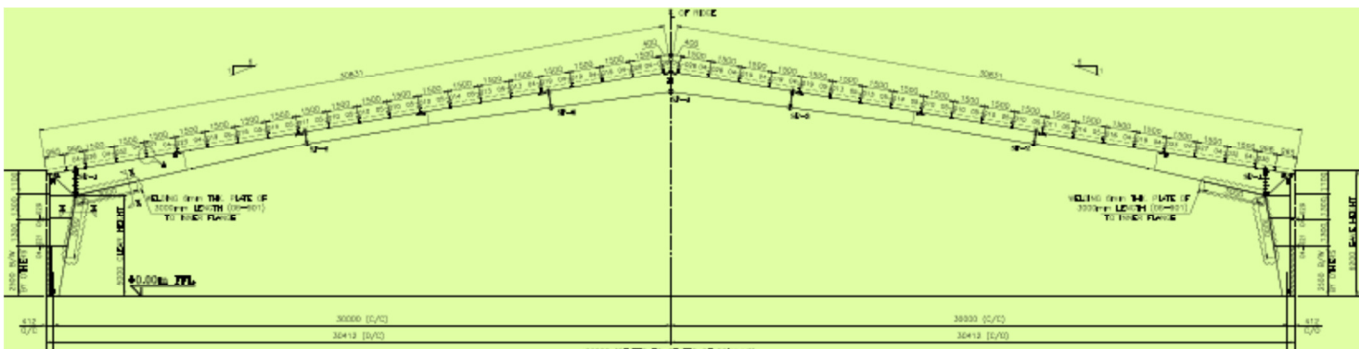
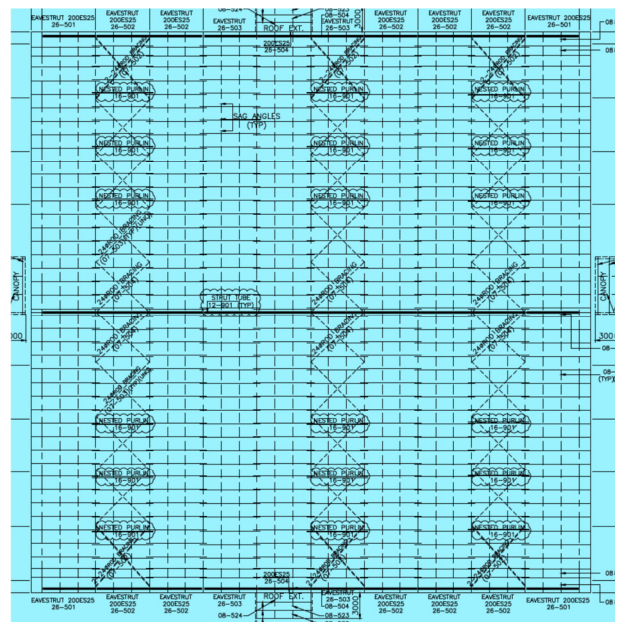


SIE scope includes the proof checking of 60m x 60m PEB Steel Structure and its foundations.

Wind speeds of 50m/sec with no obstructions are the design criteria. Structure is classified as important, hence adequate importance factor is considered. Seismic zone-V to IS:1893 considered for stability purpose.

Recommendations included

- Haunch Stiffening to improve Frame Stability
- Improving Stability in plan by Tie-beams and
- Longitudinal Stability by changing Elevation bracings from rod bracings to L bracings.
- Foundation piling review and recommendations



Date: 2014

Client: Chief Construction Engineer R&D (East) DRDO

Type: Steel PEB Structure

Plan Dims: 60mx60m

Height: 11.2m

Firm's Responsibilities: Proof Checking of Structural Design