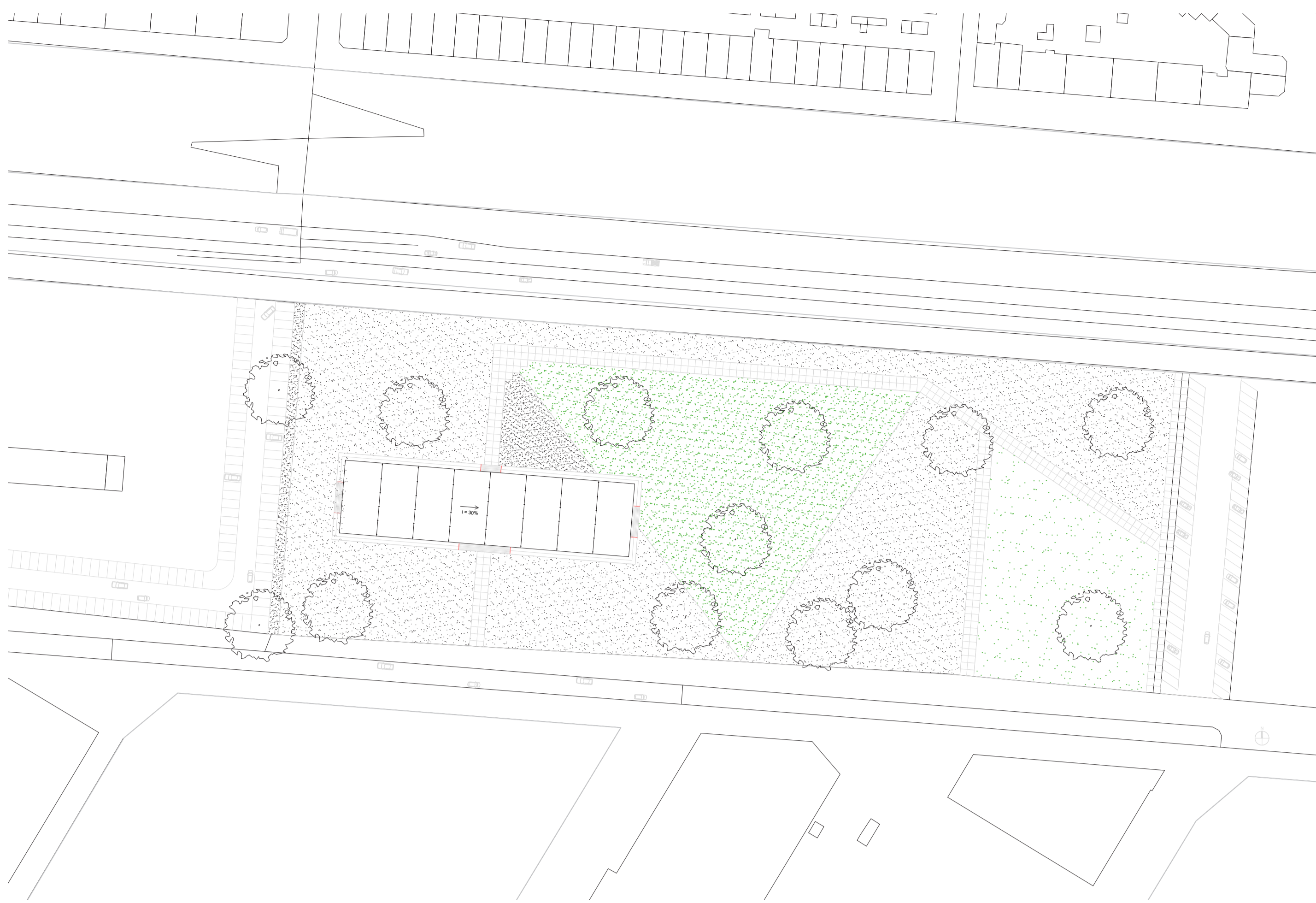


EARTH PAVILION



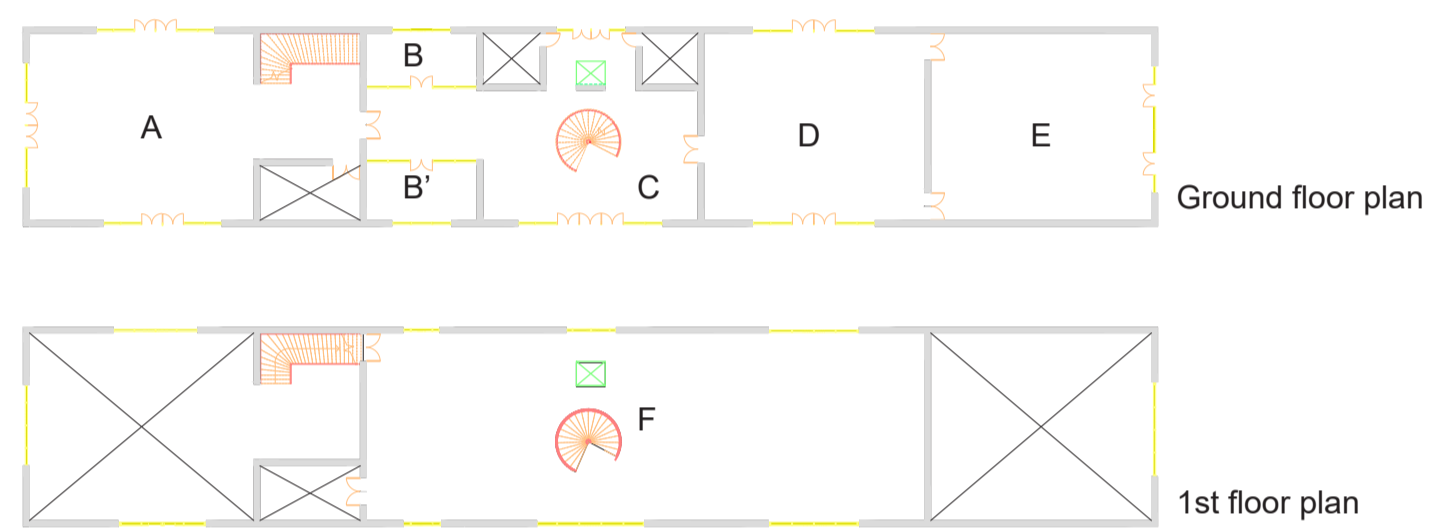
IMPLEMENTATION PLAN | 1:1000



SITE PLAN | 1:500

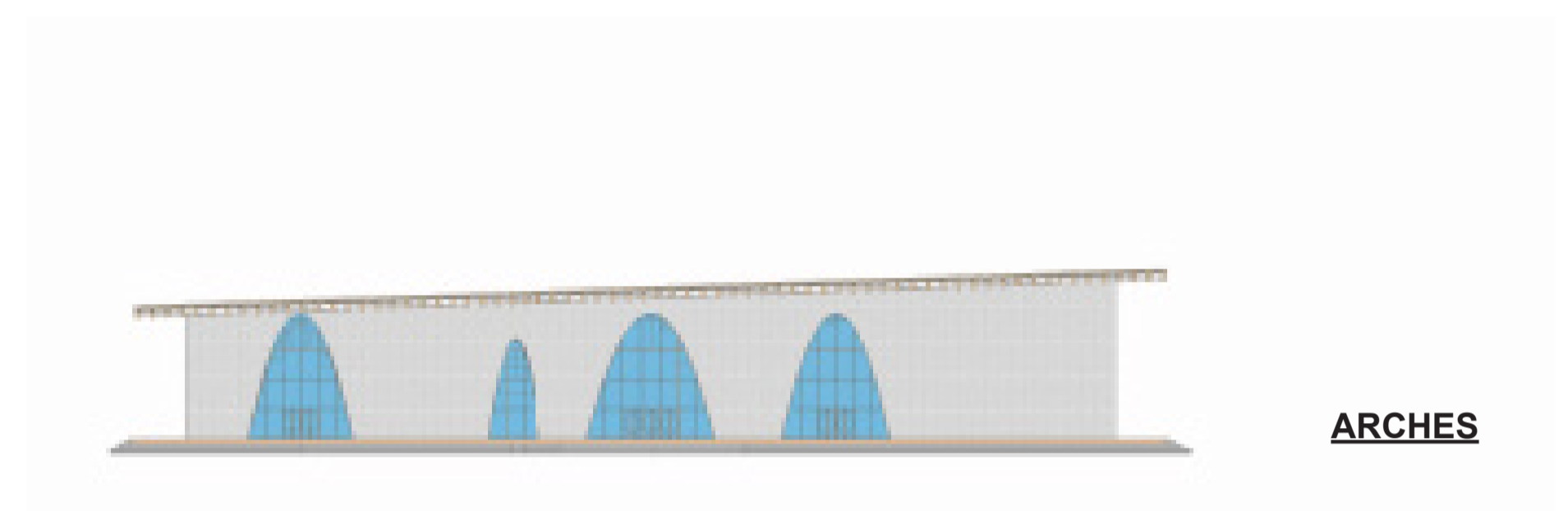
01. | DIAGRAM

1:500

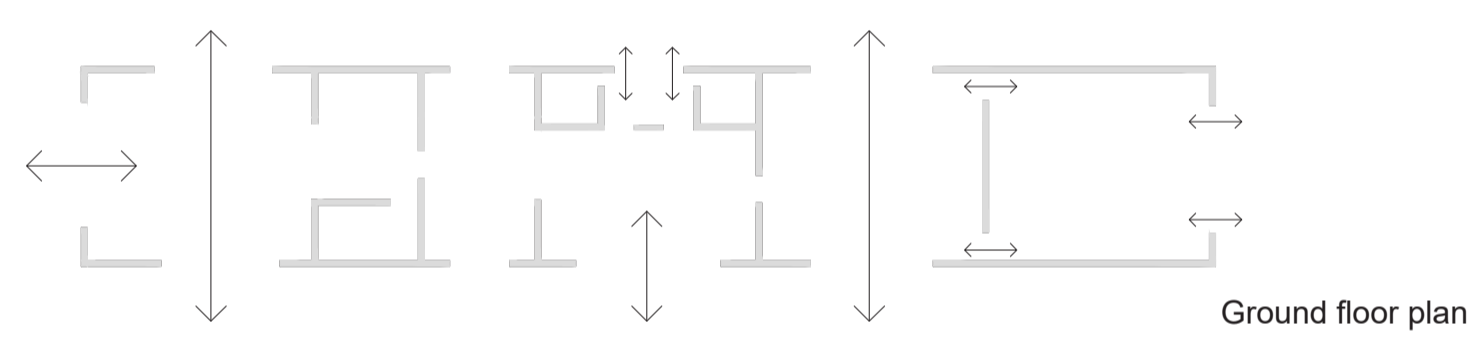


PROGRAM

- A - Workshop
- B - Meeting Room
- C - Entree/Reception
- D - Coffe/bar
- E - Auditorium
- F - Exhibition space



ARCHES



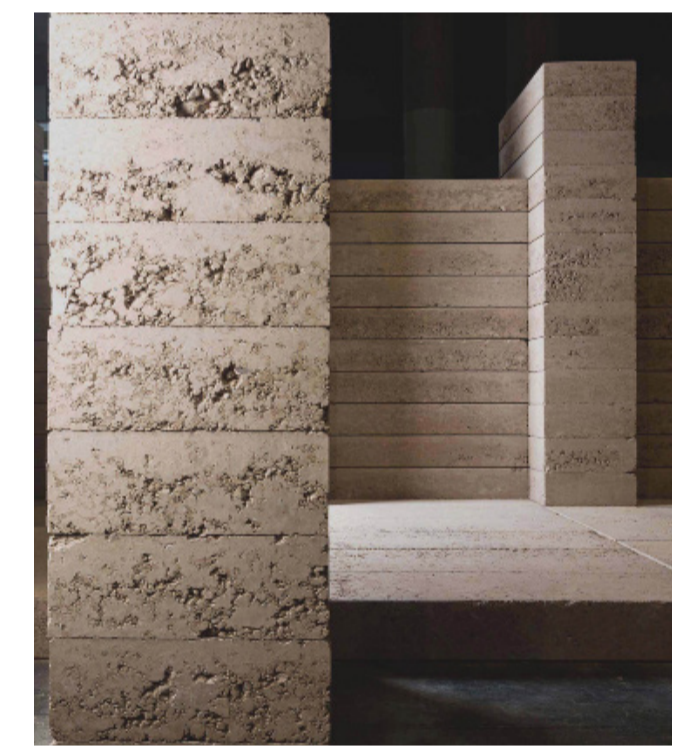
CIRCULATION / INSIDE-OUTSIDE

02. | MATERIAL

COMPRESSED EARTH BLOCK

- SANDY
- CLAY
- GRAVEL
- WATER

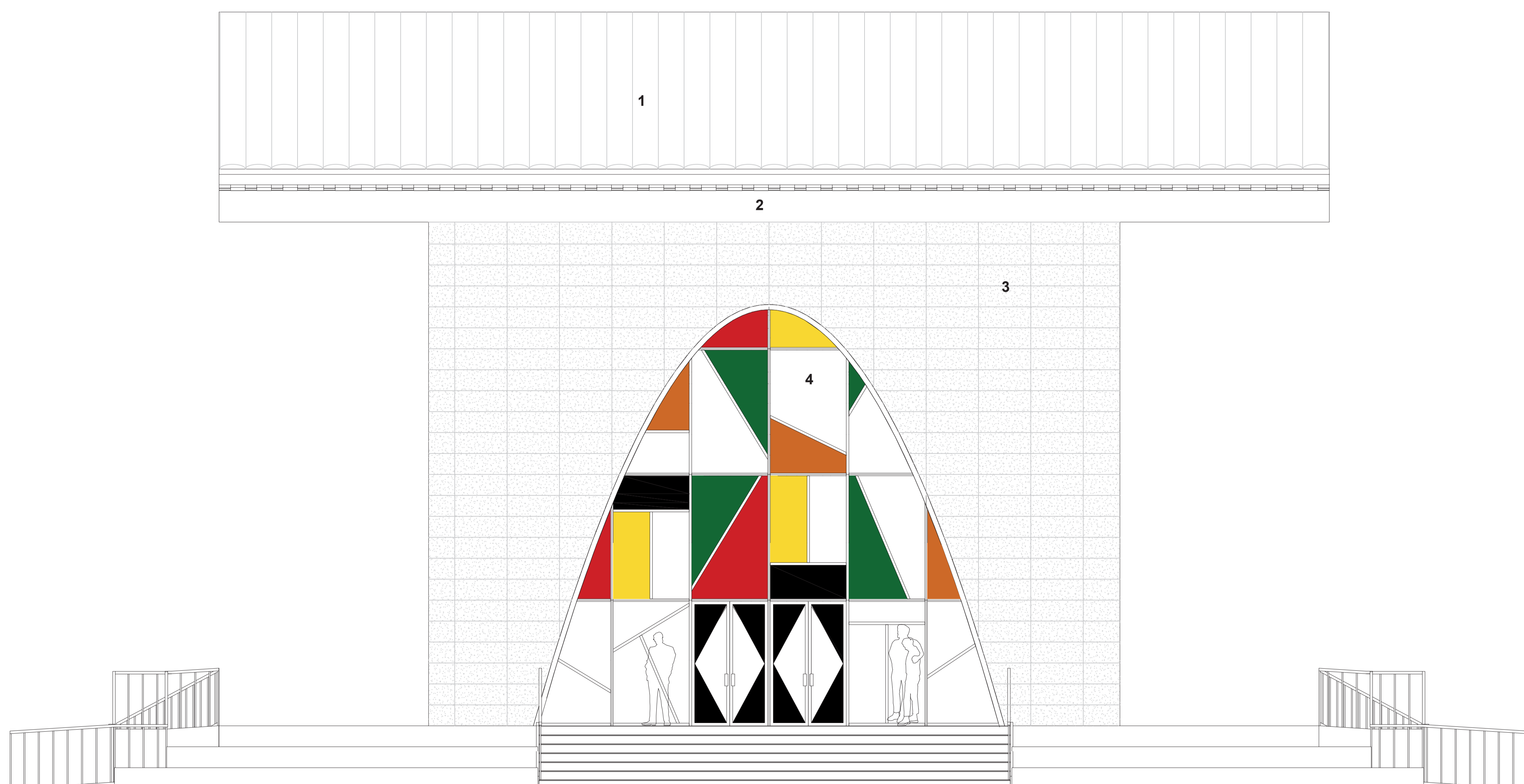
PRODOTTO	Tridiblock Lr
DIMENSIONI	100 x 40 x 18 cm
PESO	125 kg
IMPIEDIMENTO MURO	40 cm



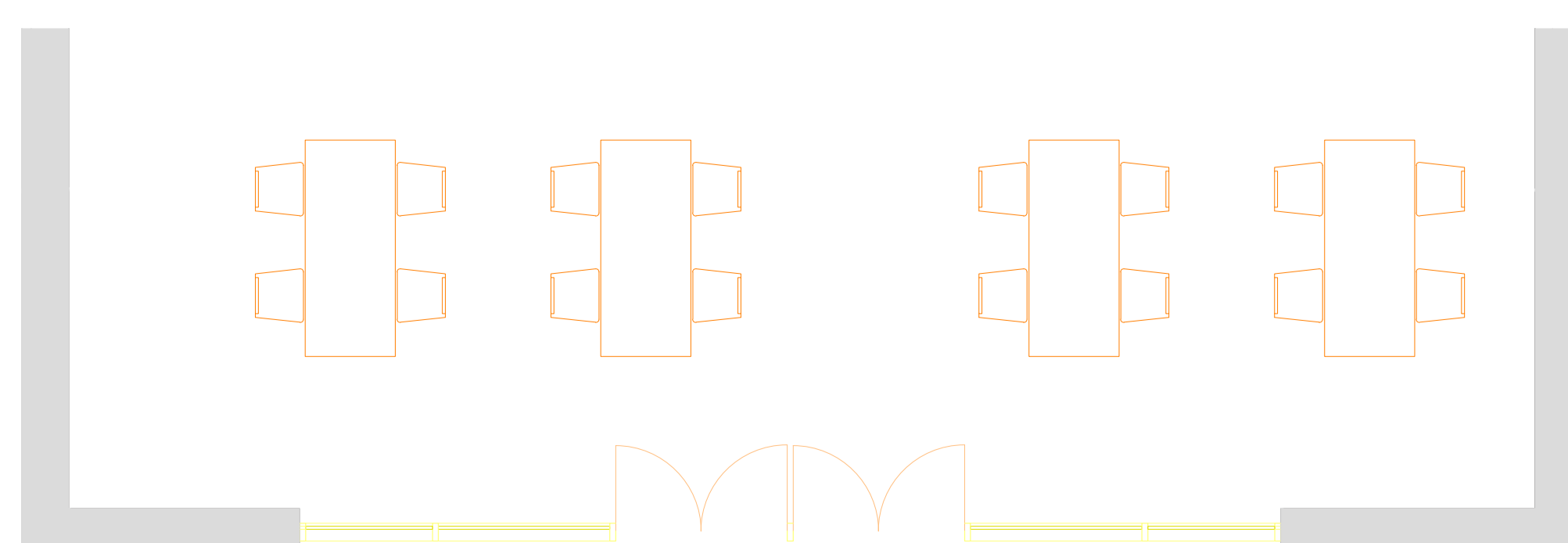
03. | FRAGMENT DETAIL

1:500

1. Waves black plates
2. Wood roof construction
3. Compressed earth blocks
4. Antique colored glass



WEST ELEVATION | 1:50



GROUND PLAN | 1:50

04. | BUILDING WITH EARTH

Earth as a building material is one of the oldest and most used resources by humans. Even today, in various regions around the globe, raw earth (soil) is used in the construction of houses.

Advantages of Earth Building

1. 100% Natural Local Resource

2. Very low Carbon Footprint

Earth buildings use very little by way of manufactured or processed materials; the amount of energy consumed in construction is low therefore reducing the environmental impact

3. Climatic control

As a high mass material earth evens out temperature fluctuations by time-delayed releasing of absorbed solar energy thus providing a stable and comfortable internal temperature (passive solar heating)

4. Moisture control

Earth has the great ability to absorb and release moisture from the indoor air thus stabilizing humidity inside rooms and providing a healthy living environment (prevents mould)

5. Noise control

Earth buildings have very low sound transmission levels

6. Fire resistance

Earth walls are non combustible providing a lower fire risk factor for the building

7. Detoxifying effect

Earth walls are completely breathable and have the ability to absorb toxins and smells from the indoor air

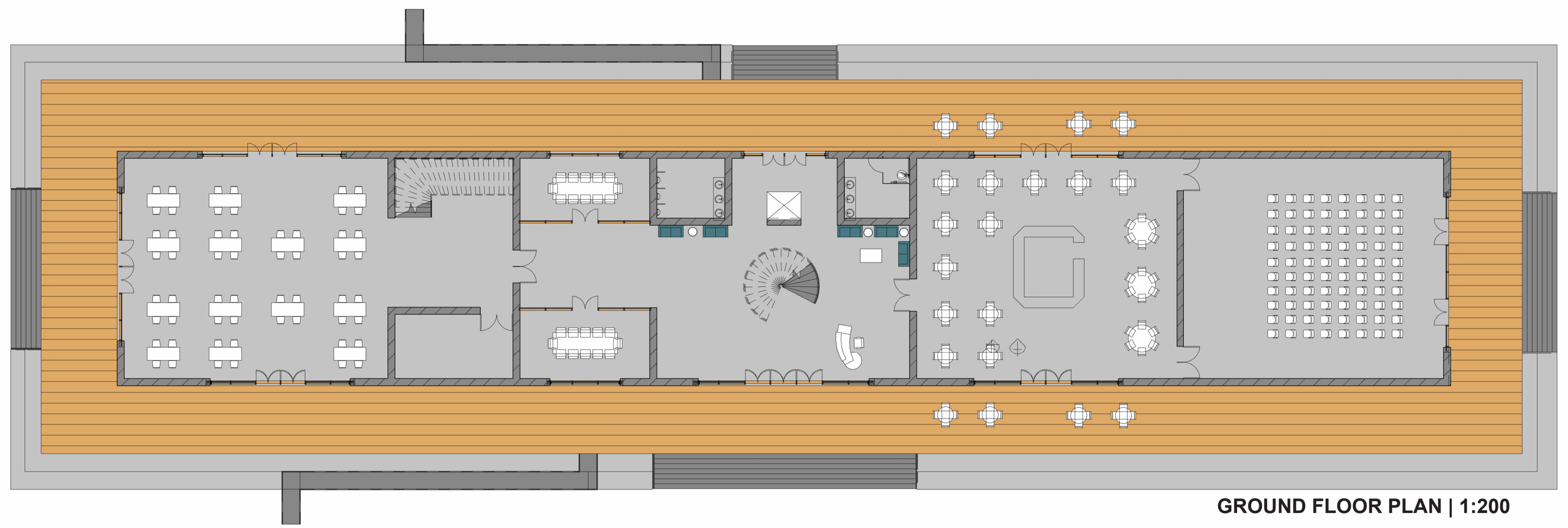
8. Life cycle cost

Low maintenance and heating costs equate to a low lifetime cost for the building. As energy costs rise, energy efficient buildings will have a greater value

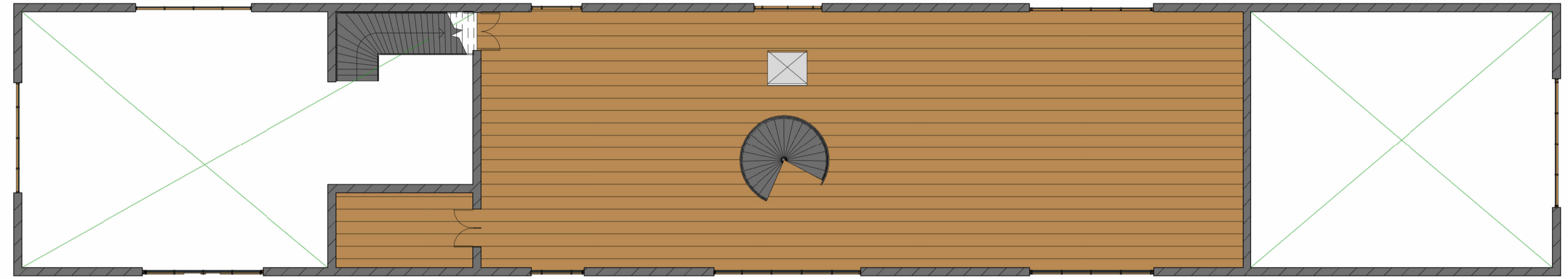
Unstabilized earth is fully recyclable

9. Beauty of Colours & Textures

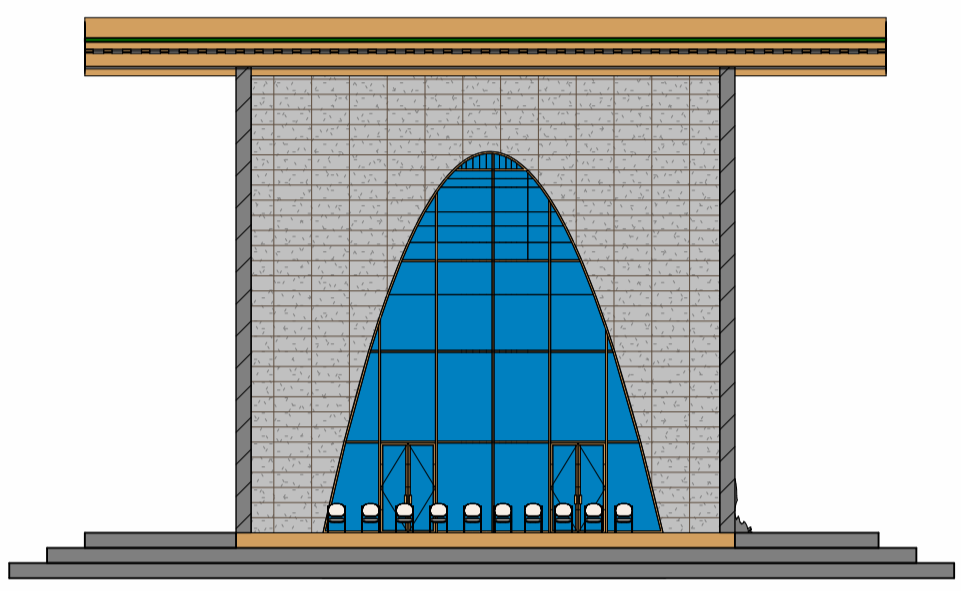
Unstabilised earth is very agreeable to work with and offers a huge potential for personal creativity



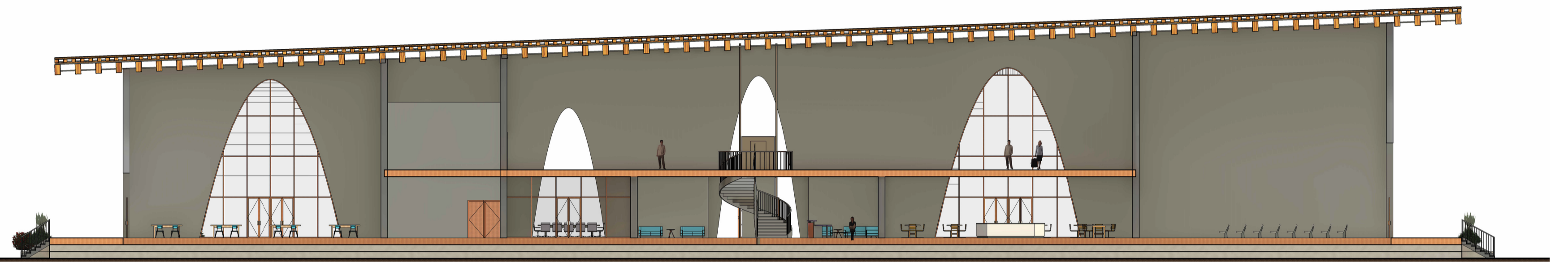
GROUND FLOOR PLAN | 1:200



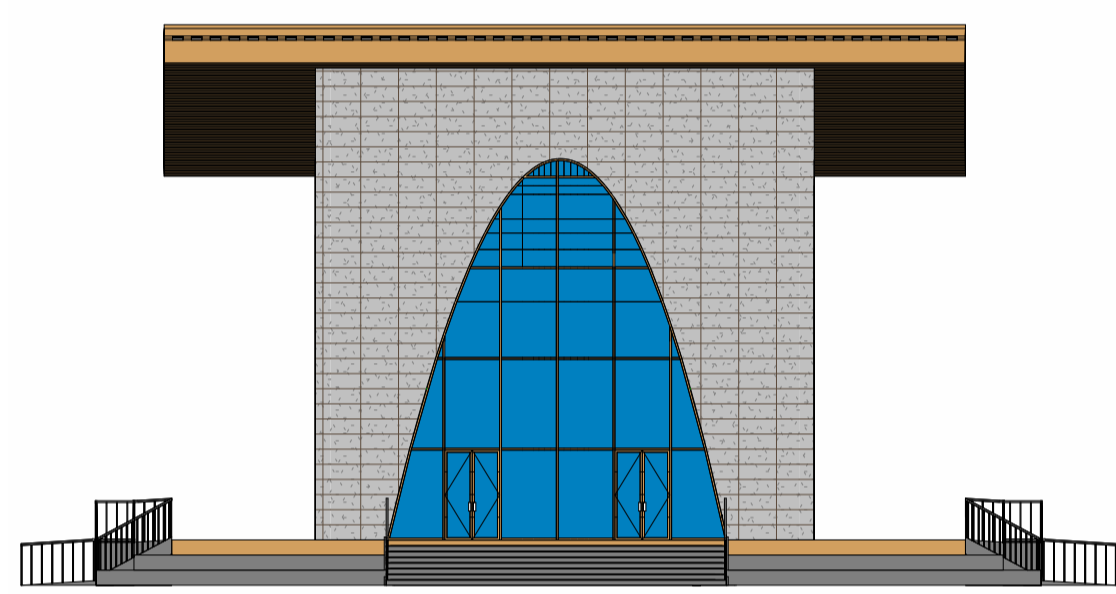
1ST FLOOR PLAN | 1:200



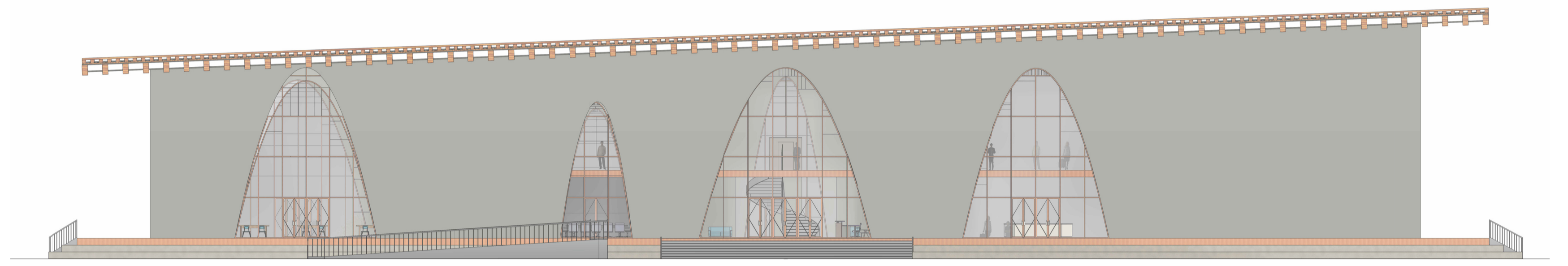
SECTION B-B' | 1:200



LONG SECTION A-A' | 1:200



WEST ELEVATION | 1:200



SOUTH ELEVATION | 1:200

