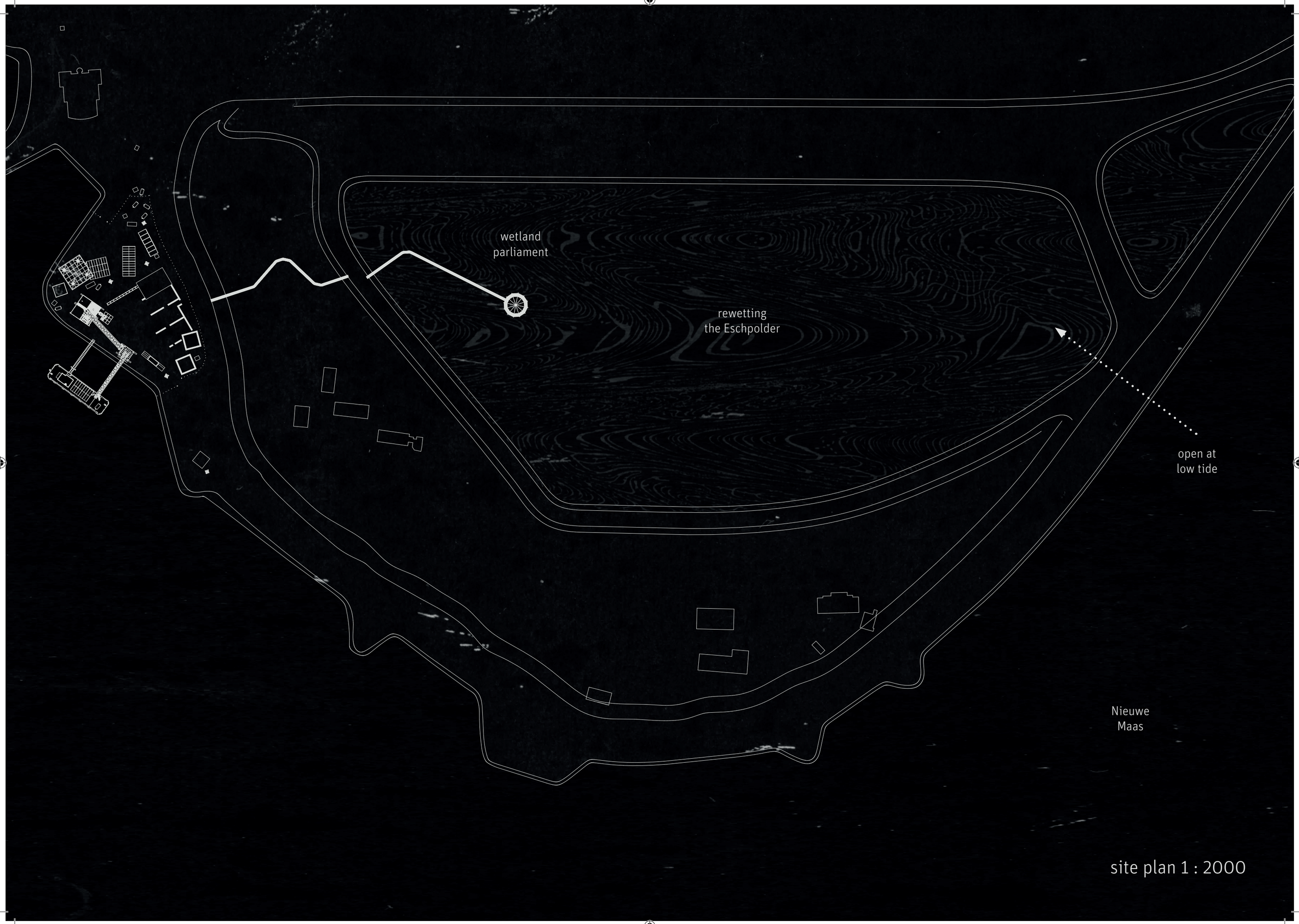
Architecture, Urbanism and Building Sciences | Explorelab
TU Delft
Jelmer Teunissen



context overview



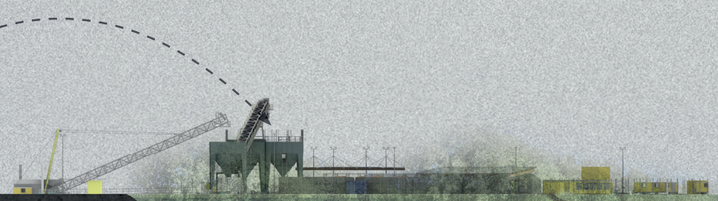
site plan 1 : 3000



site plan 1 : 2000

dredging sludge

flood



section current

tides

flood

dredging

section current

dredging sludge

flood

contamination

section current

sediment
deposition

flood
buffer

sequestering
contamination

harvesting:
soil remediation

rewetting

contamination

section proposed

harvesting:
soil remediation

rewetting

wetland
flora

contamination

section proposed

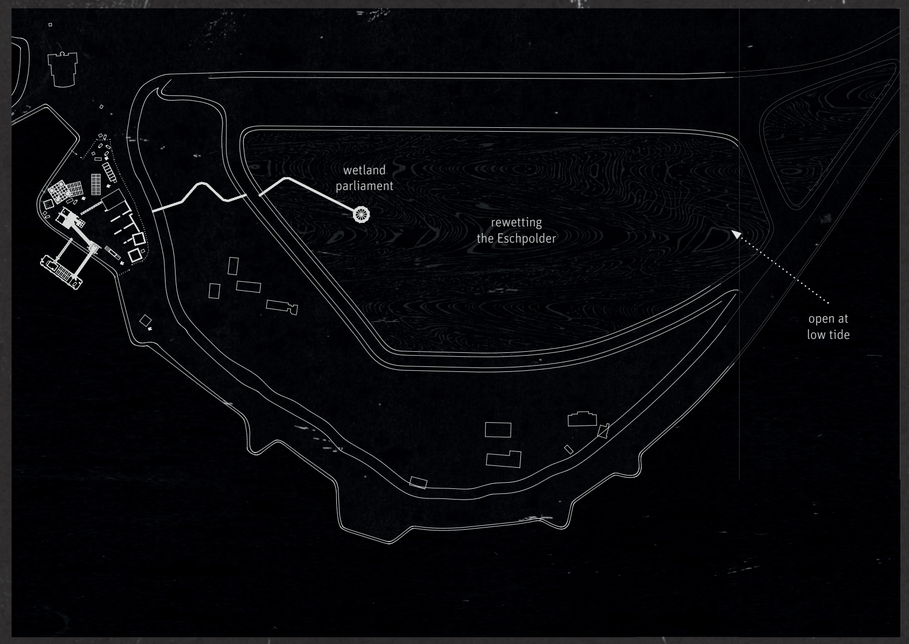
sediment
deposition

flood
buffer

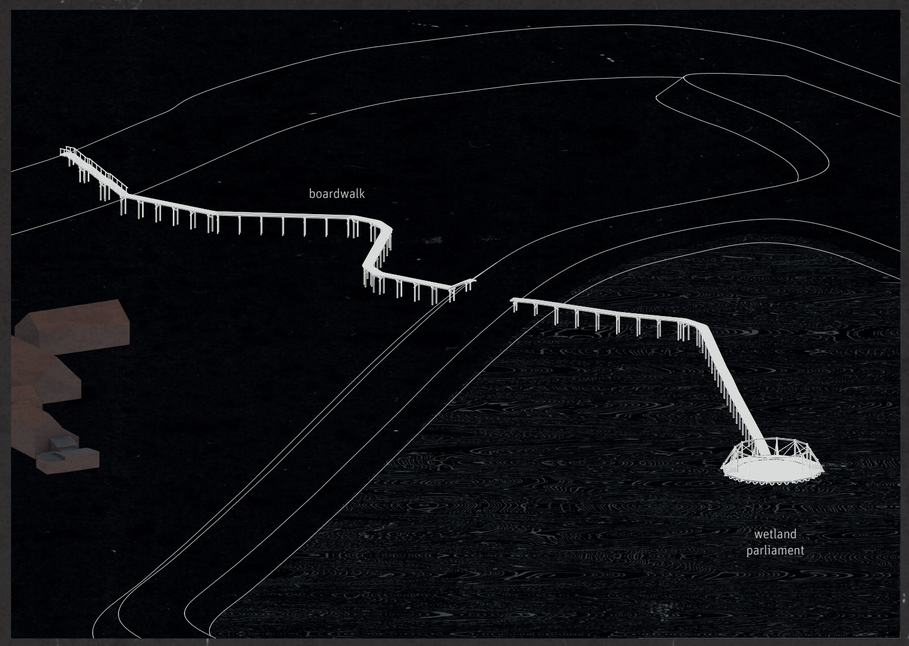
sequestering
contamination

harvesting:
soil remediation

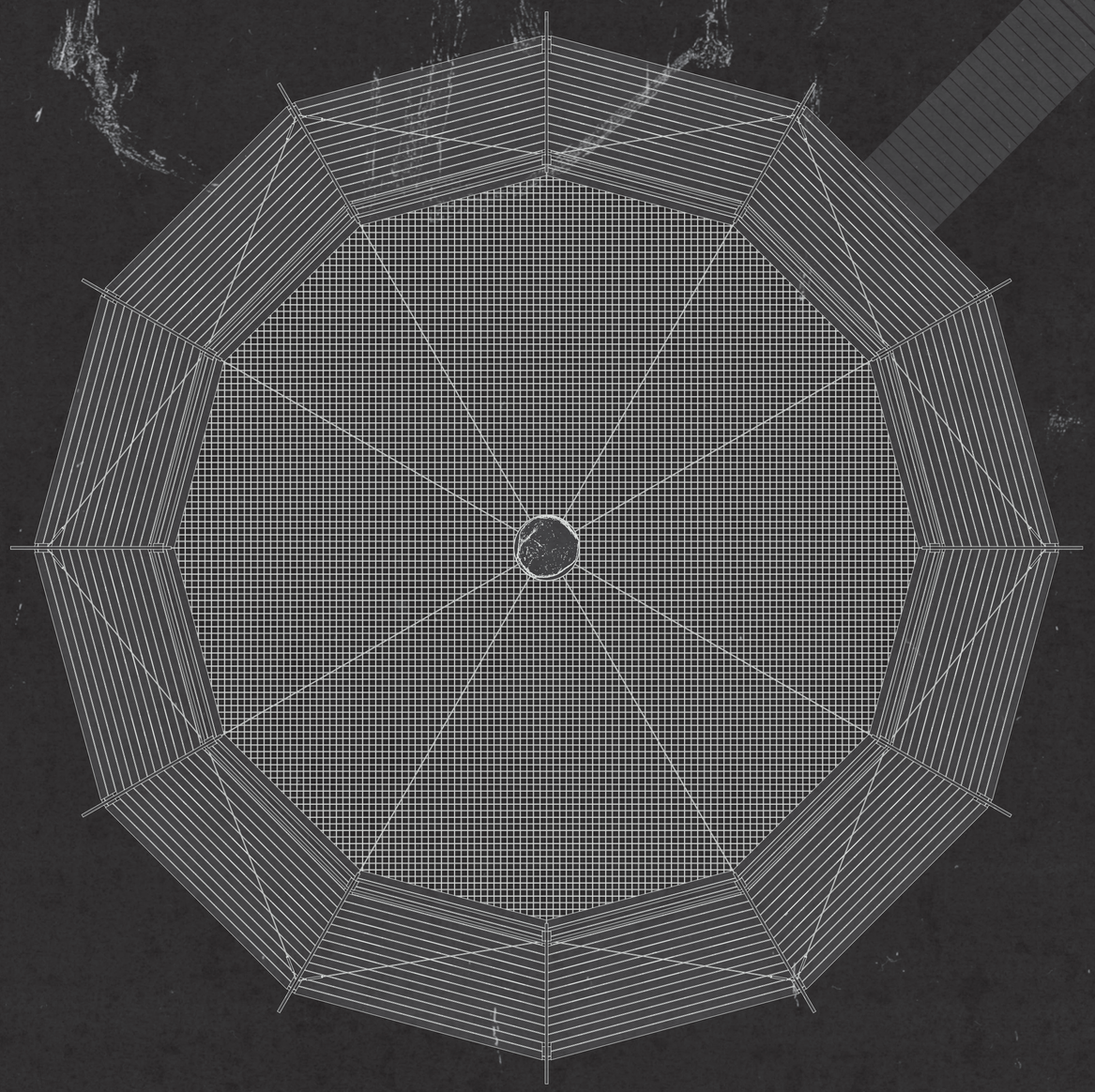
section proposed



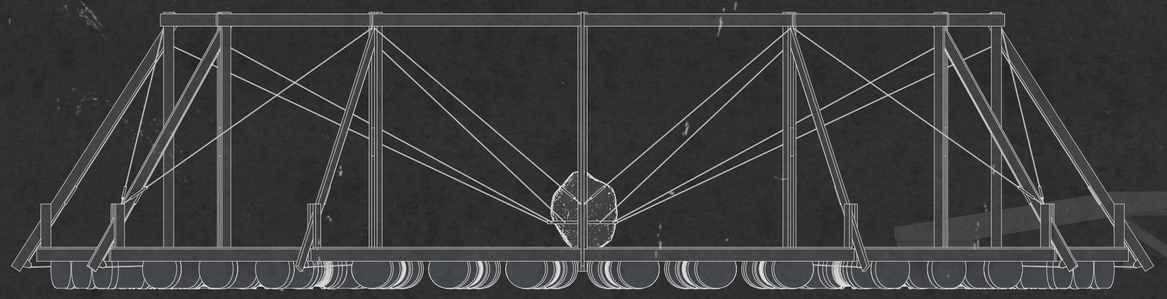
site plan 1 : 4000



axonometry polder



plan



elevation

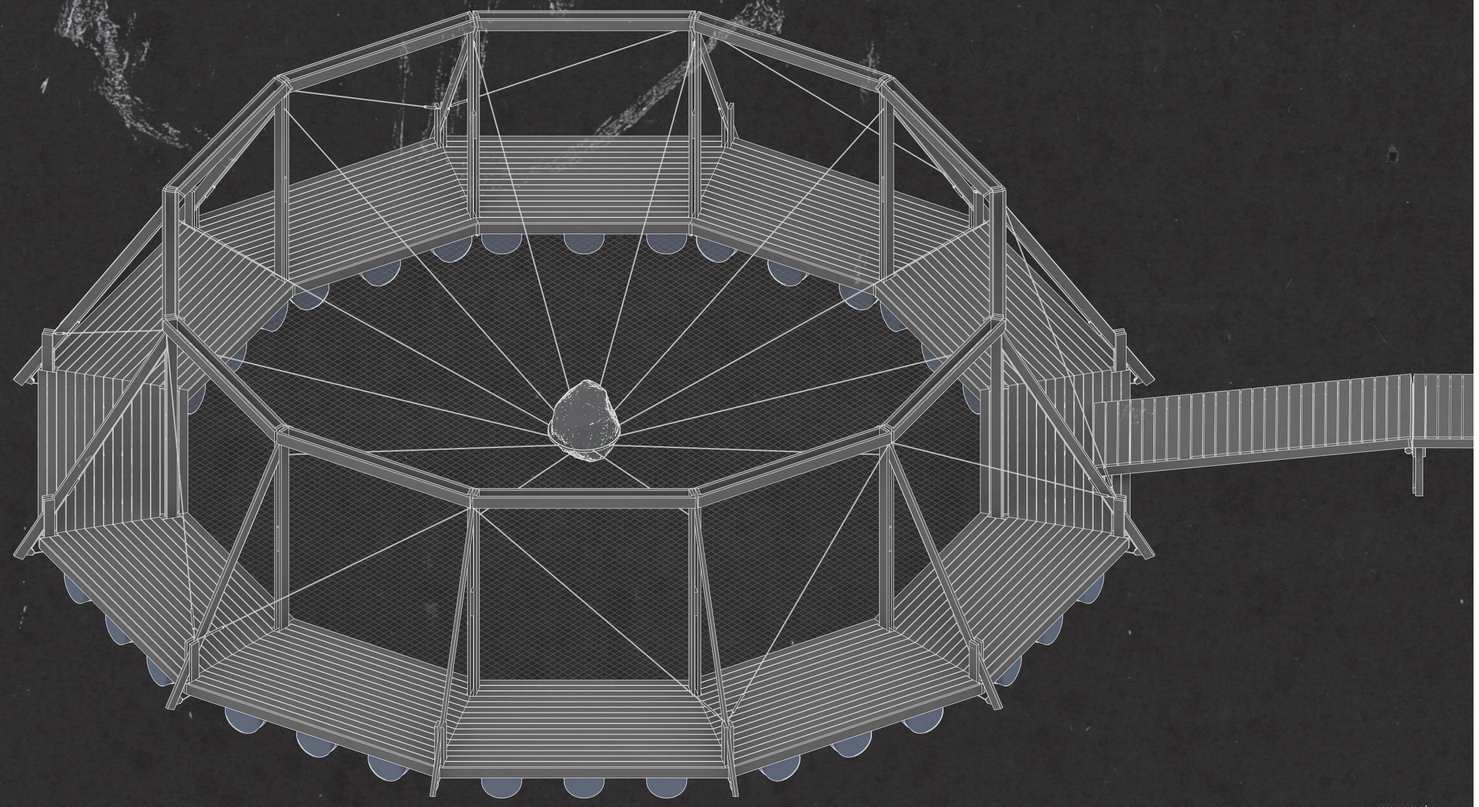
wetland parliament



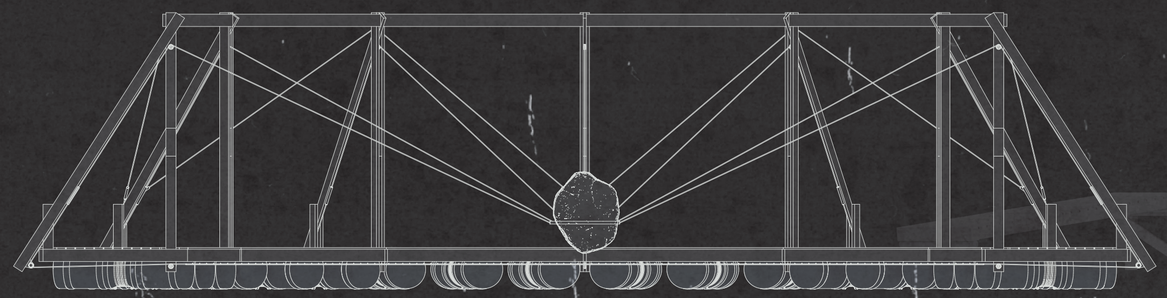
perspective



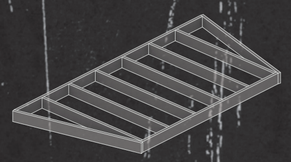
perspective

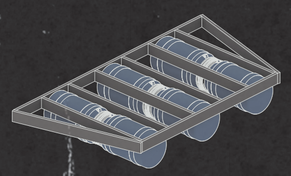


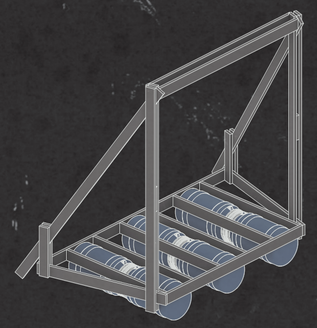
axonometry

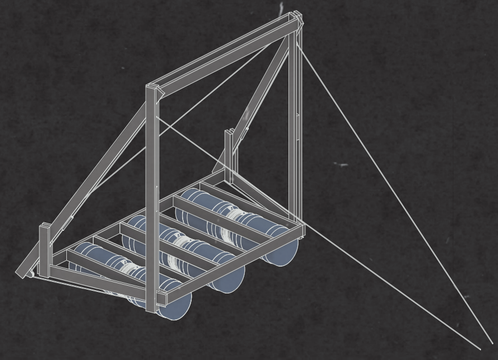


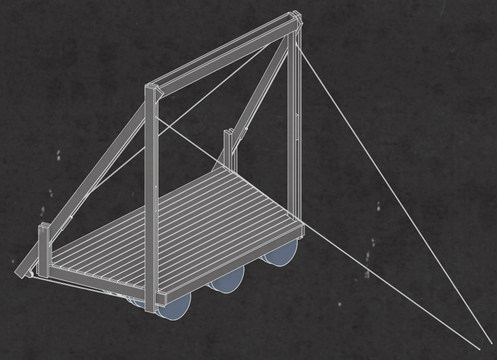
section





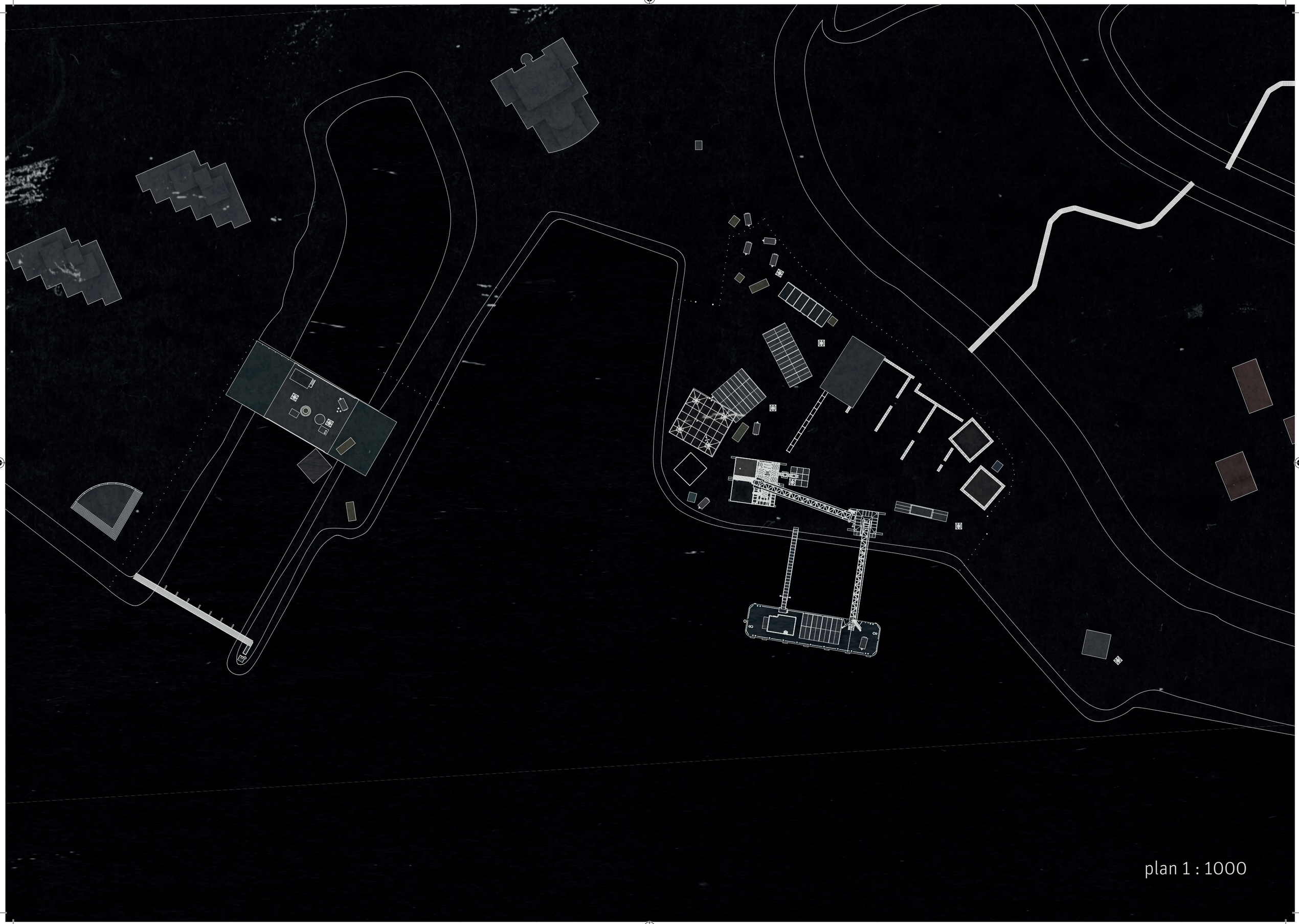






axonometry assemblage

wetland parliament



plan 1 : 1000

gate

silos

storage

conveyor belt

silo

conveyor belt

bridge

front desk

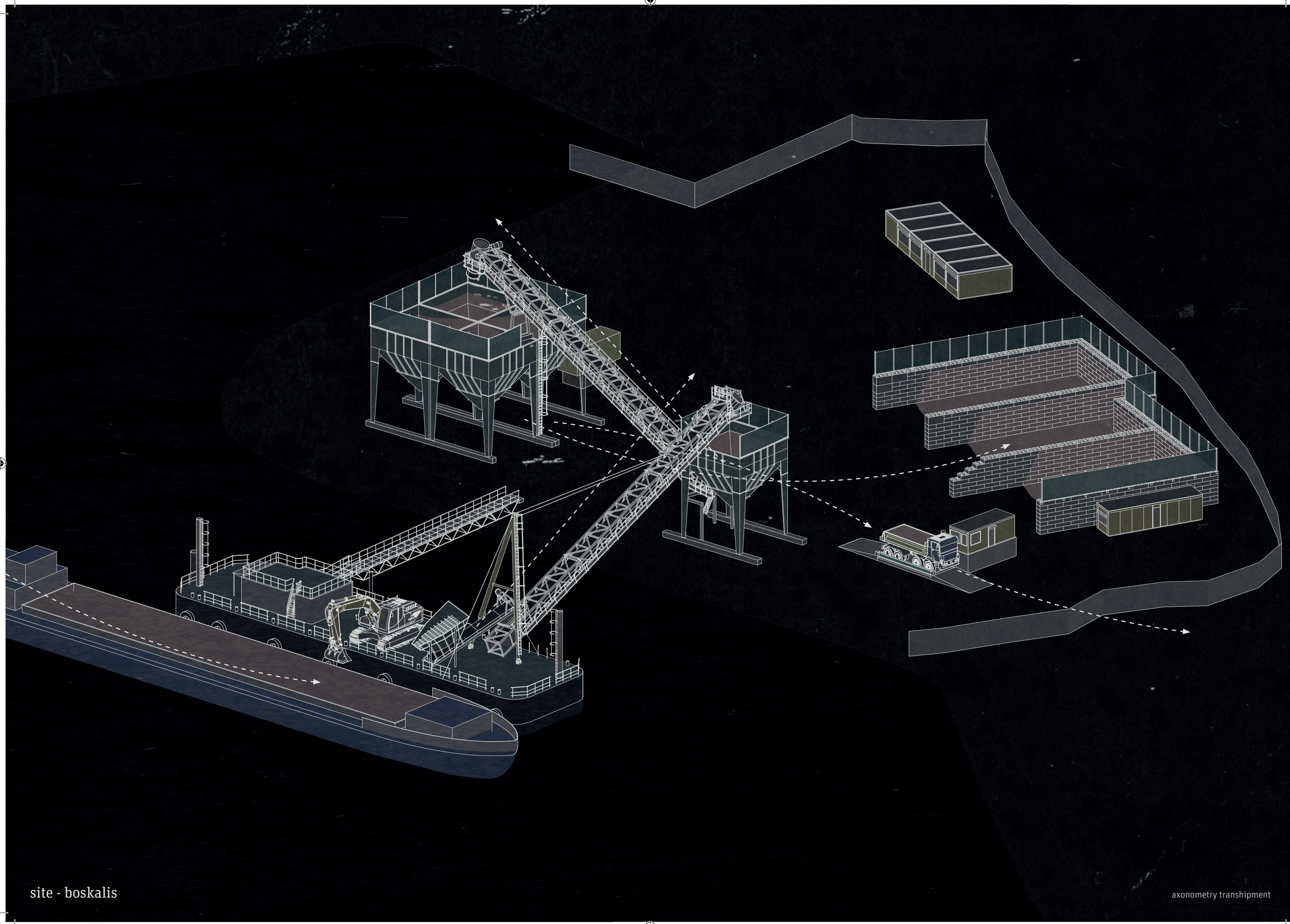
pontoon

scale

gate

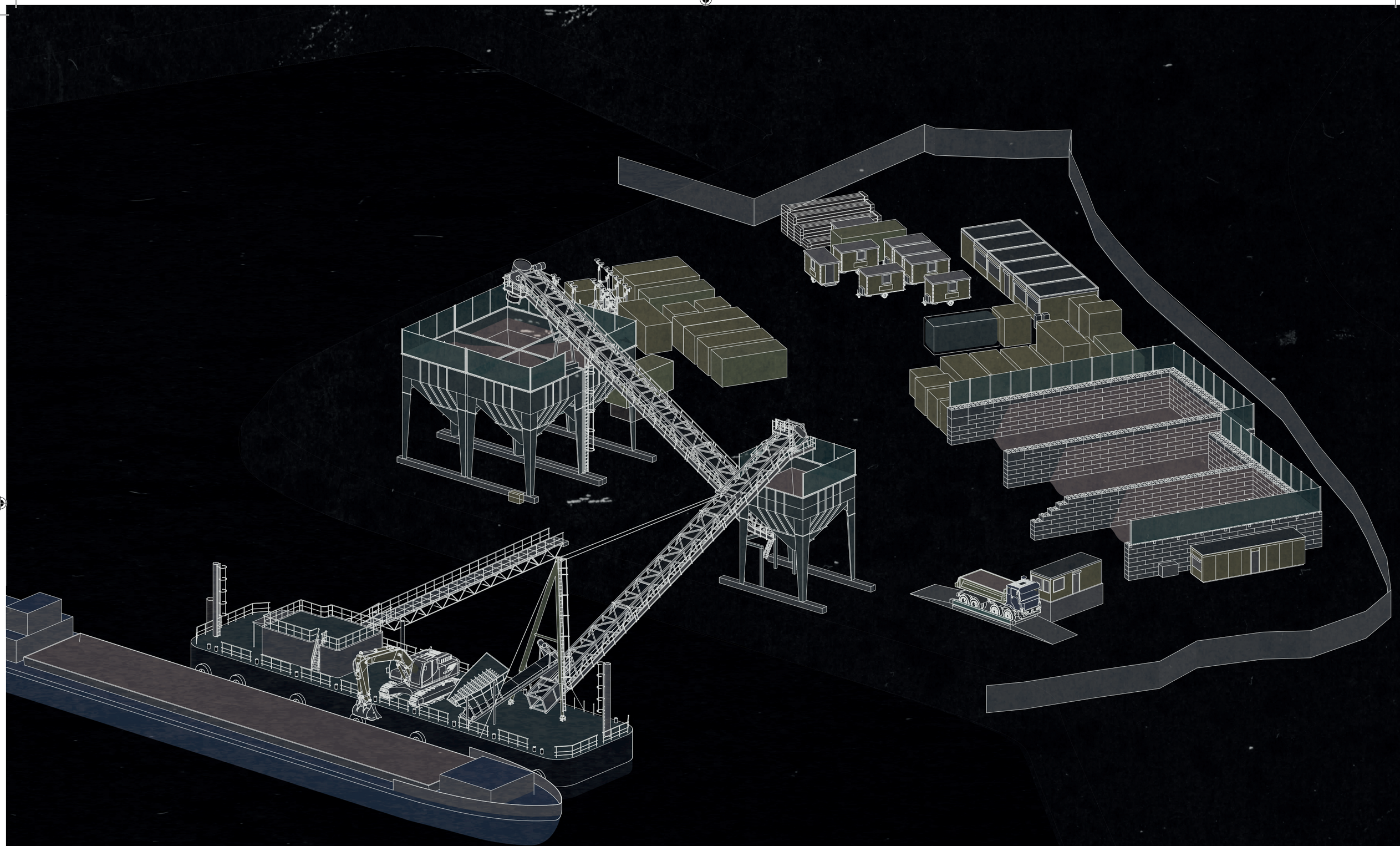
site - boskalis

axonometry transhipment



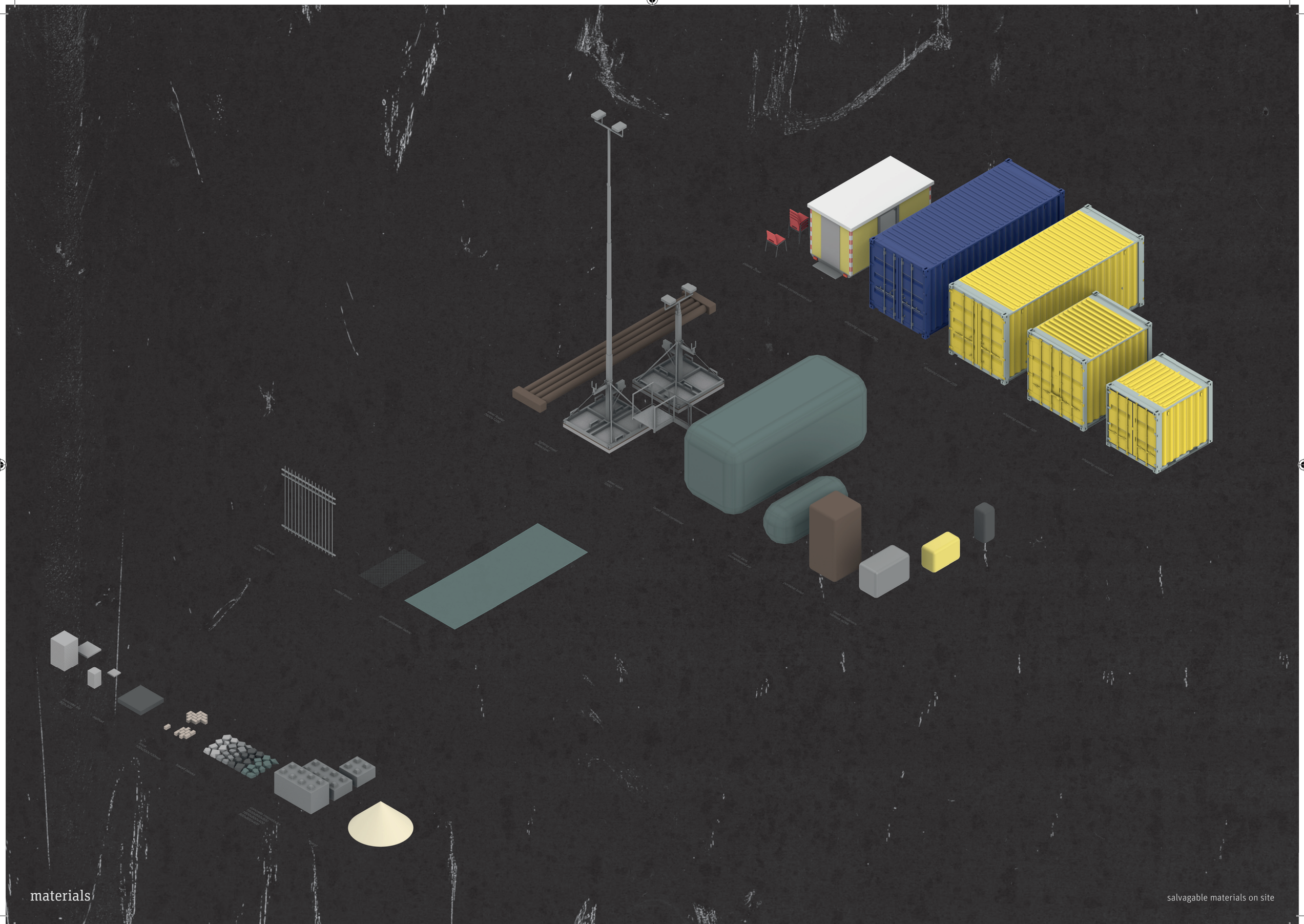
site - boskalis

axonometry transhipment



site - boskalis

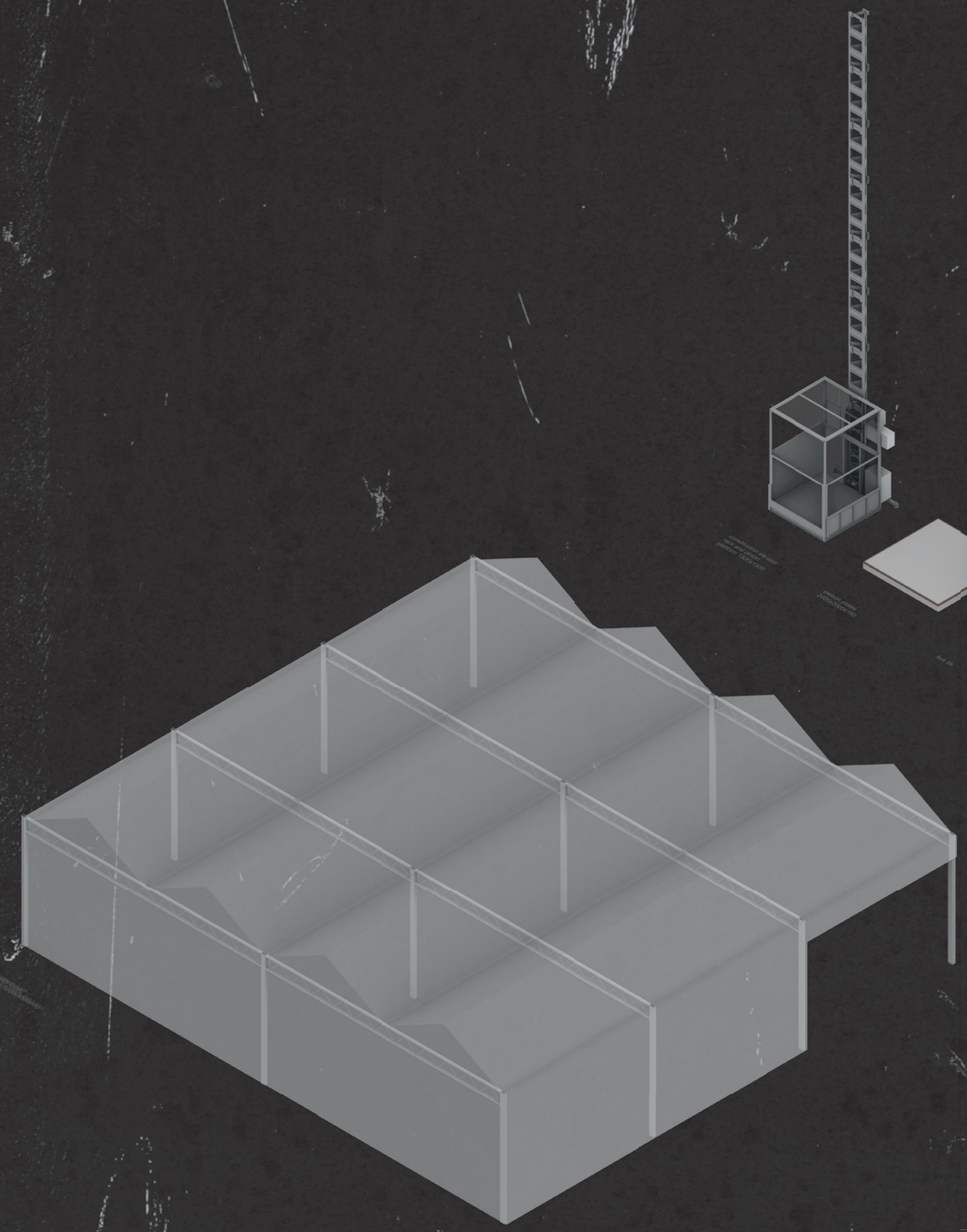
axonometry



materials

salvagable materials on site

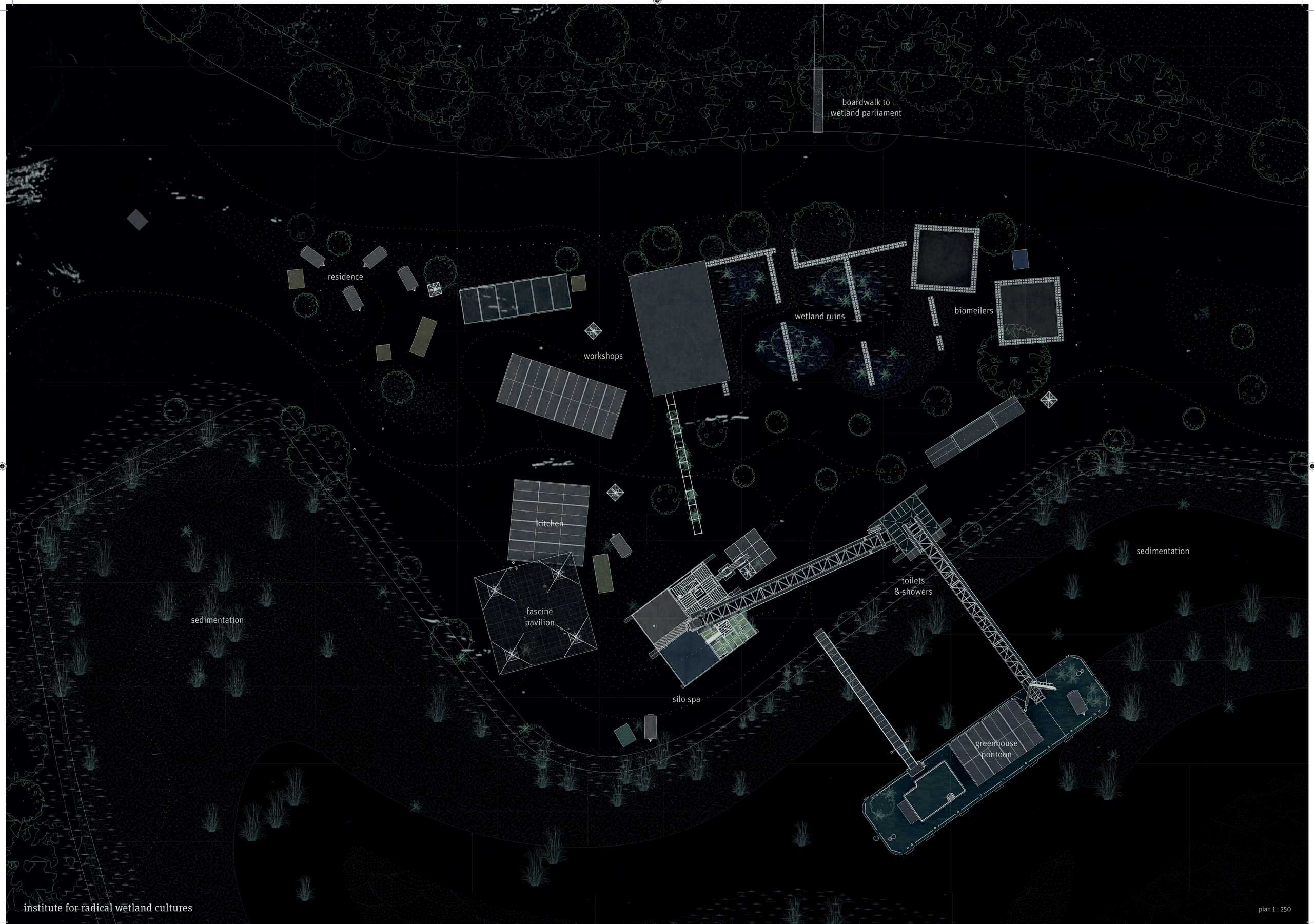
salvagable industrial products







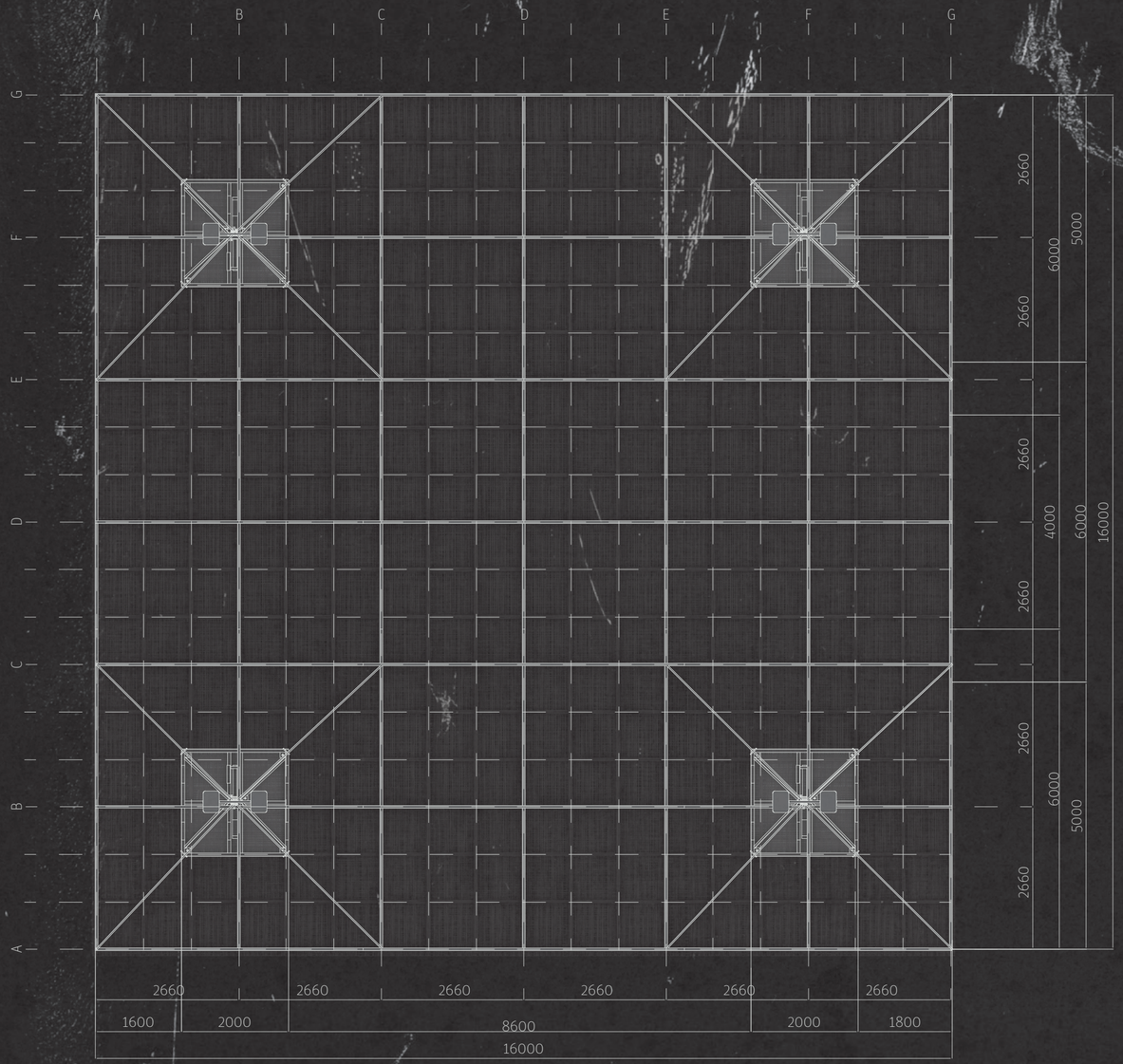
materials

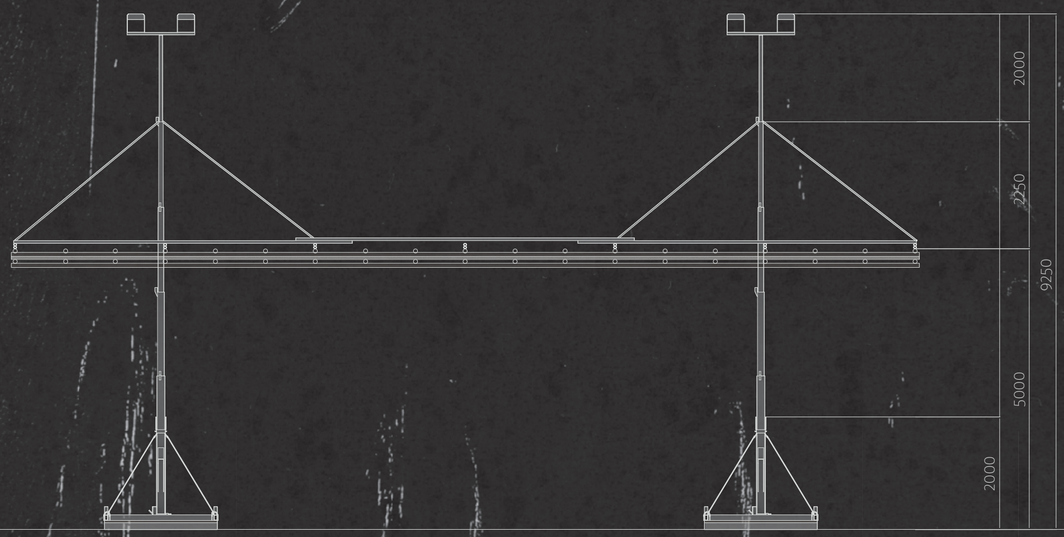


institute for radical wetland cultures

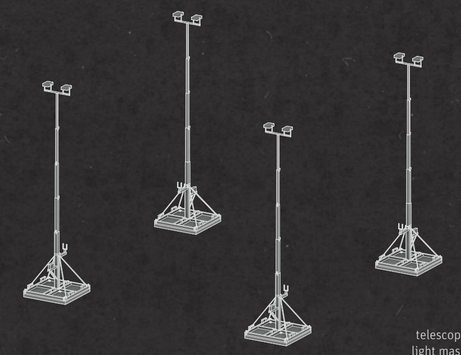
plan 1 : 250



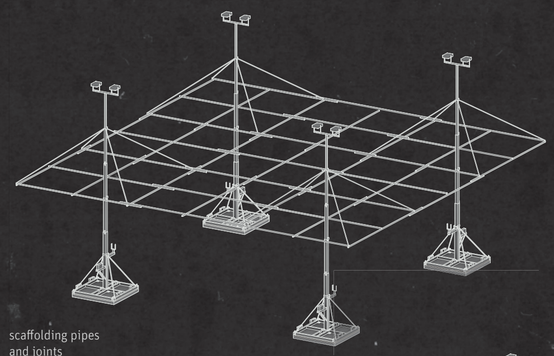




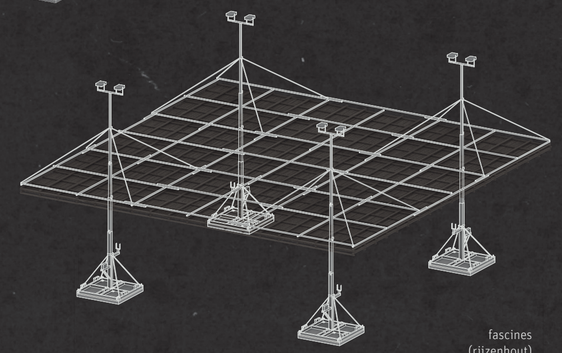
fascine canopy



telescopic
light masts



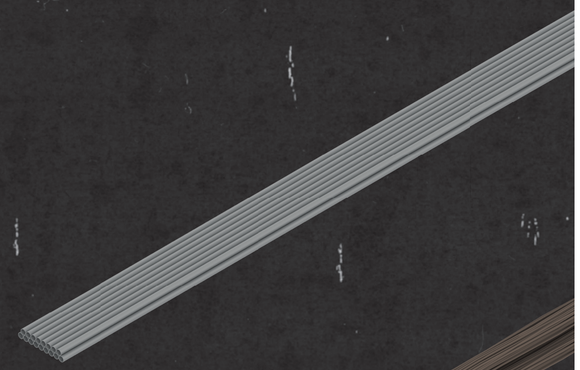
scaffolding pipes
and joints



fascines
(rijzenhout)



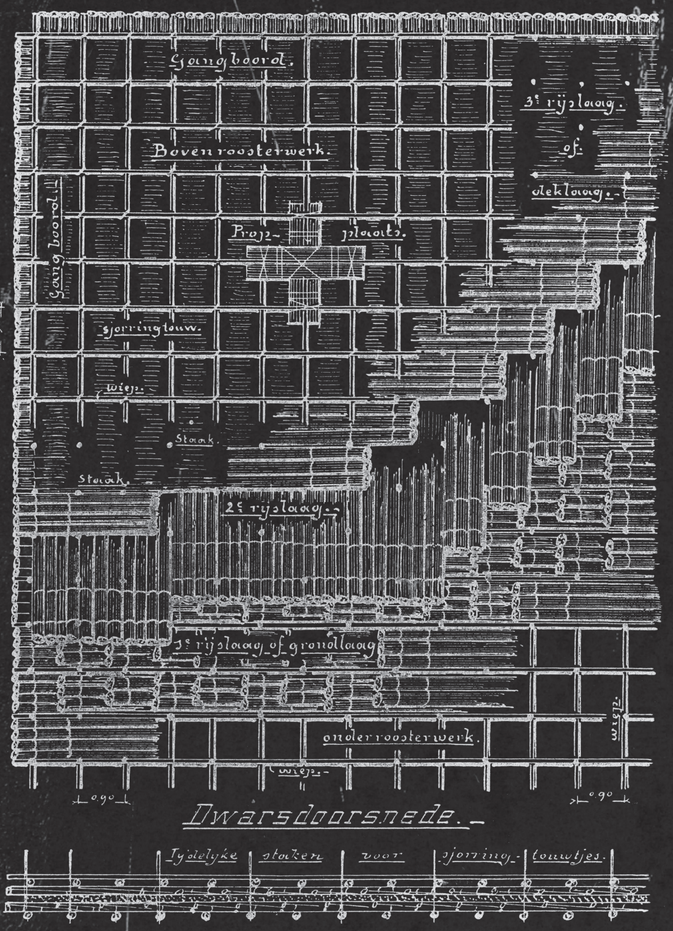
telescopic
light masts



scaffolding pipes
and joints



fascines
(rijzenhout)





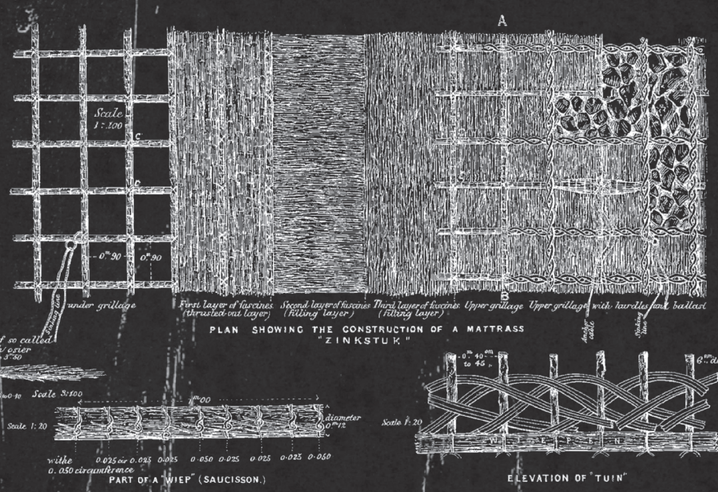


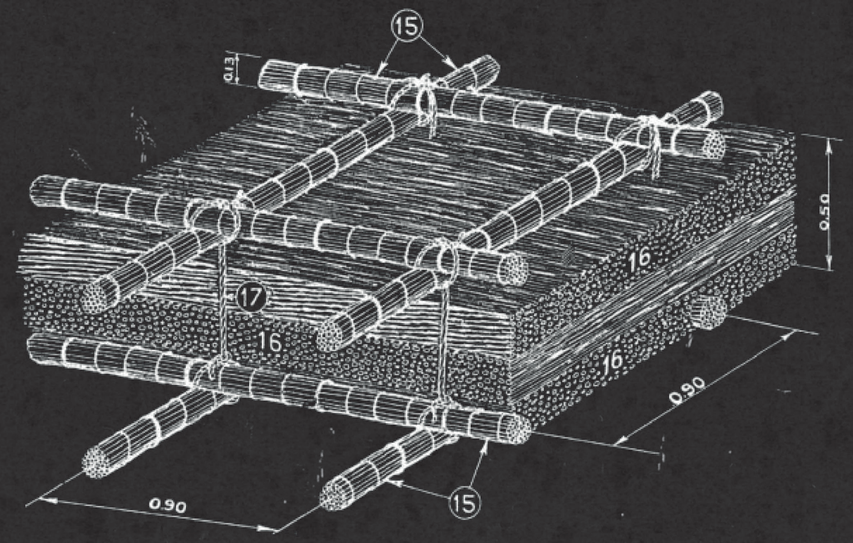








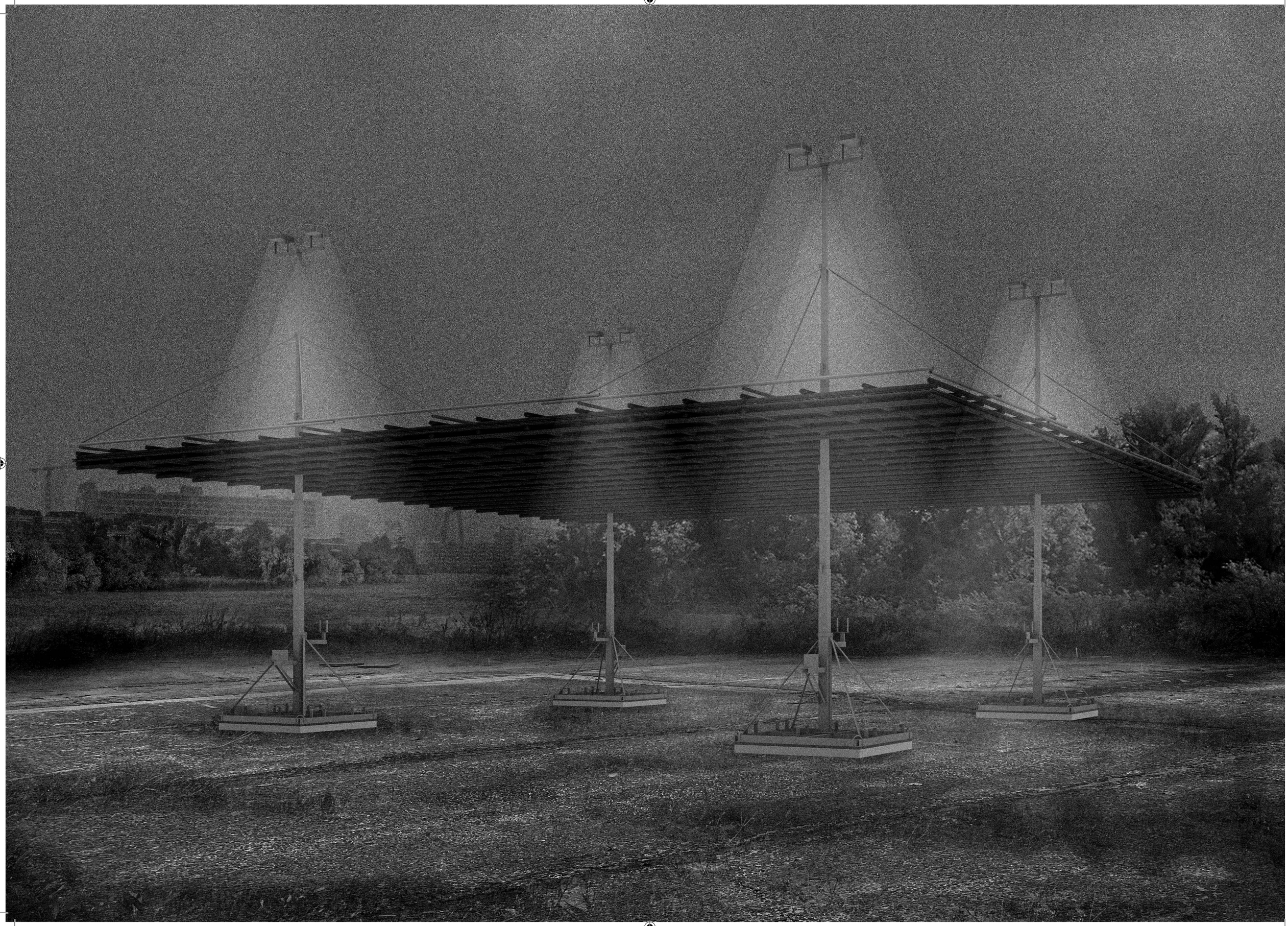




Schematische voorstelling van rijzenbed.

Verklaring:

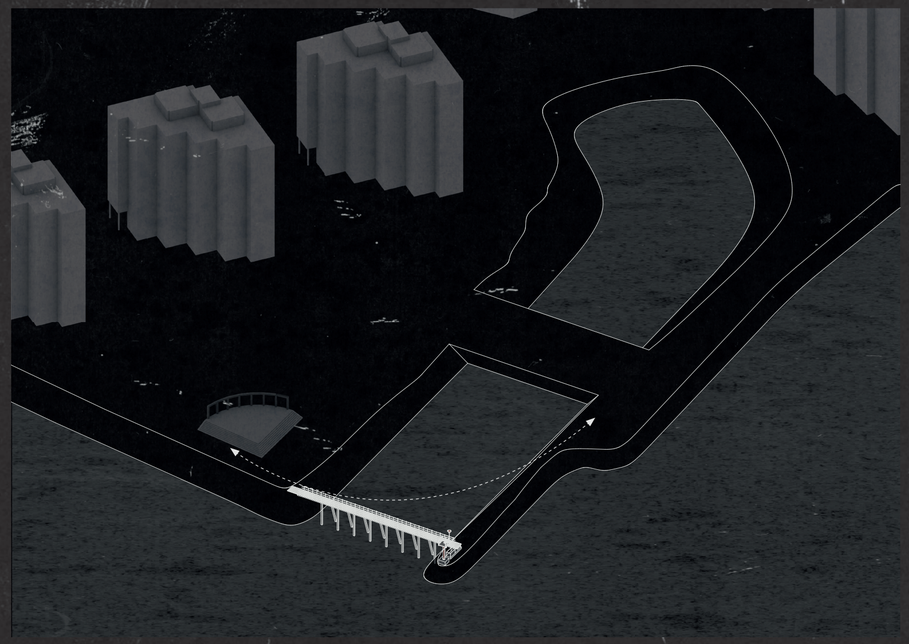
15. Onder- en boven-roosterwerk van wiepen.
16. Rijshoutvulling.
17. Sjorring-touwen.






bescherm
De Esch!

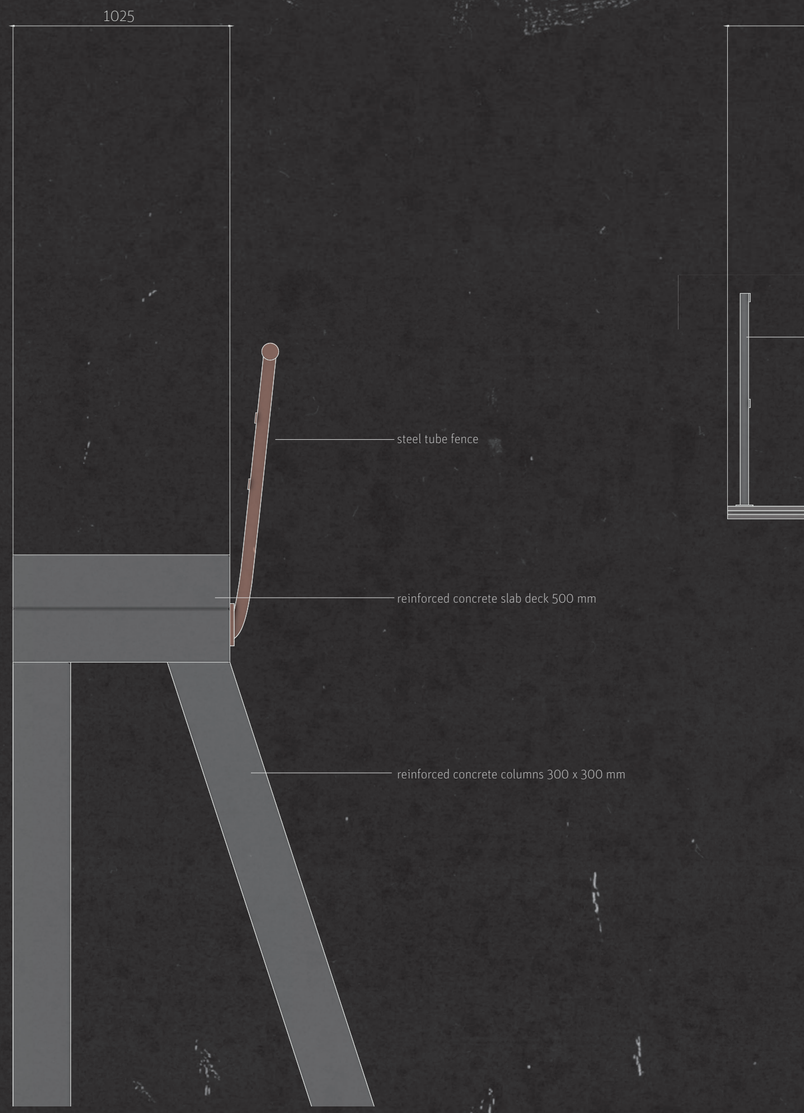




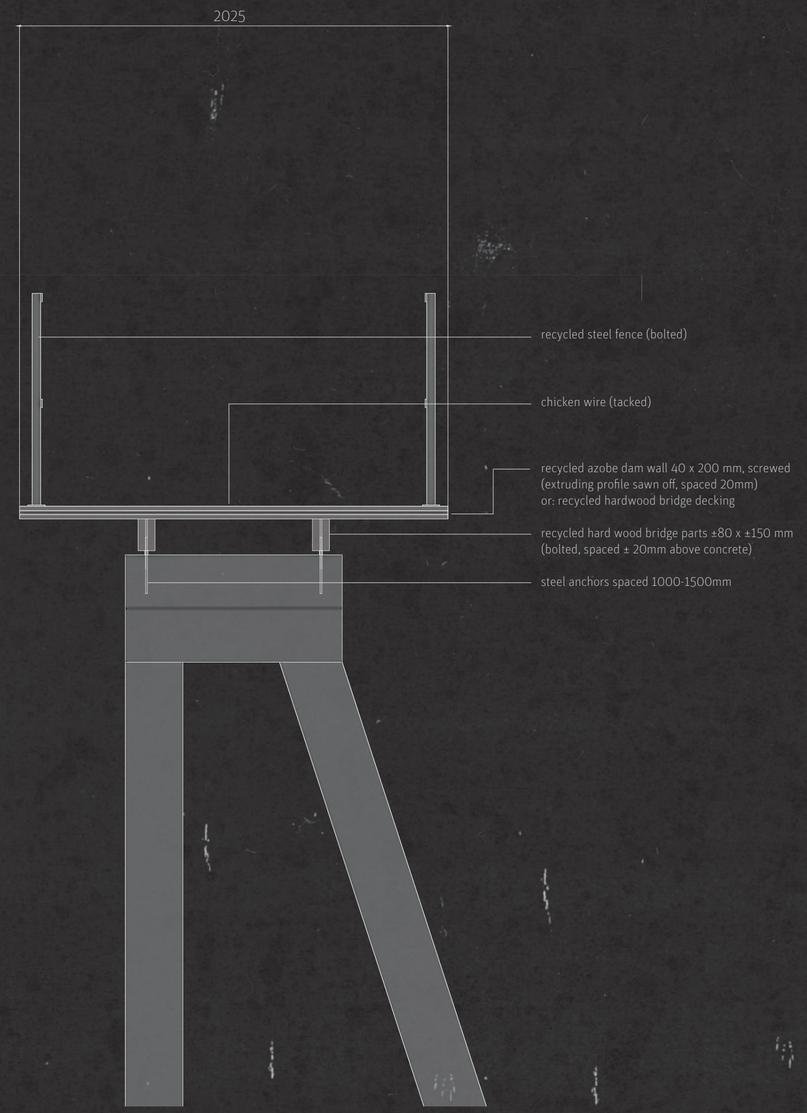
axonometry



plan 1 : 1000



current section 1 : 20



proposed section 1 : 20

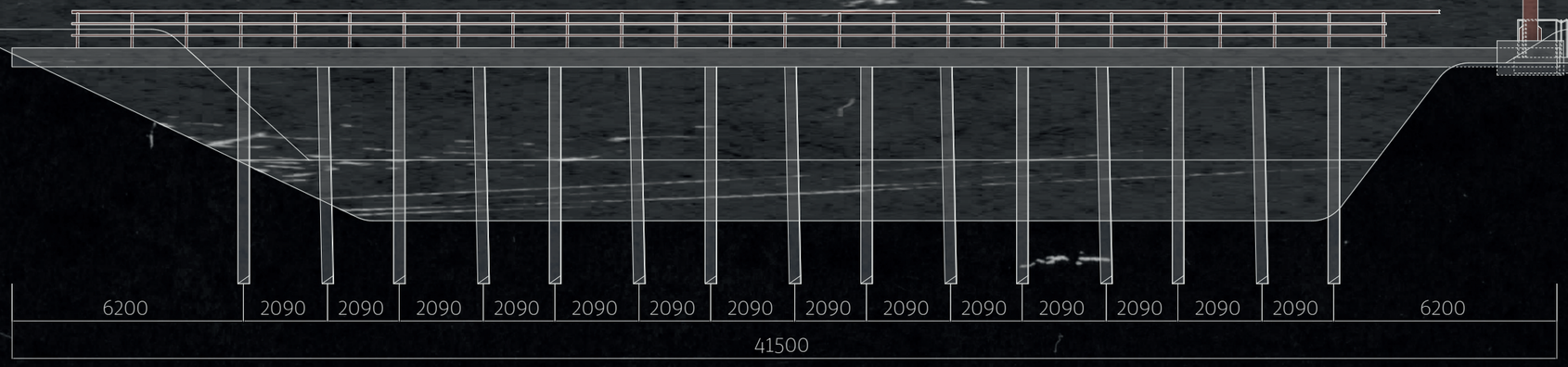






bridge repair

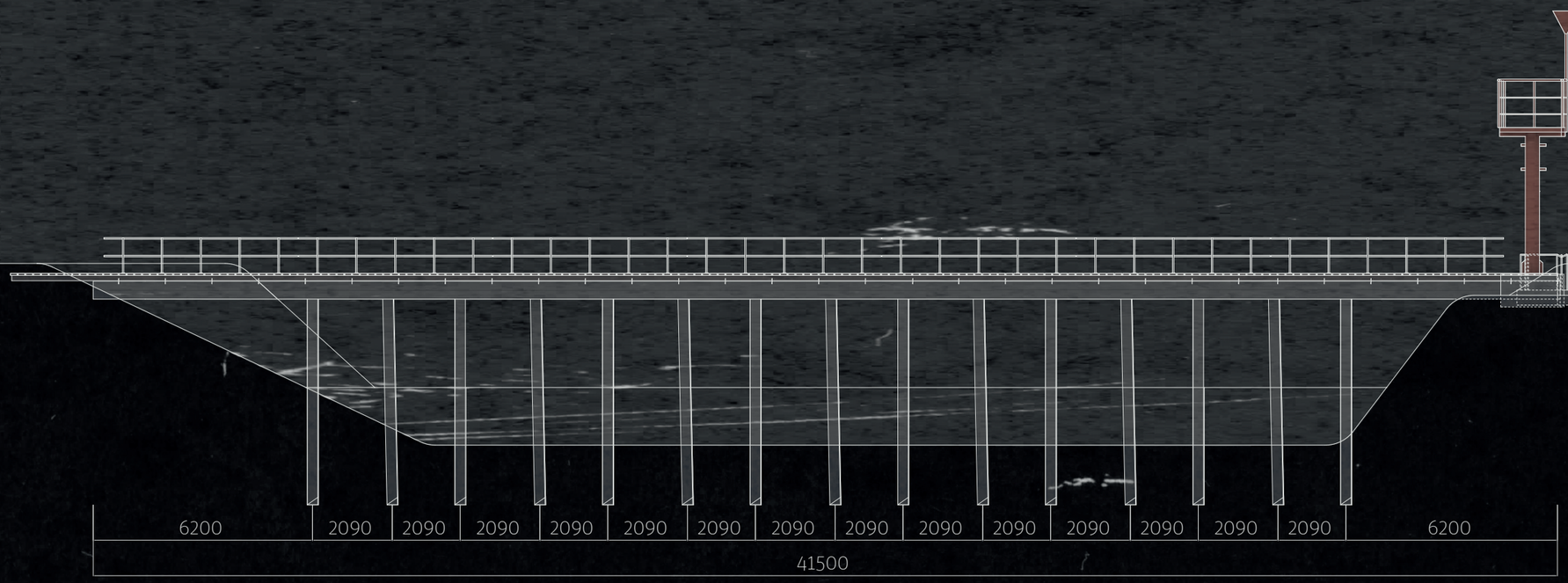
current plan 1 : 150



bridge repair

current section 1 : 150

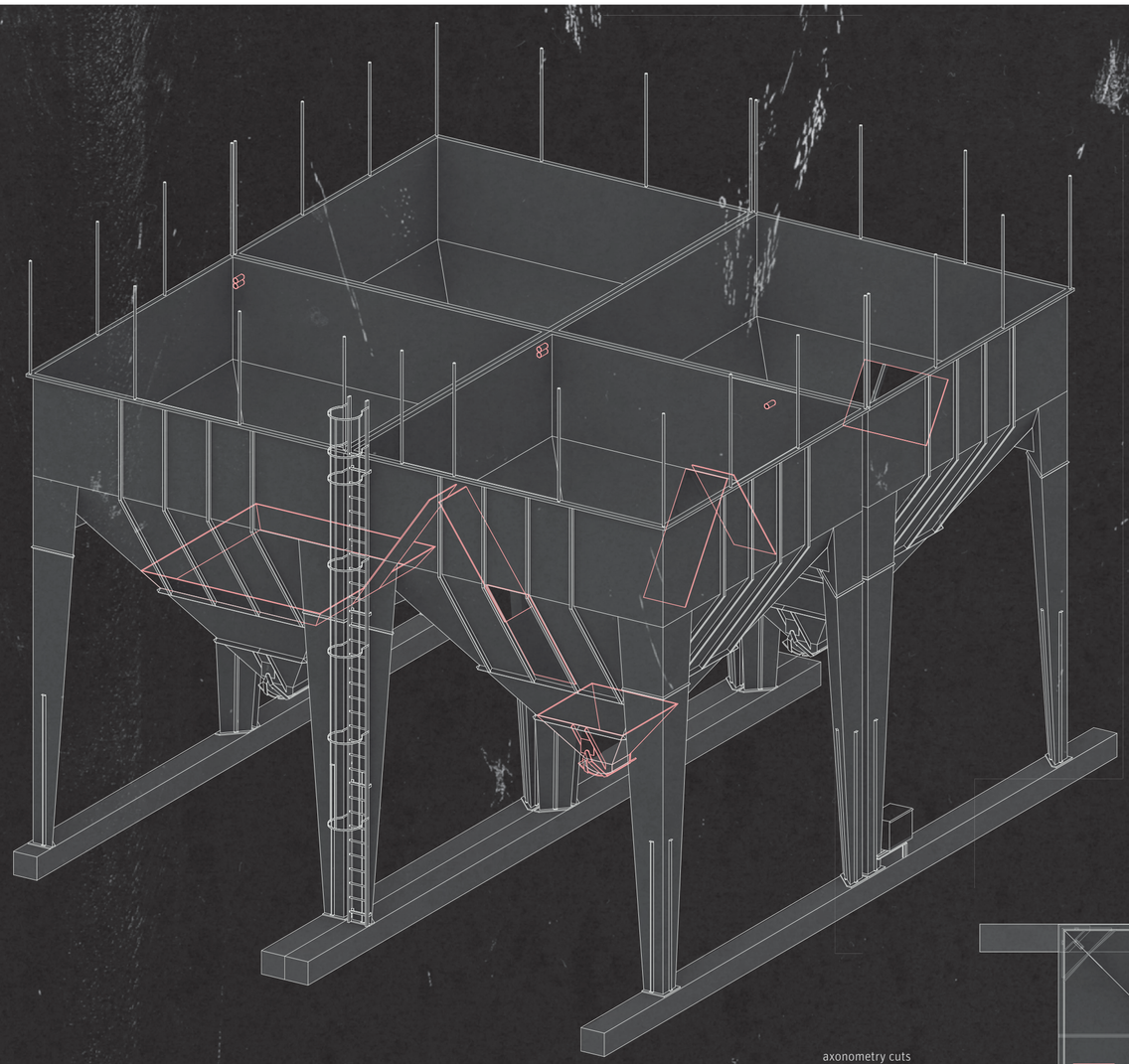
proposed plan 1 : 150



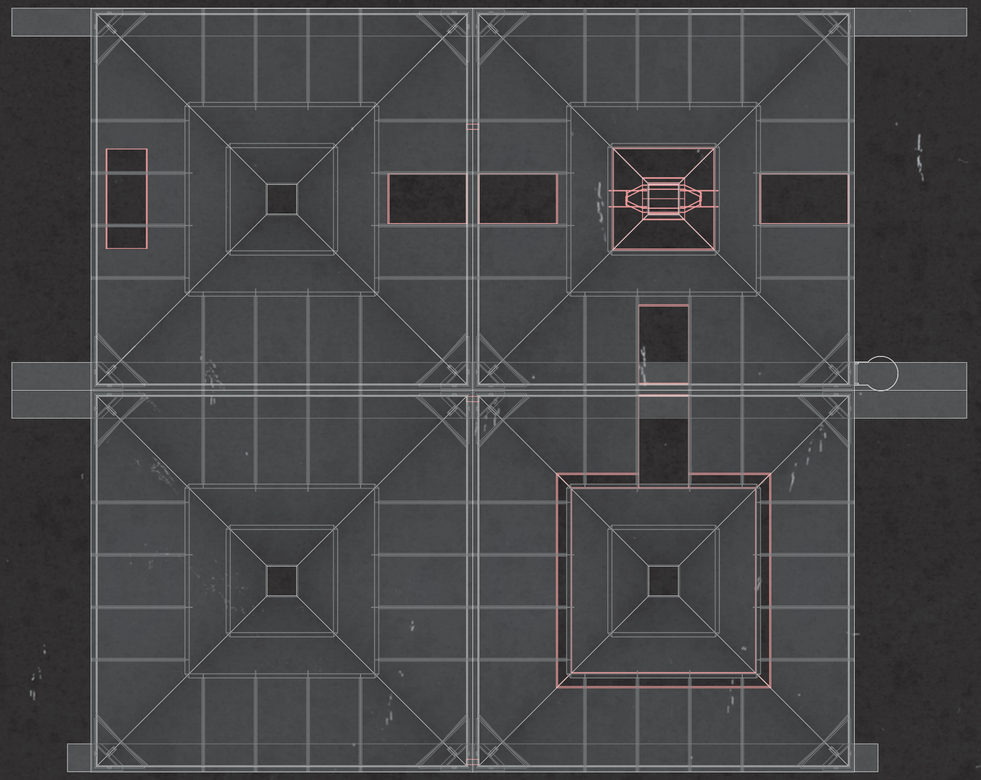
bridge repair

proposed section 1 : 150





axonometry cuts



plan cuts

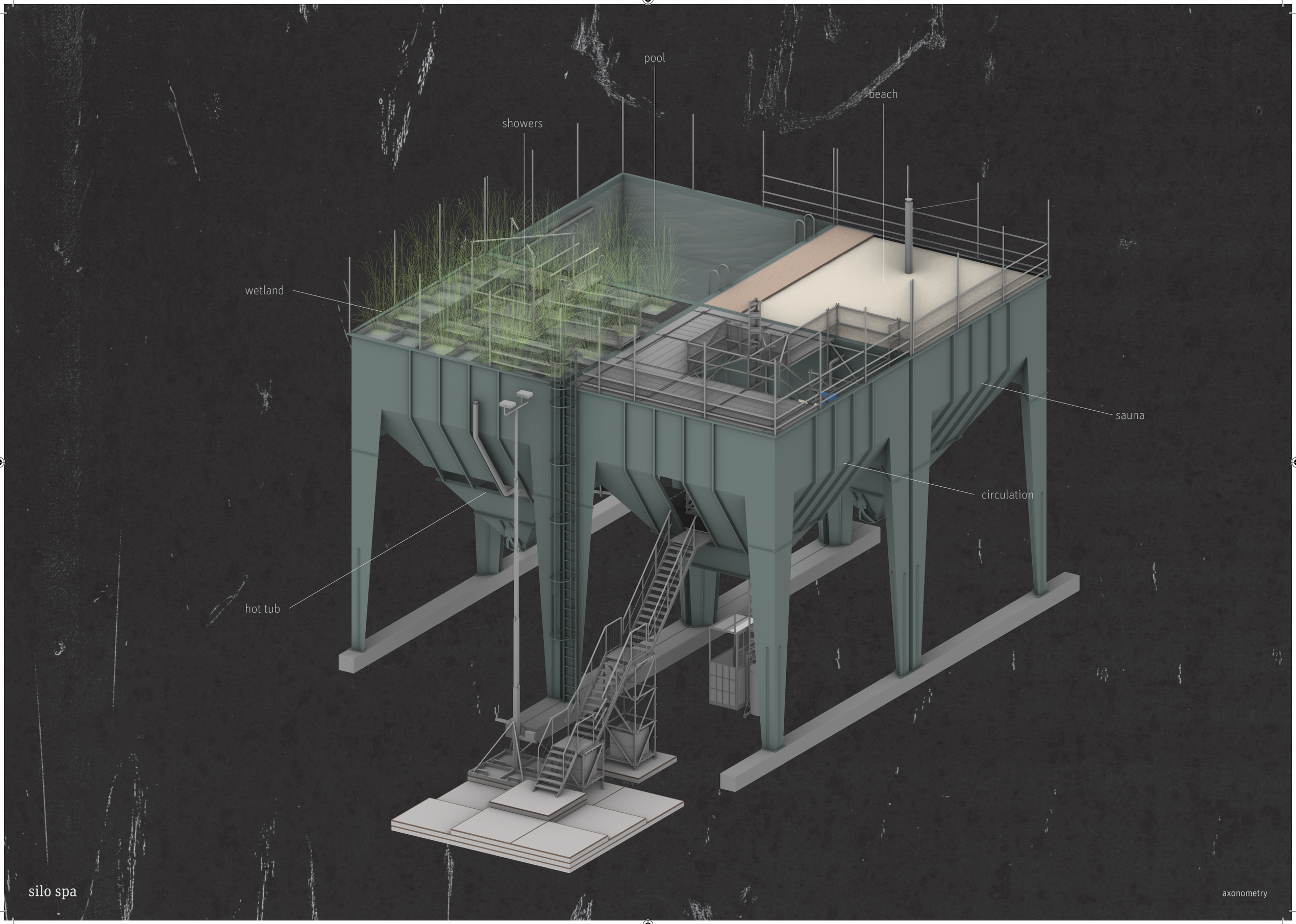






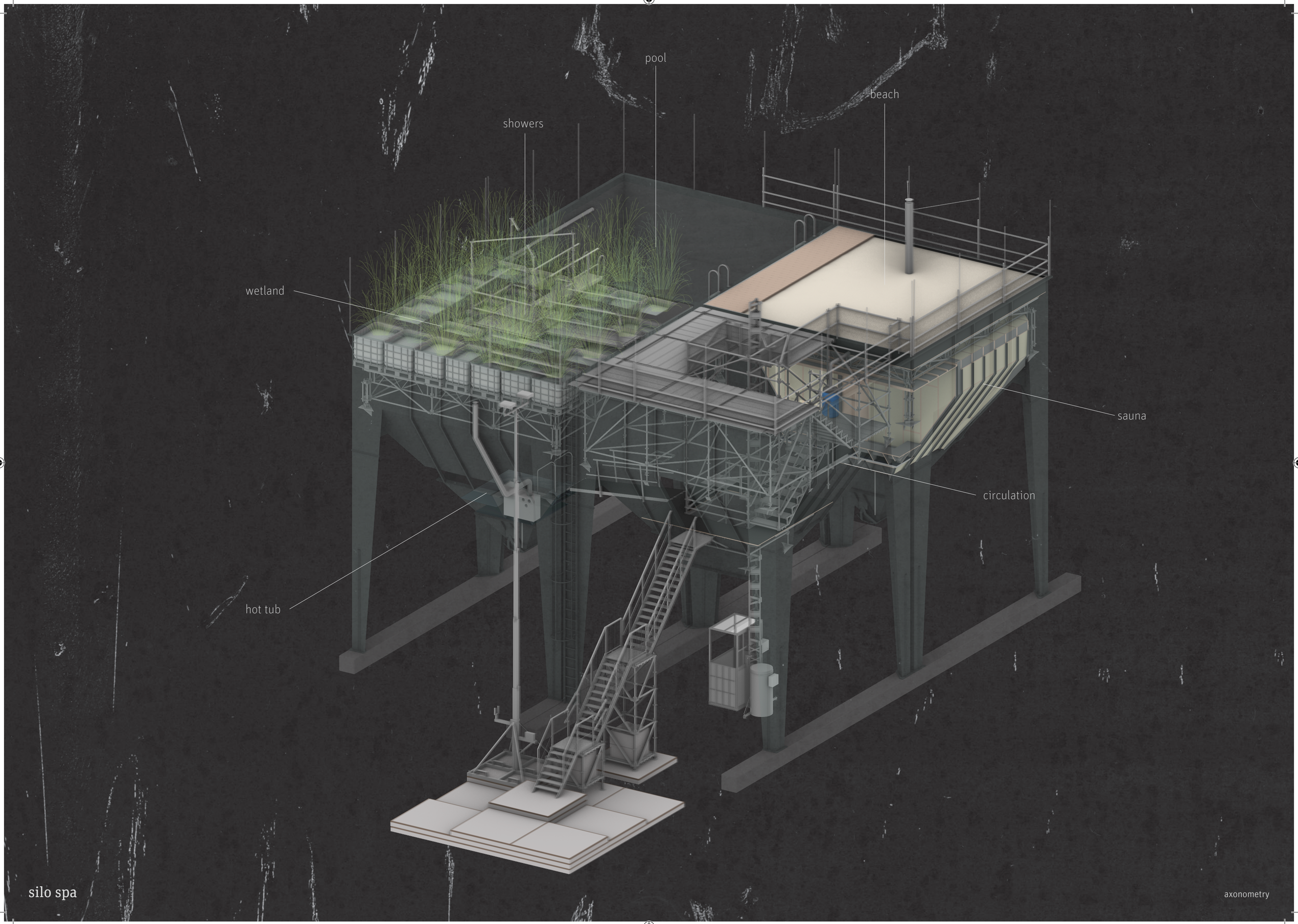
photographs site

silo spa



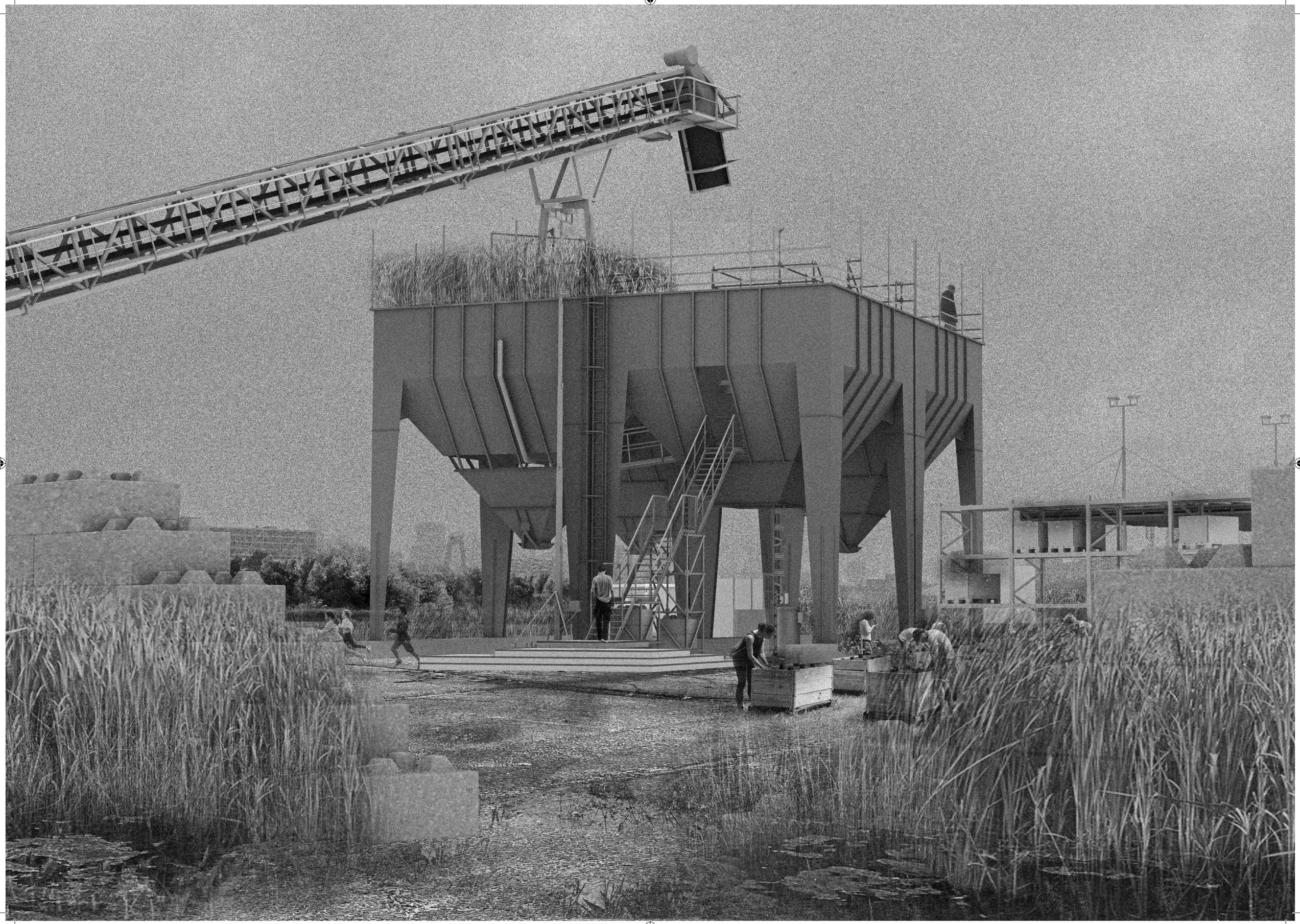
silo spa

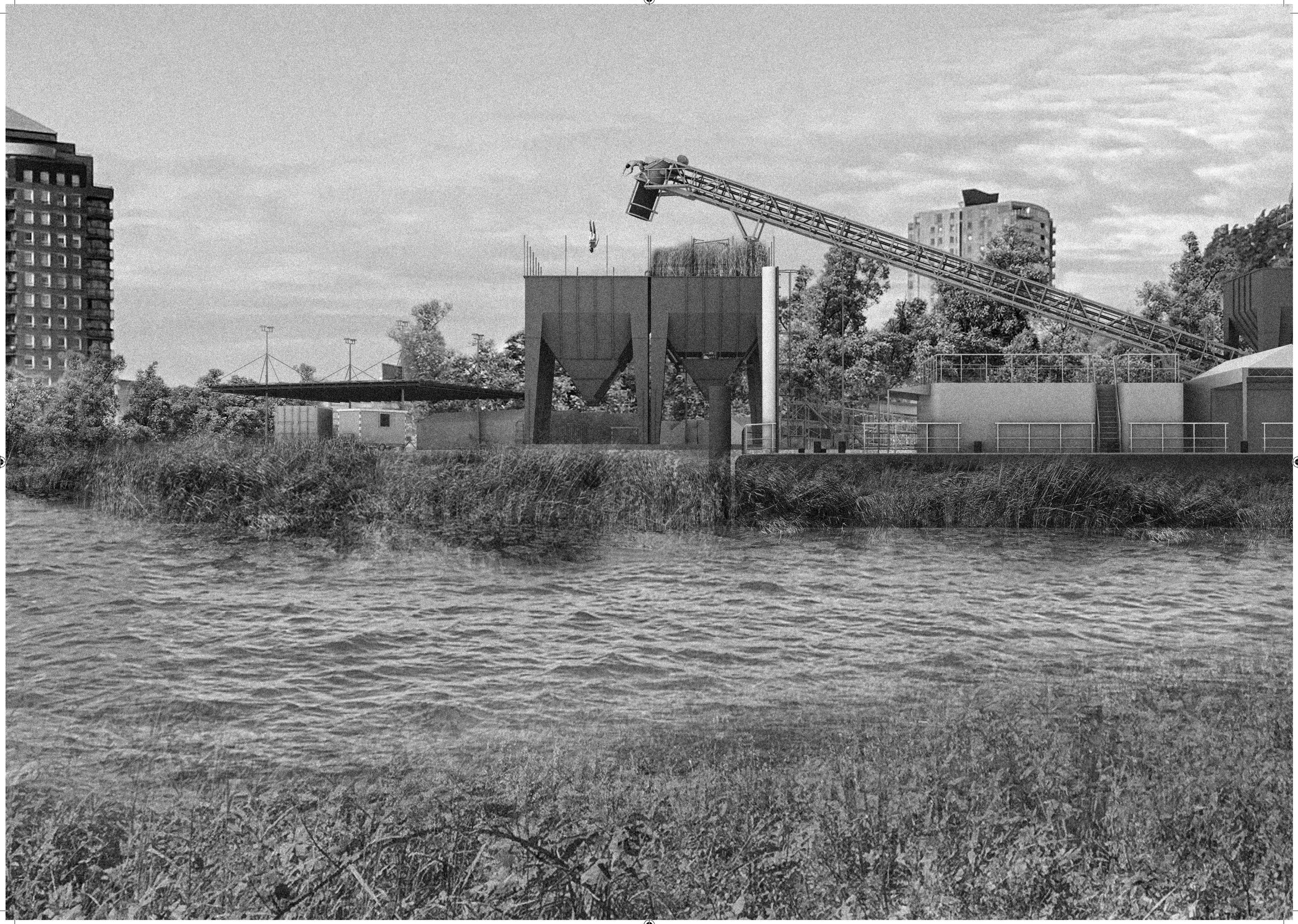
axonometry

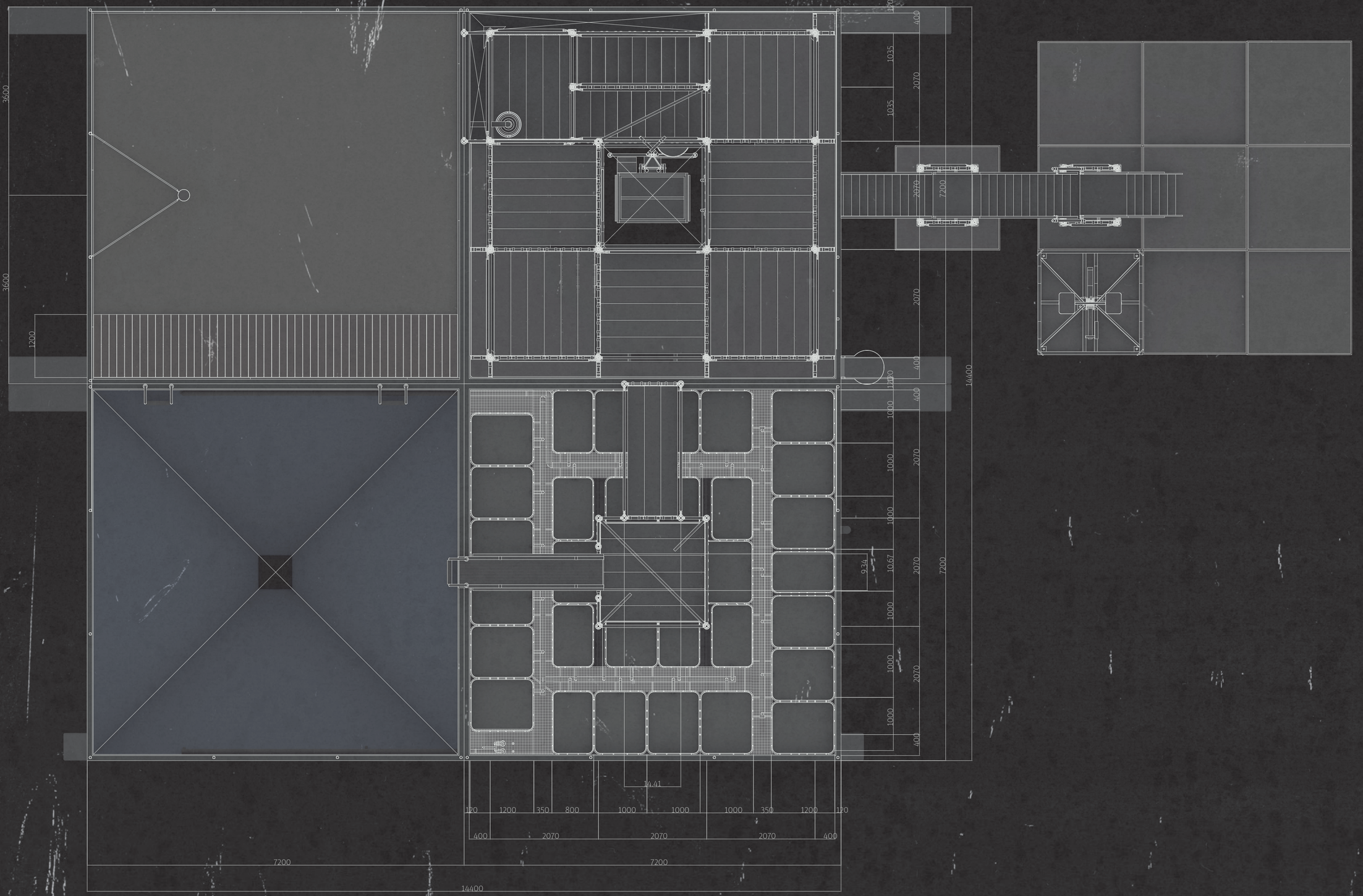


silo spa

axonometry

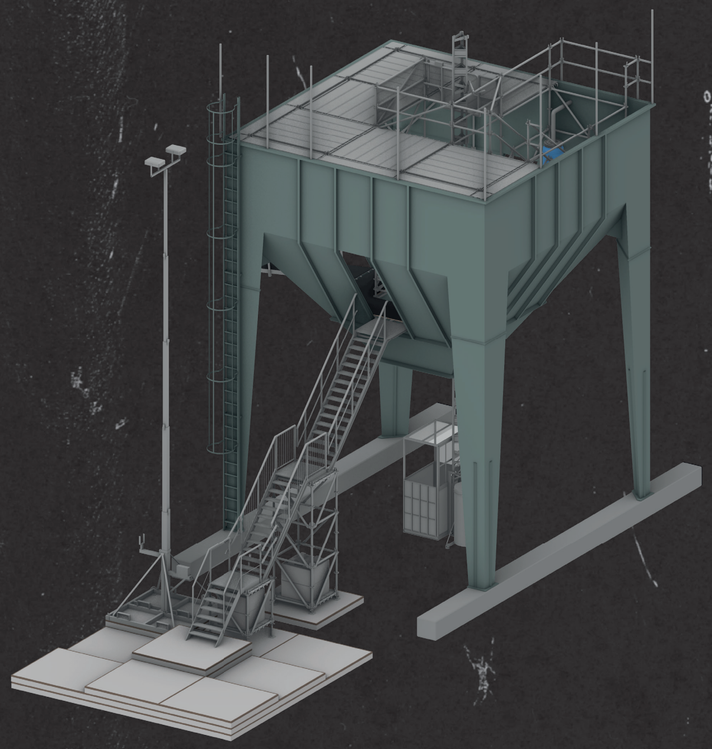






silo spa

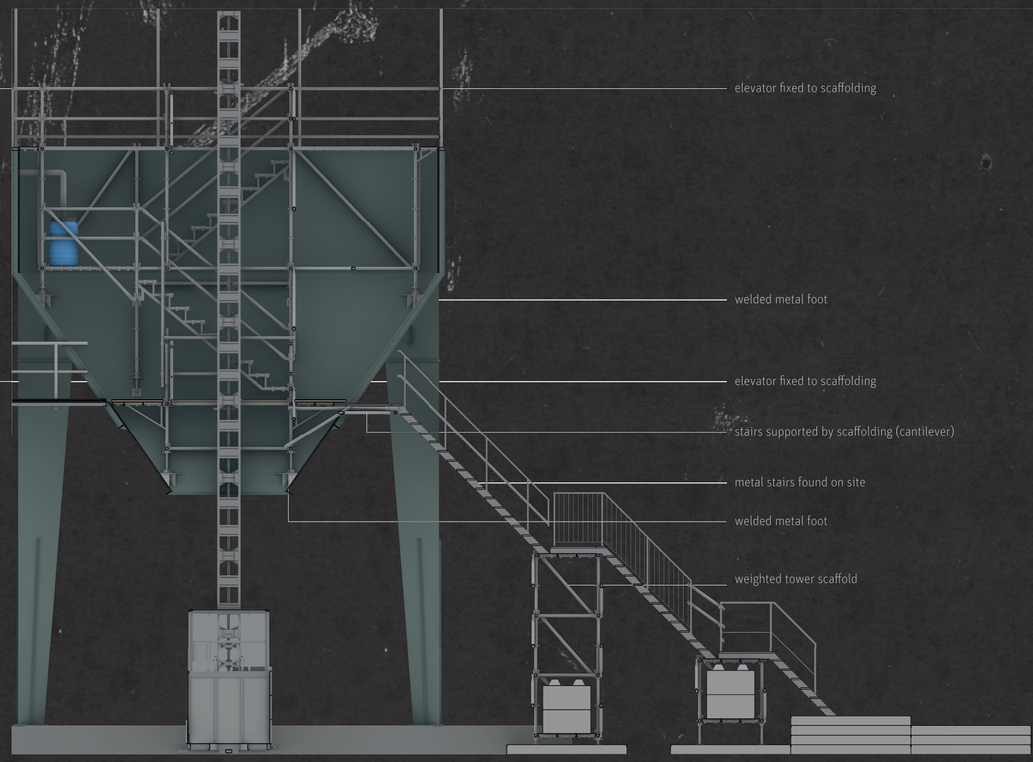
plan level 2 - 1 : 50



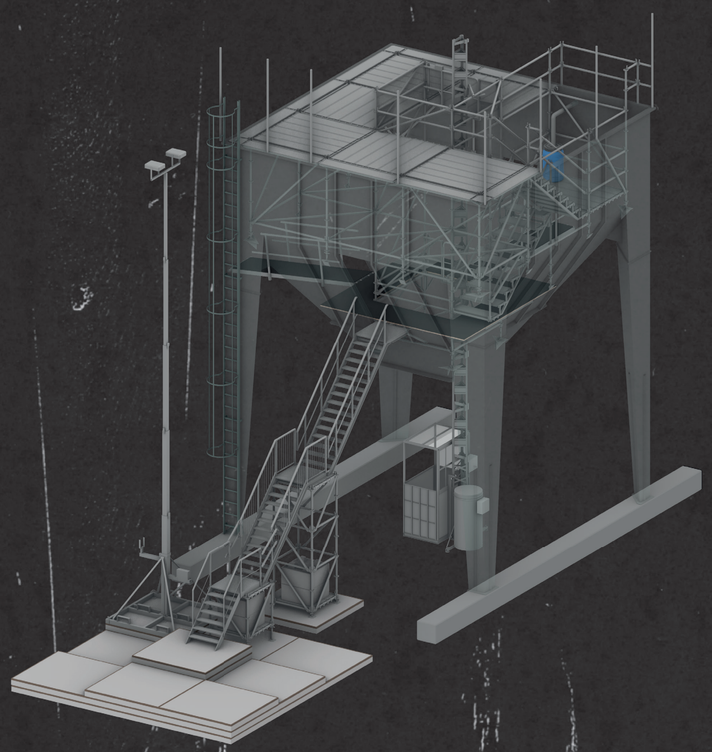
axonometry



west section

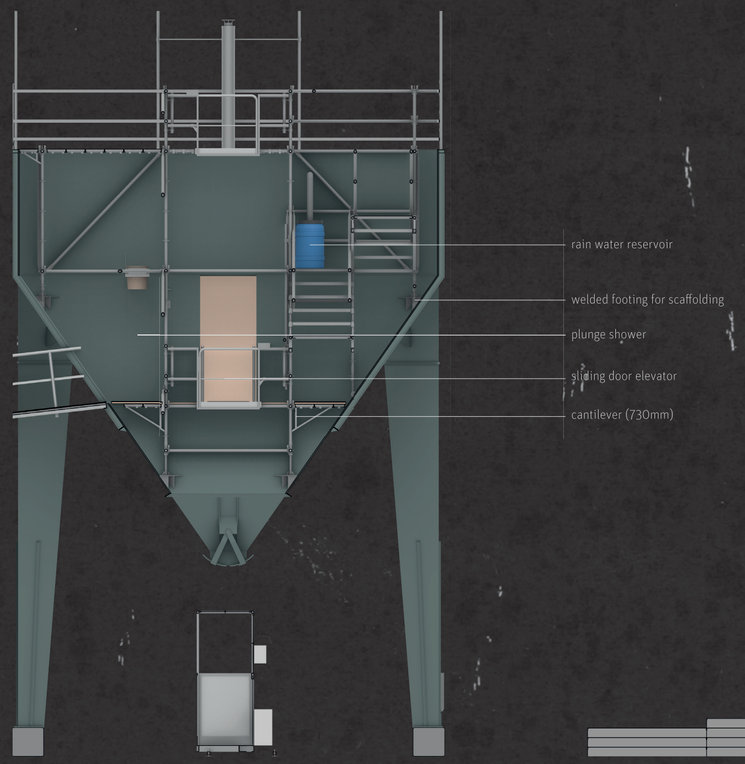


south section

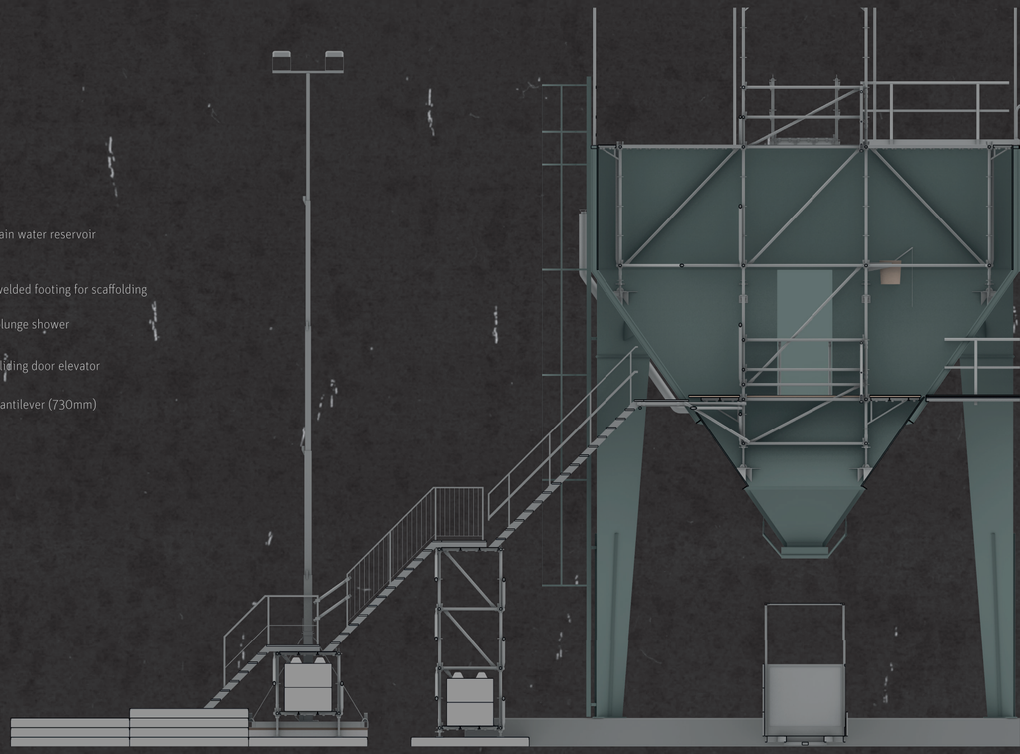


axonometry

silo spa - circulation



east section



north section



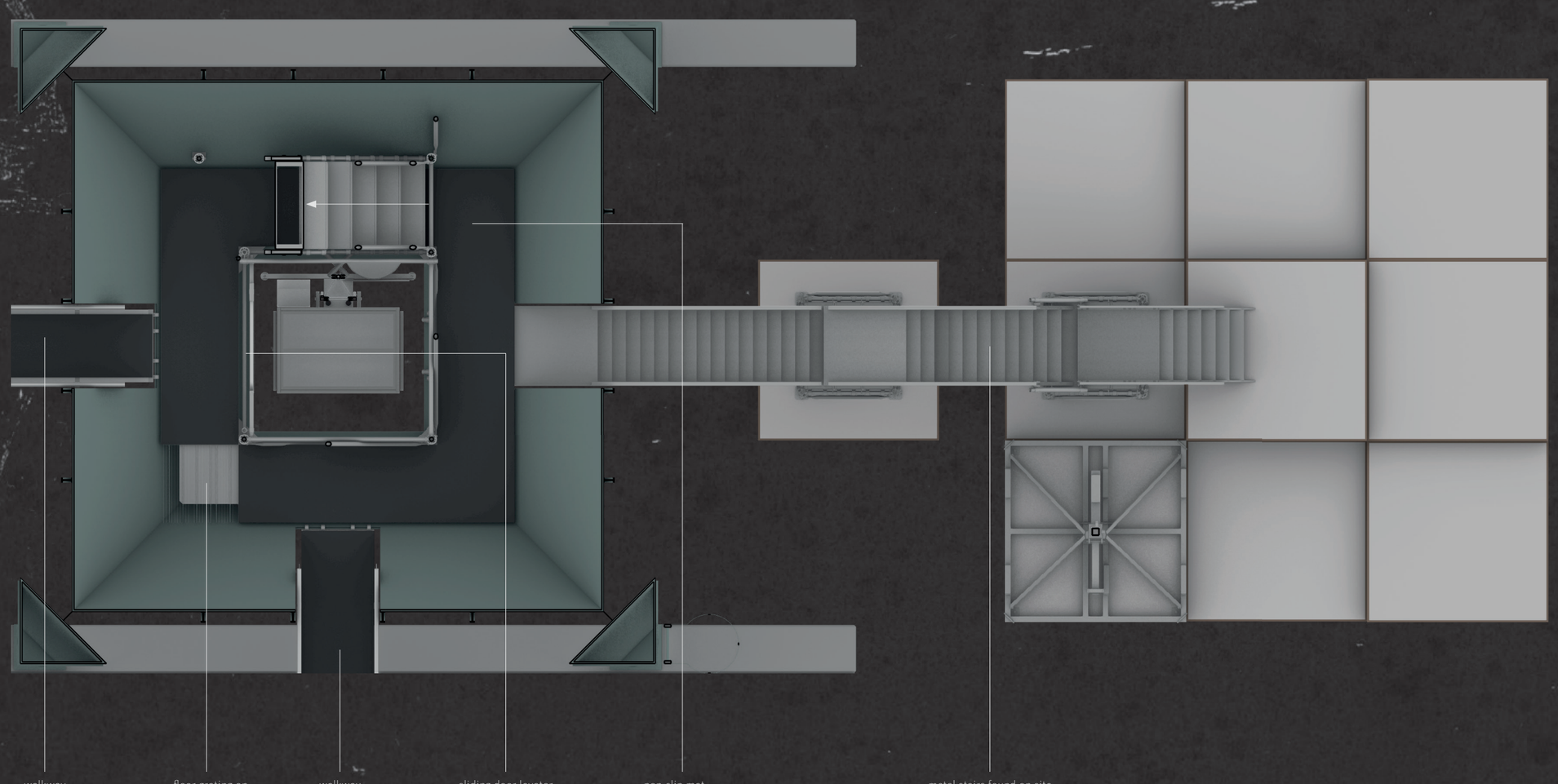
sliding door elevator

cantilever
390mm

perforated metal scaffold flooring
2070mm x 320mm

corner console
390mm x 390mm

plan second floor



walkway
800mm wide

floor grating on
cantilever corner
730mm x 730mm

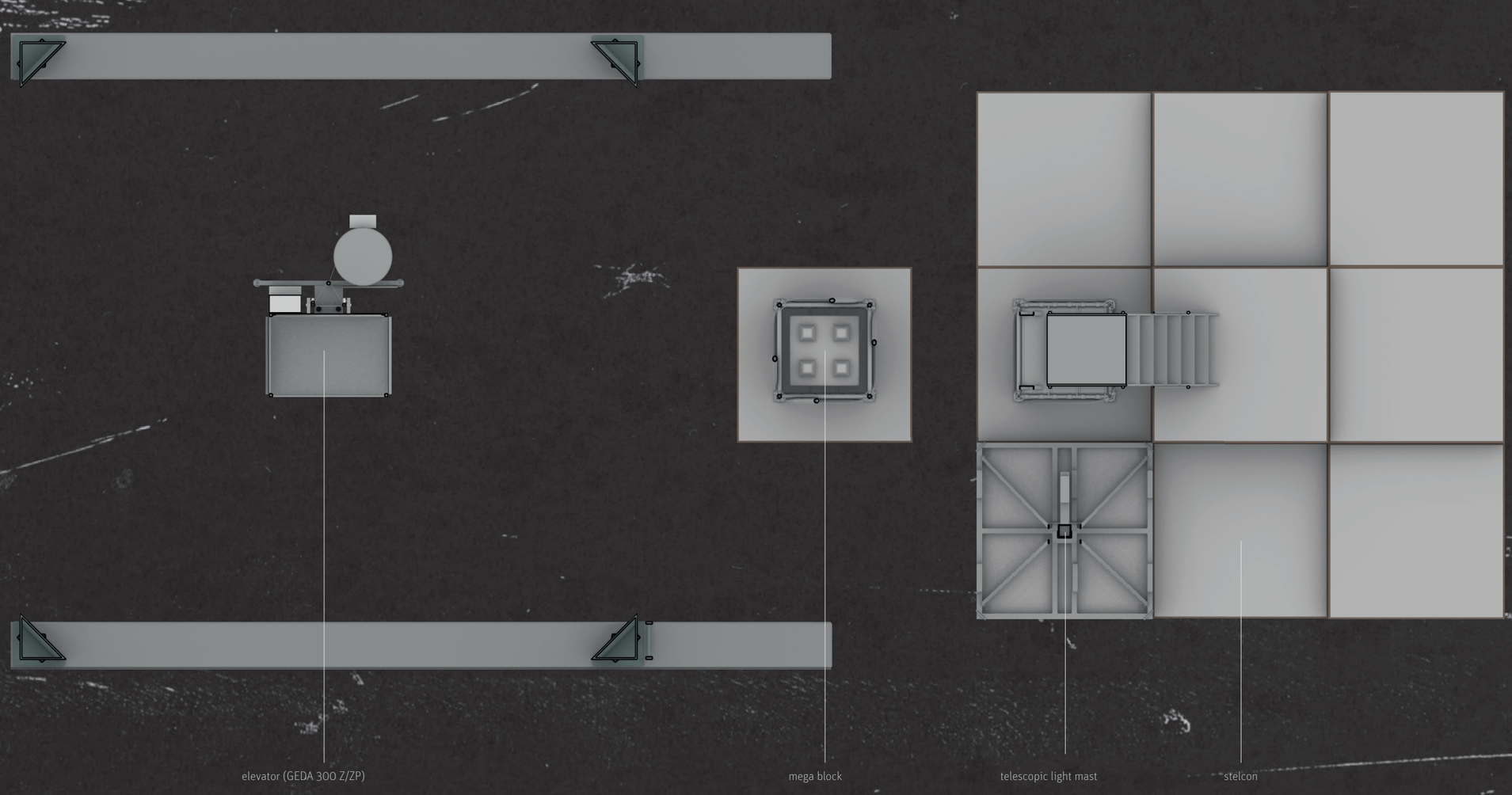
walkway
800mm wide

sliding door levator

non-slip mat

metal stairs found on site

plan first floor



elevator (GEDA 300 Z/ZP)

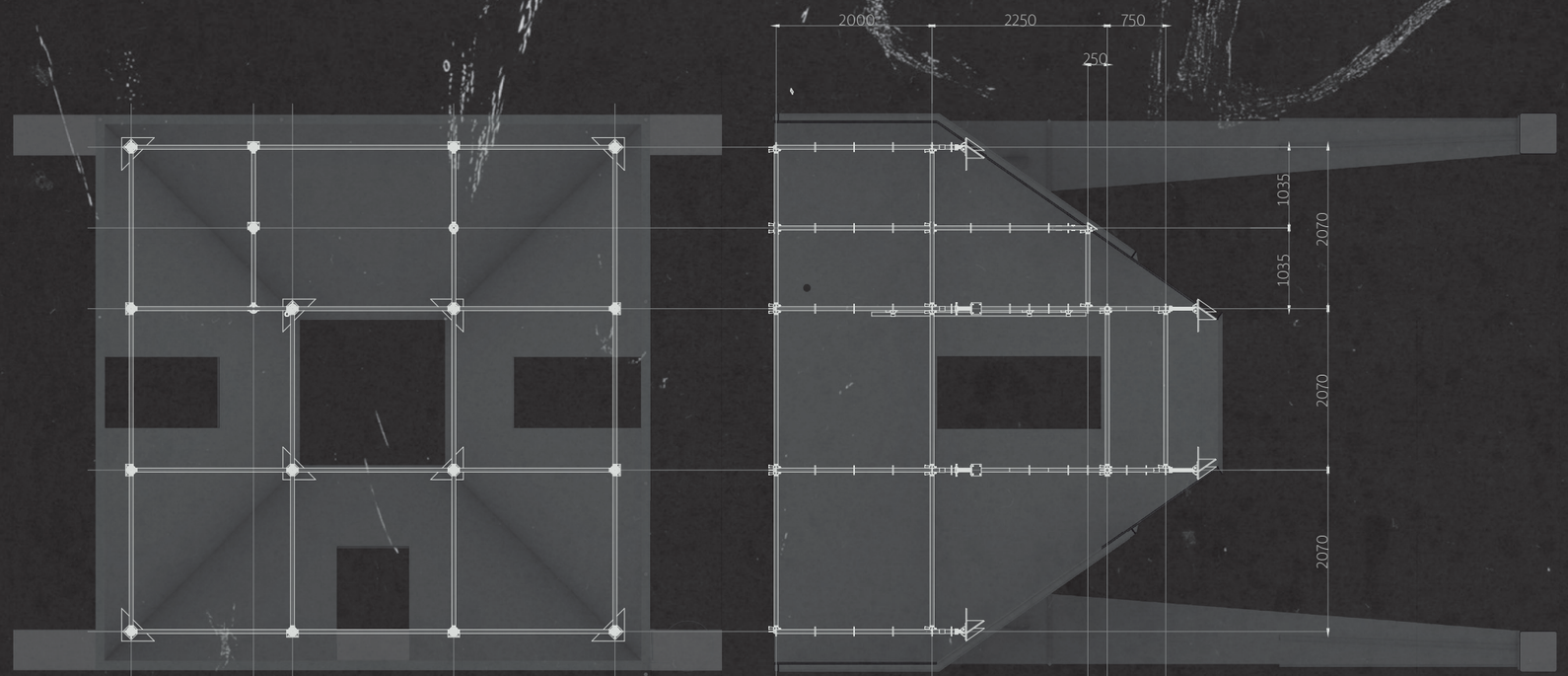
mega block

telescopic light mast

stelcon

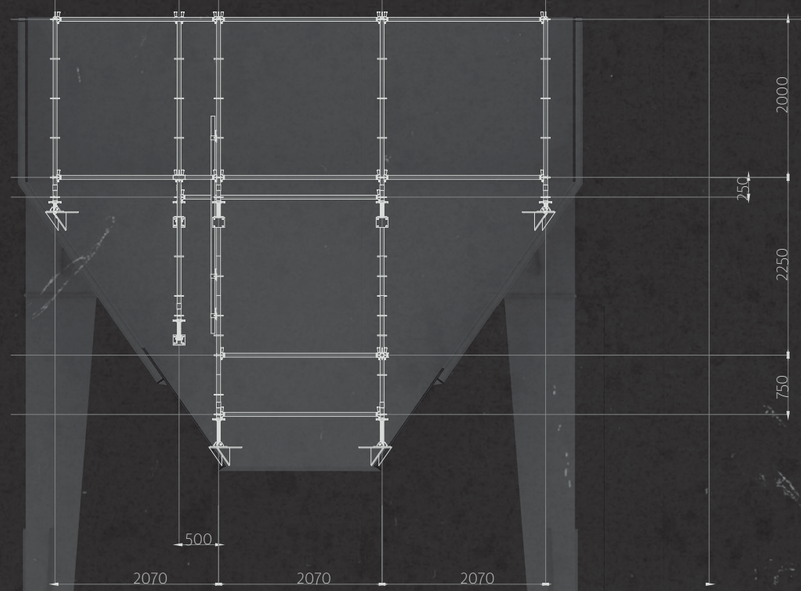
plan ground floor

silo spa - circulation

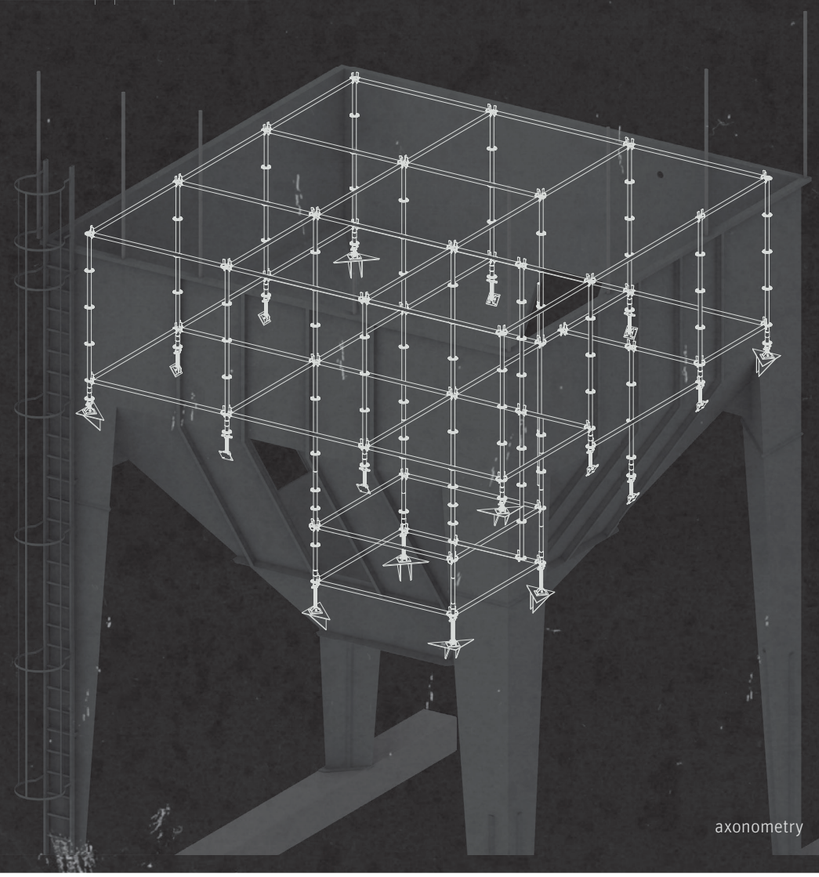


plan

east section



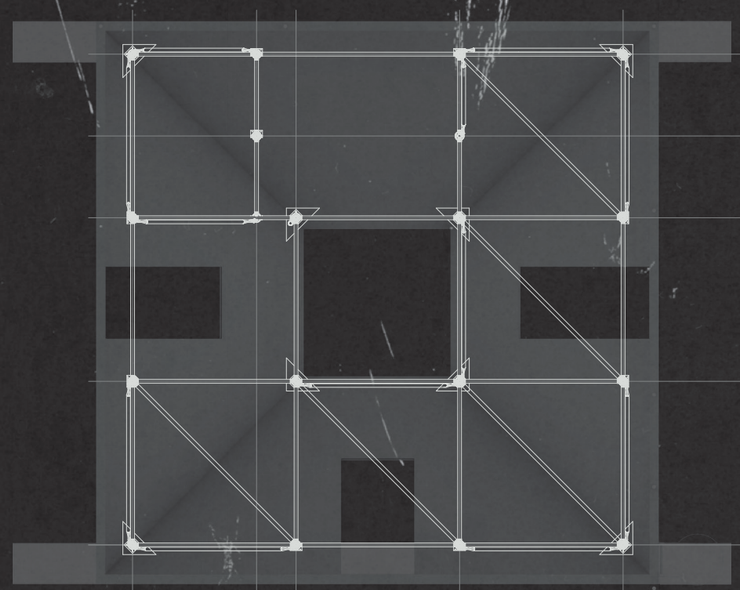
south section



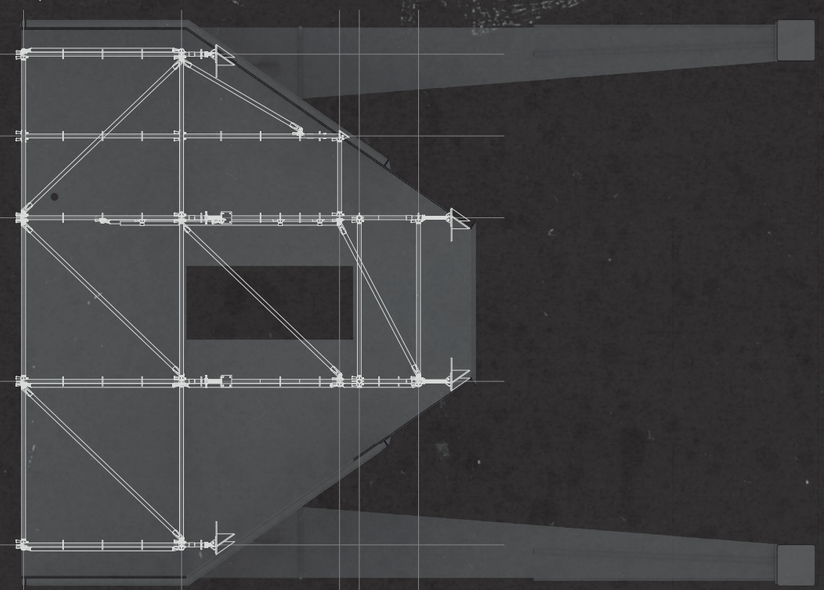
axonometry

silo spa - circulation

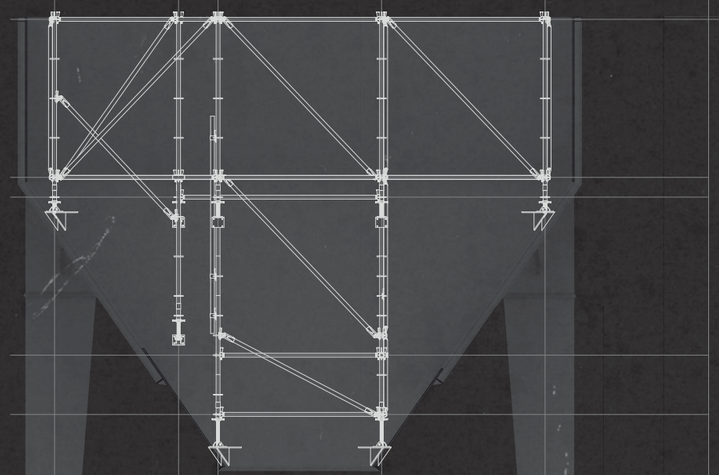
scaffold framing - 1: 75



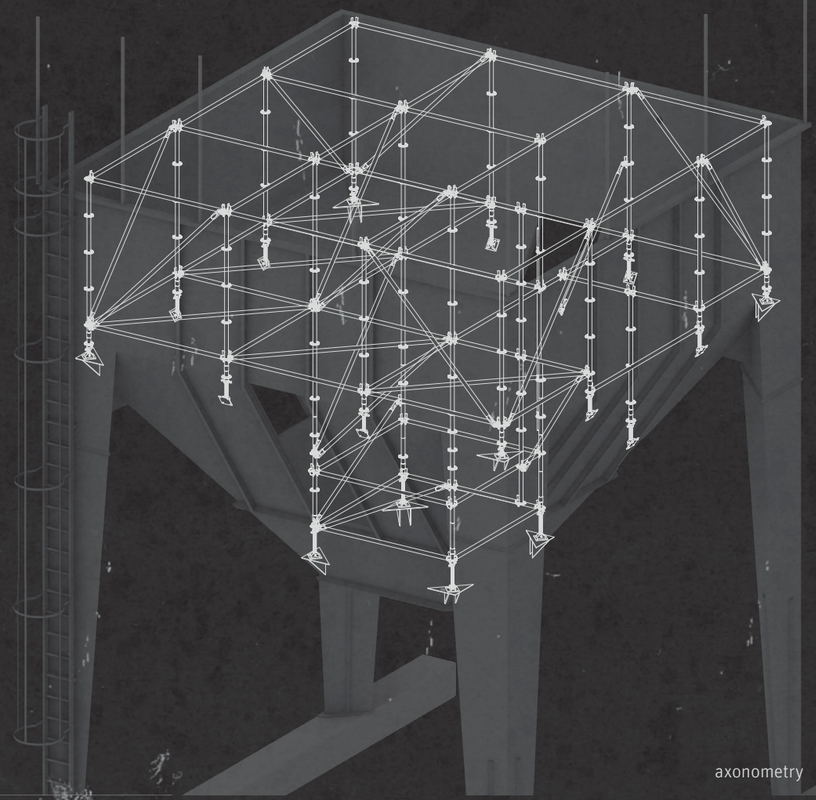
plan



east section



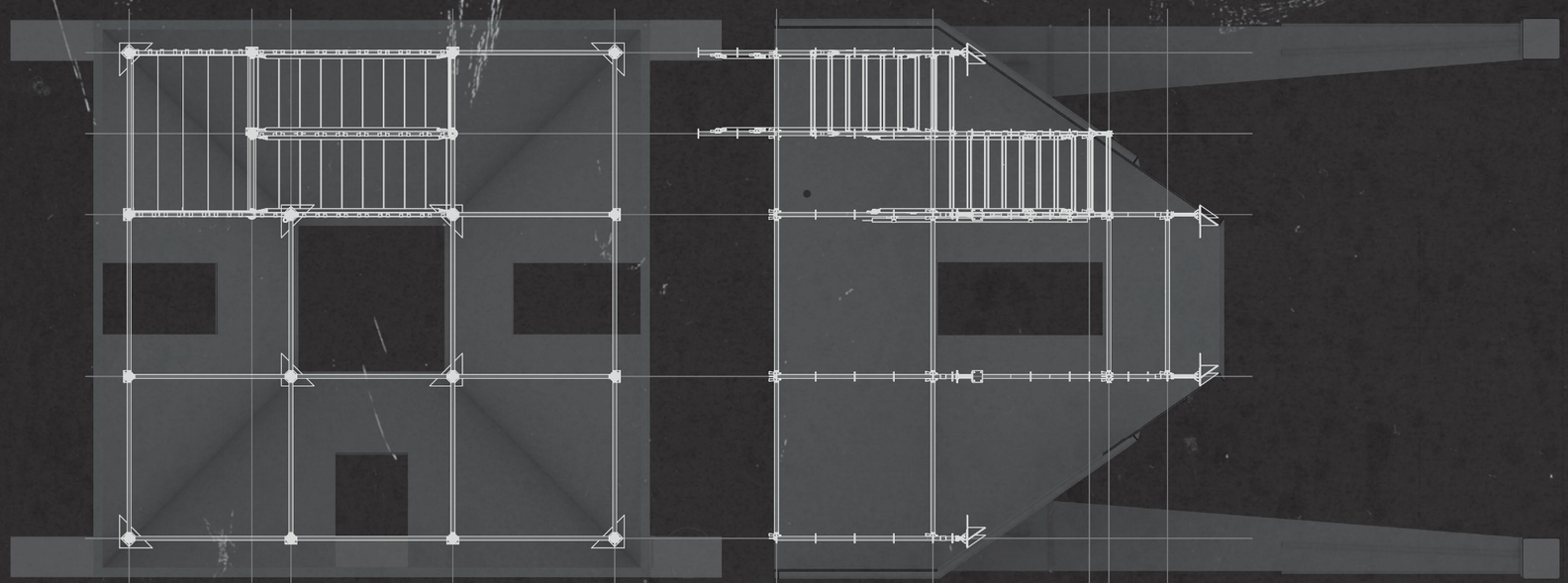
south section



axonometry

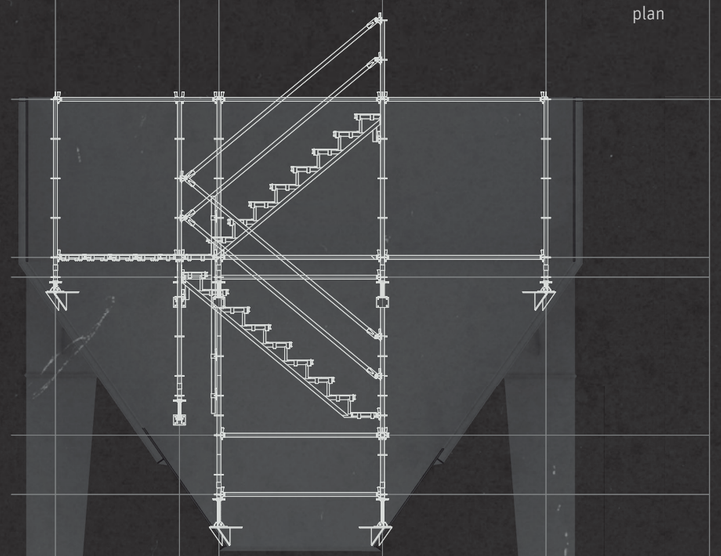
silo spa - circulation

scaffold framing - 1: 75

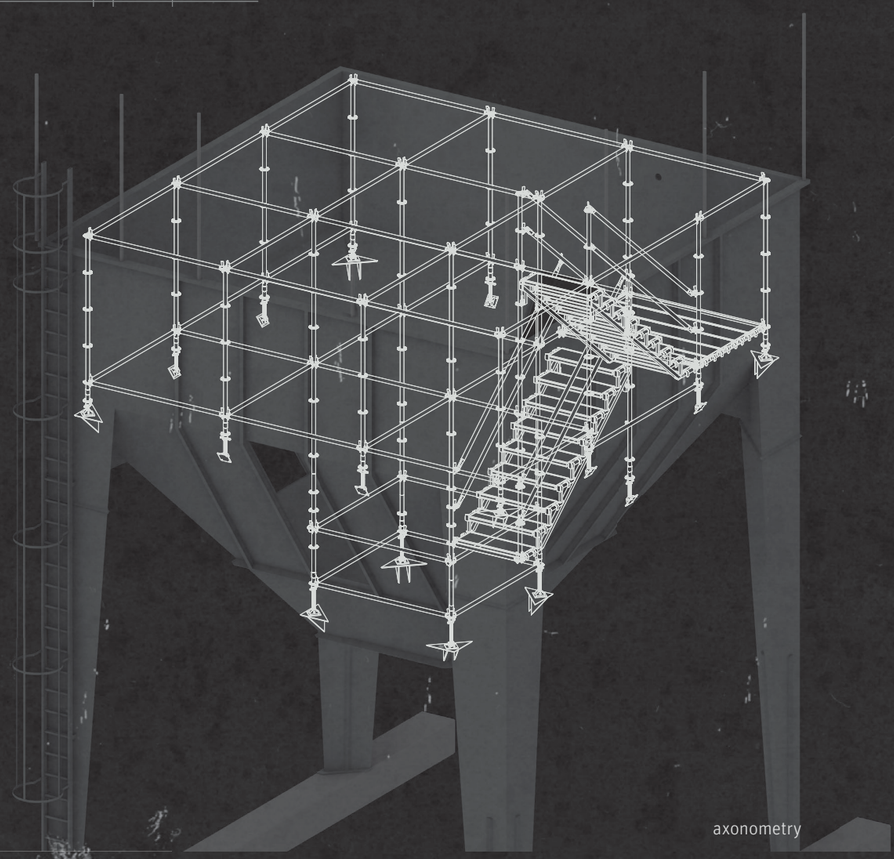


plan

east section



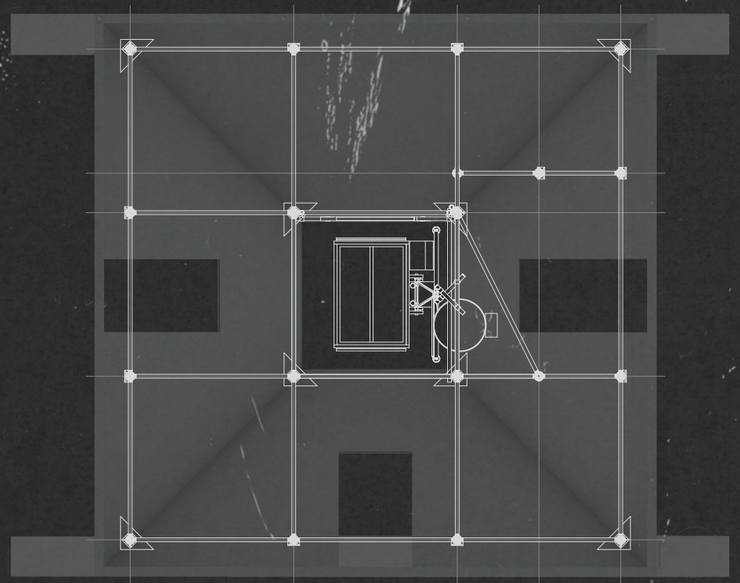
south section



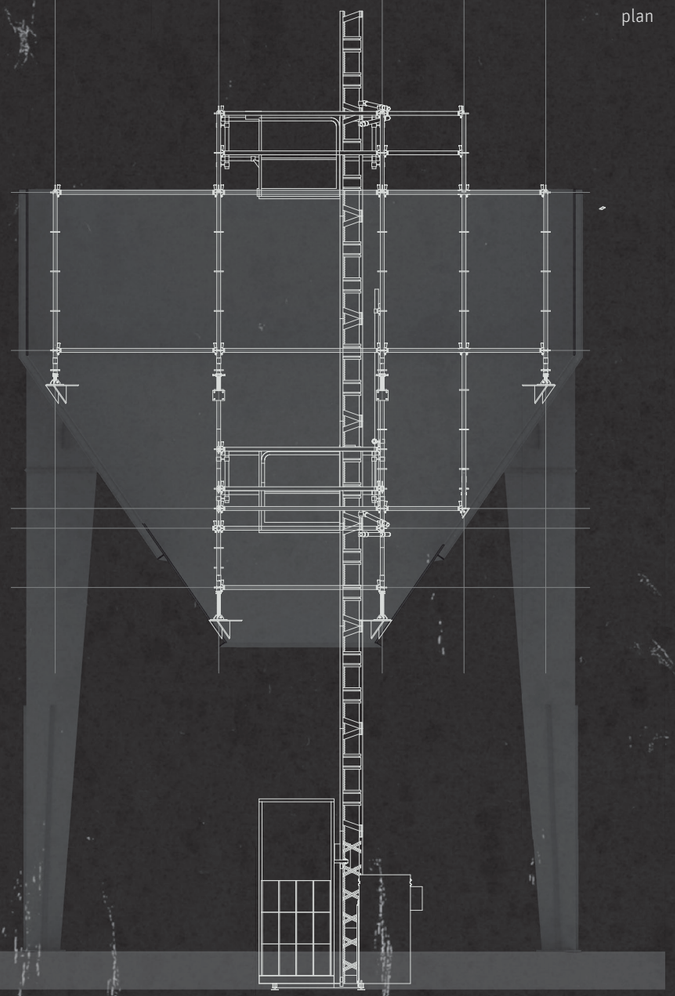
axonometry

silo spa - circulation

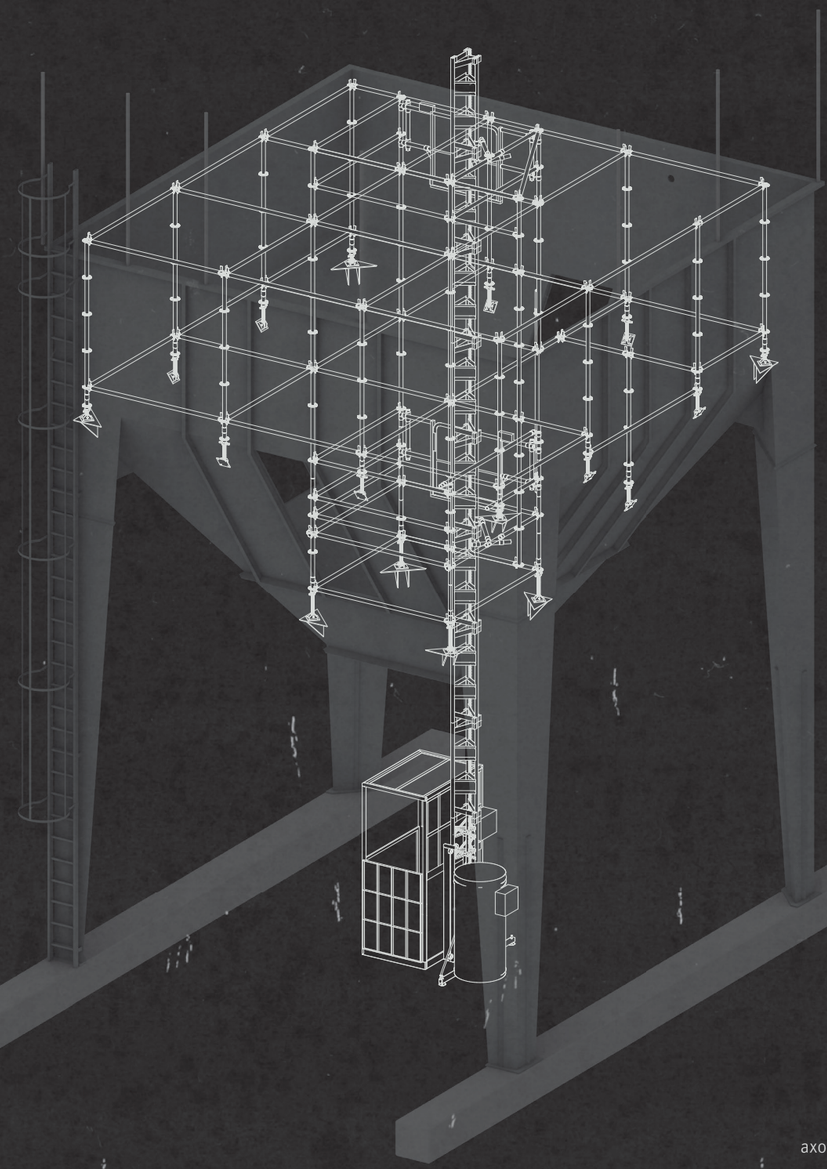
stairs internal - 1: 75



plan



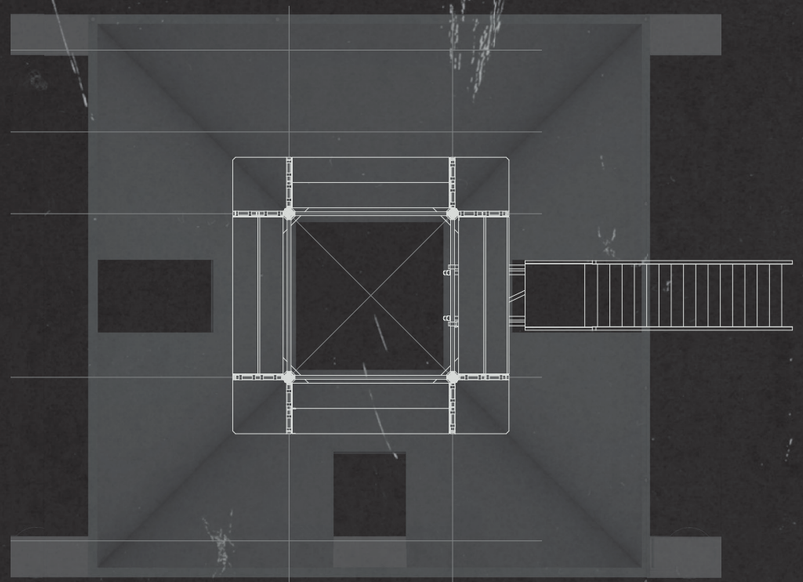
east section



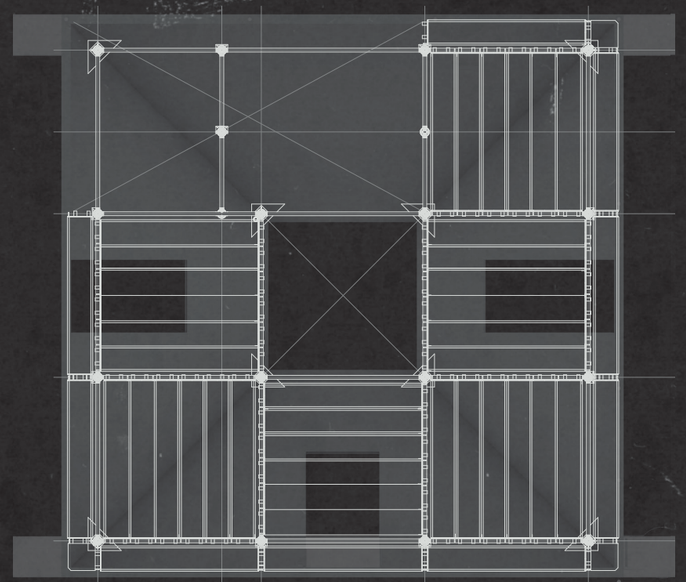
axonometry

silo spa - circulation

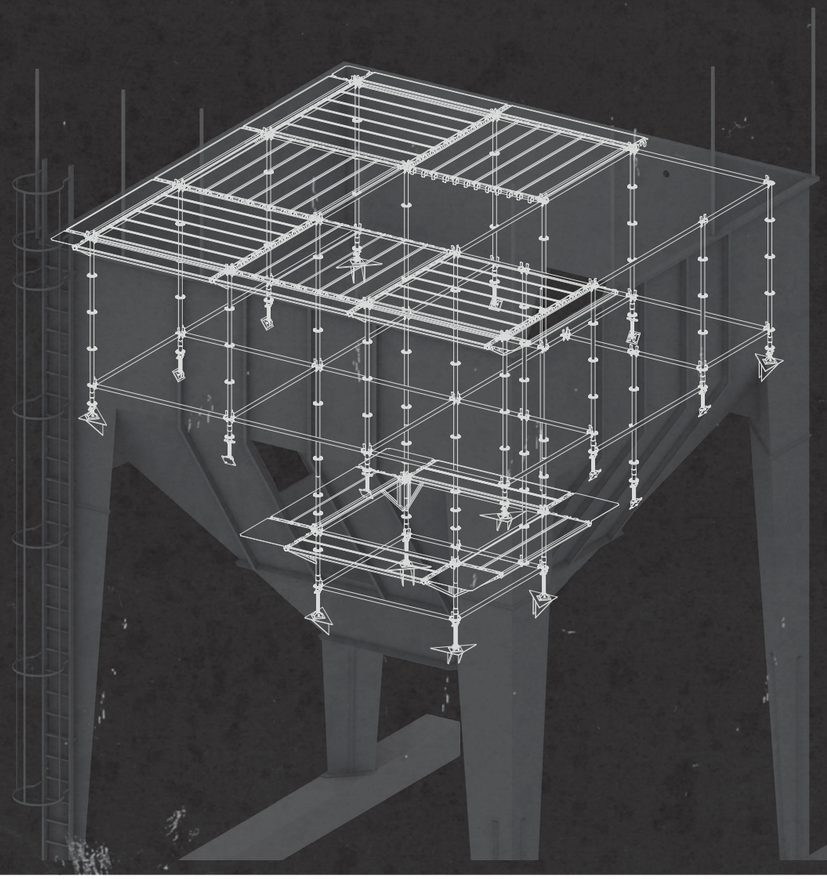
elevator (GEDA 300 Z/ZP) - 1: 75



plan level 1

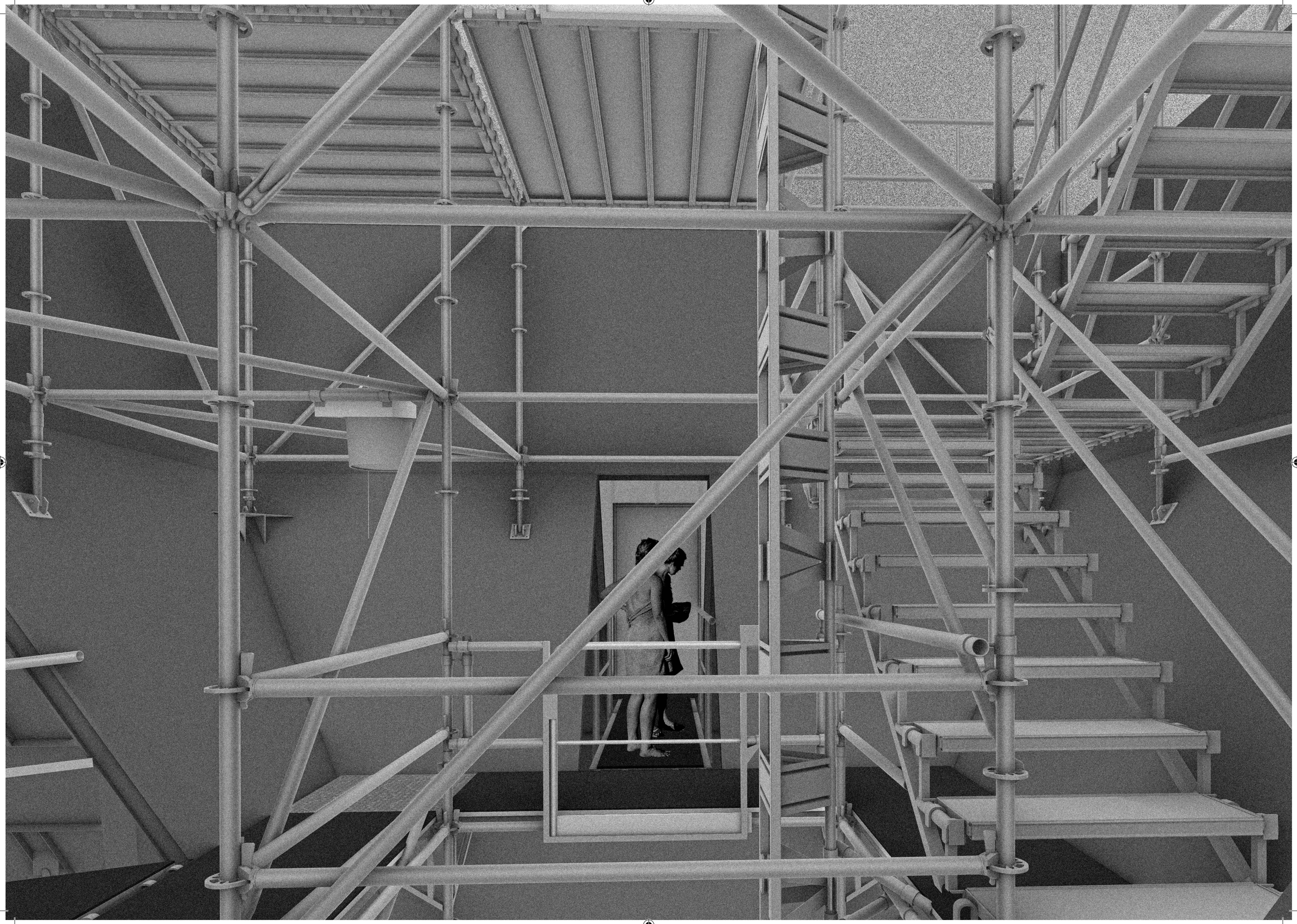


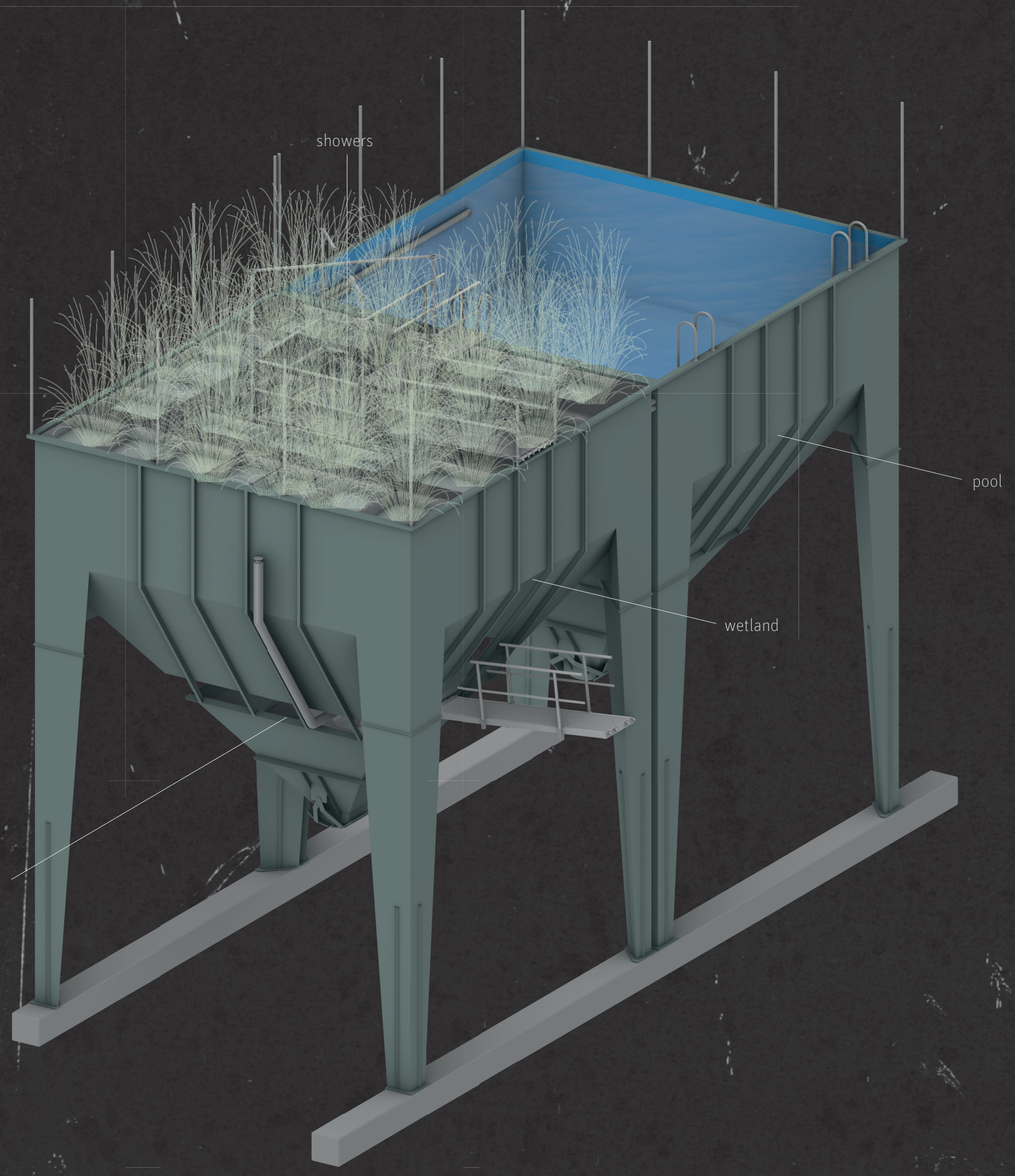
plan level 2

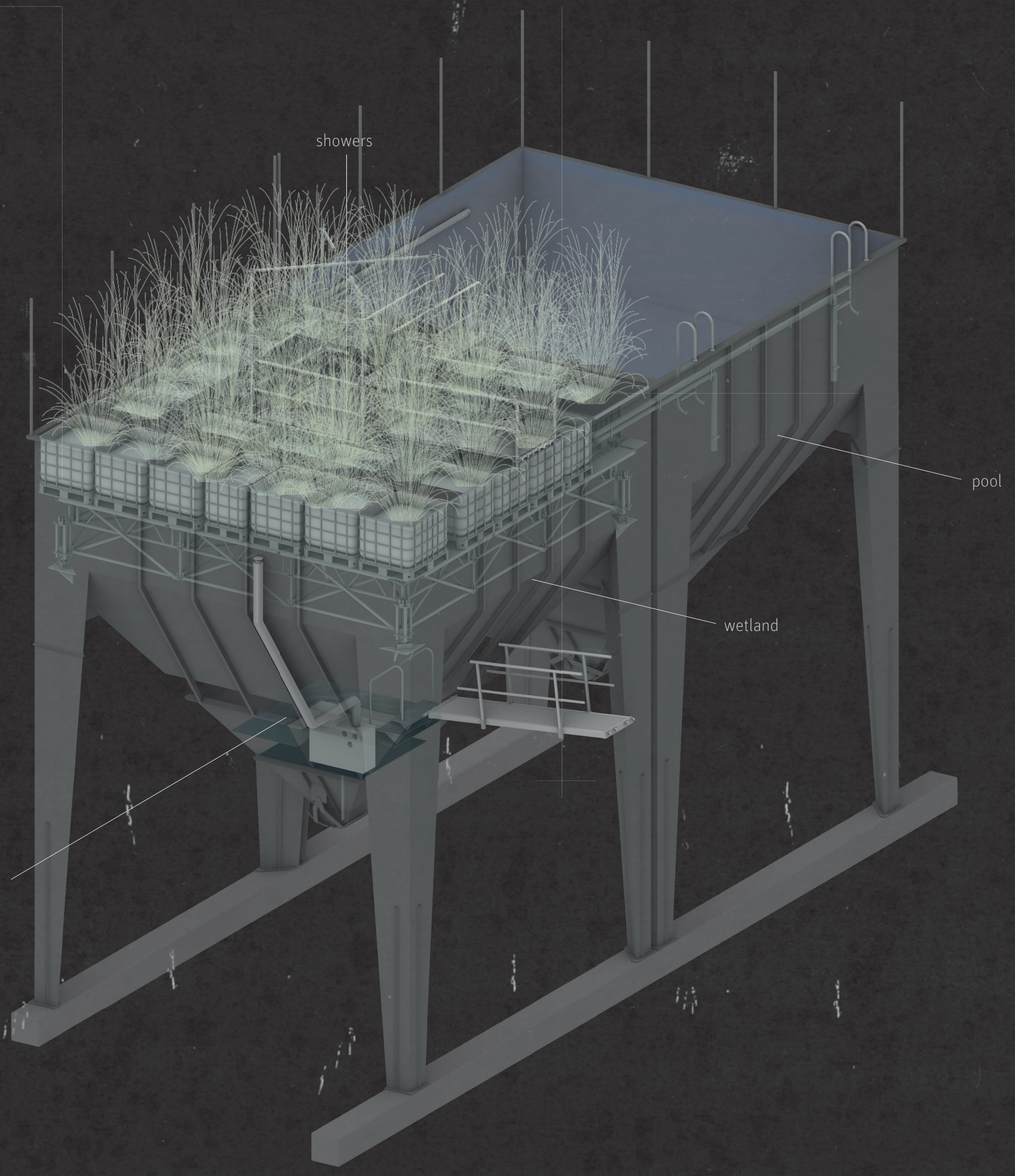


flooring - 1: 75

silo spa - circulation

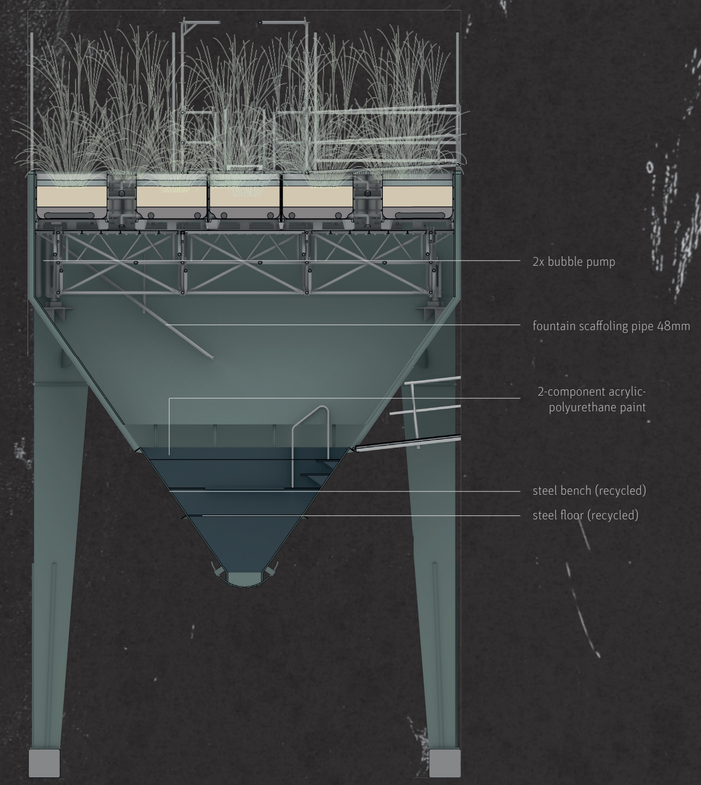




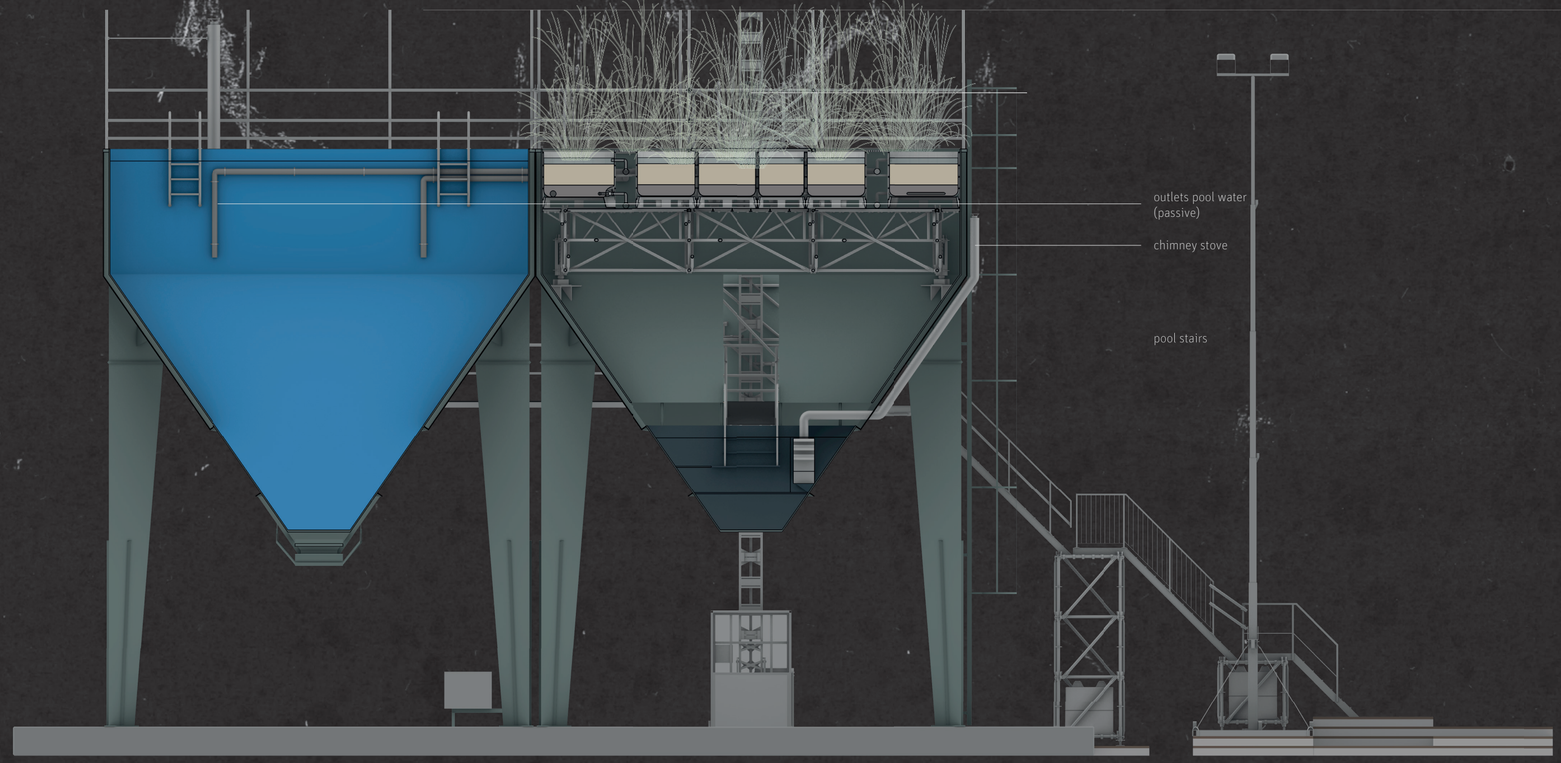


silo spa - hot tub, pool, wetland

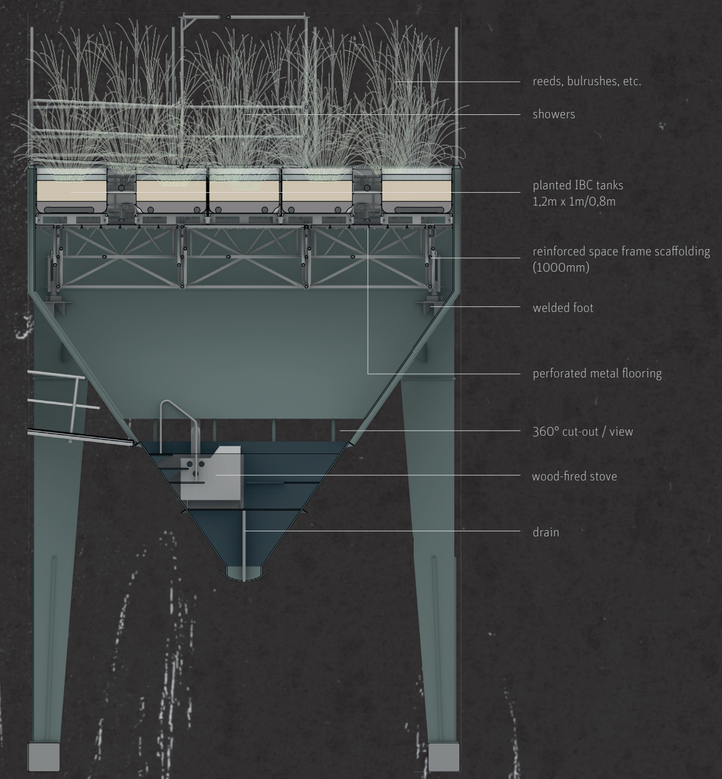
axonometry



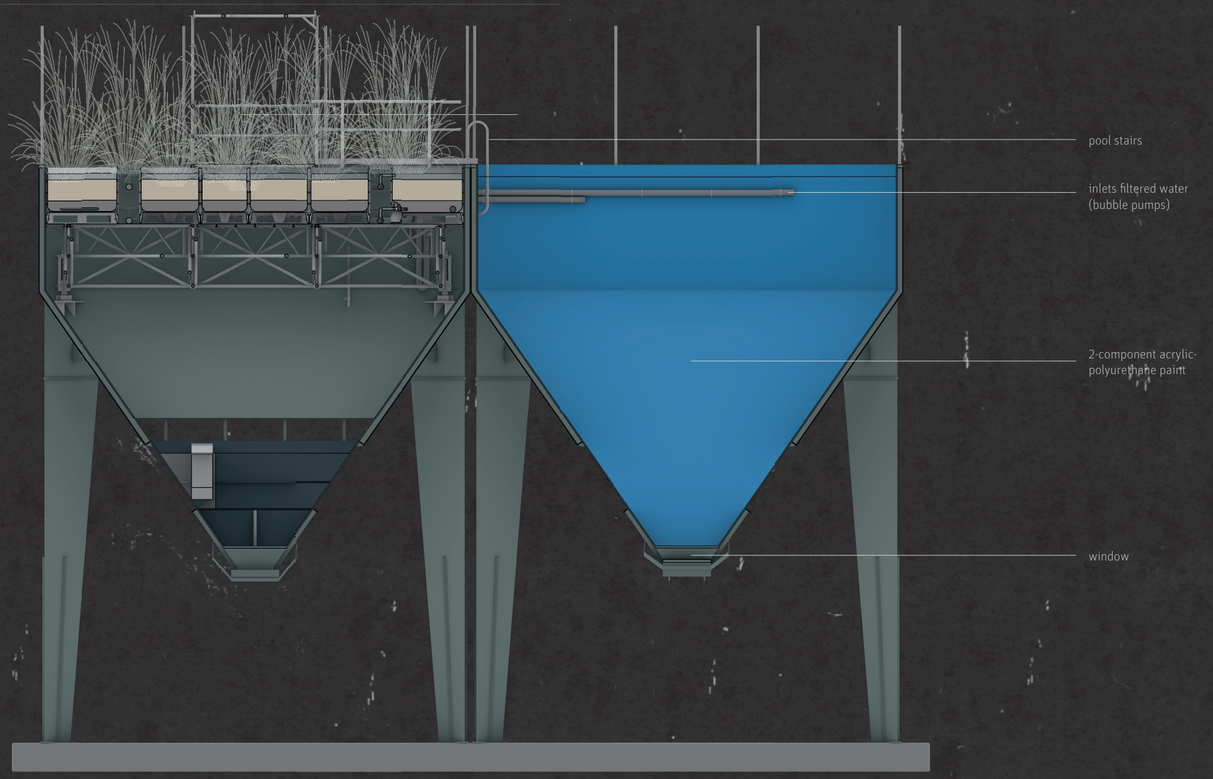
east section



south section

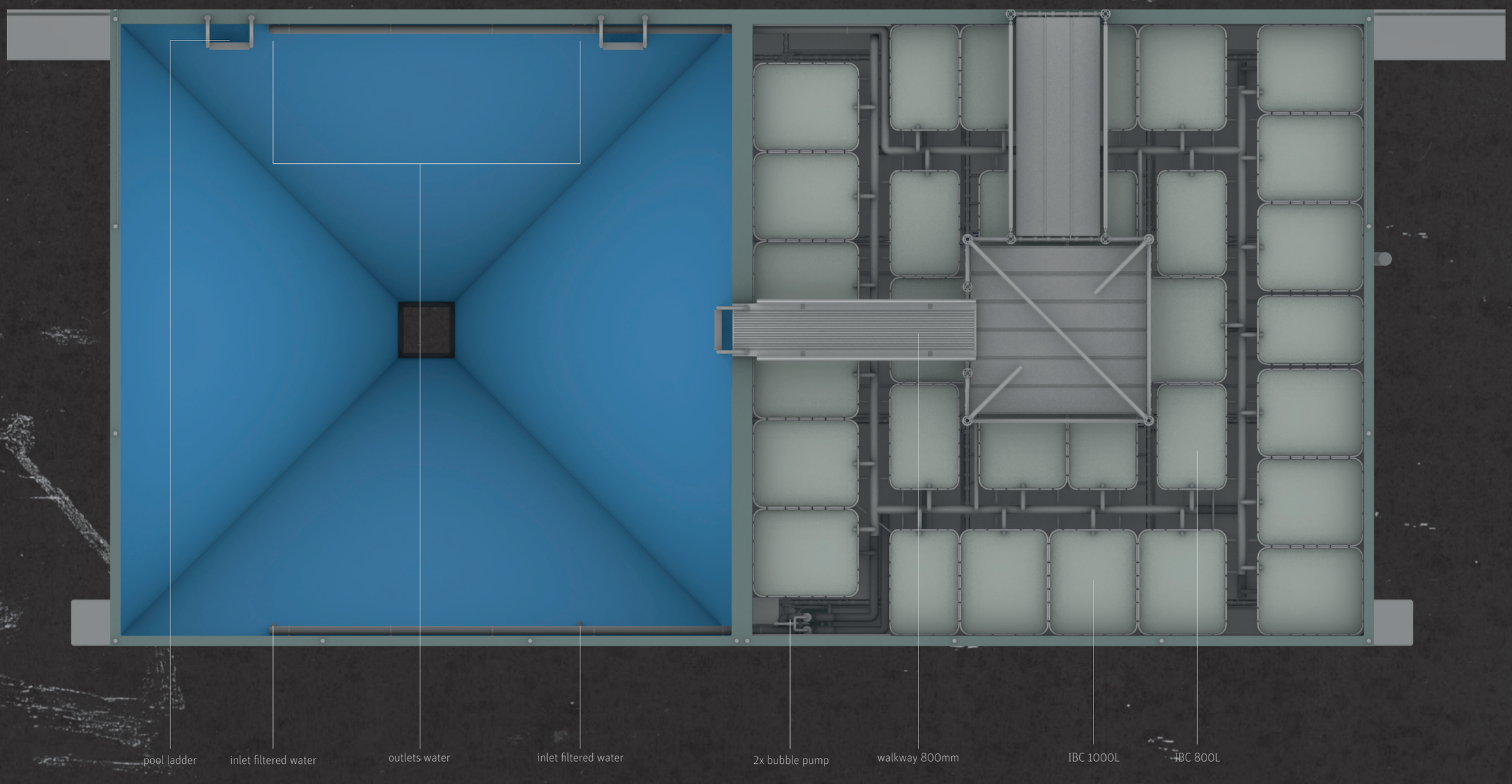


west section

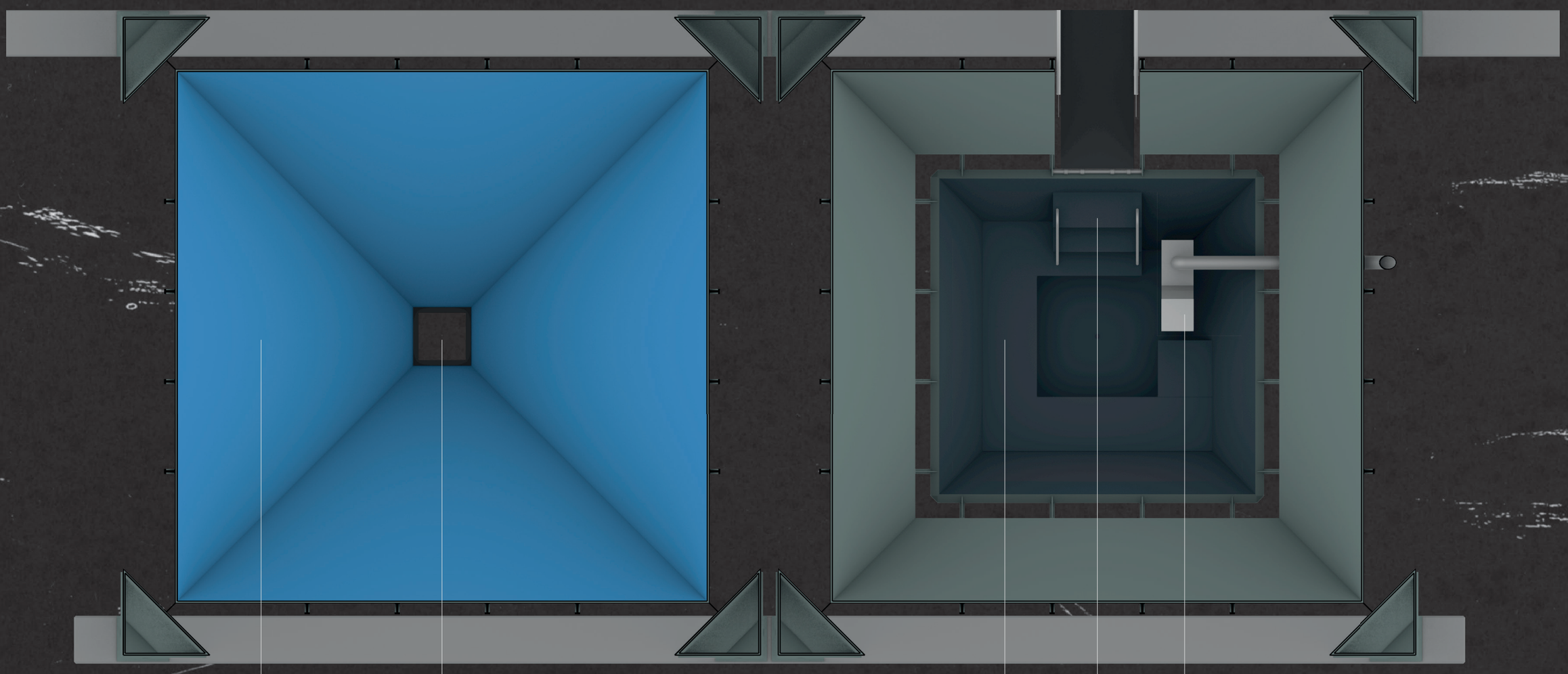


north section

silo spa - hot tub, pool, wetland



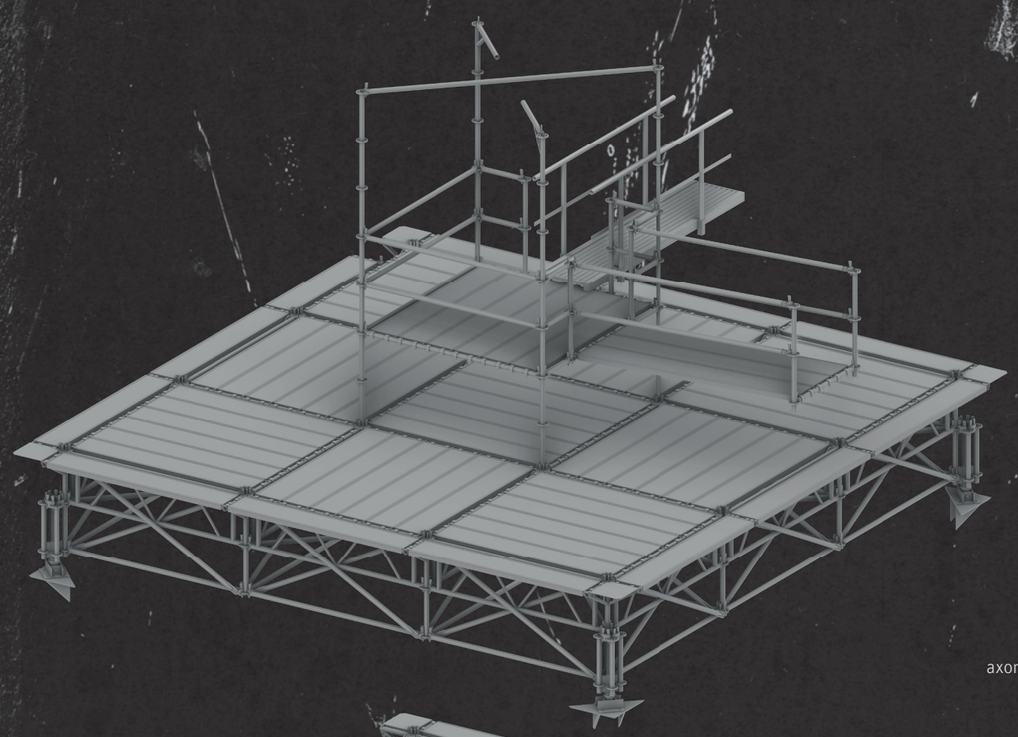
plan level 2



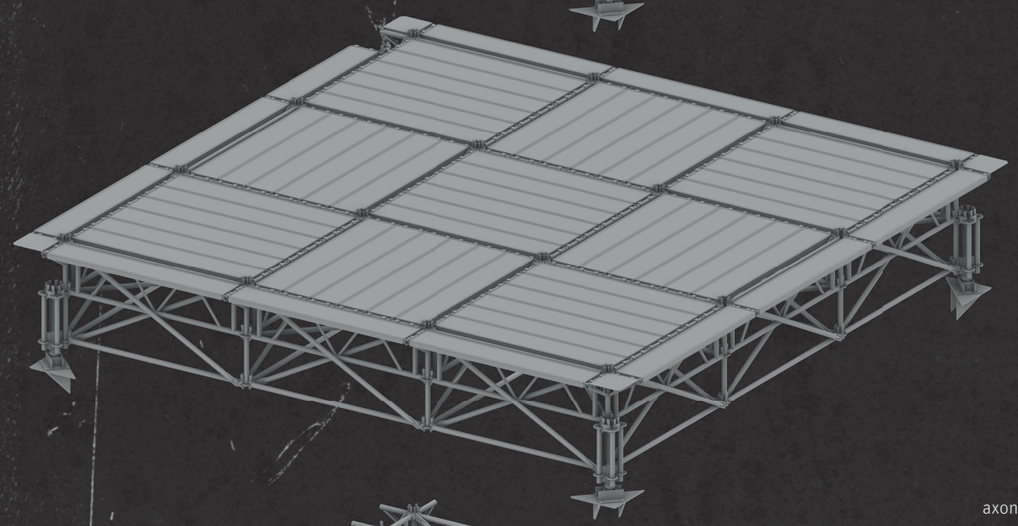
plan level 1

silo spa - hot tub, pool, wetland

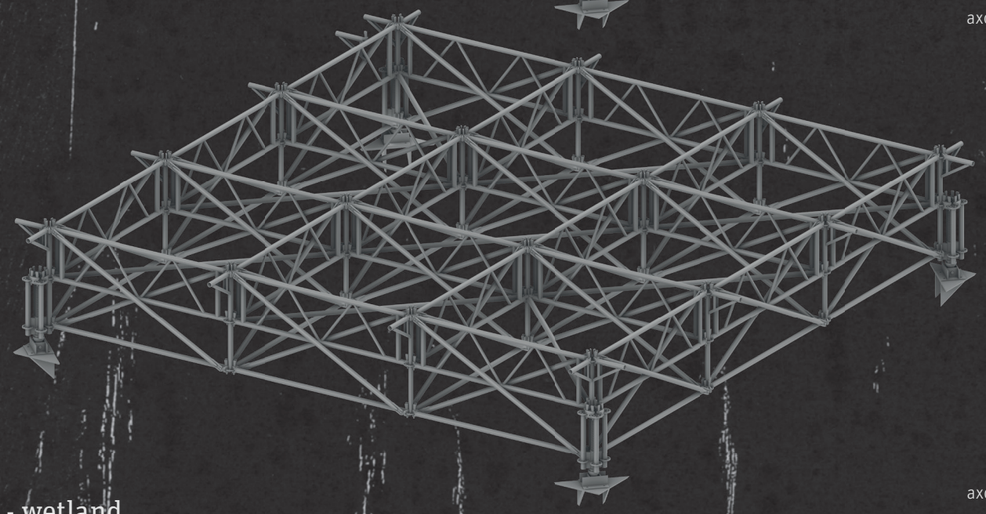
plans pool water cleaned by IBC wetland



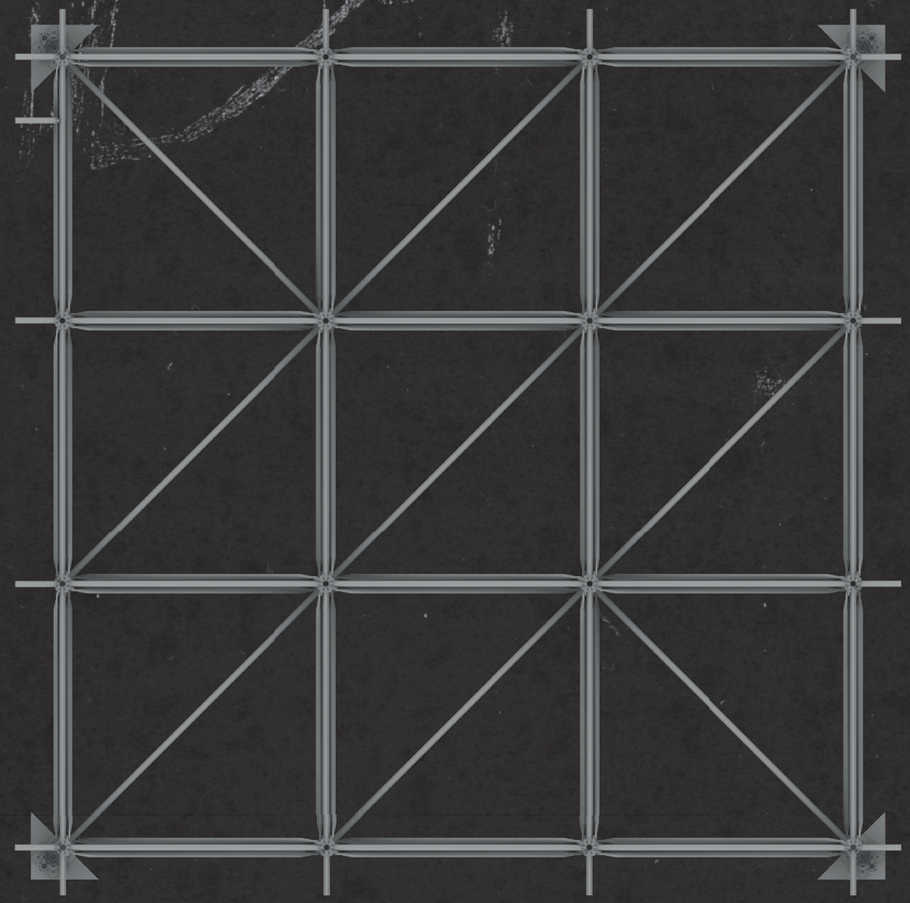
axonometry shower



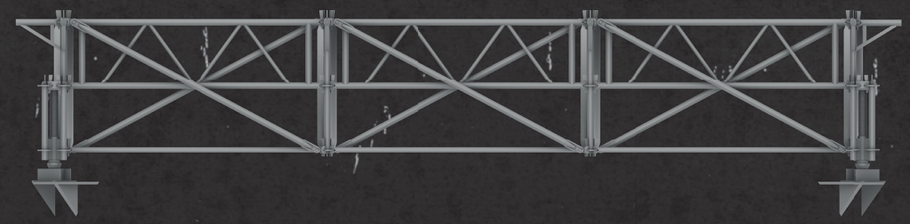
axonometry flooring



axonometry framing



plan



elevation

scaffolding

silo spa - wetland

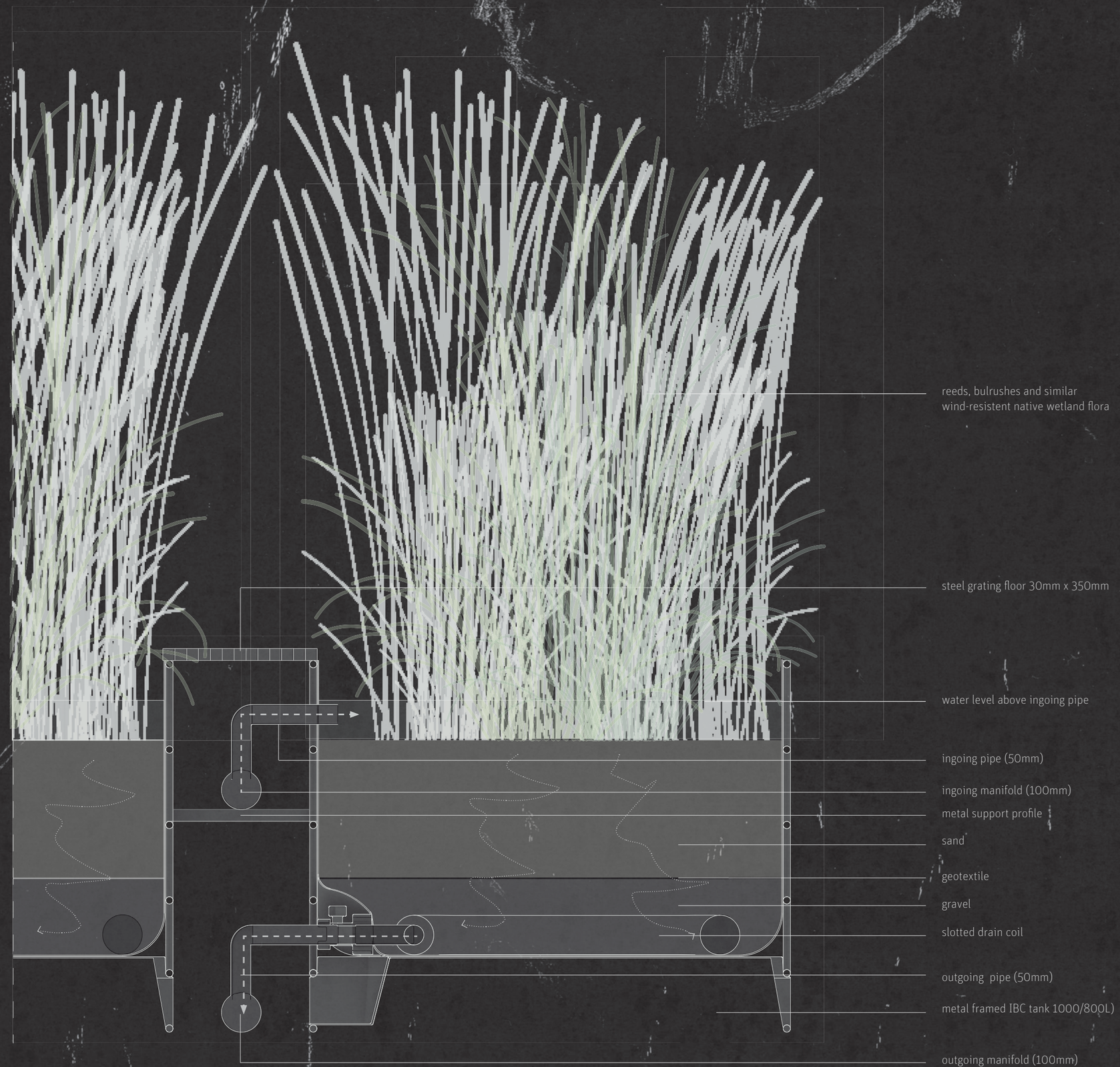
water from pool to IBC tanks

water from IBC tanks to pool

cleaned flowing water

silo spa - hot tub, pool, wetland

plans - pool water cleaned by IBC wetland

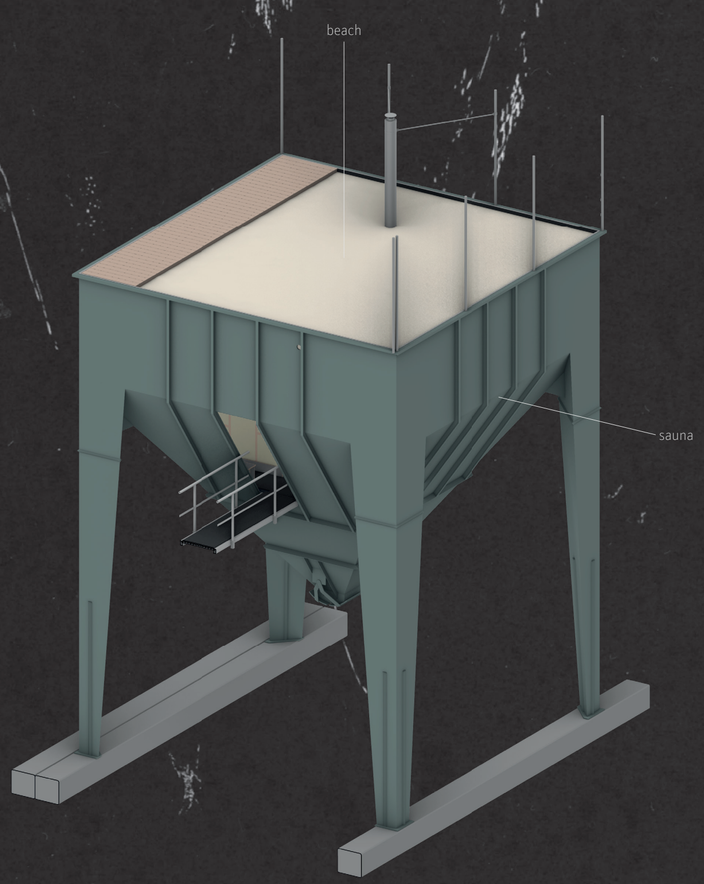


silo spa - wetland

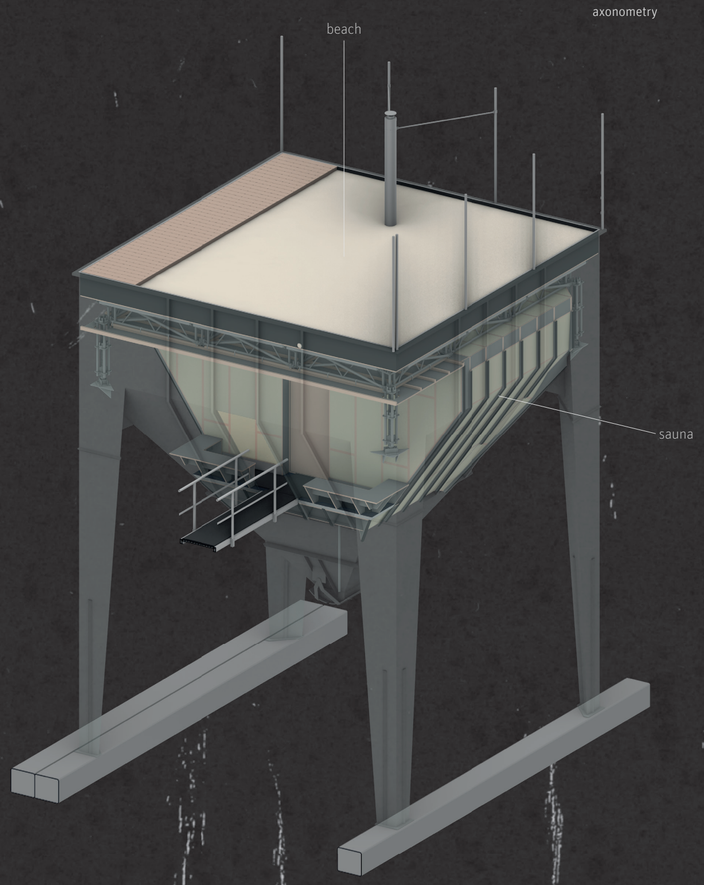
wetland section 1 : 10







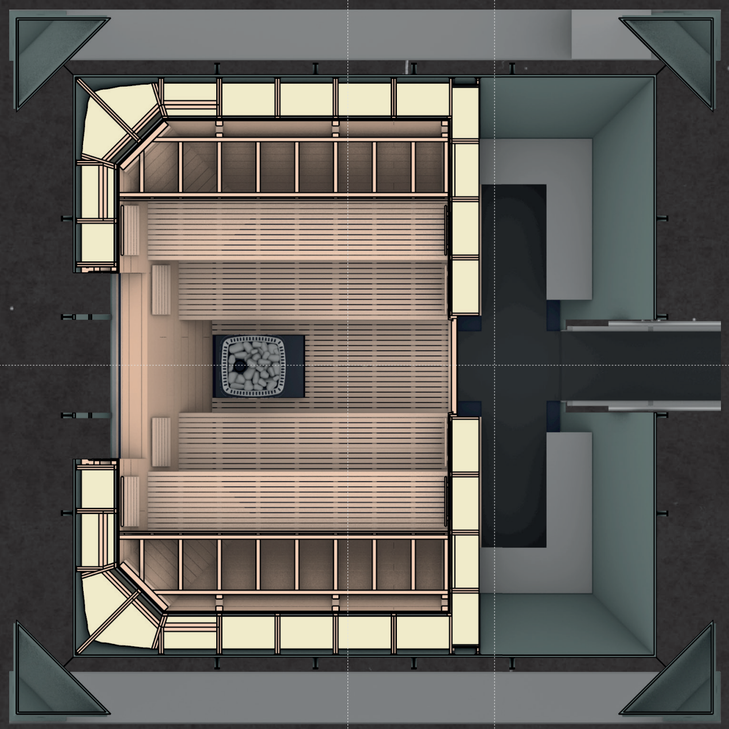
axonometry



axonometry

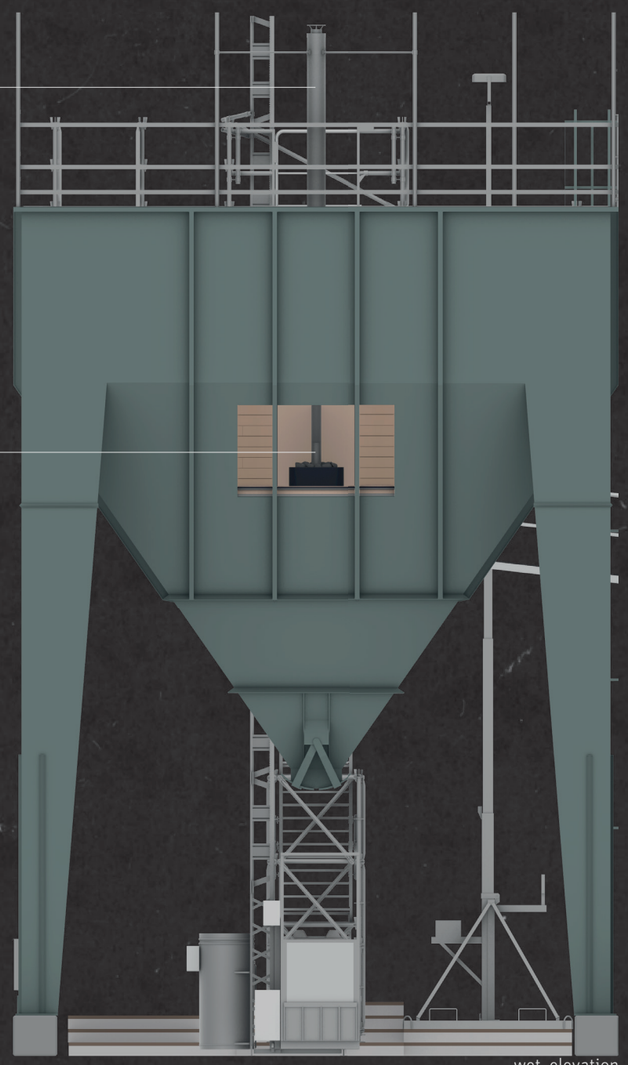


plan level 2

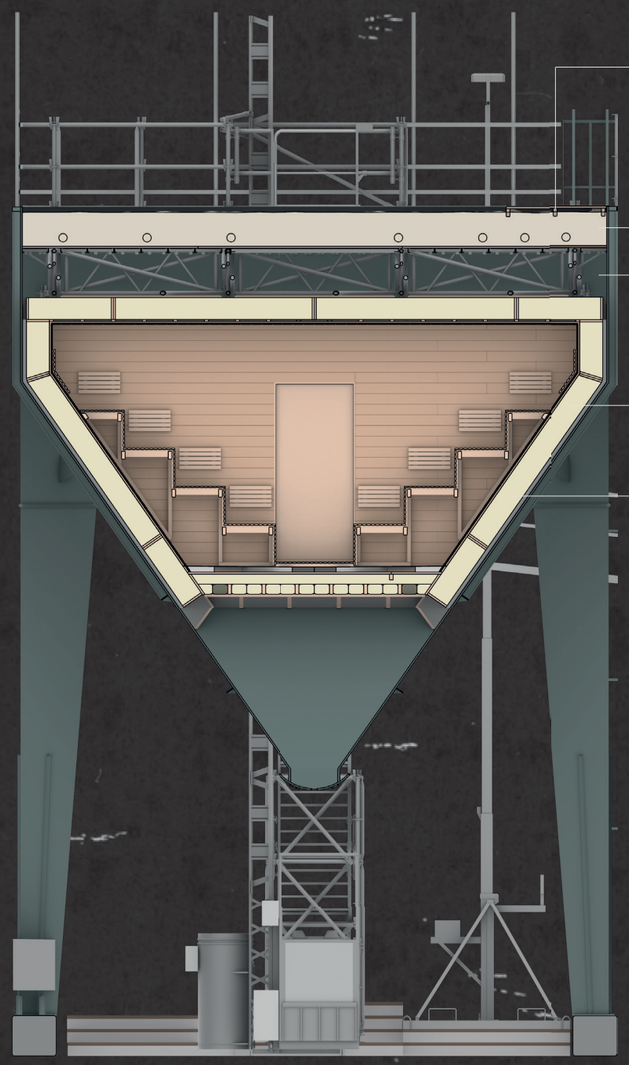


plan level 1

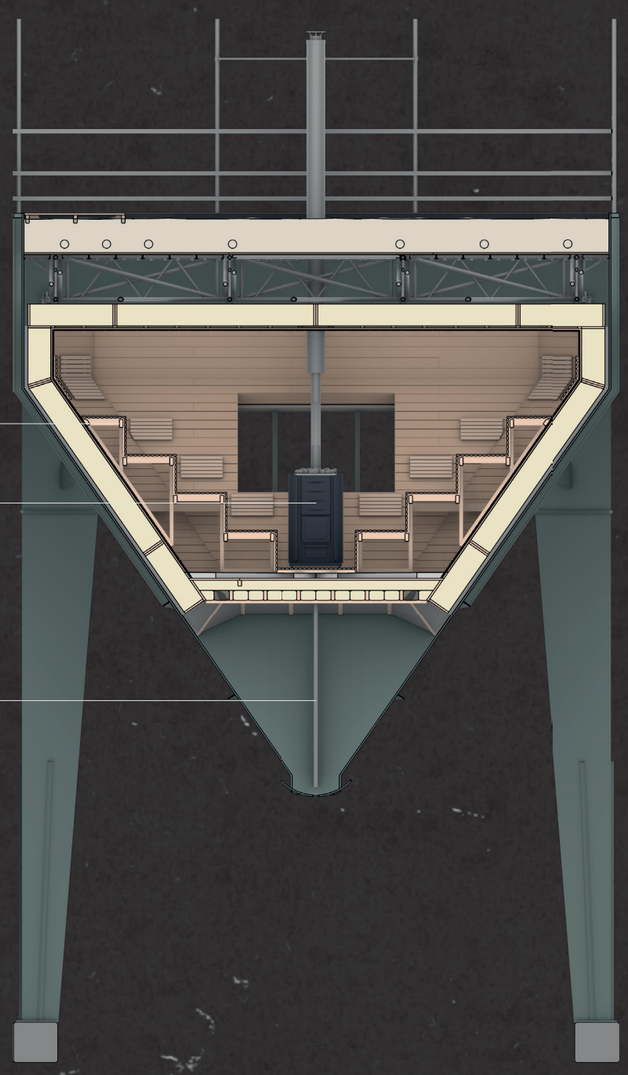
silo spa - sauna



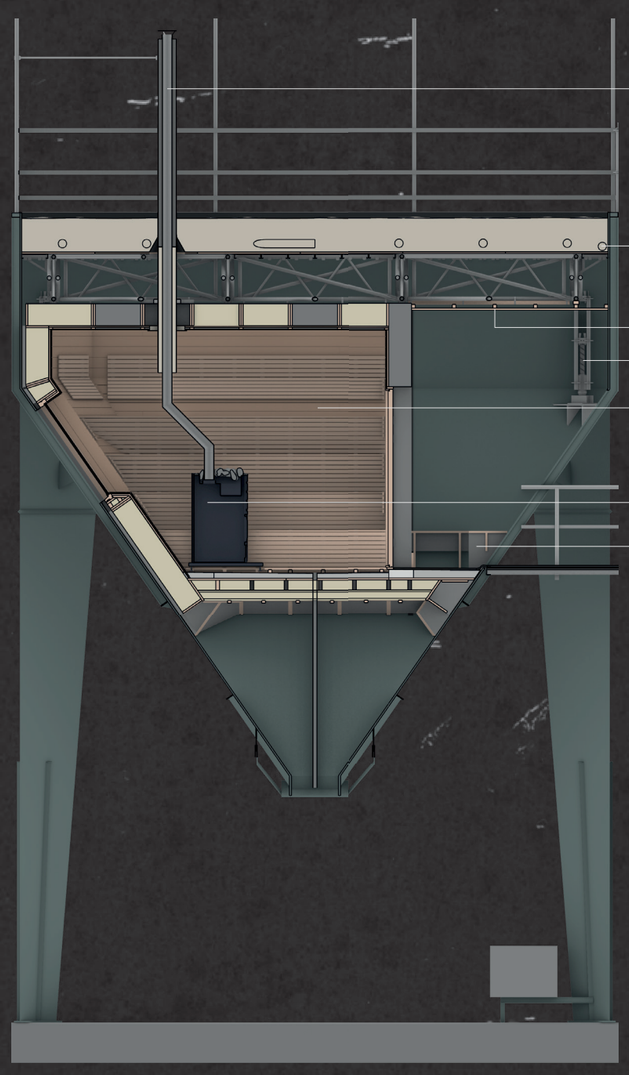
wet elevation



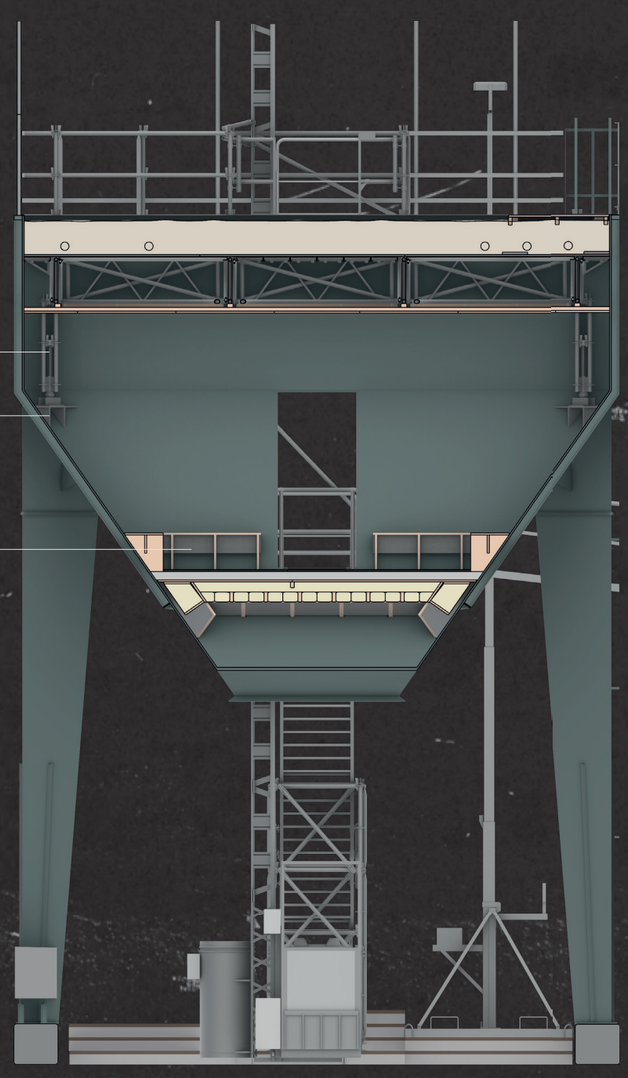
west section



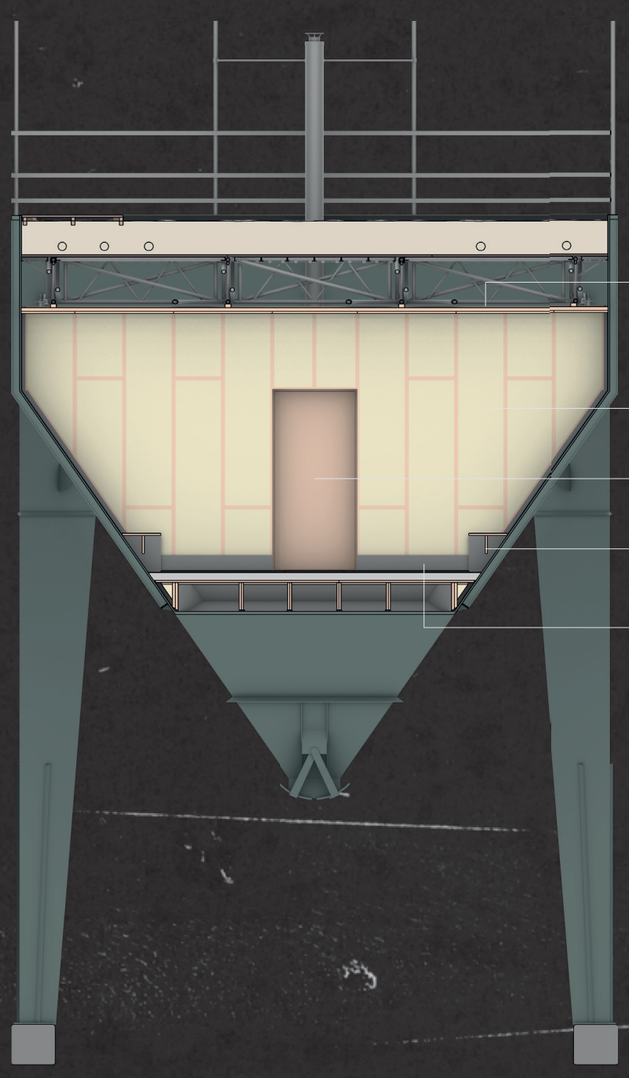
east section



south section

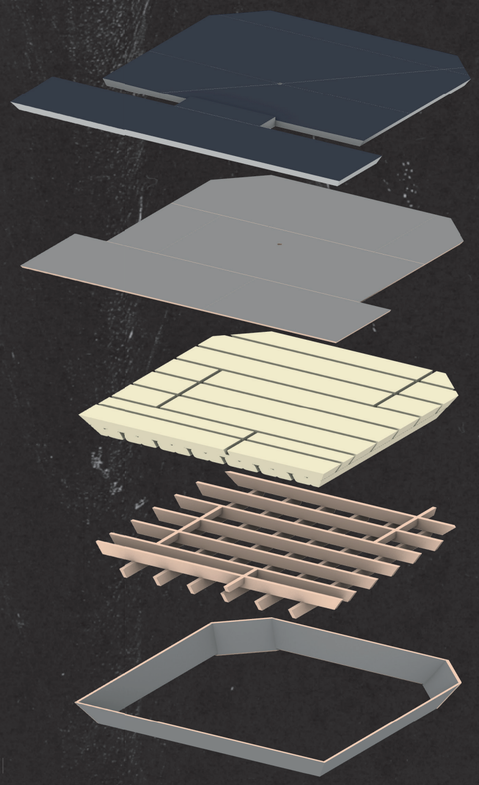


west section 2

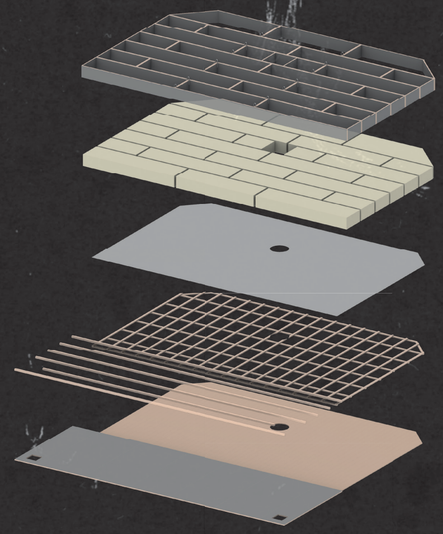


east section 2

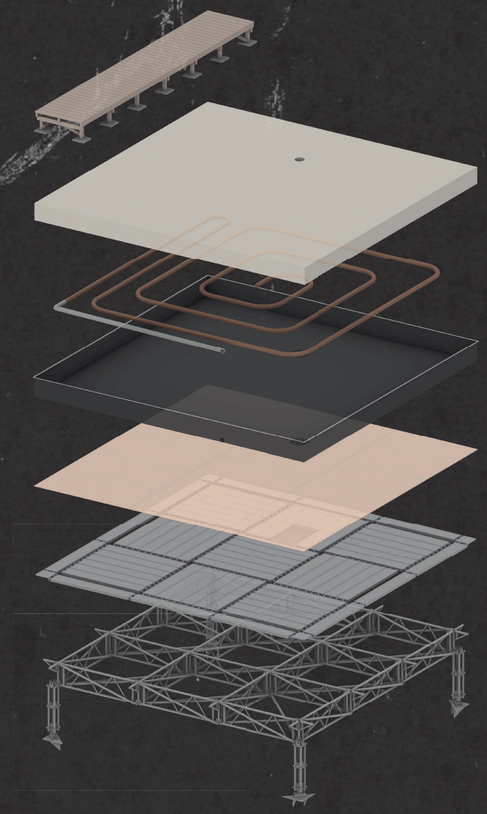
silo spa - sauna



axonometry layers floor



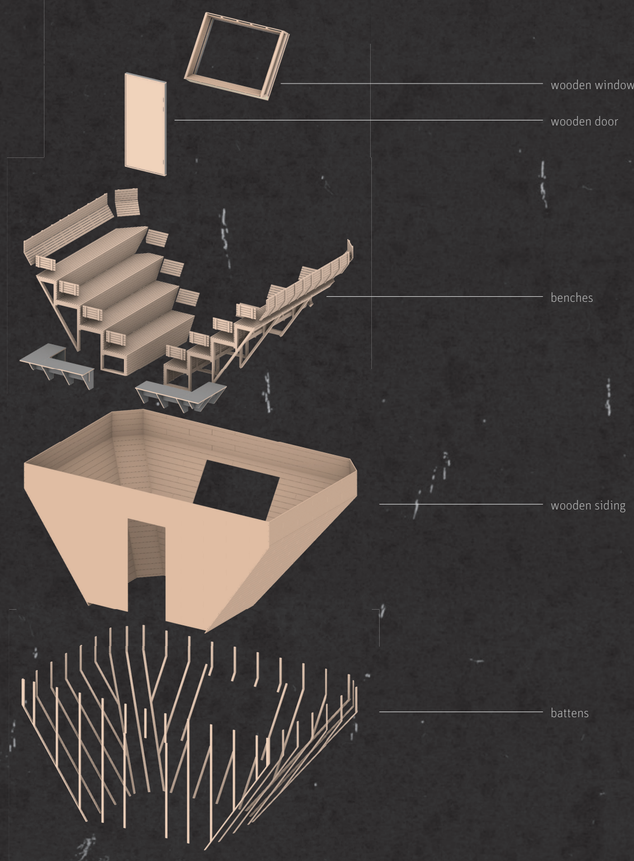
axonometry layers ceiling



axonometry layers roof

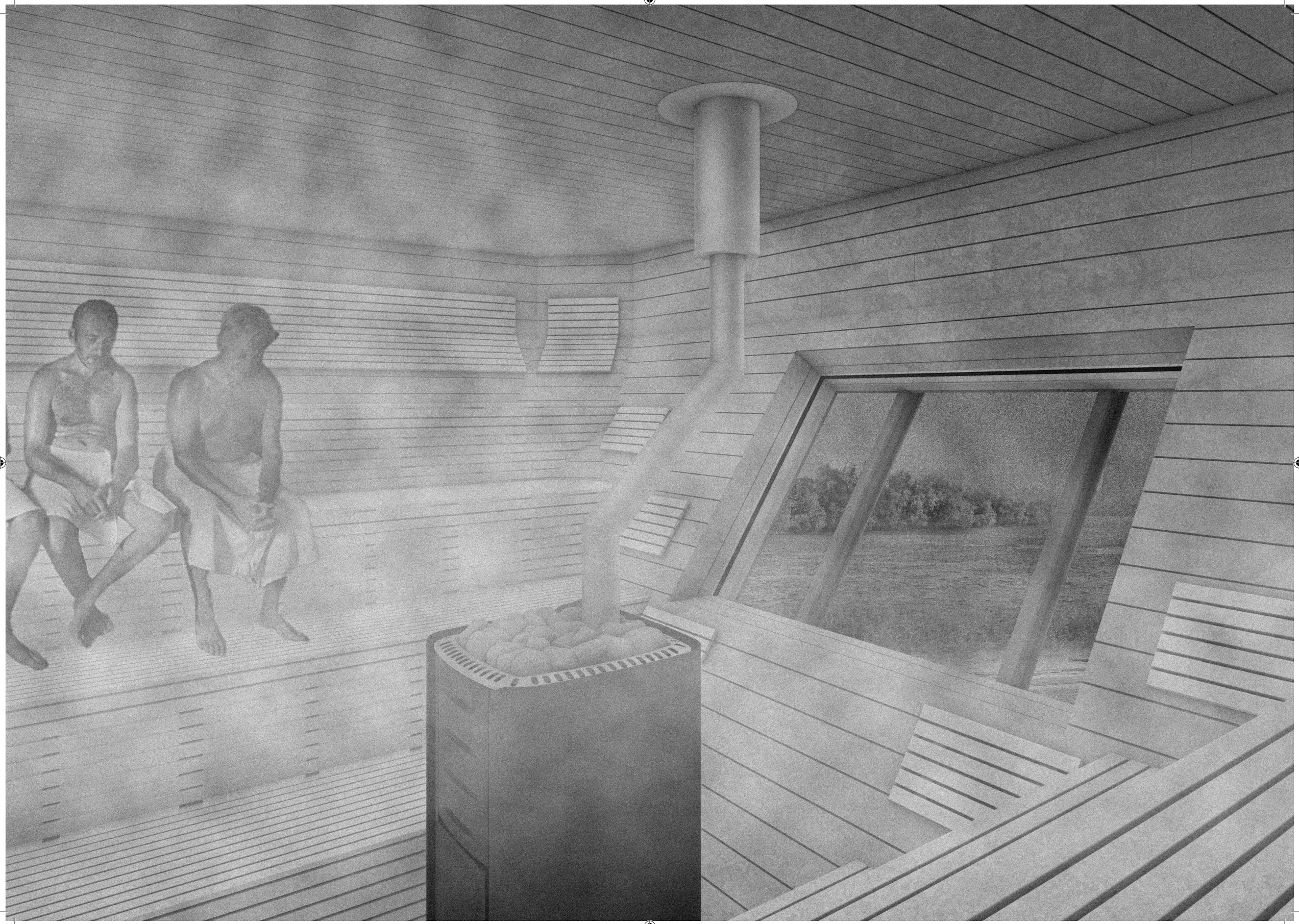


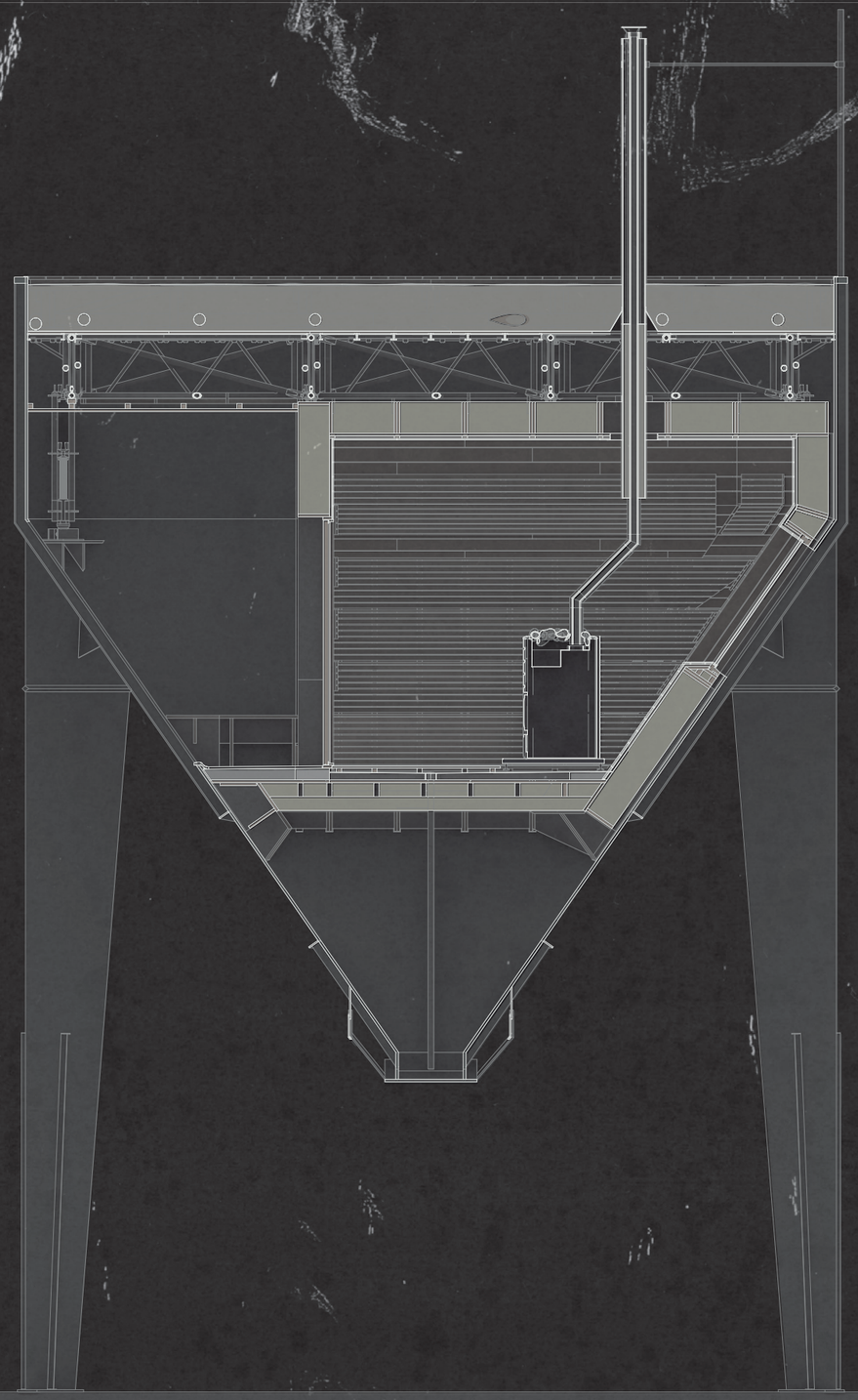
axonometry layers walls



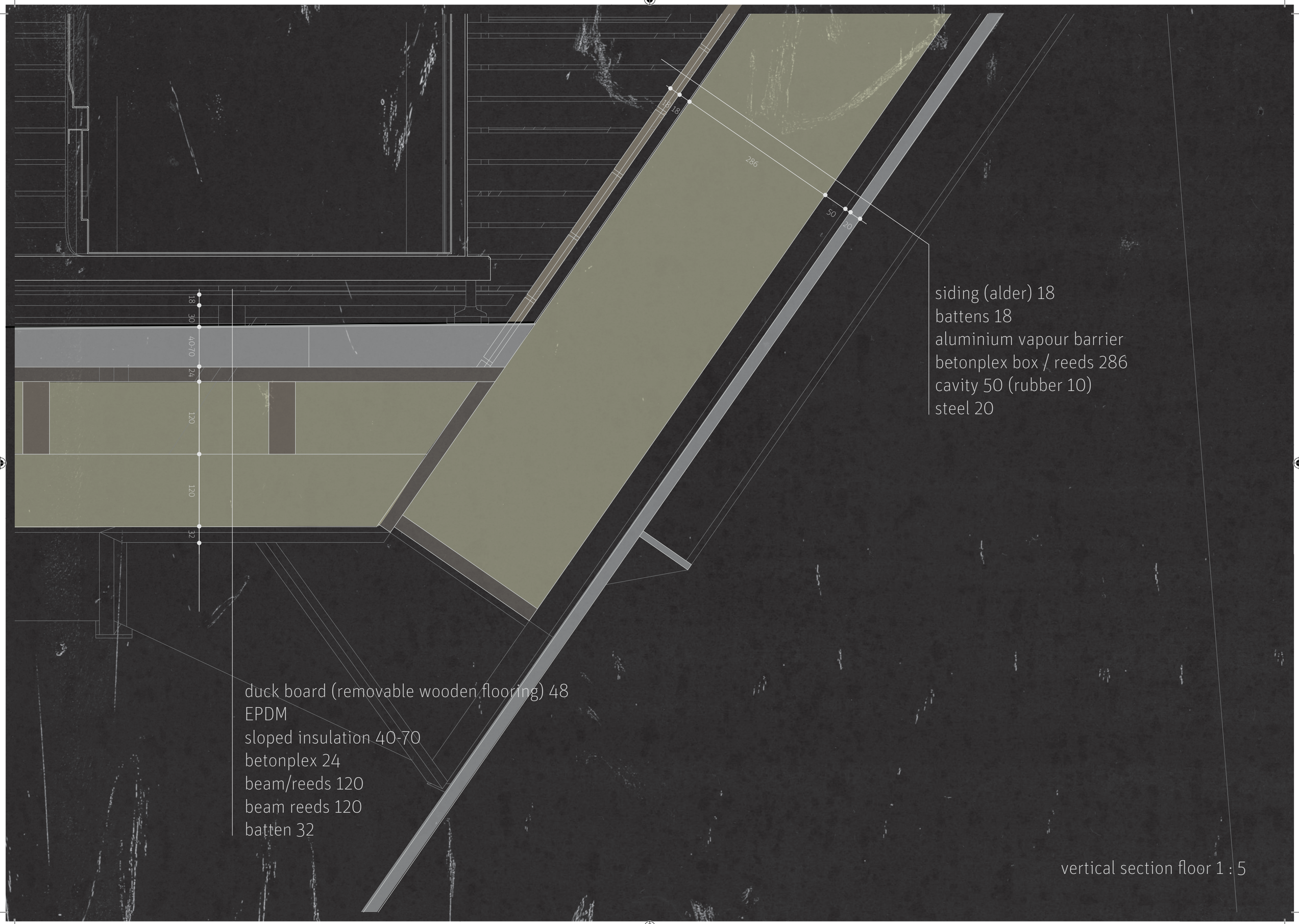
axonometry layers interior

silo spa - sauna





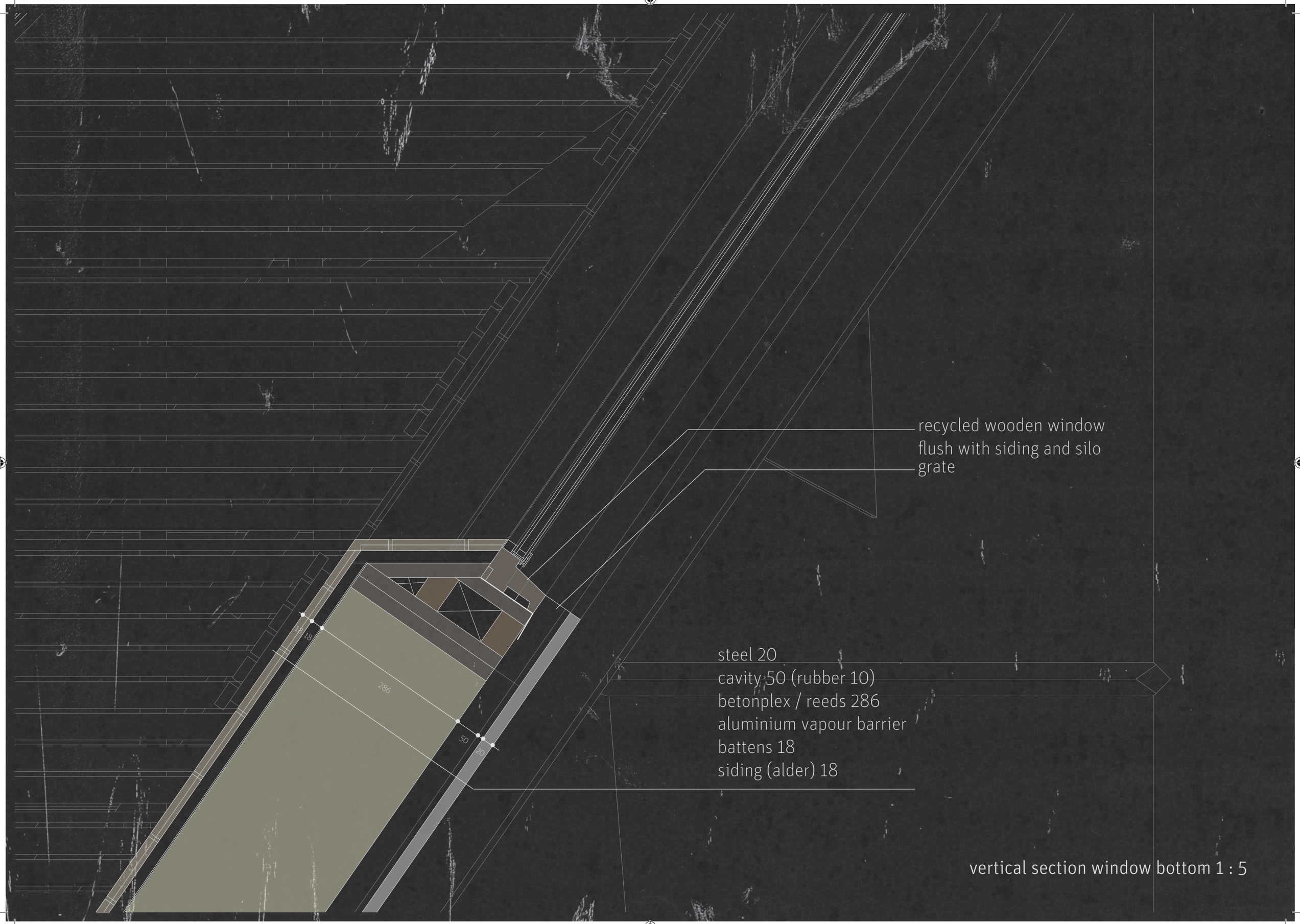
section north



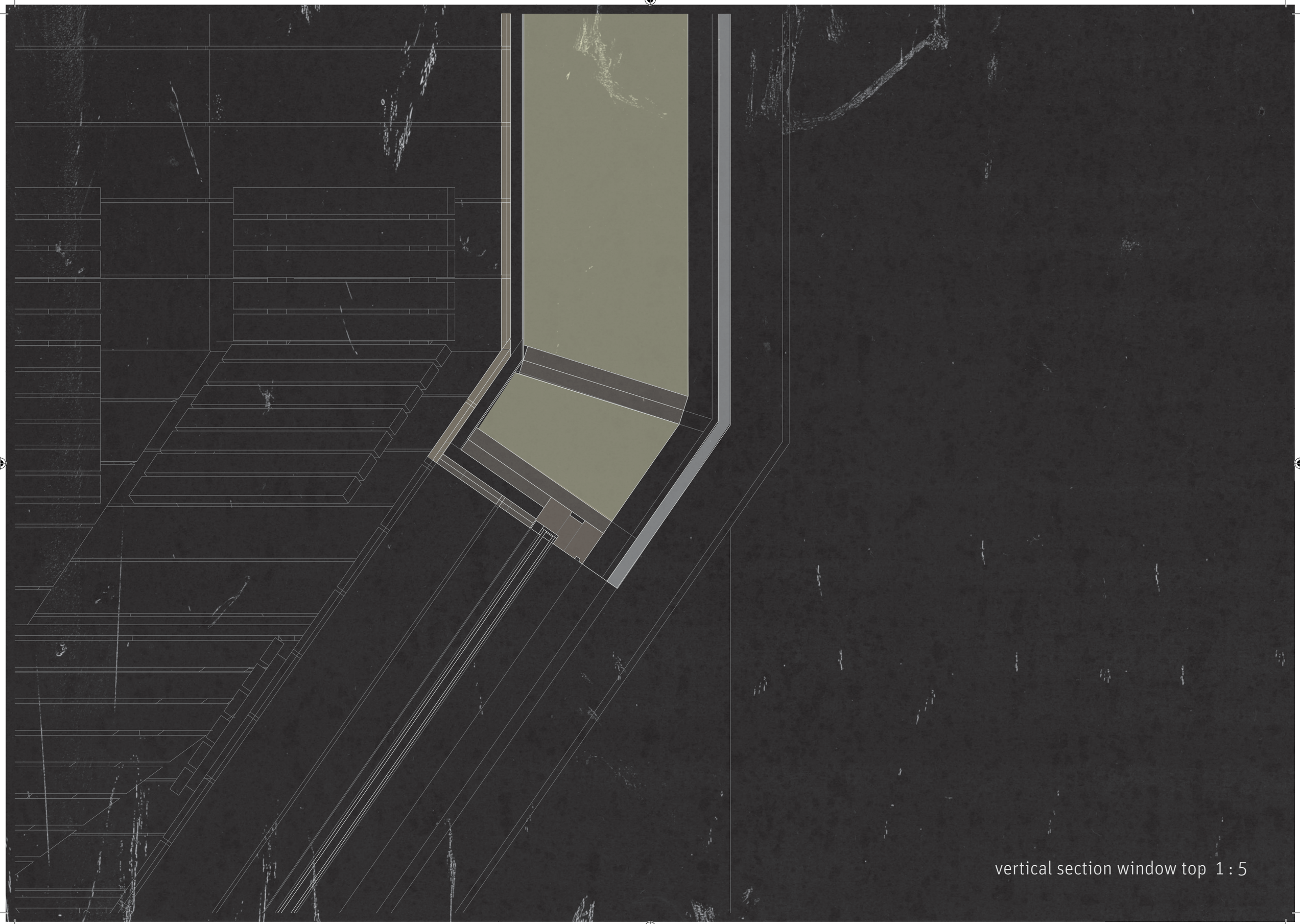
siding (alder) 18
battens 18
aluminium vapour barrier
betonplex box / reeds 286
cavity 50 (rubber 10)
steel 20

duck board (removable wooden flooring) 48
EPDM
sloped insulation 40-70
betonplex 24
beam/reeds 120
beam reeds 120
batten 32

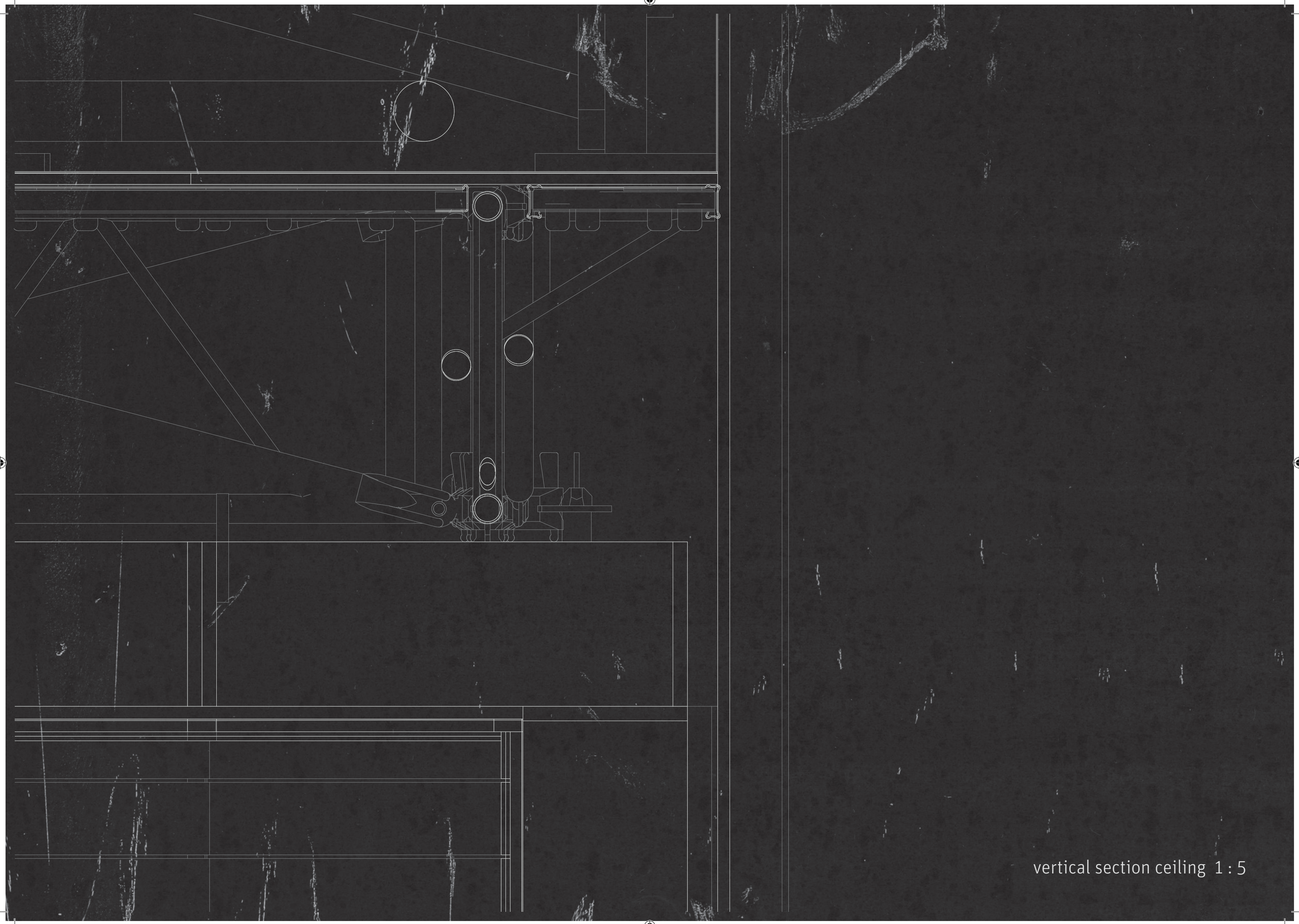
vertical section floor 1 : 5



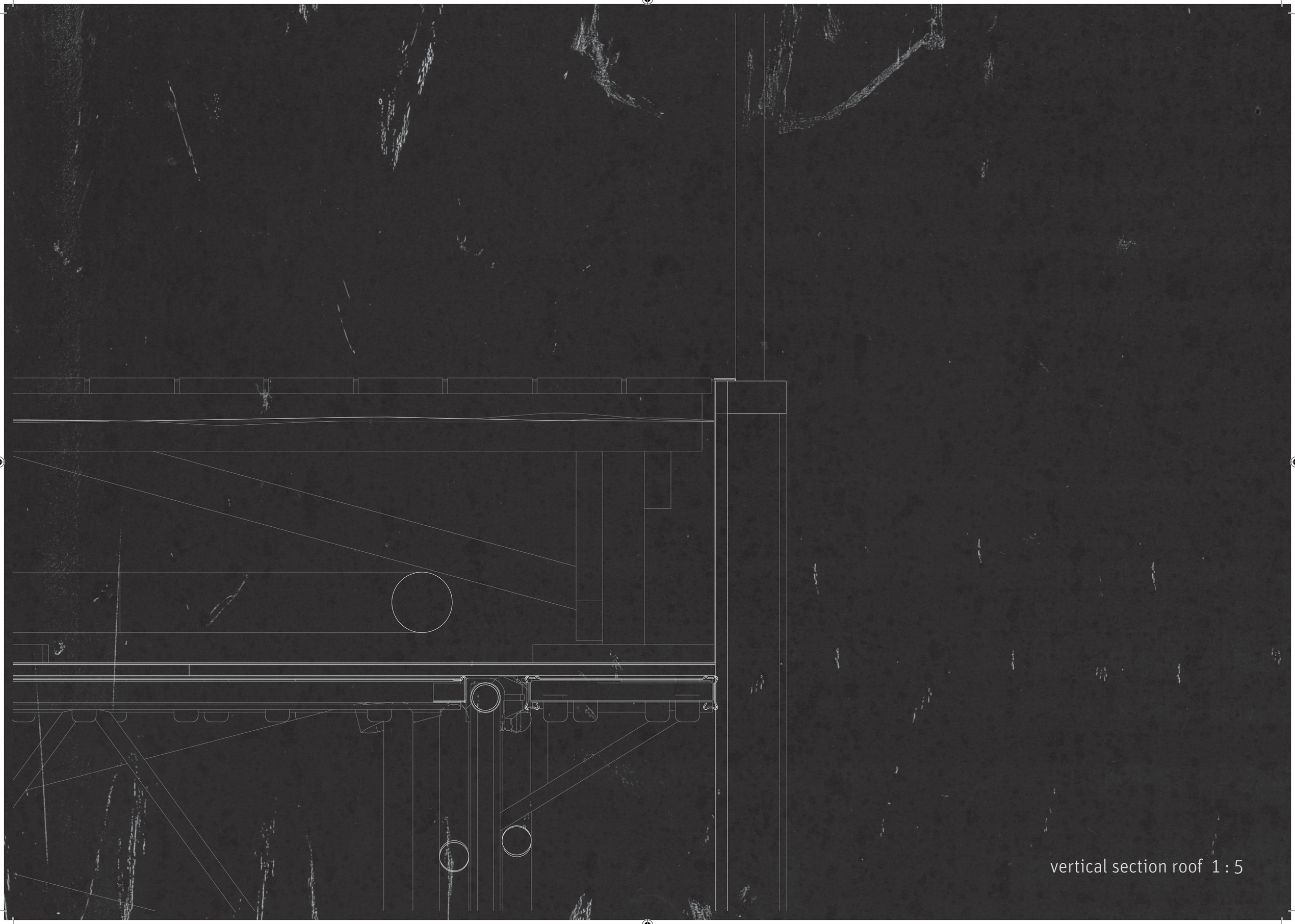
vertical section window bottom 1 : 5



vertical section window top 1 : 5



vertical section ceiling 1 : 5



vertical section roof 1 : 5