



# PORTFOLIO

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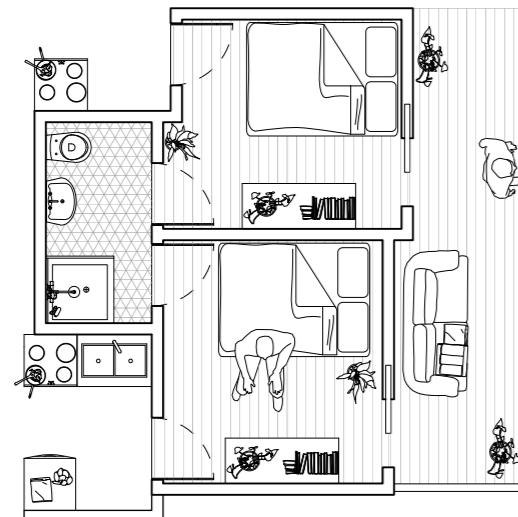
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UNIT PLAN AND SECTION



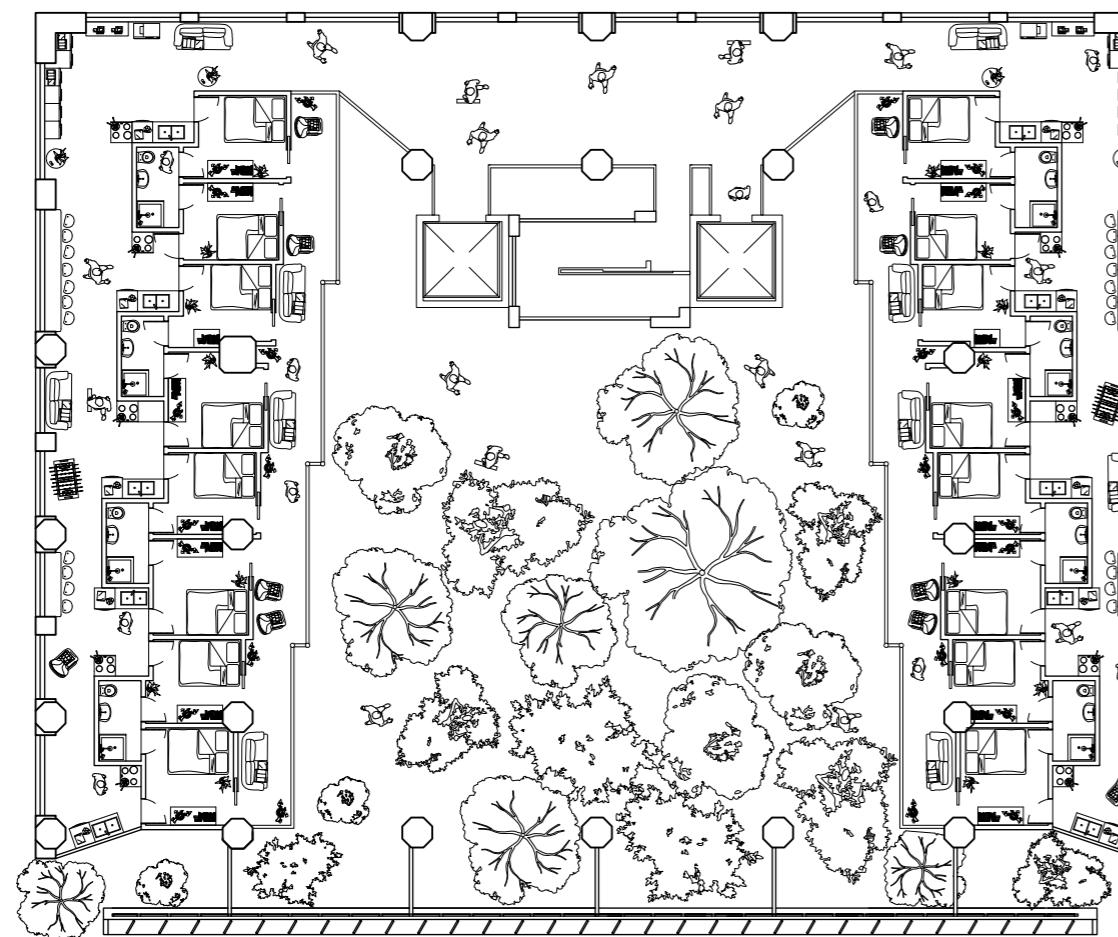
Student Housing Project

The units are distributed into a U shape with a gradient of private to public directing outwards to the corridor. This shape is followed both in plan and section to allow maximum views to the garden. Each unit shares a bathroom and a kitchen with the adjacent unit on either side and an accessible balcony for all the units.

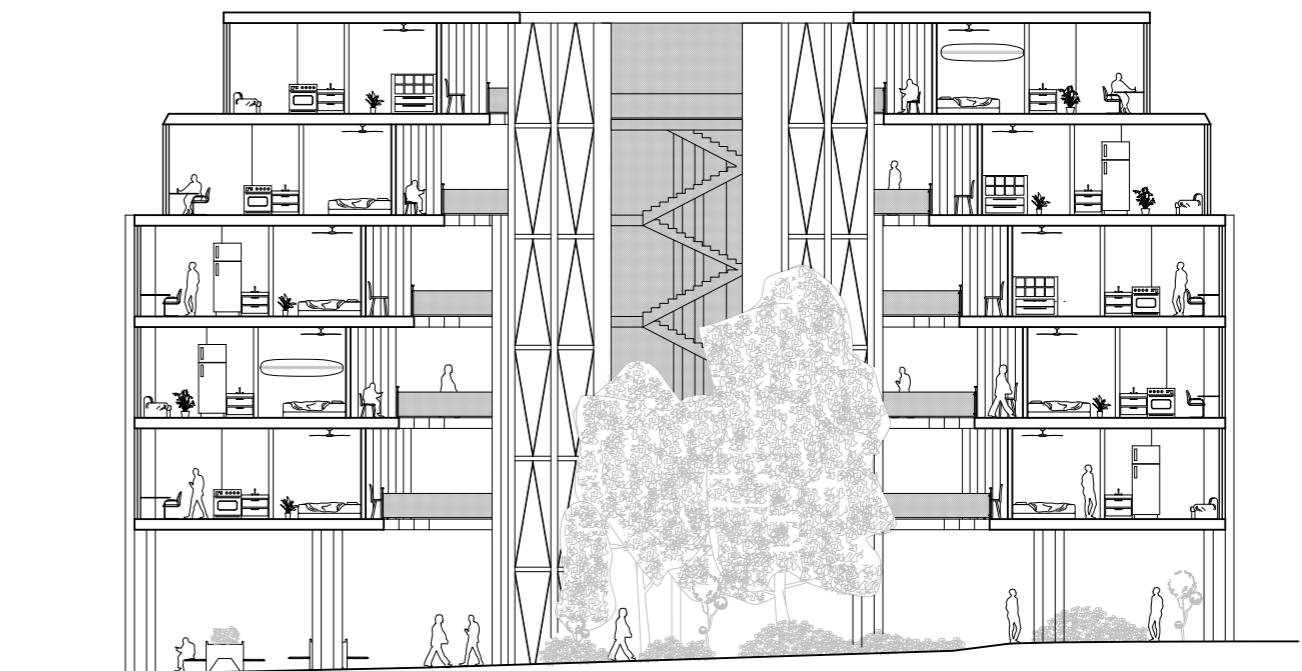
The building was inspired by Kevin Roche's Ford Foundation through its large atrium. The units occupy only a portion of the site, with the remainder devoted to an interior garden for all students living in the housing and the public. The lower floors are stepped back to create terraces overlooking the garden which provides a focal point for everyone to enjoy. The aluminium facade cantilevers from the columns to create a floating effect when walking into the building, whilst reflecting direct sunlight from the northerly orientated blinds.

The student housing has been designed to rely on heating and cooling through deciduous trees, whilst reducing carbon emissions and reusing demolished materials. The cleanly demolished concrete will be reused in creating walls for the units, and all concrete that cannot be salvaged will be crushed into small pieces to be used for ground floor loose pavement.

TYPICAL PLAN



SECTION



NORTH ELEVATION



INTERIOR RENDER



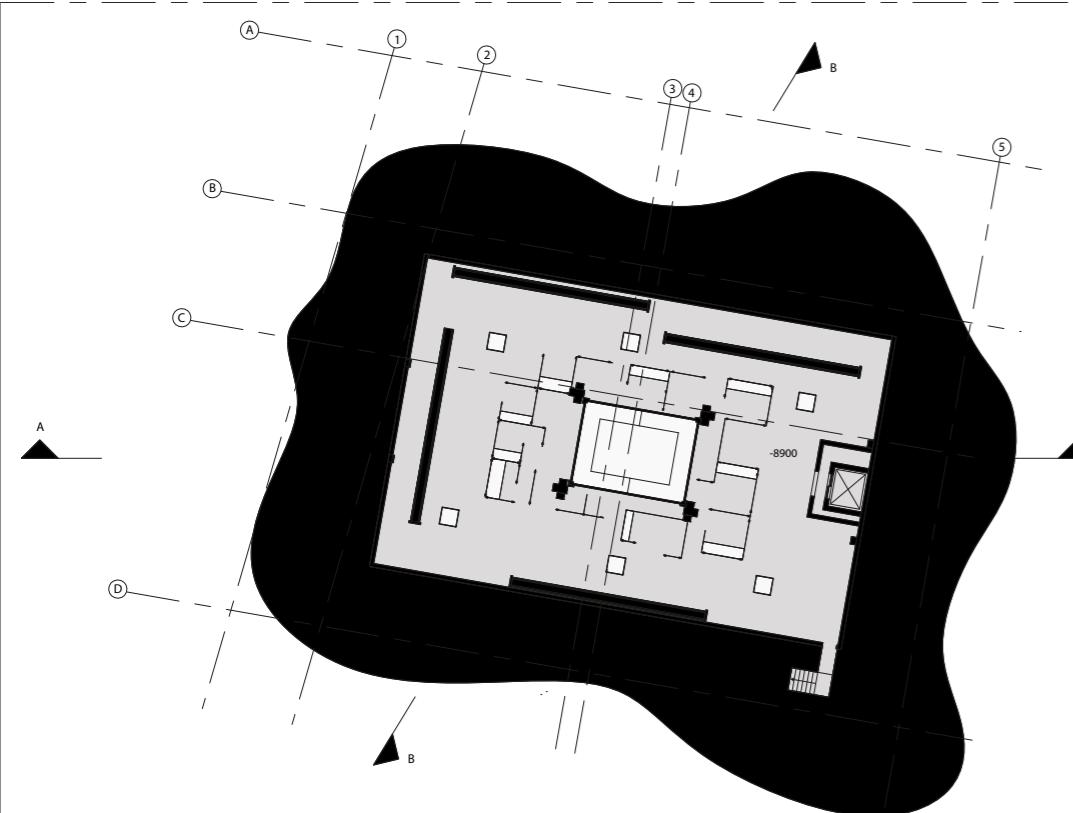
EXTERIOR RENDER



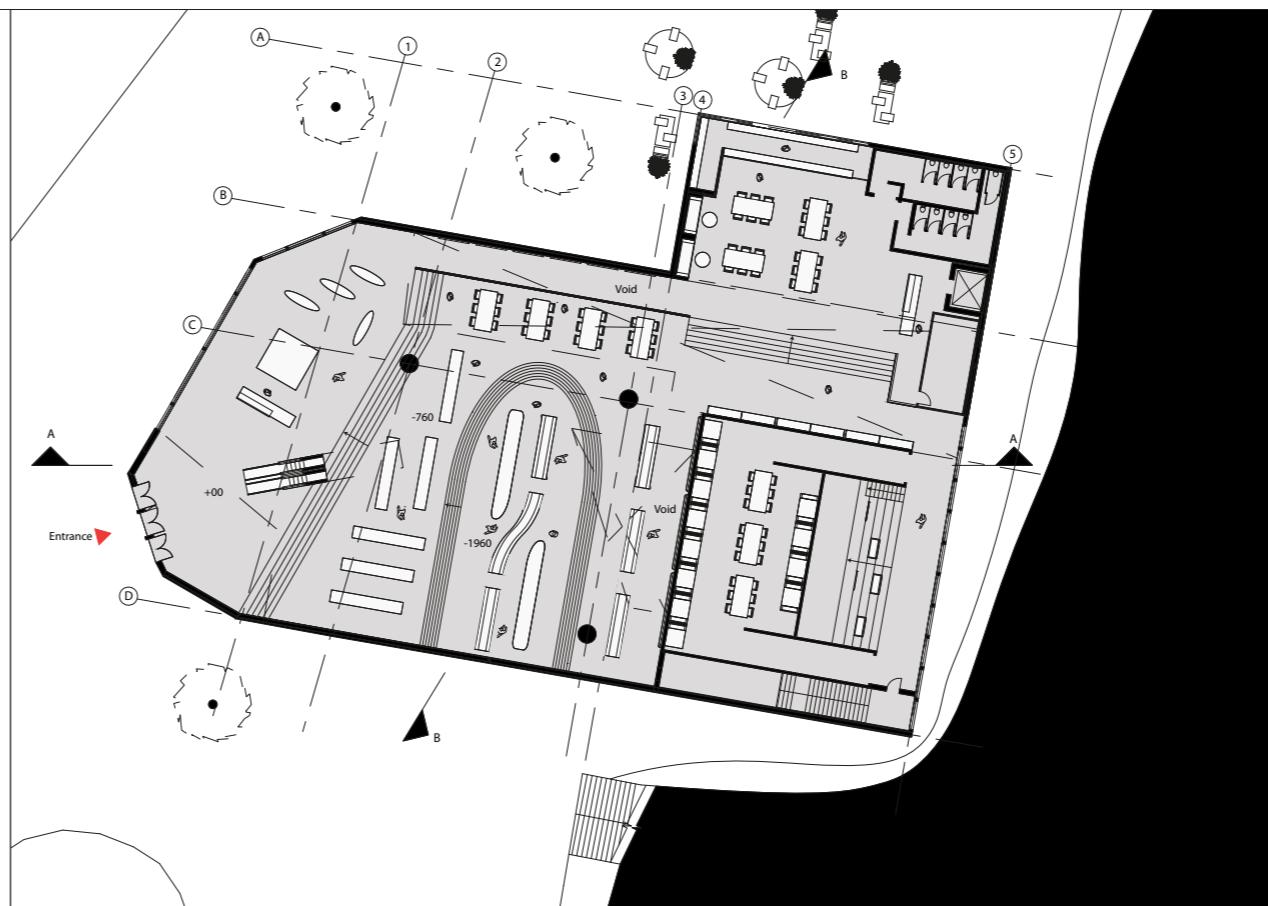
MODEL



UNDERGROUND FLOOR PLAN



GROUND FLOOR PLAN



#### MATERIALS LIBRARY

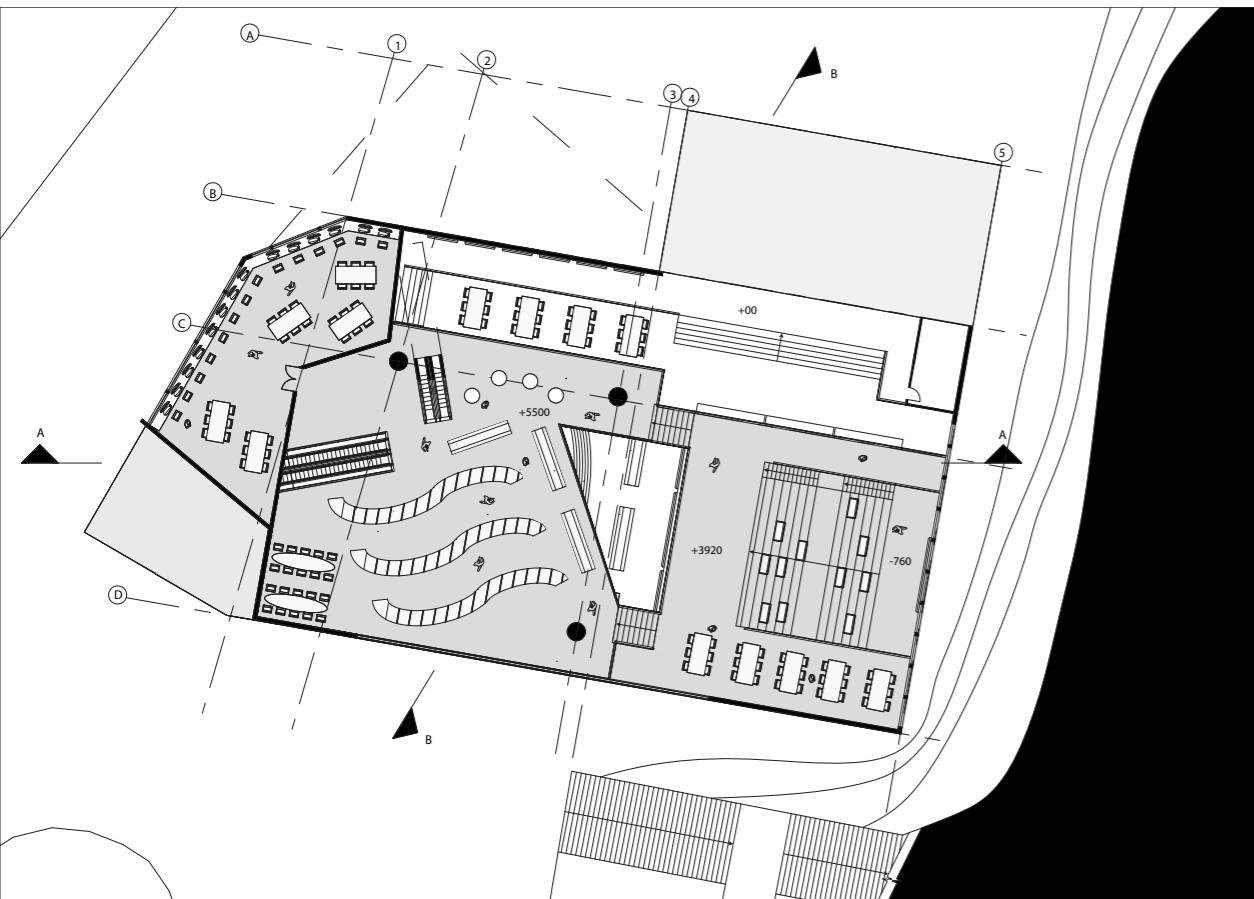
Potts Point Embarkation Park was the centre of developing a materials library which concentrated the storage of carbon through materials and the emphasis on carbon capture.

The materials library was ordered through several developments using an organisation diagram and by categorising different spaces to gradually become more carbon efficient as the individual approaches the next level of the building.

Each floor of the materials library possesses new materials, the ground floor includes materials such as plastic, rubber, fabrics and cotton. The first floor includes materials such as timber, pine, and stone/brick. The second floor includes materials such as steel, aluminium, and glass. Finally, the underground floor includes much rarer materials such as, gold, gems, and diamond.

The rotation and stacking of the library provides greater views to the beautiful ocean front where a Navy base is located.

FIRST FLOOR PLAN



SECOND FLOOR PLAN



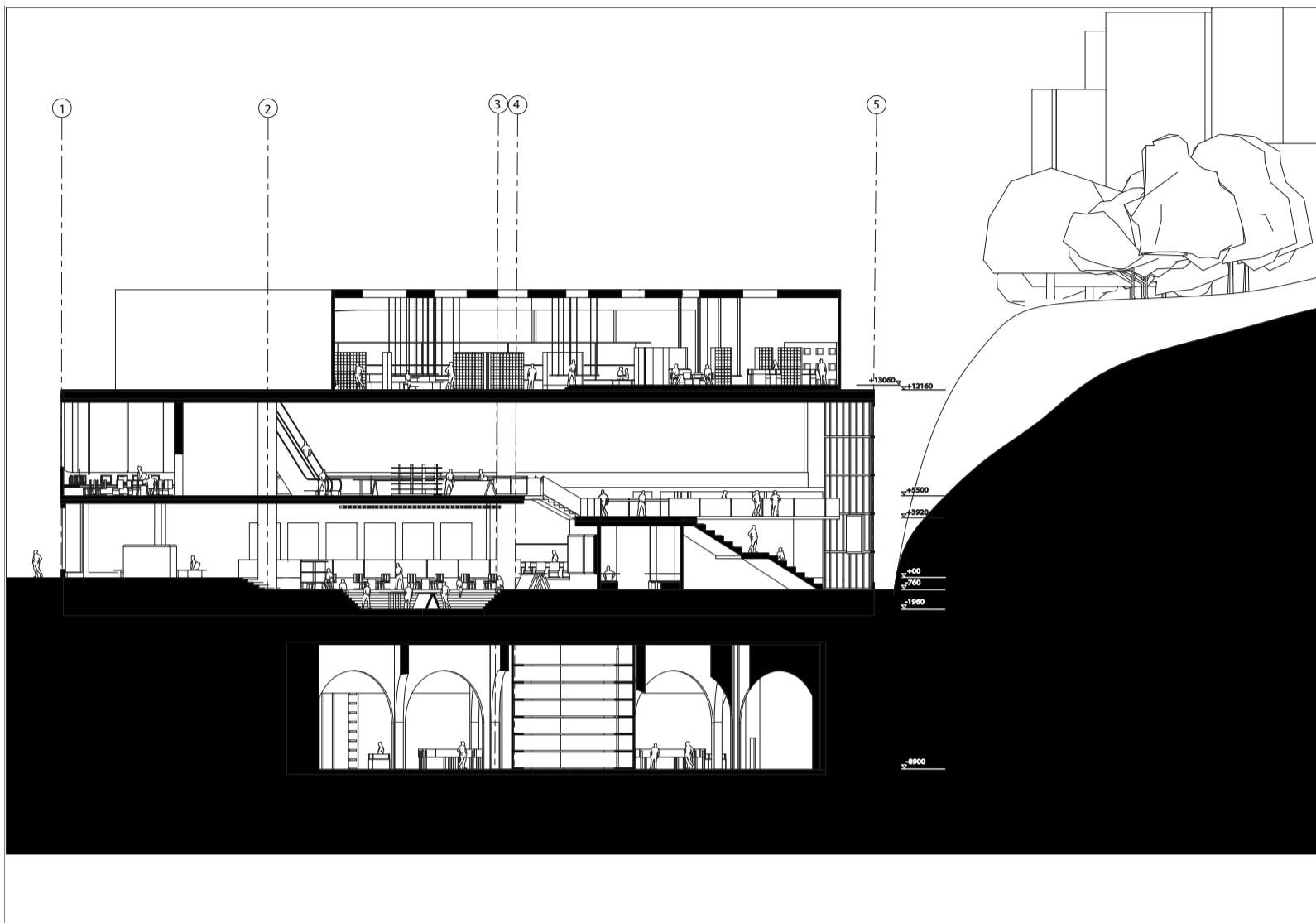
EXTERIOR RENDER



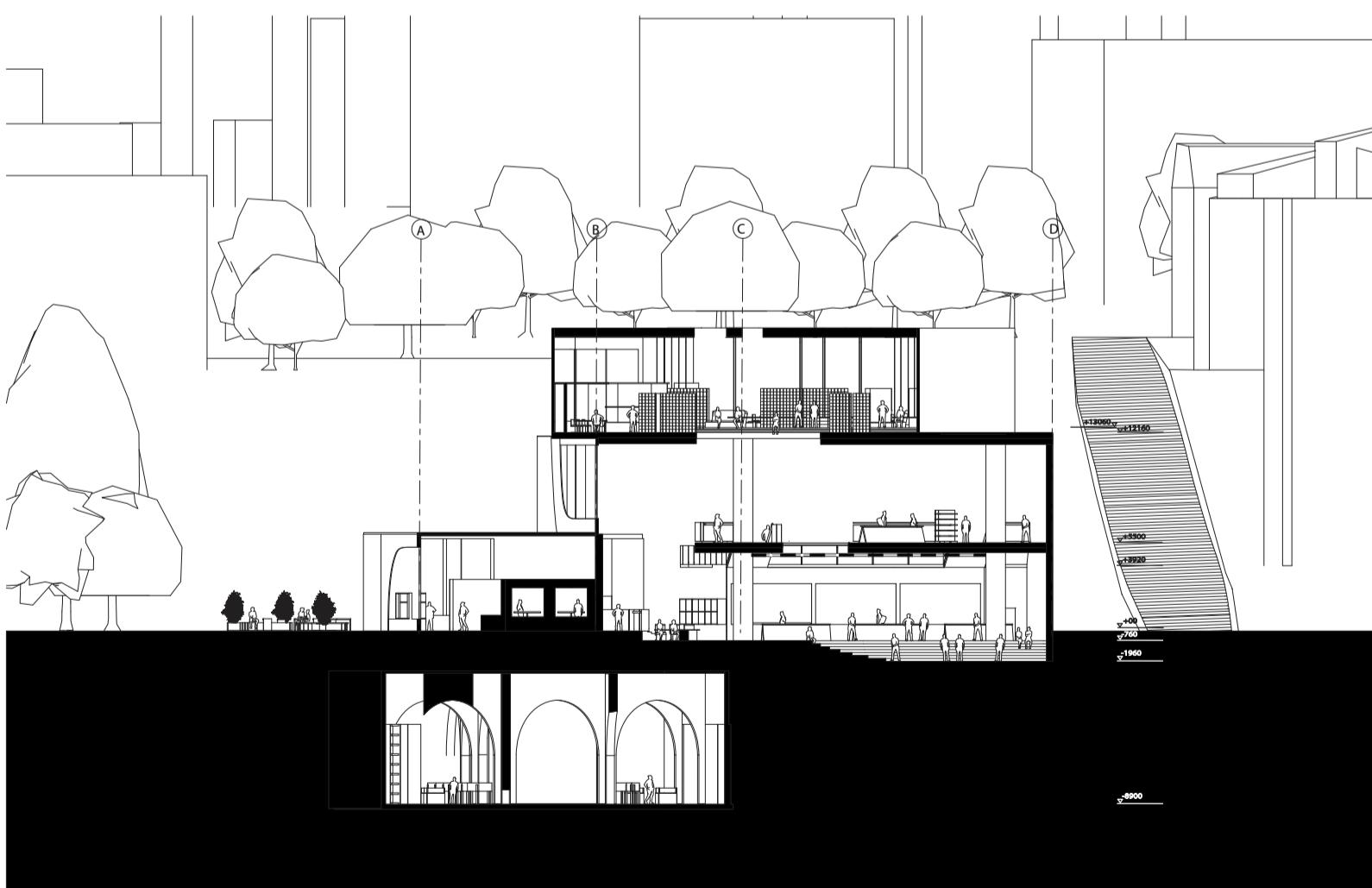
INTERIOR RENDER

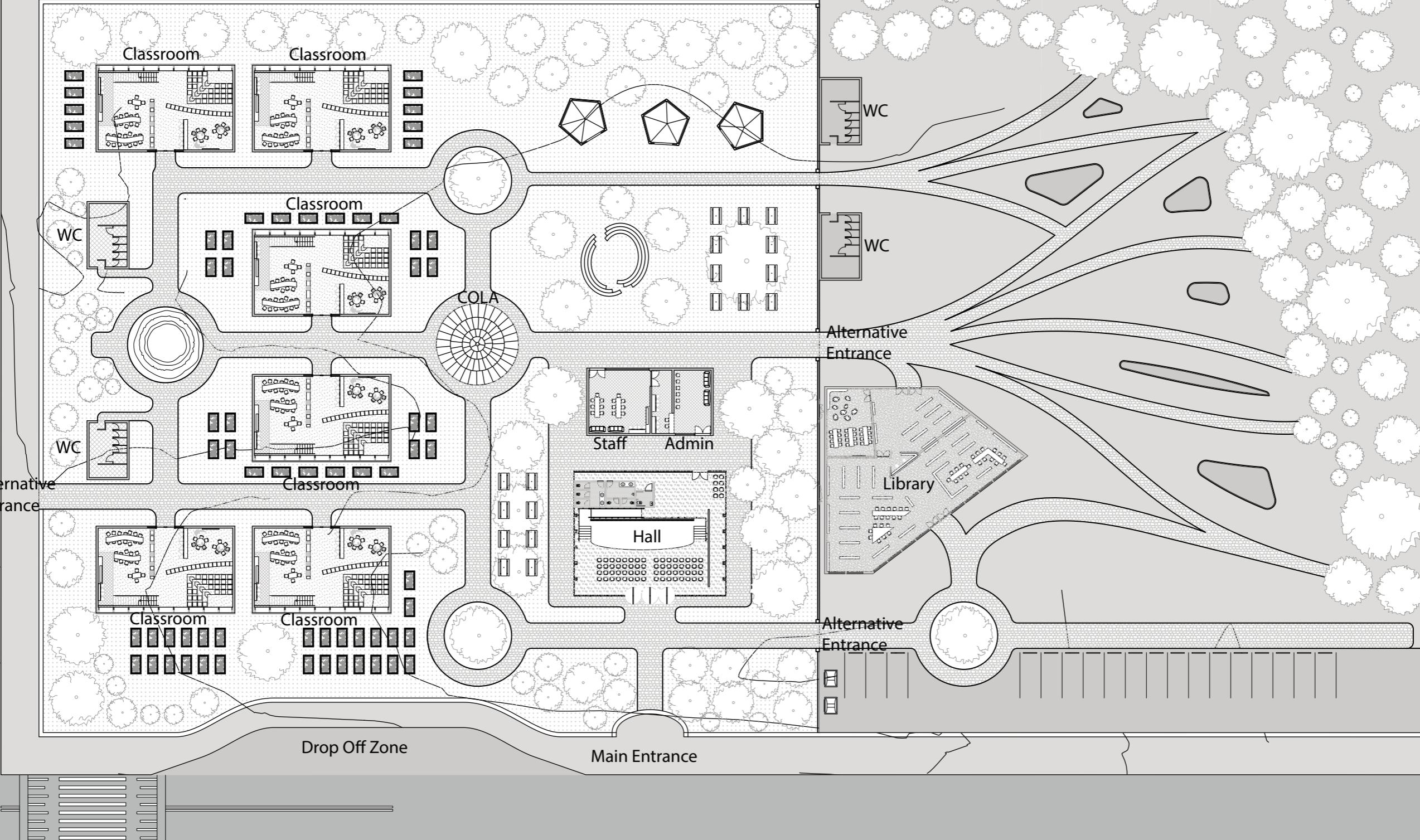


SECTION AA



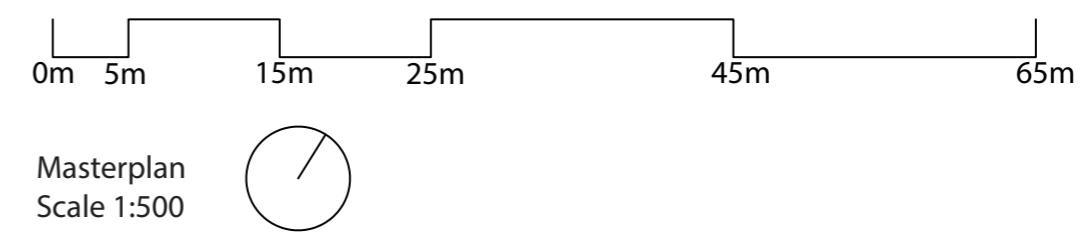
SECTION BB

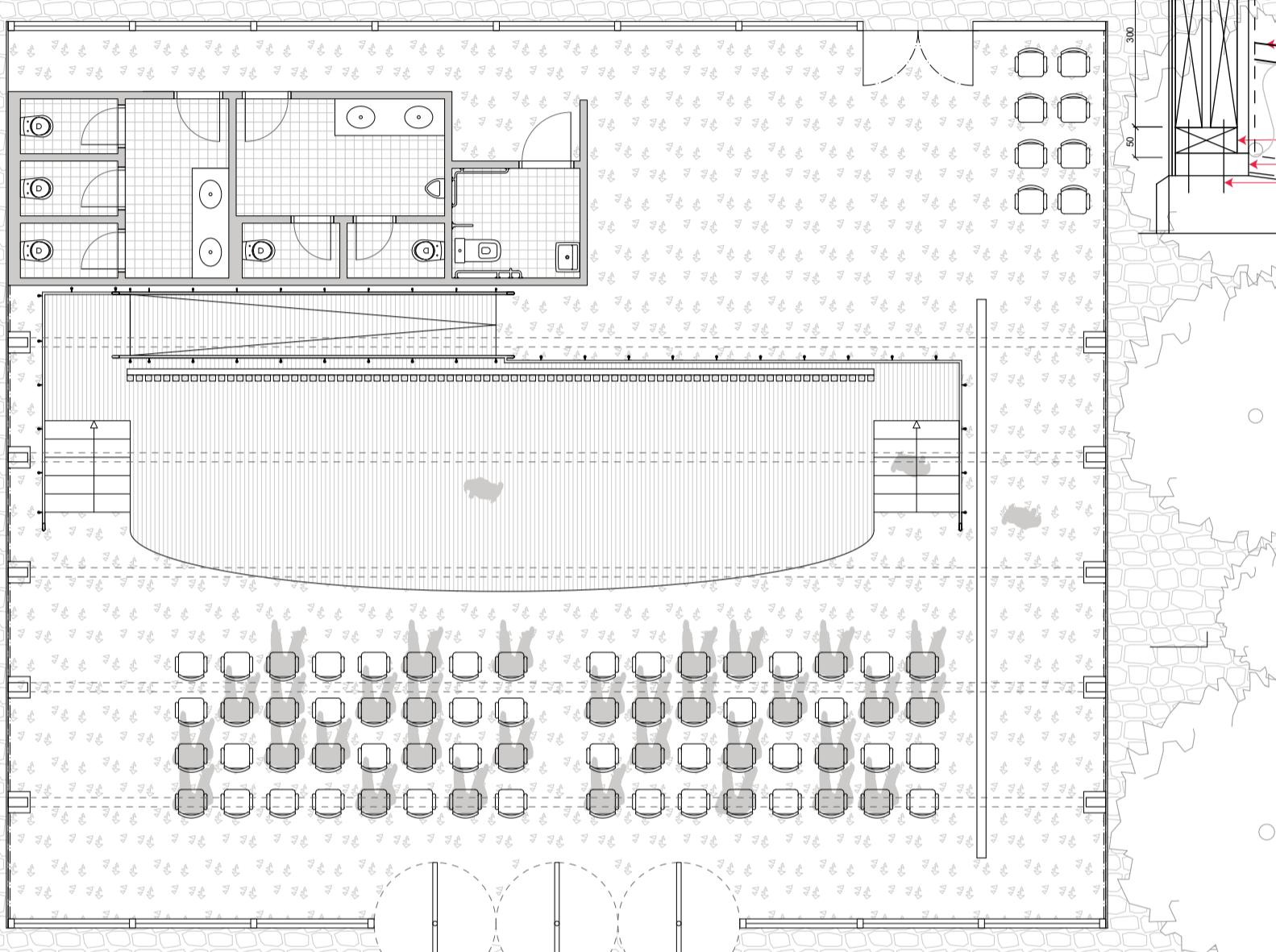
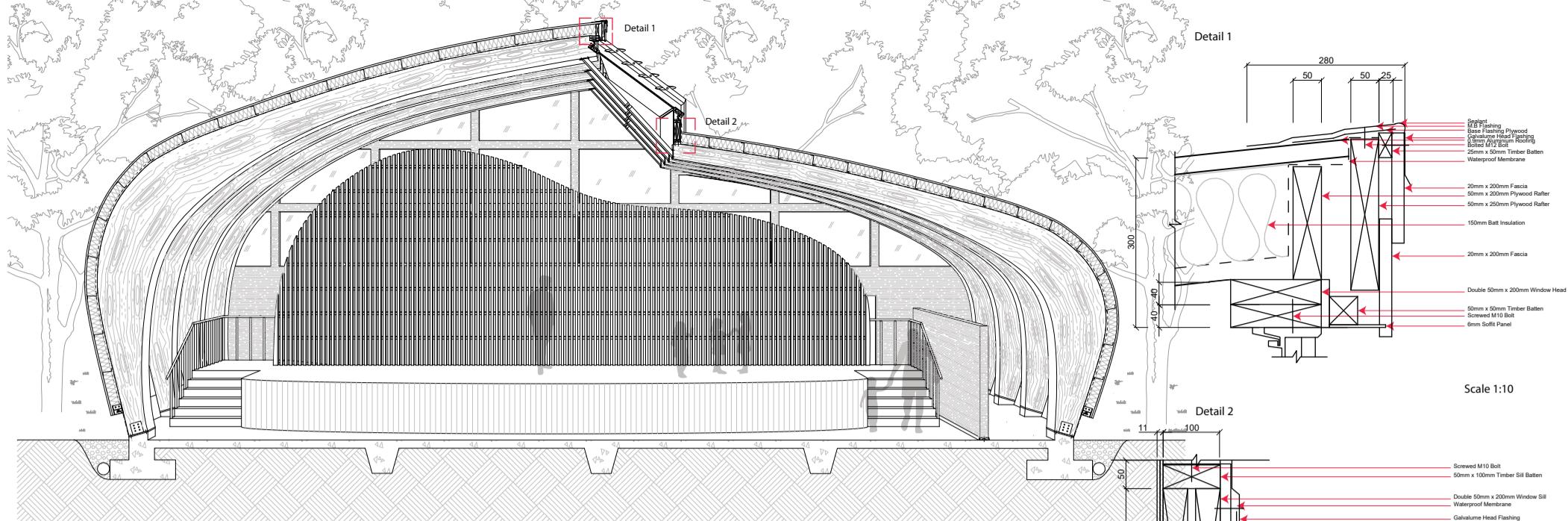




### Kyeemagh Primary School Project

Kyeemagh has a significant connection to ecology. The proposed school design develops this and embeds the notions of community, discovery and nature creating a space which puts the students and ecology at its forefront. The proposed school is set in Kyeemagh in two distinct grids along the site being formal and informal. Connection is made feasible between these grids through a water featured avenue spanning across the site. The formal grid presents teaching and learning spaces including classrooms, COLA and Hall. The informal grid portrays a water delta that is accessible to the public and school and mainly utilised for break times and play areas. In a society largely detached from nature it becomes increasingly important to inform and teach the future generations on the importance of nature and ecology which the design encourages.





The Civic Centre plan depicts the threshold from the street into the school by a large, beautiful moongate. The idea of the moongate is to create a node that people walk through, which links the idea of circuling nodes in the masterplan.

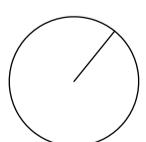
12m

8m

4m

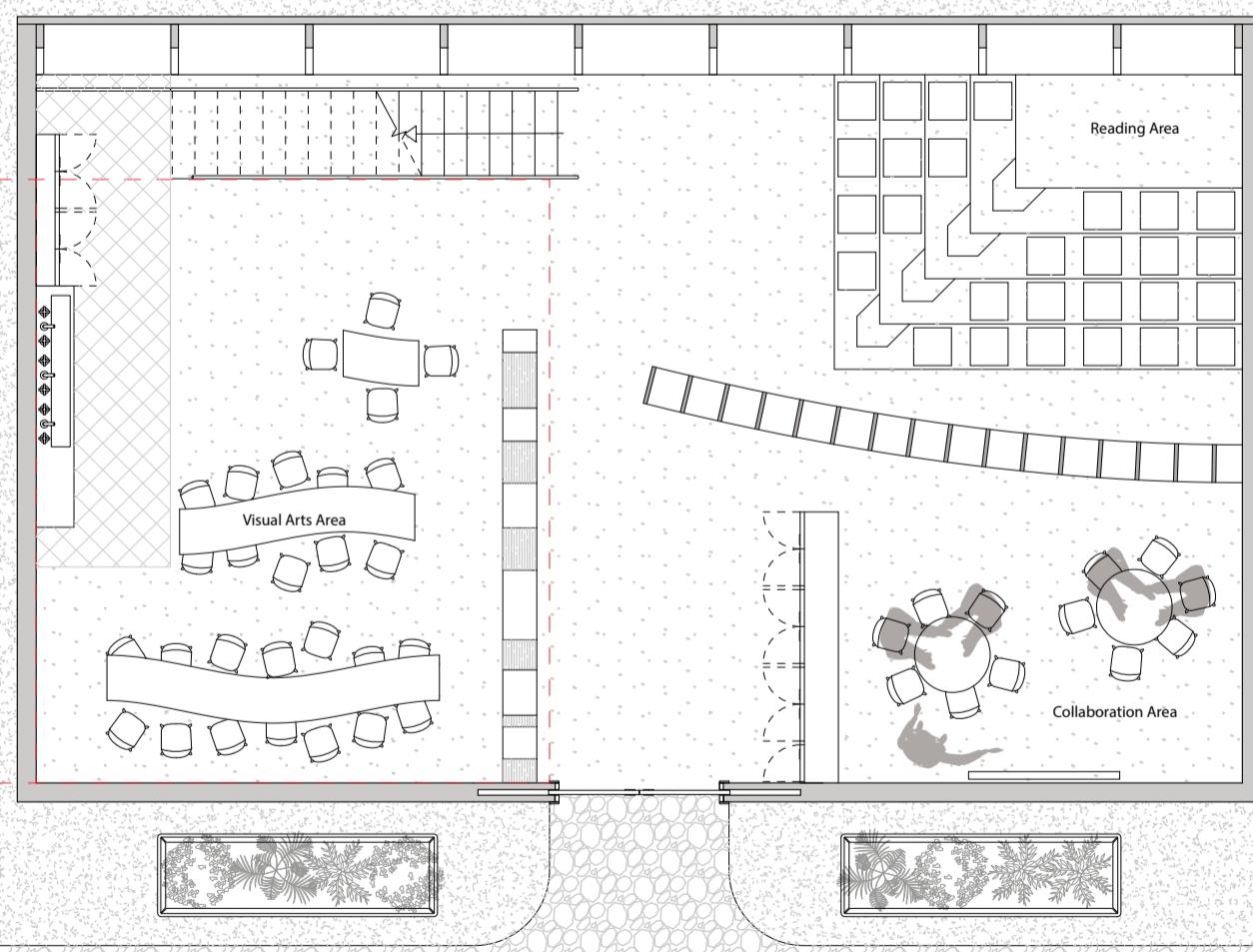
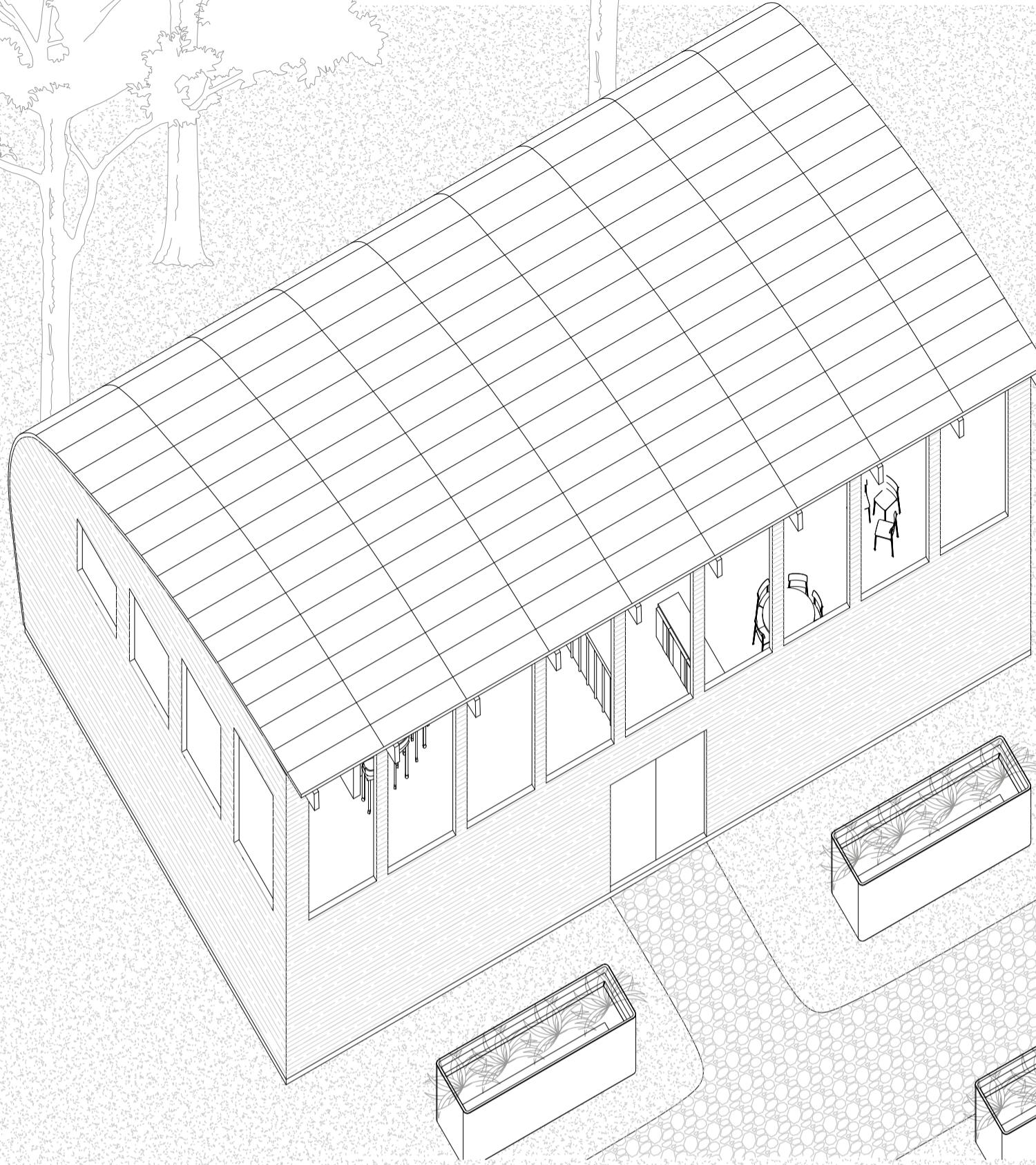
2m

0m

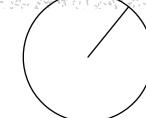


Civic Centre Plan and  
Sectional Perspective  
Scale 1:100

Main Entrance



0m 2m 4m 8m 12m



Classroom Cluster Axonometric and Plan  
Scale 1:100

