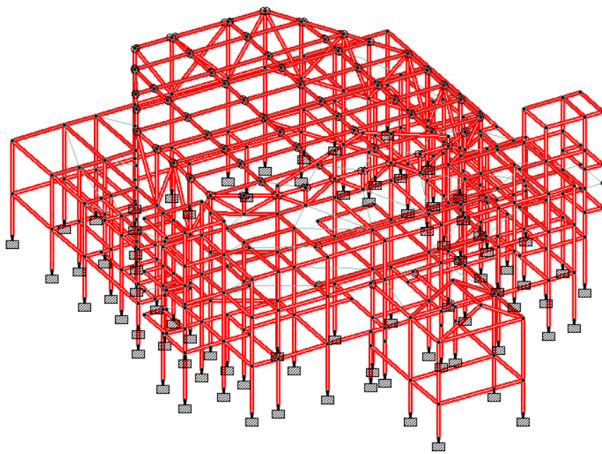
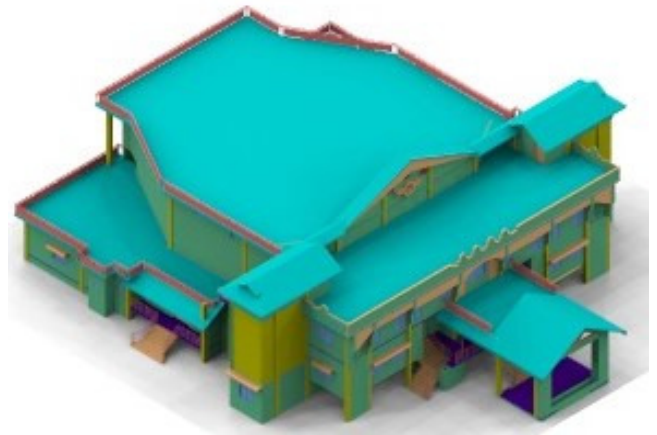


Briefing Hall and War Gaming Center at College of Air Warfare

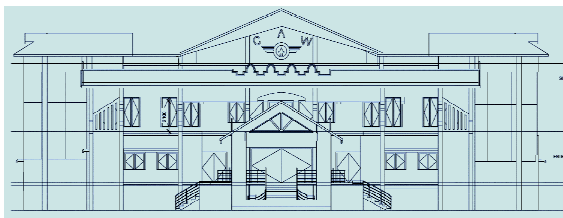
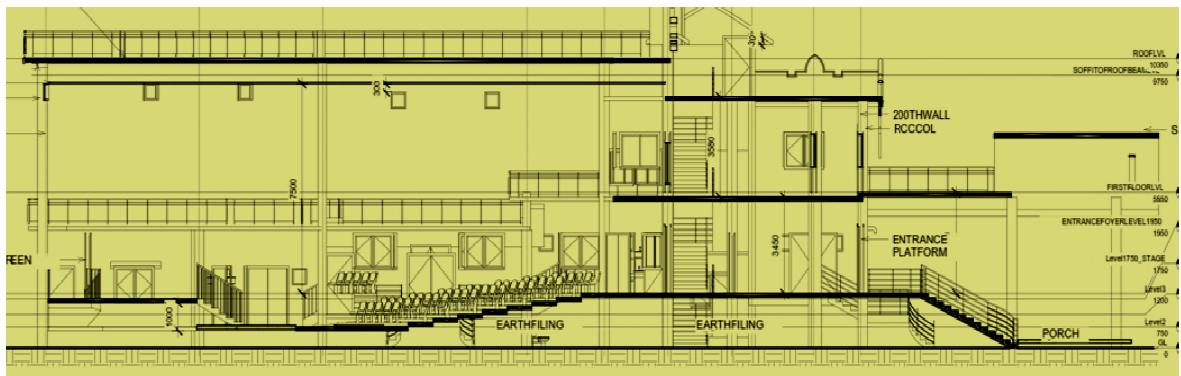


SIE scope includes Structural and HVAC designs for the proposed Project. HVAC designs are outsourced to SIE Associate M/s Meridian Engineers & Consultantcy Services whilst Structural designs are done by SIE itself.

- Briefing Hall (Auditorium) presents a column free space of 24.2m x 25.2m. Clear Height of 7.5m is required from Stage to Ceiling. Lobby and Utilities and surrounding circulation areas are included in Ground and 1st Floor.
- Metal Roof supported over Structural Steel Rafters is an economical option for Auditorium Roof.



- Being RCC Roof is the Project requirement, Composite Metal Deck Slab supported over Built-up Steel Sections is advised to Client. This option primarily avoids possible complications from form work arising from height of structure and greater beam depths.
- Primary Beams of size 350 wide x 1200mm deep Built-up I Section tied with Transverse/Tie-beams are used as Roofing system to span 24.2m length.
- Main Columns are of RCC 600x600 founded over Isolated Foundations. These columns support built-up Steel columns with Column head at 5.5m to support Briefing Hall Roof.



Date: 2023 – Ongoing

Client: Chief Engineer (Air Force) Bangalore

Type: RCC & Structural Steel

Firm's Responsibilities: Structural and HVAC Designs and Drawings

