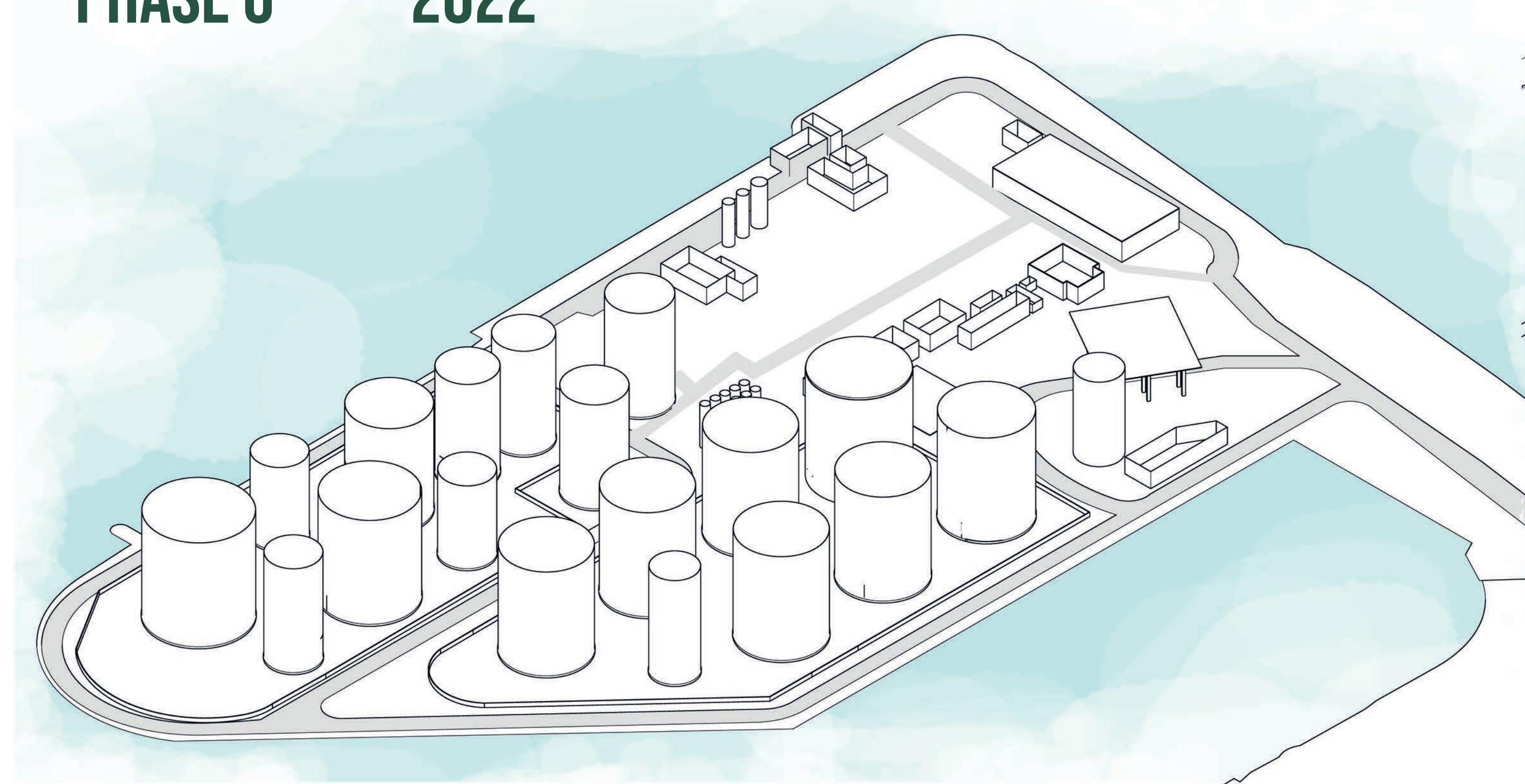


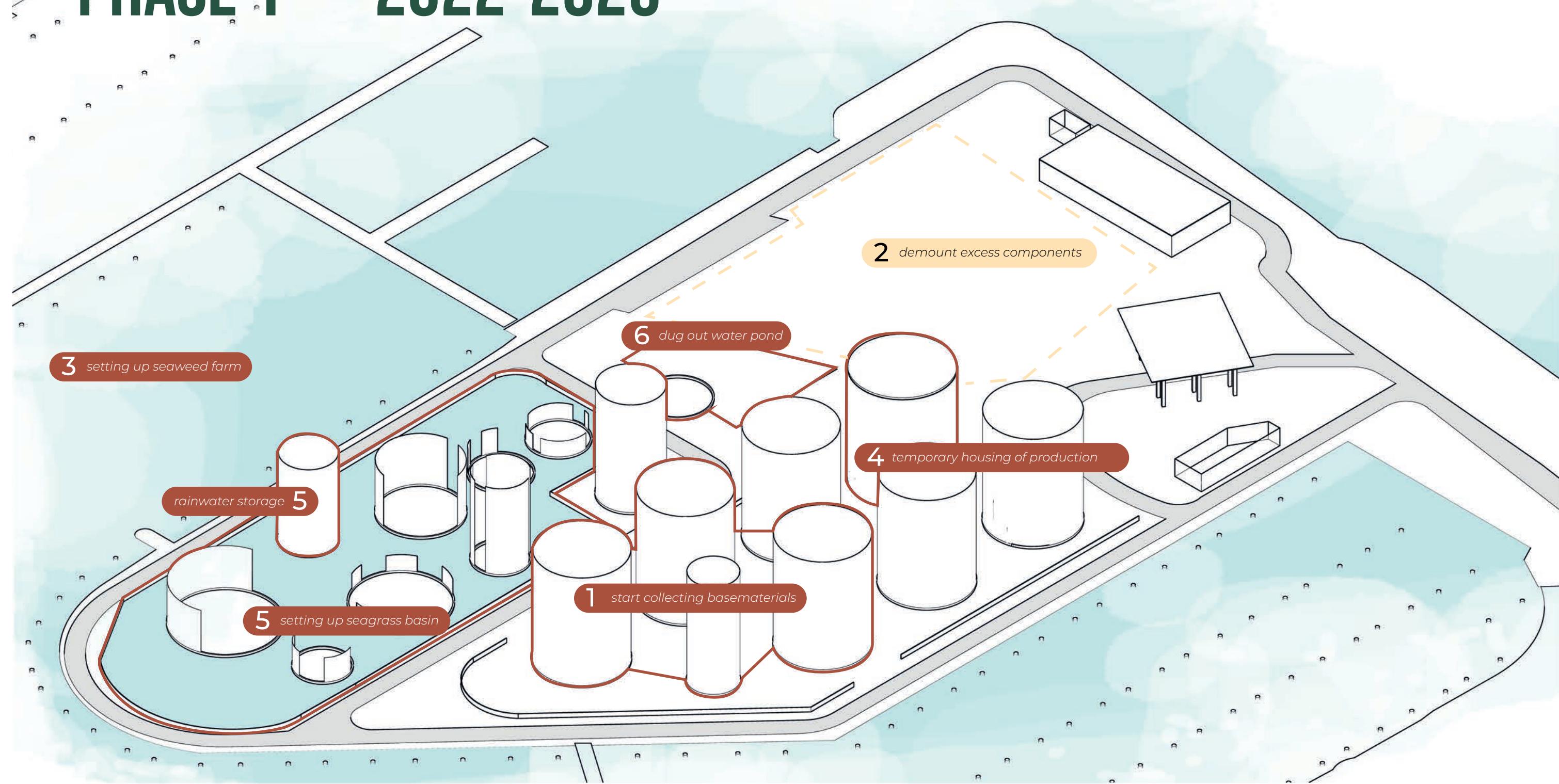
# WIERDOK

SEAWEEDFARM, SEAWEEDLOAMBRICK FACTORY AND EXPLORATION SITE

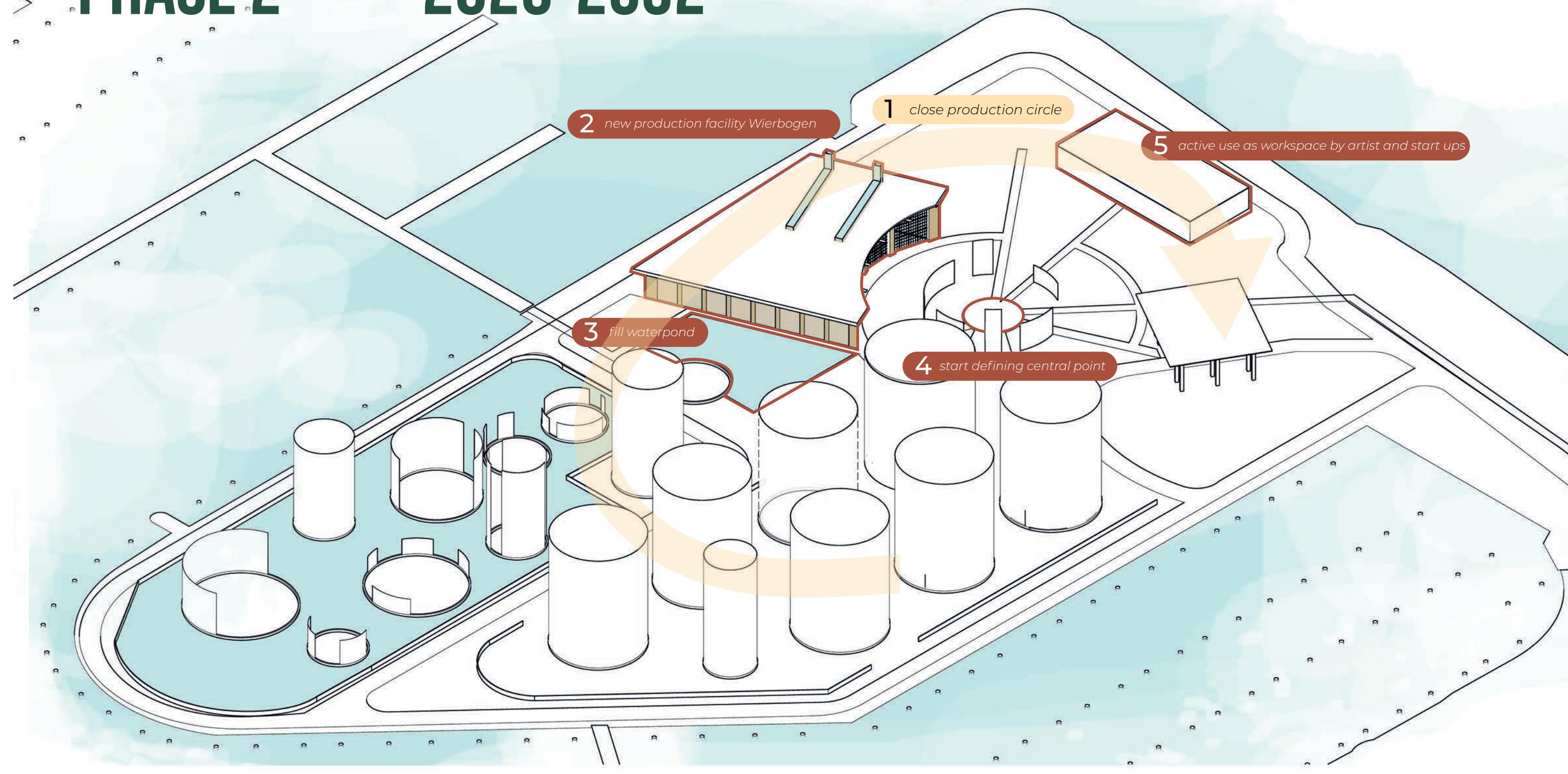
**EXISTING SITUATION  
PHASE 0 2022**



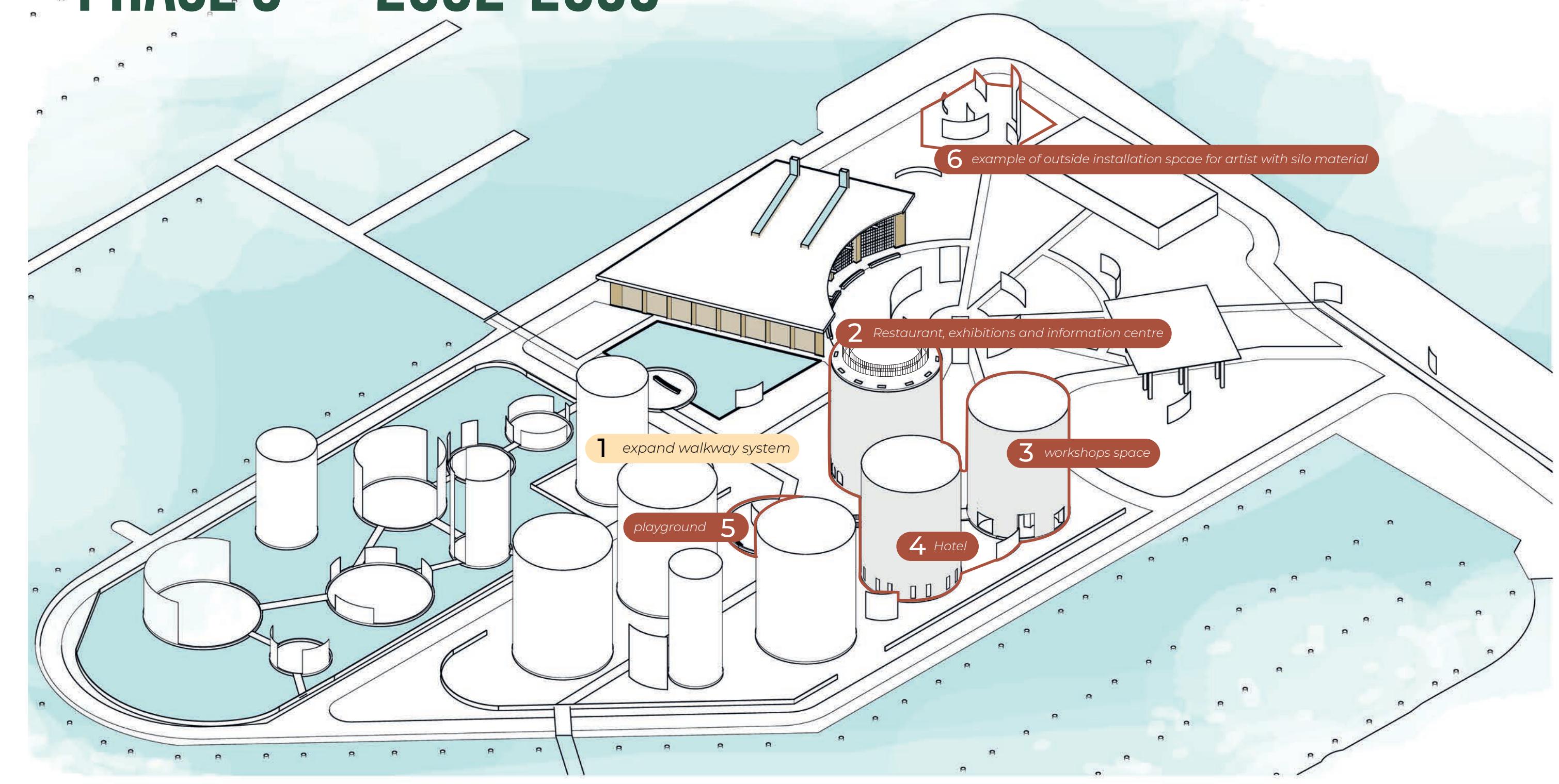
**WIERDOK AS SEAWEEDFARM  
PHASE 1 2022-2026**



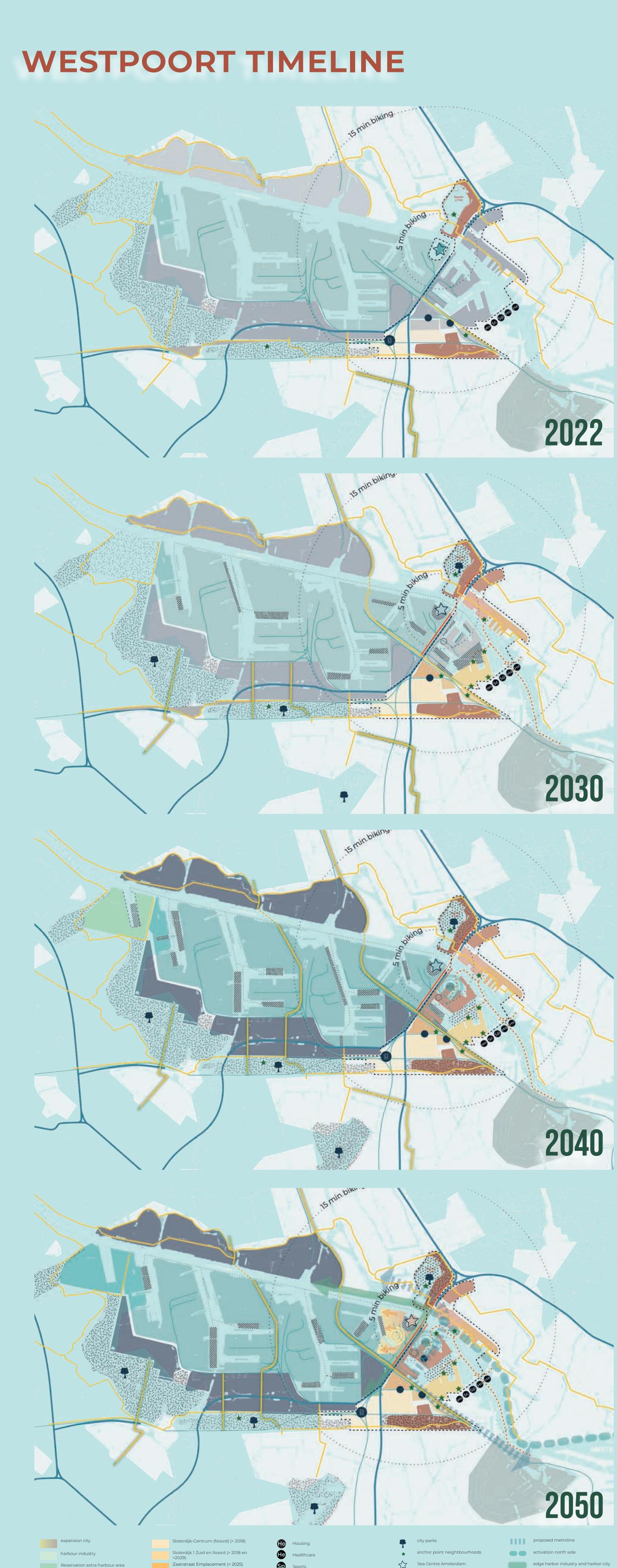
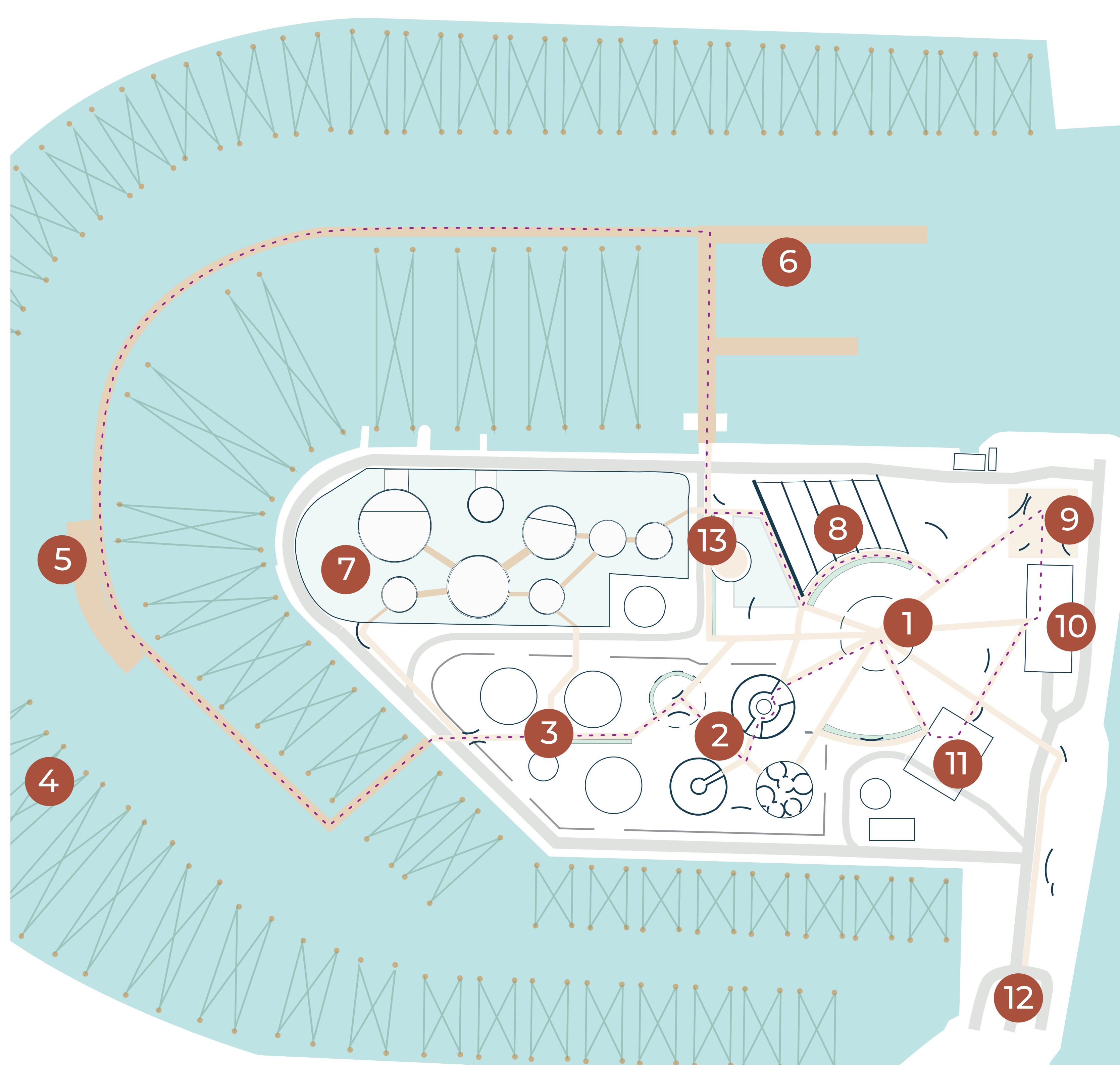
**WIERDOK AS PRODUCTION SITE  
PHASE 2 2026-2032**



**WIERDOK AS EXPERIENCE  
PHASE 3 2032-2039**



**WIERDOK 2045  
SITE PLAN 1:1000**



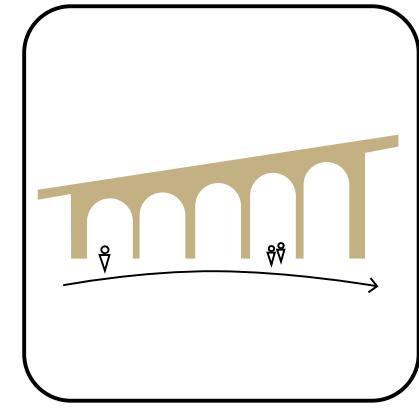
# WITERDOK

# SEAWEEDFARM, SEAWEEDLOAMBRICK FACTORY AND EXPLORATION SITE



8

# production facilities



An icon depicting a central red circle with a smaller white circle inside, surrounded by a dashed red horizontal line. Above the line, there are several light brown shapes resembling puzzle pieces or arrows pointing right, and small brown circles. Below the line, there are red shapes resembling puzzle pieces or arrows pointing right.

A diagram showing three rounded rectangular windows arranged horizontally. Each window has a red semi-transparent overlay. A large yellow arrow at the bottom points from left to right, indicating the direction of transparency. Two small double-headed arrows between the windows indicate that the transparency is applied across all three windows simultaneously.

The diagram illustrates a cross-section of a Trombe wall system. It features a thick outer wall made of 'loam seaweed brick' at the bottom and 'vaults in loam seaweed brick' at the top. A smaller inner wall, also made of 'loam seaweed brick', is positioned inside the outer wall. A curved arrow points from the text 'Trombe wall in loam seaweed brick' to the inner wall, and another arrow points from the text 'vaults in loam seaweed brick' to the top section of the outer wall.

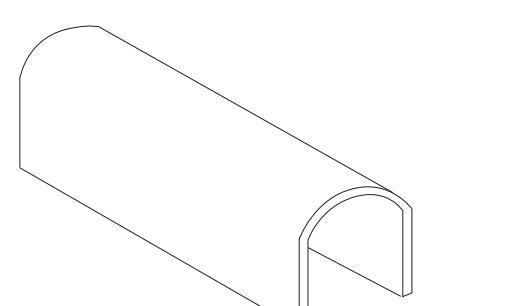
people and

full transparency in

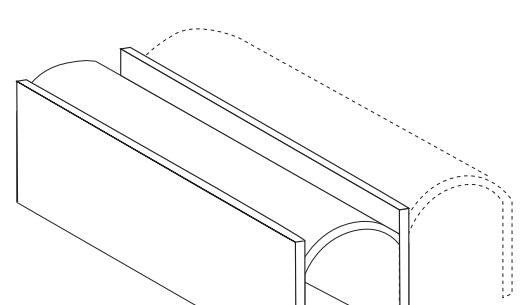
showcase of

# WIERBOGEN - VAULT

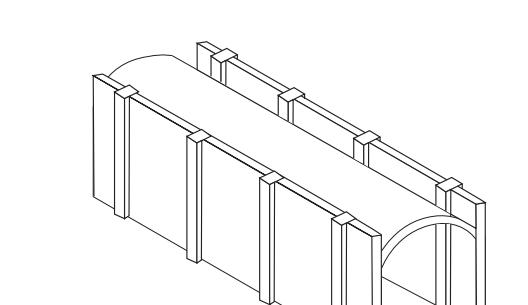
# WIERBOGEN - AXONOMETRY LOAD BEARING STRUCTURE



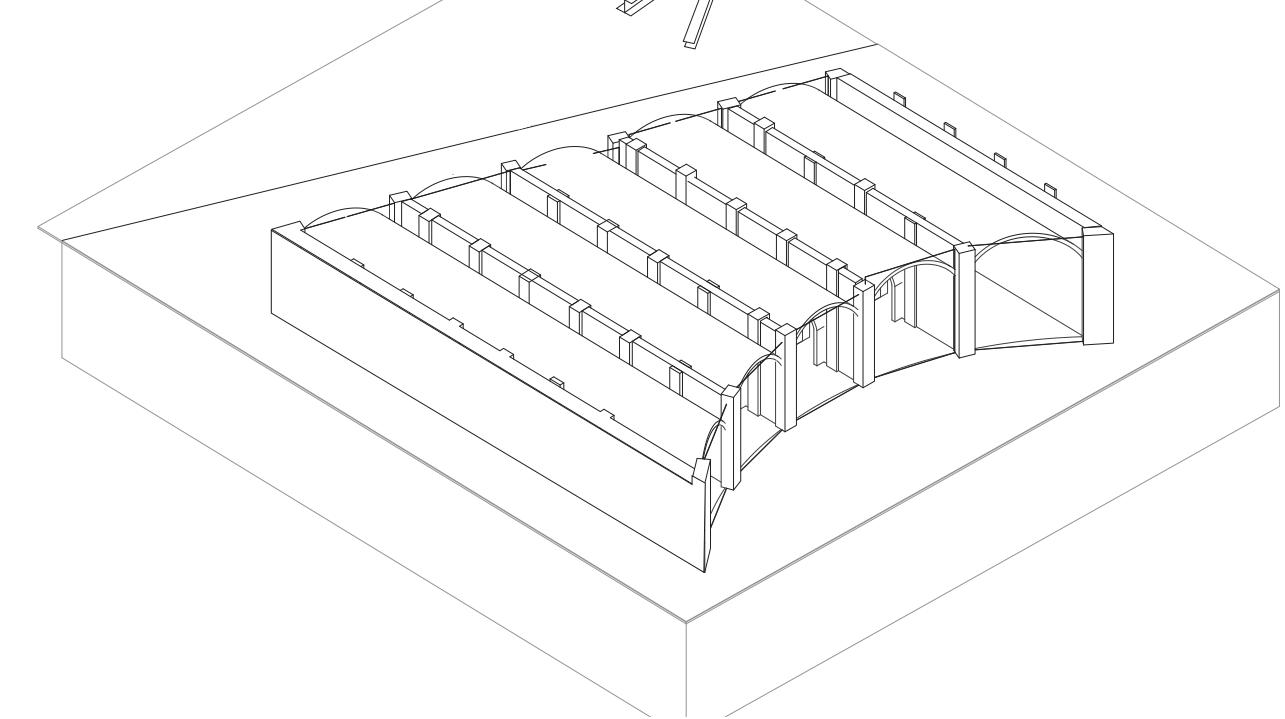
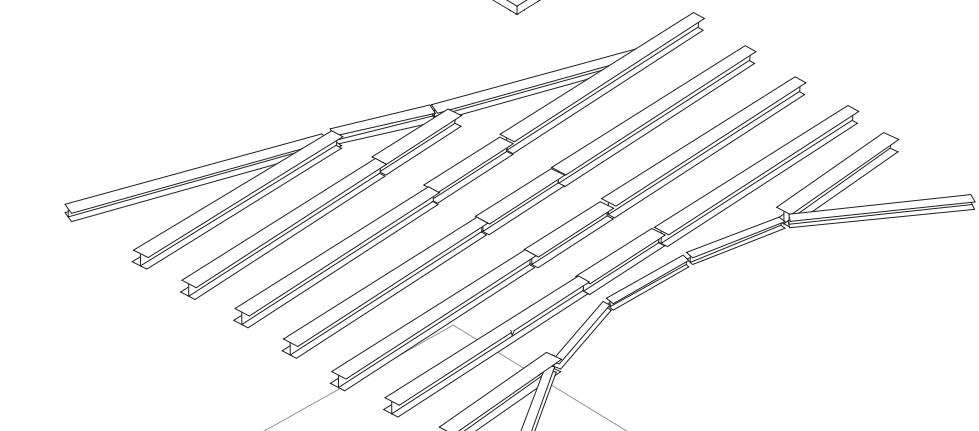
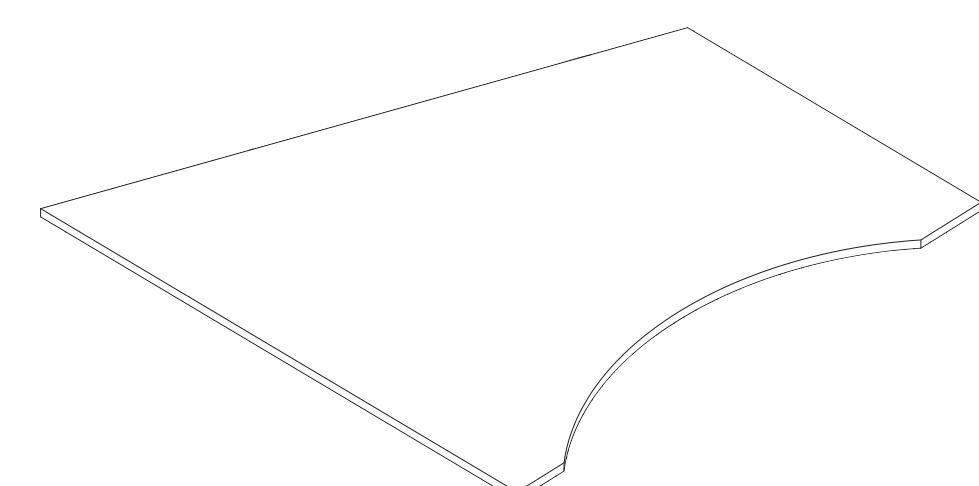
Barrel Vault, inverted catenary curve



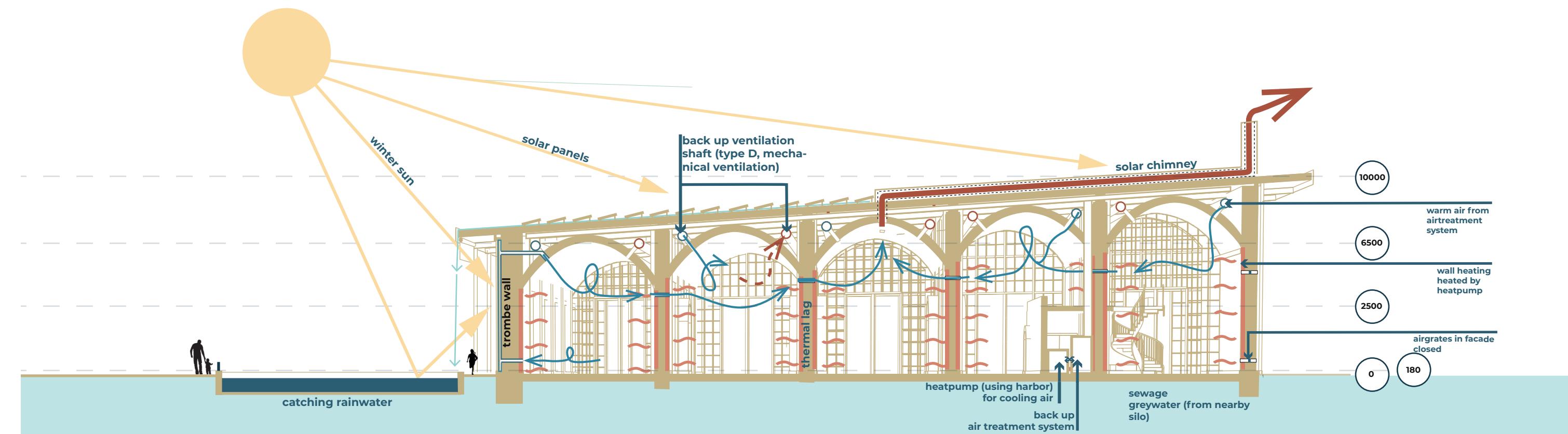
mirroring vault to neutralize horizontal load &



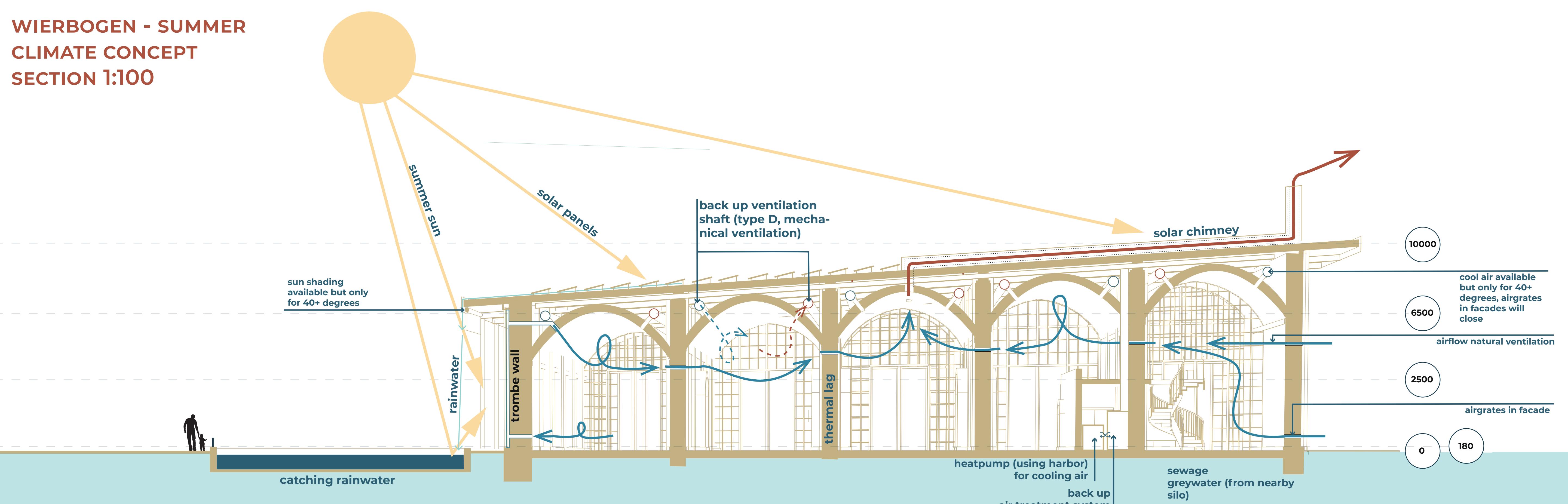
using buttresses to prevent buckling when



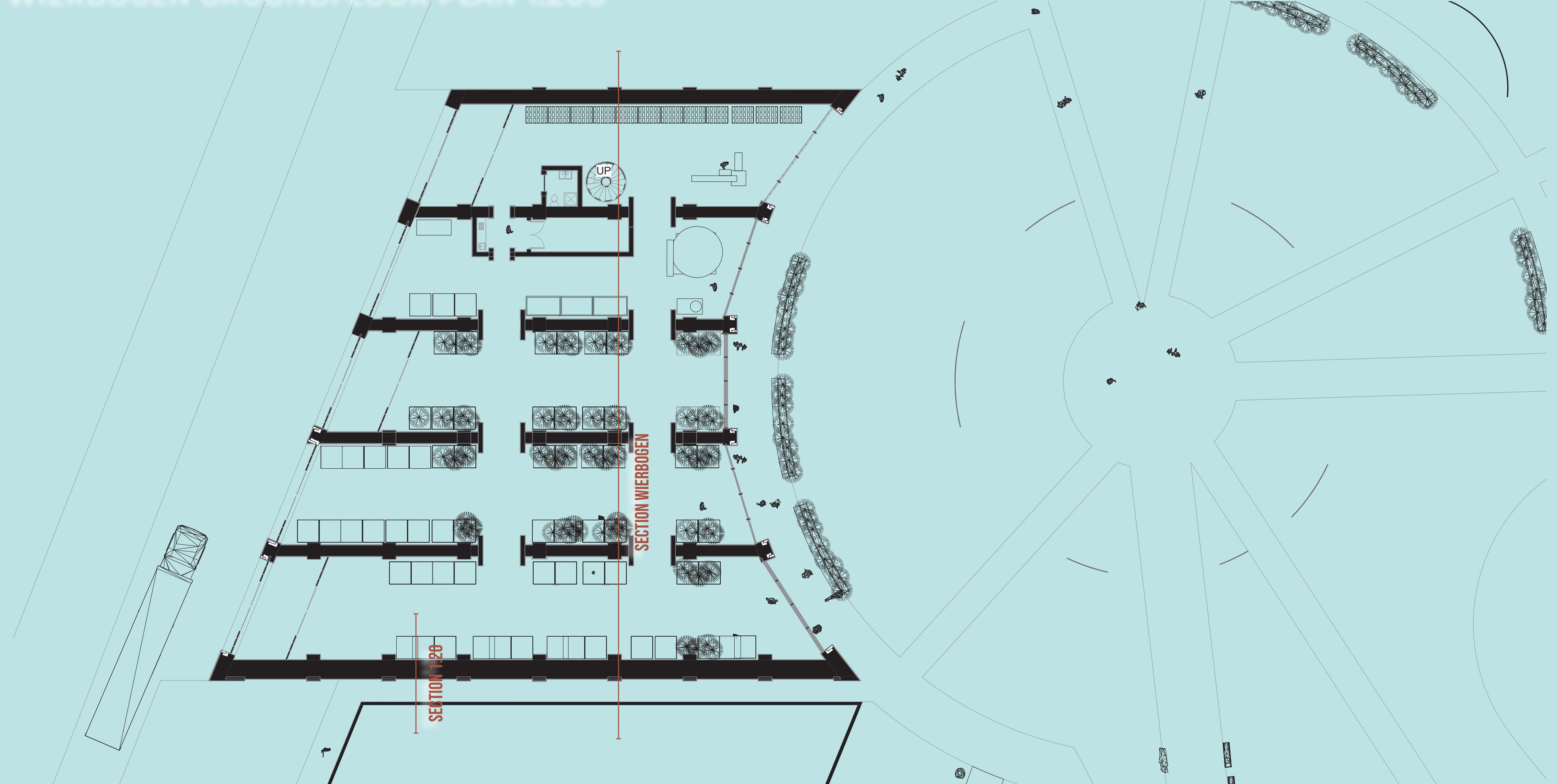
WIERBOGEN - WINTER CLIMATE CONCEPT SECTION 1:200



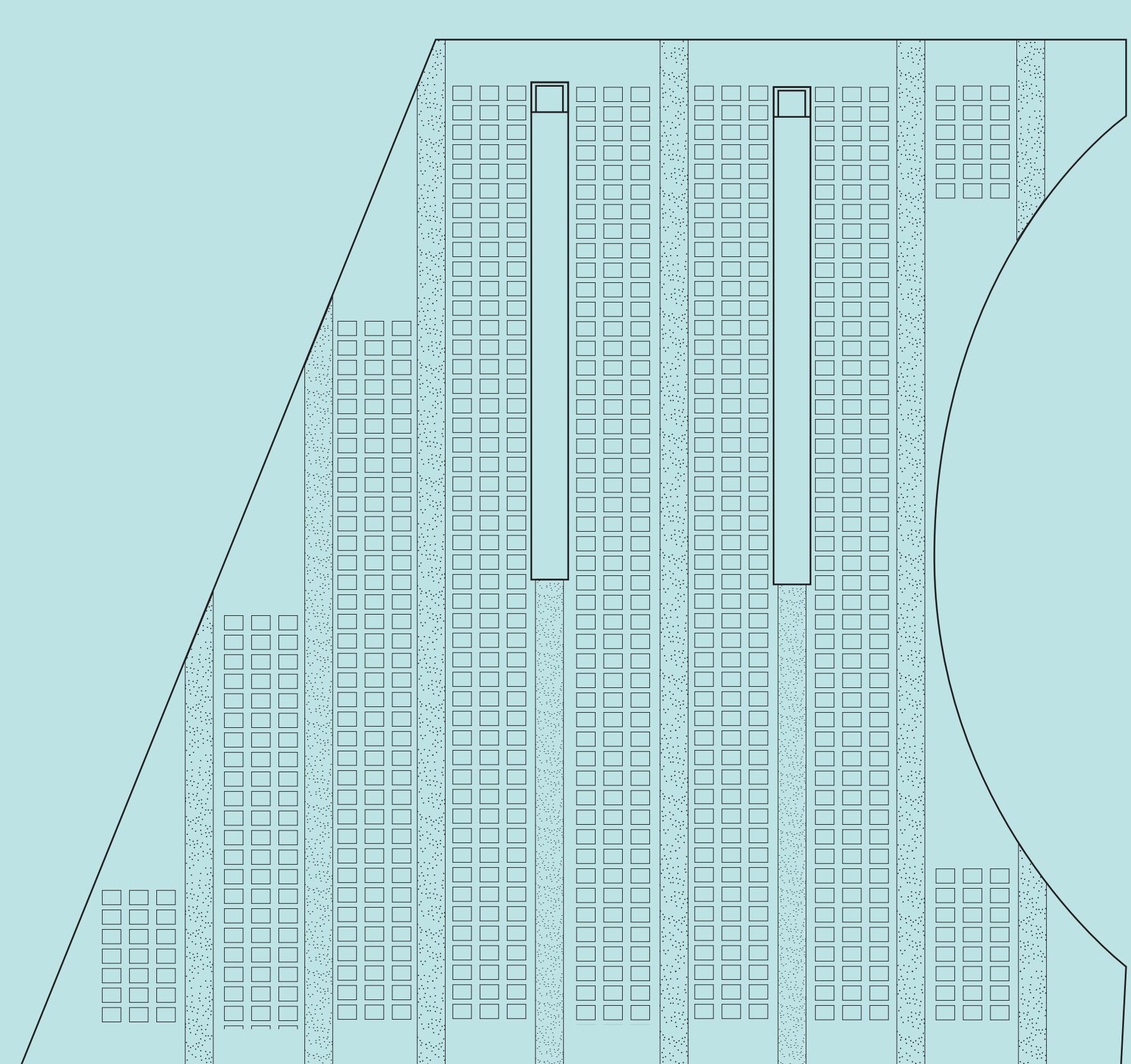
# WIERBOGEN - SUMMER CLIMATE CONCEPT SECTION 1:100



## **WIERBOGEN GROUNDFLOOR PLAN 1:200**



# WIERBOGEN ROOFPLAN 1:200

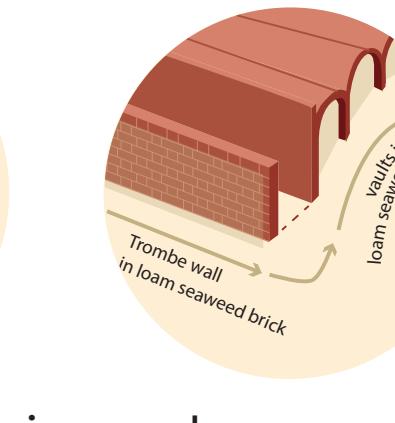
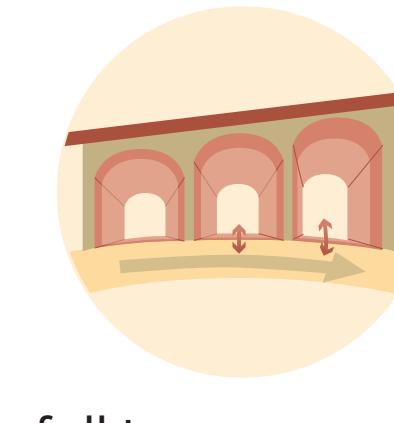
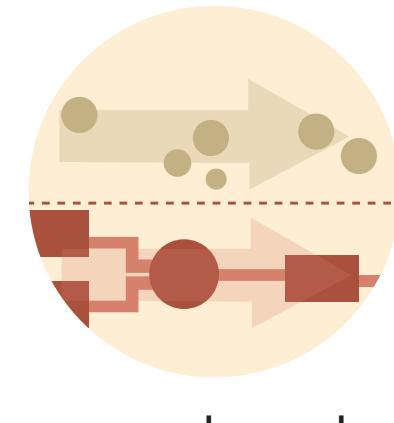
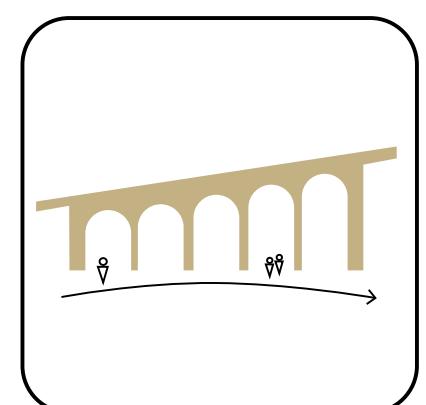


# WIERDOK

SEAWEEDFARM, SEAWEEDLOAMBRICK FACTORY AND EXPLORATION SITE

8

production facilities

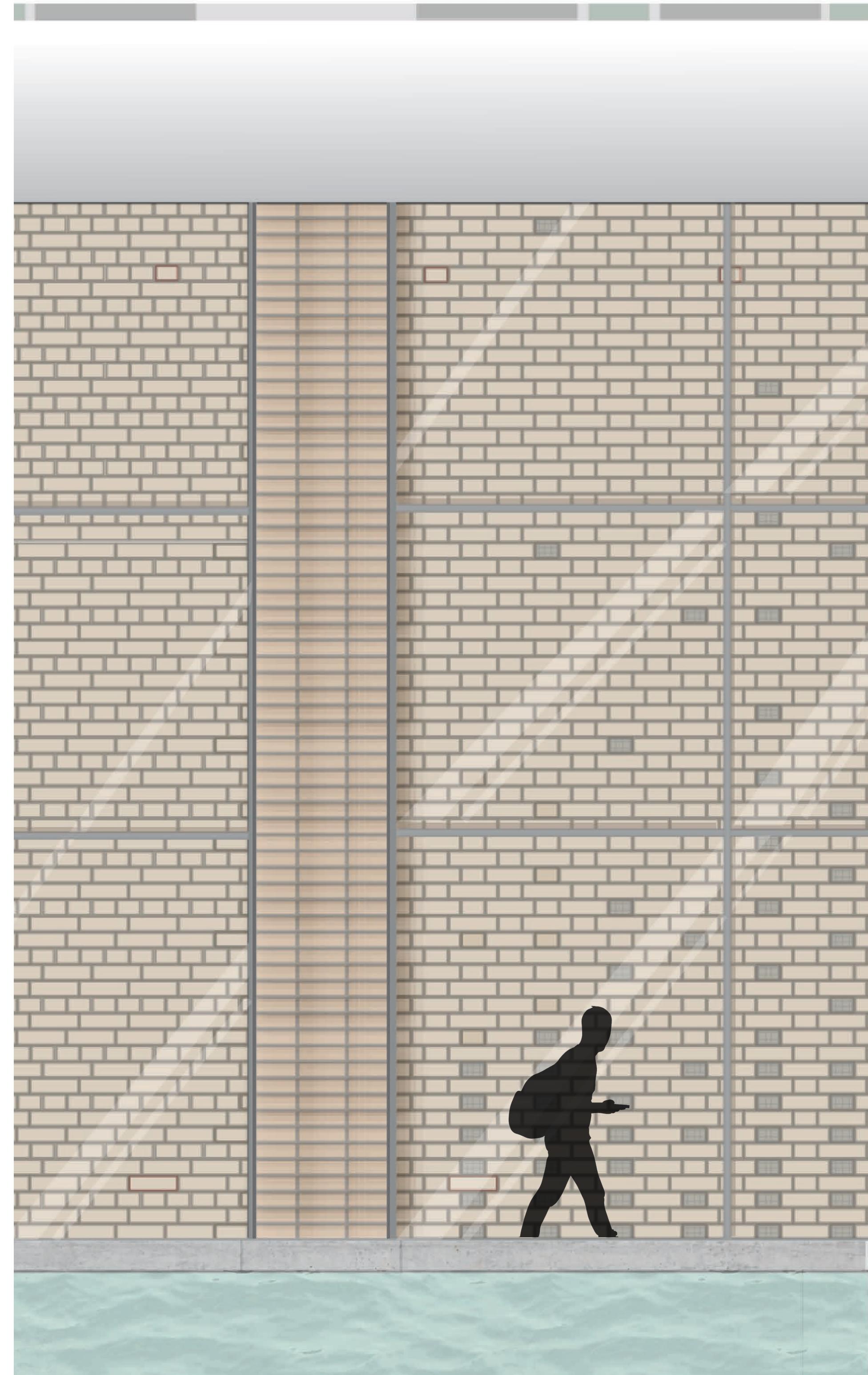


people and  
process parallel

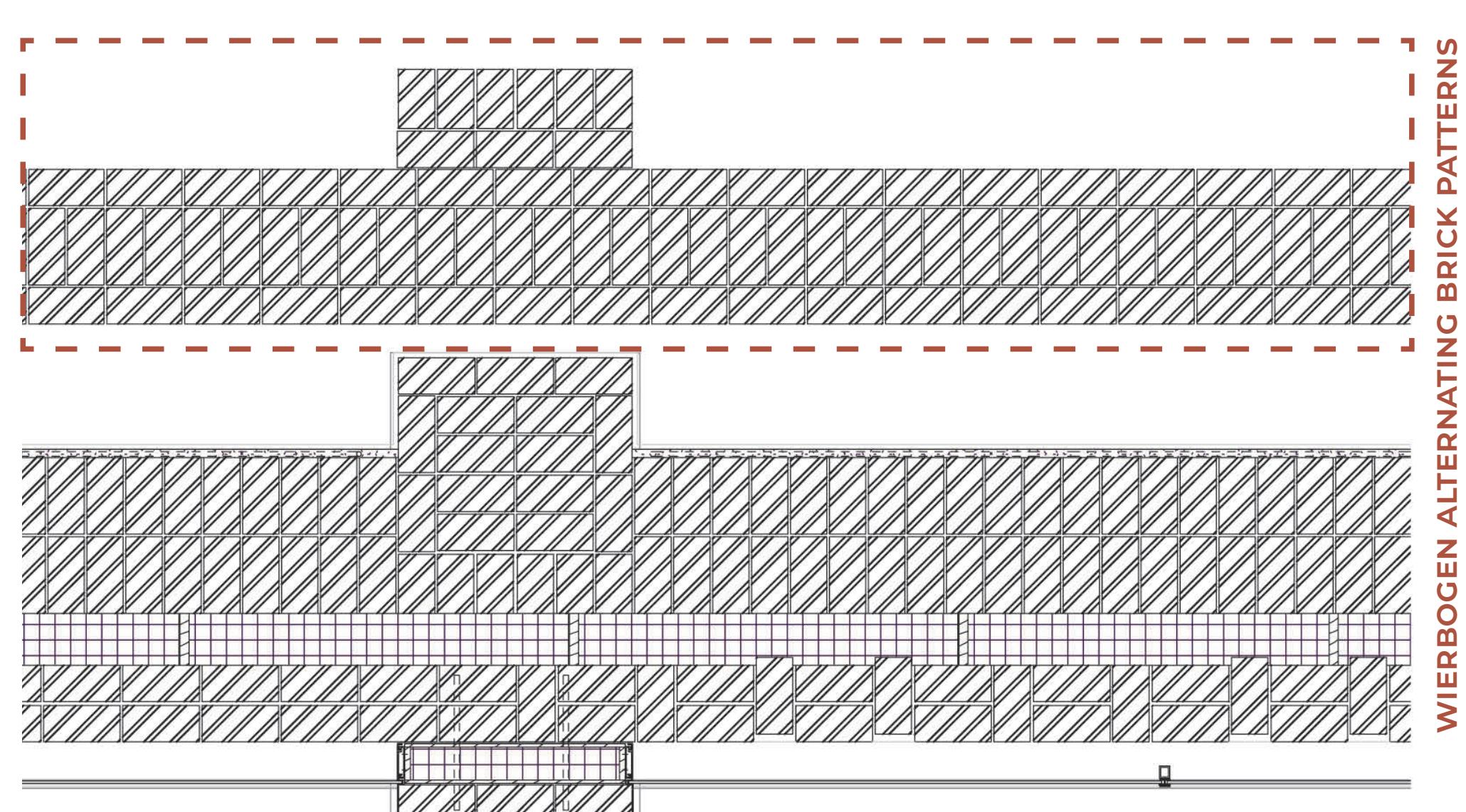
full transparency in  
production

showcase of  
material

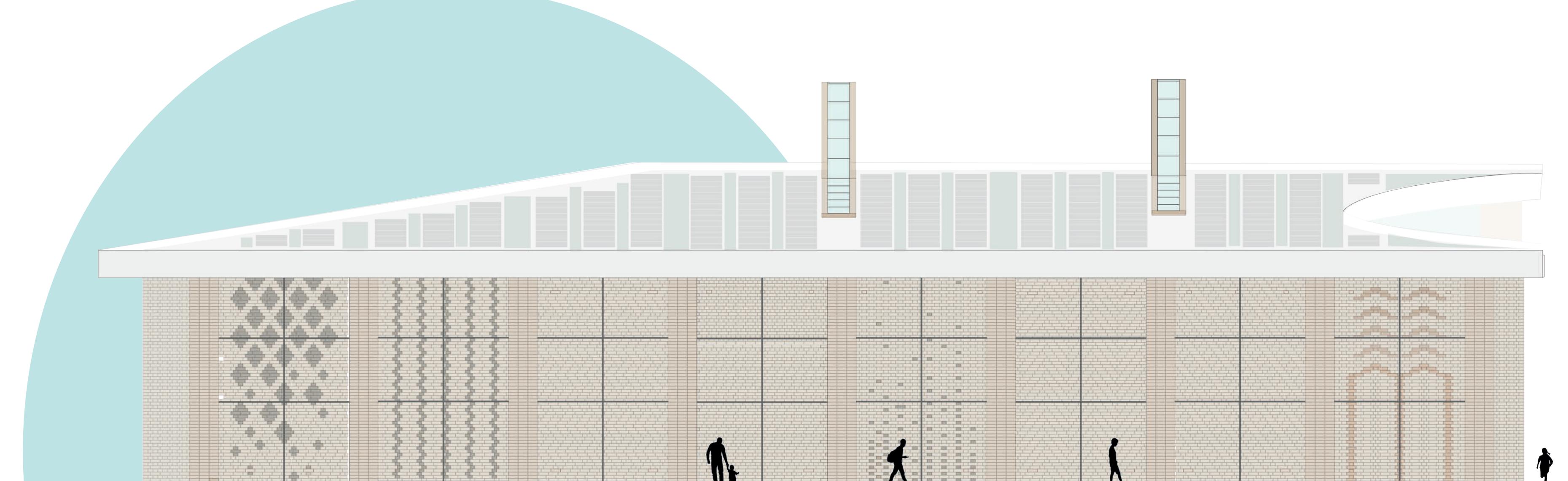
1:20 SECTION AND ELEVATION



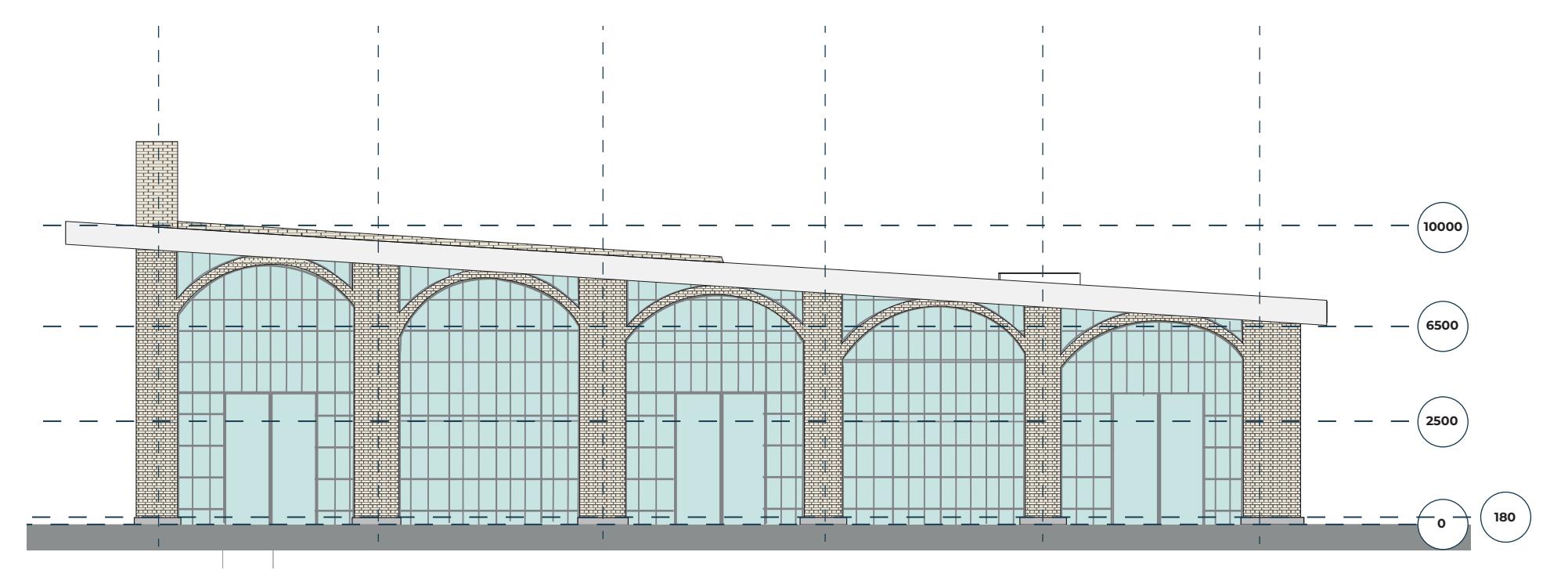
1:20 HORIZONTAL SECTION



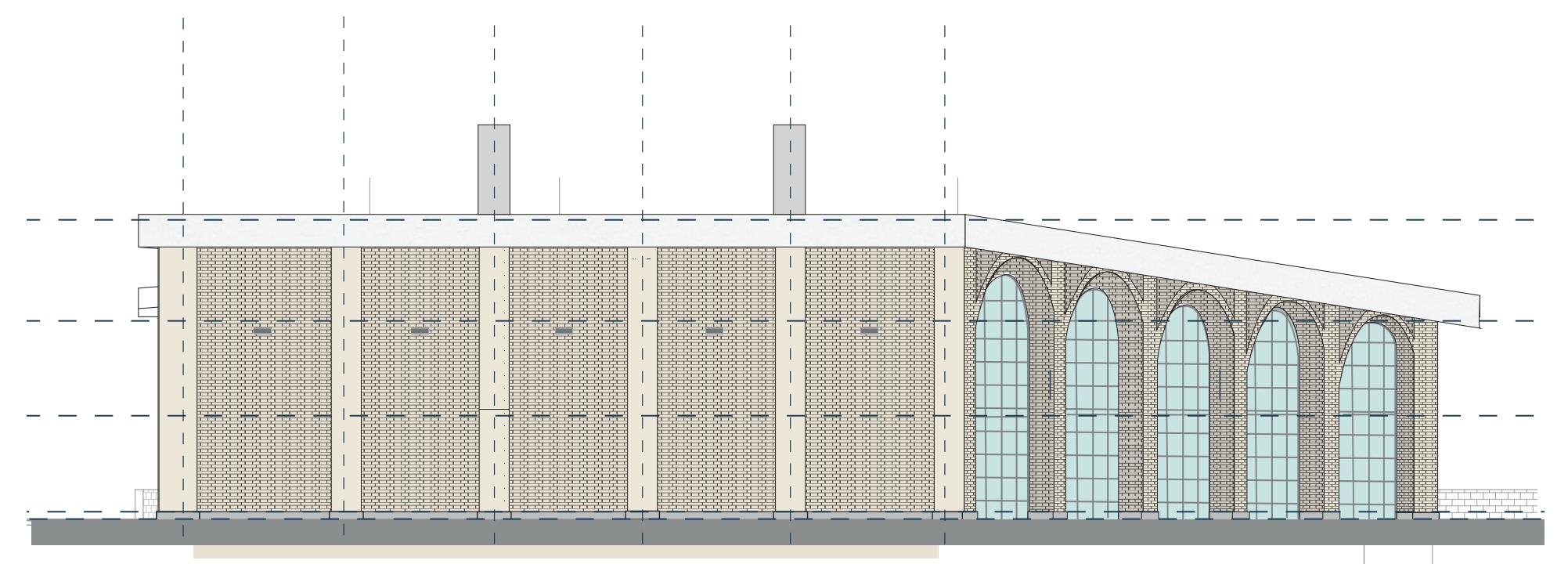
SILO SOUTH ELEVATION 1:100



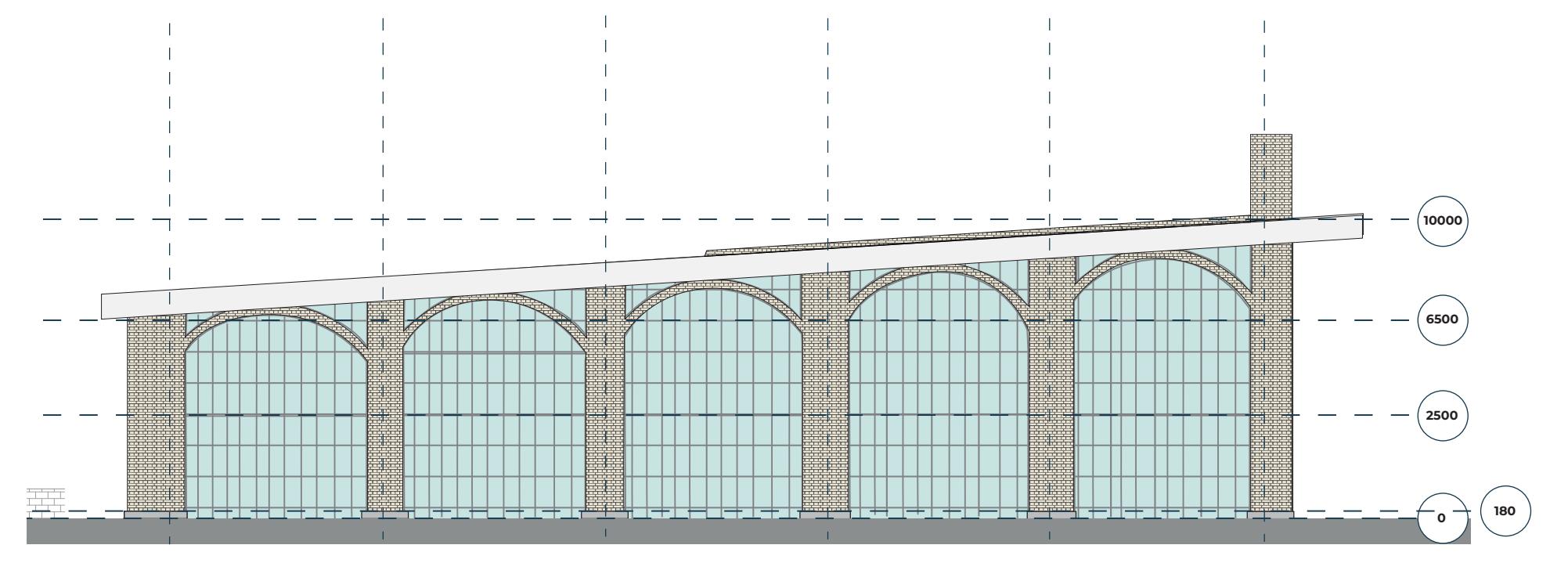
SILO WEST ELEVATION 1:200



SILO NORTH ELEVATION 1:200



SILO EAST ELEVATION 1:200

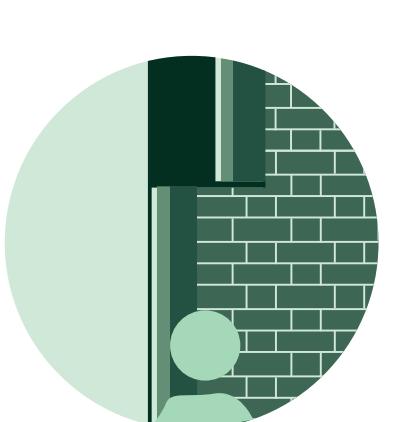
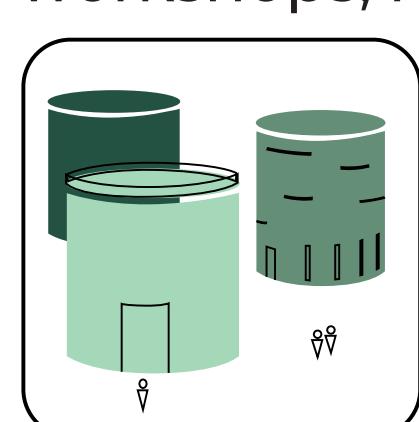


# WIERDOK

SEAWEEDFARM, SEAWEEDLOAMBRICK FACTORY AND EXPLORATION SITE

2

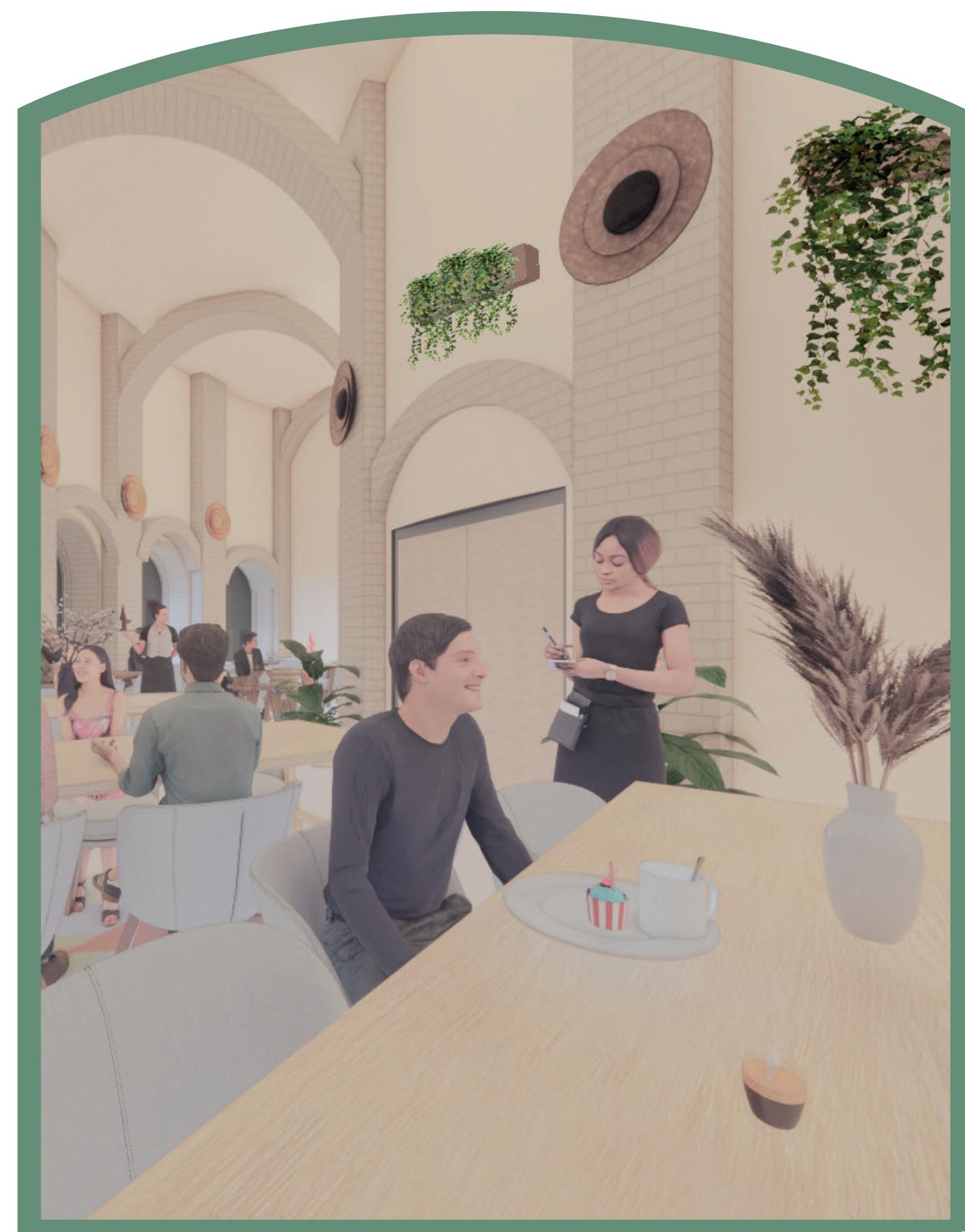
public space: restaurant, exhibition, panoramic view  
workshops, hotel



heritage of location

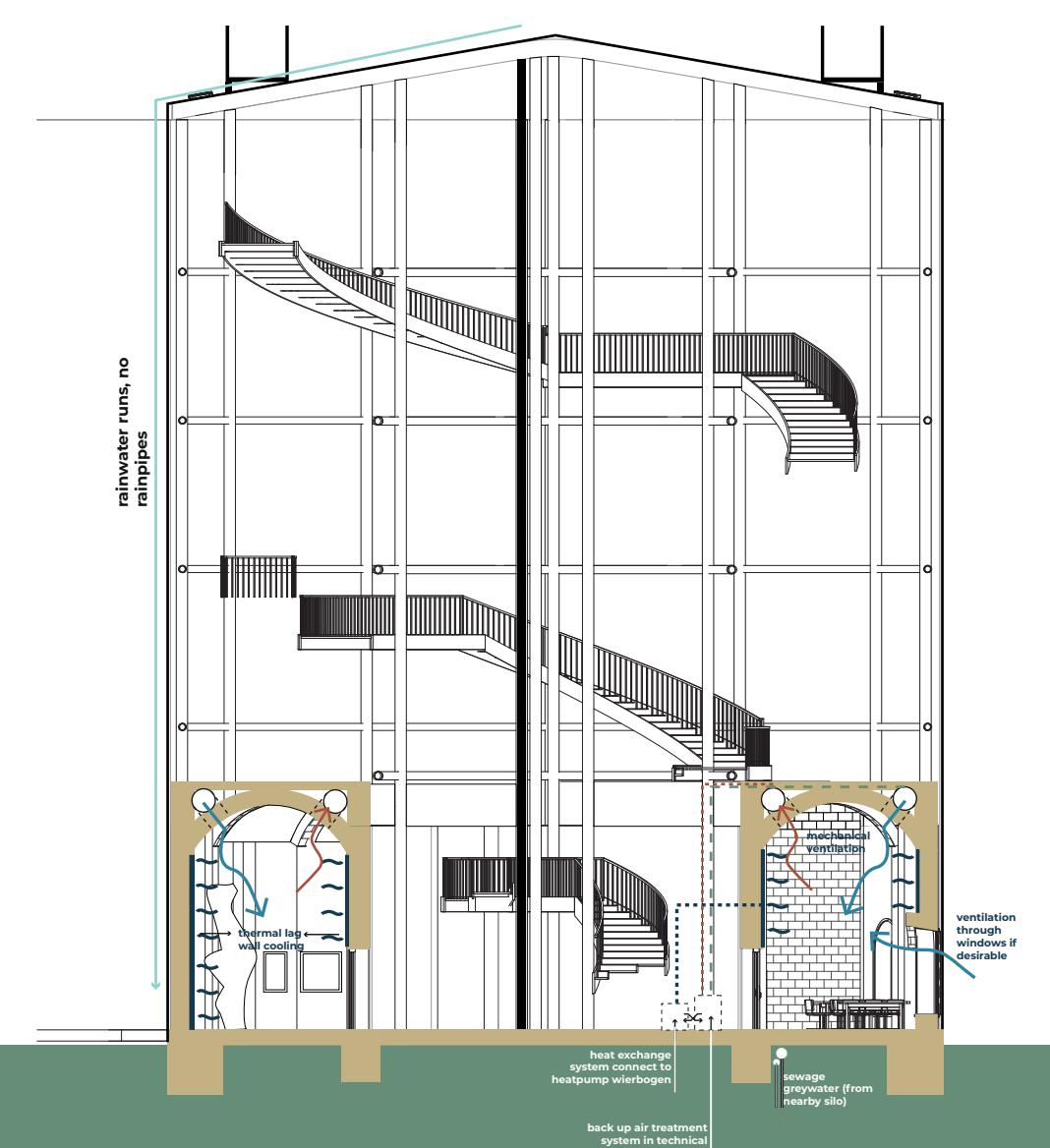
housing social and service functions

contrast old and new materials

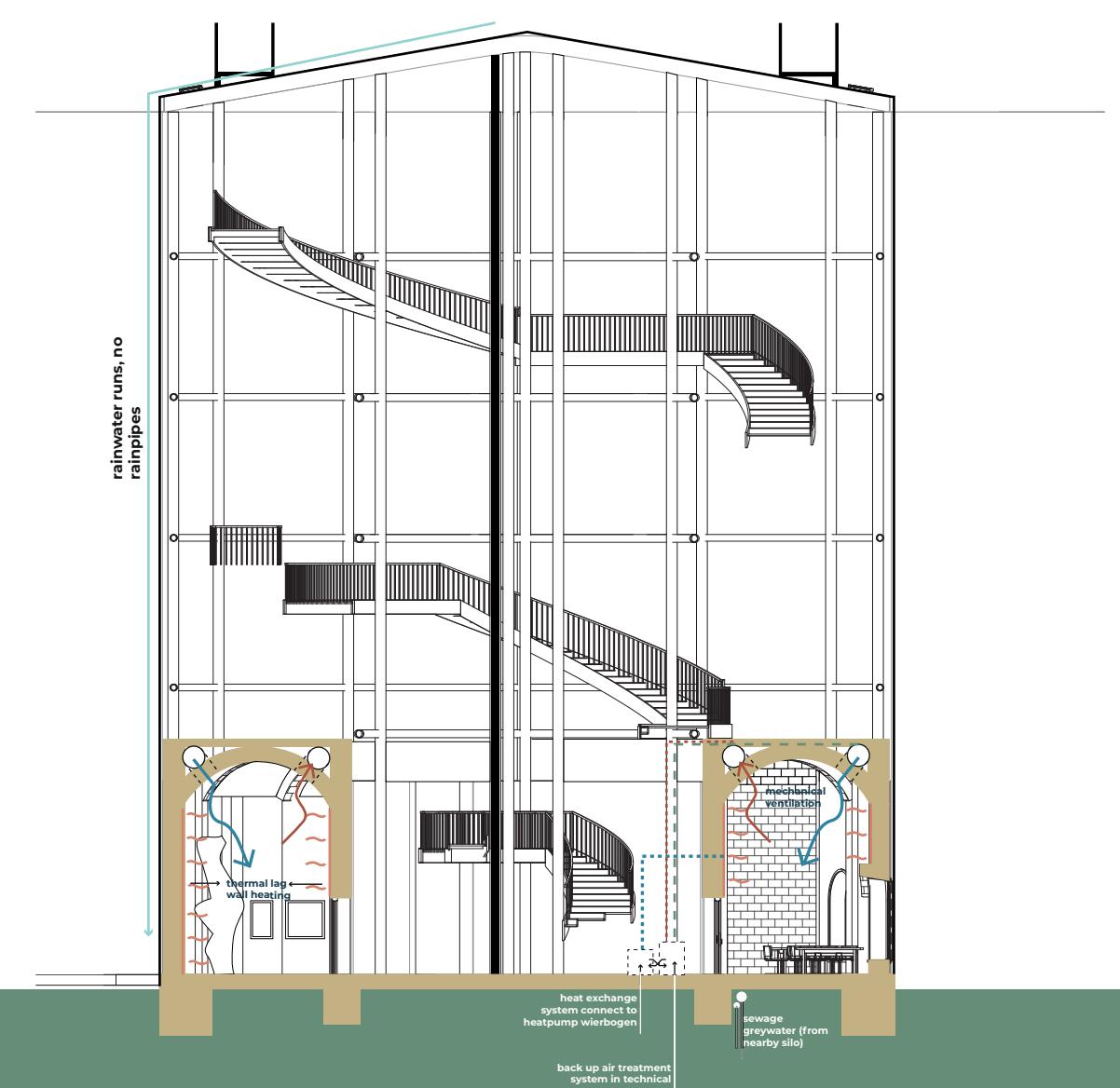


SILO SECTION CLIMATE CONCEPT 1:200

SUMMER

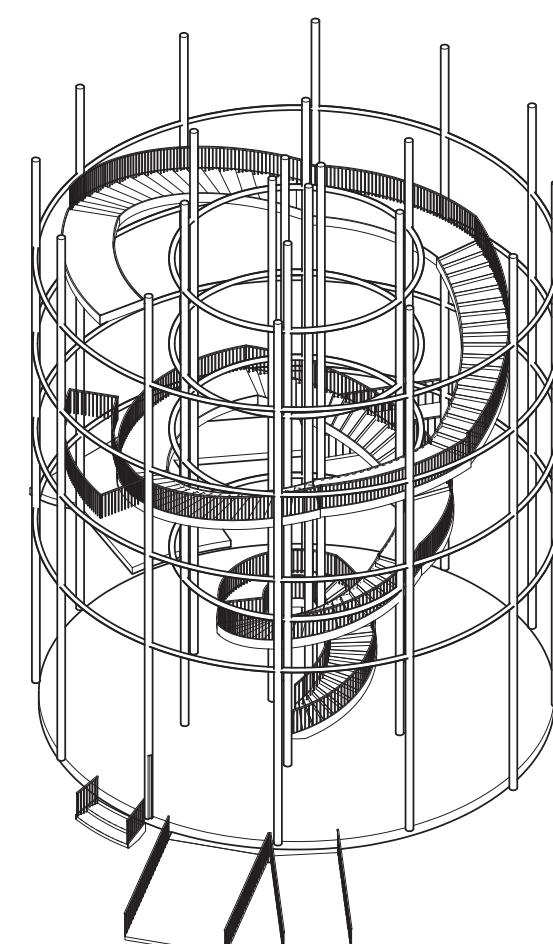


WINTER

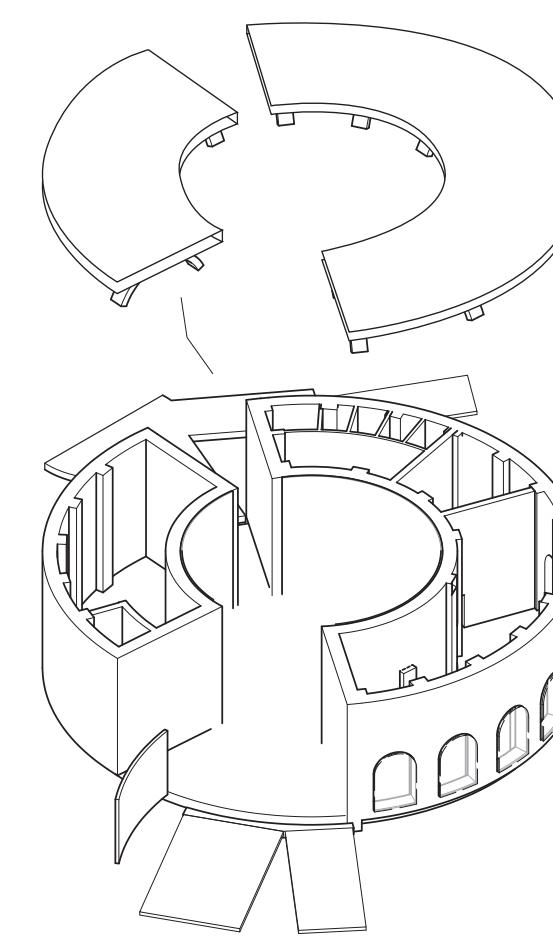


SILO LOAD BEARING STRUCTURES

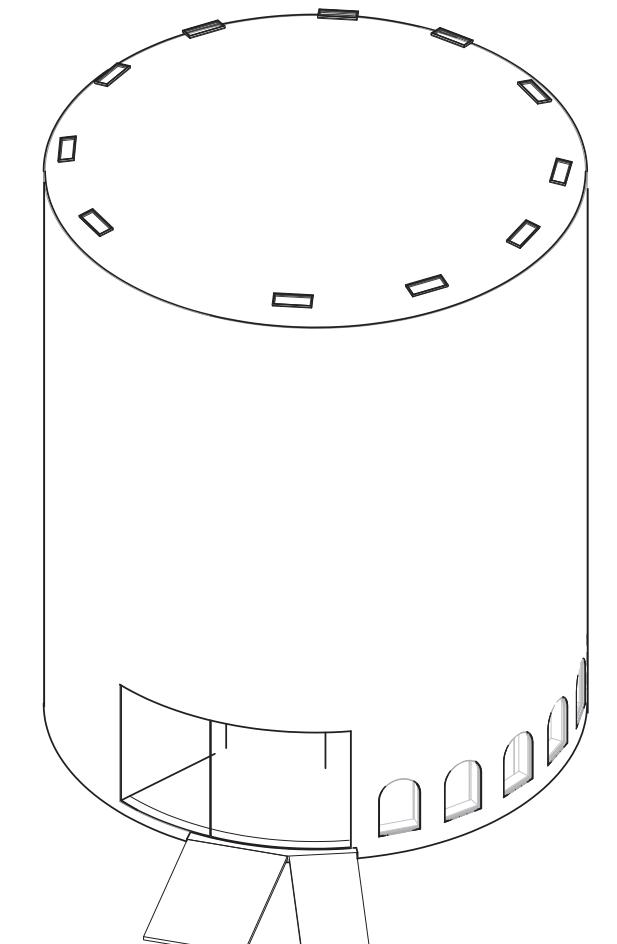
STAIR STRUCTURE  
FREESTANDING



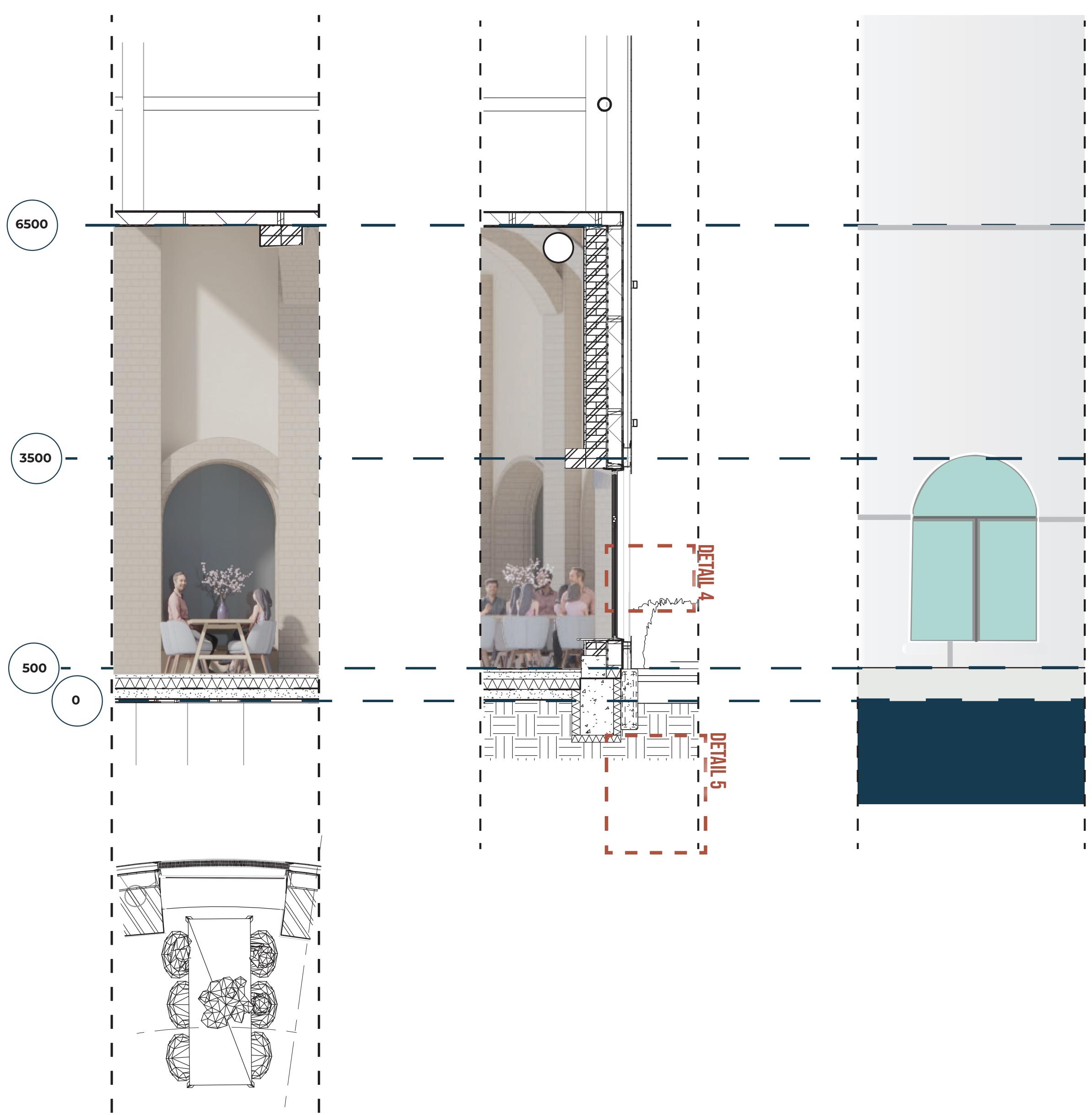
INSIDE SHELL  
SEAWEEDLOAMBRICK



OUTSIDE SHELL  
EXISTING

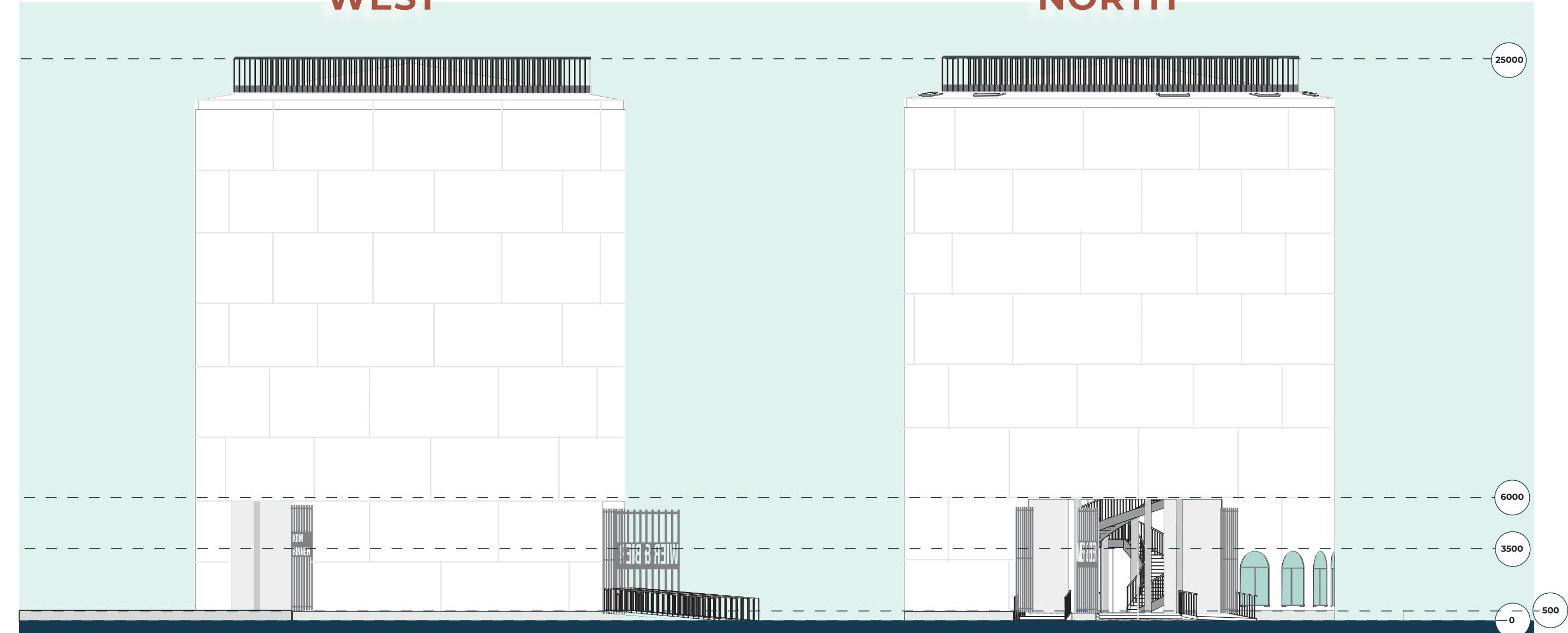


SILO 1:50



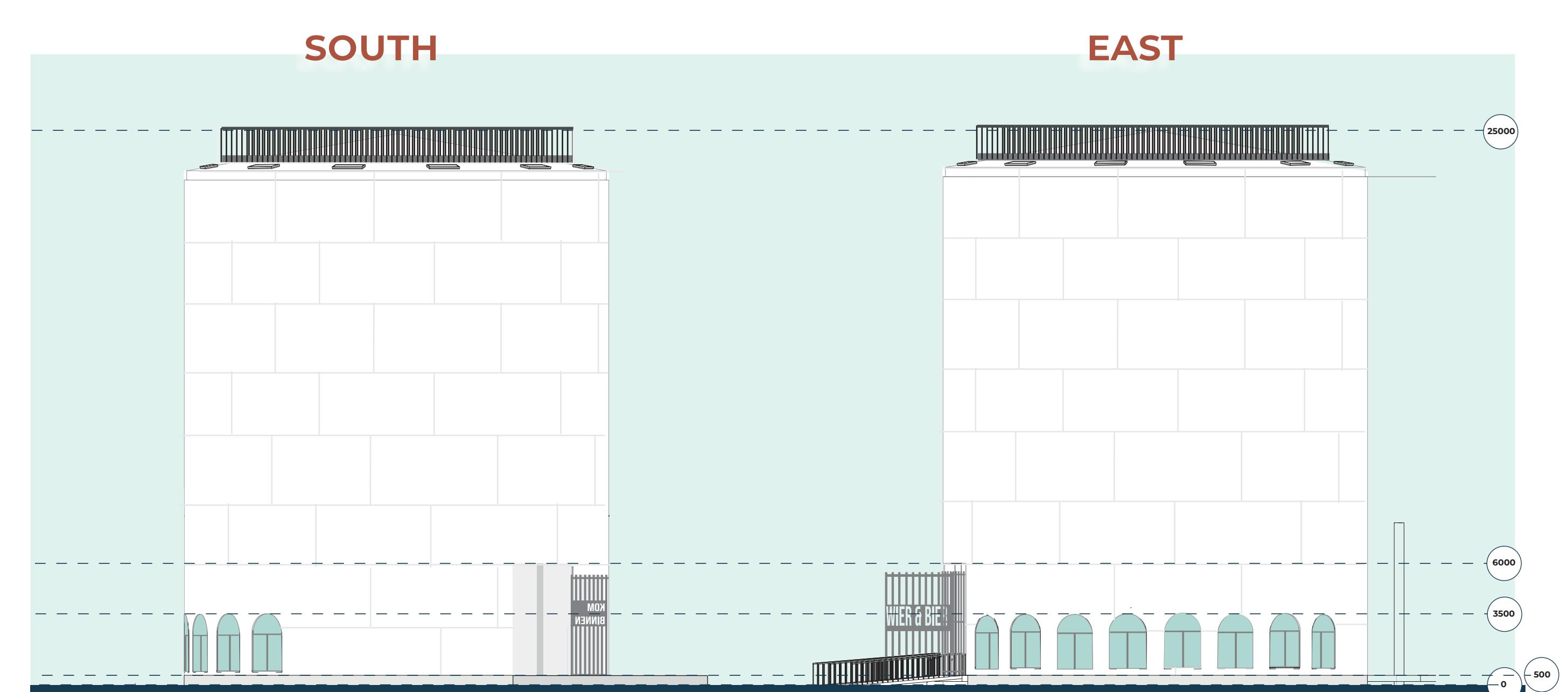
SILO ELEVATIONS 1:200

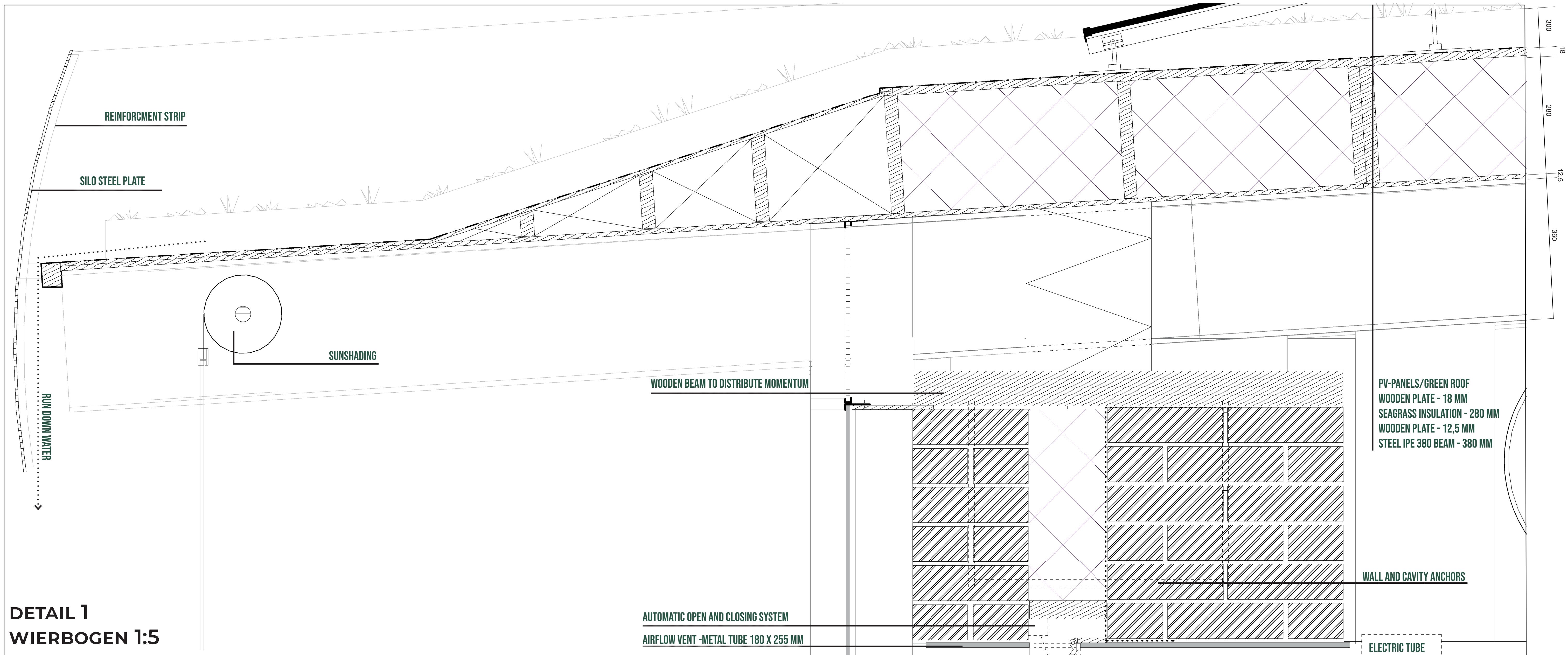
WEST



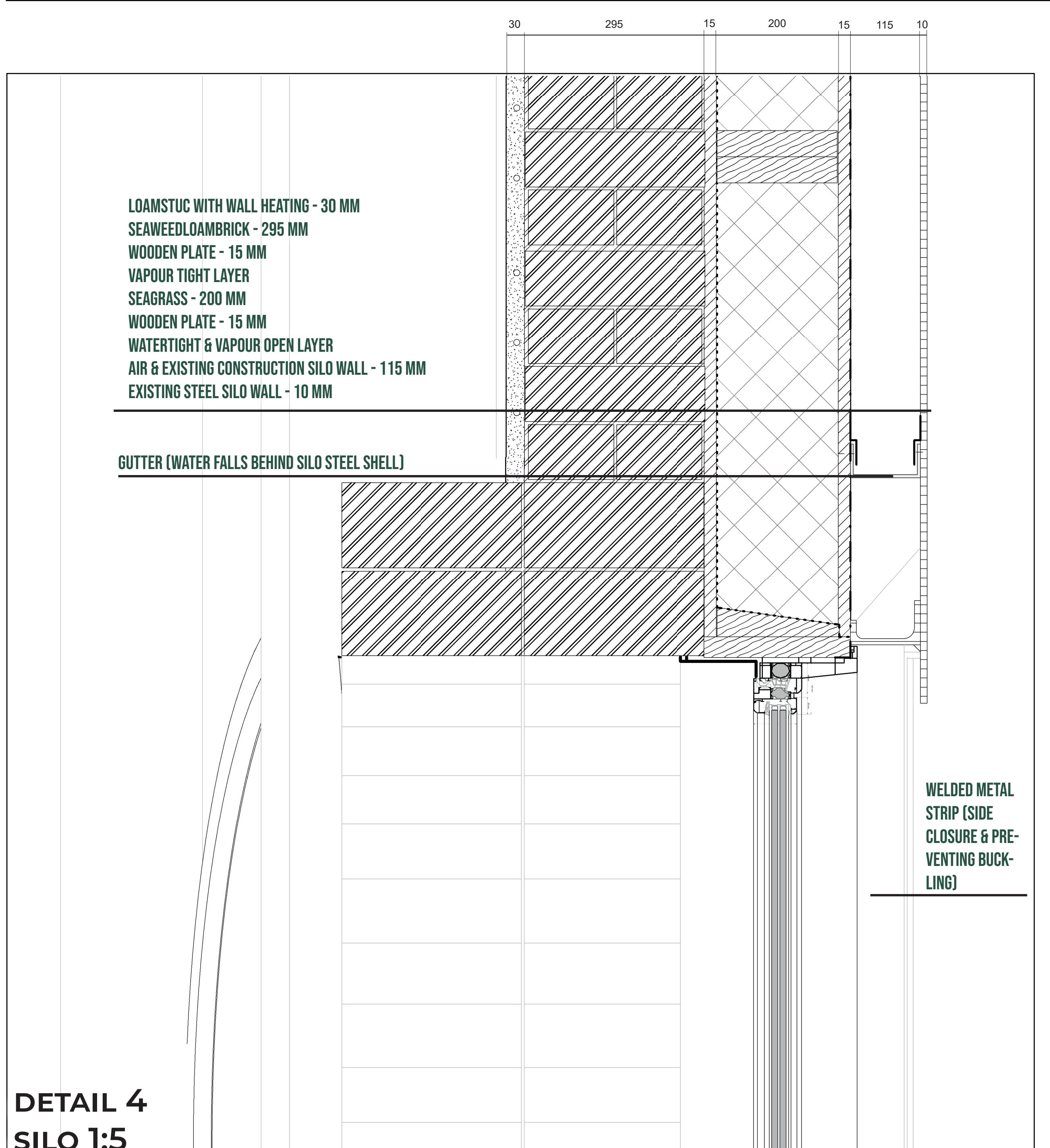
NORTH

SOUTH

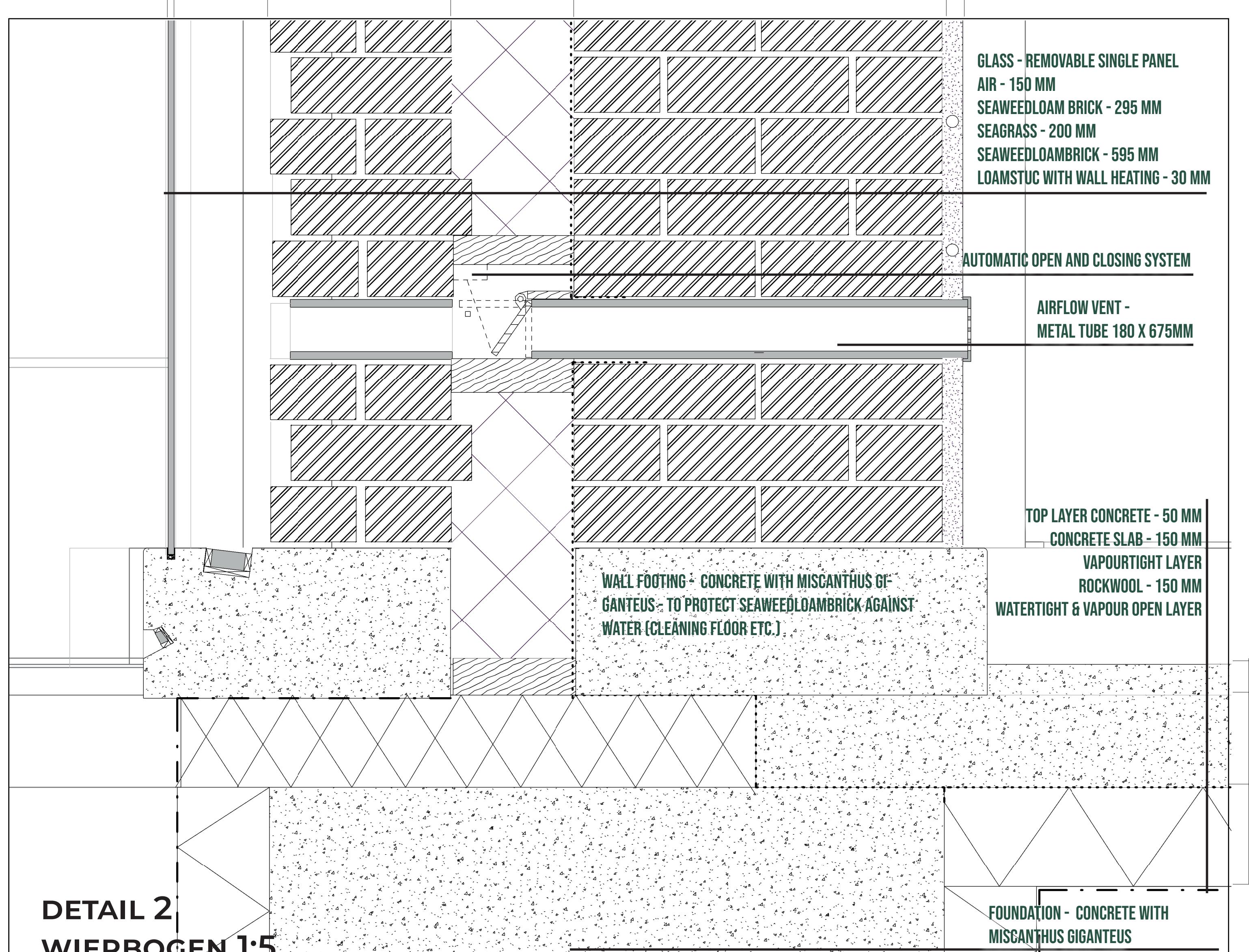




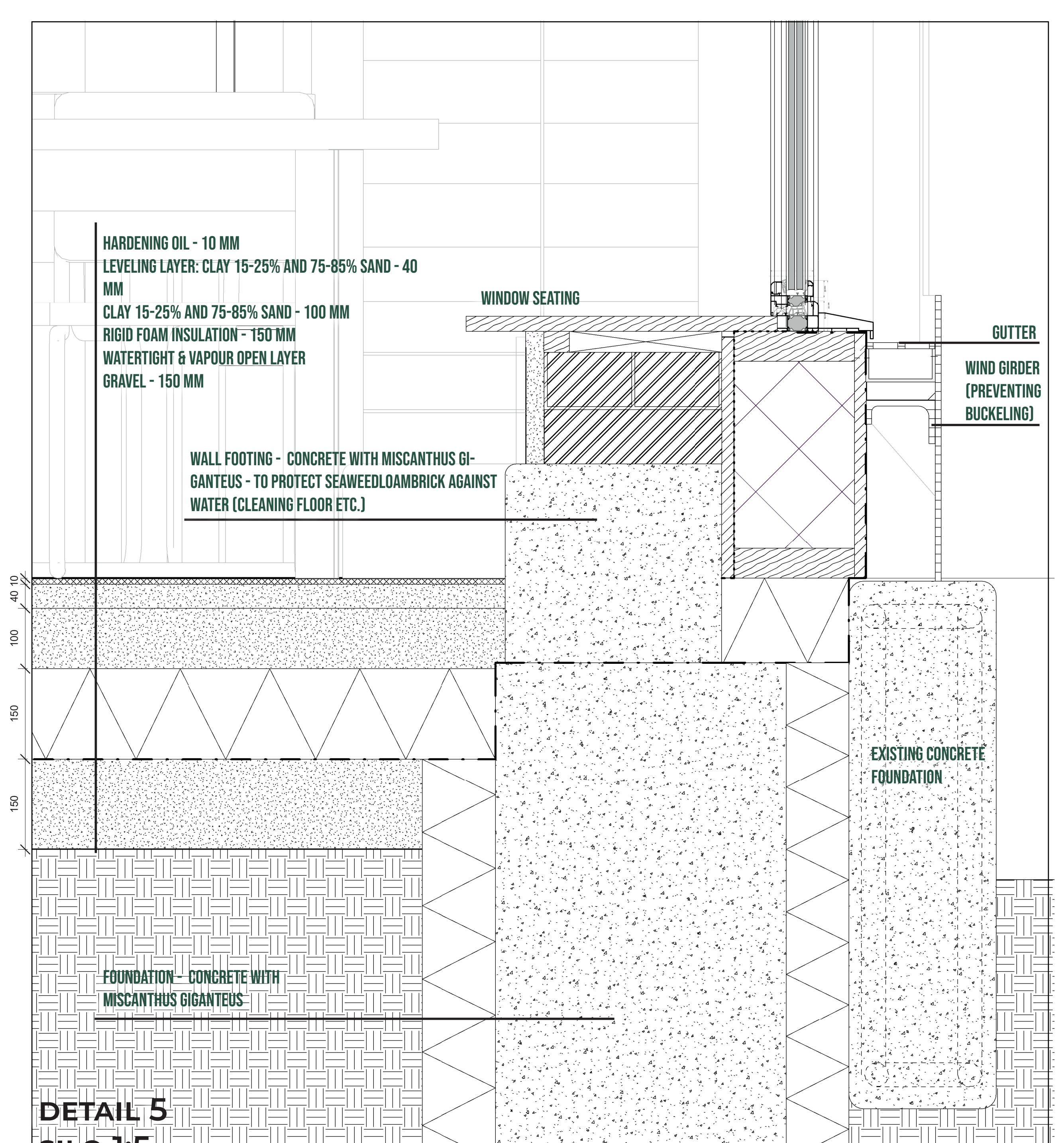
DETAIL 1  
WIERBOGEN 1:5



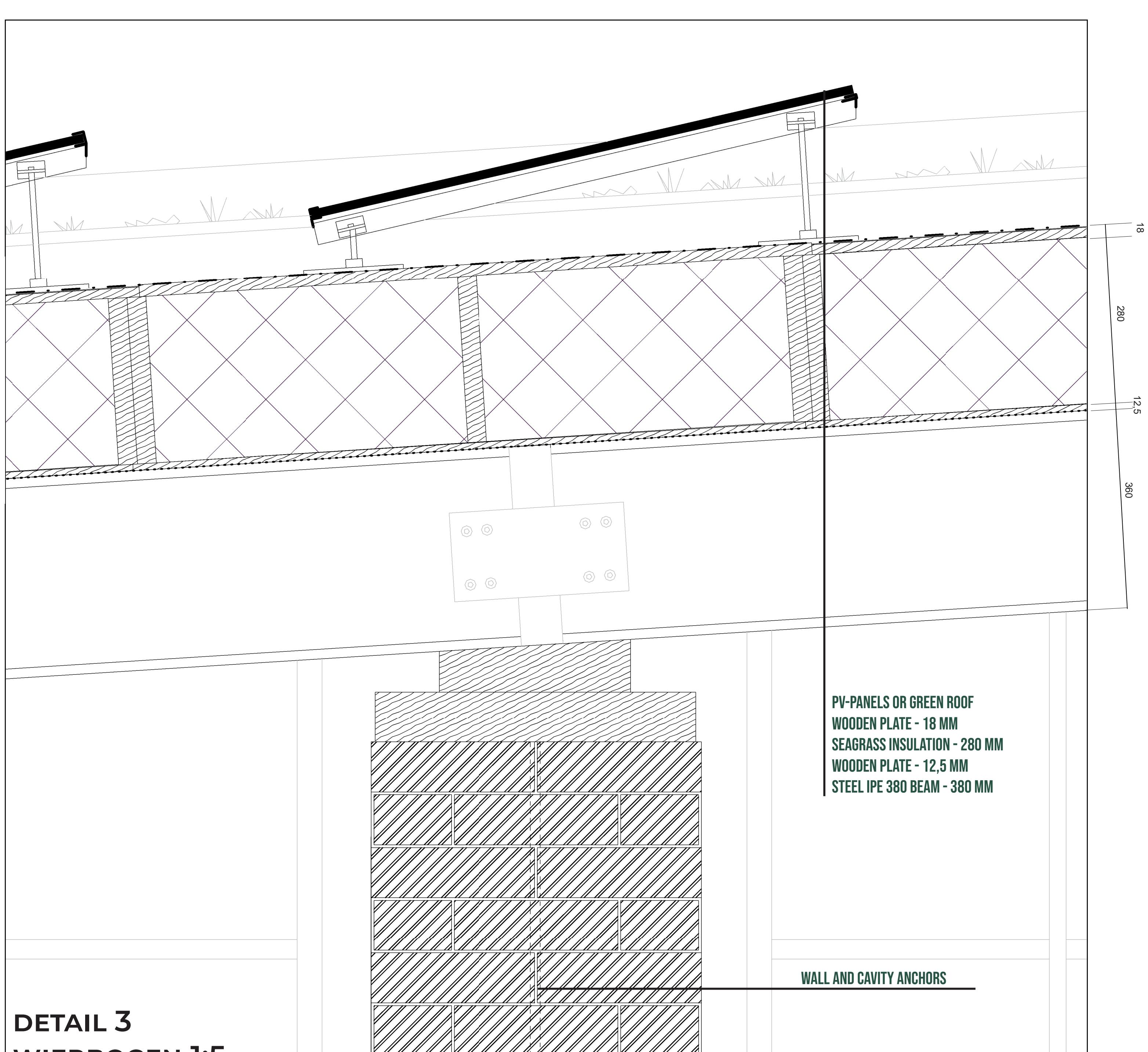
DETAIL 4  
SILO 1:5



DETAIL 2  
WIERBOGEN 1:5



DETAIL 3  
SILO 1:5



DETAIL 3  
WIERBOGEN 1:5