

ENTANGLED

THE SYNESTHETIC ART MUSEUM - ROTTERDAM ZUID - TARWEWIJK



NOGENTRIFICATION

INCLUDE

ENTANGLE

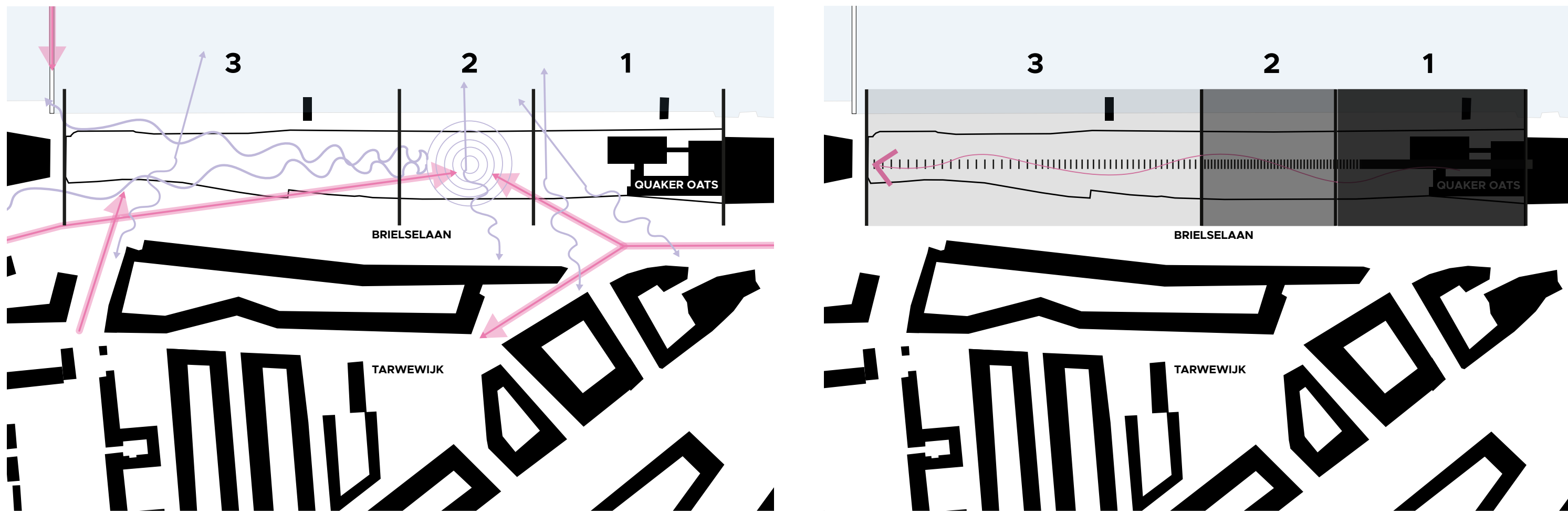
URBAN CONCEPTS ROTTERDAM-ZUID TARWEWIJK

MAINTAIN
Harbour character
Quacker Oats Complex re-use (sustainable)
Introduce waterfront to Tarwewijk

SEQUENCE
Old Quacker Oats complex
New Museum
Sound Pavilions in Park

LEADING ROUTE
From closed to open, from dark to light
Include the new Tarwewijk - Katendrecht connection
Entangle with the context

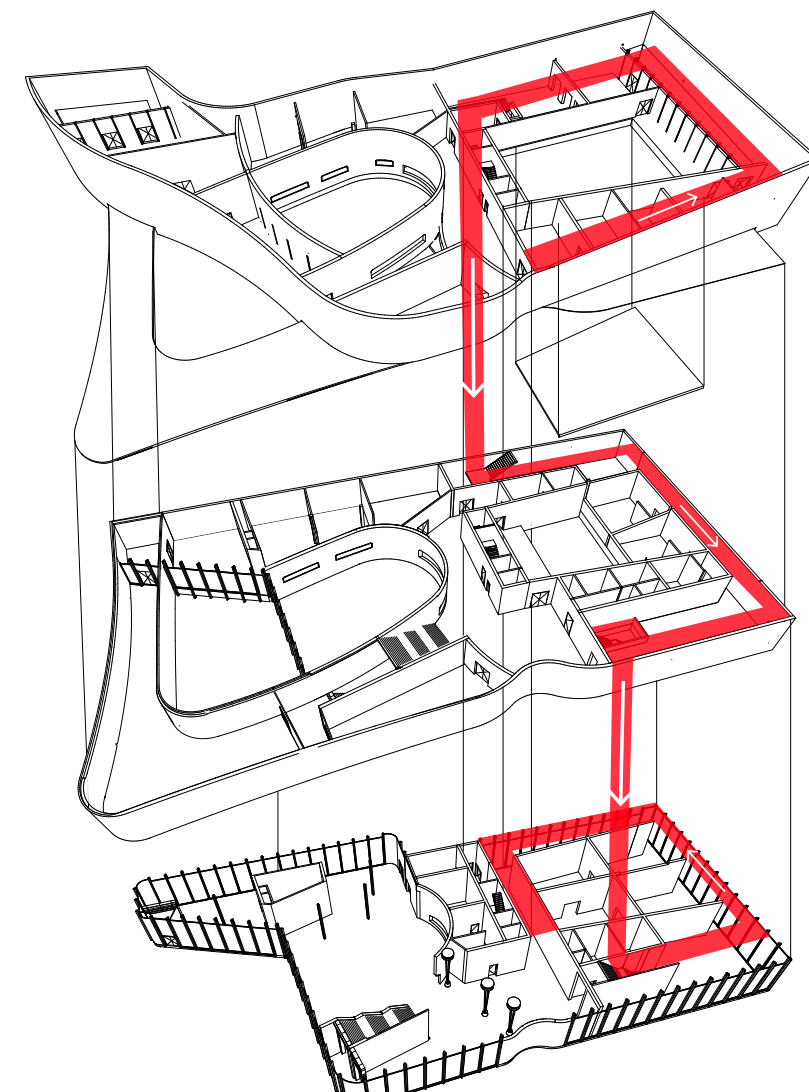
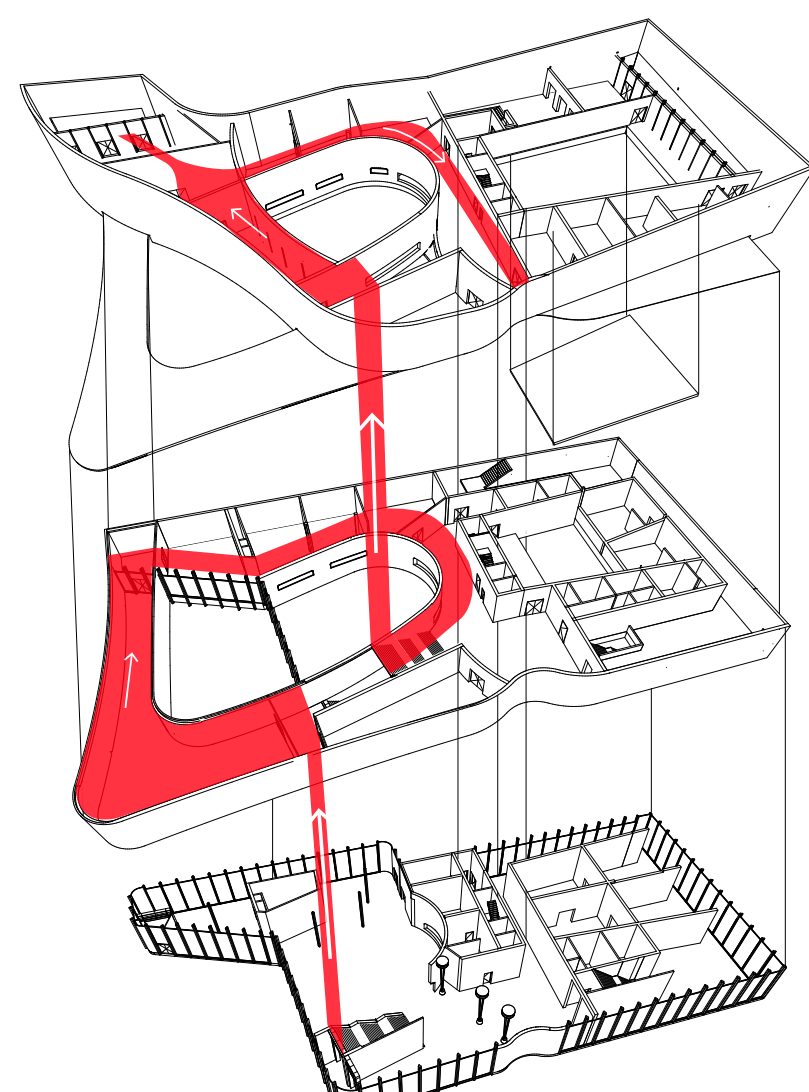
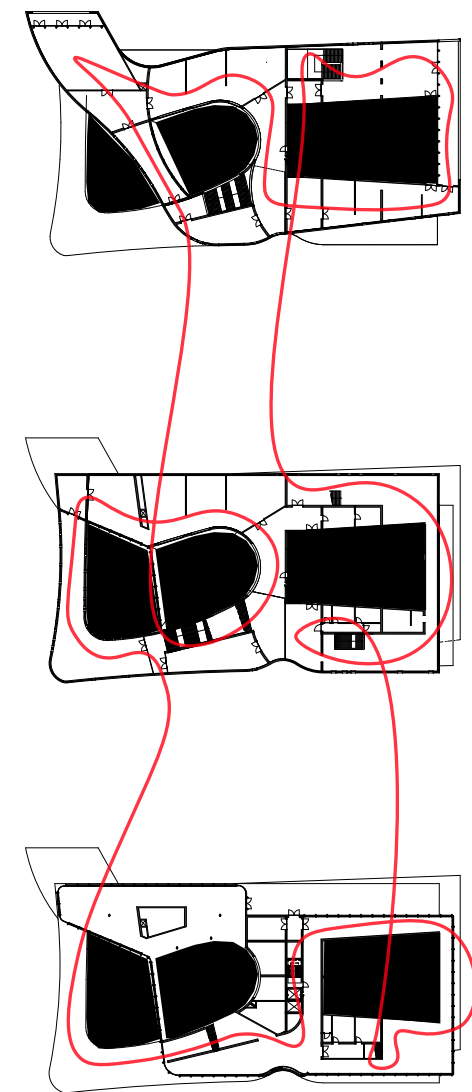
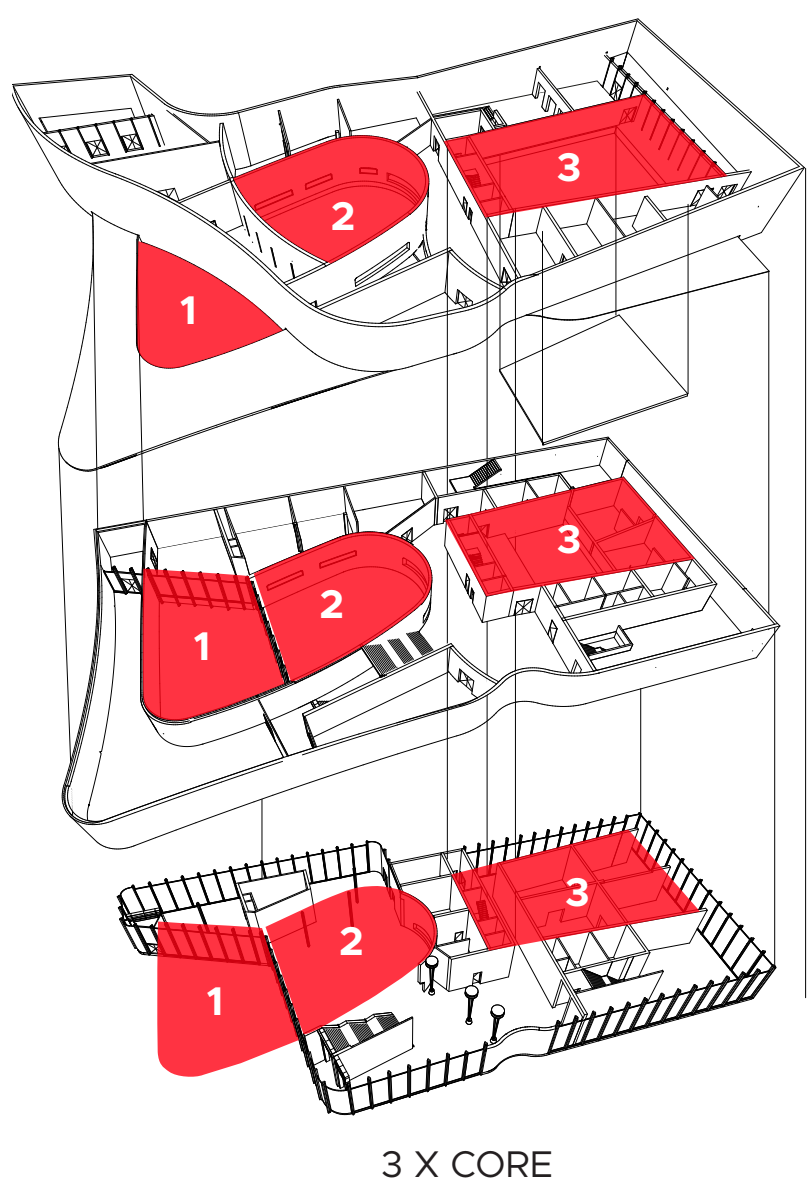
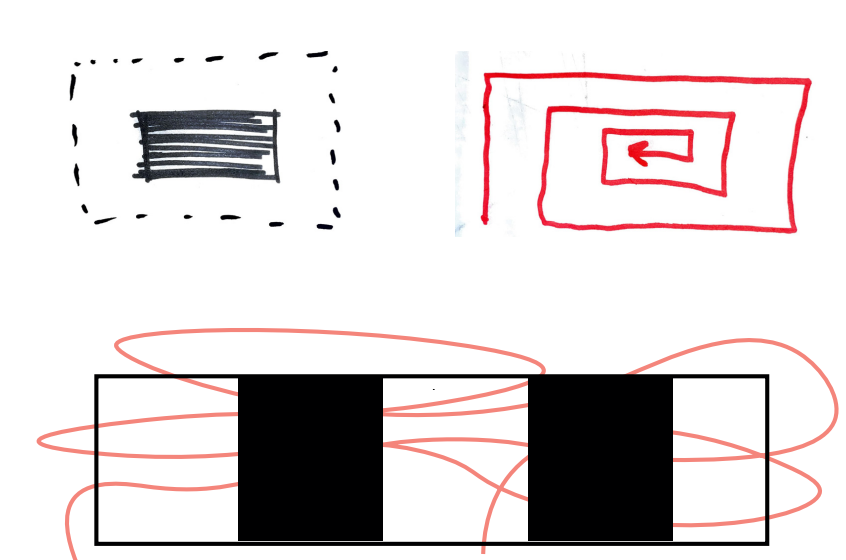
PREVENT GENTRIFICATION
Developped harbour district
nearby living area, Tarwewijk.



BUILDING CONCEPTS ARCHITECTURE

ROUTING LEADS VISITOR
Through the exhibitions
Linear route in the museum
Include visually handicapped people

ENTANGLE
Exhibition and circulation space
Functions around three cores

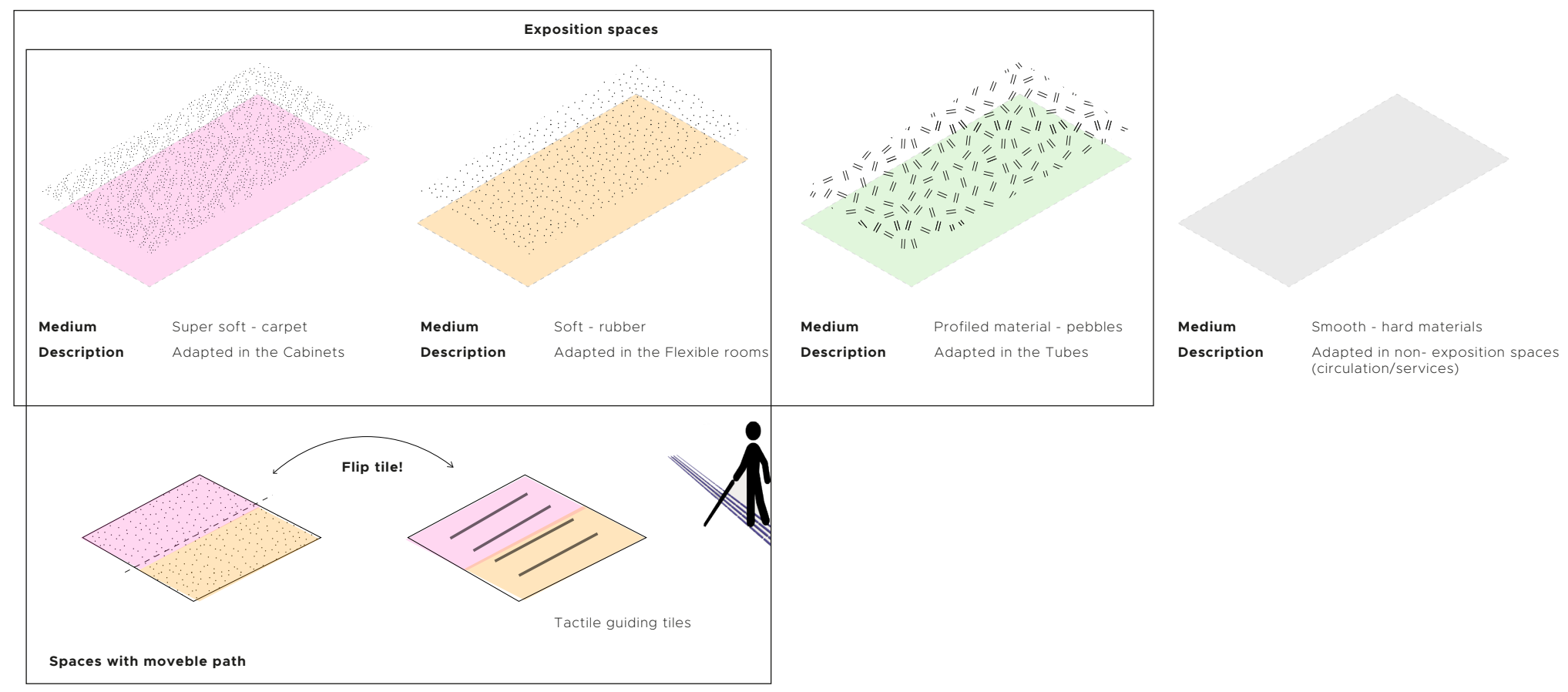
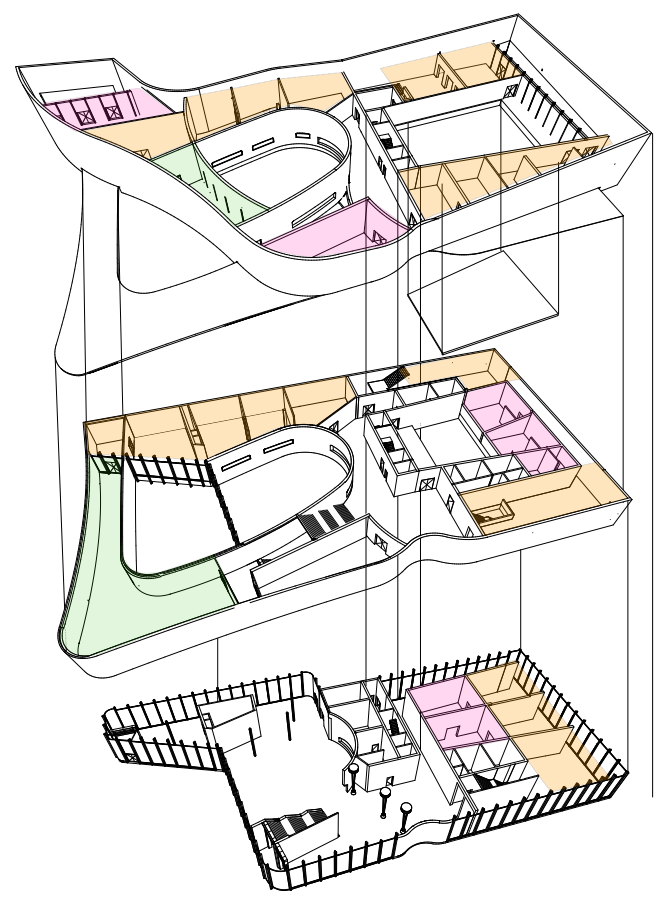


3 X CORE

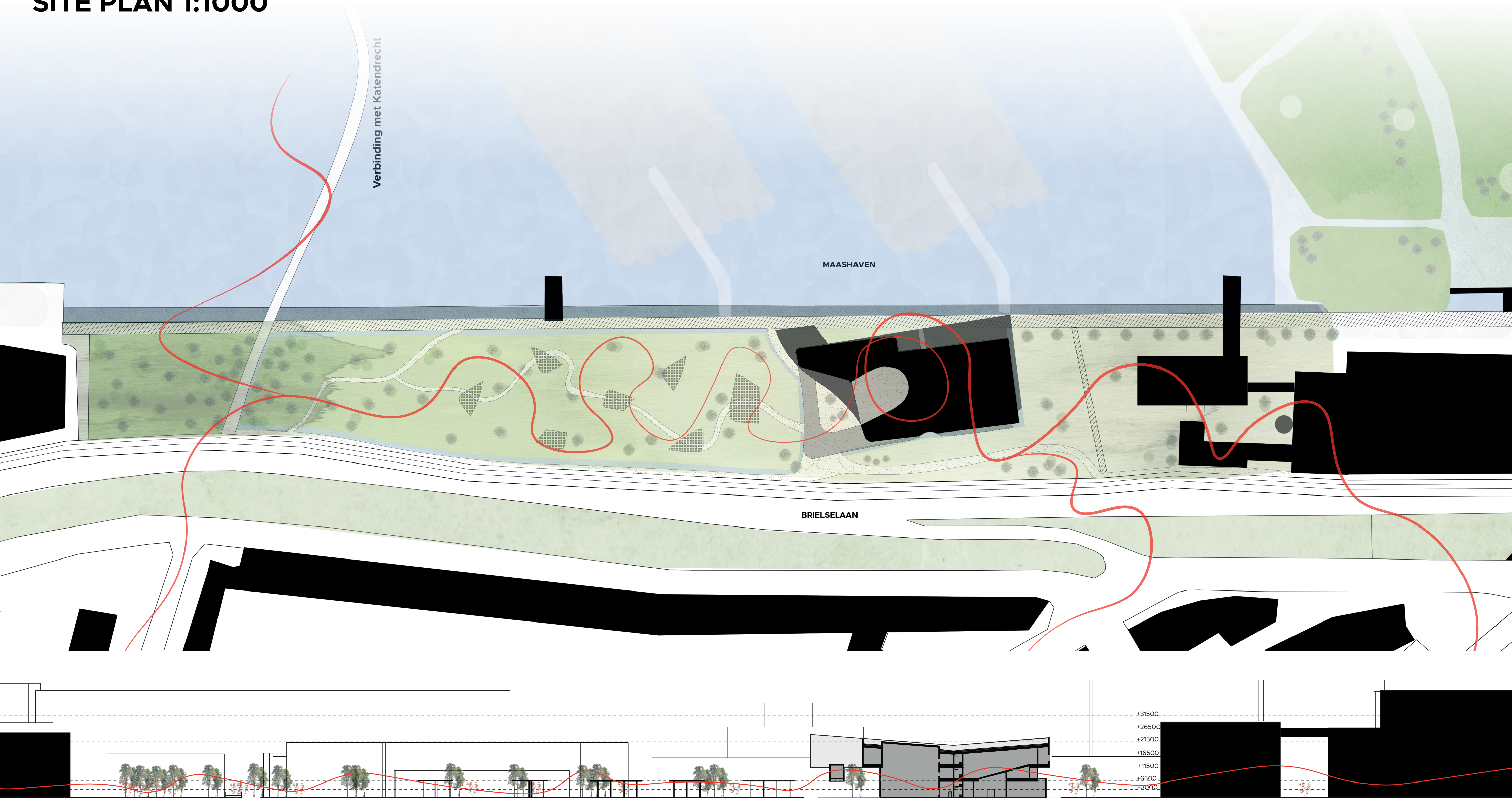
WAY UP!

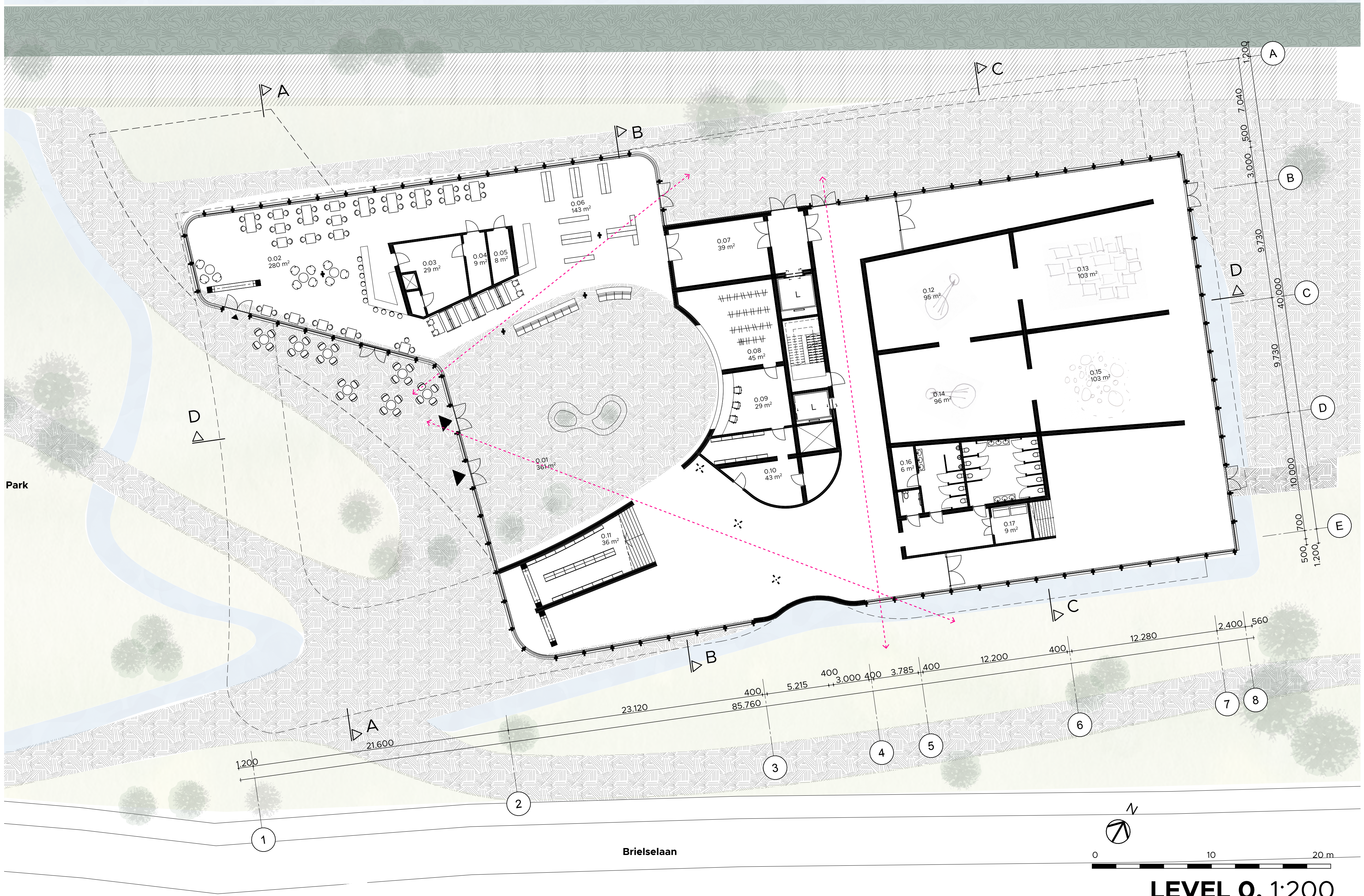
WAY DOWN!

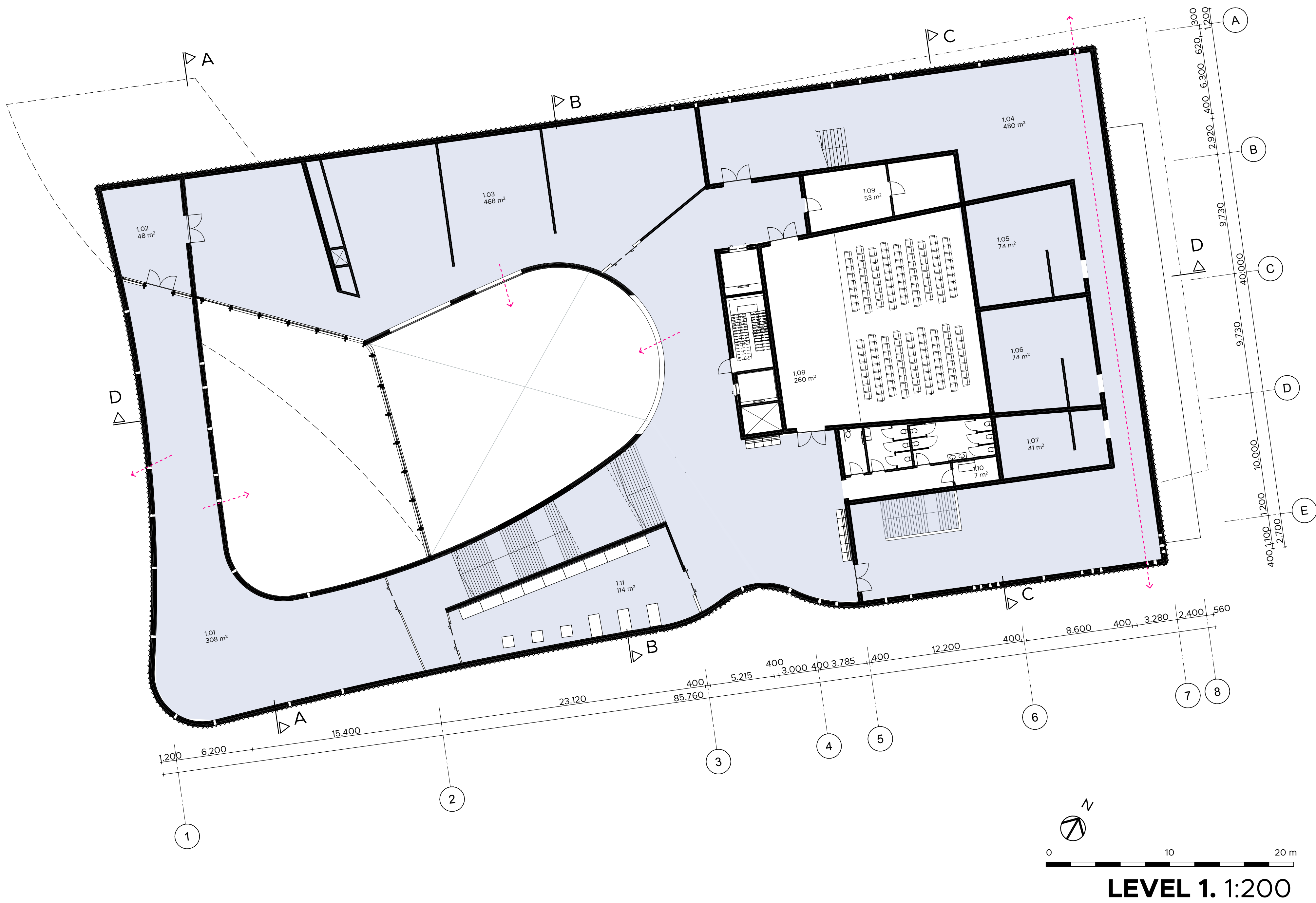
EXHIBITION SPACES A, B & C
A. The Tubes
B. The Flexible's
C. The Cabinets



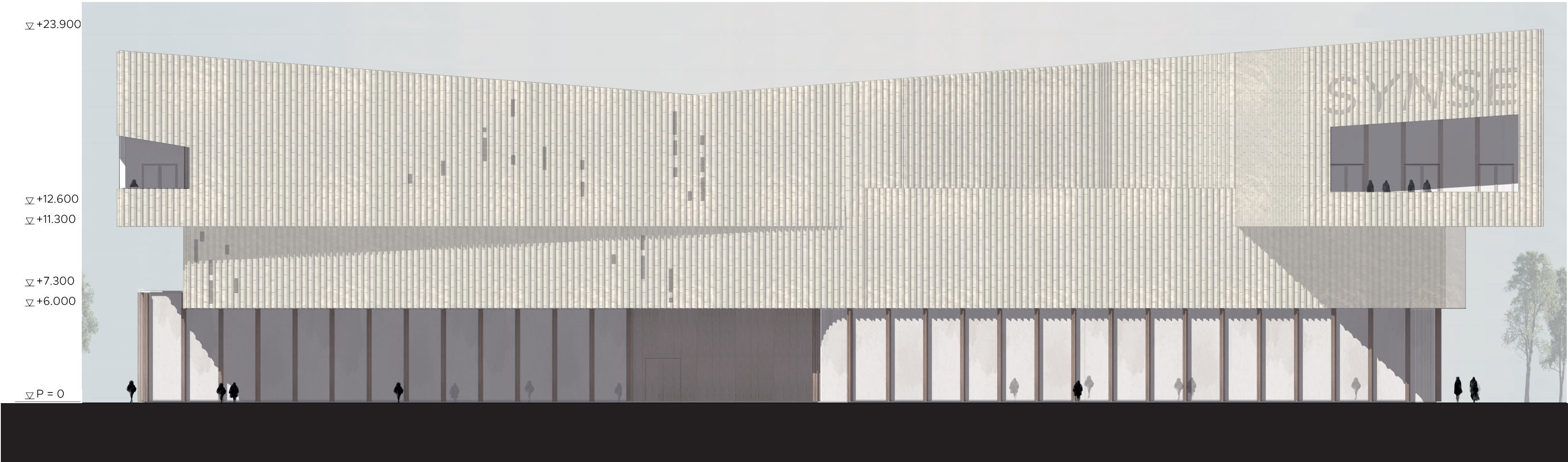
SITE PLAN 1:1000





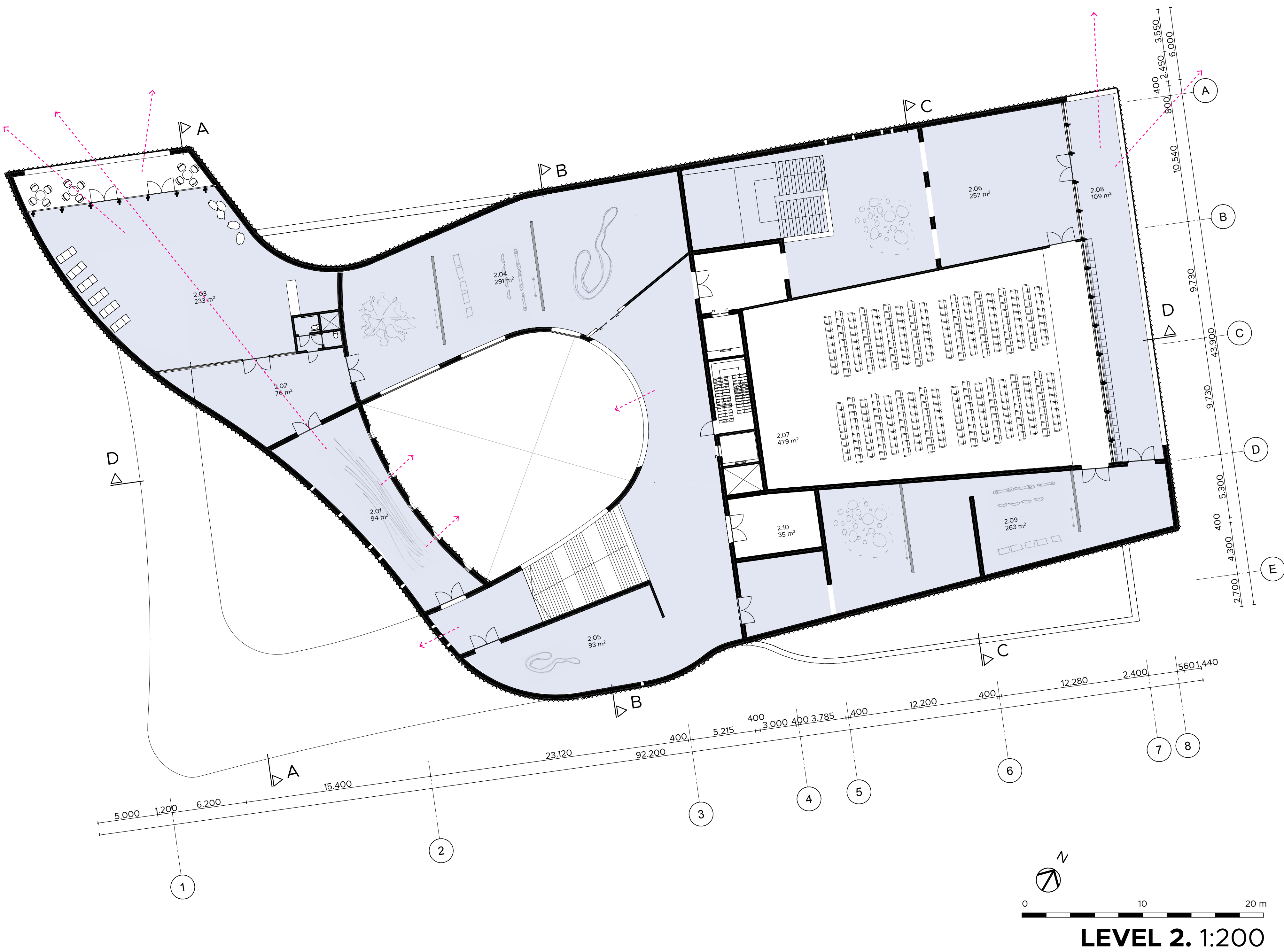


ELEVATION **MAASHAVEN**



ELEVATION **BRIELSELAAN**





ELEVATION **PATIO**



FUNCTION	m²
0.01 Entrance hall	361
0.02 Cafe	280
0.03 Kitchen	29
0.04 Kitchen services	9
0.05 Kitchen services – changing room	8
0.06 Retail	143
0.07 Storage	39
0.08 Cloakroom	45
0.09 Tickets	29
0.10 Service staff, first aid	43
0.11 Locker room	36
0.12 Exhibition	95
0.13 Exhibition	103
0.14 Exhibition	96
0.15 Exhibition	103
0.16 Service	6
0.17 Service, waste bins	9
0.18 Exhibition Toilets	130

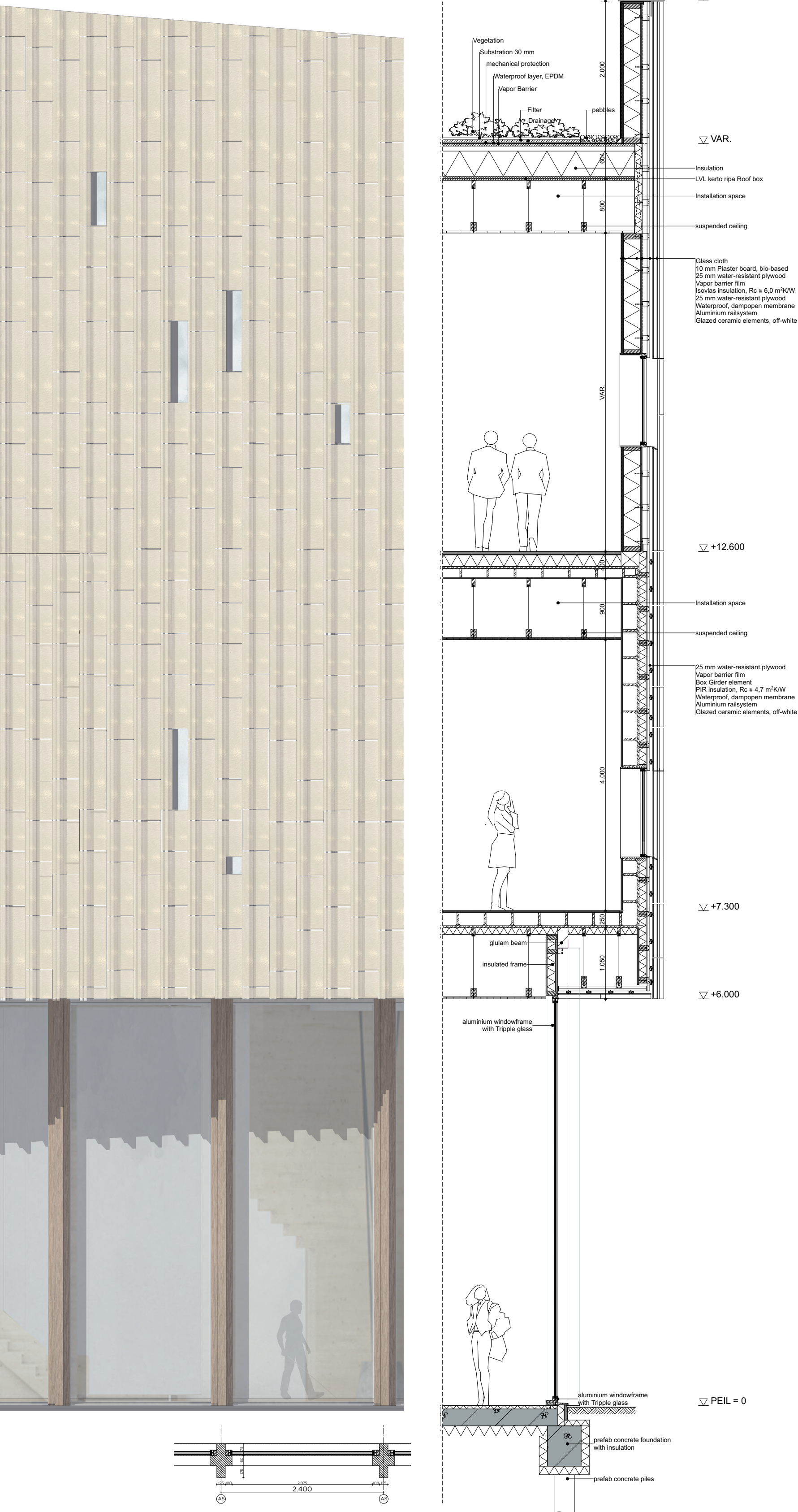
ELEVATION **QUAKER OATS**



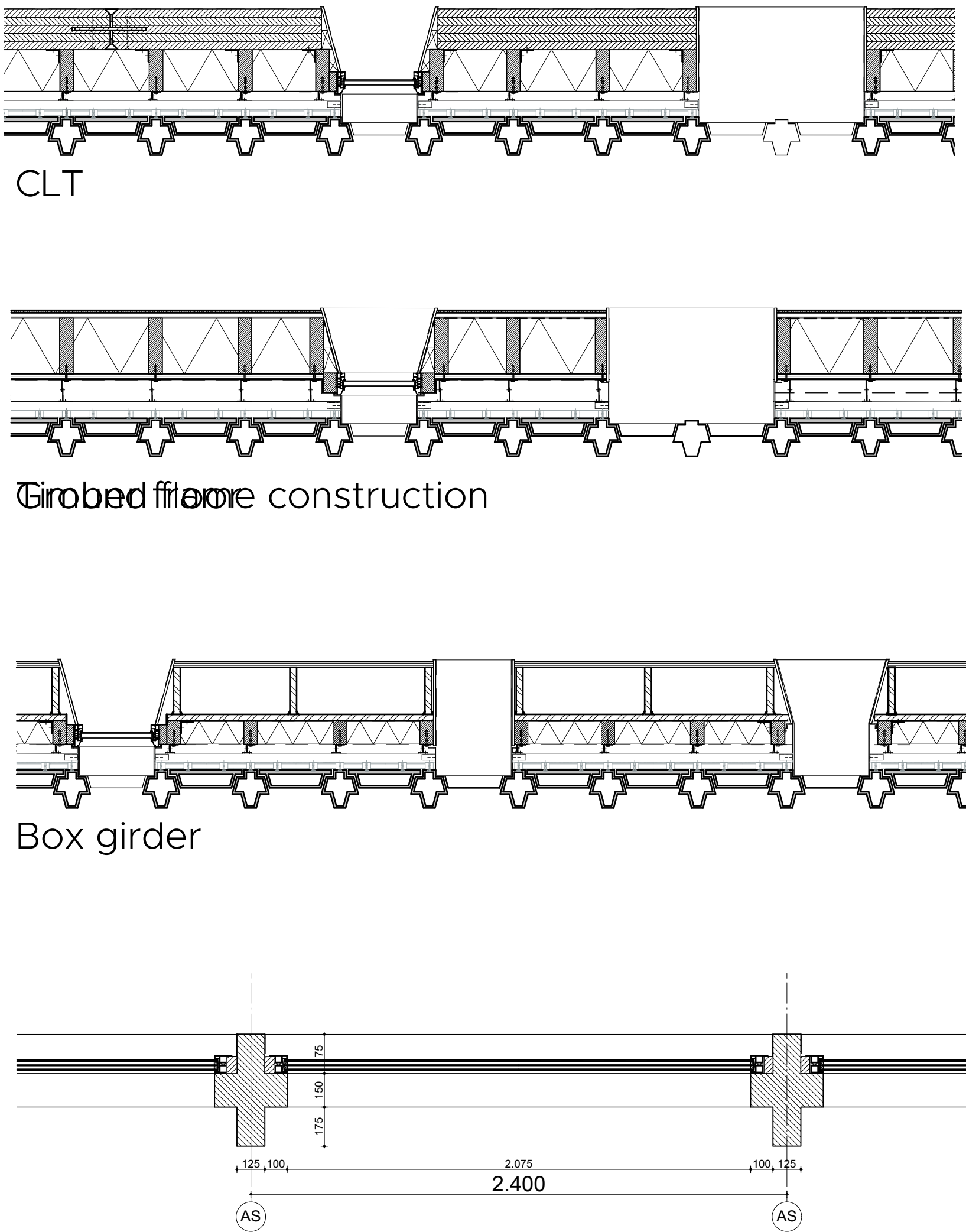
FUNCTION	m2
1.01 Exposition	361
1.02 Exposition	280
1.03 Exposition	29
1.04 Exposition	480
1.05 Exposition	74
1.06 Exposition	74
1.07 Exposition	41
1.08 Multifunctional Hall	479
1.09 Service, storage	53
1.10 Service, waste bins	7
1.11 Flexible workshop space Toilets	114

FUNCTION	m2
2.01 Exposition	94
2.02 Exposition	76
2.03 Recovery exposition , cafe	233
2.04 Exposition	93
2.05 Exposition	74
2.06 Exposition	257
2.07 Multifunctional Hall	479
2.08 Balcony	109
2.09 Exposition	263
2.10 Service Toilets	35

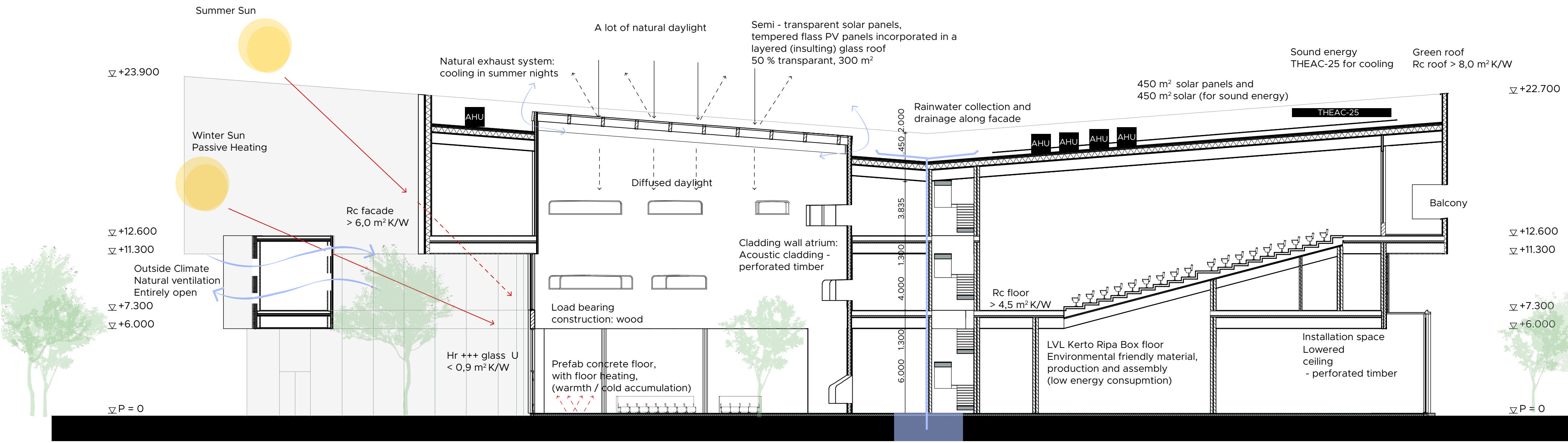
ELEVATION **FRAGMENT 1:50**



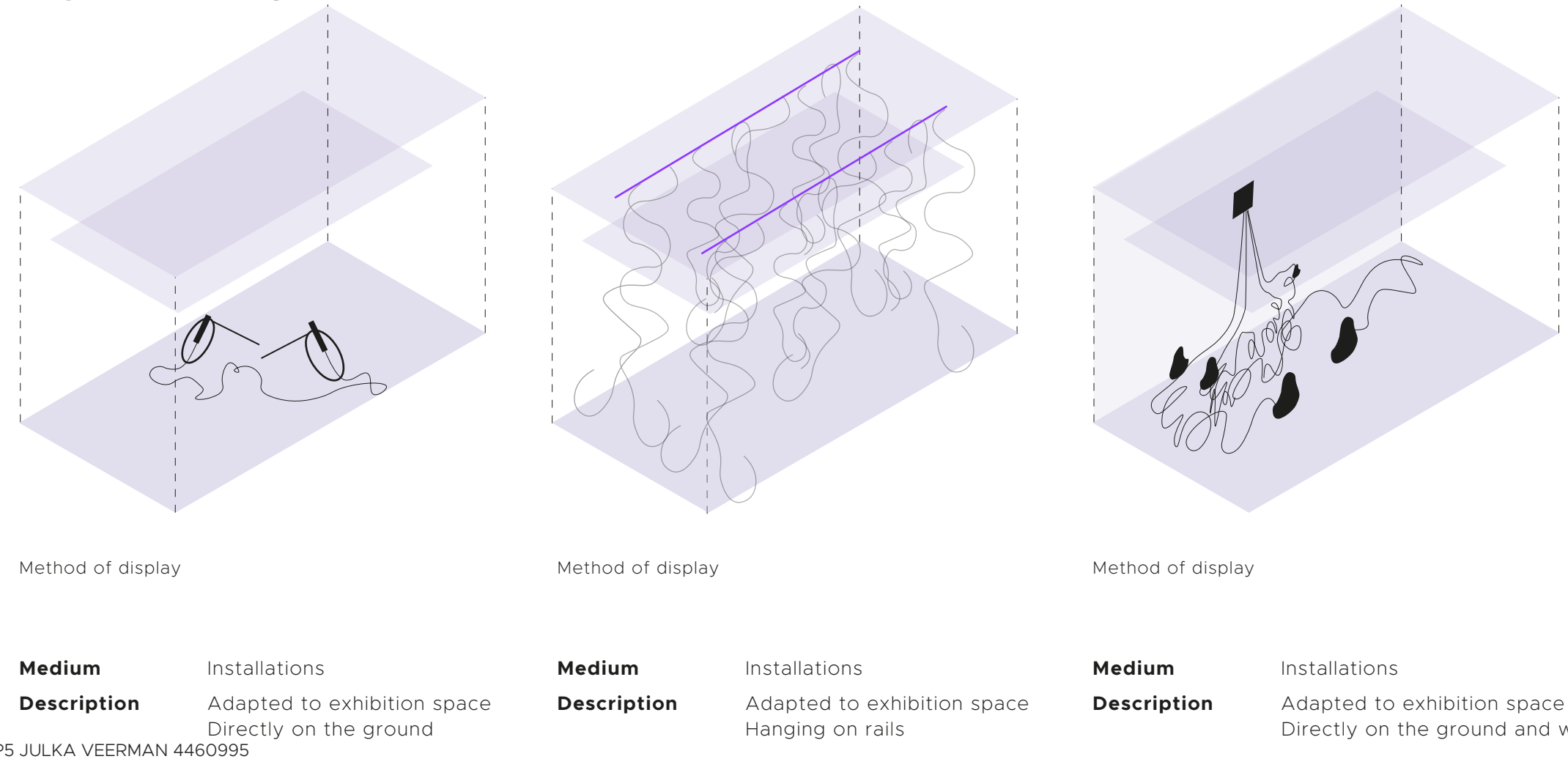
HORIZONTAL SECTIONS 1:5



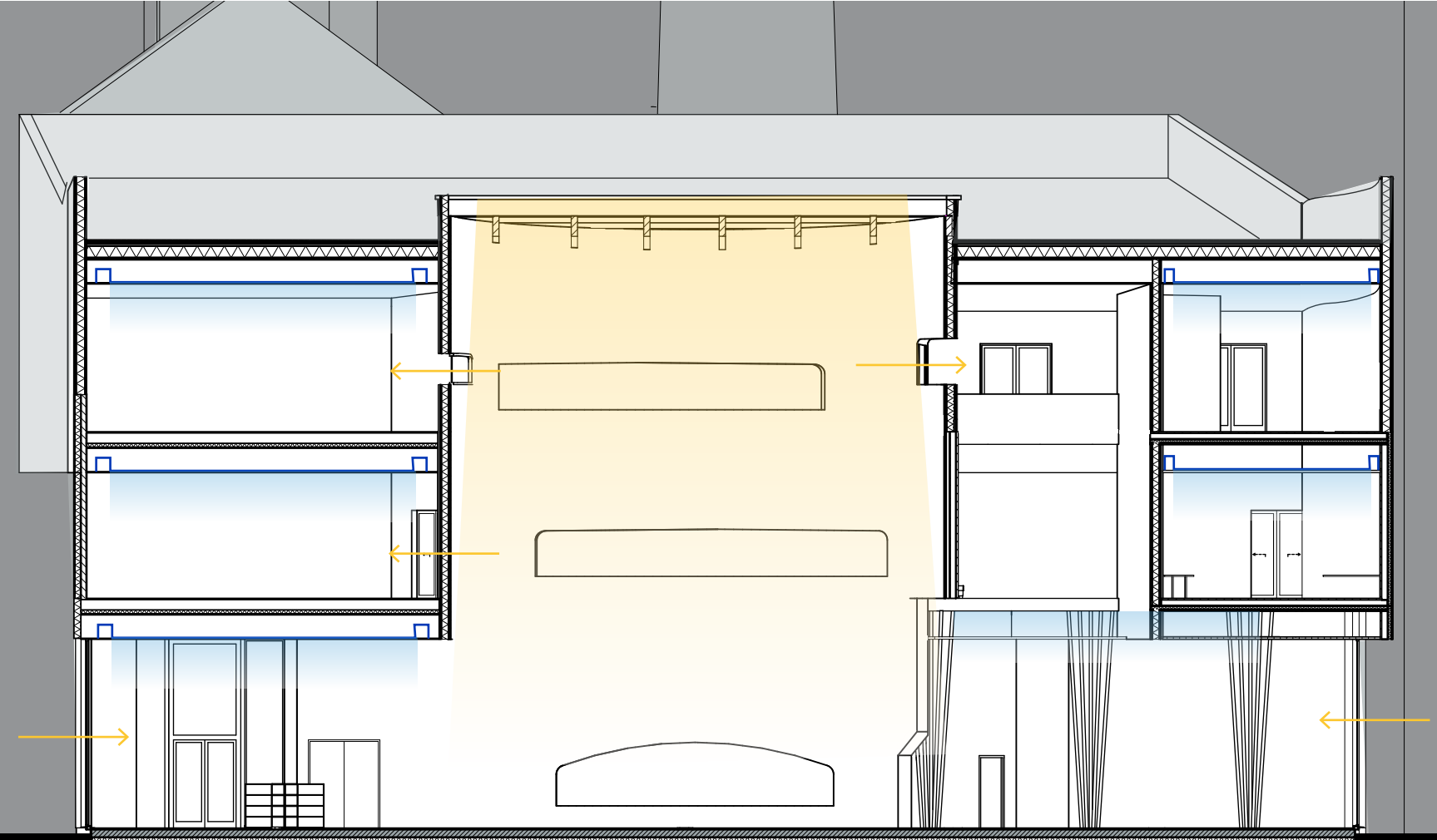
SECTION **CLIMATE CONCEPT 1:200**



DISPLAY OF ART



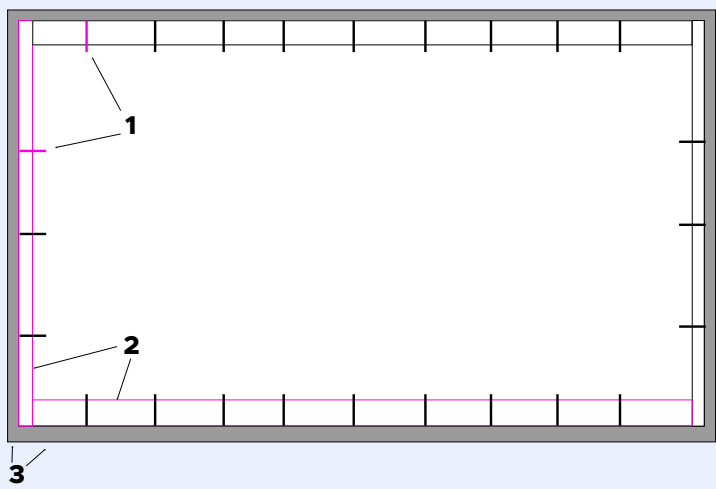
LIGHTNING



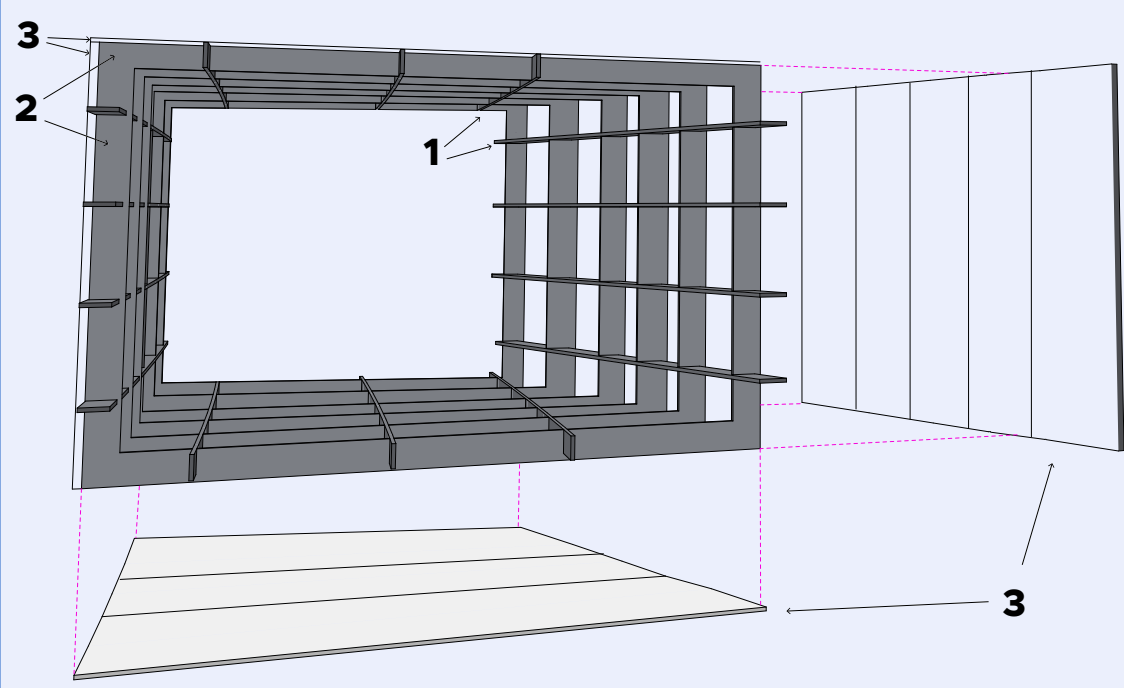
STRUCTURE

BOX GIRDER

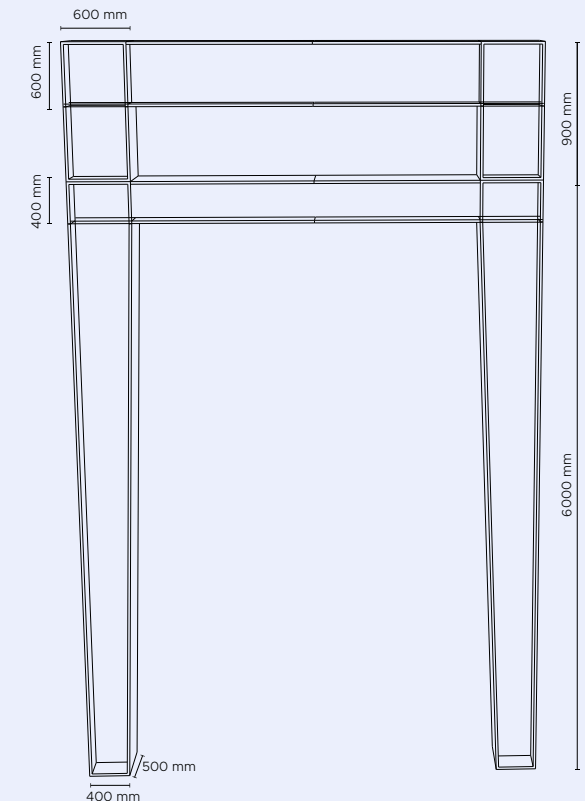
THE TUBE



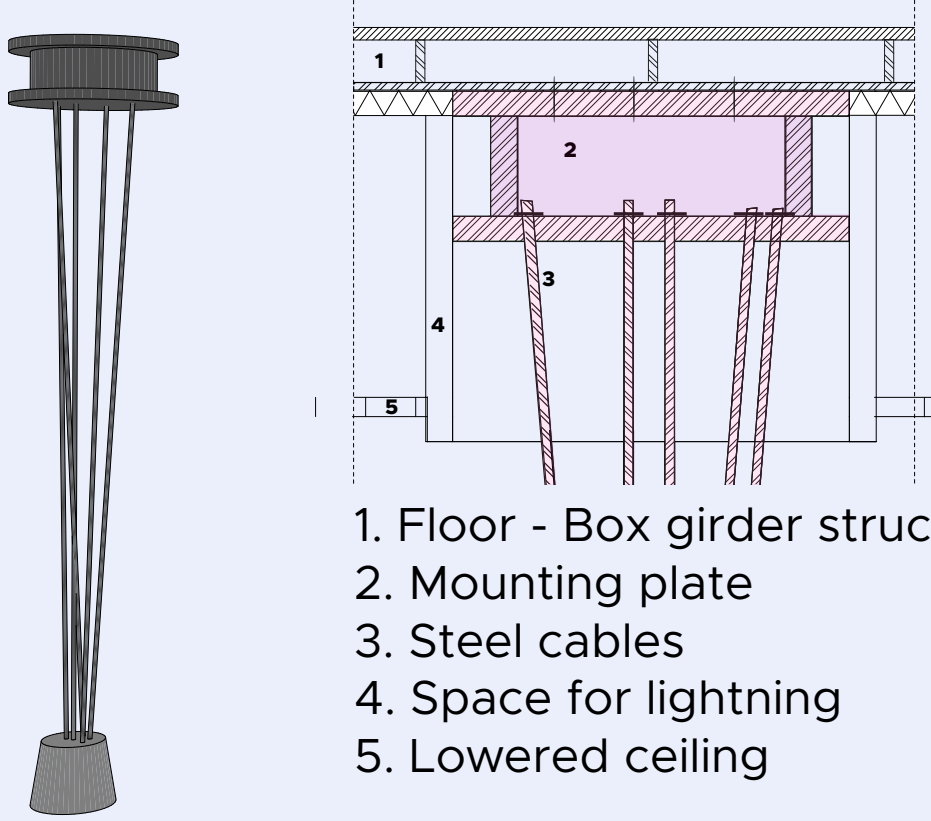
1. Longitudinal stiffeners
2. Transverse stiffeners
3. Steel plates



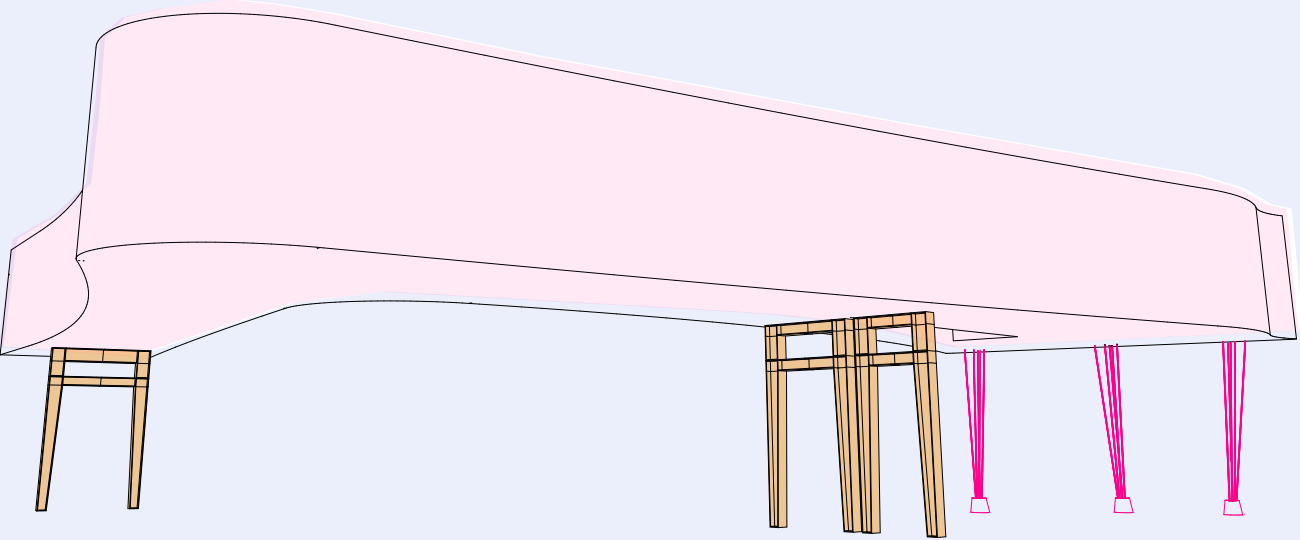
STRUCTURAL PORTAL material : cortensteel



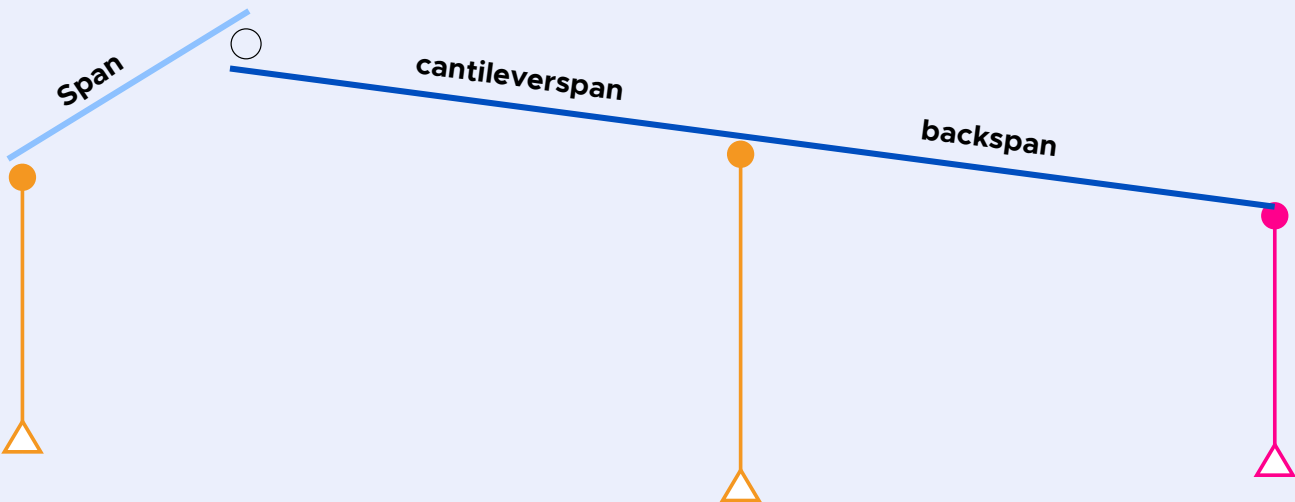
STEEL CABLES FOR TENSILE FORCE



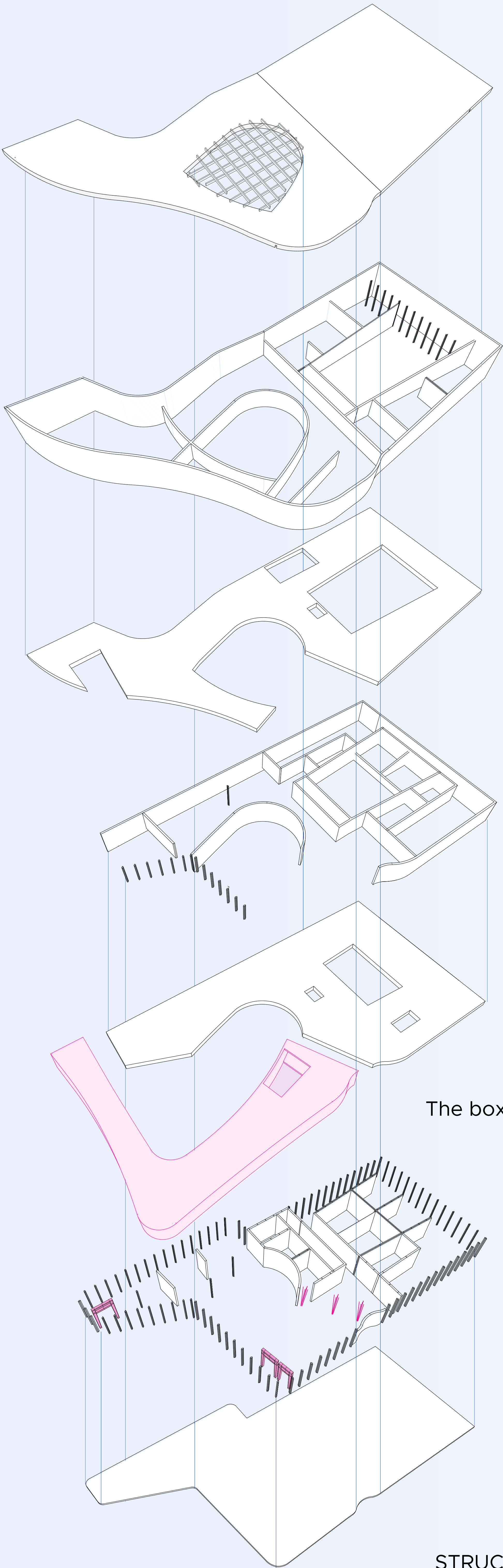
1. Floor - Box girder structure
2. Mounting plate
3. Steel cables
4. Space for lightning
5. Lowered ceiling



TUBE supported by steel portals and cables



structural scheme spans



3. Roof

- LVL kerto ripa box
- Glulam Beams with semi-transparent PV panels

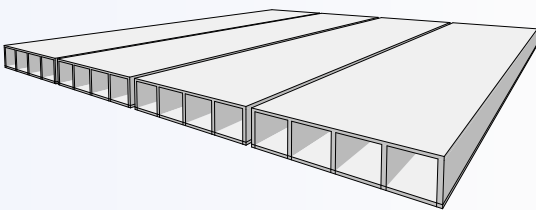
Demontable walls
CLT and Timberframe
construction

2. Second floor

- LVL Kerto Ripa box

Demontable walls
CLT and Timberframe
construction

1. First floor



- LVL Kerto Ripa box
- width 2400
- max span. 11.35 m

The box girder

- Cross columns glulam
along facade
- structural

0. Ground floor

- prefab hollow core slab

STRUCTURAL ELEMENTS