SHREE STRUCTURAL ENGINEERING SERVICES



EXPERTS IN PEB DESIGNS AND DRAWINGS

STRUCTURAL INTEGRITY. ENGINEERED FOR EFFICIENCY.







ShreeSES's Expertise and Services we provide:

At Shree Structural Engineering Services, our strength is in technical precision and deep industry knowledge, ensuring every structure is optimized. We are not just consultants; we are your strategic engineering partner.

Service

Concept & Feasibility

 Preliminary structural assessment, load calculation, and material planning for budgetary accuracy, providing you Informed Decisions.

Structural Design & Analysis

 Detailed 3D modeling, advanced stress analysis, and complete structural drawings, gaining your utmost <u>Guaranteed Safety & Integrity</u>.

Project Review & Audits

• Independent third-party review of PEB designs for safety, efficiency, and code compliance, favoring <u>Risk Mitigation</u>.



How and Why are we Different?

- Precision Engineering: With our more than 10+ years of industry experience we can help you achieve maximum reduction in steel tonnage, significantly lowering your procurement and construction cost.
- Cost Efficiency & Reliability: A proven past record of on-time delivery and structures built to exceed industry standards with optimal designs that maximize utility while minimizing material waste and project timelines.
- Speed & Accuracy: Our design, drafting, and fabrication data are managed such that it eliminates coordination errors. Which means, faster erection in turn accelerating your project timeline and ensuring a quicker return on Investment (ROI).
- Total Compliance: We hold deep expertise in international codes (e.g., AISC) along with IS standards while ensuring seamless approval from local statutory bodies, preventing costly regulatory issues down the line.
- We act as your technical bridge, ensuring coordination between your architects, fabricators, and contractors.
- Many of our past testimonials mentioned, that we are experts in reducing weight and cost of steel









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Technical Differentiators:

- Seismic & Wind Upliftment Modelling: Implement structural analysis for precise foundation reaction prediction and structural performance under extreme seismic (e.g., ASCE 7) and high-wind conditions.
- Girt & Purlin Systems: Optimized cold-formed member design using C-section/ Z-section combination to minimize deflection and ensure cost-effective secondary member framing.
- Clash-Free Detailing: All design is executed ensuring zero dimensional or connection-clash errors are passed to the fabrication shop.
- Direct output of CNC-ready files and a verifiable BOM from the model, leading to 99.9% accuracy in quantity take-offs and preventing on-site material shortages or surpluses.
- Connection Design Integrity: Specialized in complex rigid frame connections (Moment and Shear) with validated bolt-pattern, minimizing erection time and field modifications.
- Fatigue & Serviceability Checks: Execute detailed serviceability limit state checks for deflection, providing a structure with superior operational lifespan and minimal maintenance requirements.
- Third-Party Review Readiness On requirement with respective charges: Our documentation package includes comprehensive Design Basis Reports (DBR) and calculation logs, designed for rapid and successful third-party and statutory review.











Our Biggest Project yet

150,000 sq. ft project near Surat completed without any errors.

From Estimation stage until Erection Drawings we take only around 18 days subject to smooth approval from client/ consultant. Our Detailed time-line is as follows depending on the complexity of the structure

Estimation 2 to 5 working days

AB Plan 3 to 5 working days

GA Drawings 7 to 10 working days

Fabrication Drawings + Material BOQ 8 to 11 working days

Erection Drawings within 3 working days

Sheeting Drawings + Sheeting BOQ 4 to 7 working days

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We cater all types of PEB structures such as Warehouses, Airport hangers, Multi-storey Mezzanine structure, Boiler house shed or any other kind of Pre-Engineered Steel Buildings.

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Together, let's build your next Engineering Marvel, contact us at following details.

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Proprietor

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Designed and Delivered thousand's of tonnes of PEB structures and counting.