

Reflections of the Bossche Stadsdelta
A Folly Route - to experience the Bossche Stadsdelta



De Kink



Situation plan 1:2000
Total route: 2km
Duration: 45min - a whole day



Amphihaven



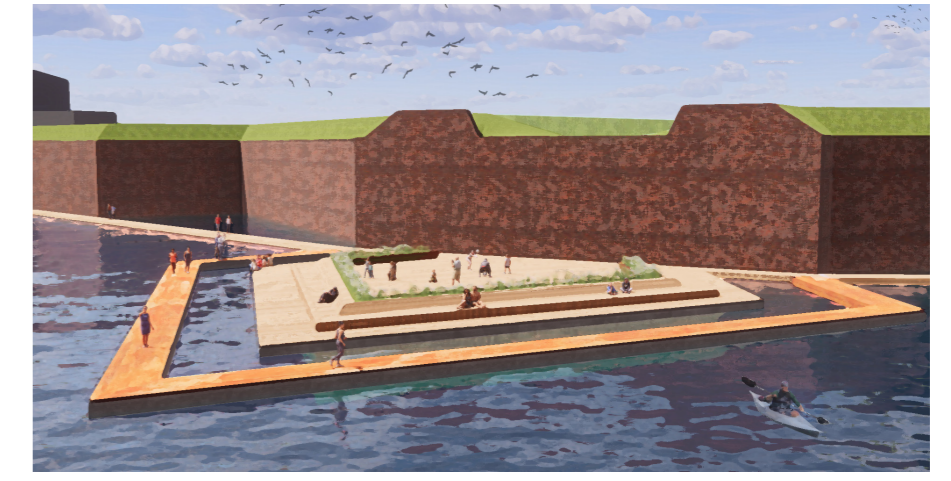
Bascule Baken



Waterlijn



Uitkijk 3-60



Citadelpunt



Bossche Busstop



Camping Koffientent

Reflections of the Bossche Stadsdelta
Moving and stopping through the Bascule Baken



New bridge meets existing basement in a shared language

A



Moving through the bascule baken

C



Sightlines to other follies

E



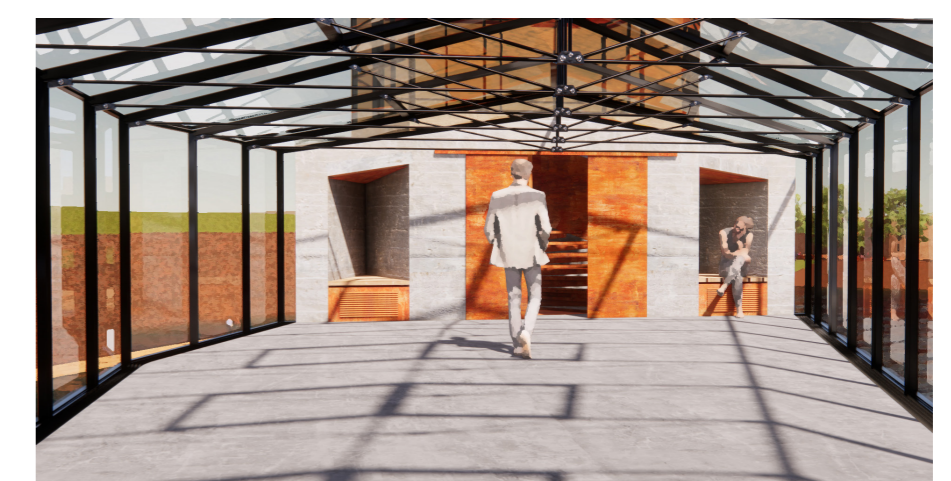
Architecture allows for appropriation

B



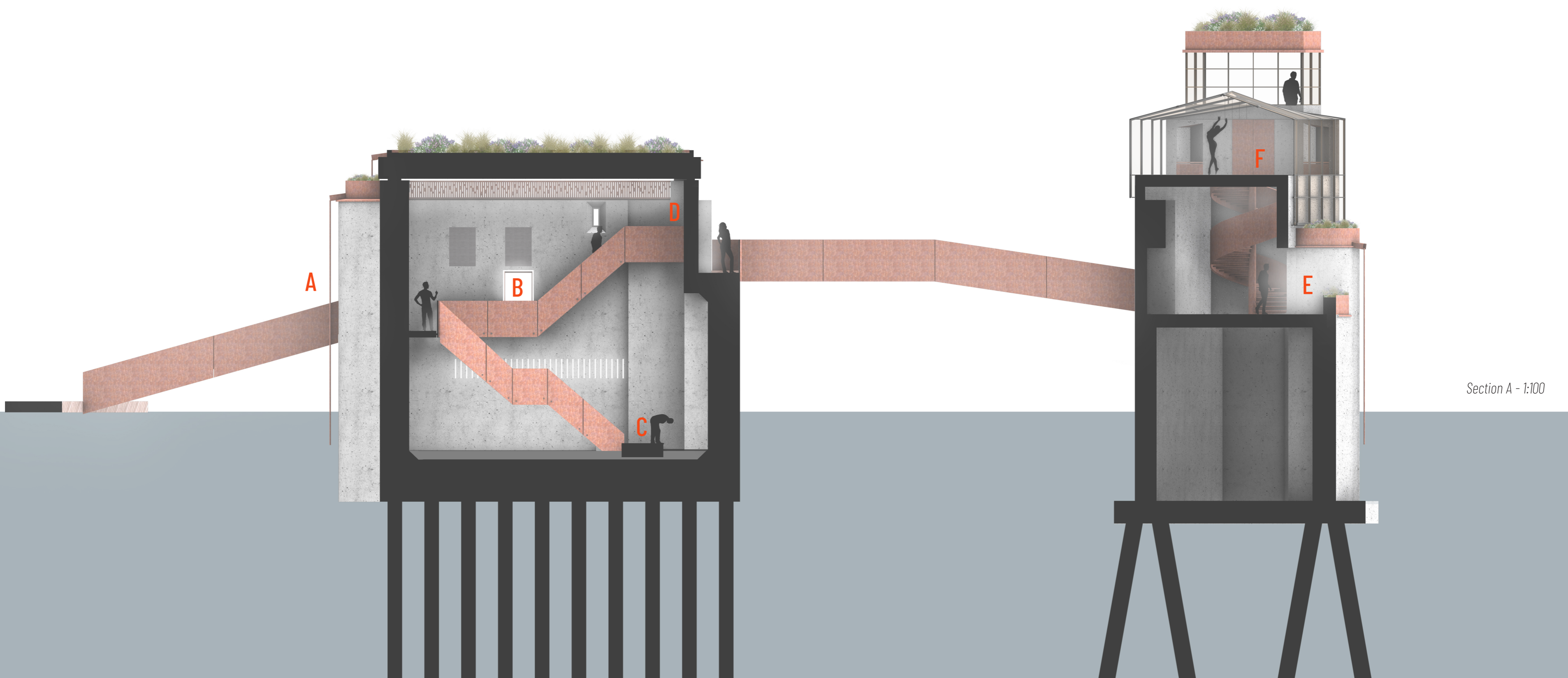
Amplifying existing qualities with a new architectural language

D

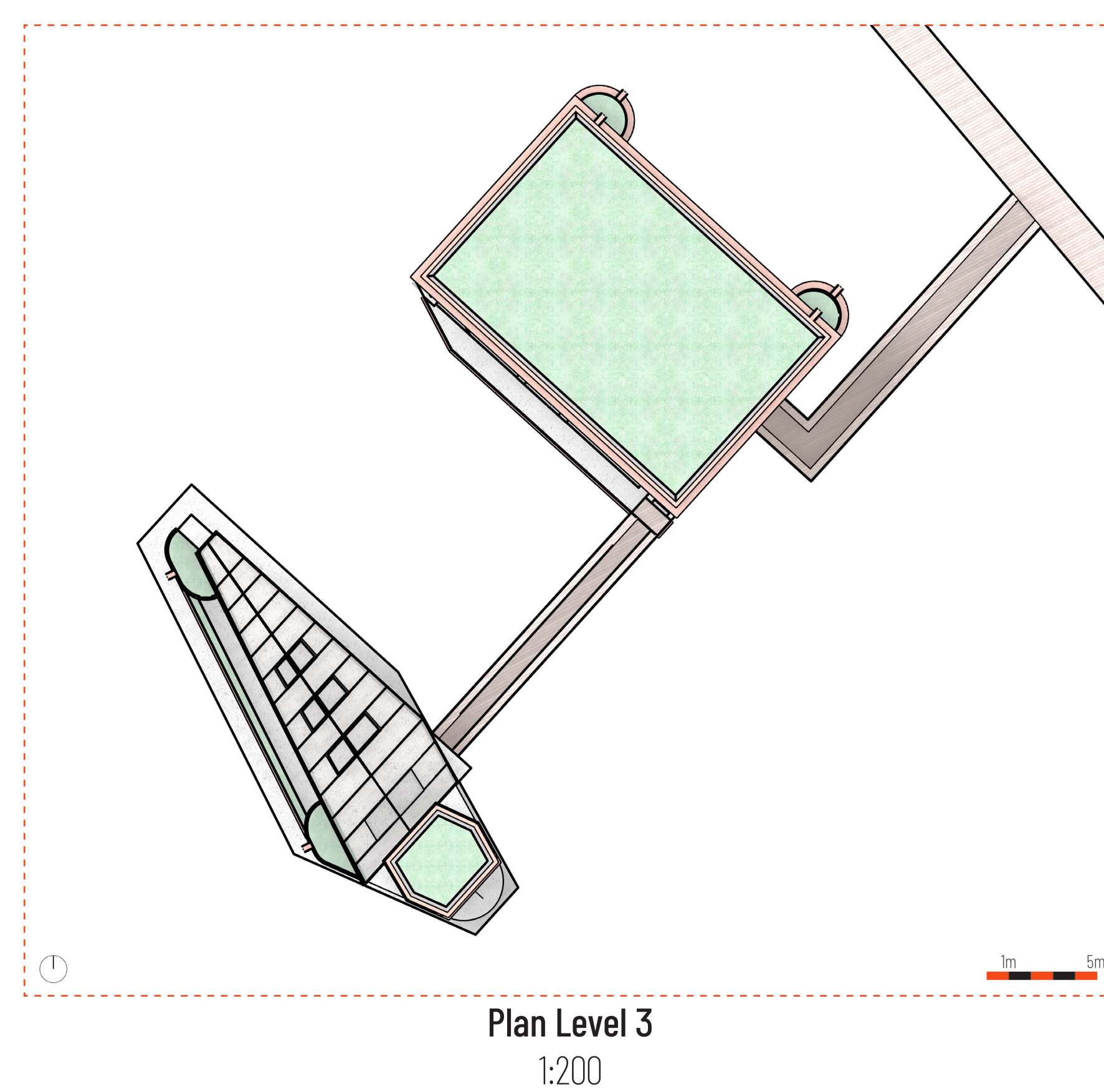
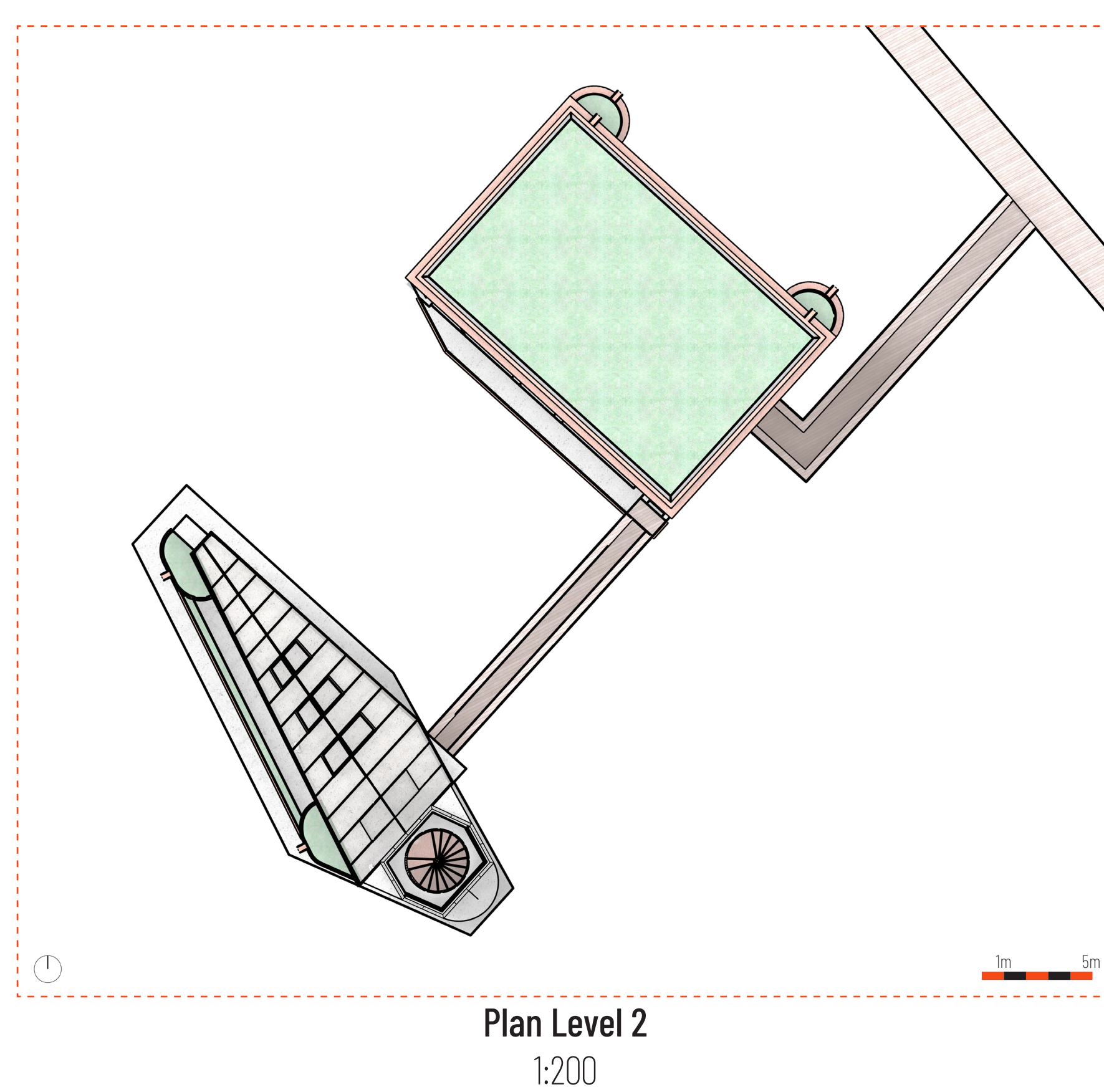
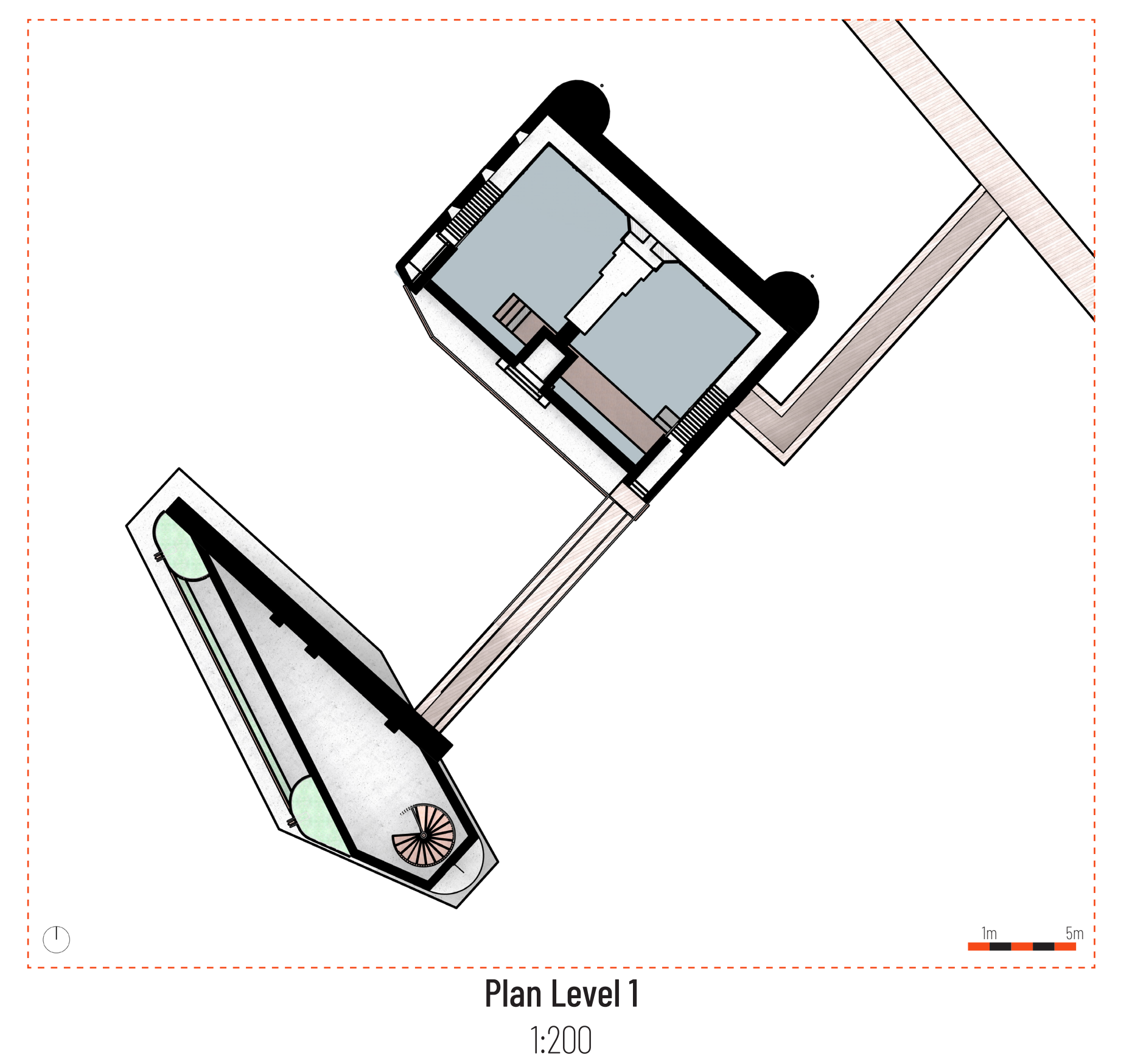
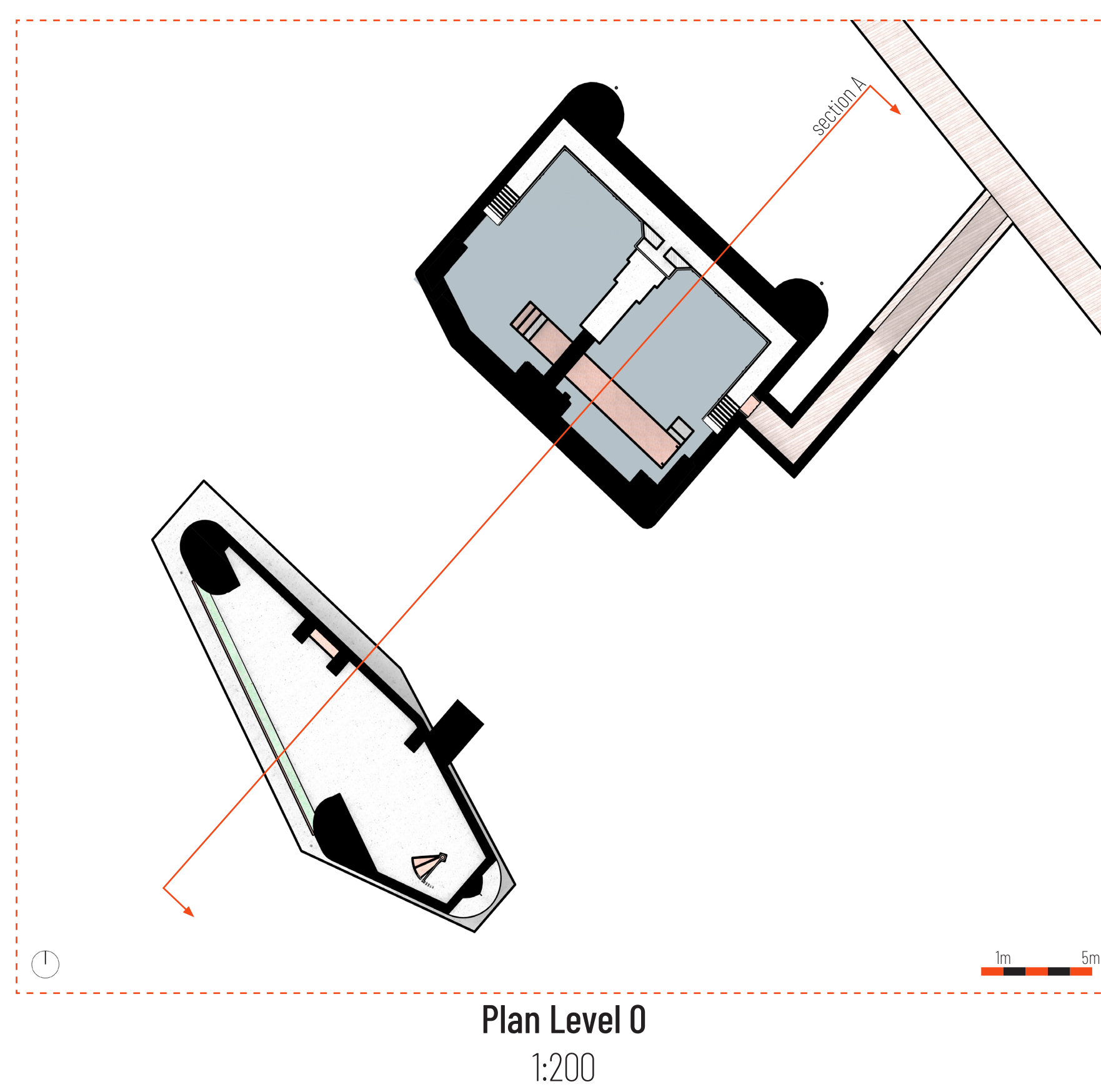
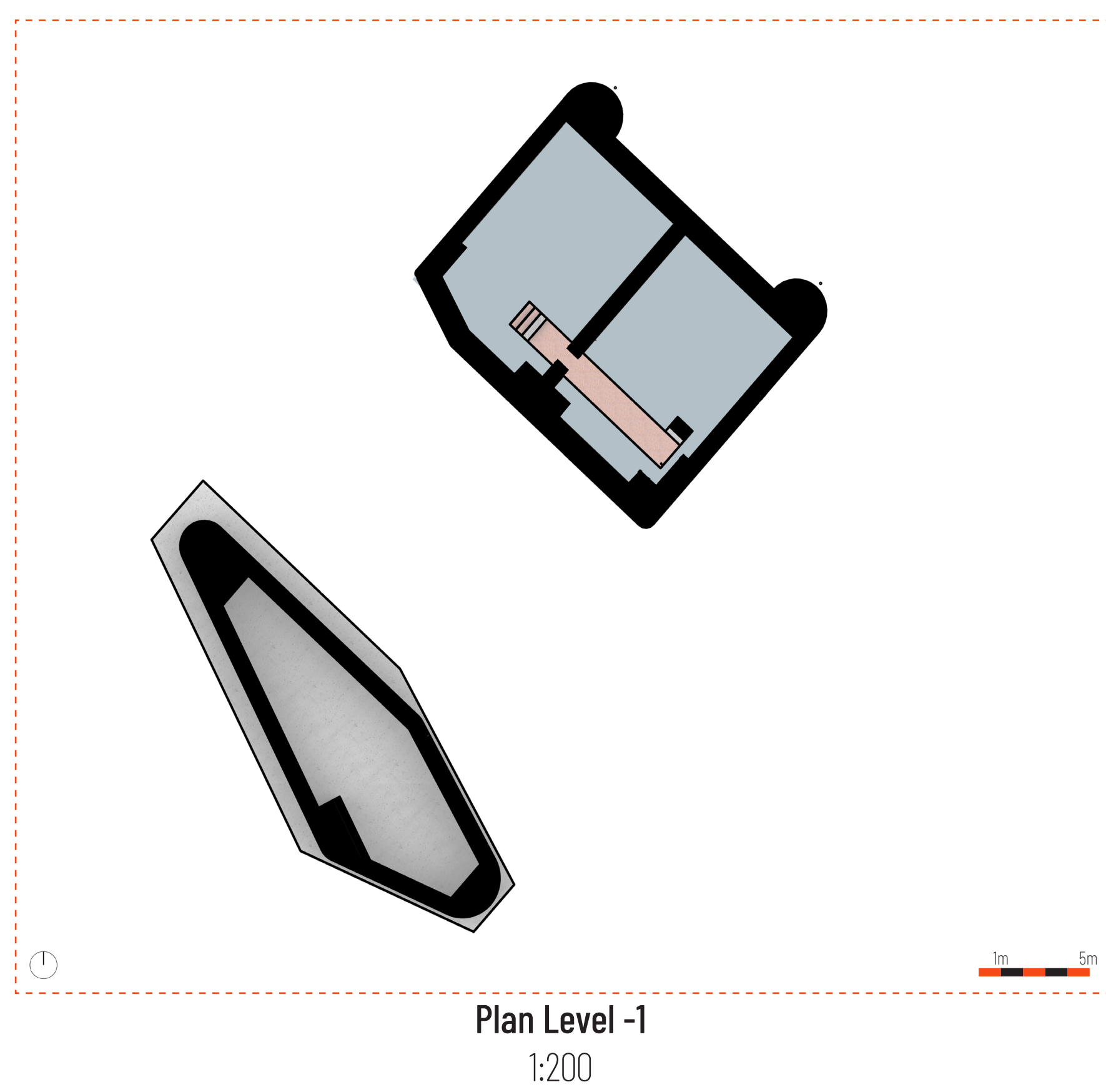
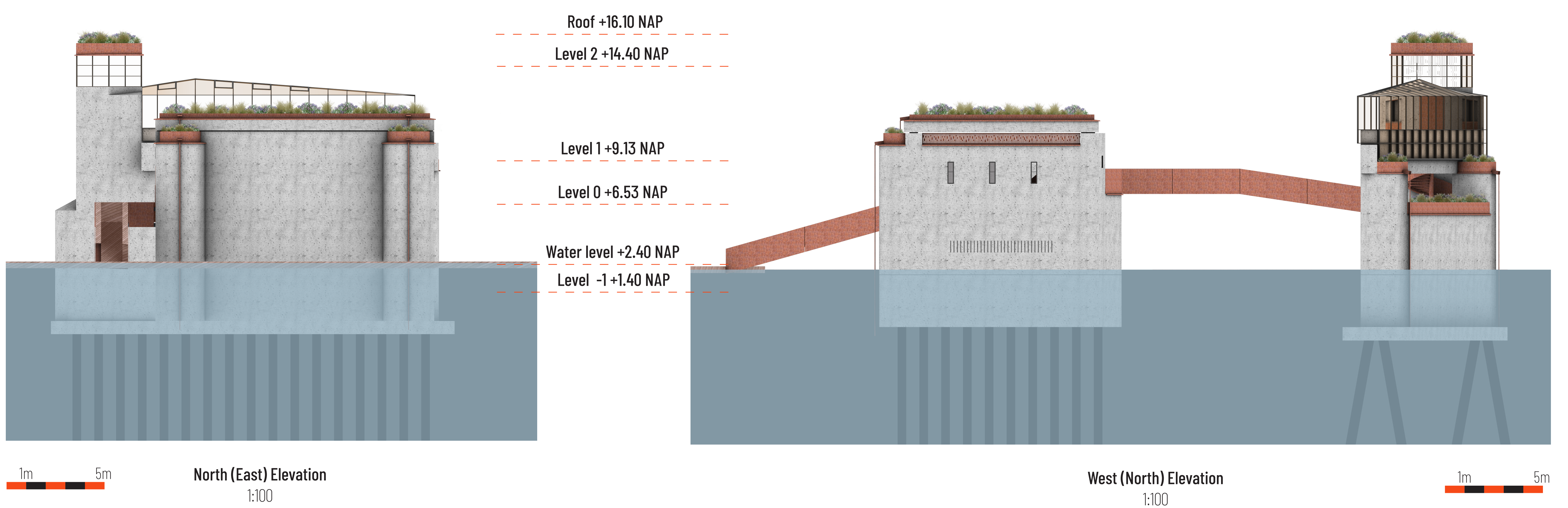
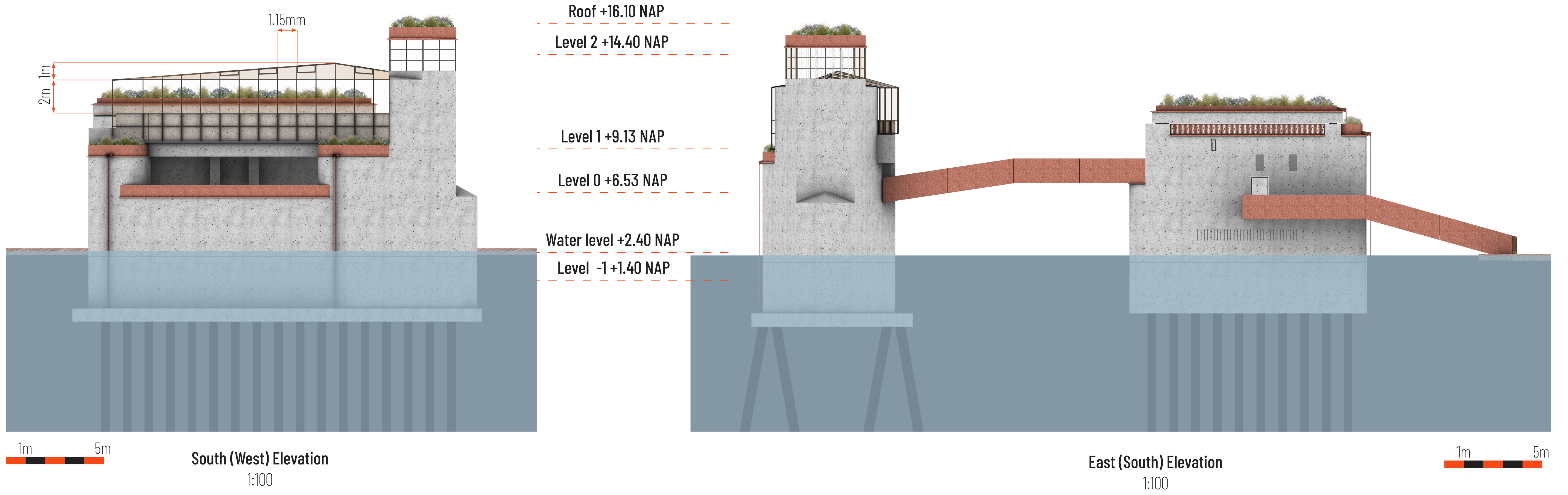


Spaces to move through and stop

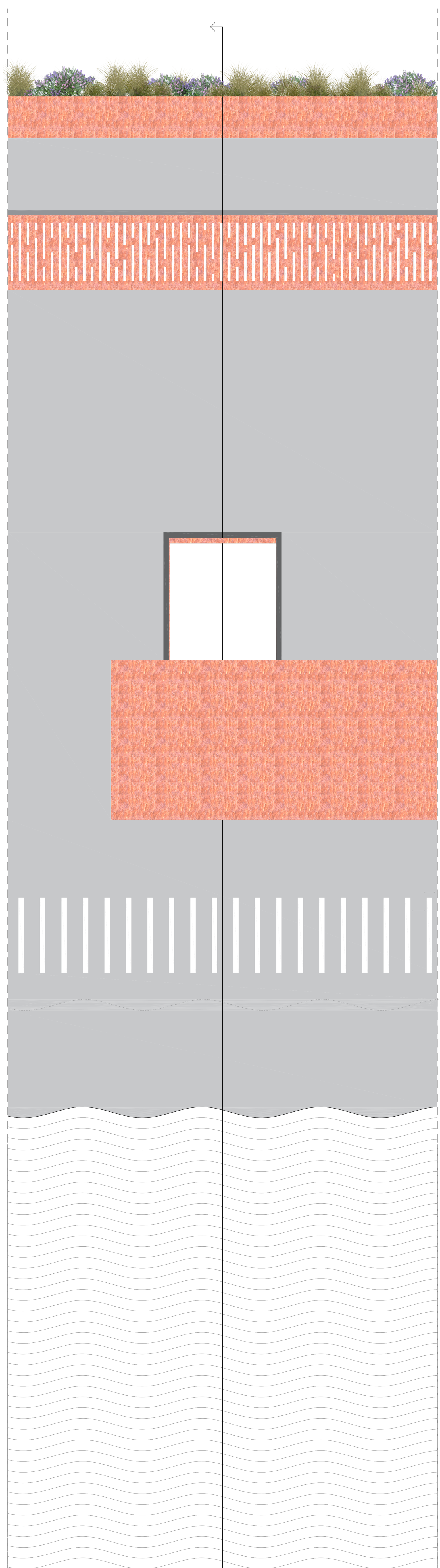
F



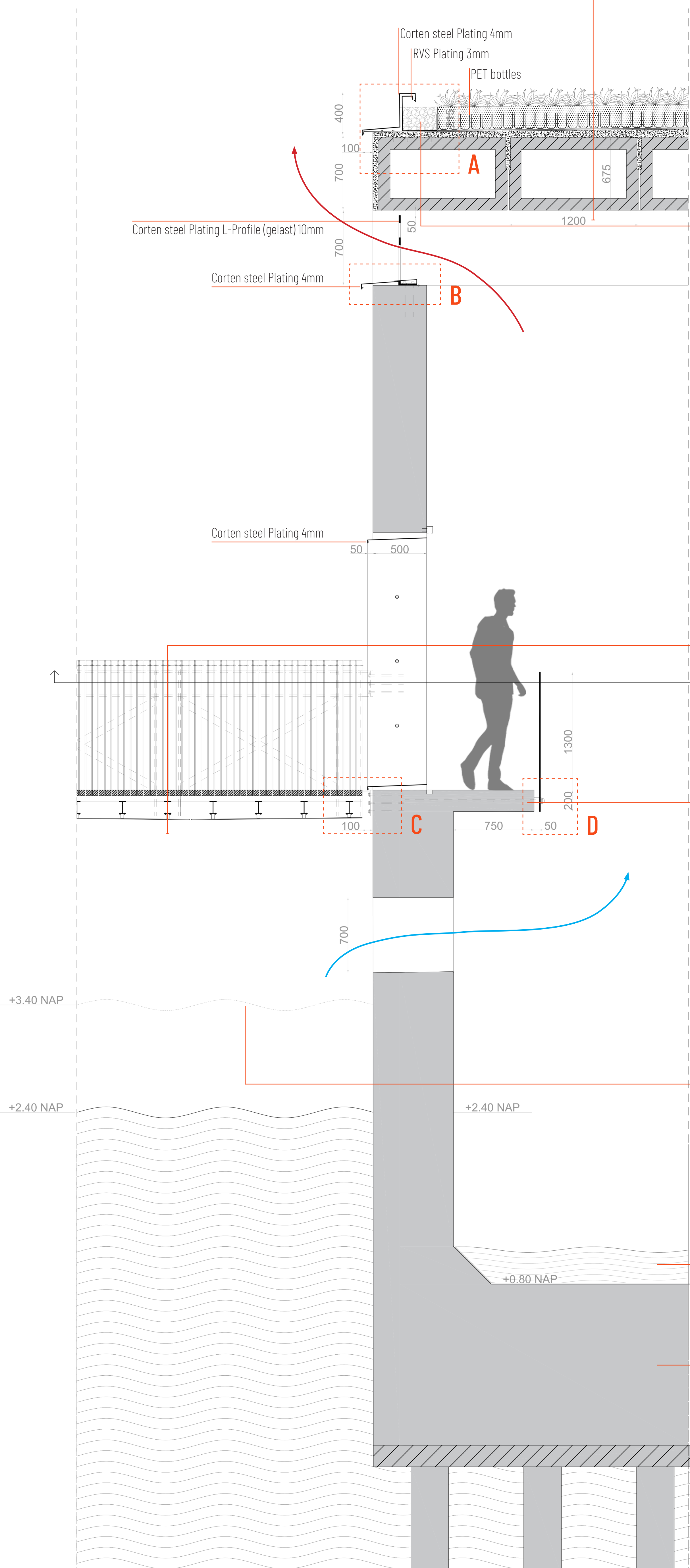
Section A - 1:100



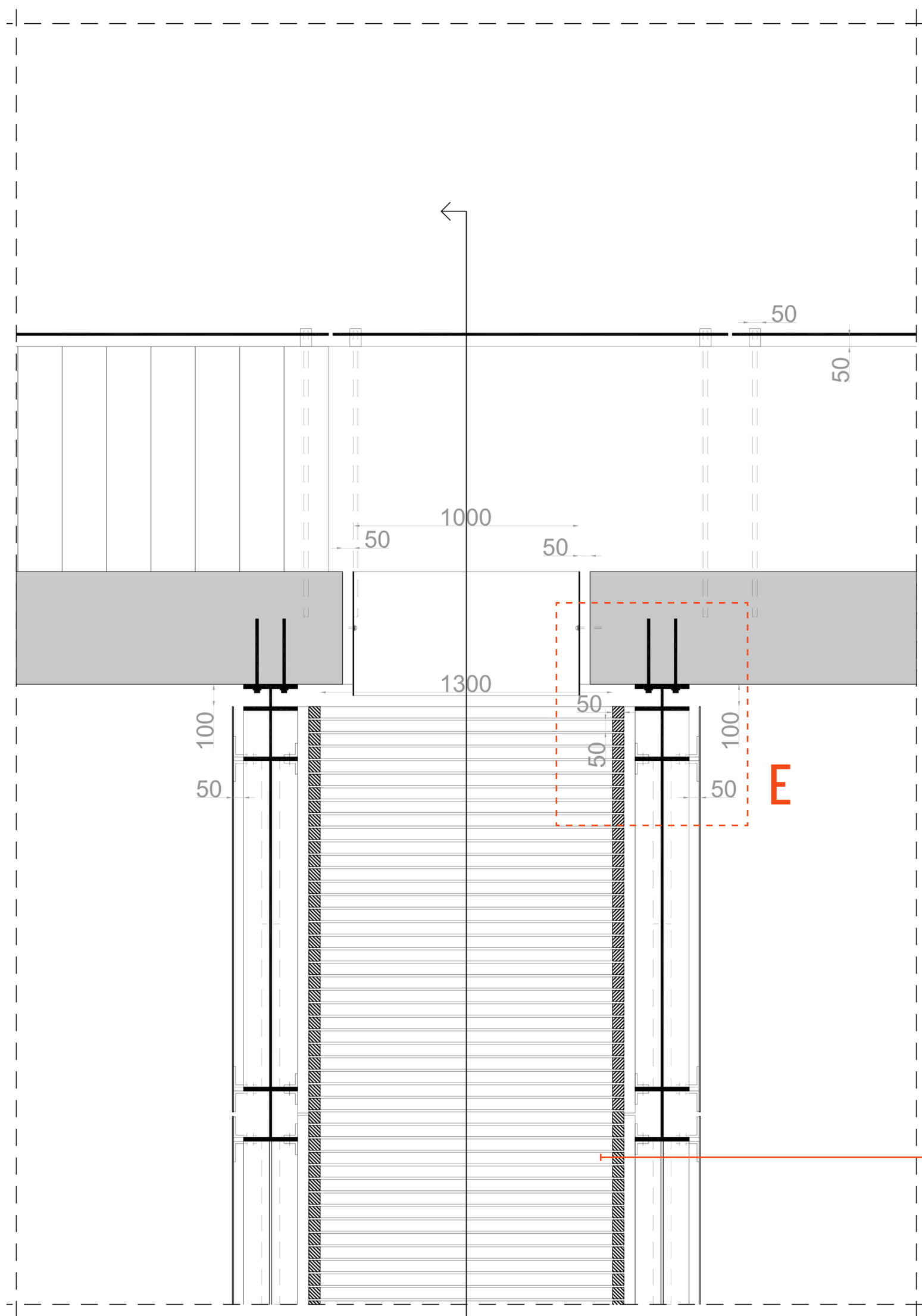
Reflections of the Bossche Stadsdelta
Detailing Bascule Basement



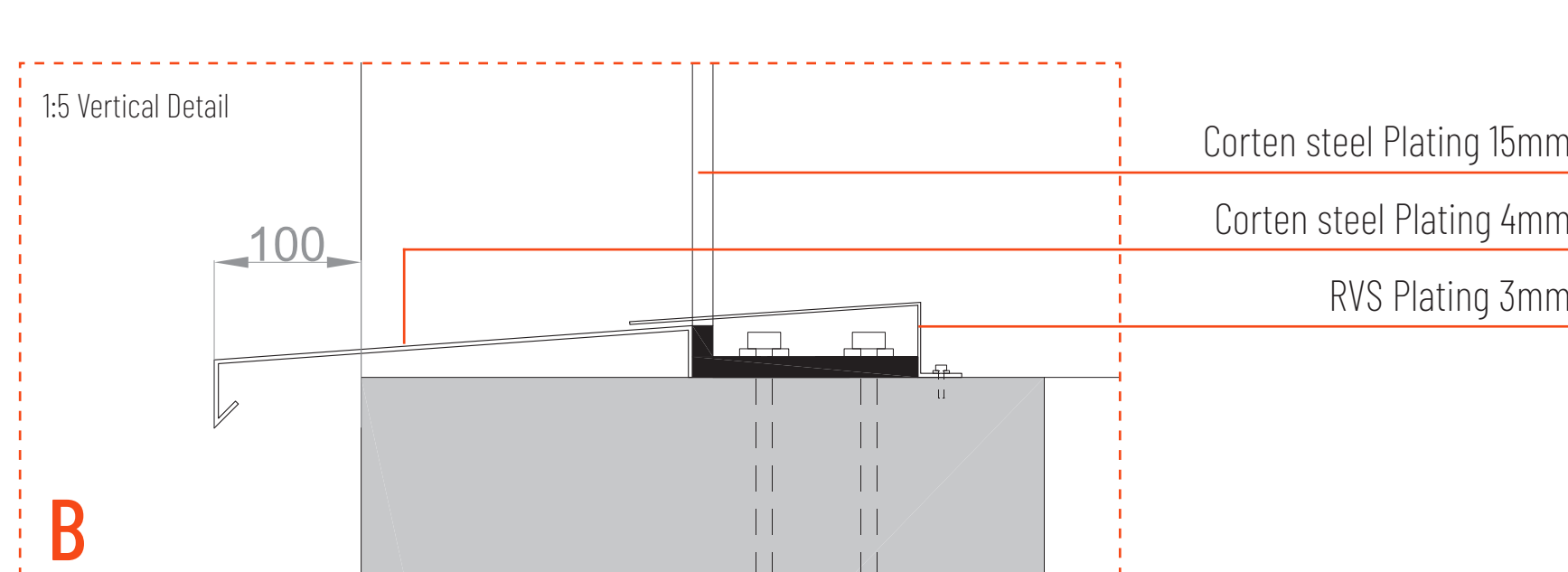
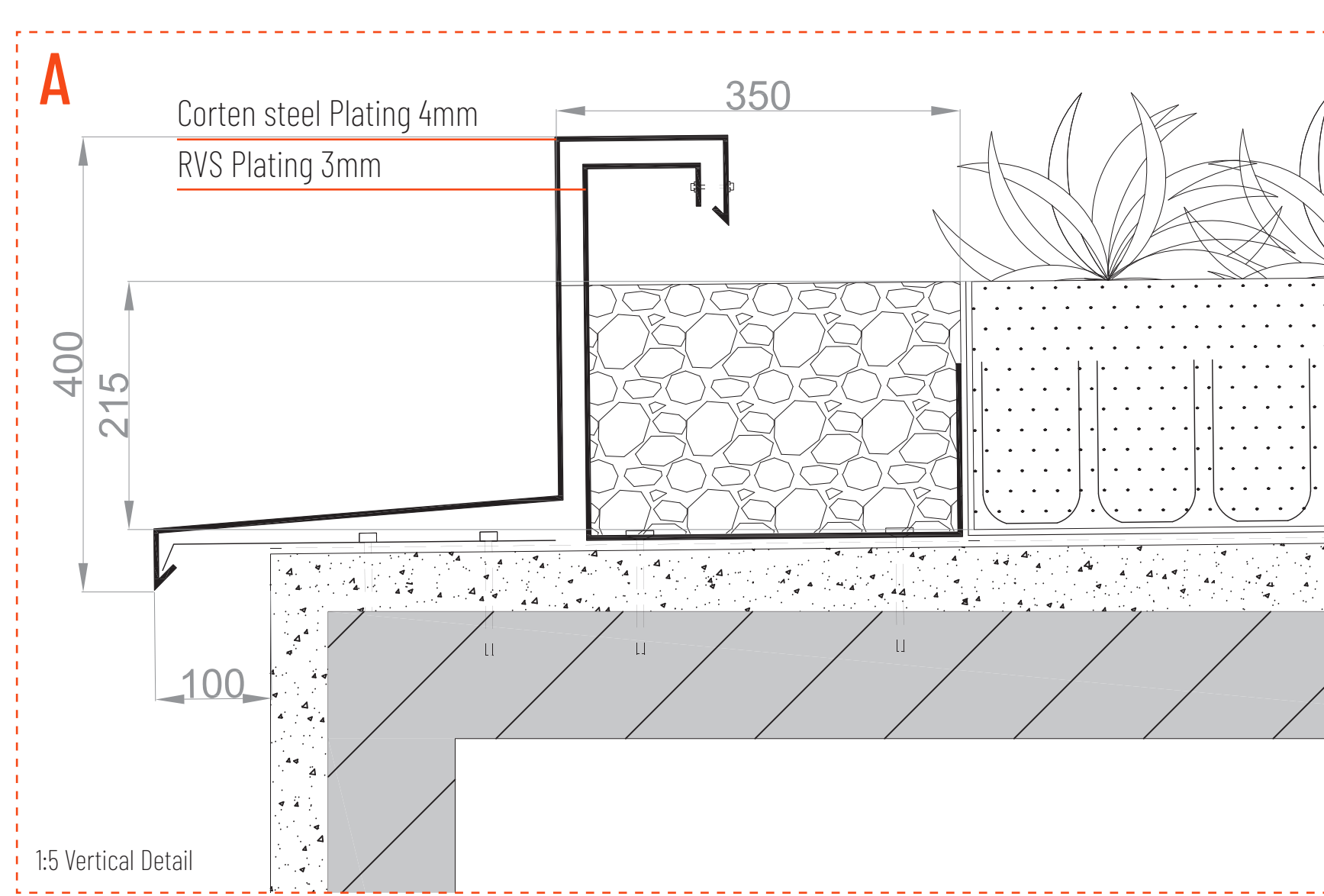
1:20 Elevation (East)



1:20 Vertical Section



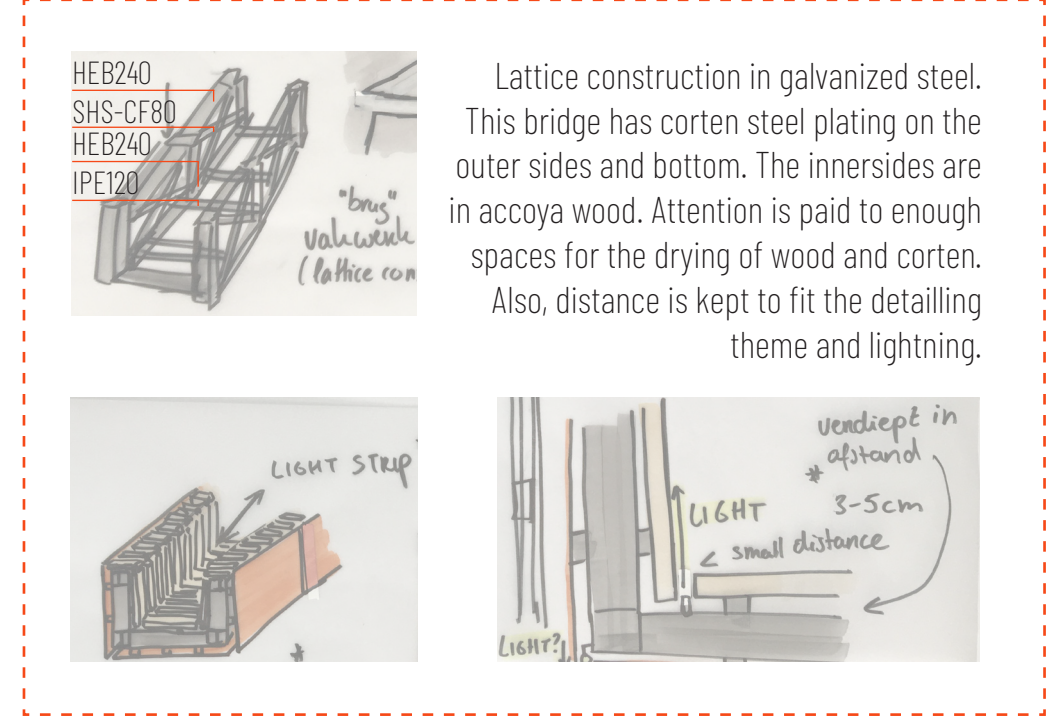
1:20 Horizontal Section



- Corten Steel Sheet (4mm)
- L profile (100mm x 100mm x 10mm)
- HEB240 (240mm x 240 mm)
- L profile (60mm x 60mm x 10mm)
- Accoya Wood Untreated (50mm x 50mm) (framework)
- Accoya Wood Untreated (50mm x 50mm) (finish)

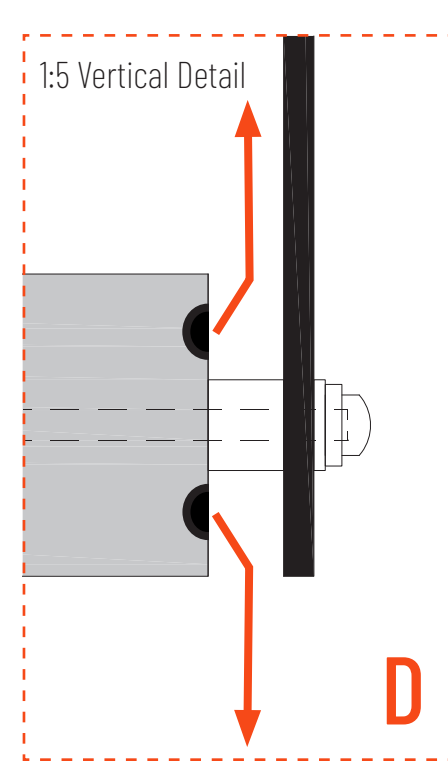
- Vegetation (flower)grasses (100mm - 300mm)
- Substrate (200mm incl. PET height)
- Used PET bottles (140mm x 85mm)
- (other option is HDPE trays from recycled plastic.)
- Root Barrier (1mm)
- Waterproof membrane (1mm)
- Concrete screed (50 - 85 mm) (2% slope for water drainage)
- SKK-tiggers gewapen beton (650mm x 1200mm)

The roof has a slope of 2%. Therefore, it acts as a gutter. The water exists through an architecturally integrated overflow (left).



- Accoya Wood (50mm x 50mm)
- HEB240 (240mm x 240 mm)
- SHS-CF (80mm x 80mm x 5 mm)
- HEB240 (240mm x 240 mm)
- IPE 120 (120mm x 64 mm)
- Omega (55mm x 47mm x 30mm x 2mm)
- Corten Steel Sheet (4mm)

- Draaieind in beton
- Afstandhouder 50mm (rubber)
- Corten Steel Plating
- Afstandhouder 15mm (rubber)
- Gebout (RVS)



Distance between existing concrete and new Corten steel is part of the architectural language. The distances in detailing induce shadow lines, which create more depth. At night, or in dark spaces, LED lights (which are milled into the concrete) create highlights.

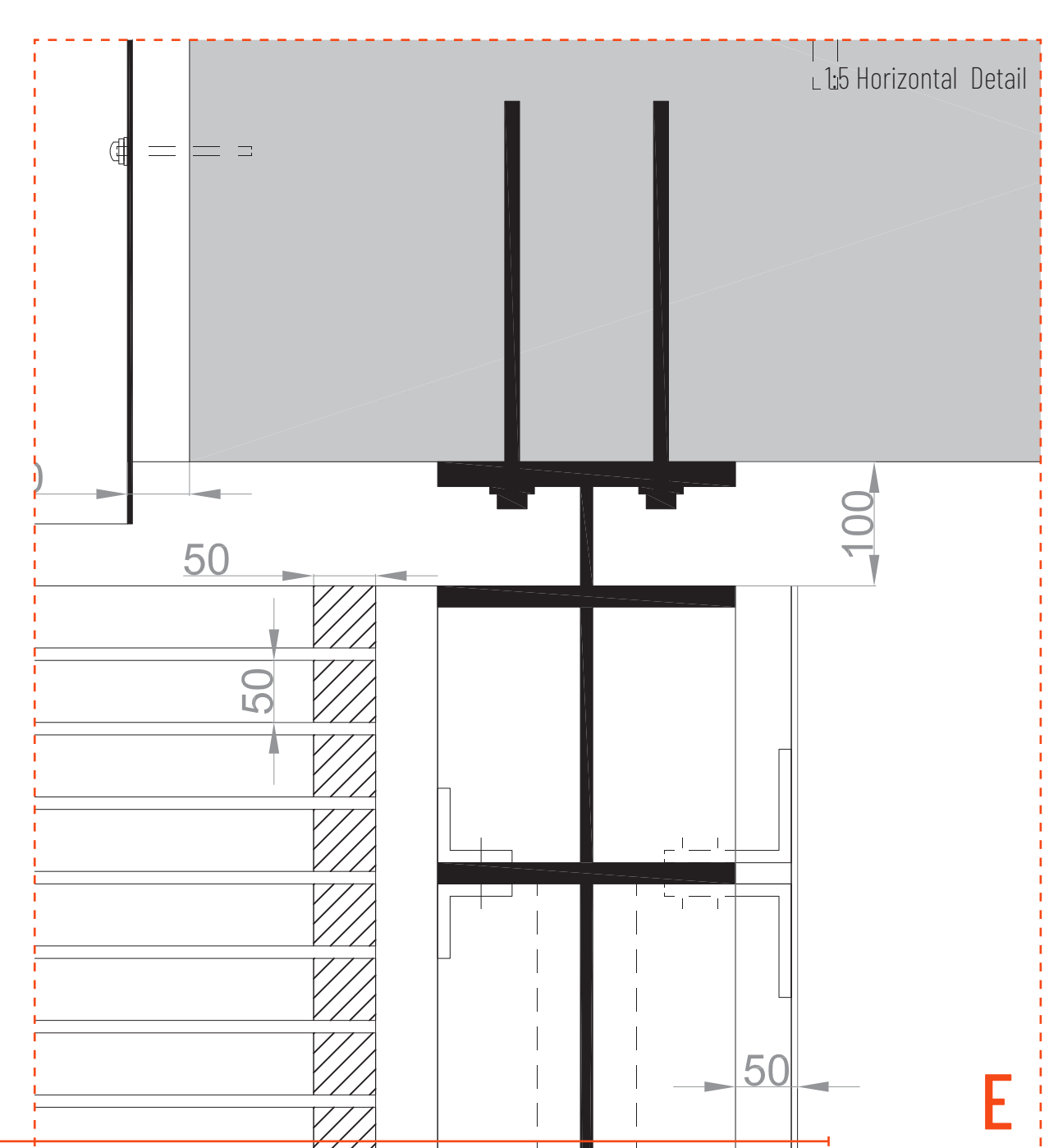
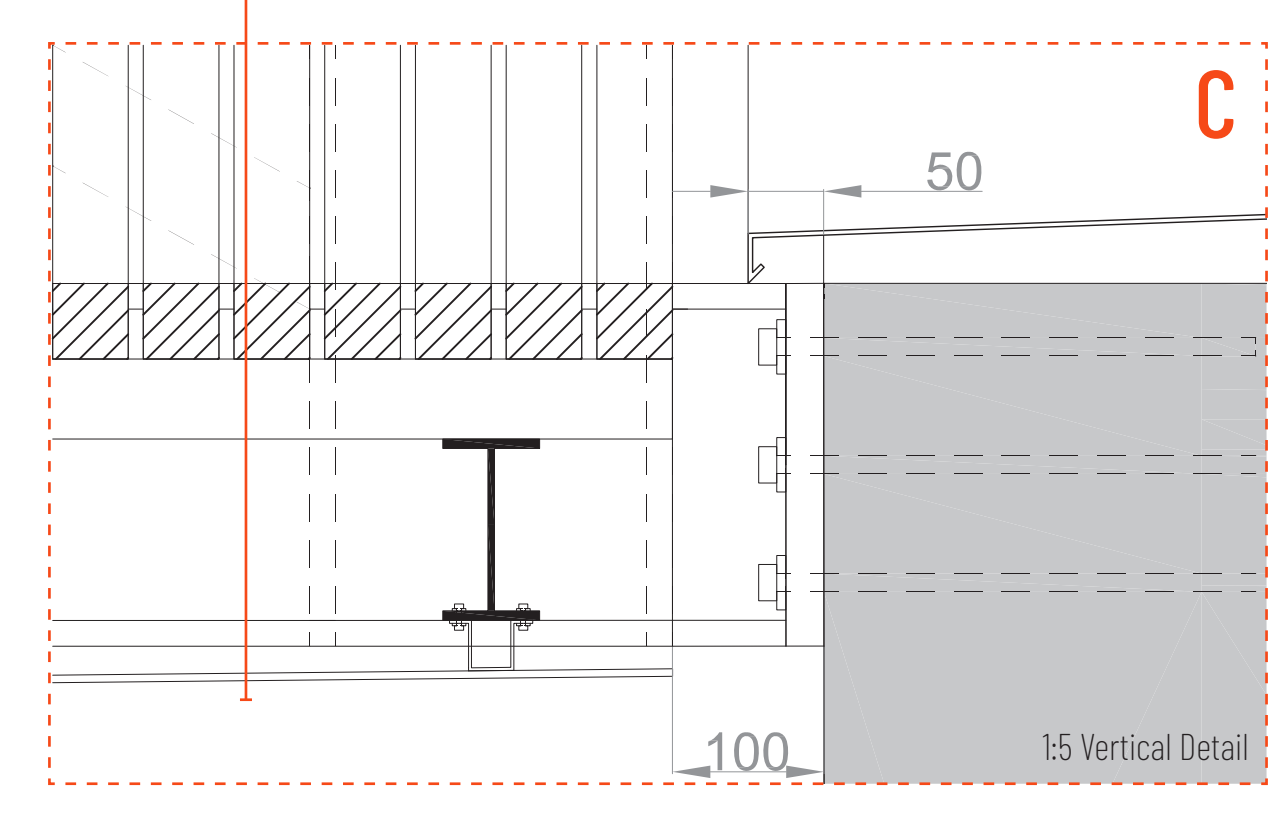
The ventilation holes in the concrete are set just above the max. water level. The holes are drilled between the steel rods in the reinforced concrete. In this way they will be more protected for corrosion. Also it fits with the architectural language.

Waterlevel max. is 350mm. Water is refreshed every week to prevent dirty water and insects. There is already an existing water pump but it needs to be replaced.

Existing steel reinforced concrete.

- Accoya Wood (50mm x 50mm)
- HEB240 (240mm x 240 mm)
- IPE 120 (120mm x 64 mm)
- Omega (55mm x 47mm x 30mm x 2mm)
- Corten Steel Sheet (4mm)

Distance is kept between cladding and existing concrete. Following the architectural language. Distances also contributes to water management, which is important for drying of Corten steel and wood.

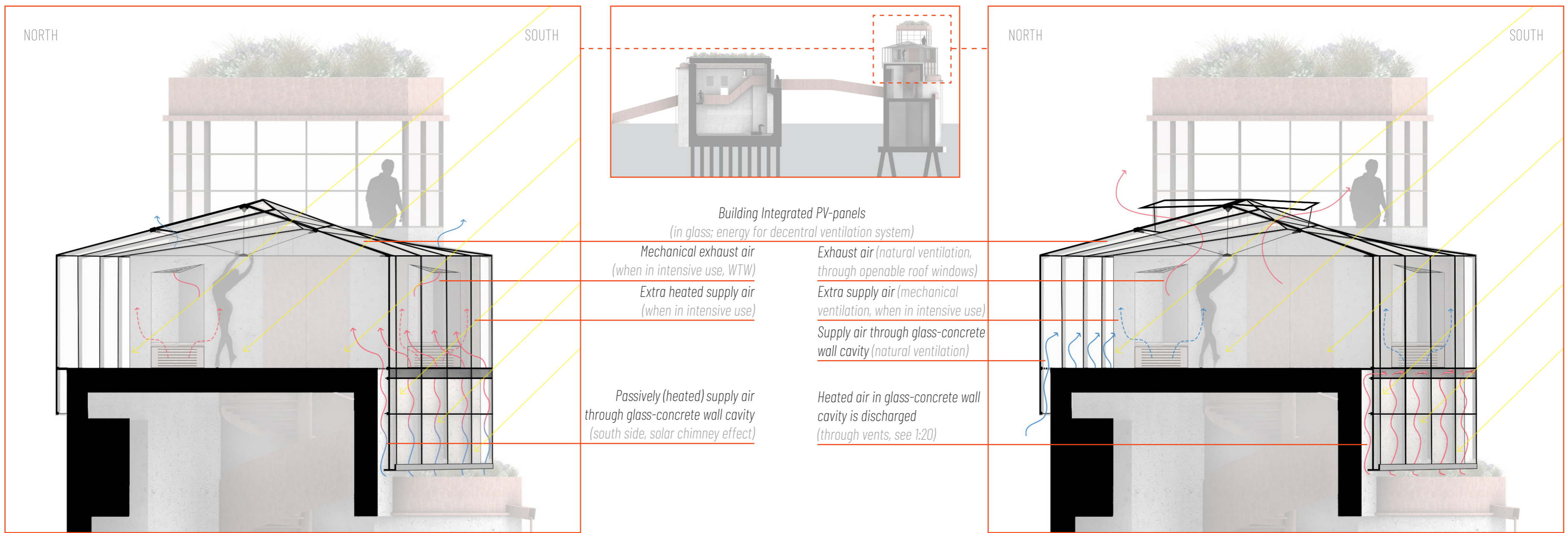


Climate Design Glass House

WINTER CLIMATE

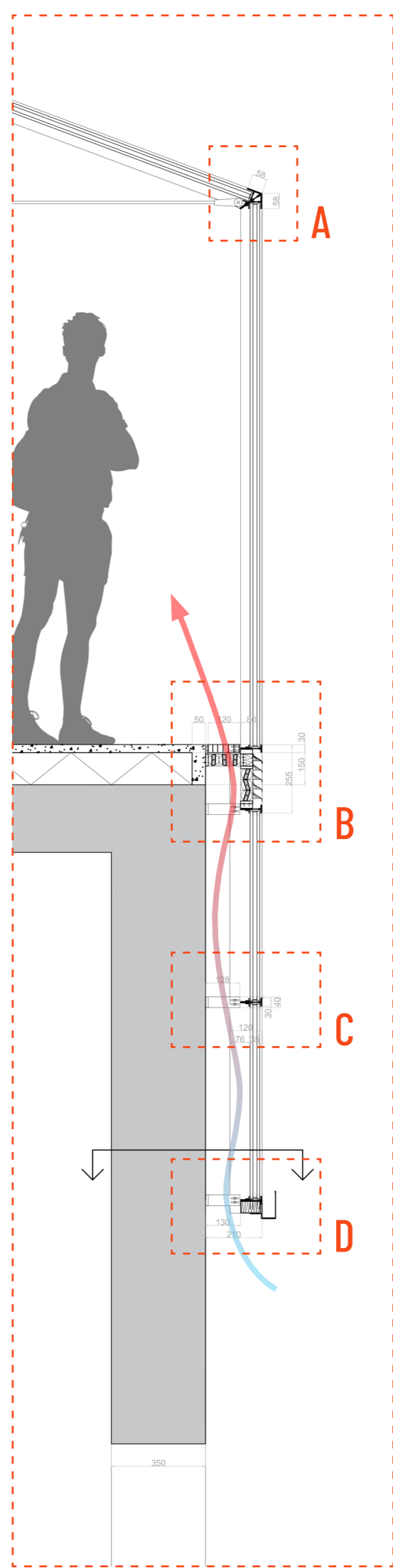
CLIMATE SUMMER

The space is normally used as a look-out. But, occasionally and for short periods only, it is more intensively used. Therefore, the normal natural ventilation system can be intensified with an electrical decentral ventilation system. Extra demand is registered by CO2 and heat sensor.

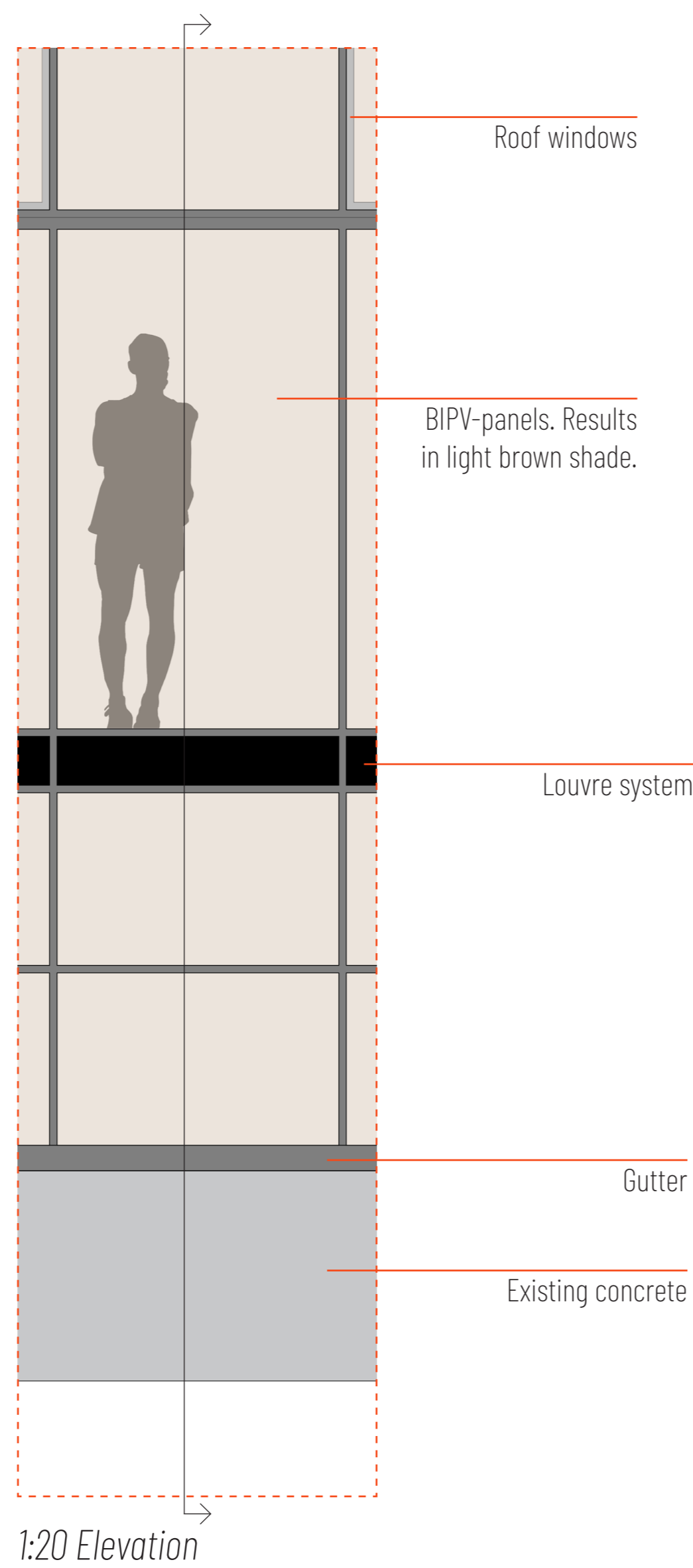


1:20 Glass House Details

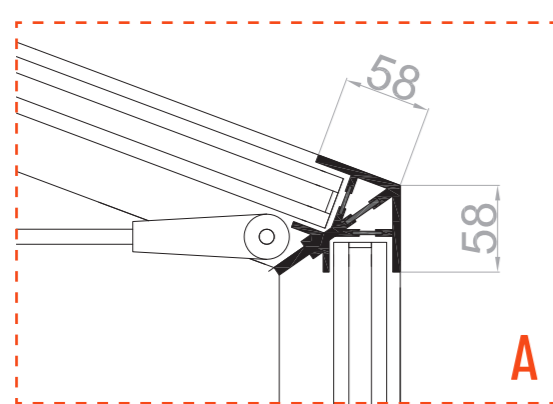
Glass-concrete cavity gains solar heat which causes a draft of fresh that gets heated by the gained solar heat (Winter). In summer the vents on the south are closed and on the north are open. This allows for fresh air draft from the north and exits through the opened roof windows.



1:20 Vertical Detail

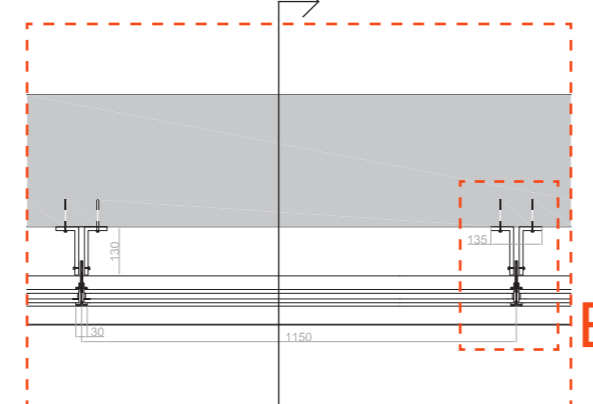


1:20 Elevation



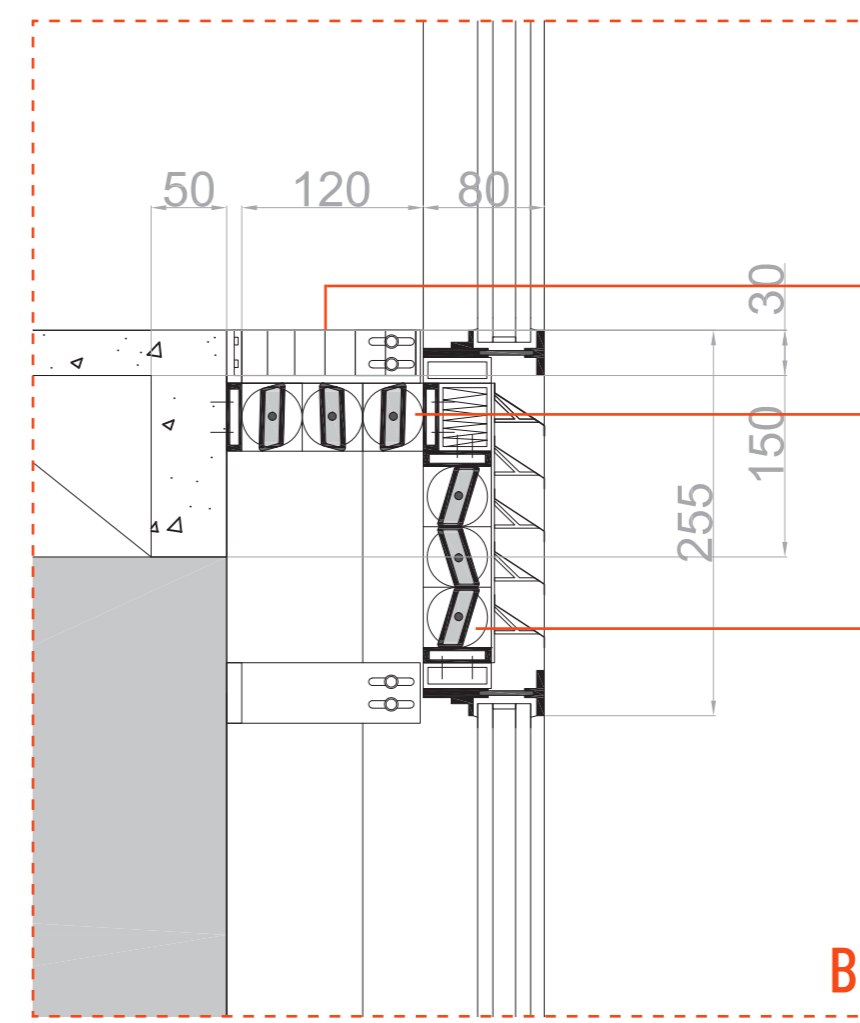
1:5 Vertical Detail

Slim corner glass to glass, with connection of tension bar to steel load-bearing window frame.

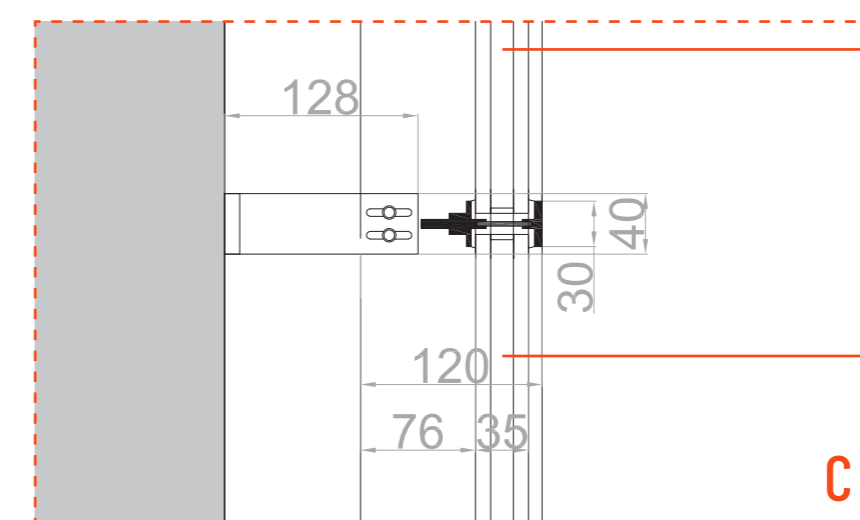


1:20 Horizontal Detail

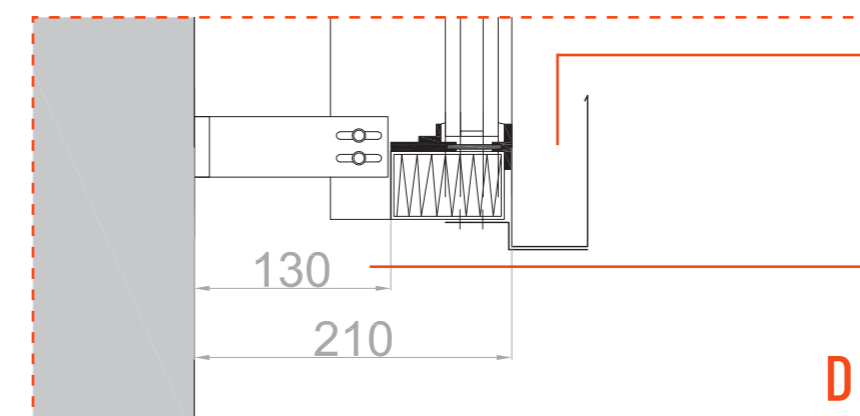
Structure centre-to-centre spacing is 1150mm, so that the frames can be kept slim.



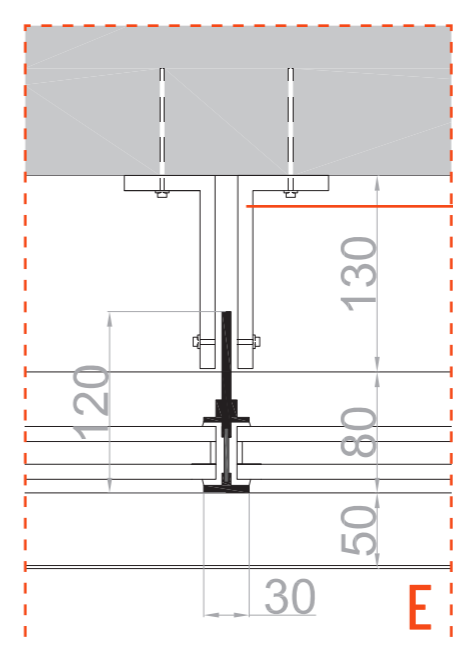
1:5 Vertical Detail



1:5 Vertical Detail



1:5 Vertical Detail



1:5 Horizontal Detail



