

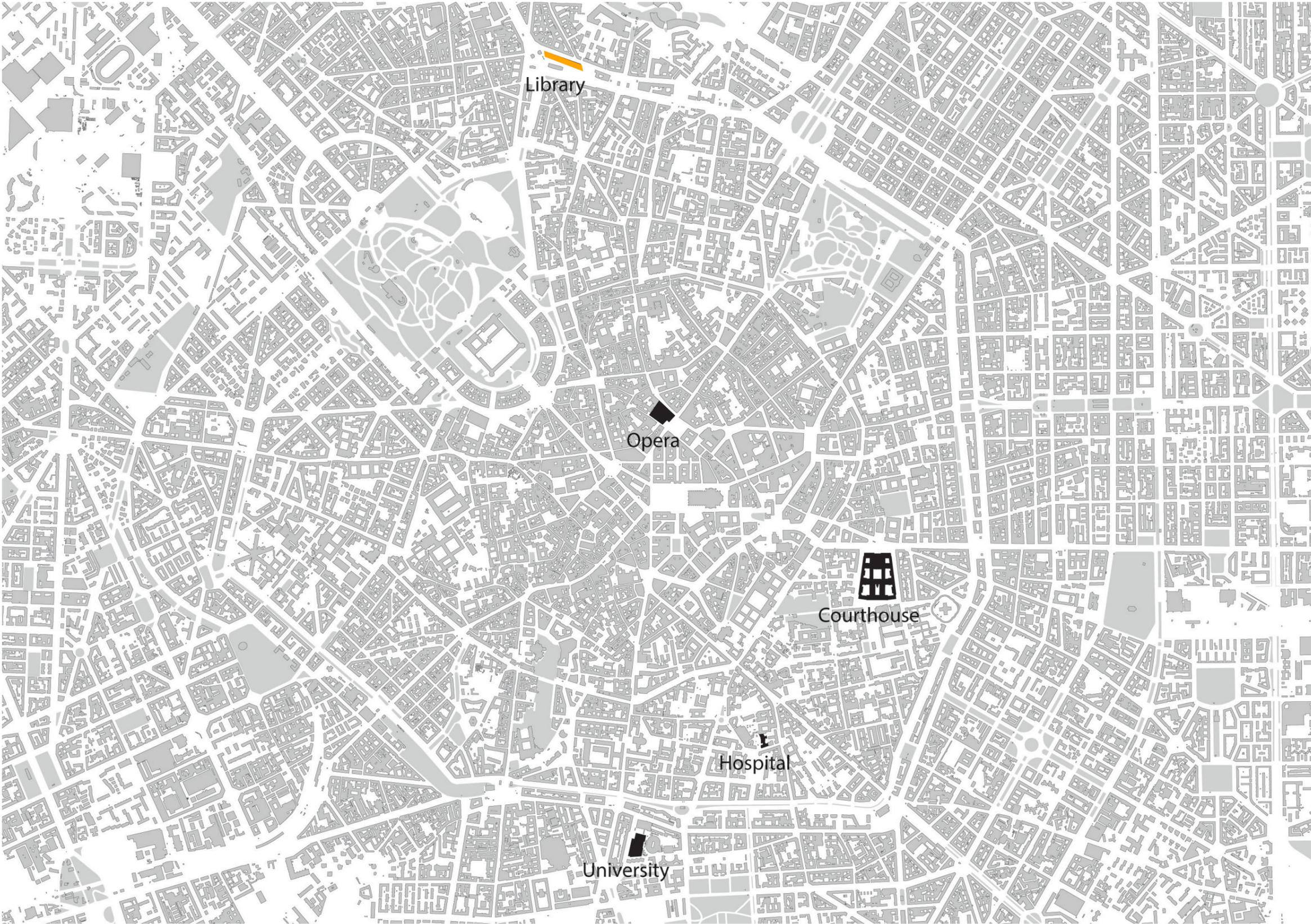
POCKETS OF EXCHANGE

Tara Meuleman



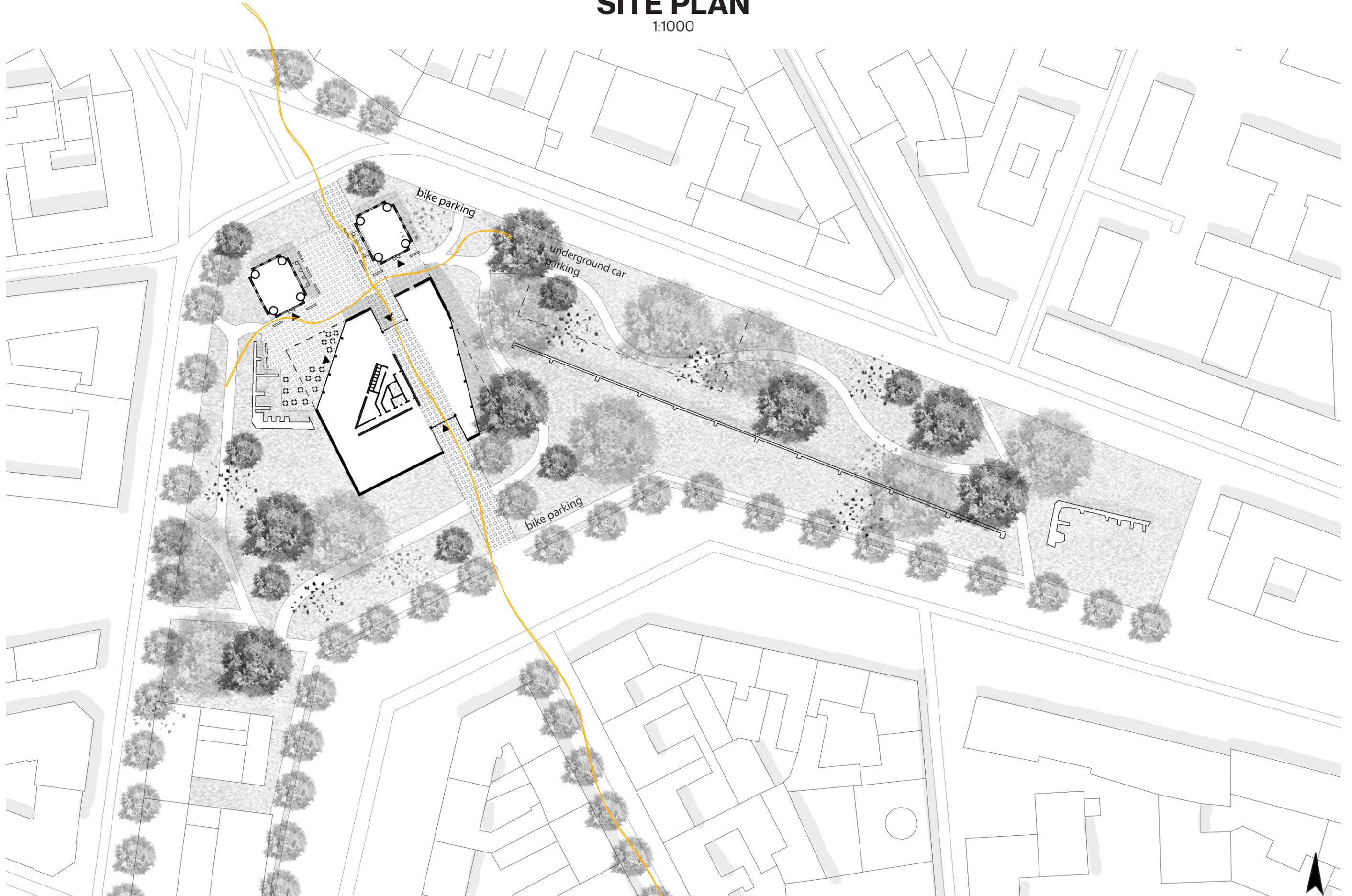
SITE PLAN

1:10.000



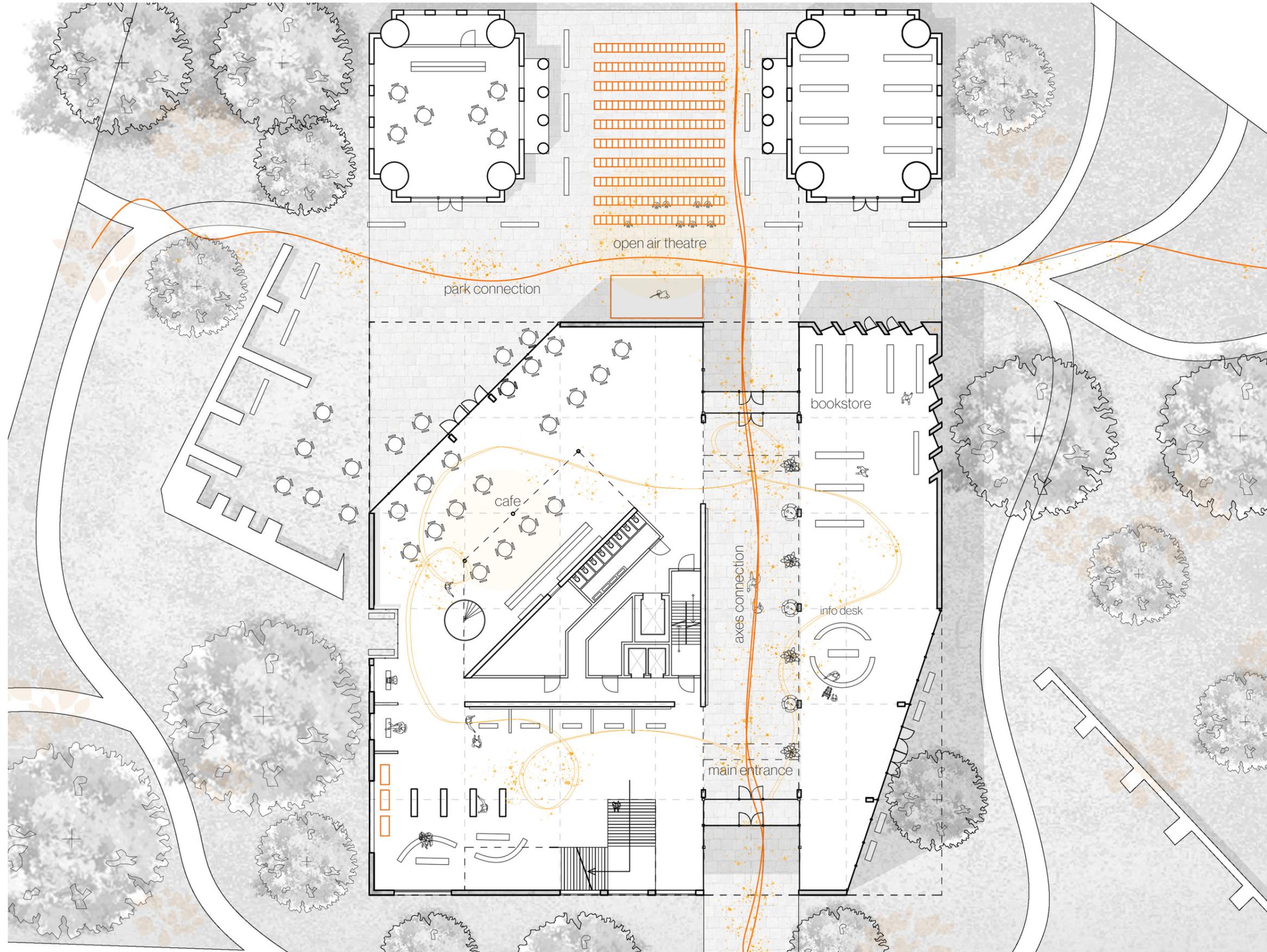
SITE PLAN

1:1000



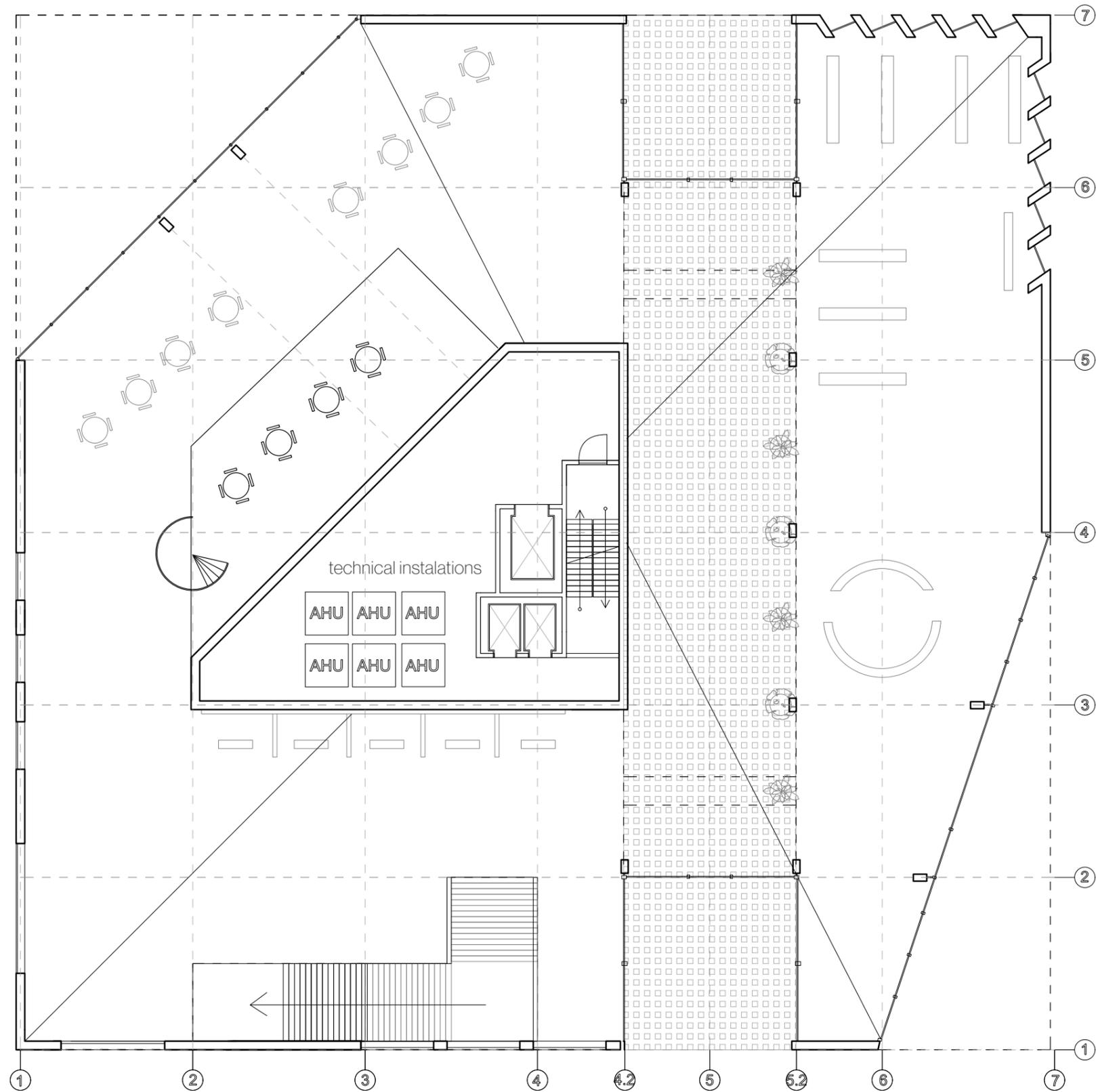
FLOORPLAN GF

1:200



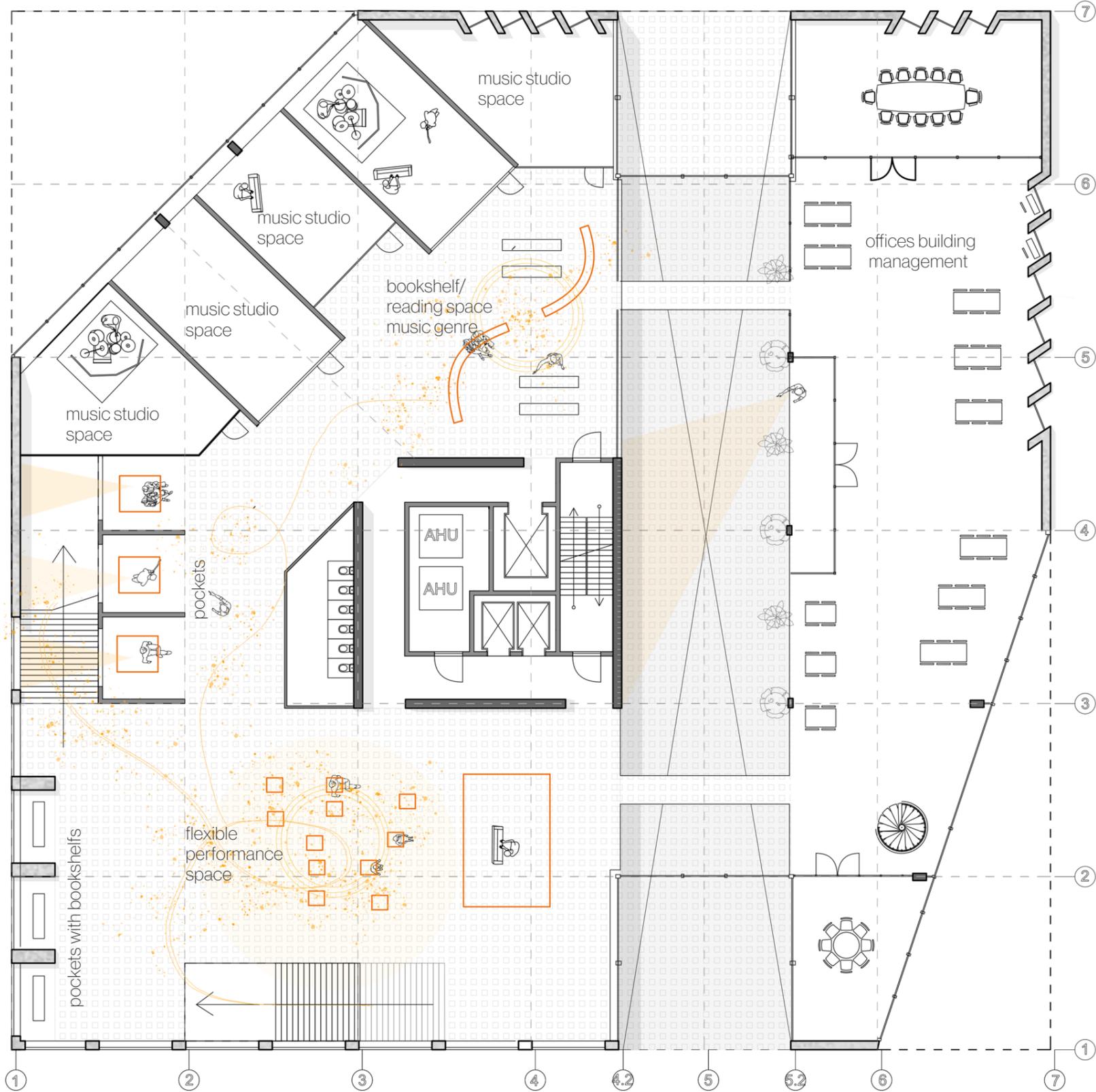
FLOORPLAN 1st

1:200
technical installations



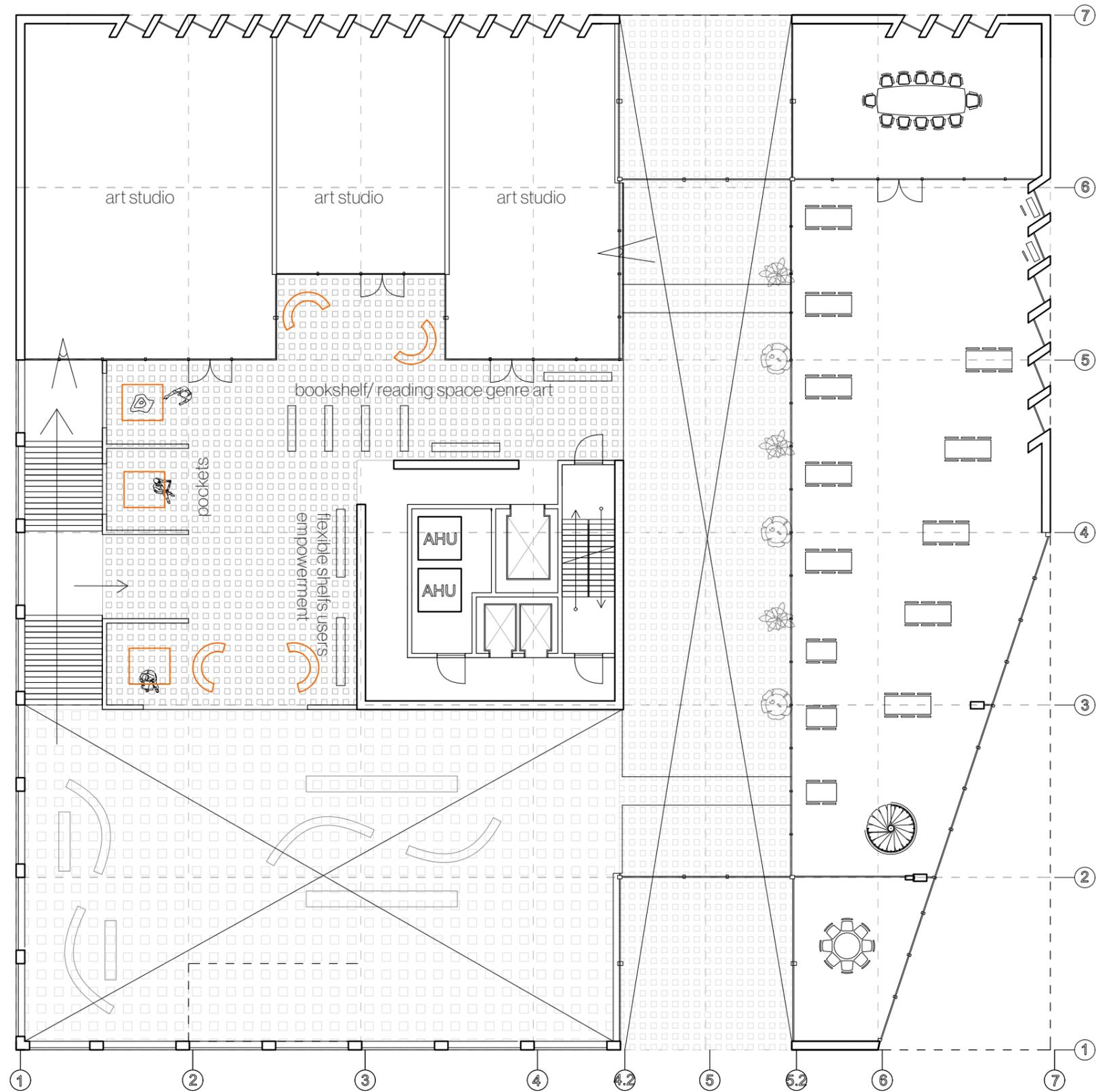
FLOORPLAN 2nd

1:200
Musica floor



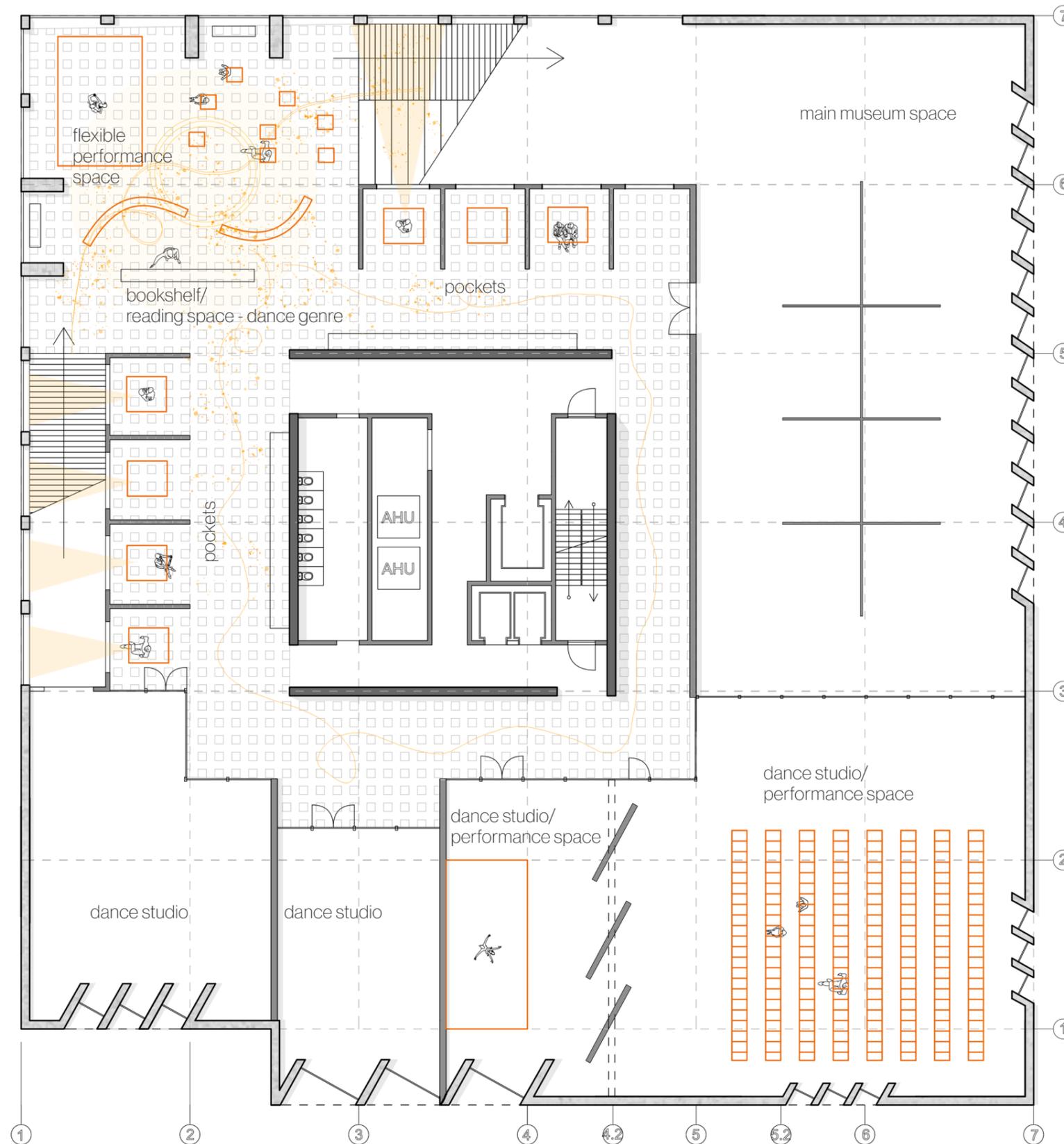
FLOORPLAN 3th

1:200
arte floor



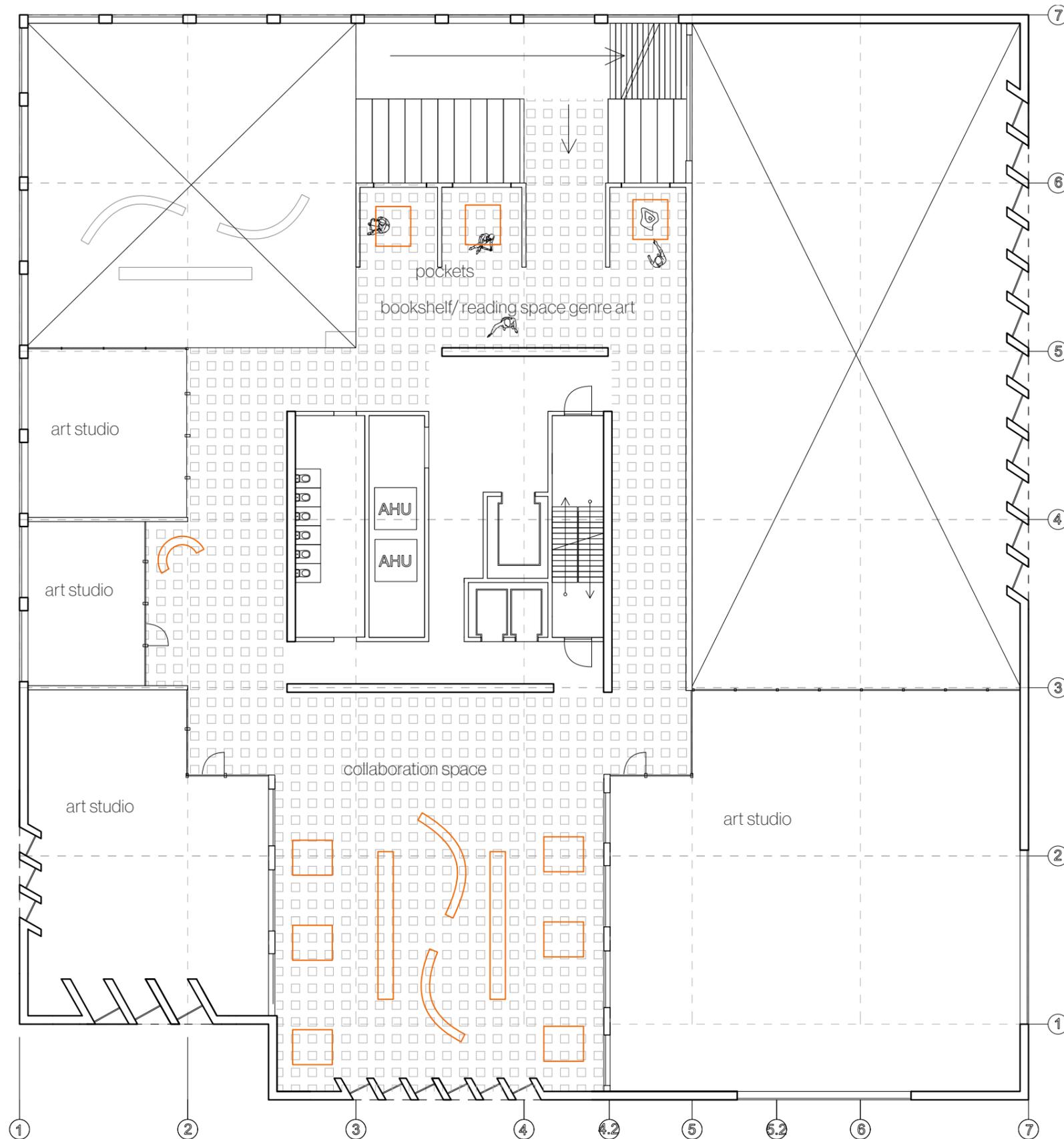
FLOORPLAN 4th

1:200
danza & museo floor



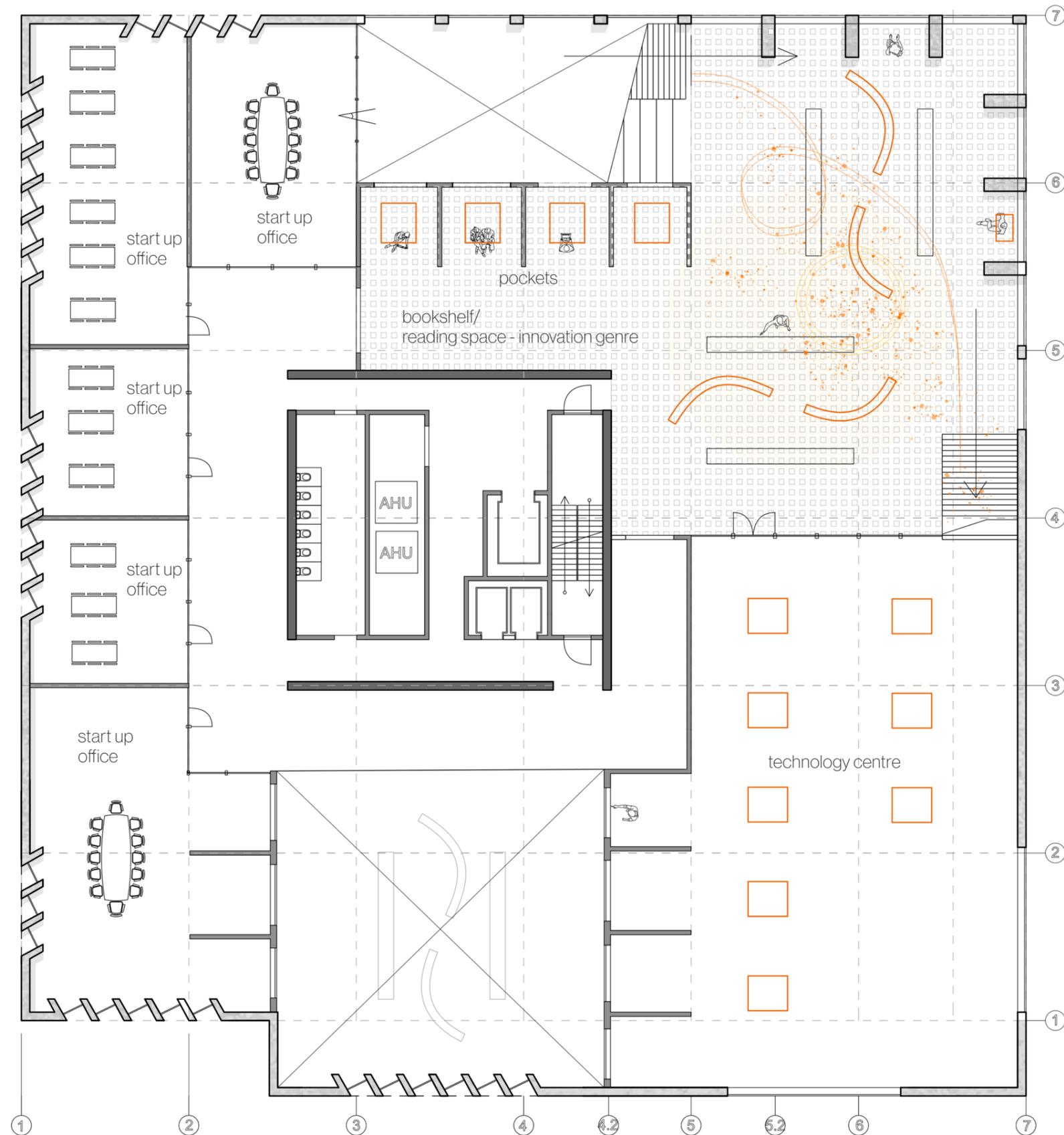
FLOORPLAN 5th

1:200
arte floor



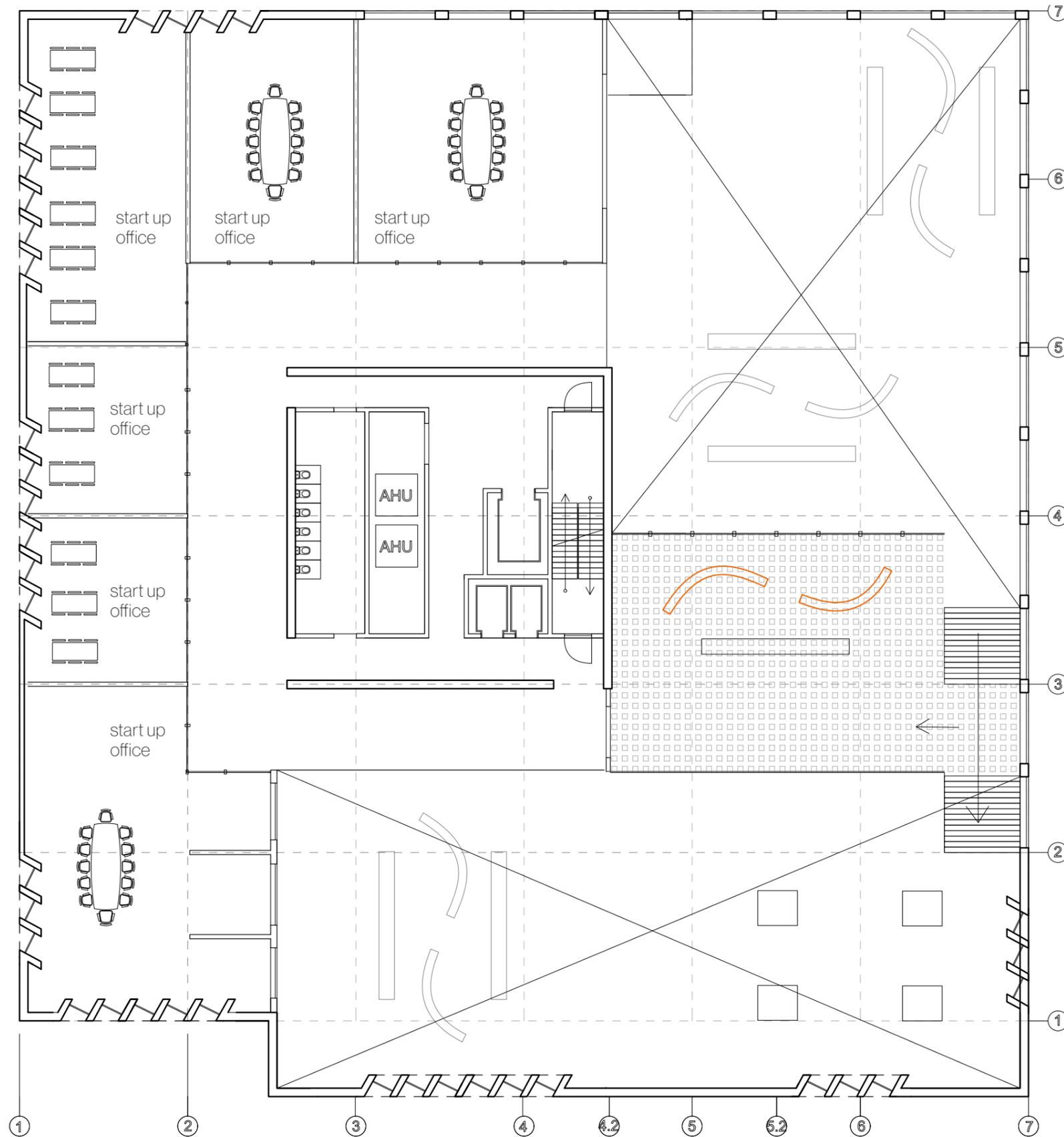
FLOORPLAN 6th

1:200
innovazione floor



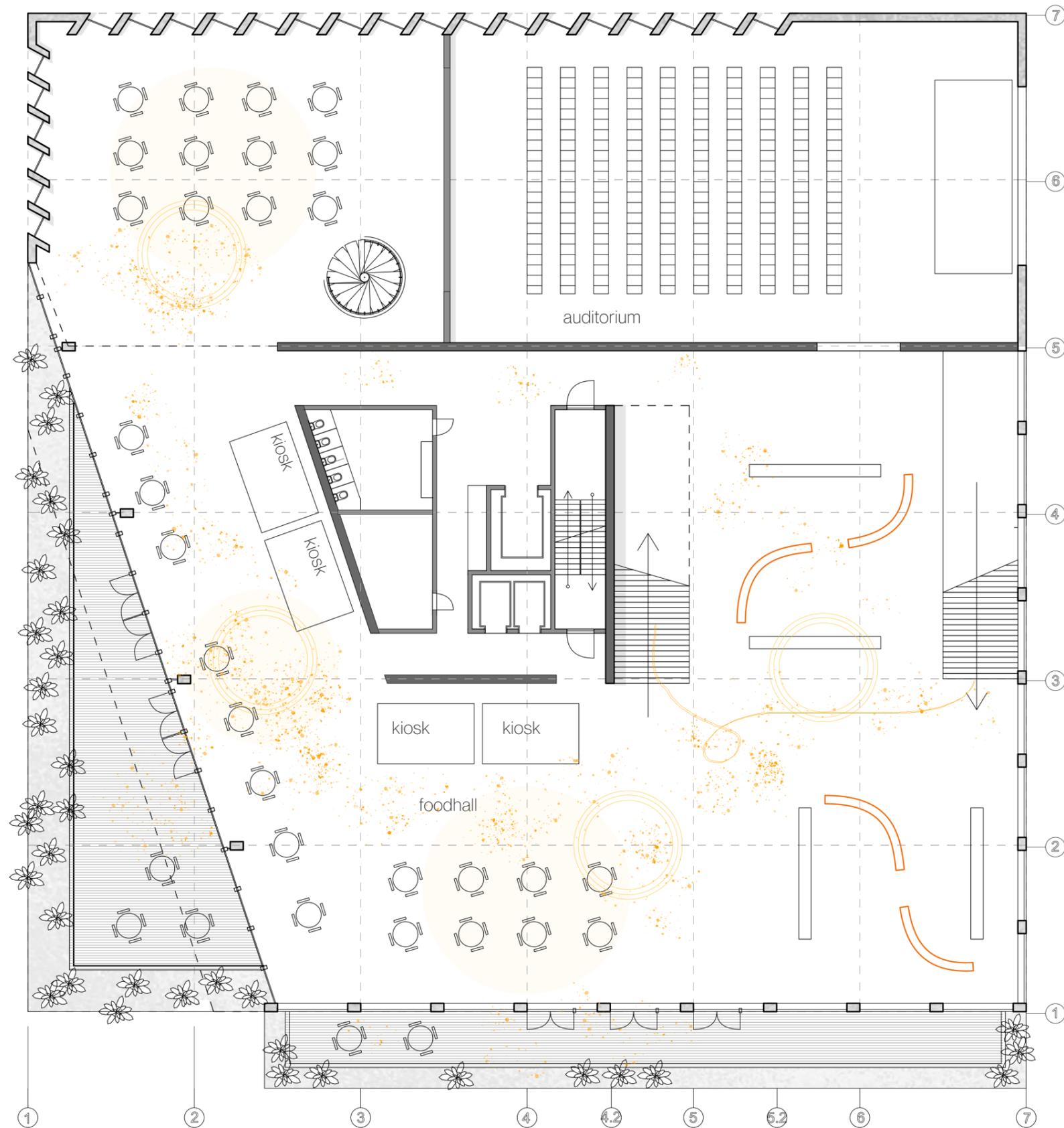
FLOORPLAN 7th

1:200
start ups



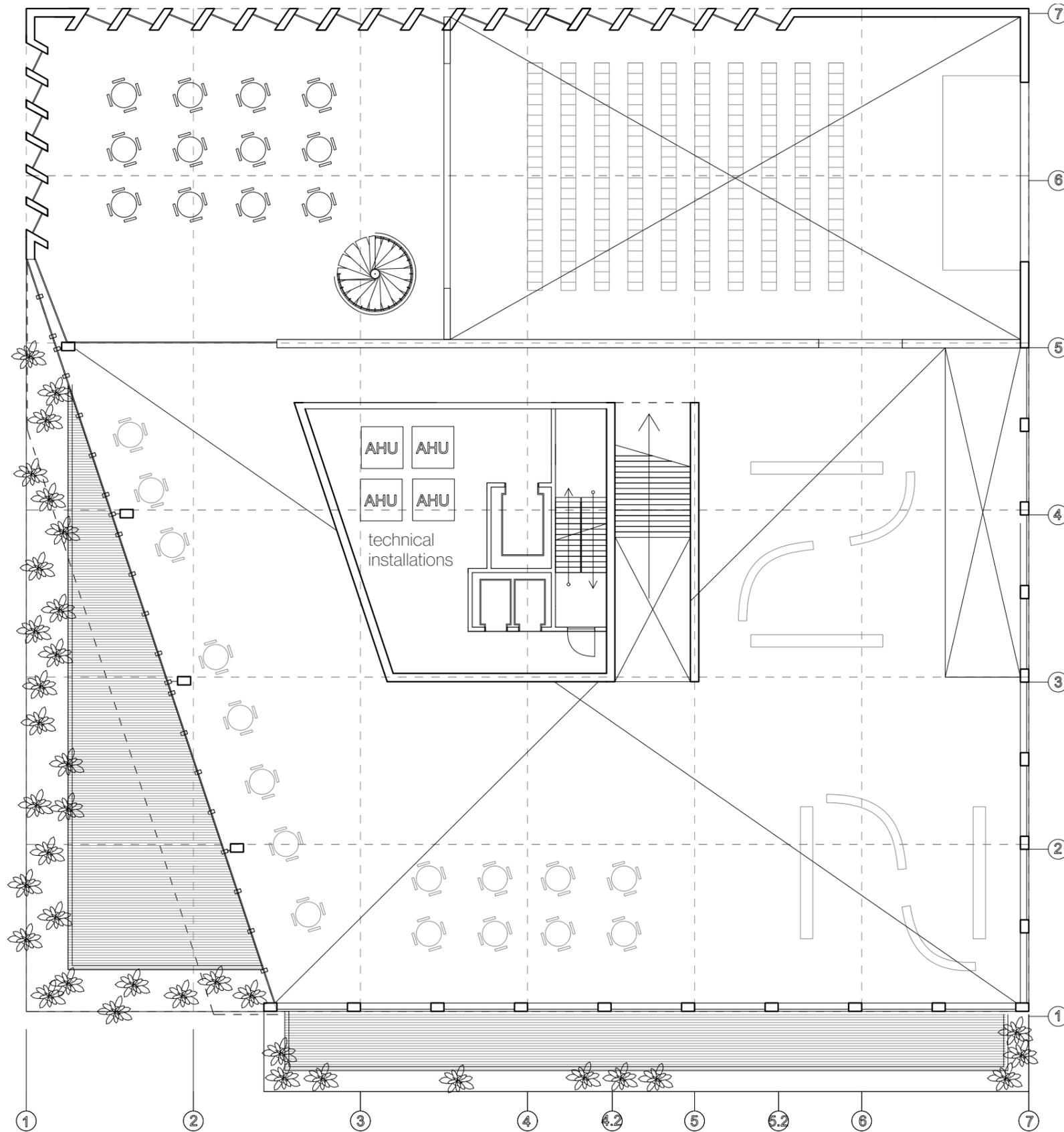
FLOORPLAN 8th

1:200
foodhall floor



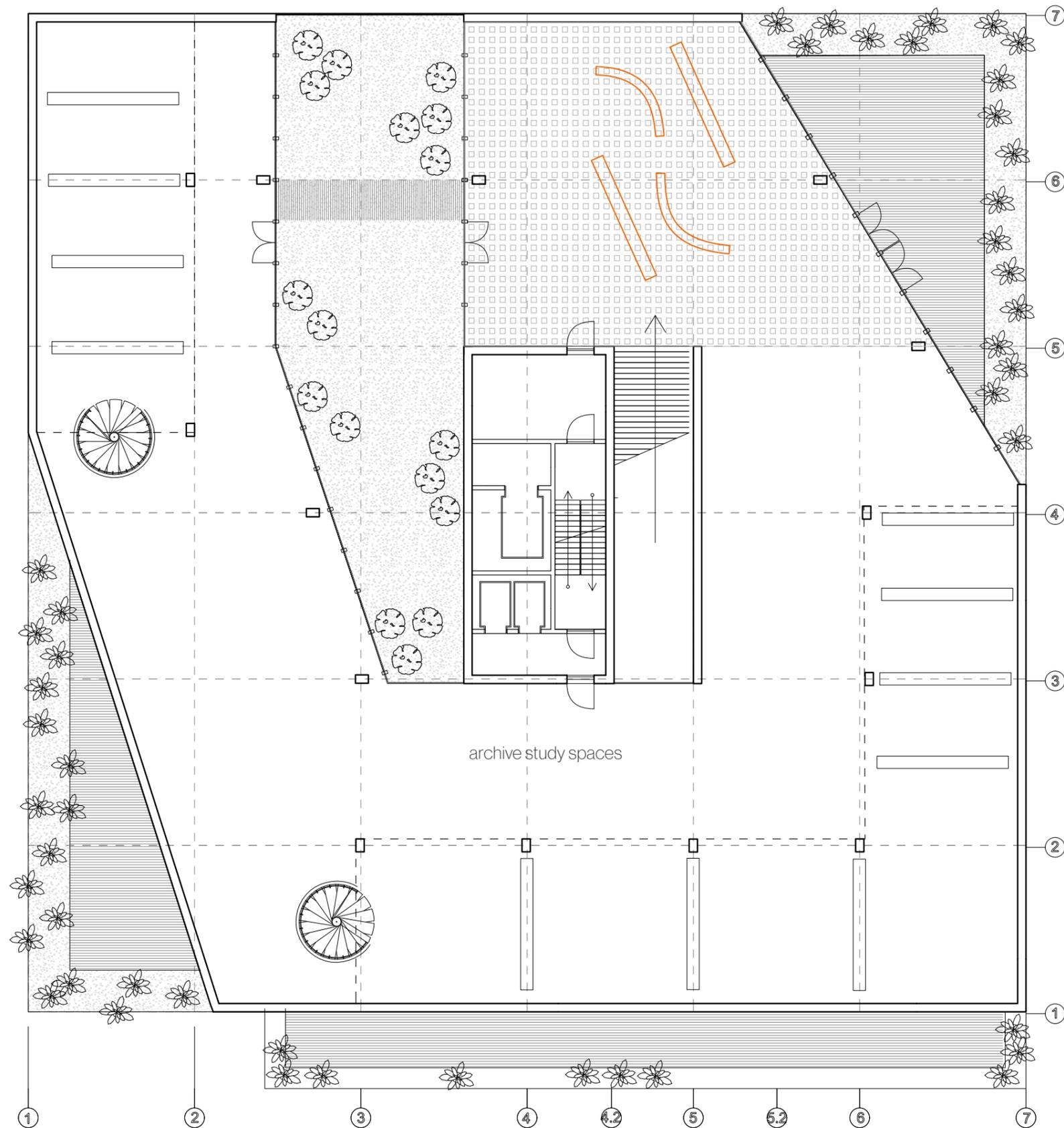
FLOORPLAN 10th

1:200
food hall floor



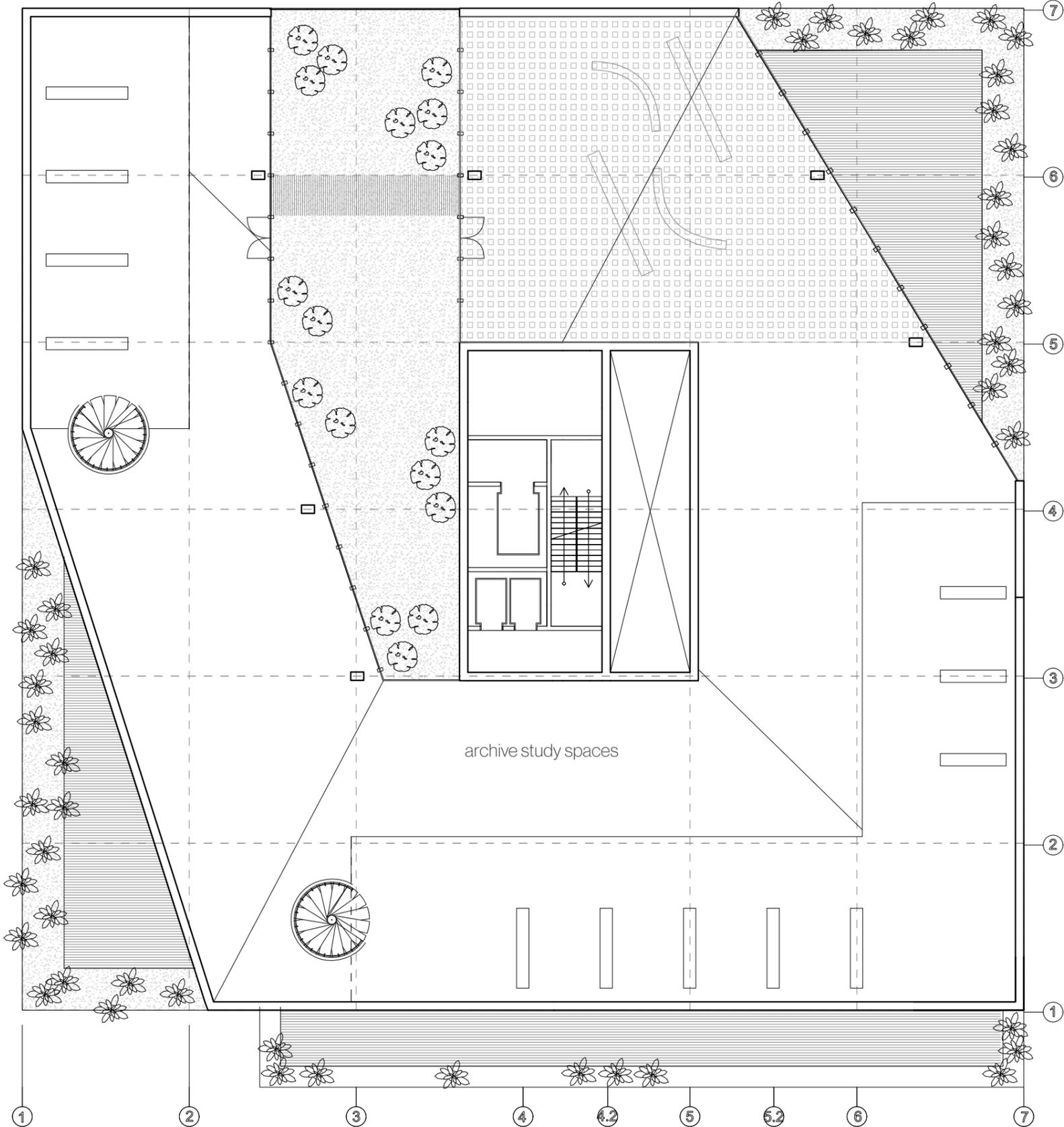
FLOORPLAN 10th

1:200
storia floor

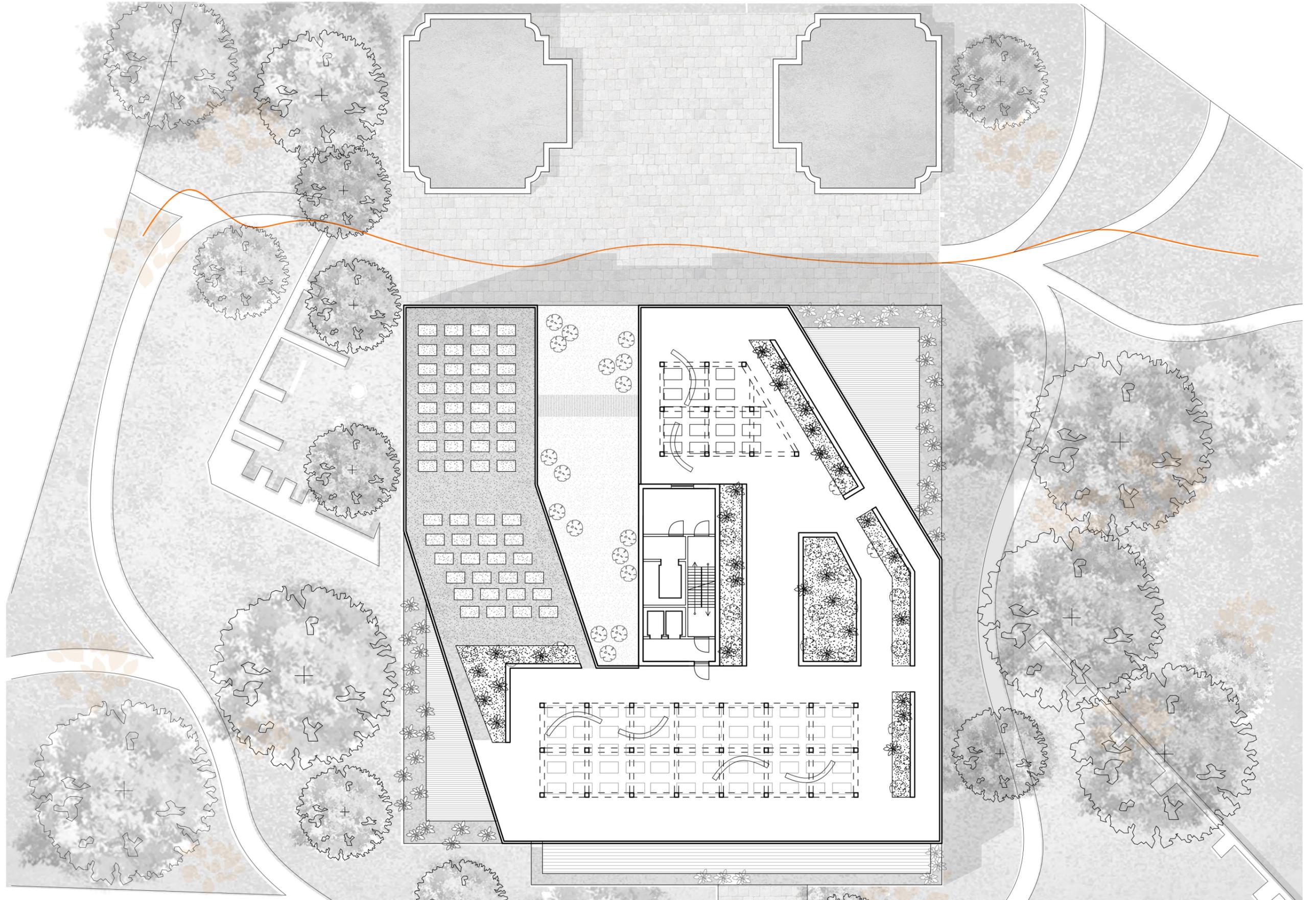


FLOORPLAN 11th

1:200
storia floor



ROOF



IMPRESSION

exterior



IMPRESSION

interior



IMPRESSION

interior



IMPRESSION

interior



IMPRESSION

interior



IMPRESSION

interior



IMPRESSION

interior



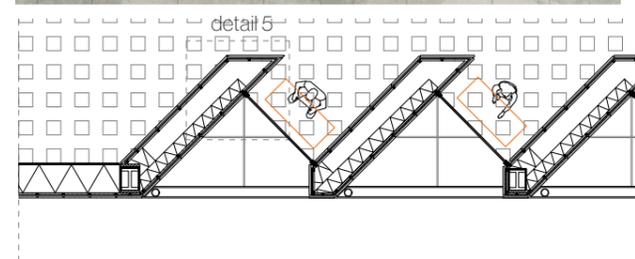
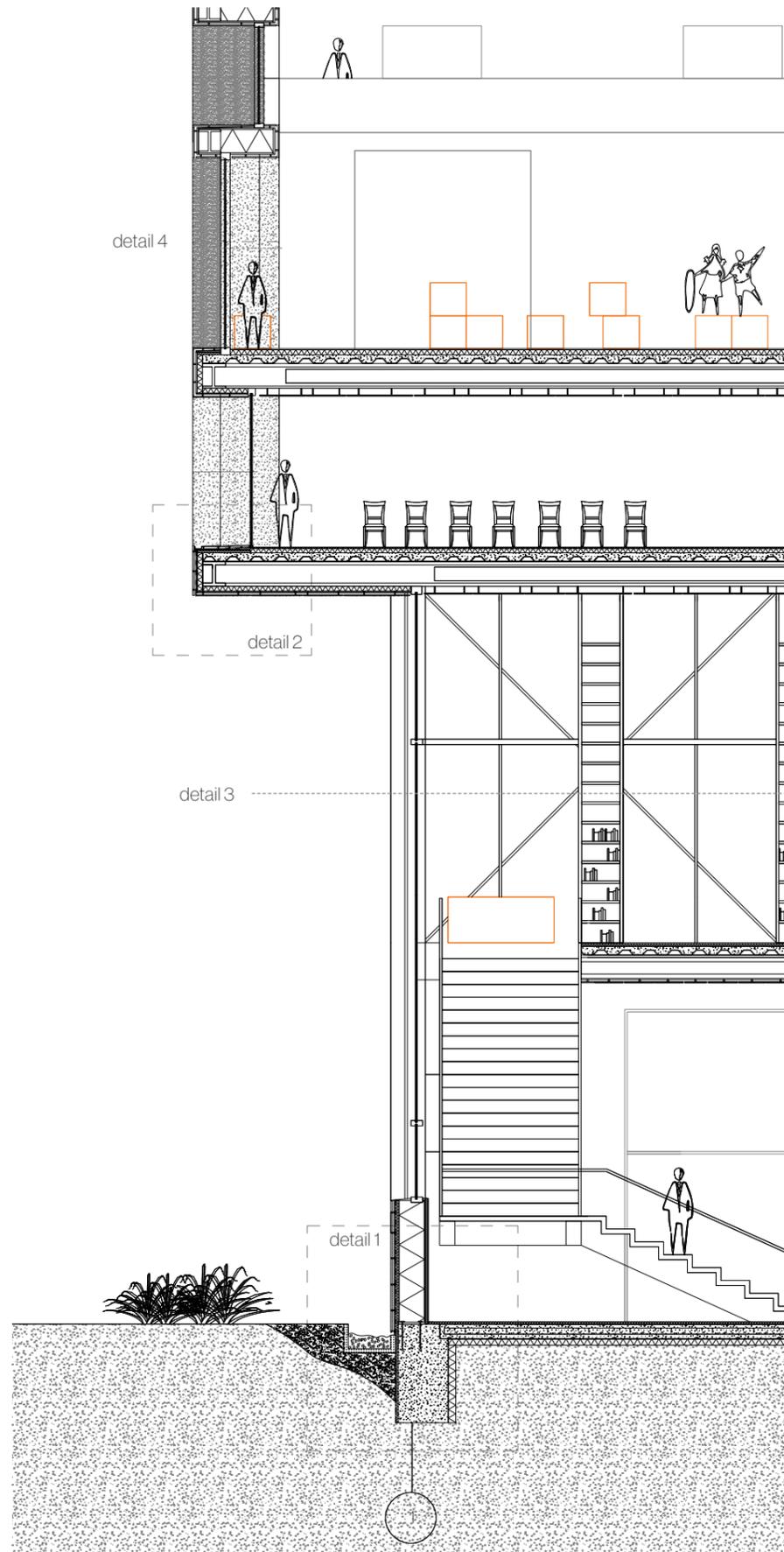
IMPRESSION

interior



FRAGMENT

1:20



SOUTH-EAST ELEVATION

1:200



SOUTH-WEST ELEVATION

1:200

+12 4800 mm

+10 4000 mm

+8 3200 mm

+7 2800 mm

+6 2400 mm

+5 2000 mm

+4 1600 mm

+3 1200 mm

+2 8000 mm



NORTH-WEST ELEVATION

1:200

+12 4800 mm

+10 4000 mm

+8 3200 mm

+7 2800 mm

+6 2400 mm

+5 2000 mm

+4 1600 mm

+3 1200 mm

+2 8000 mm



NORTH-EAST ELEVATION

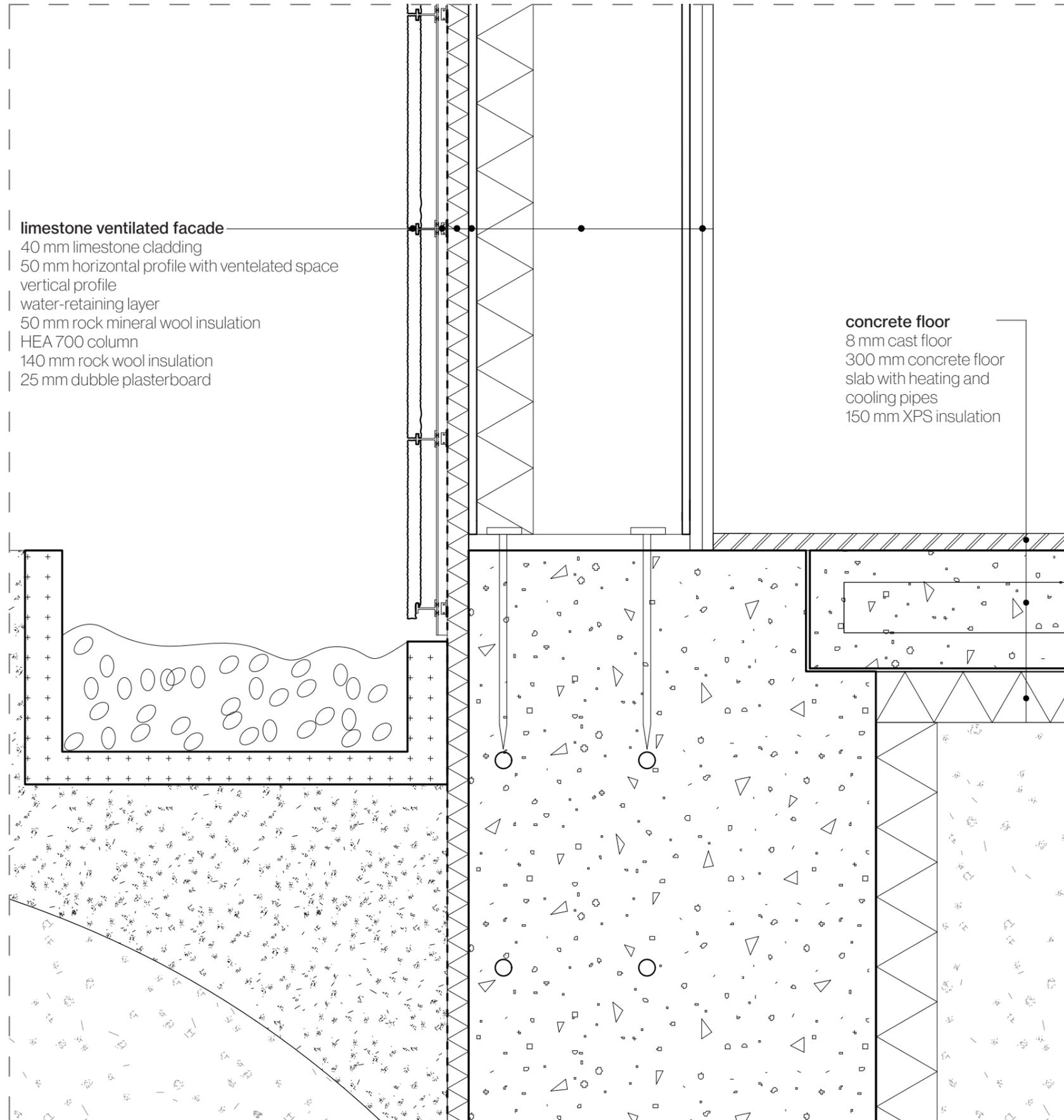
1:200

+12 4800 mm
+10 4000 mm
+8 3200 mm
+7 2800 mm
+6 2400 mm
+5 2000 mm
+4 1600 mm
+3 1200 mm
+2 8000 mm



DETAIL 1

FOUNDATION (1:10)

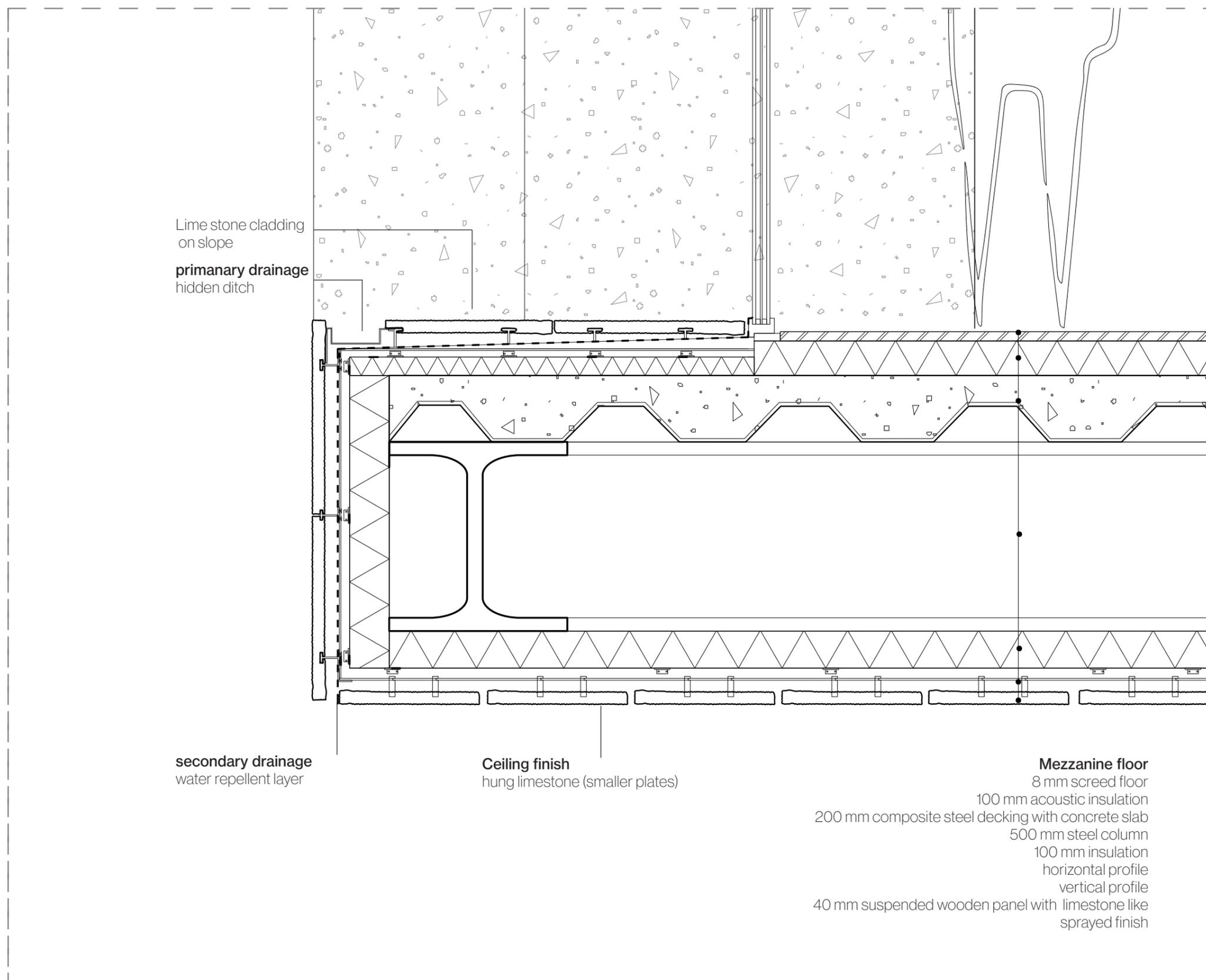


limestone ventilated facade
40 mm limestone cladding
50 mm horizontal profile with ventelated space
vertical profile
water-retaining layer
50 mm rock mineral wool insulation
HEA 700 column
140 mm rock wool insulation
25 mm dubble plasterboard

concrete floor
8 mm cast floor
300 mm concrete floor
slab with heating and
cooling pipes
150 mm XPS insulation

DETAIL 2

CANTILEVERD MEZZANINE FLOOR (1:10)



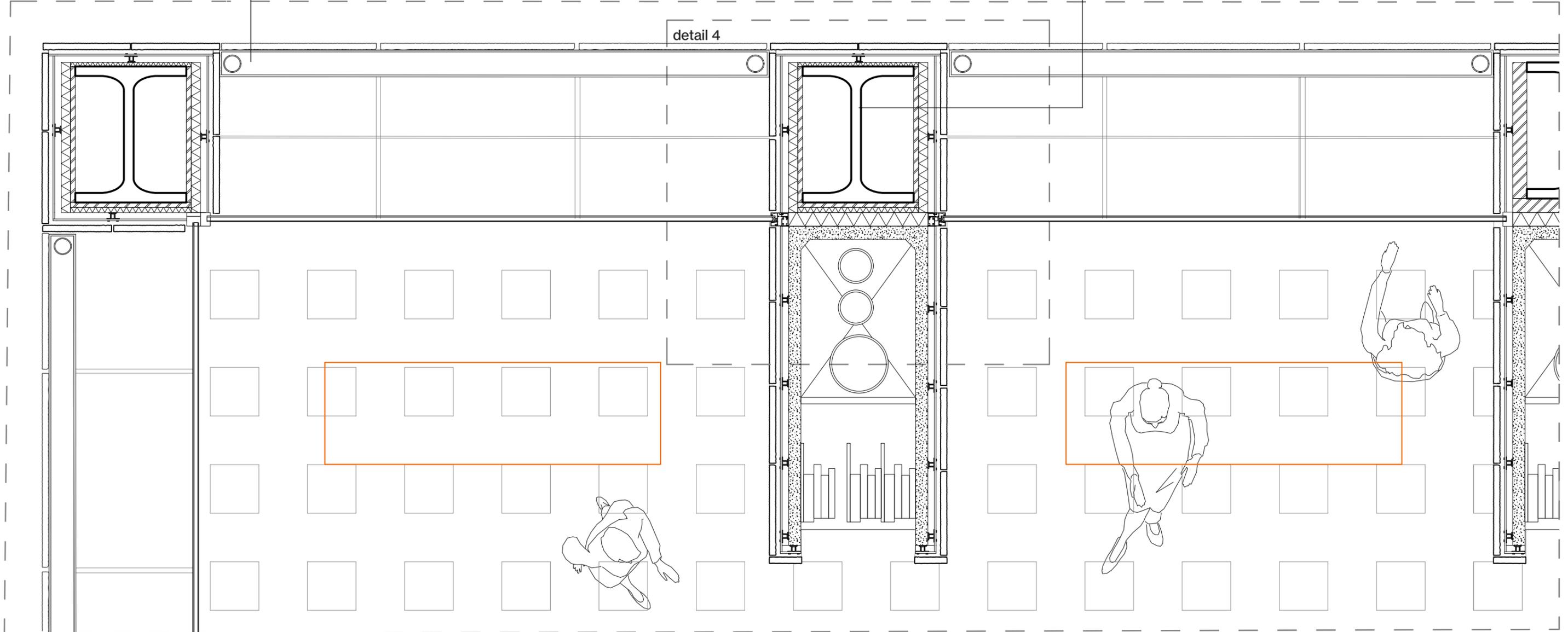
DETAIL 3

horizontal routing facade (1:20)

drainage gutter
hidden

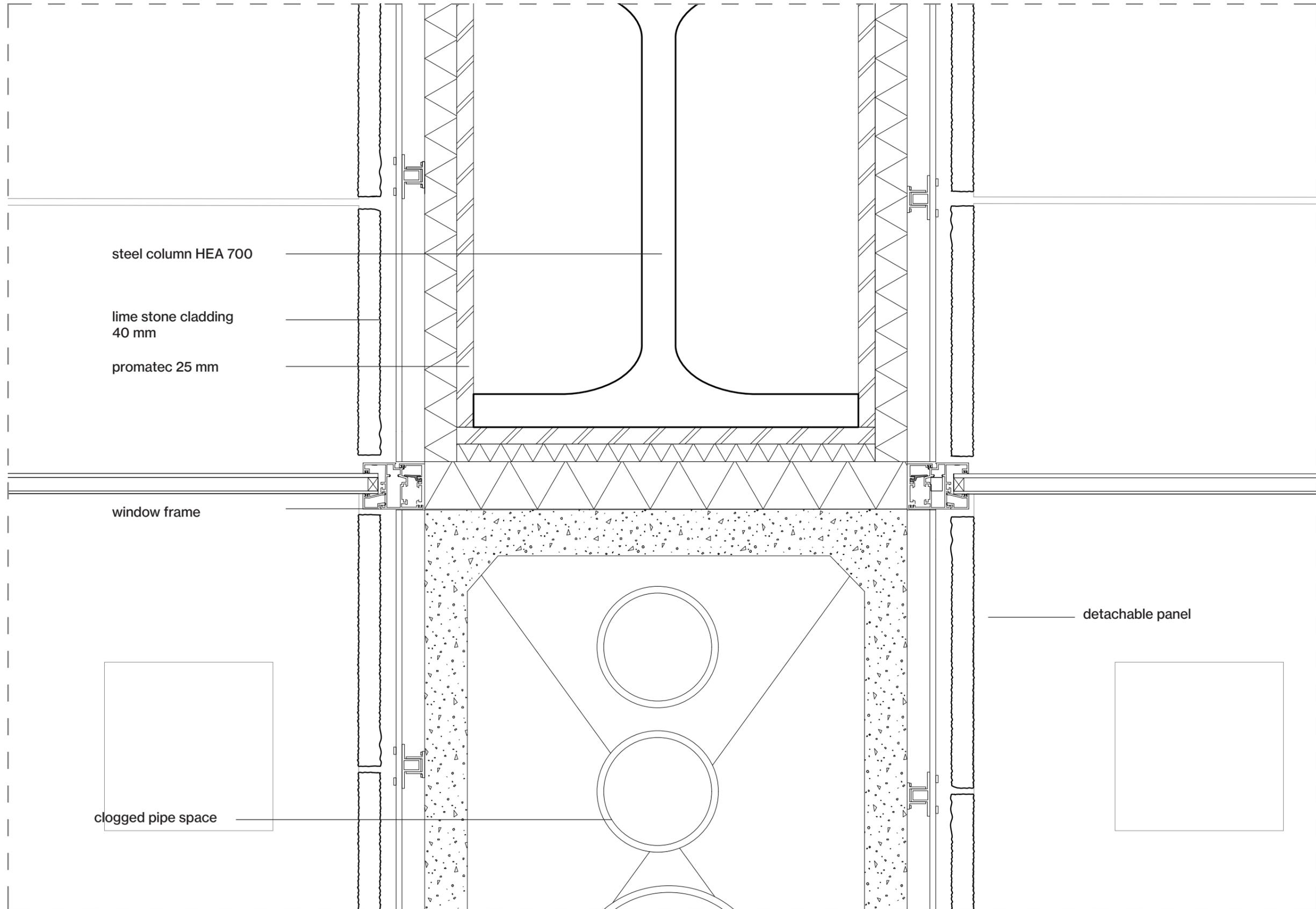
lime stone cladding 40 mm
aluminium profile 40 mm
ventilated space 50 mm
mineral wool insulation 30 mm
promatec 25 mm
HEA 700

detail 4



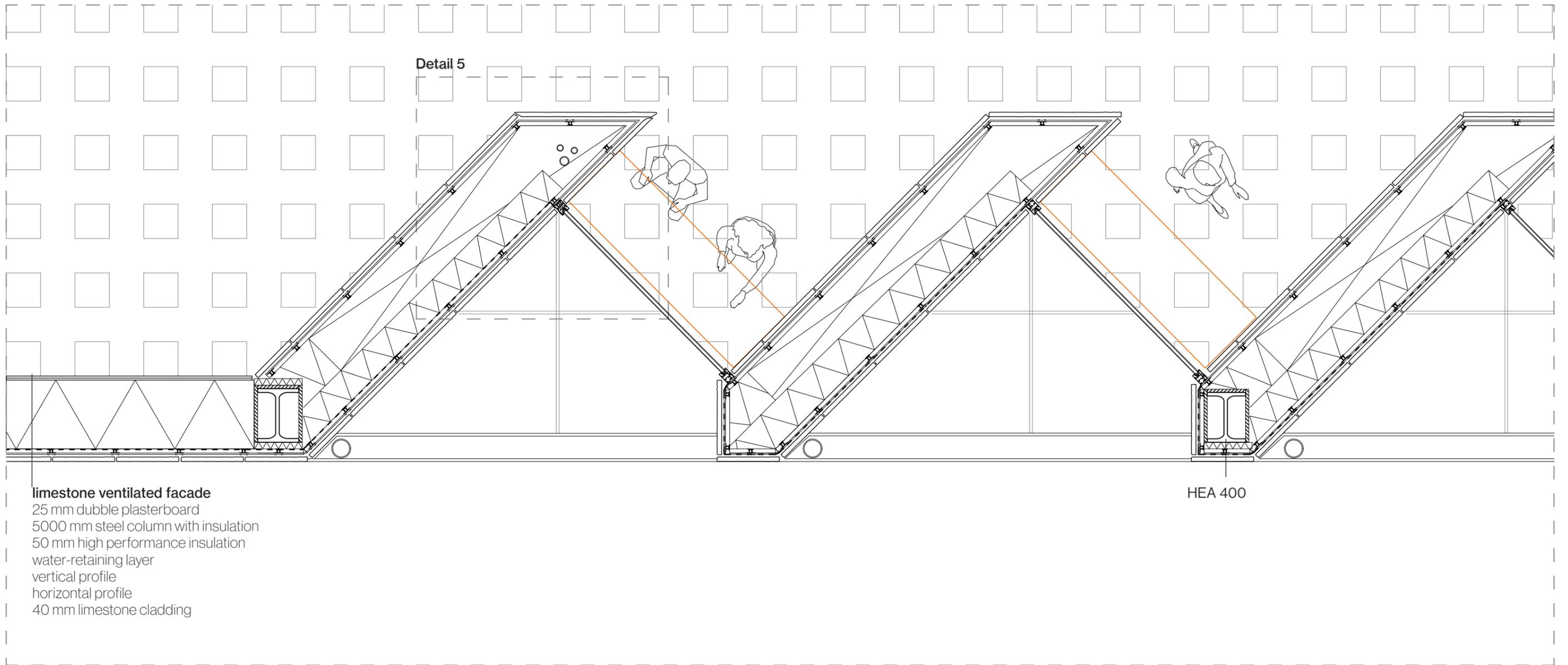
DETAIL 4

horizontal routing facade (1:5)



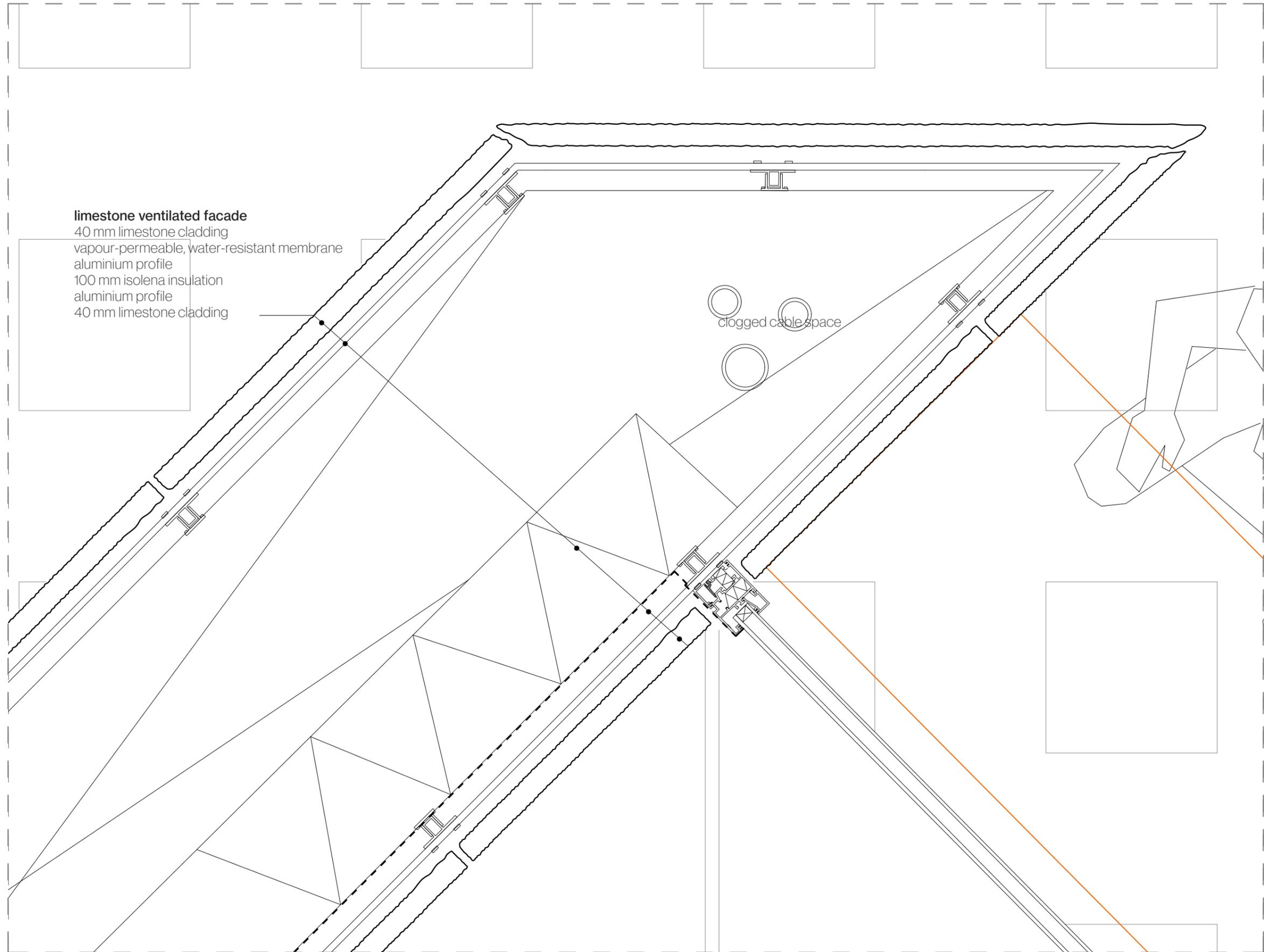
DETAIL 5

horizontal pockets facade (1:20)



DETAIL 6

horizontal pockets facade (1:5)



limestone ventilated facade

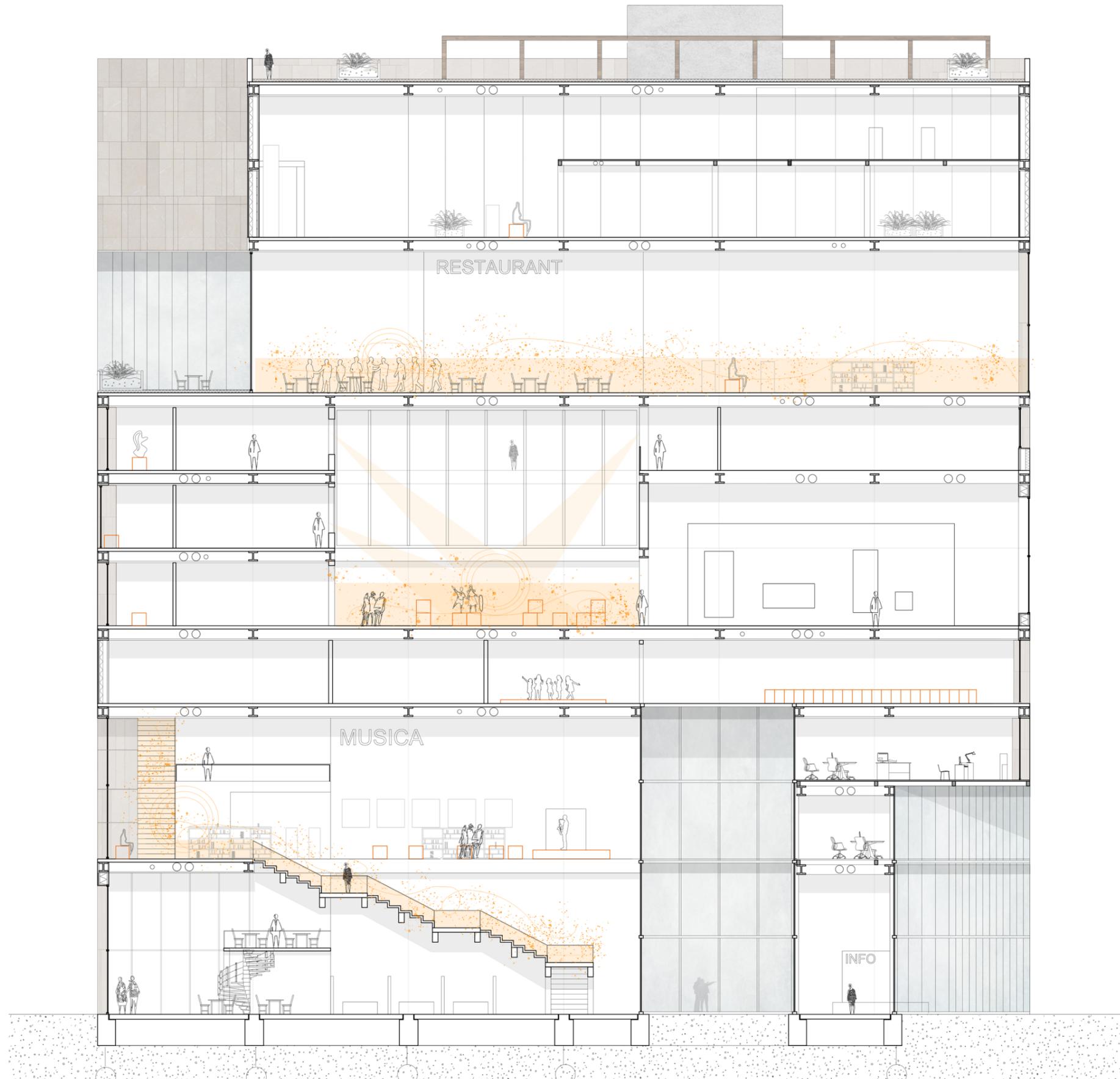
- 40 mm limestone cladding
- vapour-permeable, water-resistant membrane
- aluminium profile
- 100 mm isolena insulation
- aluminium profile
- 40 mm limestone cladding

clogged cable space

SECTION 1

(1:100)

- 12**
roof terrace /solar panels
- 10/11**
archive learning spaces
- 8/9**
restaurant
auditorium
- 7**
start up offices
tech centre
- 5/6**
main museum hall
workshop spaces art
collaboration space
- 4**
studio spaces dance
- 3**
offices museum/ library
art workshops
- 2**
offices
studio's music
- GF/1**
cafe, bookstore, entrance
info desk, feltrinelli collection



SECTION 2

(1:100)

12
roof terrace /solar panels

10/11
archive learning spaces

8/9
restaurant
auditorium

7
start up offices
tech centre

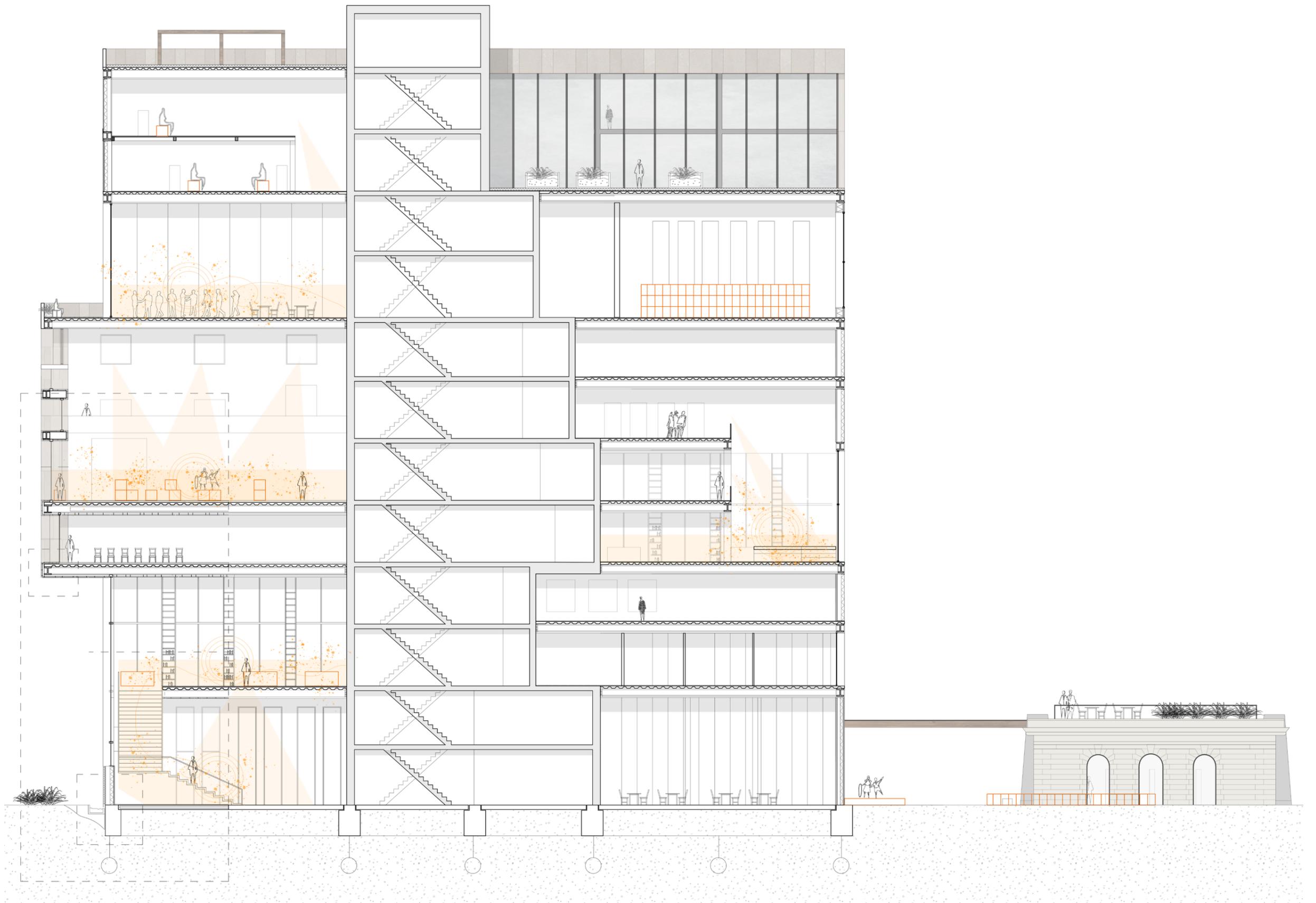
5/6
main museum hall
workshop spaces art
collaboration space

4
studio spaces dance

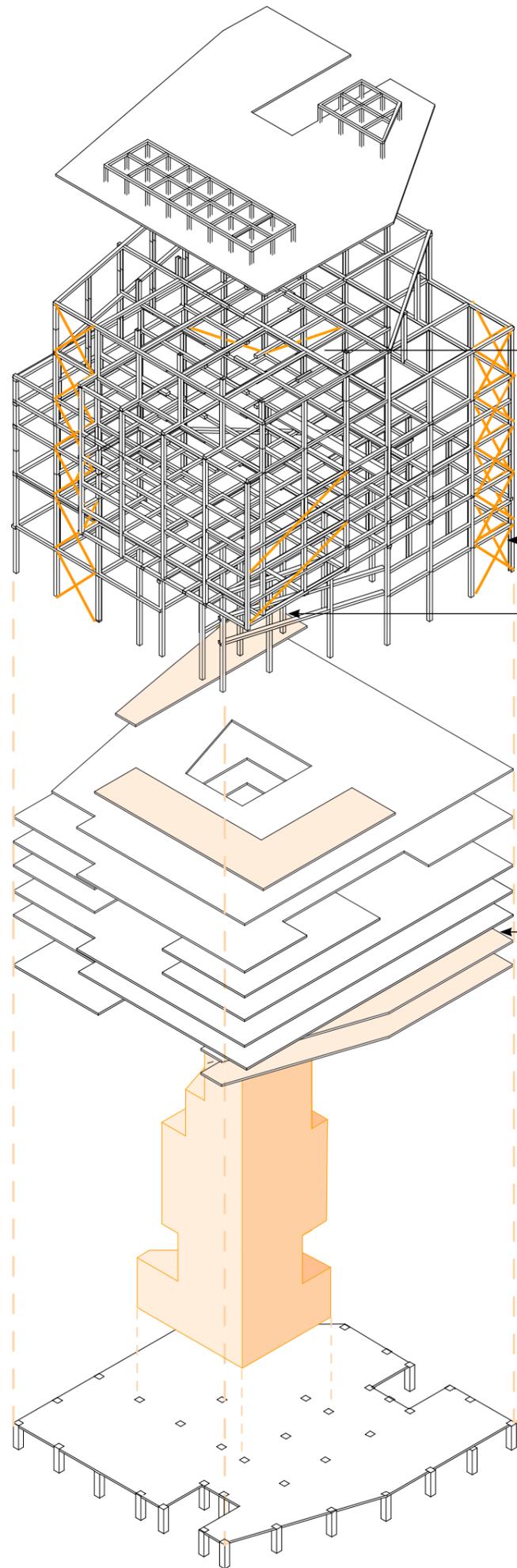
3
offices museum/ library
art workshops

2
offices
studio's music

GF/1
cafe, bookstore, entrance
info desk, feltrinelli collection



AXONOMETRIC construction



Roof

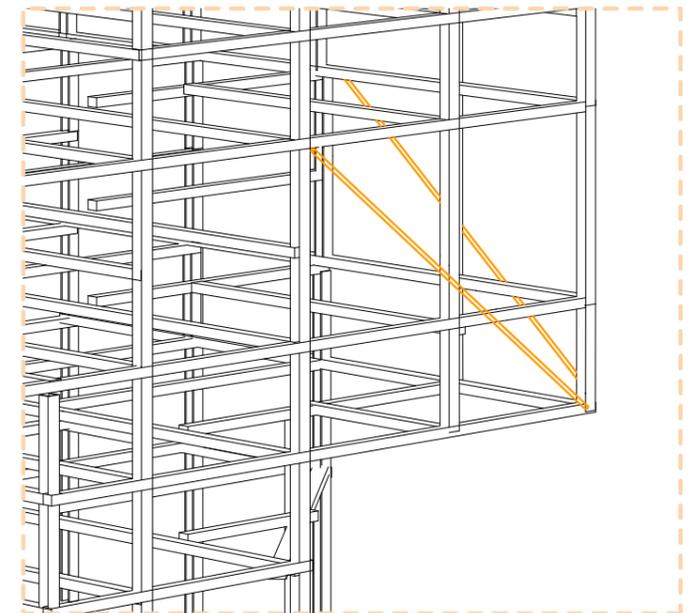
Composite steel–concrete deck roof with external pergola structure

Steel structure

HEA 700/HEA 400 columns
The steel structure, in combination with the concrete core, carries the roof and floor slabs

Wind bracing is applied to provide lateral stability to the structure.

Hung cantilevered structures



Floors

The composite steel deck floor is anchored to both the steel structural frame and the reinforced-concrete core. By eliminating internal columns, the design provides full interior flexibility and adaptability.

Lighter structure wooden floors, add to flexibility

Core

A rigid in-situ cast concrete core provides structural stability and functionality

Foundation

The ground floor consists of a cast-in-place concrete slab supported by a pile foundation system

CLIMATE DIAGRAM

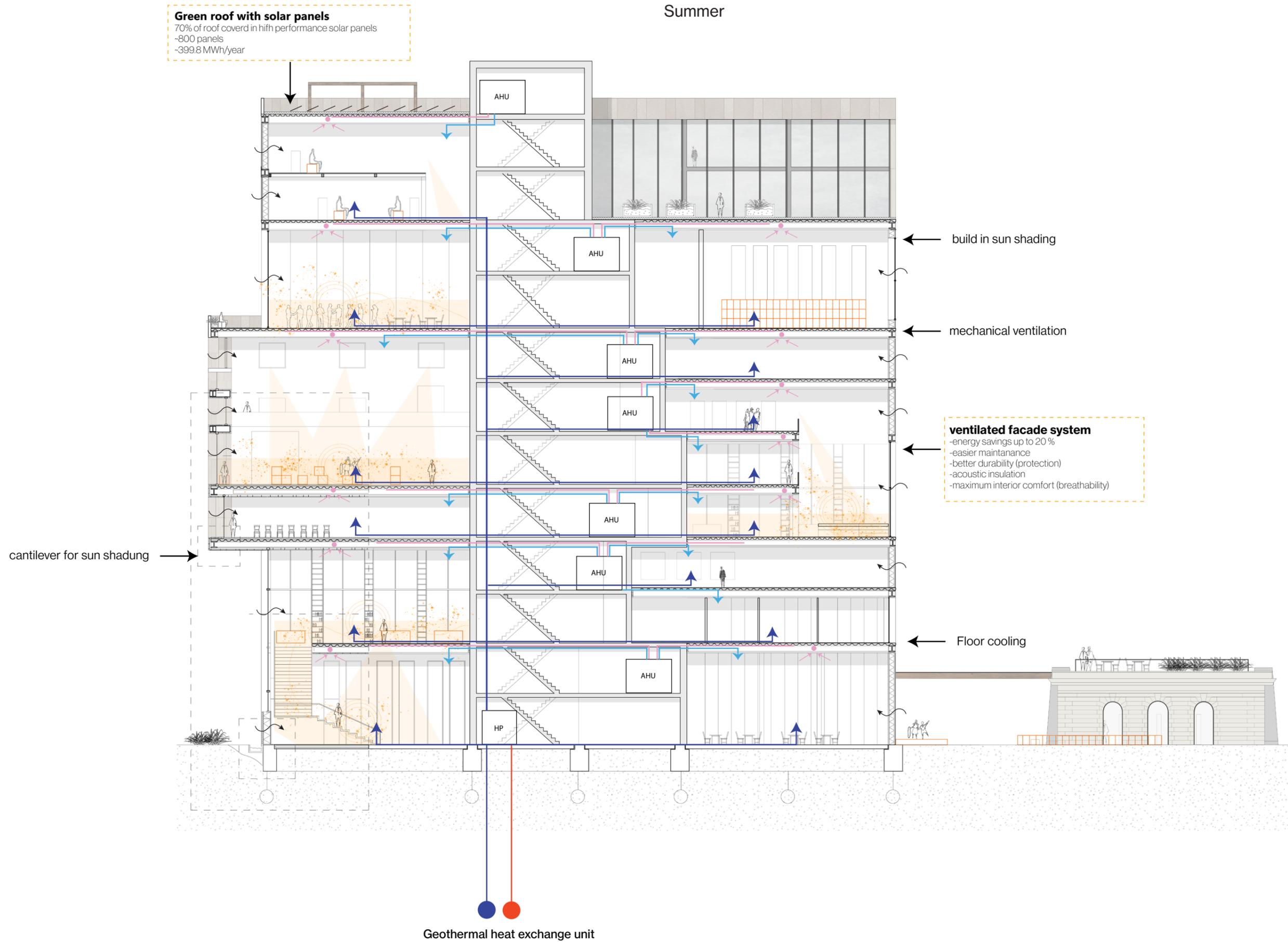
Winter

Green roof with solar panels
70% of roof cover in high performance solar panels
~800 panels
~399.8 MWh/year

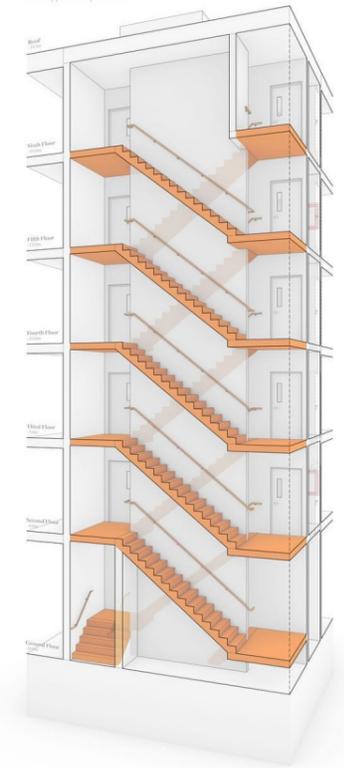
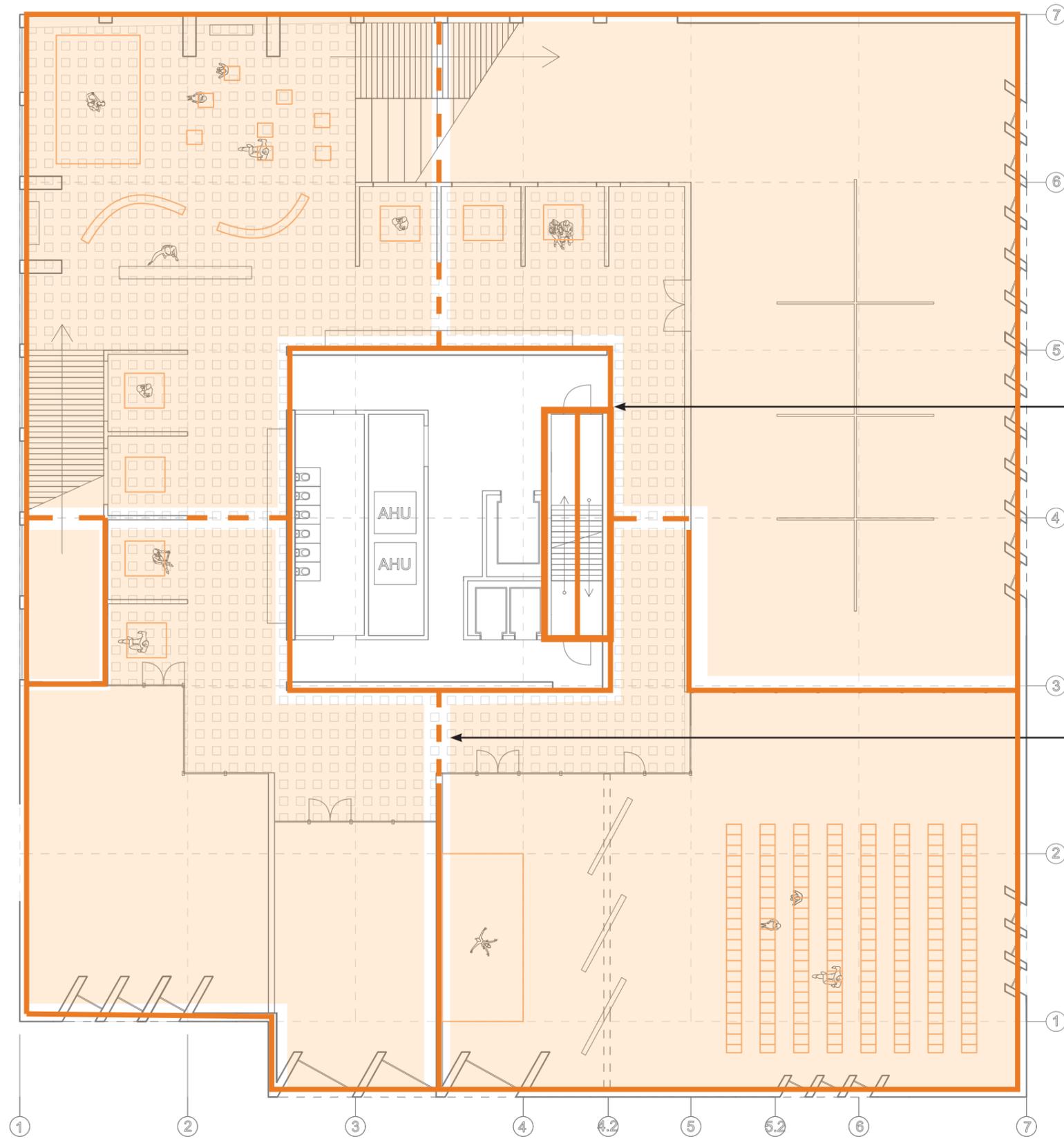


CLIMATE DIAGRAM

Summer



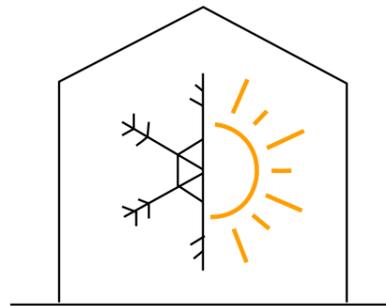
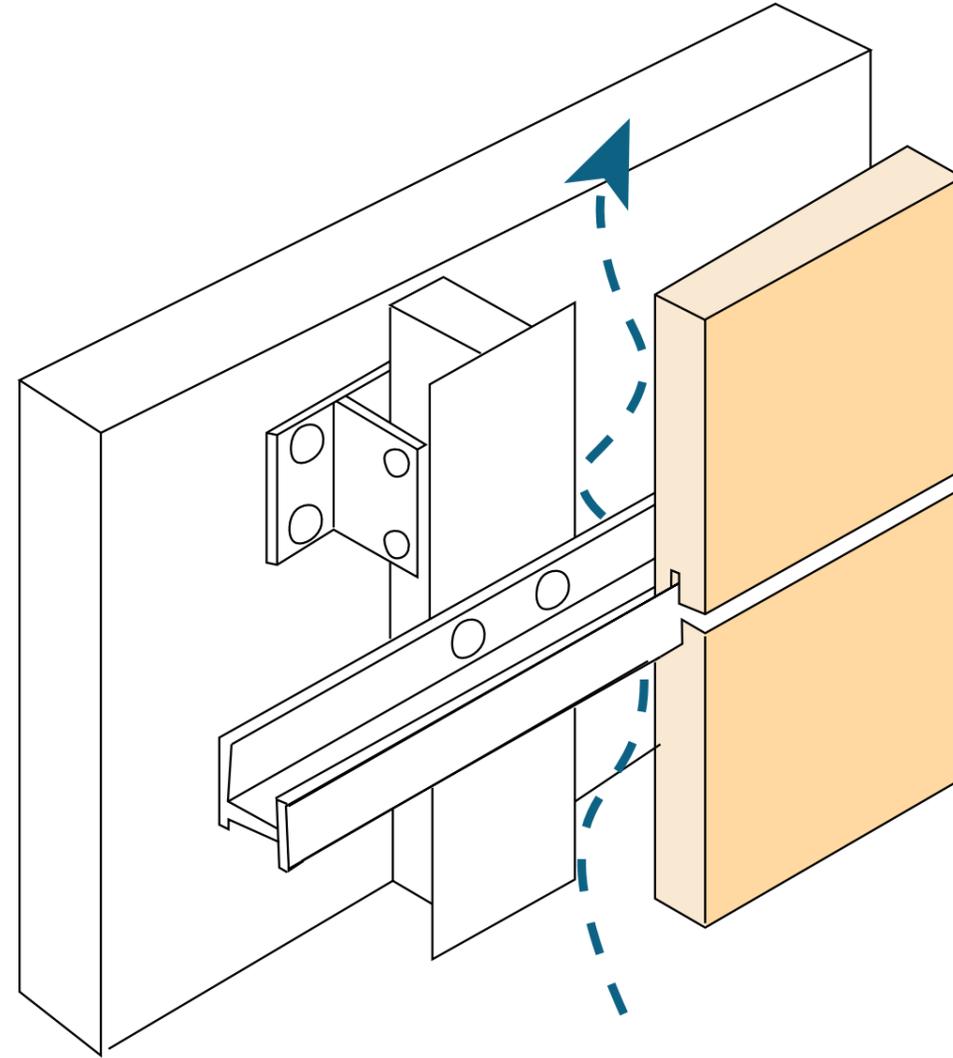
FIRE SAFETY PLAN



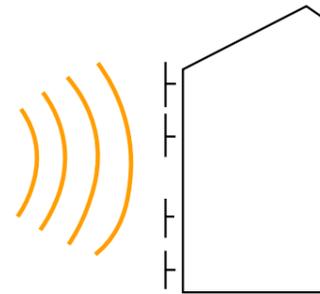
scissor stairs
escape routing

smoke curtains

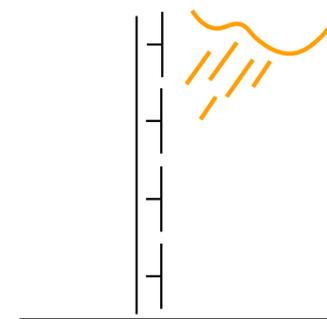
VENTILATED FACADE



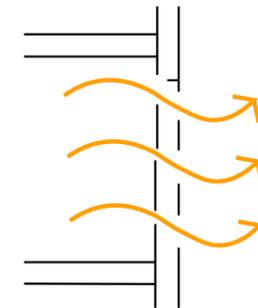
Thermal insulation
constant and uniform



Acoustic insulation
for greater comfort



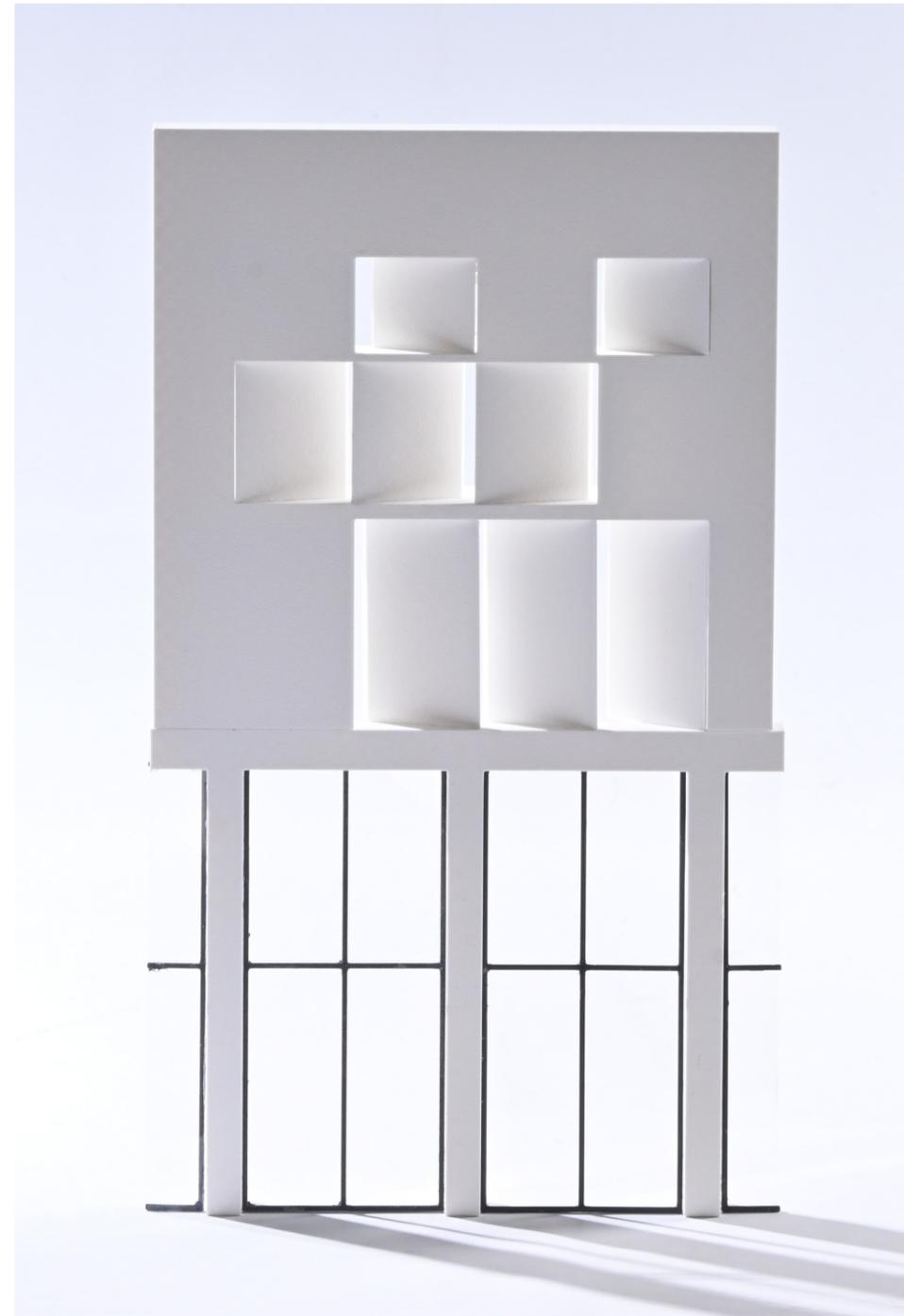
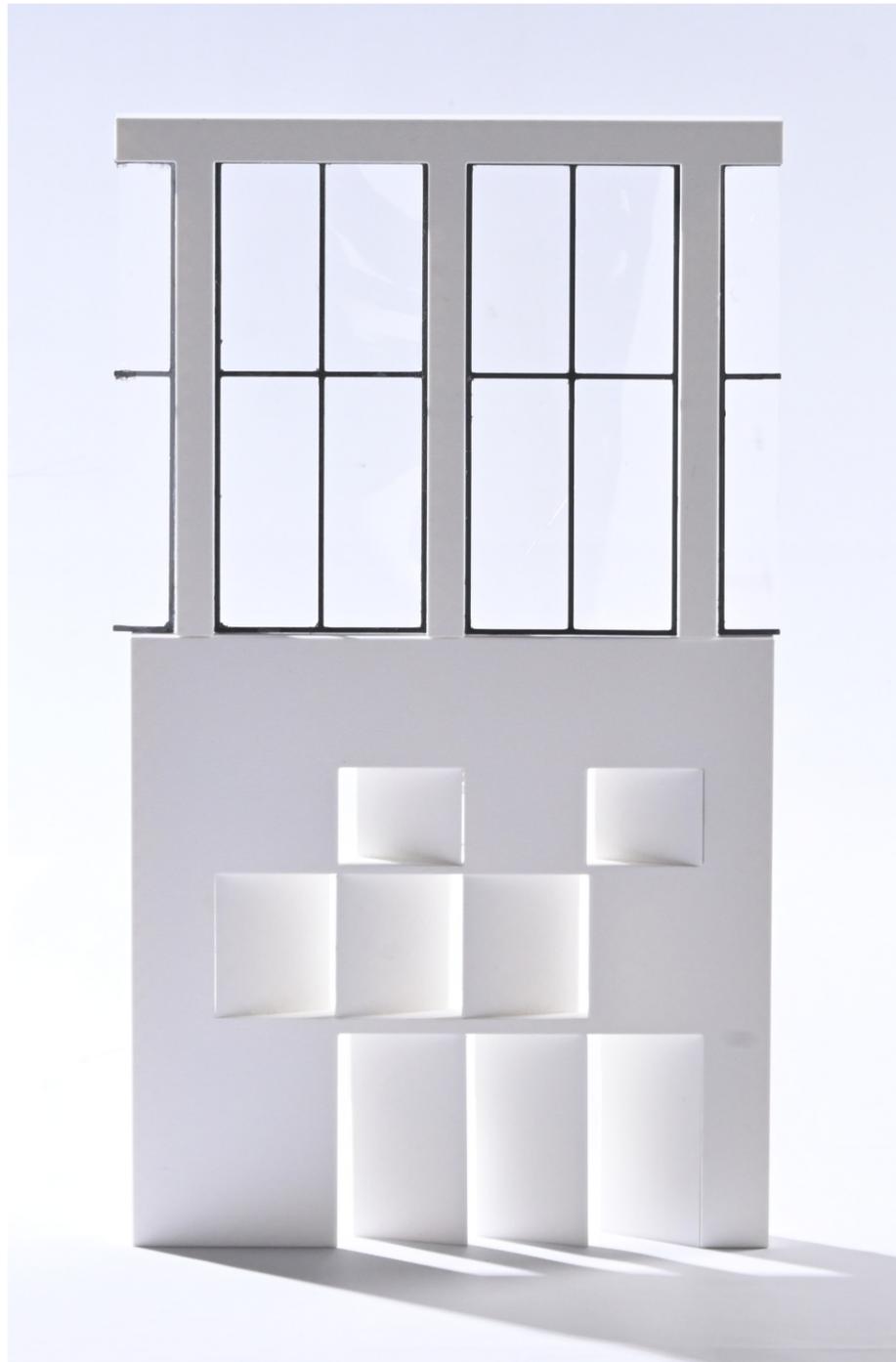
Protection
to safeguard the structure



Breathability
for maximum interior comfort

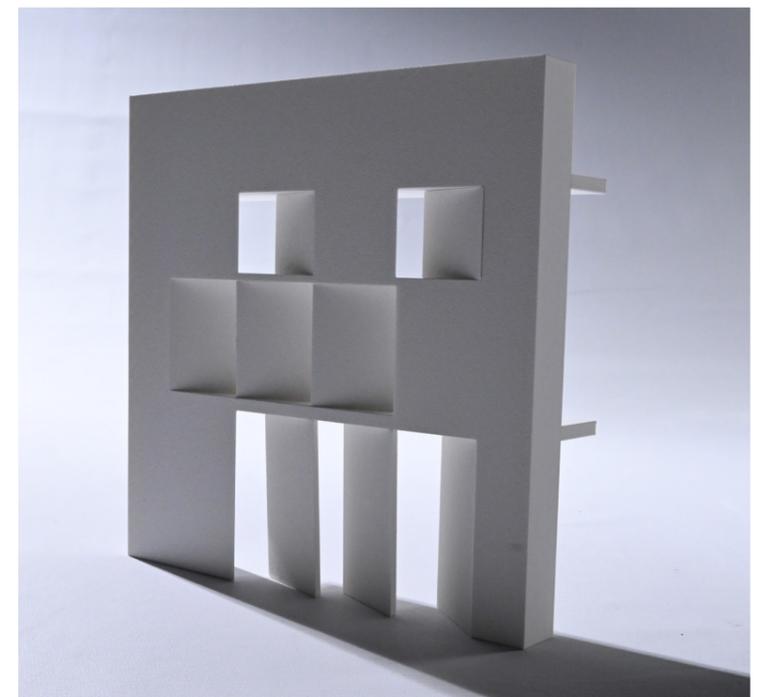
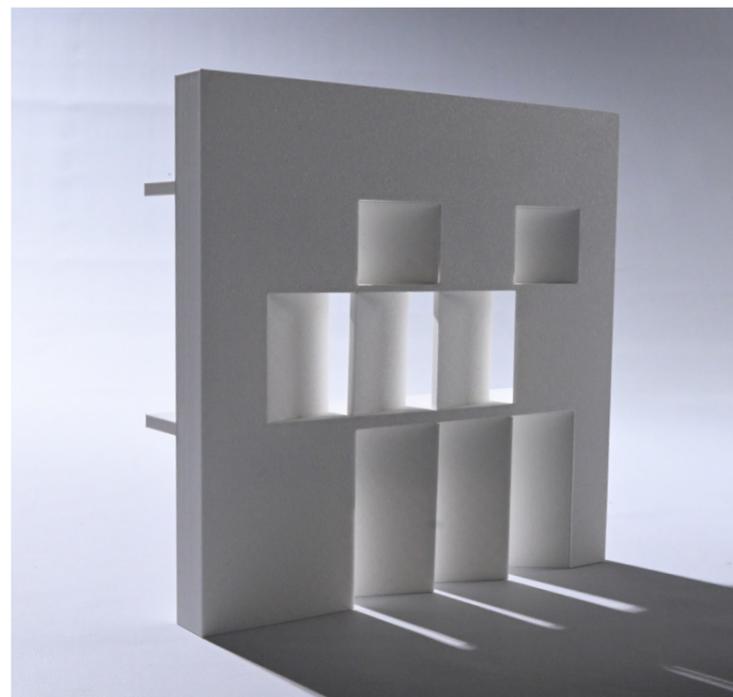
MODEL

fragment 1:50



MODEL

fragment 1:50



MODEL

fragment 1:50

