

**DELIVERABLES**

Drawings P5, 04/2021

Eveline van de Bovekamp

## **IN THIS DOCUMENT:**

Siteplan 1:2000

Siteplan 1:1000

Siteplan + roof 1:1000

Siteplan + groundfloor 1:1000

Siteplan + groundfloor 1:500

Floorplans 1:200

Facades 1:200

Sections 1:200

Facade fragments 1:20

Details 1:5

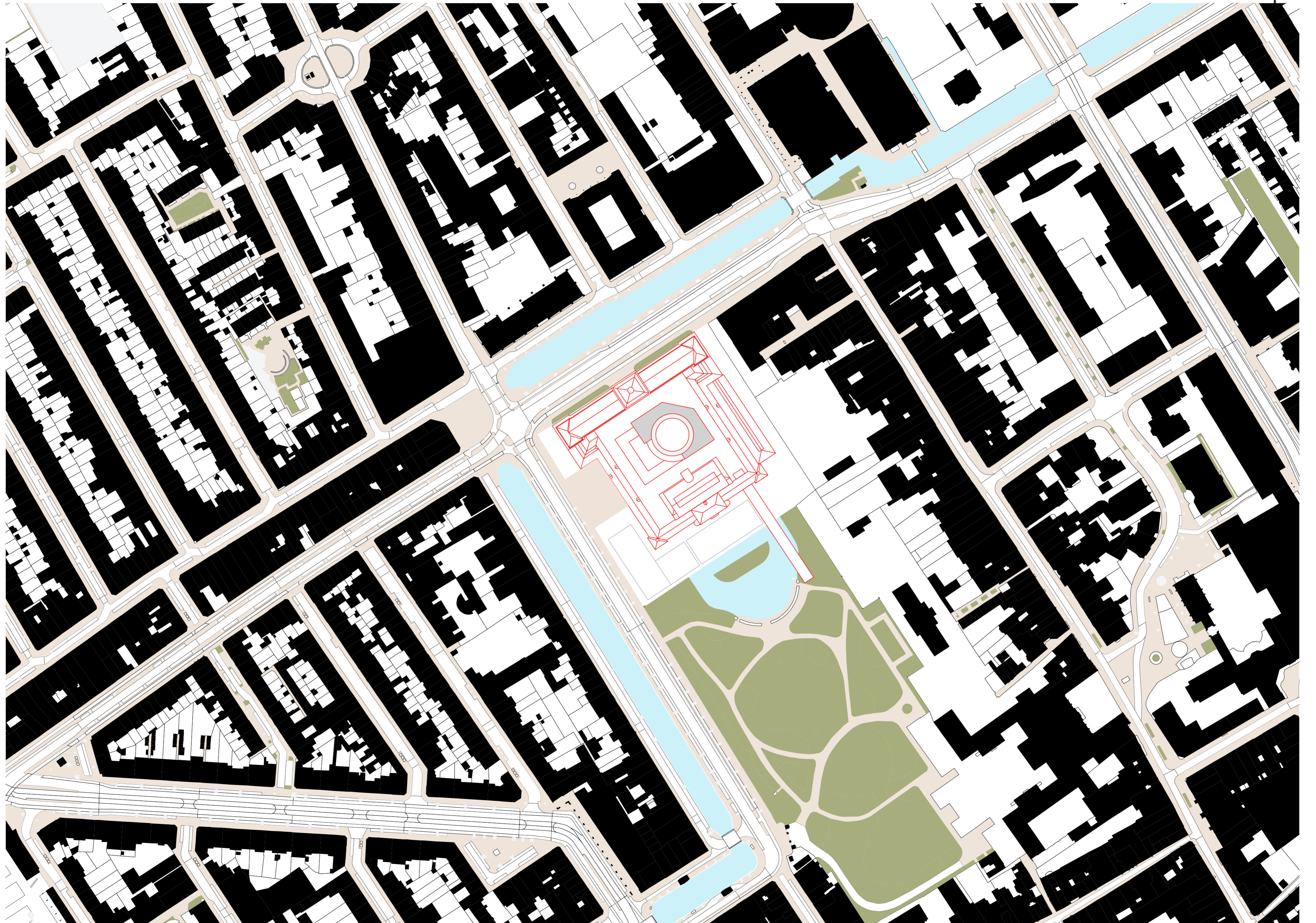
Climate plan

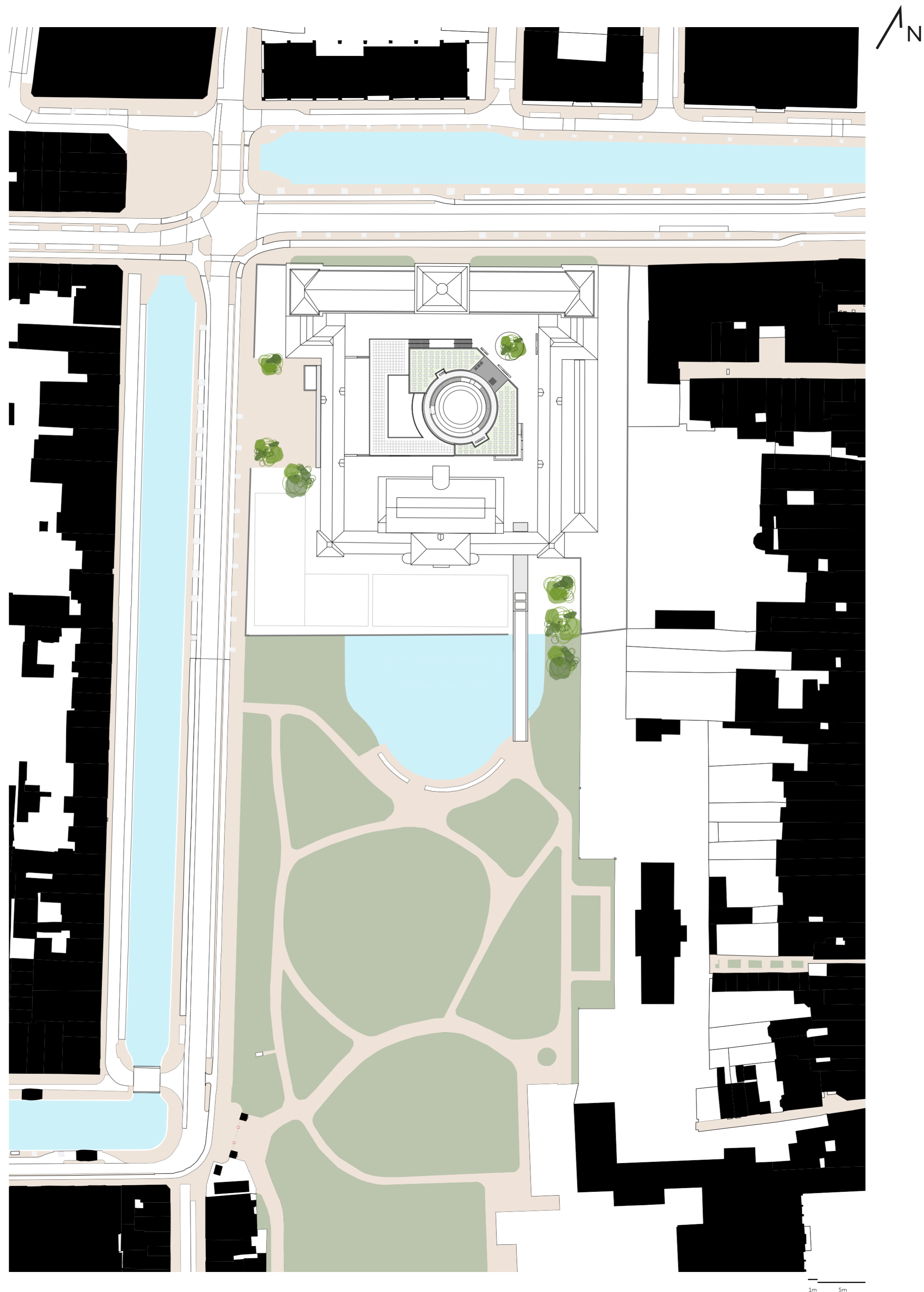
Structural plan

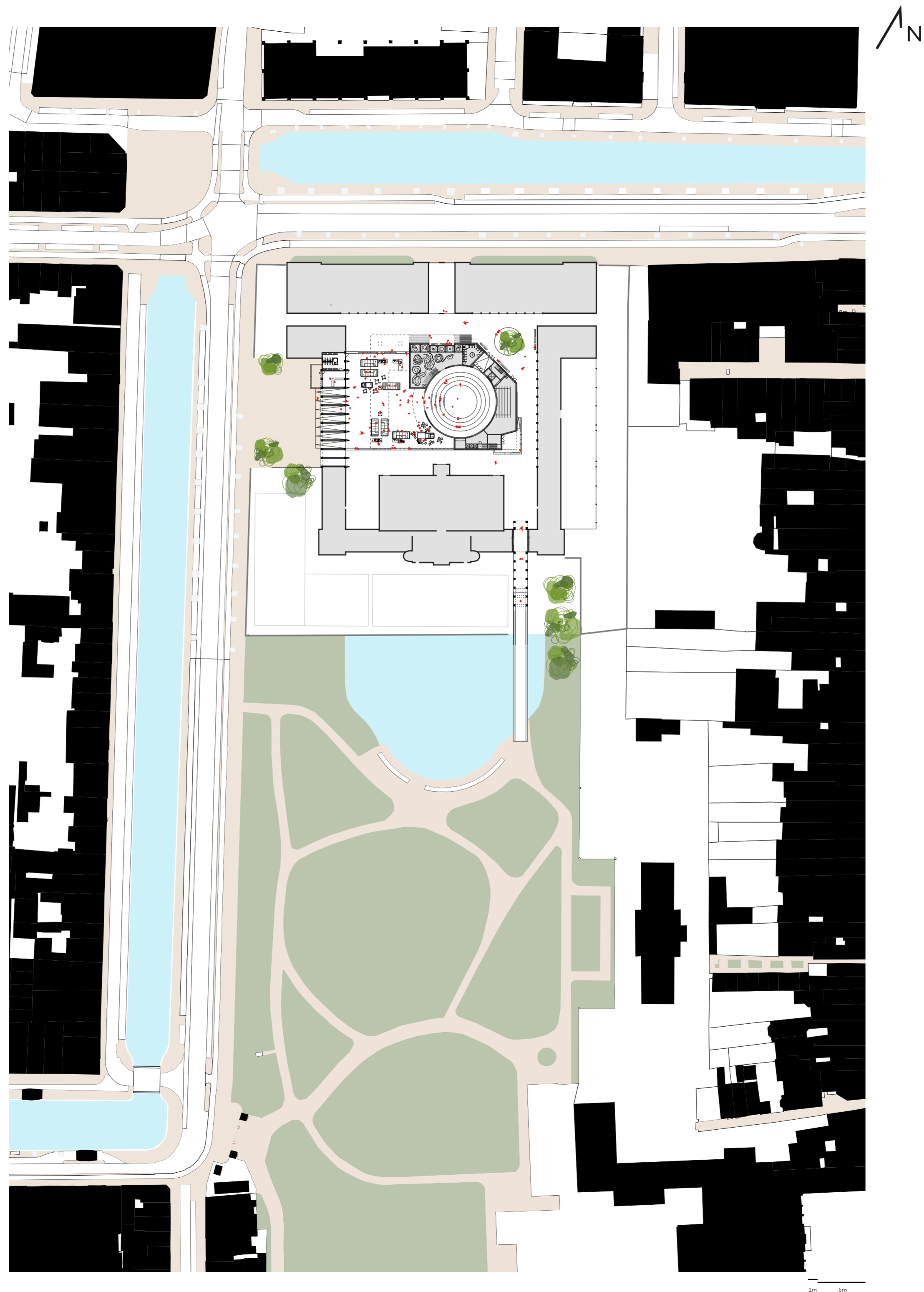
**SITE**

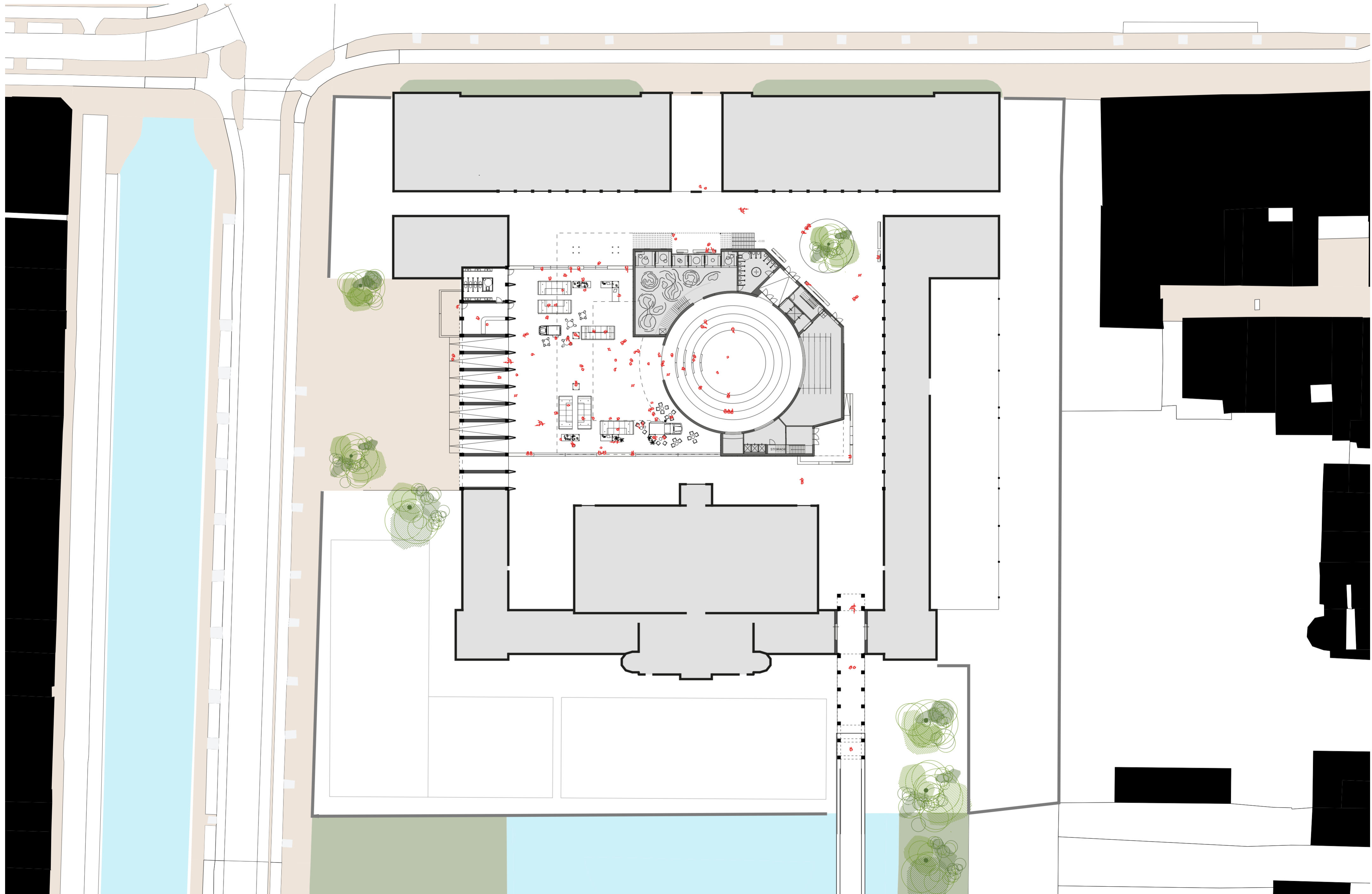


1:2000  
SITE: ROYAL HORSE STABLES



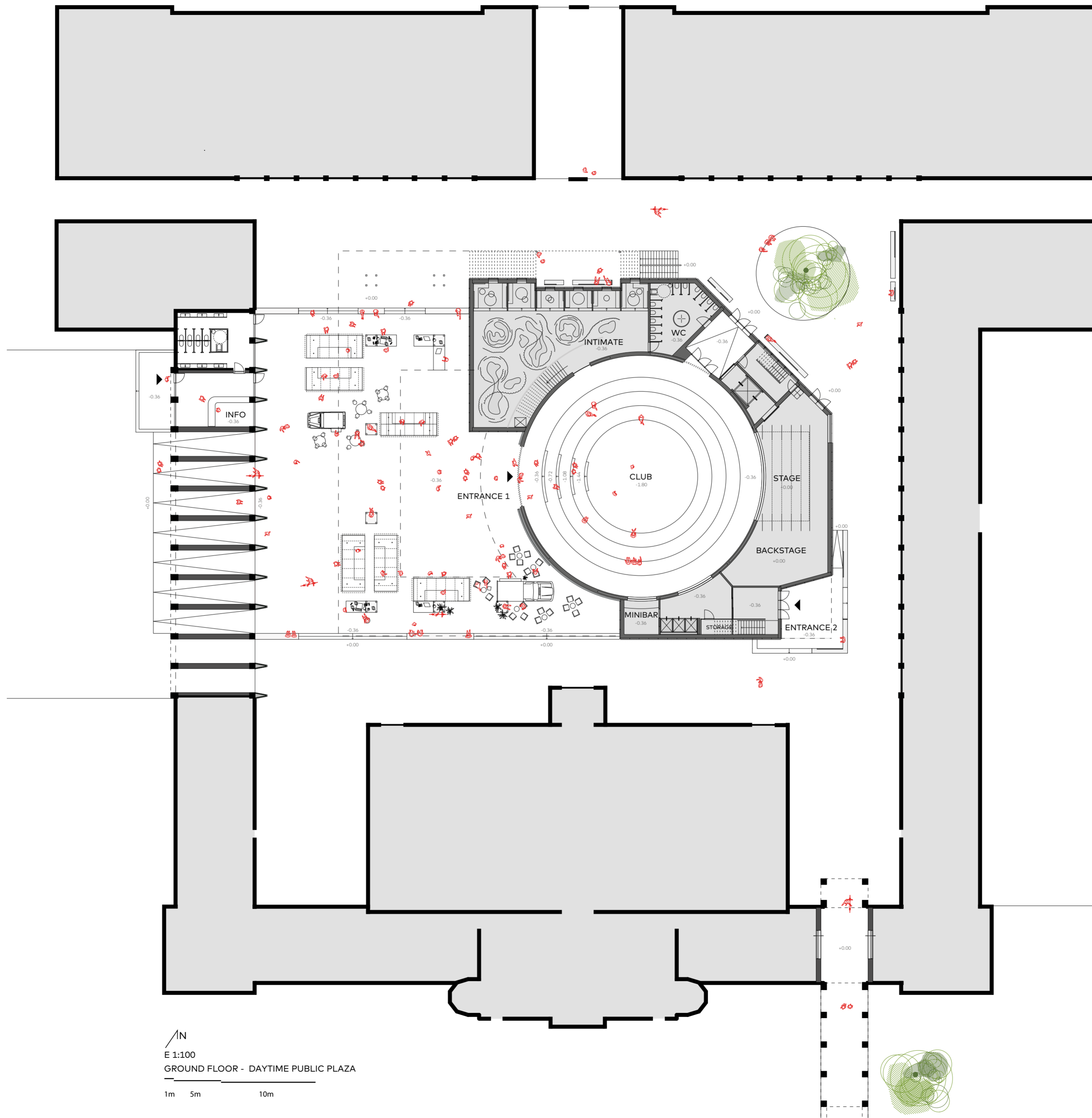




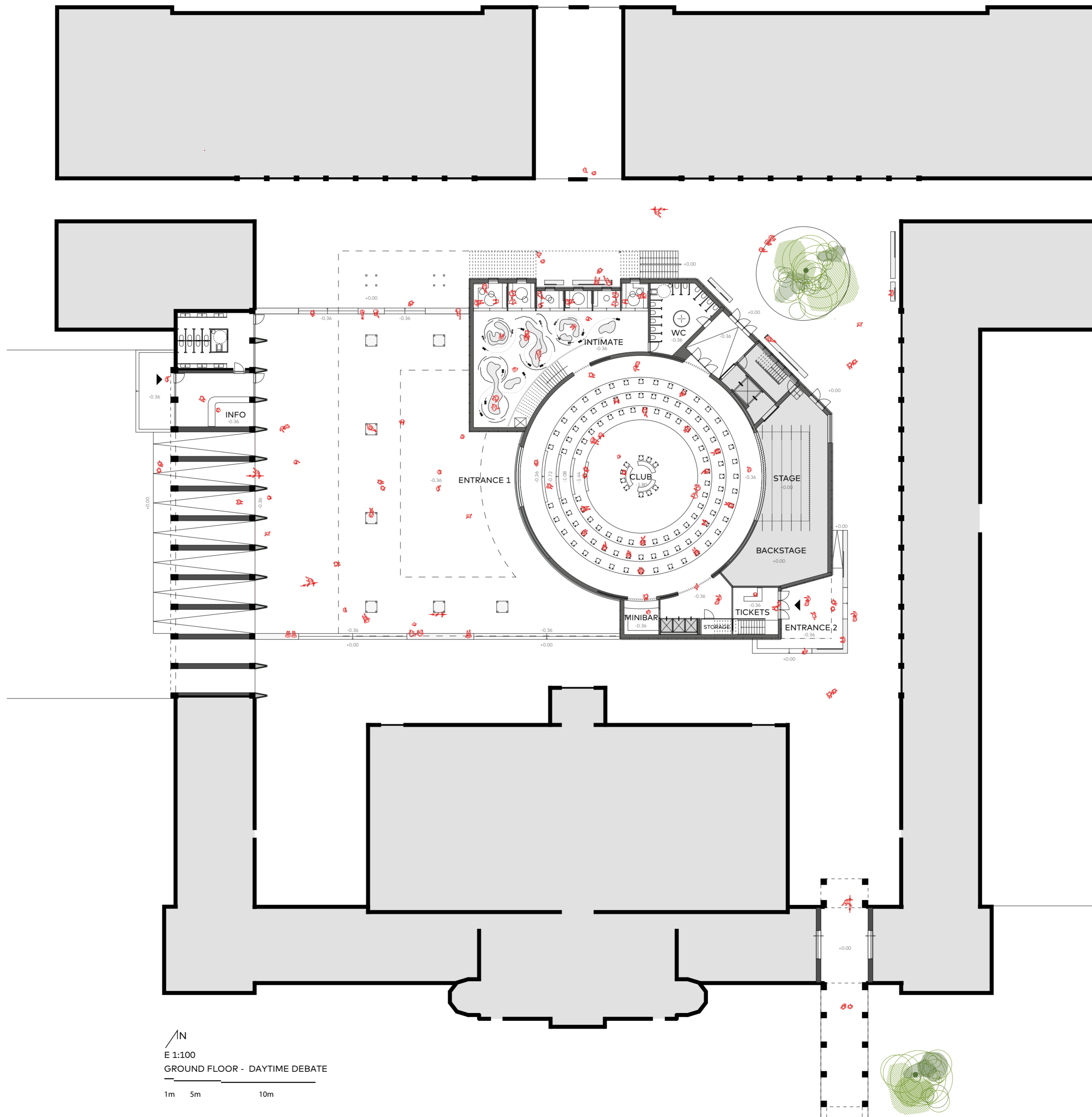




## **FLOORPLANS**

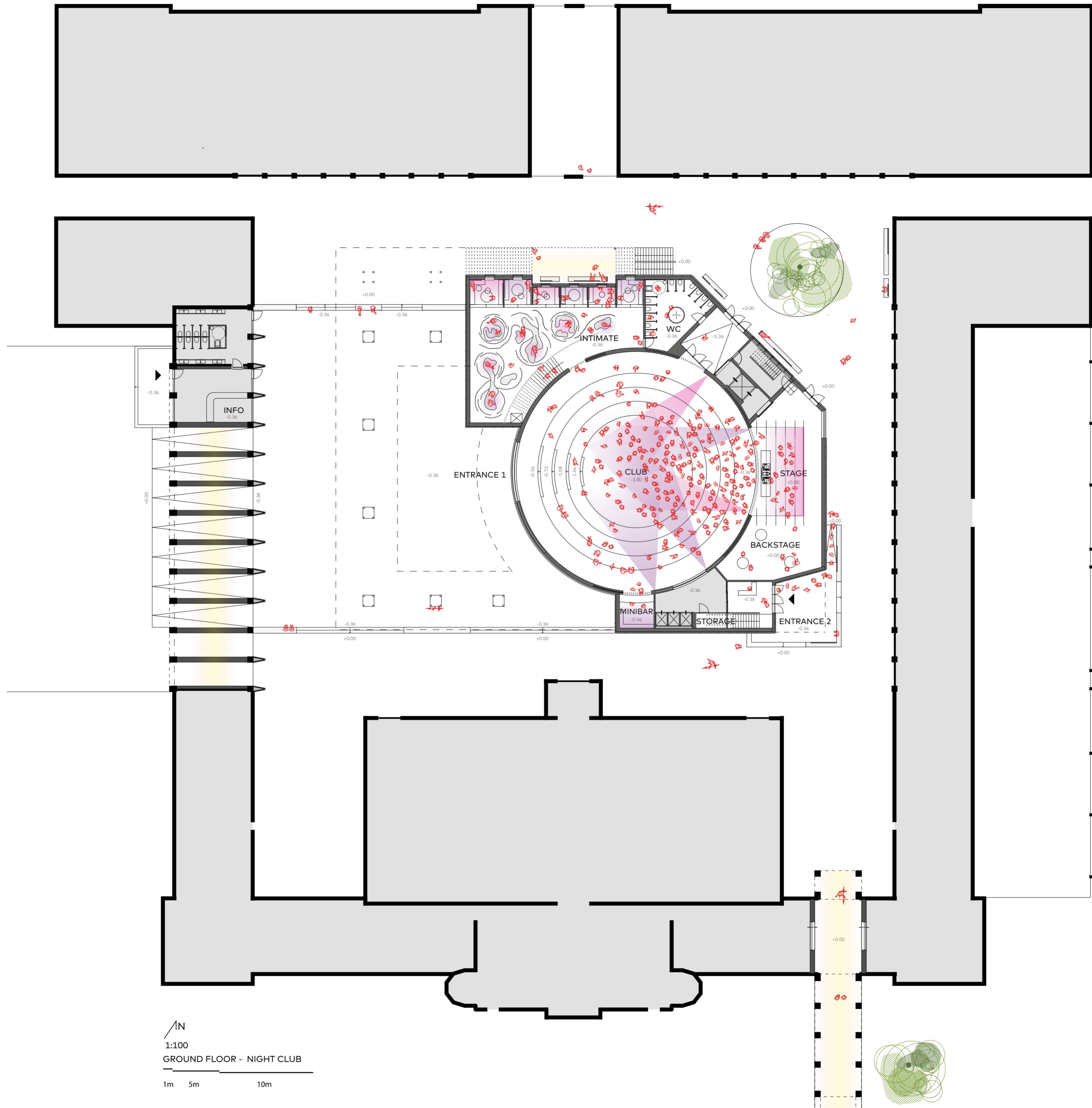


N  
E 1:100  
GROUND FLOOR - DAYTIME PUBLIC PLAZA  
1m 5m 10m

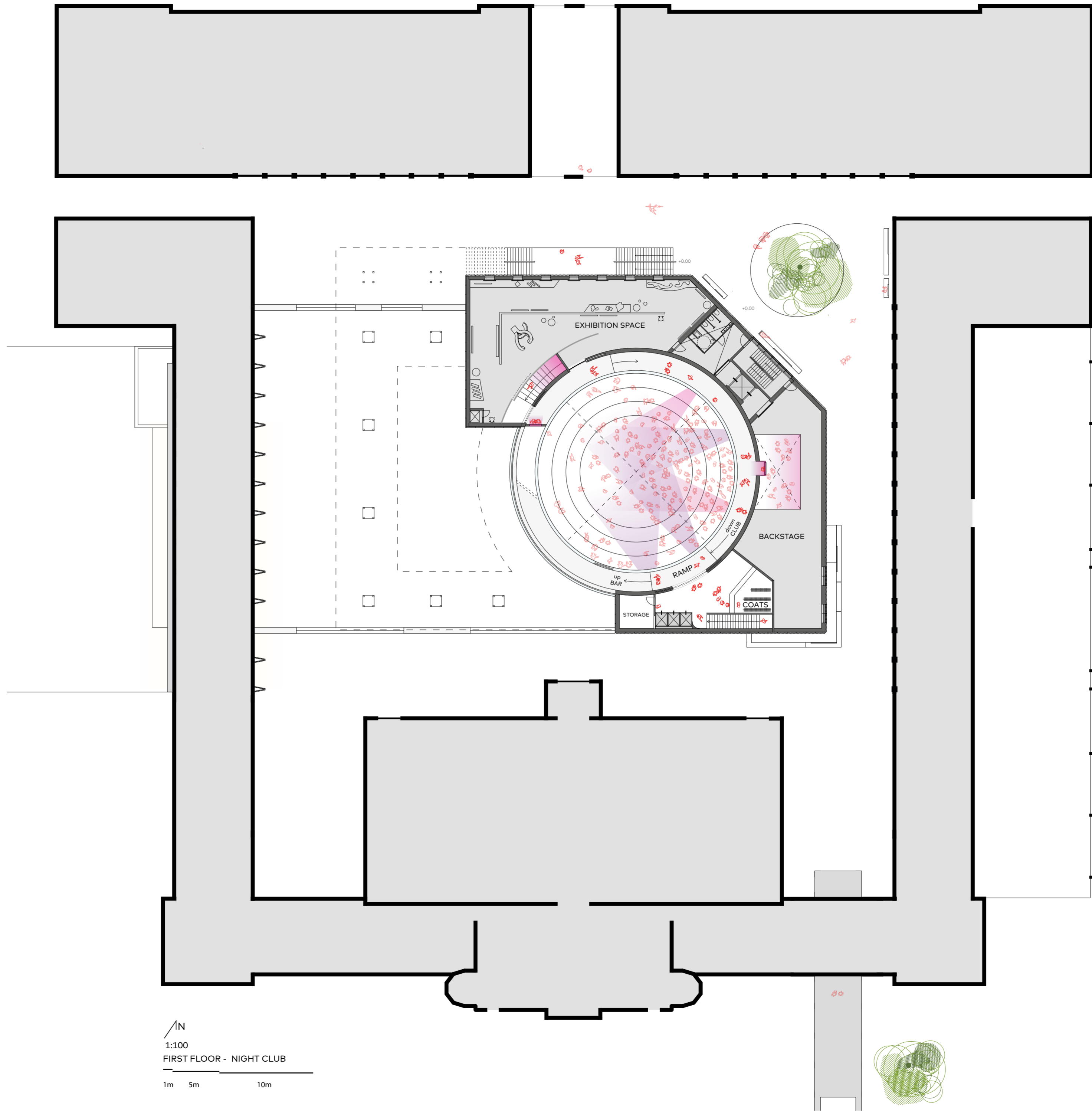


N  
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GROUND FLOOR - DAYTIME DEBATE  
1m 5m 10m

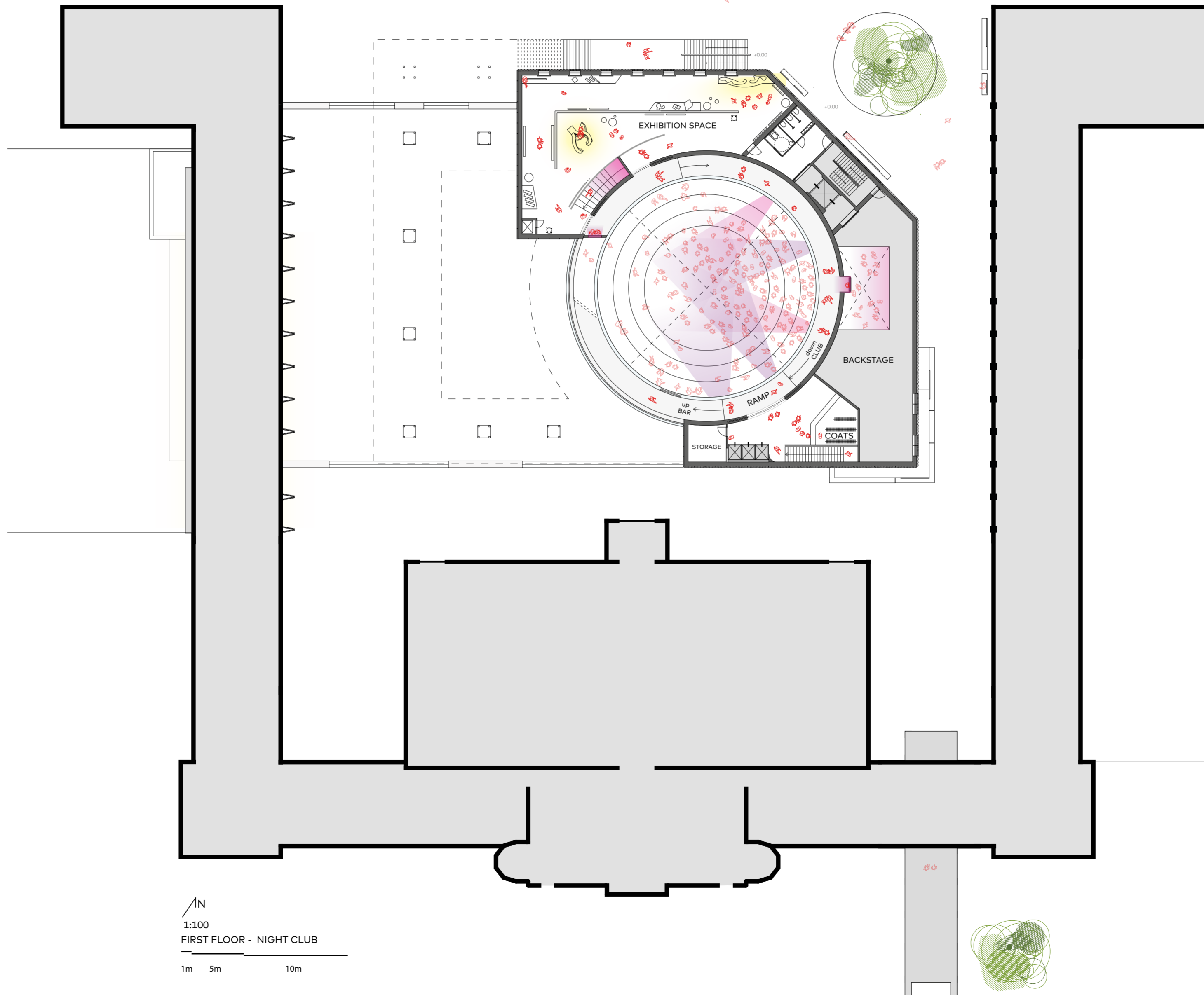
GROUND FLOOR - CLUB



N  
1:100  
GROUND FLOOR - NIGHT CLUB  
1m 5m 10m

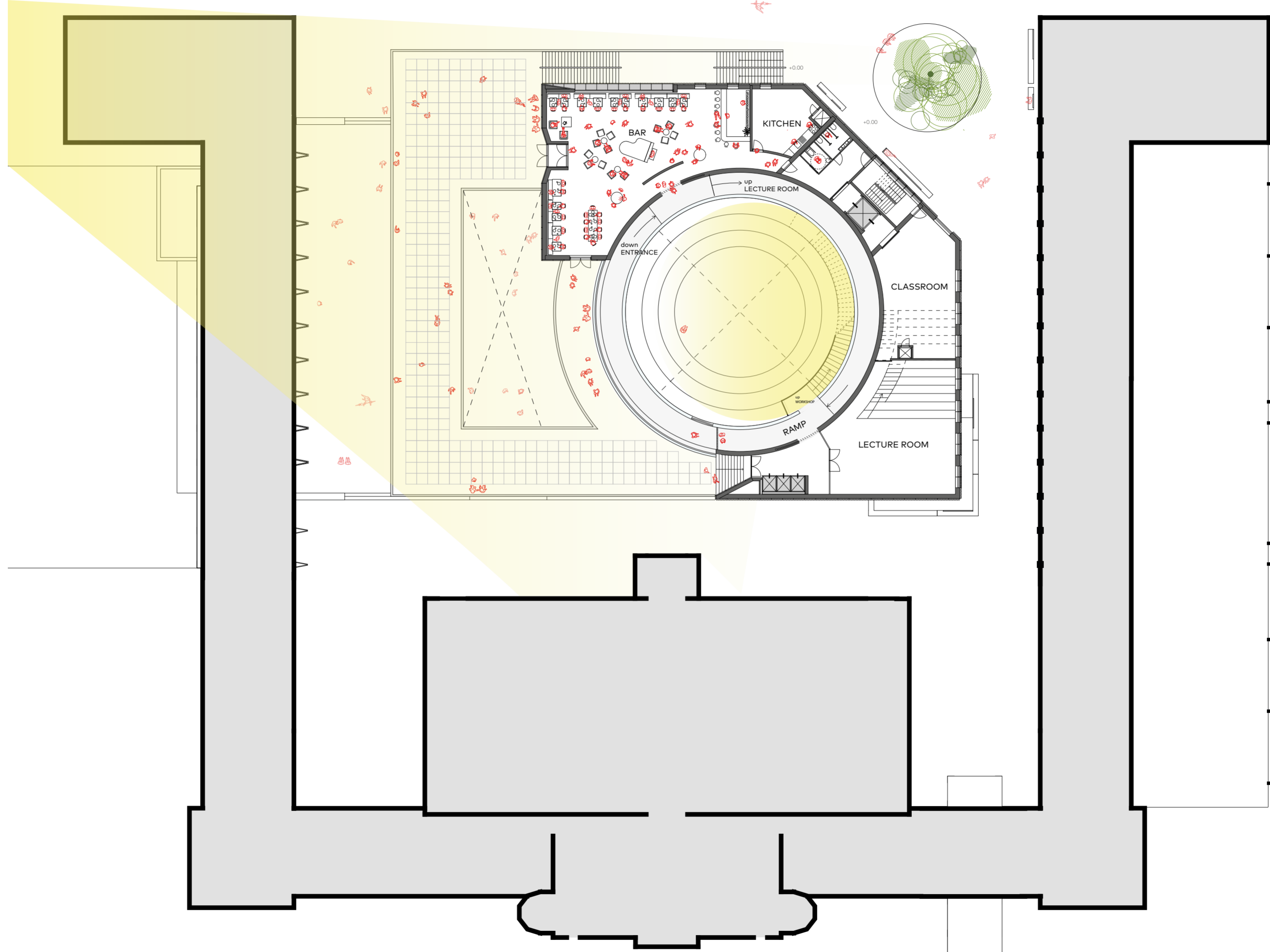


1/4 N  
1:100  
FIRST FLOOR - NIGHT CLUB  
1m 5m 10m

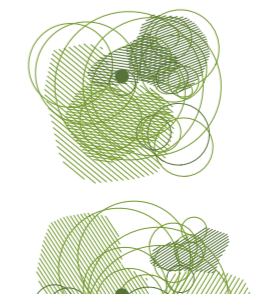


N  
1:100  
FIRST FLOOR - NIGHT CLUB  
1m 5m 10m

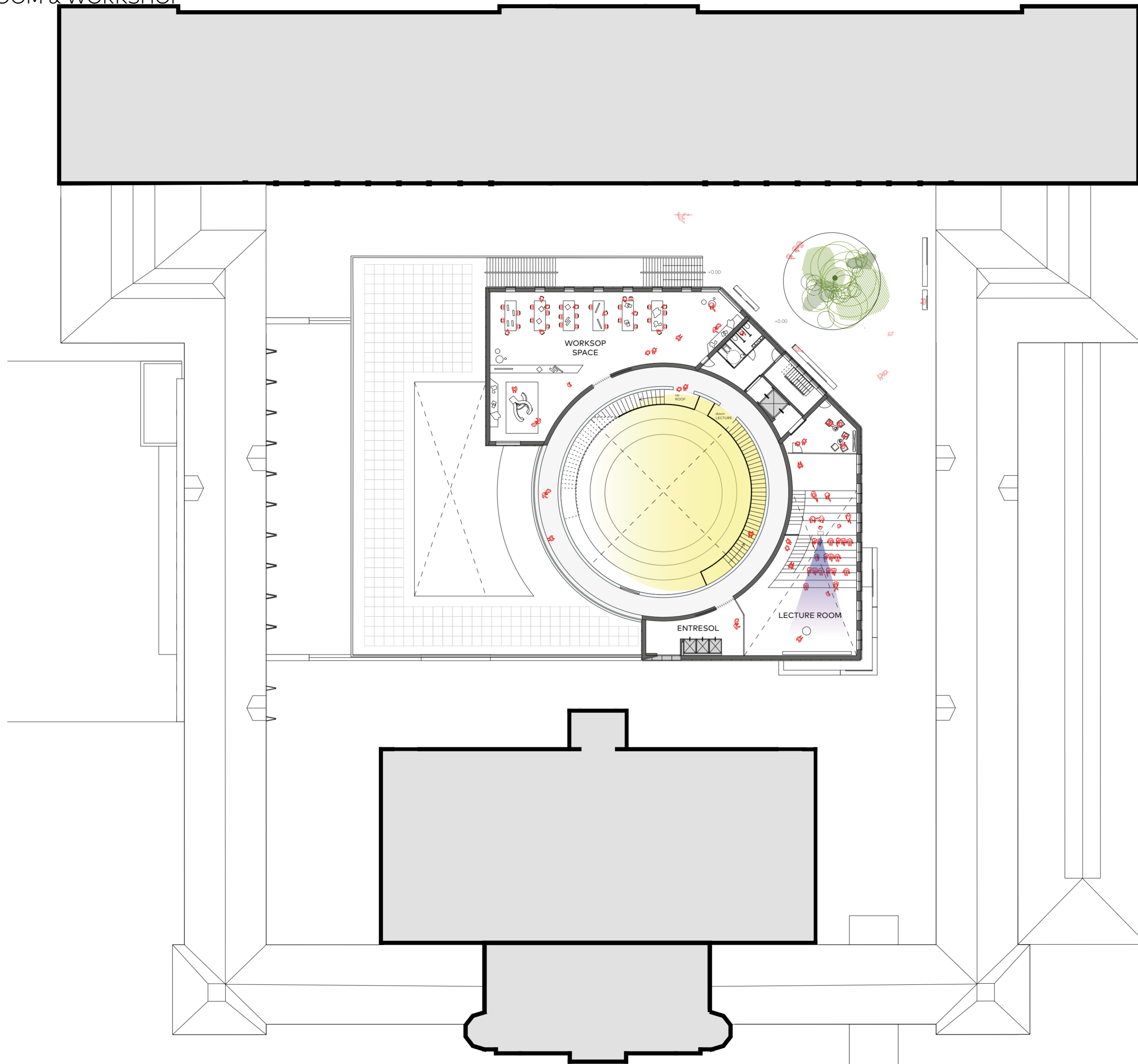
SECOND FLOOR - BAR & LECTURE ROOM



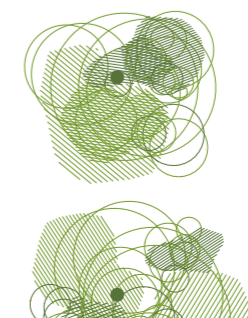
↑N  
E 1:100  
SECOND FLOOR - BAR AND TERRACE  
1m 5m 10m



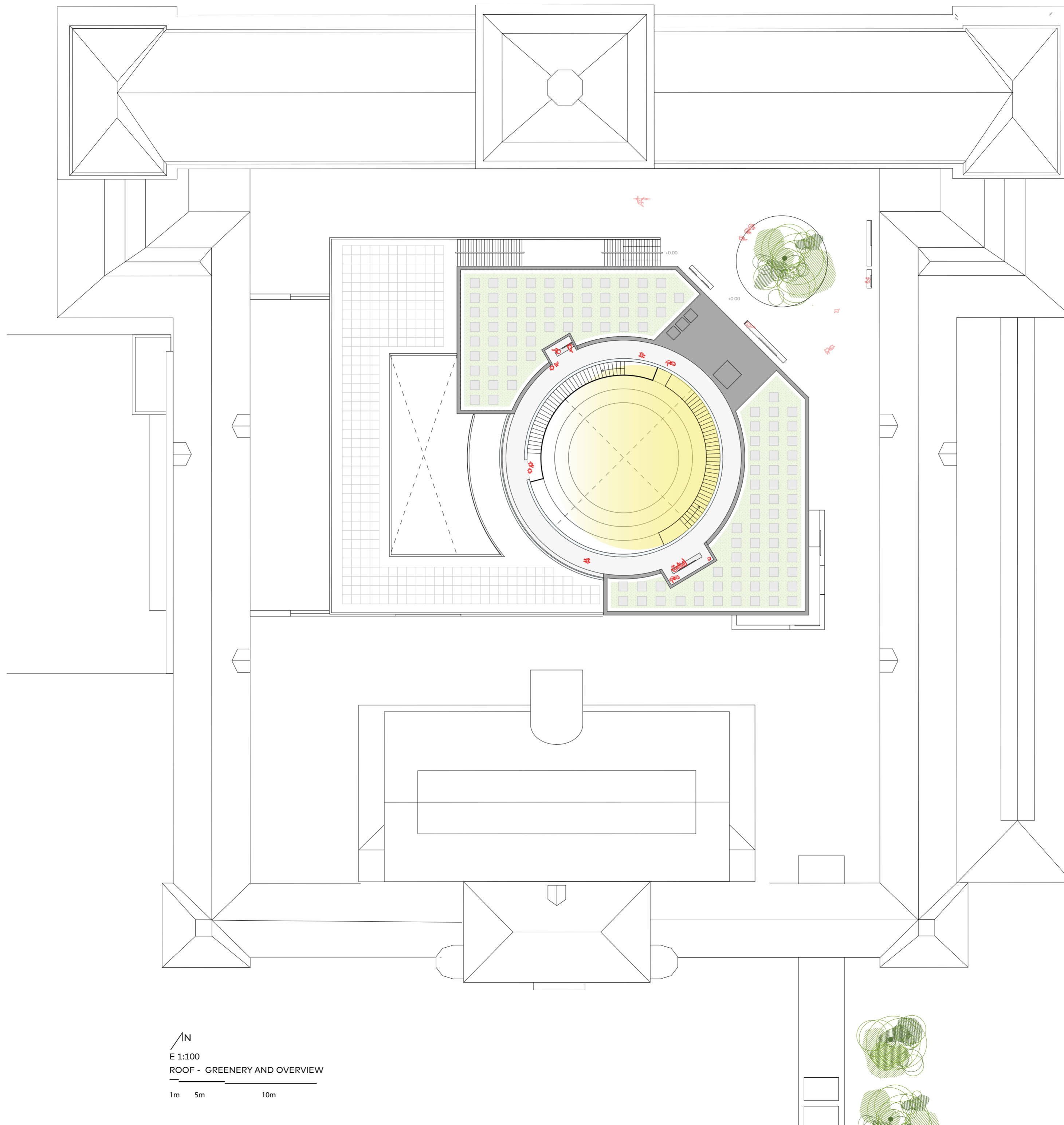
THIRD FLOOR - LECTURE ROOM & WORKSHOP



↑ N  
E 1:100  
THIRD FLOOR - LECTURE AND WORKSHOP  
1m 5m 10m

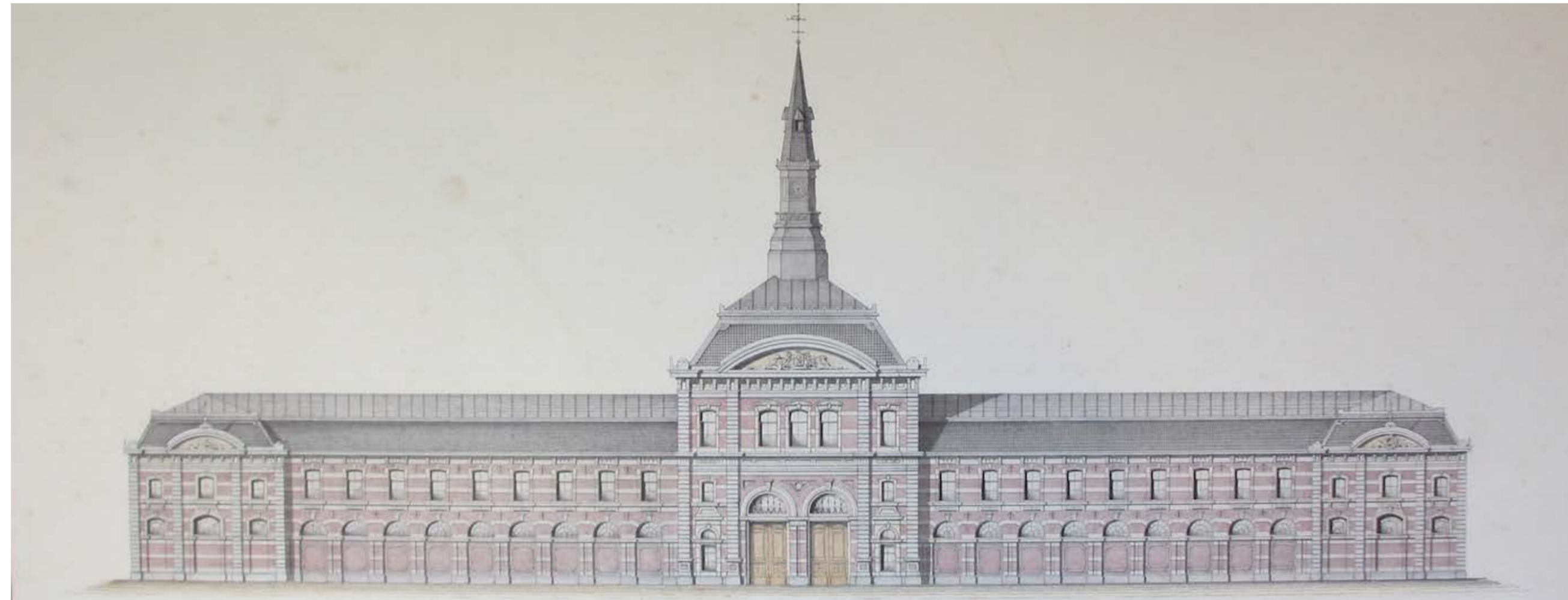


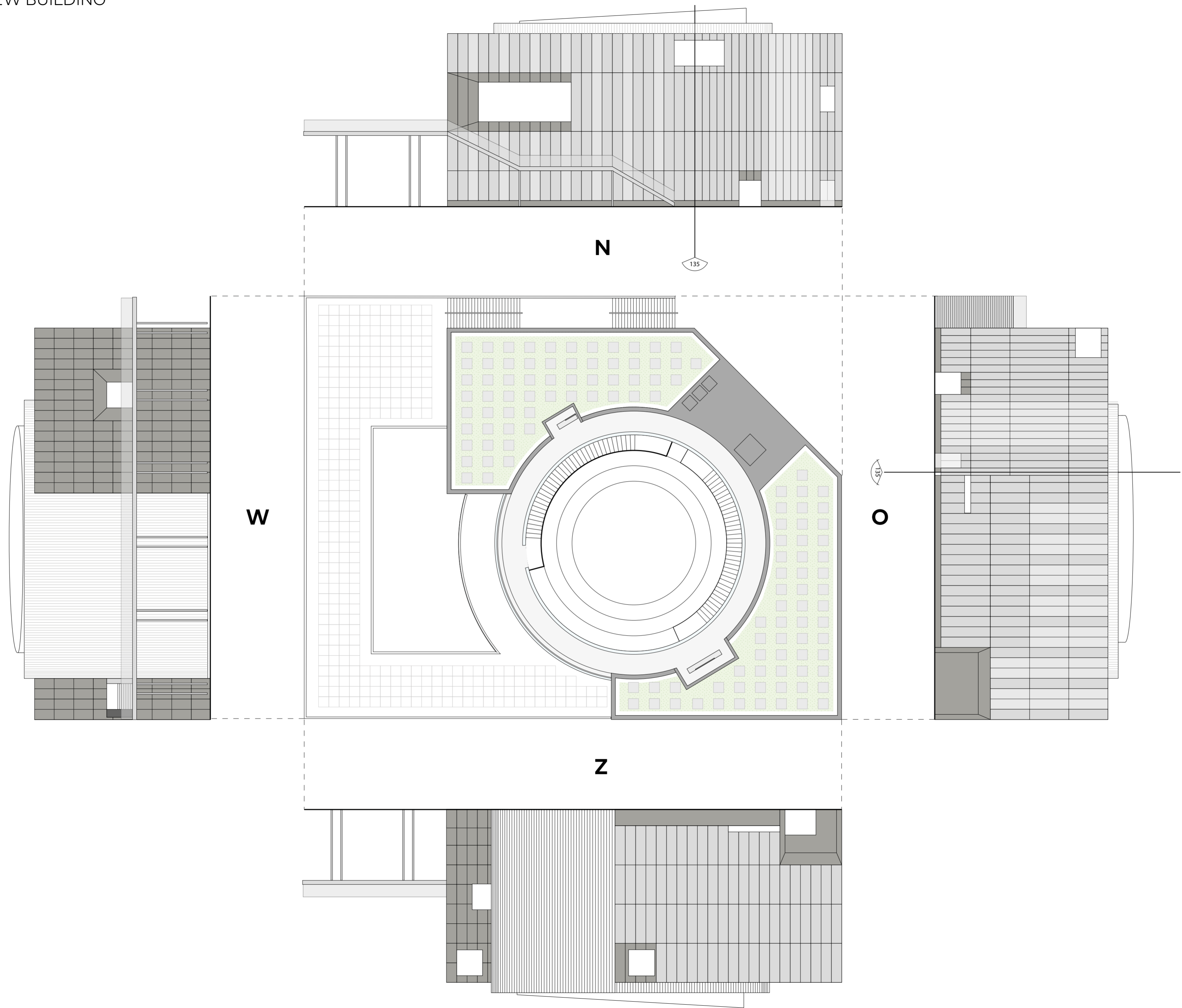


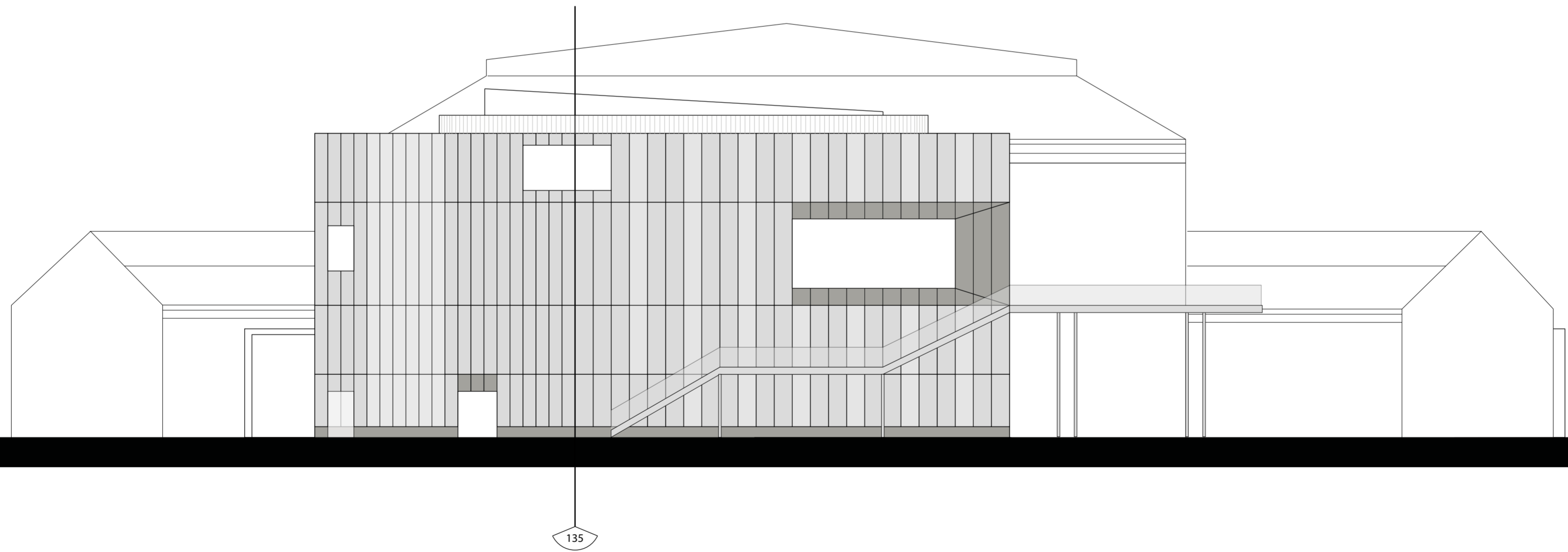


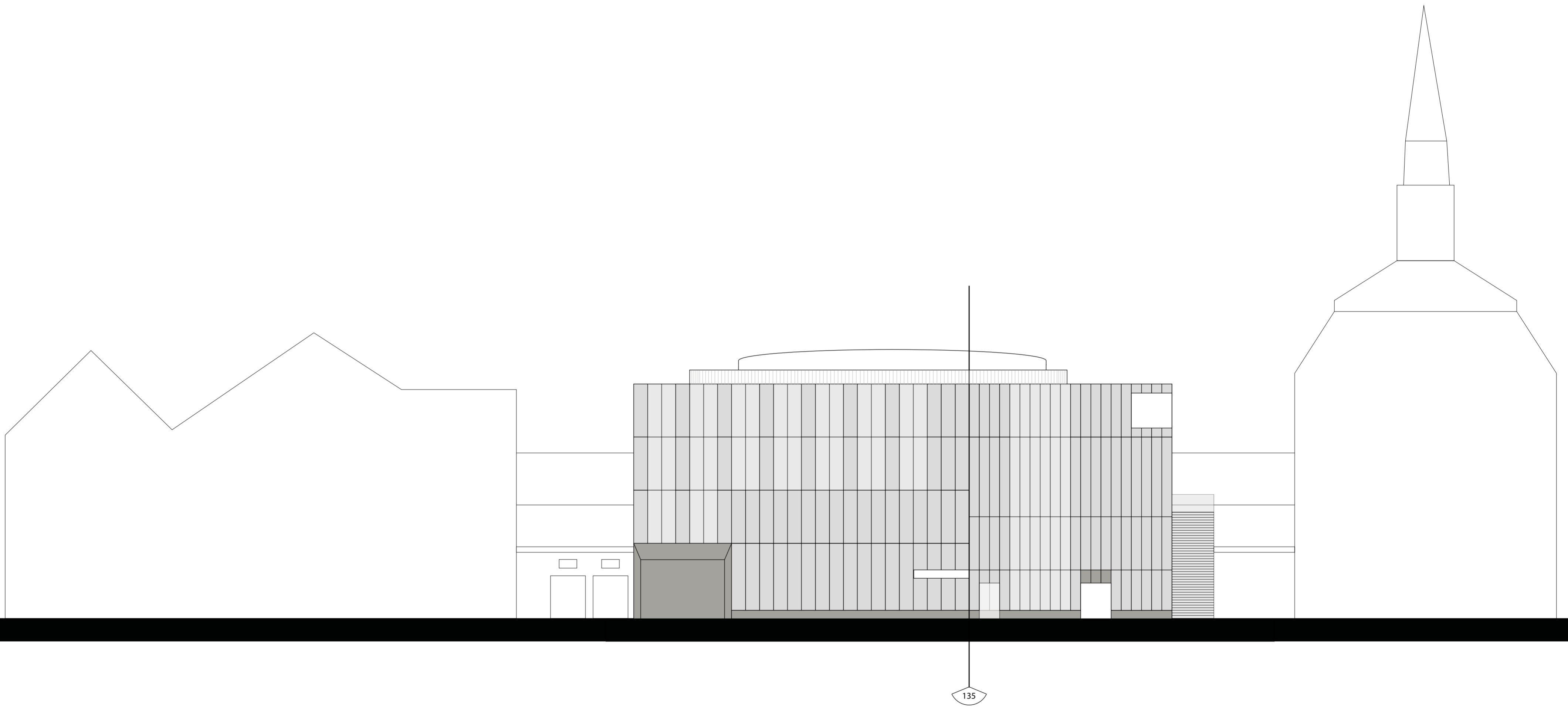
↑N  
E 1:100  
ROOF - GREENERY AND OVERVIEW  
1m 5m 10m

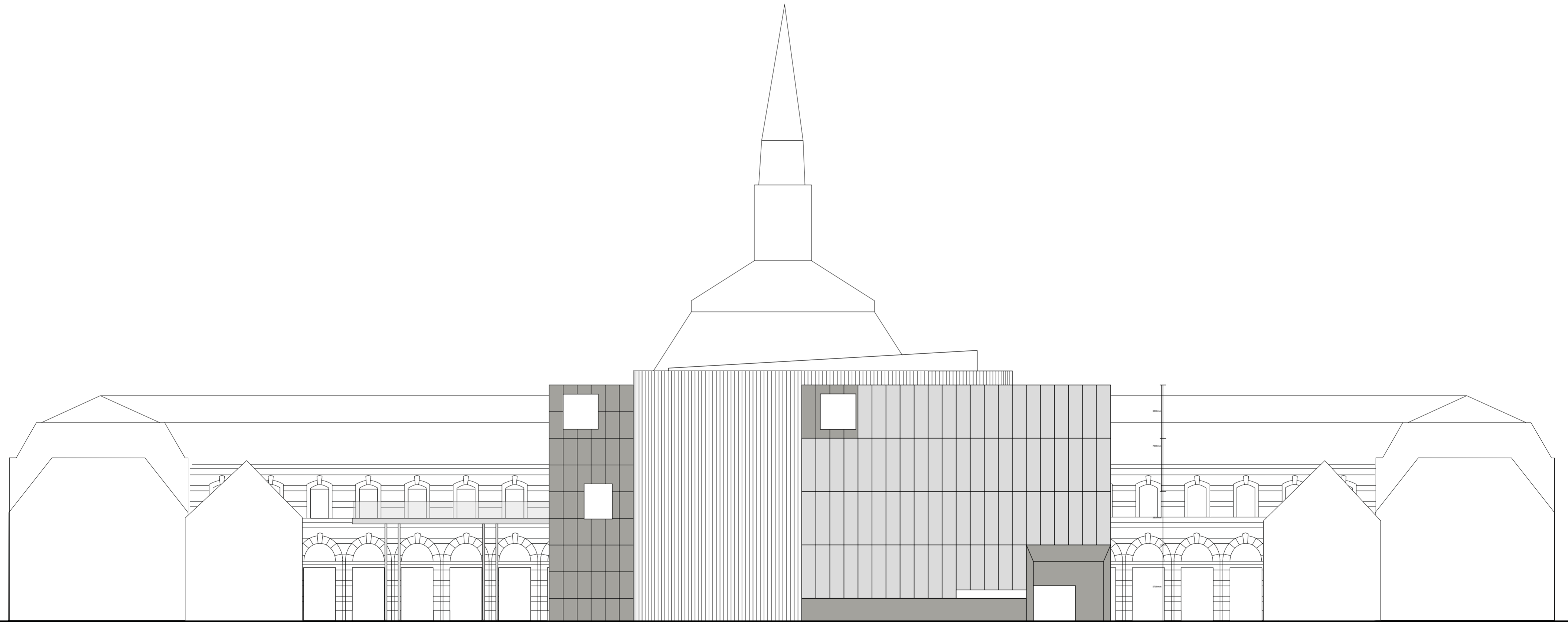
**FACADES**

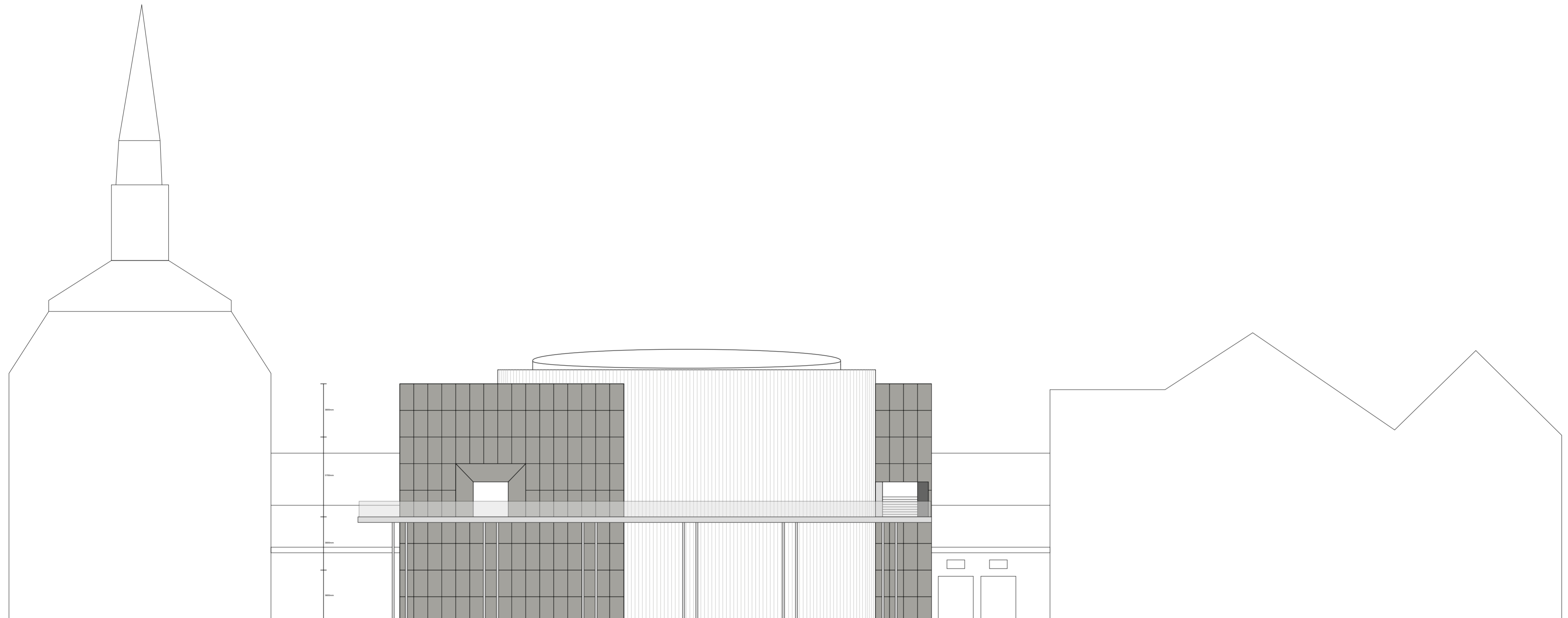








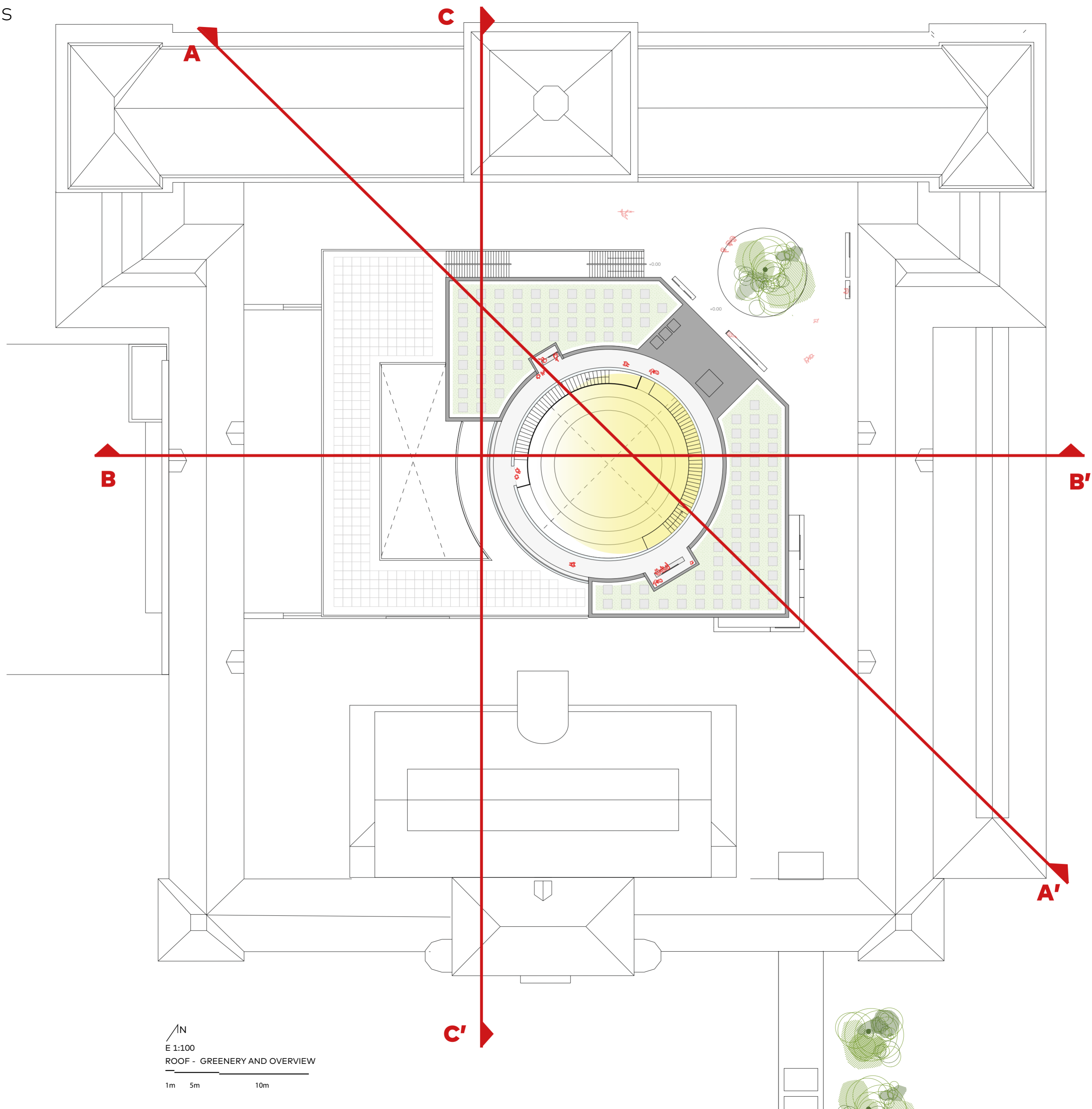






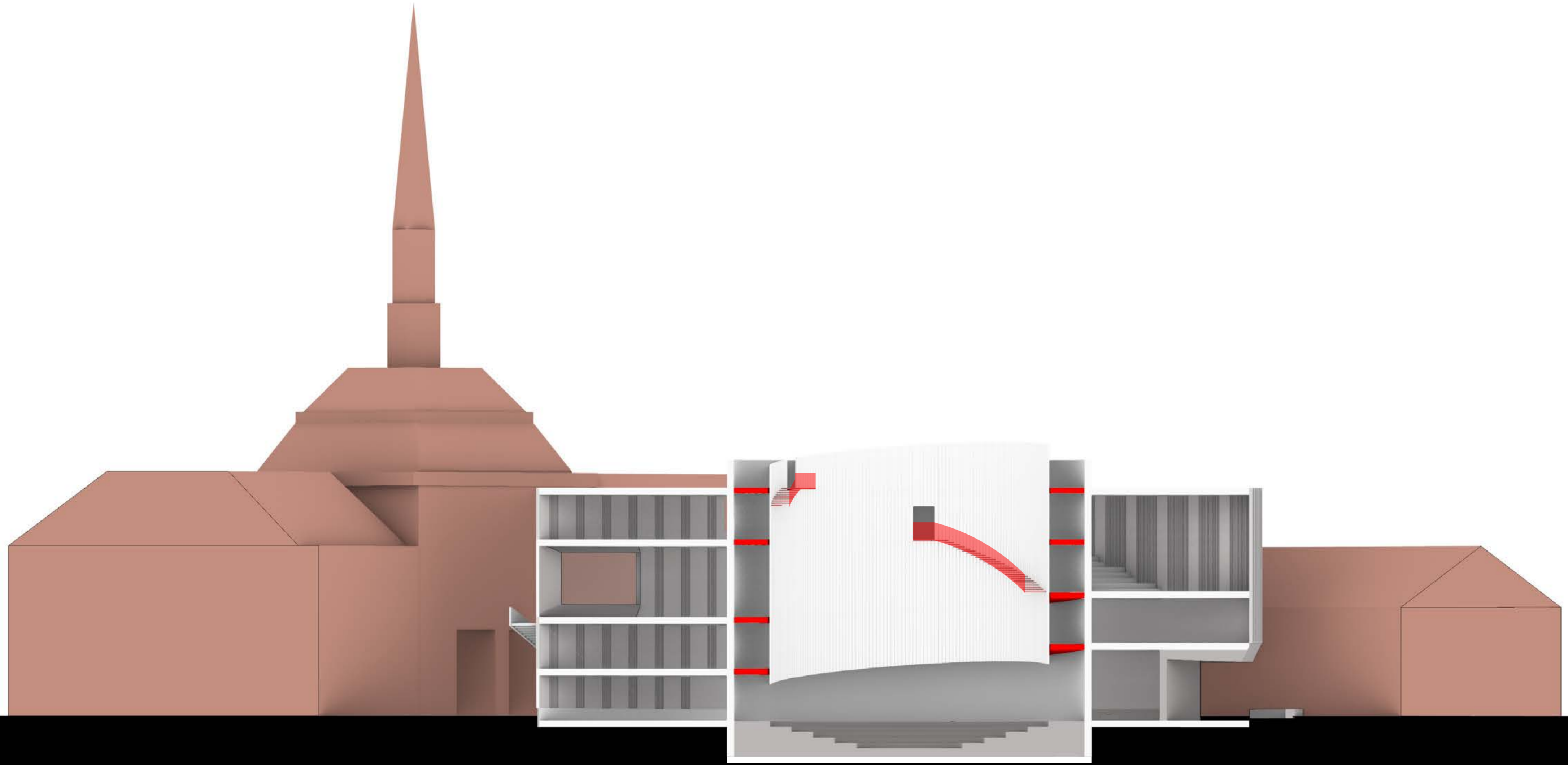
## **SECTIONS**

ROOF PLAN WITH SECTIONS

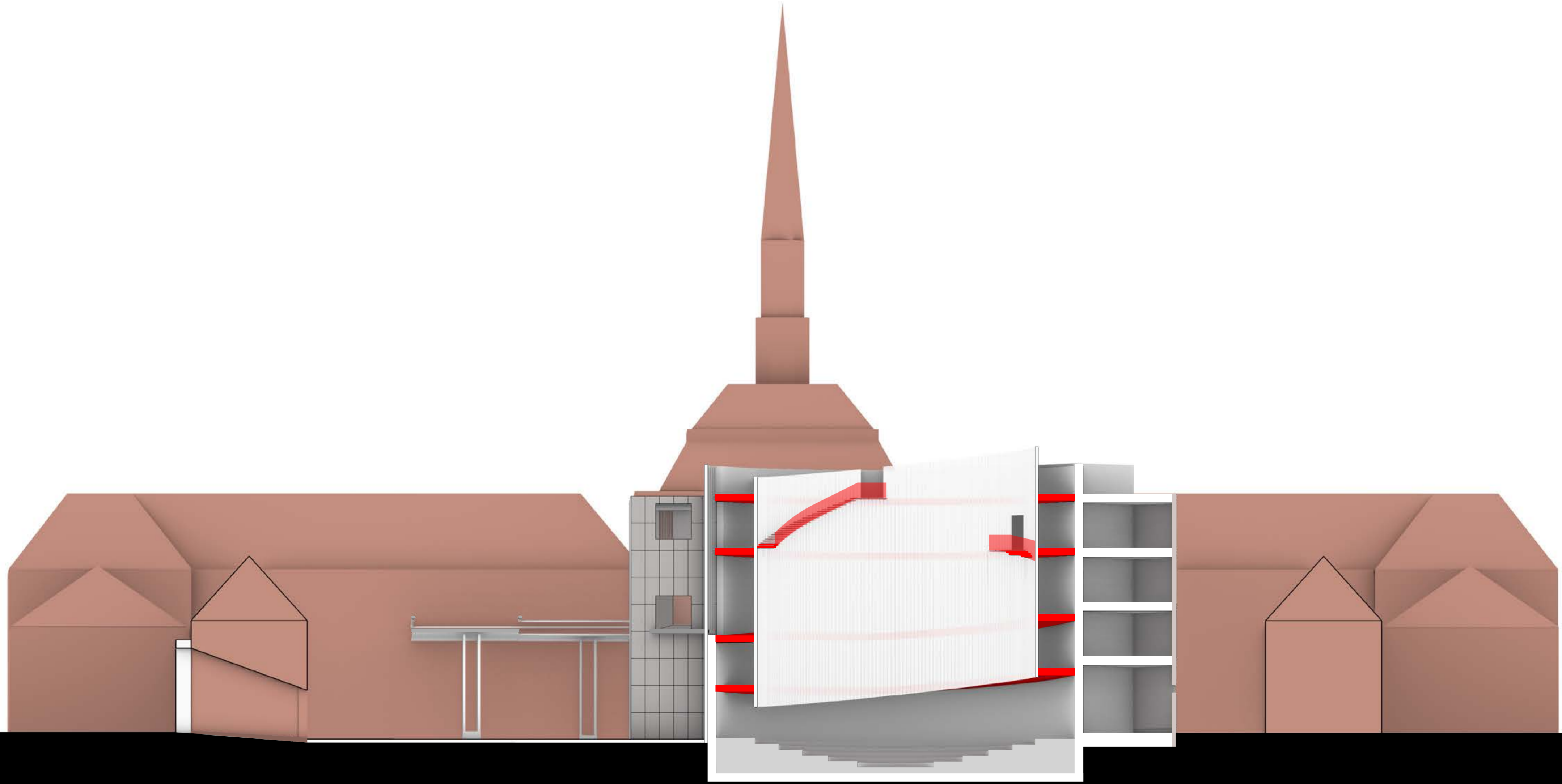


↑N  
E 1:100  
ROOF - GREENERY AND OVERVIEW  
1m 5m 10m

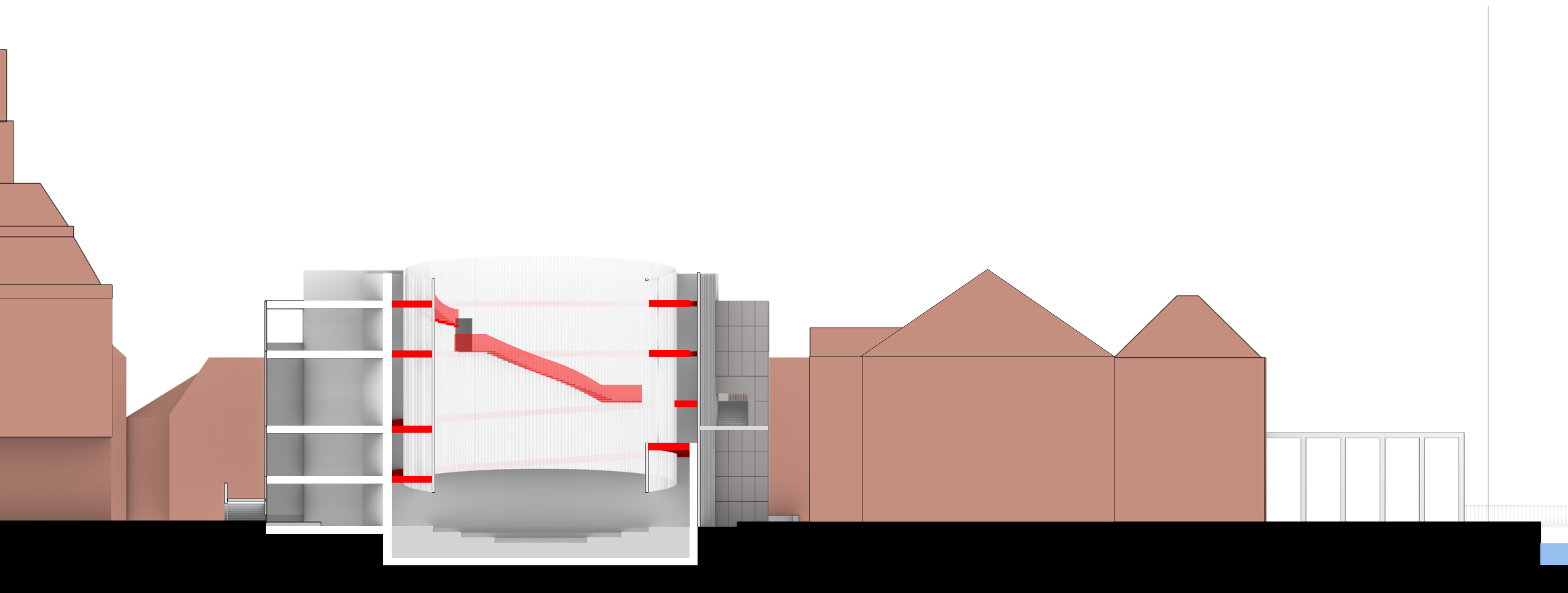
SECTION A



SECTION B

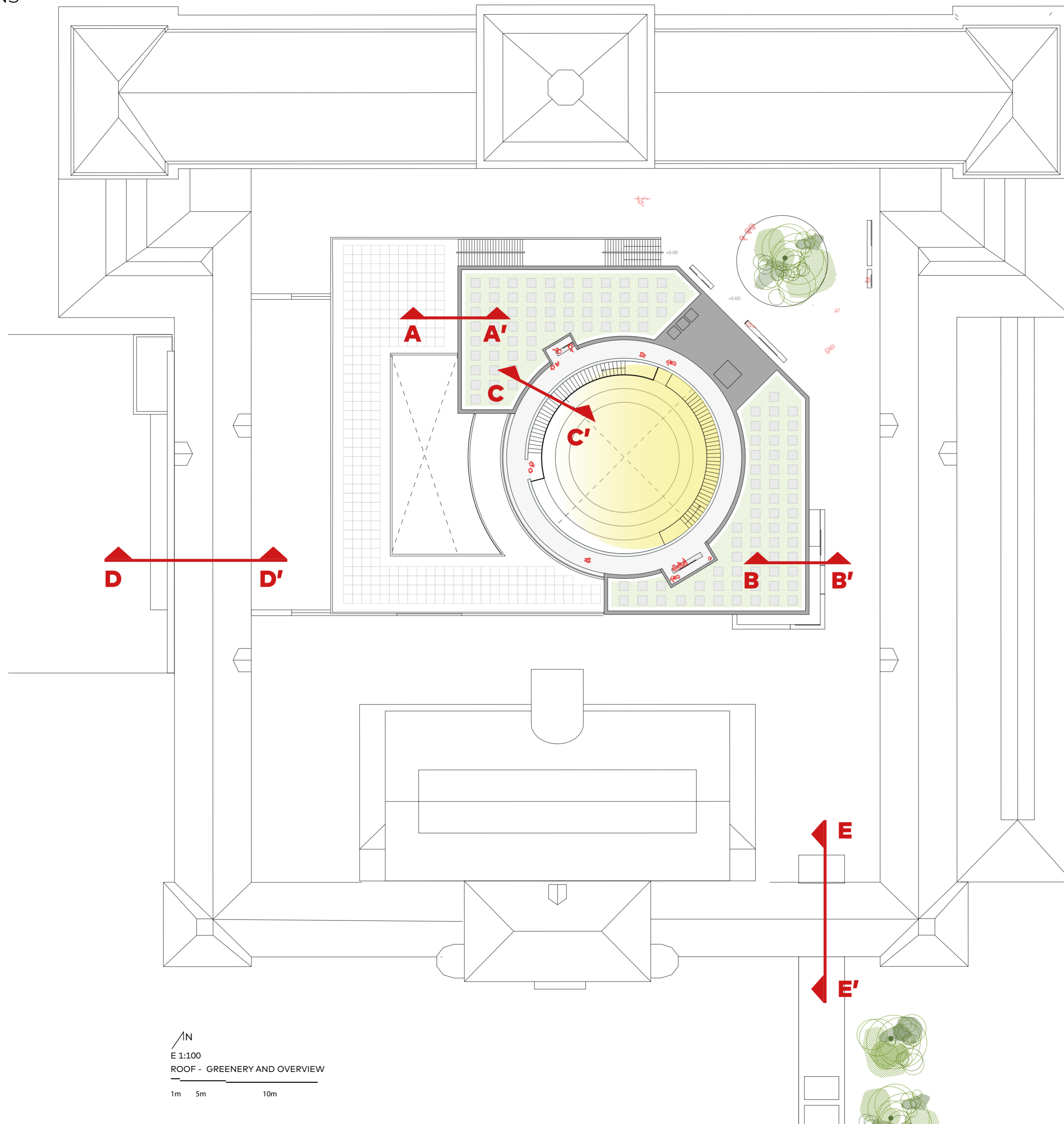


SECTION C



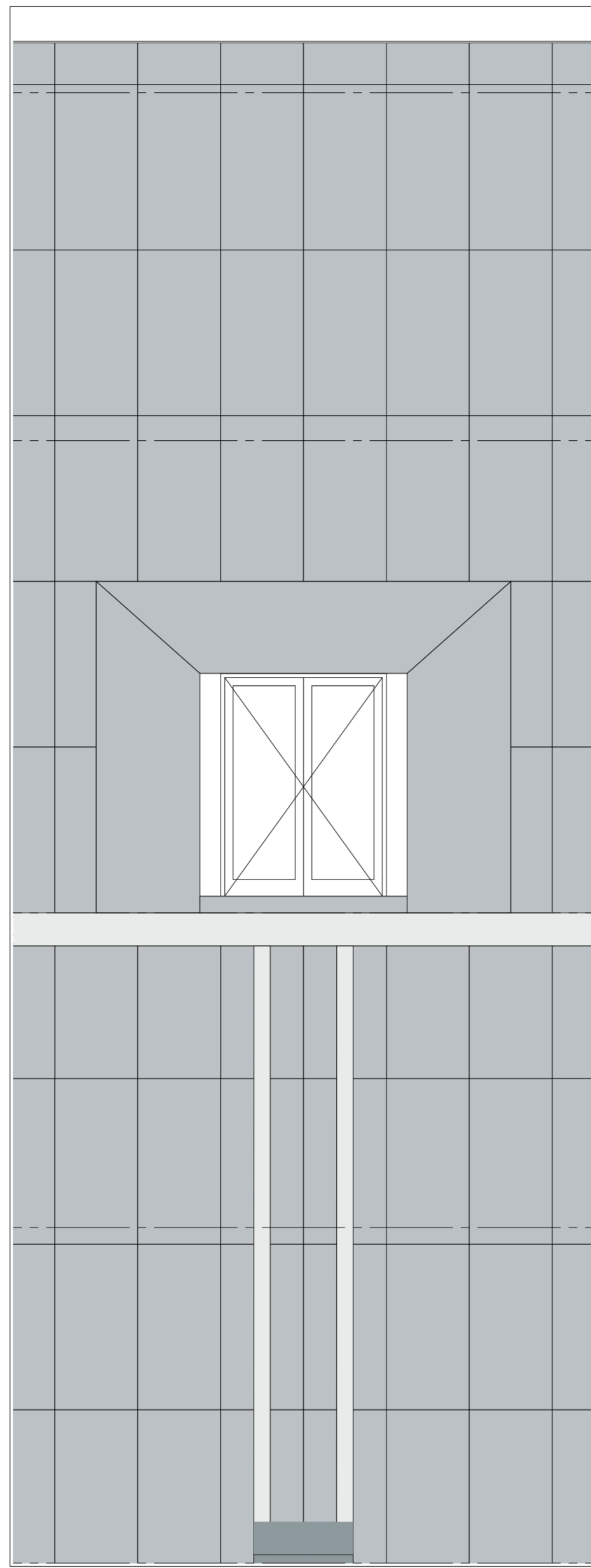
**SECTIONS 1:20**

FLOORPLAN WITH SECTIONS

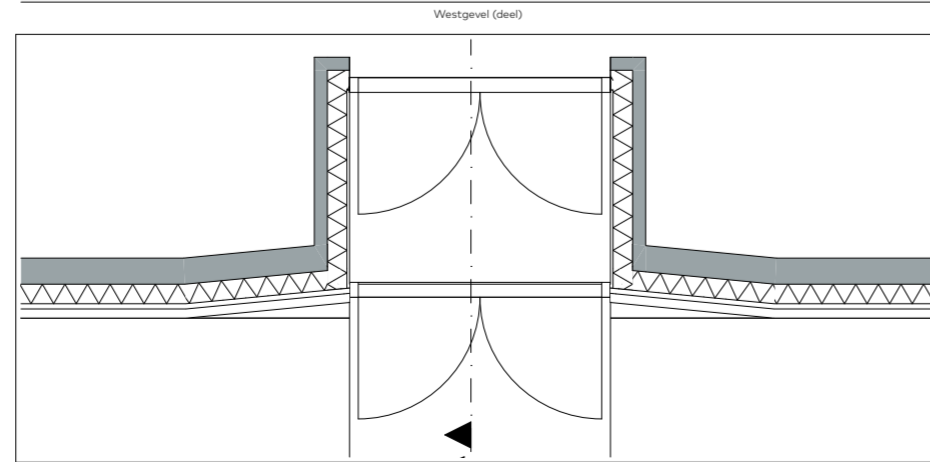


↑N  
E 1:100  
ROOF - GREENERY AND OVERVIEW  
1m 5m 10m

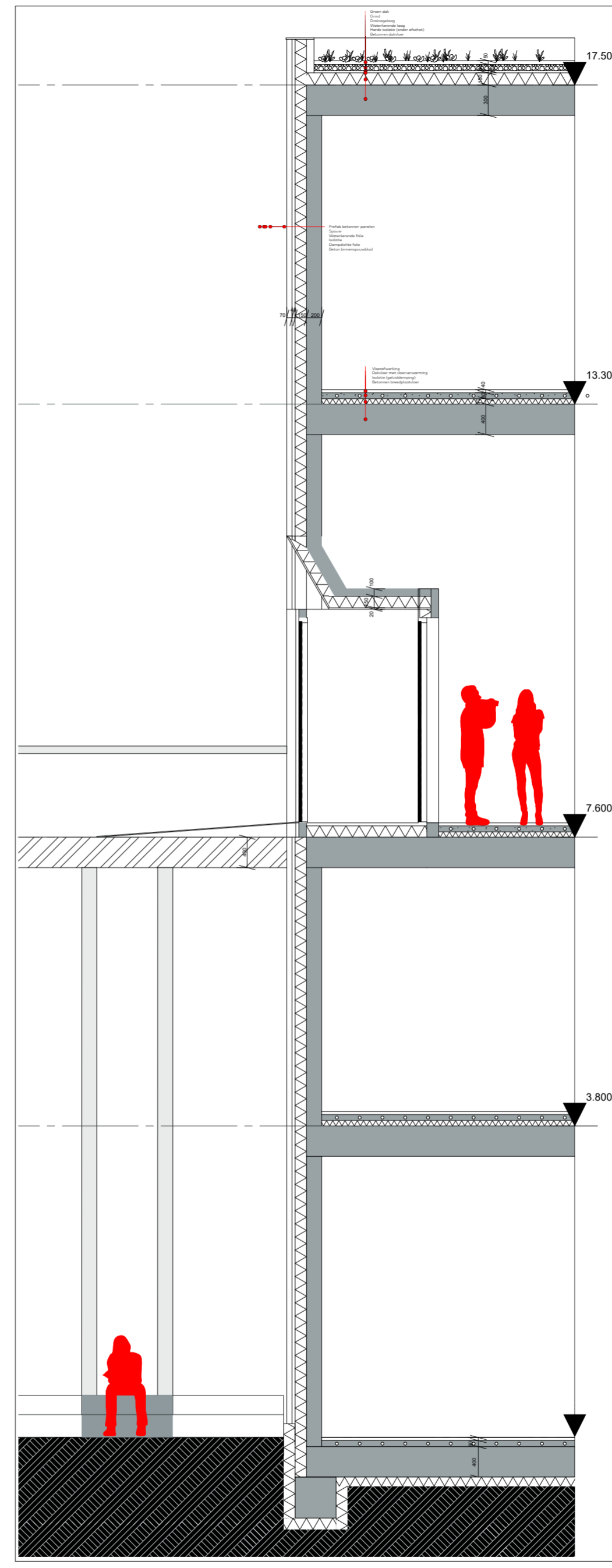
SECTION A-A' new building



G1 1:20



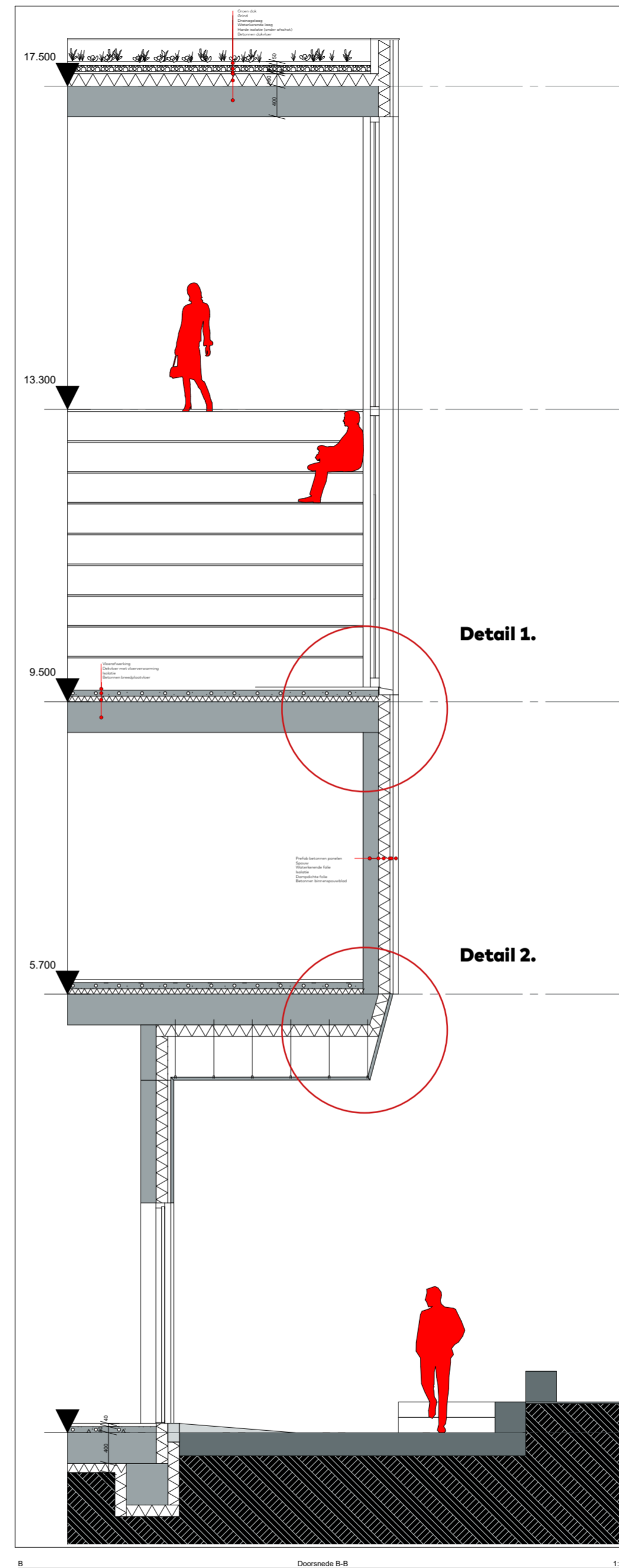
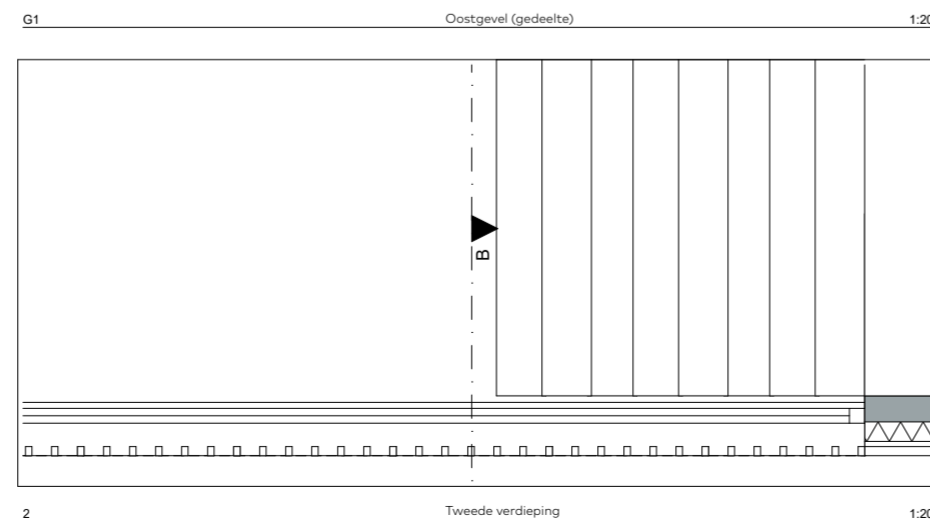
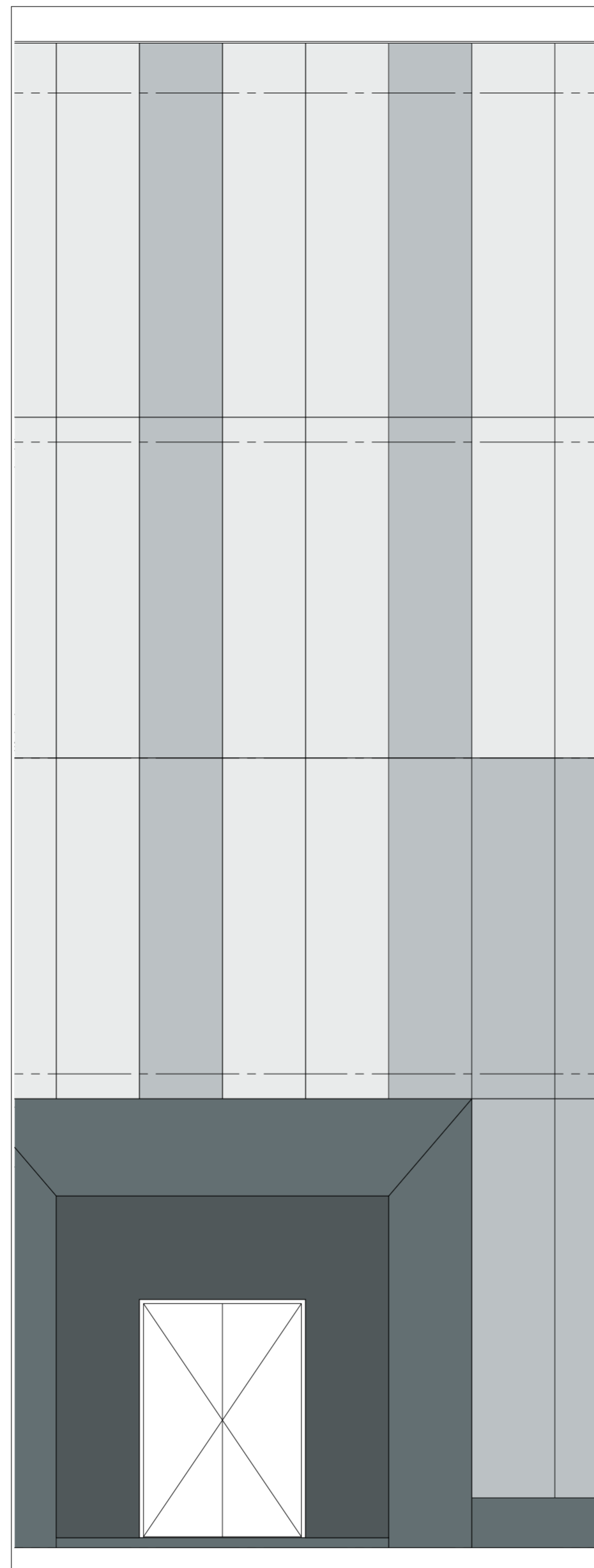
2e verdieping 1:20



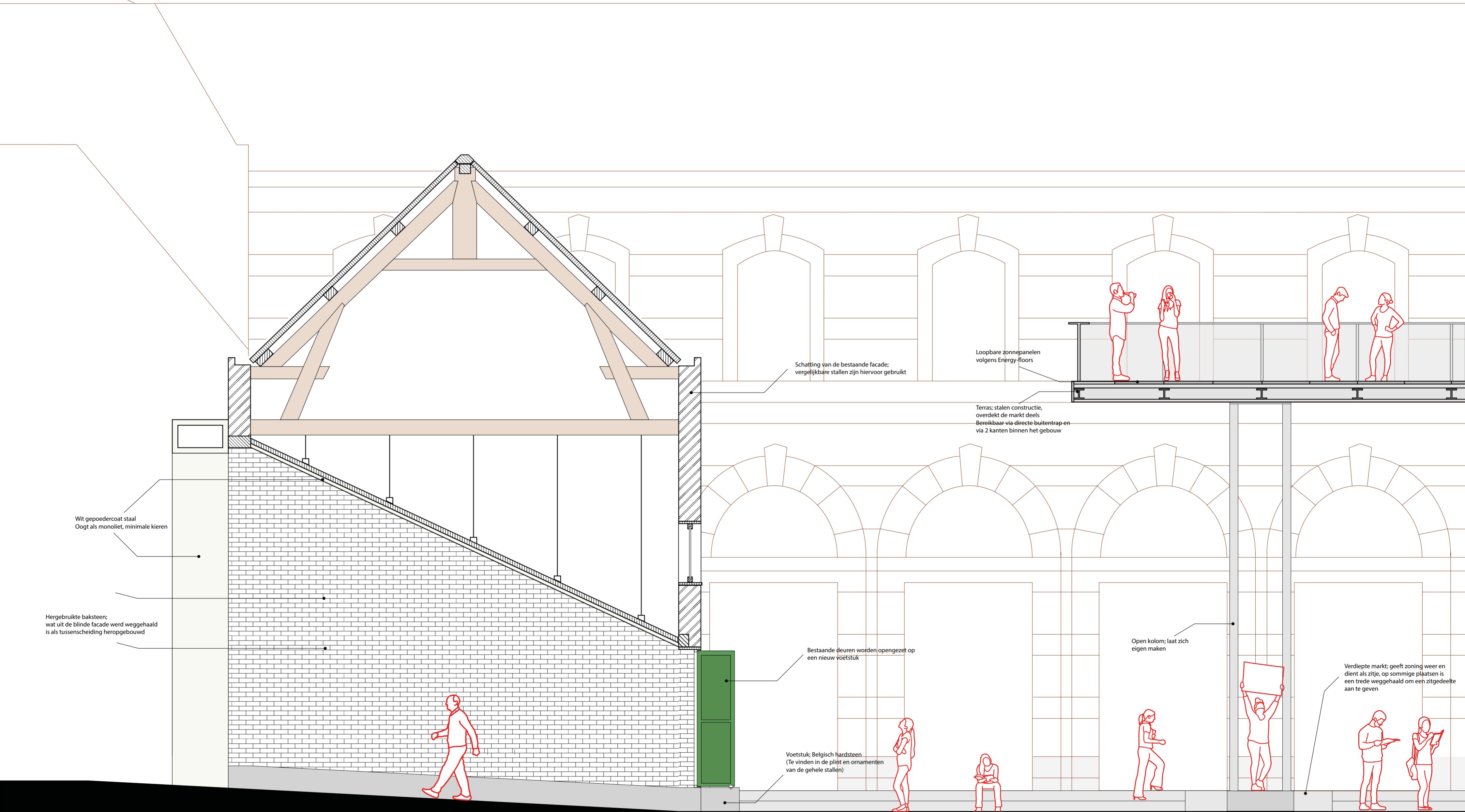
A Doornede A-A 1:20



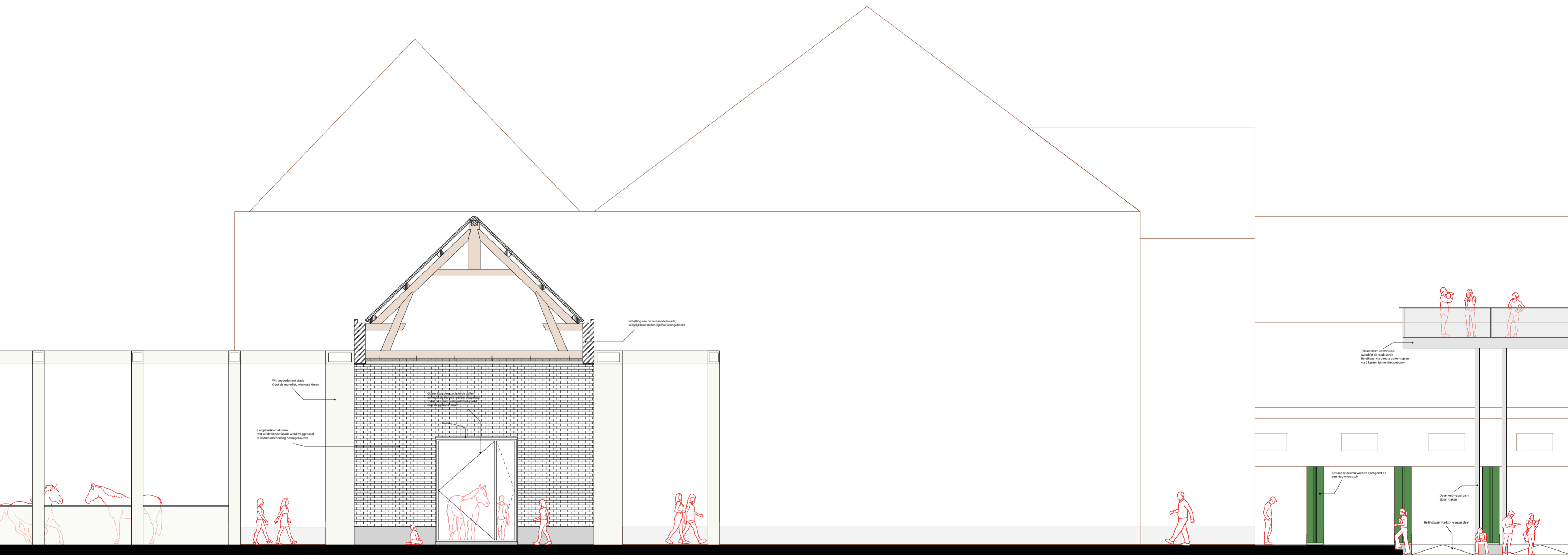
SECTION B-B' new building



SECTION D-D' break through Royal Stables



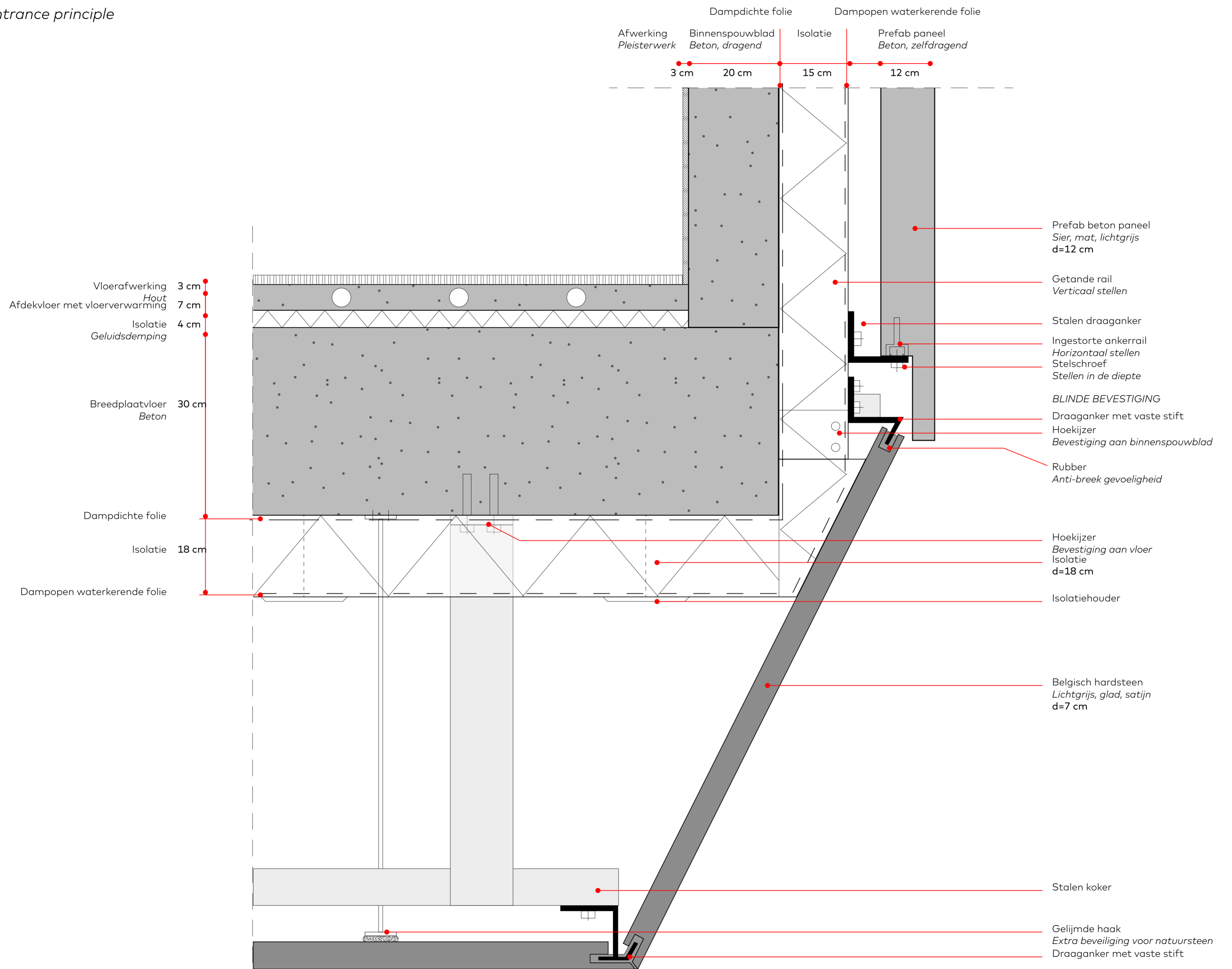
SECTION E-E' break through Royal Stables



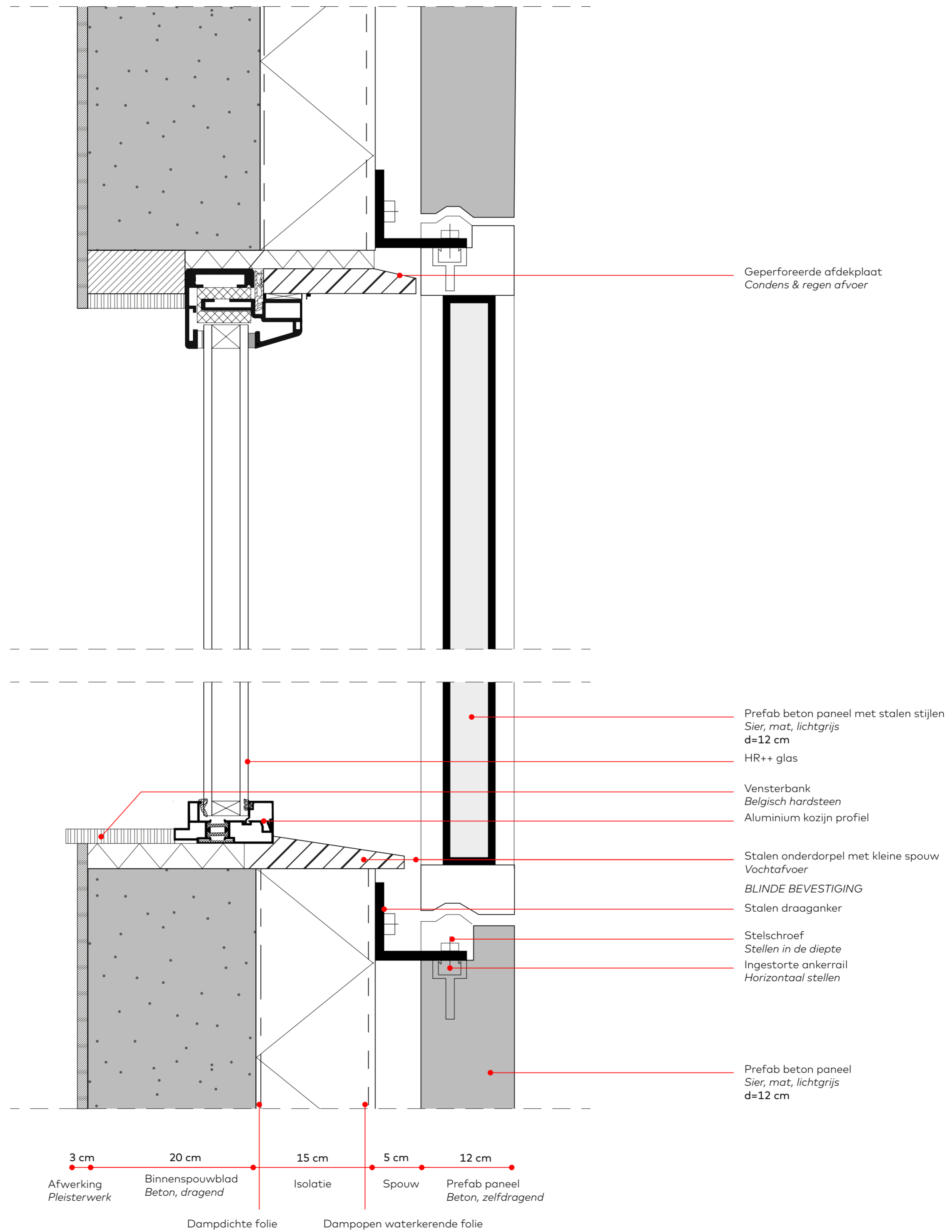
1m 5m

**DETAILS 1:5**

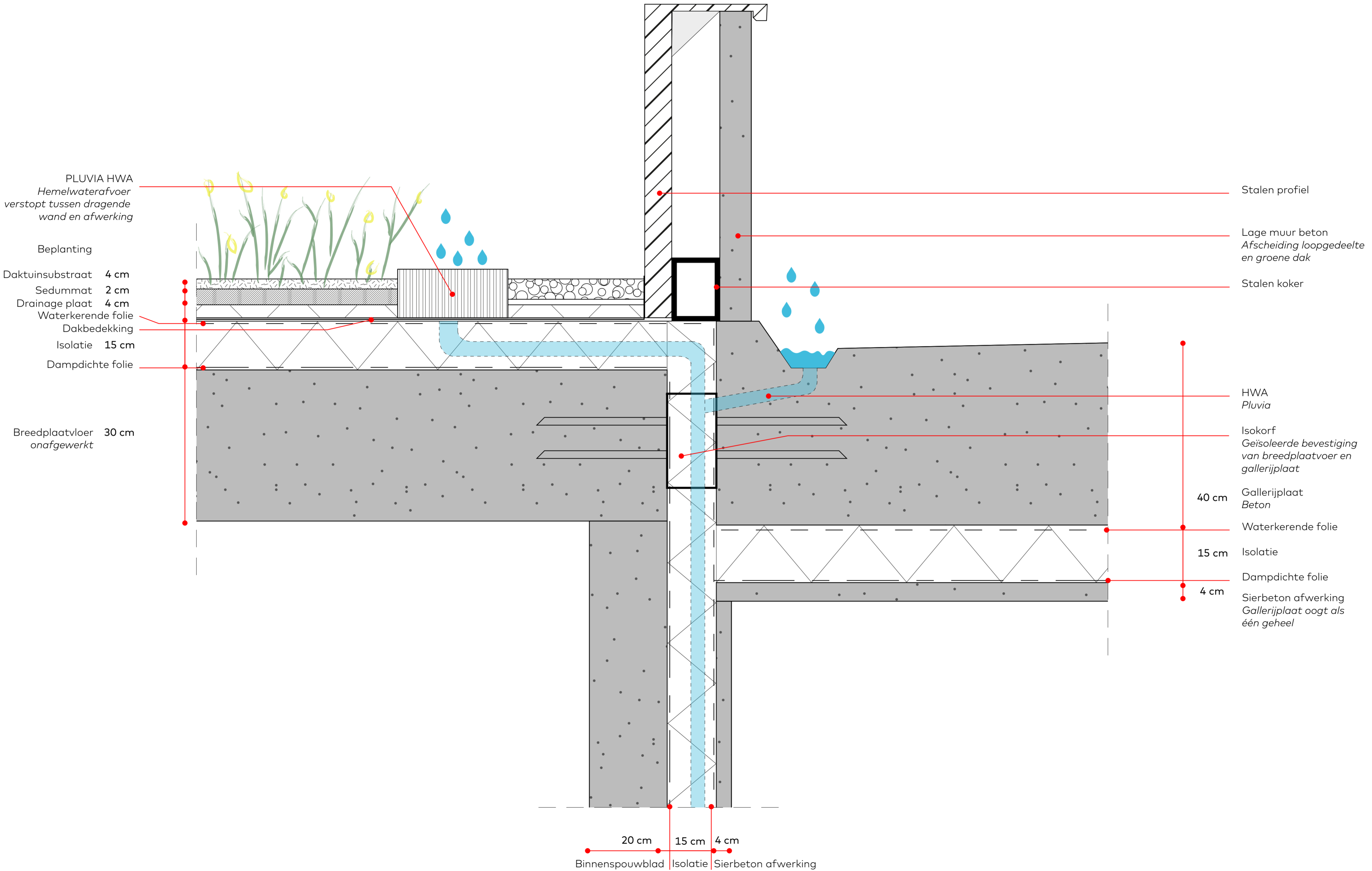
DETAIL 1 *entrance principle*



DETAIL 2 *window principle*



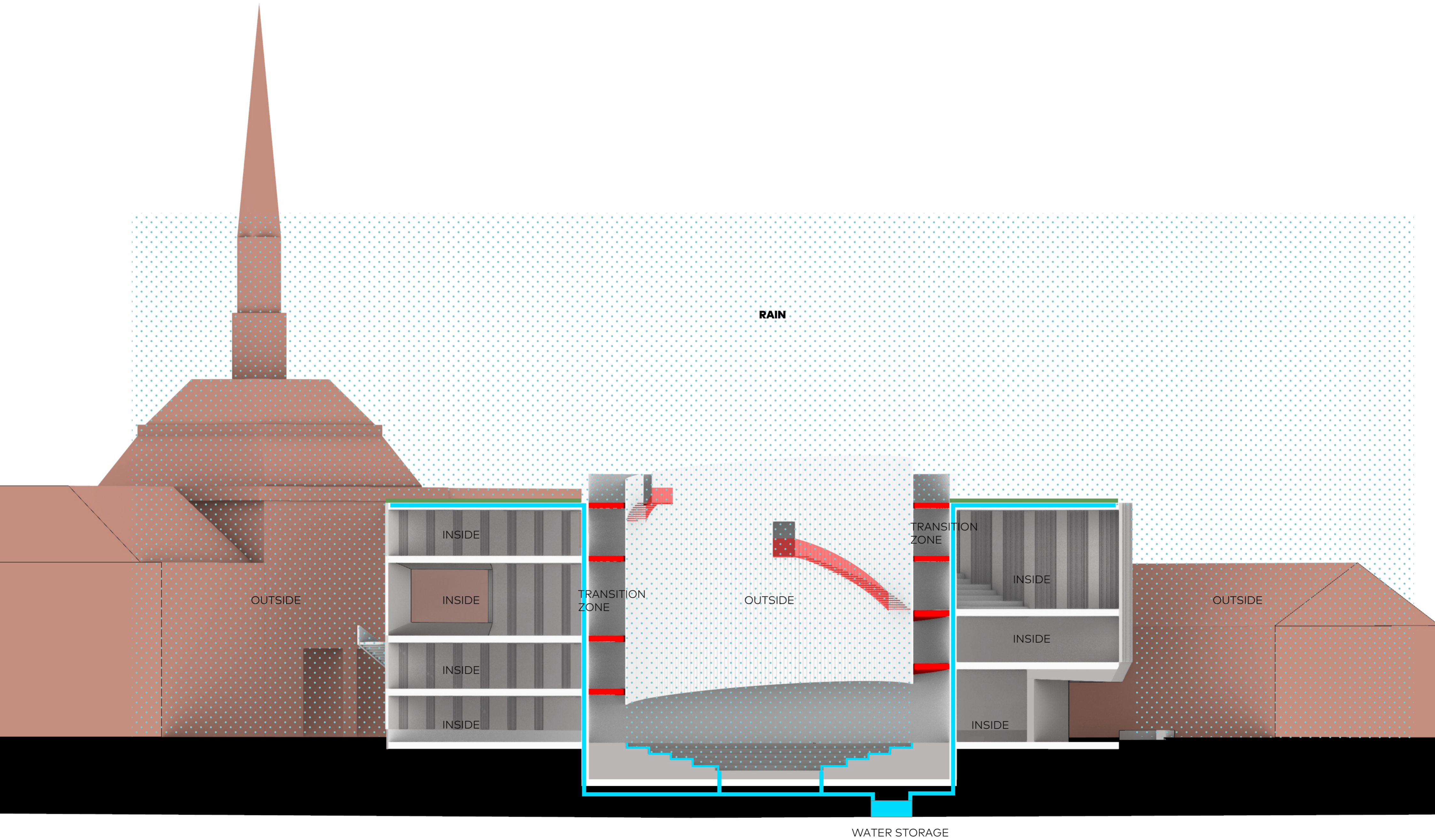
DETAIL 3 *green roof principle*

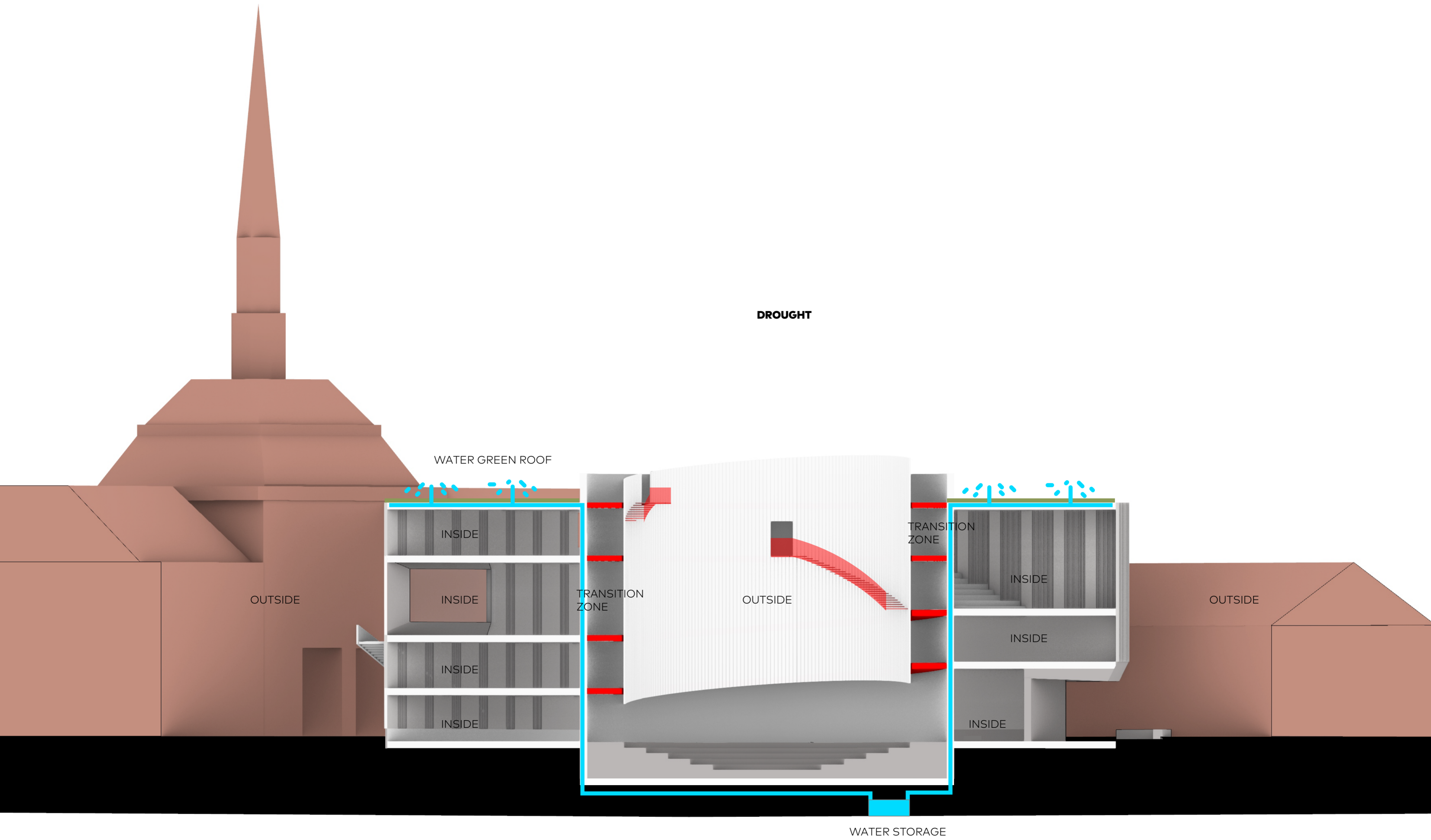


## **CLIMATE PLAN**



CLIMATE PLAN - RAIN





DROUGHT

WATER GREEN ROOF

OUTSIDE

INSIDE

INSIDE

TRANSITION ZONE

OUTSIDE

TRANSITION ZONE

INSIDE

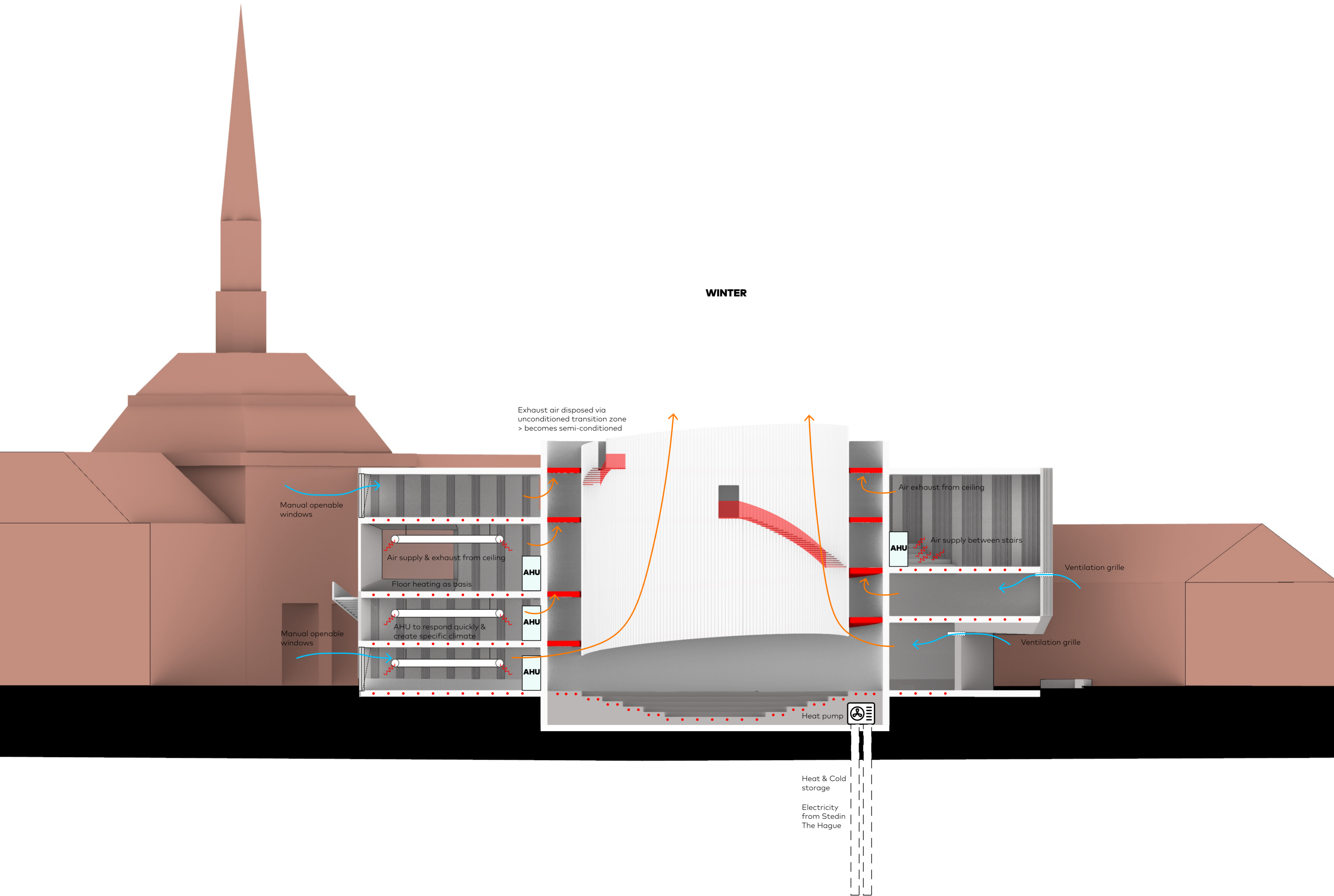
INSIDE

INSIDE

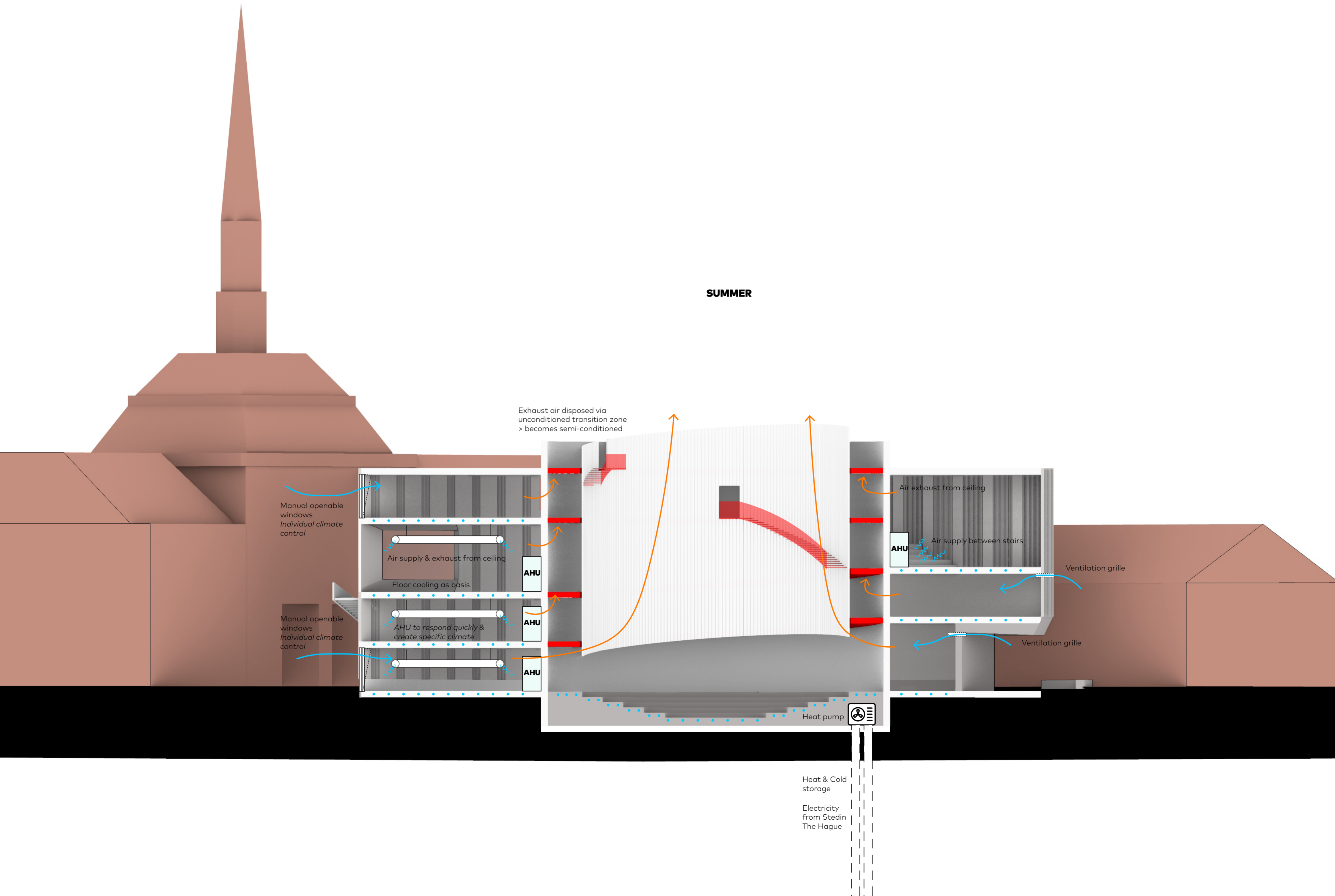
OUTSIDE

WATER STORAGE

WINTER

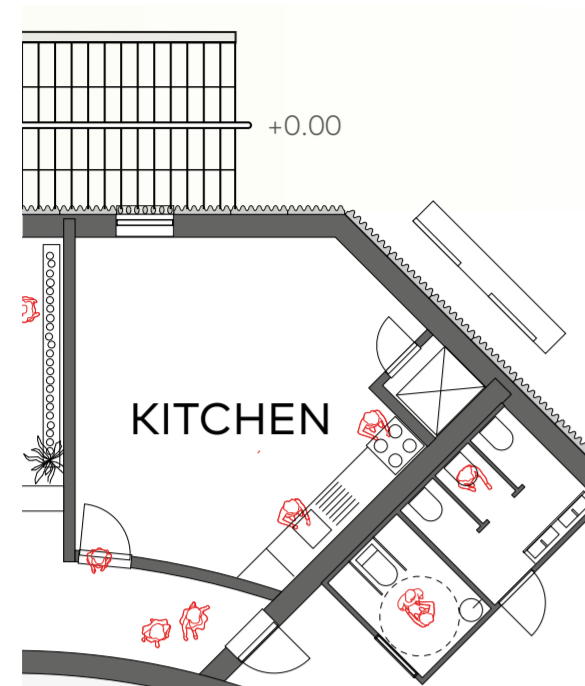


SUMMER

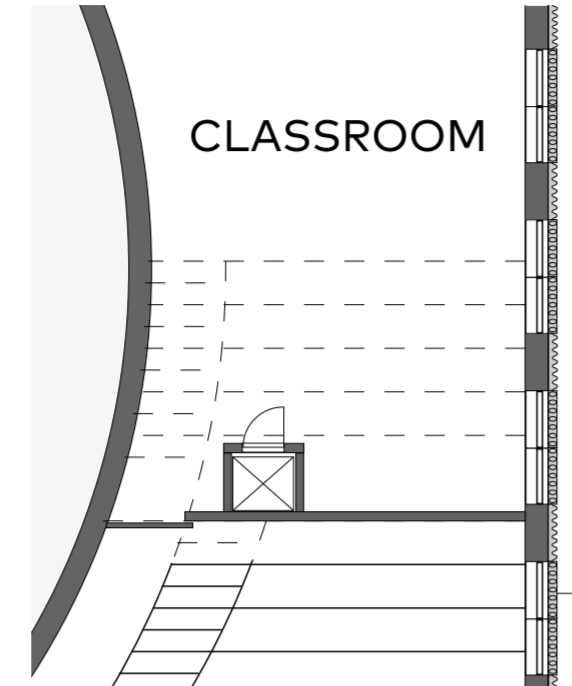


## AIR HANDLING UNITS

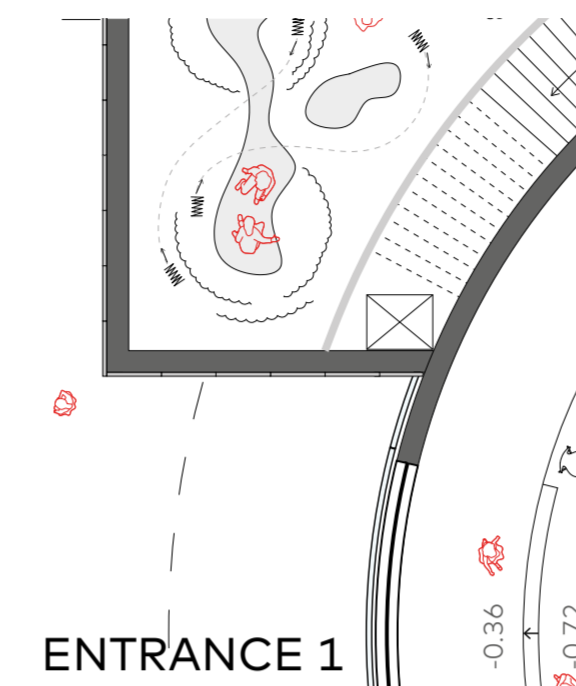
Bar - in kitchen



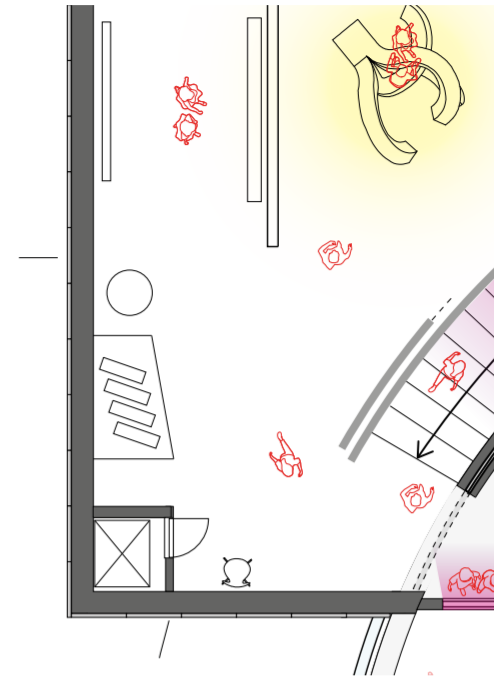
Lecture - under stairs



Intimate - under stairs

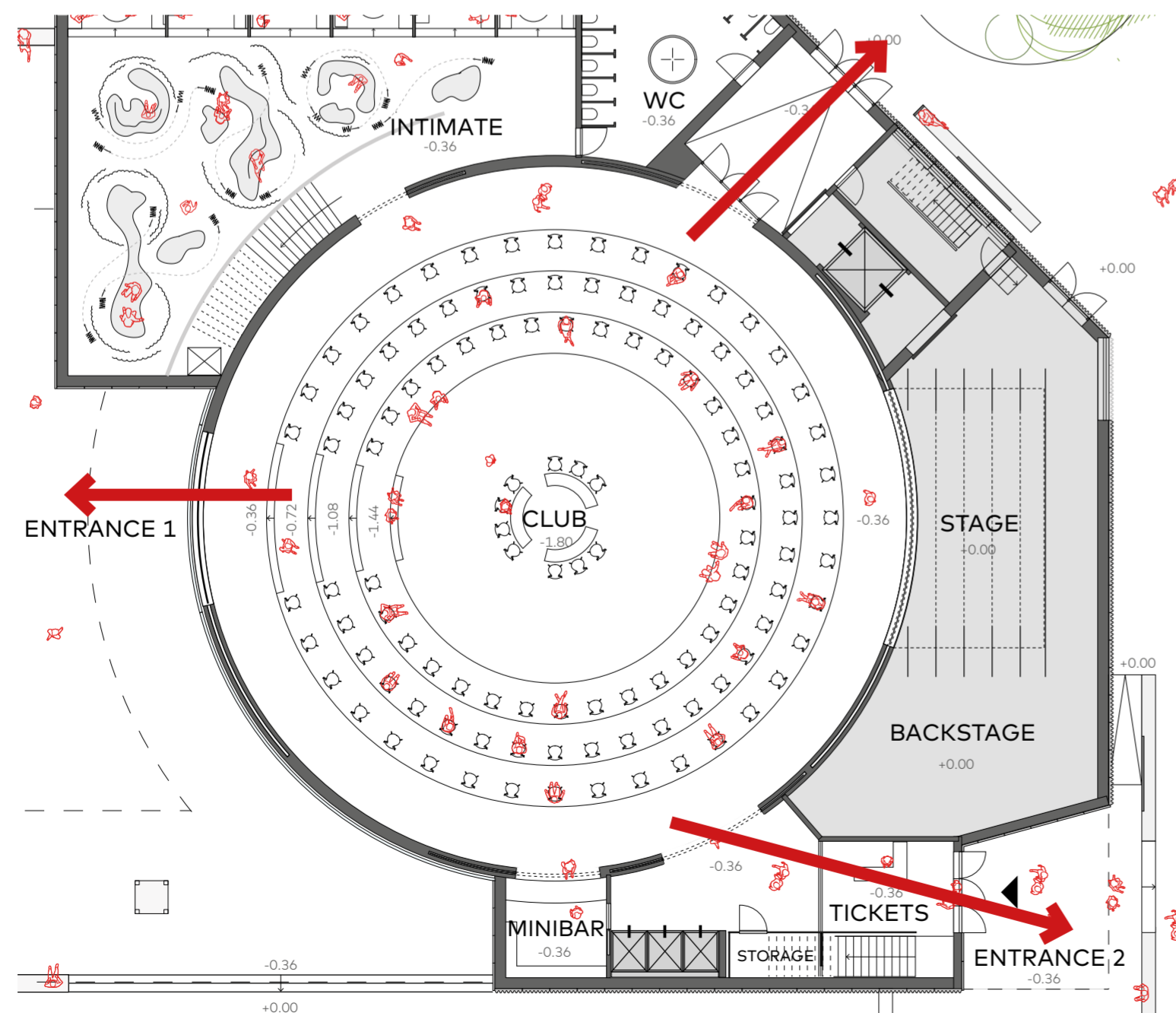


Exhibition - in the corner

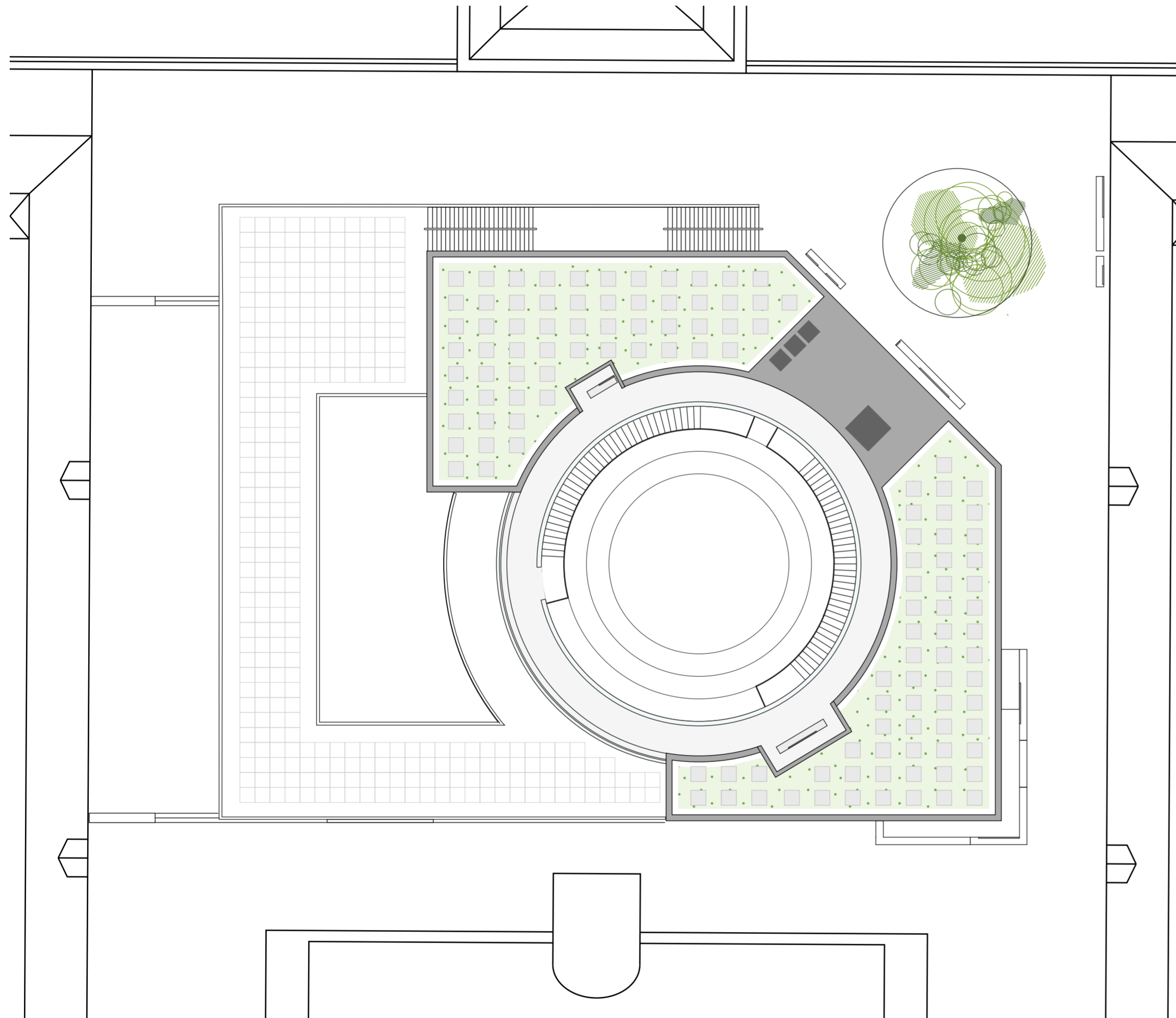


Aantal personen verschild van 70 tot 170.  
Een LBK van 1200 x 2000 x 2000 is voldoende om deze capaciteit te kunnen draaien.

## VLUCHTRROUTE - doorstroomcapaciteit



3 vluchtopties vanuit de Club: Entree 1, Entree 2 en de nooduitgang rechtsboven.  
De deuren draaien naar buiten bij Entree 2 en de nooduitgang. Entree 1 heeft een lichte stalen schuifdeur maar is niet snel genoeg om als nooduitgang mee te rekenen.  
Er kunnen maximaal 510 mensen in de club. De vuistregel is 90 personen per meter breedte deuropening (waarvan de deuren naar buiten draaien).  
 $510 / 90 = 5,6$  m deur nodig.  
De club heeft 6 meter deur (+ de 6 meter brede schuifdeur)



Groen dak met zonnepanelen



Loopbare zonnepanelen (The Walker)



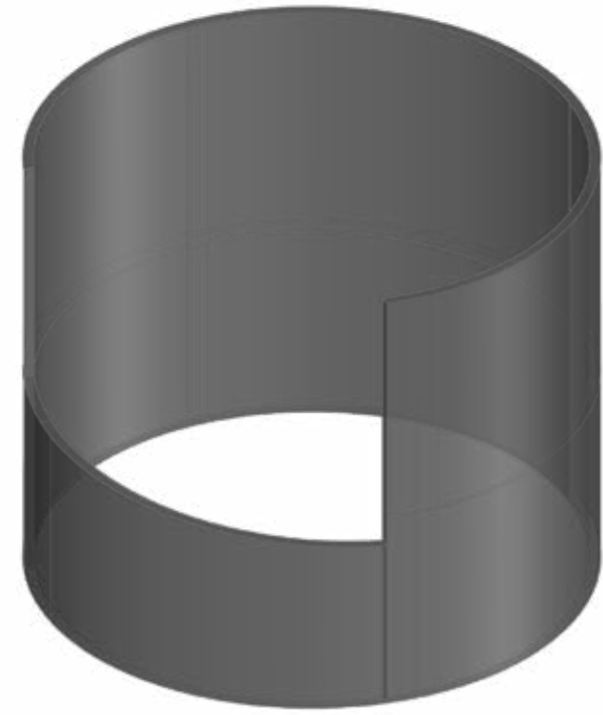
Elektriciteit wordt voor een deel opgewekt op de eigen kavel. Zonnepanelen op het groene dak en loopbare zonnepanelen op het zonnige terras.

Totaal gebruikersoppervlak binnen gebouw = 1830 m<sup>2</sup>

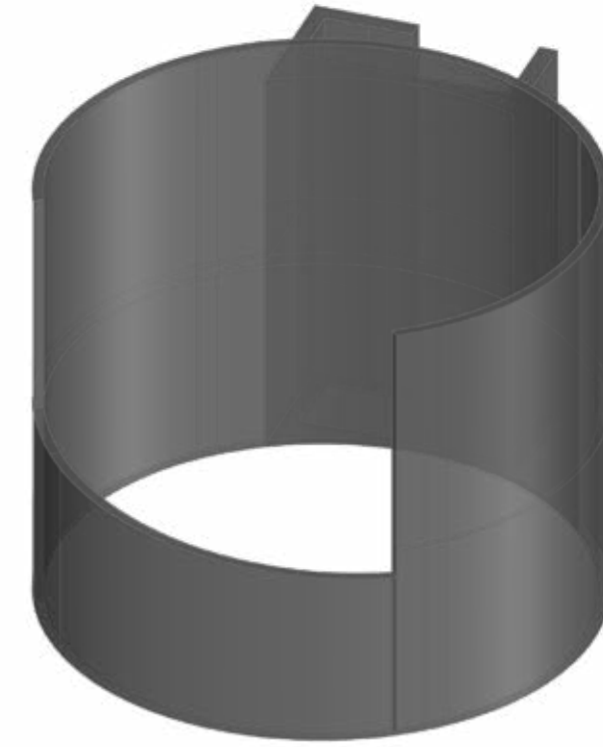
471 m<sup>2</sup> zonnepanelen = 1/4 van het oppervlak (kantoren moeten op 1/3 zitten volgens de nieuwe norm)

## **STRUCTURAL PLAN**

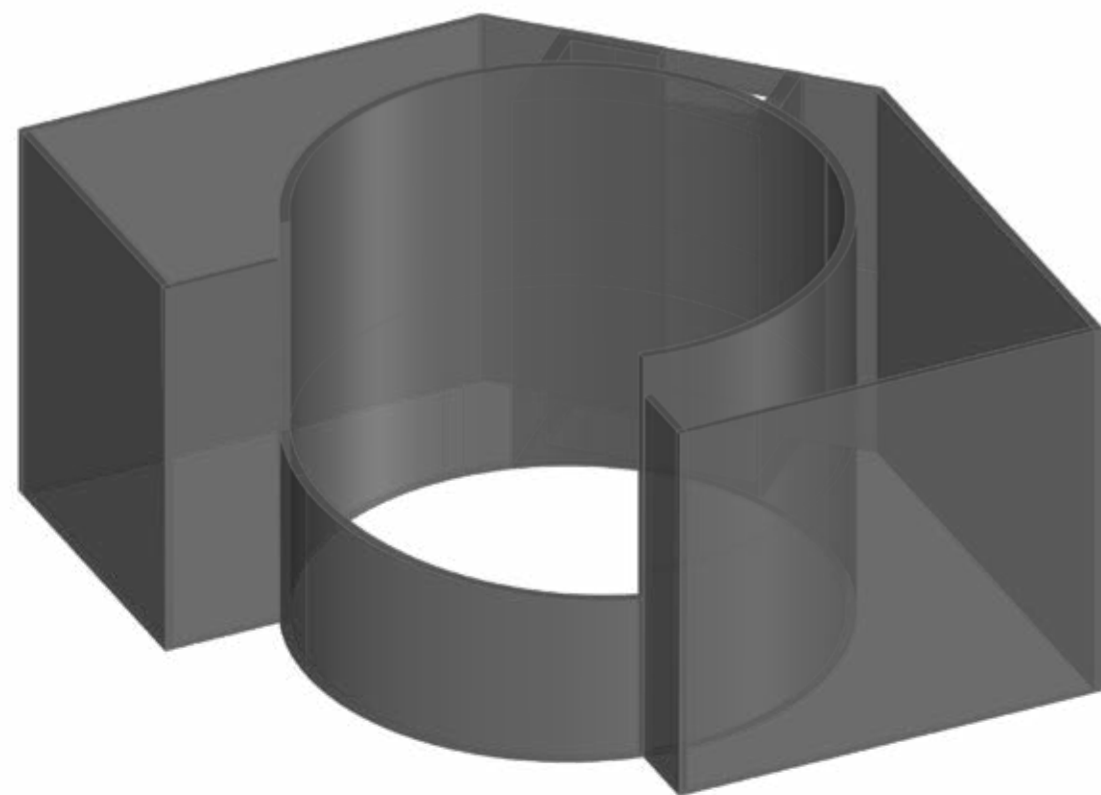
STRUCTURAL PLAN



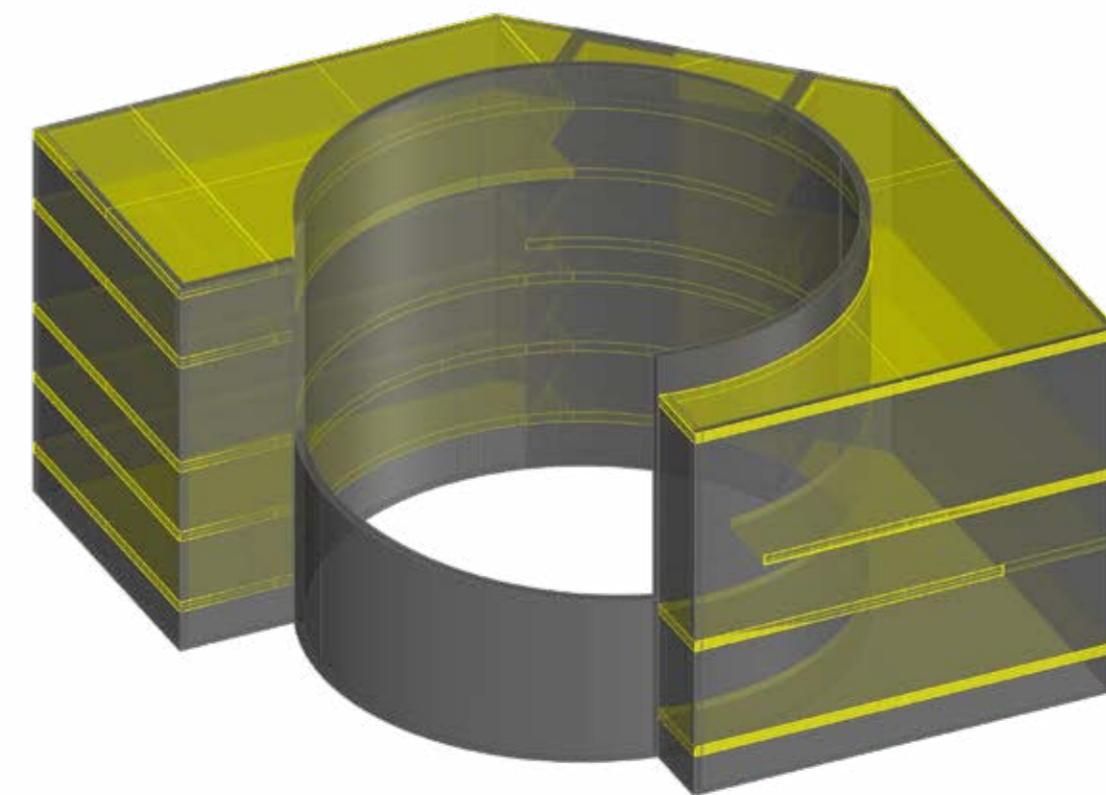
Concrete core 400 mm width



Concrete core + cross stability 400mm width

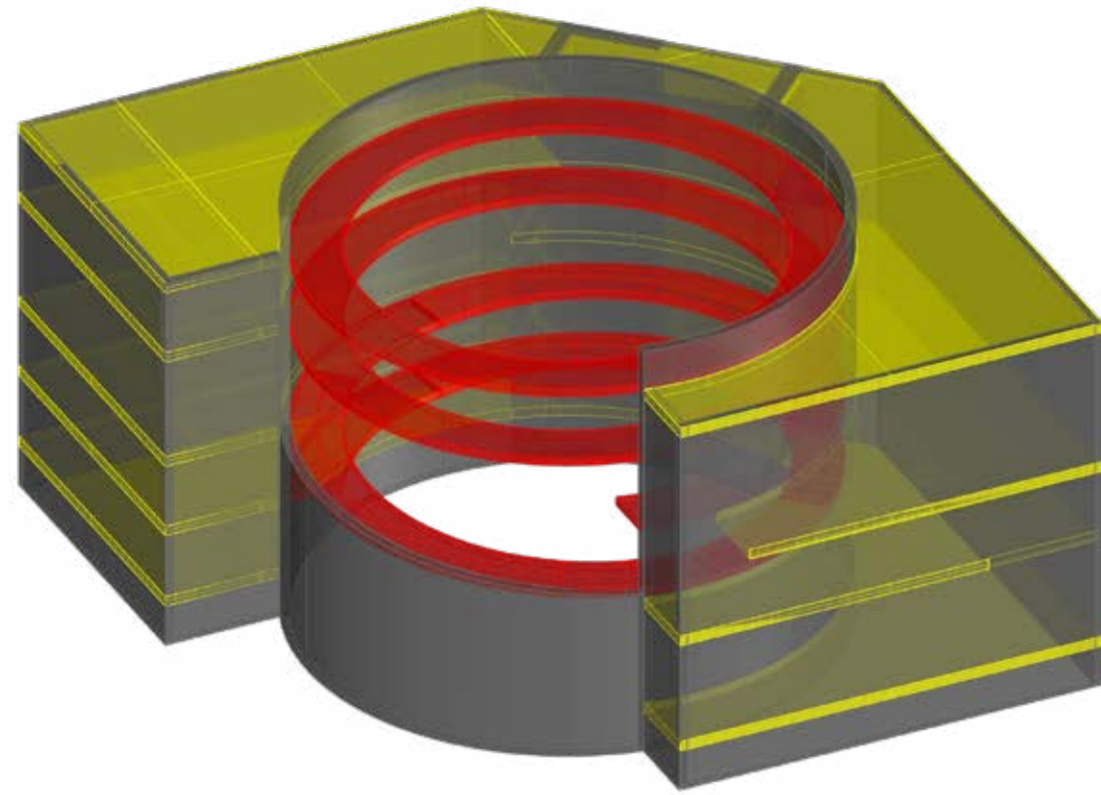


Load bearing concrete walls (300 mm)

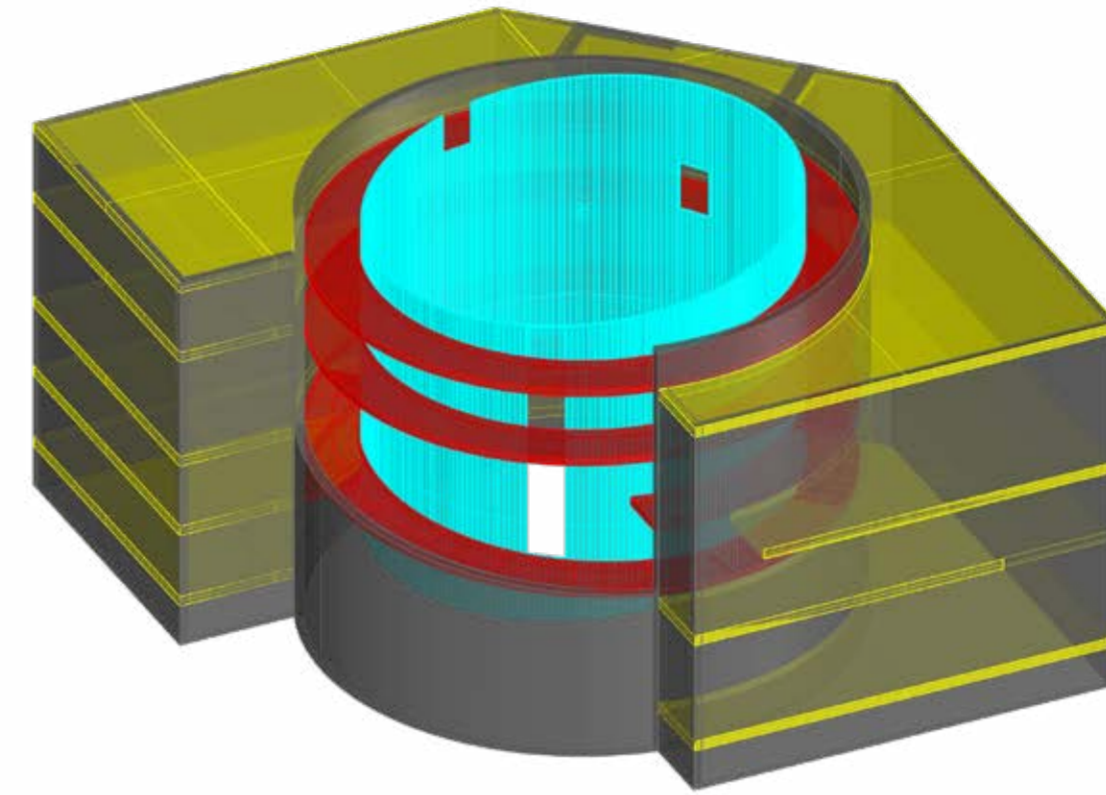


Concrete wide slab (breedplaatvloer, 400mm) stretches from load bearing walls to core

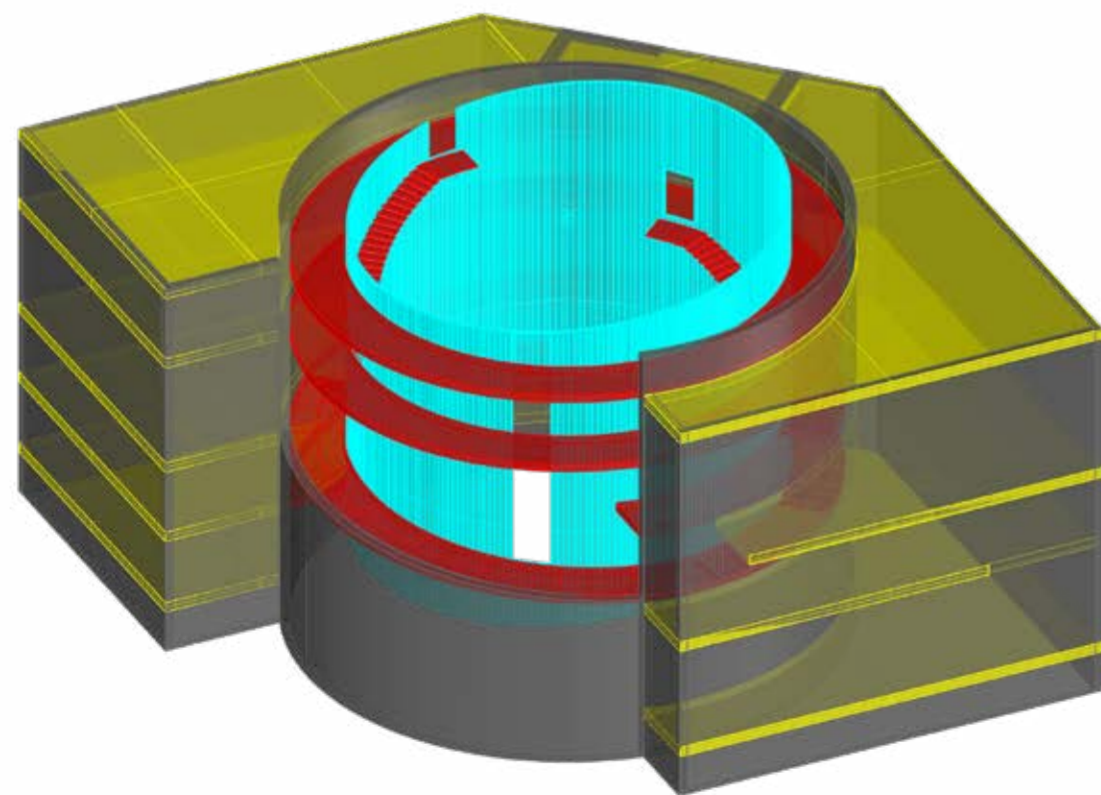




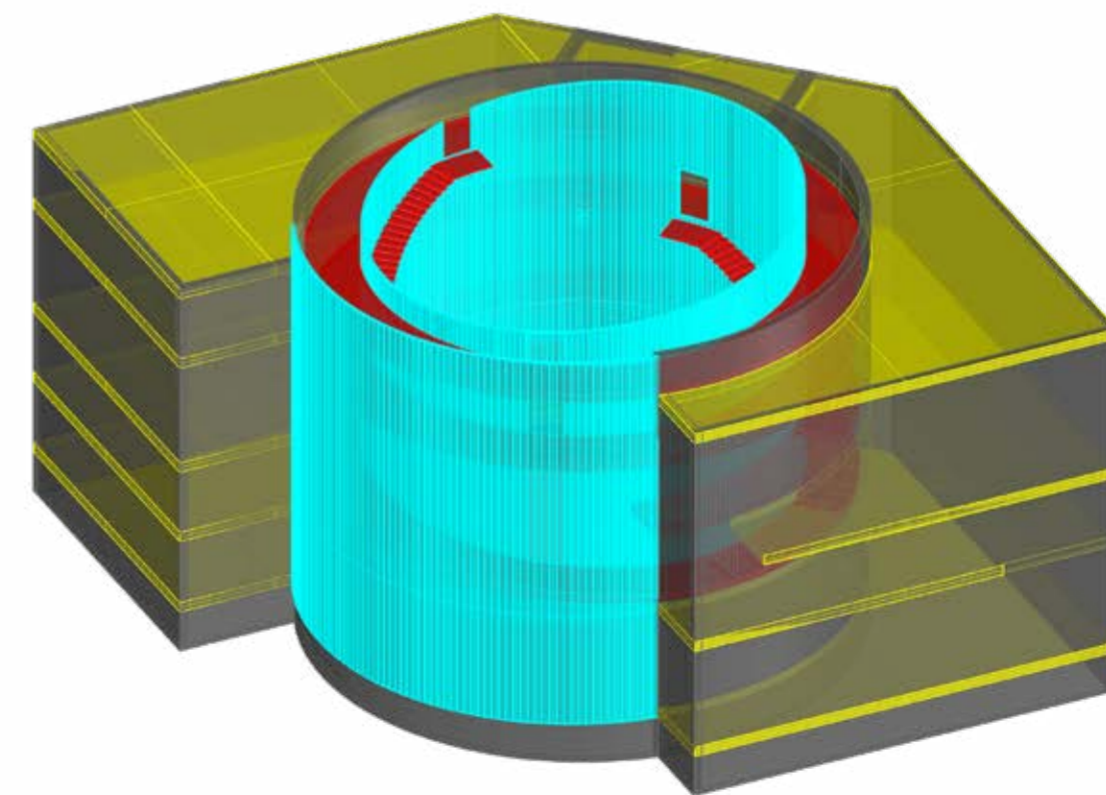
Concrete ramp (width 400 mm) hangs inside core, connected with Isokorf



UV resistant U-glass (100 mm) hangs inside core, self carrying and mounted on ramp



Light steel staircase hangs inside the U-glass void, attached to ramp



Self carrying U-glass (100mm) shields the ramp