# The City of Sound

As well as many other Music halls, Porto is mainly known for the Casa da Musica. This site performs multiple types of music performances ranging from classical orchestras to electric DJ styles.
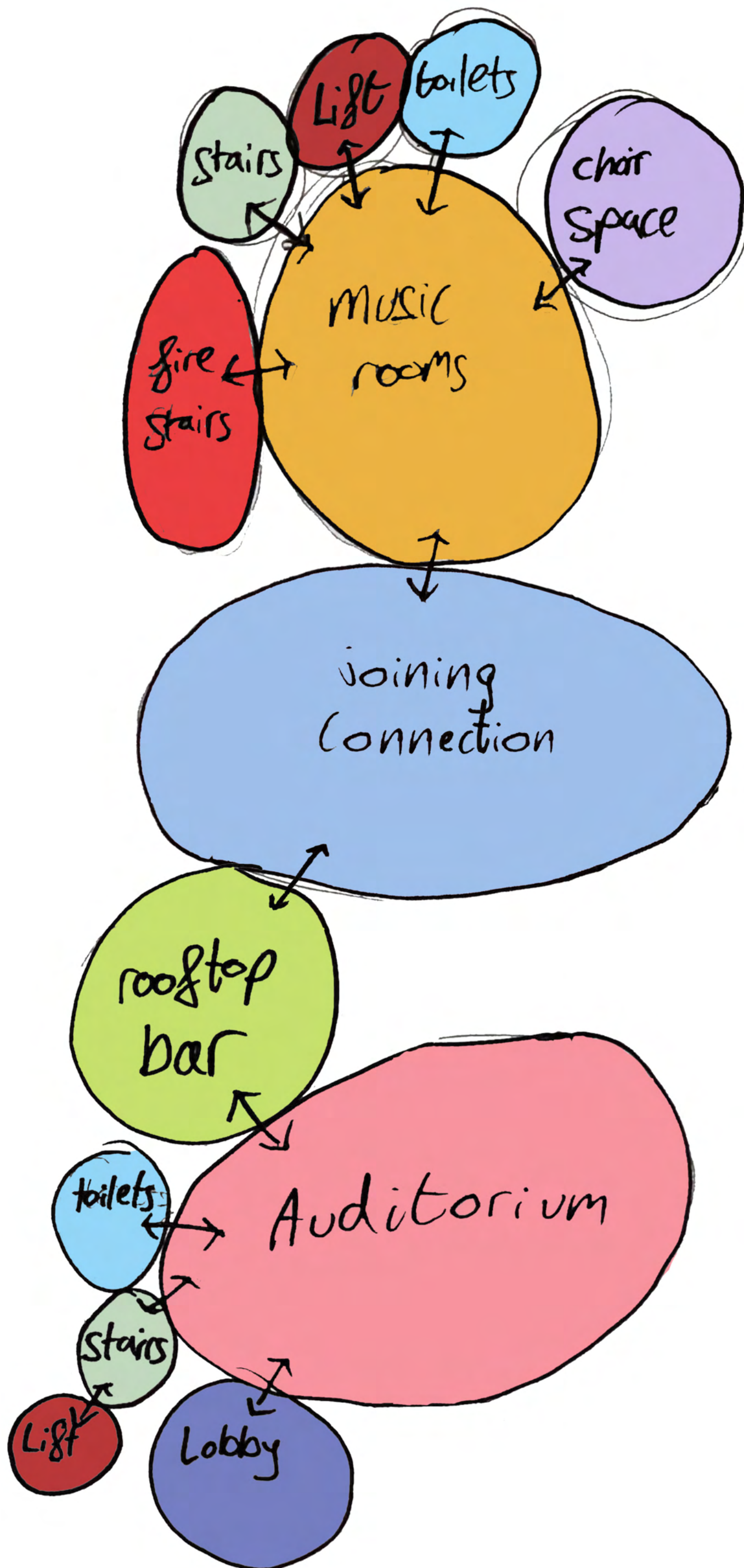
Through out our trip to Porto there was a large amount of street performers that would play music whilst you sat down at restaurants or cafés. They also were scatted along the water from underneath the Luis I bridge.
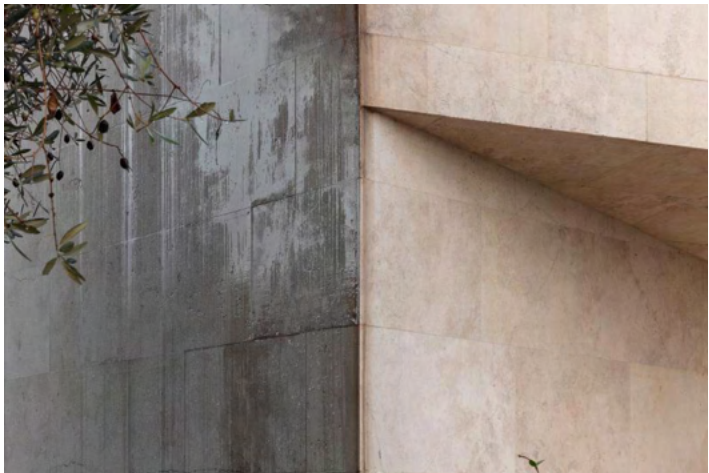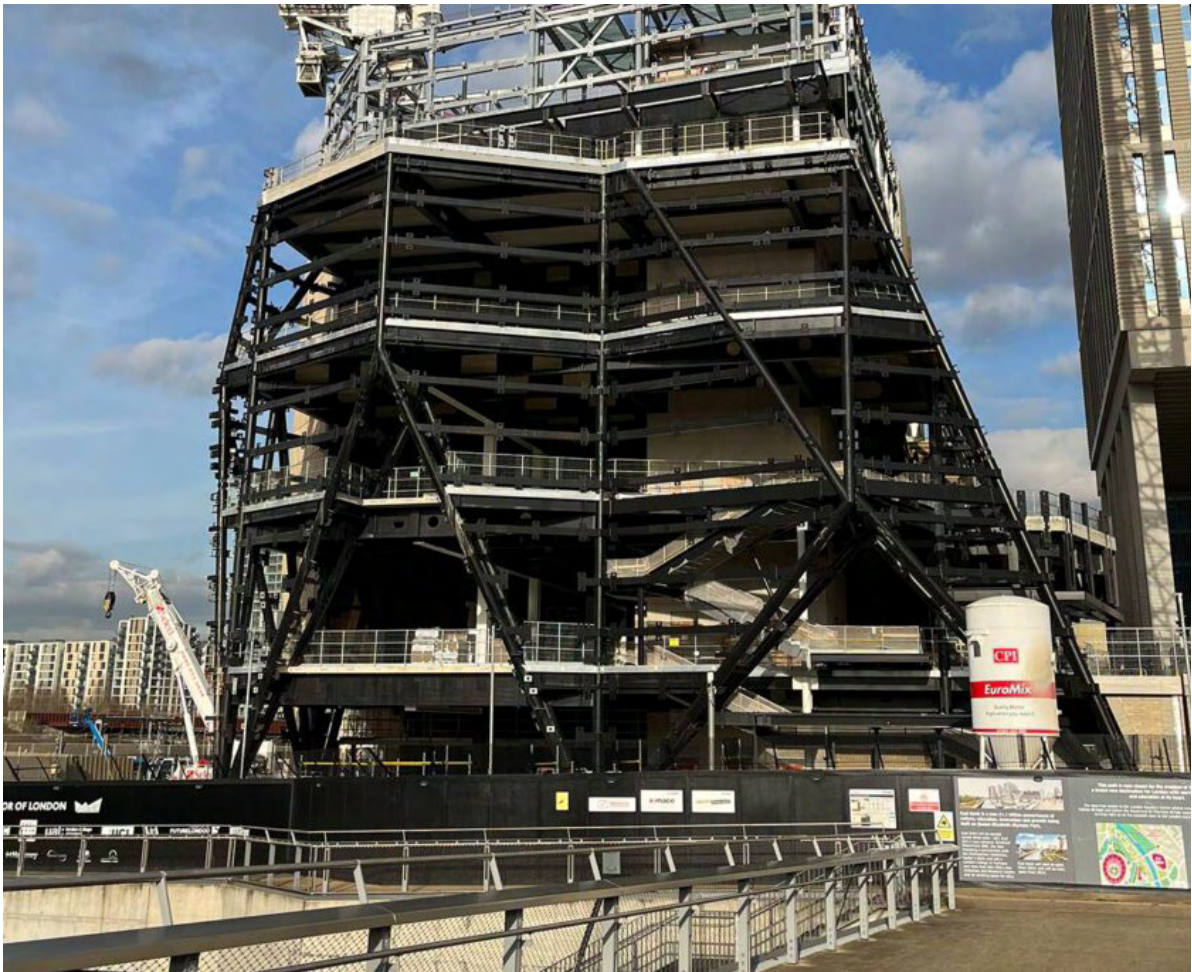
Traditional Music

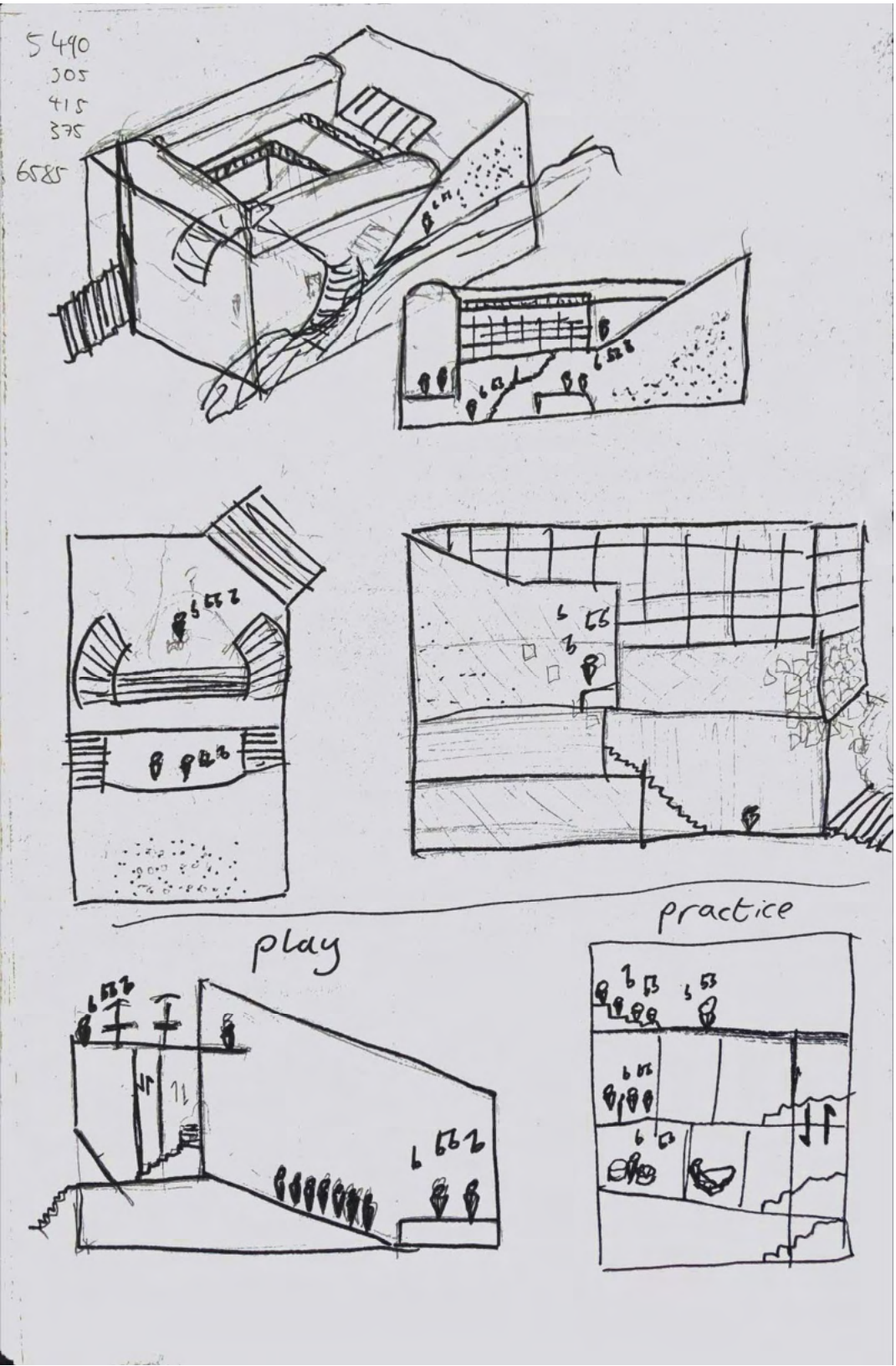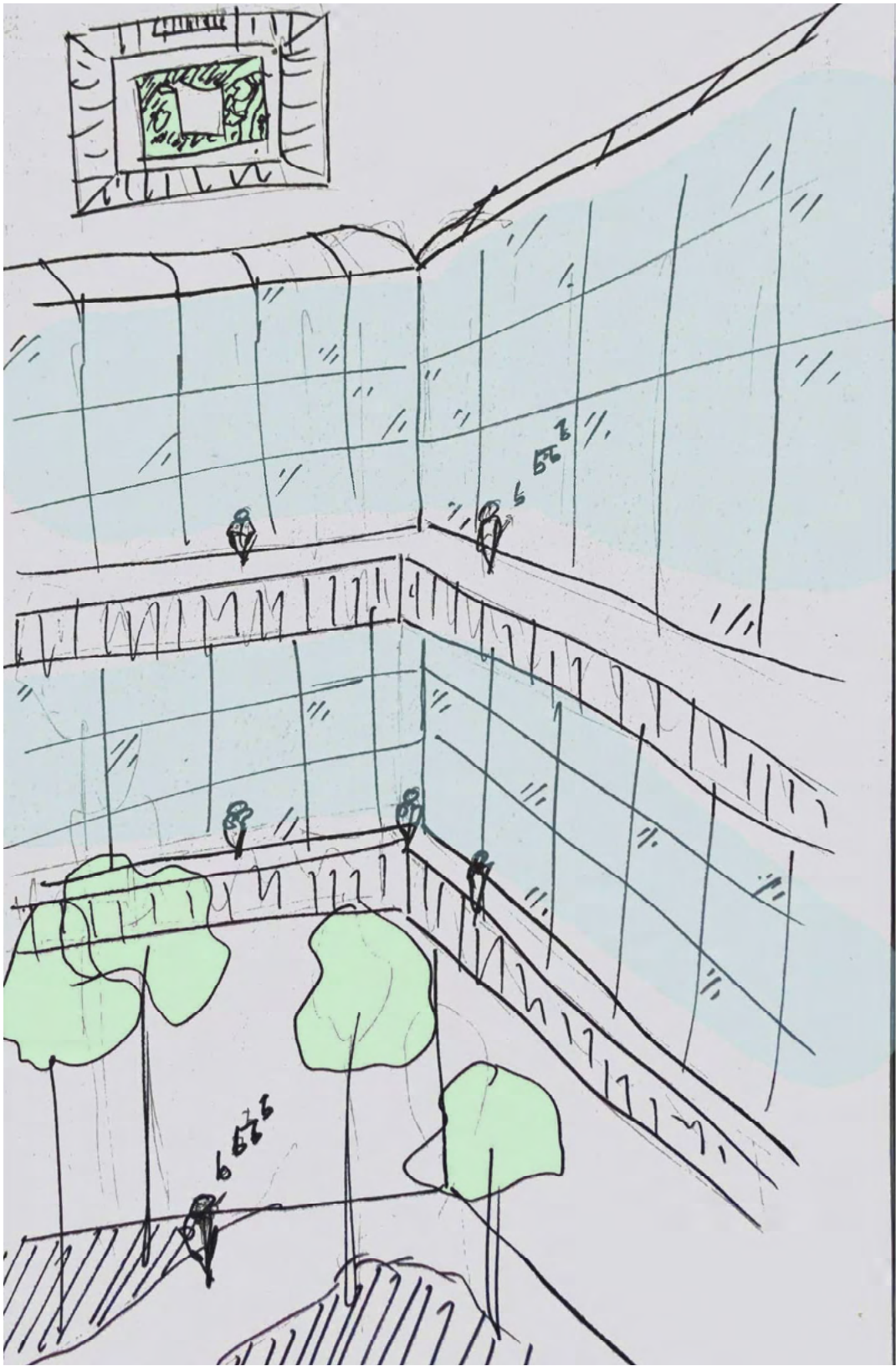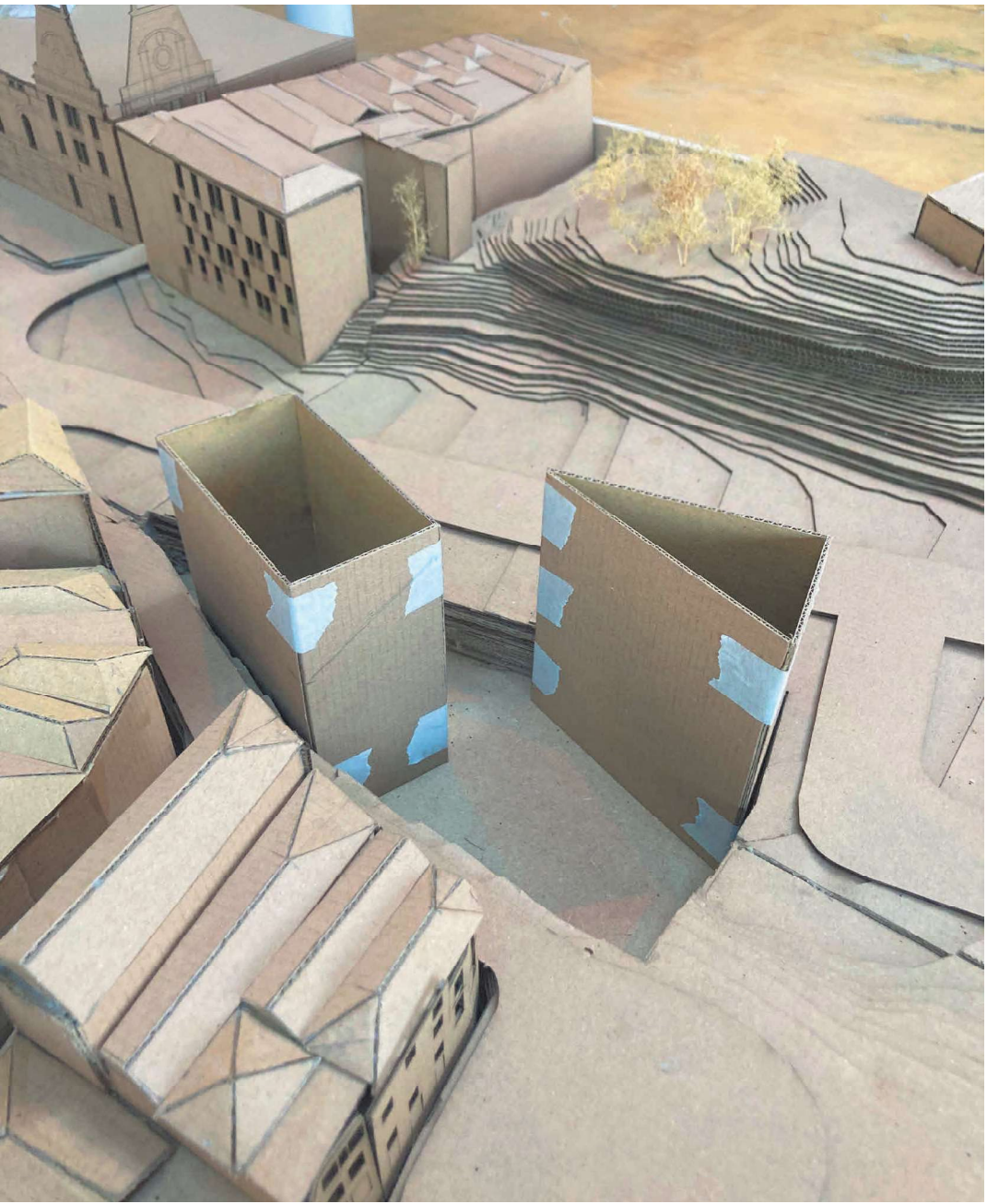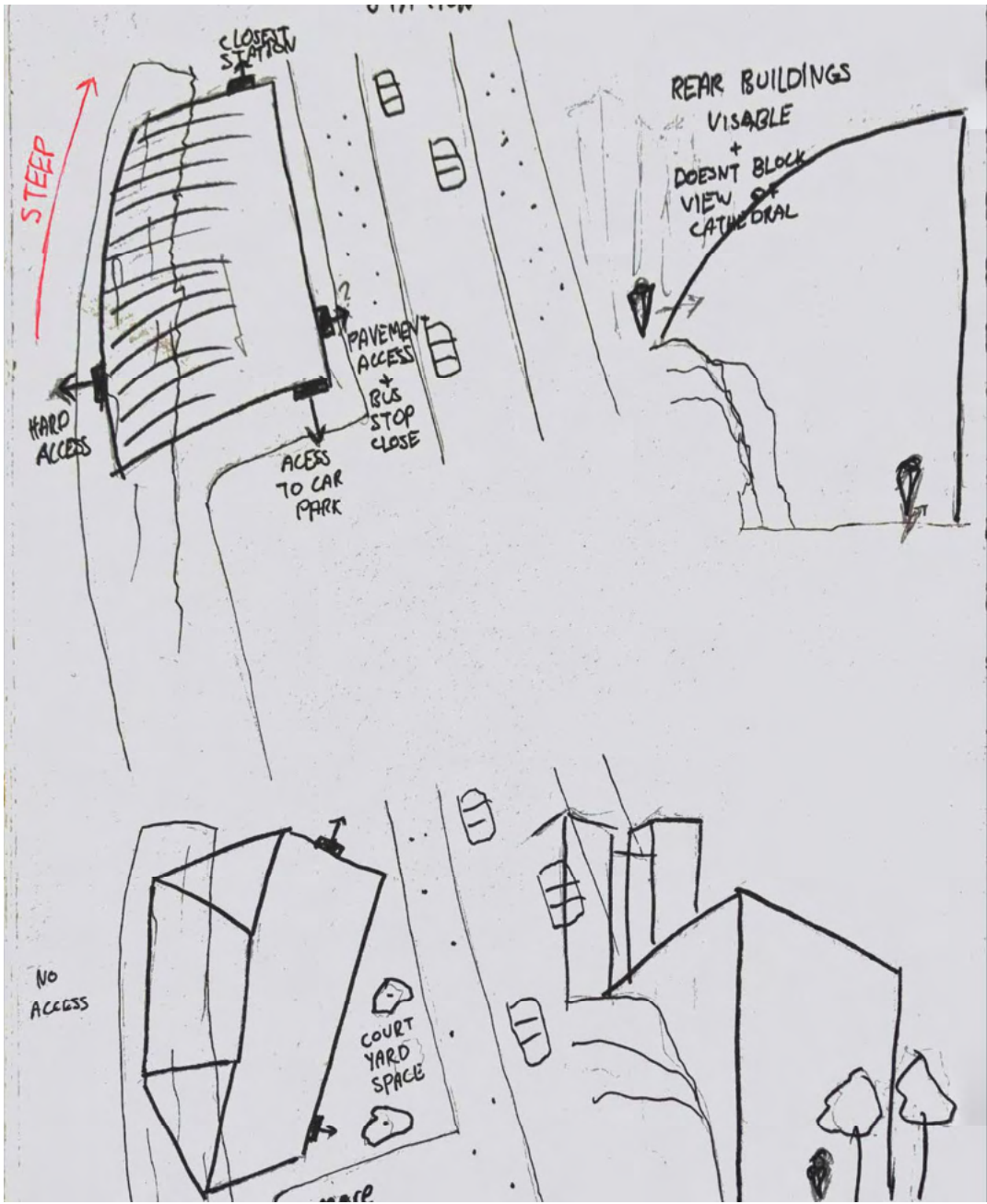Music Busking

Site Anylsis
Areas of Music
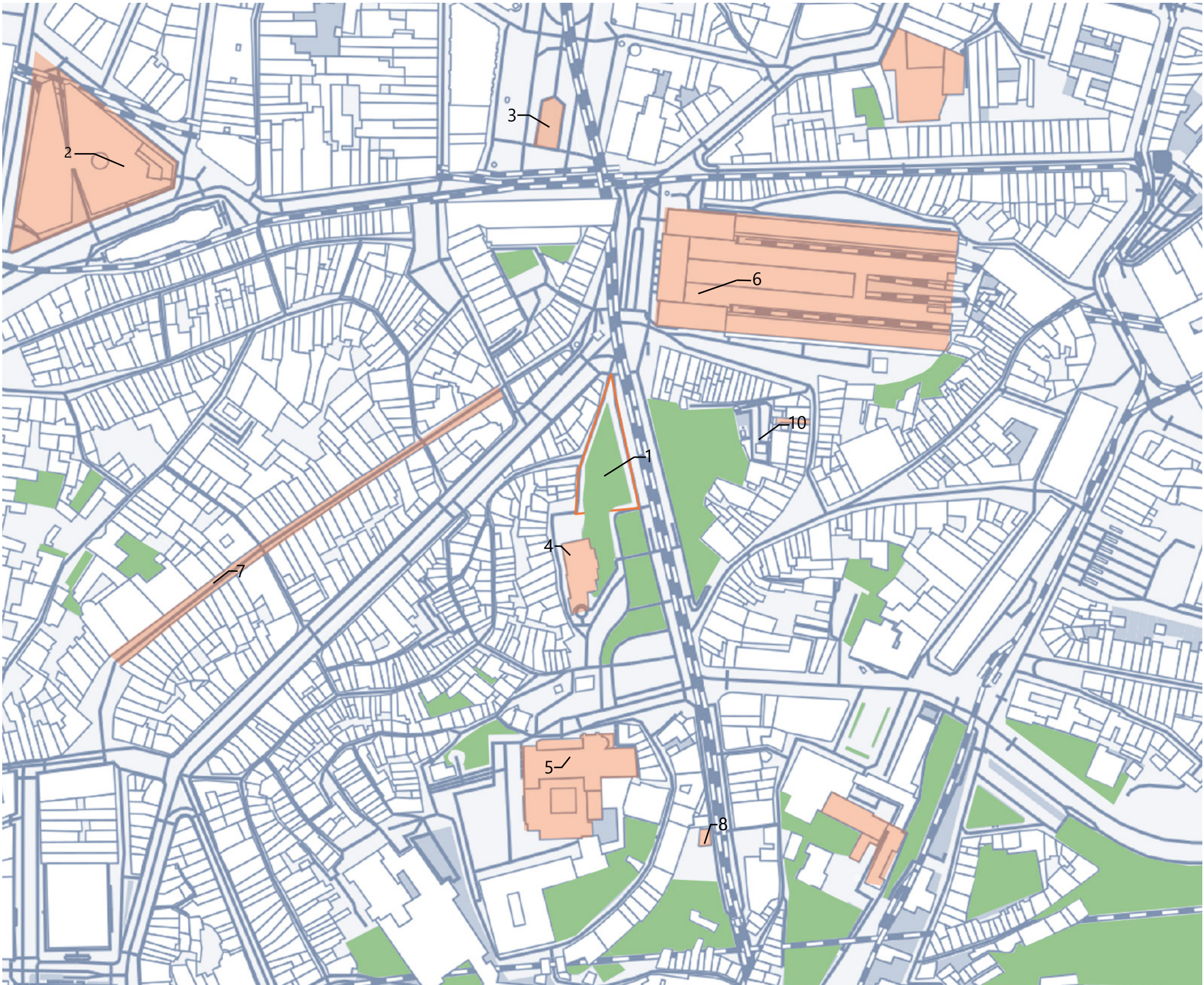
1. Site
In between Sao Bento Station and Canterbury Catherdaral, our site is located on a green plot of land with a large gradent and small rock cliff

2. Parca de Lisboa
A space that was designed to open back up a once derelict site and make it a usable green space for the public

3. Pedro IV Monument
A monument for Pedro IV who ruled over Portugal for a brief period but greatly improved it in his short reign

4. Mercado de S. Sebastião
A market that contained a place for farmers to sell their goods in the centre of Porto. However, it is now scheduled for demolition

5. Sé do Porto
Porto is well known for this cathedral due to it being one of the cities oldest monuments

6. Sao Bento Station
Sao Bento is a station that has beautiful murals depicting moments in Portugal's history

7. R. das Flores
A high street next to out site that contains a multitude of shops and places to eat

8. Frederico Draw Painting
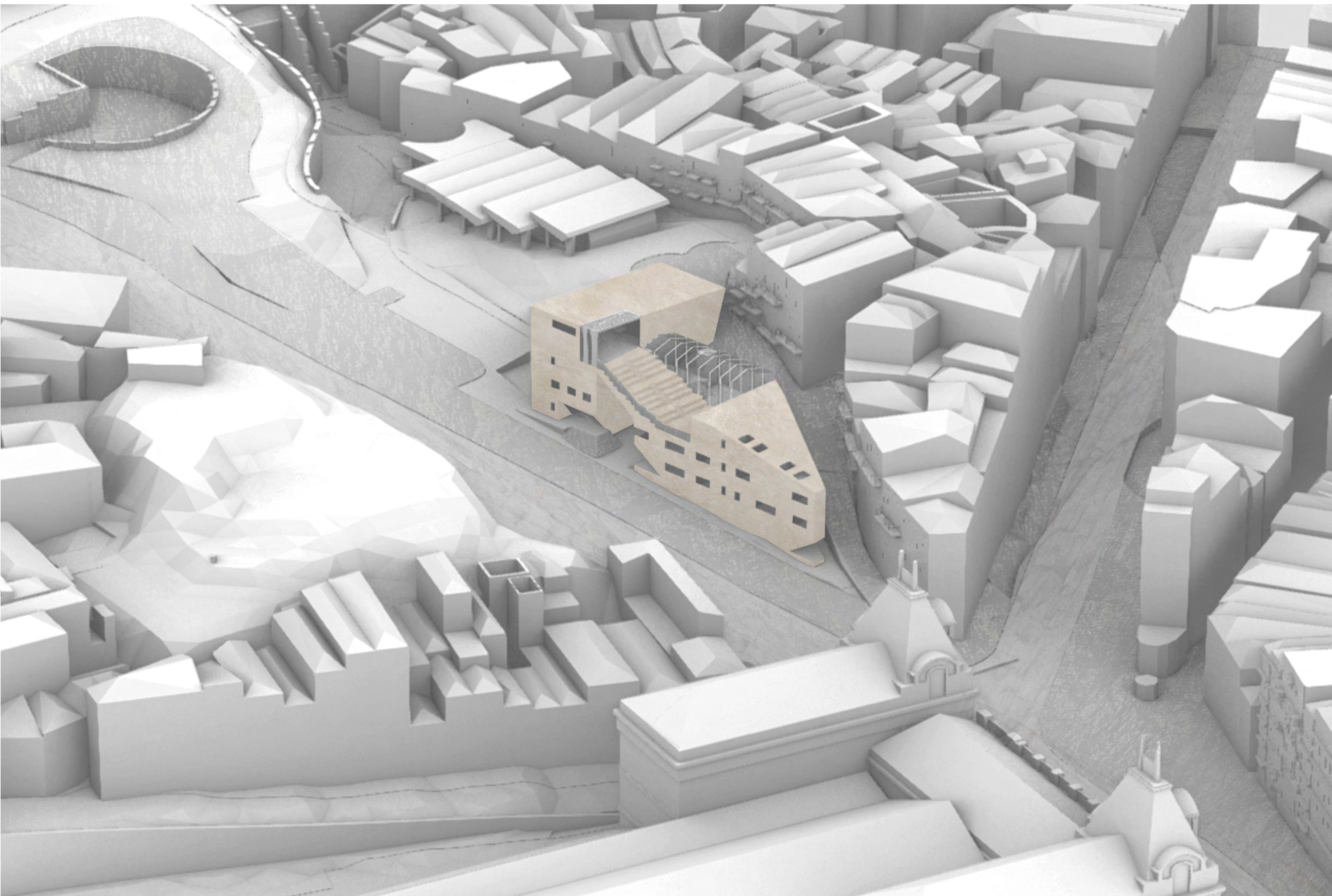An art piece by Frederico Draw welcoming people into Porto
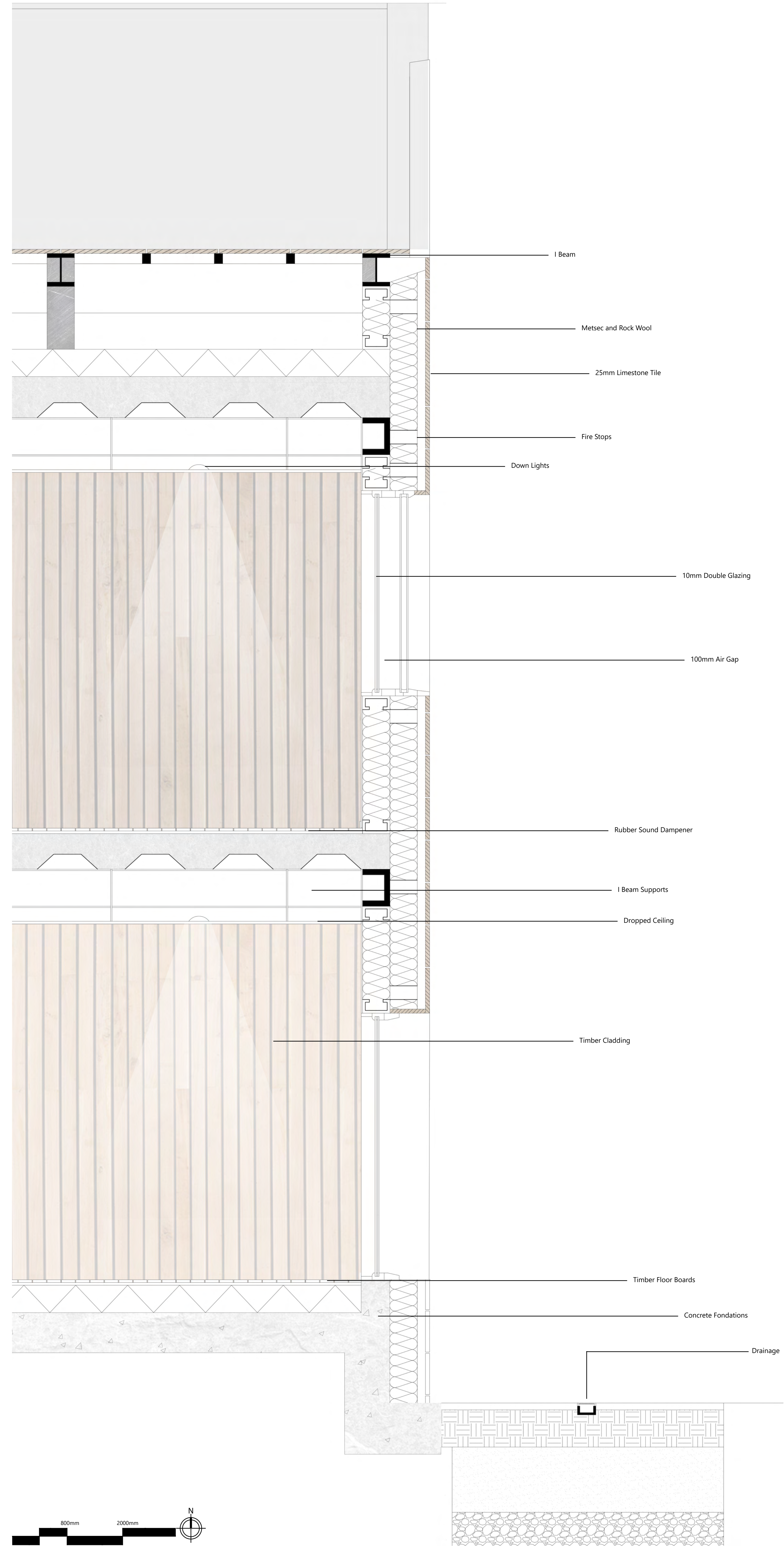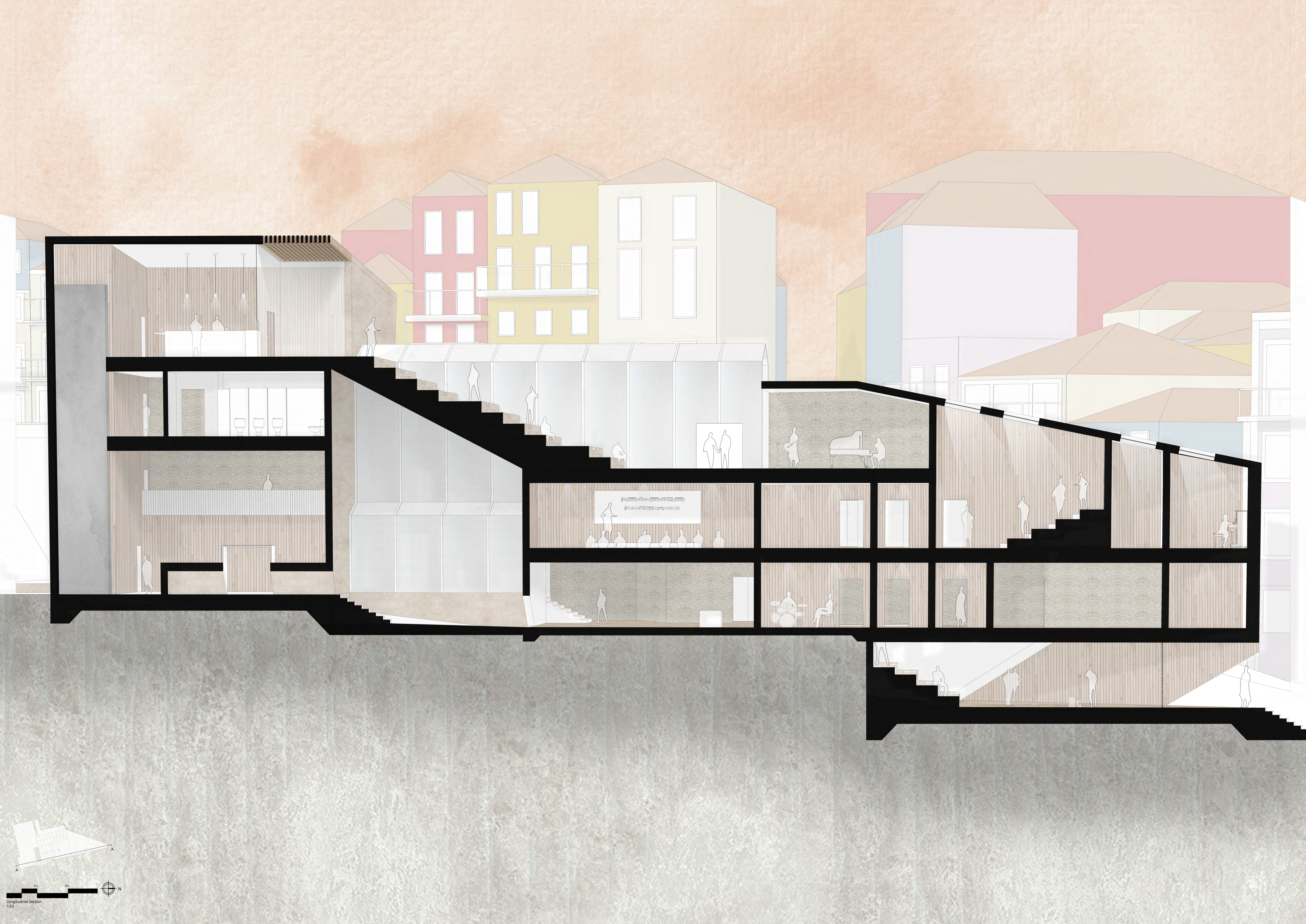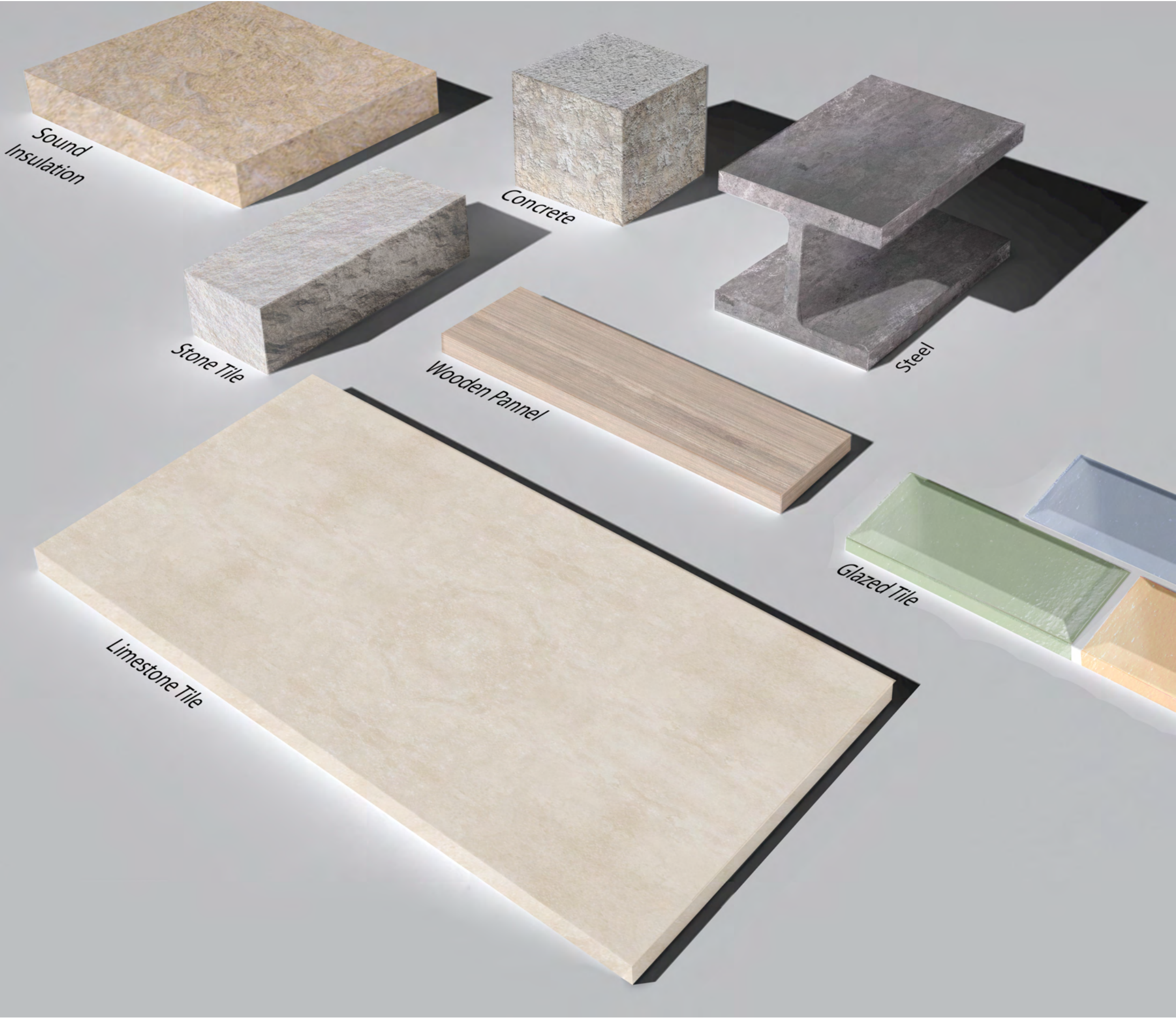
Opportunities and Constraints
Points of interest - Green Spaces

Stairs

Lift

toilets

choir space

fire stairs

music rooms

joining connection

rooftop bar

Auditorium

toilets

Stairs

Lift

Lobby

Adjacency Diagram

Precedents

Top-left sketch labels:
STEEP
CLOSEST STATION
REAR BUILDINGS VISABLE + DOESNT BLOCK VIEW OF CATHEDRAL
HARD ACCESS
ACCESS TO CAR PARK
PAVEMENT ACCESS + BUS STOP CLOSE
NO ACCESS
COURT YARD SPACE

Bottom-right sketch labels:
5 490
305
415
375
6585
play
practice

Contextual Ariel View

I Beam

Metsec and Rock Wool

25mm Limestone Tile

Fire Stops

Down Lights

10mm Double Glazing

100mm Air Gap

Rubber Sound Dampener

I Beam Supports

Dropped Ceiling

Timber Cladding

Timber Floor Boards

Concrete Fondations

Drainage

800mm   2000mm

N

Bay Study
1:50

Longitudinal Section
1:50

Interior - Exterior Views

Sound Insulation
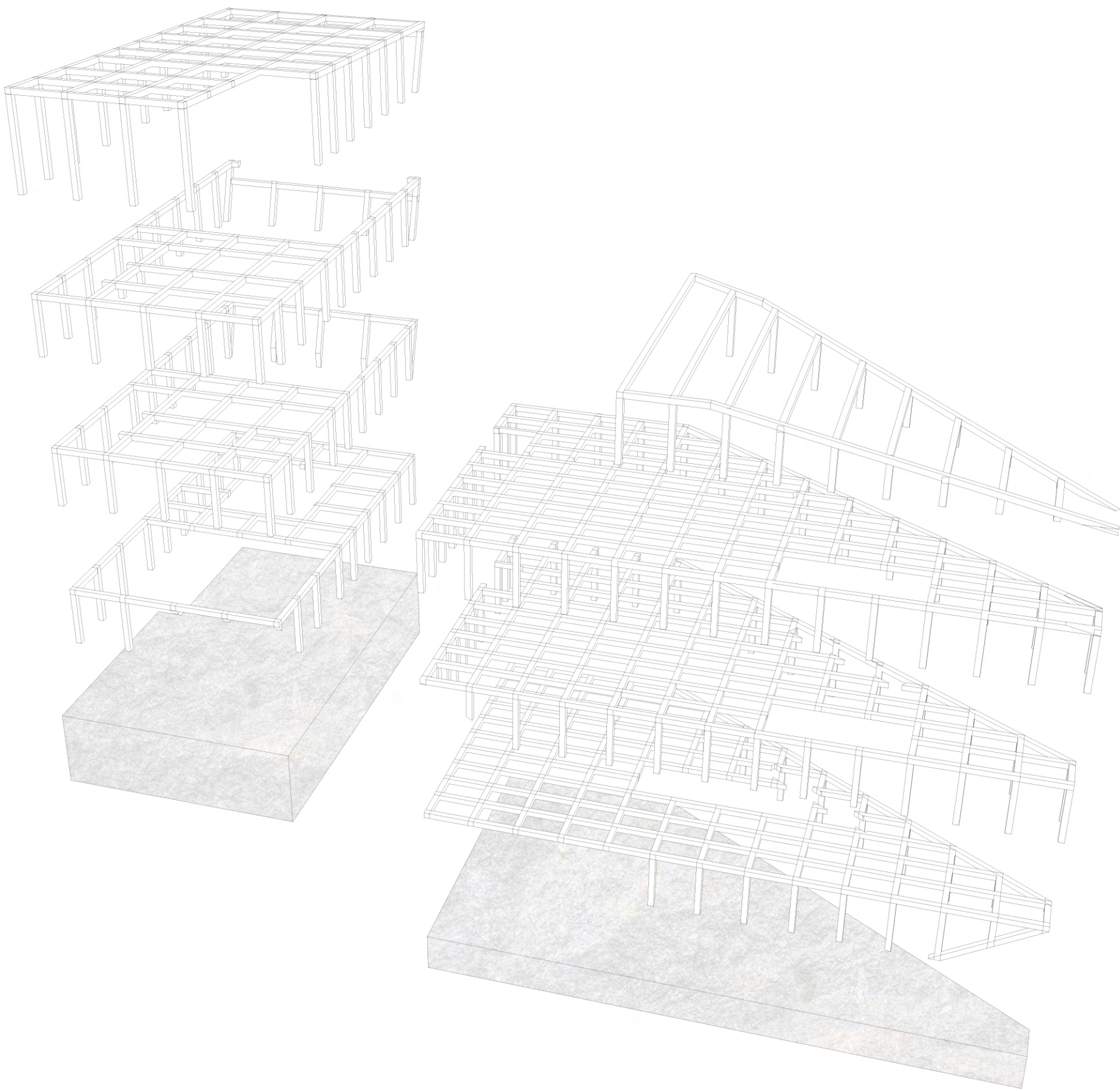
Concrete

Stone Tile

Wooden Pannel

Steel

Limestone Tile

Glazed Tile

Embodied Carbon

Structure

Steel

- Volume 98.1431695 m^3

- Embodied carbon of Steel 17276 kg/m^3

-Total embodied carbon of steel structure = 1,695,564 kgCO2
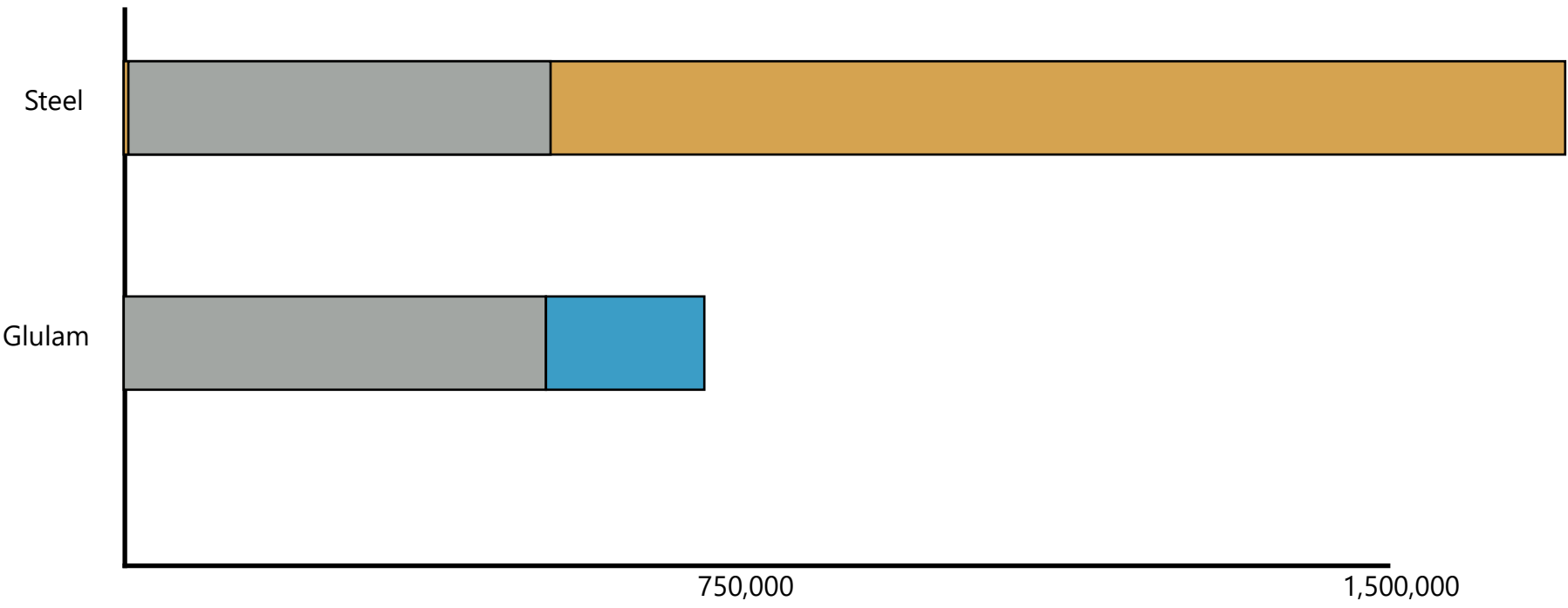
Glulam

- Volume 196.286339 m^3

- Embodied Carbon of concrete 256 kg/m^3

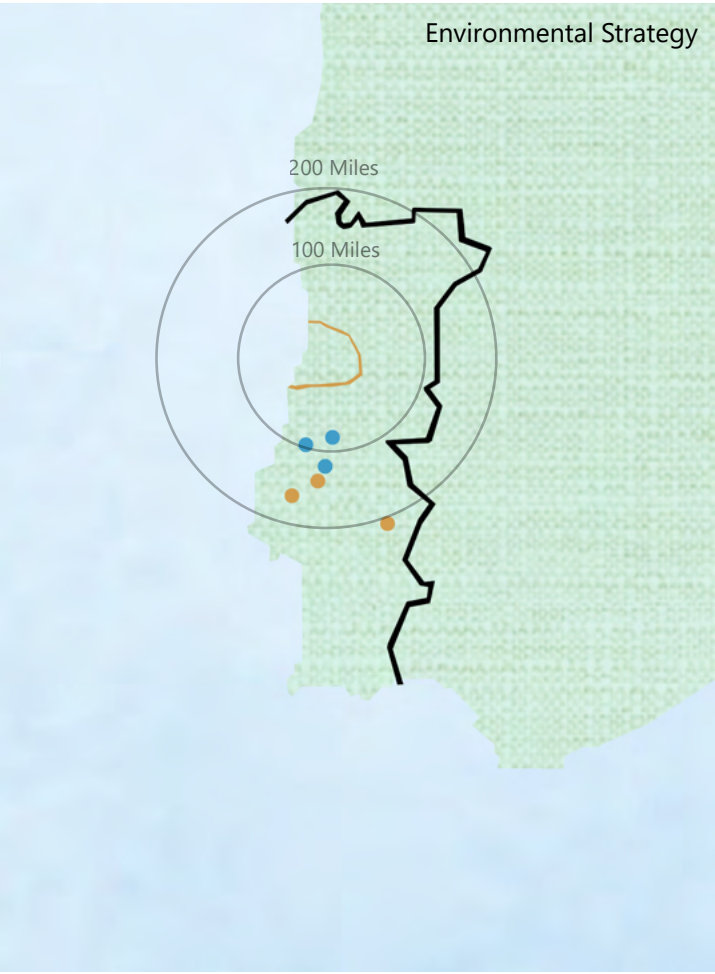-Total embodied carbon of steel structure = 50,249 kgCO2

Foundations

Concrete

- Volume 1069.76714m^3

- Embodied Carbon of concrete 495 kg/m^3

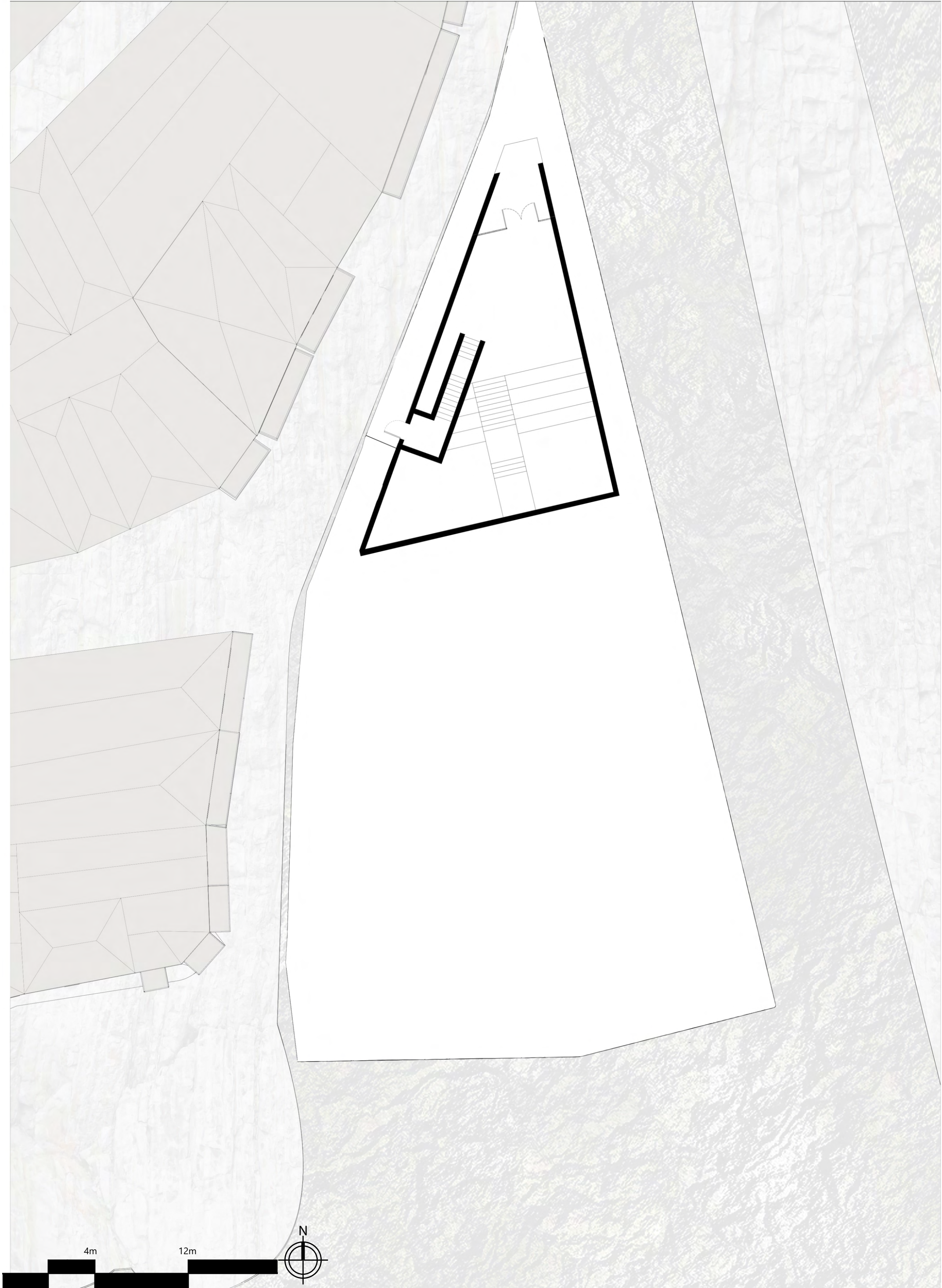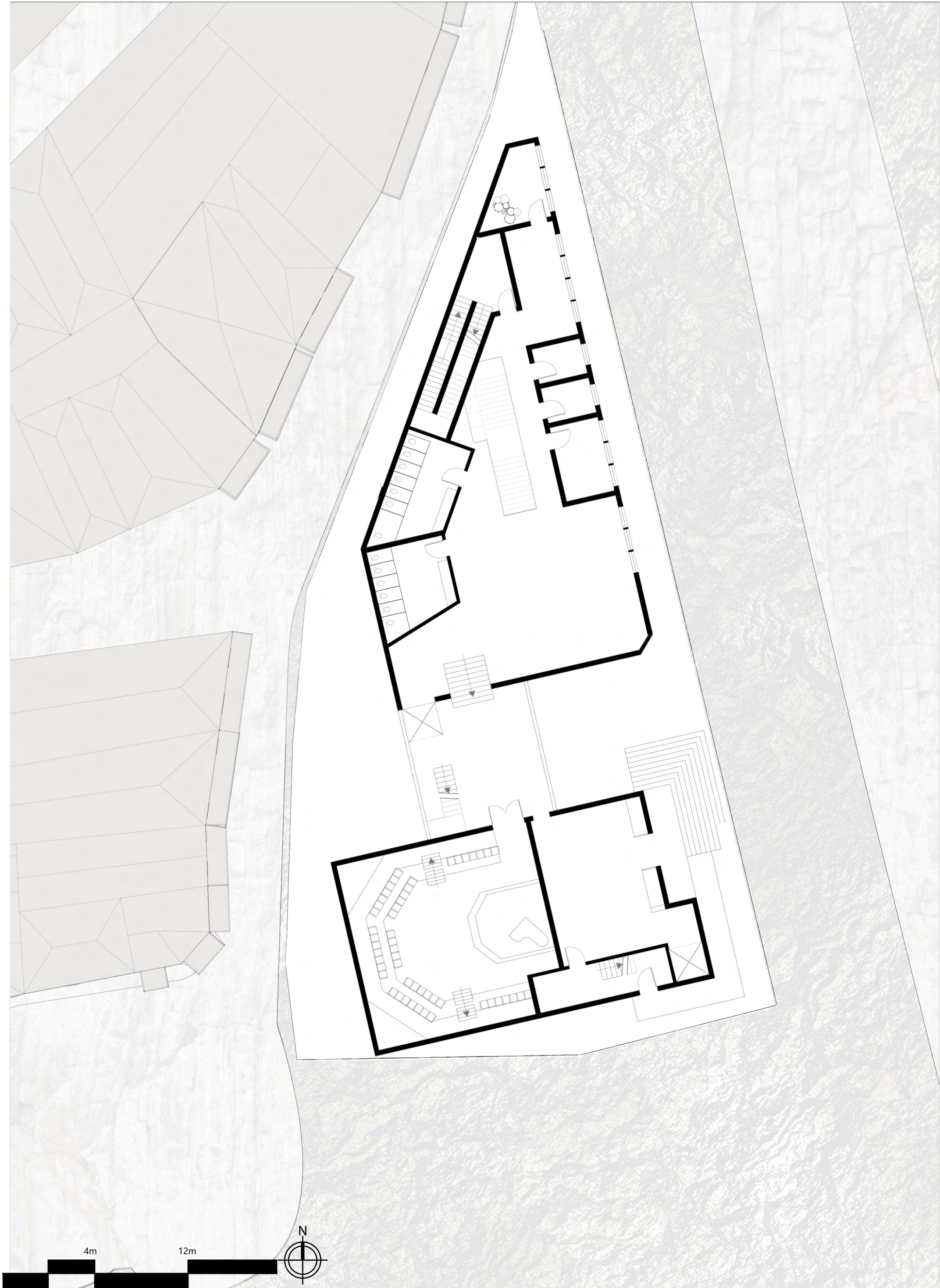-Total embodied carbon of steel structure = 529,640 kgCO2

Strategies

Environmental Strategy

200 Miles

100 Miles

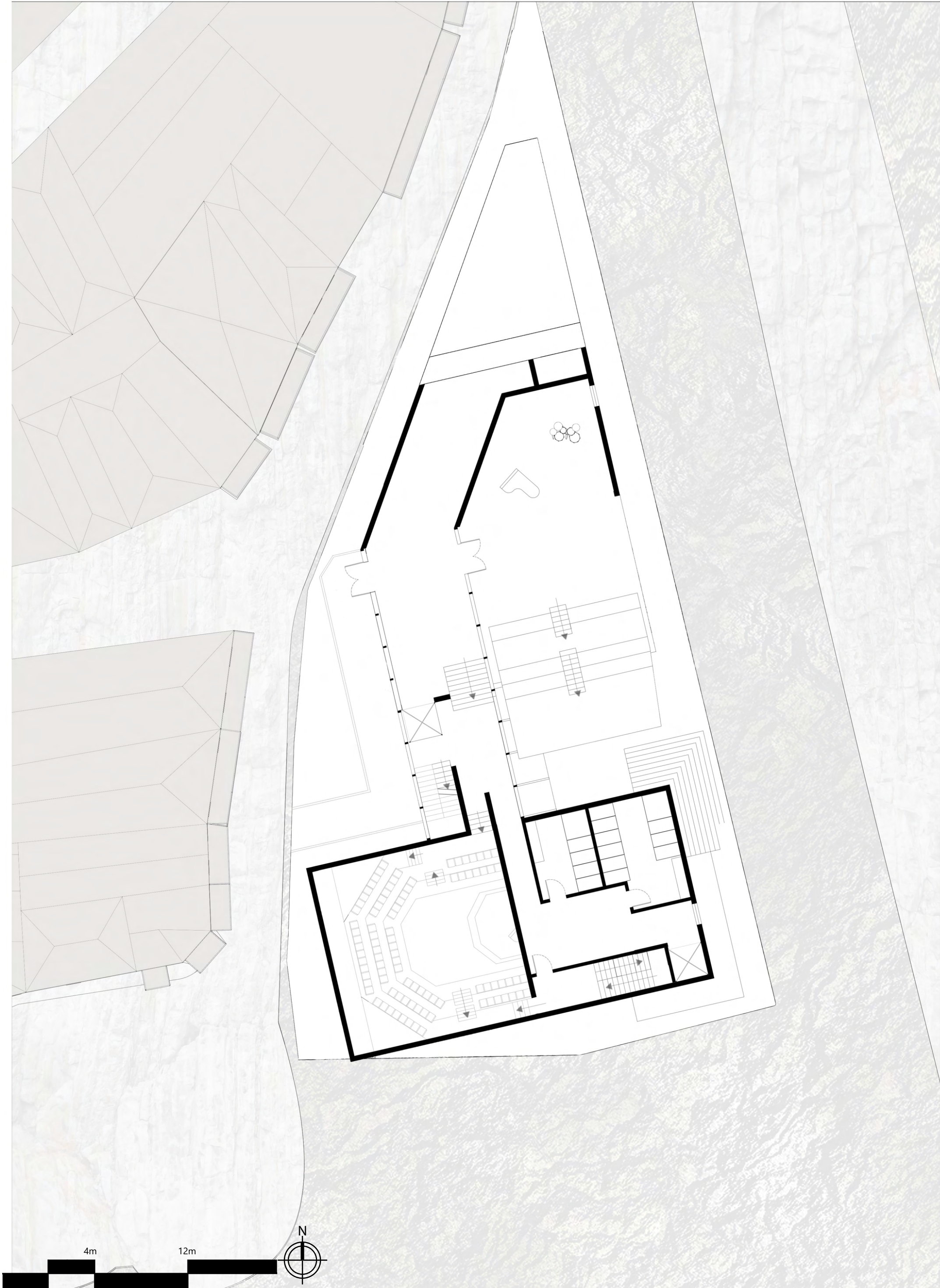Steel

Glulam

750,000

1,500,000

Access

Ground Floor Plan
1:200

N

4m   12m

First Floor Plan
1:200

4m   12m

N

Second Floor Plan
1:200

4m   12m

N

4m   12m

N

Fourth Floor Plan
1:200

4m   12m

N

B

B

4m   12m

N
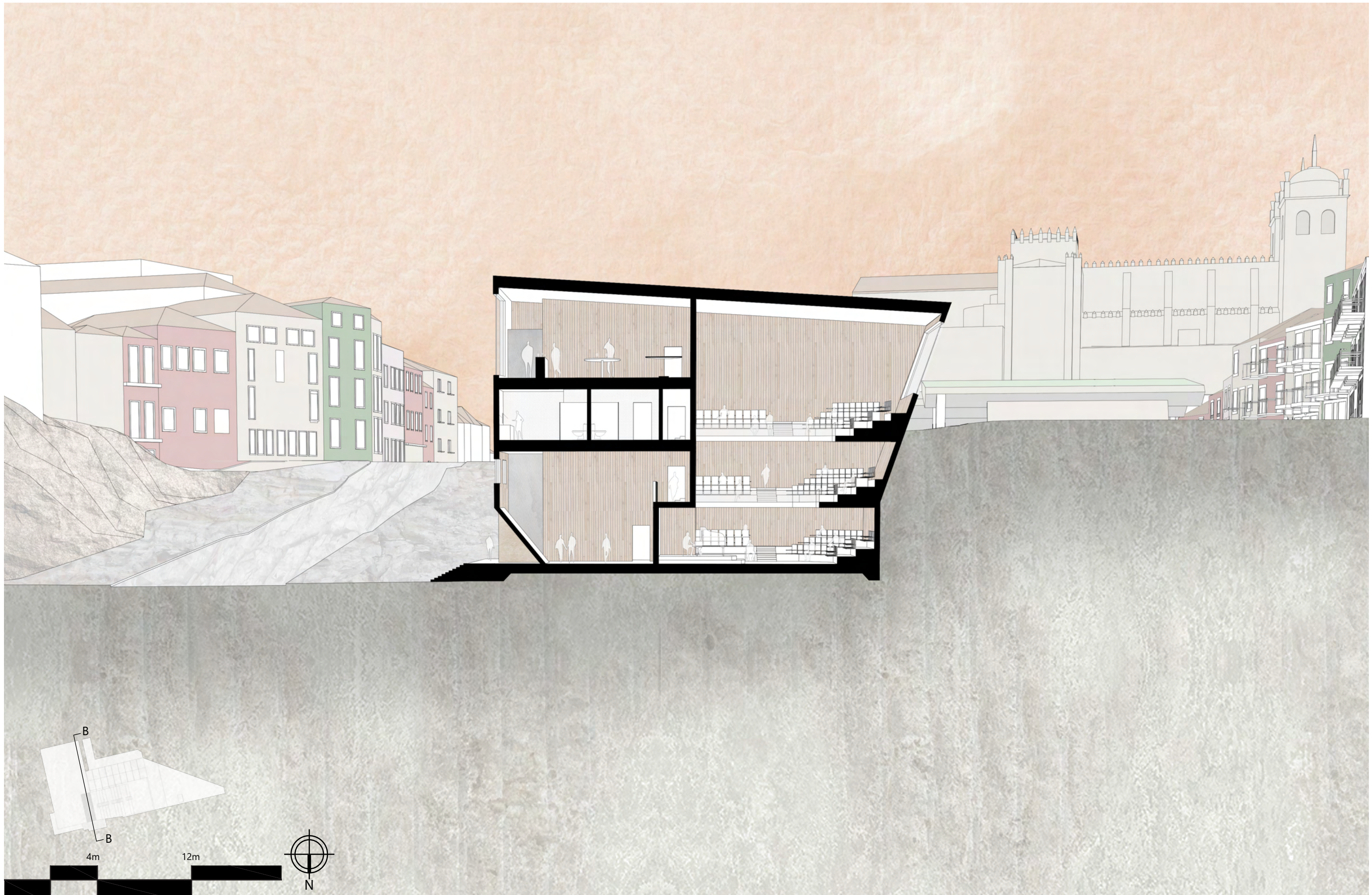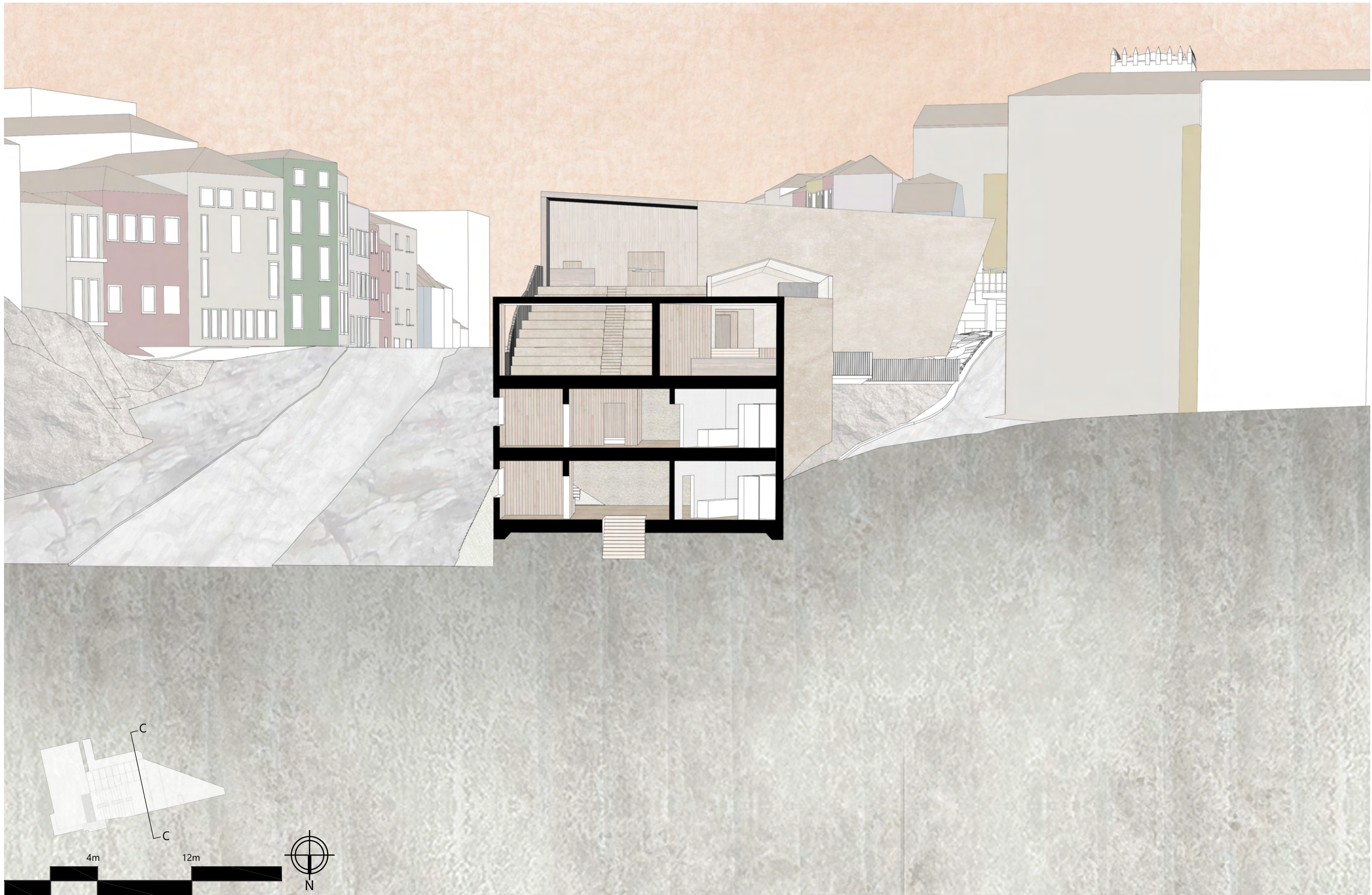
Section
1:200

Section
1:200

4m   12m

N
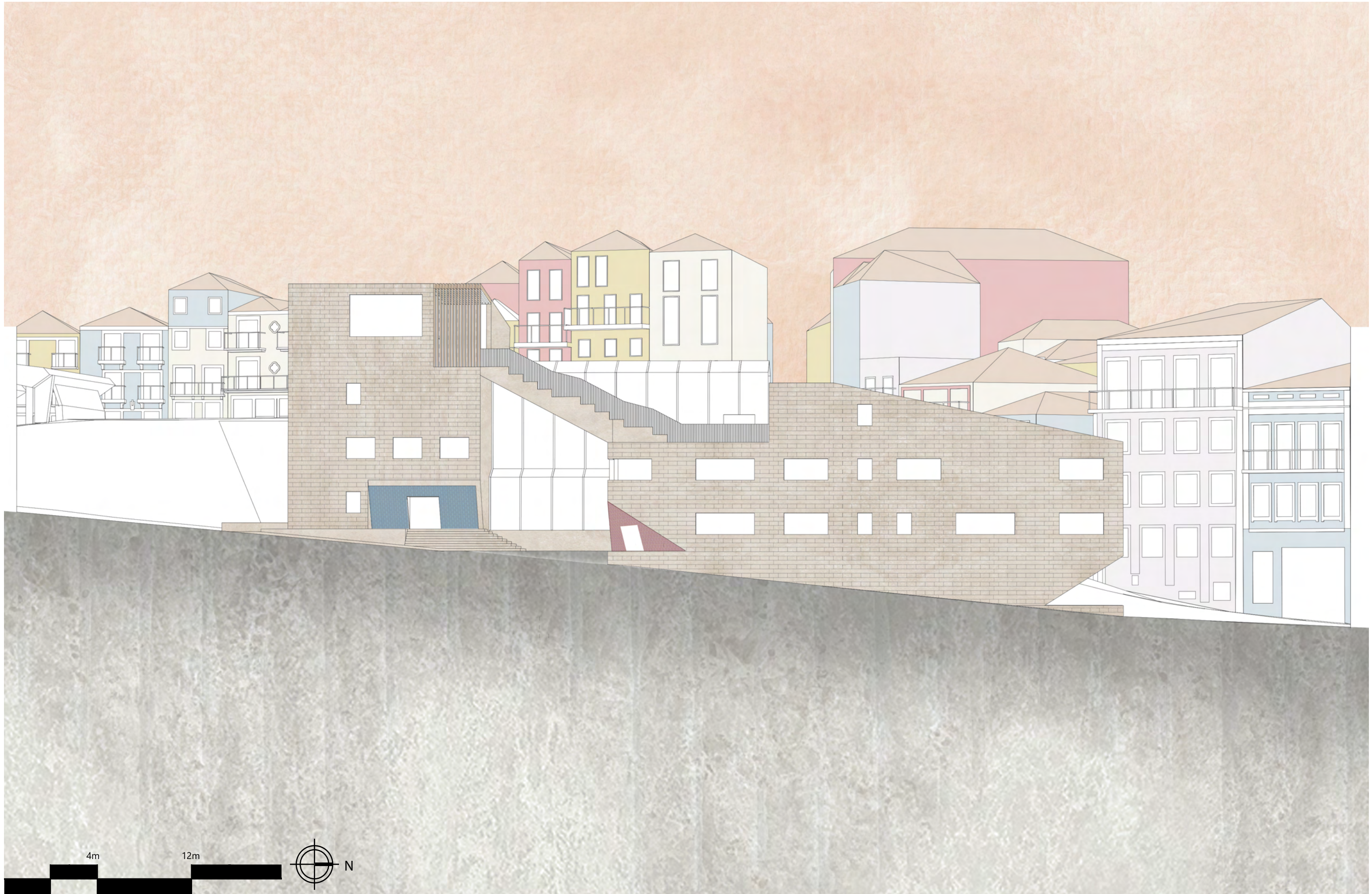
4m　　12m

N

Elevation
1:200

Elevation
1:200

4m   12m   N

Physical Model

Physical Model