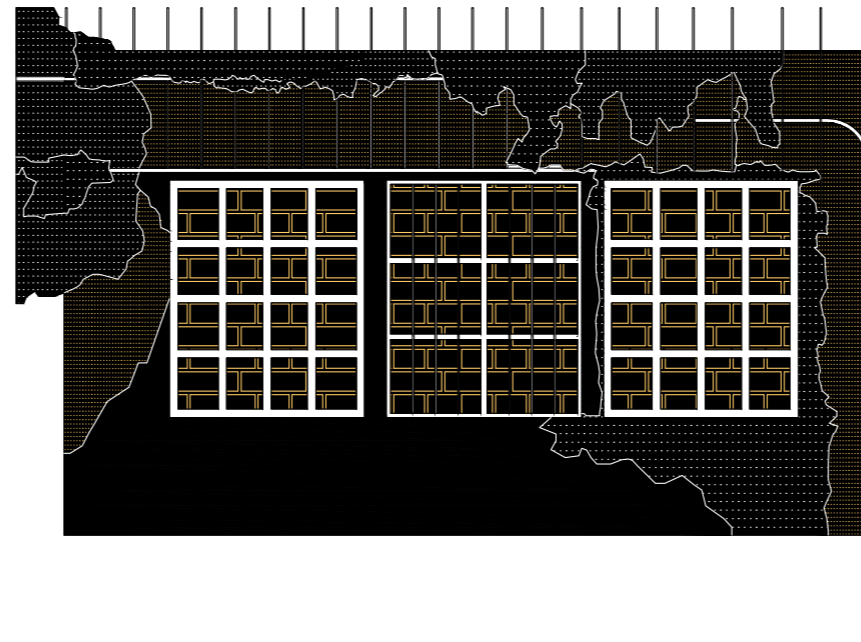
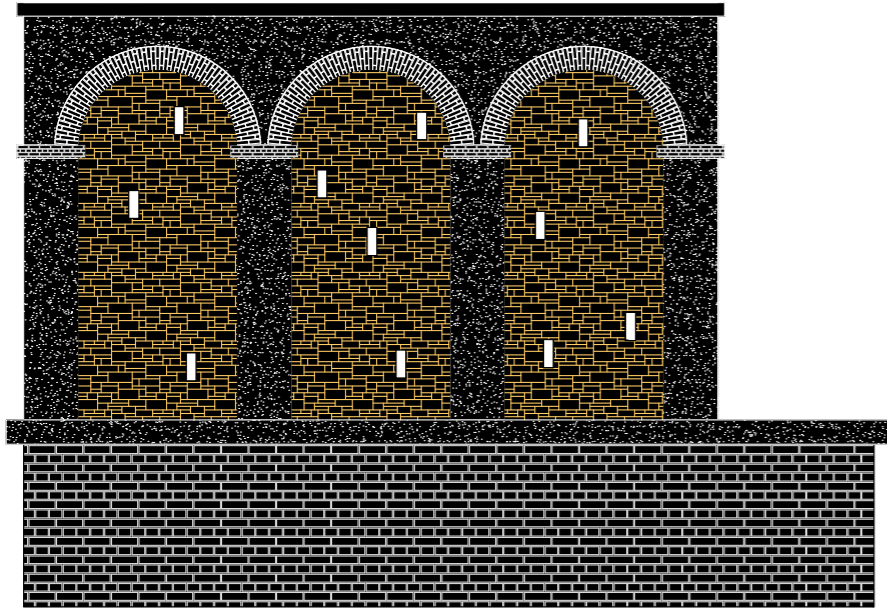


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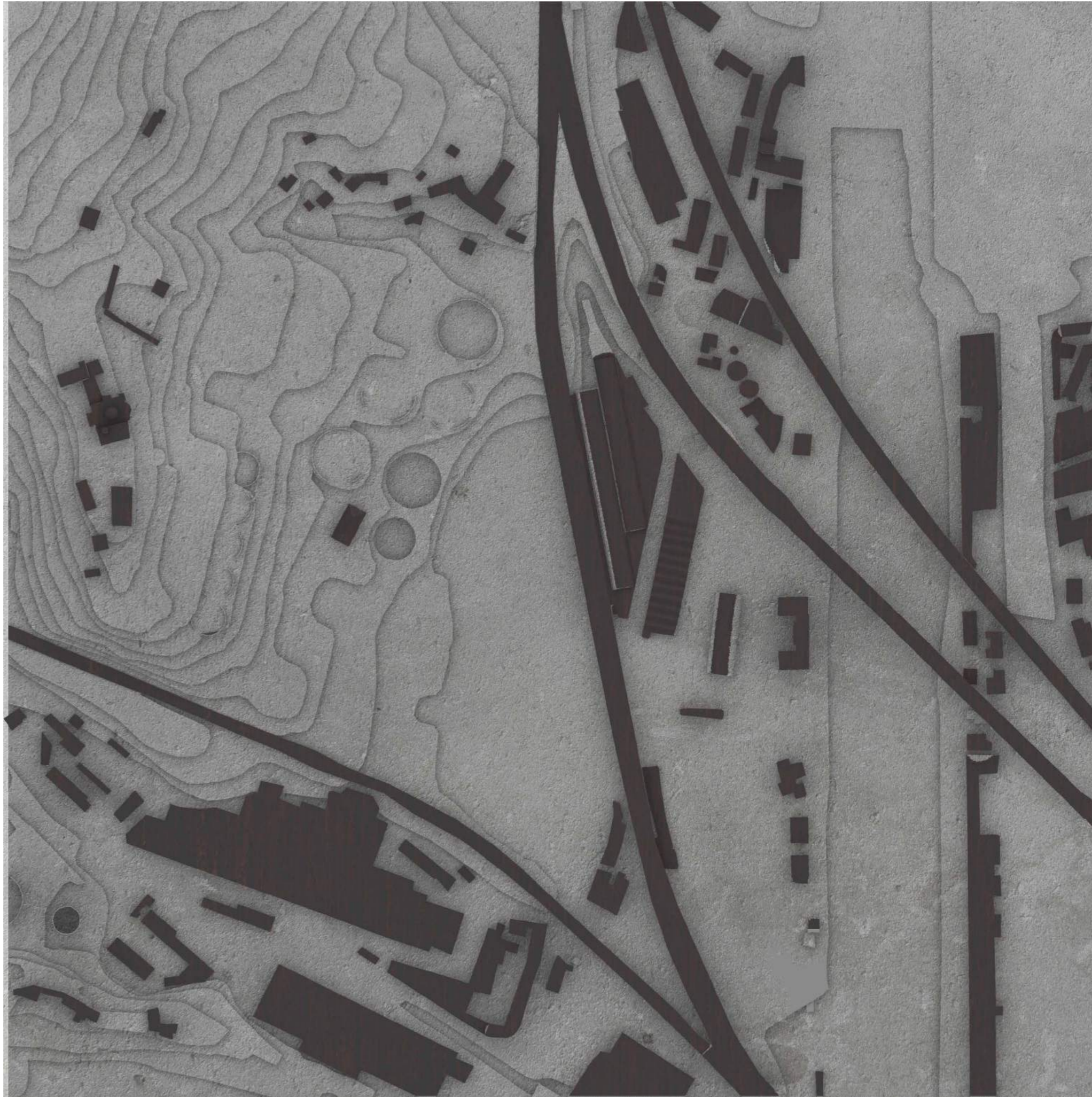


12

Repeated re-appropriations  
of landscape in multiple  
scales // Abandonement &  
Decay



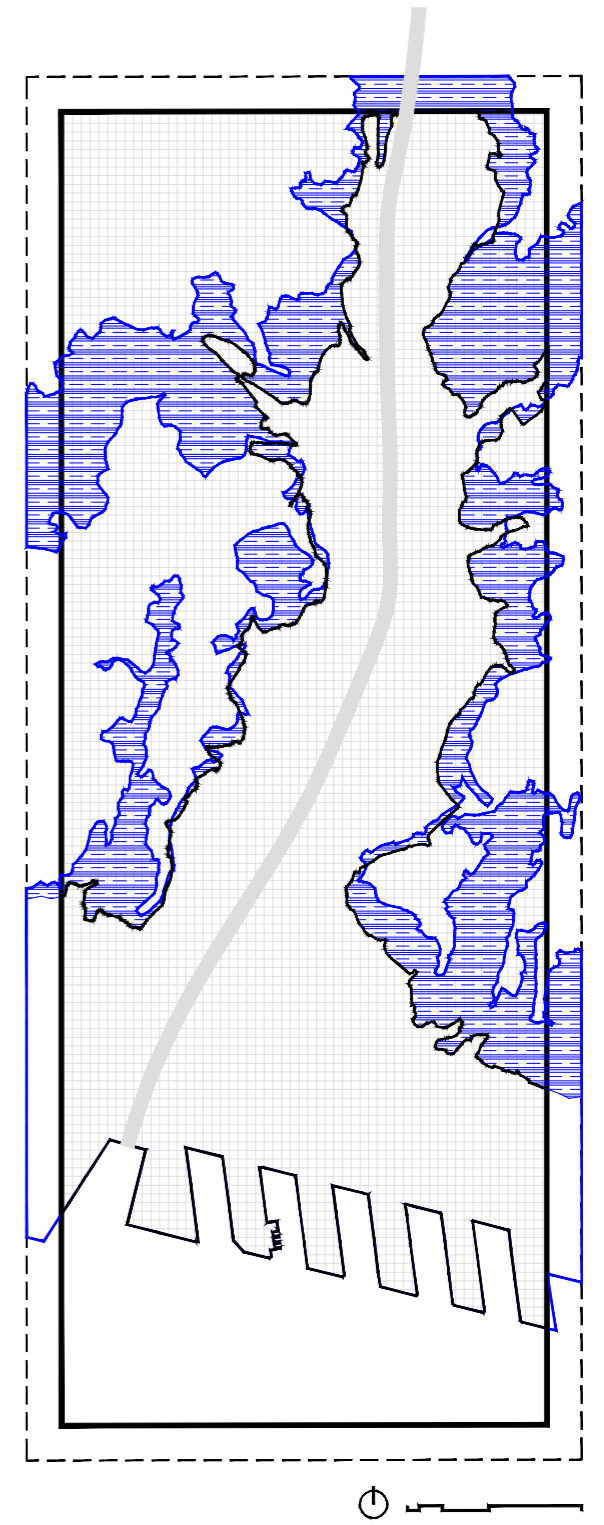
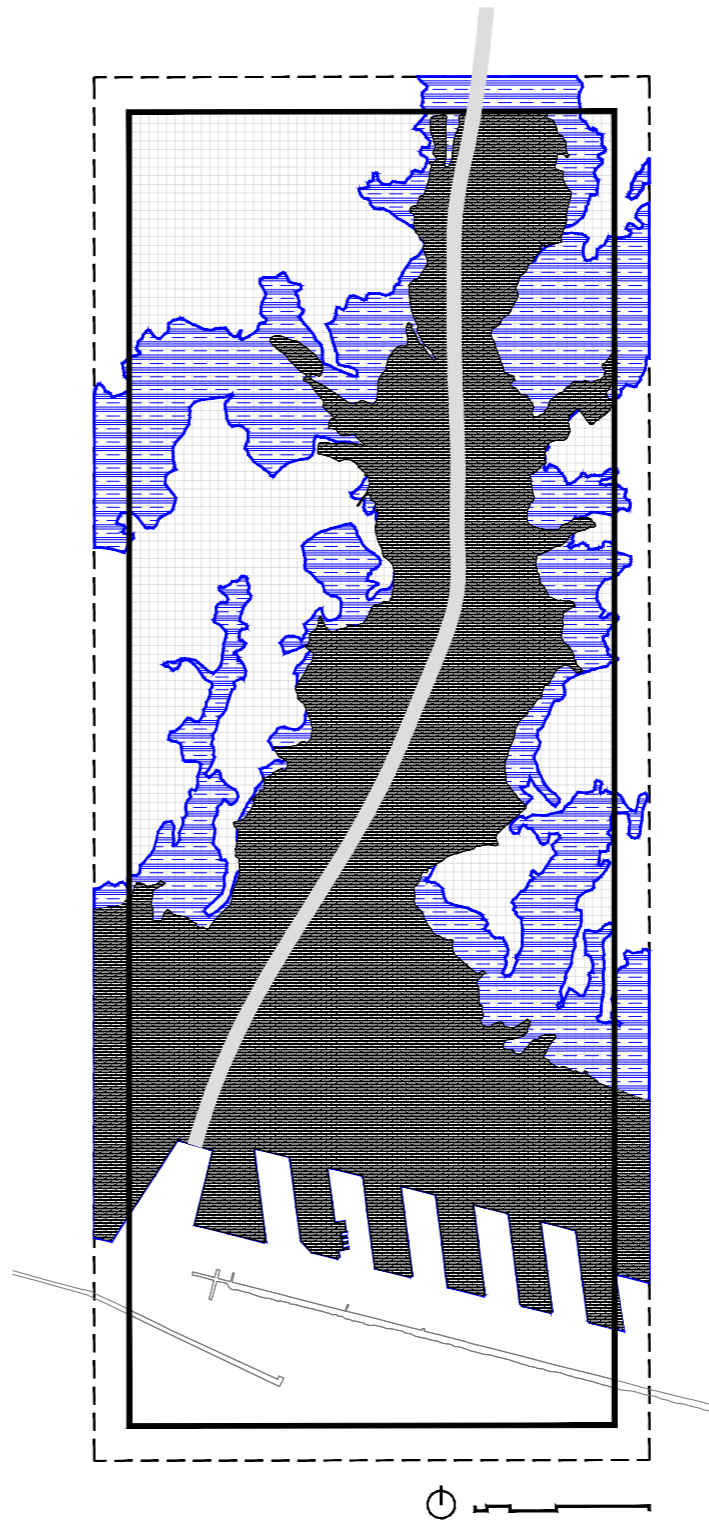
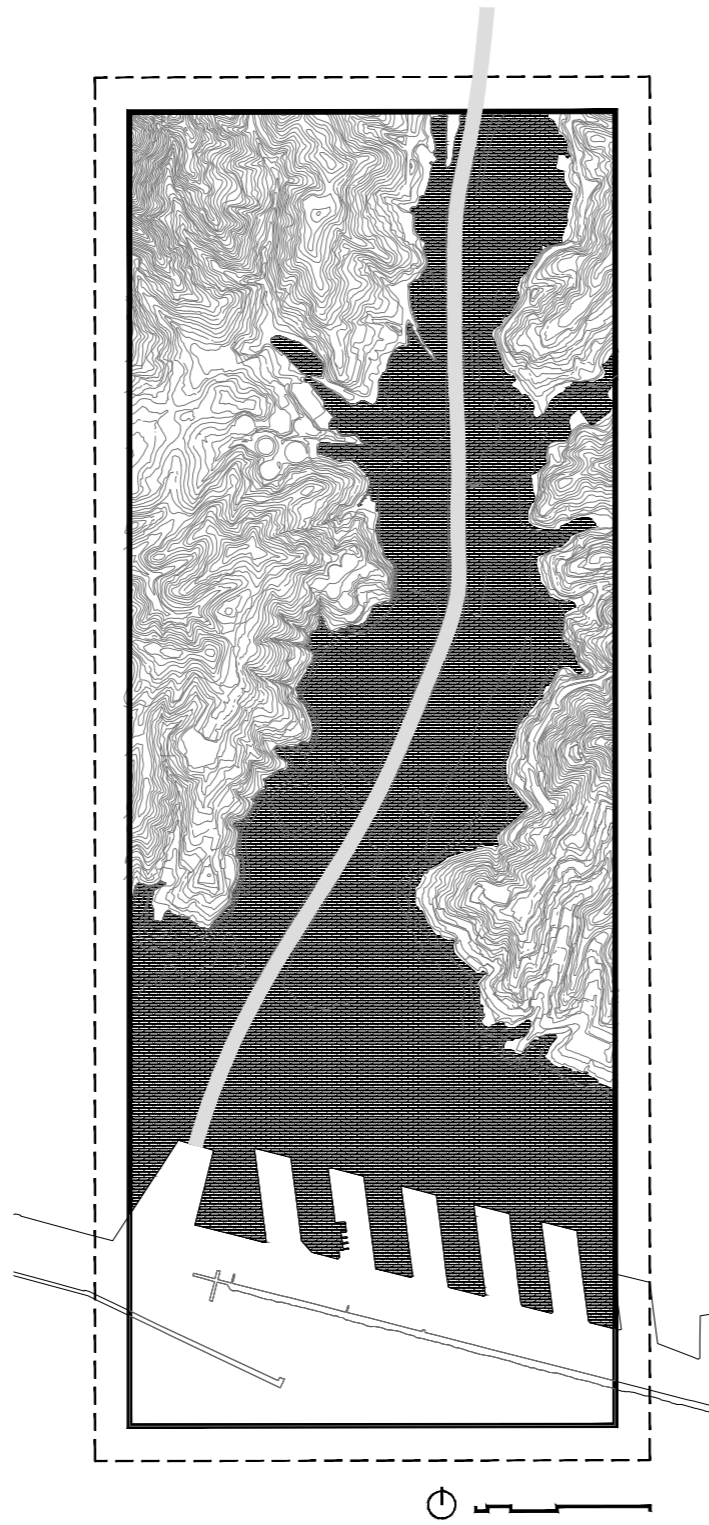
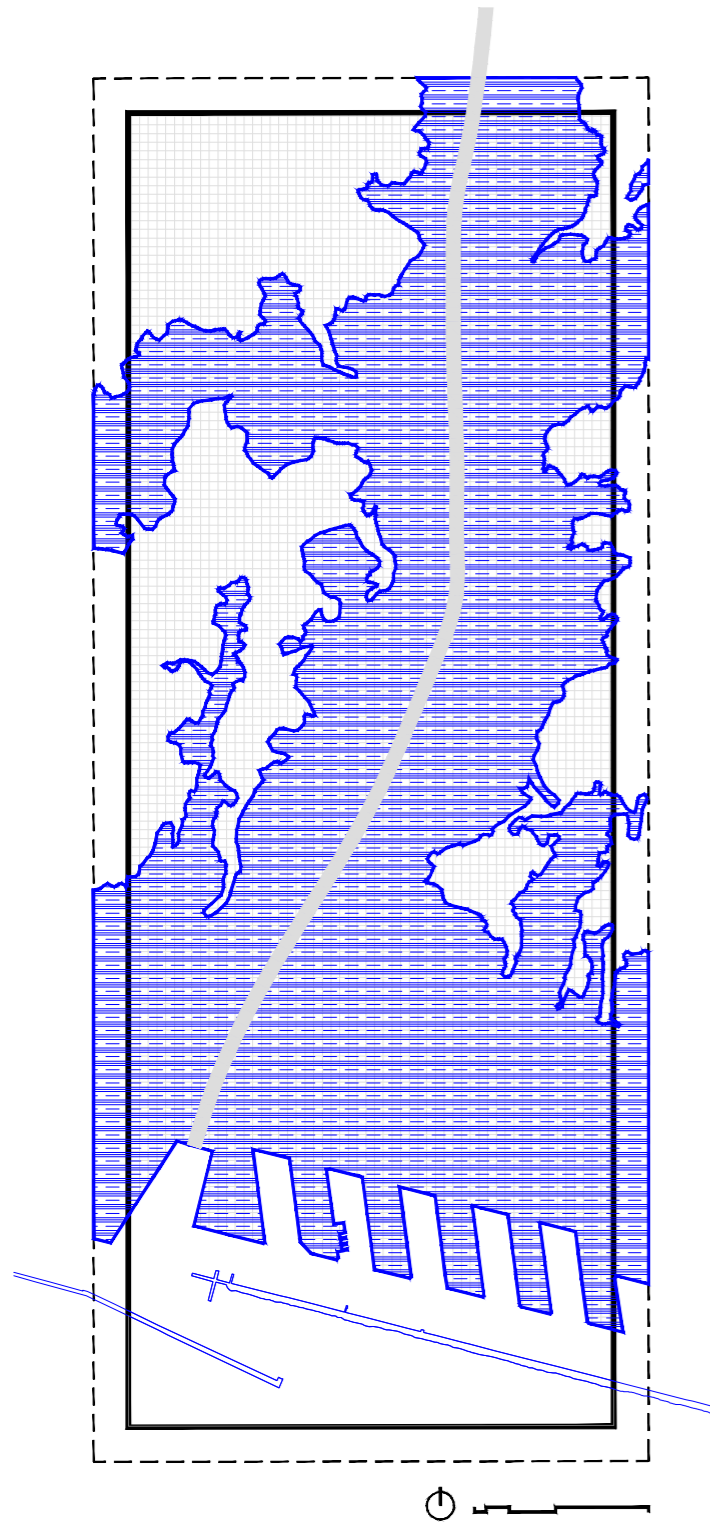
Existing condition of the site



Traces of footprints when  
the re-development will take  
place

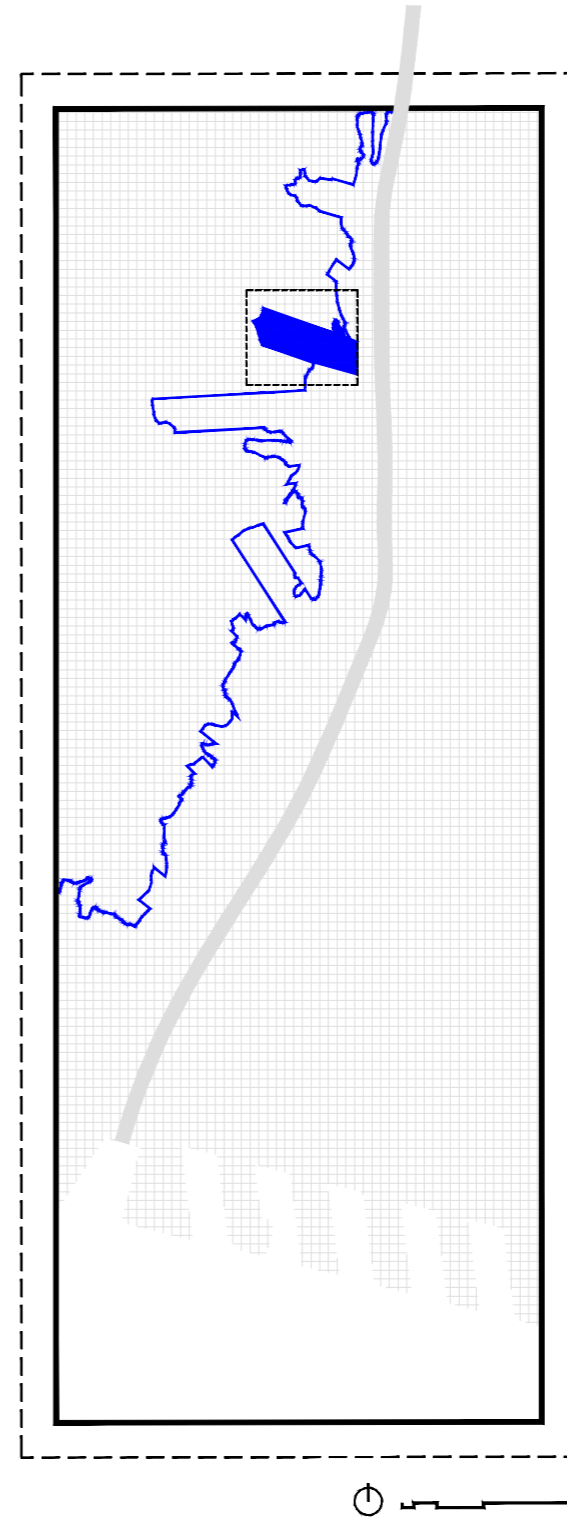
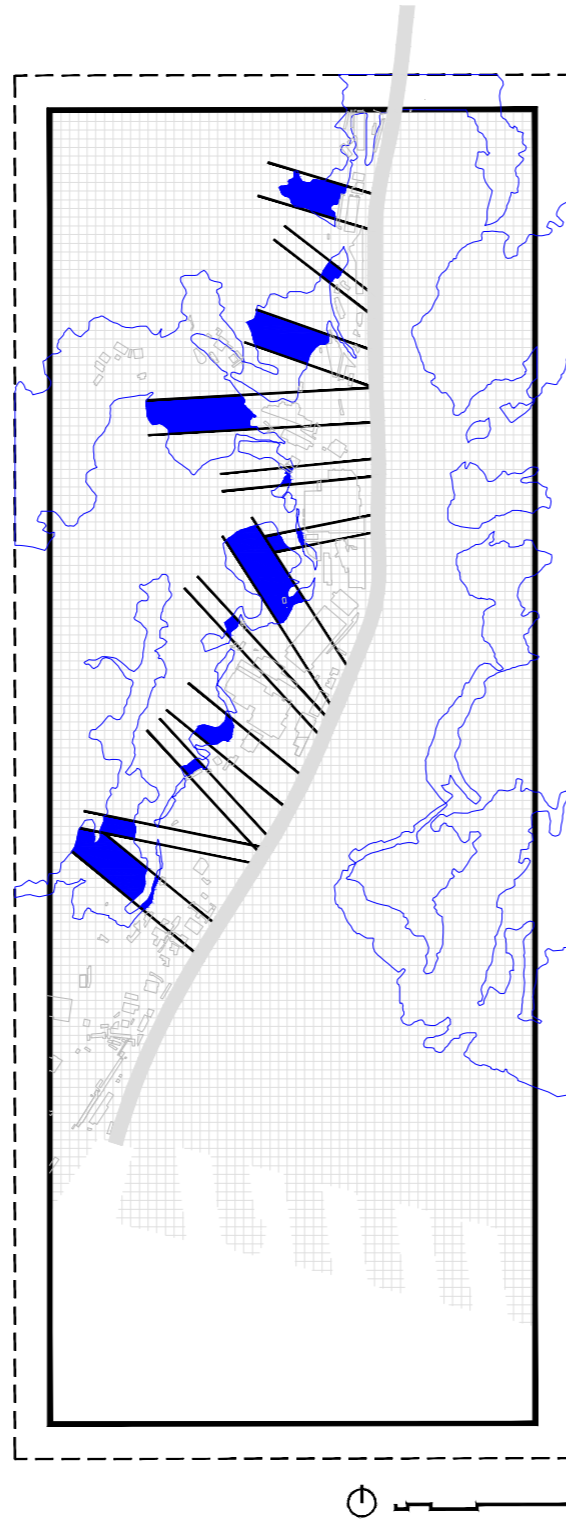
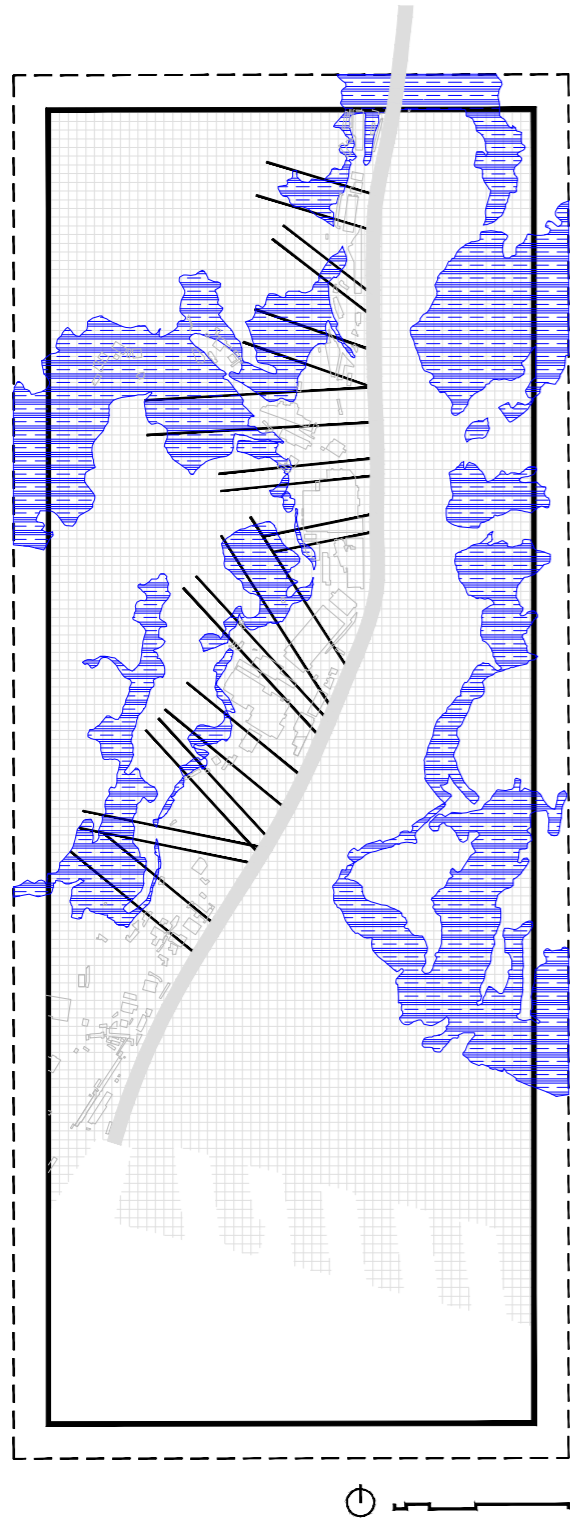


Future scenario of development in which the Green line is re-defined






Future scenario of development in which the Green line is re-defined



**WATER**




FOR A BAG OF 35 KG

**PREPARATION**




**DRYING TIME**



3 WEEKS


**TEMPERATURE**



+ 10°C / +25°C

flooring

**WATER**




FOR A BAG OF 25 KG

**PREPARATION**




**DRYING TIME**



5-7  
DAYS  
MAXIMUM

**TEMPERATURE**



+ 10°C / +30°C

wall filling



Construction materials: re-define & re-use



## III // The program

**Archaeological lab:**

1. Delivery zone
2. Un-packaging area
3. Cleaning (water) lab
4. Drying area
5. Sorting lab (based on material)
6. Restoration & Maintenance labs
  - Category 1 | Negligibly Climate-Sensitive:
    - a. Stable Ceramics lab
    - b. Stable Stone lab
    - c. Stable inorganic materials lab (plaster, mud, brick, stone)
    - d. Faunal remains lab
  - Category 2 | Climate sensitive:
    - e. Stable Metal lab
    - f. Stable glass lab
    - g. Wood lab
    - h. Botanicals & Textiles lab
    - i. Natural gums & resins lab
  - Category 3 | Significantly climate sensitive:
    - j. Unstable ceramics & stone
    - k. Unstable glass
    - l. Unstable metal (particularly iron)
    - m. Organic matter lab (human & animal remains)
    - n. Wet or waterlogged organics lab
    - o. Composite objects lab
7. Cross mending lab
8. Artifacts study lab
  - a. Identification & Cataloguing lab (kind of artifact)
  - b. Faunal analysis lab (Chemical processes on organic matter samples)
  - c. Interpretation & analysis/Terminus post quem lab (date & location of artifact)
9. Photography lab
10. Classification area (which artifacts are sent to museums and which are kept in storage)
11. Artifacts storage & display
12. Packaging area
13. Departures zone

**Lab's Secondary spaces:**

14. Technical facilities
  - a. Electrical room
  - b. Heating & ventilation room
15. Lab Administration offices
16. Information point/secretariat office
17. Lab personnel offices
18. Scientific personnel library
19. Toilets
20. Shower & locker rooms
21. Restaurant & eating area

**Underground parking**

**Archeological archive:**

22. Photographic documentation of artifacts
22. Written analysis of each artifact
24. Dissertations & publications related to the artifacts period & location

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1

2

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3

1

Restoration Labs

2

Artifacts Storage

3

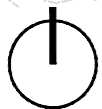
Archeological Archive

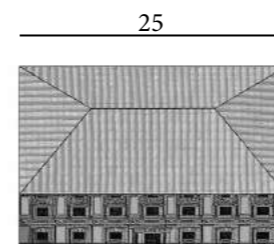
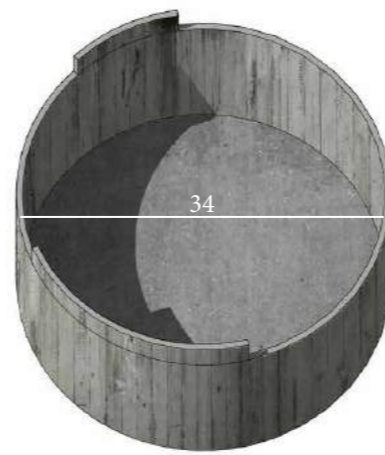
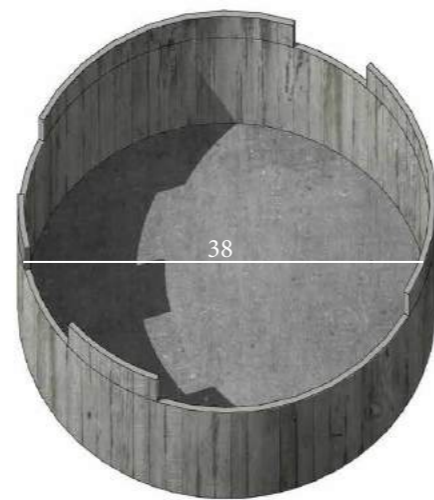
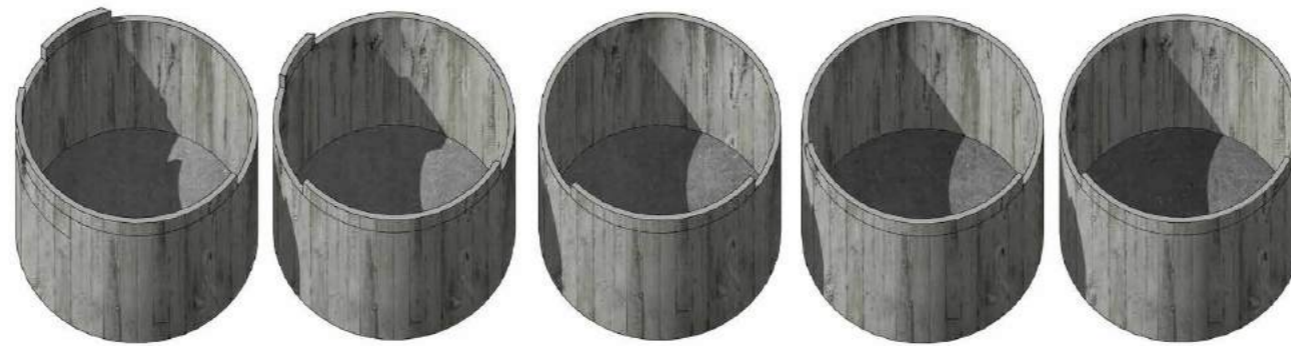
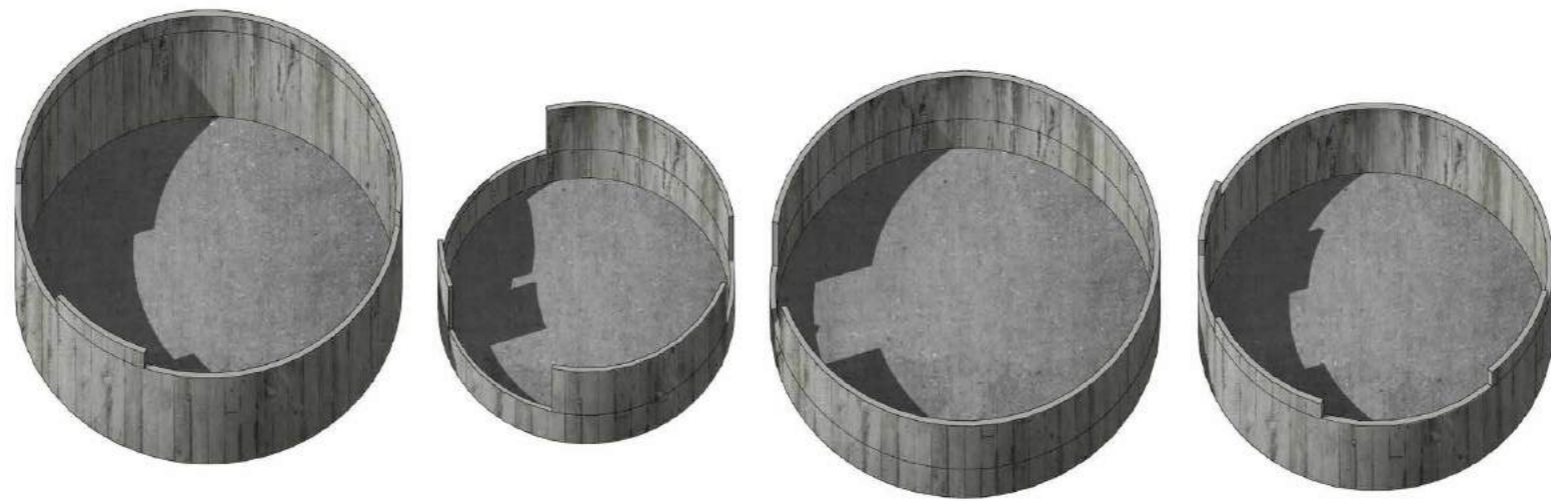
## IV // The project

1. // Relationship to ground & landscape
2. // Programmatic coordination & formal articulation
3. // Operation as a system



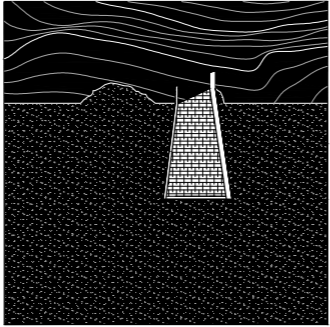
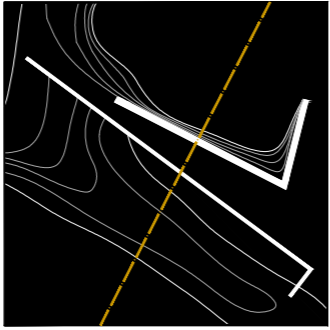
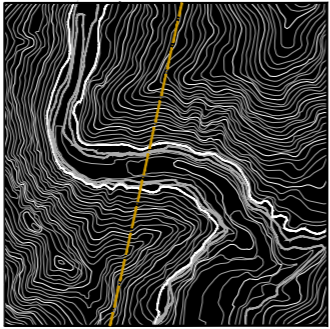
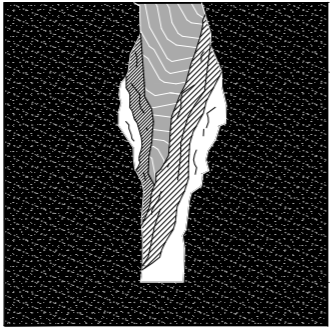
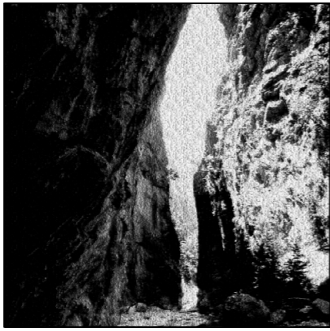
1. // Relationship to ground & landscape



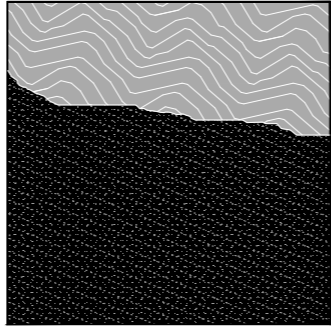
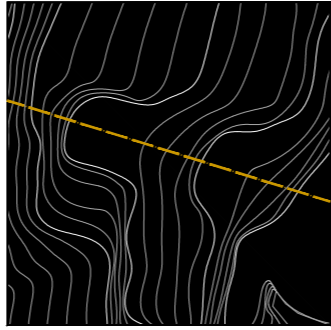
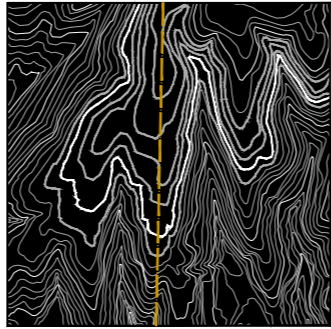
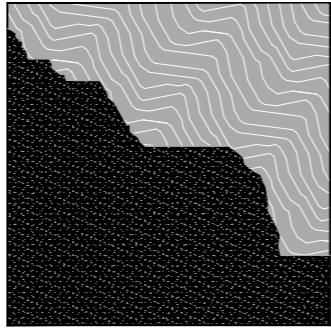
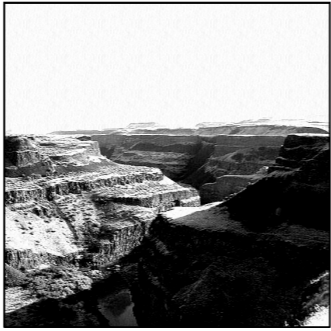


Inventory of on site objects that will be incorporated into the project

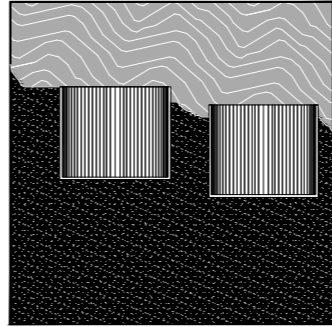
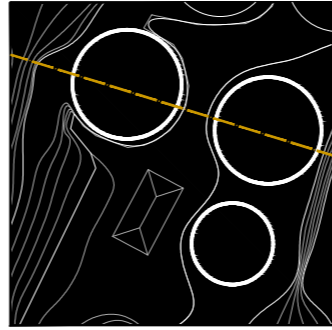
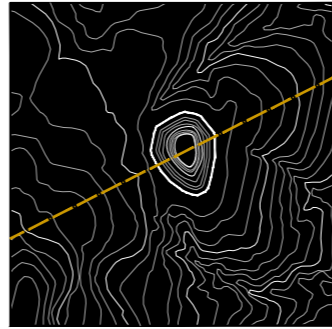
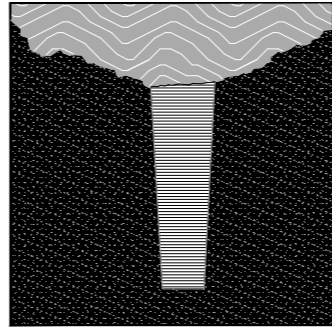
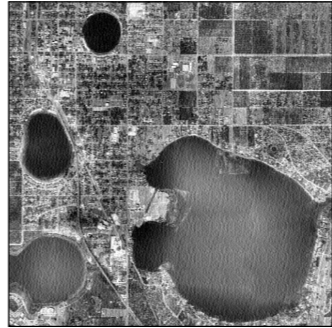
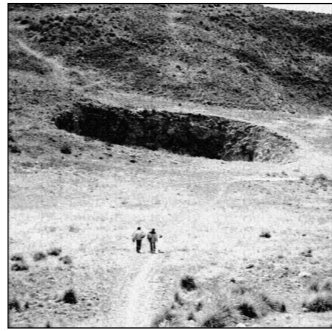
THE GORGE



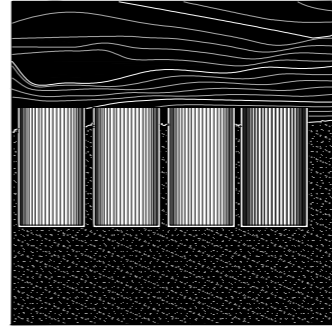
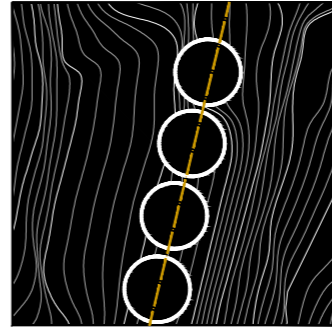
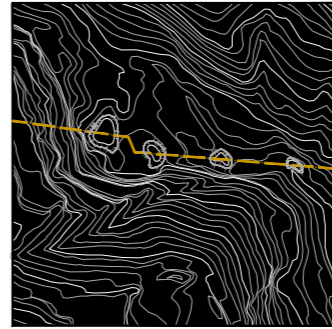
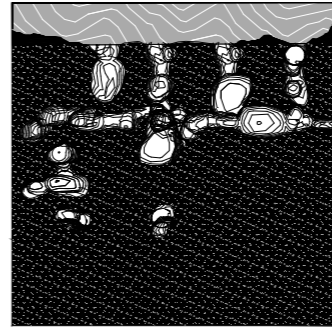
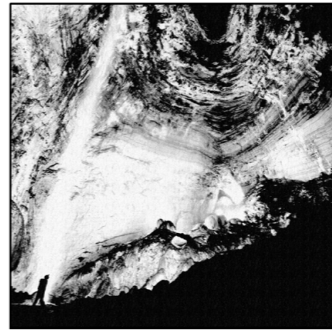
THE PLATEAU

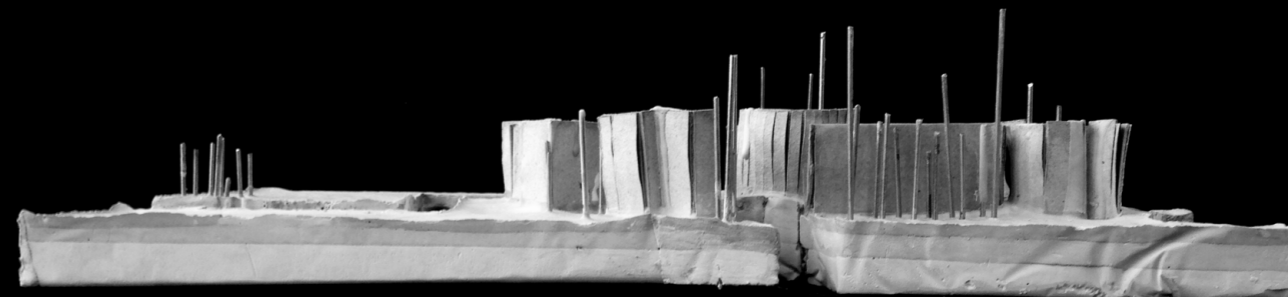
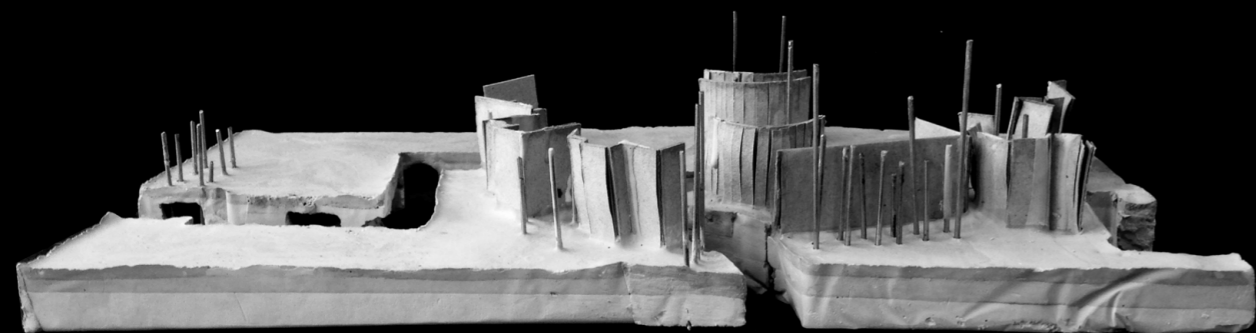
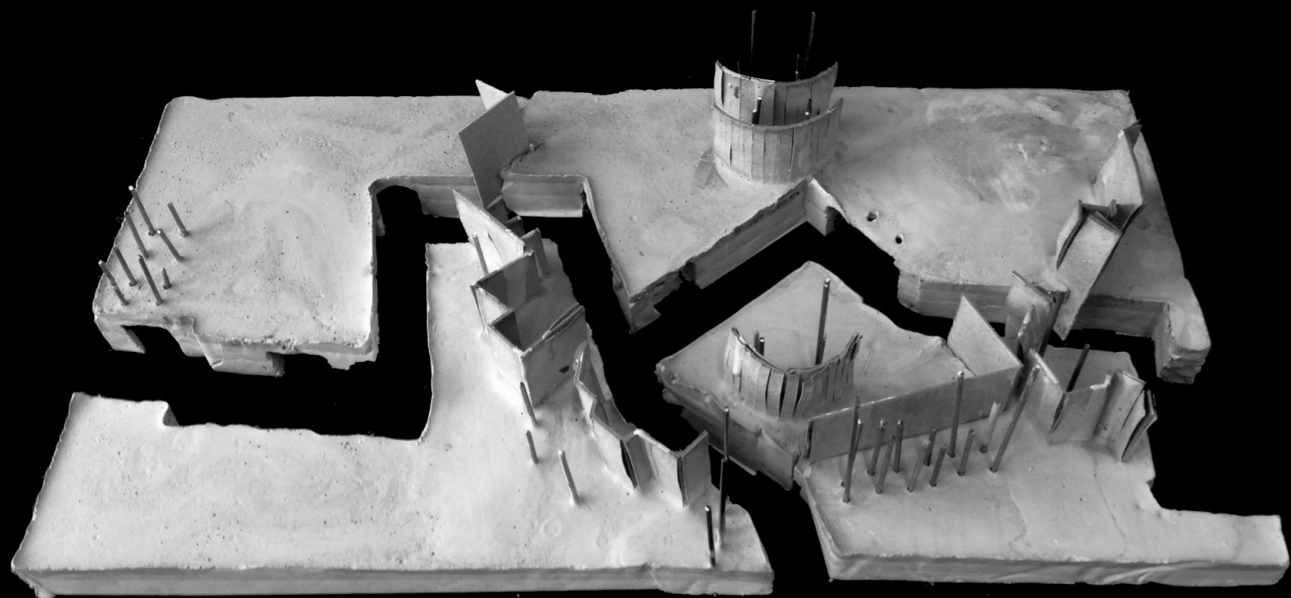


THE SINKHOLE

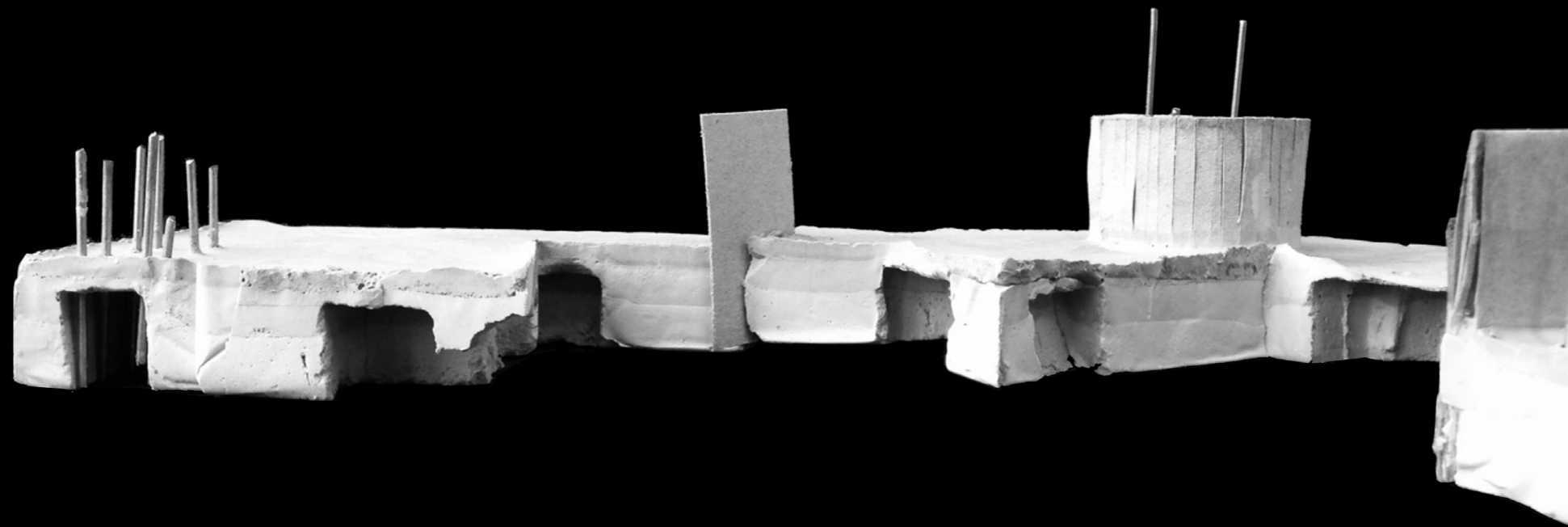
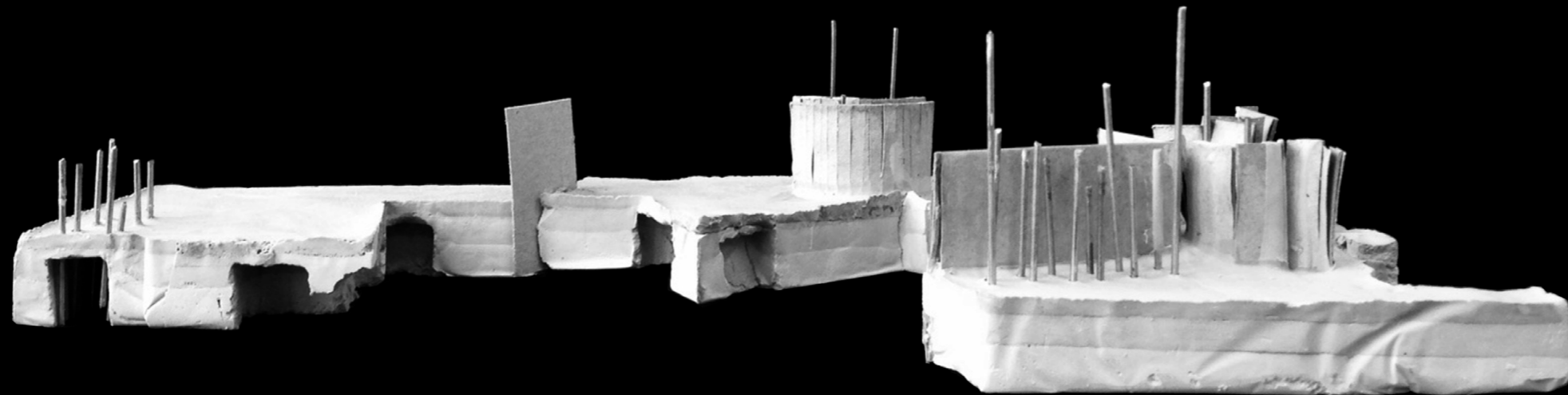


THE CAVERNS



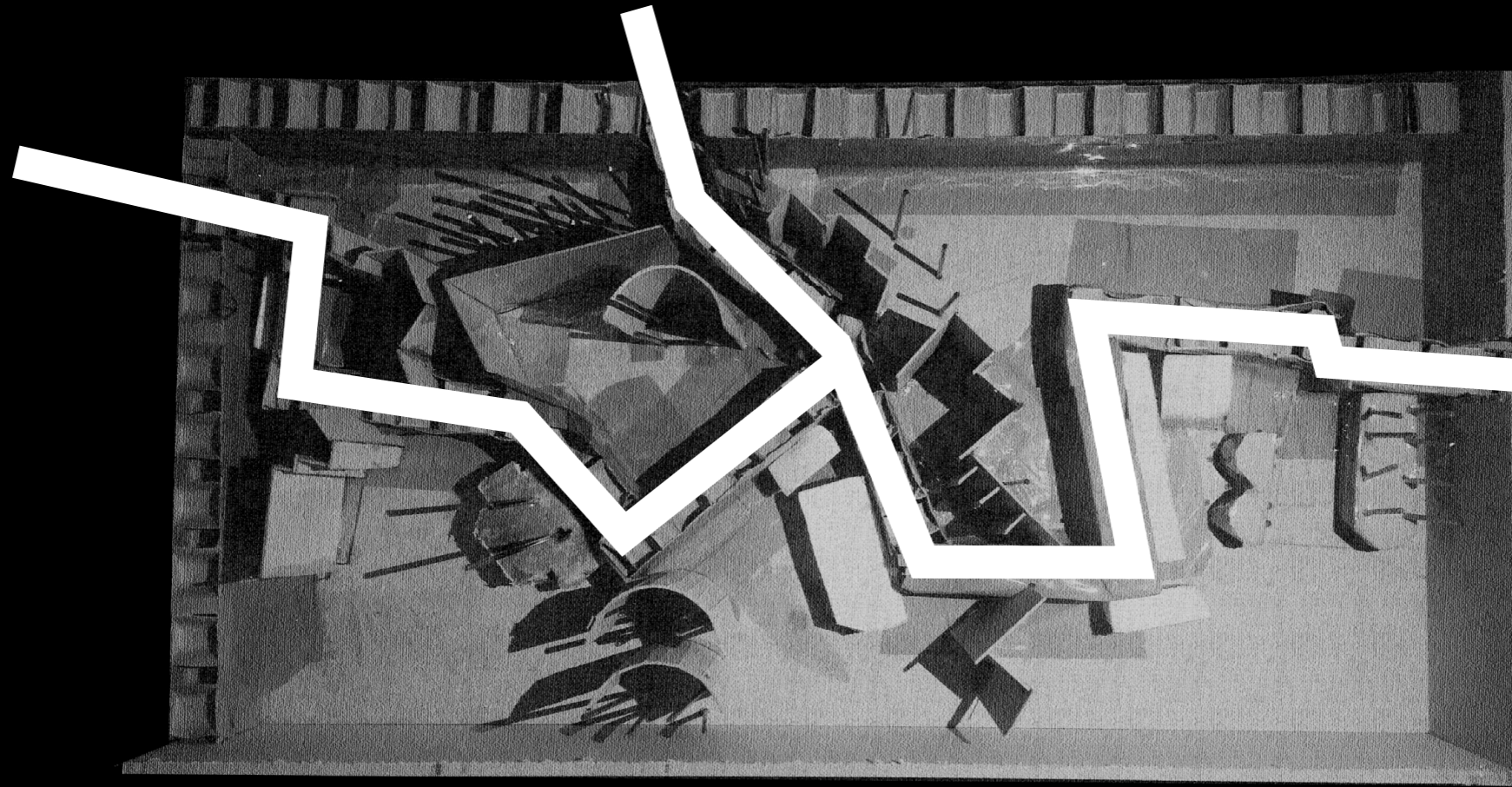


Modi operandi // Experimental model



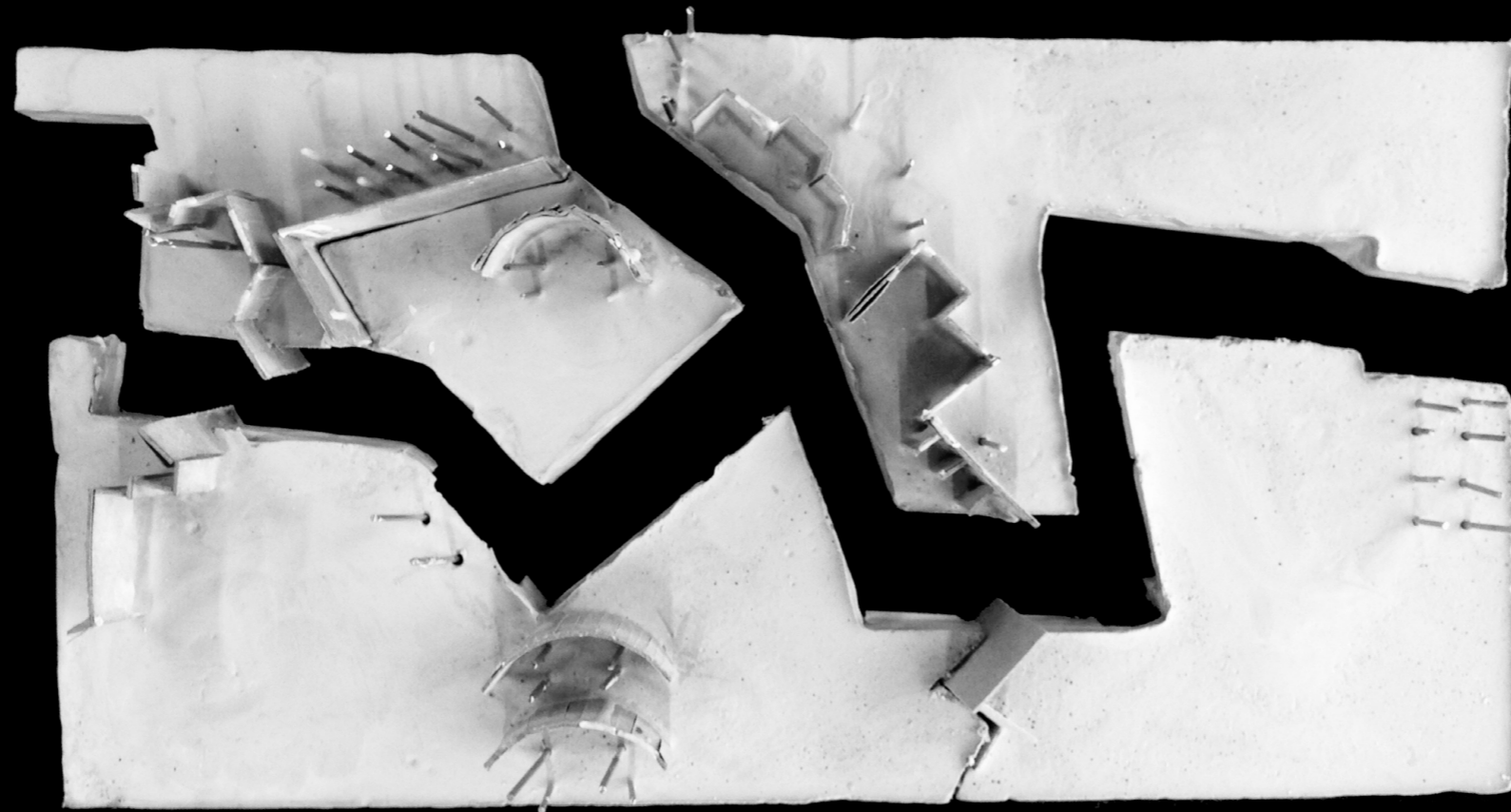
Relationship of architectural space with the figure ground

I

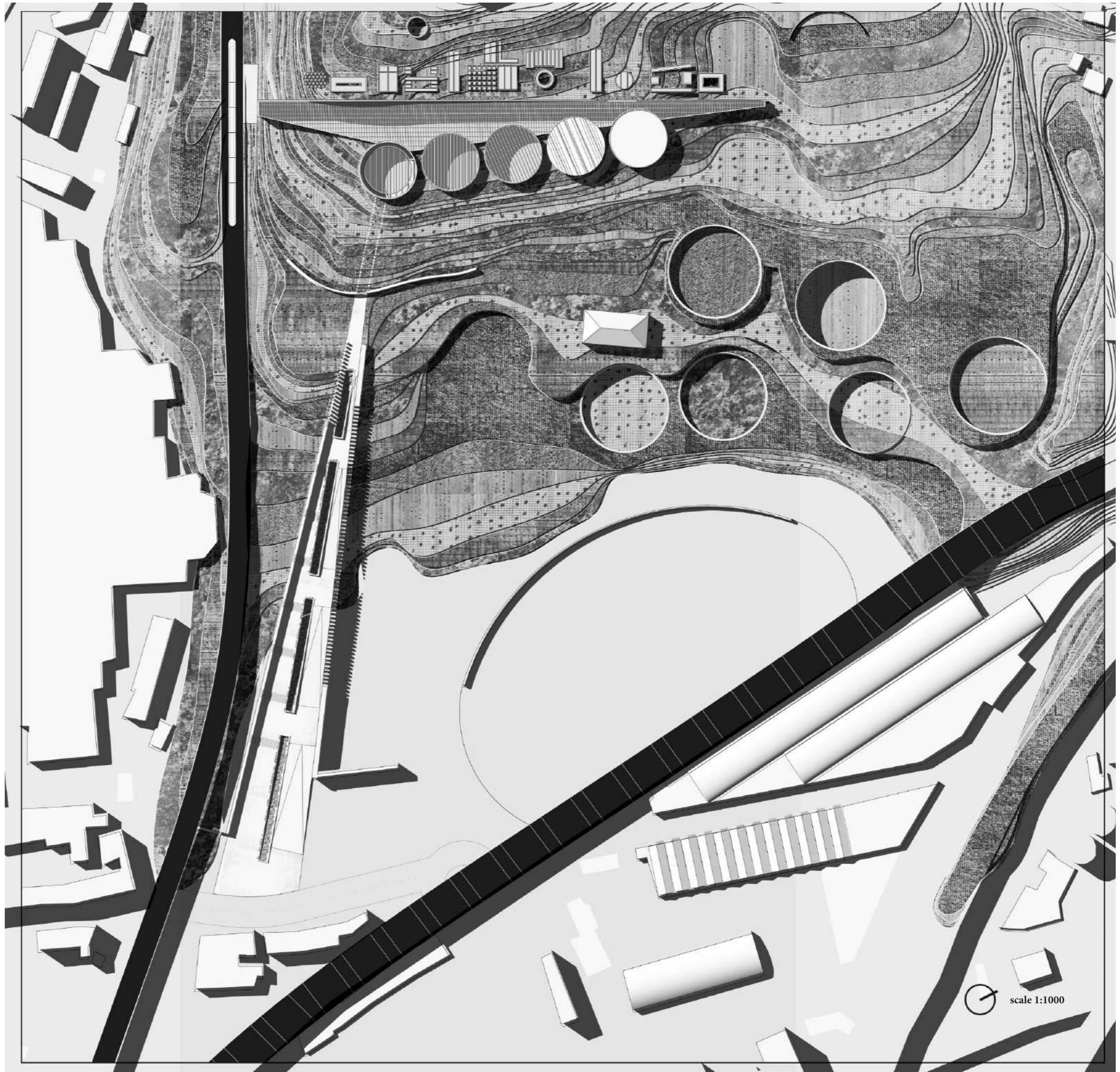


Performing the Cut

II

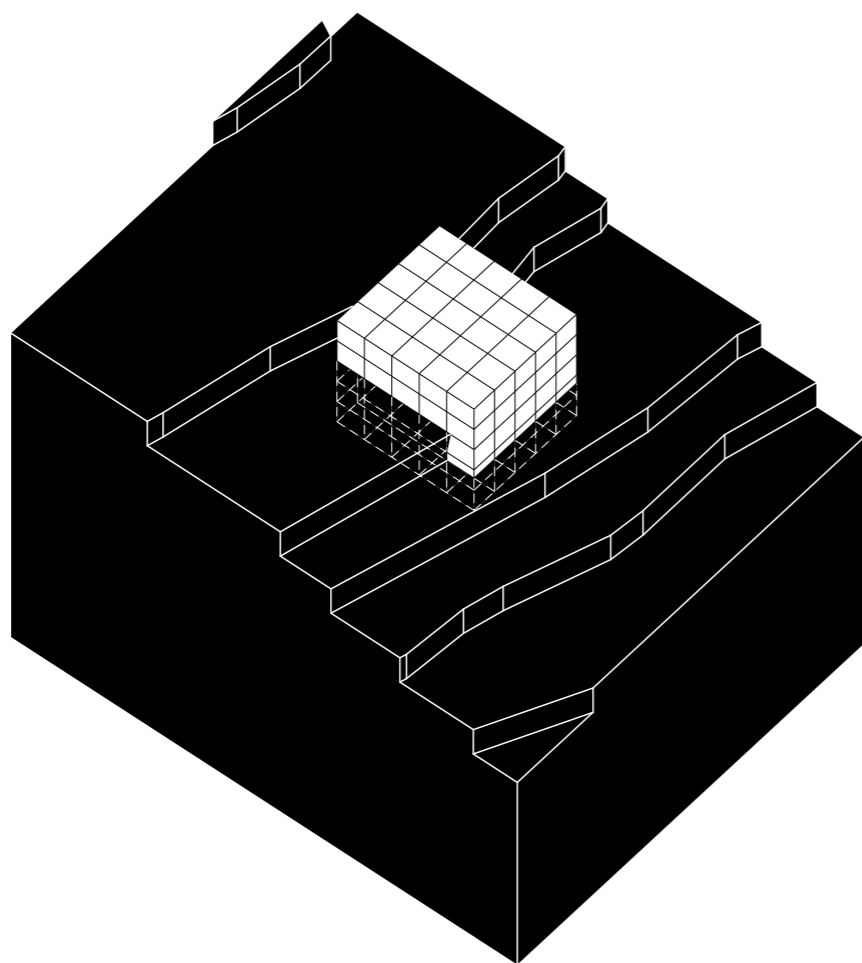


Relationship to surface-ground

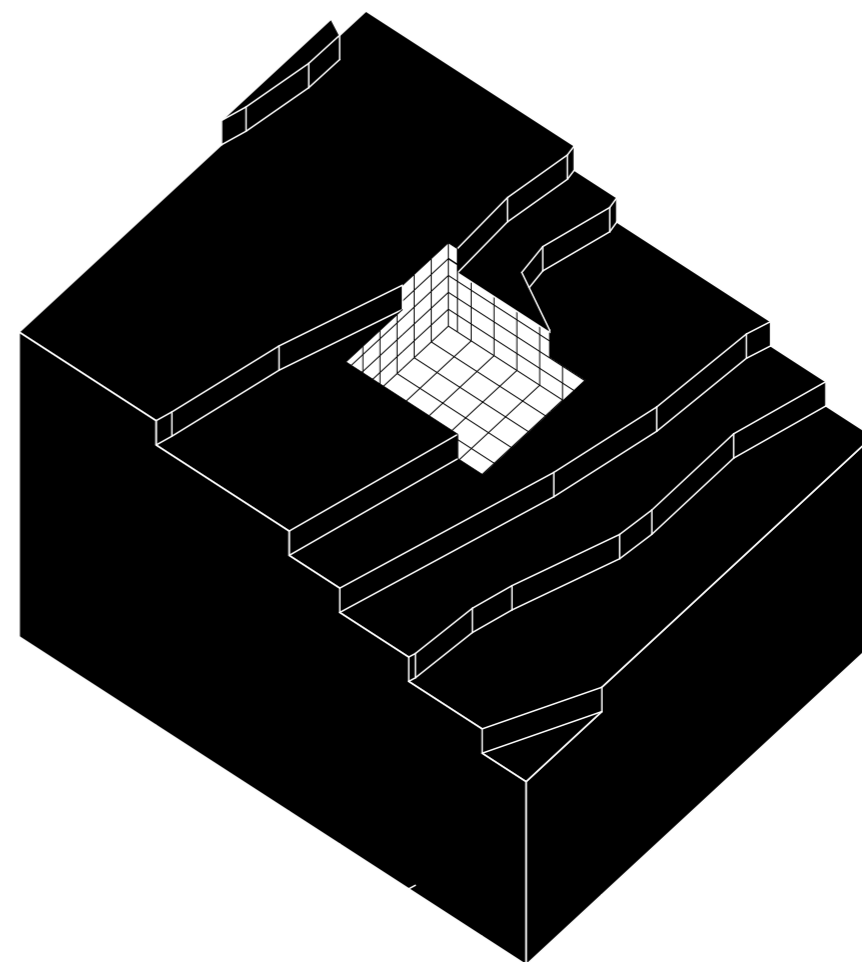


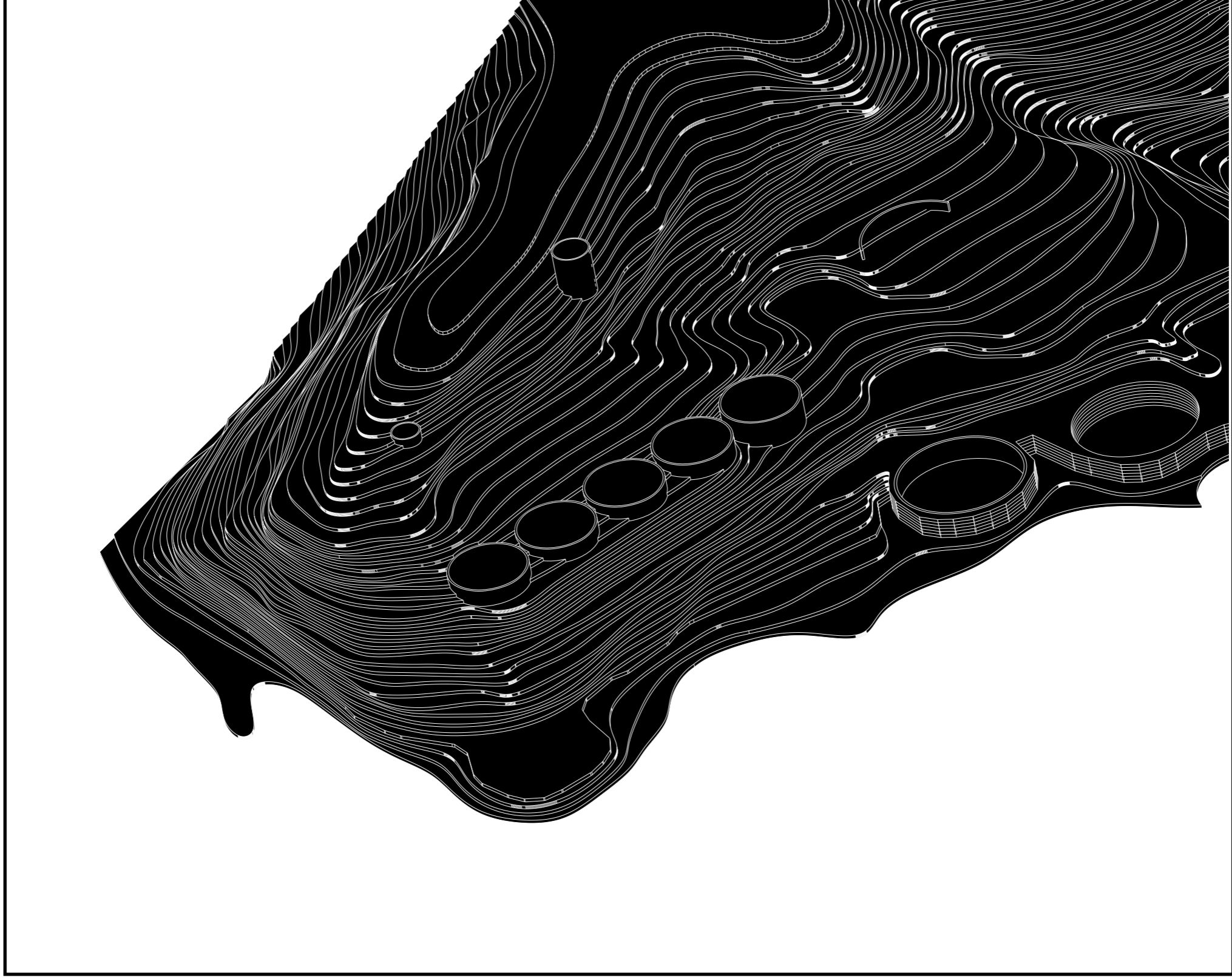


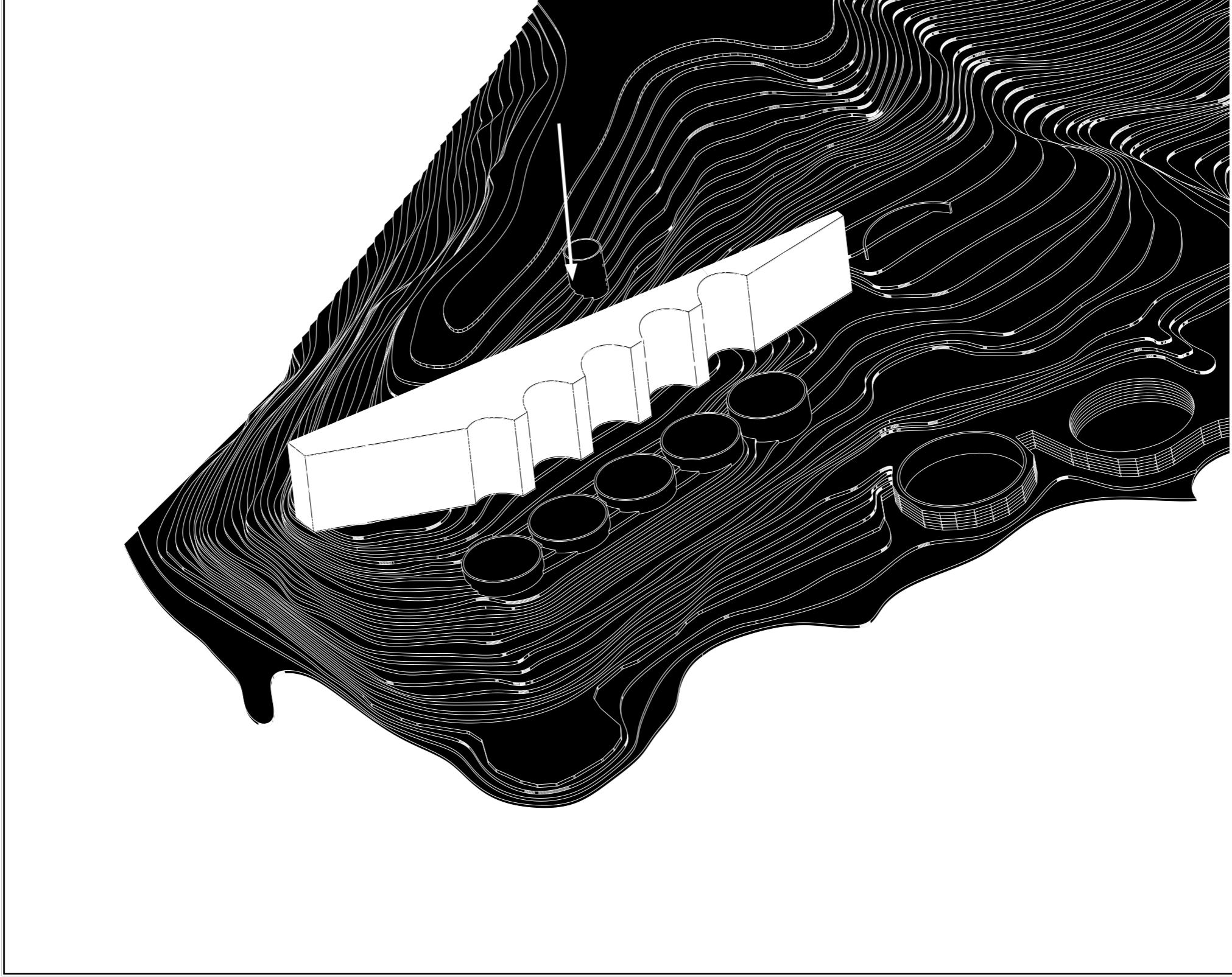
Addition

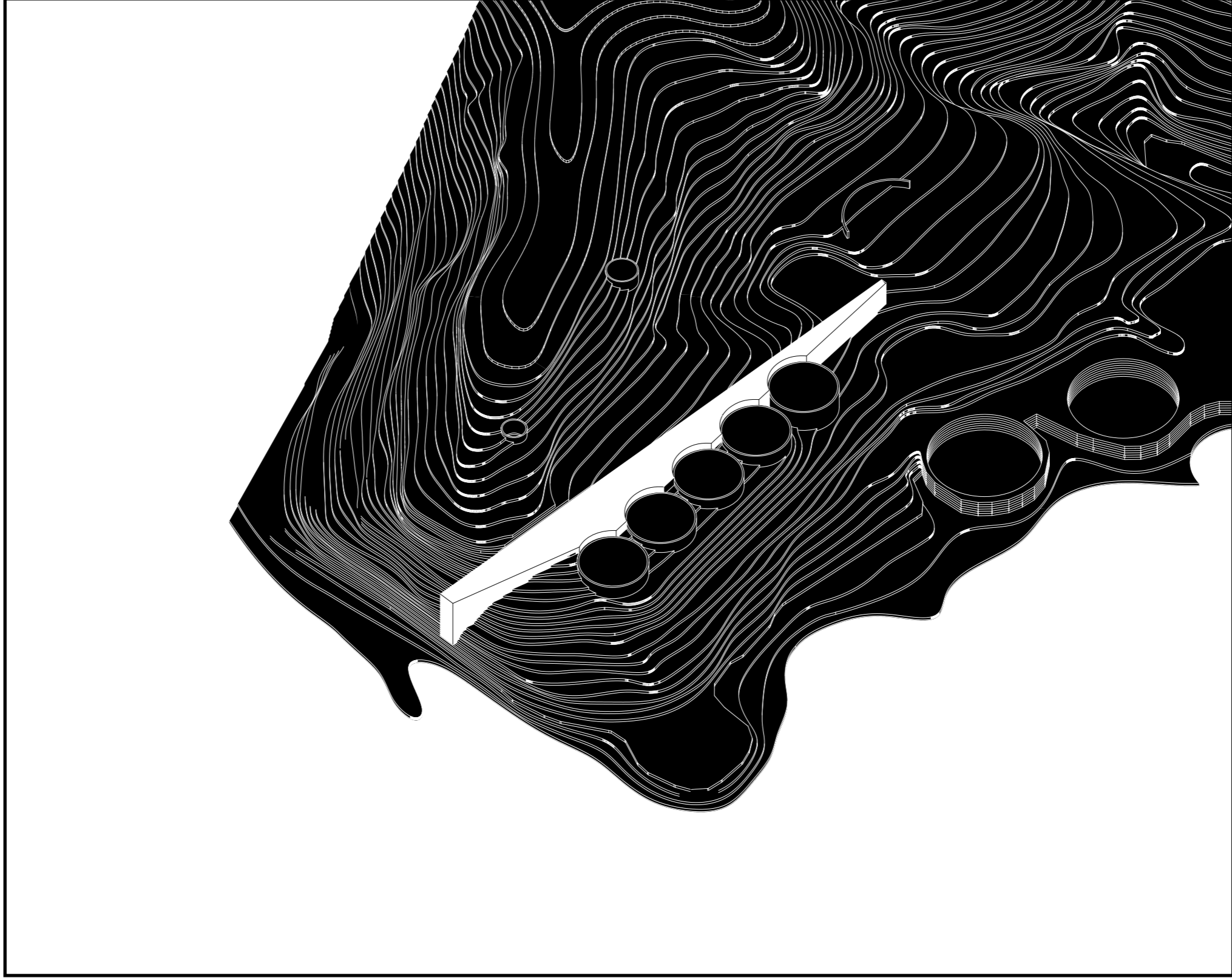


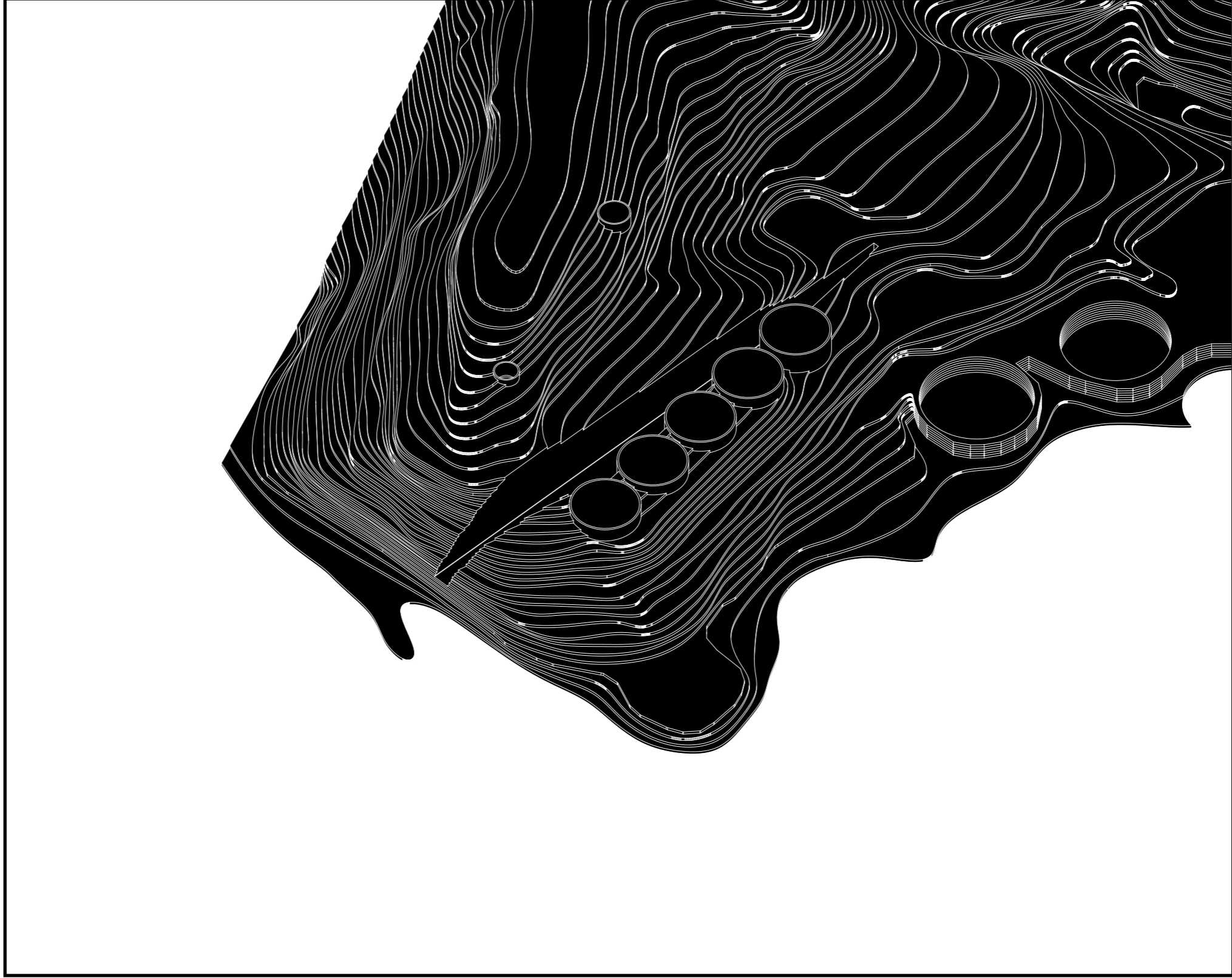
Subtraction



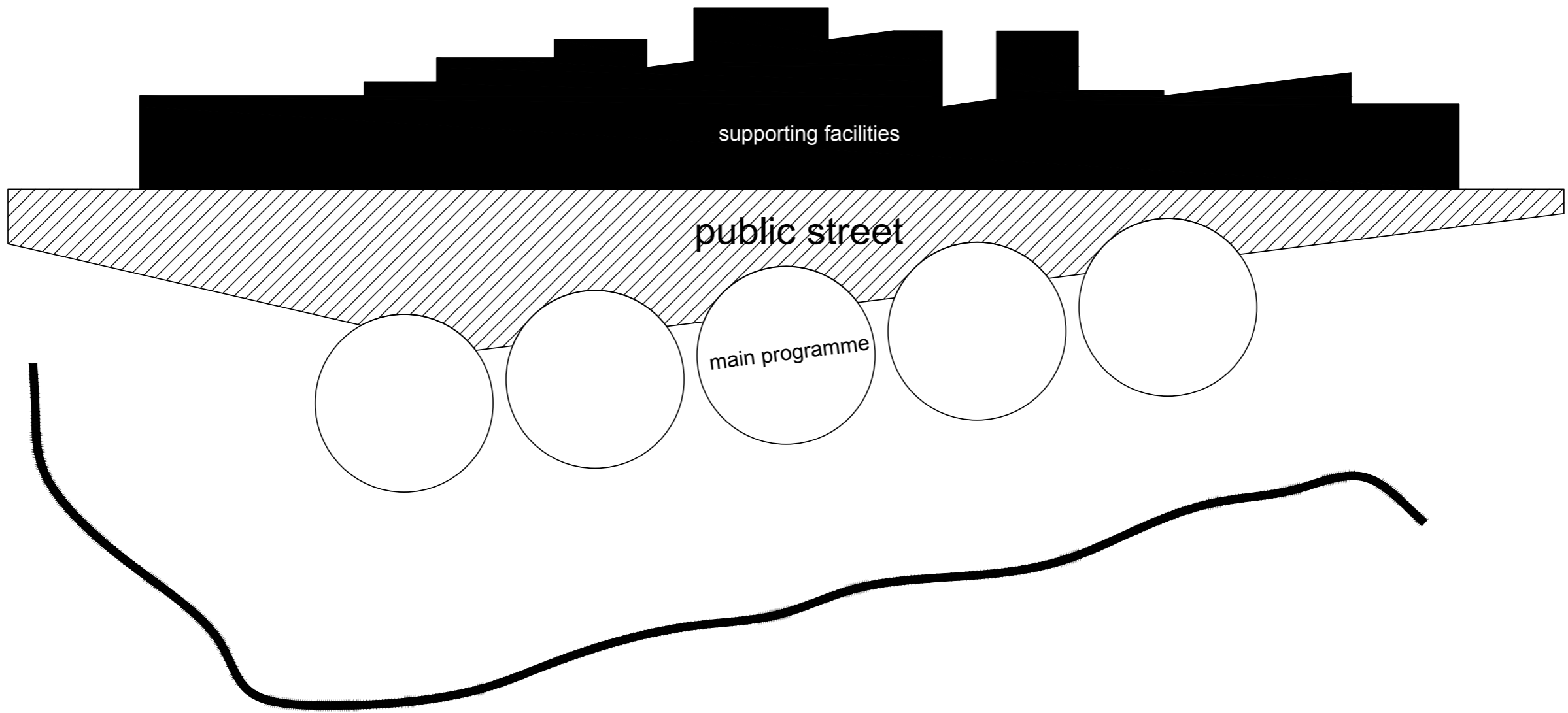


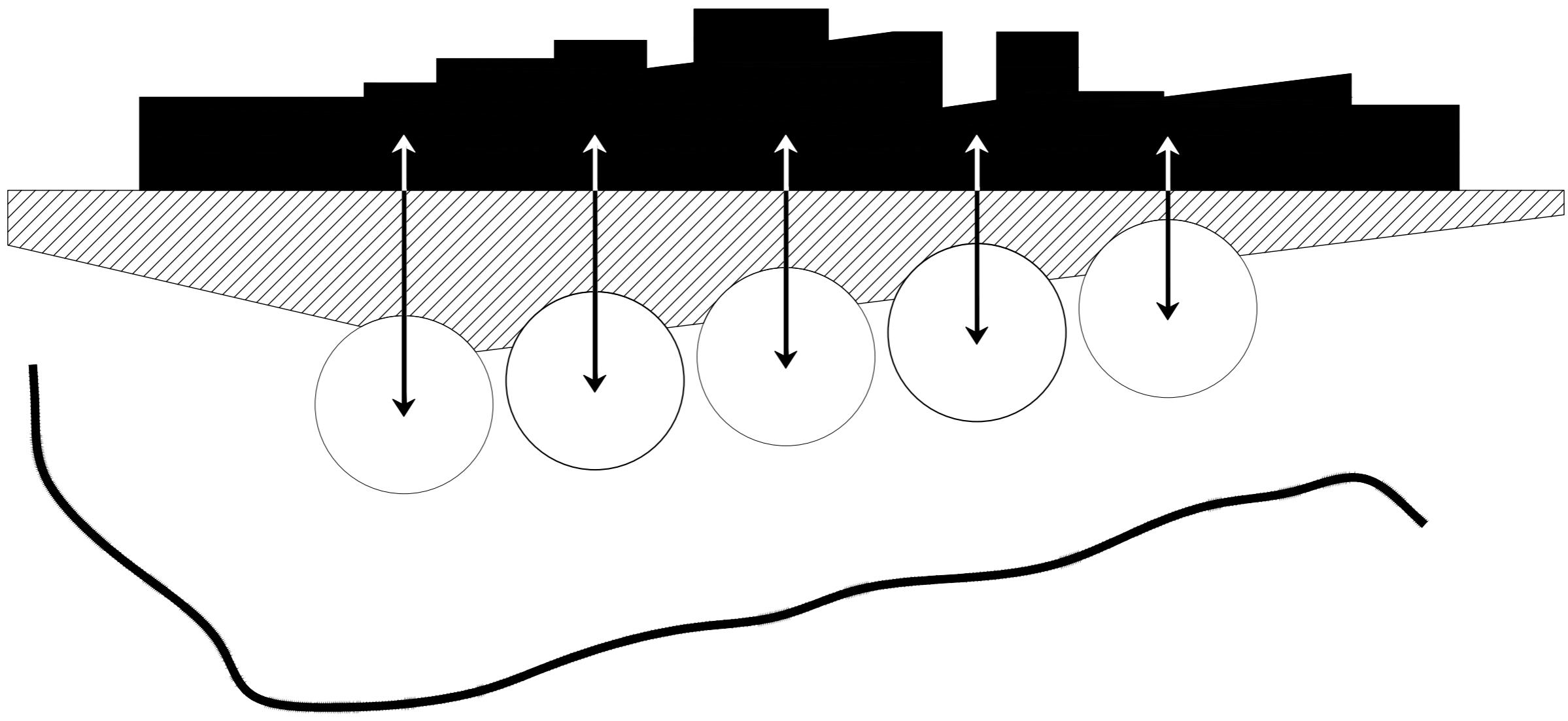




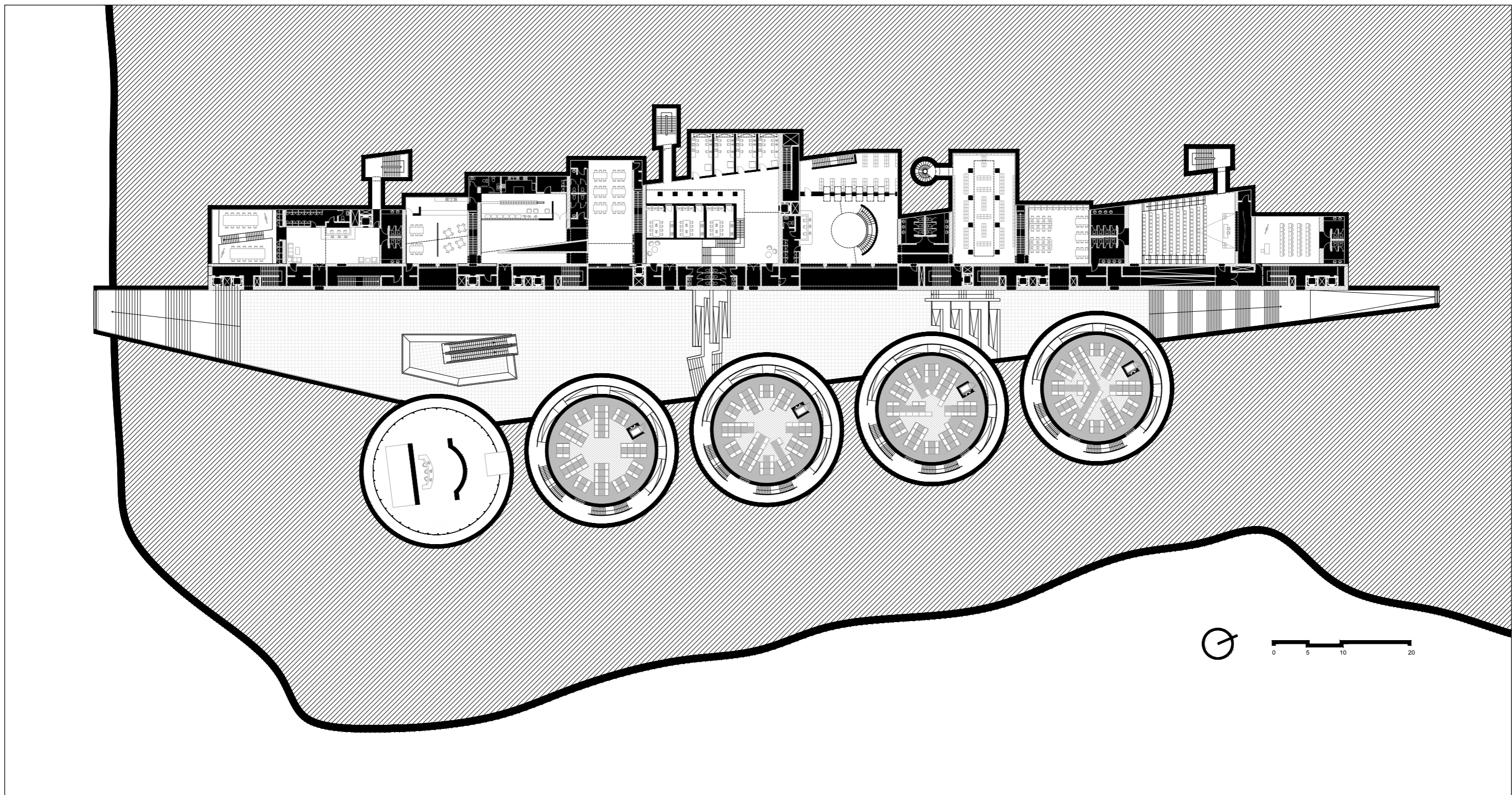


2. // Programmatic coordination & formal articulation

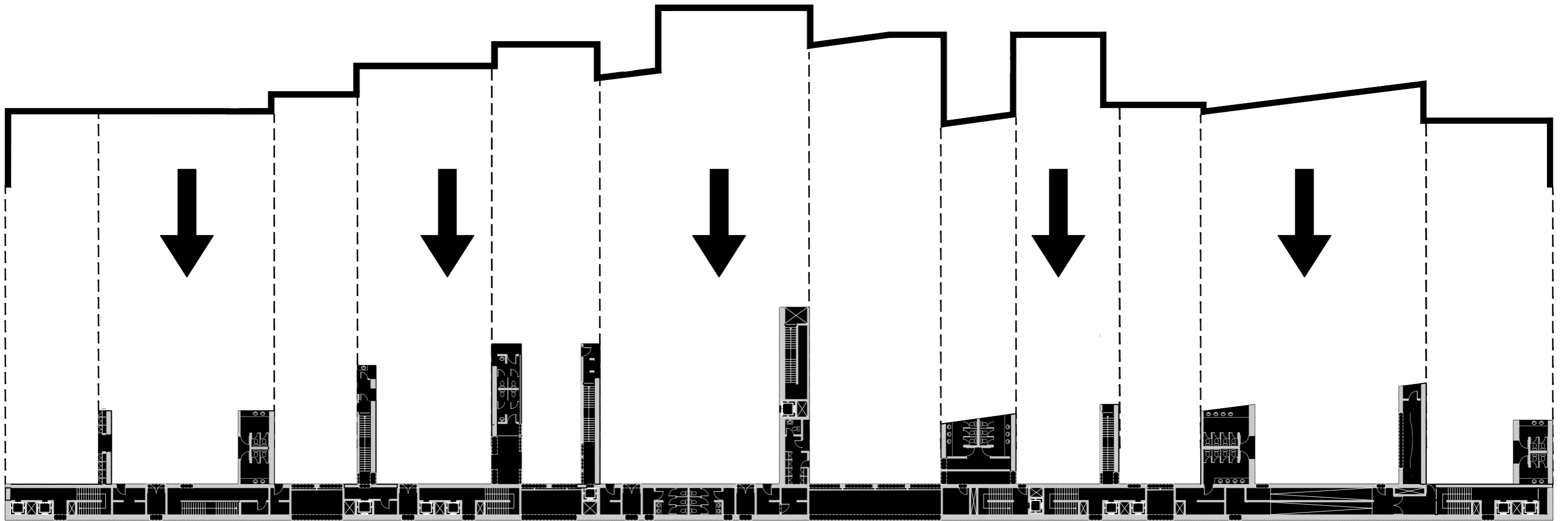






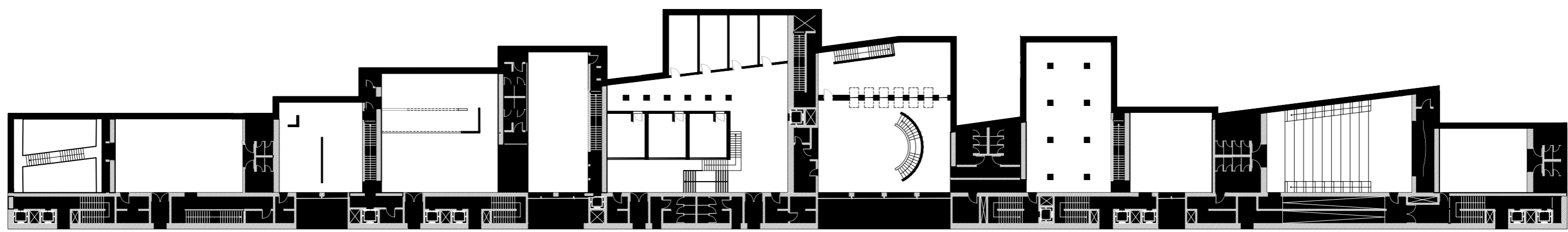


excavation boundary

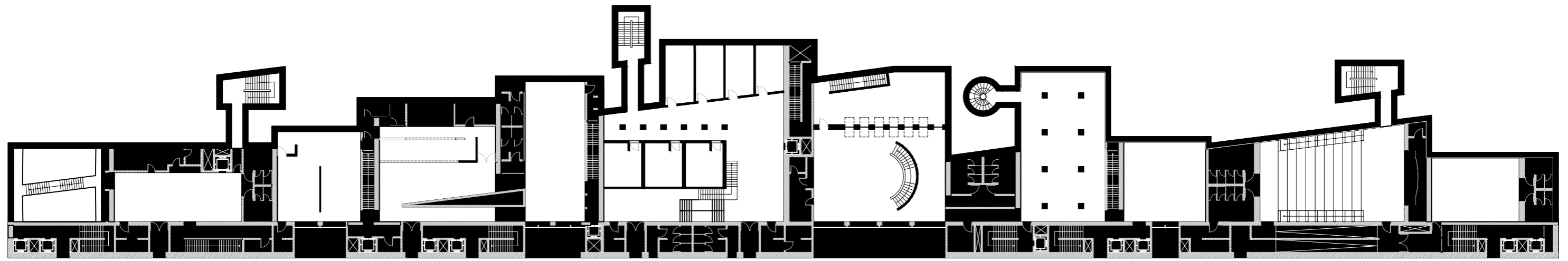


double wall service system

The black spaces



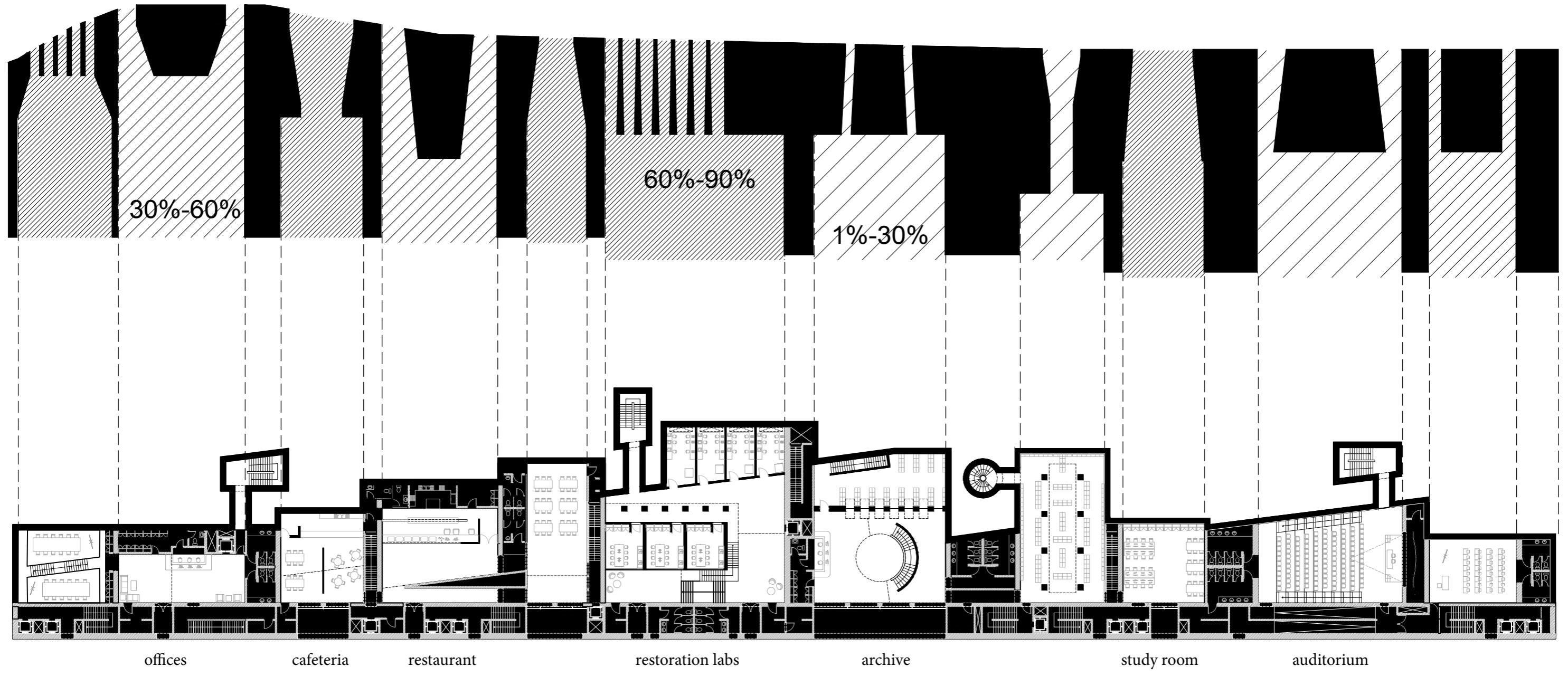
The white spaces



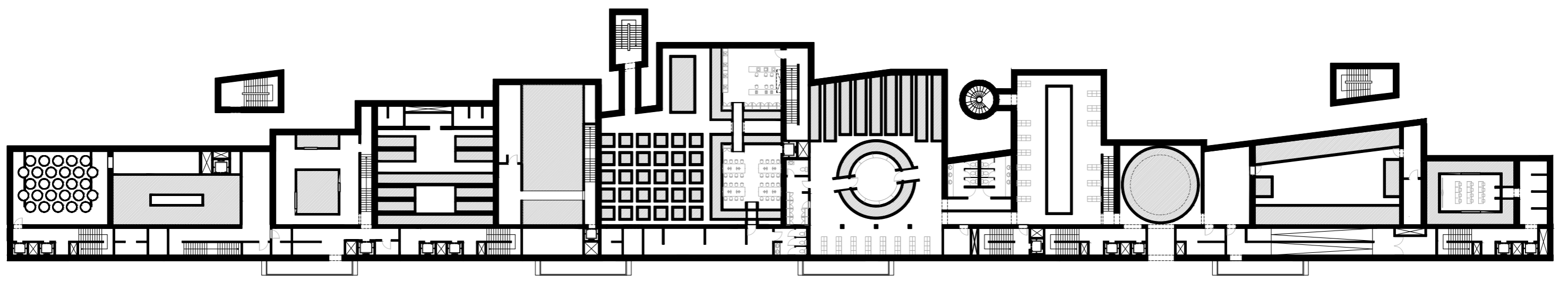
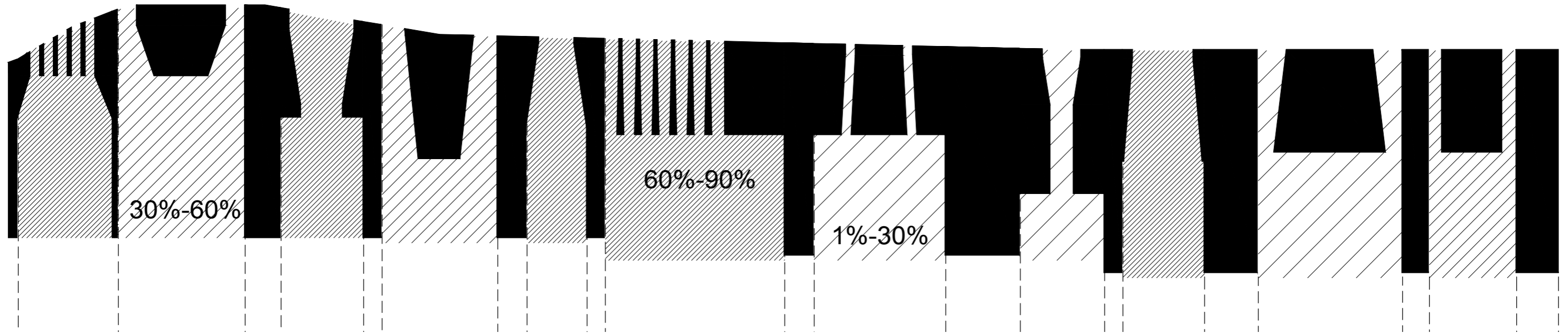
emergency escapes



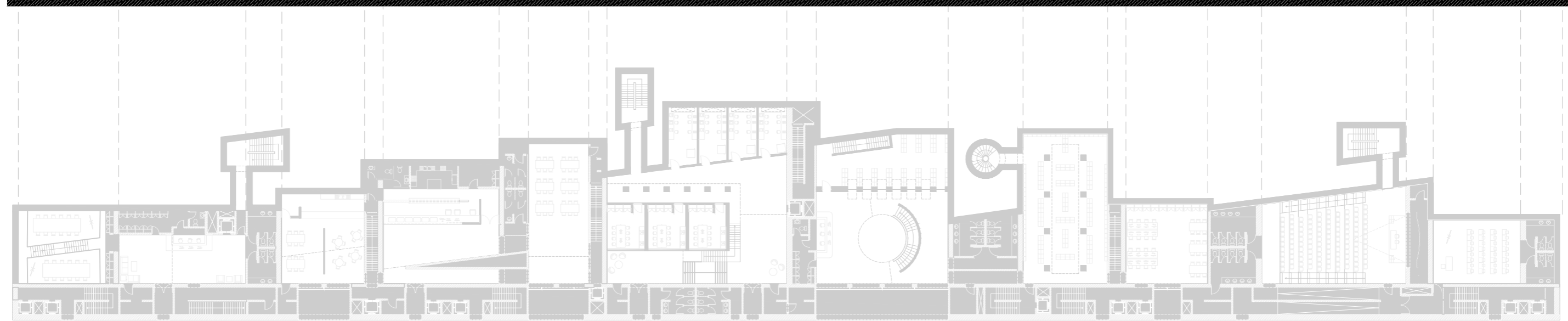
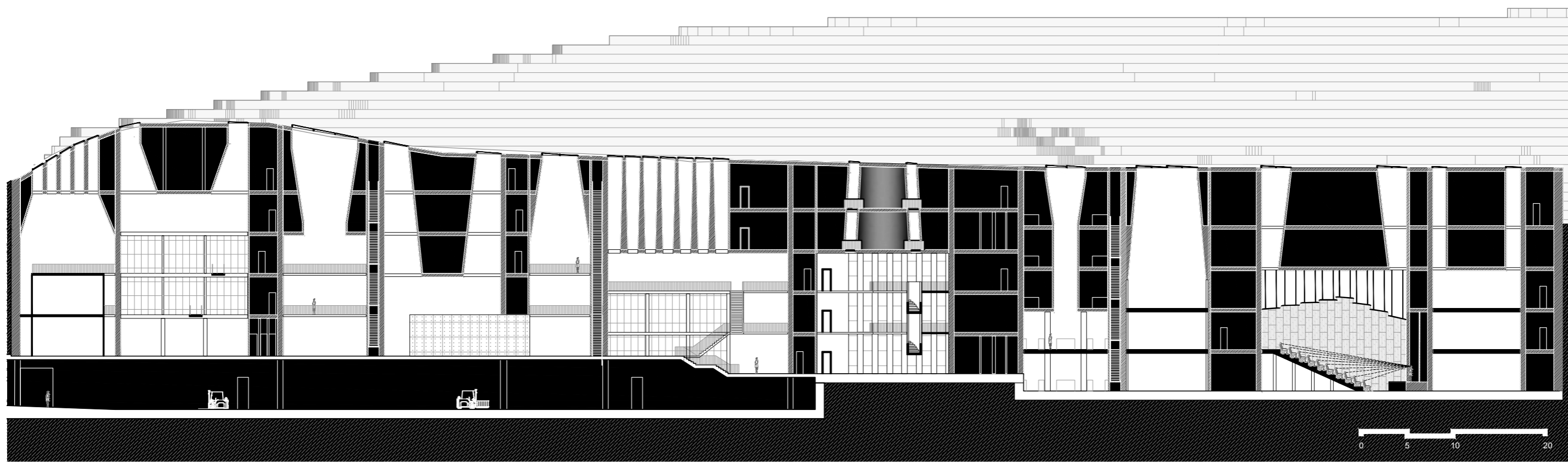
programmatic organization according to space & light demands



Light shafts as generators of different light qualities

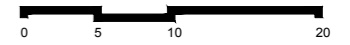
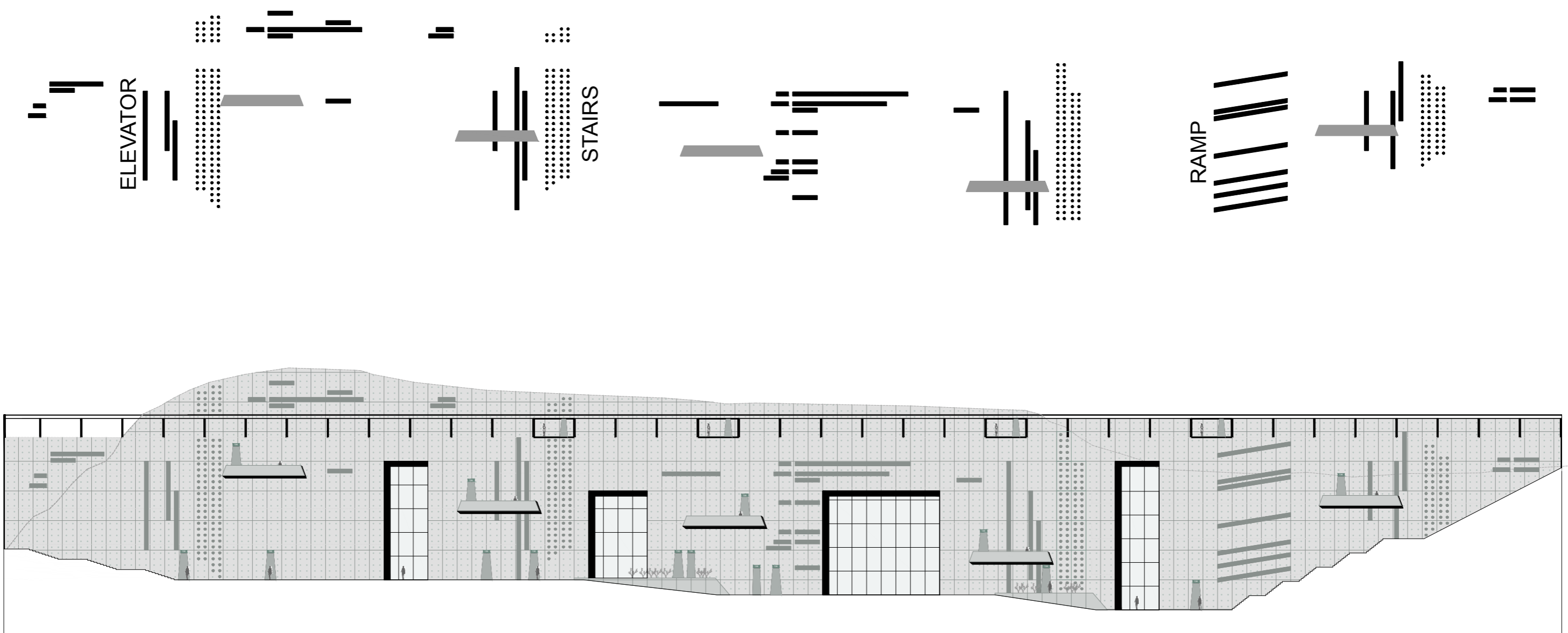


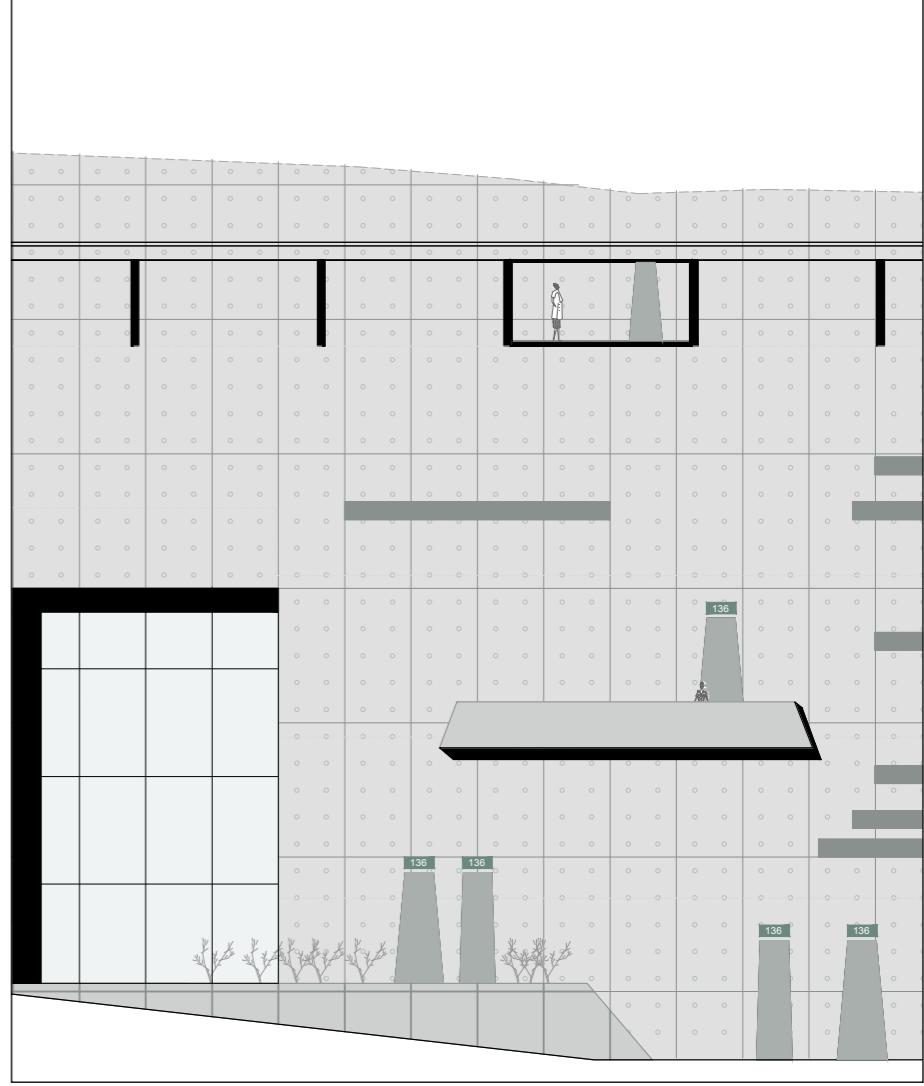
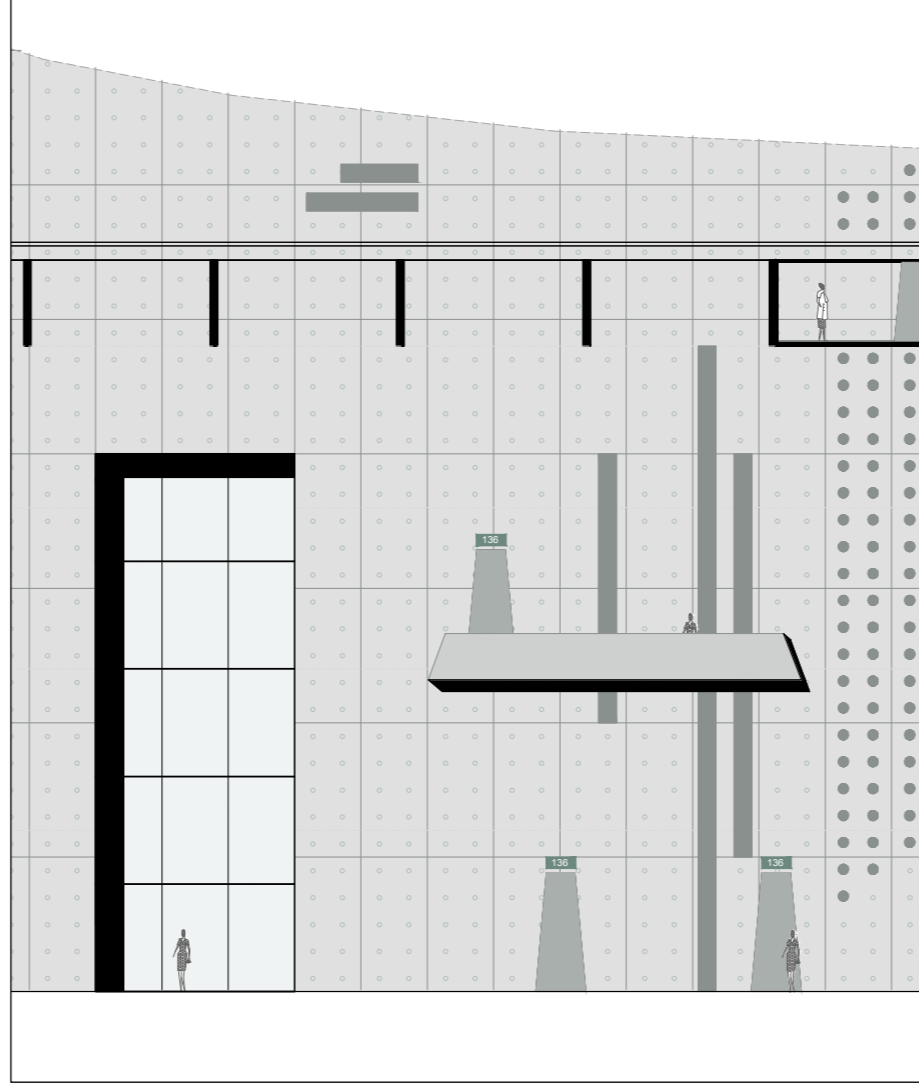
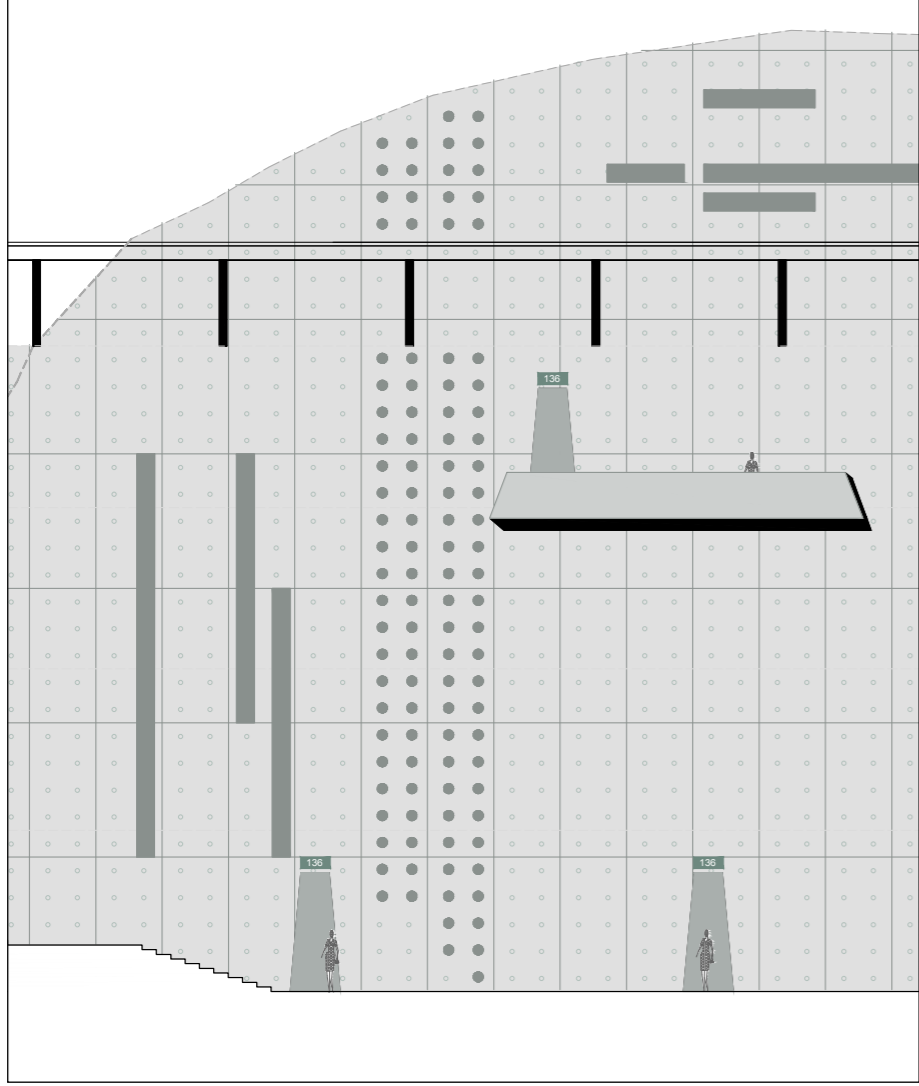
Light shafts as spaces



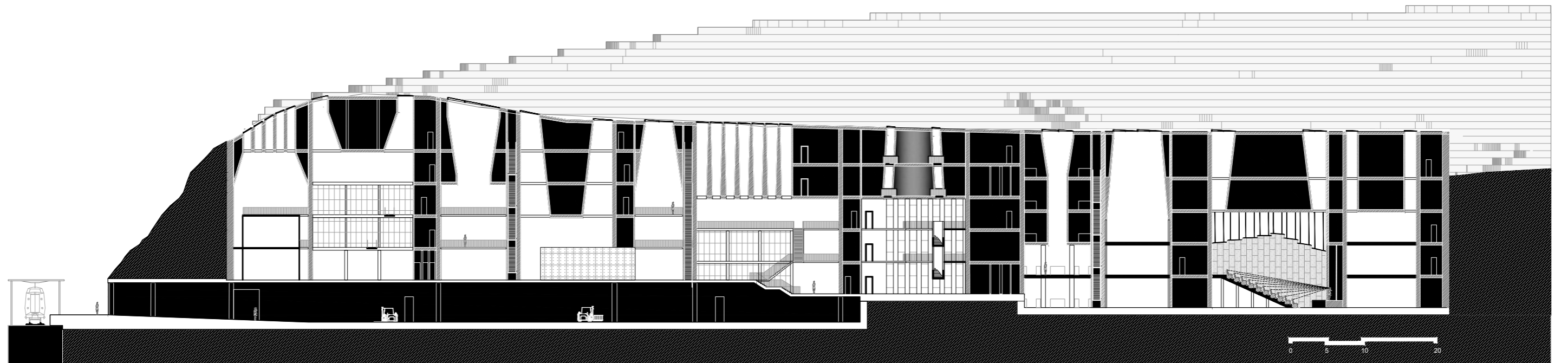
operational system of plan = operational system of section



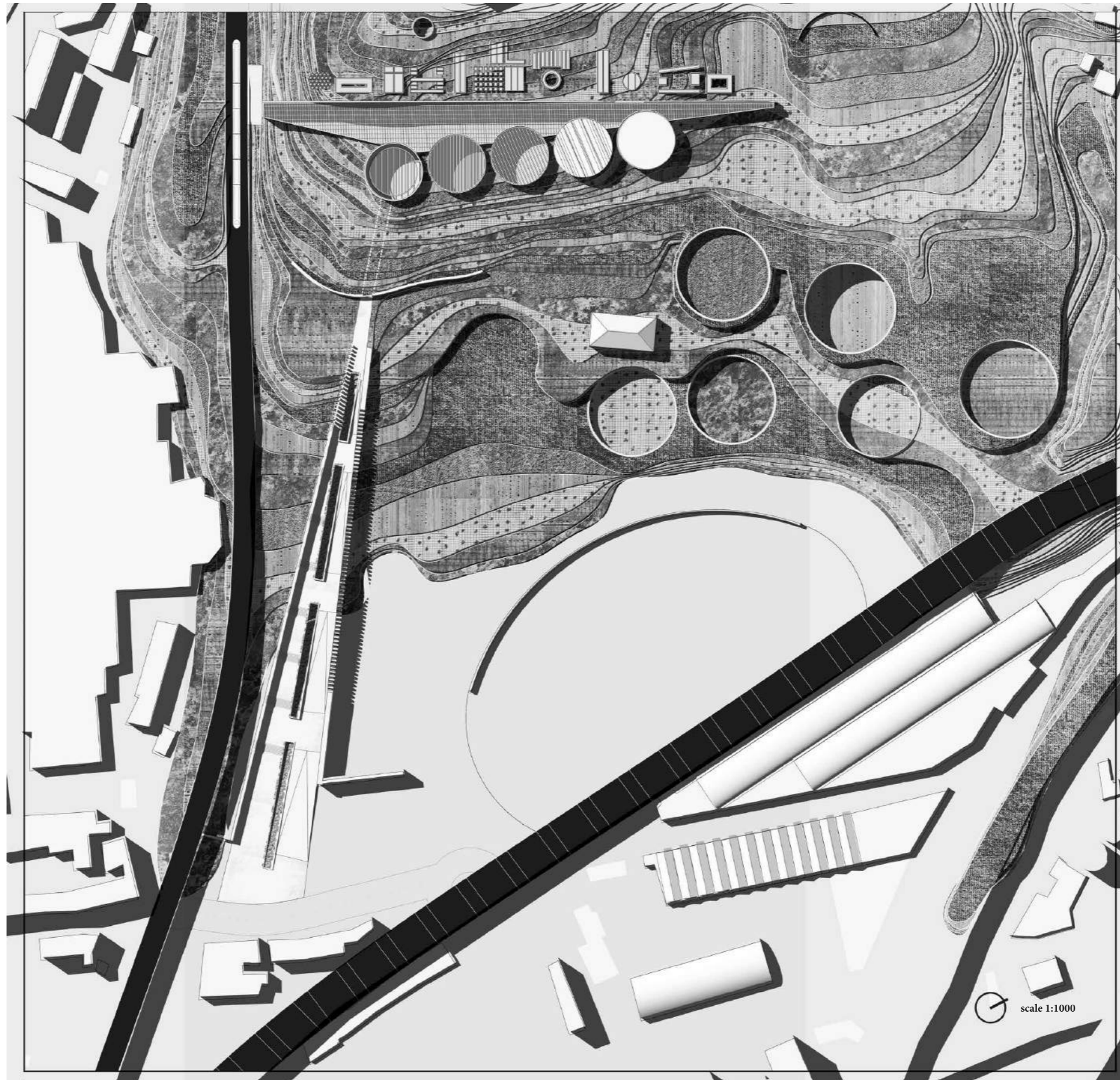




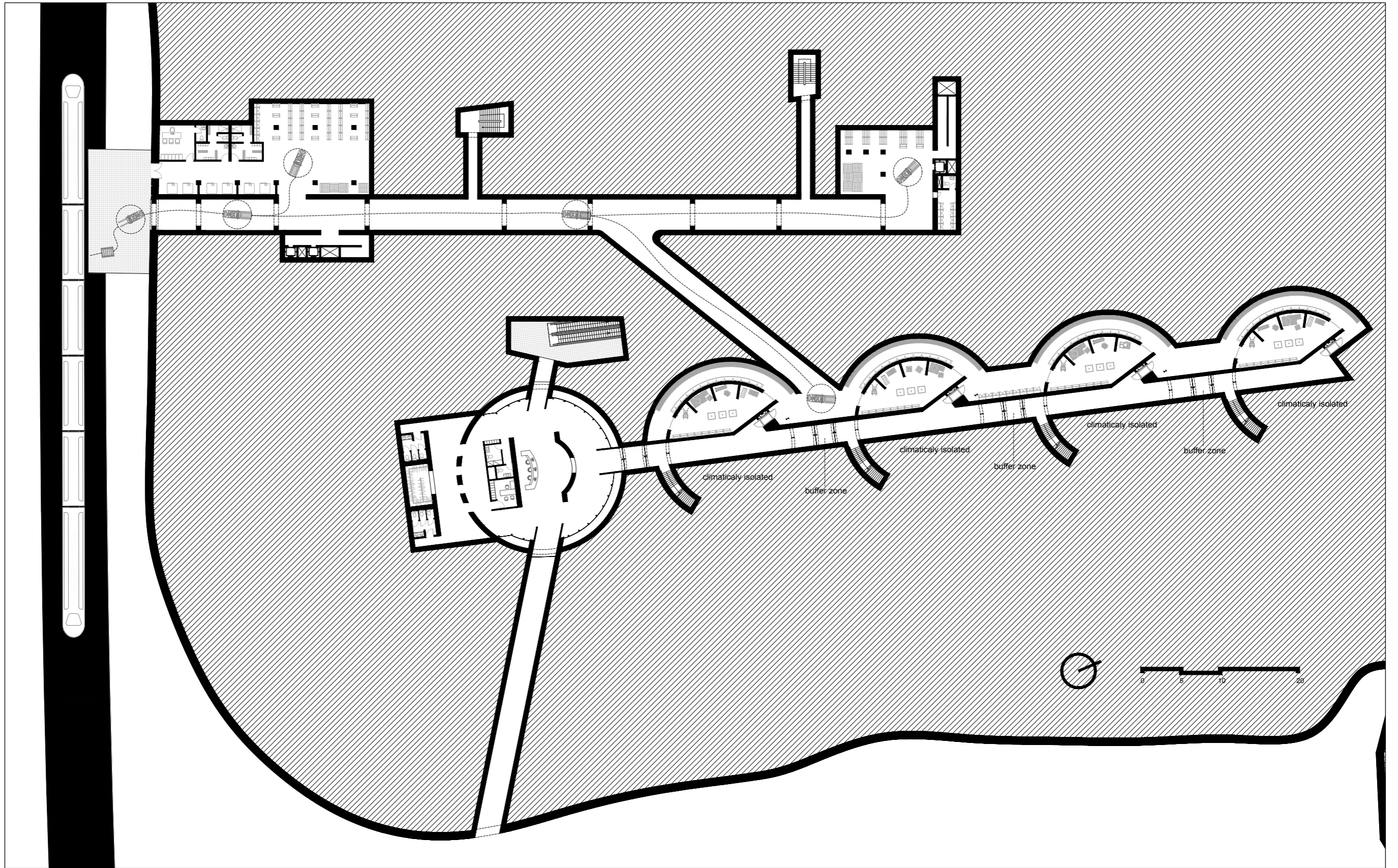
### 3. // Operation as a system

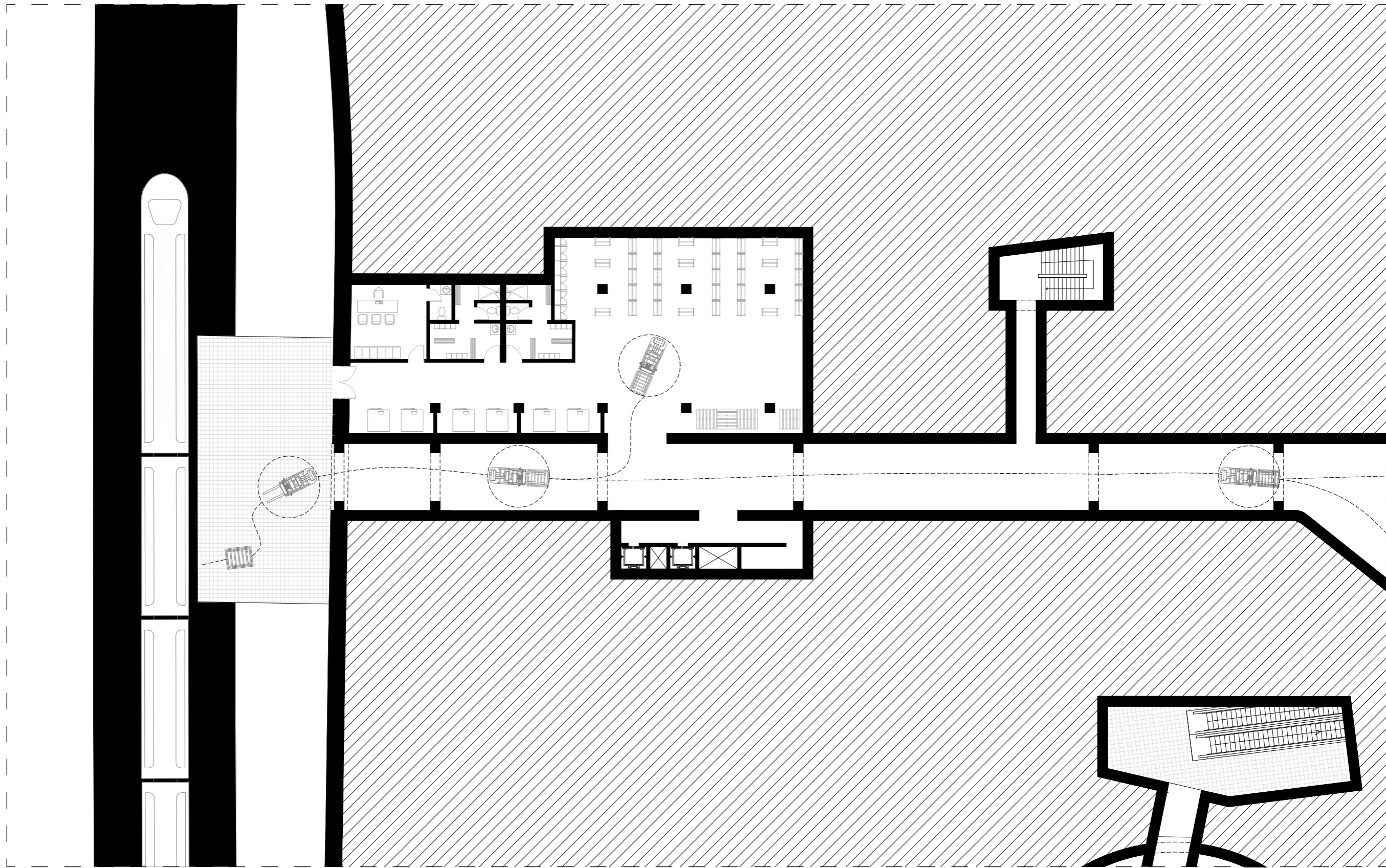


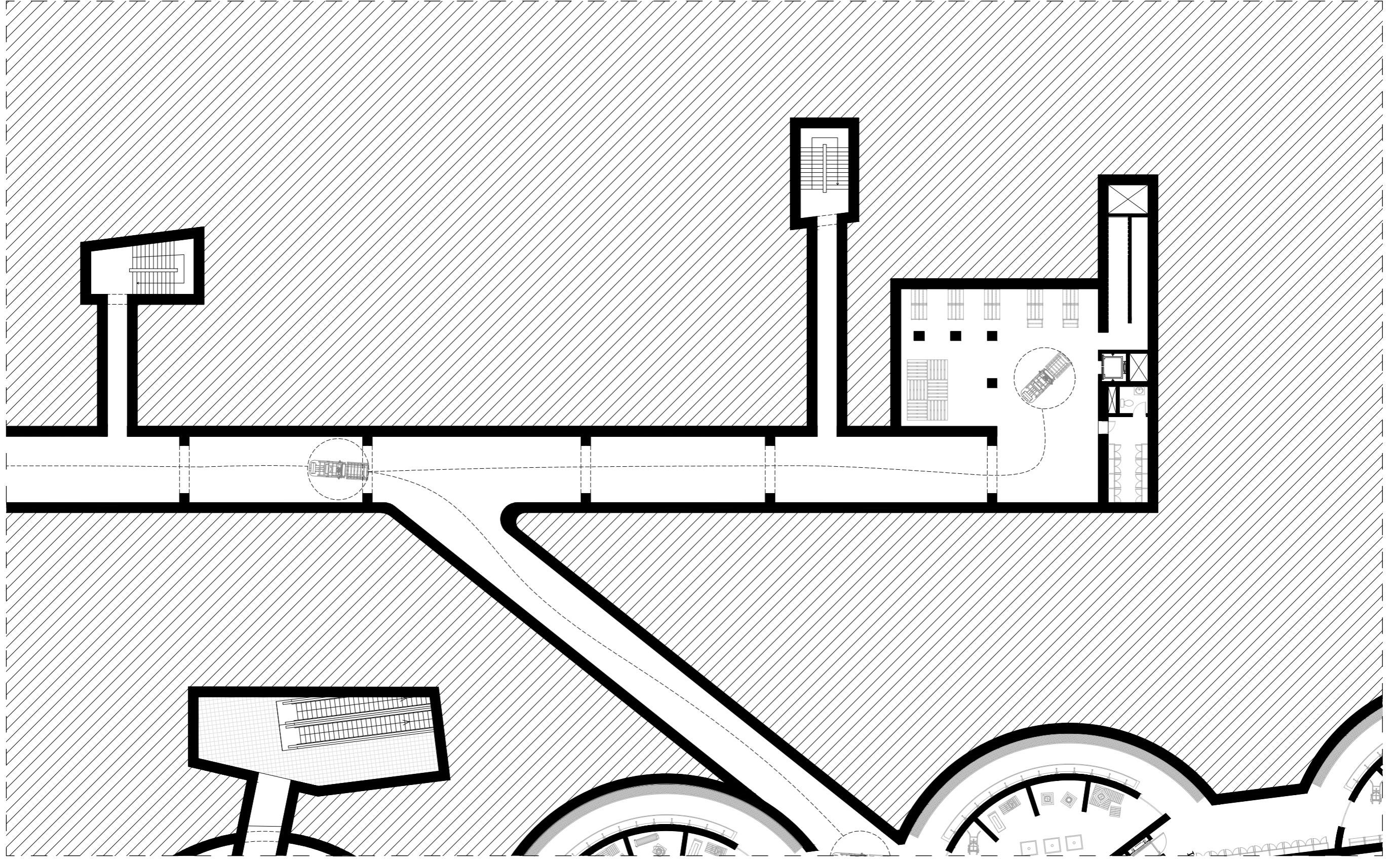
Logistics corridor



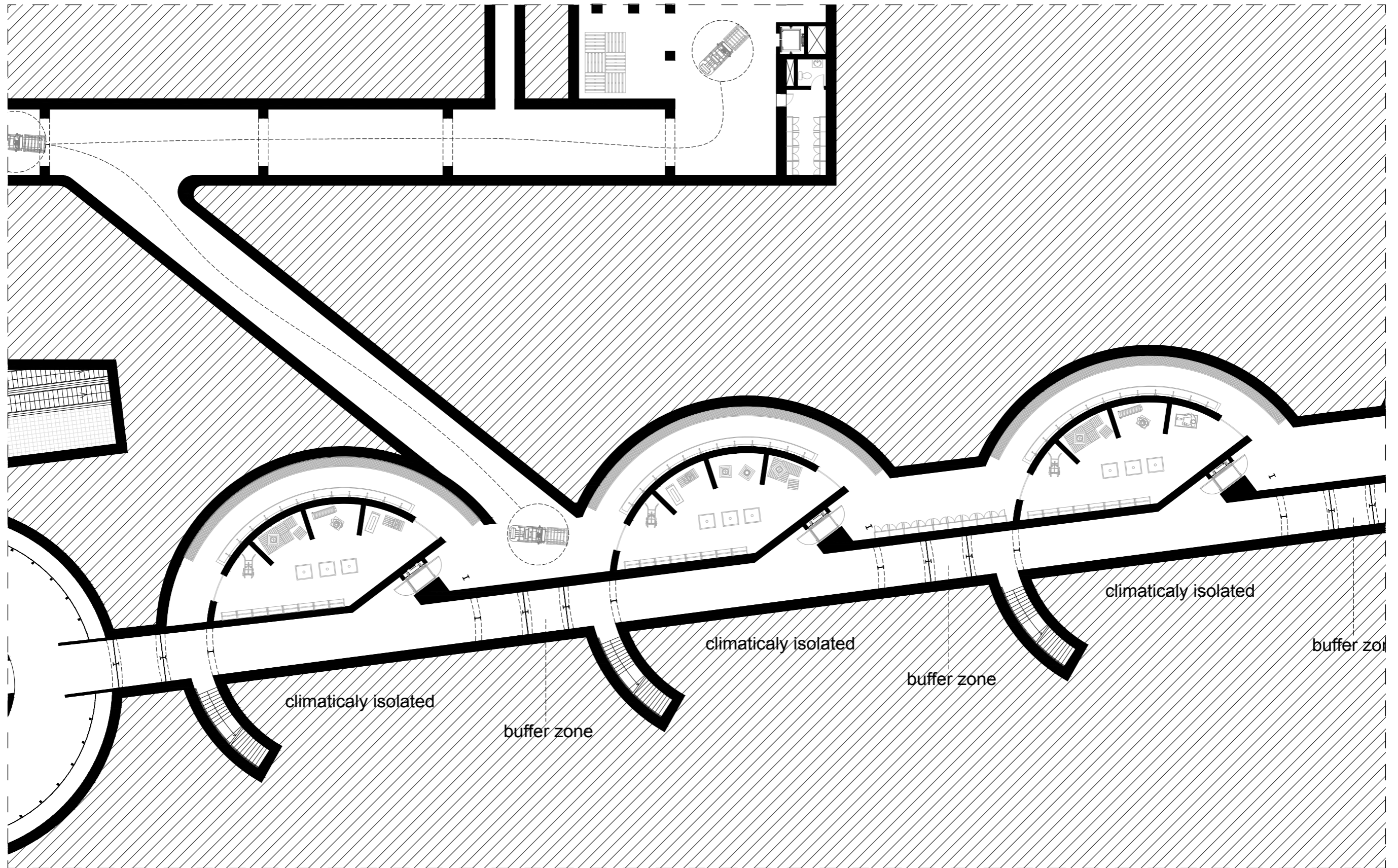
Adjacency to abandoned railway

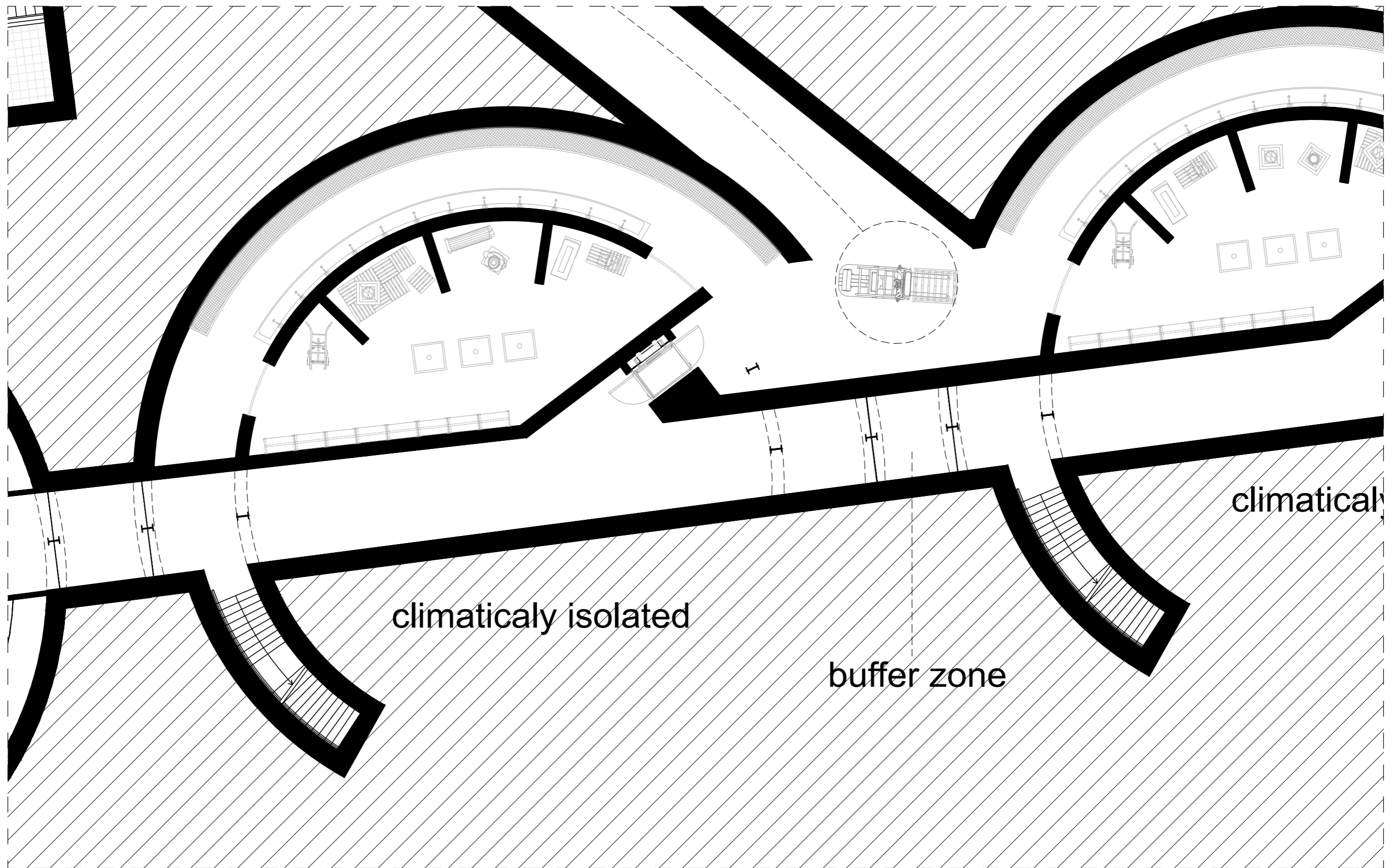


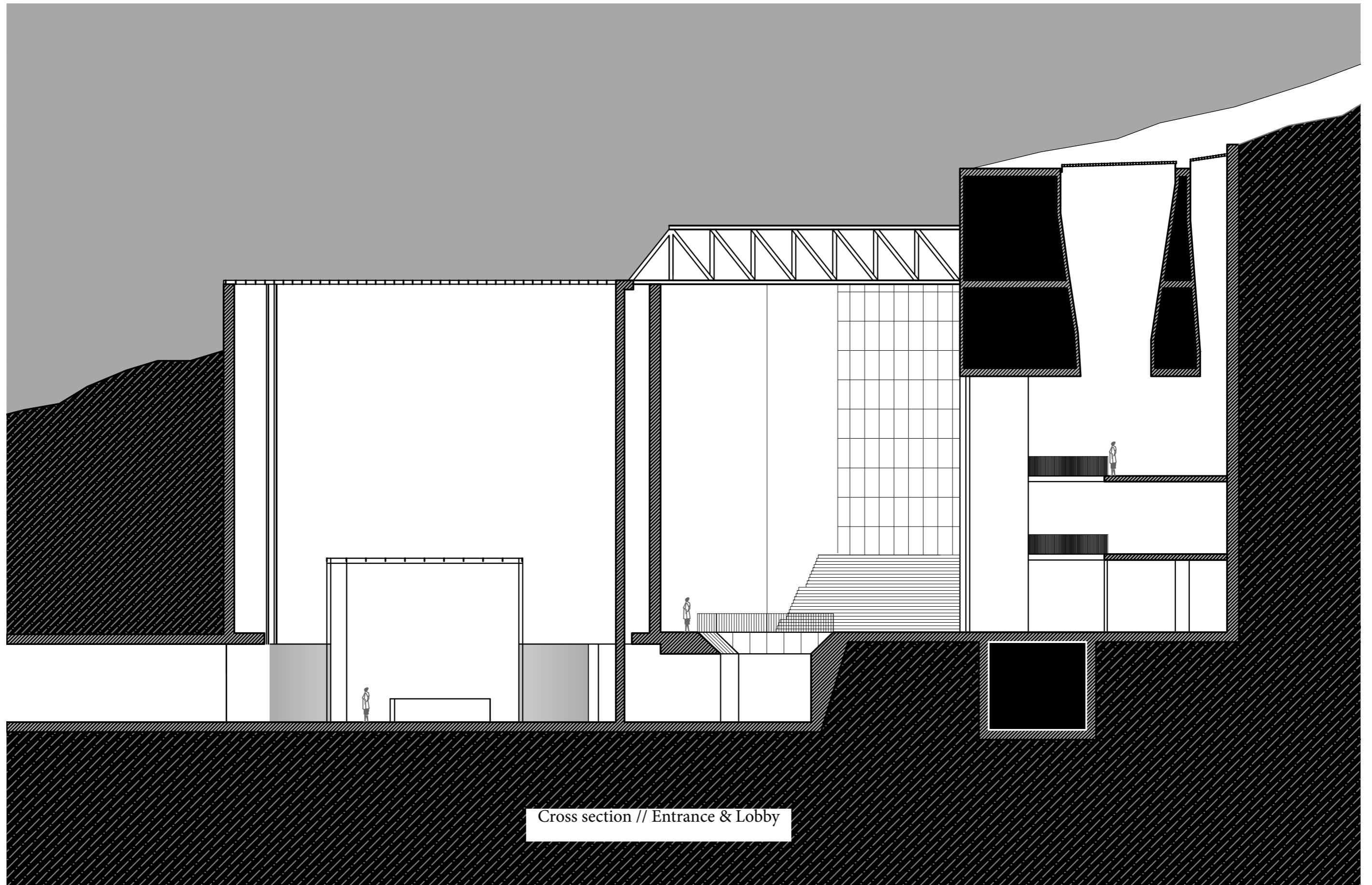




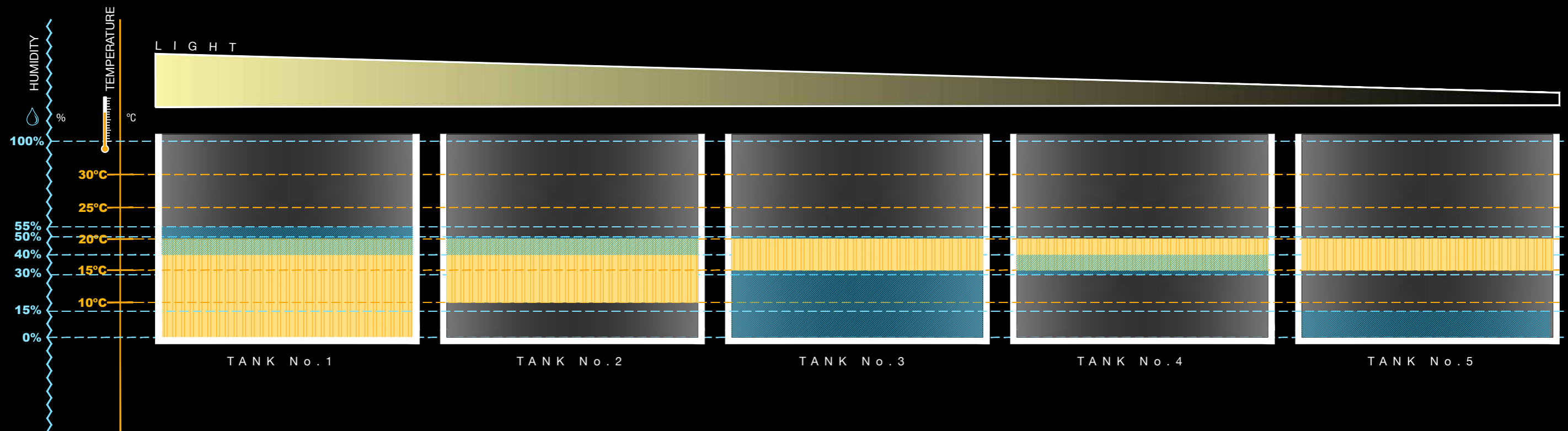






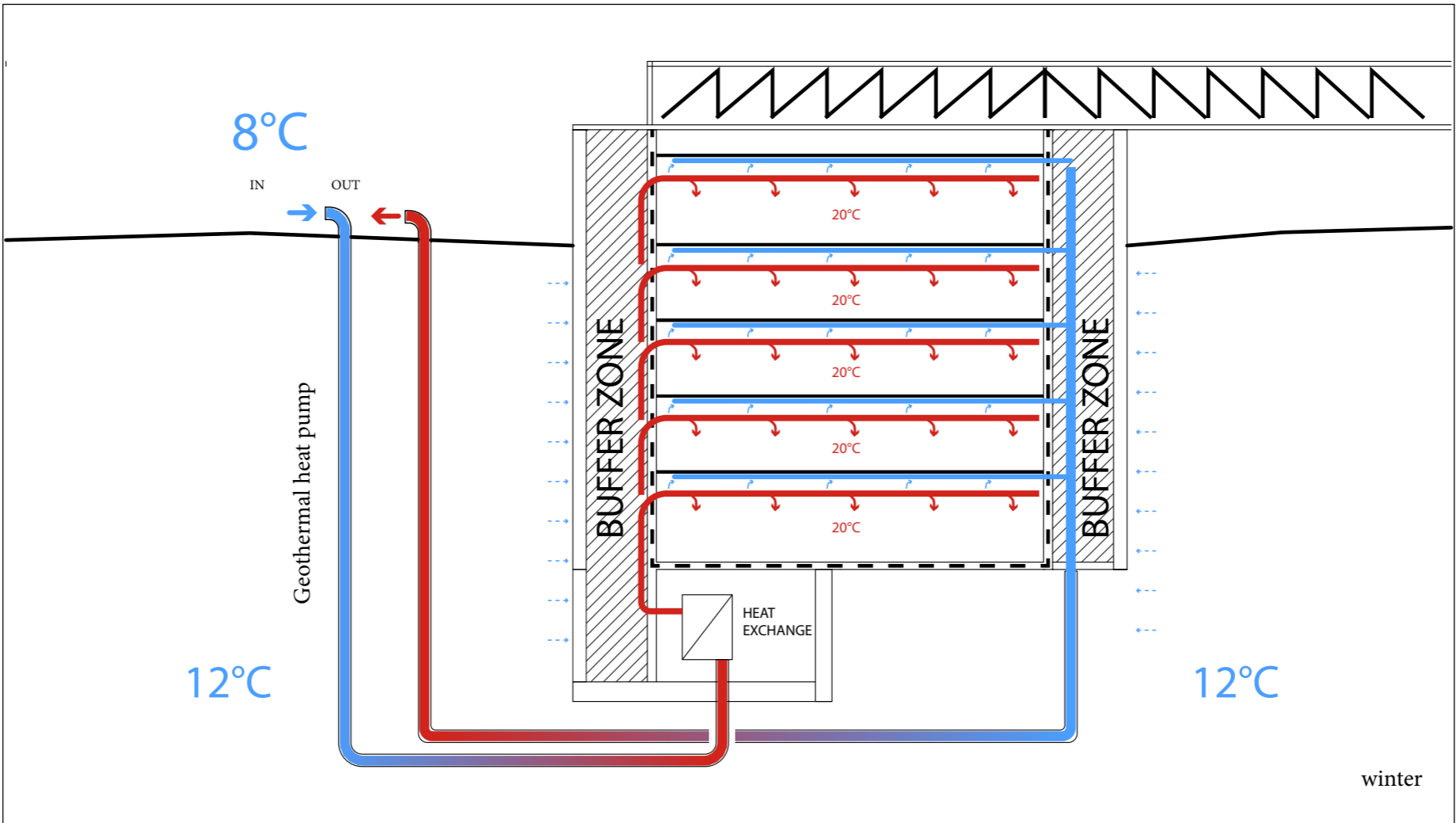
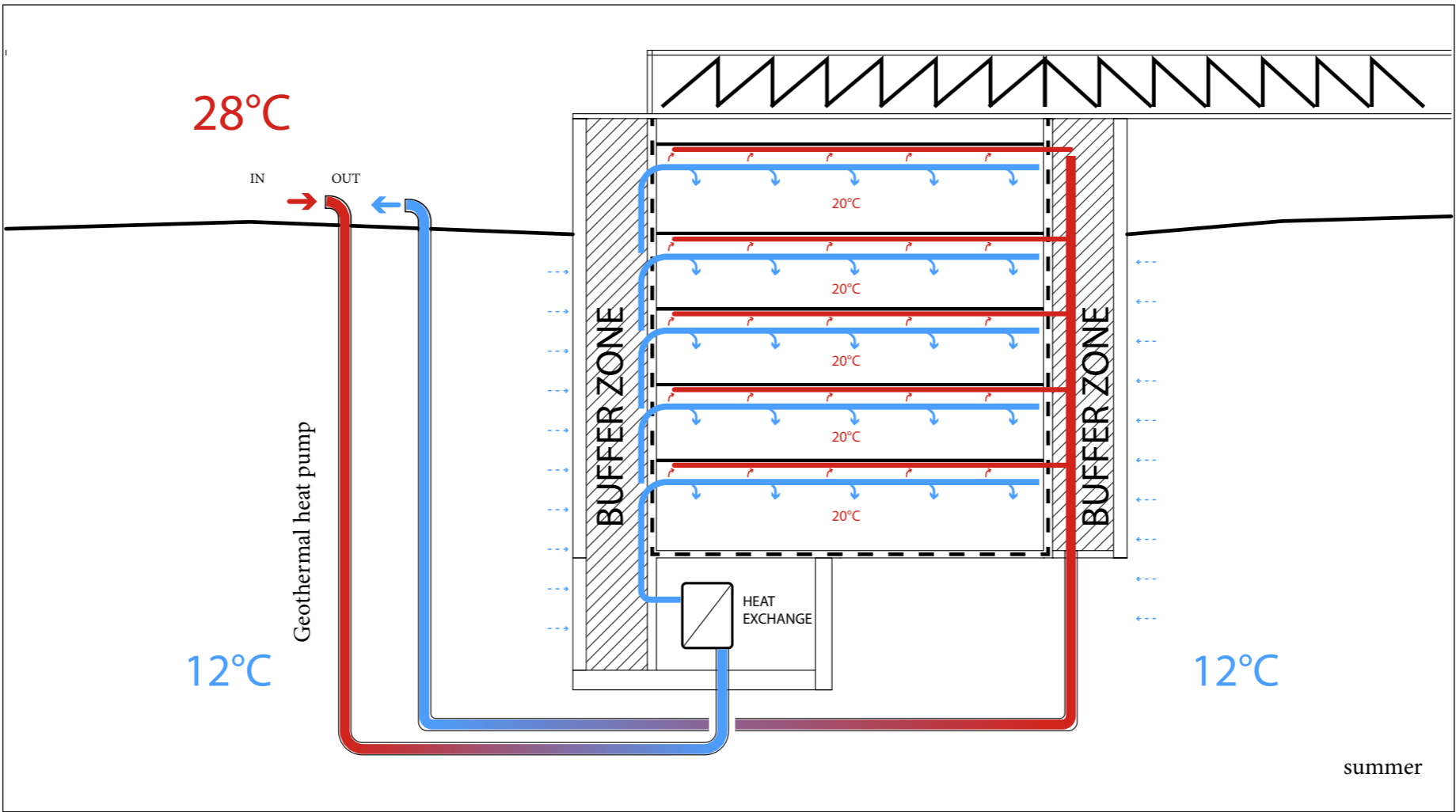


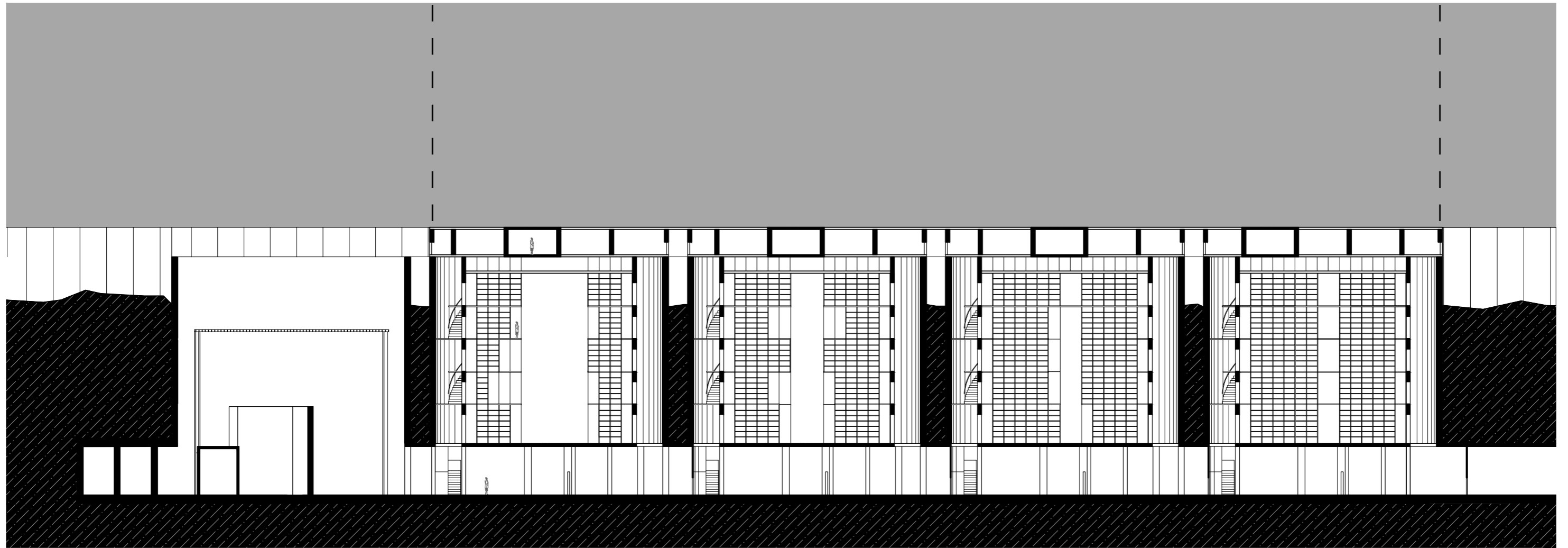
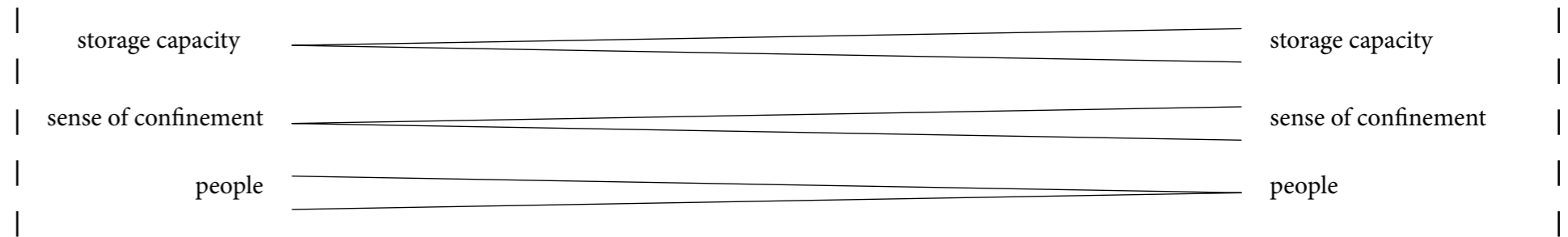
Cross section // Entrance & Lobby



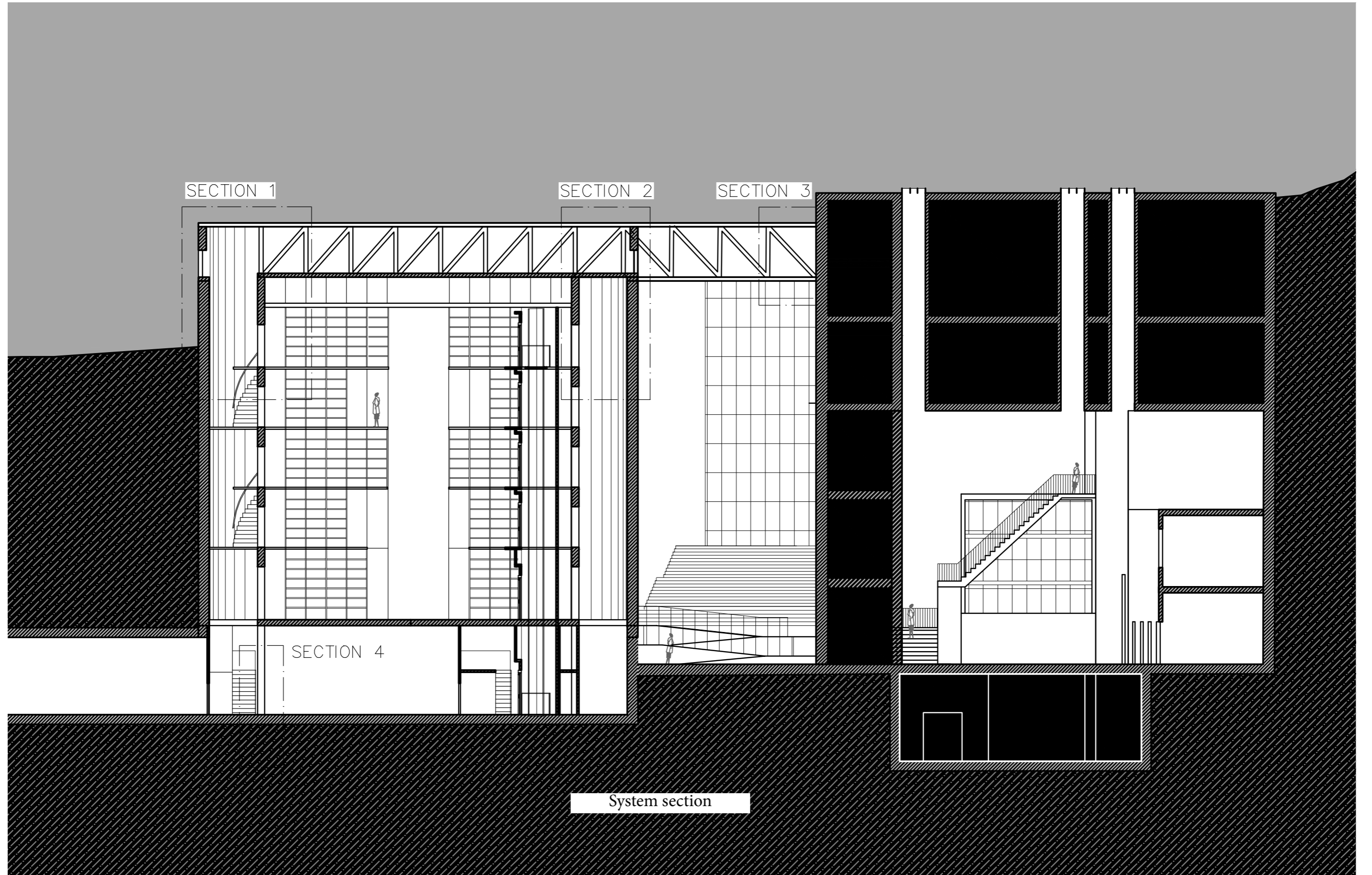
Climatic conditions in each tank

Heating & Ventilation systems for extreme climate control





Intimacy of space // sense of confinement



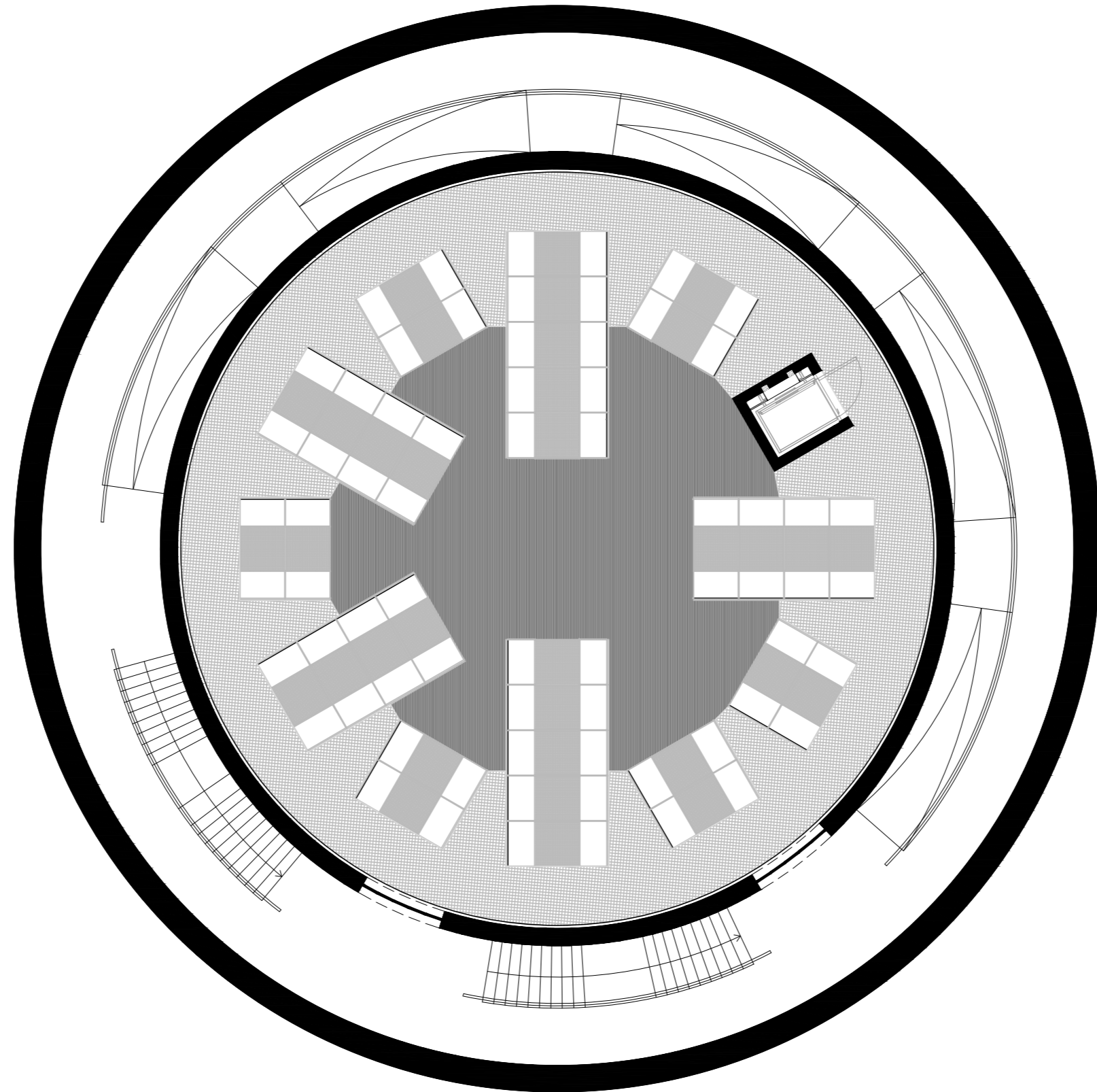
SECTION 1

SECTION 2

SECTION 3

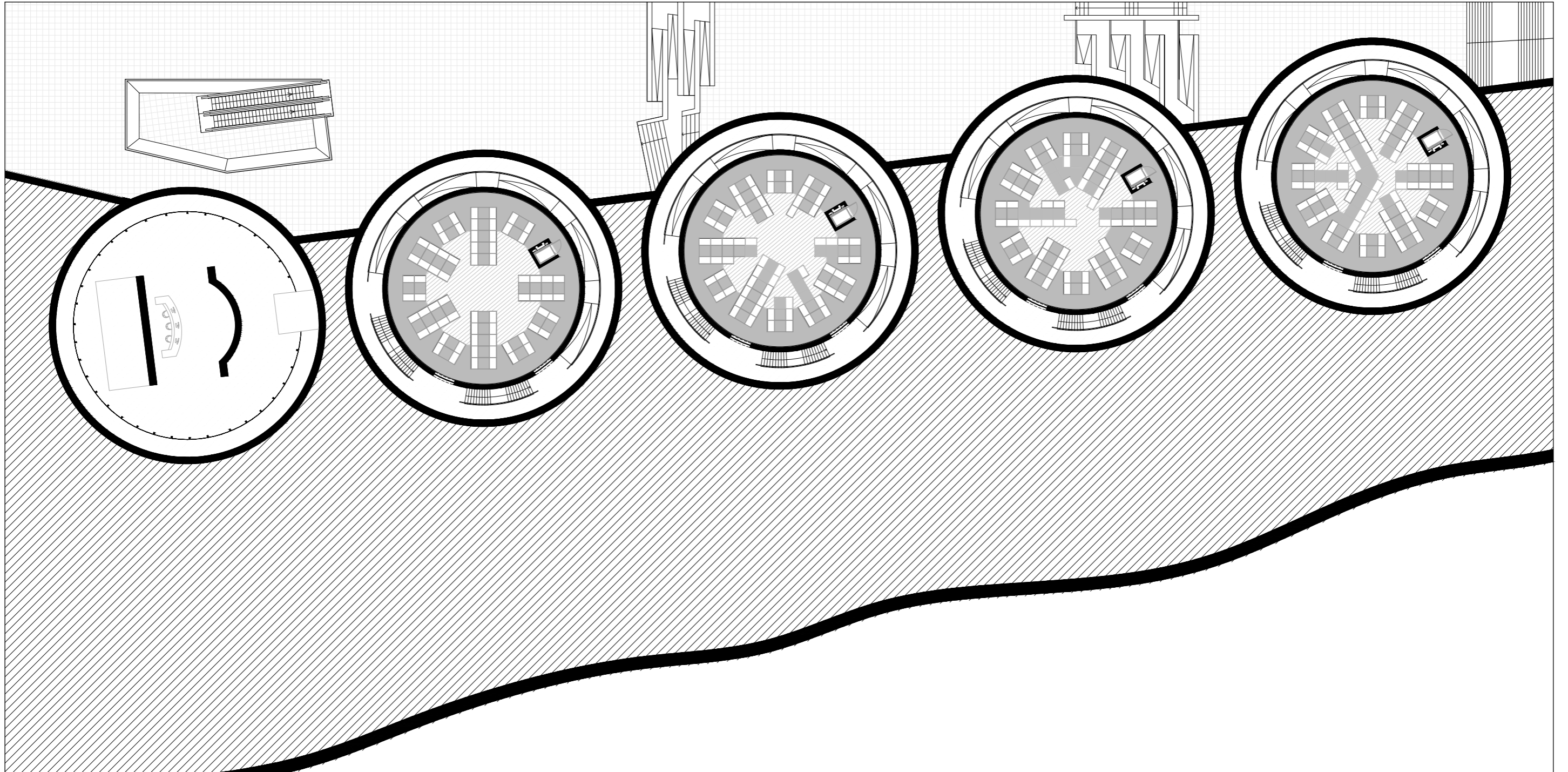
SECTION 4

System section

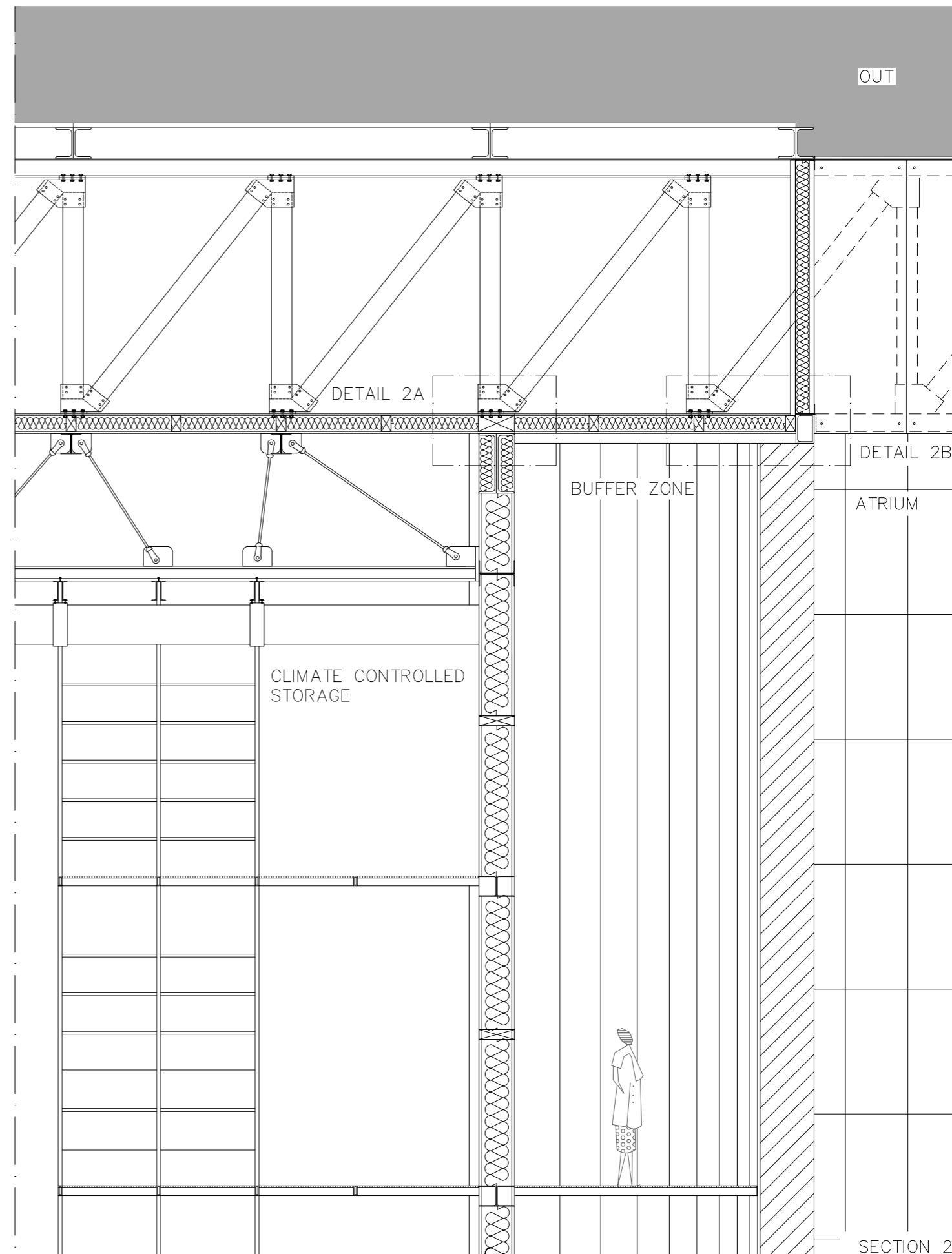
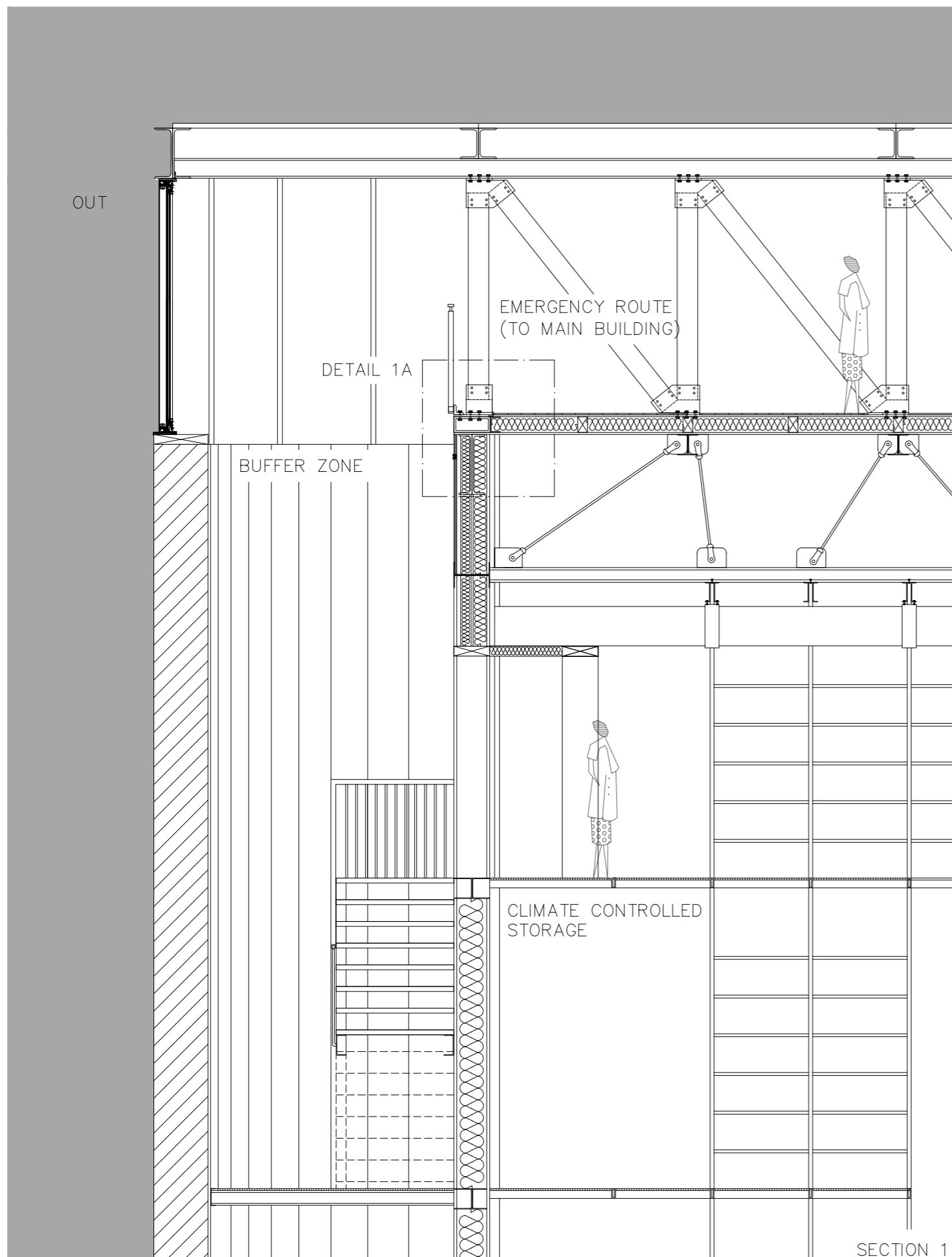


storage space arrangement

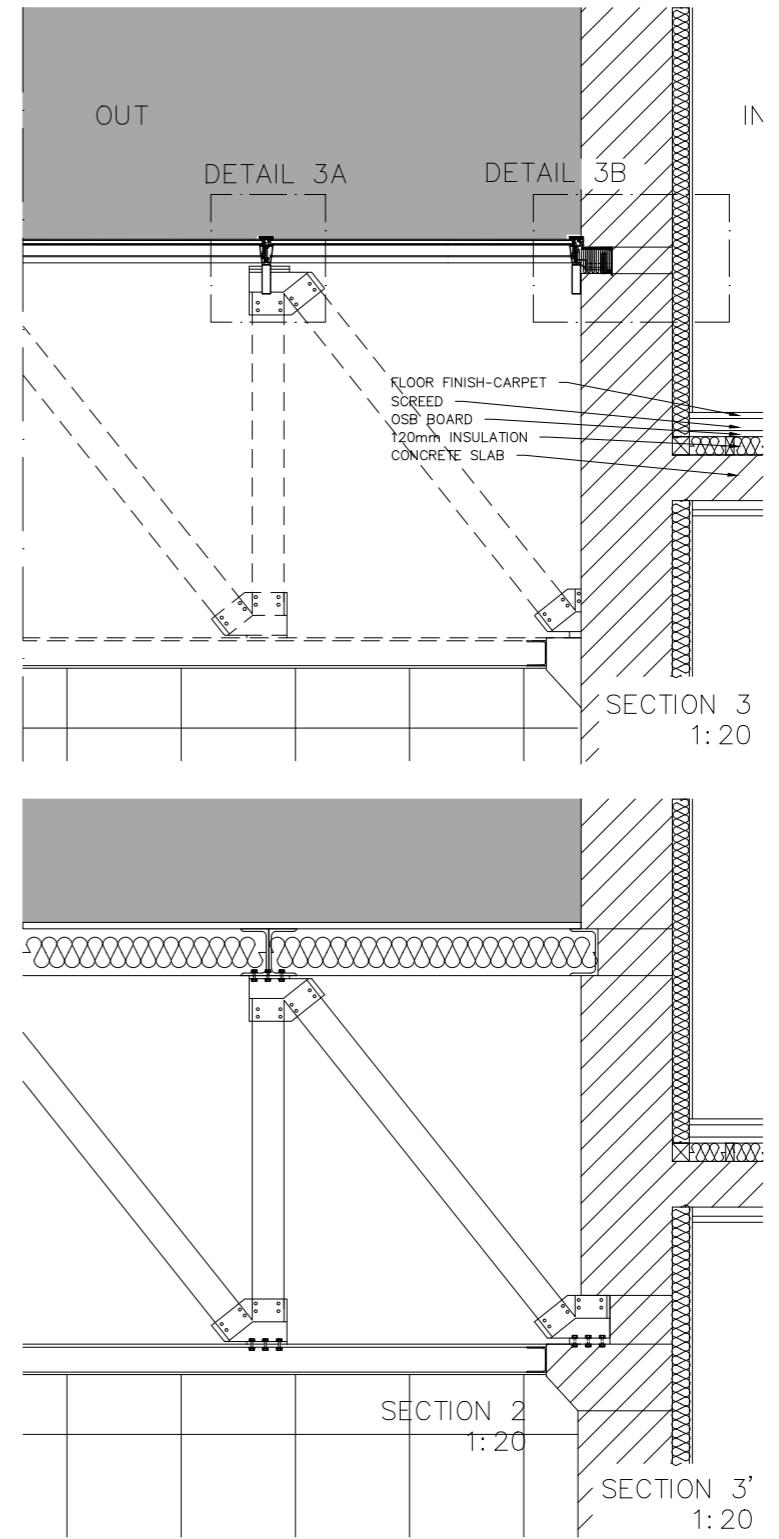
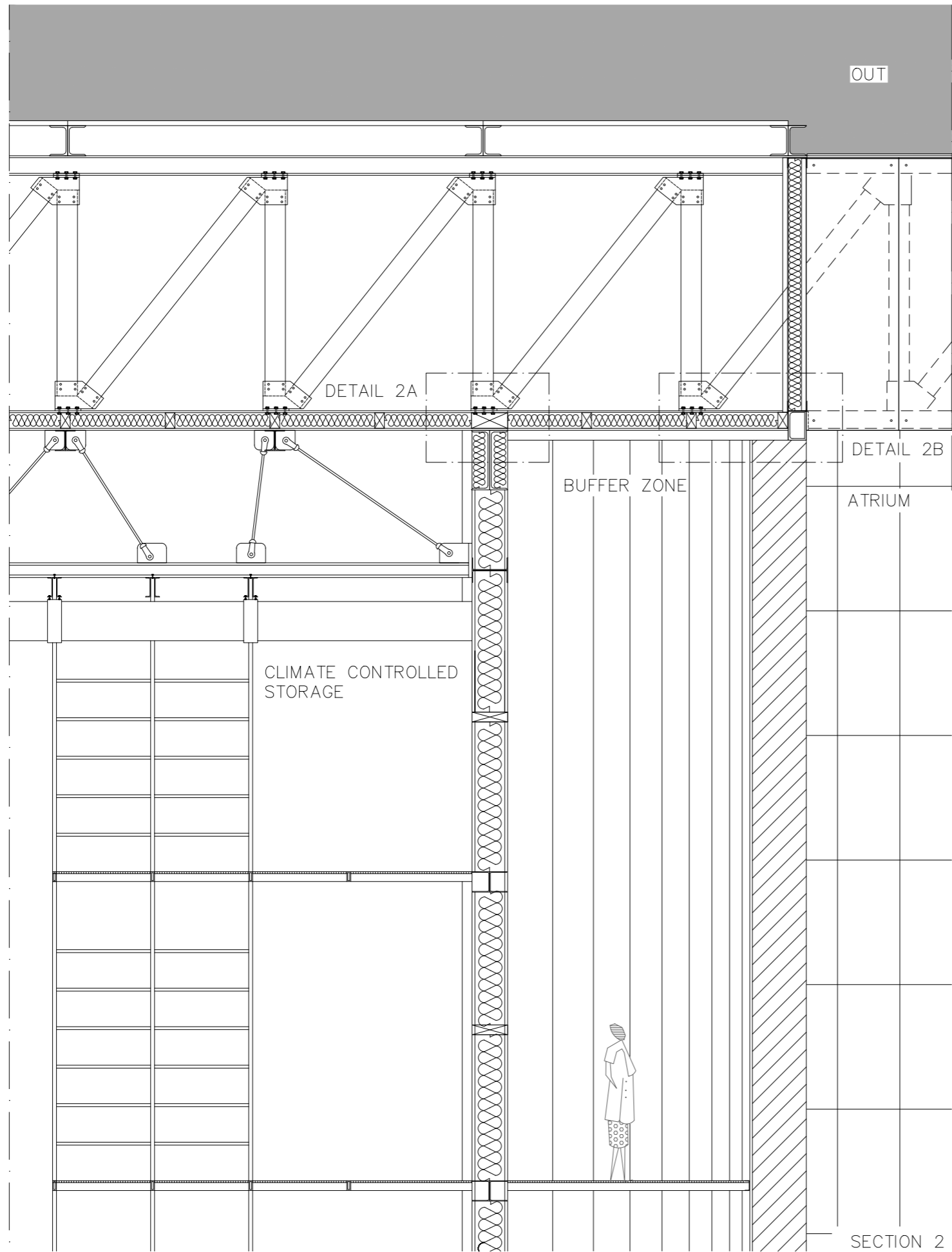




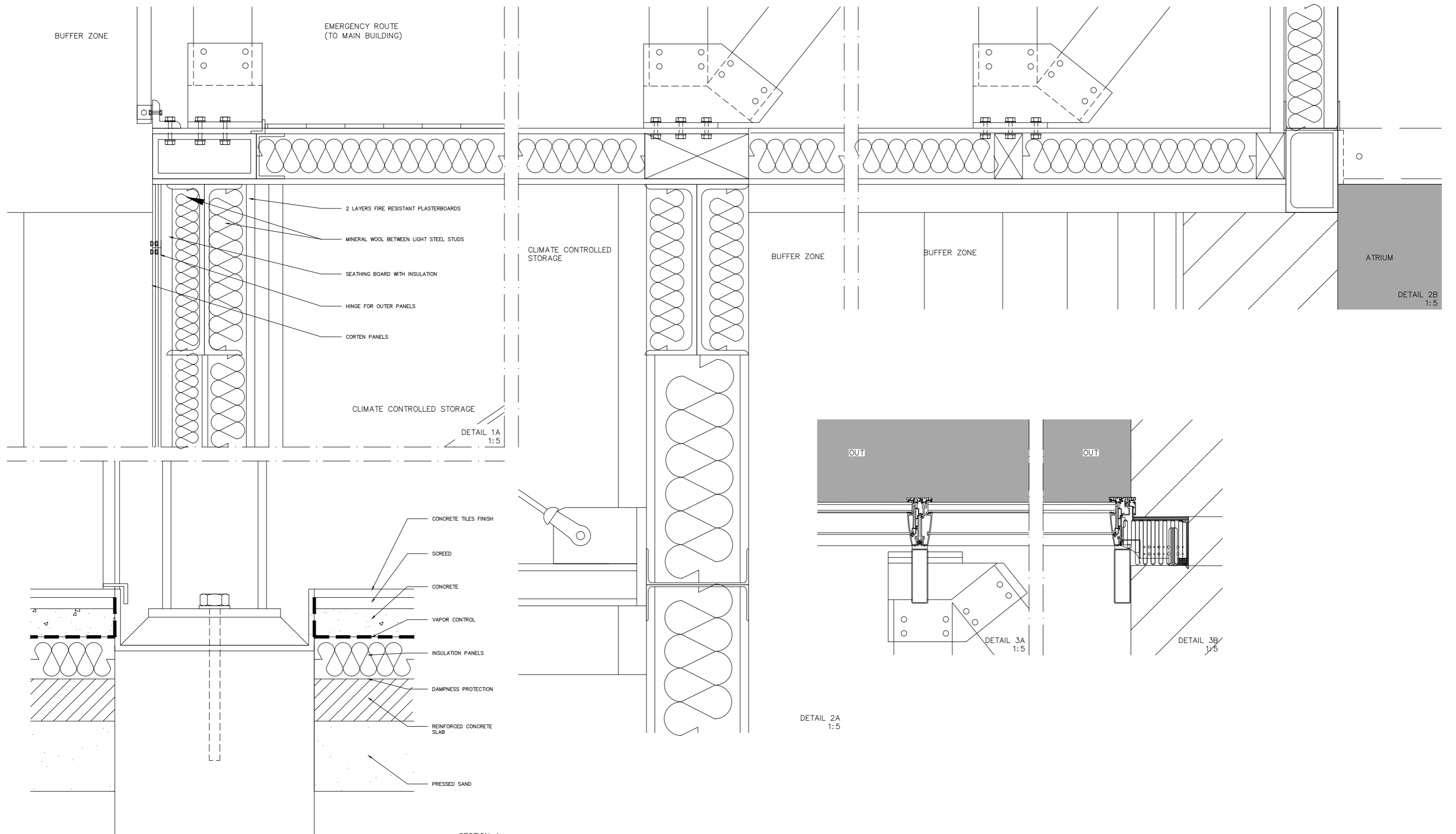
gradual change of space in each tank



Structural principles for all tanks



Structural principles for all tanks



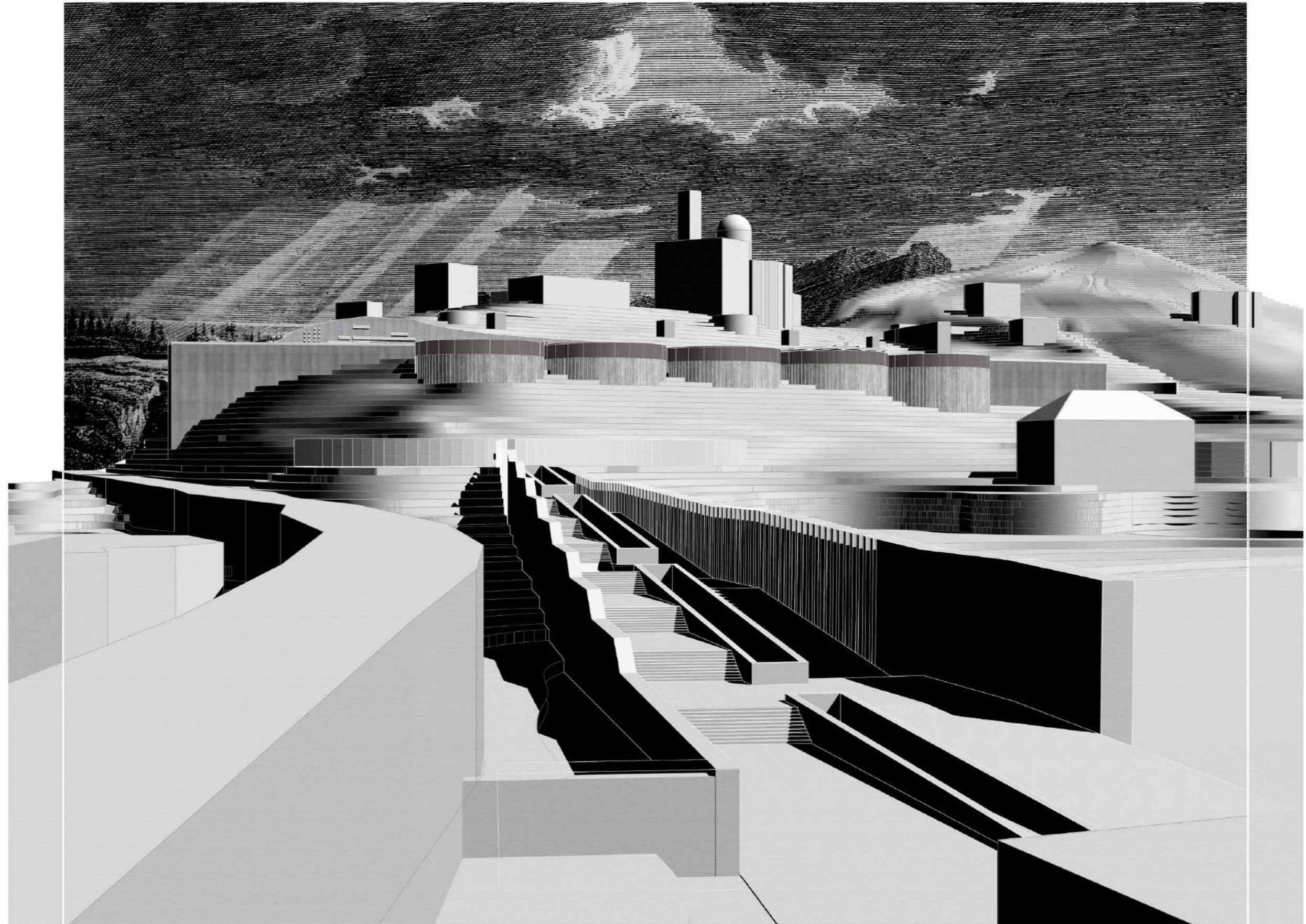
System section // Corners & connections



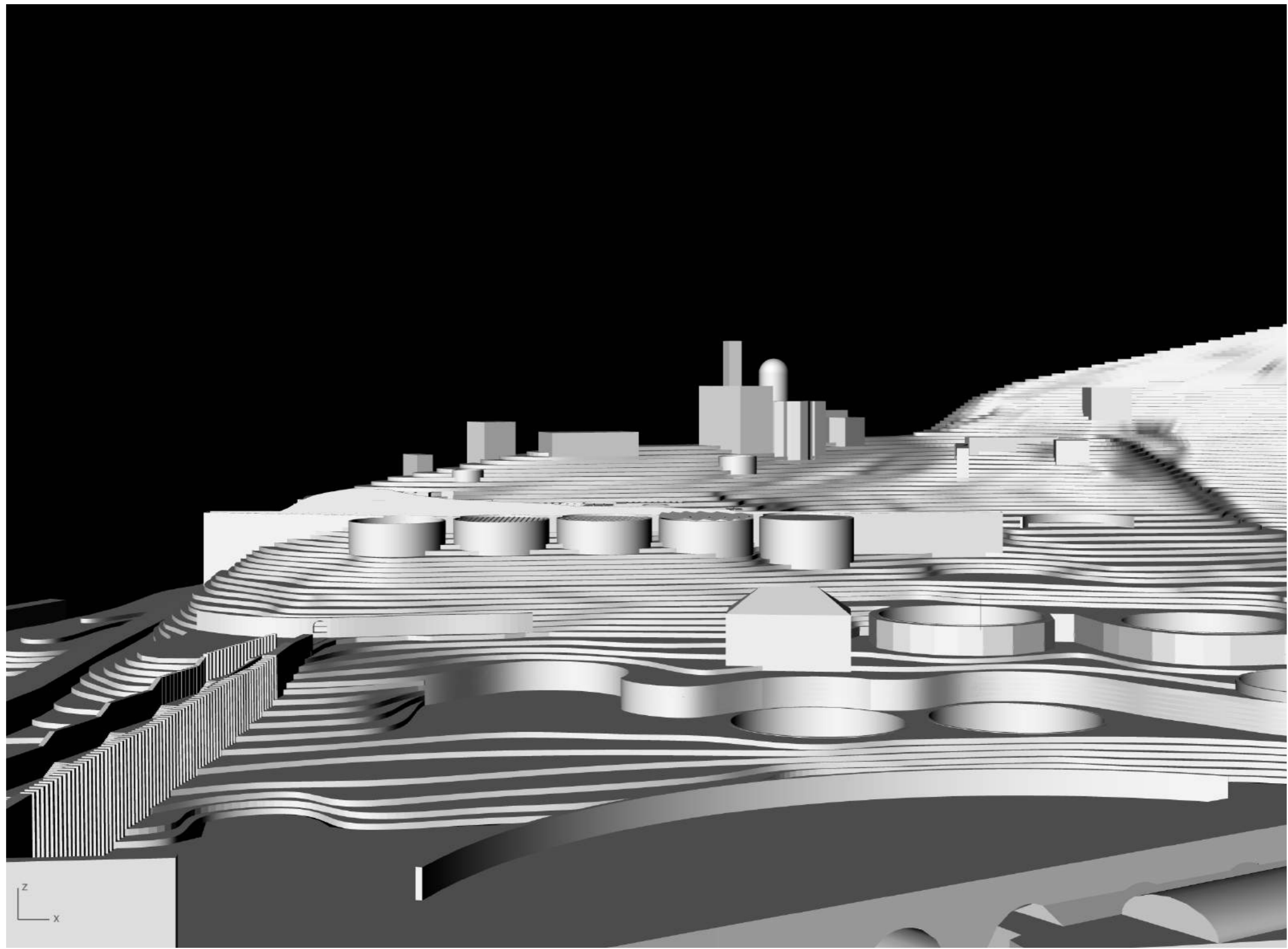
Atrium roof reference



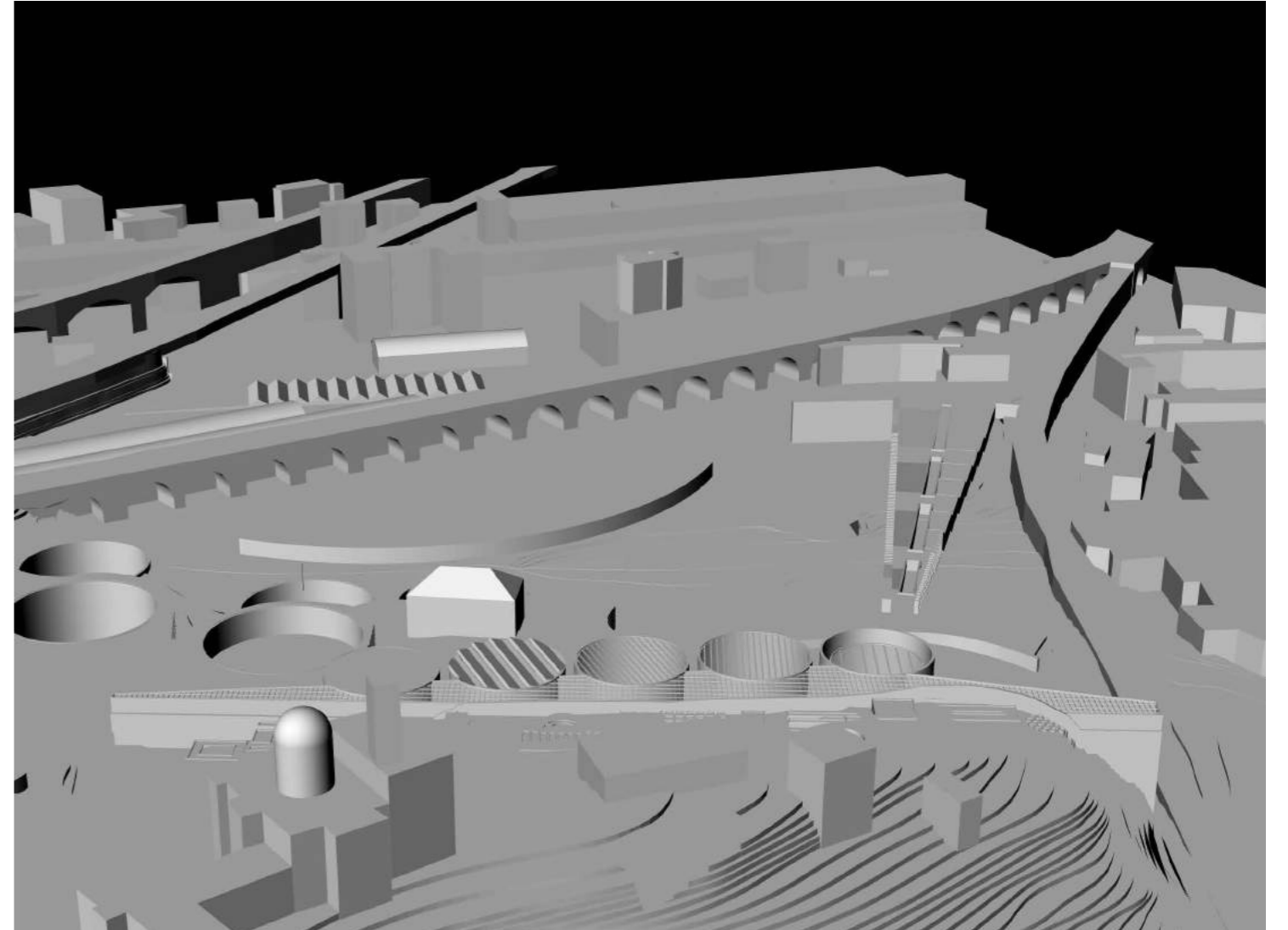
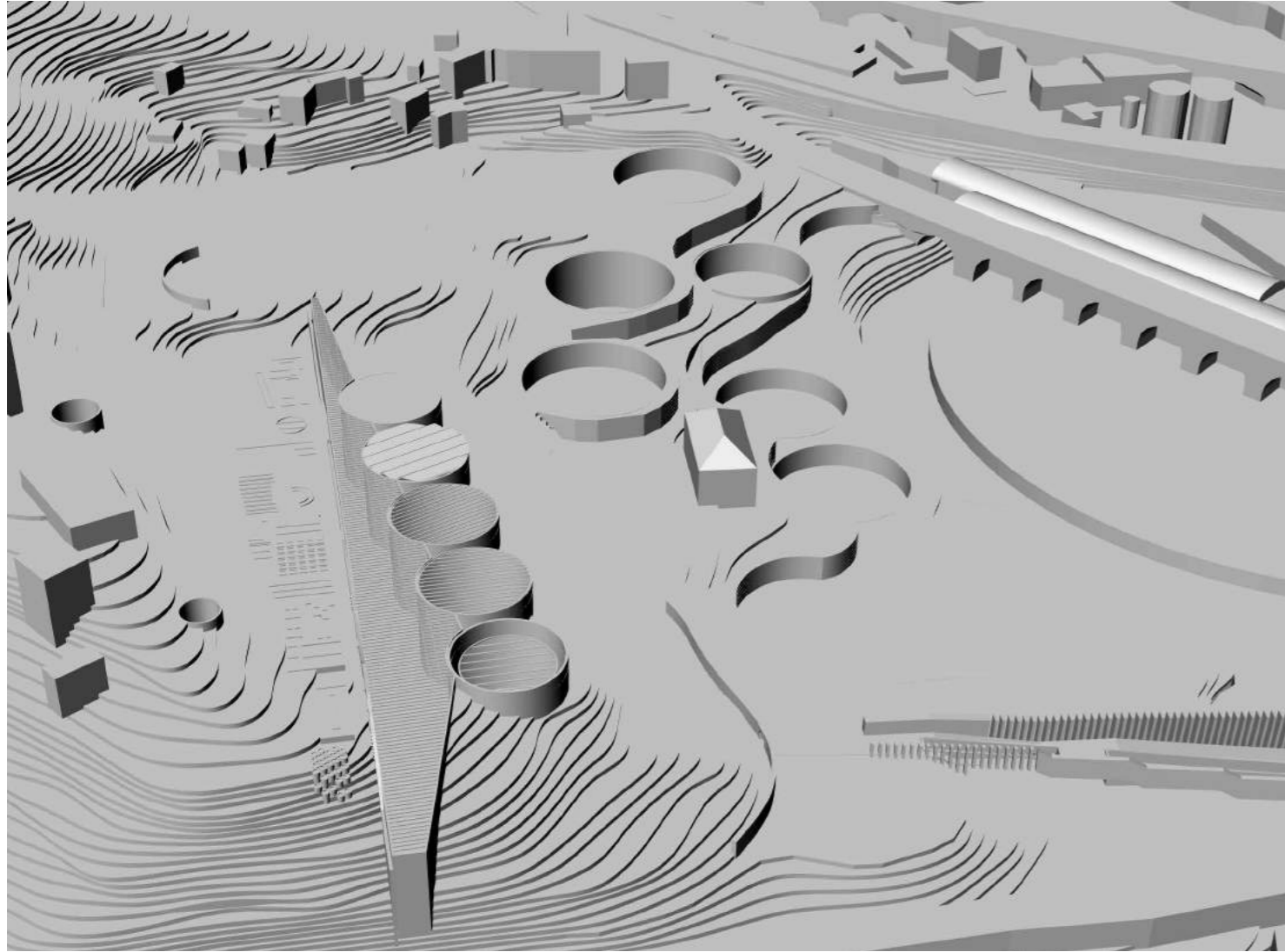
Interior of tank perspective

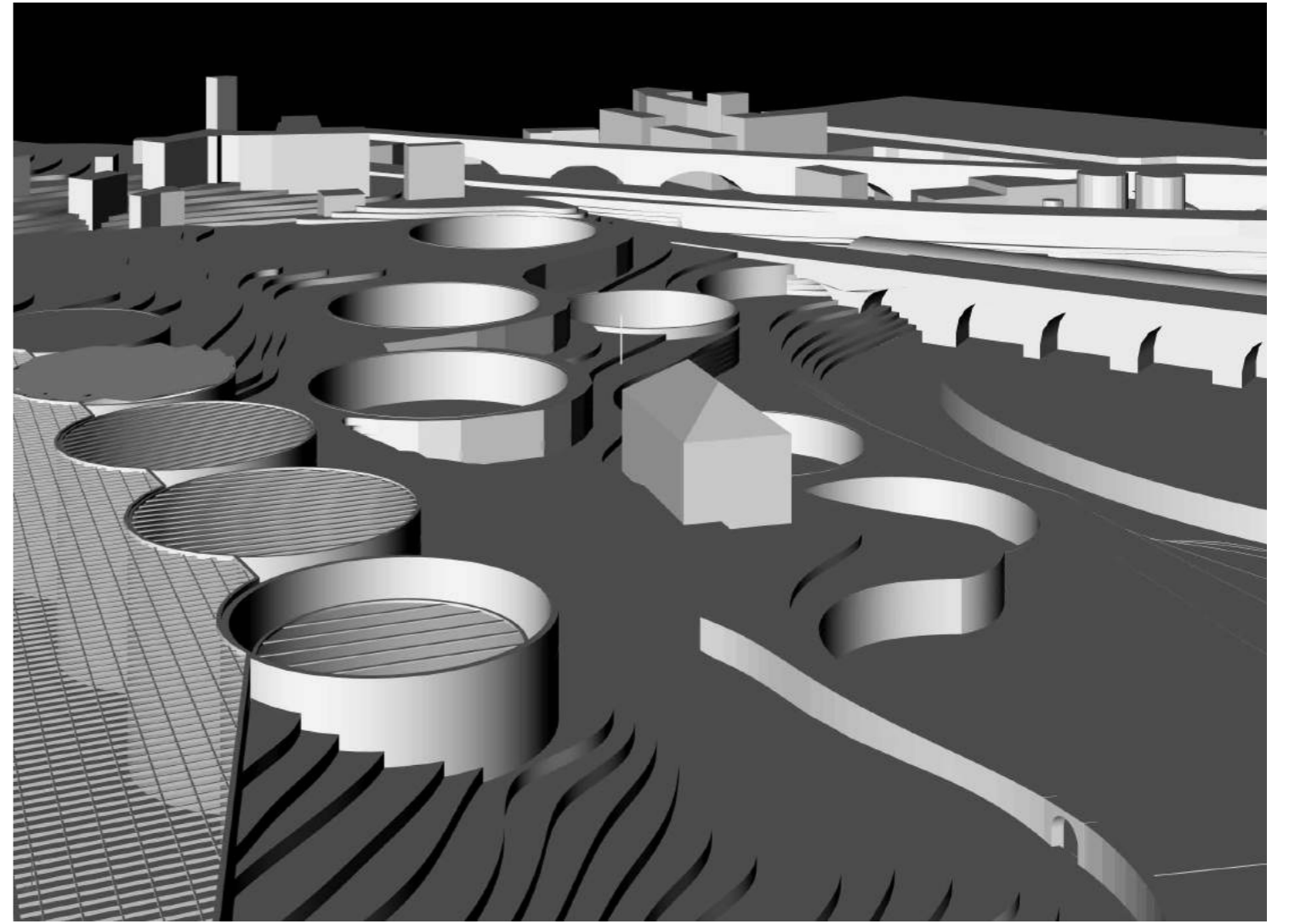
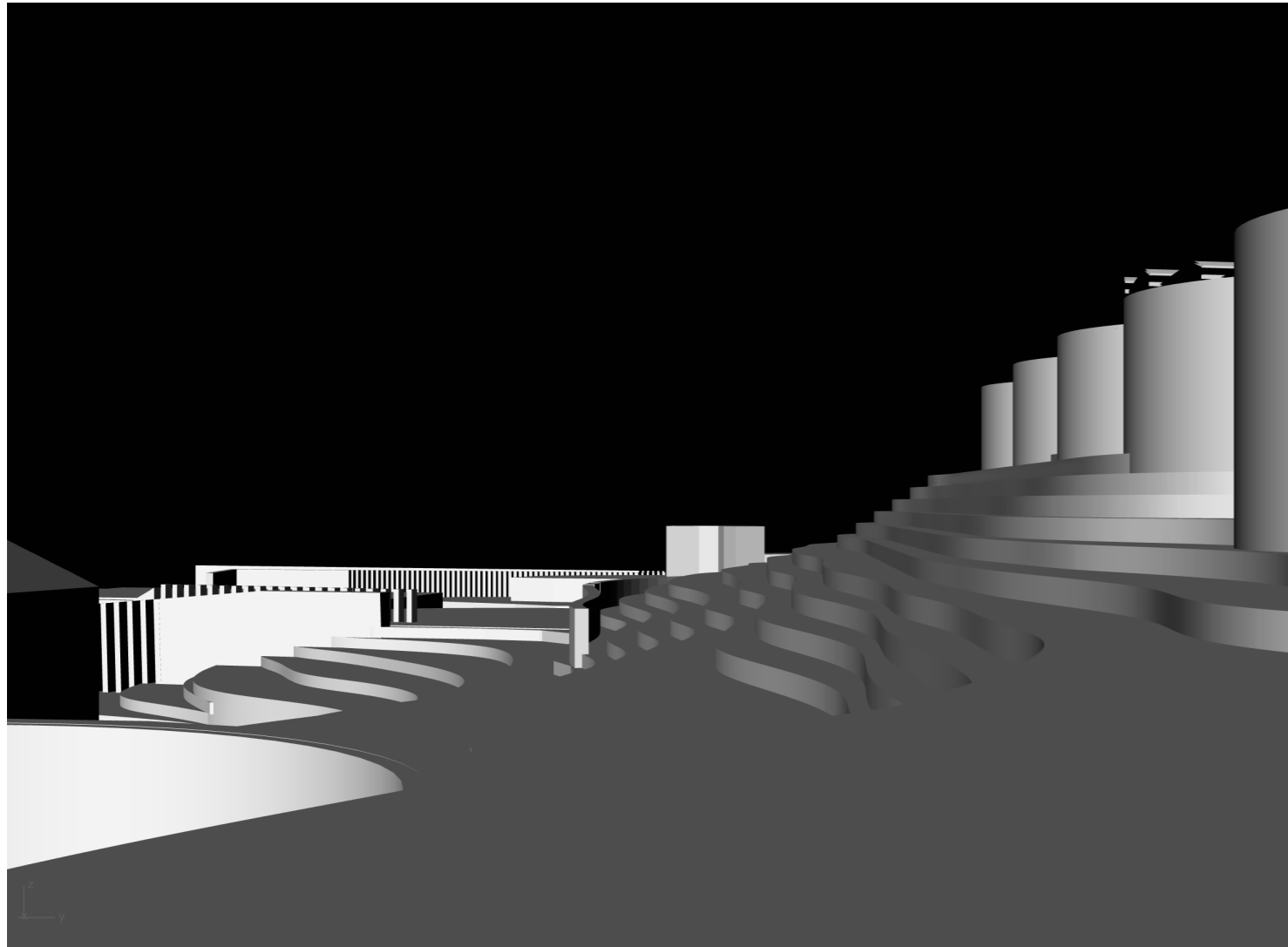


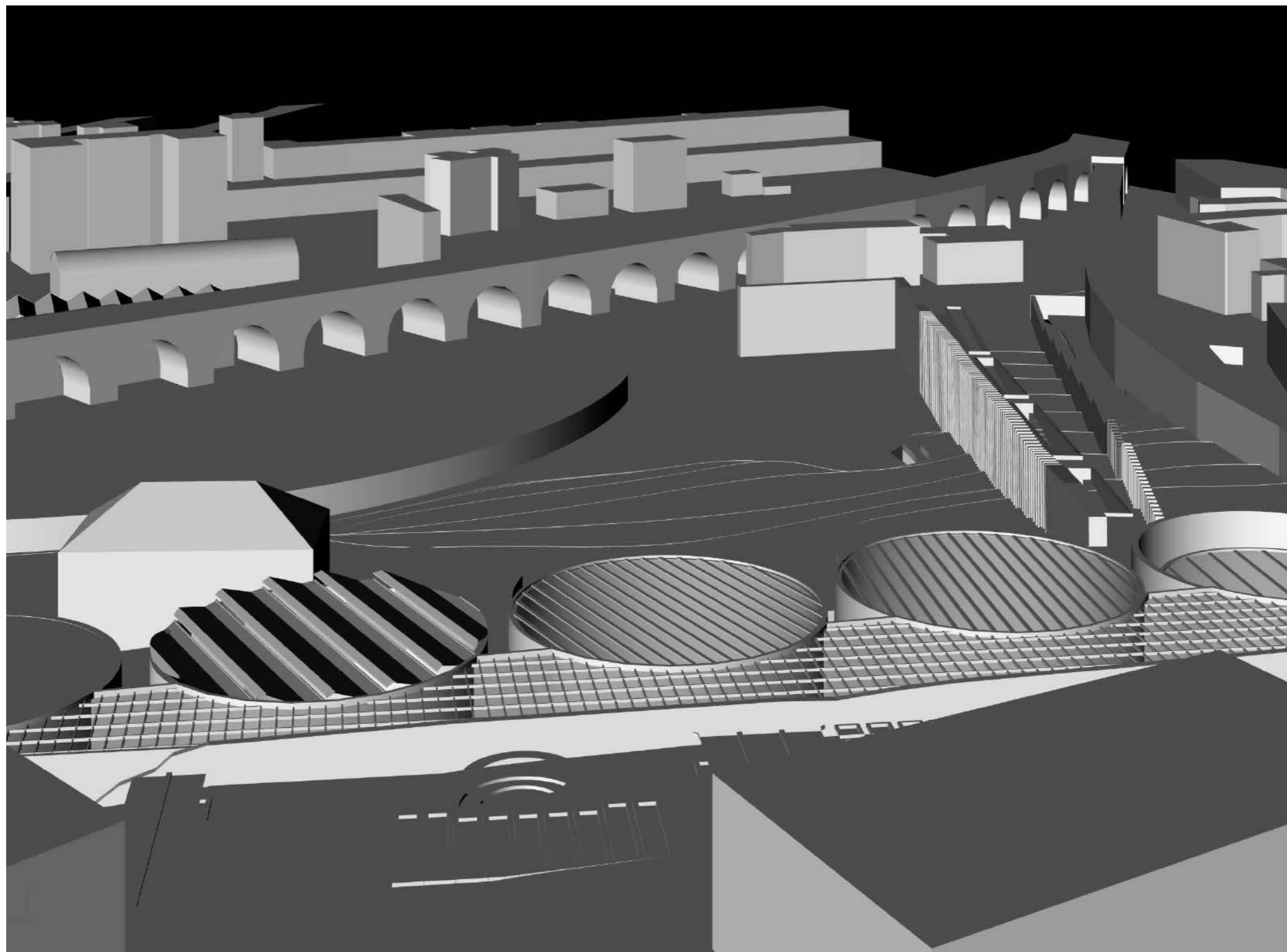
The project & the hill

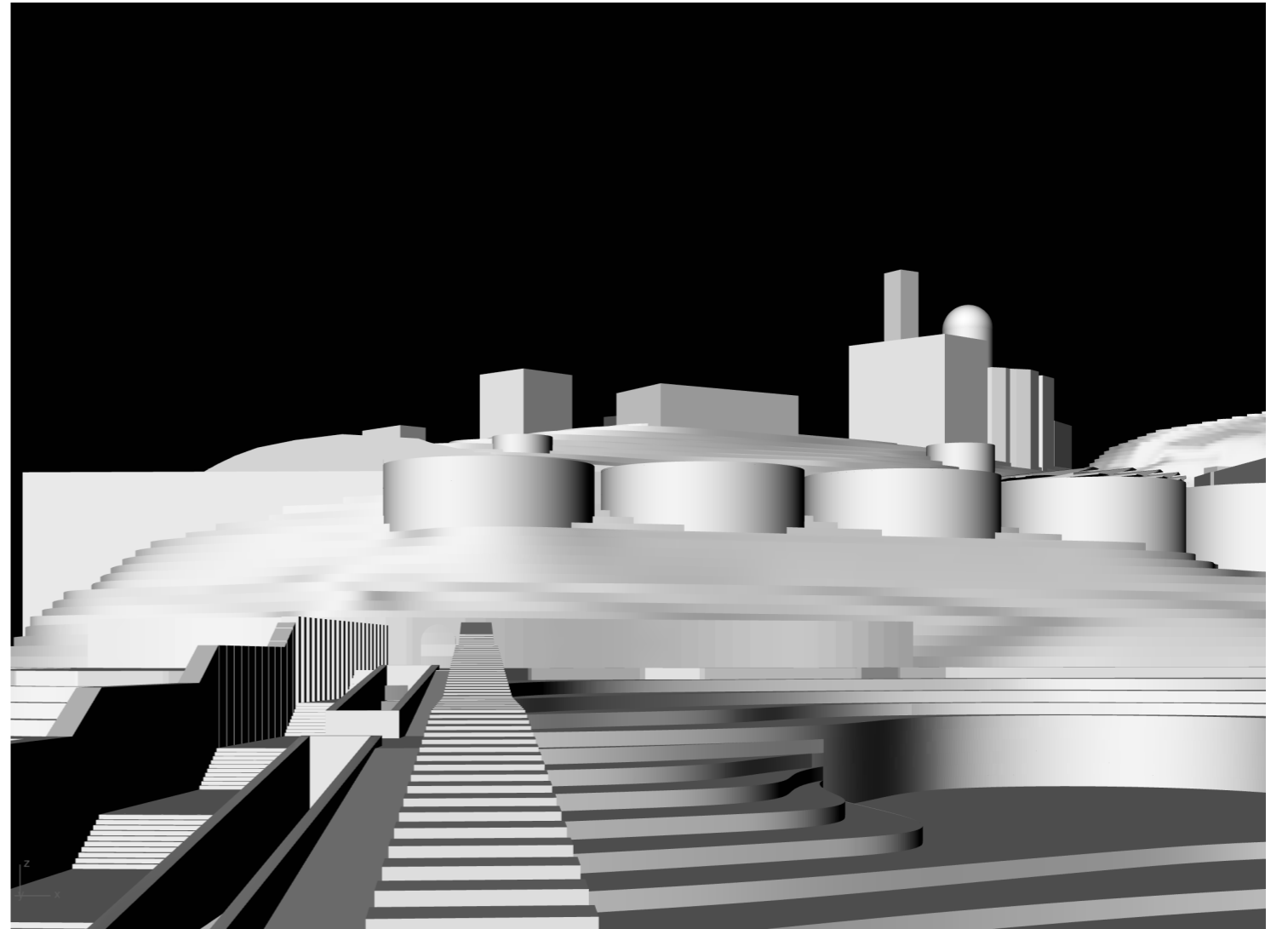
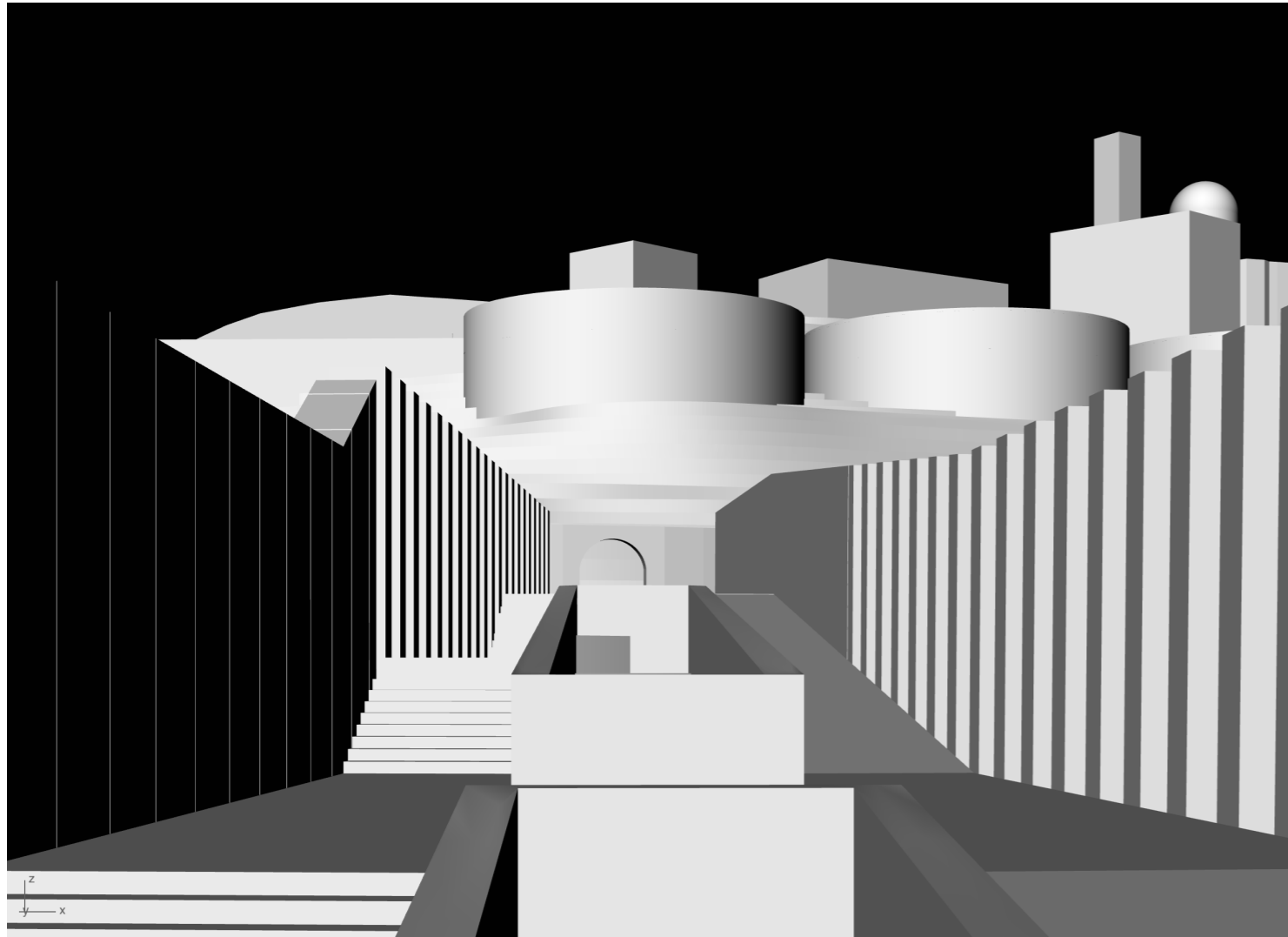


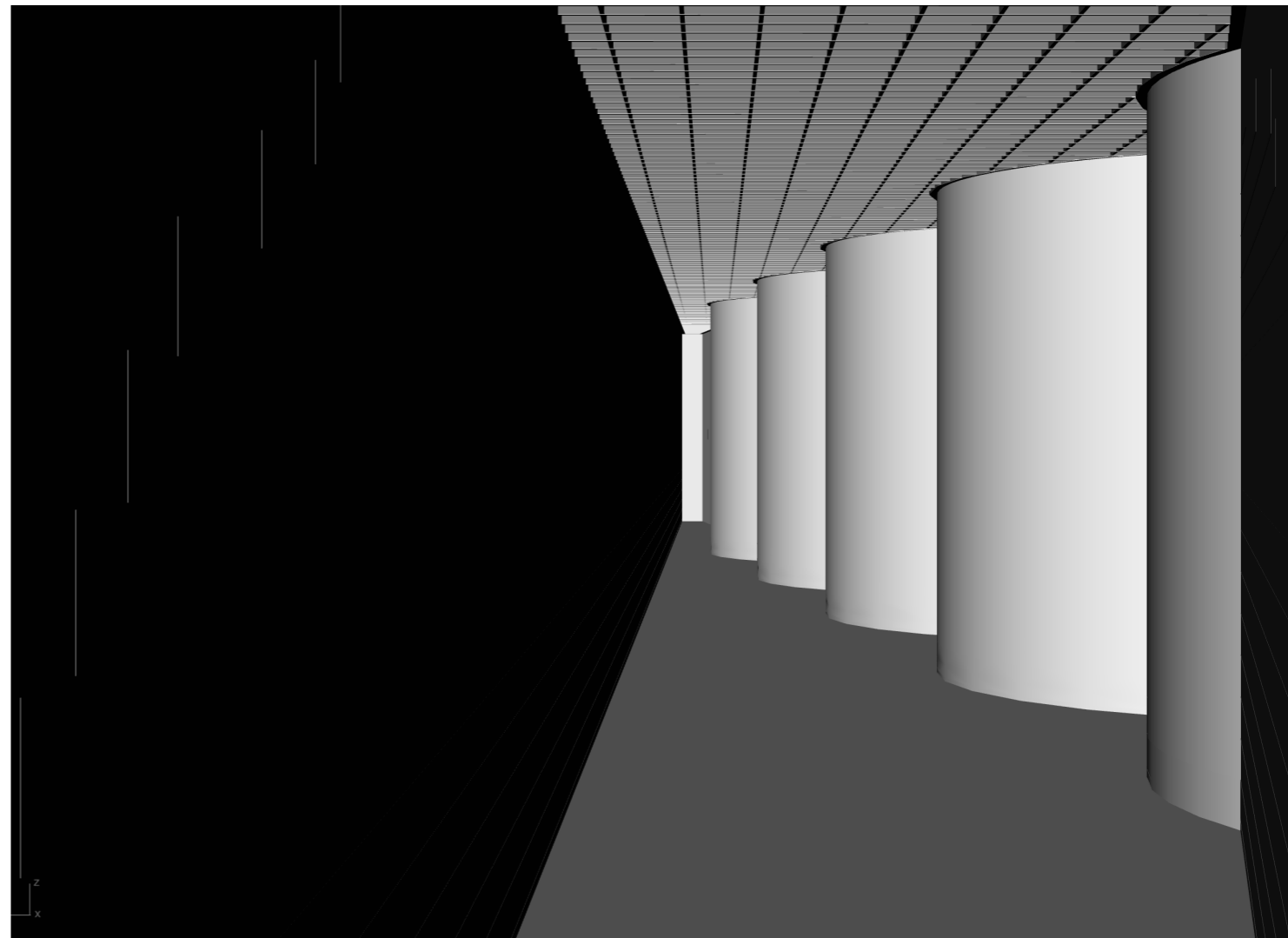
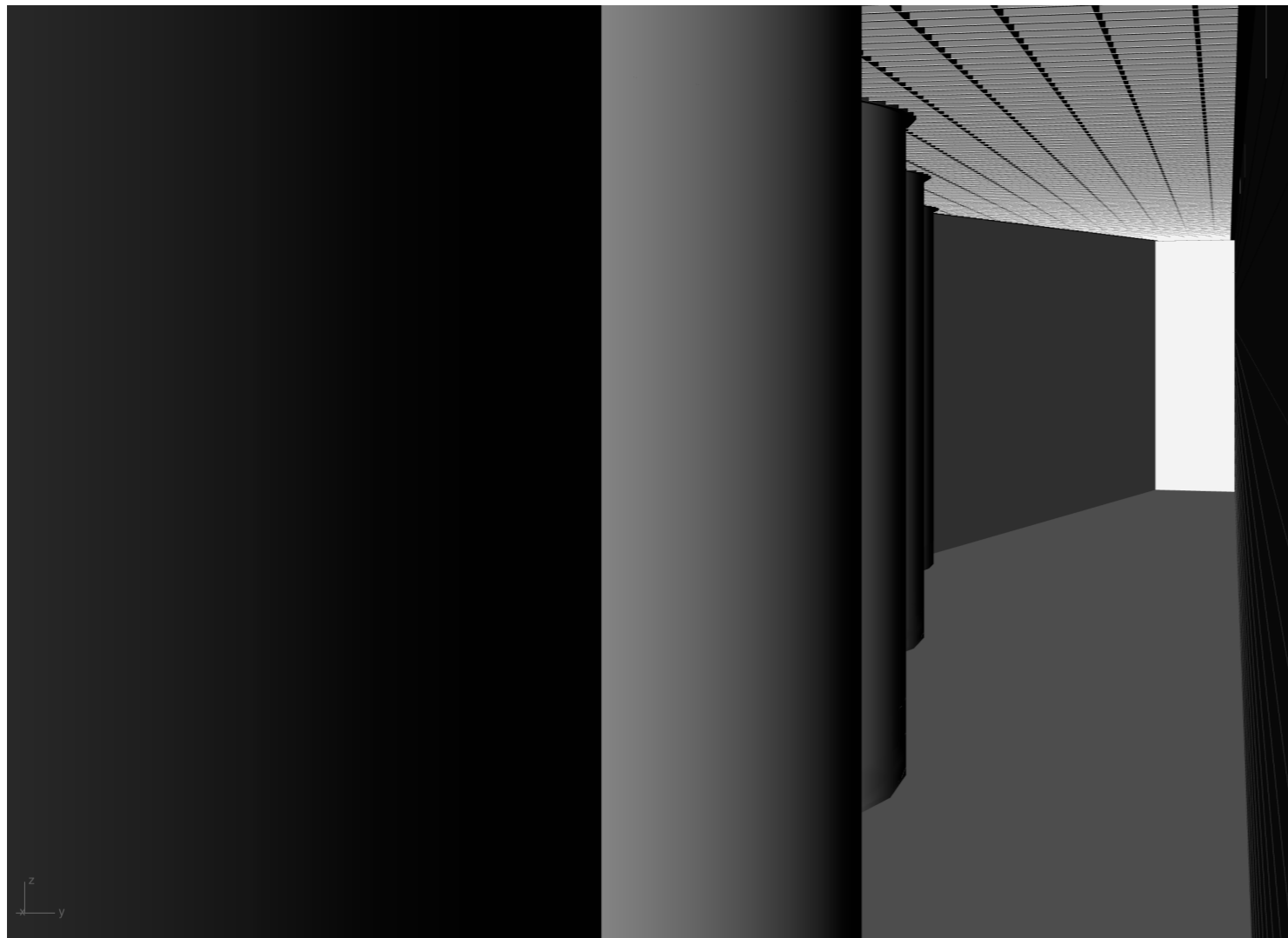


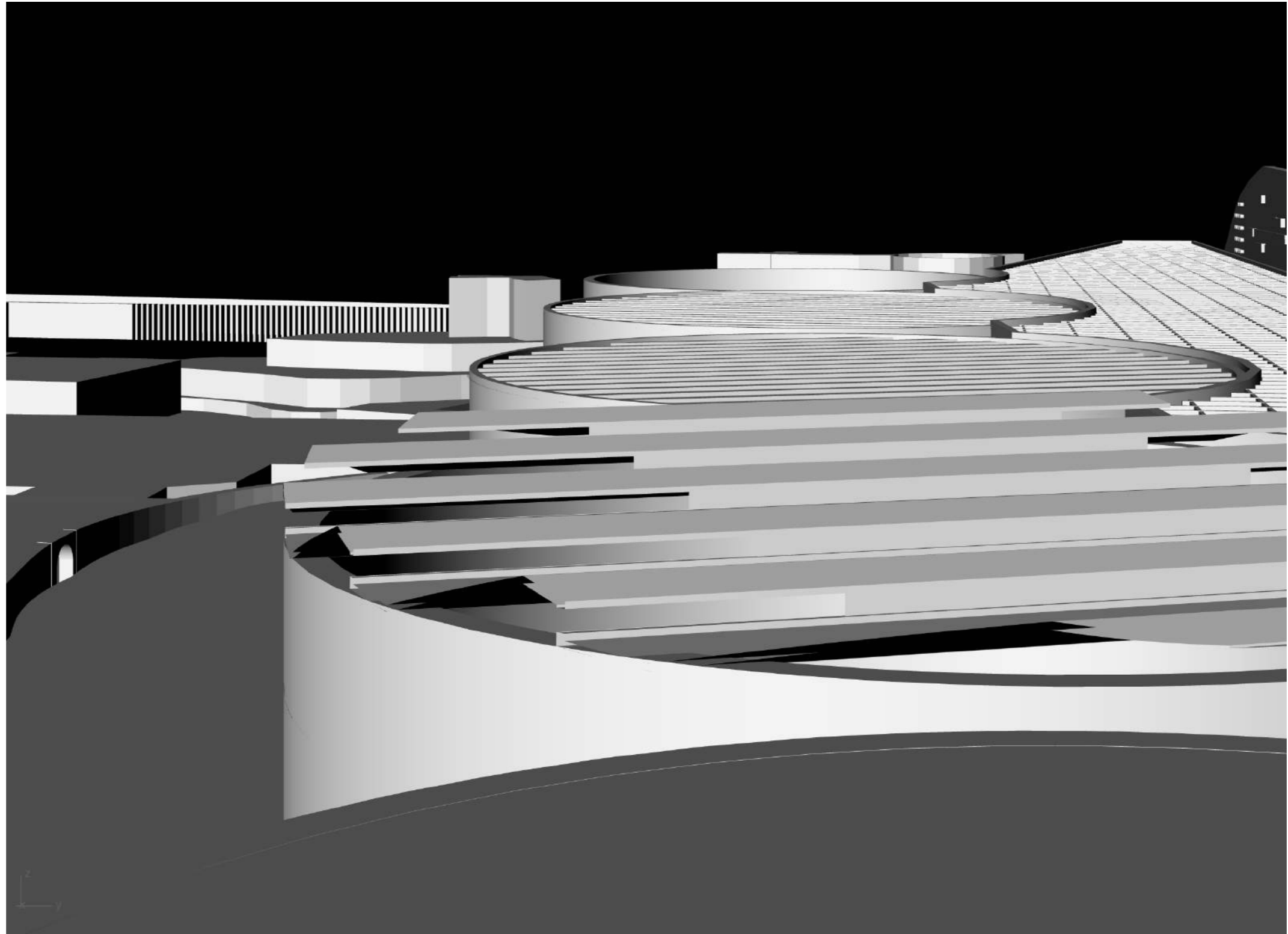


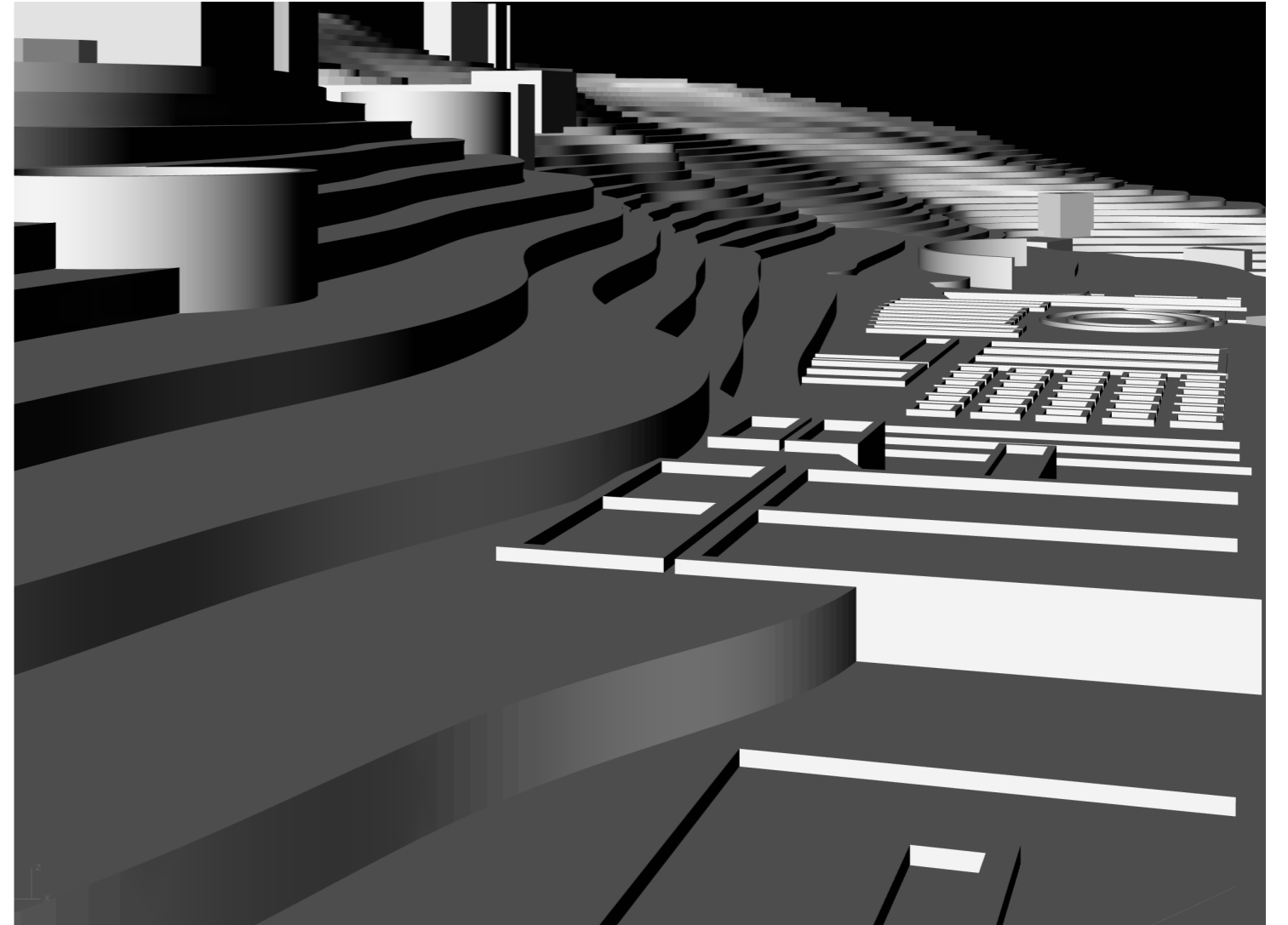
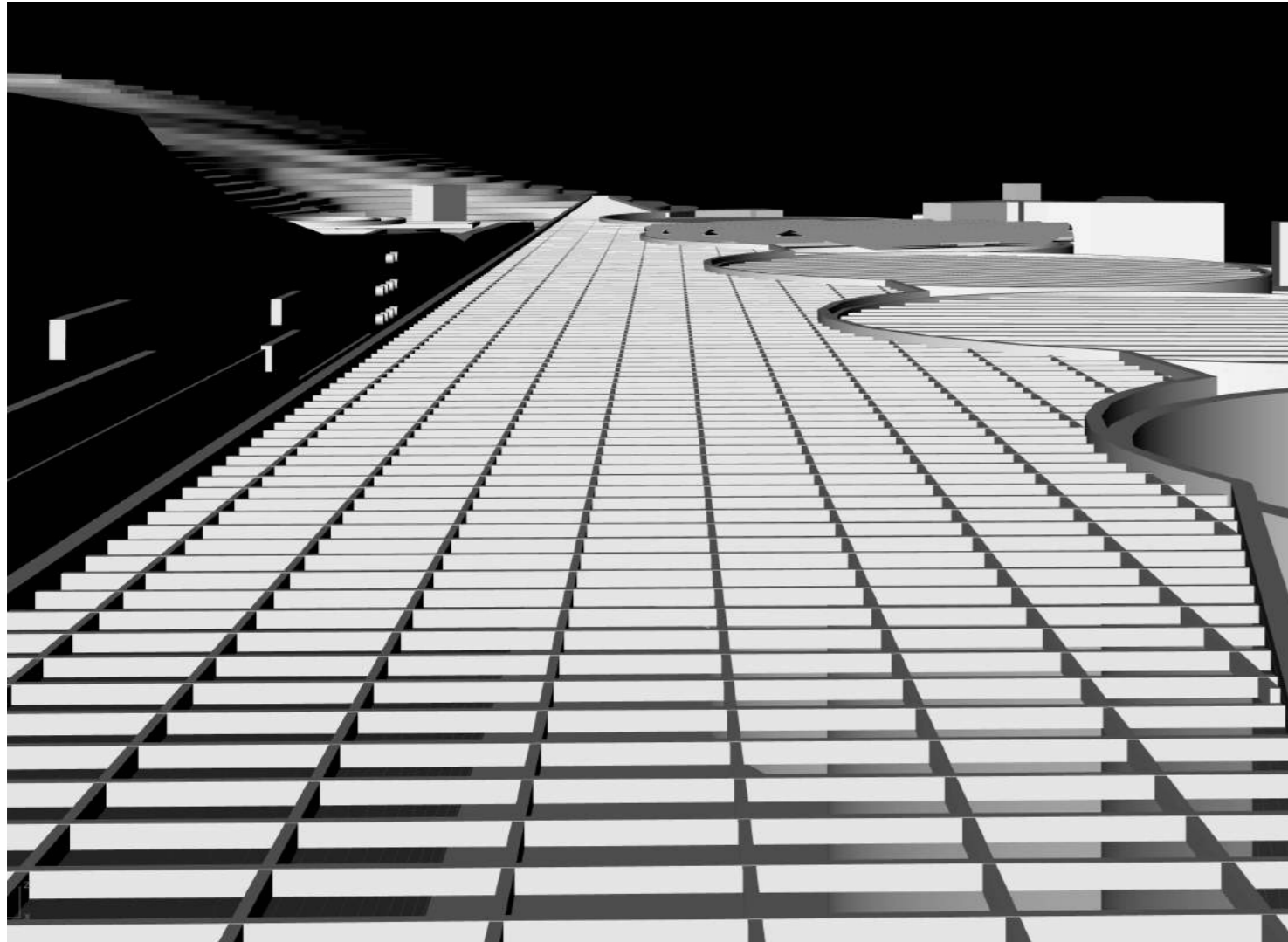






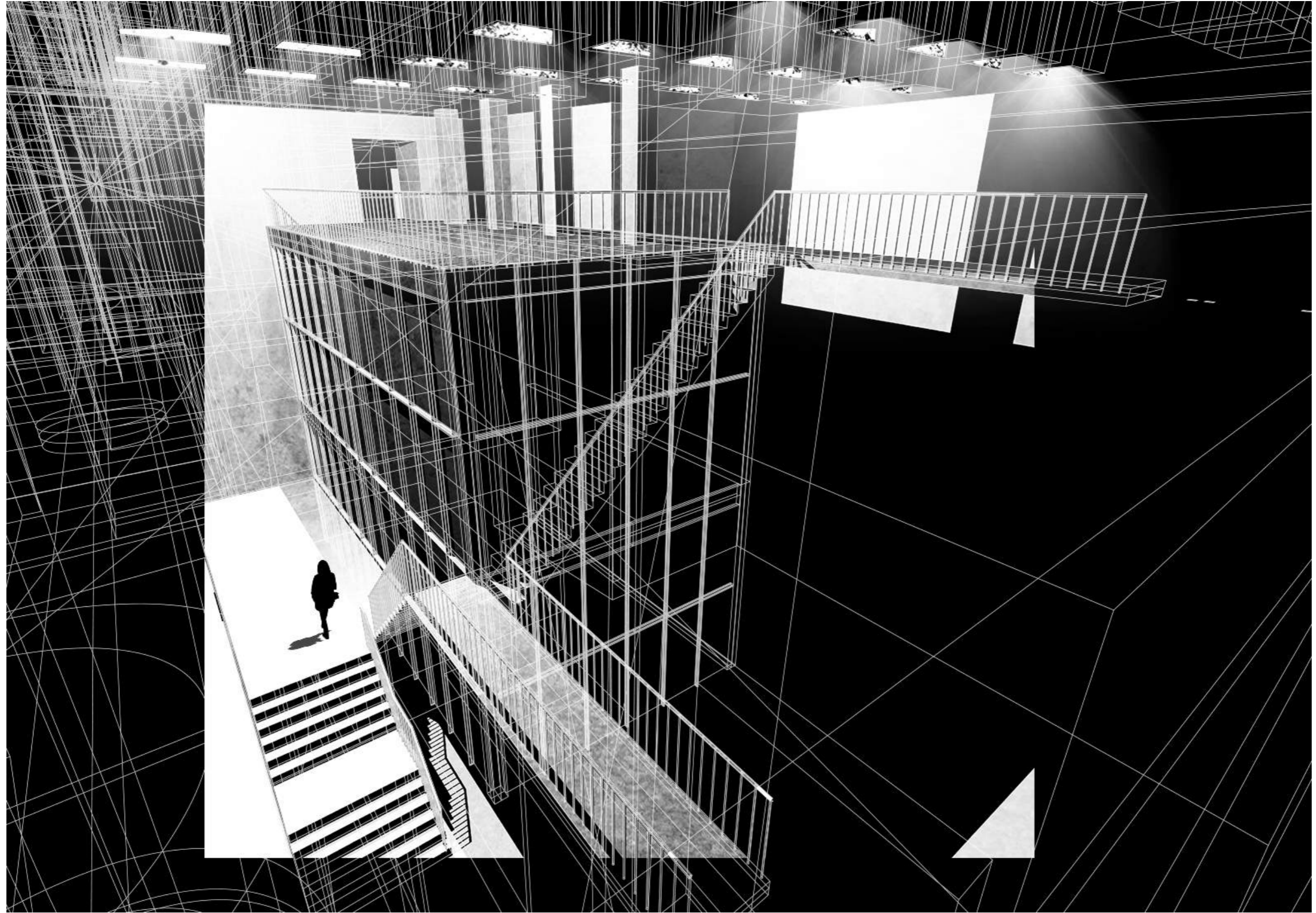


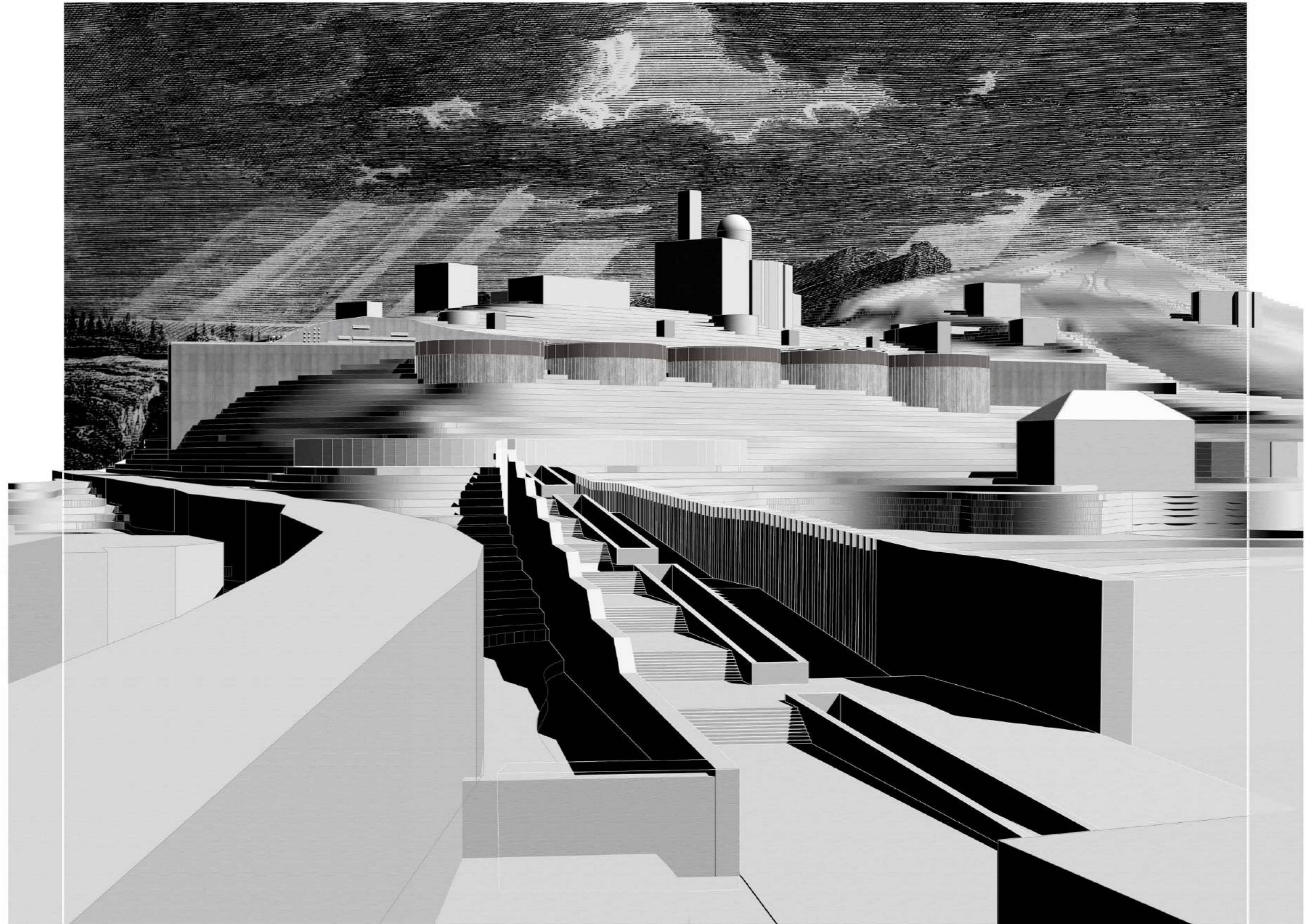












THANK YOU!