Design locations

2 km 4 km

Design locations

West Terschelling

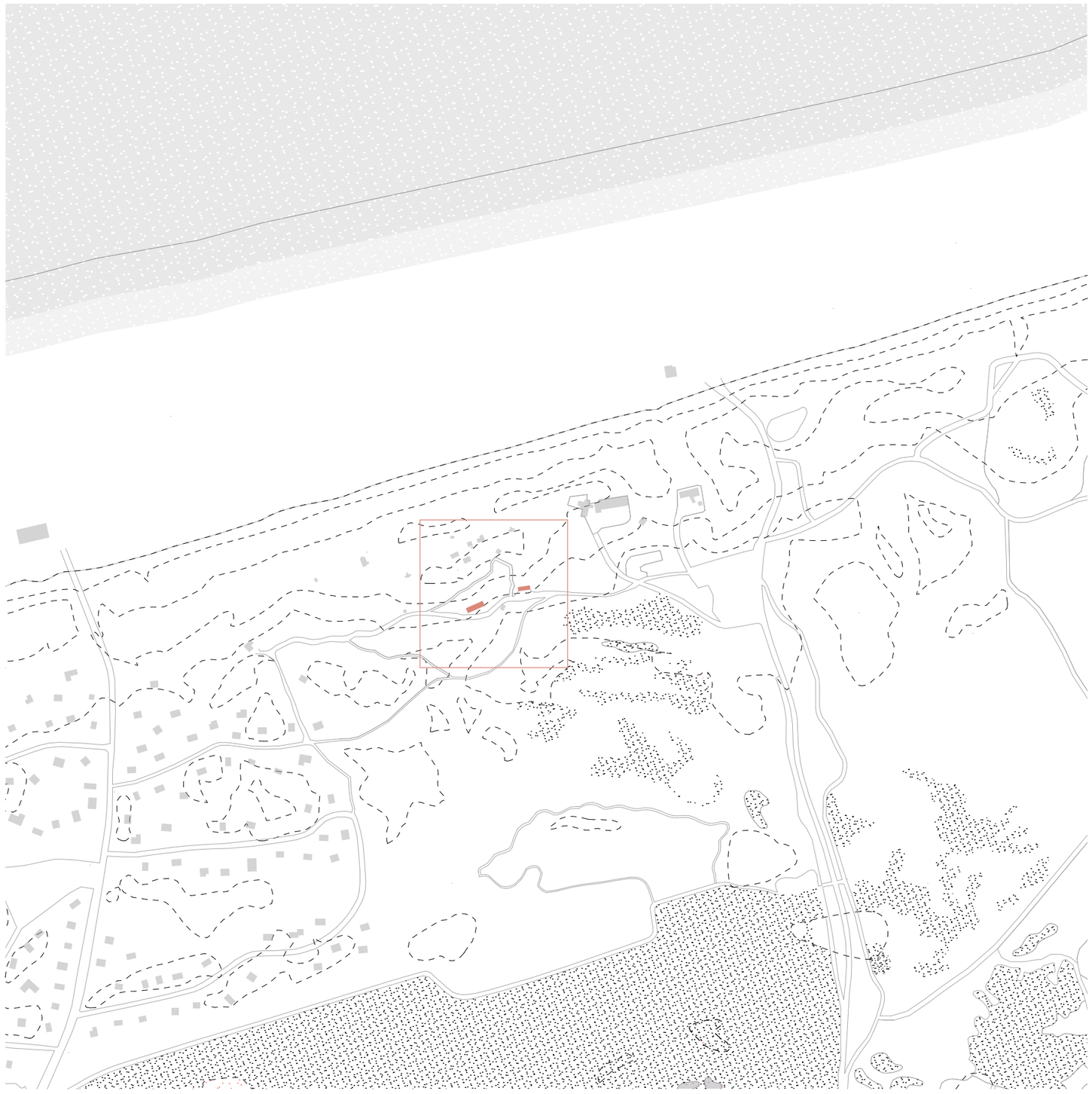
1:5000

100 200m

Design locations

Misland aan Zee

1:5000



100 200m

West Duin

Situation

1:1000

Exisitng

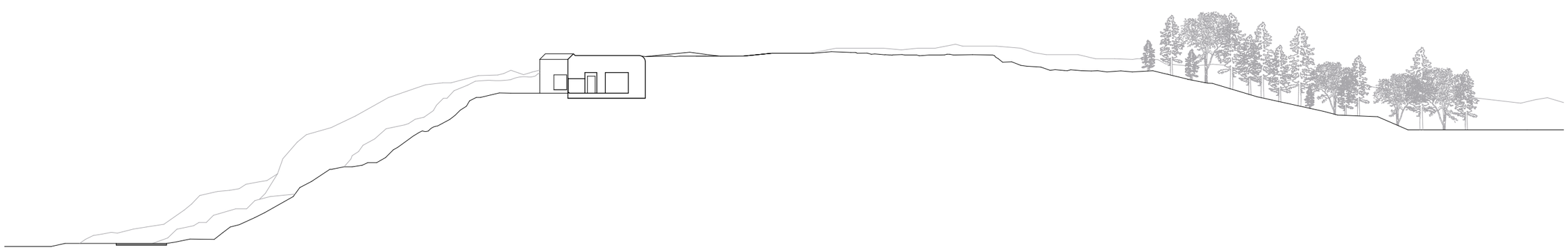
New

10 20

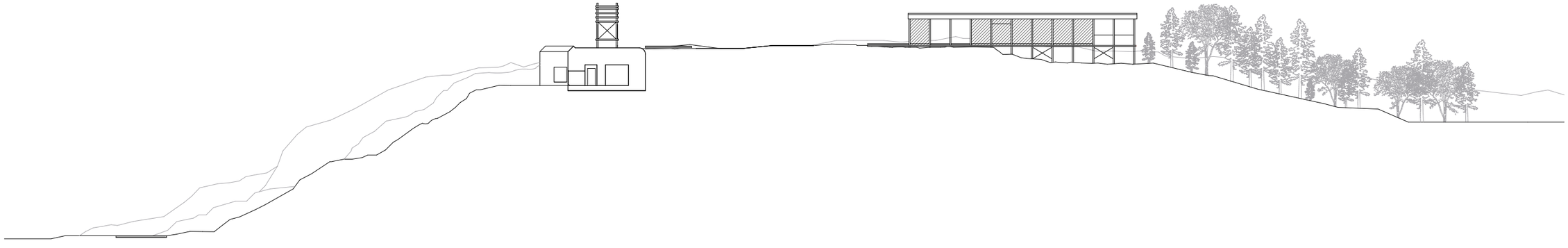
West Duin

Section

1:500



Exisitng



New

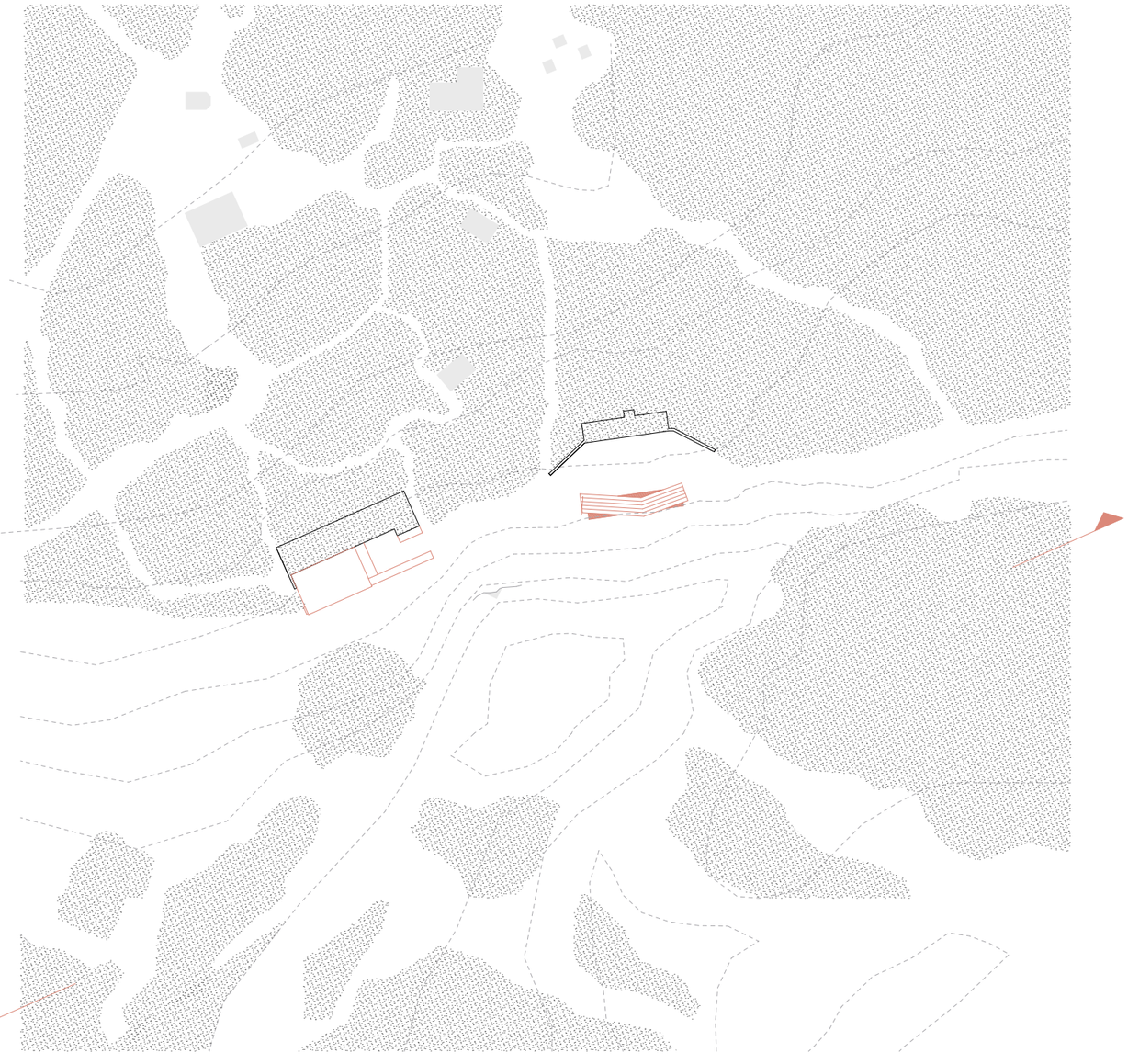
10 20

Situation

Midsland aan zee

1:1000

Exisitng



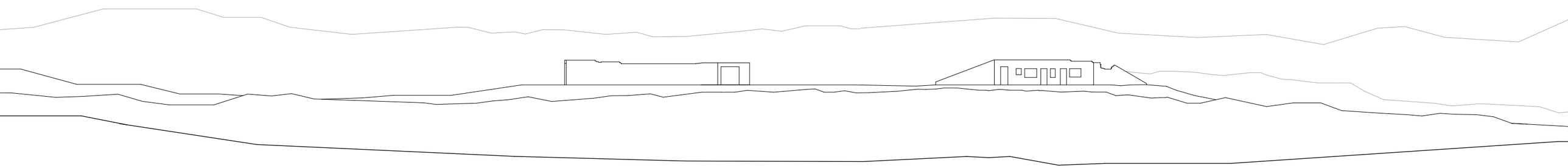
New

10 20

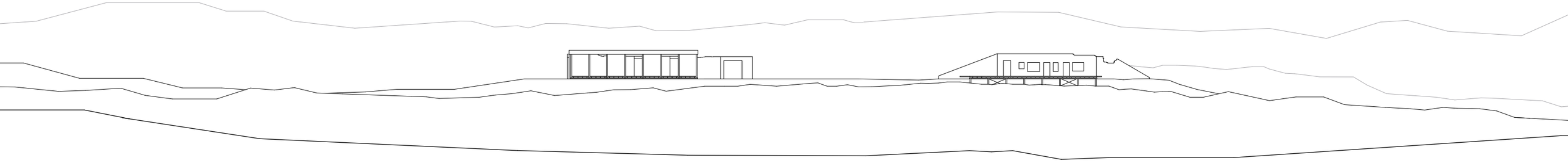
MIdsland aan zee

Section

1:500



Exisitng



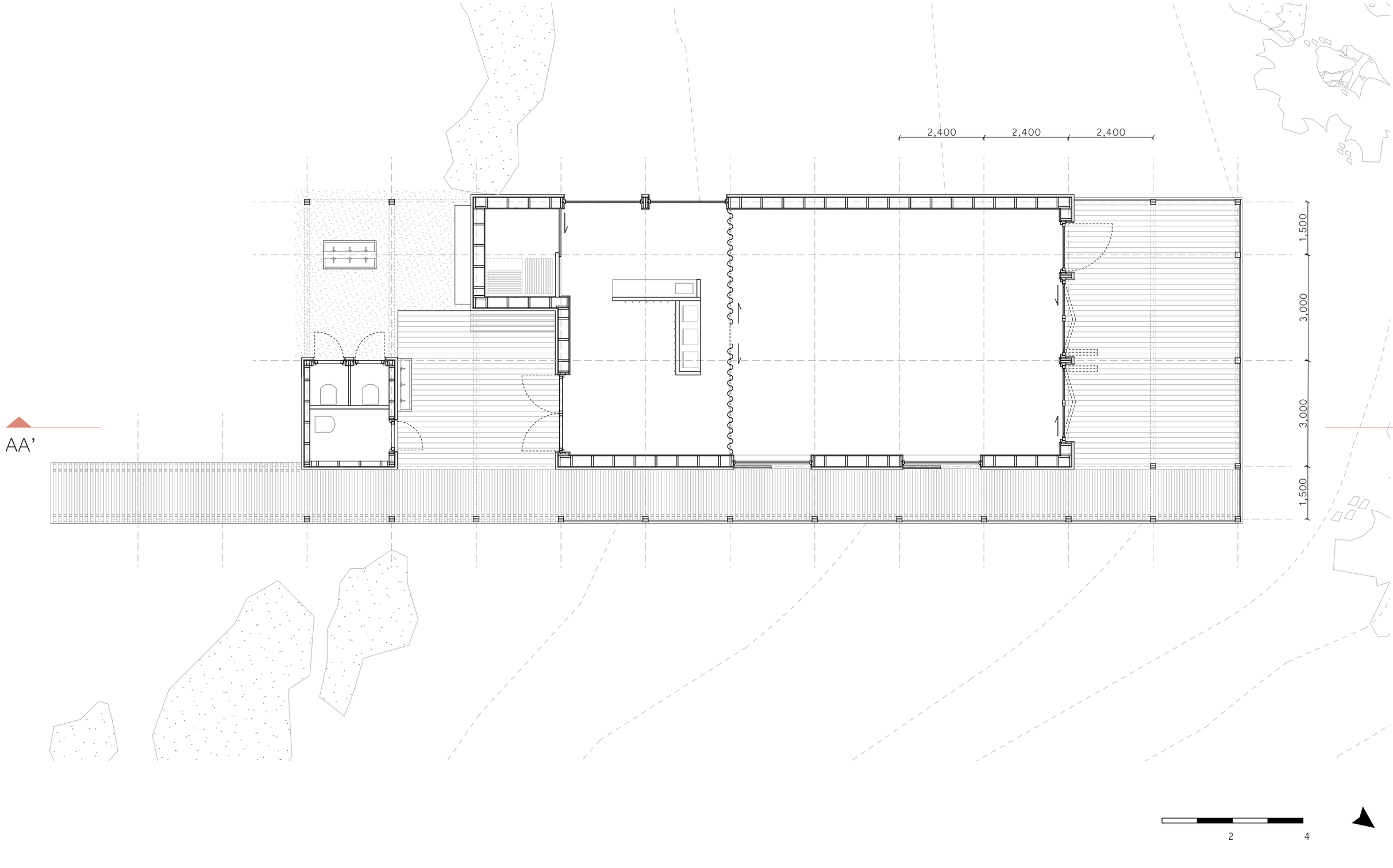
New

10 20

Pavilion

Floorplan

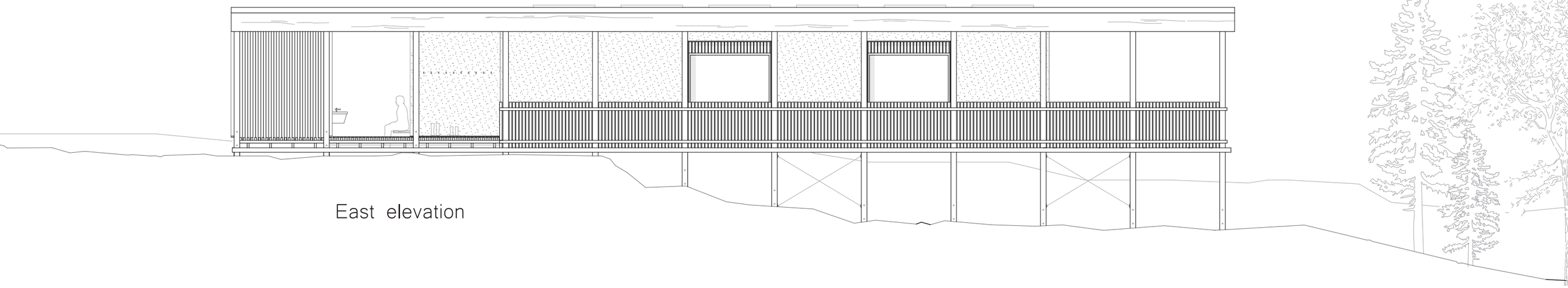
1:100



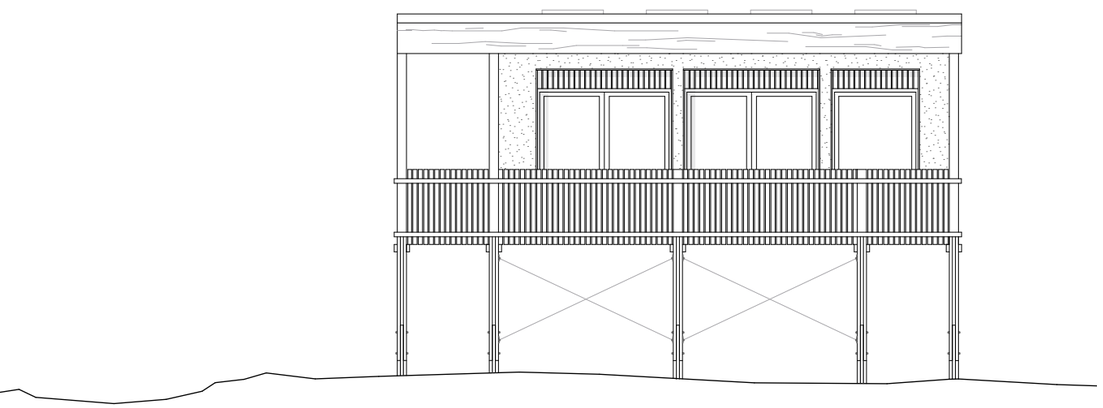
Pavilion

Elevations

1:100



East elevation



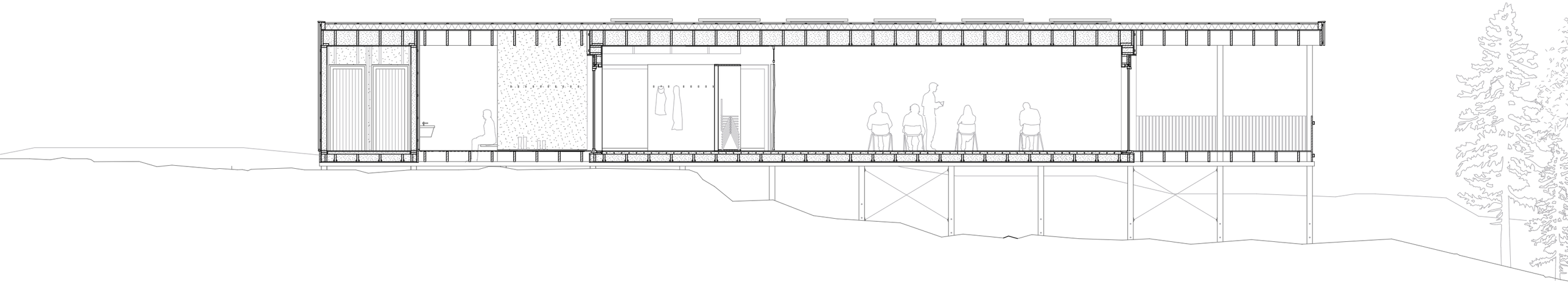
North elevation

2 4

Pavilion

Section AA’

1:100

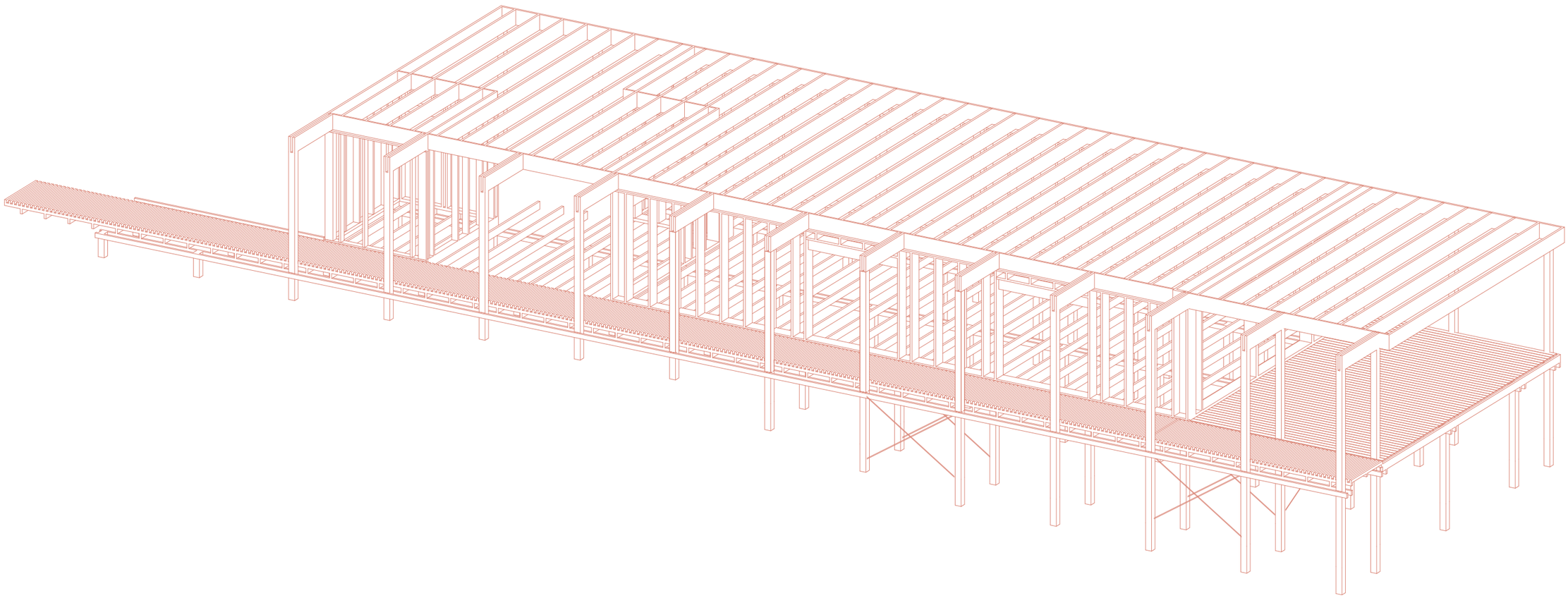


2 4

Pavilion

Structure

sceme



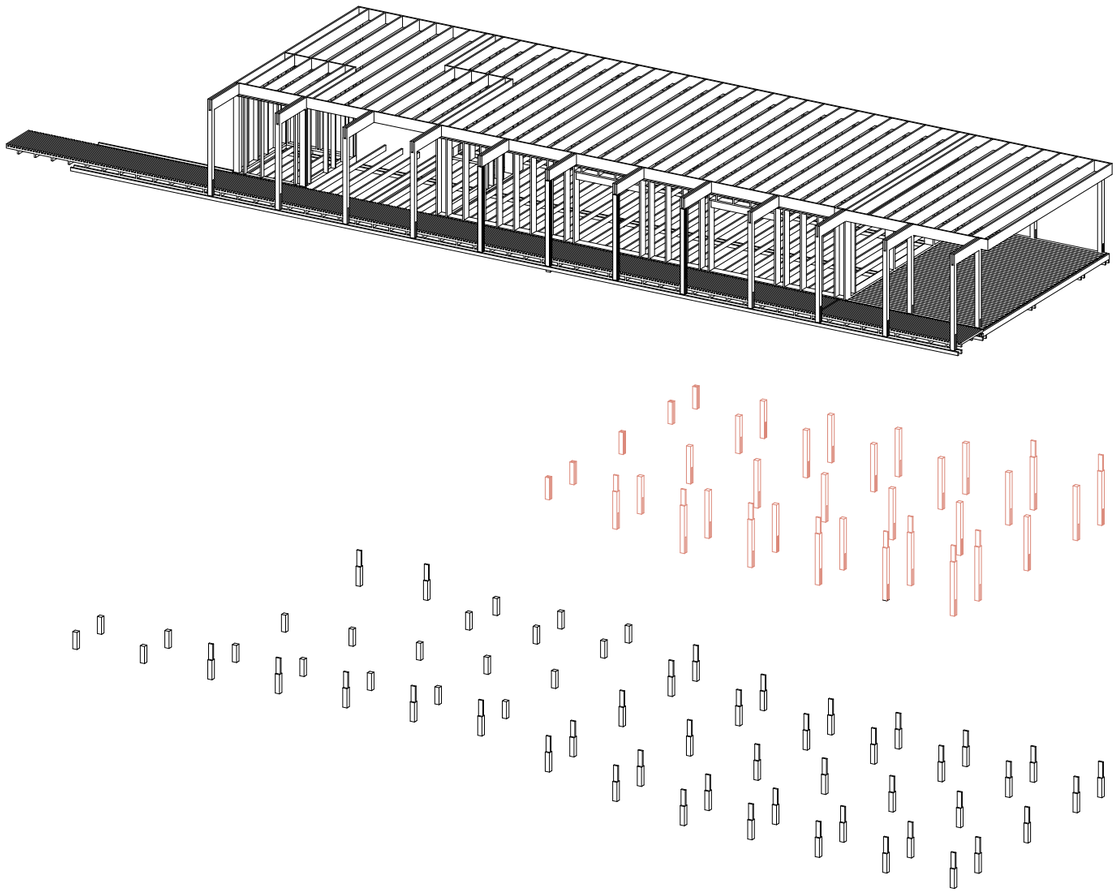
Pine wood

structure

Pavilion

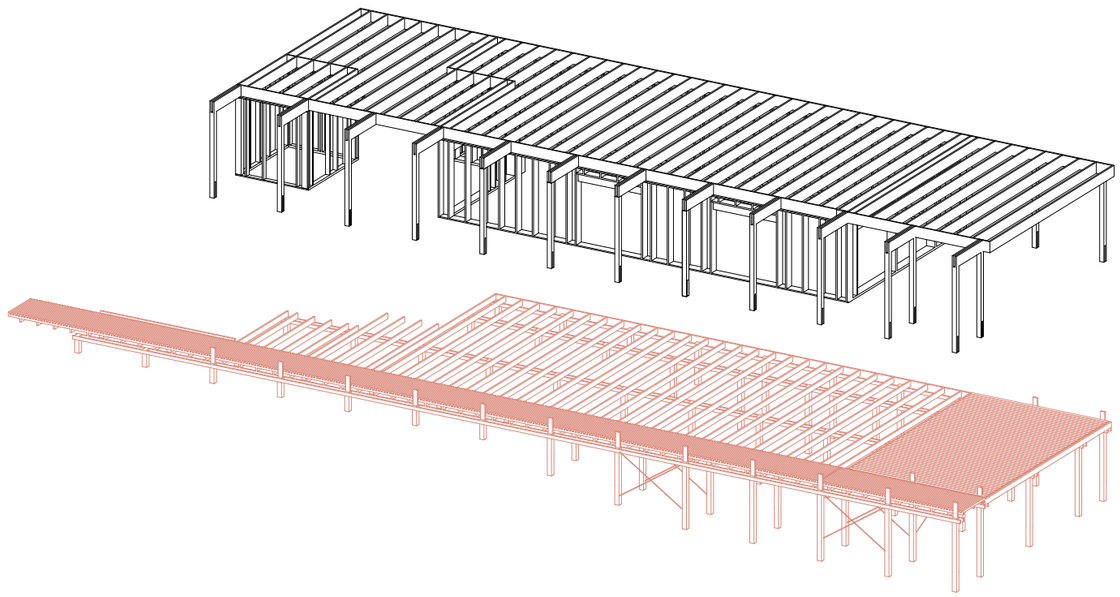
Structure platform

sceme



Piles

to level out the platform

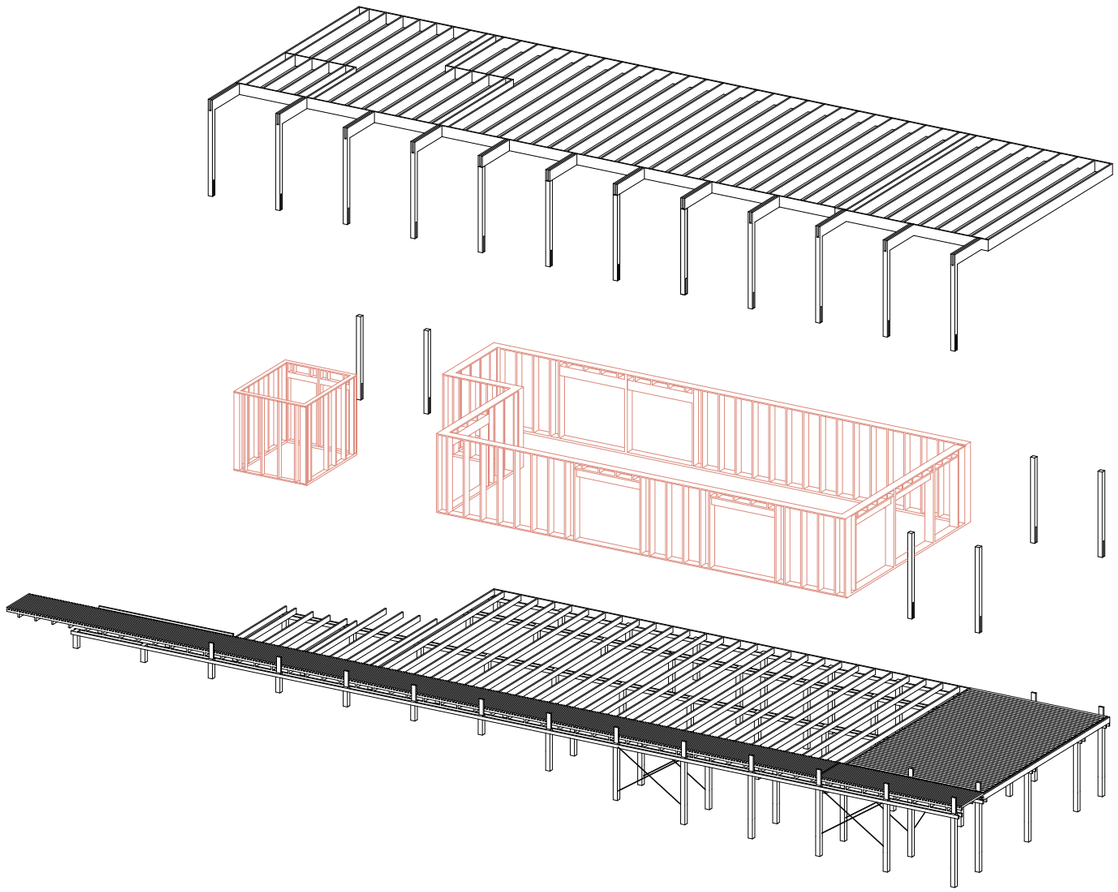


Platform

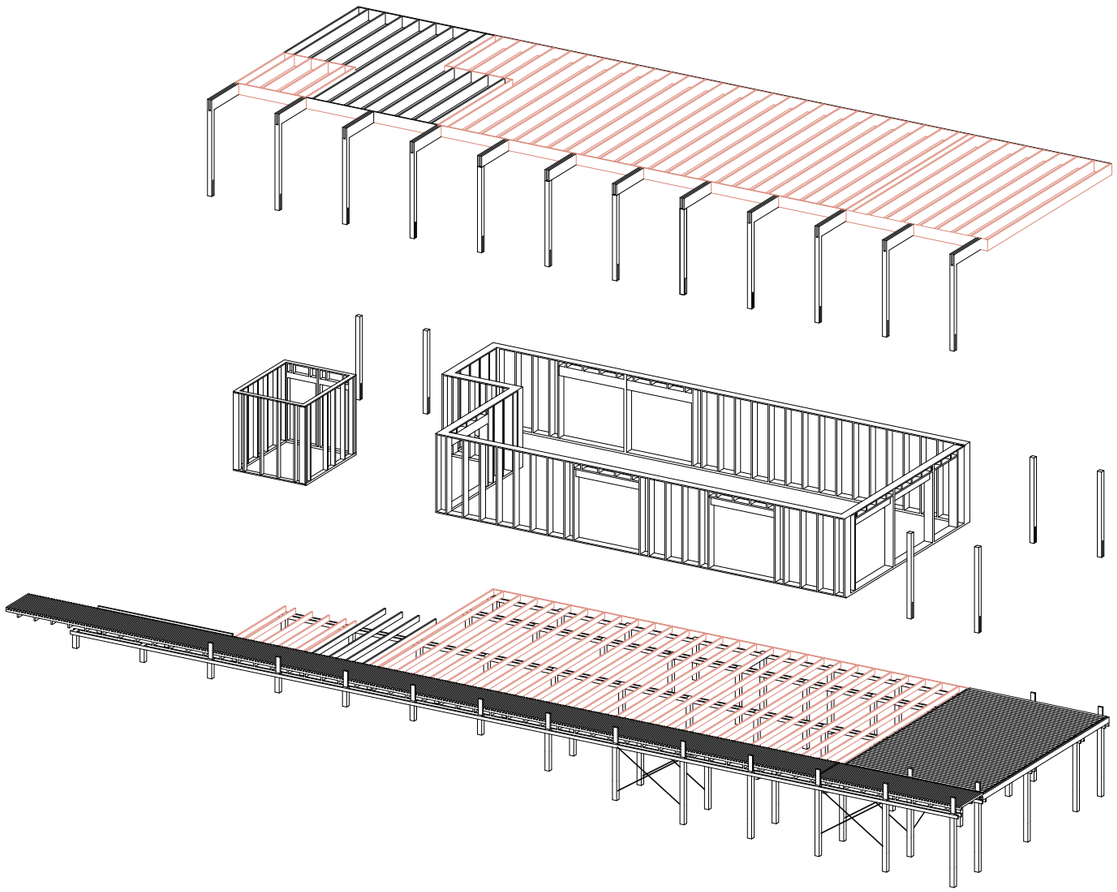
Pavilion

Structure & hempcrete

sceme



Prefabricated facades



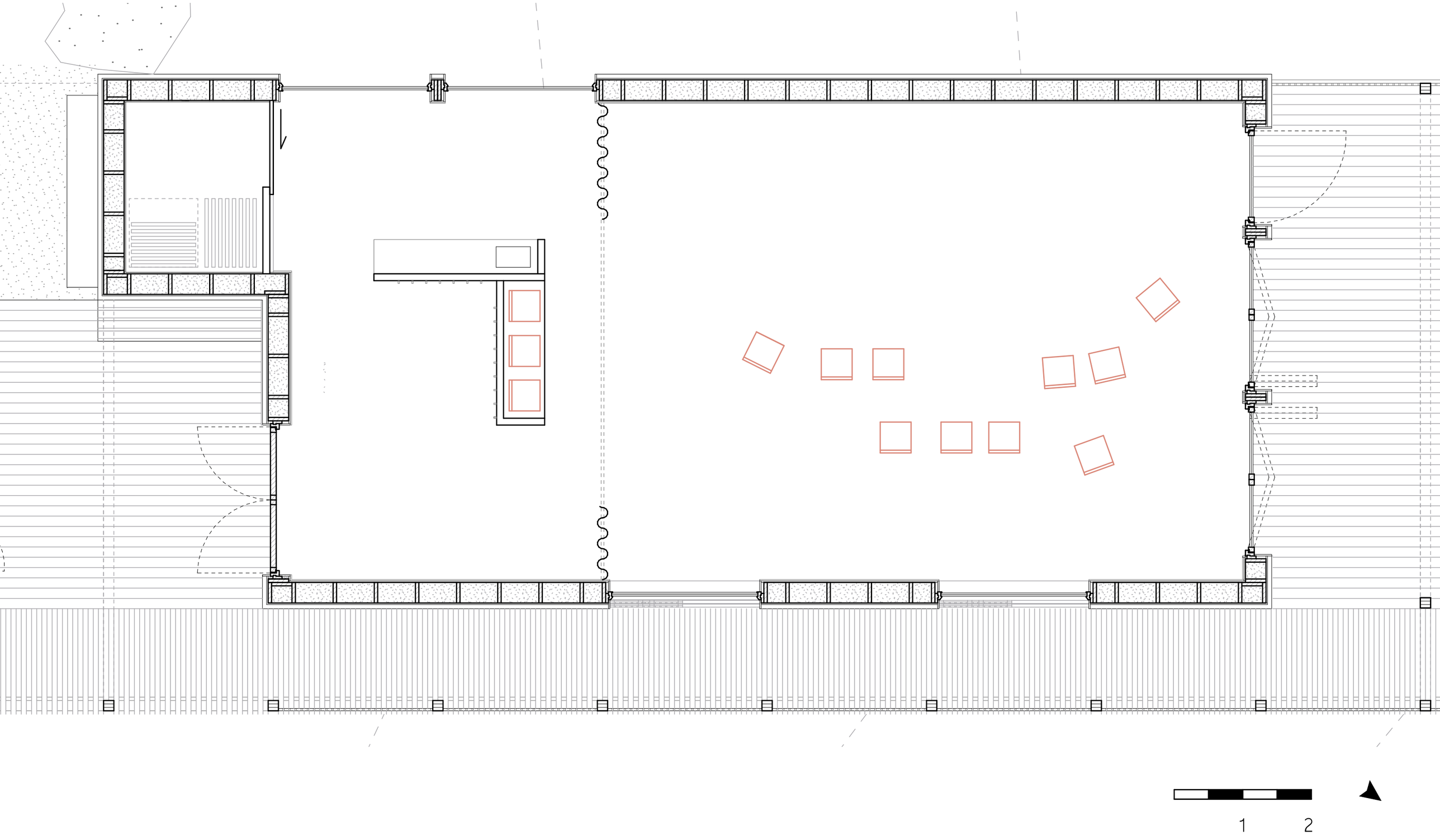
Floors and roof

hemp cast in situ

Pavilion

Floorplan: Oerol college - Beginning

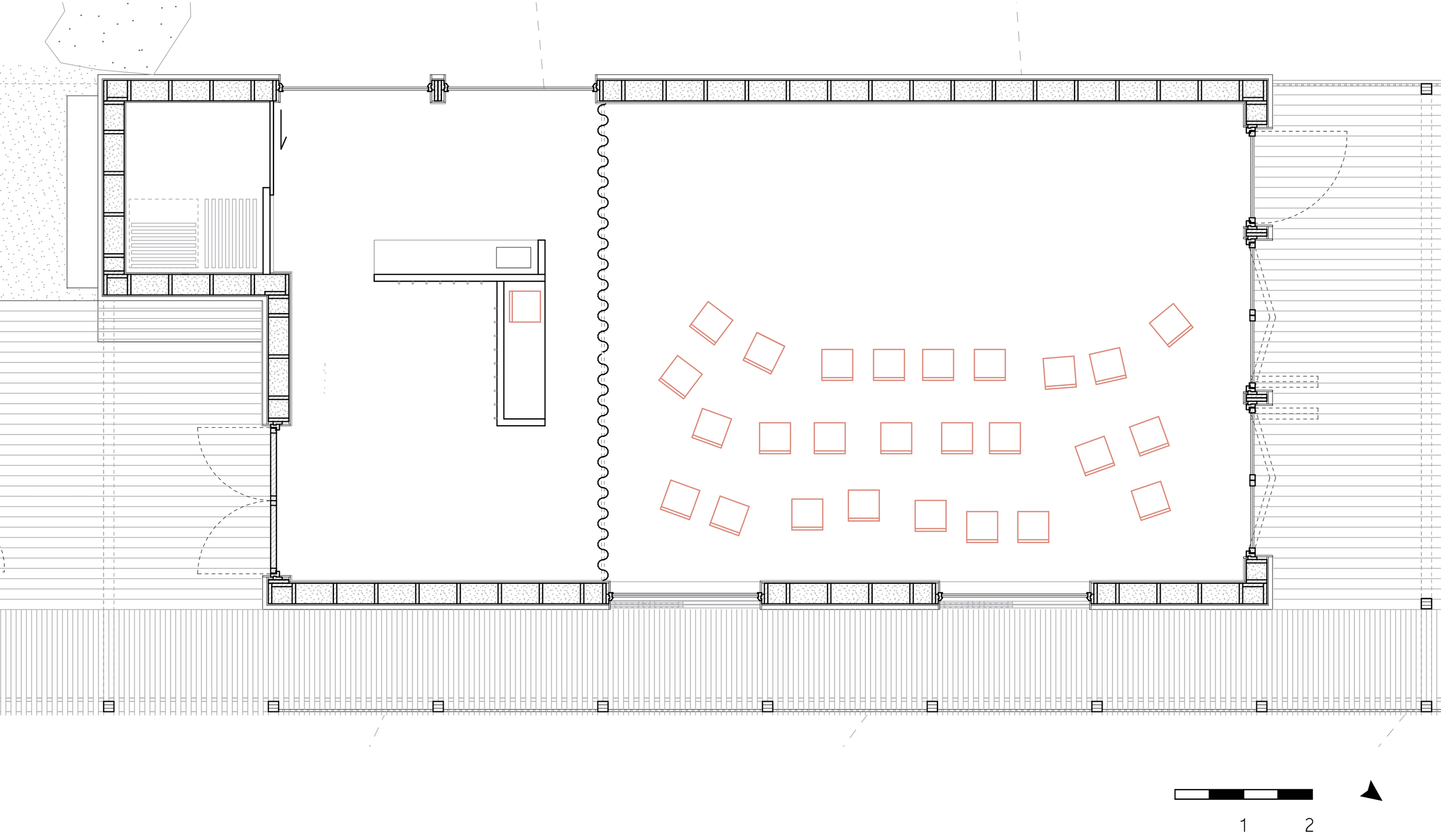
1:50



Pavilion

Floorplan: Oerol college

1:50

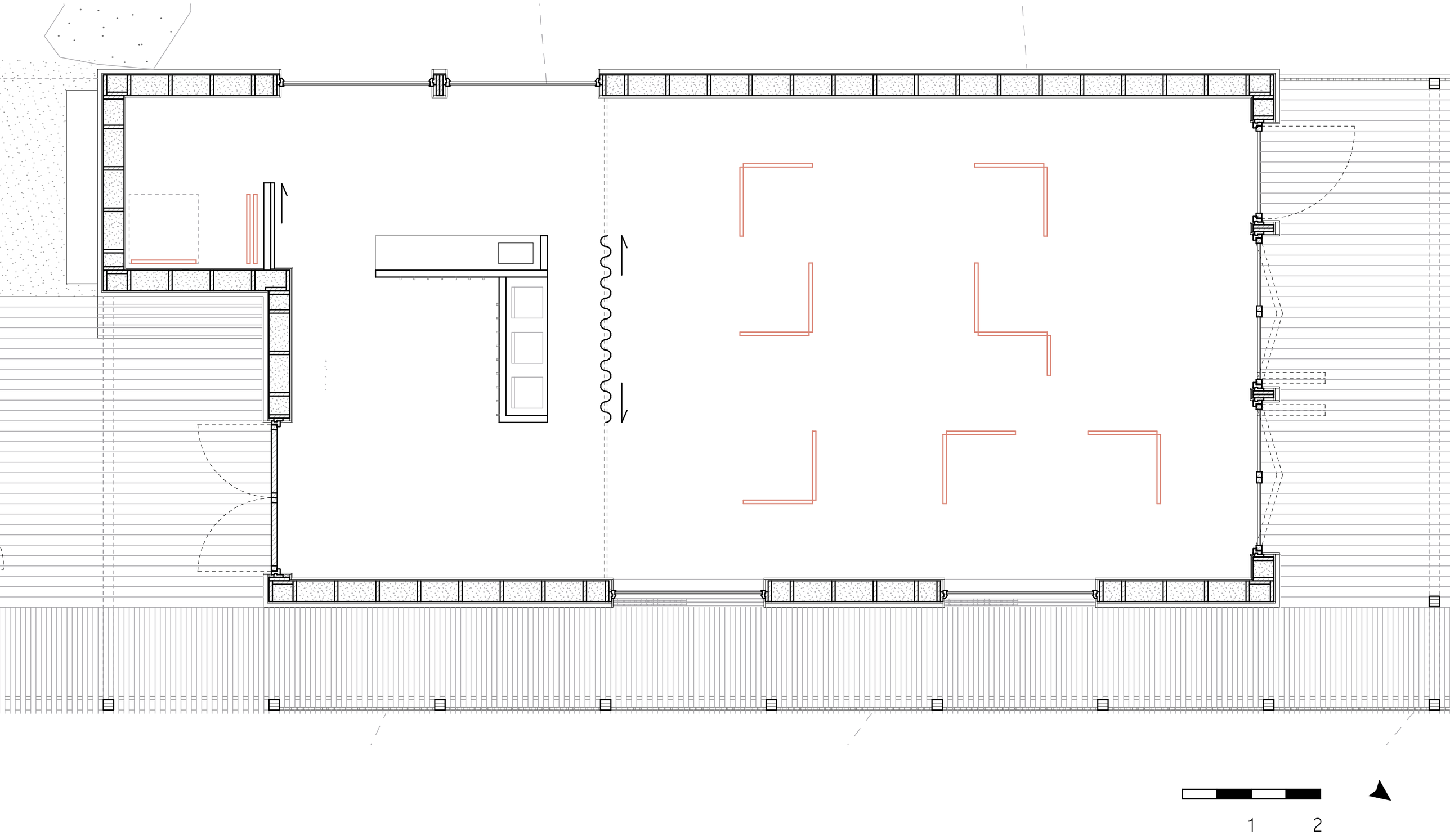


1 2

Pavilion

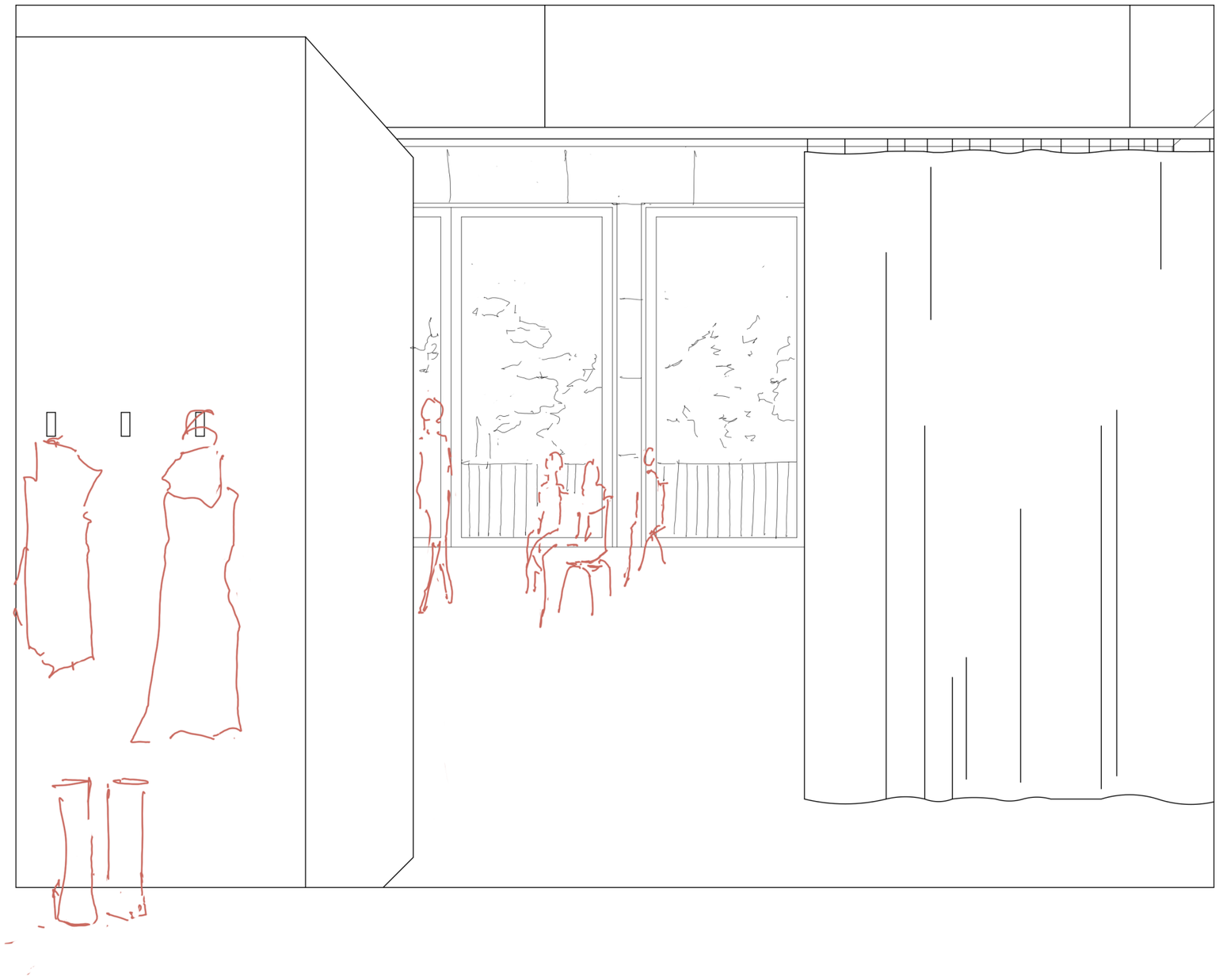
Floorplan: Expo

1:50



Pavilion

Impression entrance & curtain



Climate: Ventilation

Floorplan

1:100

Max. 40 people

25 m^3/h pp

≈ 800 m^2/h

≈ 0,22 m^3/s

V = 3m/s

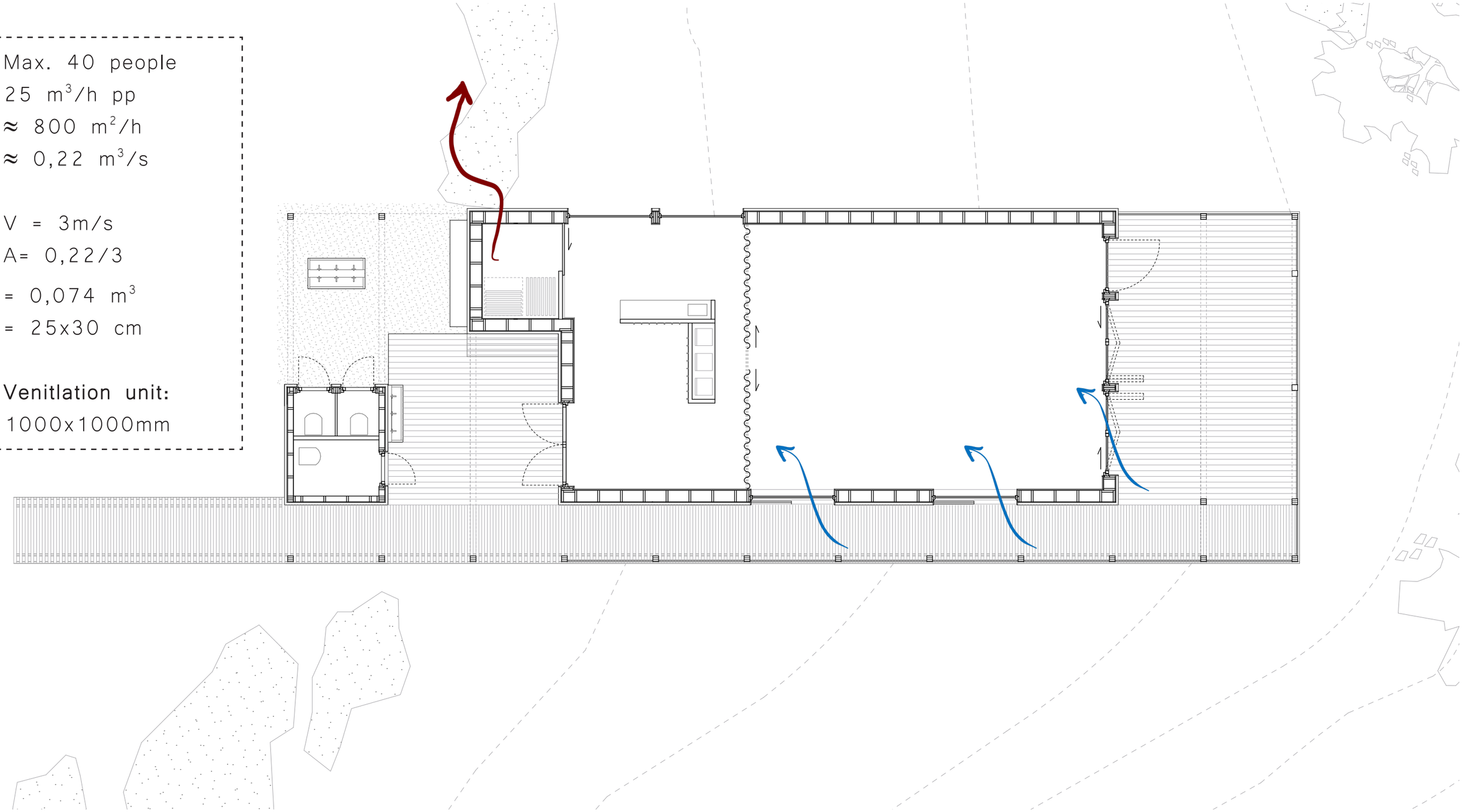
A= 0,22/3

= 0,074 m^3

= 25x30 cm

Venitlation unit:

1000x1000mm

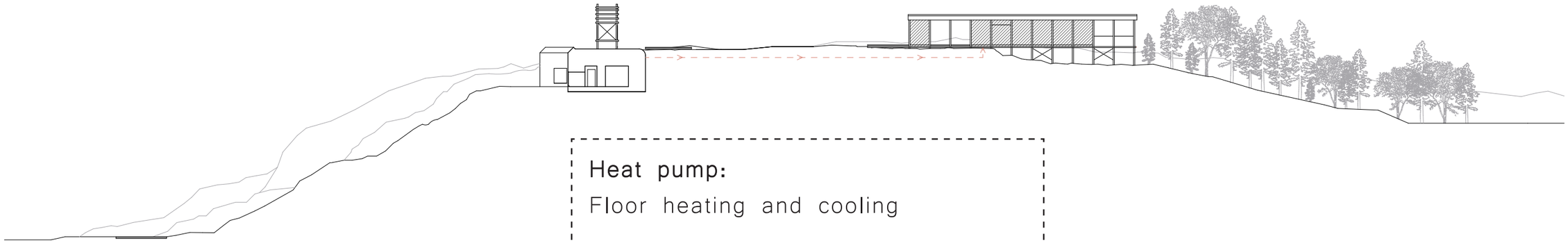


2 4

Climate: Heat pump

Section West duin 1:500

Section Pavilion 1:100



Heat pump:

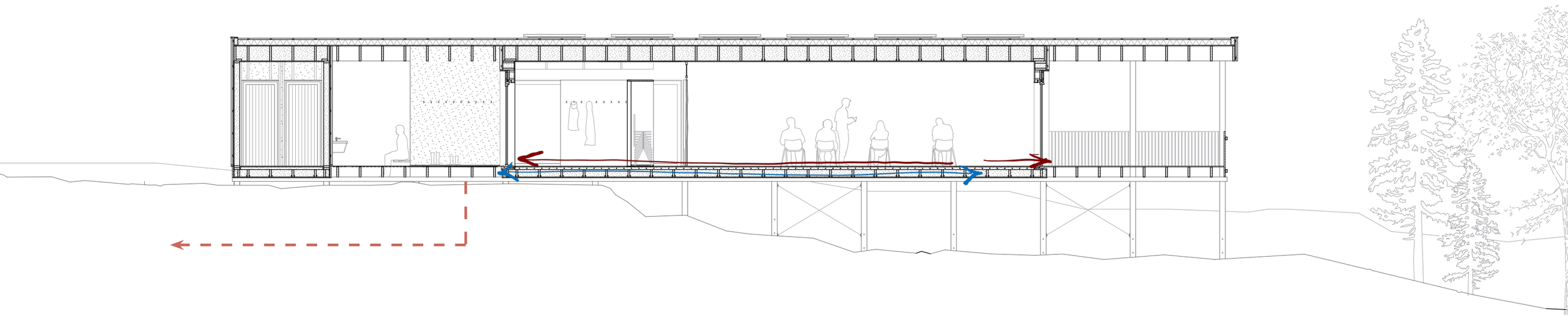
Floor heating and cooling

Bunker= water source

--> Less impairment of dunes

Cable is perforated in the dunes

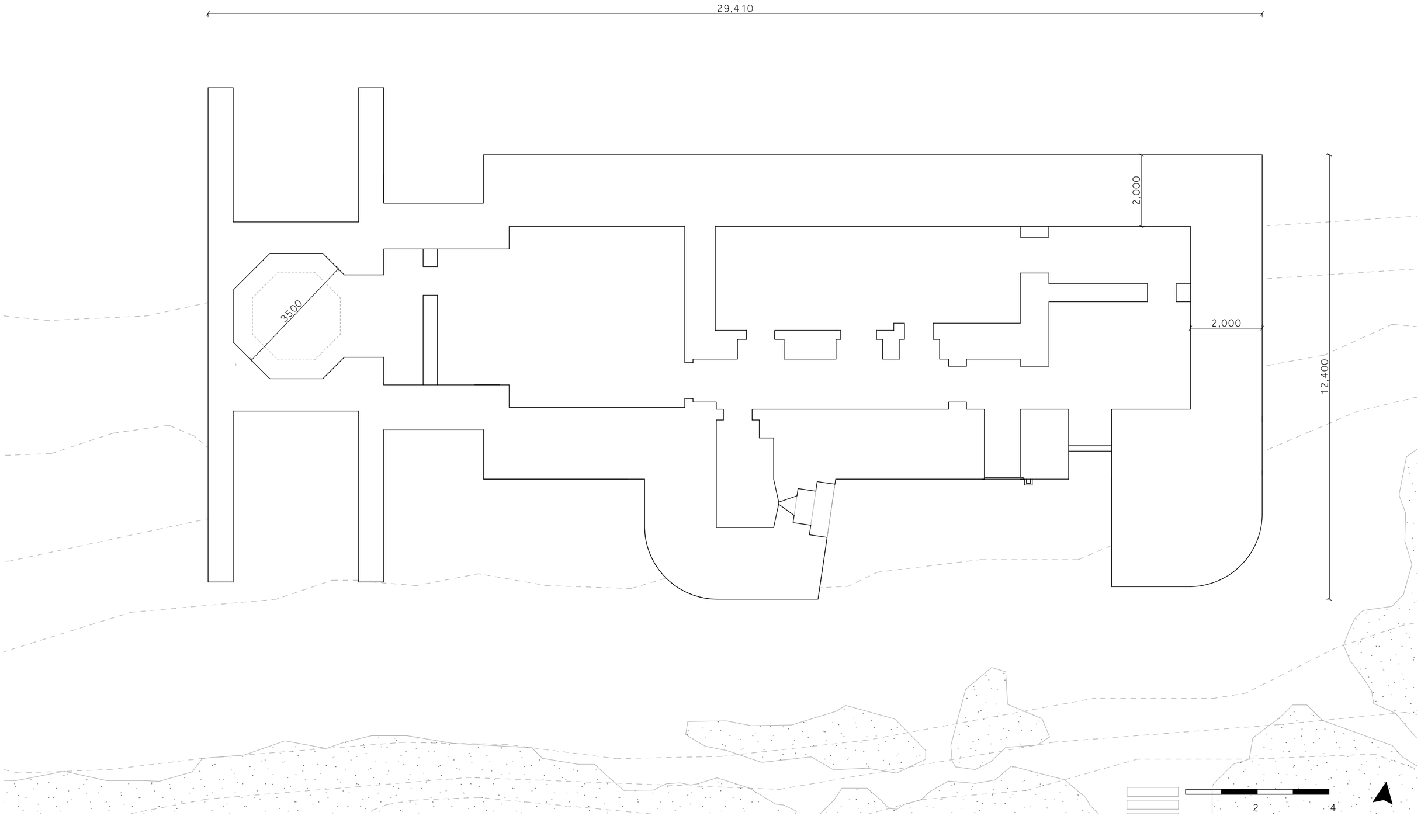
--> Less impairment of dunes



Wasserman bunker

Floorplan

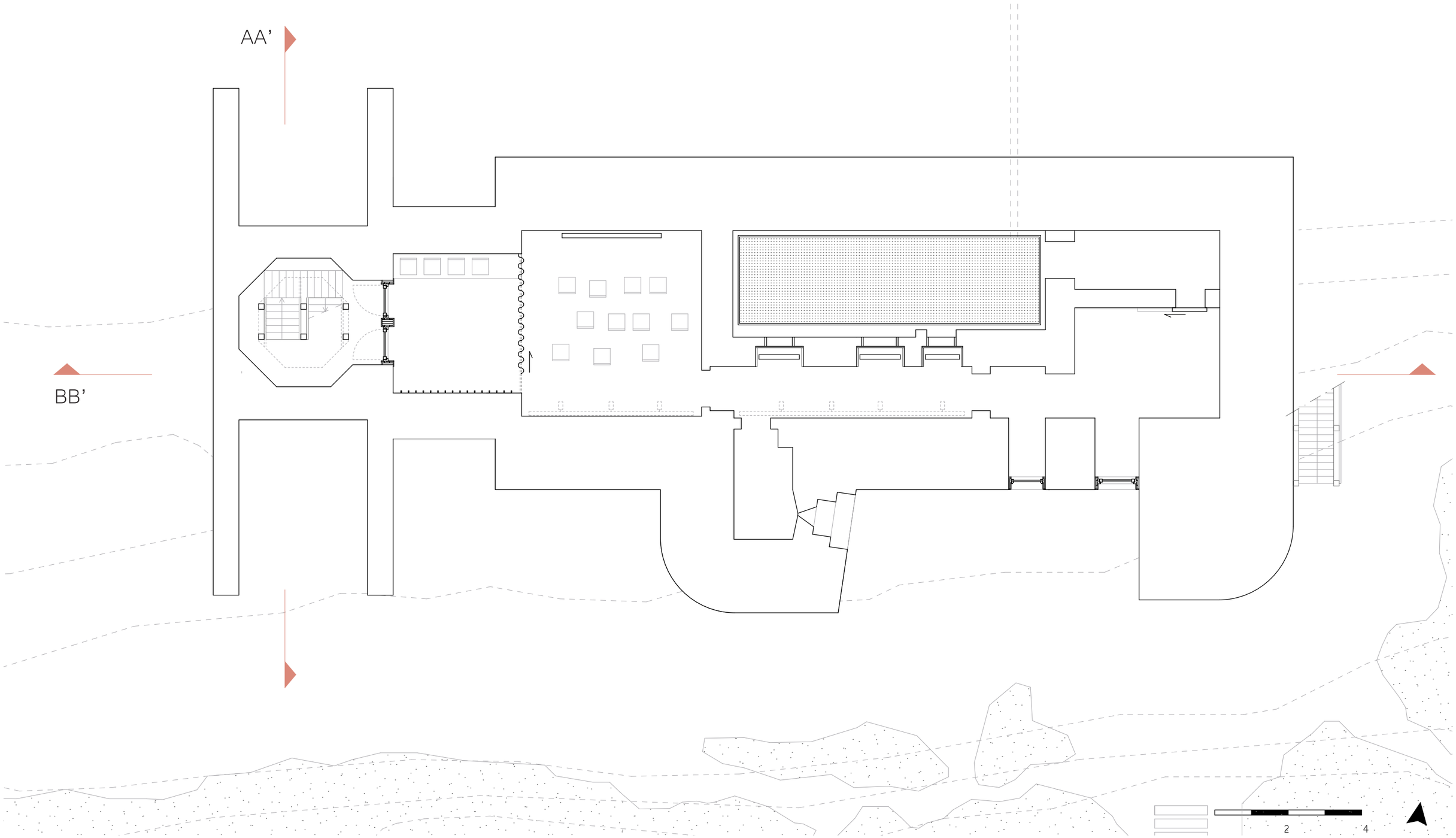
1:100



Projection room

Floorplan

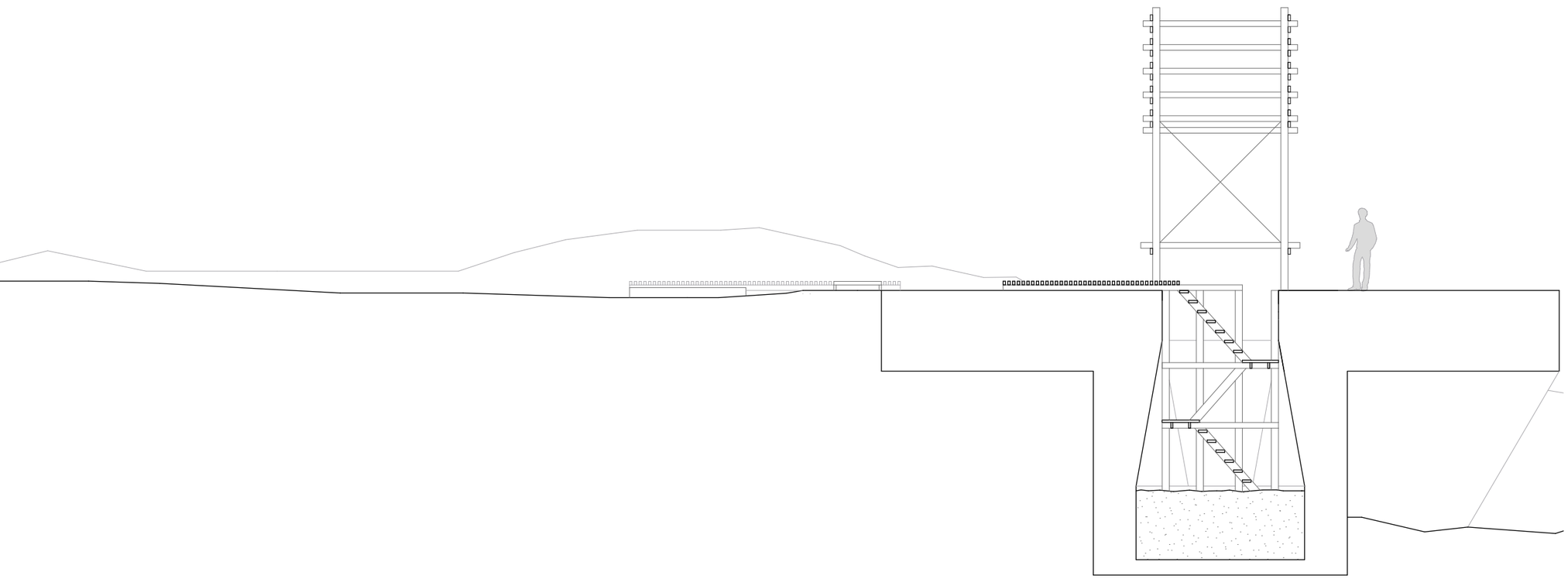
1:100



Projection room

Section AA'

1:100

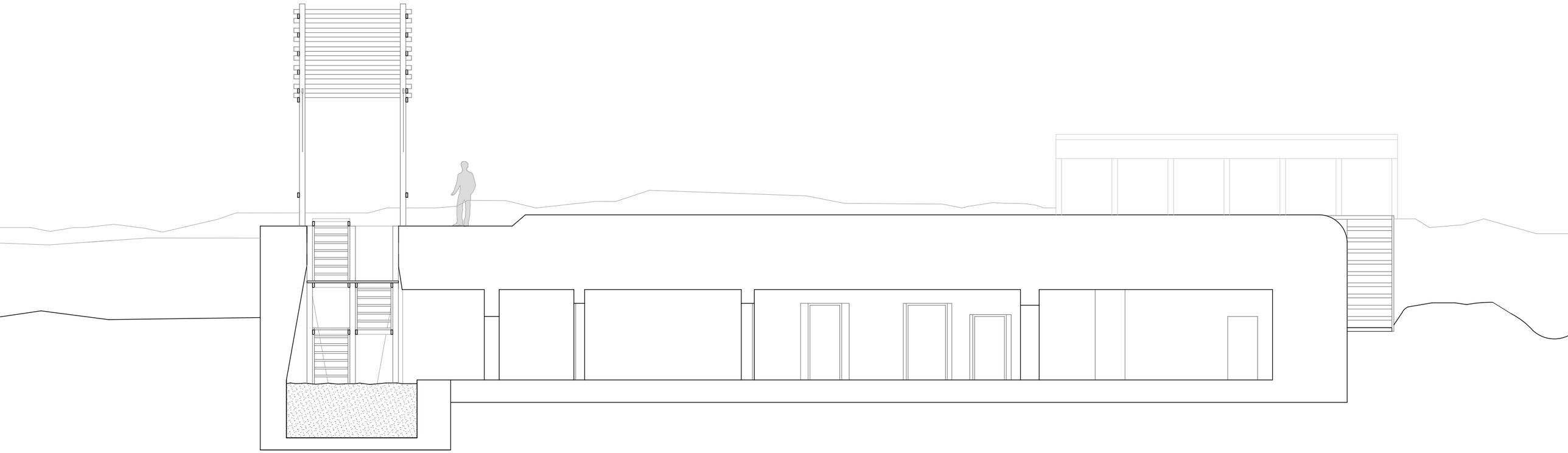


2 4

Projection room

Section BB'

1:100

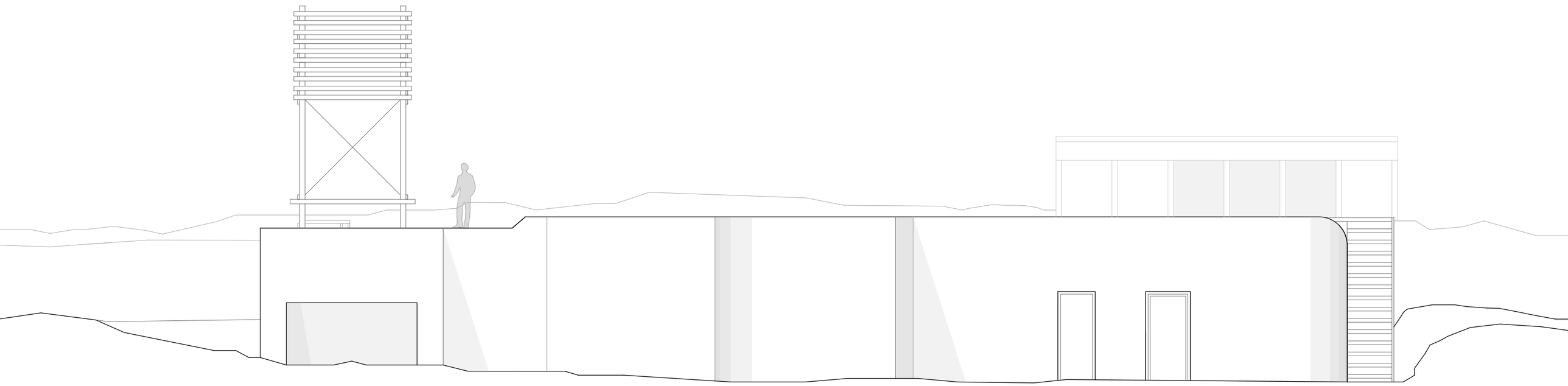


2 4

Projection room

Elevation

1:100

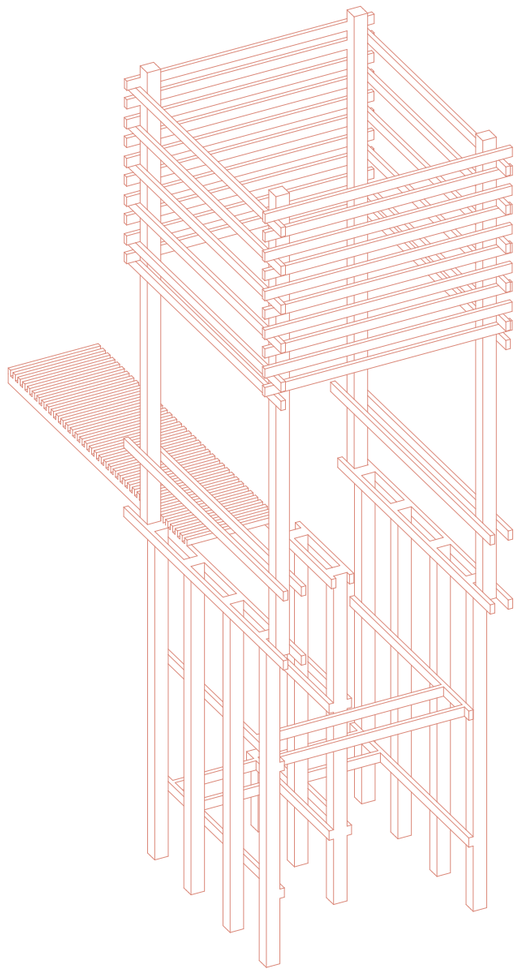


2 4

Projection room

Structure

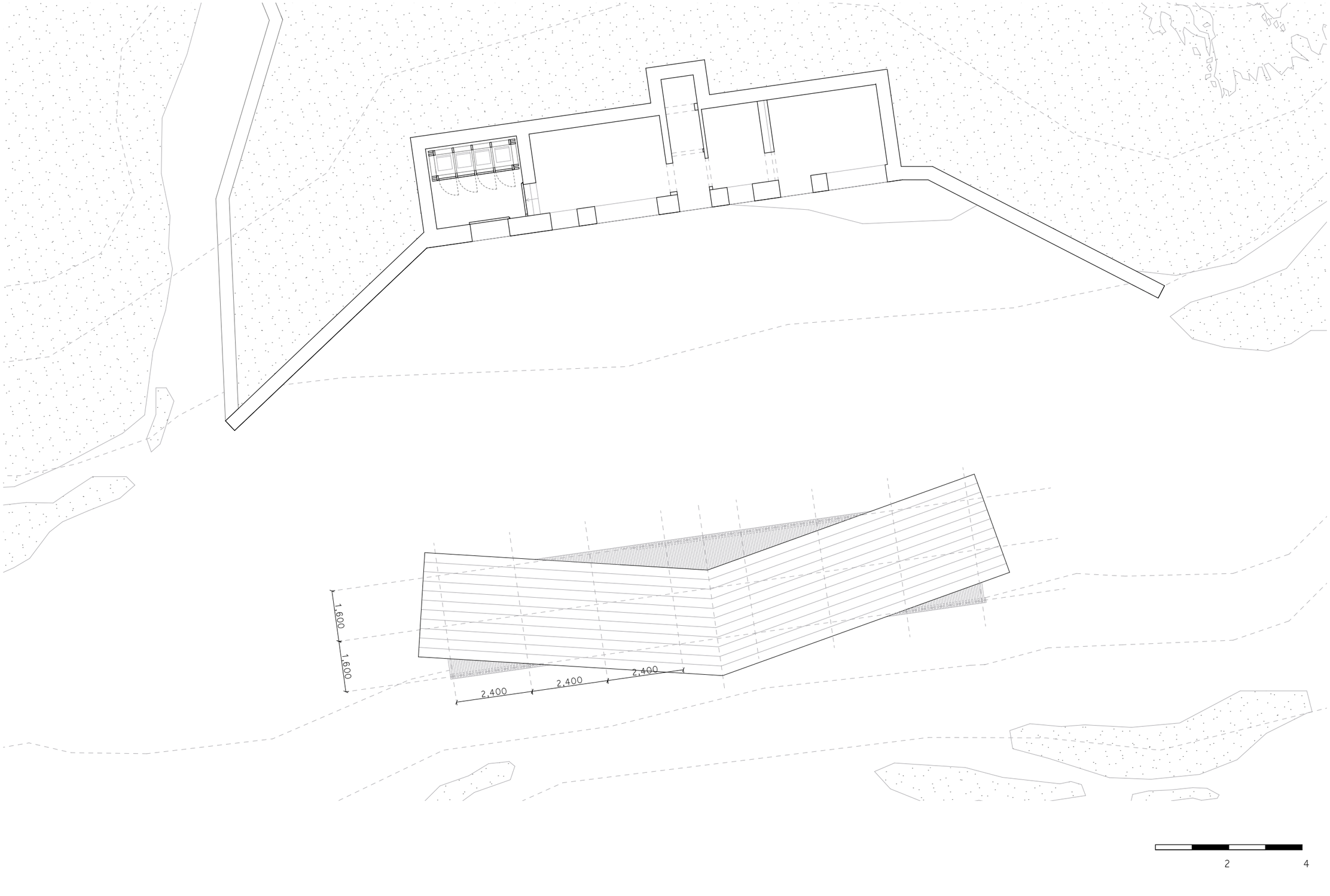
sceme



Stage

Floorplan

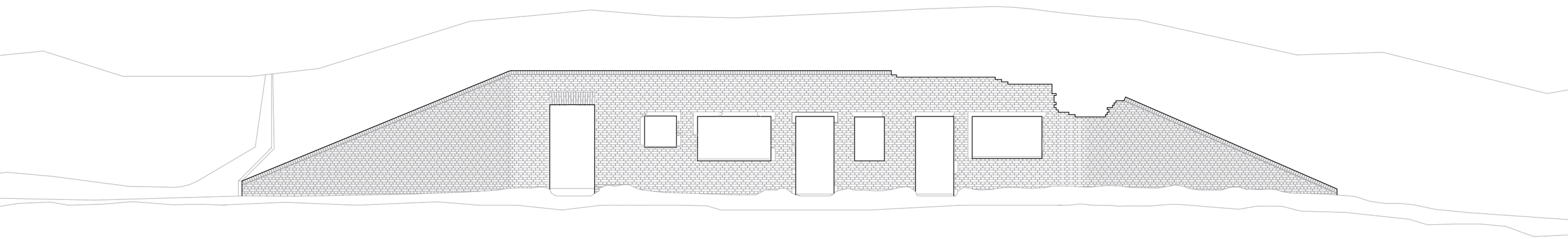
1:100



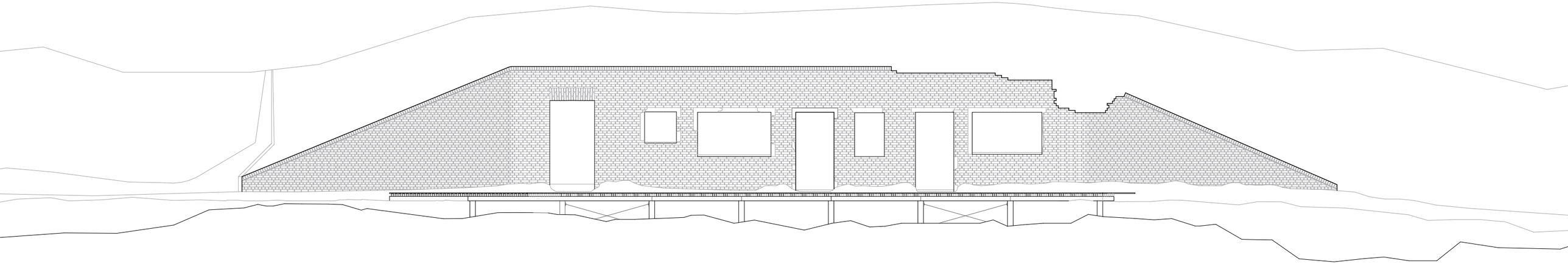
Stage

Elevation south

1:100



Exisitng



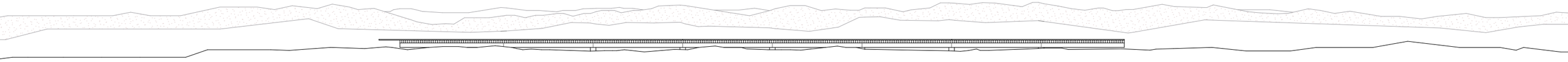
New

2 4

Stage

Elevation north

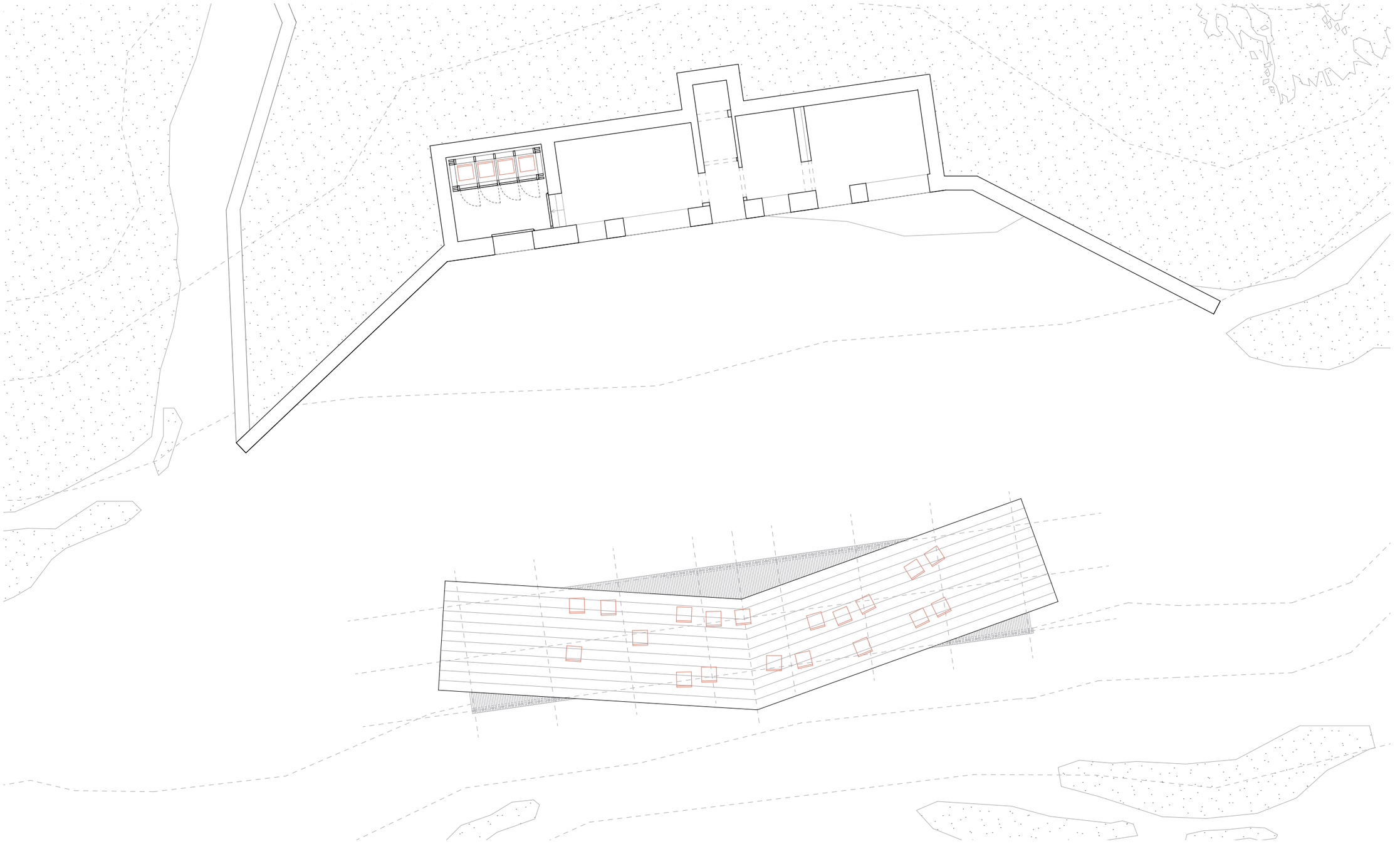
1:100



Stage

Floorplan

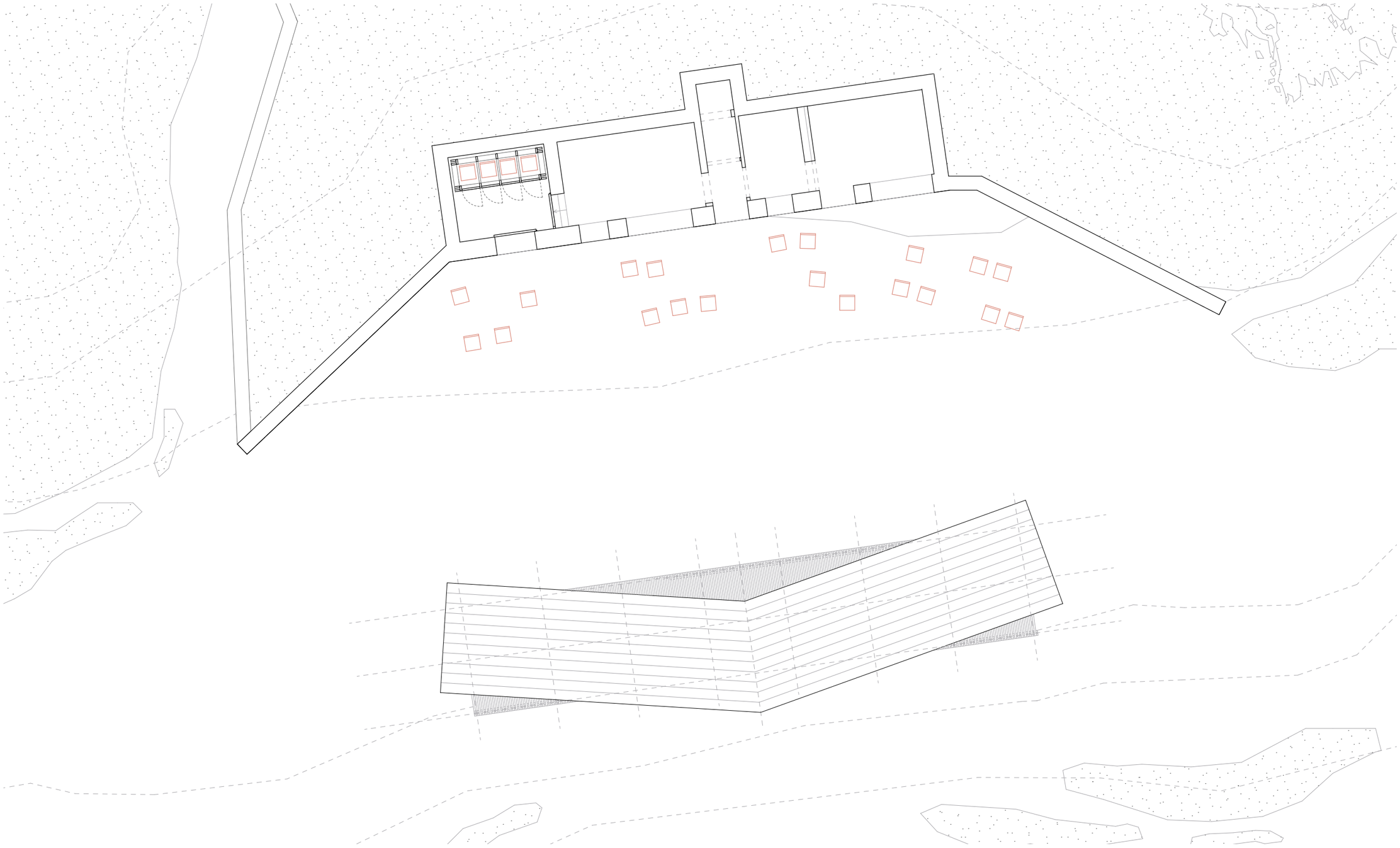
1:100



Stage

Floorplan

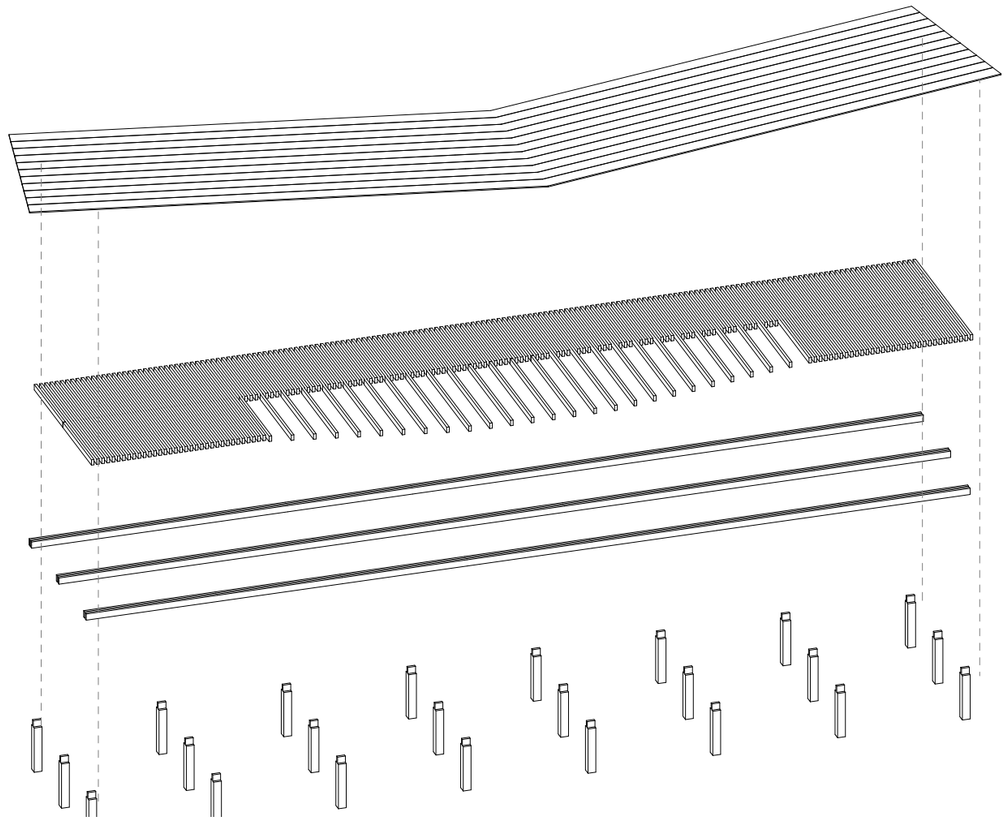
1:100



Projection room

Structure

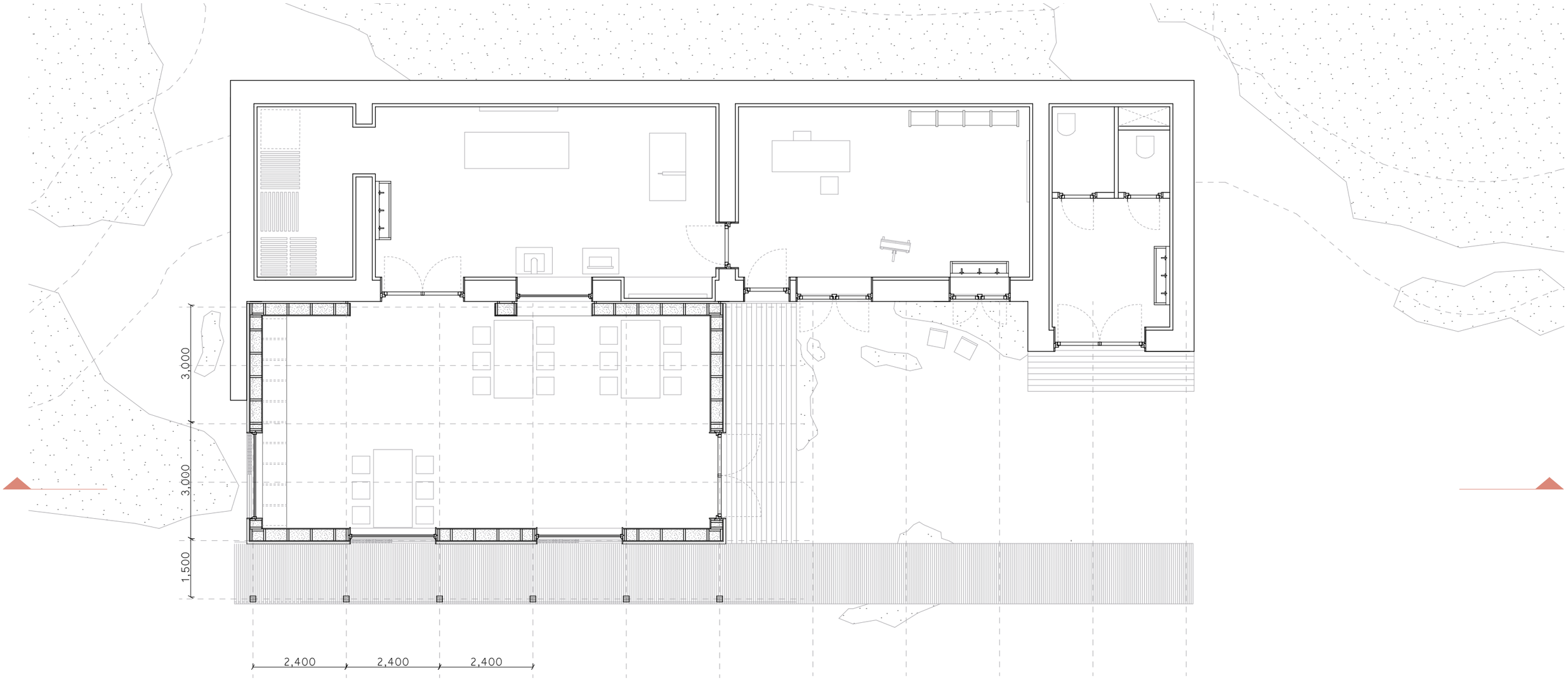
sceme



Workshop

Floorplan

1:100

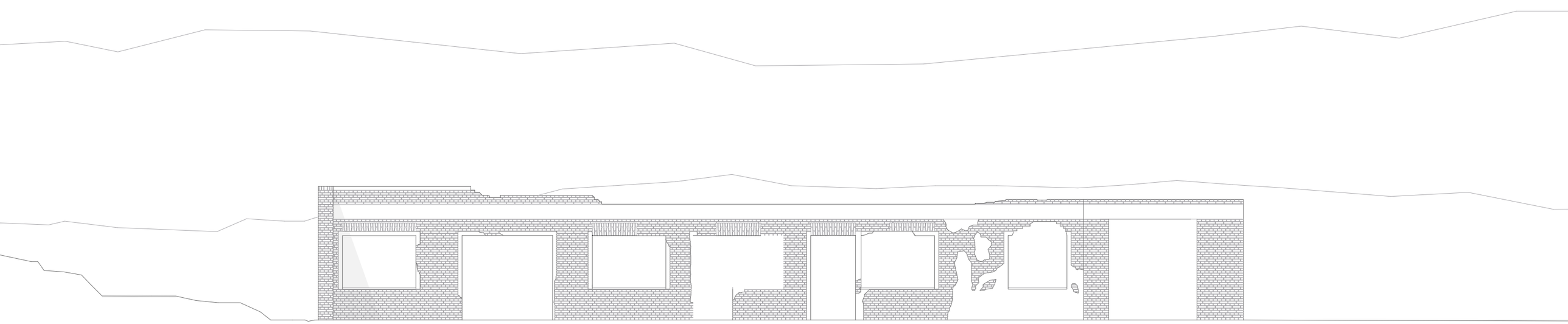


2 4

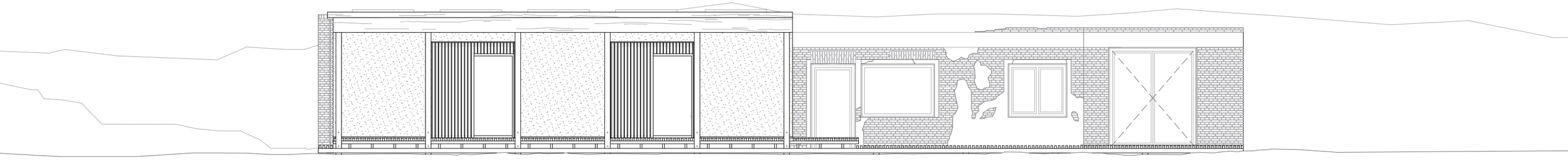
Workshop

Elevation

1:100



Exisitng



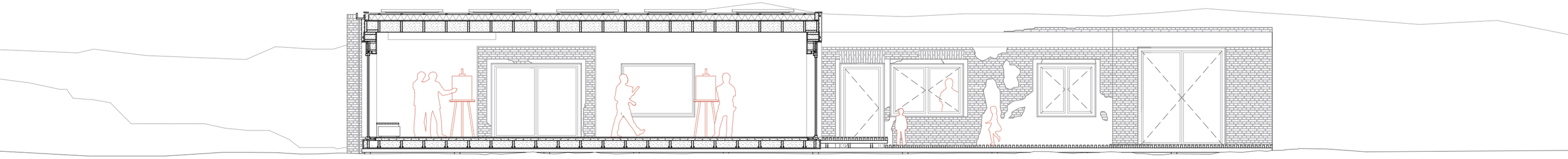
New

2 4

Workshop

Section

1:100

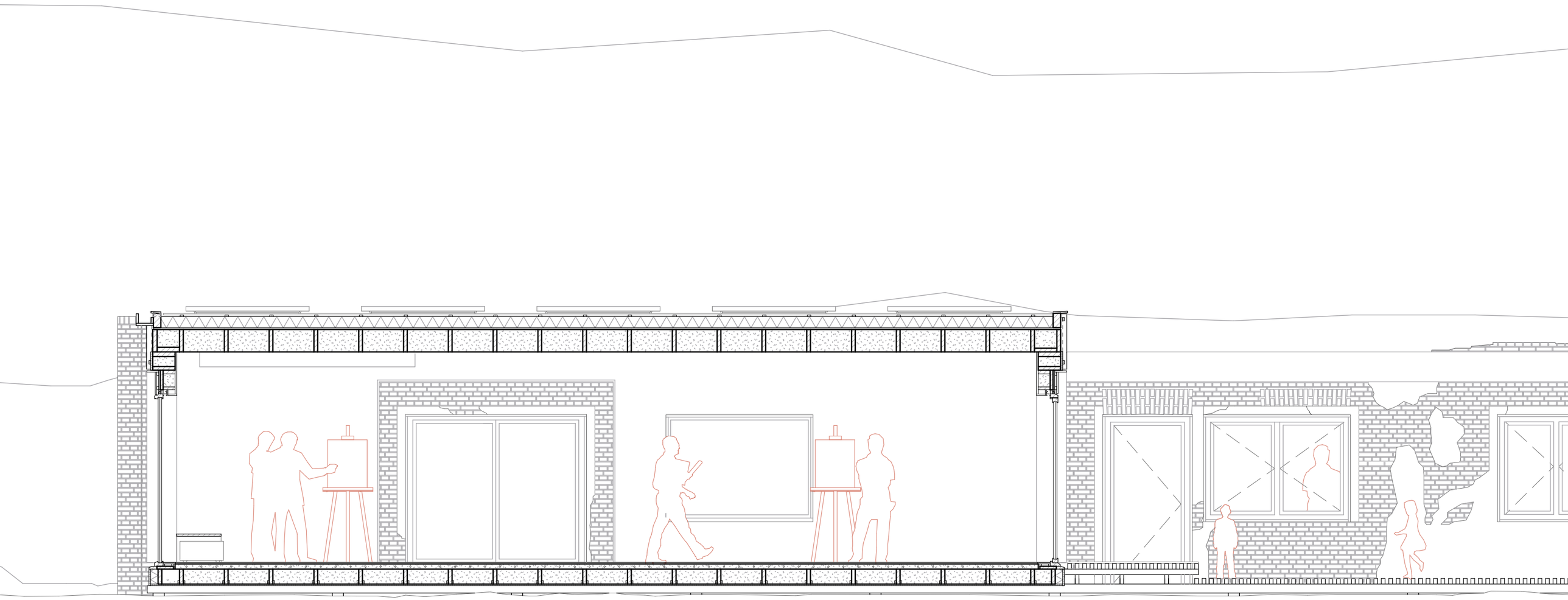


2 4

Workshop

Section

1:50

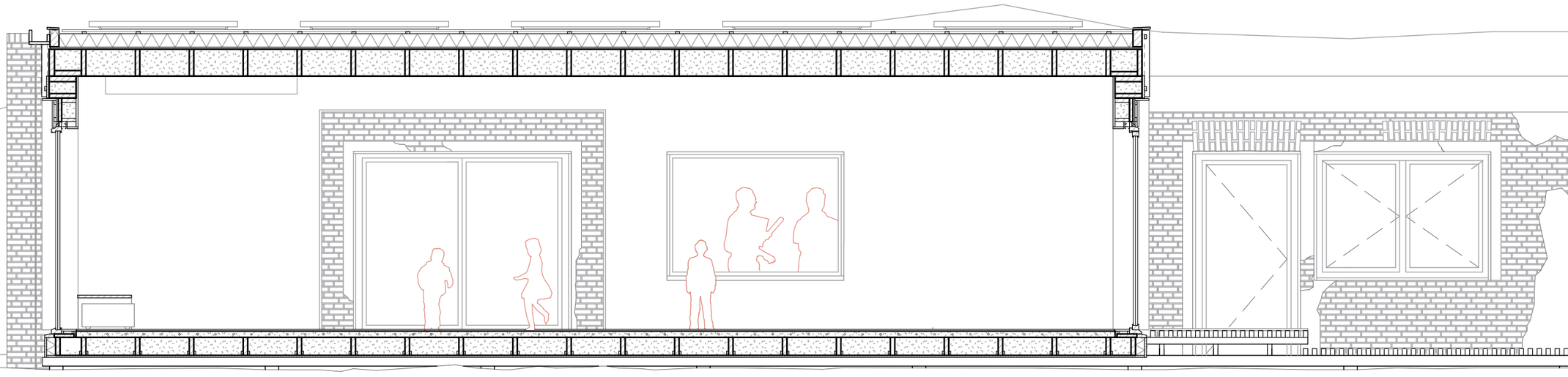


1 2

Workshop

Section - Visual towards wood workshop

1:50

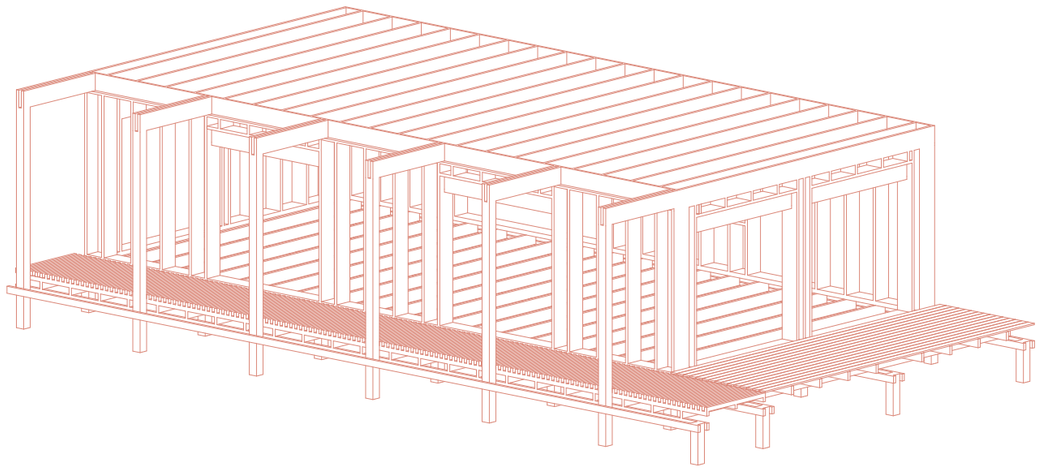


1 2

Workshop

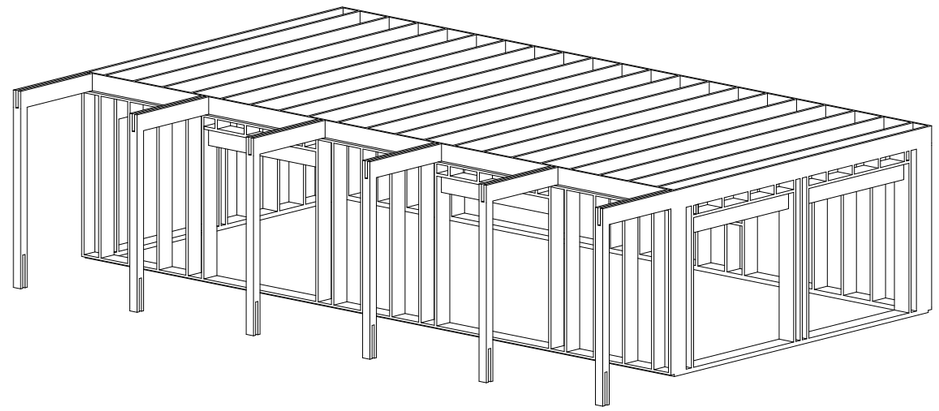
Structure & platform

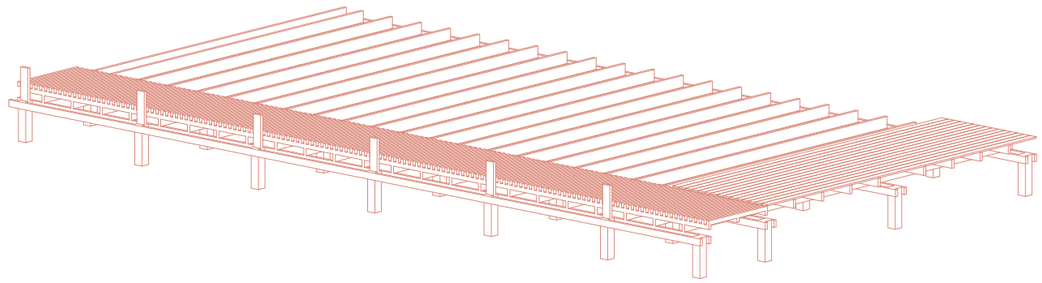
sceme



Pine wood

structure



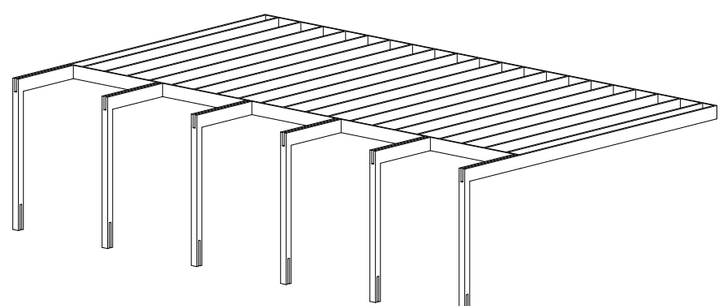


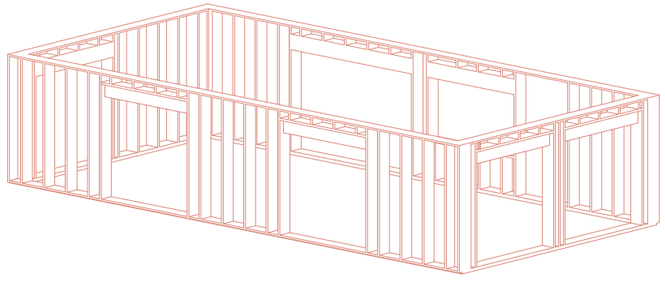
Platform

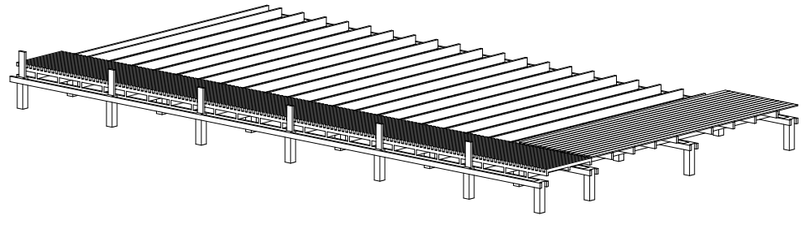
Workshop

Structure & hempcrete

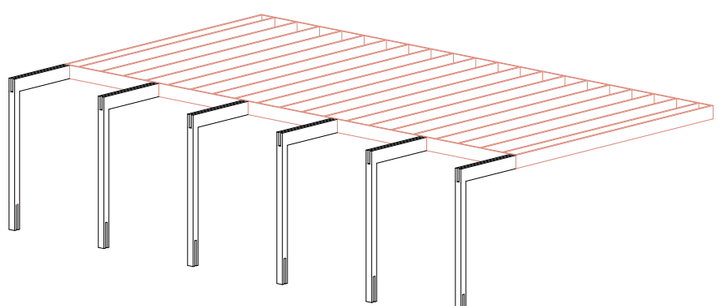
sceme

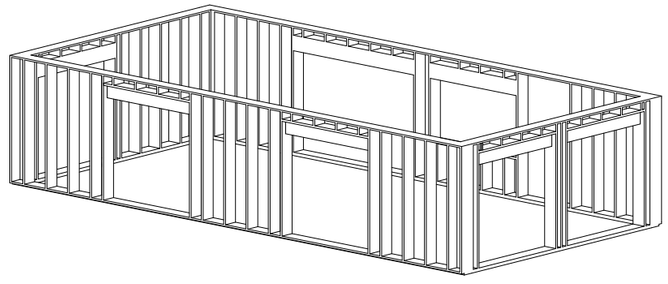


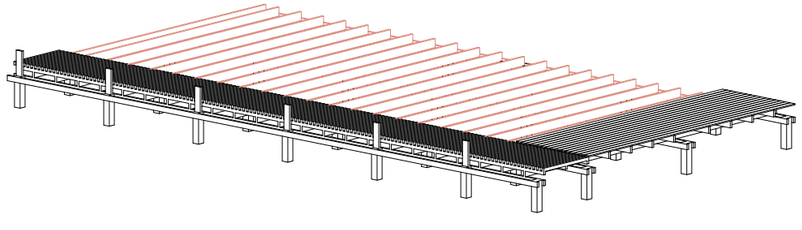




Prefabricated facades







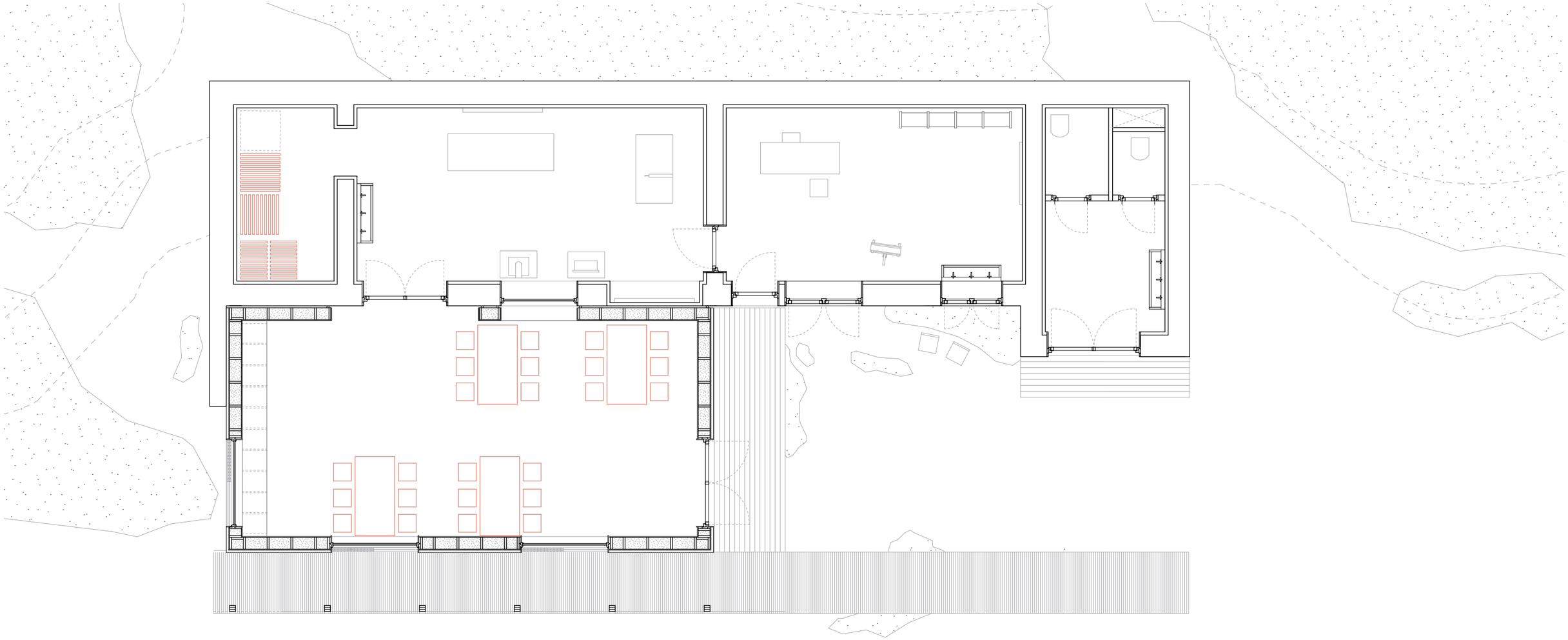
Floors and roof

hemp cast in situ

Workshop

Floorplan: Workshop school class

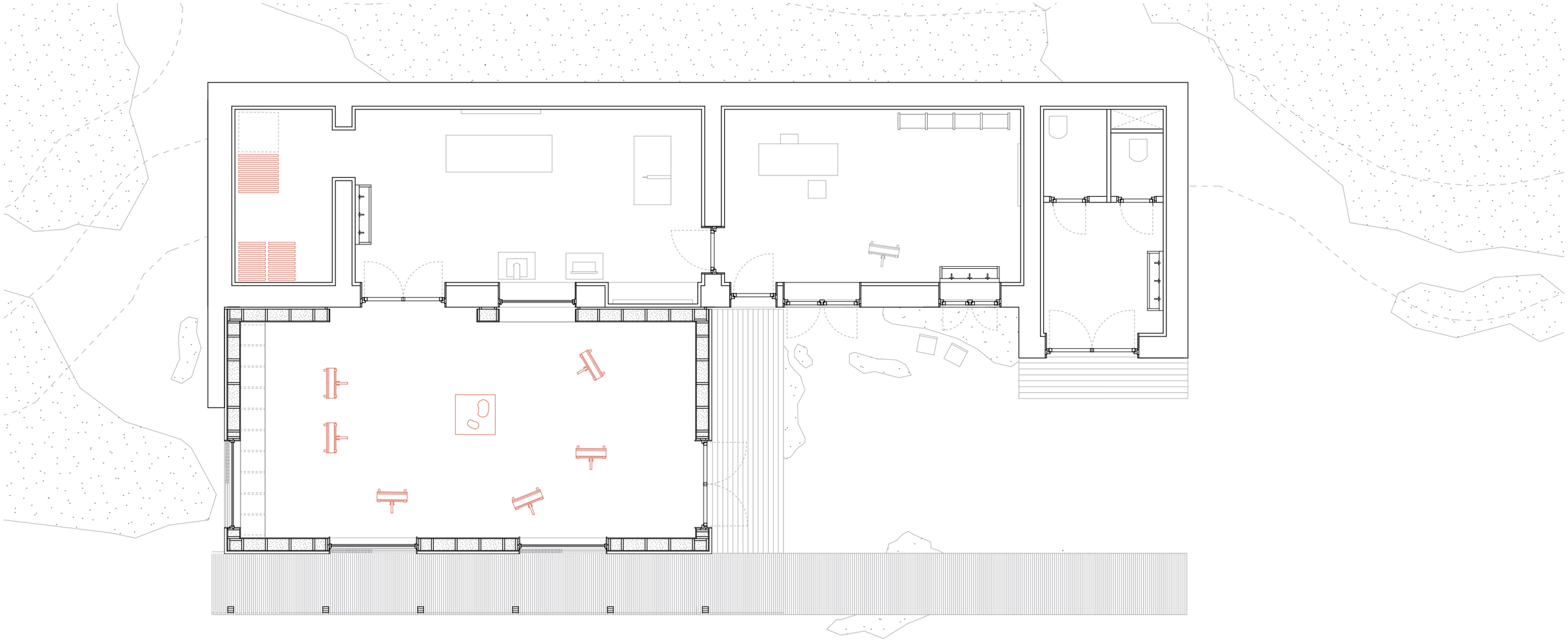
1:100



Workshop

Floorplan: Painting course

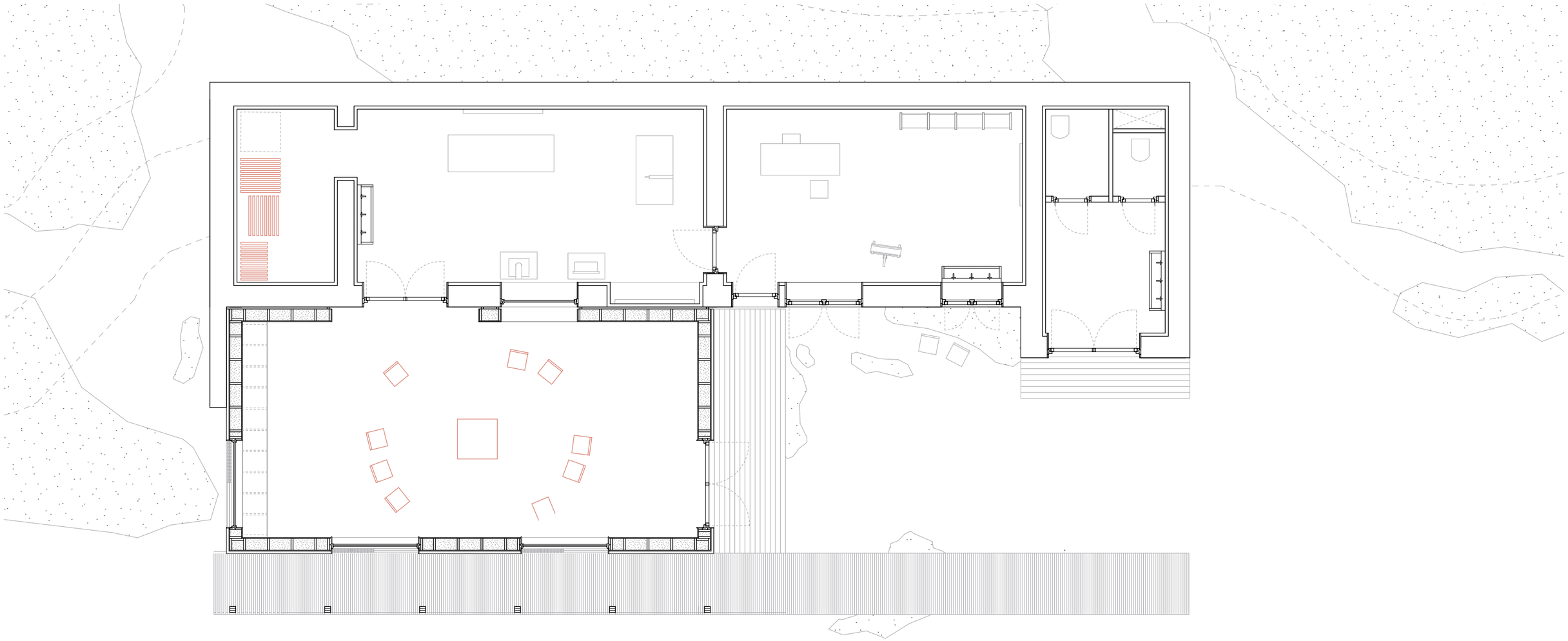
1:100



Workshop

Floorplan: Brainstorm session / theater practice

1:100



Wooden water gutter

Collection
for toilets

Cantilever:
South facade

Movable panels

Light regulation
inside

PV panels

Themally modified
pine wood:
water resistant

500

2800

1200

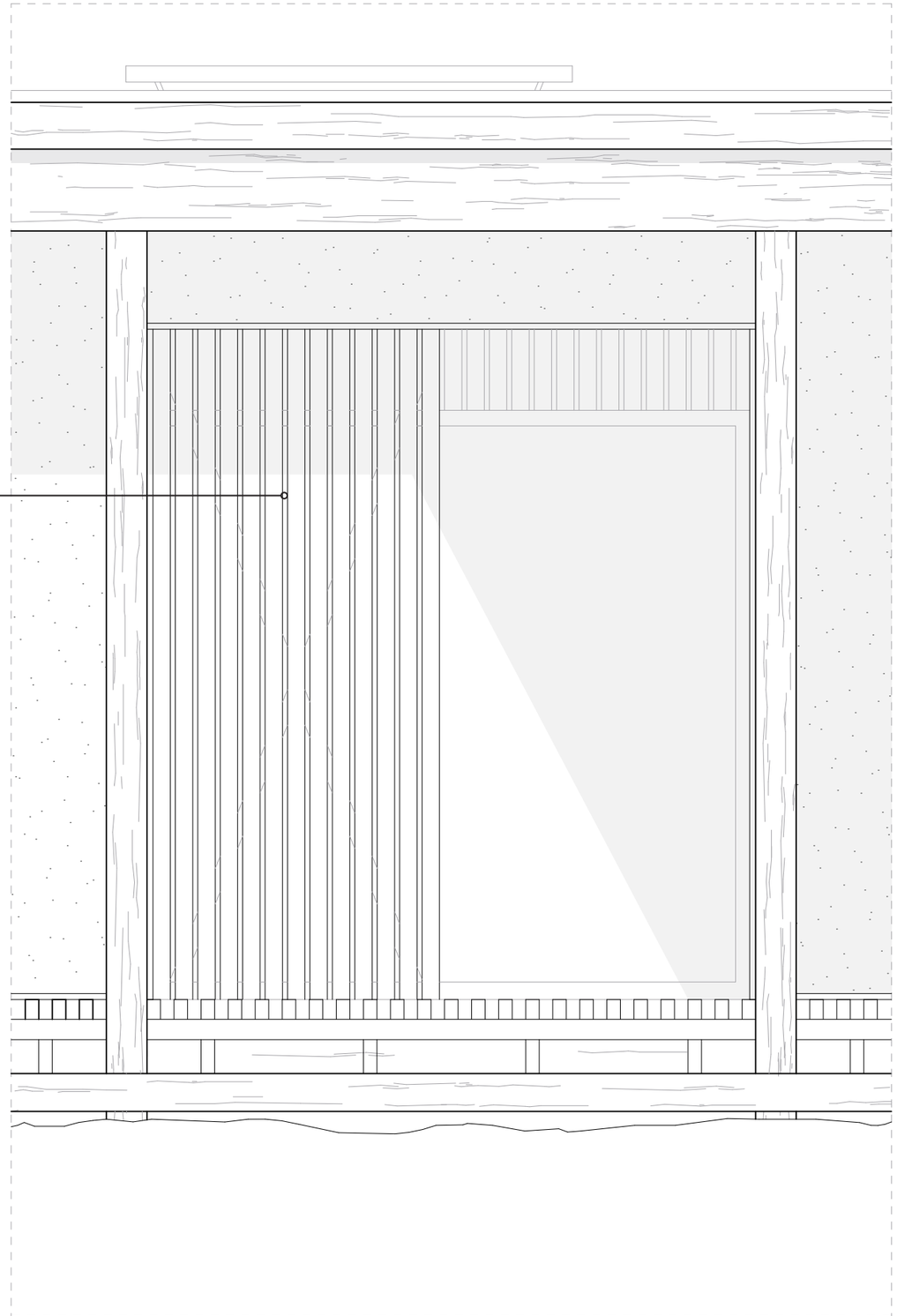
310

1500

Workshop

Facade fragment

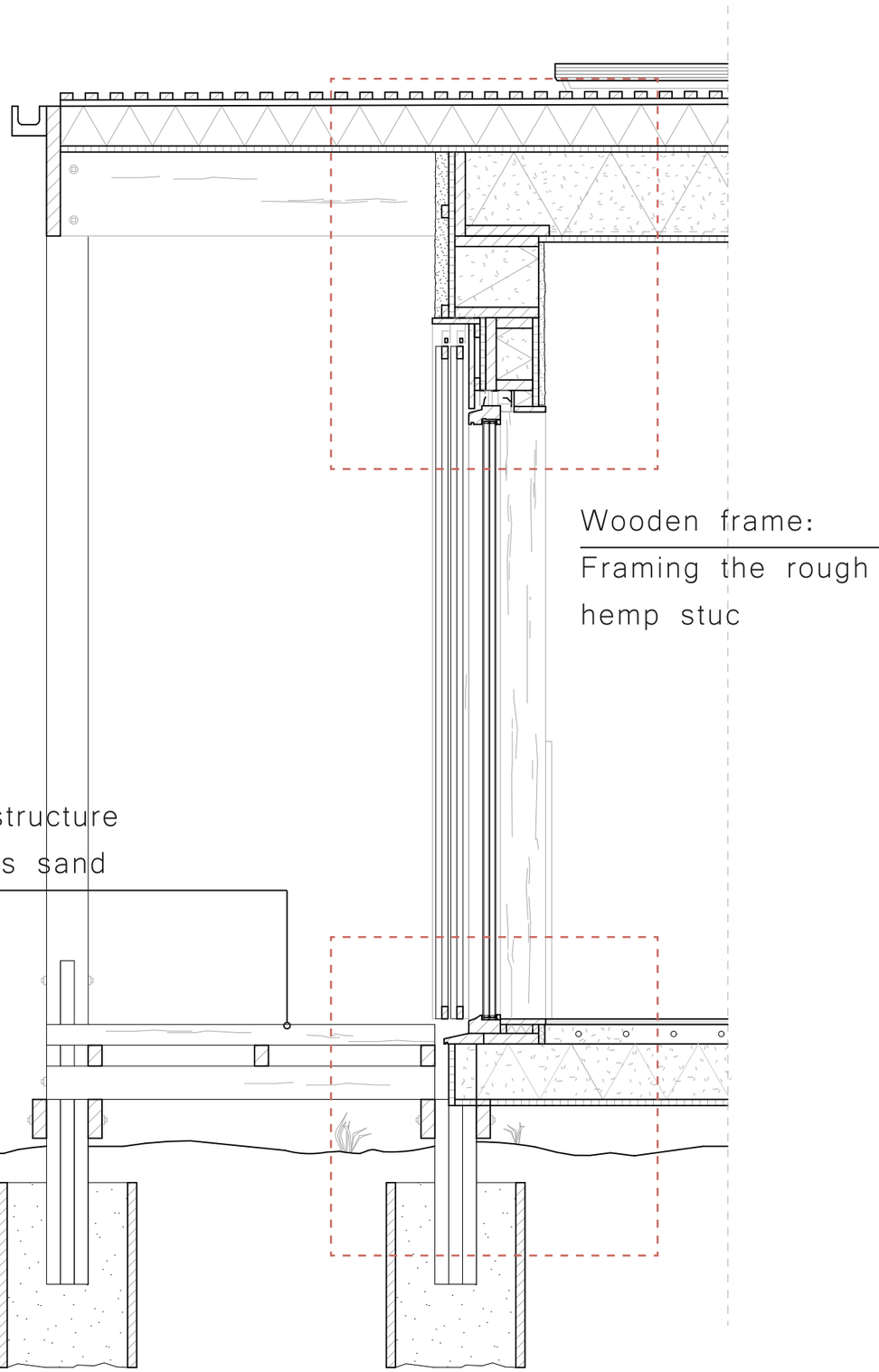
1:20

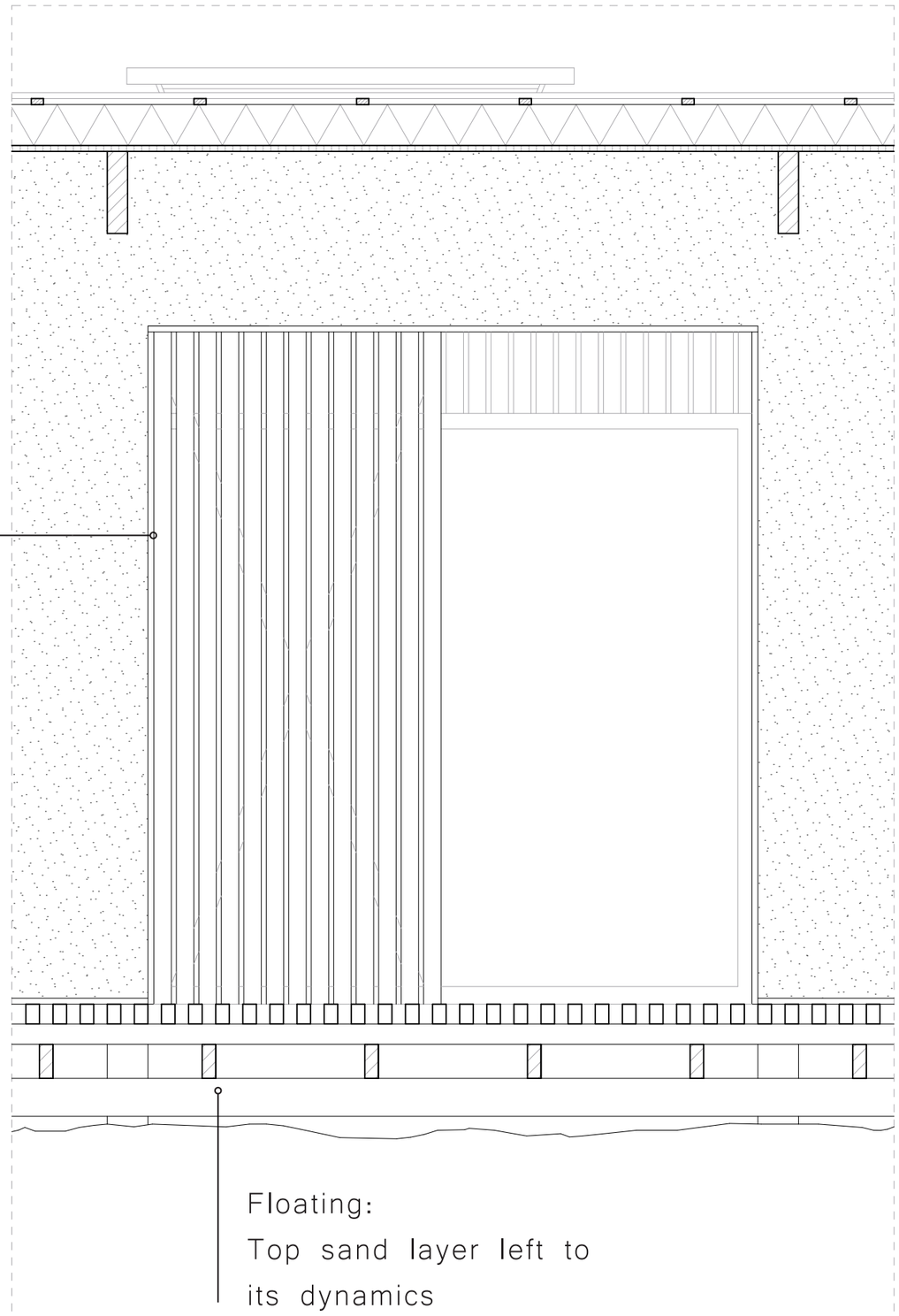


Workshop

Facade fragment

1:20





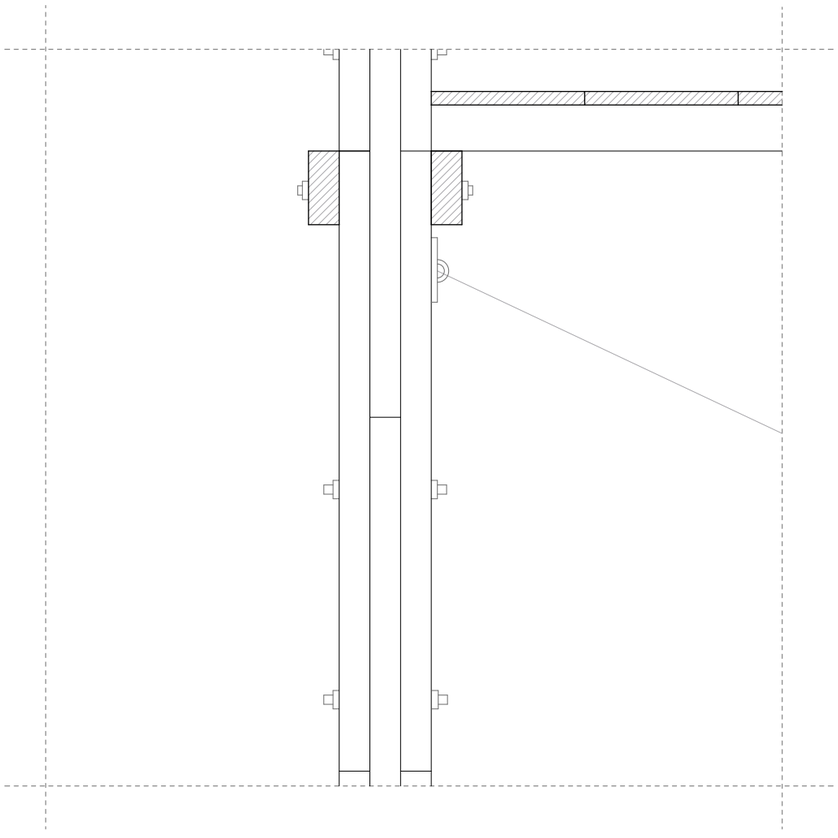
Details

Wood structure

1:10

Pine wood column

150x150 mm

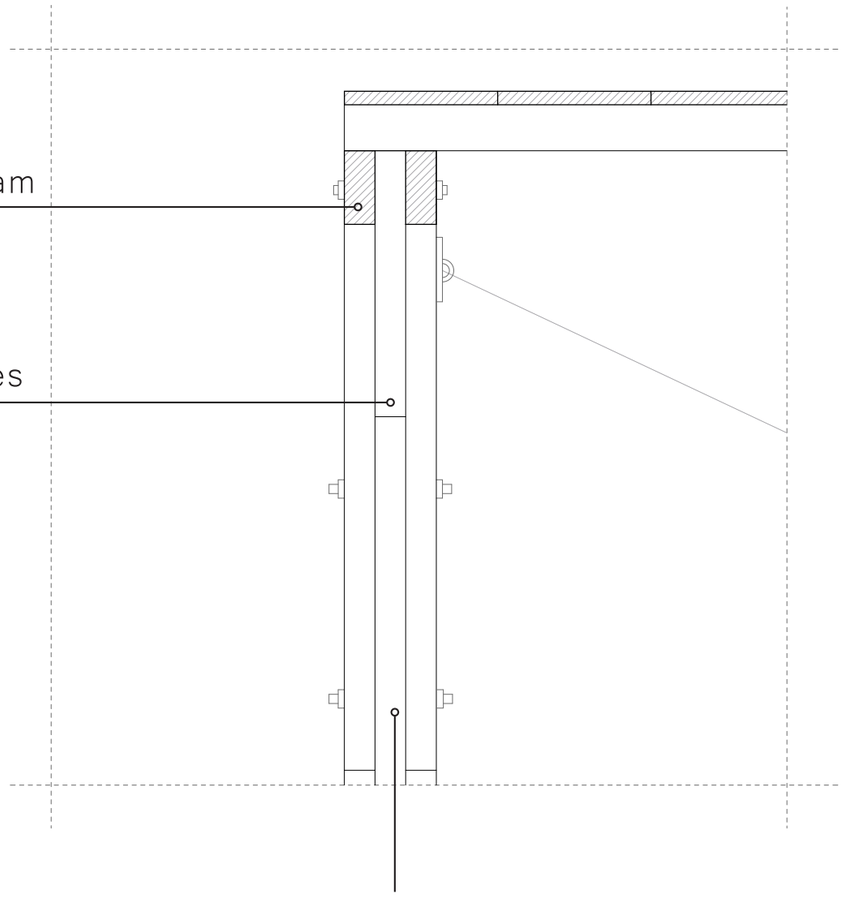


Pine wood beam

120x50mm

Pine wood piles

150x150 mm

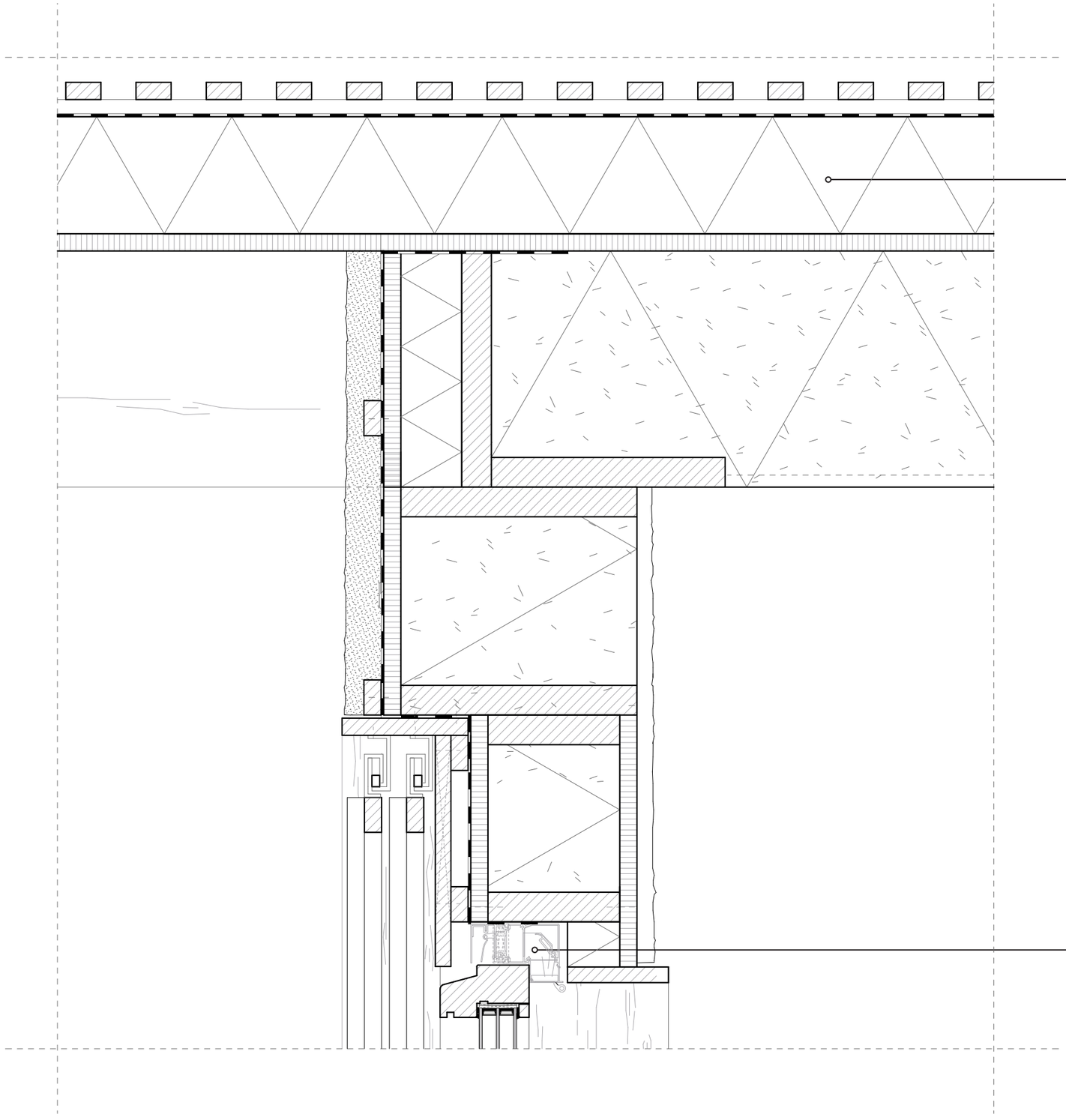


Themally modified pine wood
foundation element, 150x150 mm:
Water and fungus resistant

Details

Roof & facade

Drawed at scale 1:5



Roof: Vapor open

22 mm wooden finishing
22 mm wooden framwork
200 mm Pavatex pressure-proof wood fiber insulation
400mm hempcrete with timber studs (50x400)
22 mm fiberboard

Rc: 6,8 m^2K/W

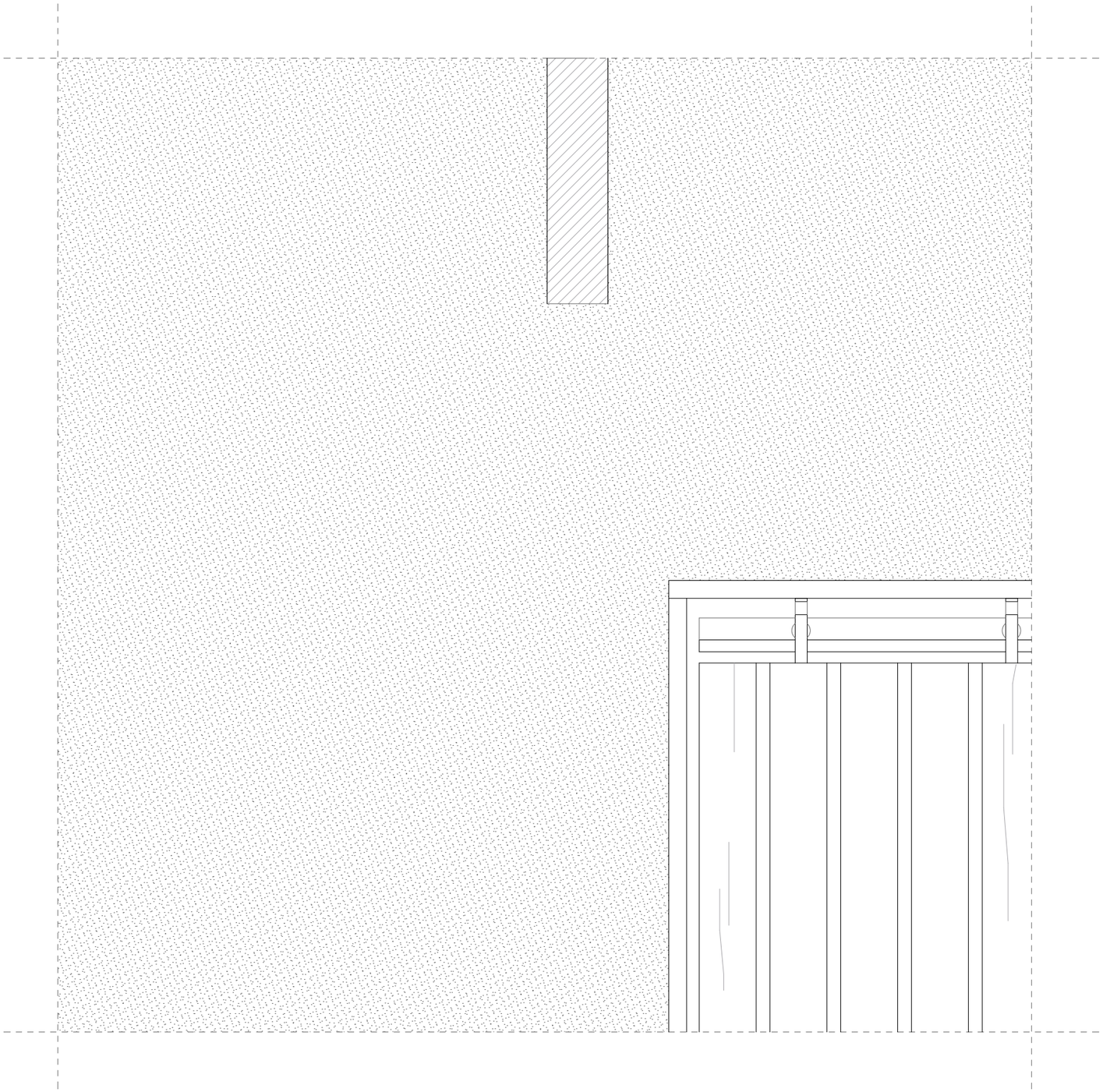
Ventilation grills:
Natural supply of air

20 cm 40 cm

Details

Elevation facade, upper window part

Drawed at scale 1:5

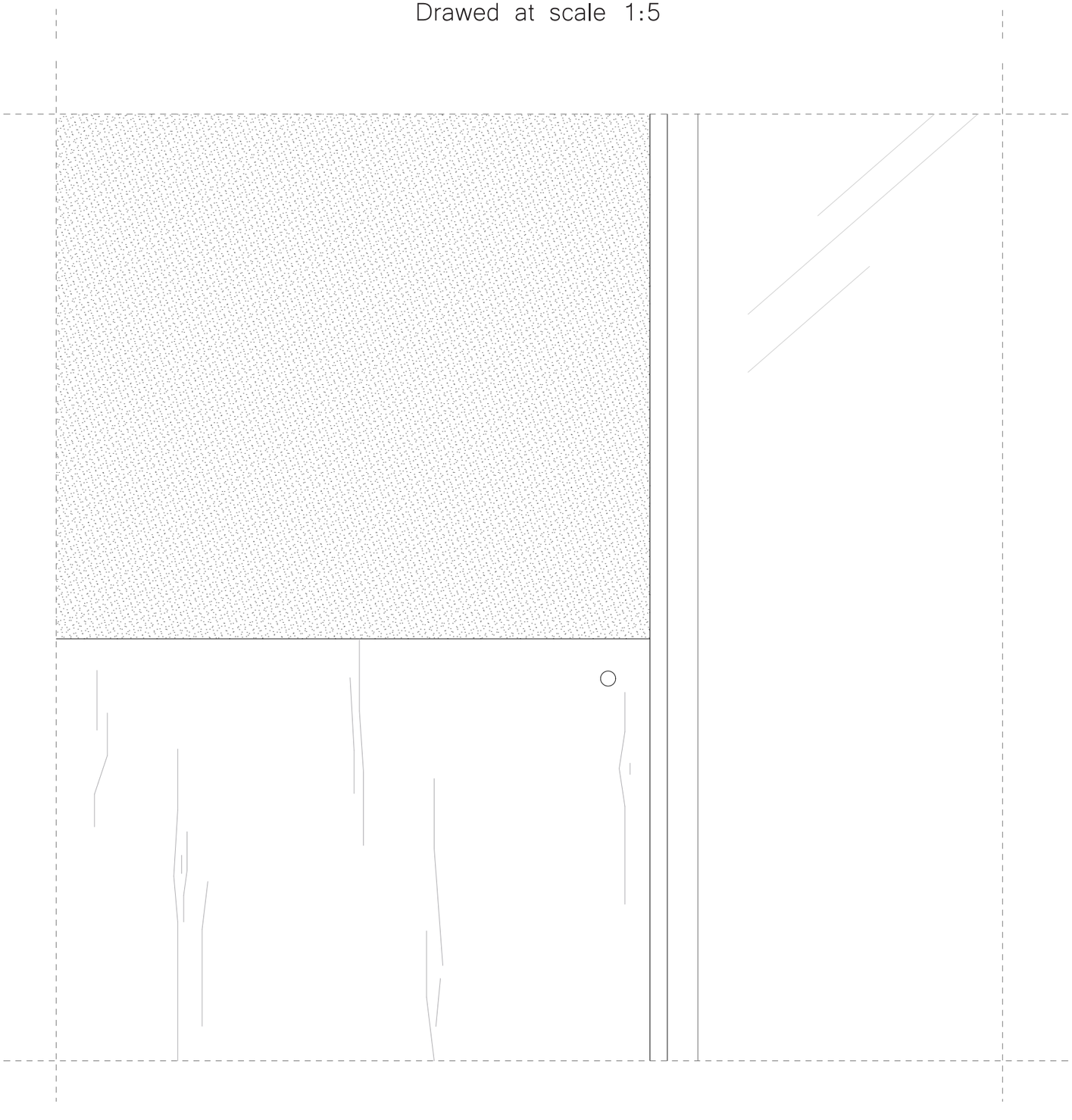


20 cm 40 cm

Details

Elevation interior, window frame

Drawed at scale 1:5



20 cm 40 cm

Details

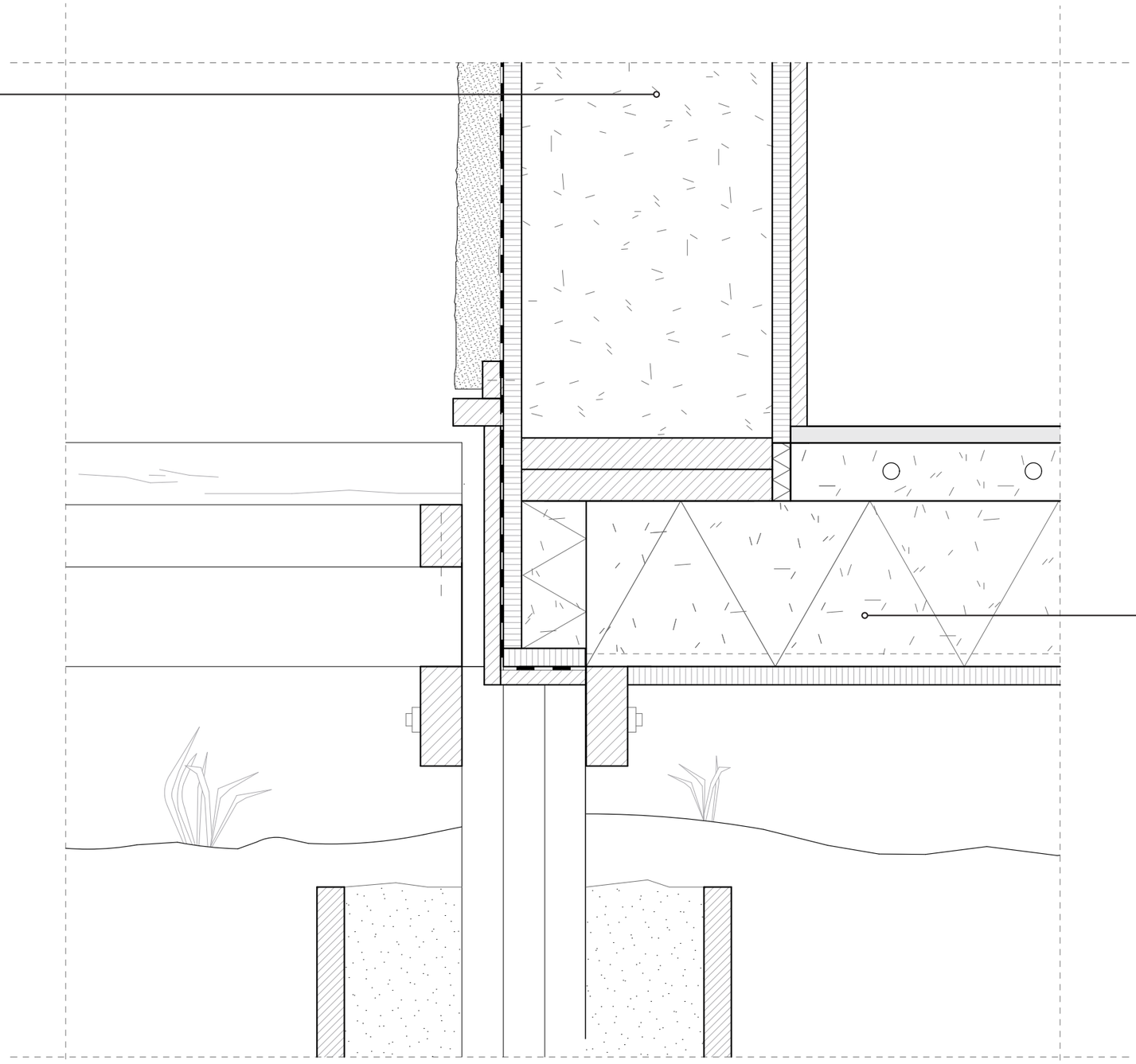
Roof & facade

Drawed at scale 1:5

Facade: Vapor open

60mm Hemp-lime stuc
Vapor open water barrier
22 mm pavatex fiberboard
300mm hempcrete with
timber studs (50x300)
22 mm fiberboard
30 mm pine wood boards

Rc: 5,4 m^2K/W



Floor:

20 mm Chalk cast floor
70 mm Chalk hemp:
Leveling layer &
Floor heating
200 mm Hempcrete with
wooden beam (50x200)
22 mm fiberboard

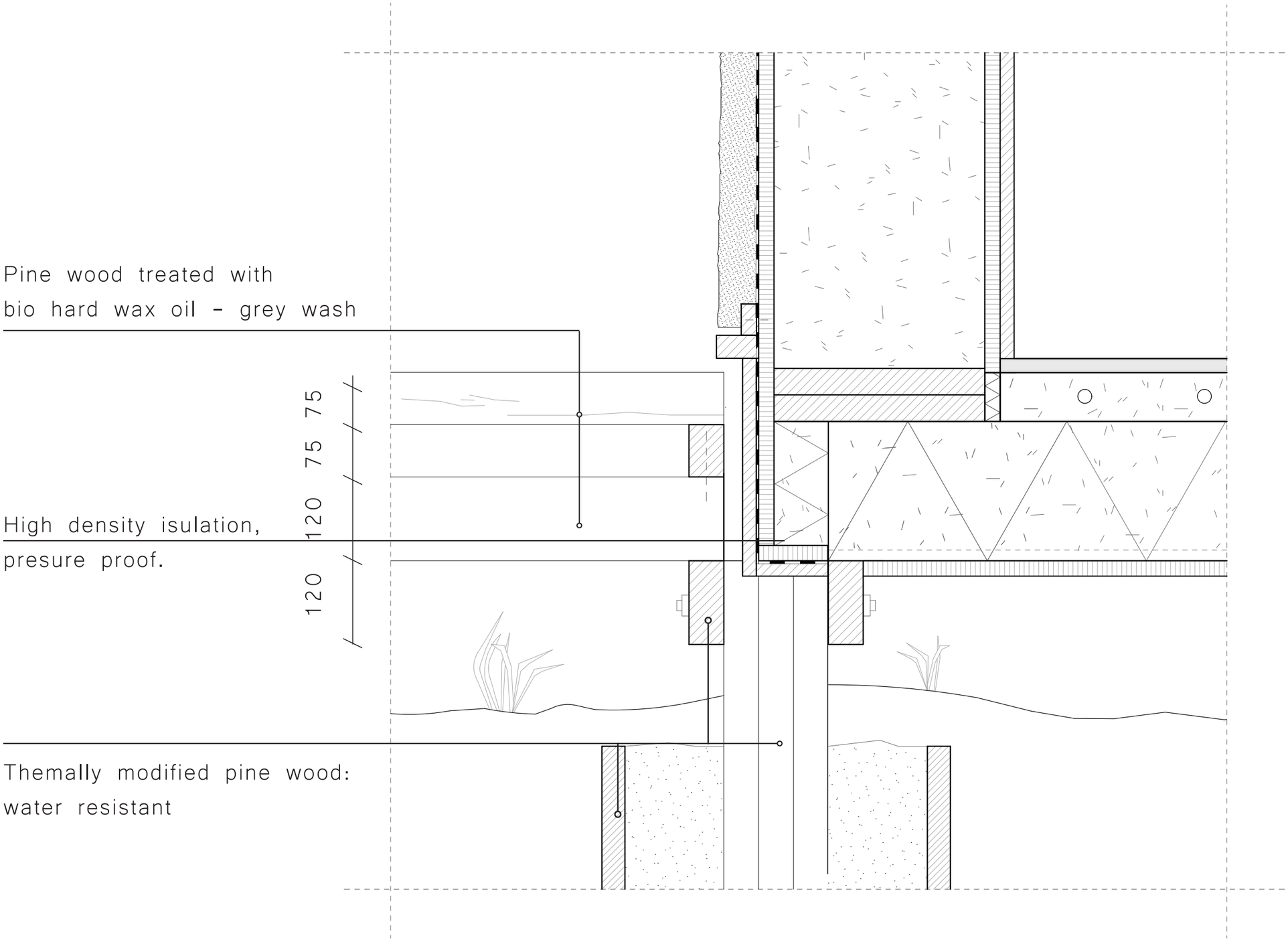
Rc: 4 m^2K/W

20 cm 40 cm

Details

Roof & facade

Drawed at scale 1:5

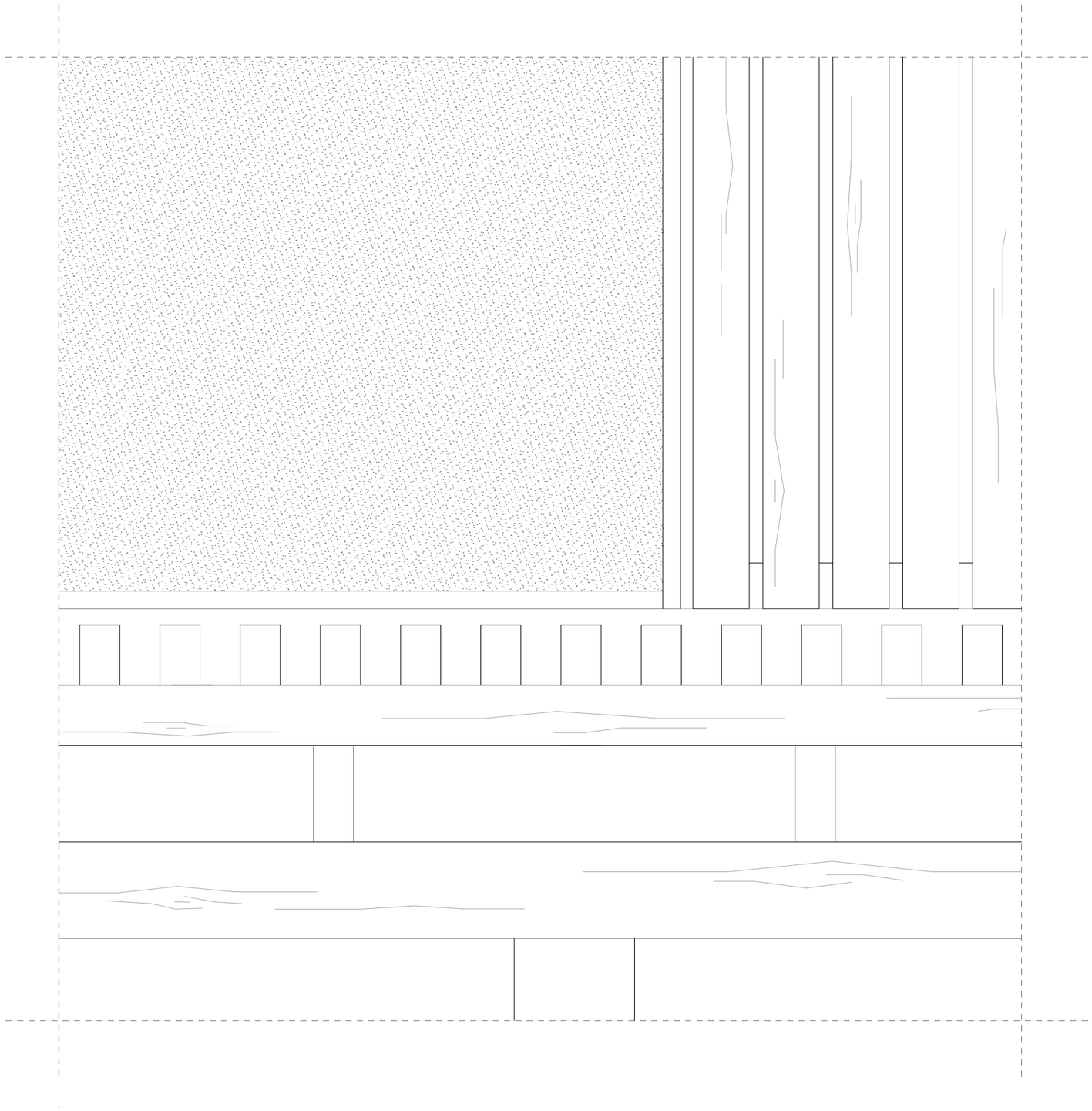


20 cm 40 cm

Details

Elevation facade, lower window part

Drawed at scale 1:5

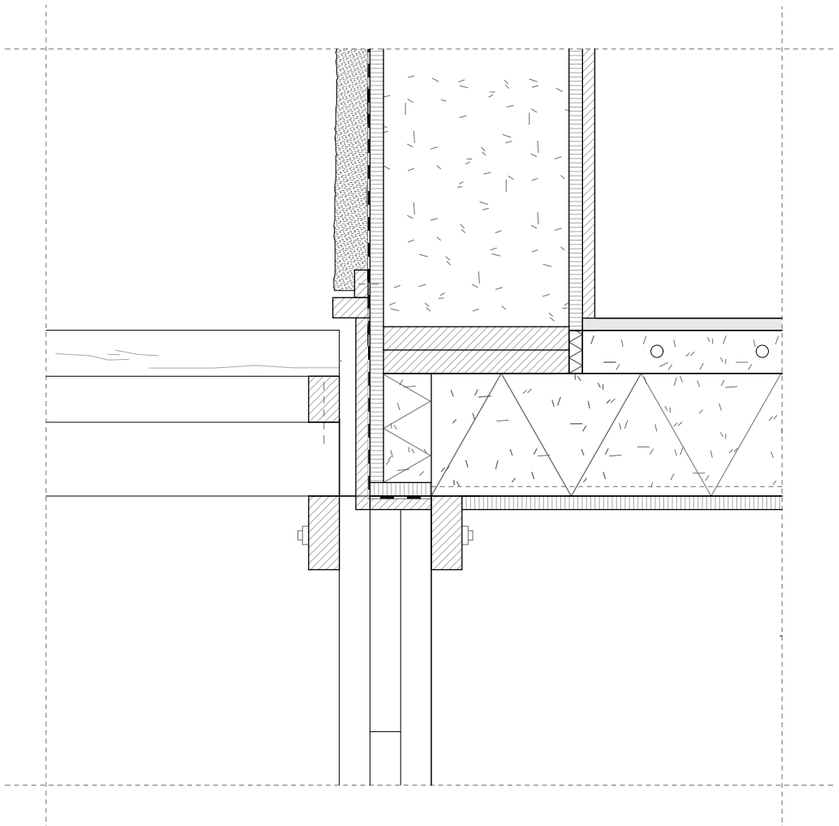


20 cm 40 cm

Details

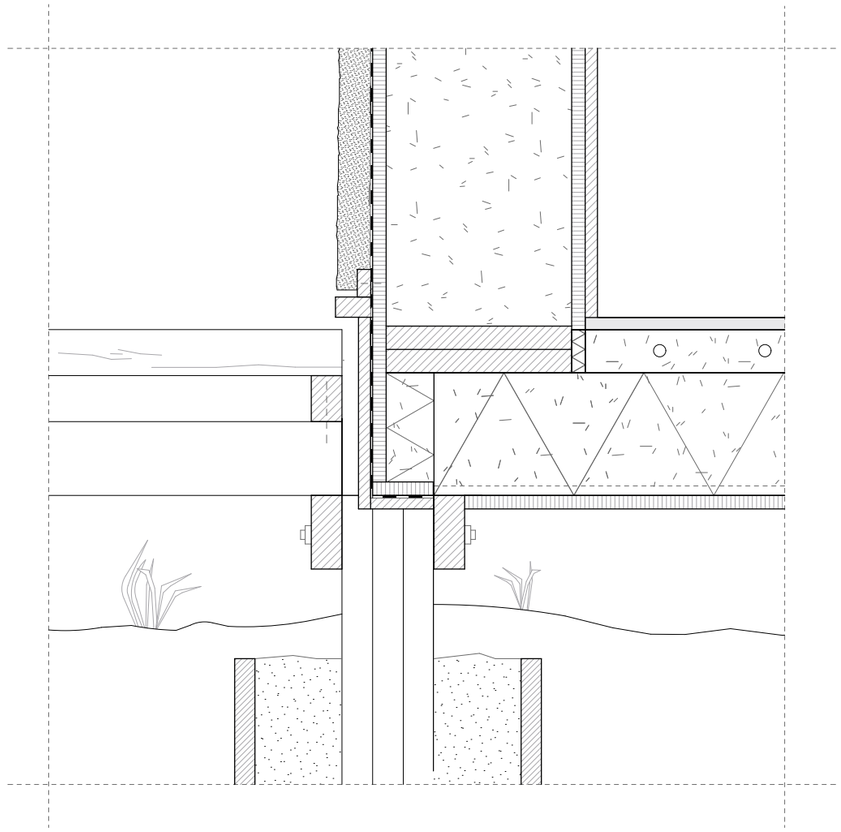
Facade variations

1:10



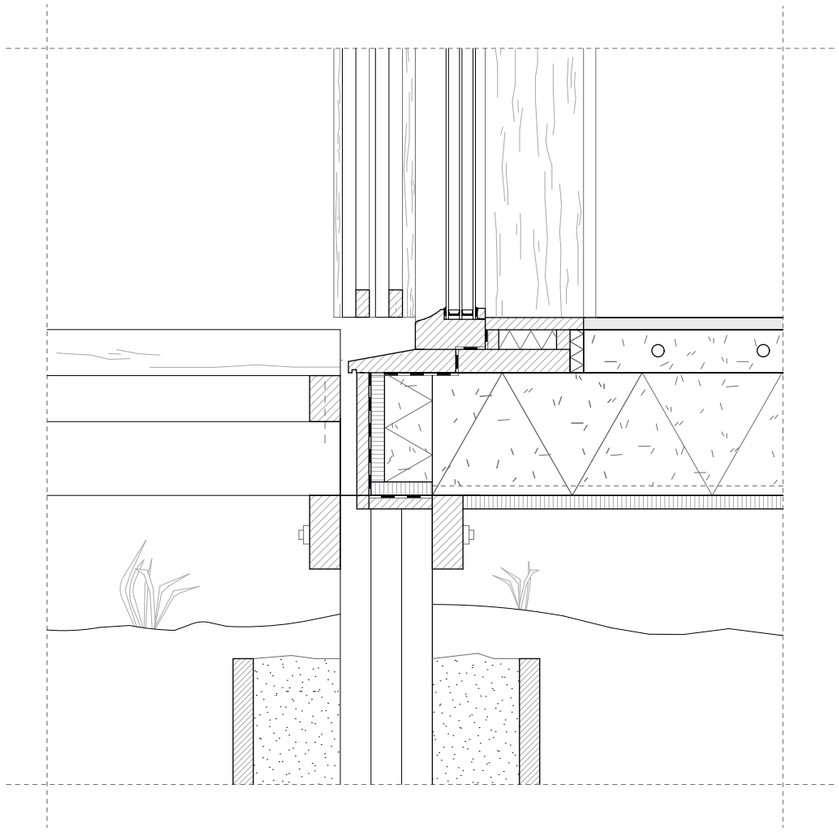
Pavilion

On piles, closed facade



Workshop

Closed facade



Workshop

WIndow

20 cm 40 cm