

Waiting

Imagining the future of military architecture of the Atlantic Wall in a dynamic landscape of Wadden Sea.

Delta Interventions : North Sea : Landscapes of Coexistence

Graduation Project Presentation
by Joanna Kosowicz

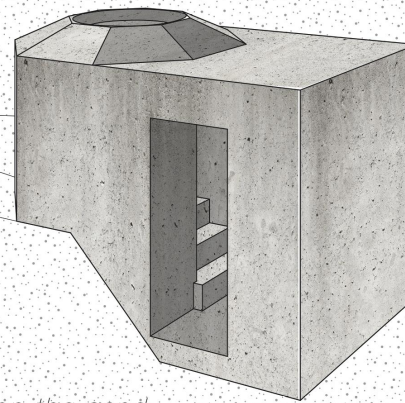
Waiting
Story in three acts.

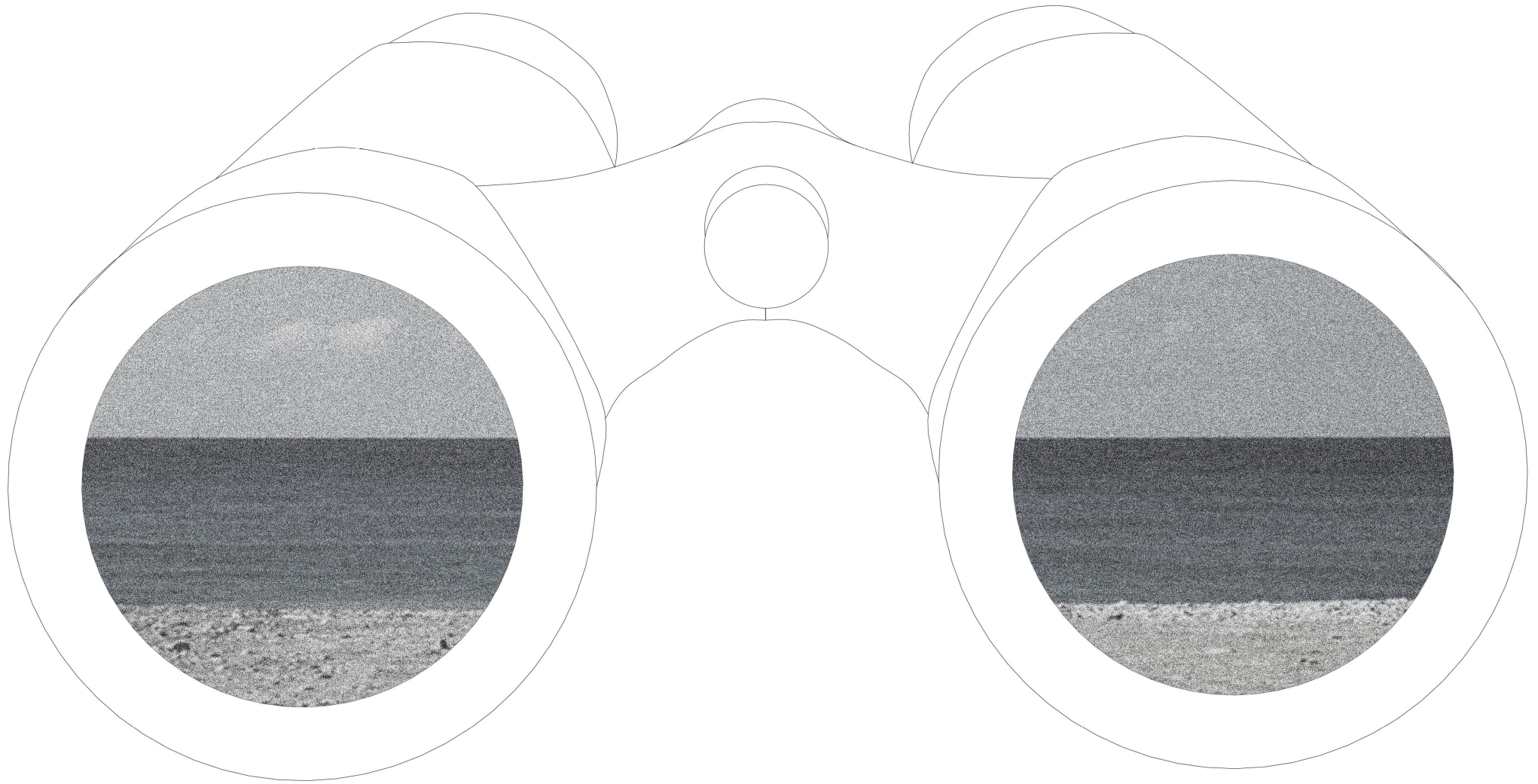


Act I

Scene 1

*Morning. People walking in rush with maps and technical plans.
Shouting, noises of a construction site. Freshly cast bunkers are being placed on the sand.*





Scene 2

*Noon. Inside a bunker. A soldier with binoculars is observing the sea. Another one is having a nap nearby.
Complete silence with only the sound of gentle waves.*

Scene 3

Evening. Strong wind blows the sand onto abandoned bunkers. One slowly tilts on a slope of the dune. In a crack of the concrete a blade of grass starts to grow. A seagull flies by and sits close by.



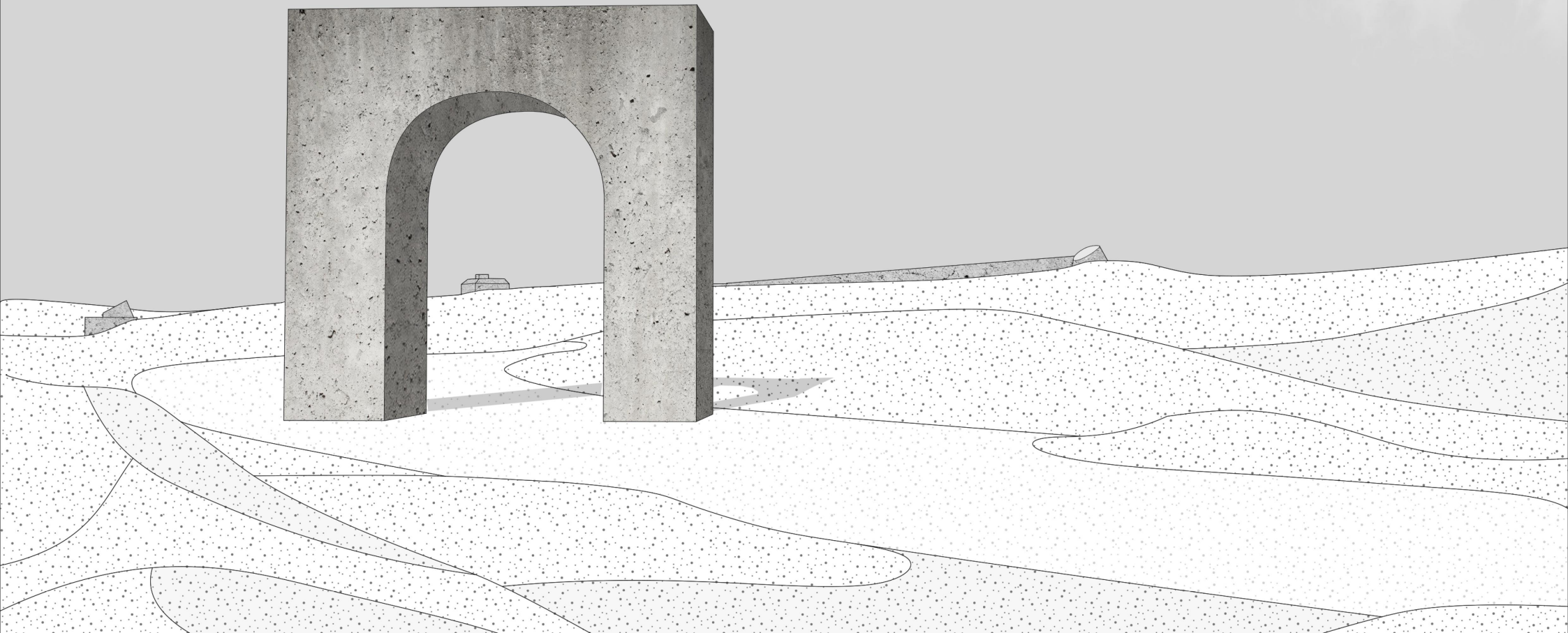
Act II

Scene 1

Morning. A road in the dunes ends and a gate appears. There is something there on the hill in the distance. A tired man with a heavy backpack decides to discover the unknown and starts wandering through the path. He reaches the paved area, enters the tunnels, tries to understand the ruins of the bunkers above him. In his head, he hears the past- the soldiers shouting, radio signal buzzing. He needs rest. Walking further, another building appears.

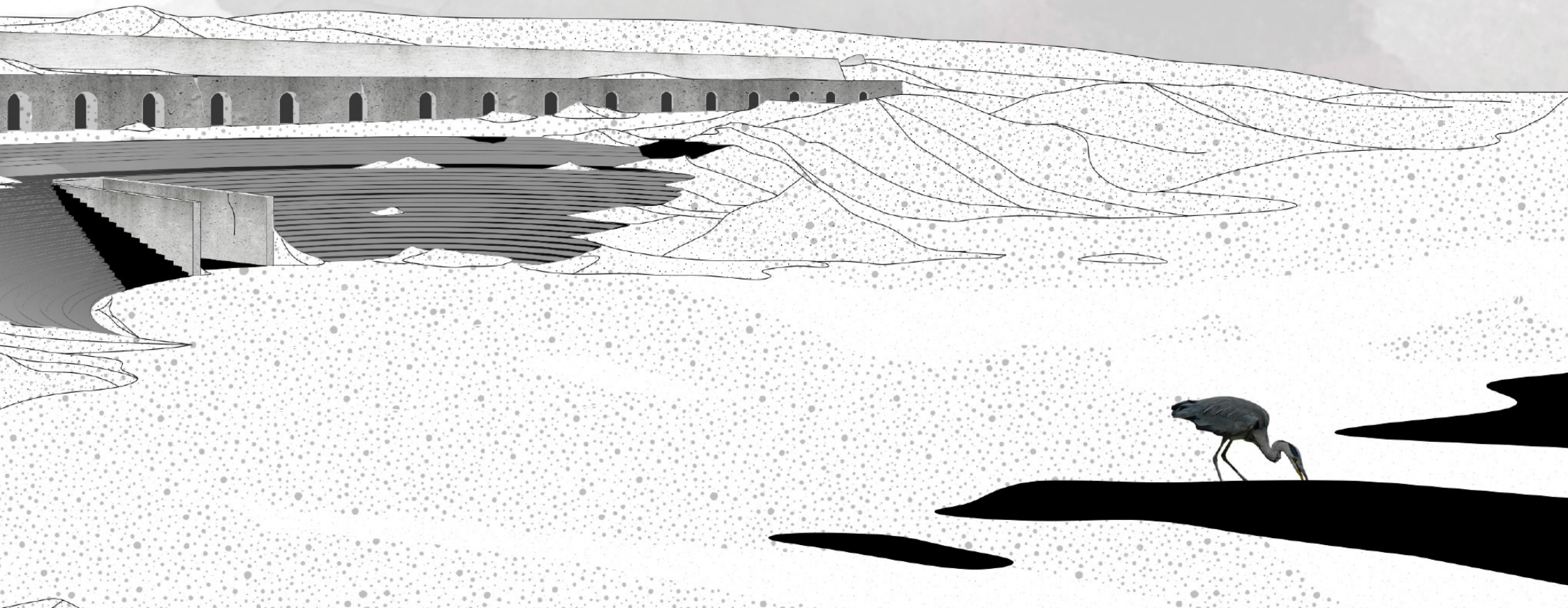
He walks straight to one of the rooms.

As he lays down, he observes the sky.



Scene 2

Noon. Two people walking on a beach. As the tide comes, they turn to the dunes. There is something there on the hill in the distance. The stairs reveal an entrance, the couple decides to discover the unknown and starts climbing up the ramp. Going past the long hallway they see some sculptures displayed illuminated by the light coming from above. Few steps further a large bright space appears. They sit and take out their notebooks to sketch and write.



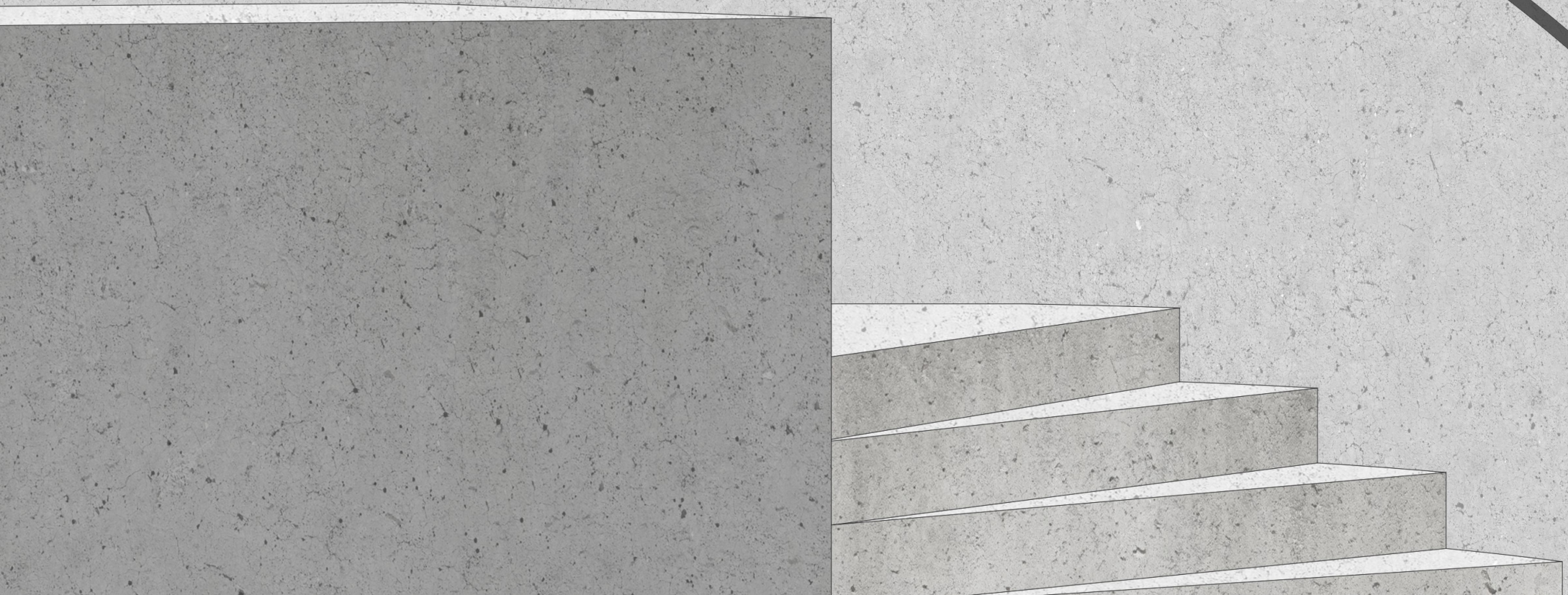
Scene 3

Evening. They meet next to the descending staircase.

As the couple sits in the audience, he prepares behind the curtain.

The music is beautiful. Yet, he feels that something is missing.

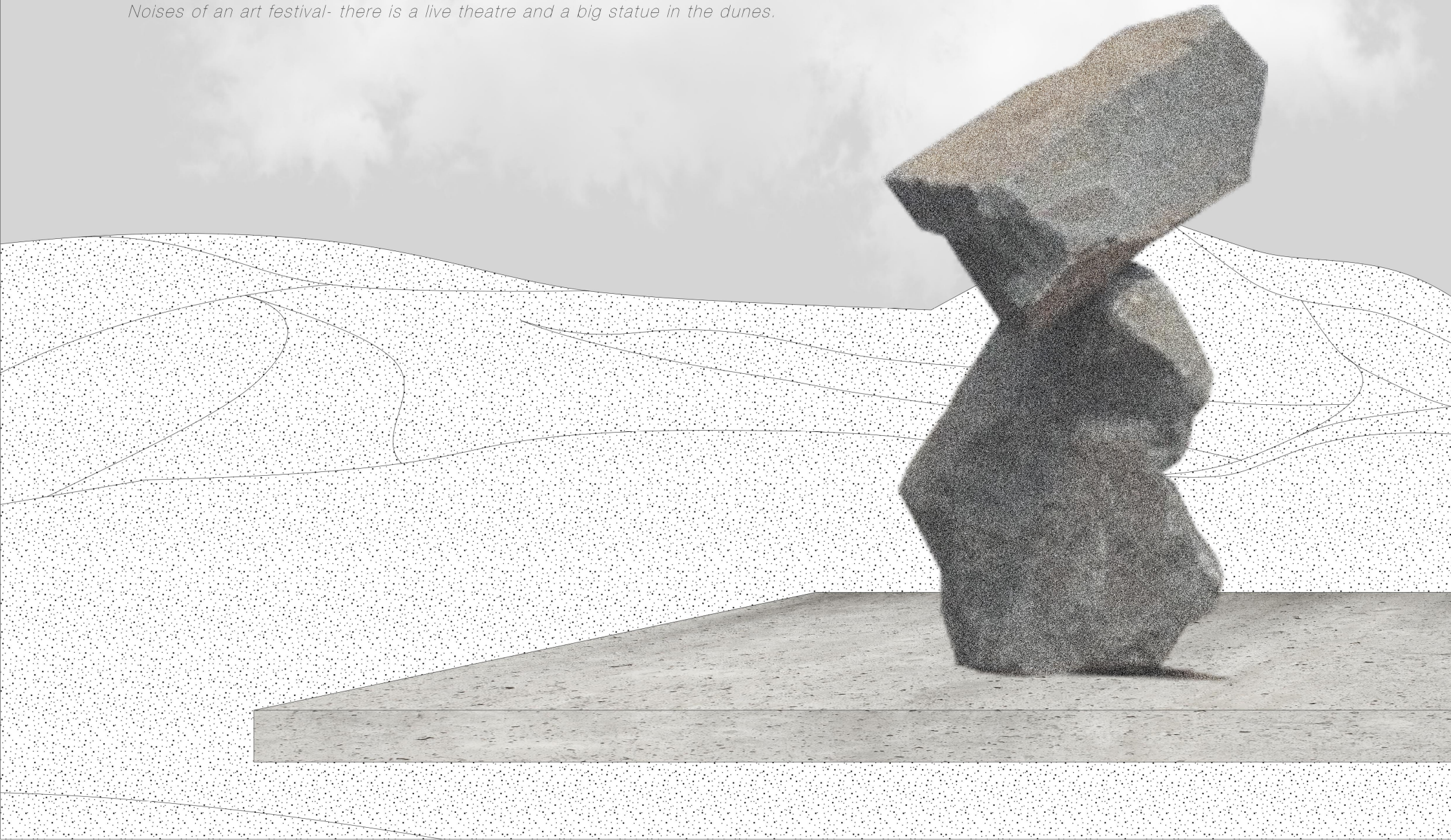
As the couple leaves to the village, he goes out to sit on the stairs and listen to the sound of waves.



Act III

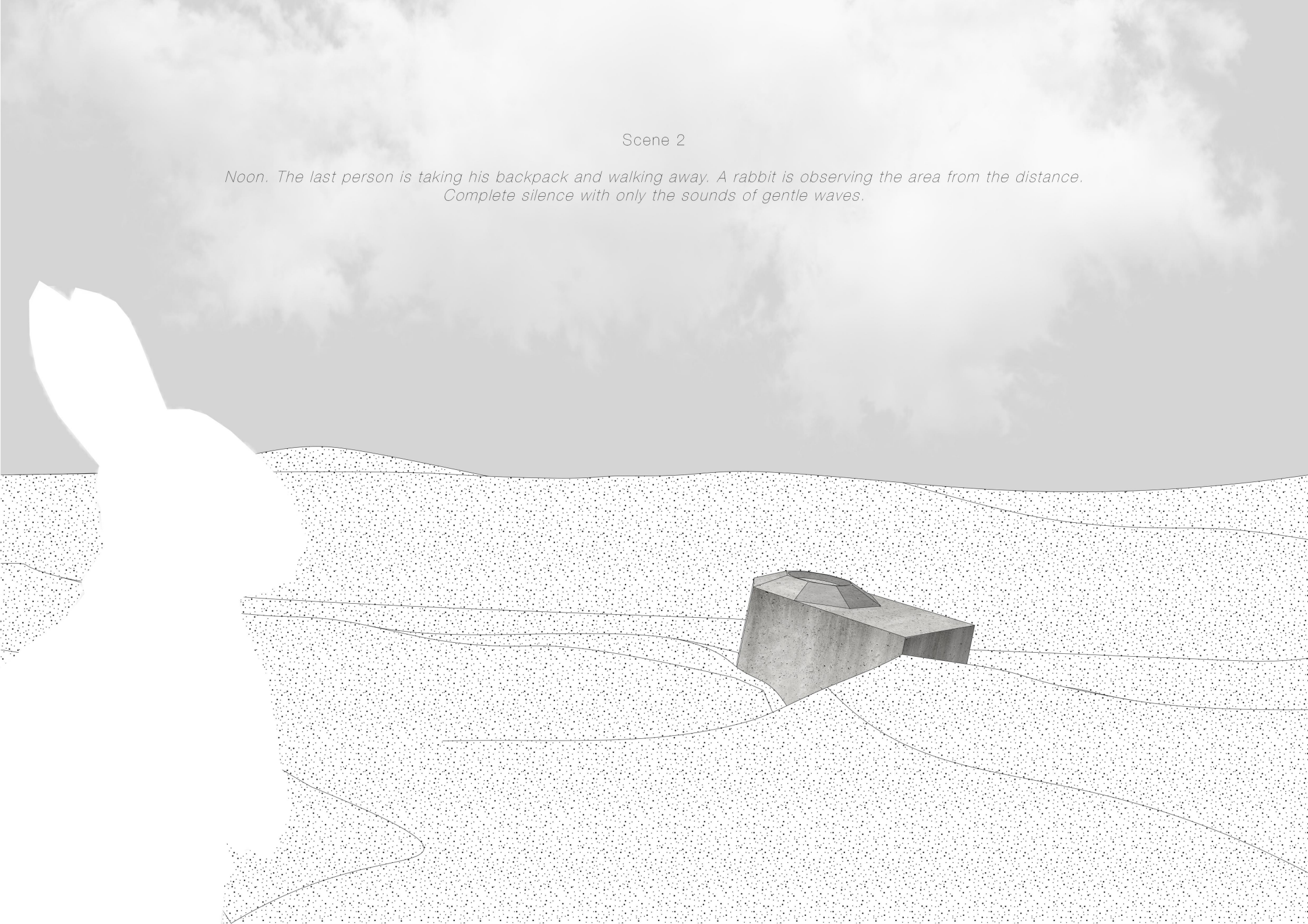
Scene 1

*Morning. People walking around and talking.
Noises of an art festival- there is a live theatre and a big statue in the dunes.*



Scene 2

*Noon. The last person is taking his backpack and walking away. A rabbit is observing the area from the distance.
Complete silence with only the sounds of gentle waves.*



Scene 3

Evening. Strong wind blows the sand onto abandoned buildings. One slowly tilts on a slope of the dune. In a crack of the concrete a blade of grass starts to grow. A seagull flies by and sits close by.



Curtain.

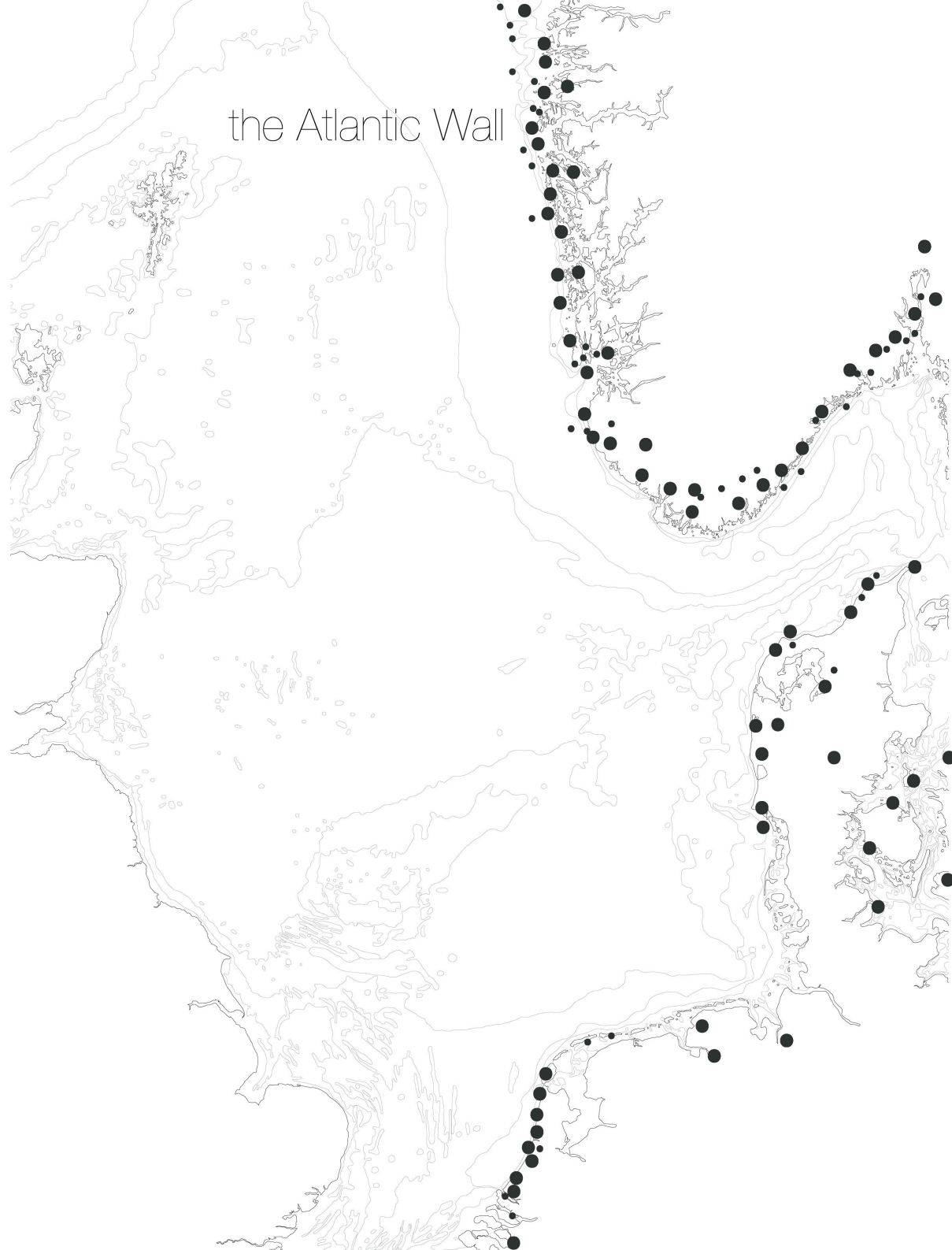
Fascination



the North Sea



the Atlantic Wall



The story that has never finished

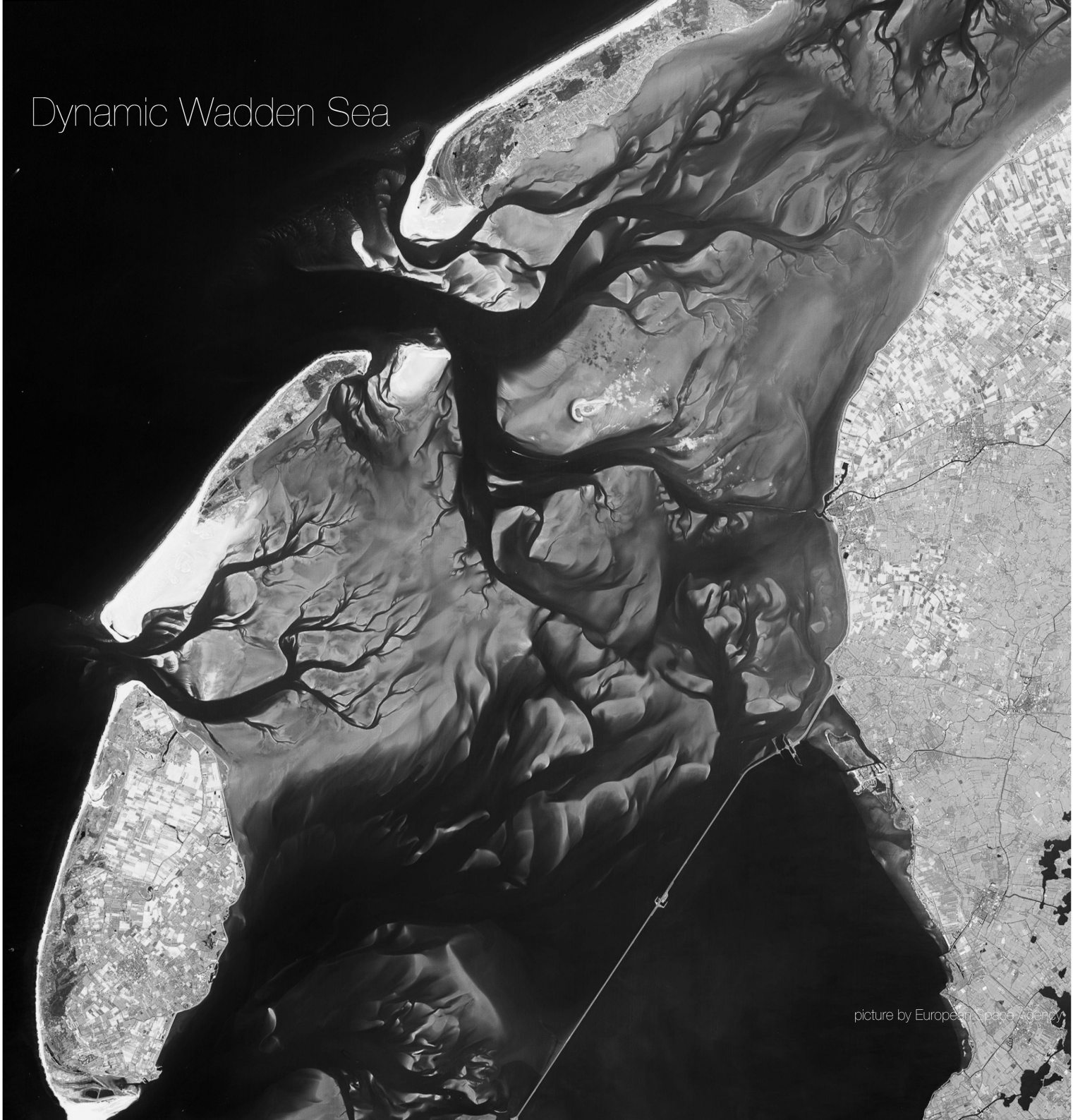


picture Copyright © 2017 The History Place

Location- Wadden Sea



Dynamic Wadden Sea

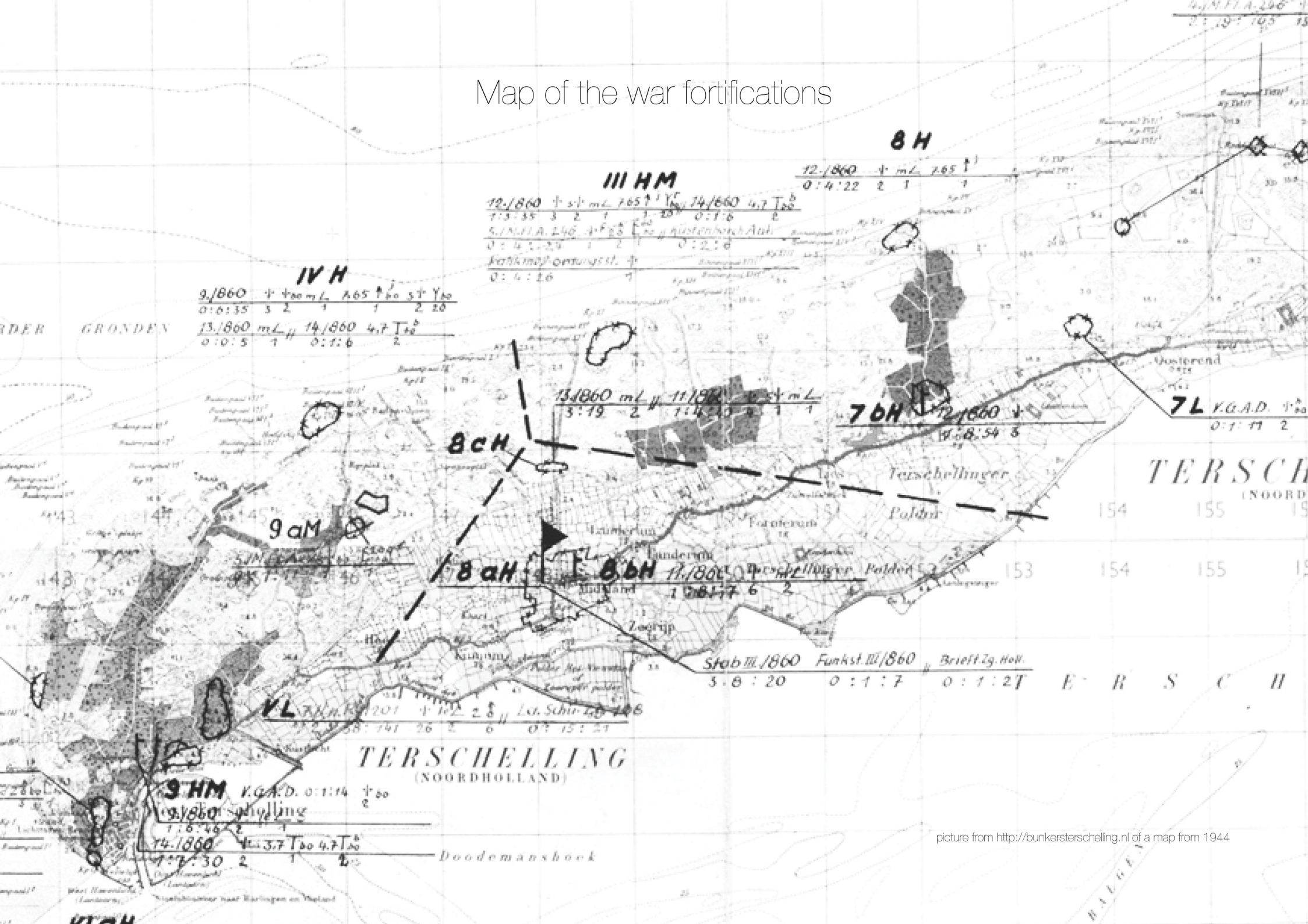


picture by European Space Agency

Biodiversity

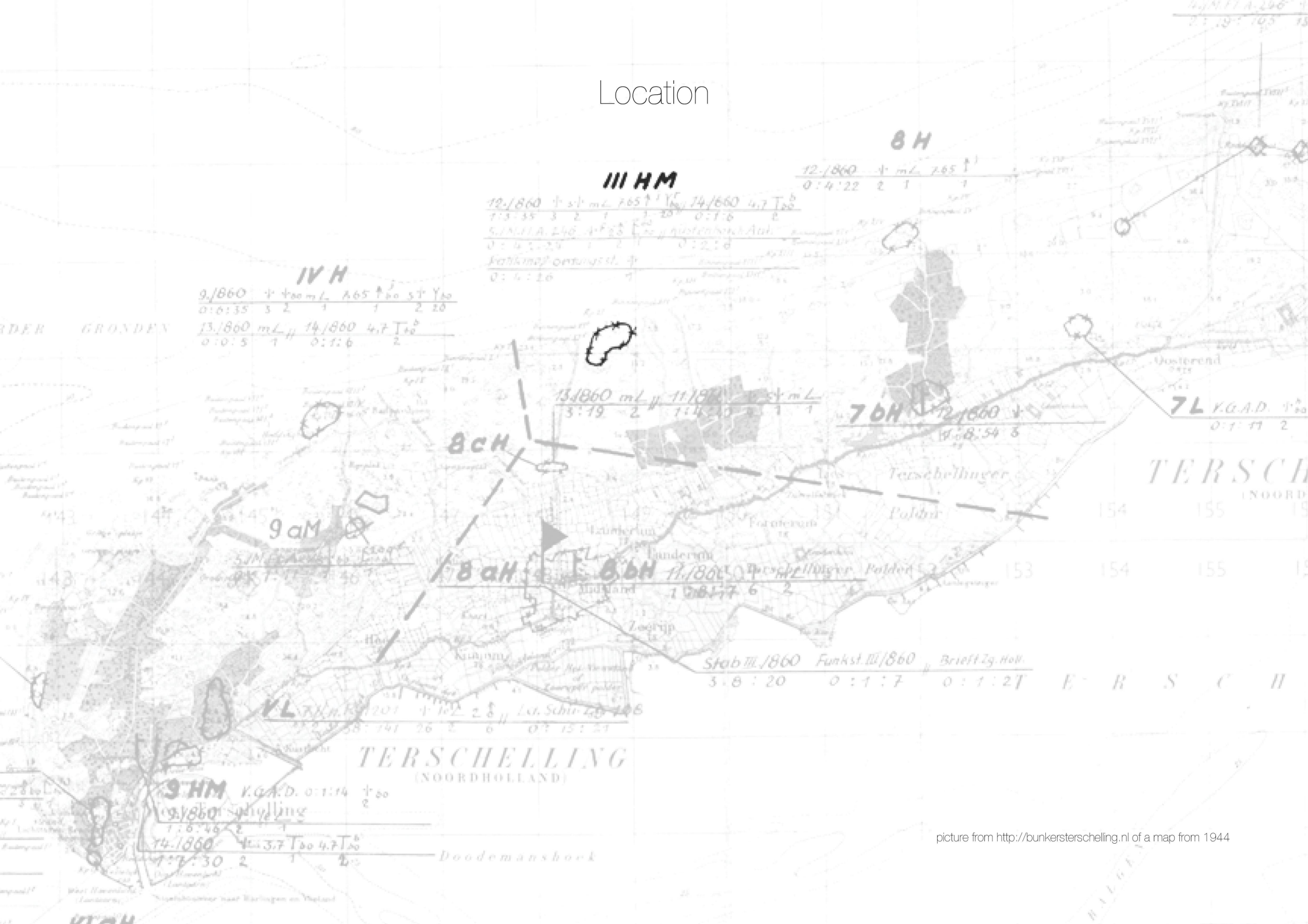


Map of the war fortifications



picture from <http://bunkersterschelling.nl> of a map from 1944

Location



IV H
9/1860 \uparrow 400 m L. A65 \uparrow 200 ST Y60
0:0:35 3 2 1 1 2 20
13/1860 m L // 14/1860 4.7 T60
0:0:5 1 0:1:6 2

III HM
12/1860 \uparrow 50 m L. 765 \uparrow 1 Y60 // 14/1860 4.7 T60
1:3:35 3 2 1 2 20 0:1:8
5.1/11 A. 246 \uparrow 65 L. 200 g. 400 m L. A65
0:4:5 2 1 2 1 0:2:8
Forking of outposts. \uparrow
0:4:10

12/1860 \uparrow m L. 765 \uparrow
0:4:22 2 1

13/1860 m L // 11/1860 4.7 T60
3:19 2 1:4:10 2 1 1

12/1860 \uparrow
19:08:54 3

7L V.G.A.D. \uparrow 20
0:1:11 2

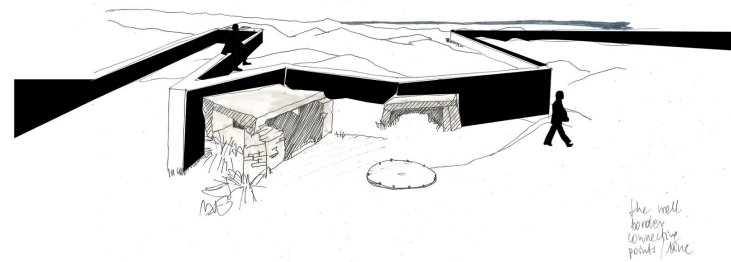
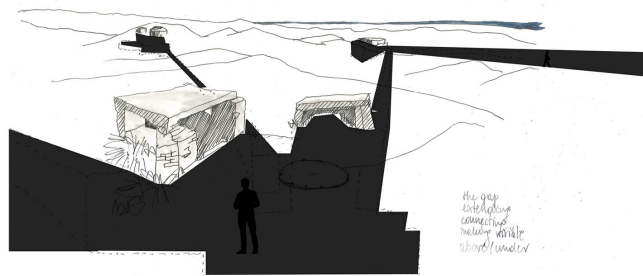
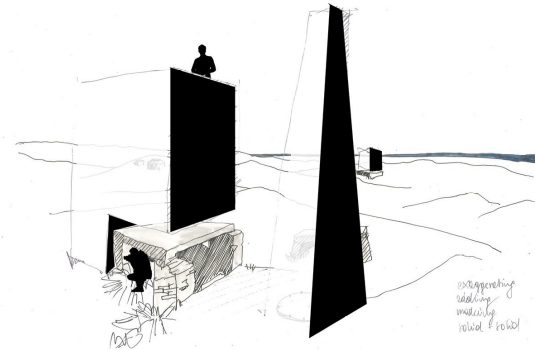
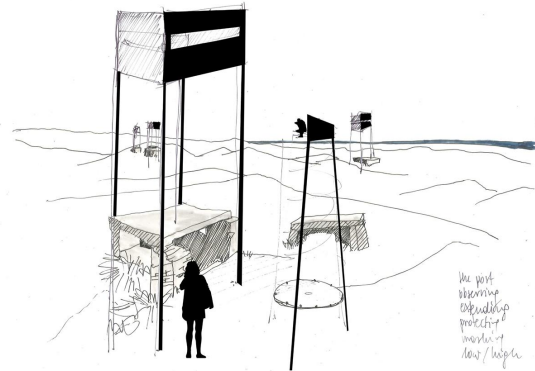
Stab III/1860 Funkst III/1860 Briefl Zg. Nov.
3:8:20 0:1:7 0:1:21

7L 7/11/1860 \uparrow 102 2 8 // Lt. Schie 20 108
0:7:15:51

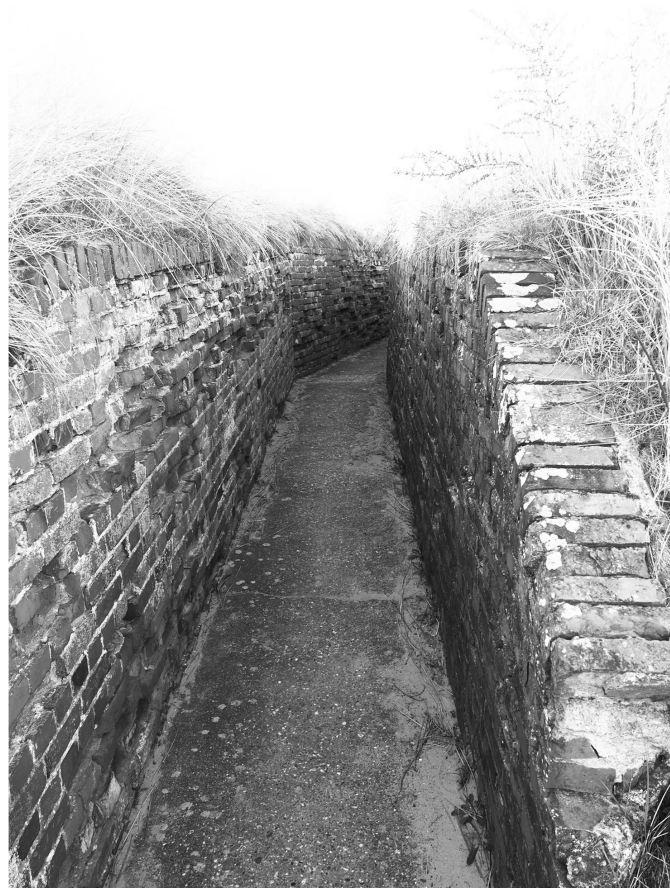
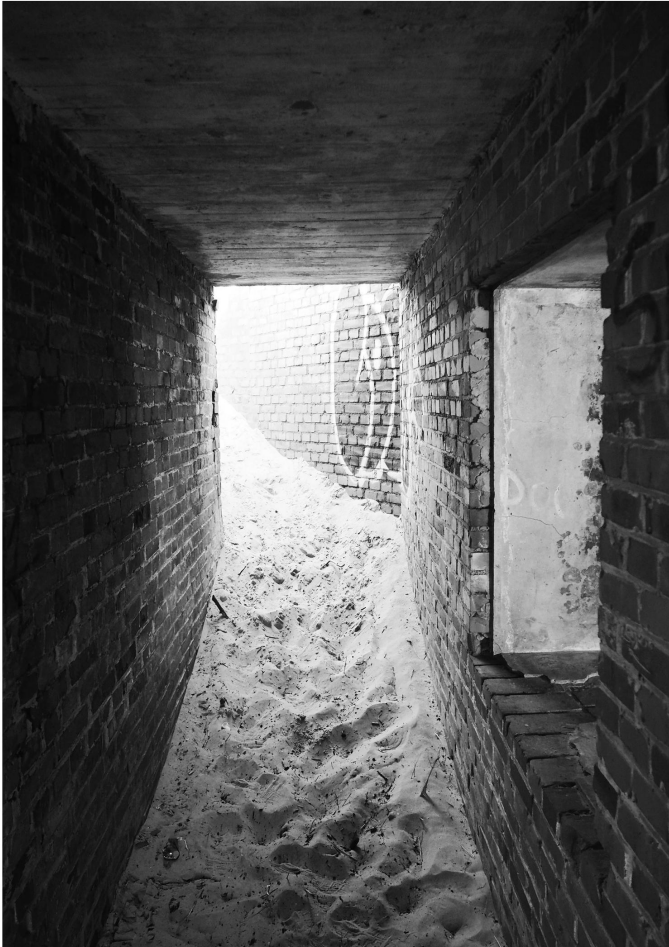
3 HM V.G.A.D. 0:1:14 \uparrow 20
10/1860 Schijlling
1:8:46 2
14/1860 \uparrow 3.7 T60 4.7 T60
1:7:30 2 1 2

picture from <http://bunkersterschelling.nl> of a map from 1944

Moving through the dunes



Experience



The ruins



Research questions

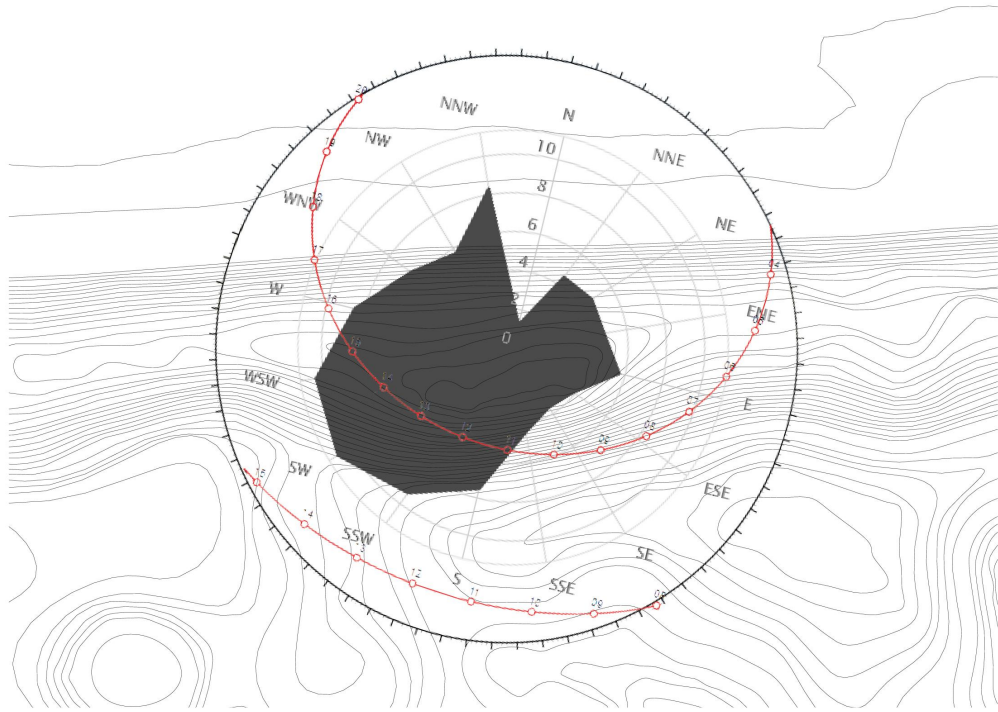
How to deal with war heritage of Atlantic Wall? How can a complex coastal defence border successfully transform into a line of connection between the nations, people and nature?

How can the military architecture of the Atlantic Wall- the defeated symbol of stability and force, coexist with the dynamic tidal landscape of Wadden Sea? If and how should their heritage, history be protected? What is the new possible narrative of the war remains?

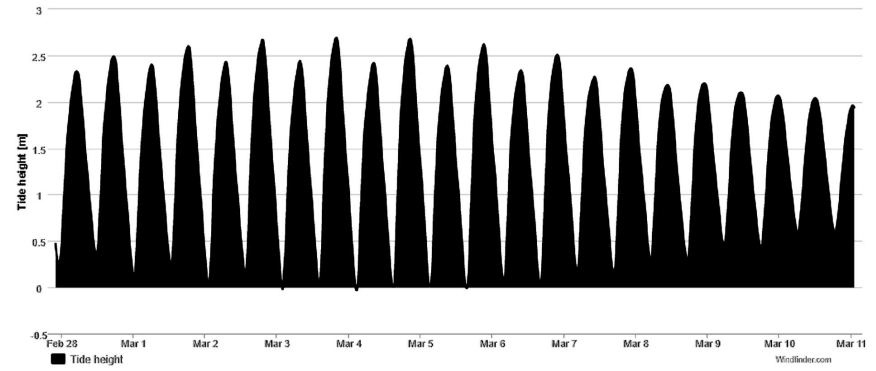
Theatre of nature



Understanding forces



wind and sun paths

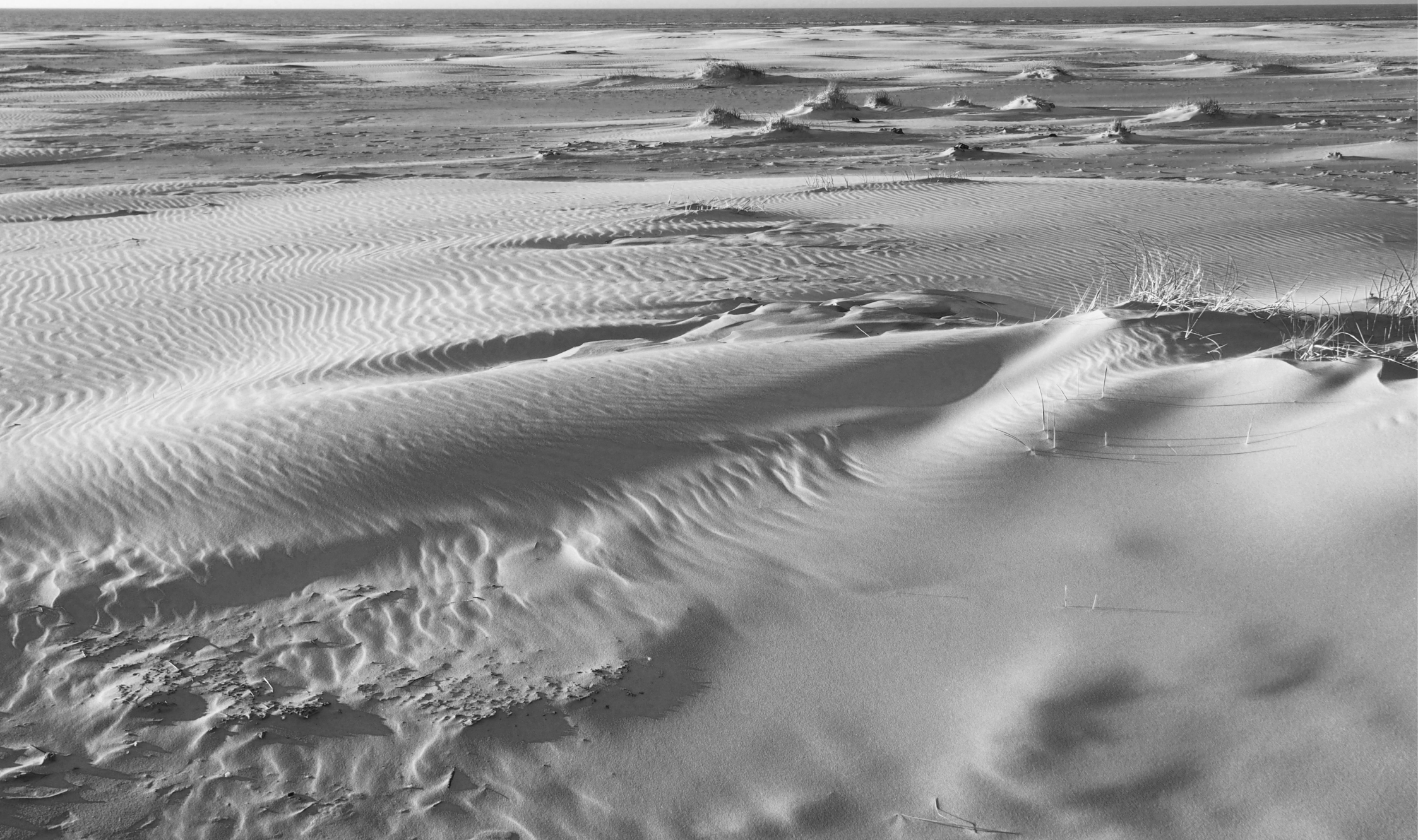


daily tidal differences

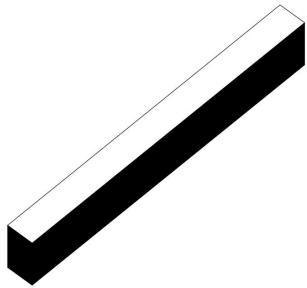


tides in the section

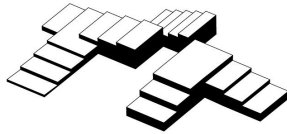
Understanding forces



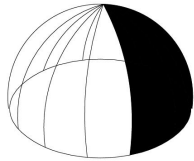
Geometric abstraction of forces into dimensional objects



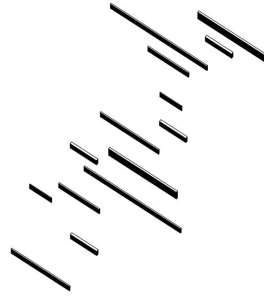
horizon



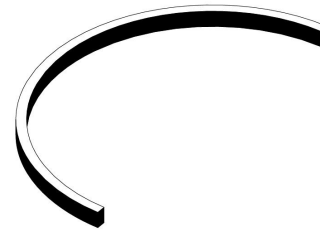
dunes



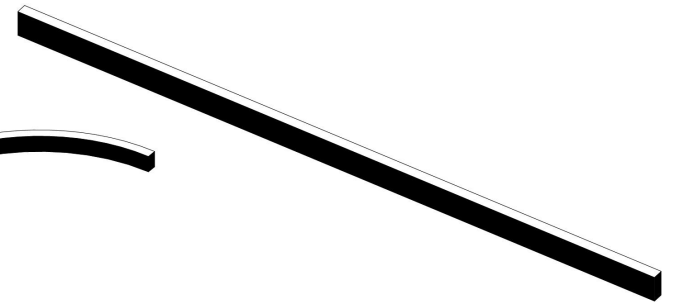
bunkers



wind



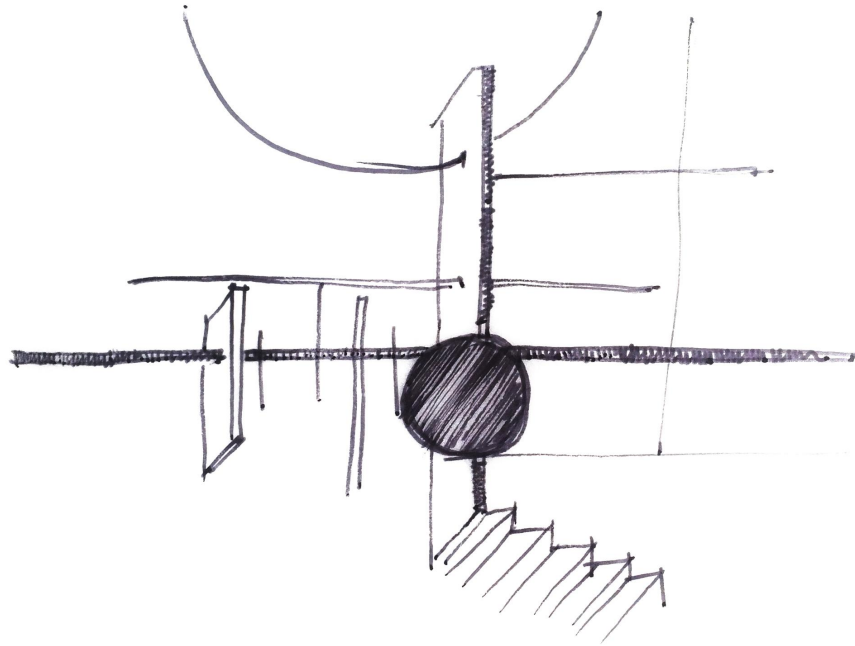
sea



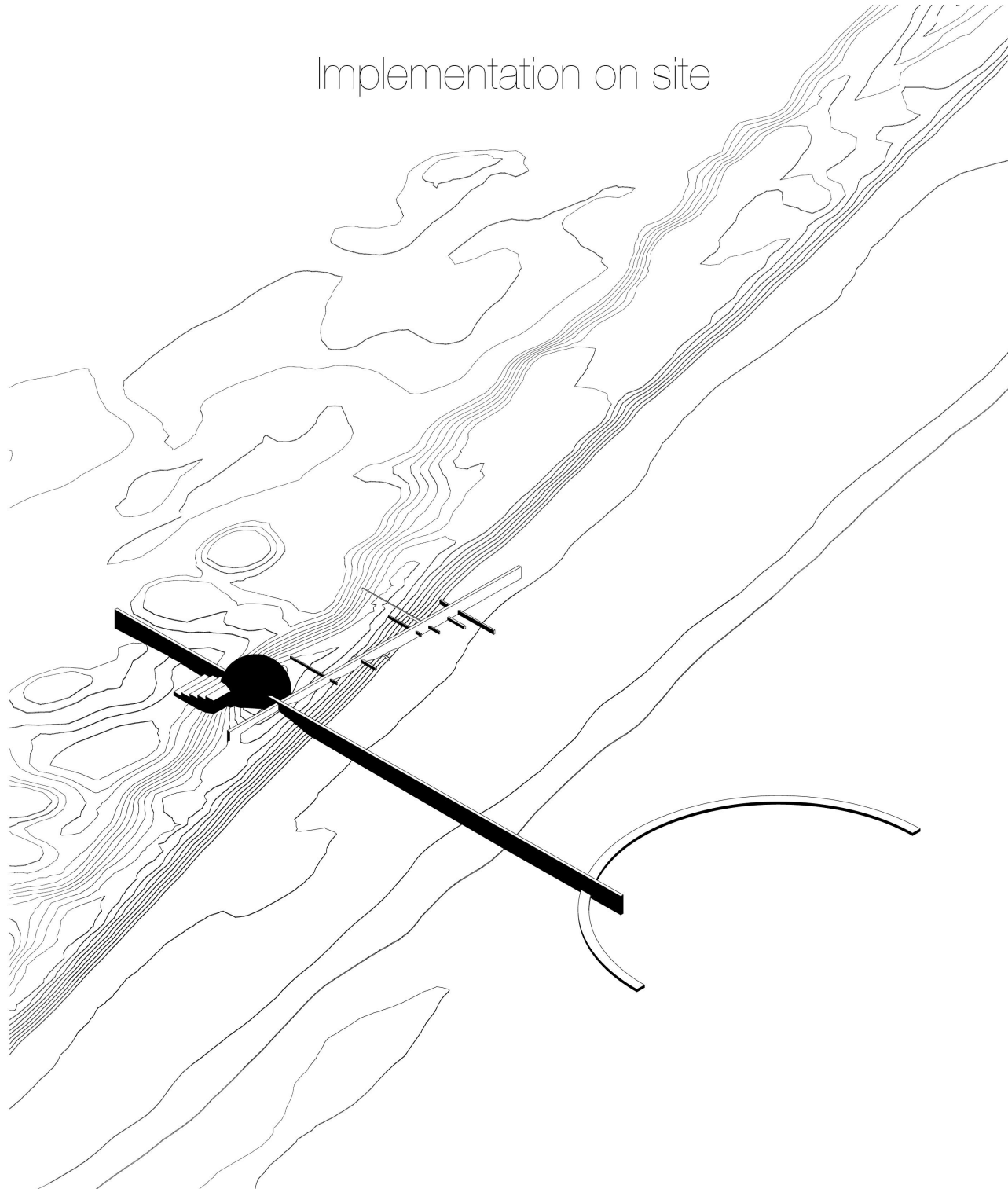
change

Forces

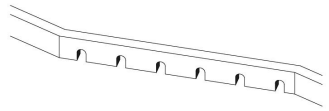
geometric abstraction



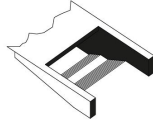
Implementation on site



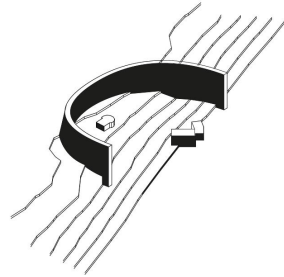
Translation to architectural forms



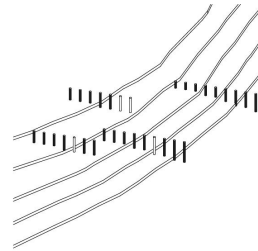
horizon
-retaining wall



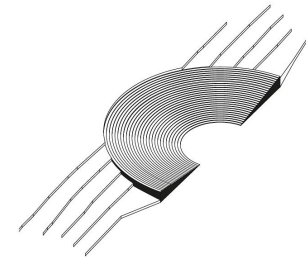
dunes
-stairs



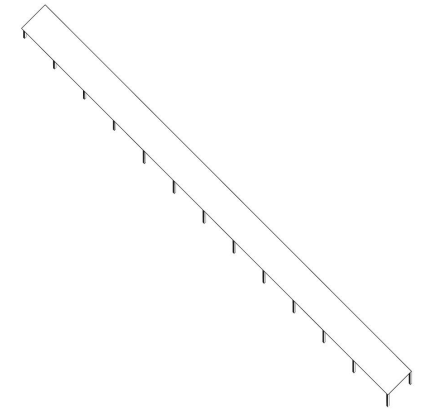
bunkers
-round wall



wind
-pillars



sea
-amphitheatre



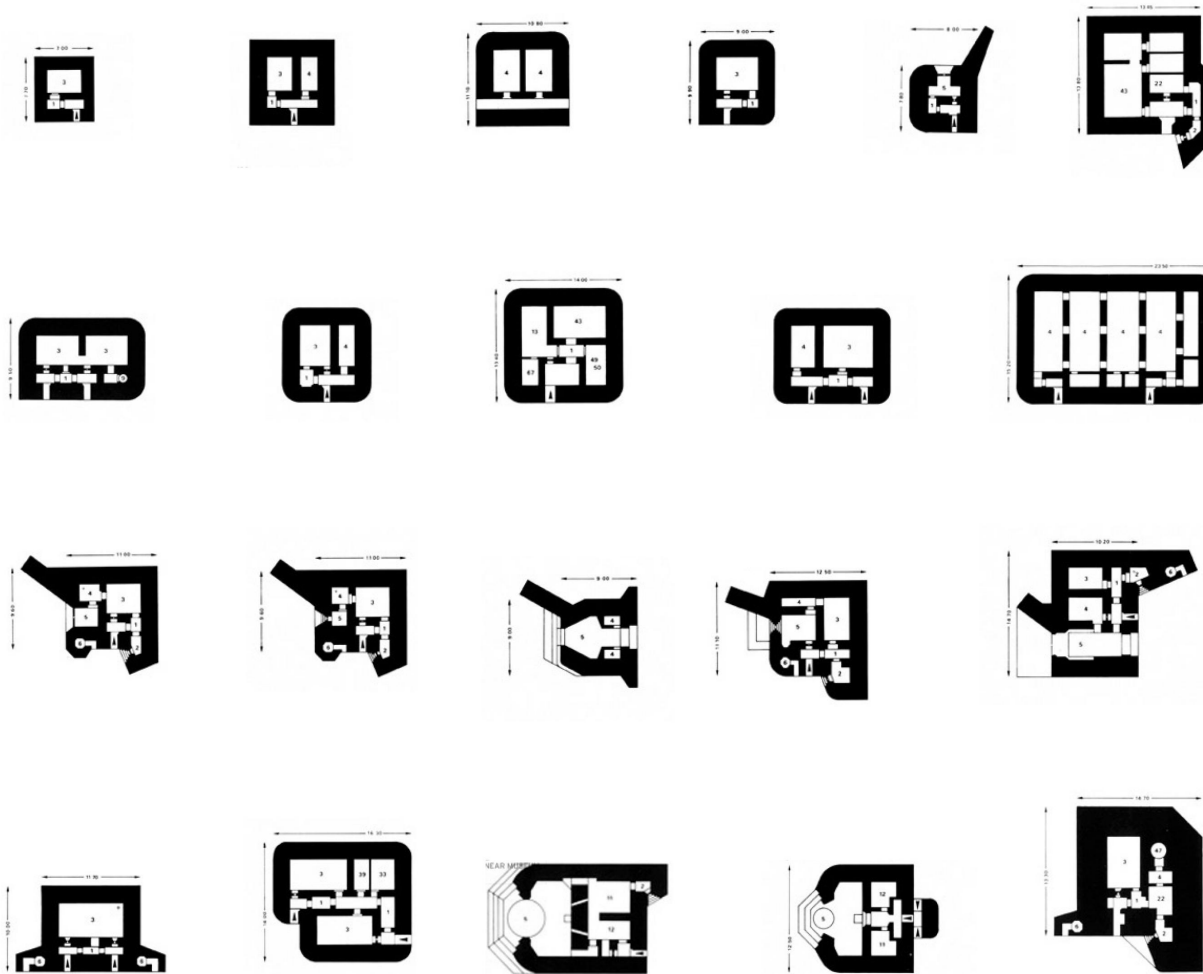
change
-platform

Approach to the heritage

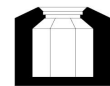
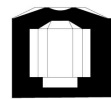
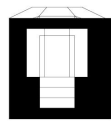
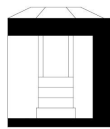
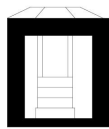
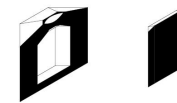
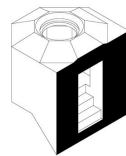
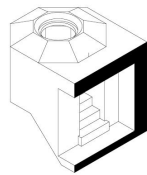
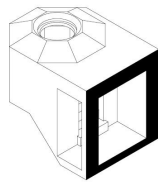
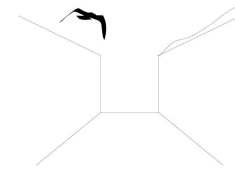
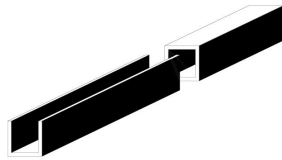
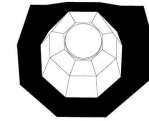
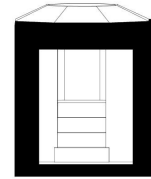
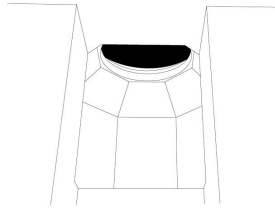
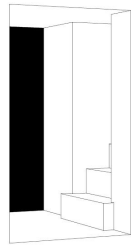


excavation site in Tel Knedig, Syria from *Past from above*

Typology

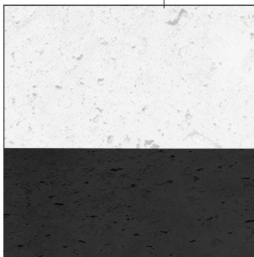


Deconstruction



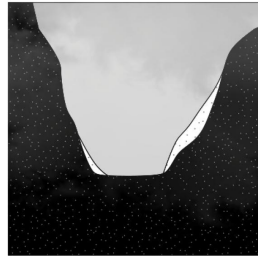
Shifting perspectives

flat area



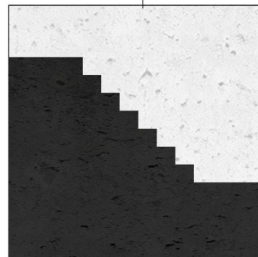
paved plaza

between the dunes



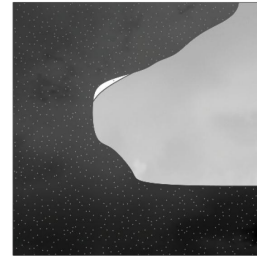
tunnel with skylights

on the top



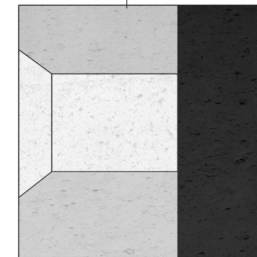
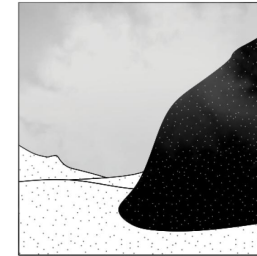
stairs

cave



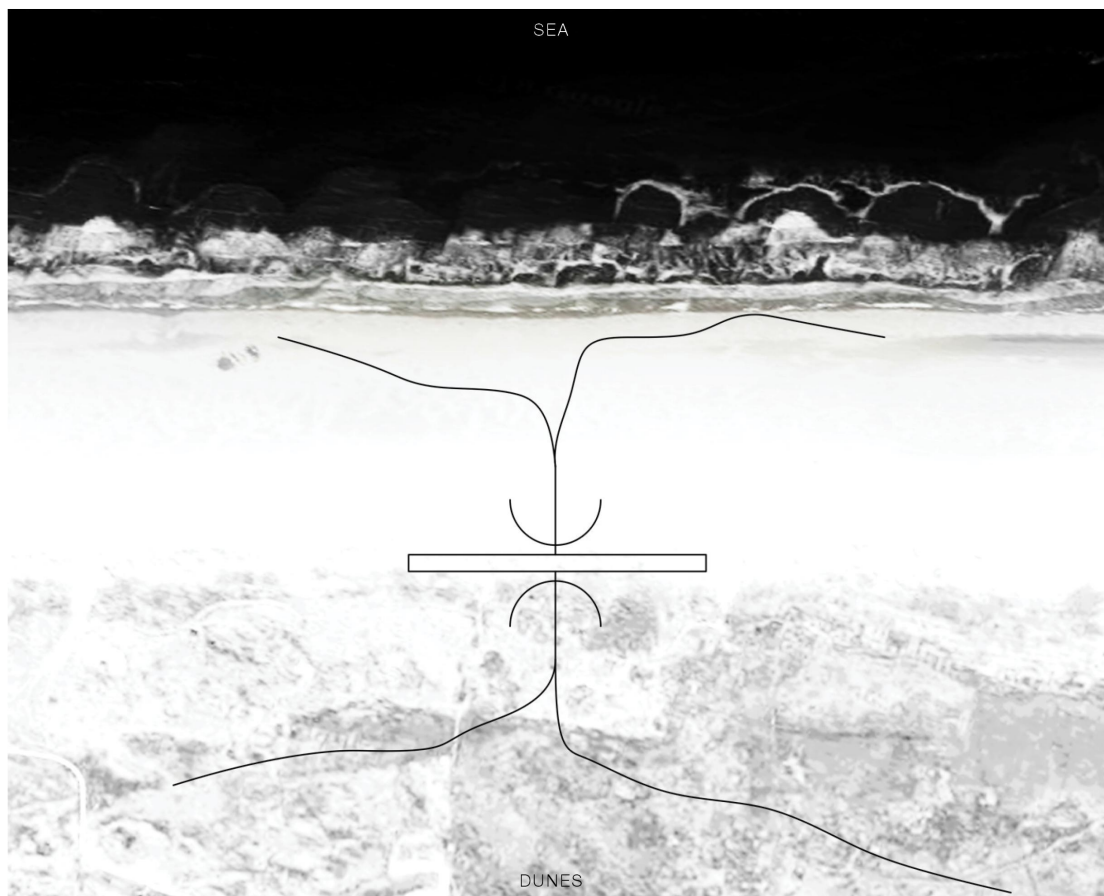
gate

behind the dune

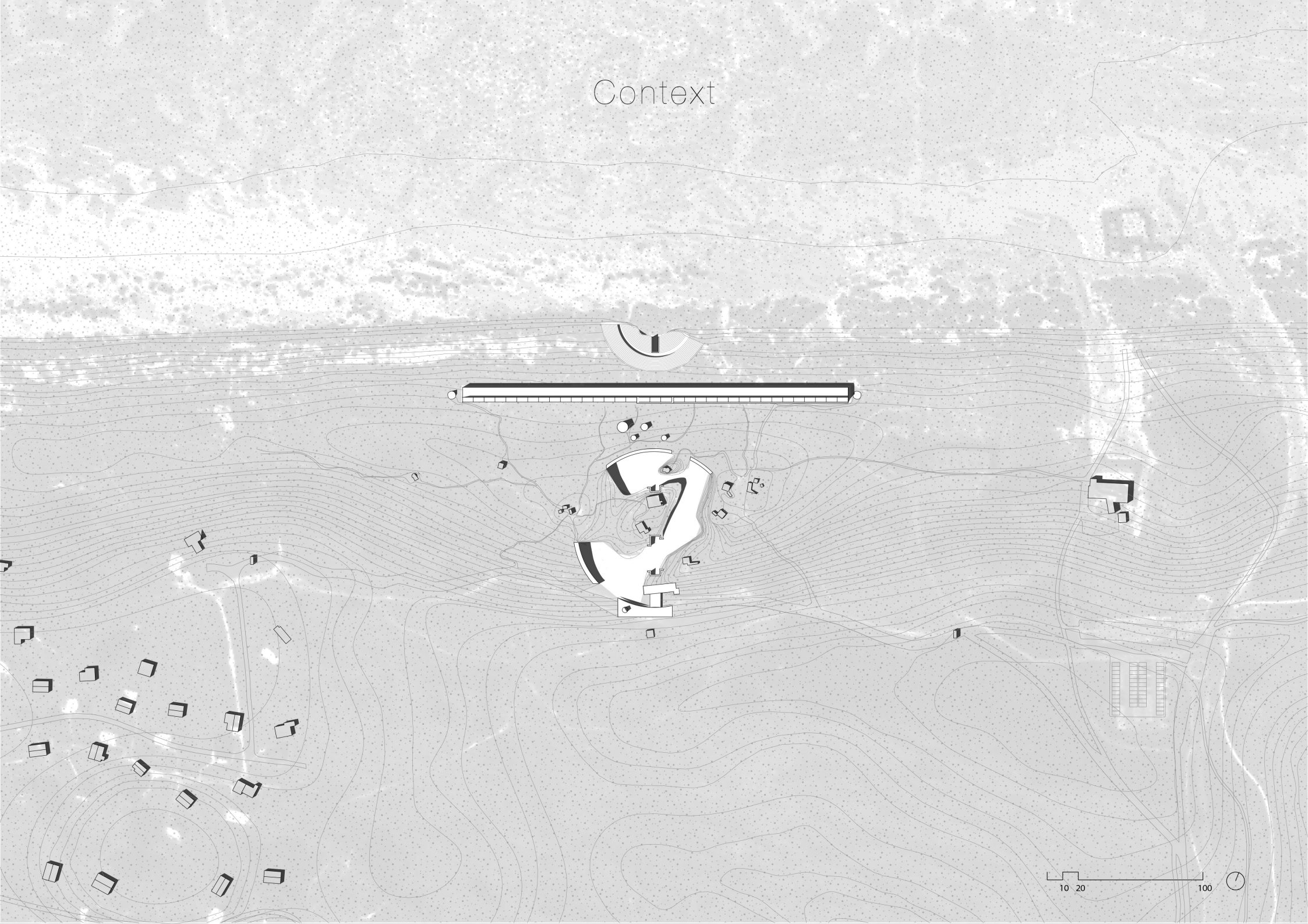


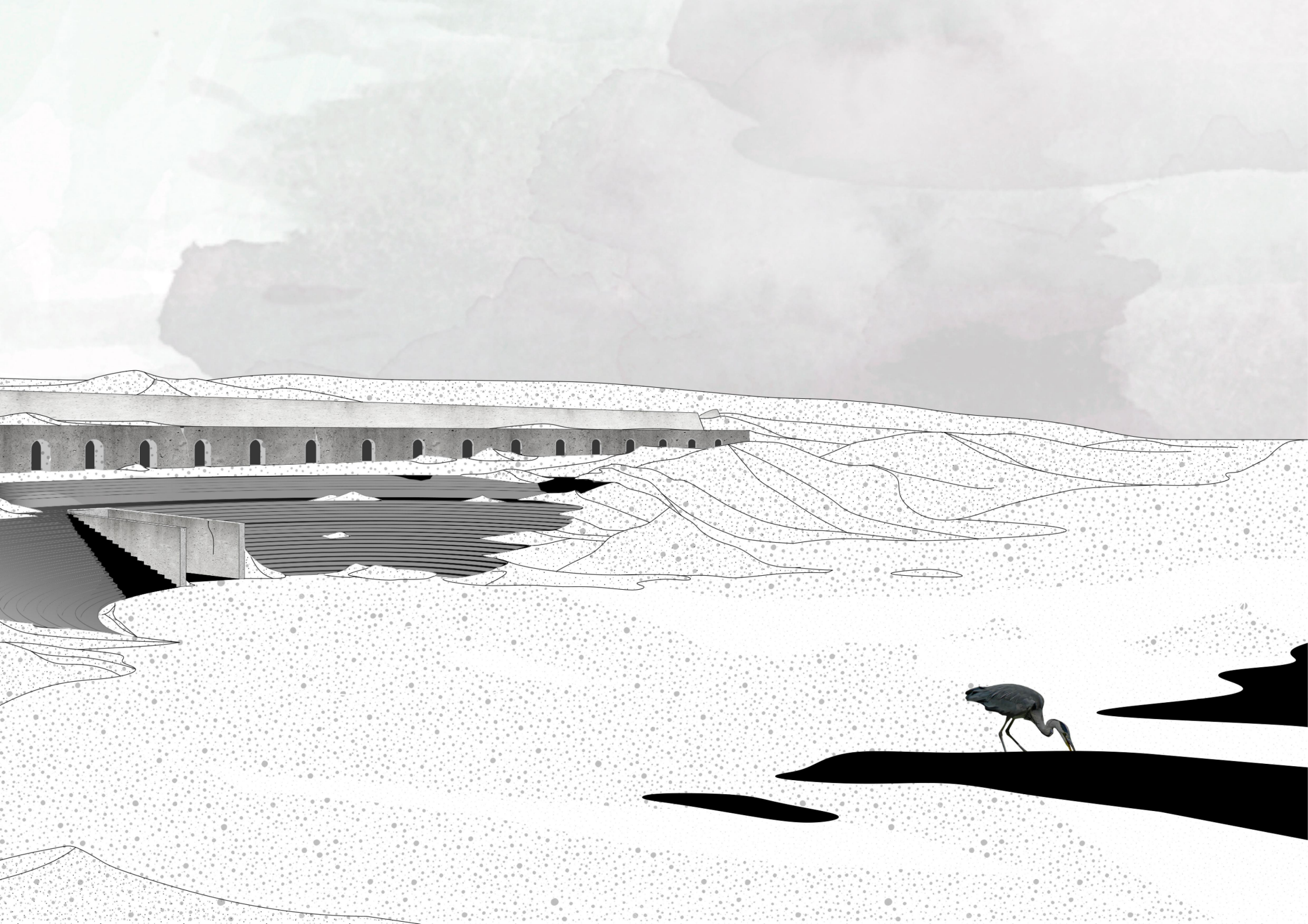
openings

Ritual- the path

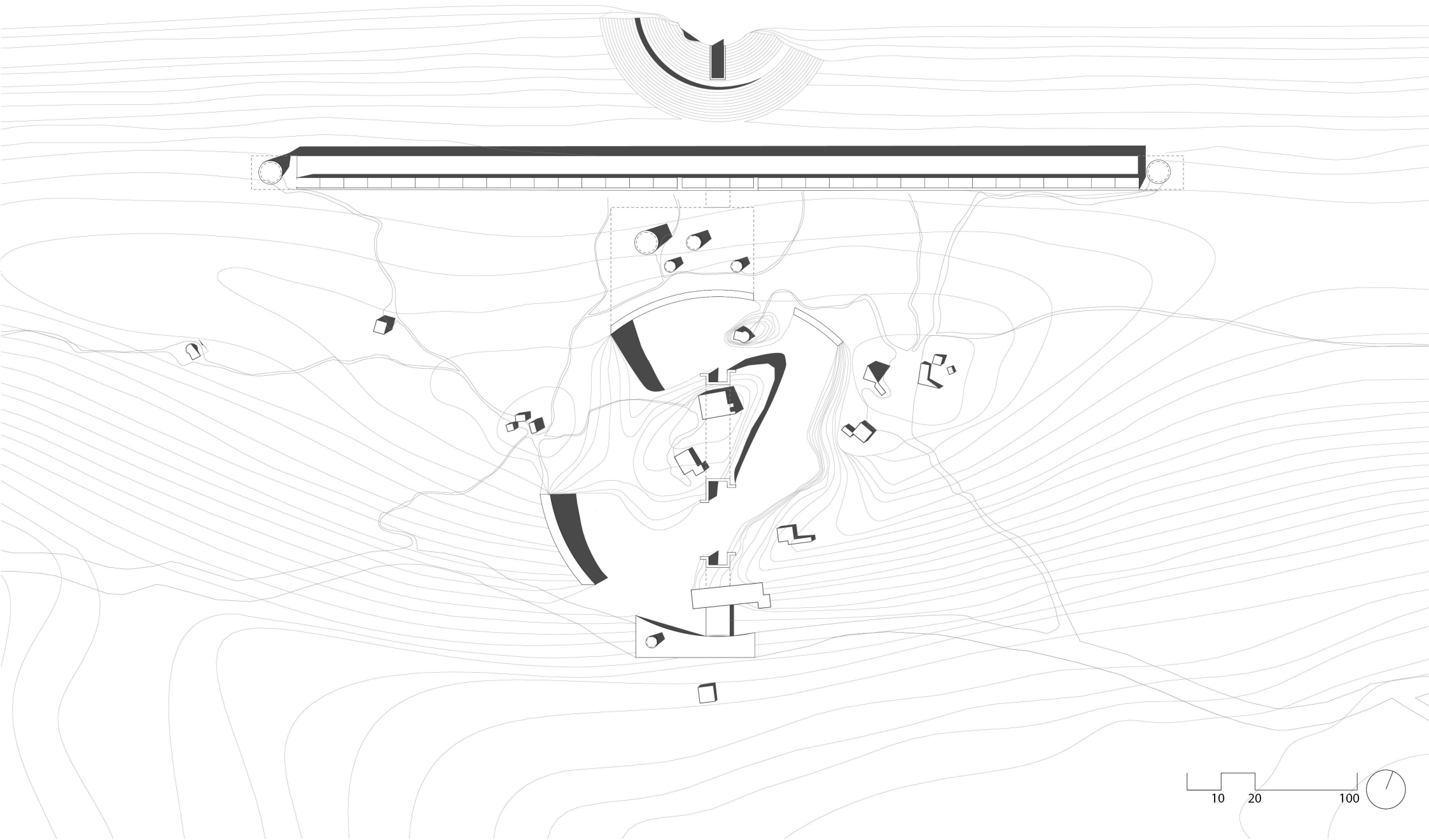


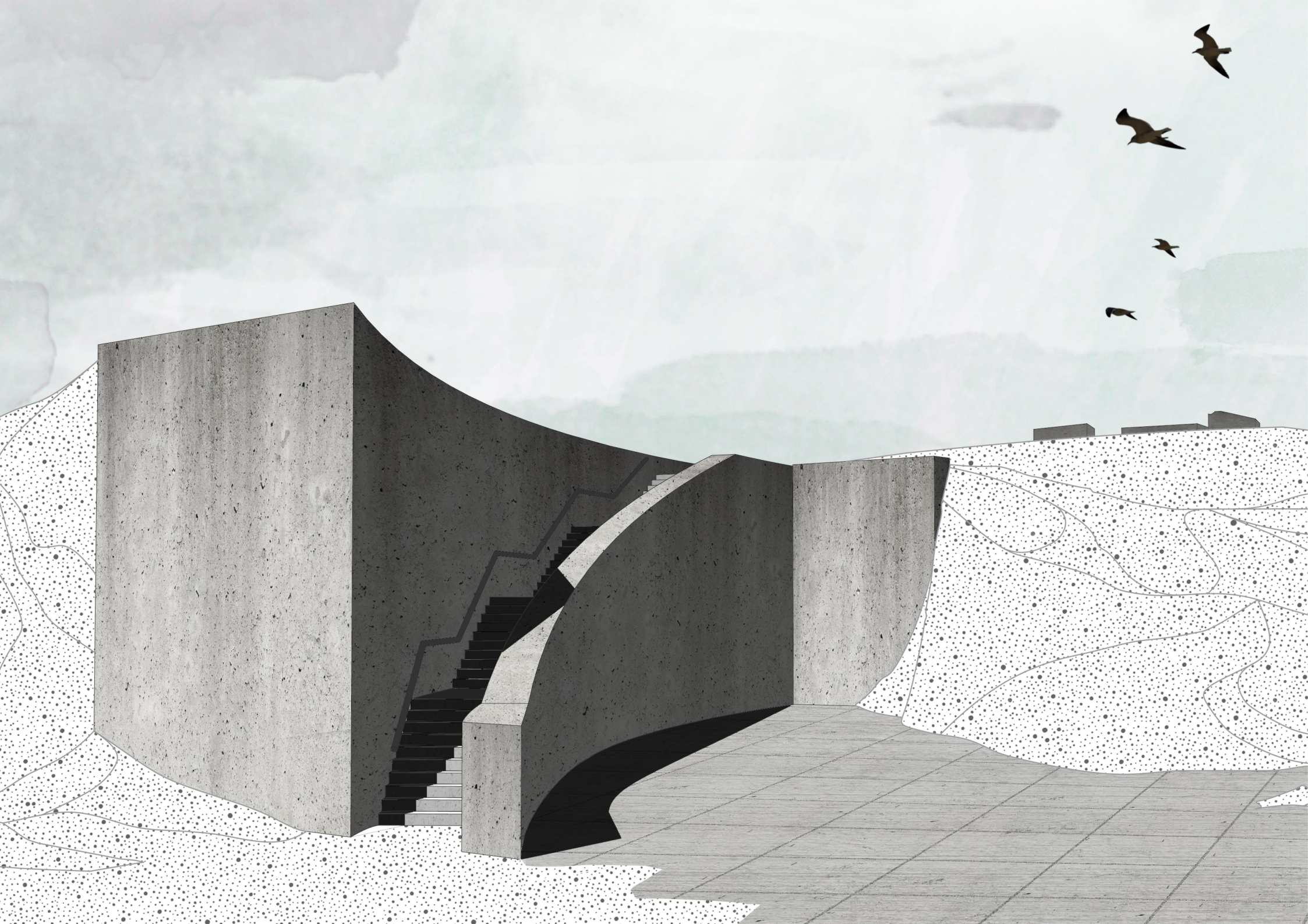
Context



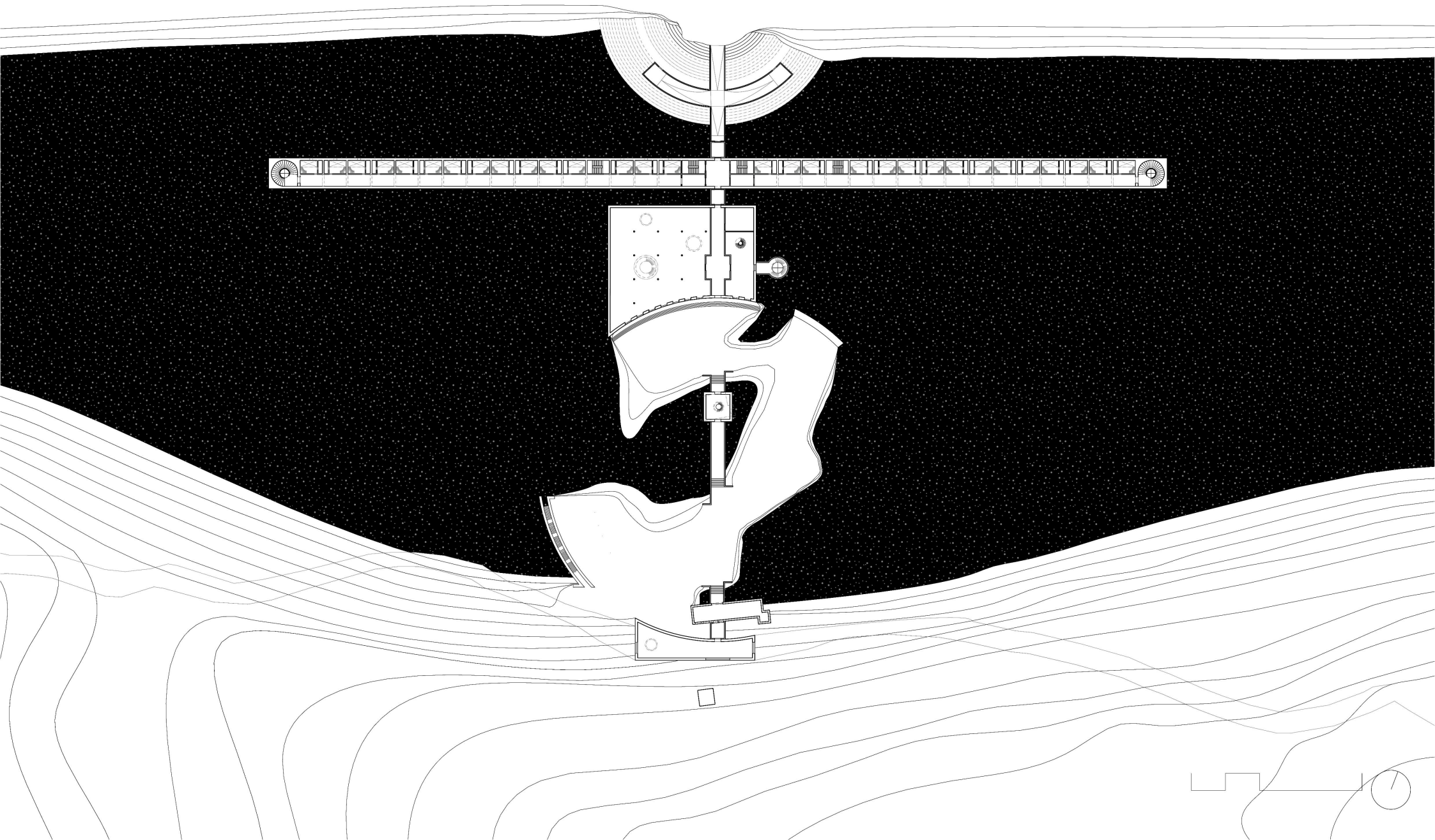


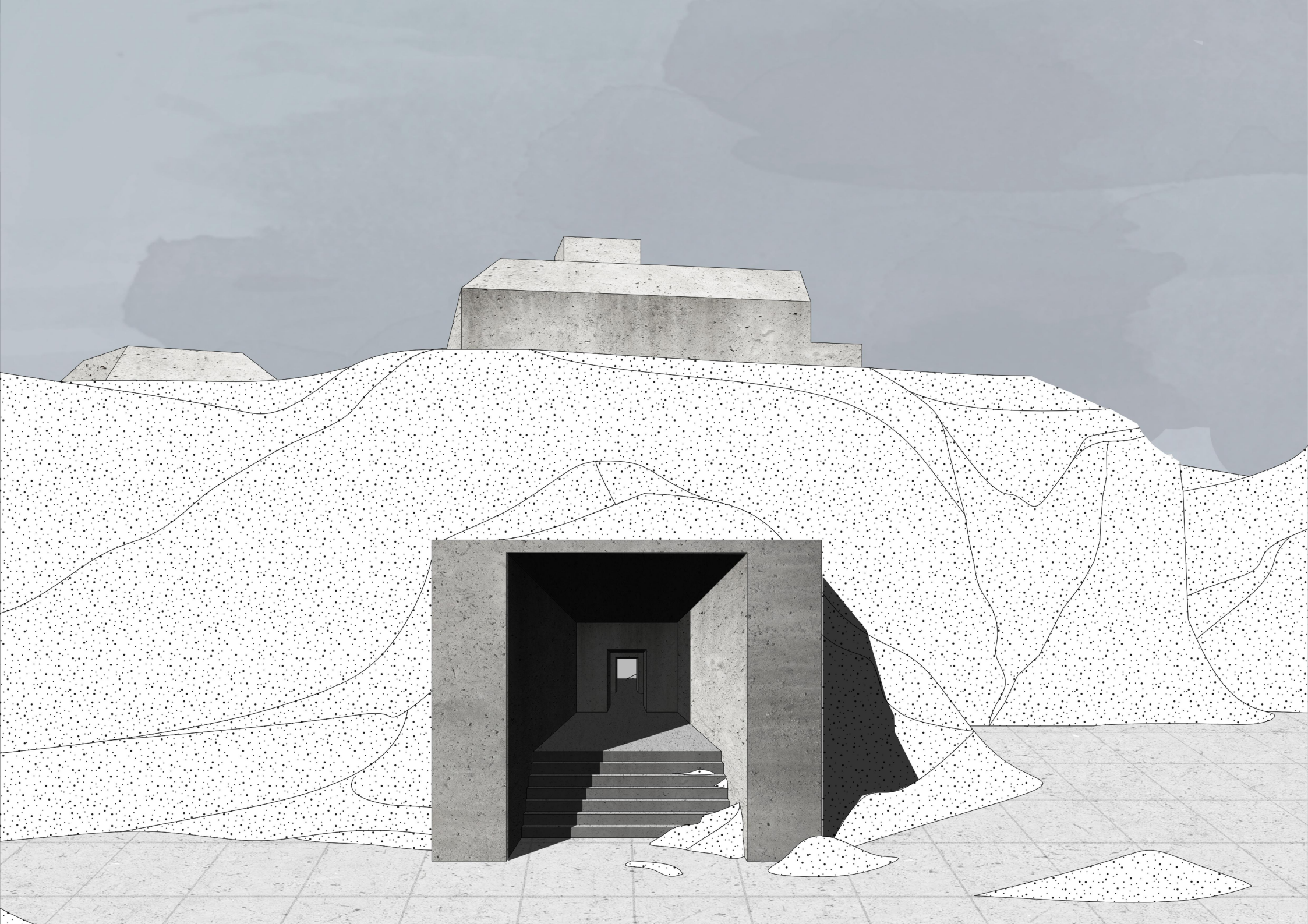
Siteplan



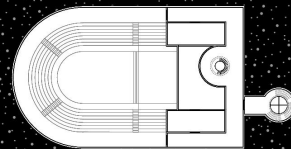


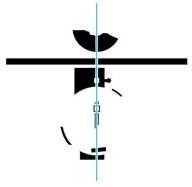
Ground level plan



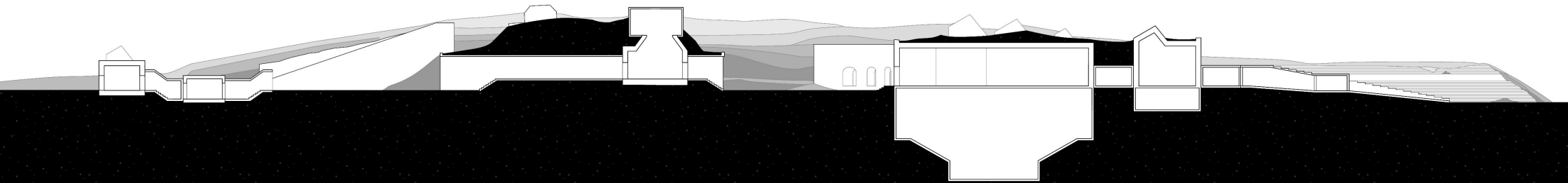


Underground plan



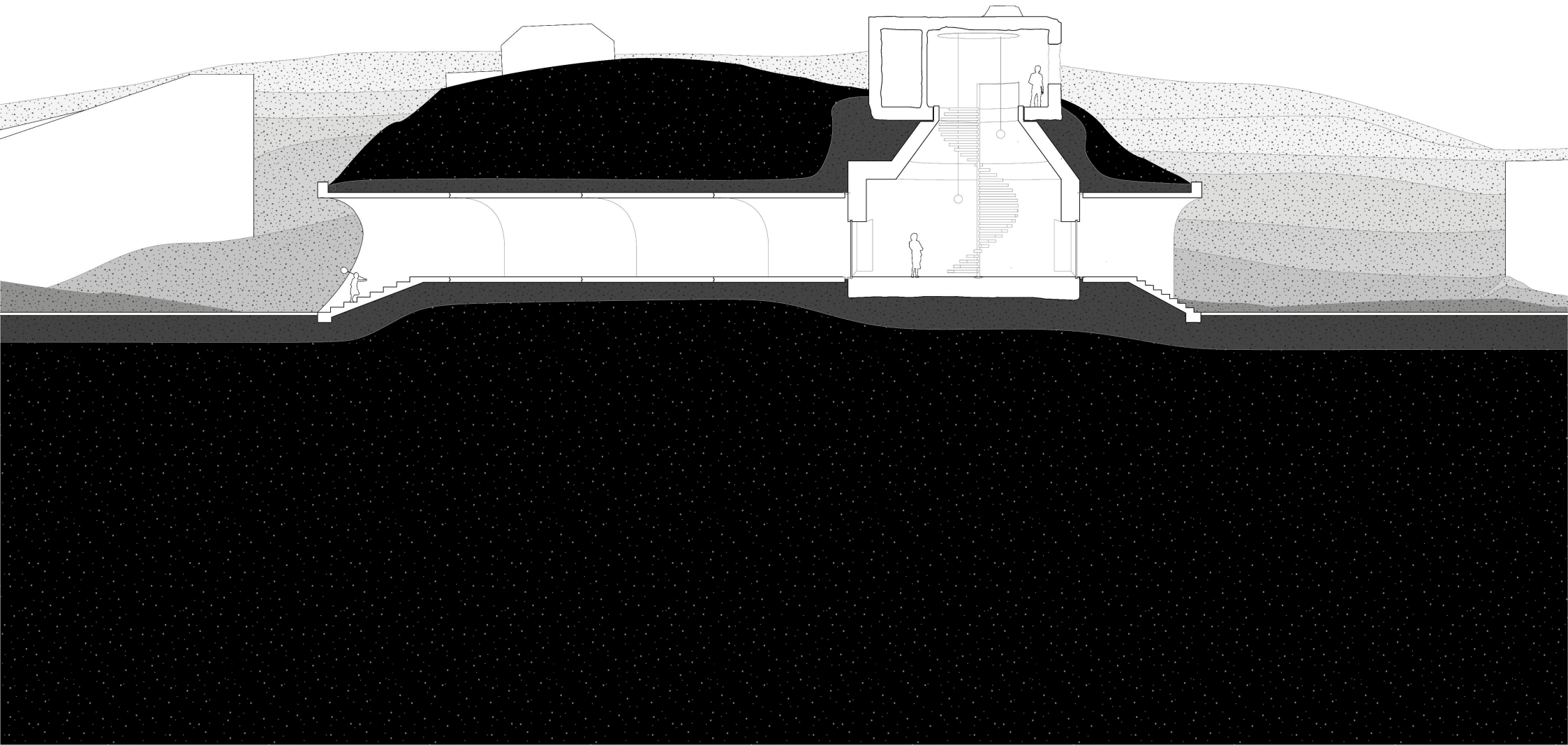


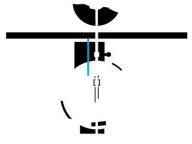
The path



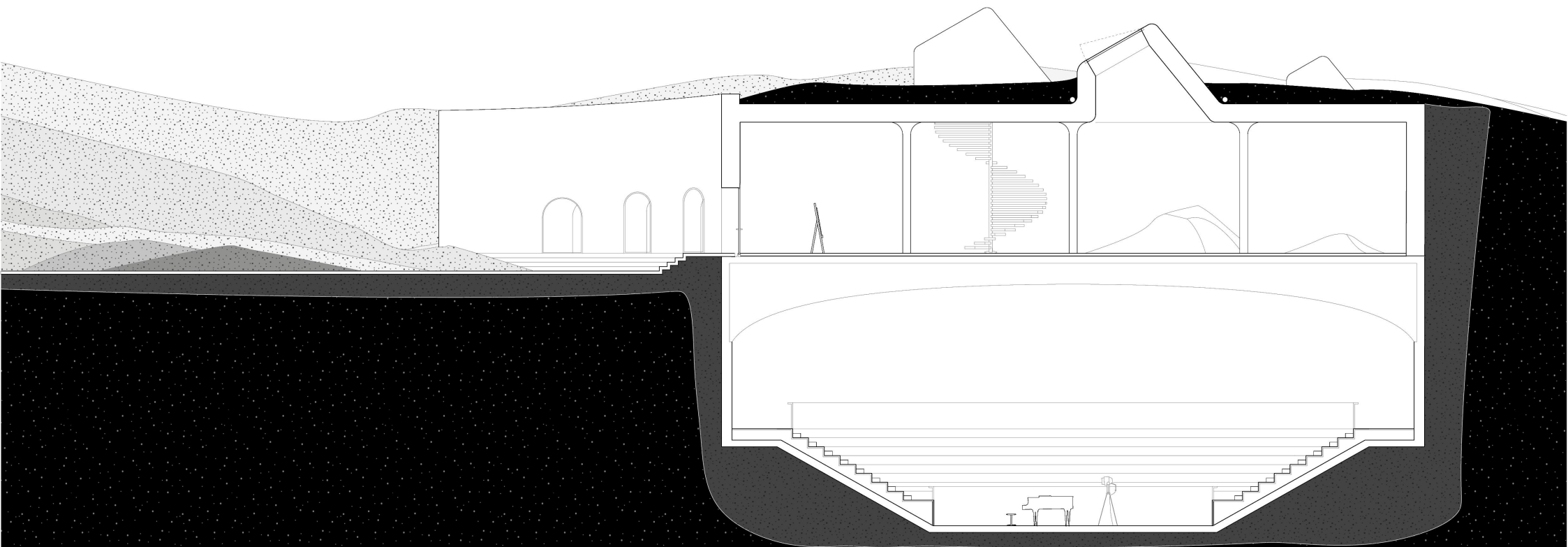


Tunnel



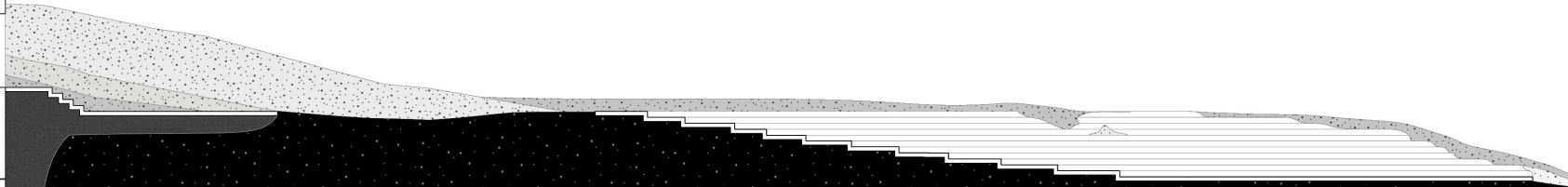
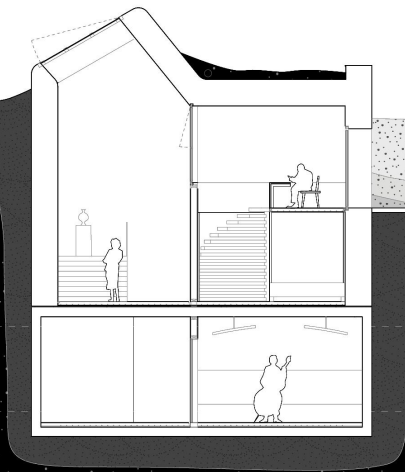


Main building

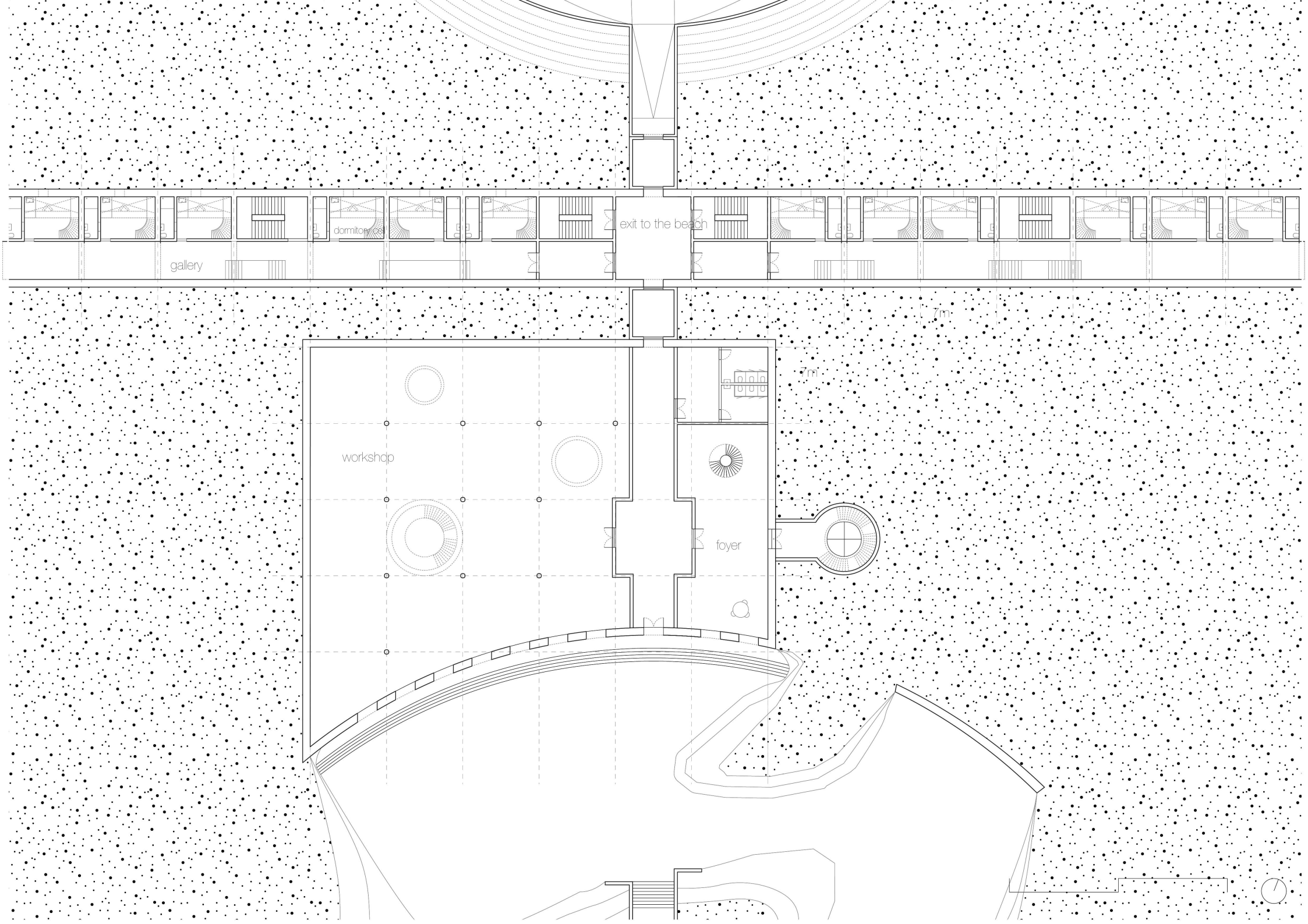




The long block







gallery

dormitory

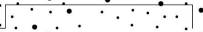
exit to the beach

workshop

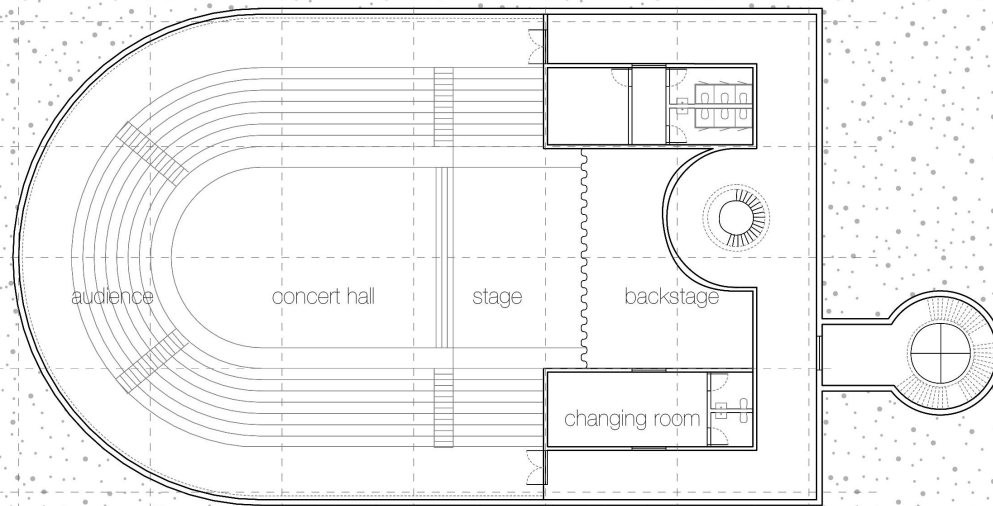
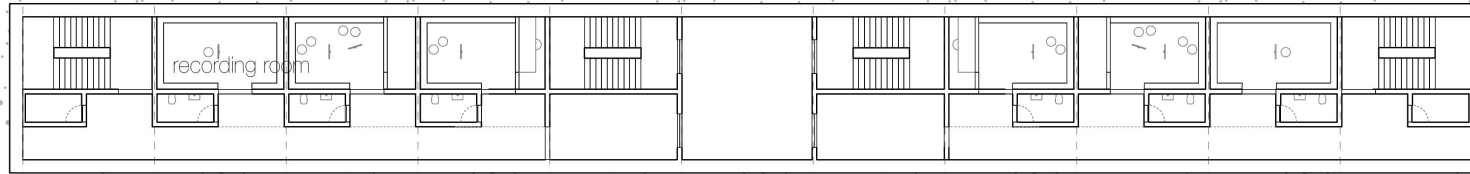
foyer

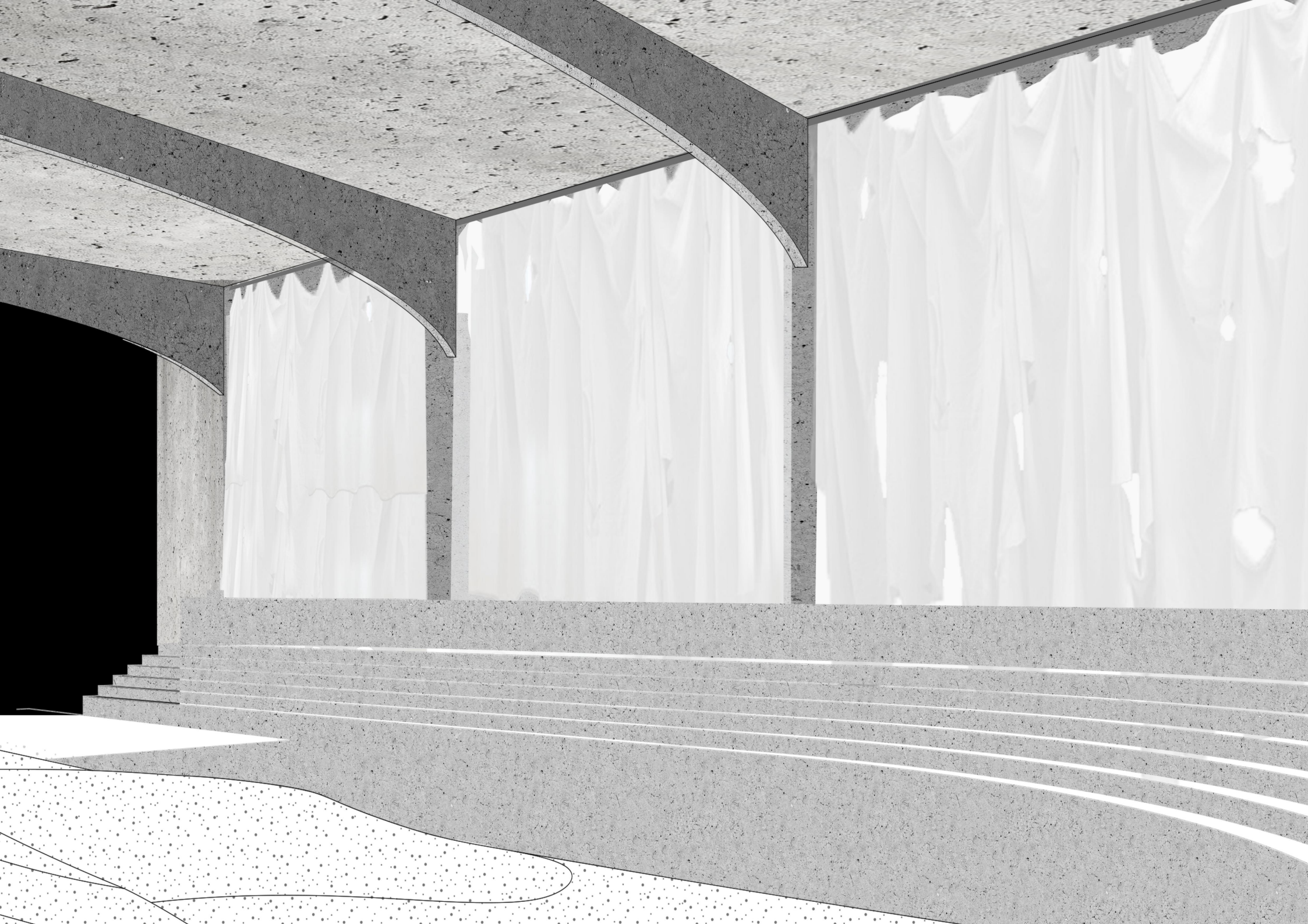
7m

7m

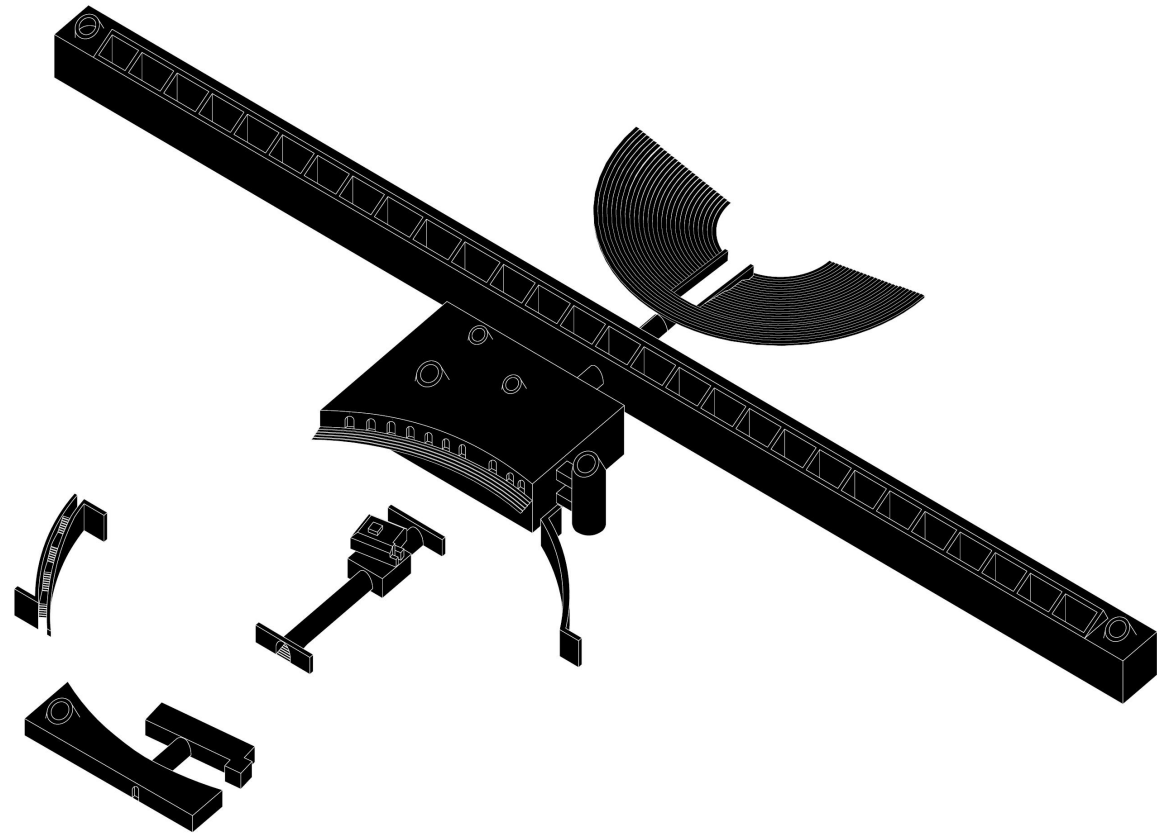




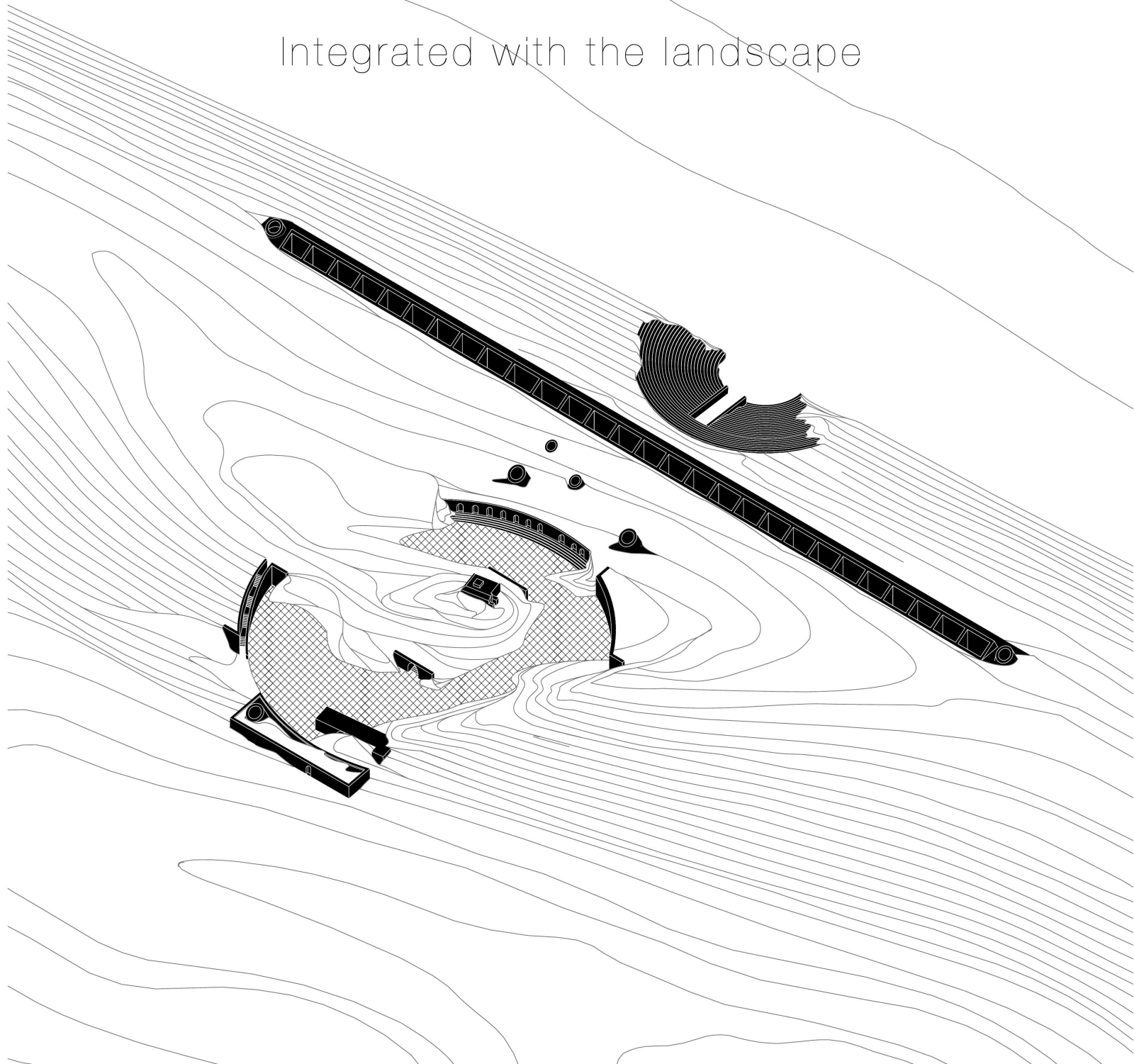




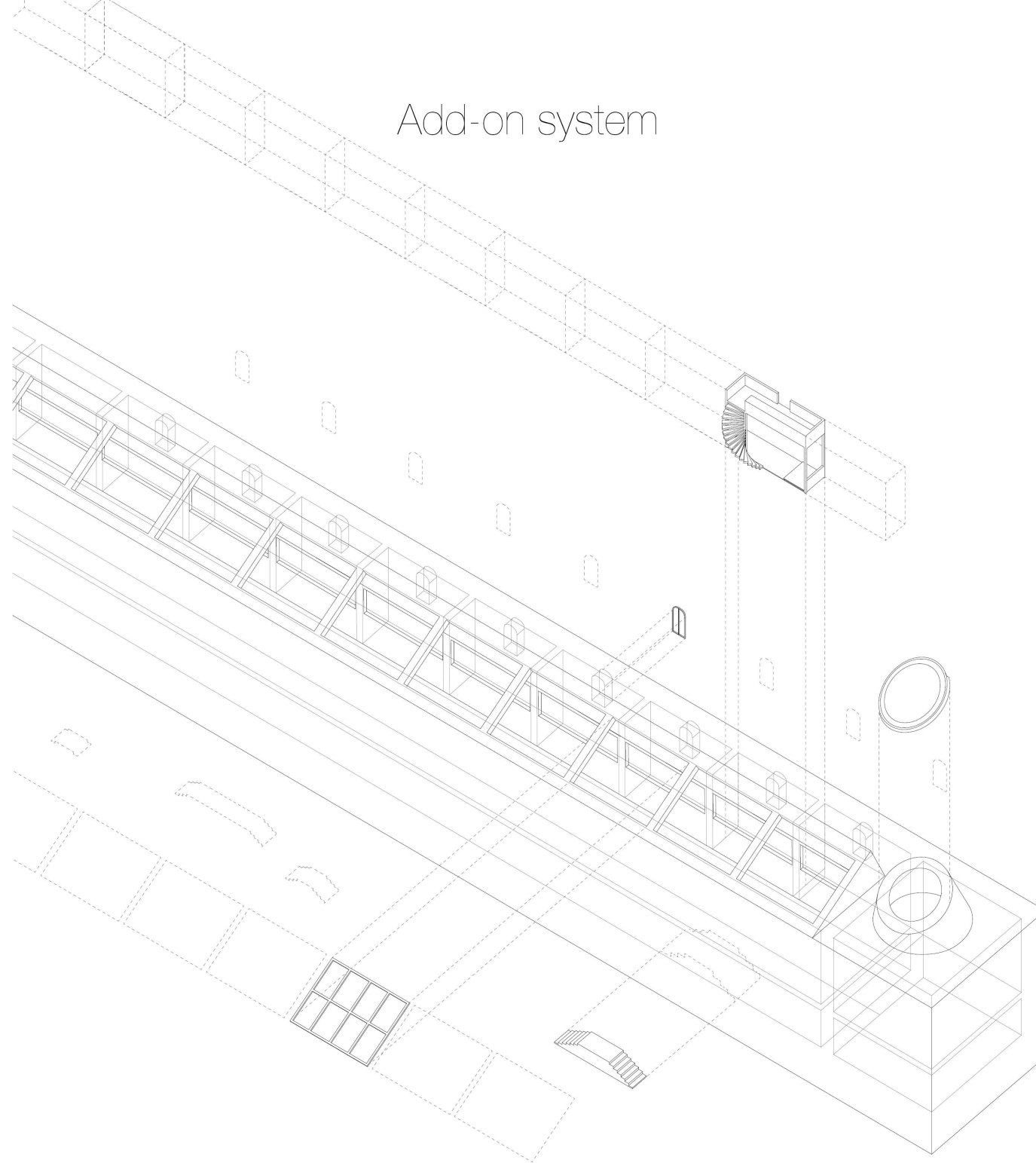
Excavated



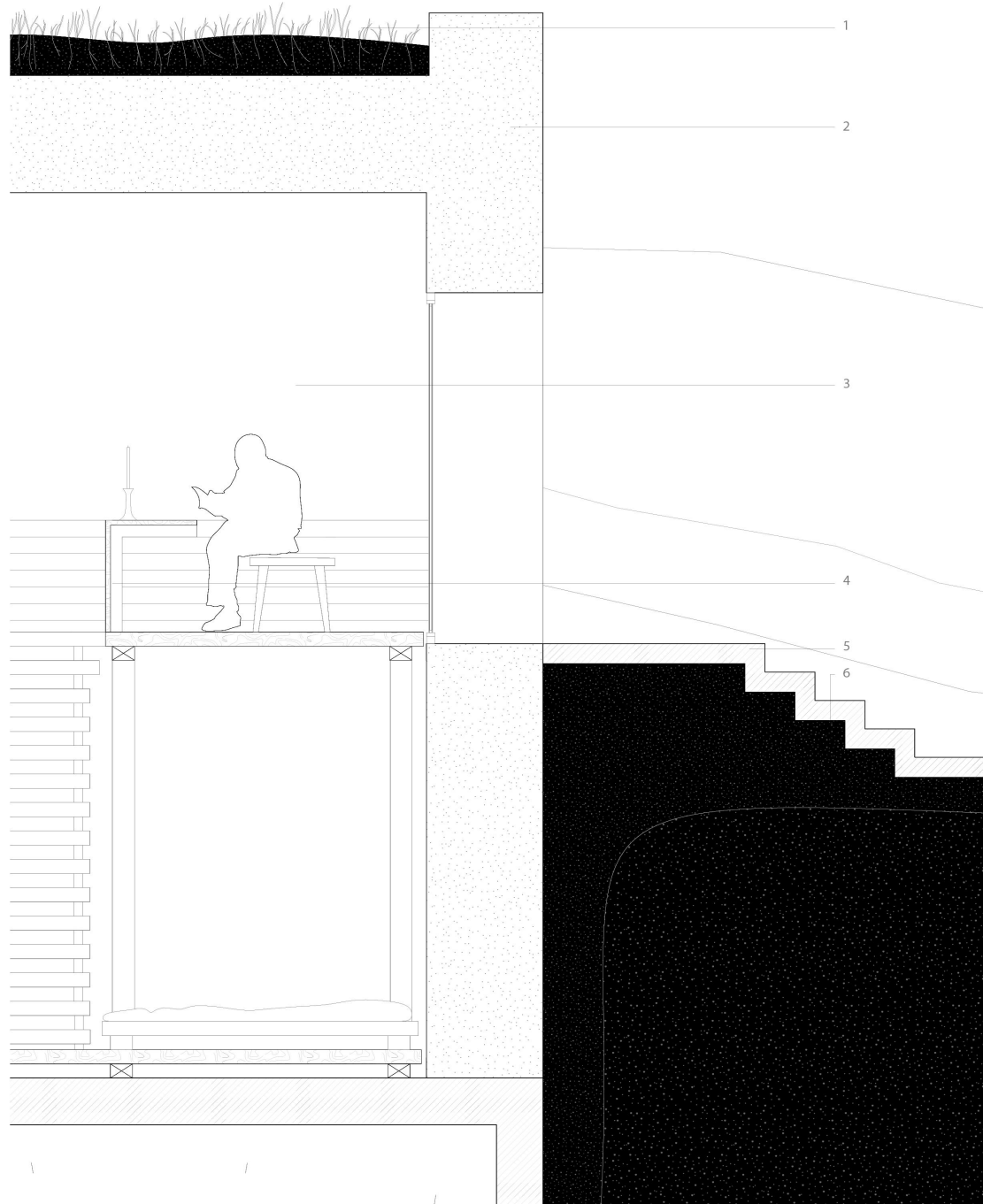
Integrated with the landscape



Add-on system

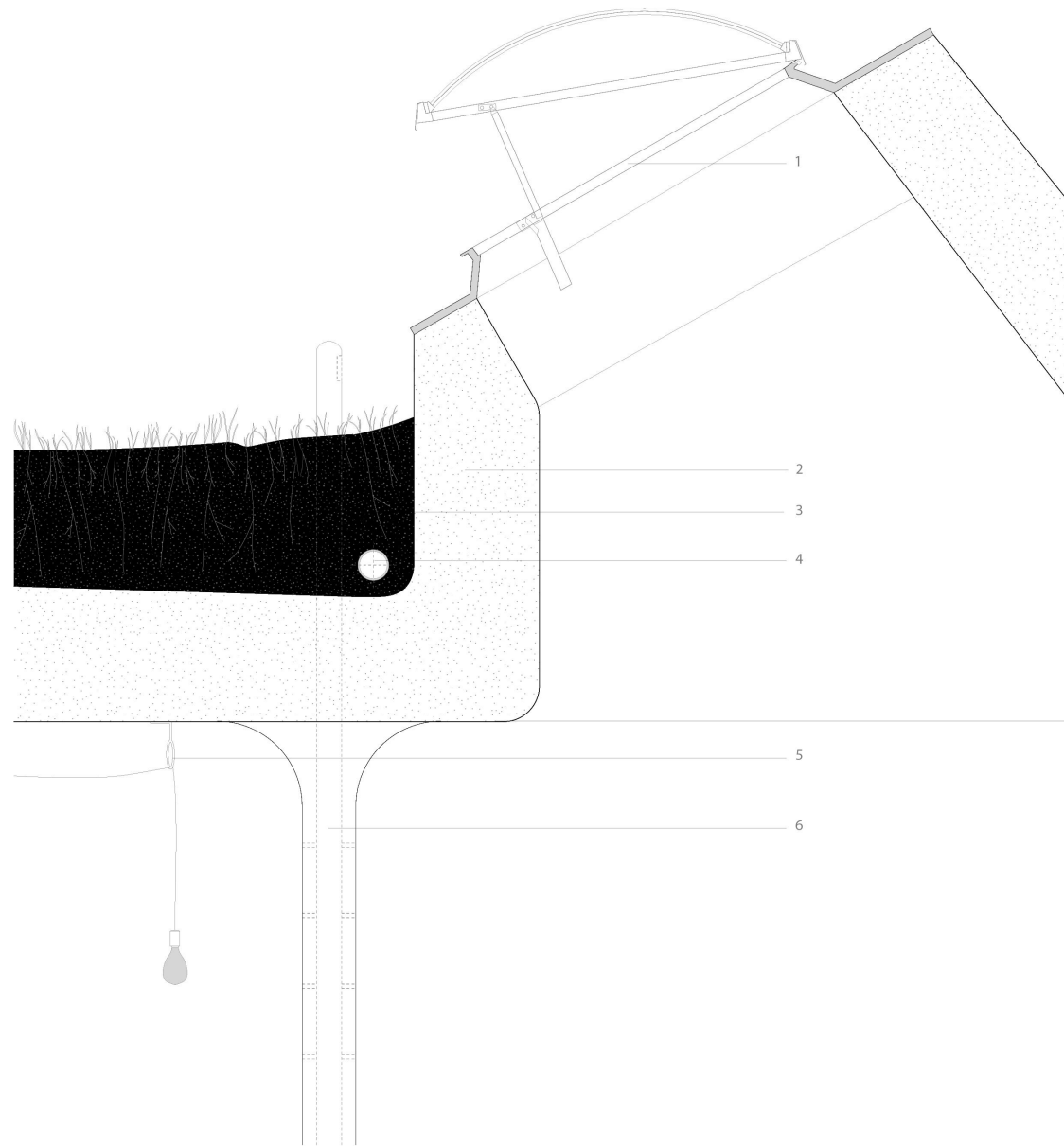


Monolithic wall



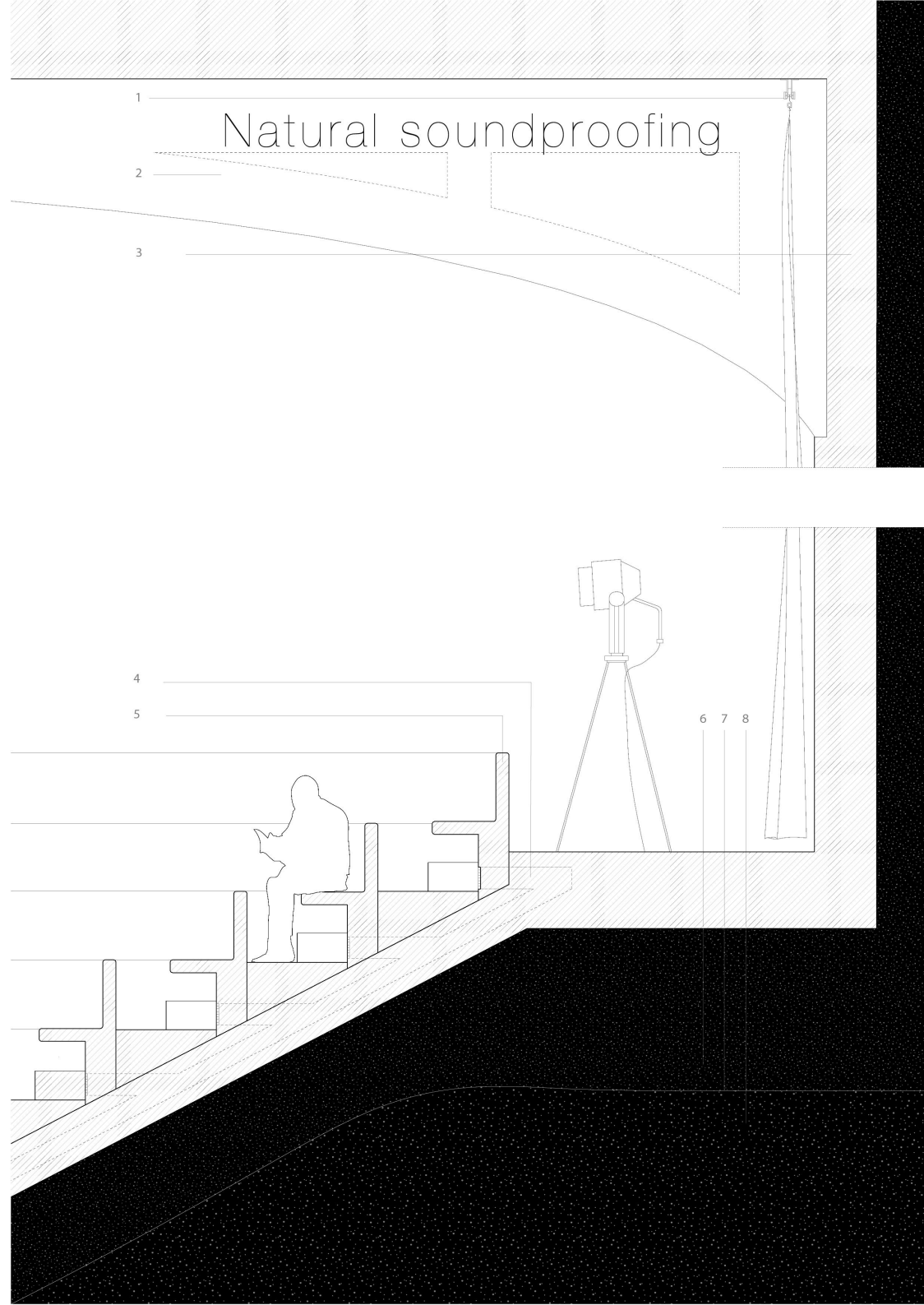
1. Marram grass stabilising the sand
2. 700mm ultra light insulation concrete
3. steel frame doors with double glazing
4. wooden structure for living
5. cast on site concrete stairs
6. foam glass aggregate and geotextile membrane

Observing the sky



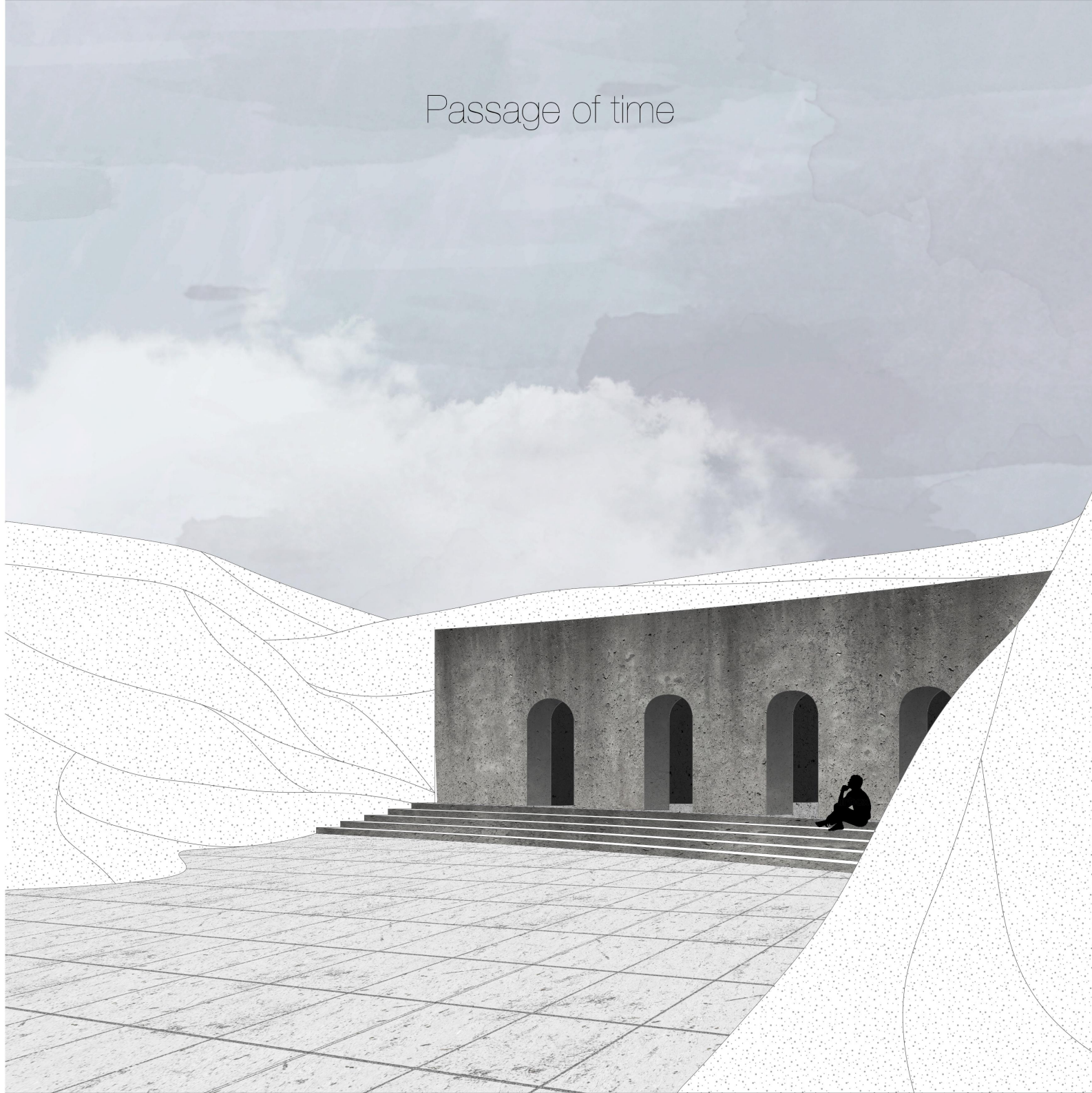
1. glass skylight window
2. 700 mm insulating ultra light concrete wall
3. exhaust for the used air
4. rainwater pipe
5. eyelid profile for lighting cords
6. ventilation integrated in the column

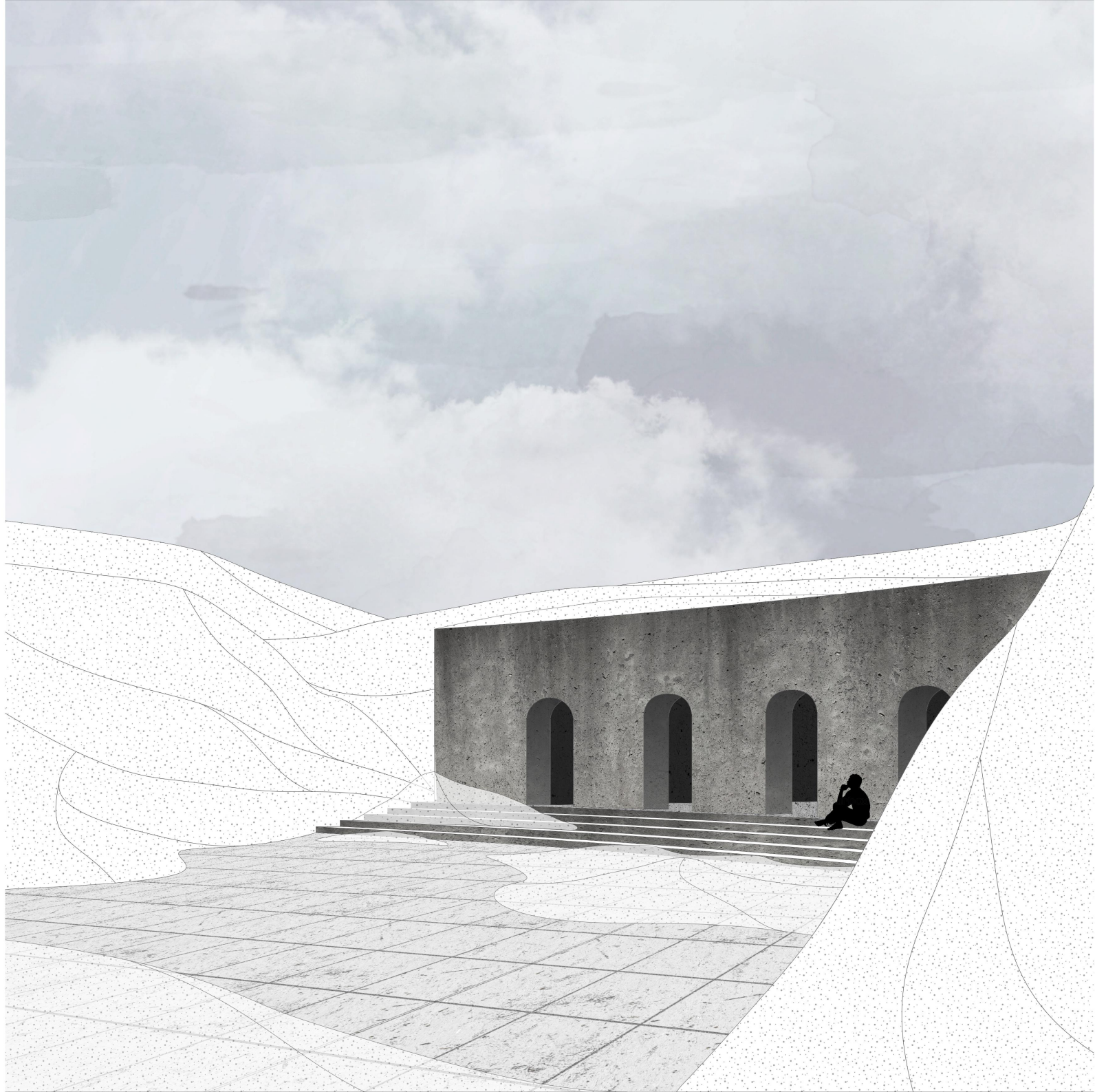
Natural soundproofing

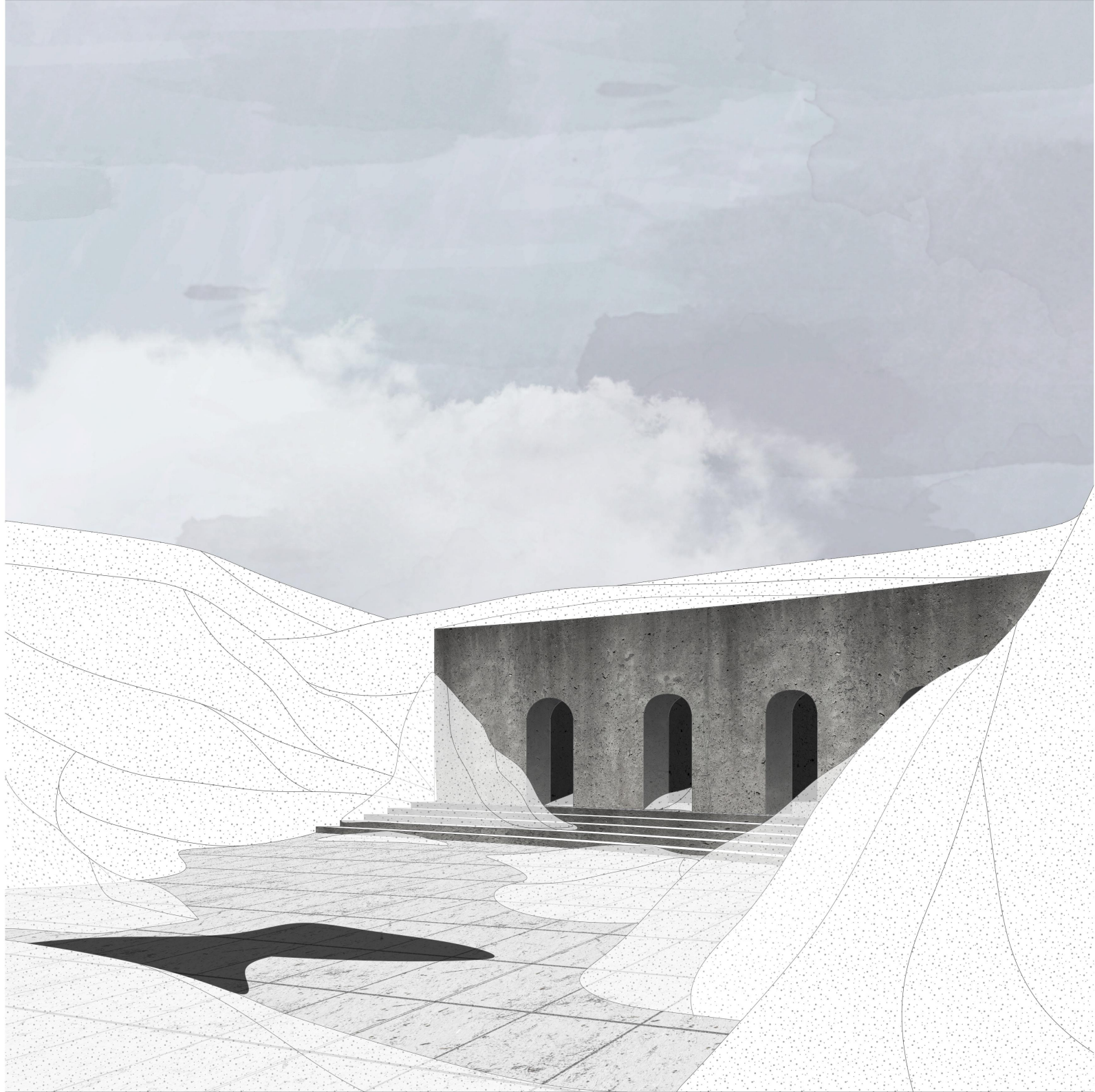


1. steel rail for the curtain
2. 200mm cast in situ reinforced concrete arch
3. 700mm ultra light insulation concrete
4. ventilation pipes
5. cast on site concrete seats
6. foam glass aggregate
7. geotextile membrane

Passage of time













Echoing the history

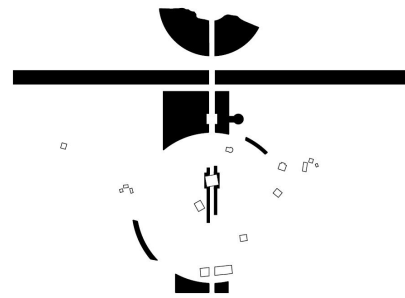


Getting covered by the sand



Falling apart





Thank you