

CONCEPT:

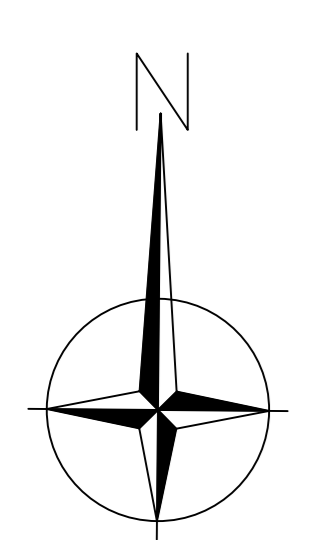
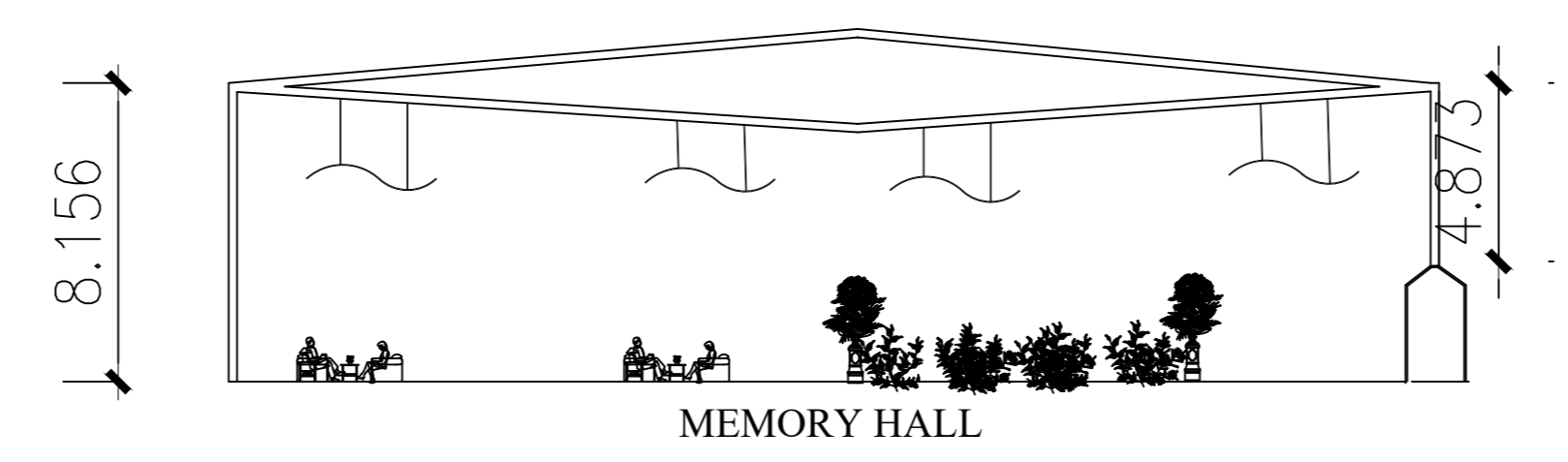
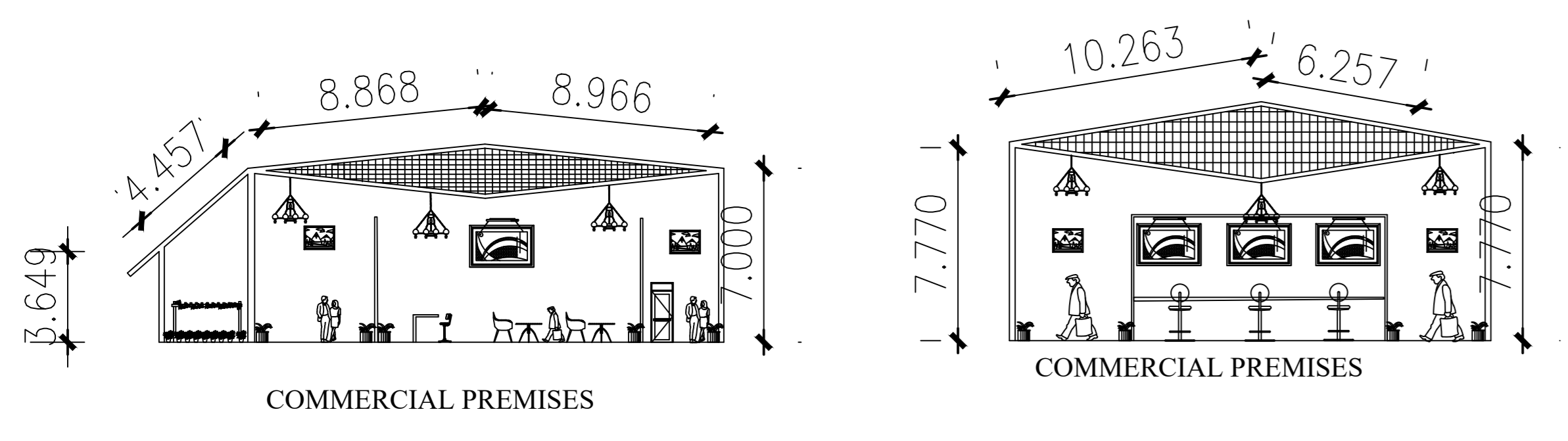
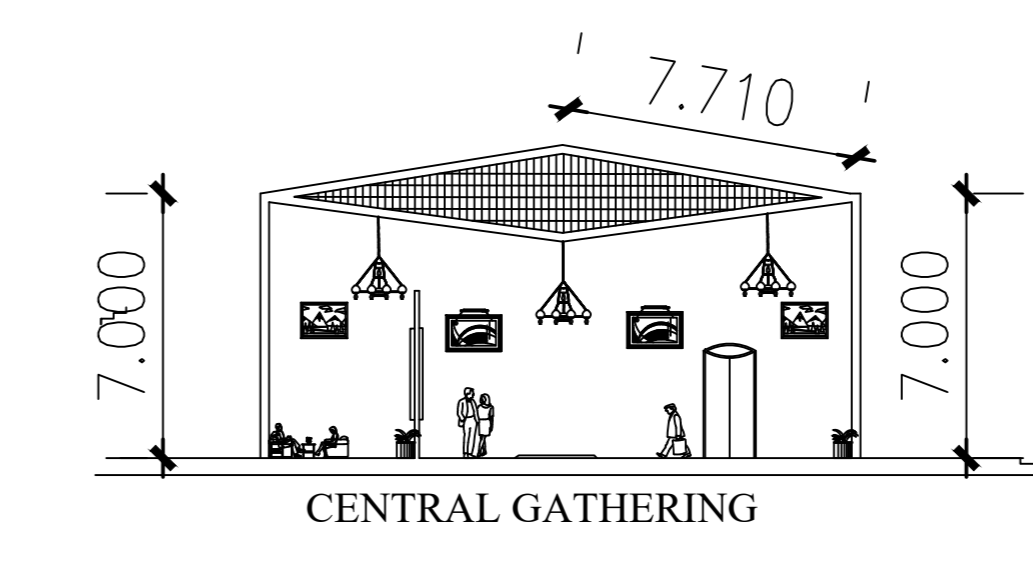
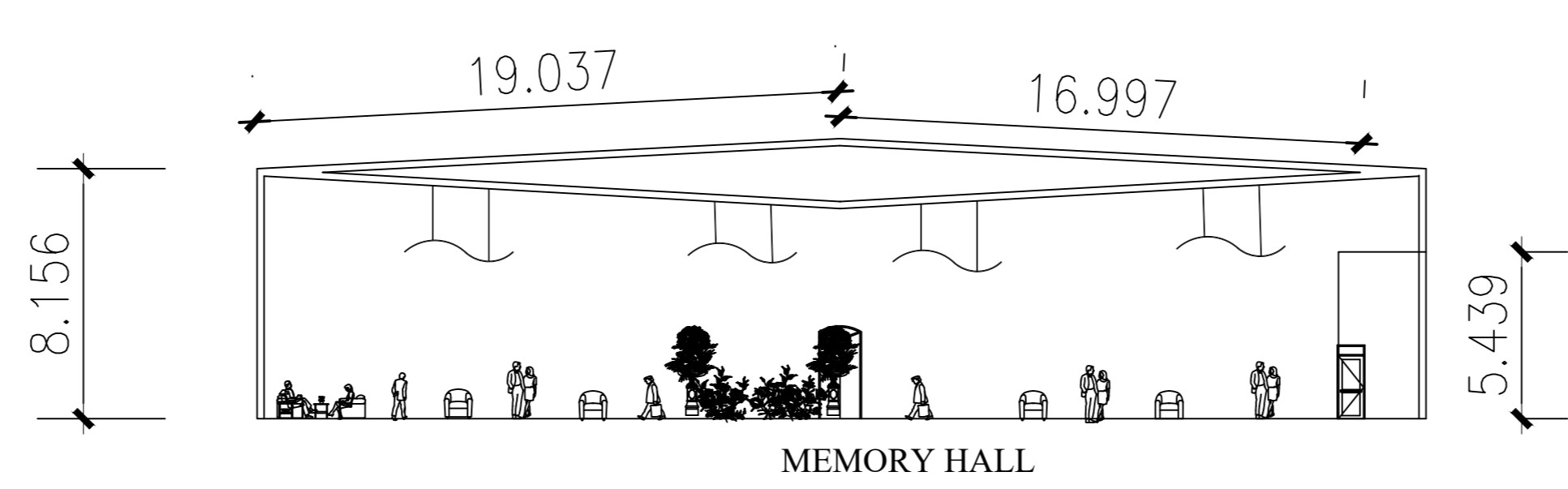
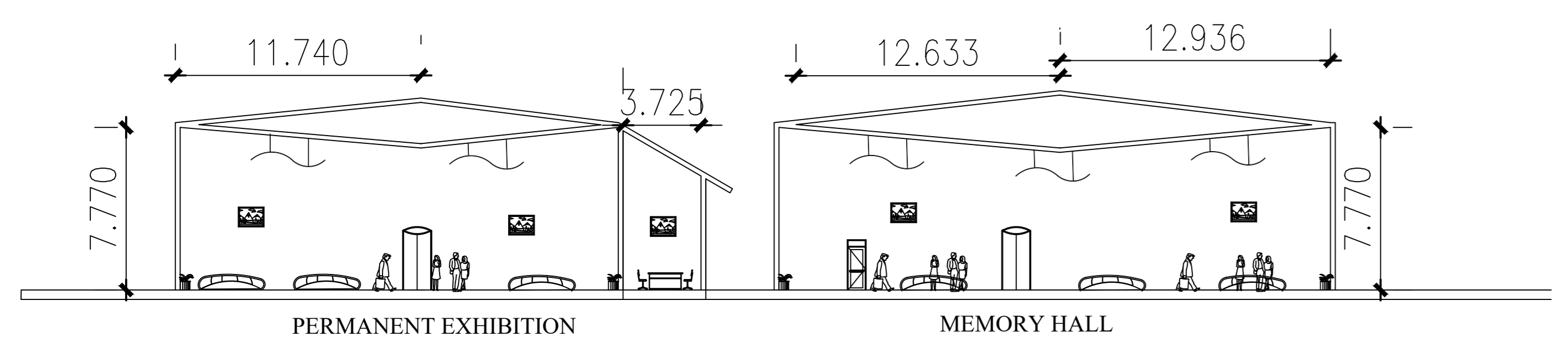
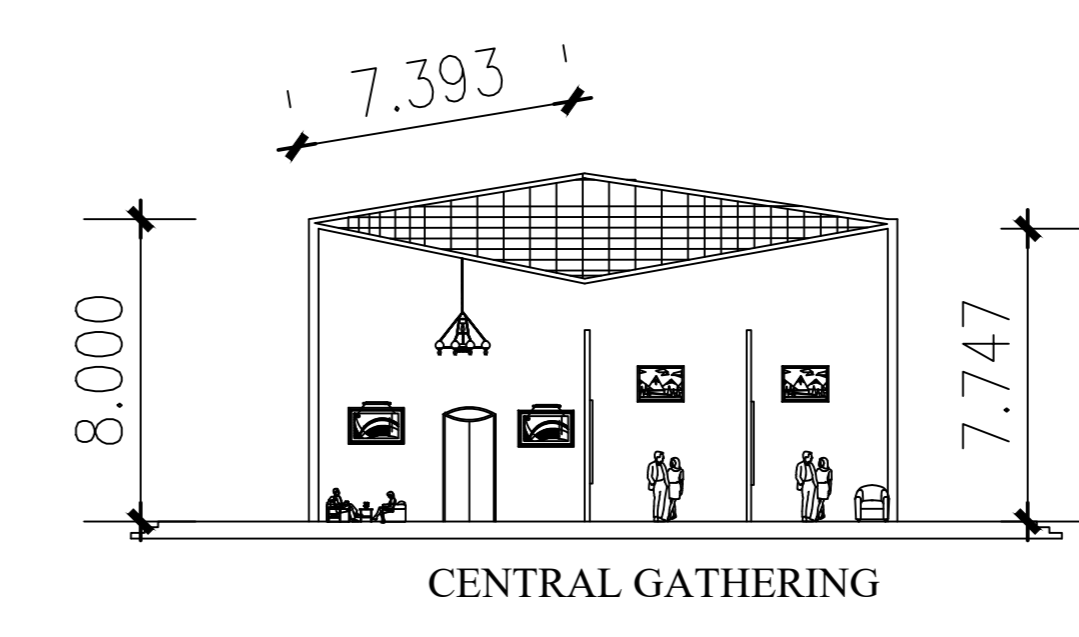
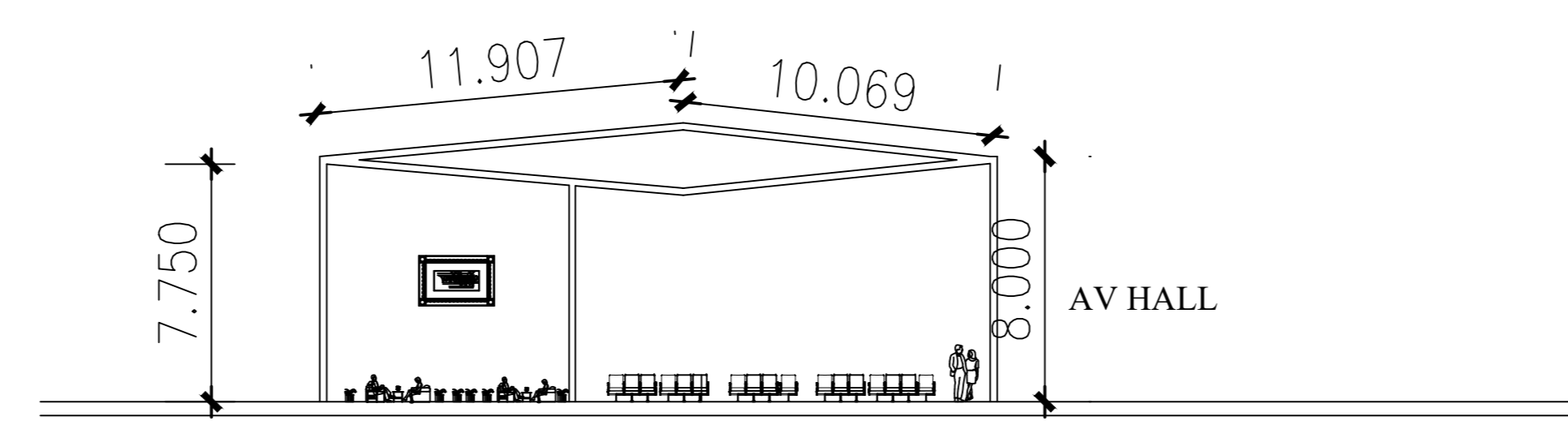
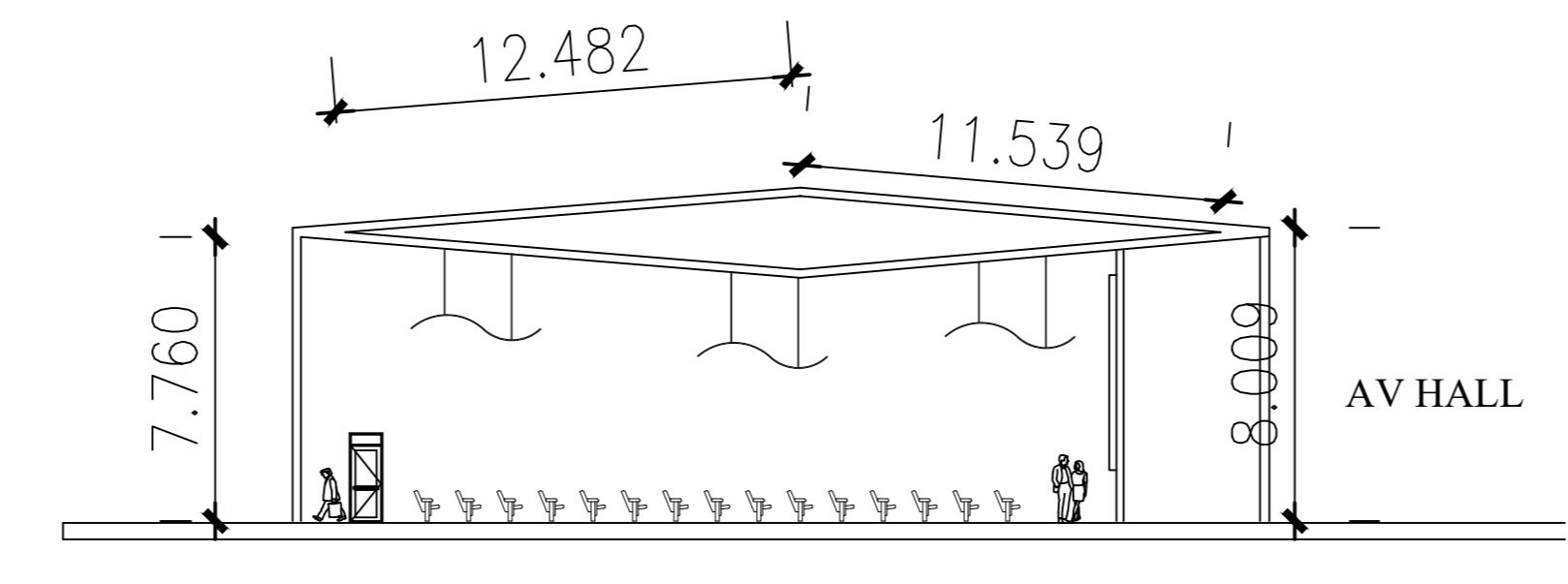
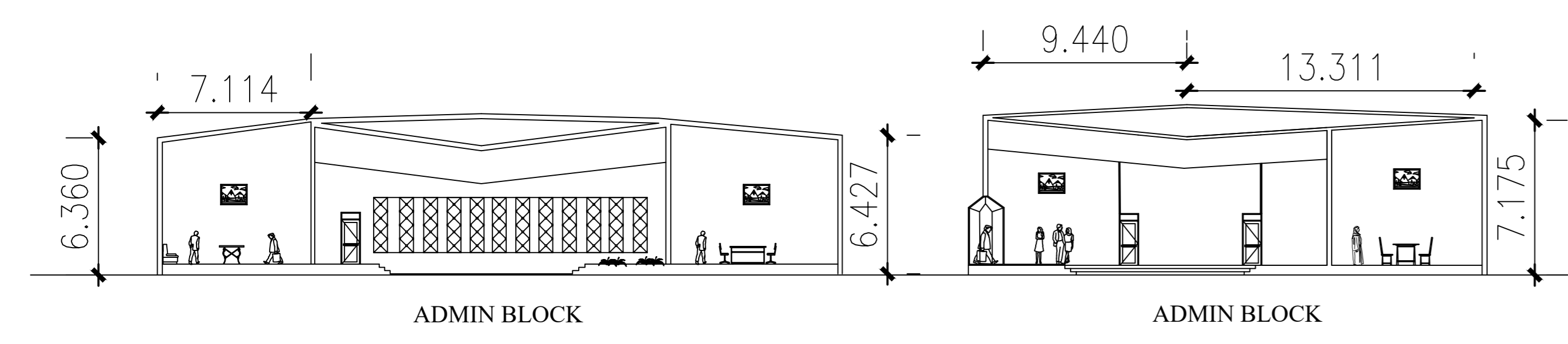
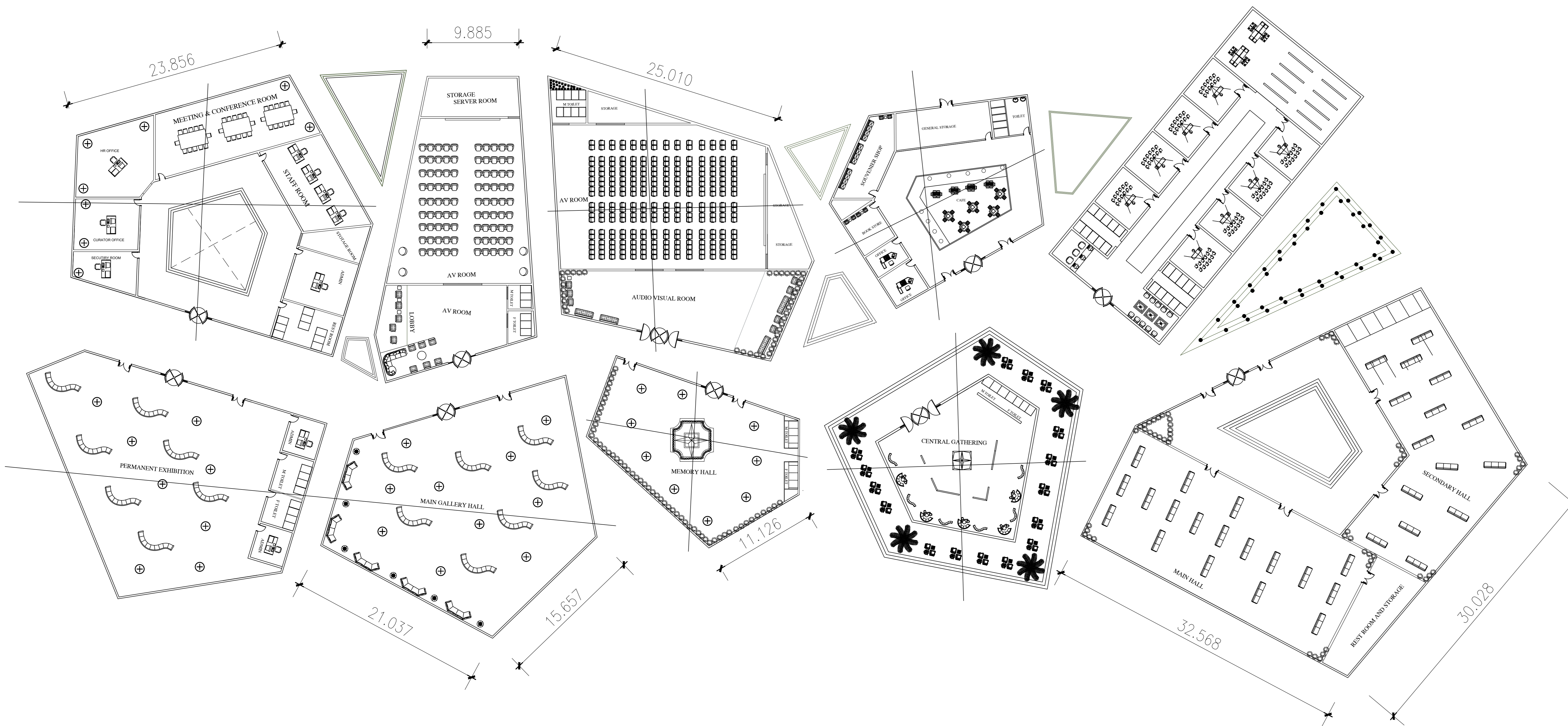
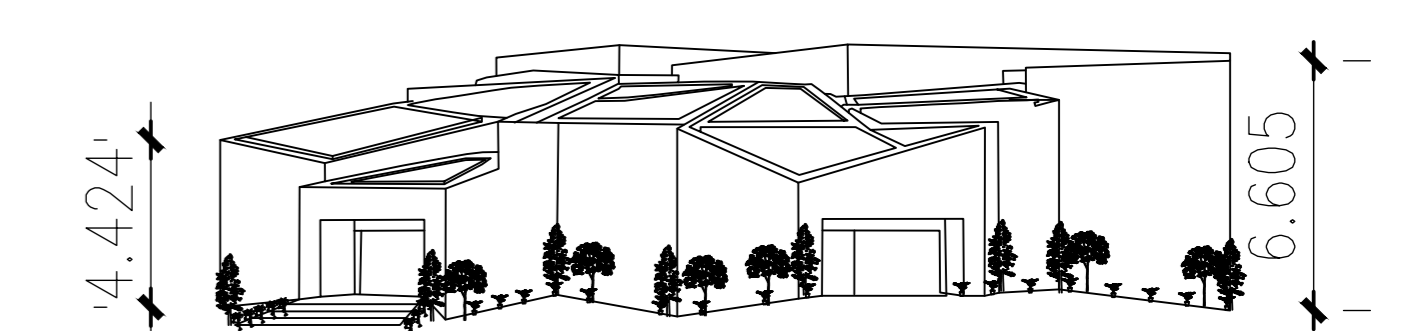
This architectural concept blends biomorphic, crystalline geometry with active sustainable design. It features a striking, fragmented roofscape optimized for solar energy capture, paired with thick, earth-textured walls that provide high thermal mass and deep-set, shaded openings for passive cooling.

The design is organized along a powerful, pedestrian-focused central axis, seamlessly integrating bold, avant-garde forms with lush, climate-resilient landscaping to create a harmonious, eco-responsive public or institutional campus.

- 1. Monolithic, Earth-Textured Materiality:**
The façade features a continuous, sandstone or rammed-earth style finish, giving the structures a heavy, grounded appearance. This monolithic skin softens the sharp angles of the geometry, making the buildings look like natural rock formations emerging from the landscape.
- 2. Deep-Set, Shadow-Cast Openings:**
Openings are deeply recessed within the heavy wall mass. This structural depth acts as an architectural self-shading mechanism, protecting glass surfaces from direct solar radiation, minimizing internal heat gain, and creating dynamic shadow play throughout the day.
- 3. Integrated Photovoltaic (BIPV) Roof-Façade:**
The building envelope blurs the line between roof and façade. The multi-faceted, angular upper skin is clad with integrated solar panels, transforming the building's outer shell into an active energy-generating canvas optimized for multi-angle sun exposure.
- 4. Low-Emissivity (Low-E) Structural Glazing:**
Large, geometric glass bands are tightly fitted beneath the faceted roof overhangs. These glazed ribbons maximize daylight penetration into the deep floor plates while maintaining high thermal performance to prevent greenhouse effects inside.
- 5. Biophilic Base Transition:**
The lower portion of the façade is deliberately low-slung and integrated with tiered perimeter planters. This allows native, wild vegetation to scale and brush against the building base, visually anchoring the structure and blending the hard envelope into the natural site ecology.



ELEVATION:



FLOOR PLAN

SAMEEM.A
 RRN:230101601023
 SEM 6 SECTION A
 DESIGN
 CRESCENT SCHOOL OF ARCHITECTURE