TERRESTRIAL DIPLOMACY
P5 Presentation

Borders & Territories
TU Delft

Caleb Mehari
07.11.2024

And Elohim Created Adam, William Blake, 1794

Hebrew ‘אָדָם’ [adam] for “human”
Hebrew ‘אֲדָמָה’ [adamah] for “ground”

HUMAN

A member of the primate genus Homo, especially a member of the species Homo sapiens.

HUMUS

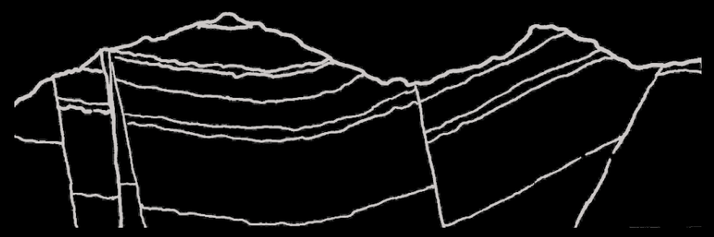
dark, organic material that forms in soil when plant and animal matter decays.

GROUND

The surface of the earth.

GROUND

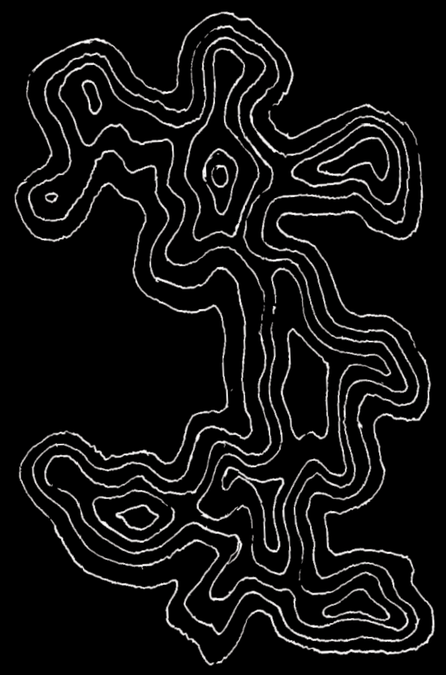
SOIL



GROUND

SOIL

TERRAIN

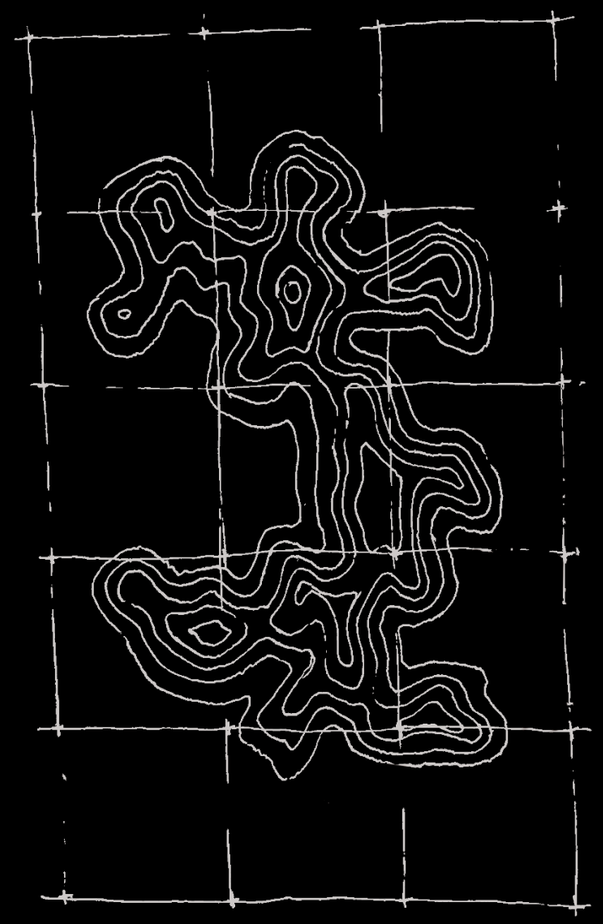


GROUND

SOIL

TERRAIN

TERRITORY



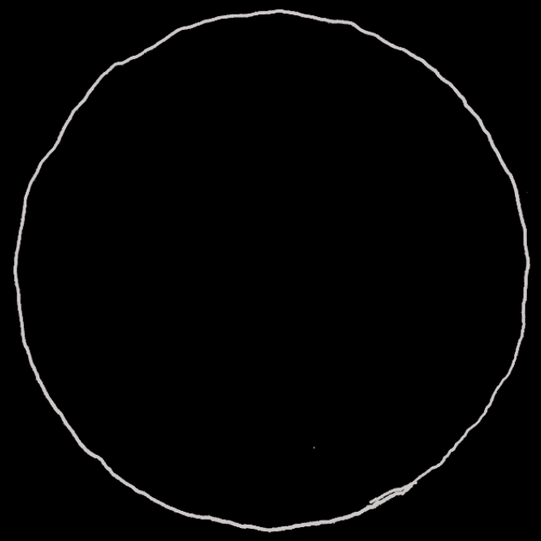
GROUND

SOIL

TERRAIN

TERRITORY

EARTH

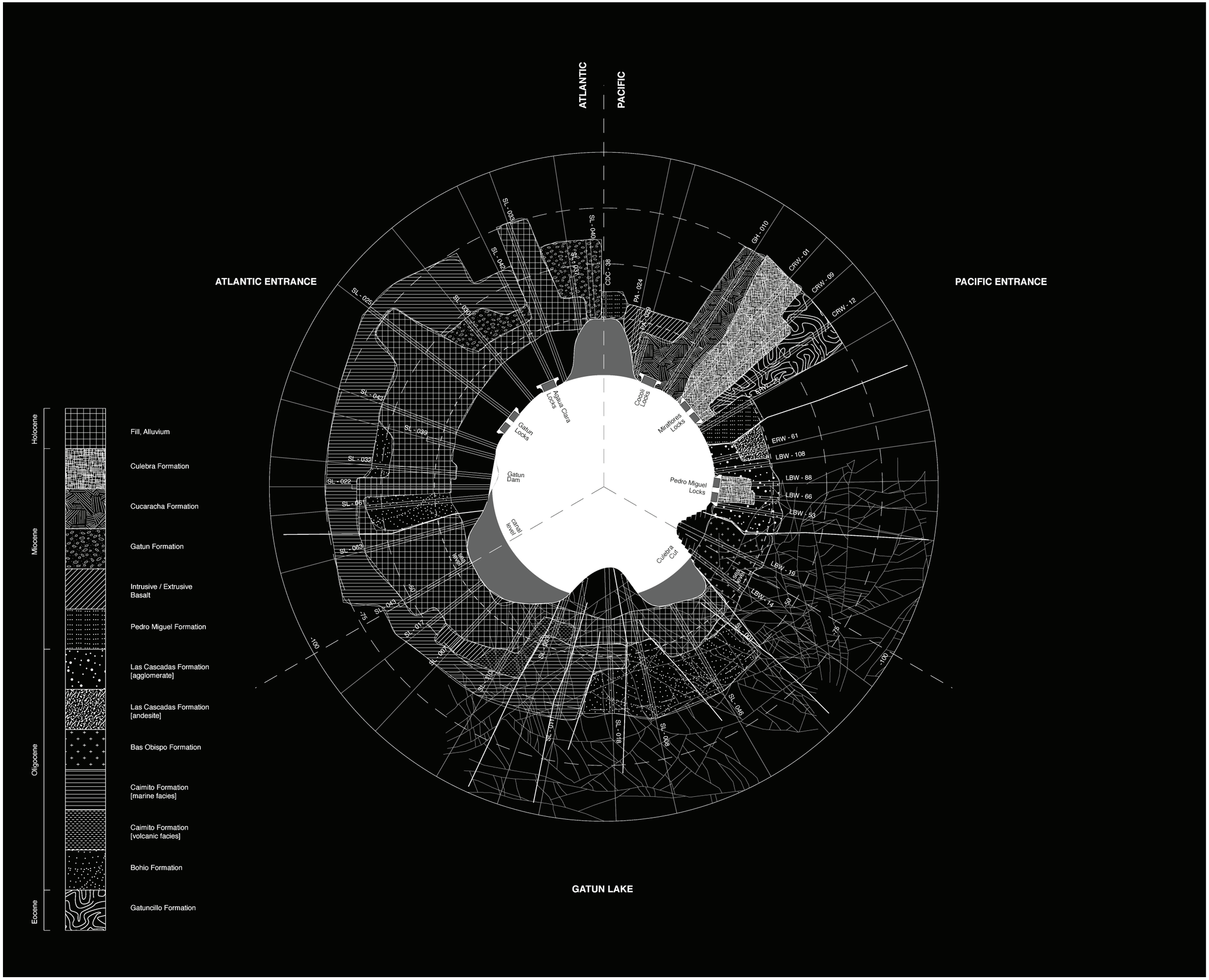


THE TERRESTRIAL

THE TERRESTRIAL

The expression ‘I belong to a territory’ has changed in meaning: It now denotes the entity that has possession of the owner.

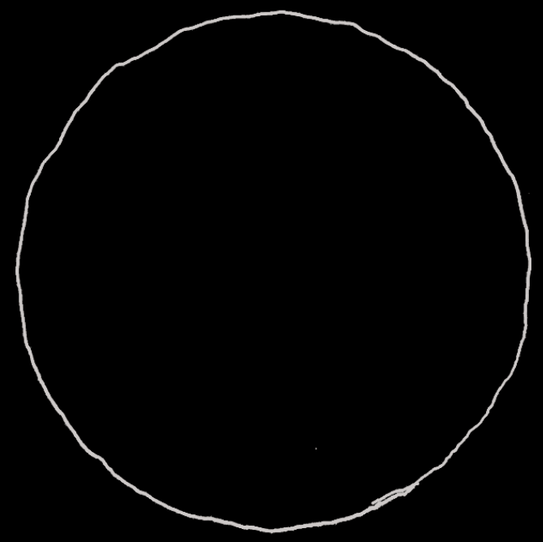
_Bruno Latour, Das Terrestrische Manifest


ATLANTIC
PACIFIC
ATLANTIC ENTRANCE
PACIFIC ENTRANCE
GATUN LAKE
Gatun Locks
Agua Clara Locks
Gatun Dam
canal level
Cocoli Locks
Miraflores Locks
Pedro Miguel Locks
Culebra Cut
SL - 025
SL - 030
SL - 040
SL - 042
SL - 043
SL - 039
SL - 032
SL - 022
SL - 061
SL - 063
SL - 017
SL - 001
SL - 018
SL - 006
SL - 046
CDC - 38
PA - 024
PA - 029
GH - 010
CRW - 01
CRW - 09
CRW - 12
ERW - 61
LBW - 108
LBW - 88
LBW - 66
LBW - 53
LBW - 19
LBW - 14
-75
-100
Holocene
Miocene
Oligocene
Eocene
Fill, Alluvium
Culebra Formation
Cucaracha Formation
Gatun Formation
Intrusive / Extrusive Basalt
Pedro Miguel Formation
Las Cascadas Formation [agglomerate]
Las Cascadas Formation [andesite]
Bas Obispo Formation
Caimito Formation [marine facies]
Caimito Formation [volcanic facies]
Bohio Formation
Gatuncillo Formation

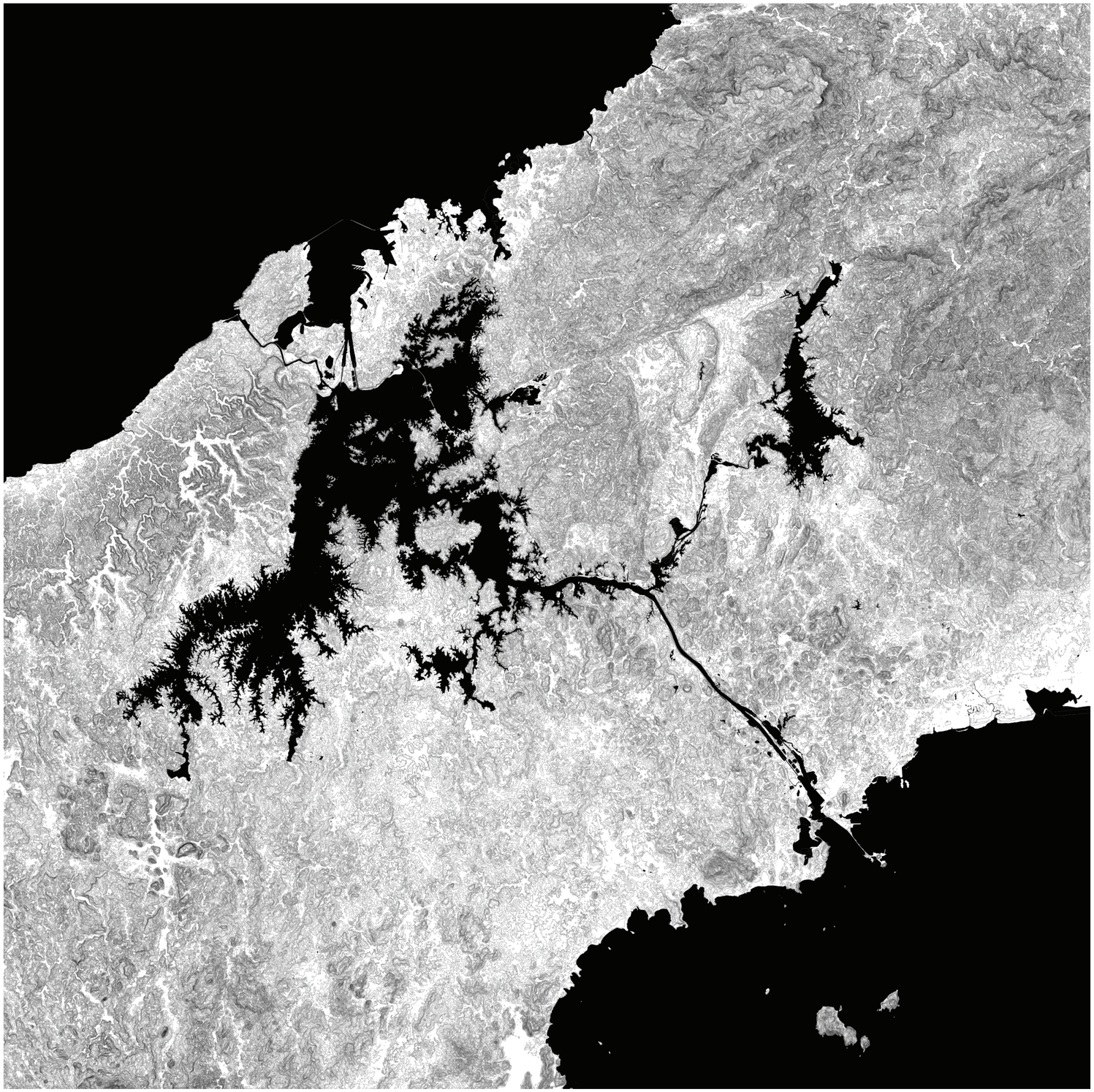
How do we deal with the Ground, knowing it has become a political actor itself?

How do we position ourselves as a human species?

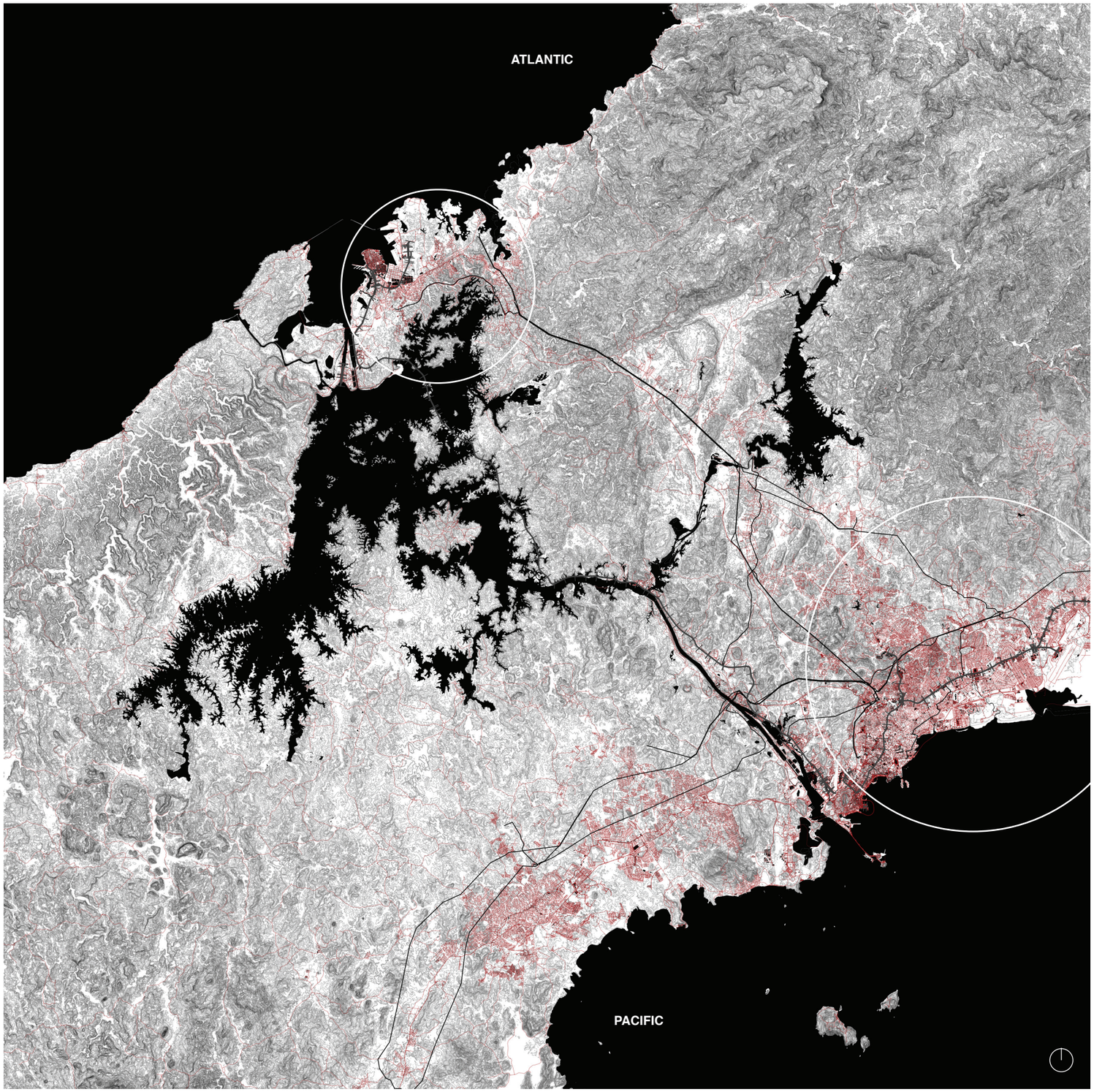
Are there way of communicating?



TERRESTRIAL DIPLOMACY [?]

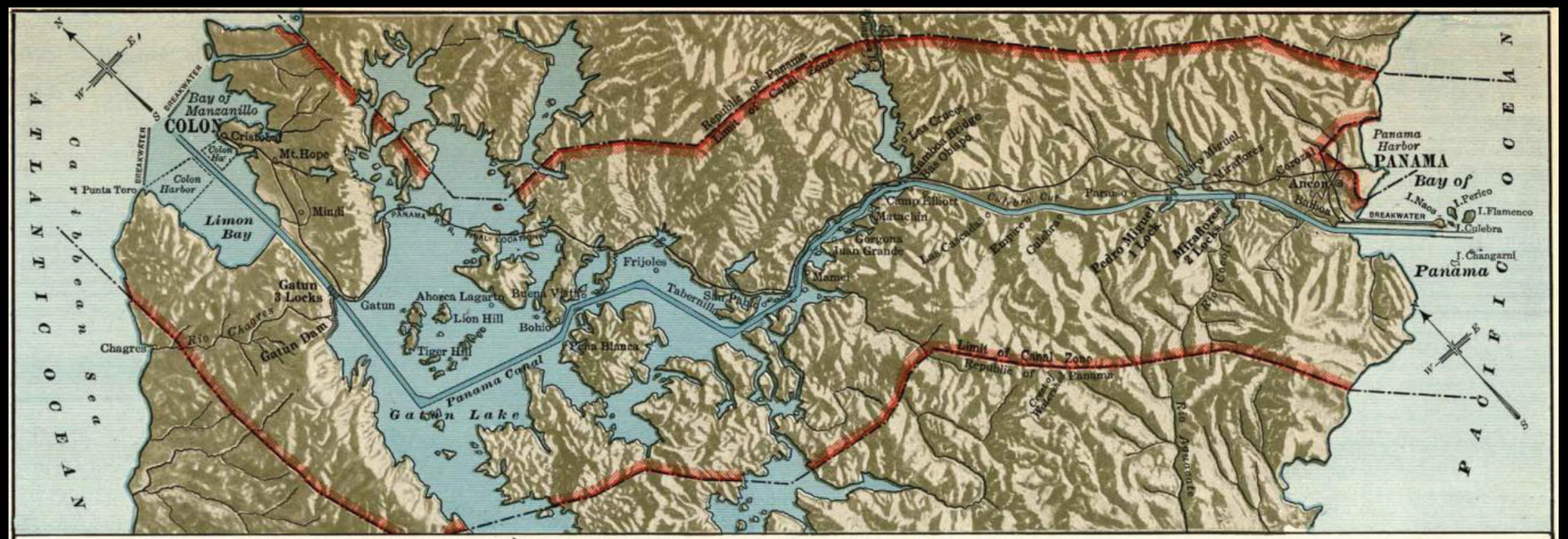


Ground of Interest

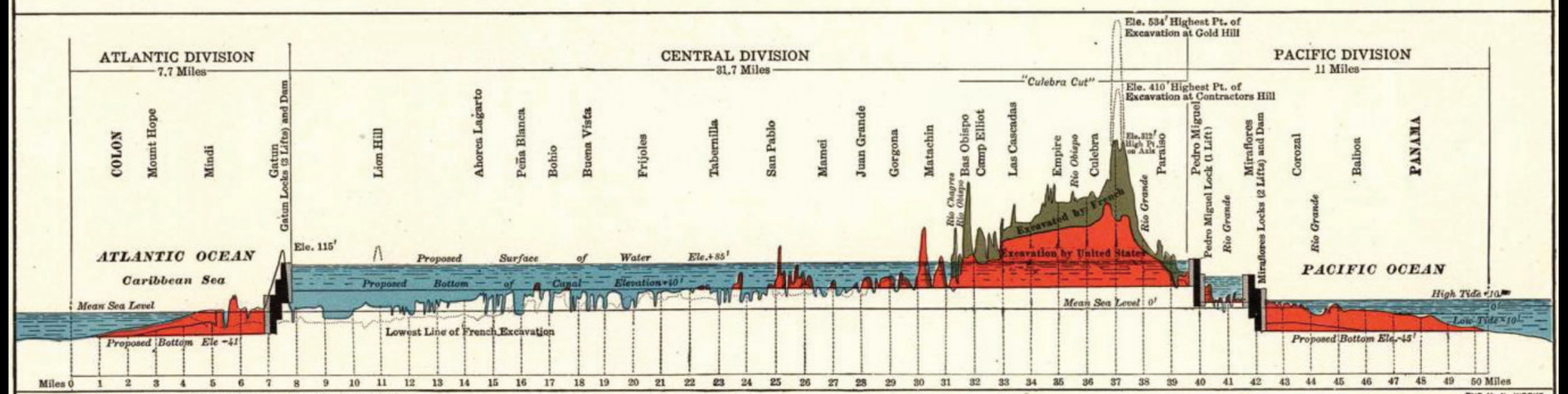


0 10km 20km

Ground of Interest

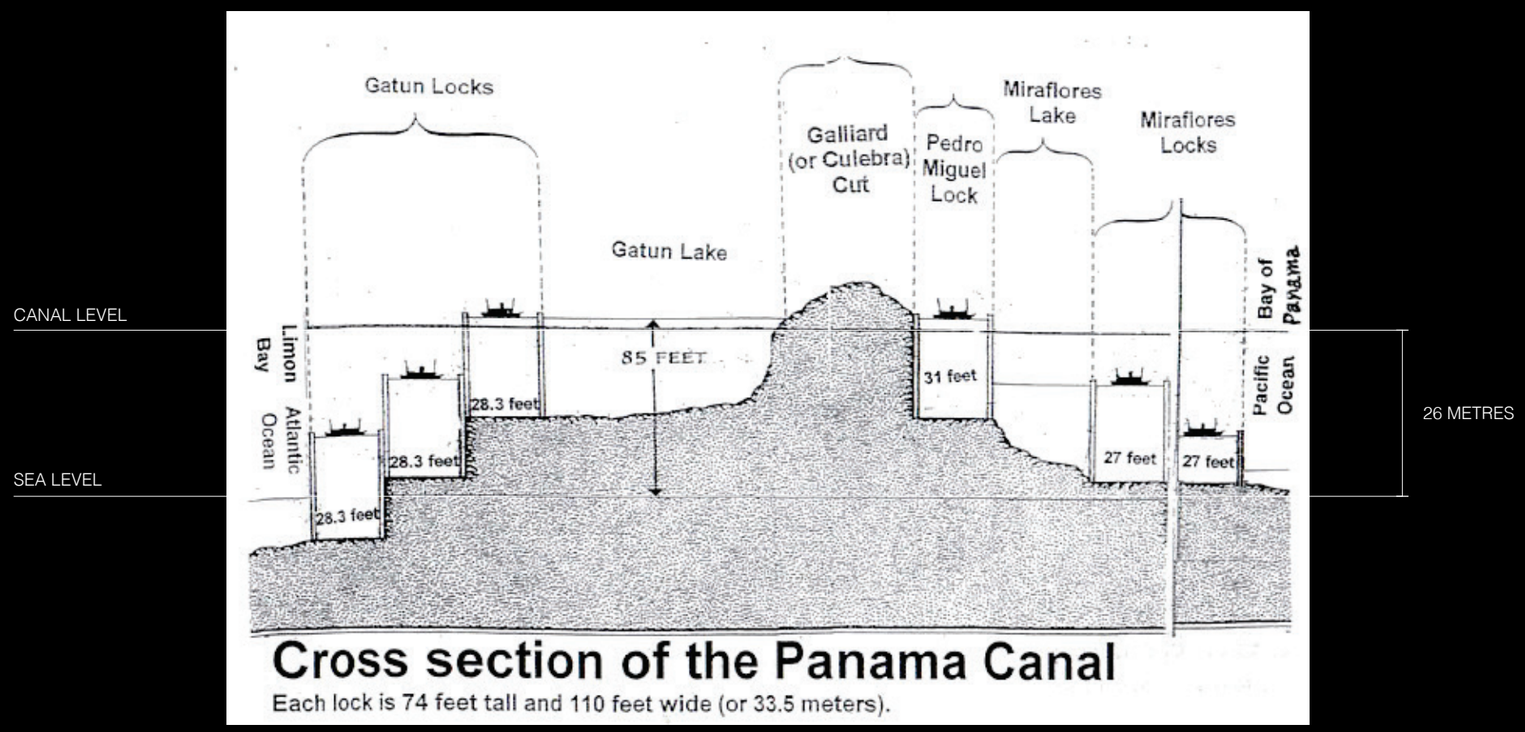


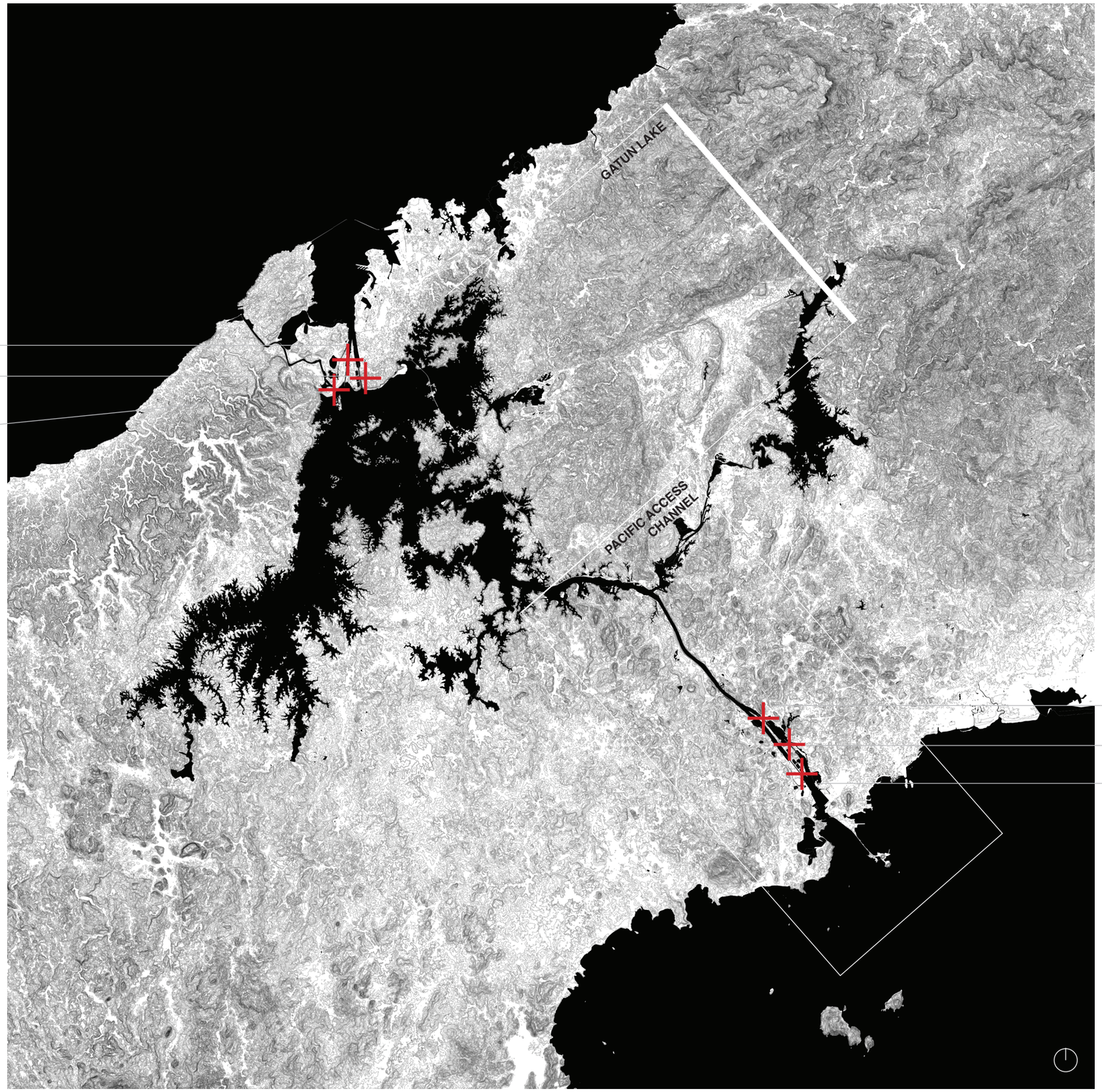
MAP OF THE PANAMA CANAL ZONE



PROFILE OF PANAMA CANAL

_CANAL EXCAVATIONS

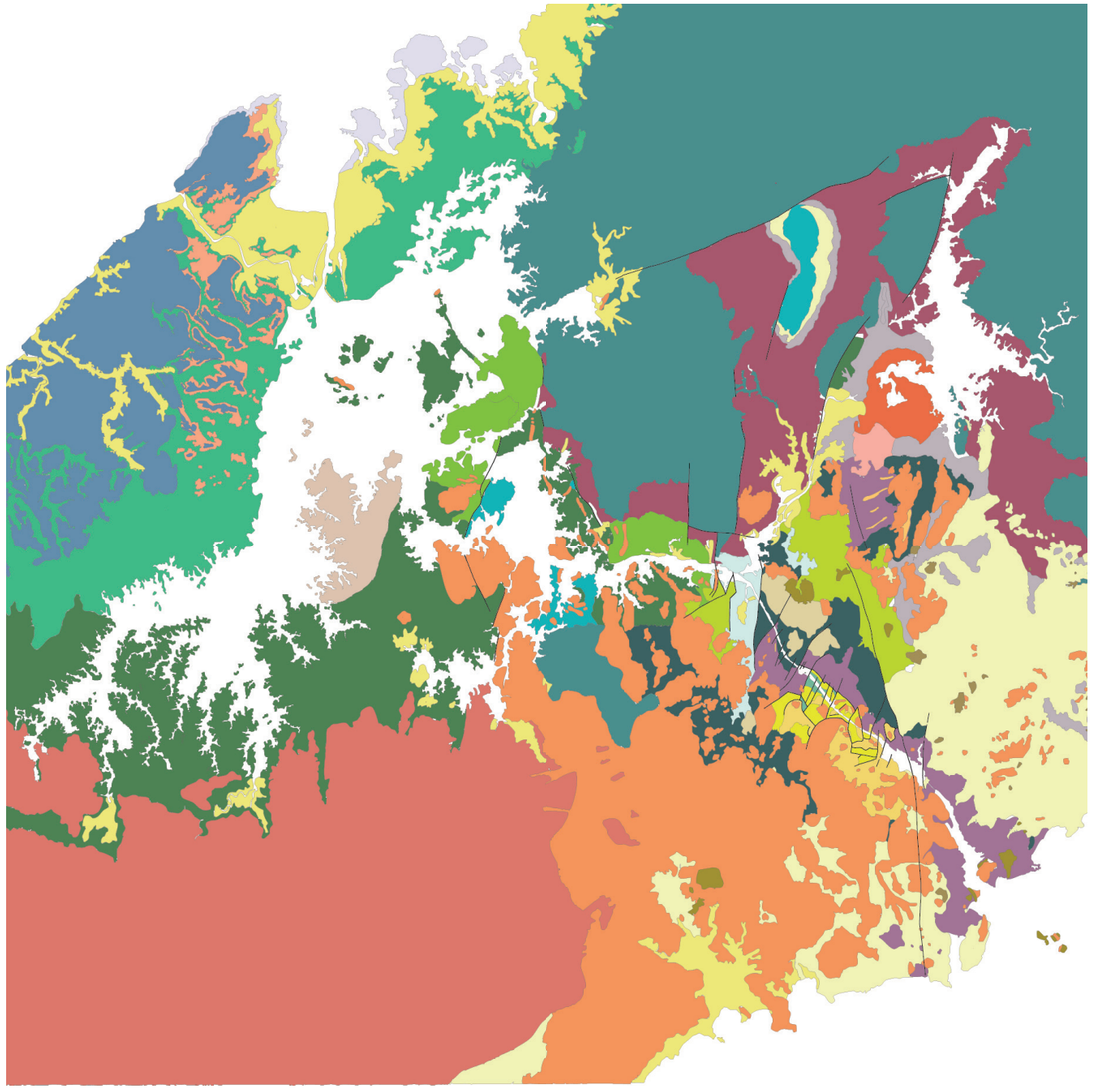

Gatun Locks
Gatun Lake
Galliard (or Culebra) Cut
Pedro Miguel Lock
Miraflores Lake
Miraflores Locks
Limon Bay
Atlantic Ocean
Pacific Ocean
Bay of Panama
85 FEET
28.3 feet
28.3 feet
28.3 feet
31 feet
27 feet
27 feet
CANAL LEVEL
SEA LEVEL
26 METRES
Cross section of the Panama Canal
Each lock is 74 feet tall and 110 feet wide (or 33.5 meters).



Canal Anatomy

1 MA [MEGA ANNUM] = 1 000 000 YEARS

HOLOCENE CORAL REEFS
HOLOCENE SEDIMENTS, ALLUVIUM OR FILL
FINE GRAINED SANDSTONE
BENTONIC CLAY SHALE, CARBONACEOUS CLAY SHALE
VOLCANIC ROCKS
INTRUSIVE DACITE AND DACITE PORPHYRY
ANDESITE
INTRUSIVE AND EXTRUSIVE BASALT
INTRUSIVE AND EXTRUSIVE ANDESITE
CORALIFEROUS LIMESTONE
TUFFACEOUS SANDSTONE, CALCAREOUS SANDSTONE AND LIMESTONE
CALCAREOUS SANDSTONE
LIMESTONE
SANDSTONE, SILTSTONE, TUFF AND CONGLOMERATE
CALCAREOUS SANDSTONE AND LIMESTONE
CALCAREOUS SILTSTONE, SANDSTONE, TUFF AND LIMESTONE
FINE TO COURSE GRAINED AGGLOMERATE
AGGLOMERATE AND SOFT TUFF
AGGLOMERATE AND HARD TUFF
VOLCANIC FACIES, AGGLOMERATE AND TUFFACEOUS GRAYWACKE
FOSSILIFEROUS CALCAREOUS SANDSTONE AND LIMESTONE
FORAMINIFERAL LIMESTONE AND CALCAREOUS SILTSTONE
MARINE FACIES, CALCAREOUS SANDSTONE
BASALTIC SANDSTONE
TUFFACEOUS SANDSTONE, TUFFACEOUS SILTSTONE, TUFF
MARINE FACIES, ALGAL LIMESTONE, SANDSTONE, SILTSTONE
AGGLOMERATE, ANDESITIC TUFF, STREAM DEPOSITED CONGLOMERATE
SILTSTONE, QUARTZ SANDSTONE, ALGAL LIMESTONE
MARINE ROCKS, SANDSTONE, SILTSTONE
BASALTIC AND ANDESITIC LAVAS AND TUFF



HOLOCENE
0.012 - 0 MA AGO

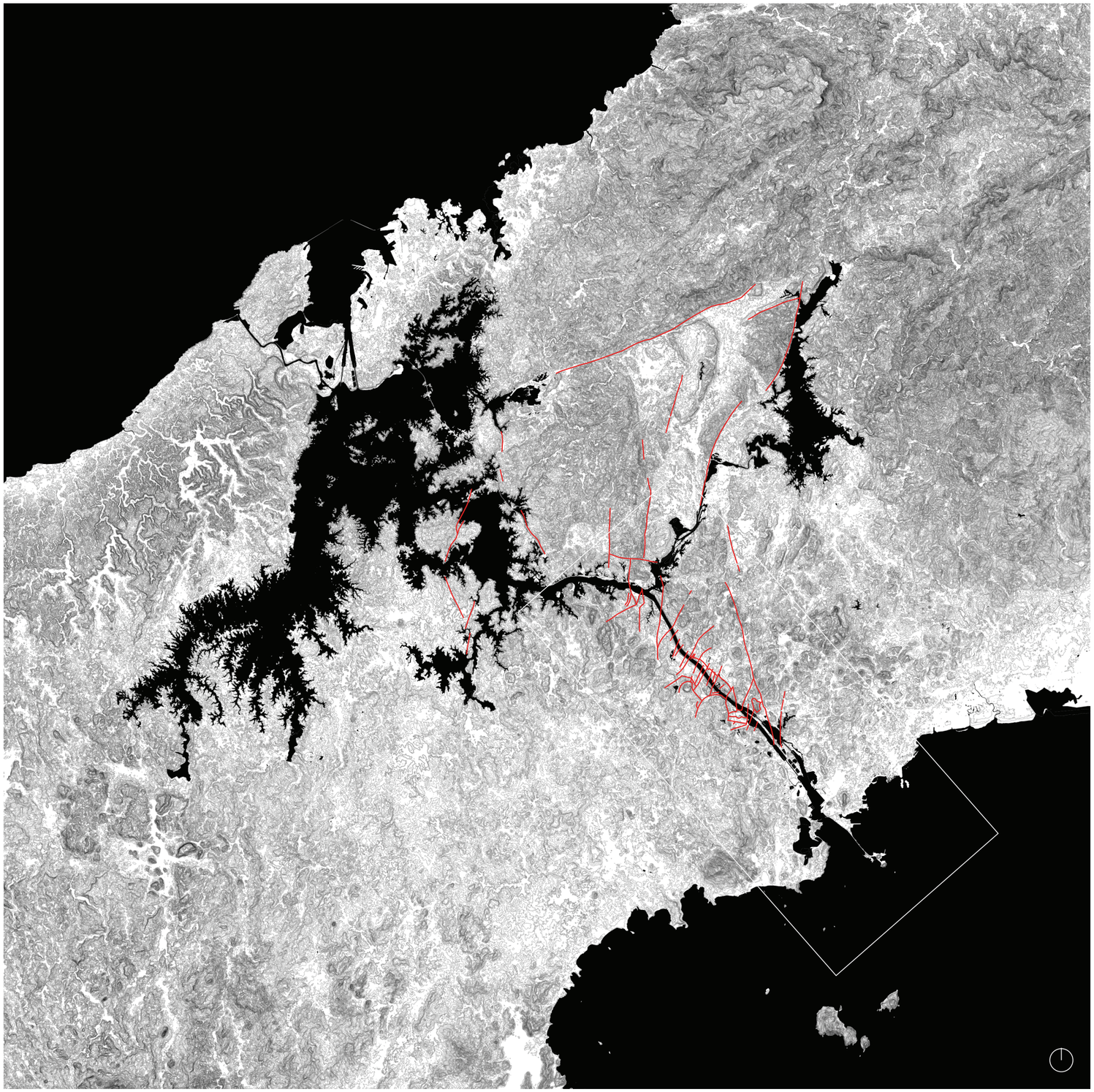
MIOCENE
23.03 - 5.33 MA AGO

OLIGOCENE
23.03 - 5.33 MA AGO

EOCENE
56 - 33.9 MA AGO

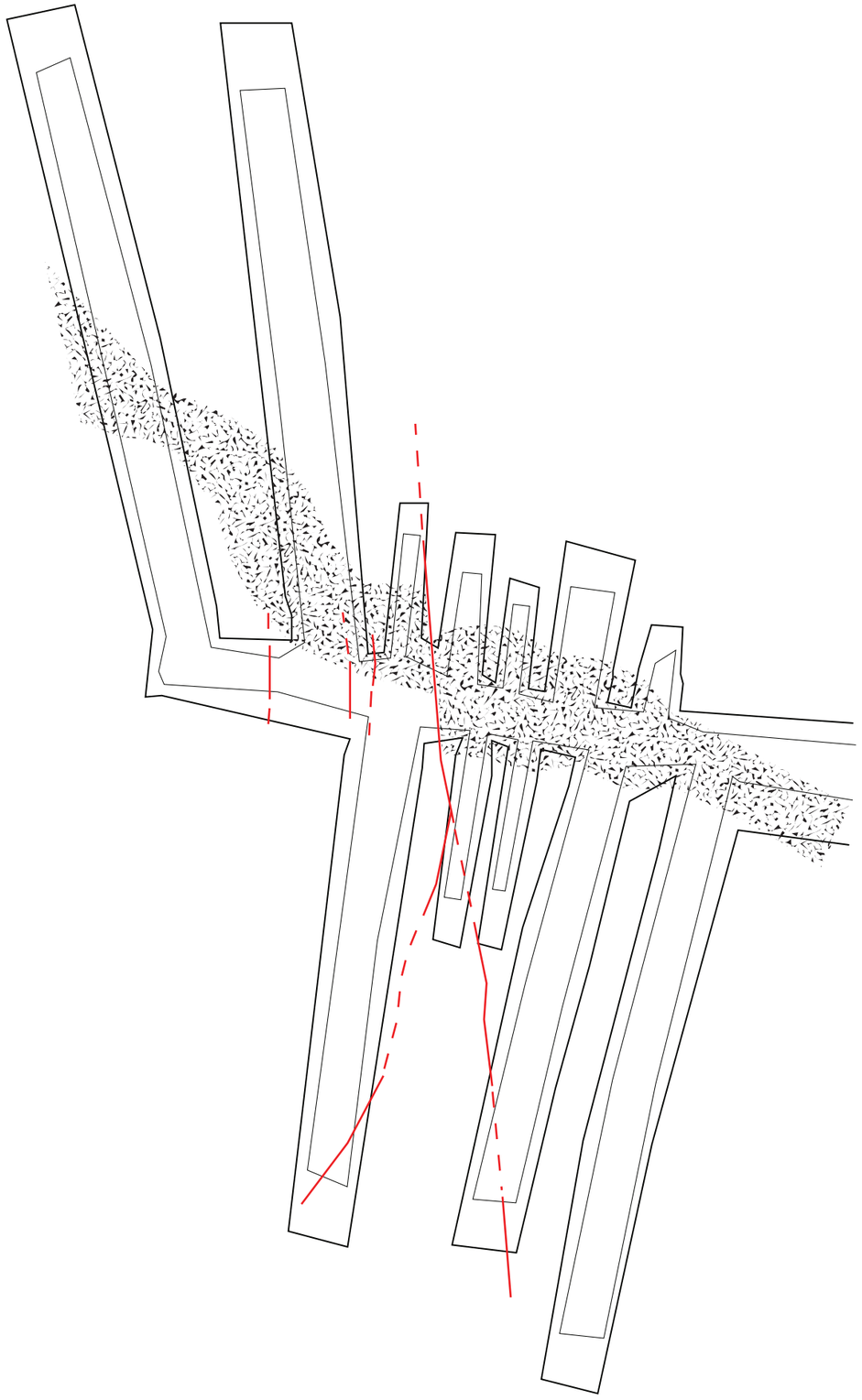
CRETACEOUS
145 - 66 MA AGO

Canal Area Geology



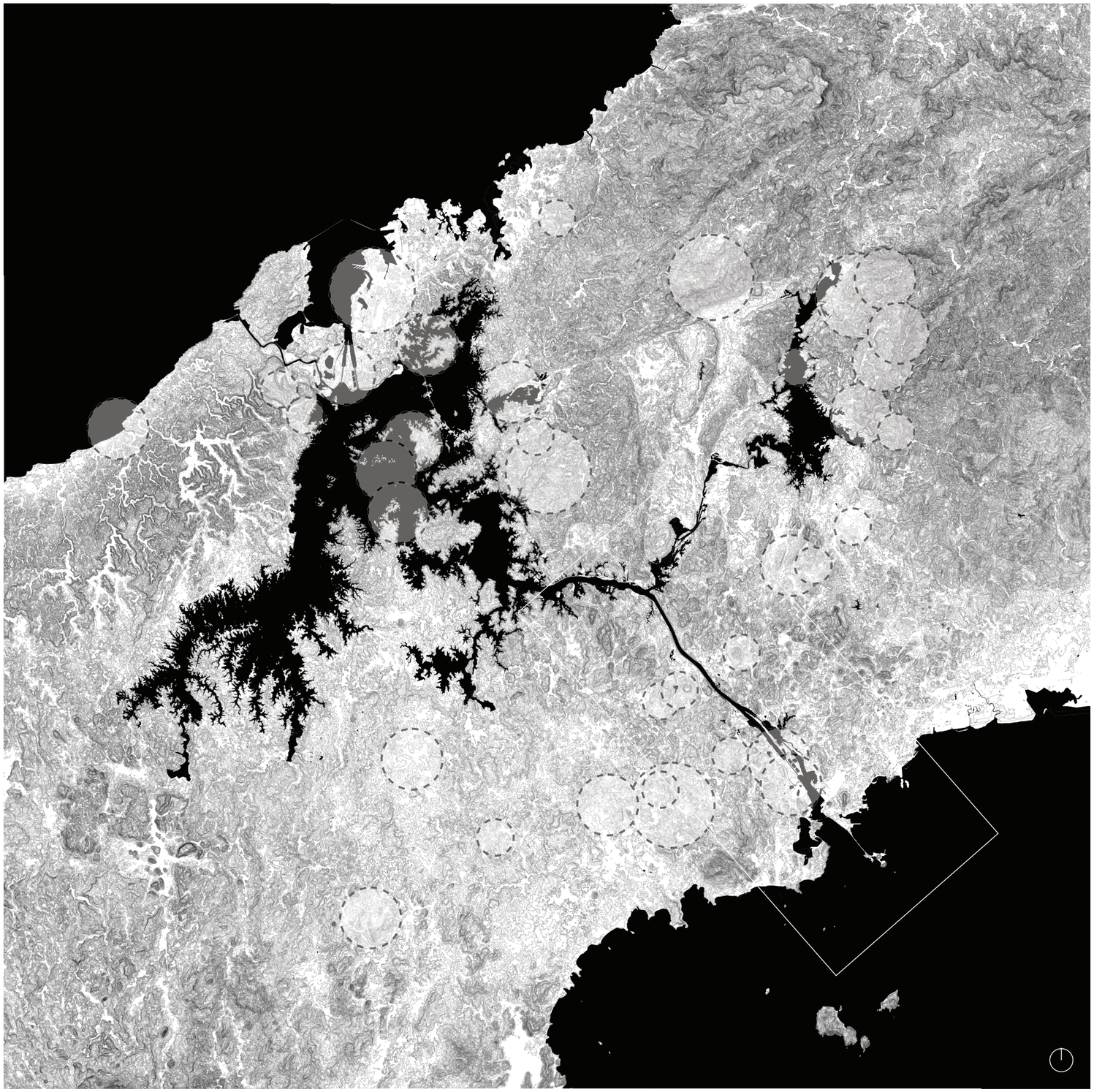
0 10km 20km

Ground Activity [Fault Ruptures]



0 10m

Ground Activity [Fault Excavations]



MAGNITUDE < 2.1

MAGNITUDE 2.1 - 3.0

MAGNITUDE 3.1 - 4.0

0km 10km 20km

Ground Activity [Earthquakes 01.04 - 01.24]

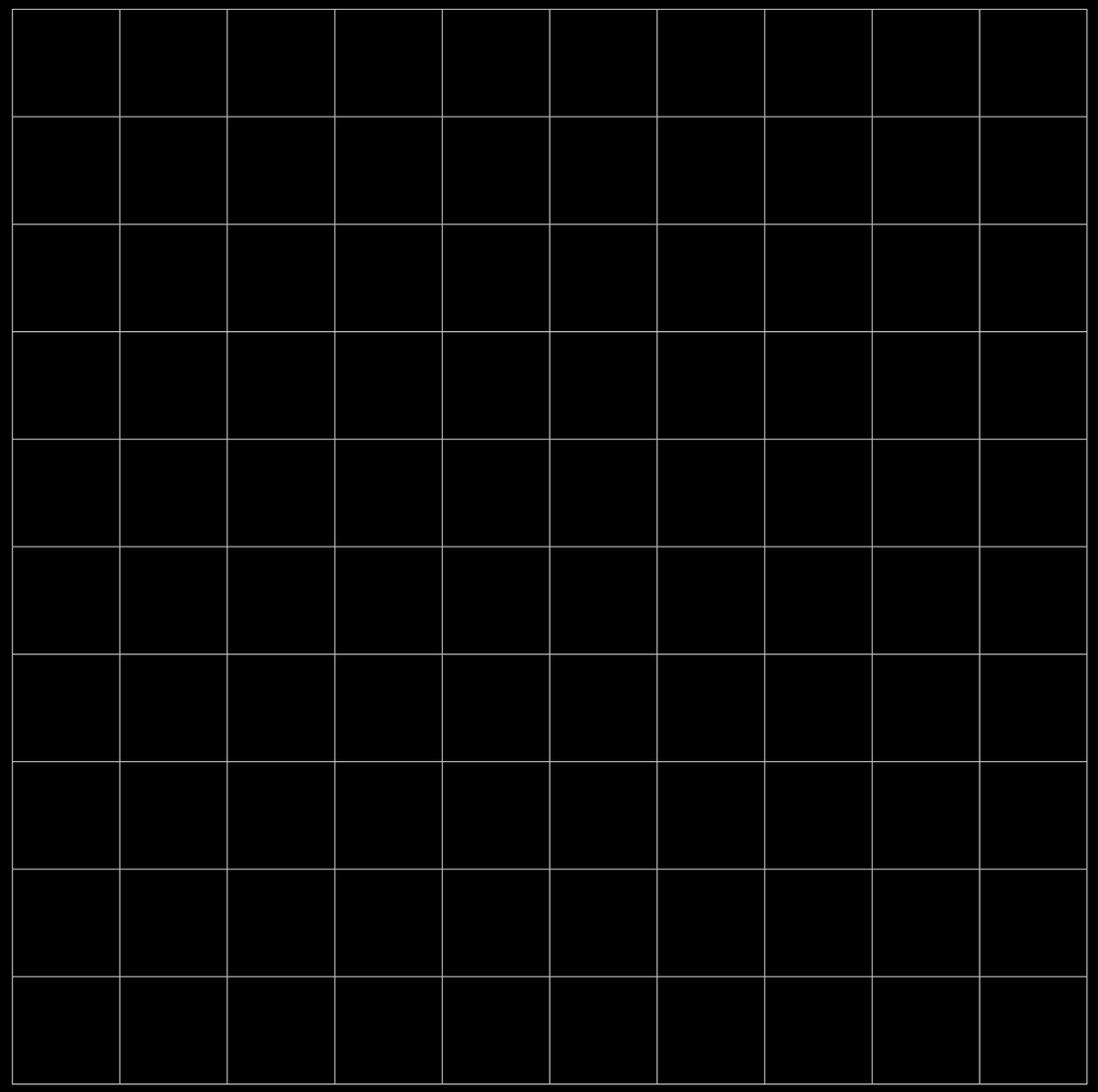
Ground Activity [Land Slides]

Pacific Access Channel

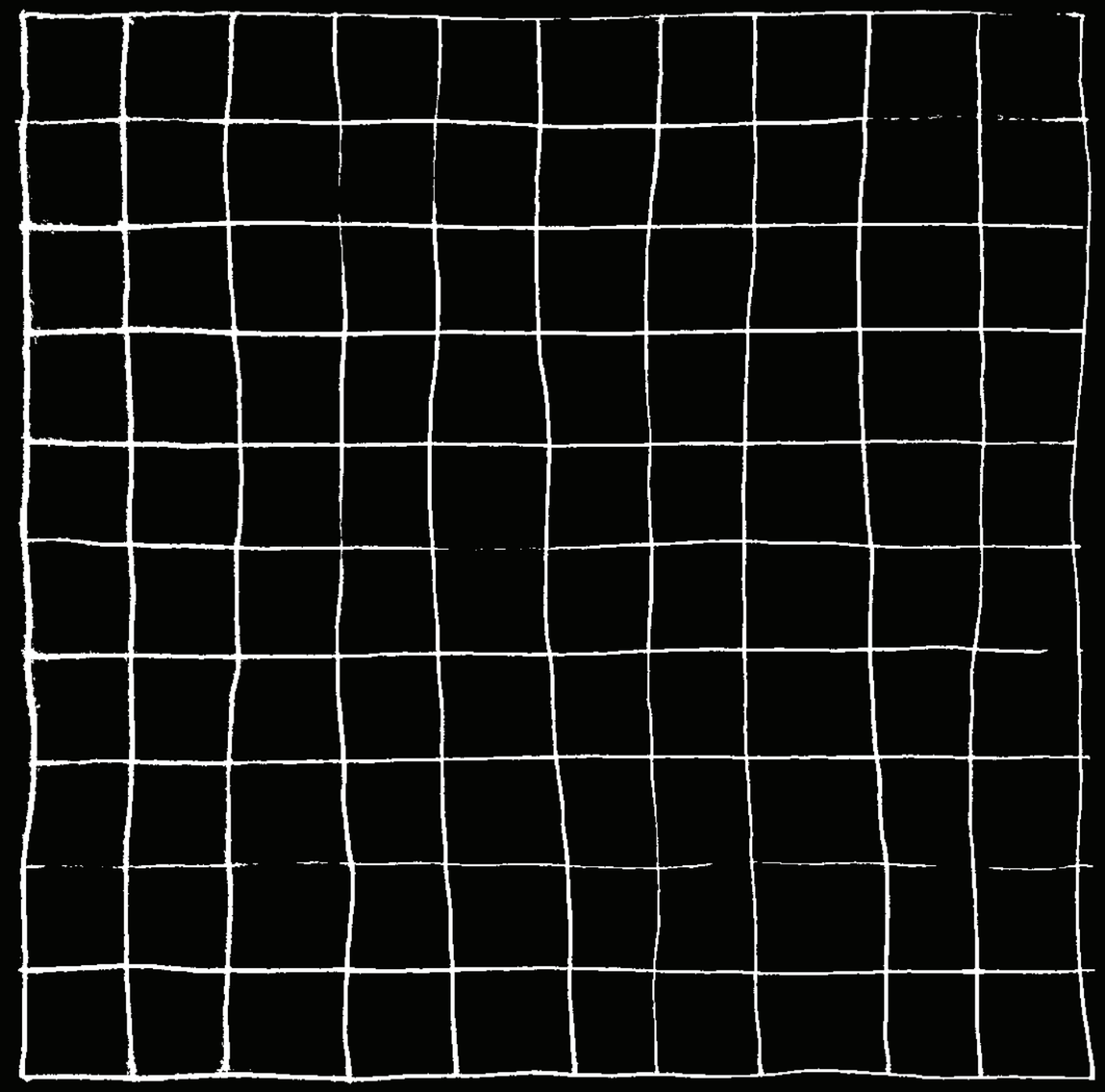
Modi Operandi [Ground]

The Earth is not a fixed and natural décor, but a body being continually formed and transformed by the actions and reactions of all those who, be they living or nonliving, bring life to it. The Earth is a site of construction common to all material elements and living organisms. The Earth is an architecture.

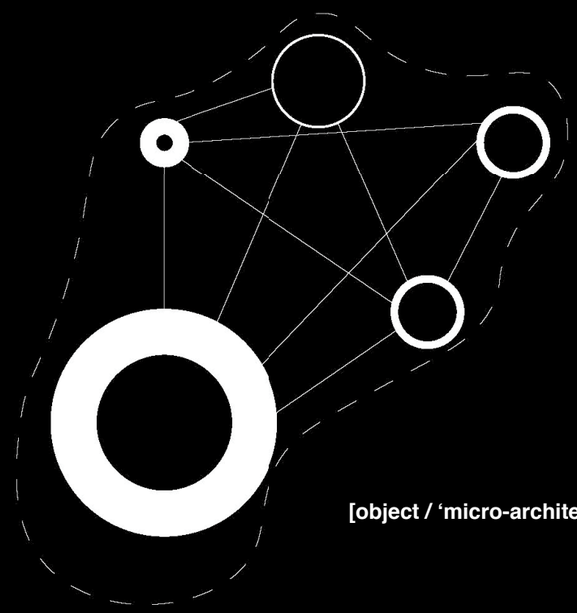
_The Earth is an Architecture



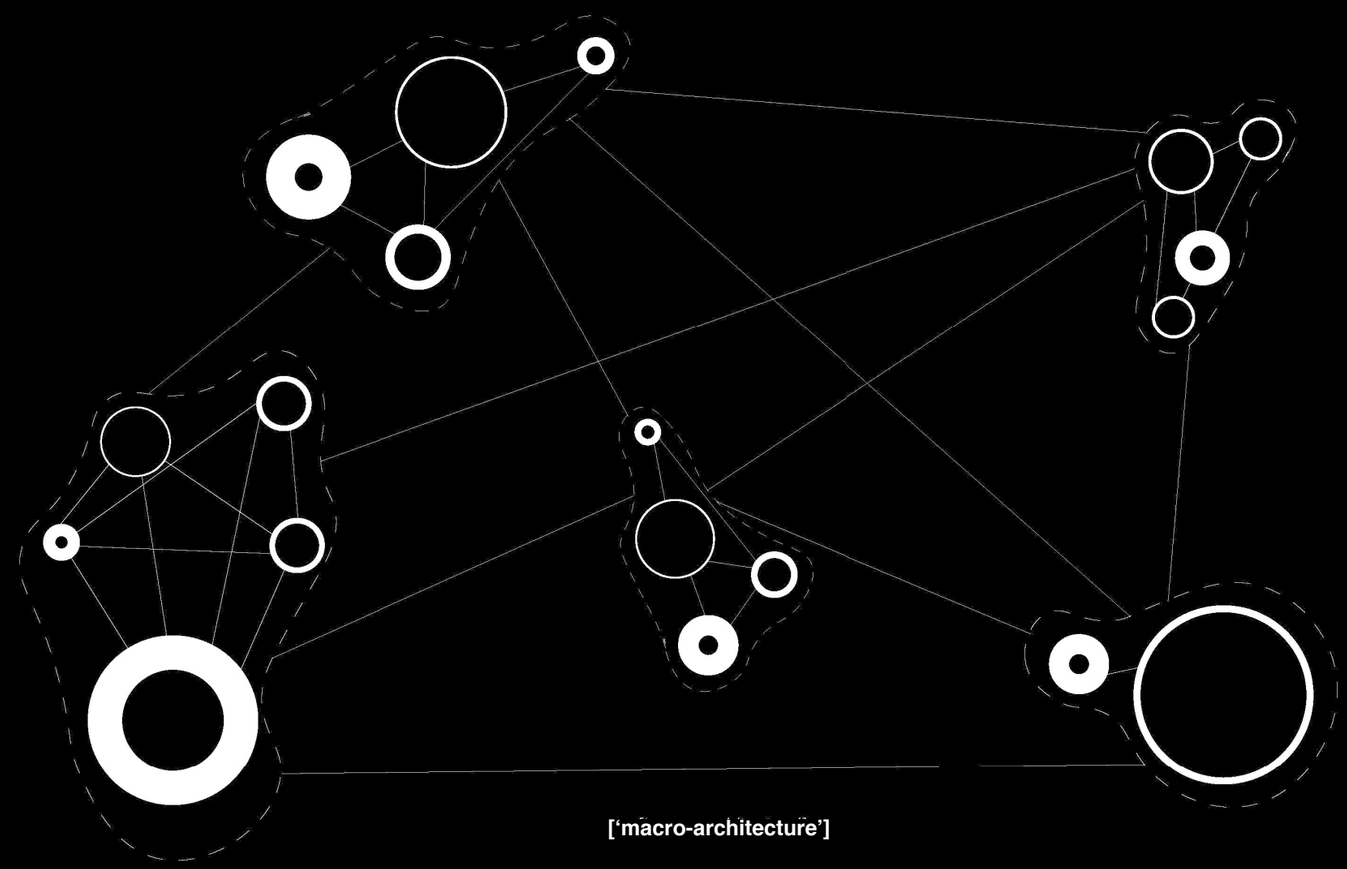
ontologic space



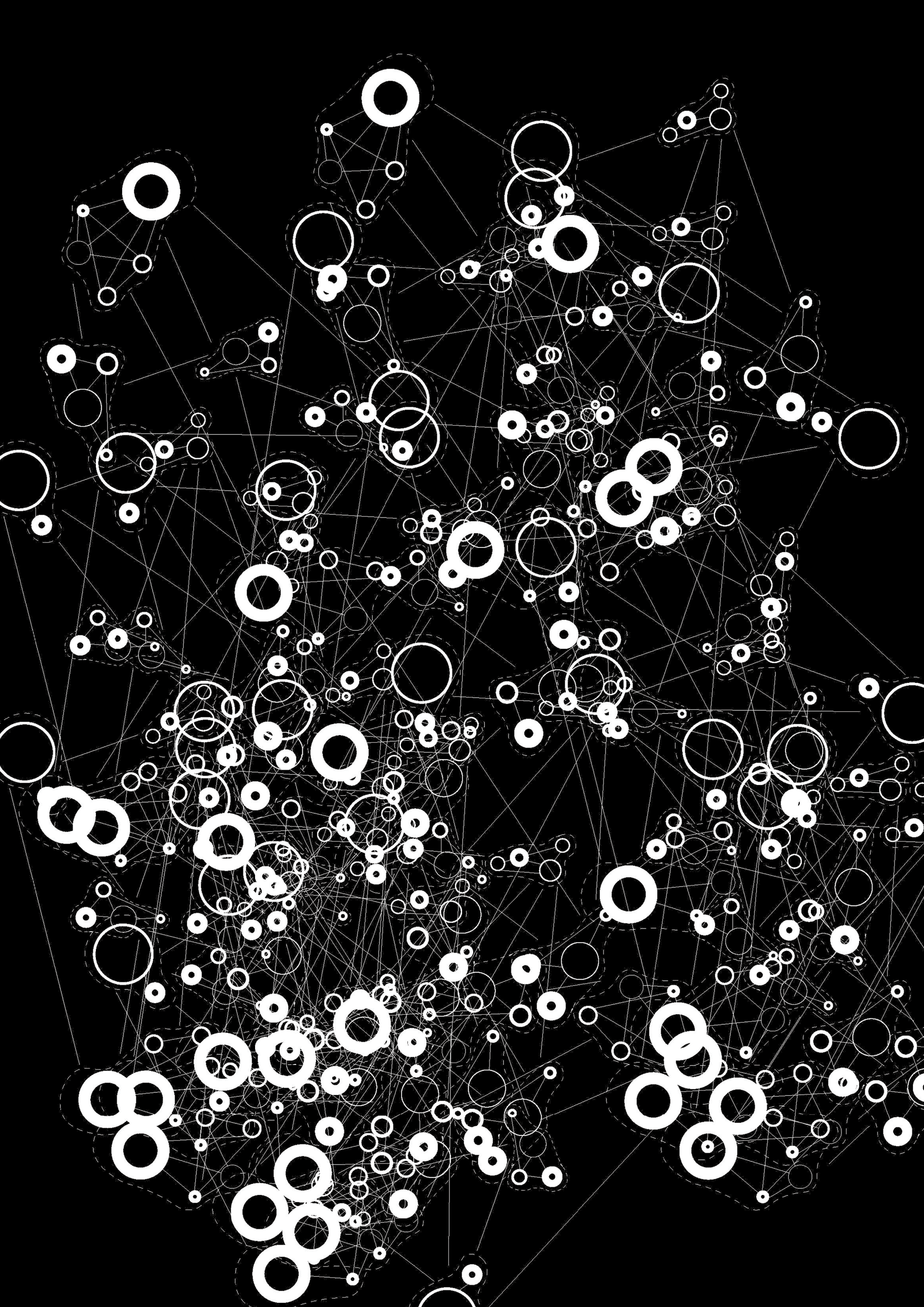
ontogenetic space

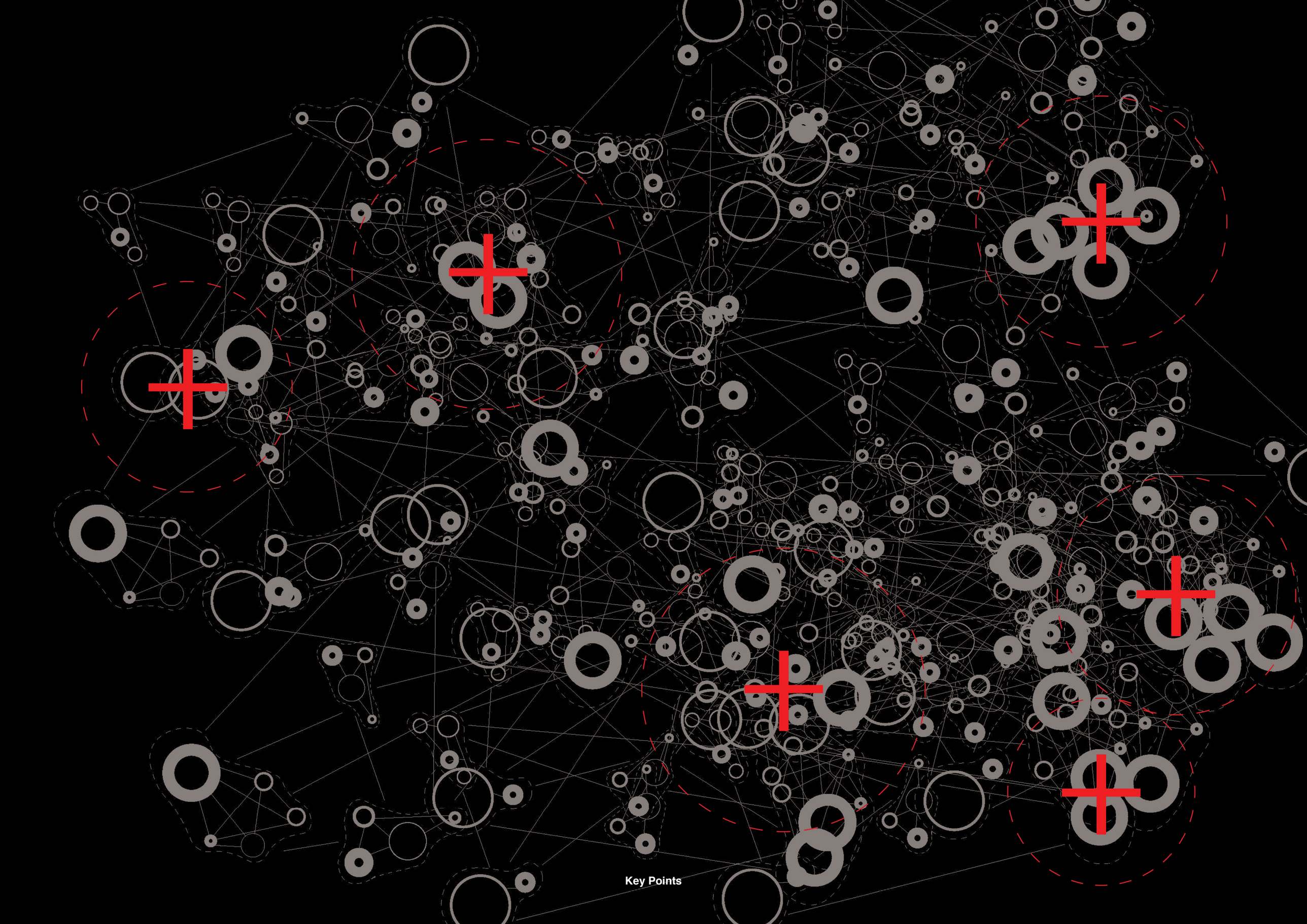


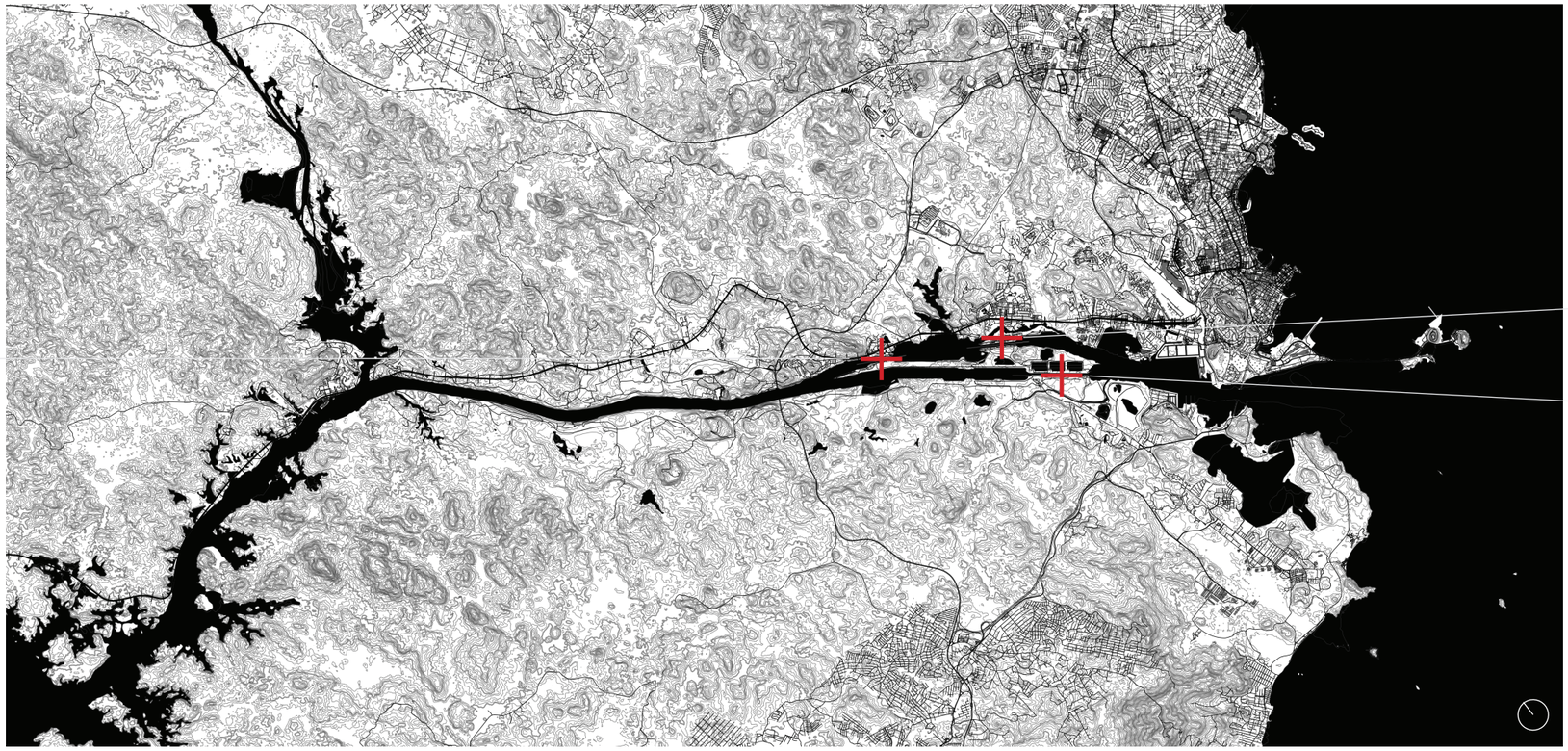
[object / ‘micro-architecture’]



['macro-architecture']

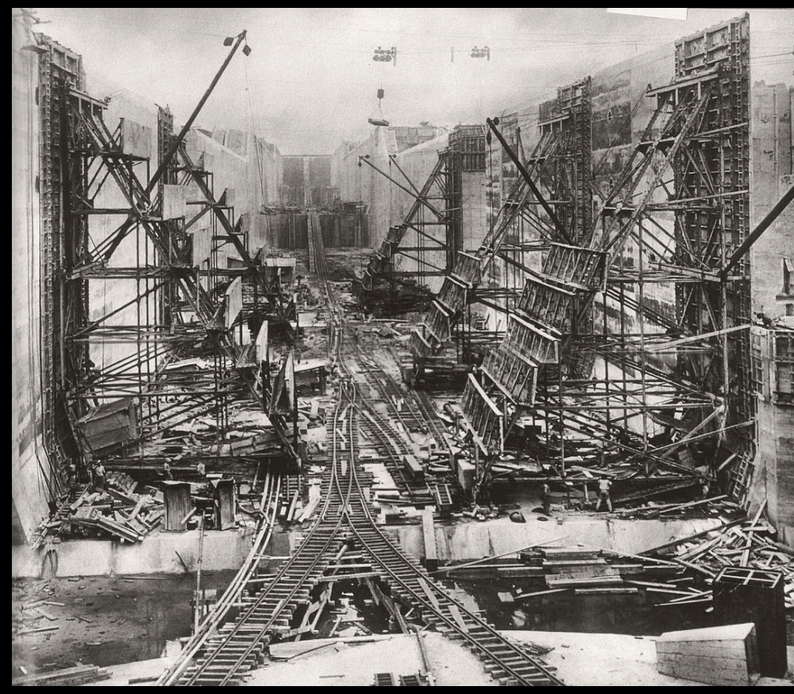



Key Points


PEDRO-MIGUEL LOCKS
[PANAMAX]
MIRAFLORES LOCKS
[PANAMAX]
COCOLI LOCKS
[POST-PANAMAX]

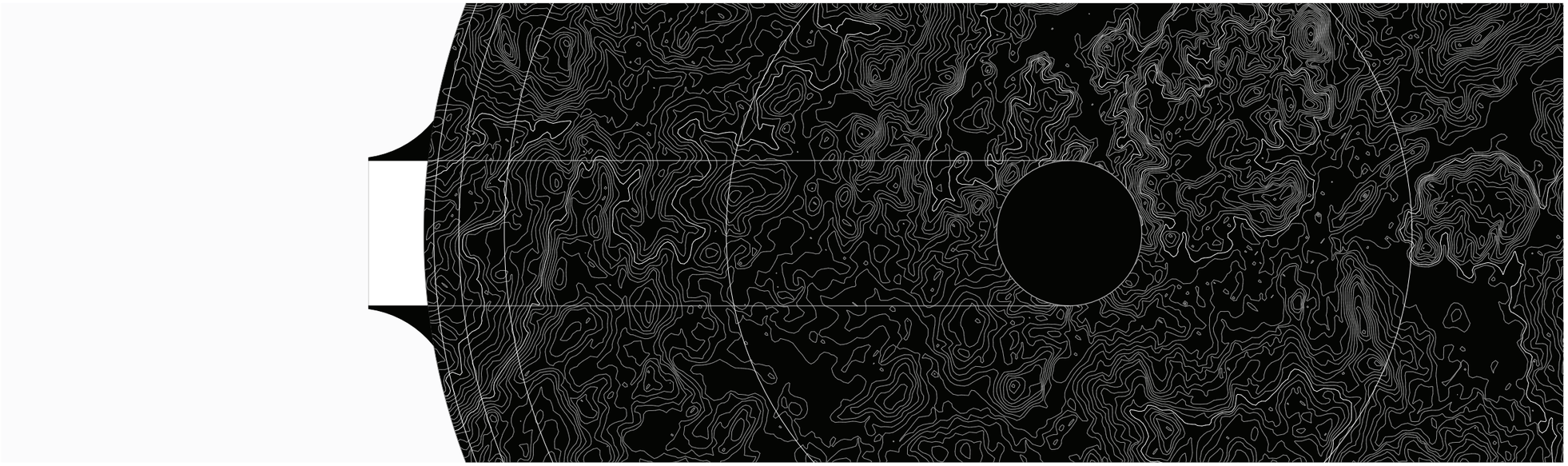
Key Points

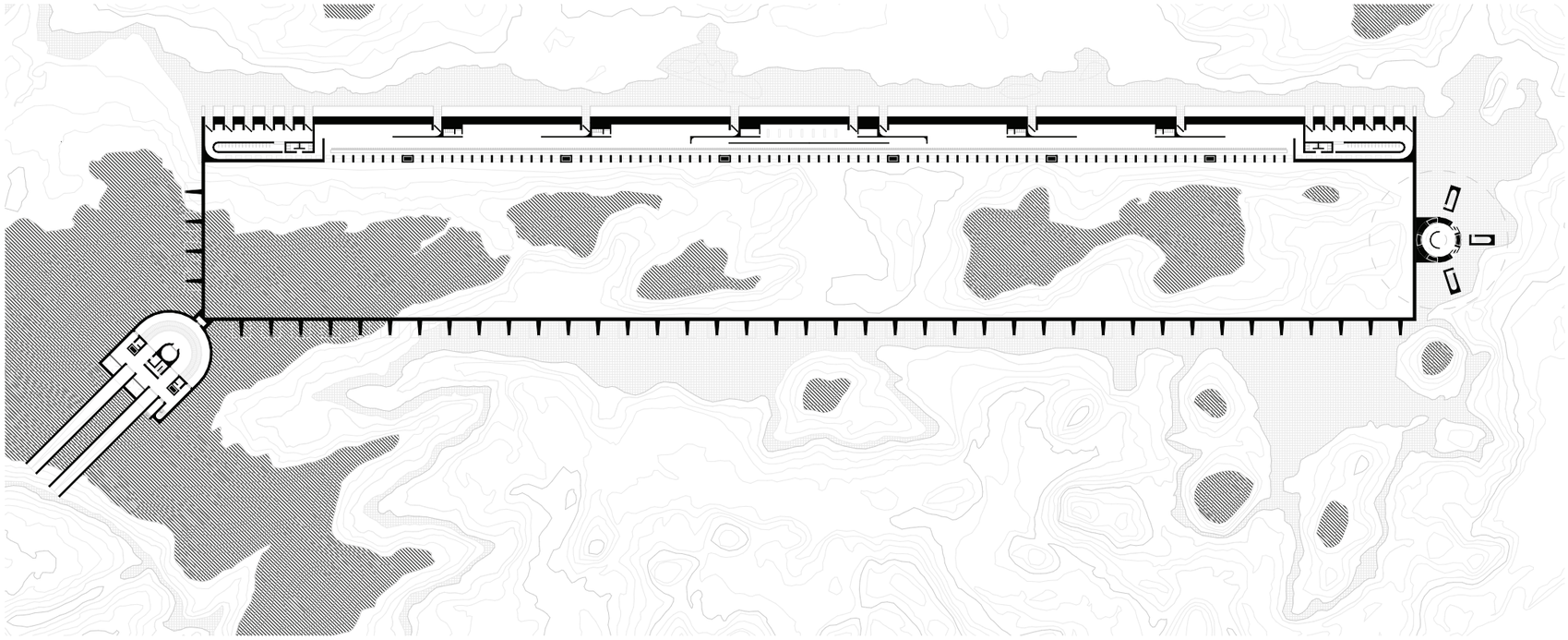
Panamax / Post-Panamax Locks



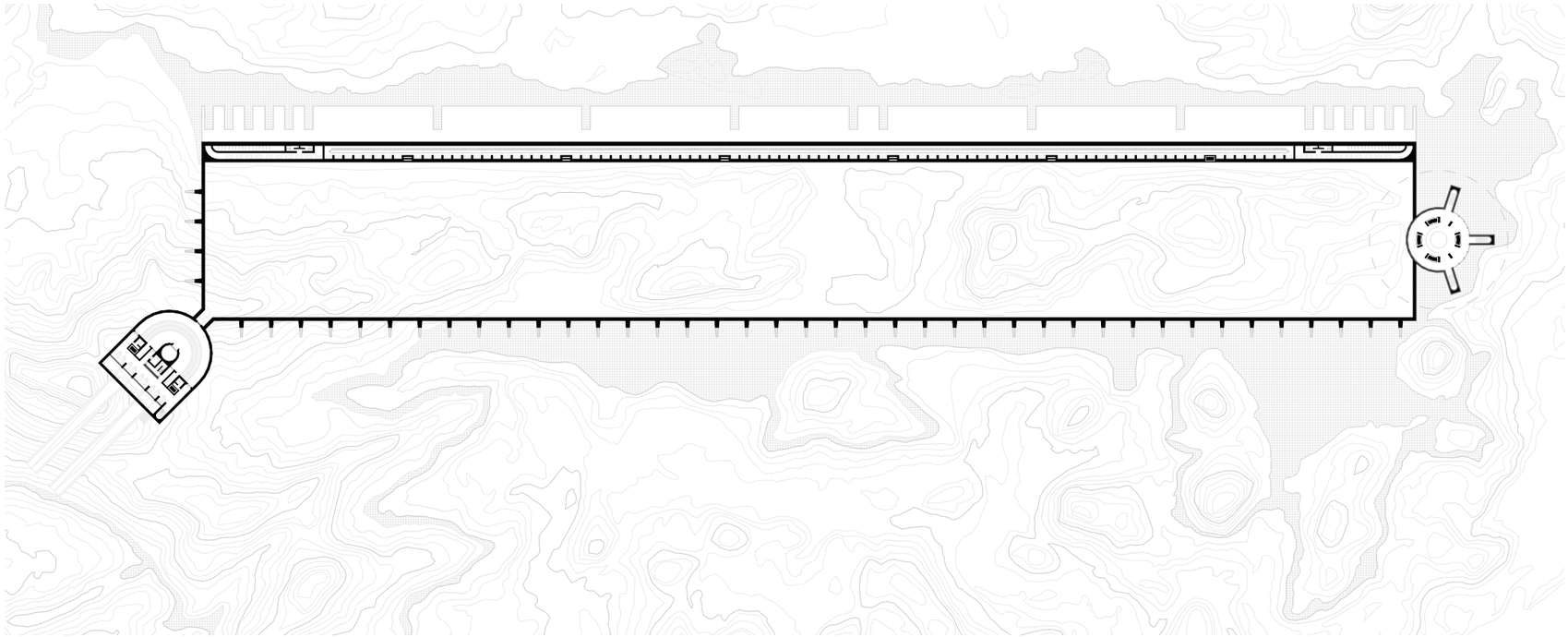
Canal excavations

Modi Operandi [Spatial Situation]

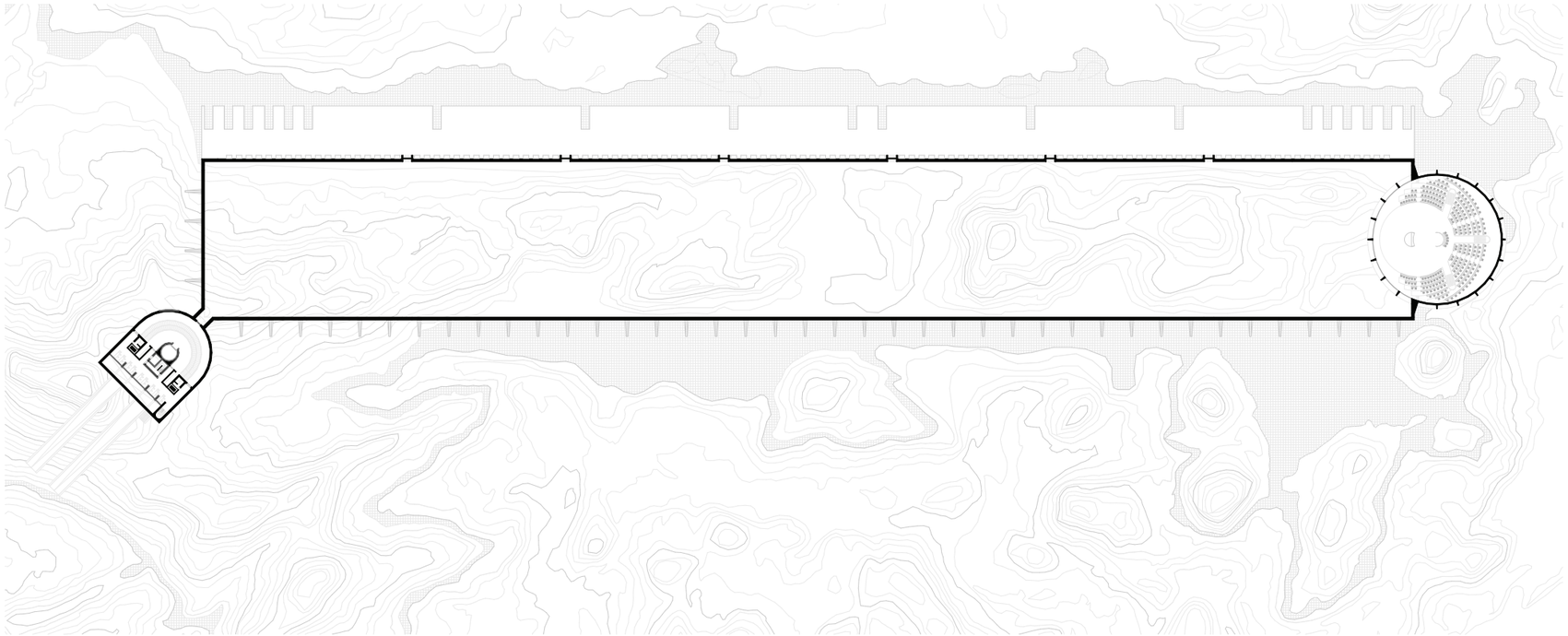




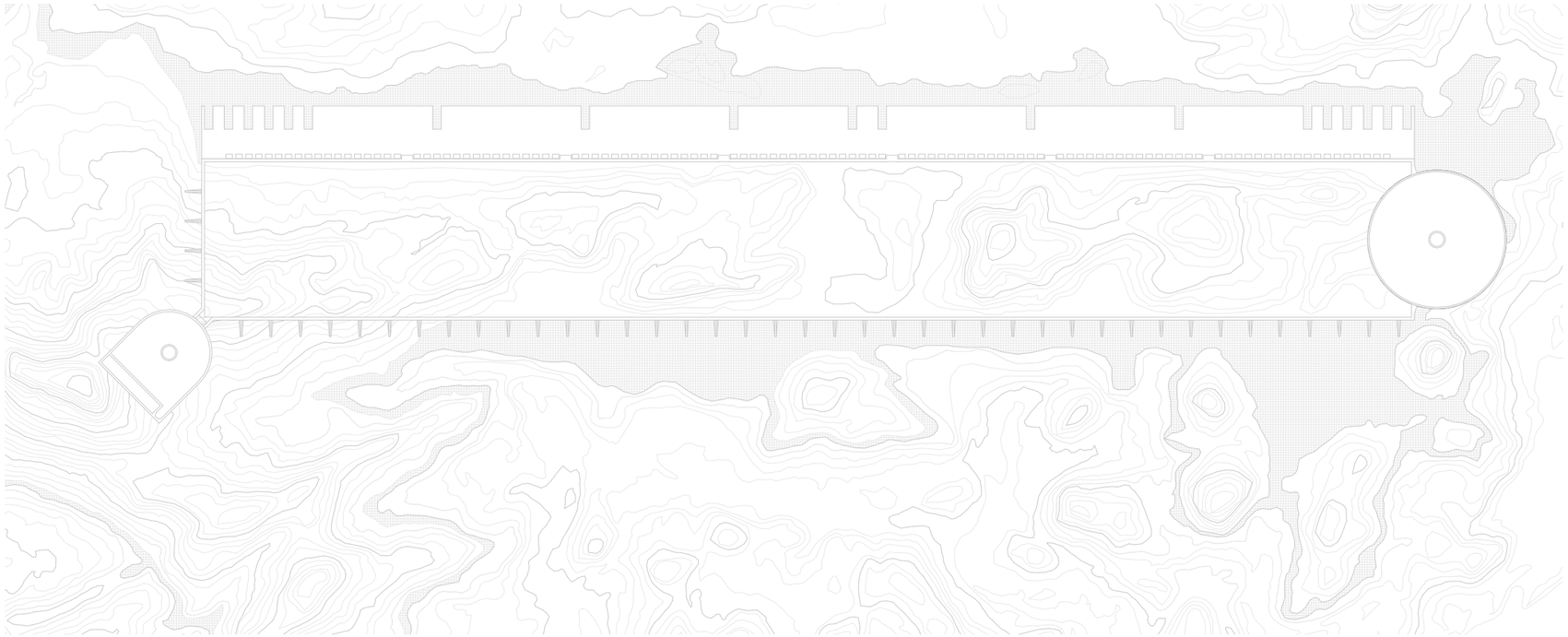
Ground Level



Level 01



Level 02



Roof View

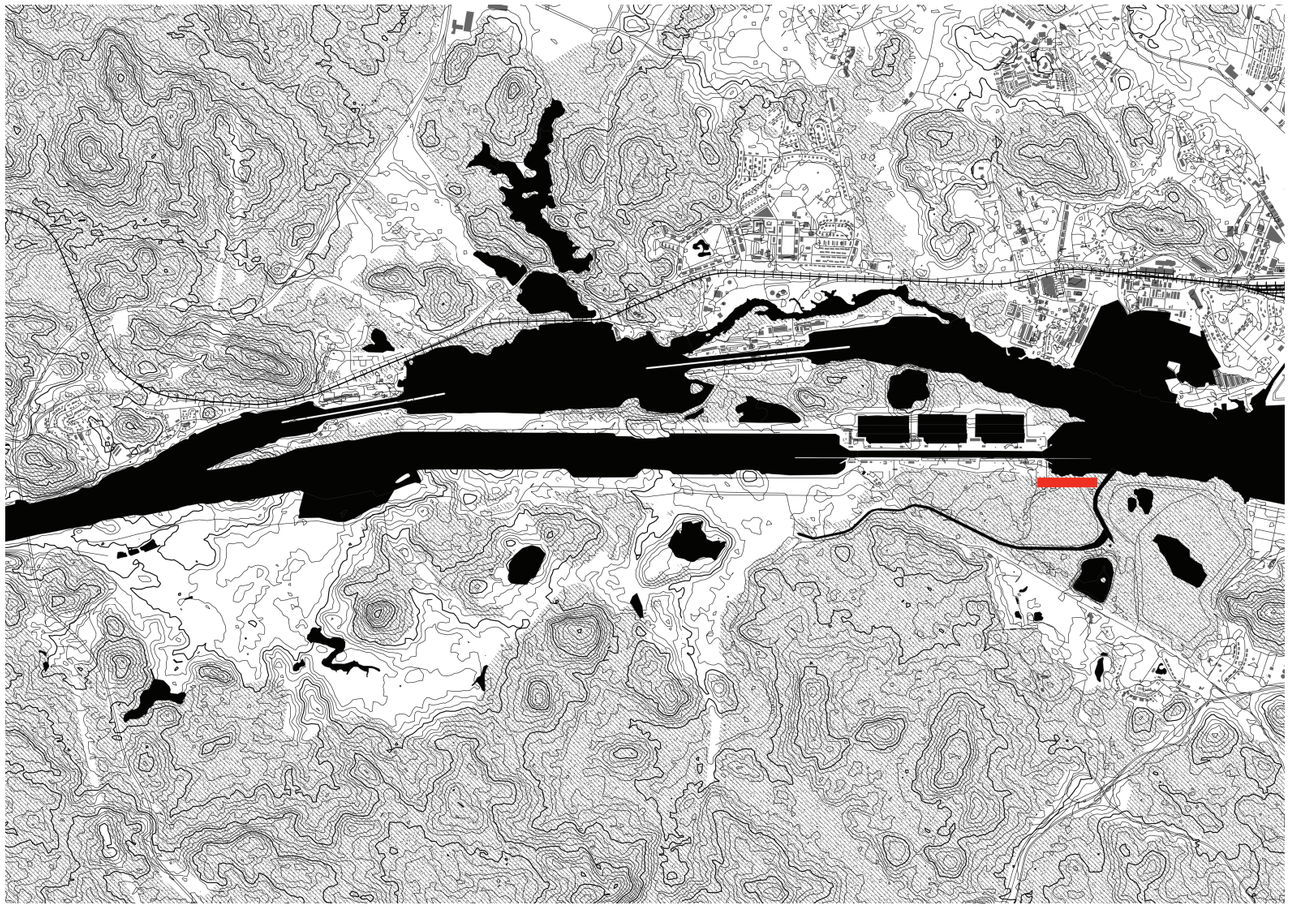
Department Of Communications

The Embassy

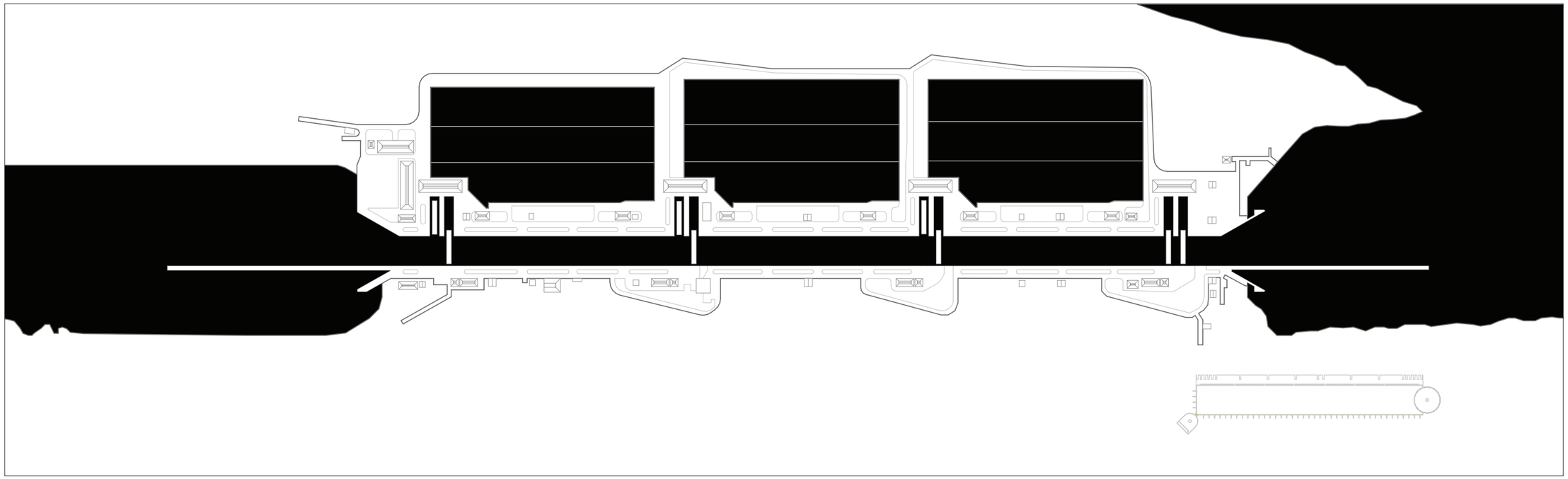
Department Of Legal Affairs

The Embassy

Department Of Informal Diplomacy



Site



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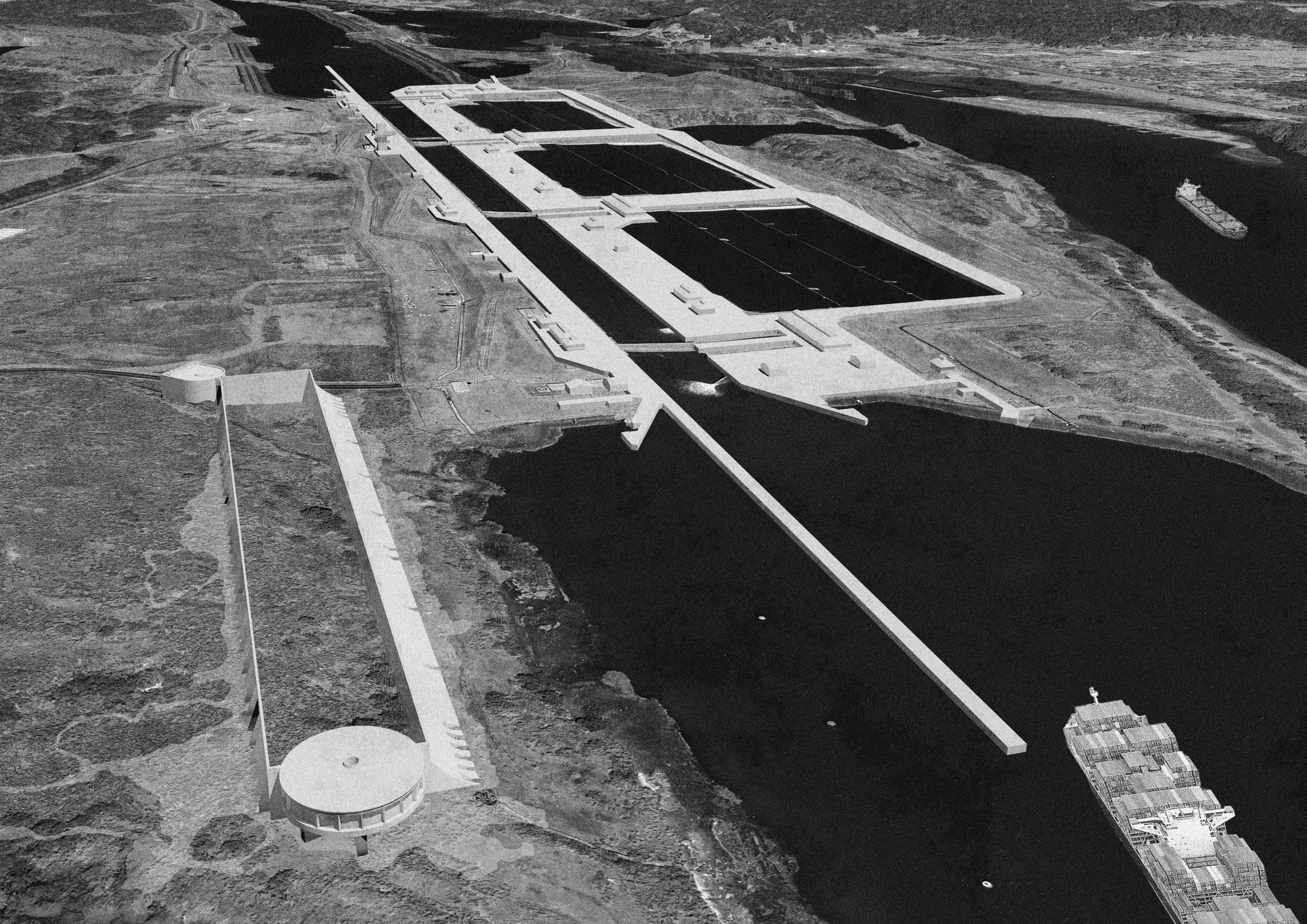
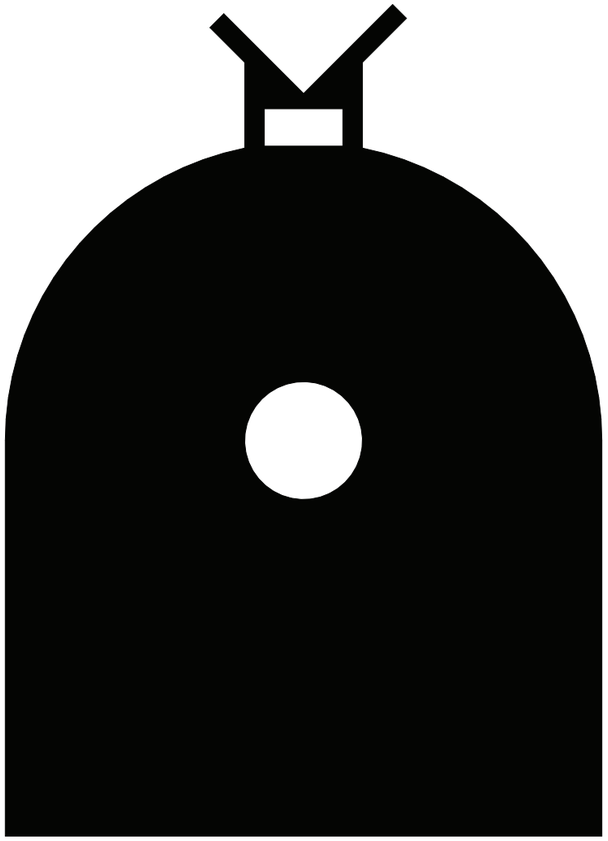
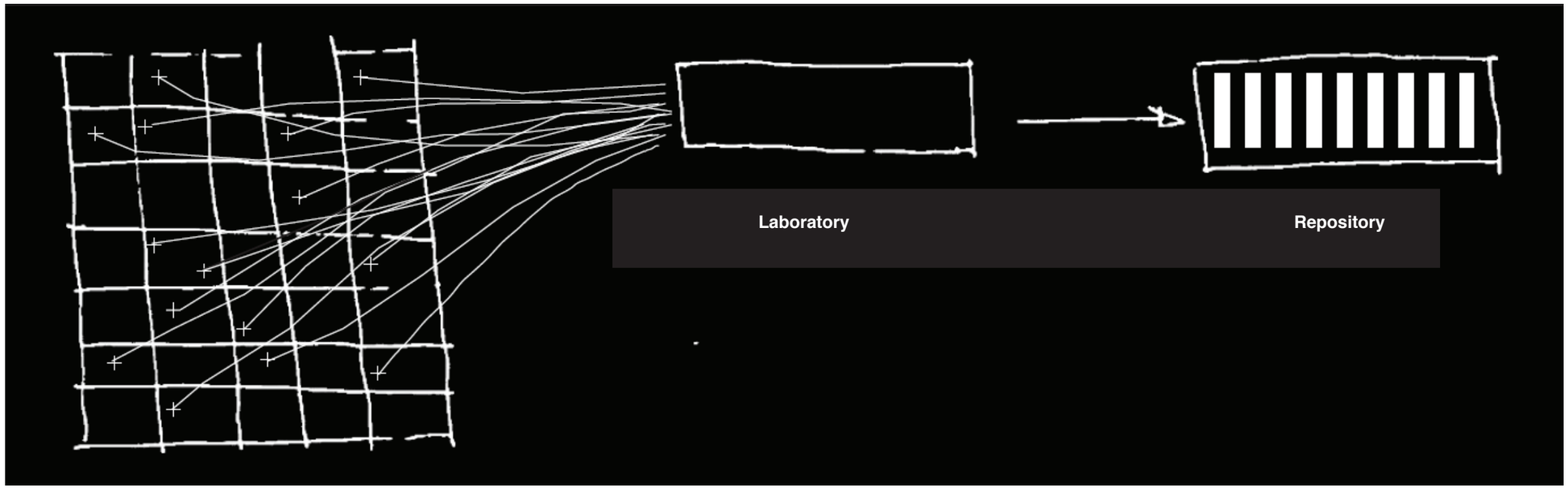


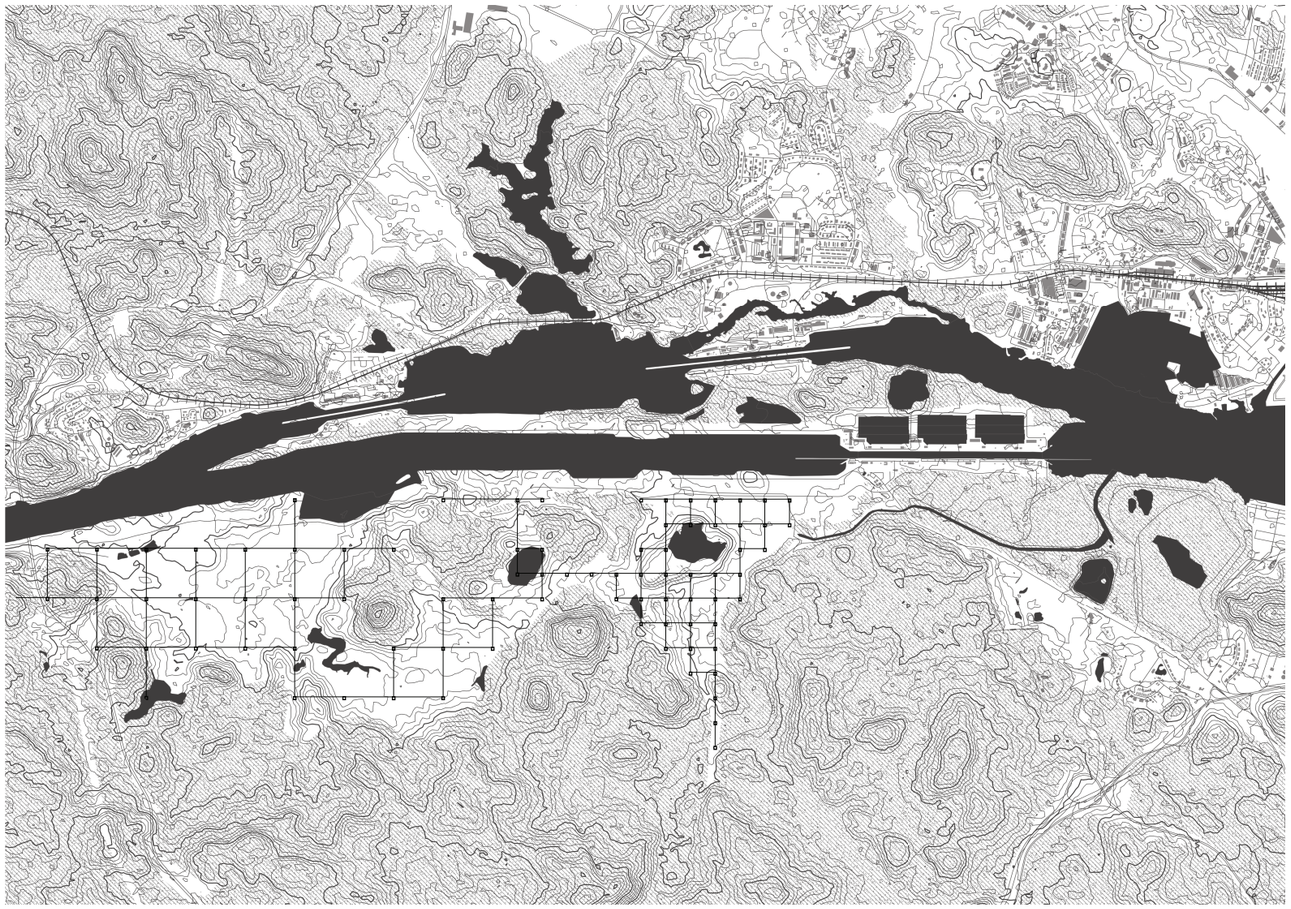


Department Of Communications

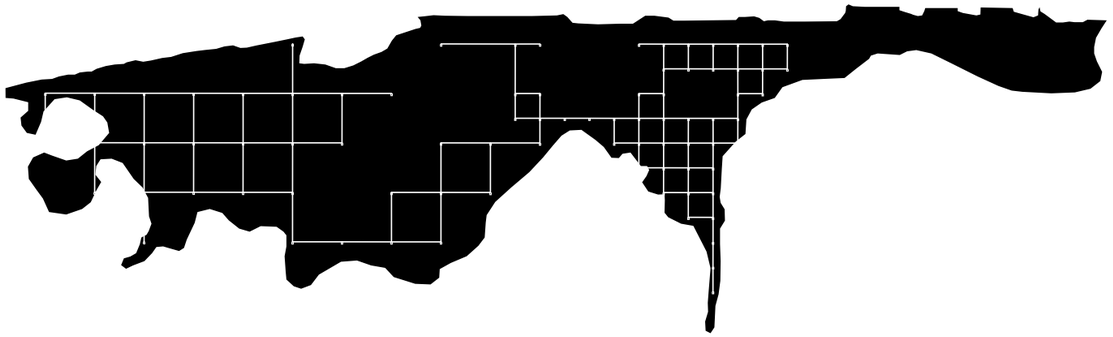


Data Extraction

Grid Data Storage

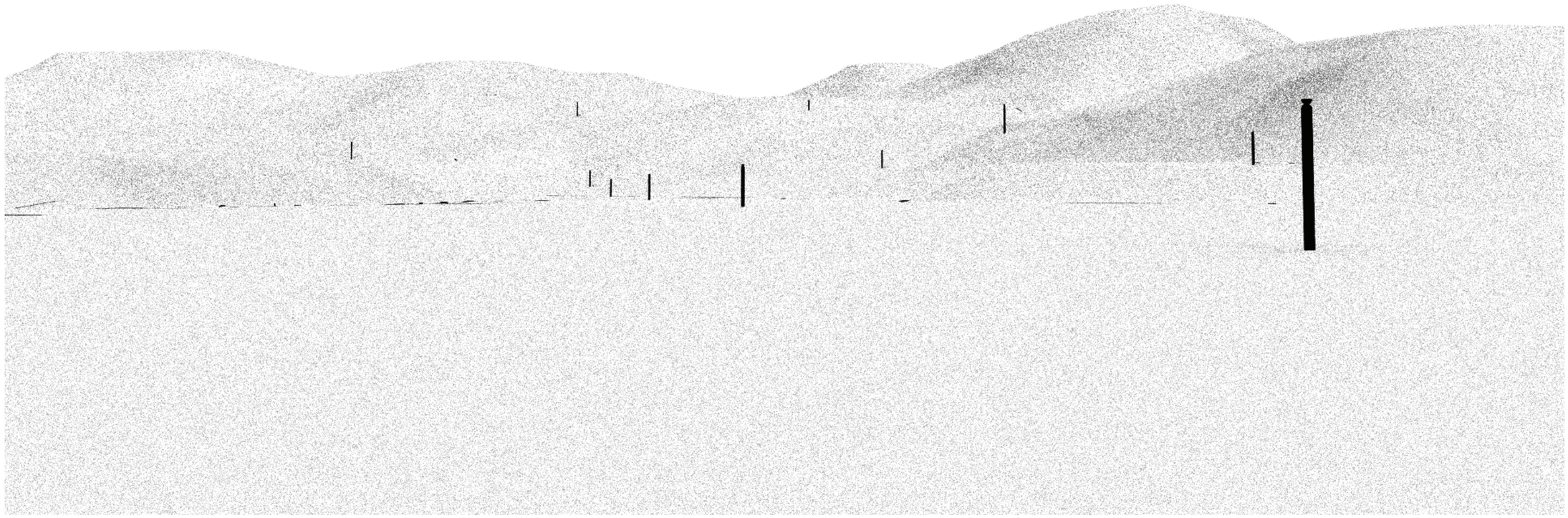


Sample Extraction Grid



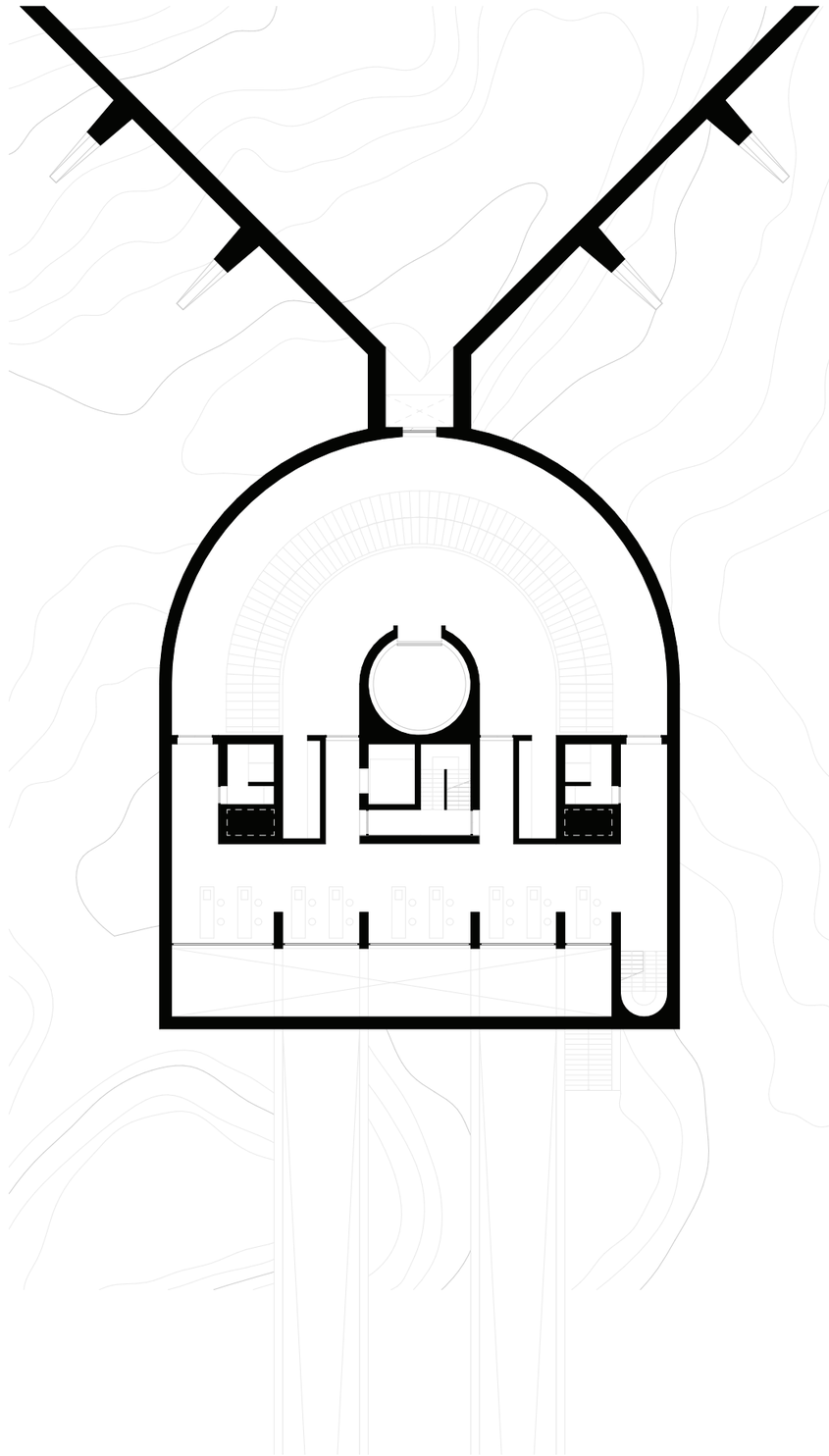
Sample Extraction Grid

Sample Extraction Grid

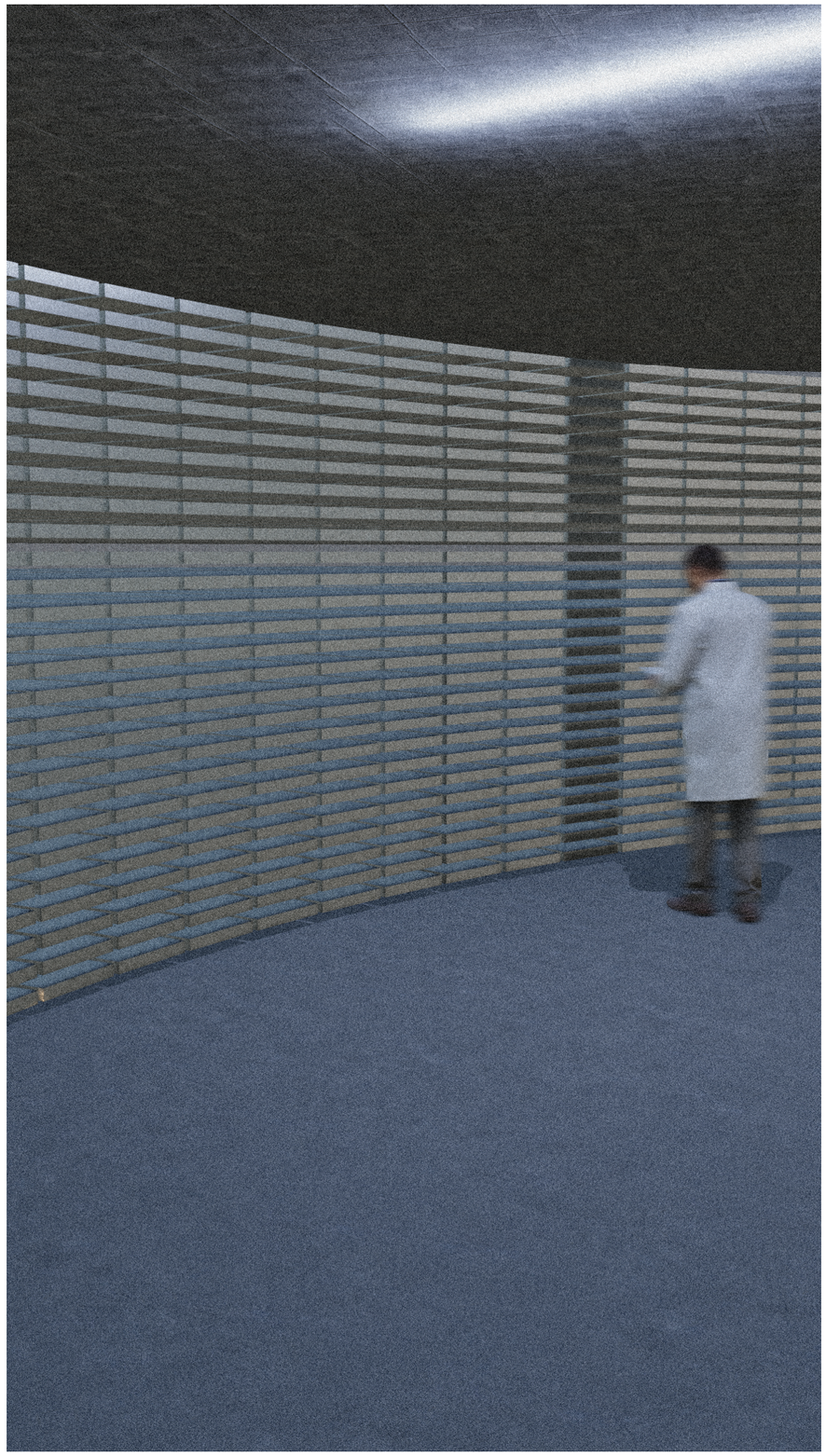


Sample Extraction Grid

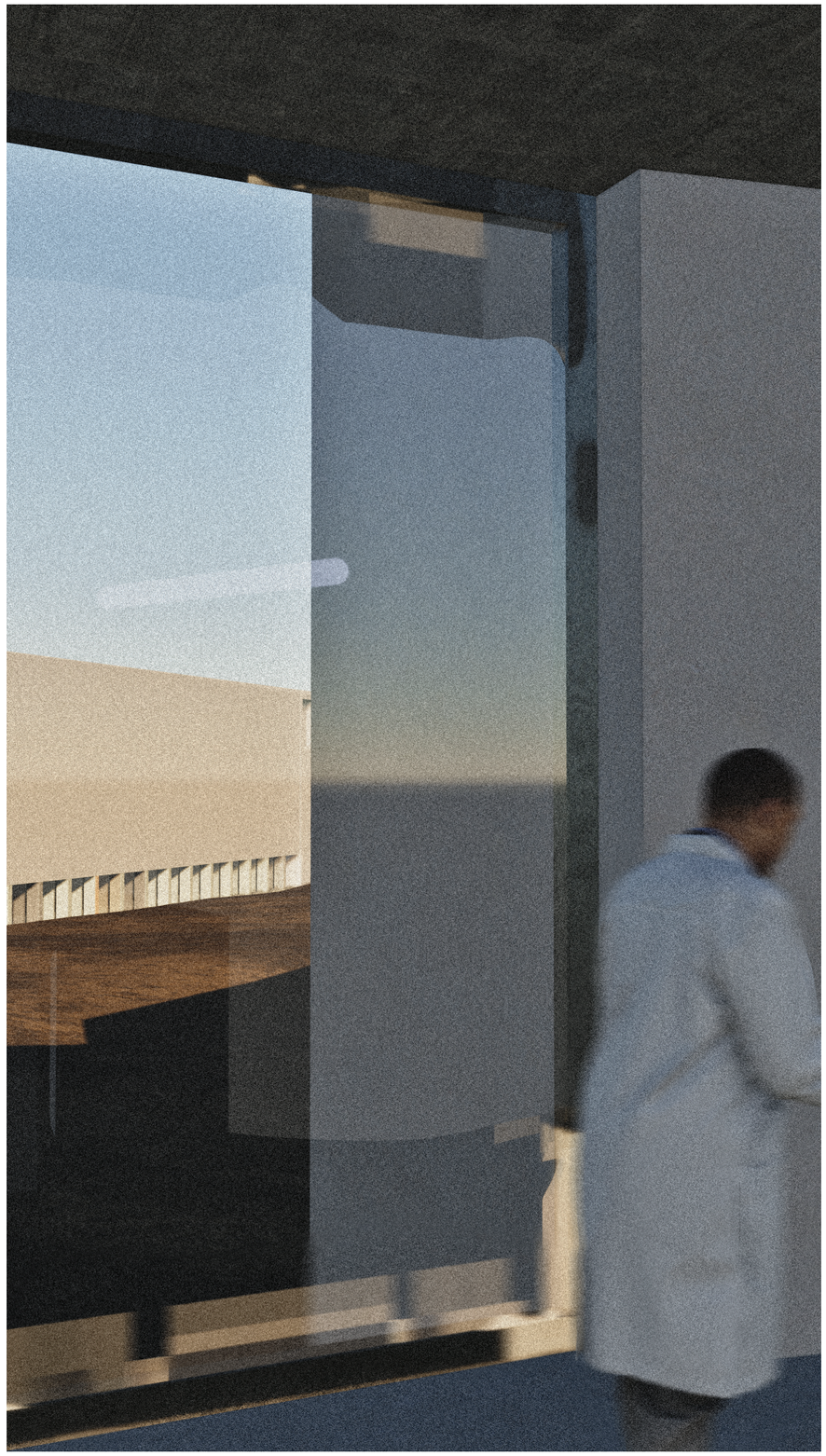
D.o. Communications 00



D.o. Communications 01



Repository



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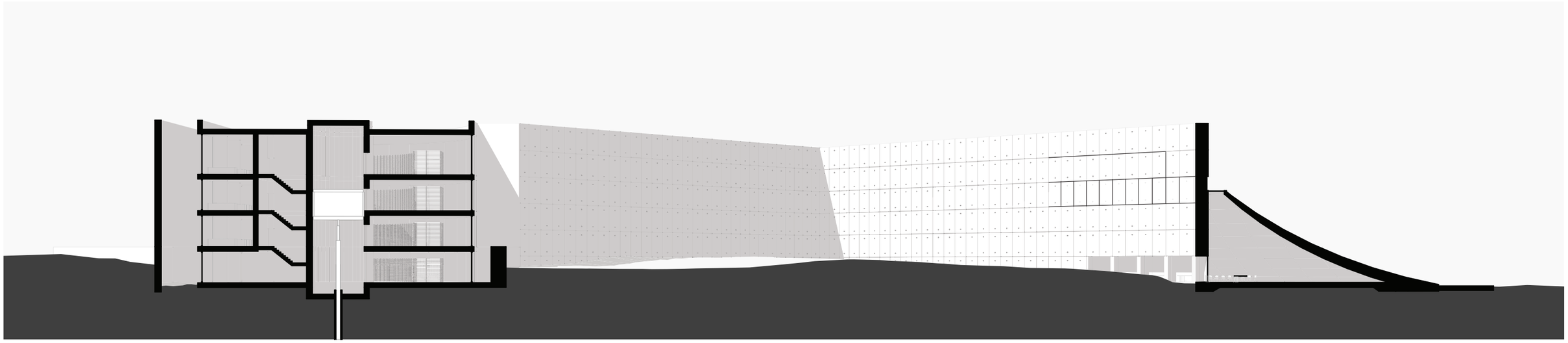
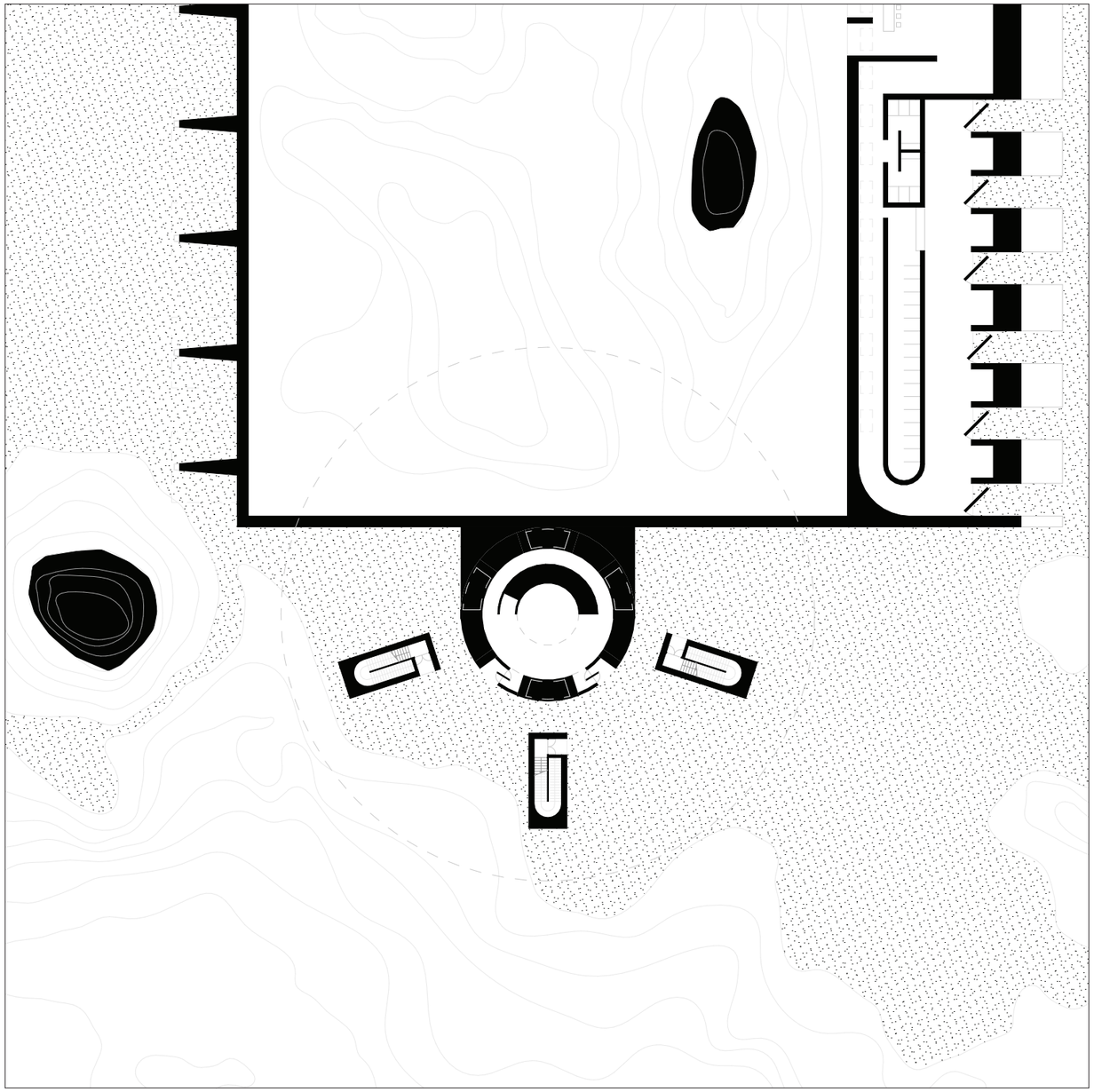
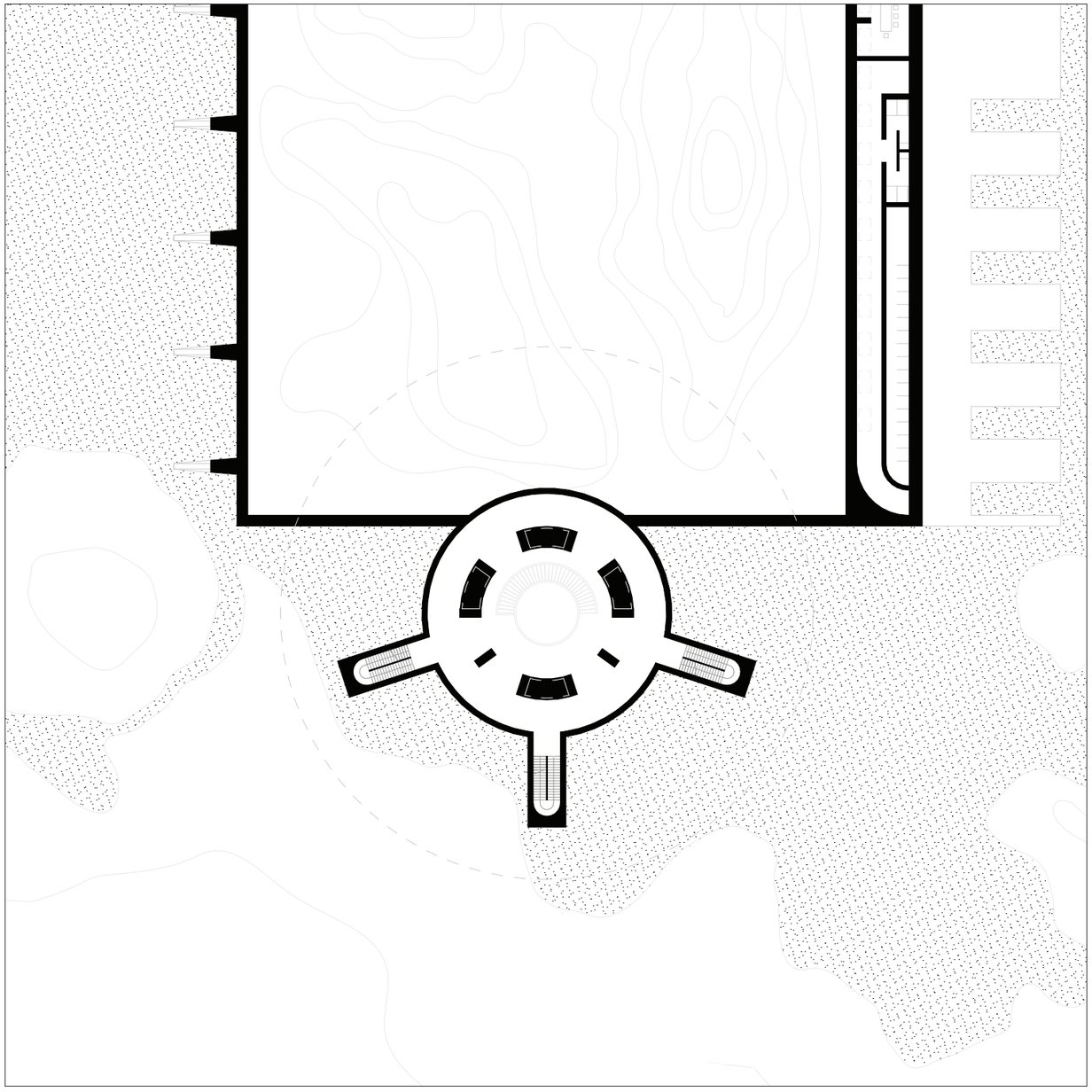
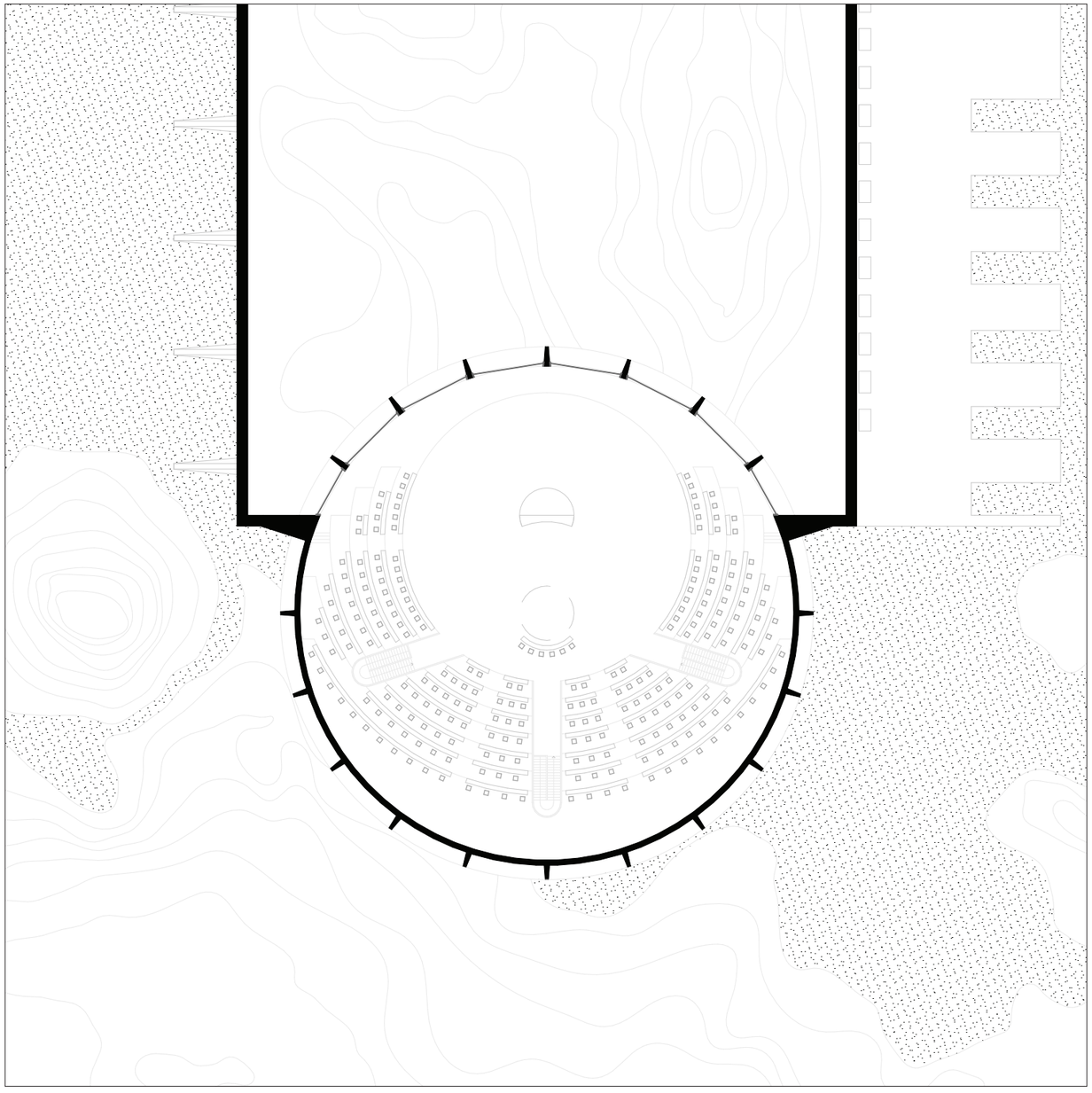


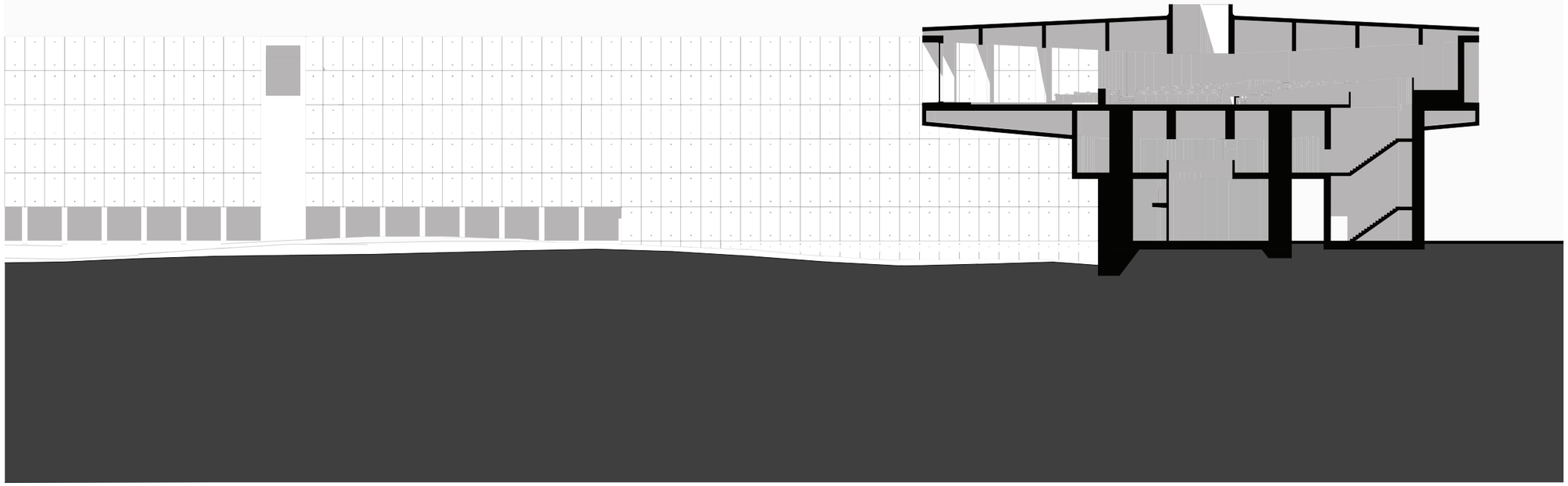
Department Of Legal Affairs

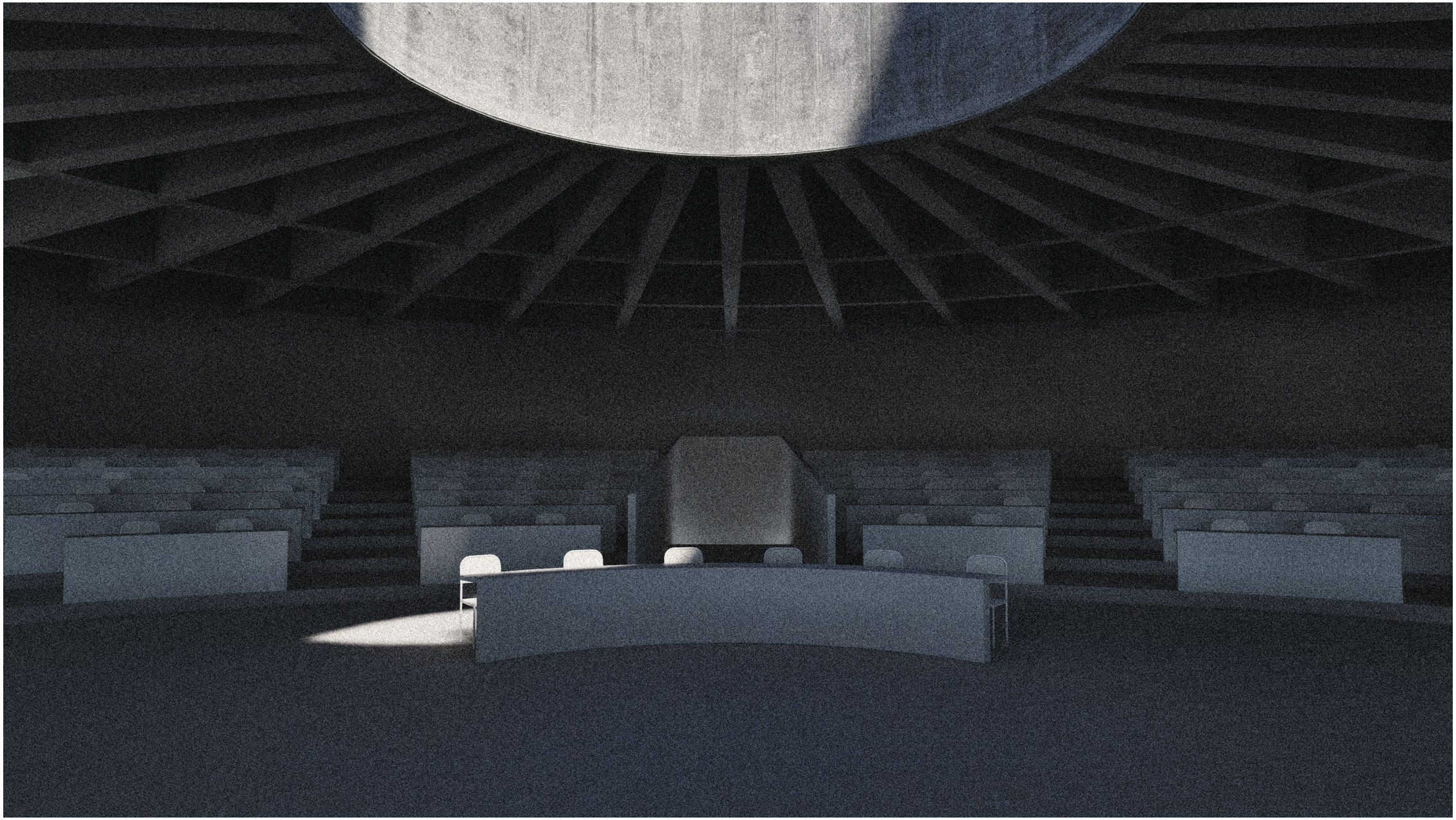




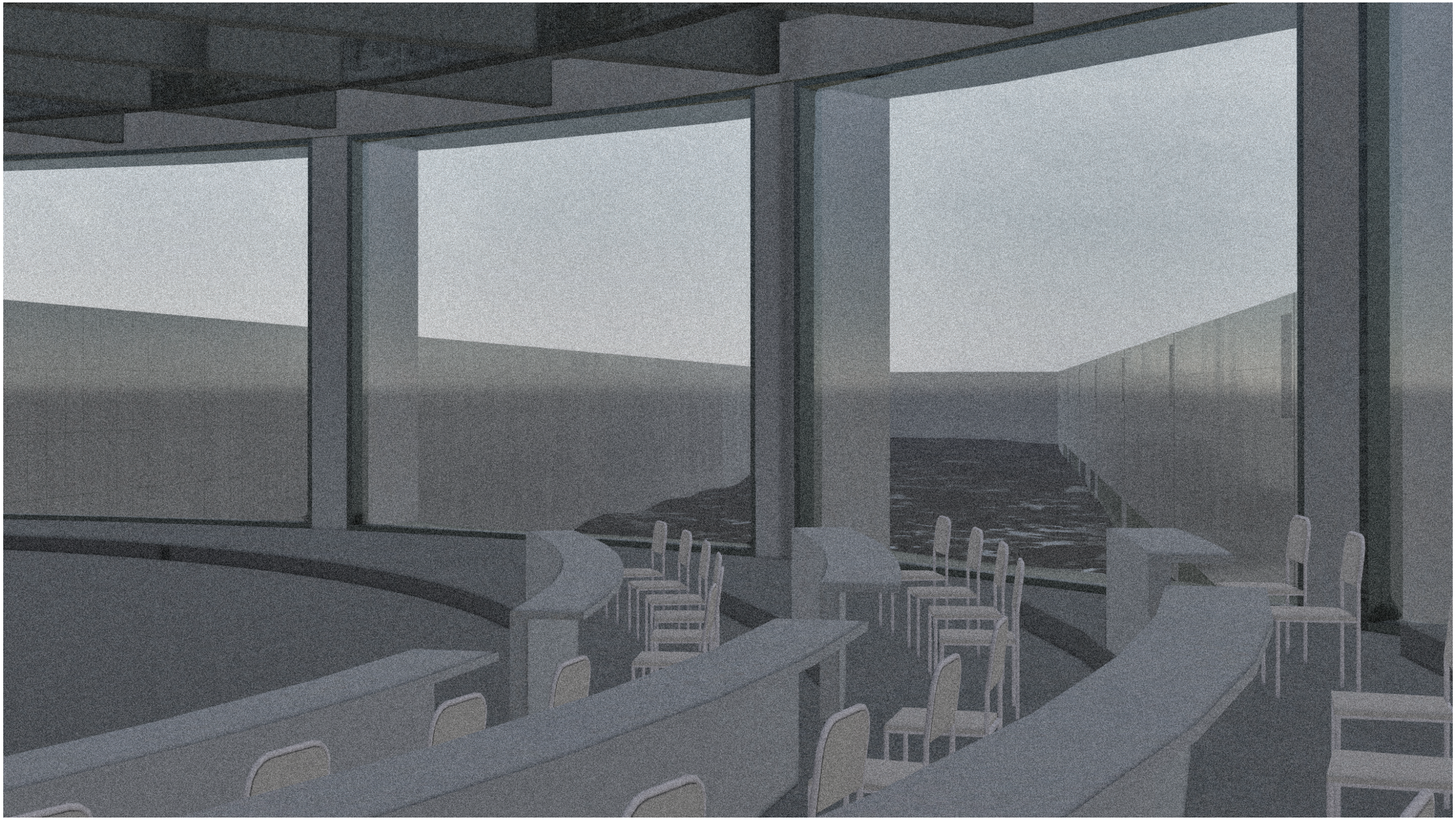


D.o. Legal Affairs 02

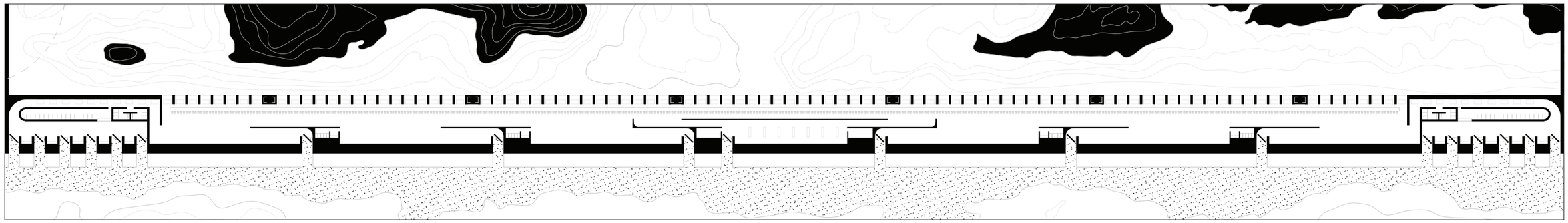




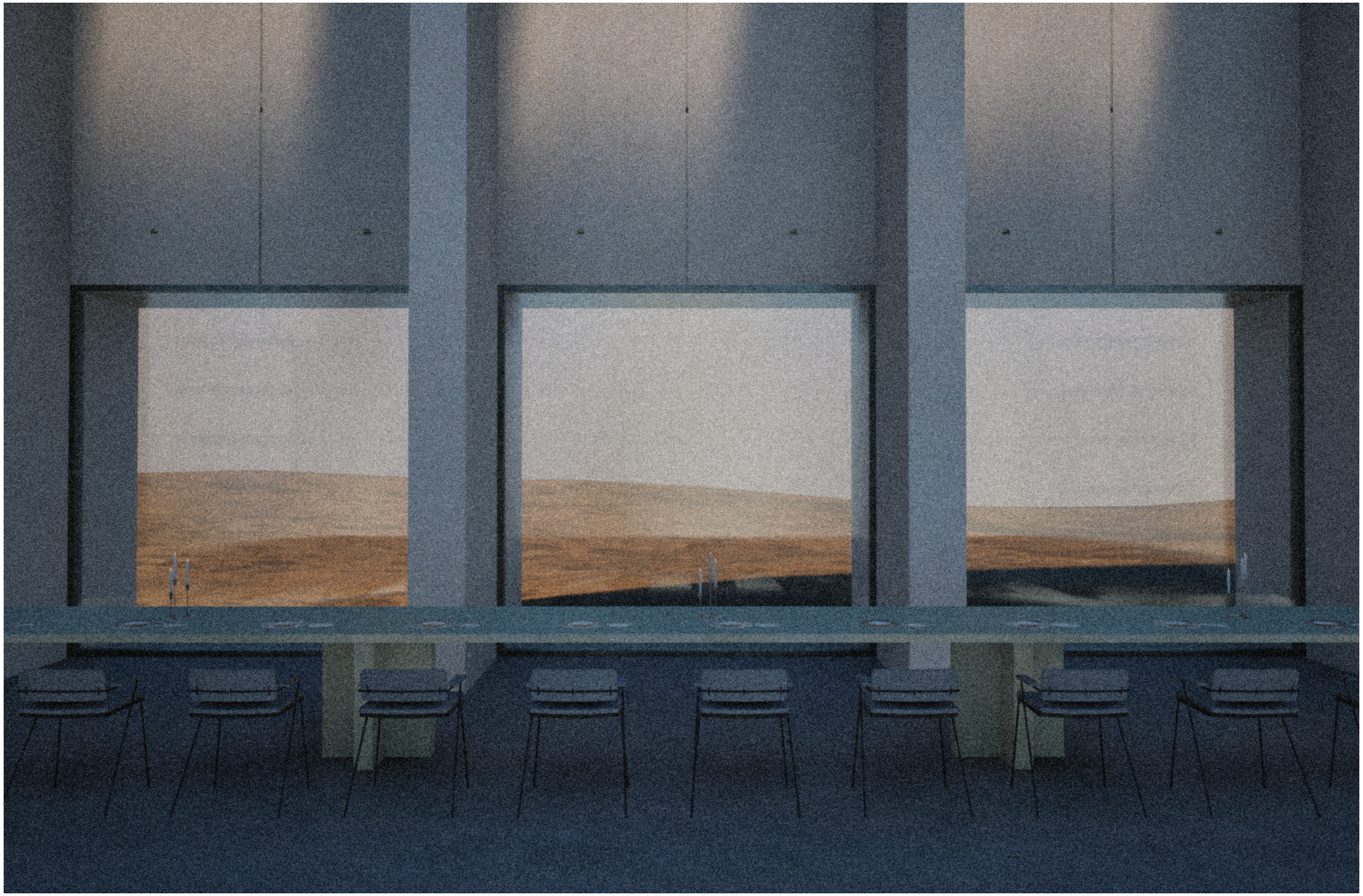
Plenary Hall



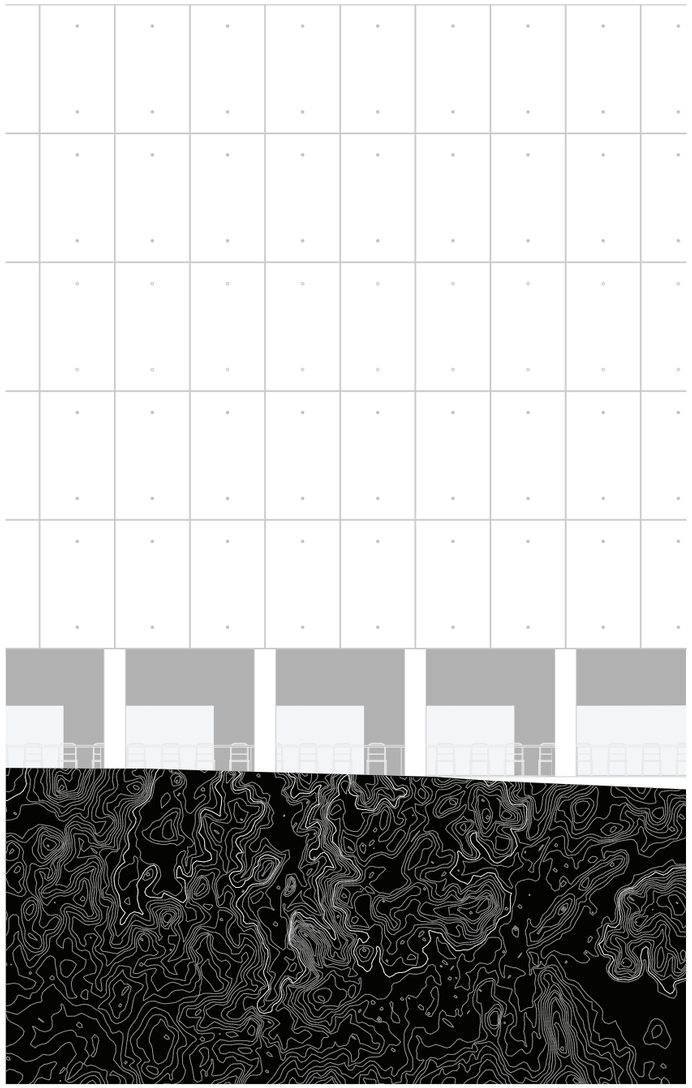
Plenary Hall

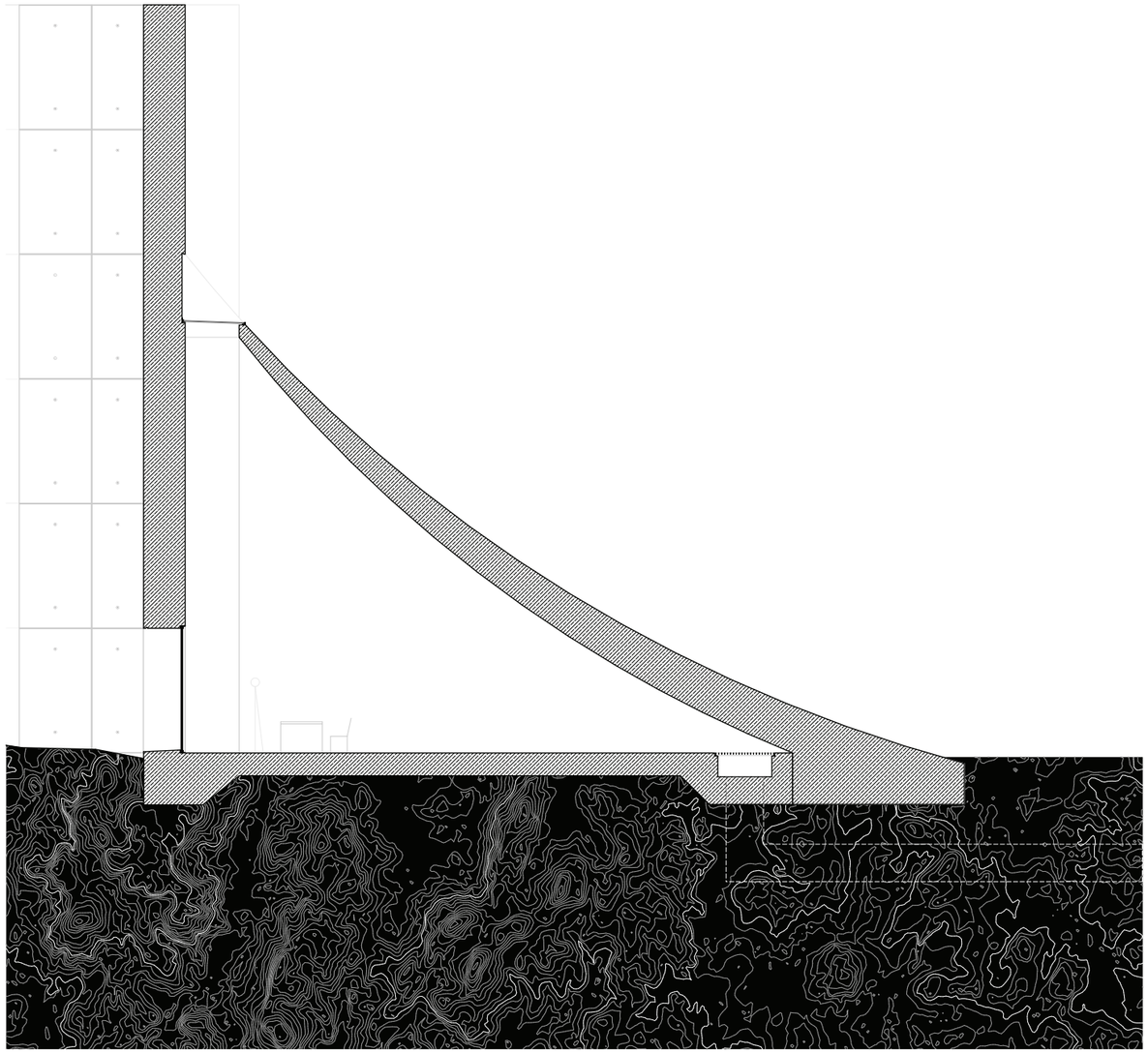


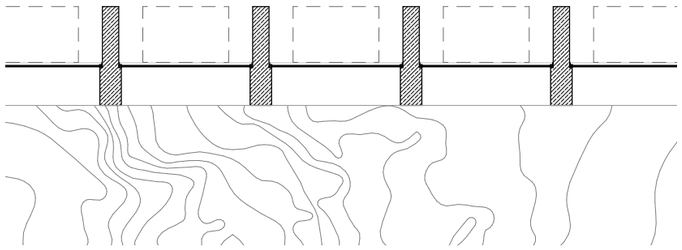
Banquet Hall



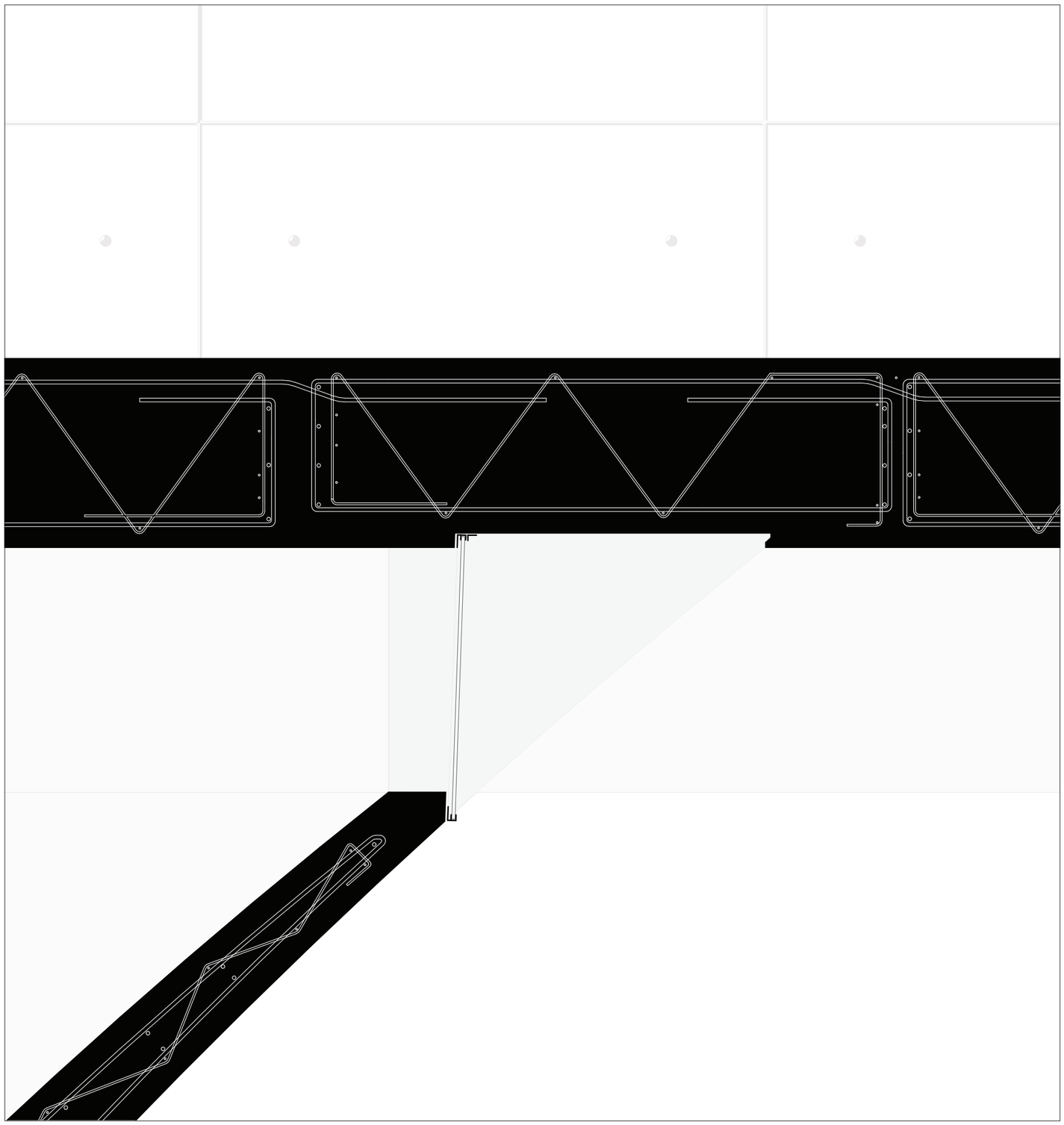
Ground View



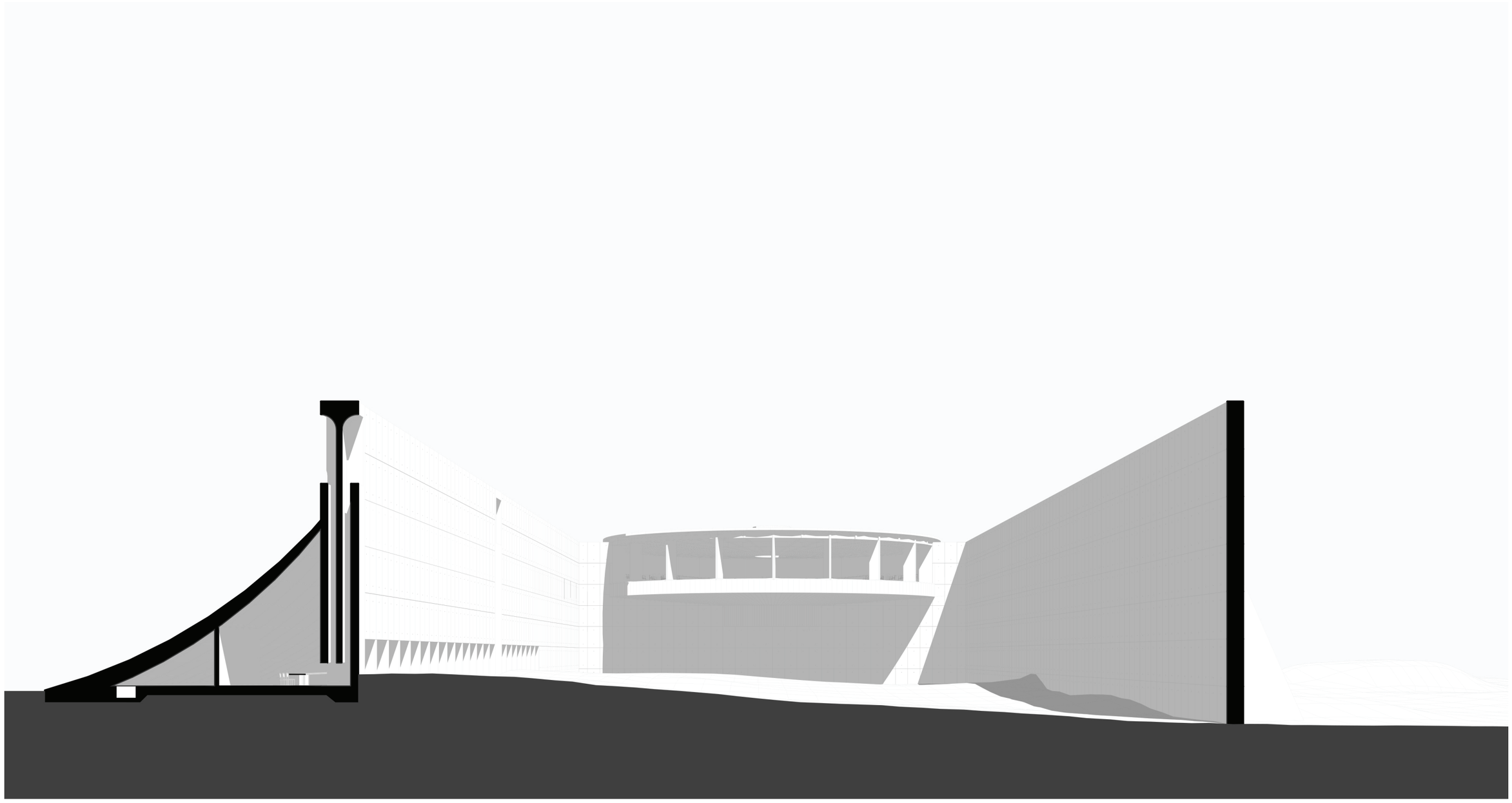




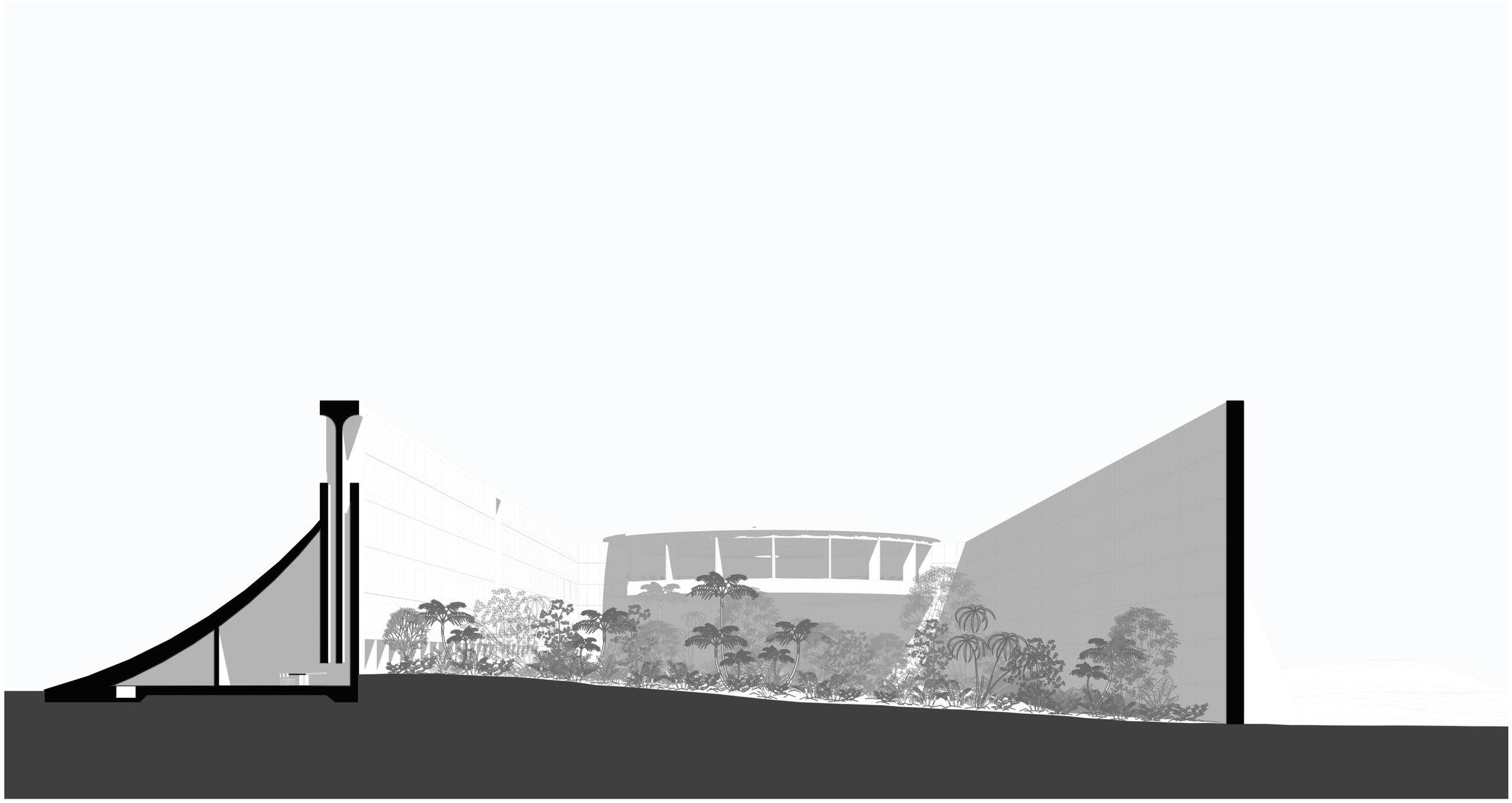
Materiality



Banquet Hall Sky Light



Year 00

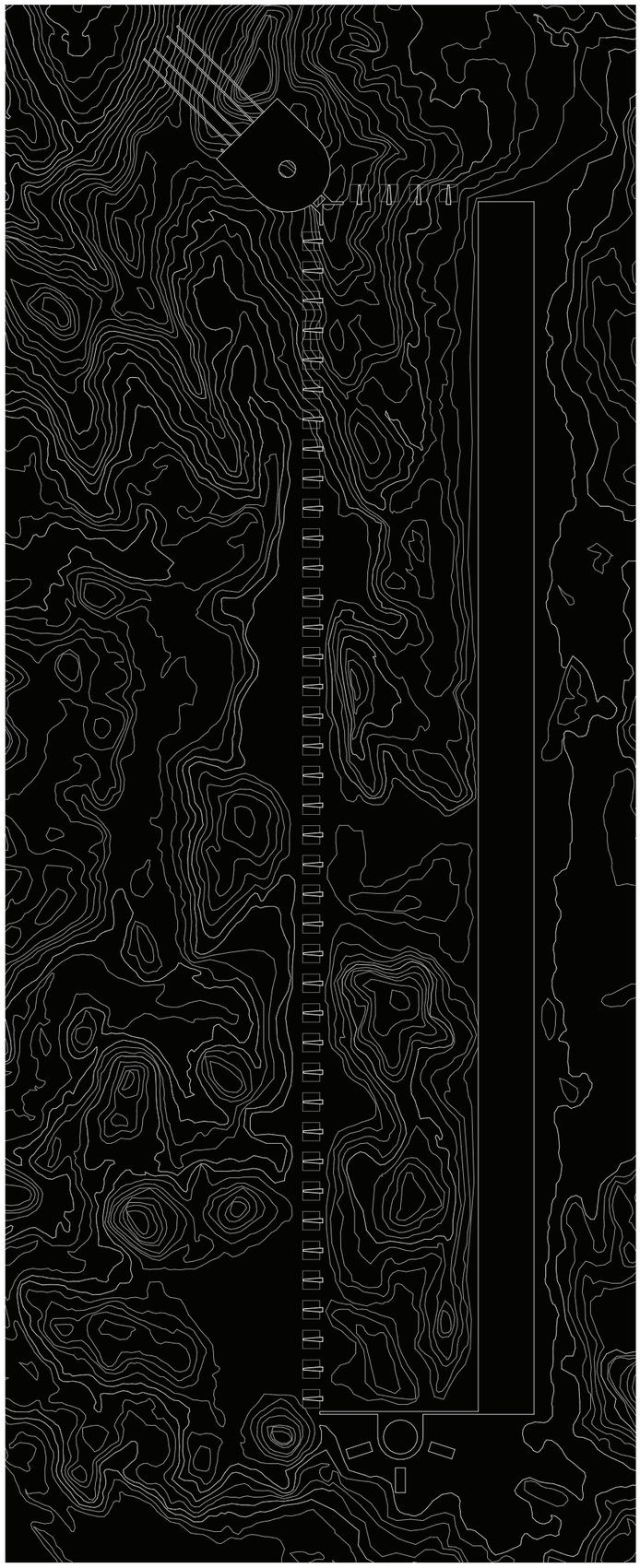


~ Year 0 - 10

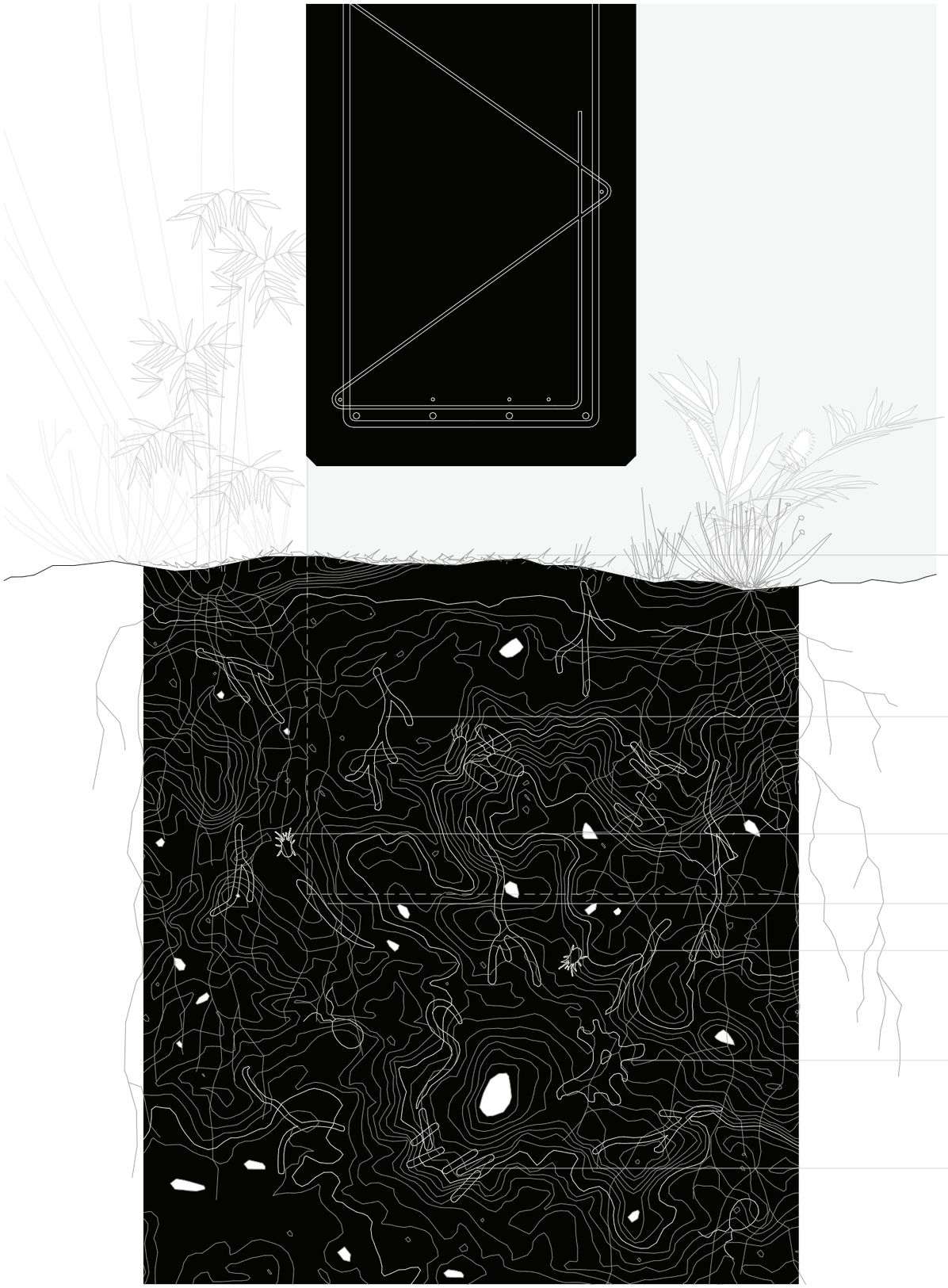
~ Year 10 - 25

~ Year 25 - 60

~ Year 60 - 125



Microbial Exchange Gate



ORGANIC MATTER
WASTE, RESIDUE AND METABOLITES FROM PLANTS, ANIMALS AND MICROBES

FUNGI
MYCHORRIZAL FUNGI
SAPROPHYTIC FUNGI

ANTHROPODS
SHREDDERS

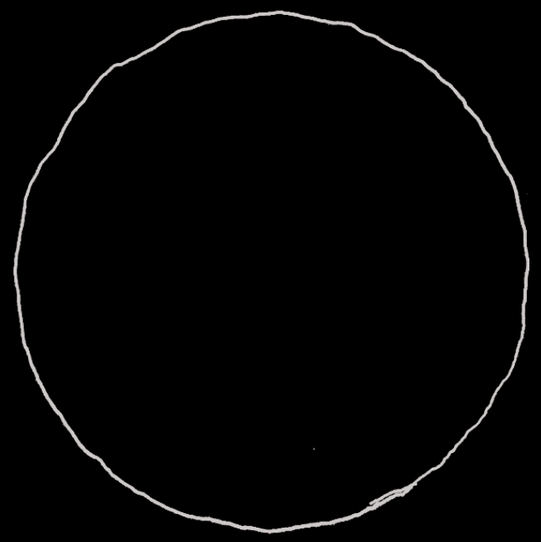
NEMATODES
PLANT PARASITIC

NEMATODES
FUNGAL- AND BACTERIAL FEEDERS

PROTOZOA
AMOEBAE, FLAGELLATES

BACTERIA

Microbial Exchange Gate



Thank You!