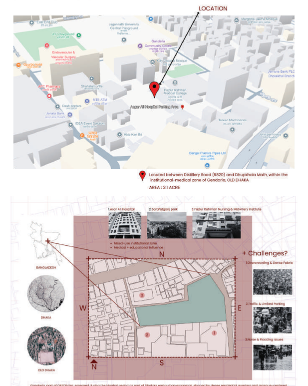
অক্ষান্তঃপ্রবাহবিন্যাস

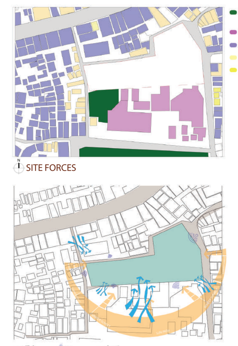
Design of a Cultural Center

Concept: Cultural Spine

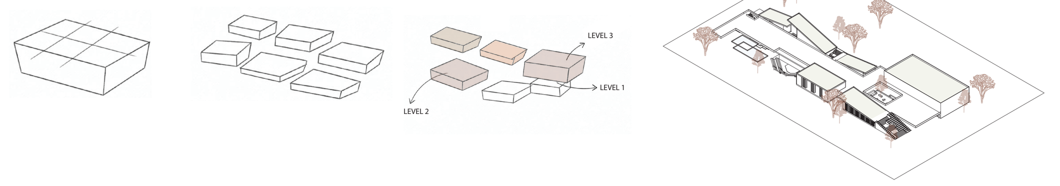
Derived from the dense linear fabric and existing masses of Puran Dhaka, the design uses rectilinear forms organized along a central spine—echoing the oli–goli pattern as a welcoming core of movement. A combination of flat and tilted roofs introduces visual rhythm while helping drain rainwater, reduce heat gain, and enhance ventilation, making the form both expressive and climate-responsive. Green roofs, water, and gardens soften the built mass, merging architecture with landscape into a continuous cultural space.

SITE STUDY

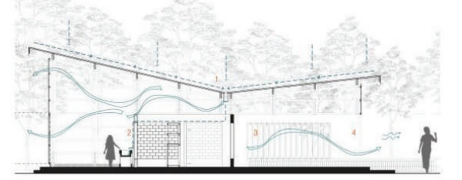




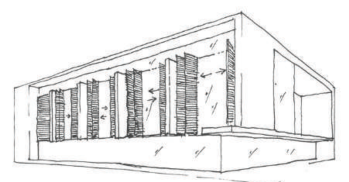
FORM GENERATION



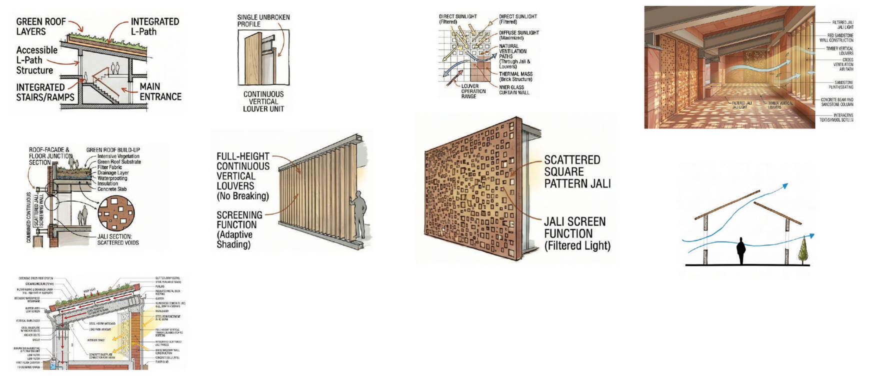
1. A CENTRAL SPINE IS TAKEN FROM THE REFERENCE OF THE GIVEN SITE
2. THE BLOCKS ARE THEN DIVIDED INTO FUNCTIONS, FROM ONE CENTRAL SPINE FUNCTIONS ARE DISPERSED AMONGST THESE BLOCKS
3. THESE BLOCKS ARE THEN TAKEN IN DIFFERENT HEIGHTS, GIVING IT A THREE DIMENTIONAL DEPTH
4. ADDING THE SLANTED ROOF, GREEN ROOFING IS INTRODUCED IN THE FORM, GIVING IT A DOUBLE AND TRIPLE HEIGHT RELATIONSHIP WITH THE ENVIRONMENT



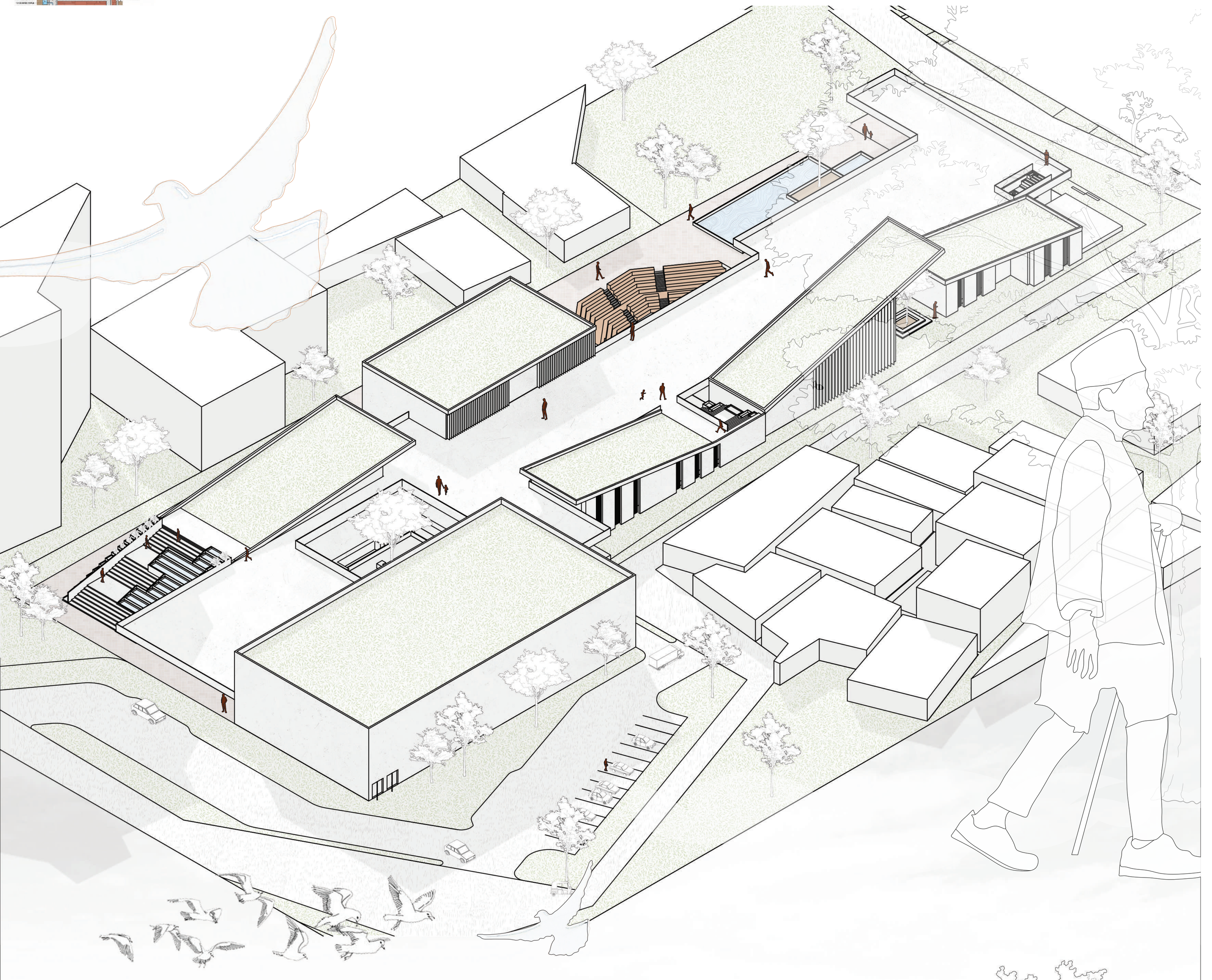
- Slanted roof improves natural ventilation by promoting heat escape and passive cooling.

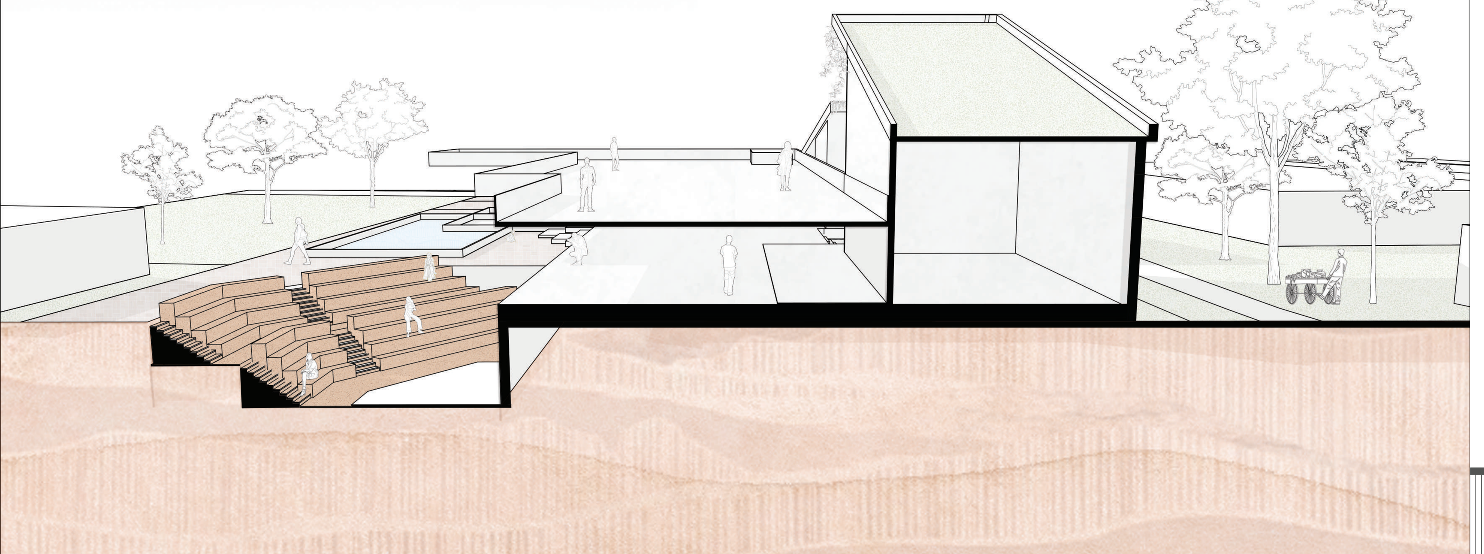


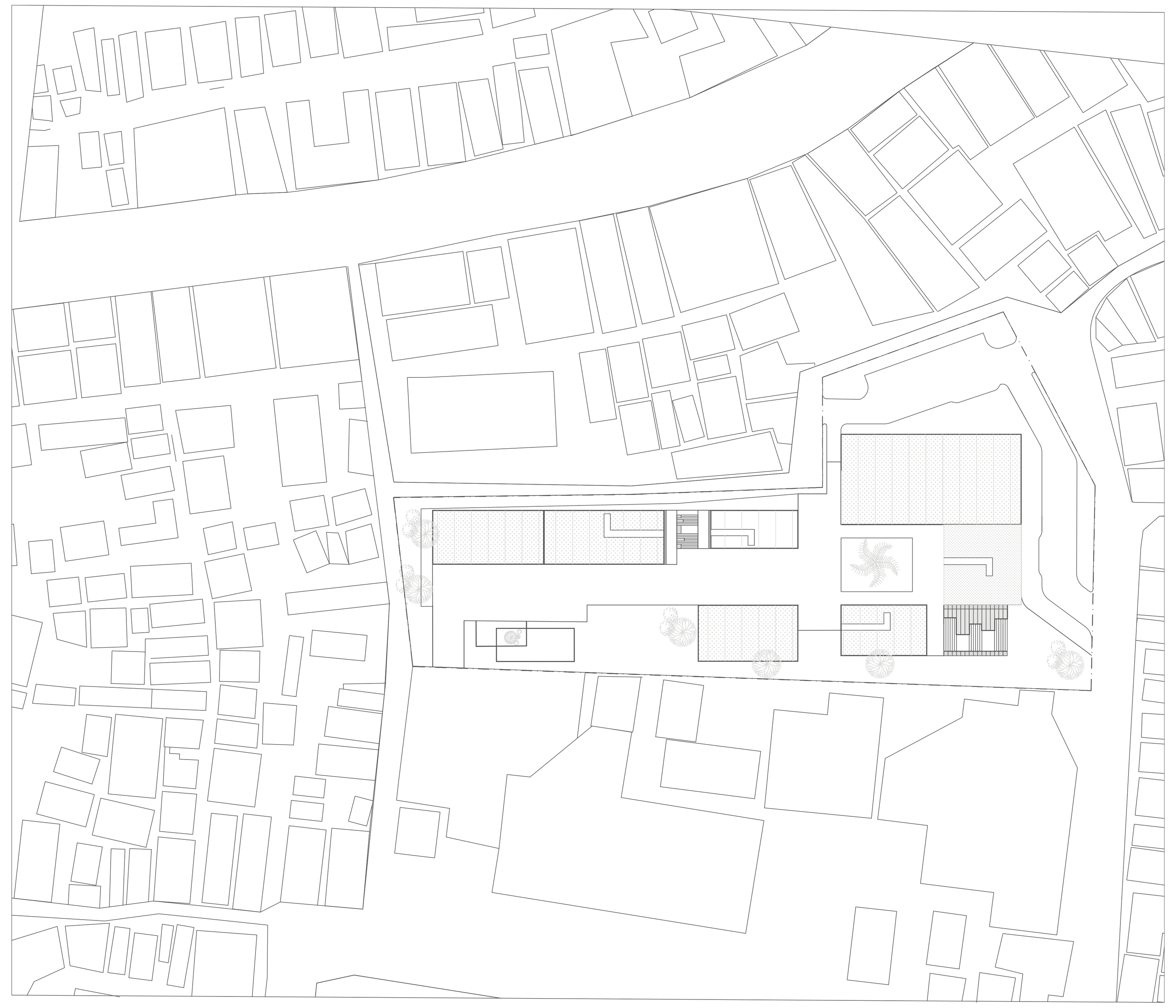
STRUCTURAL STUDY



MATERIAL STUDY



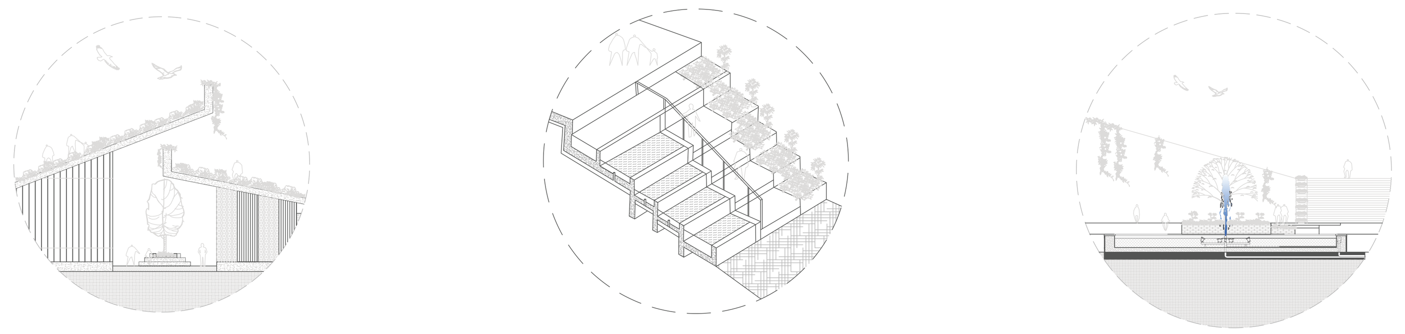




ROOF PLAN

SCALE - 1:500

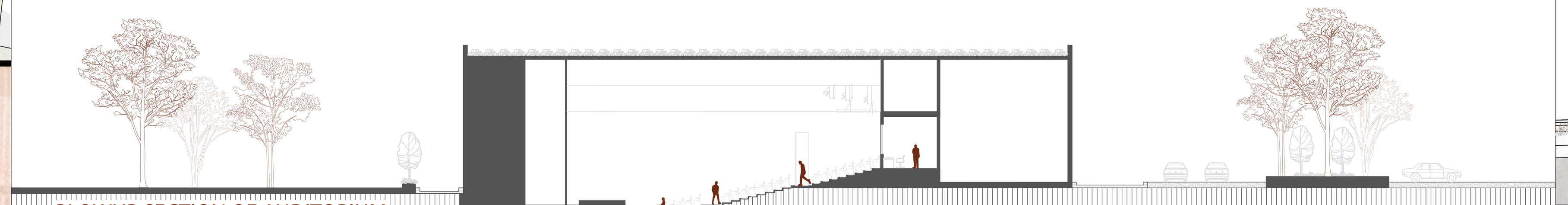
DETAILED BLOWUP



TILTED ROOF STRUCTURE

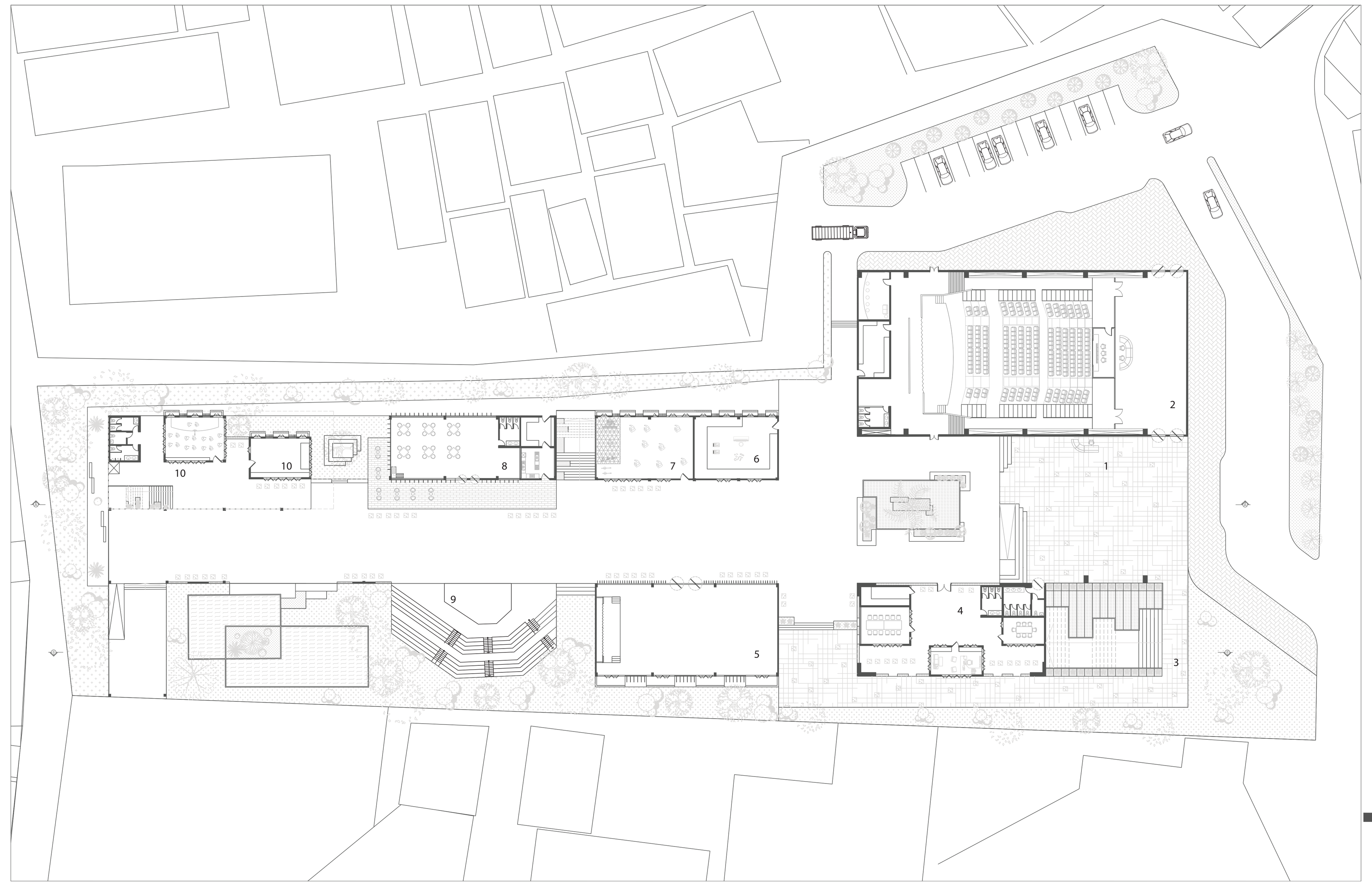
SCULPTURAL STAIRS WITH WATERBODY AND PLANTER BOXES

WATER BODY



BLOWUP SECTION OF AUDITORIUM

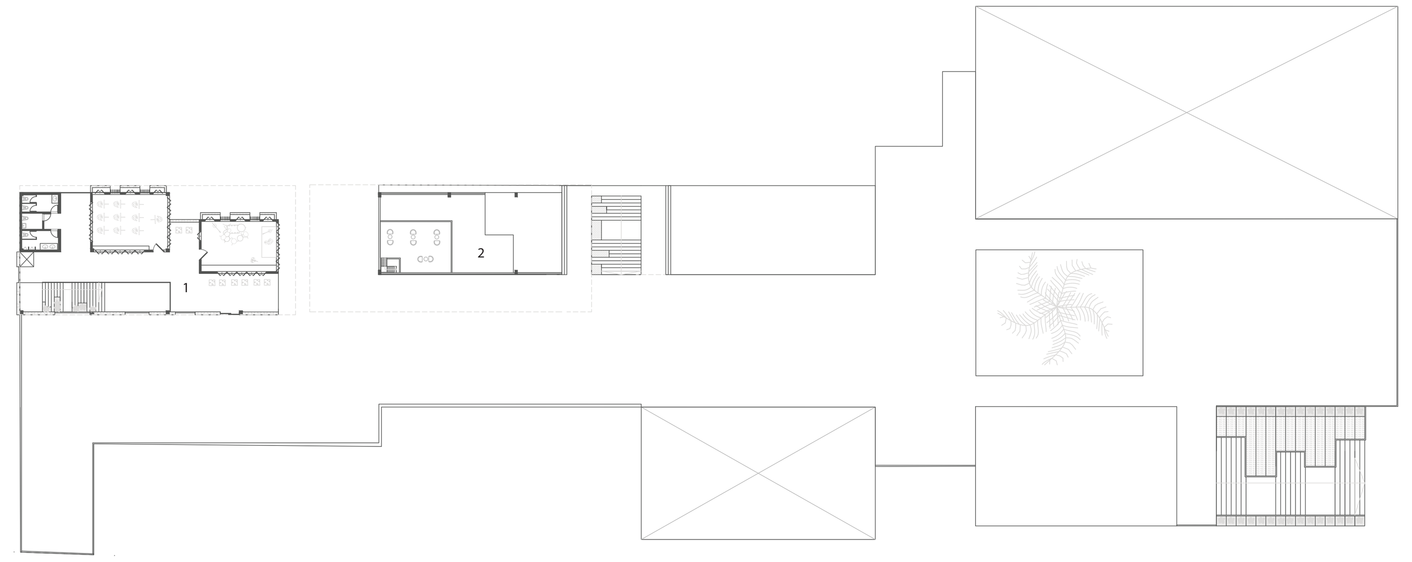
SCALE - 1:100



GROUND FLOOR PLAN

SCALE - 1:250

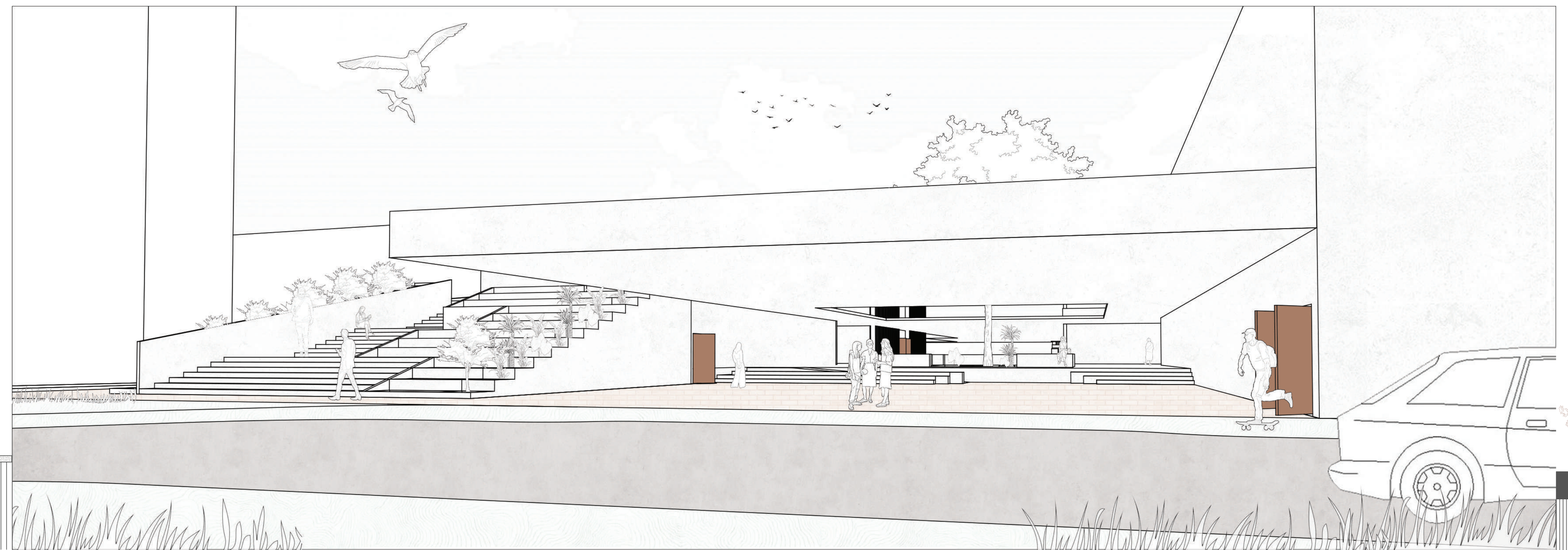
1. Lobby
2. Auditorium
3. Sculptural Staircase
4. Admin Block
5. Multipurpose Hall
6. Workshop
7. Rehearsal room
8. Cafe
9. Amphitheater
10. Academic block



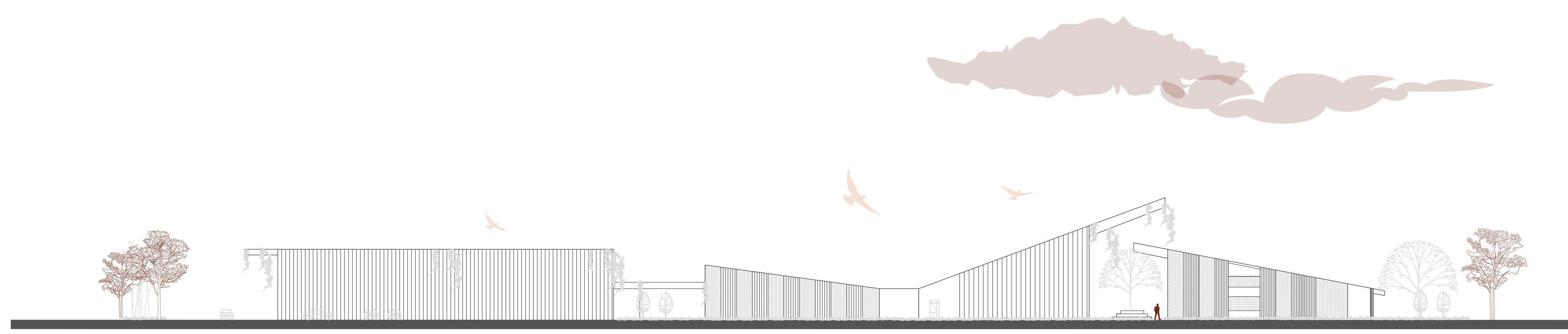
FIRST FLOOR PLAN

SCALE - 1:250

1. Academic Block
2. Cafe



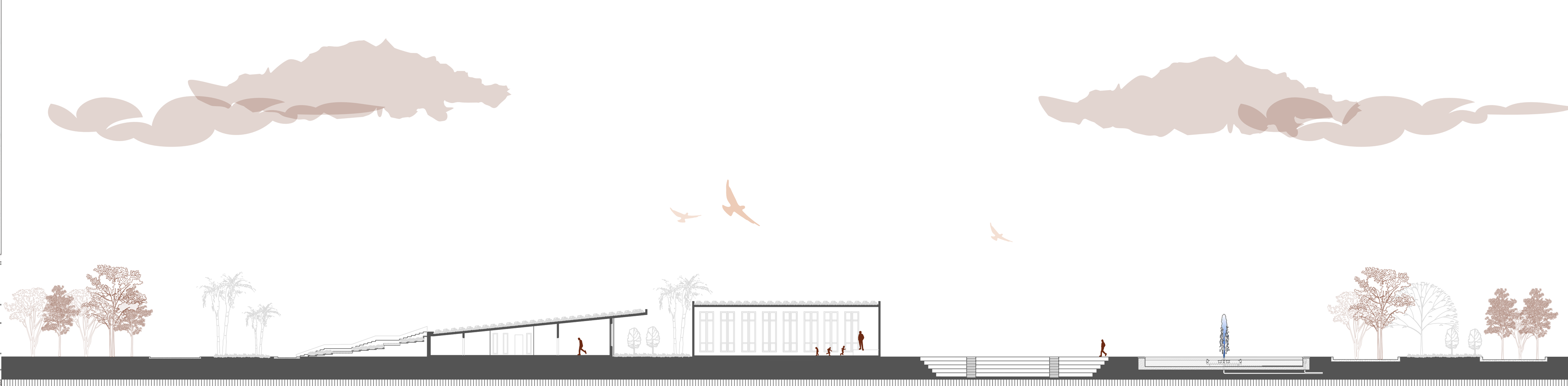
NORTH ELEVATION



SOUTH ELEVATION

SECTION A-A

SCALE - 1:250



SECTION B-B

SCALE - 1:250