



PRE - ENGINEERING BUILDINGS

INDUSTRIAL BUILDING

WAREHOUSES

MULTI FLOOR BUILDINGS

COMMERCIAL COMPLEXES

Z & C PURLINS

COLOR COATED SHEETS

ALL TYPES OF ROOFING & ACCESSORIES

OUR SERVICES



DESIGN



MANUFACTURING



EXECUTION



PROJECT MANAGEMENT



INTERIOR



EXTERIOR

Introduction

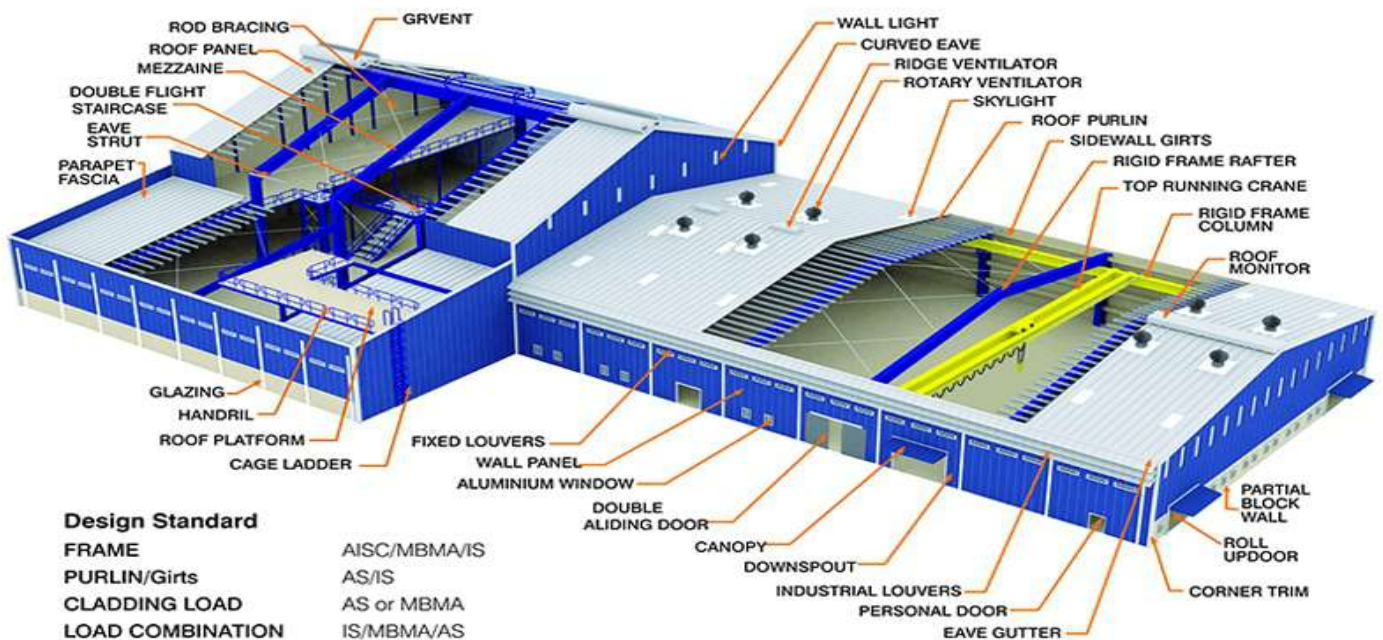
WELCOME TO SHANKRA PROJECTS

Welcome to our PEB (Pre-Engineered Building) Construction Company, a trusted leader in designing, manufacturing, and constructing high-quality steel building solutions. We specialize in delivering innovative, cost-effective, and durable Pre-Engineered Buildings for industrial, commercial, warehousing, logistics, agricultural, and infrastructure projects.

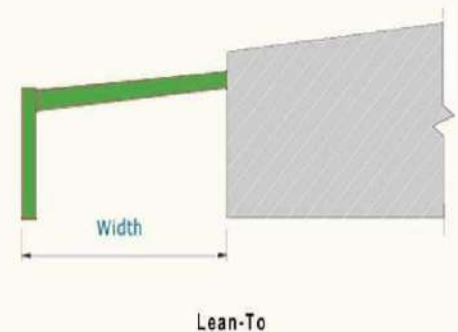
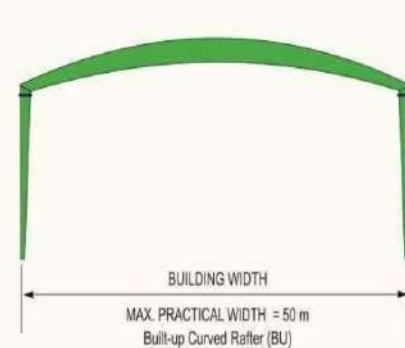
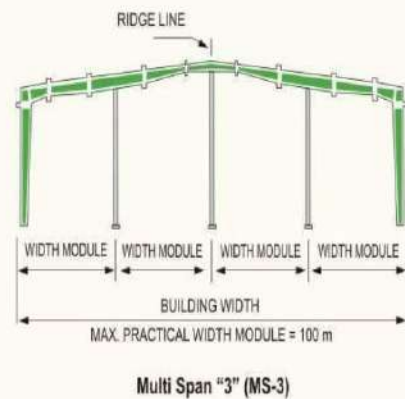
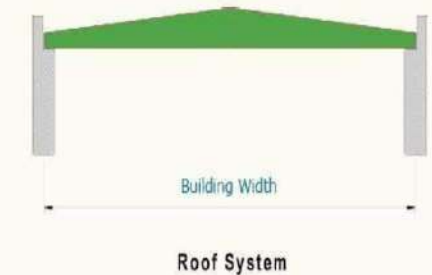
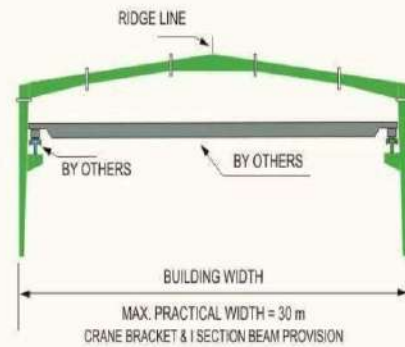
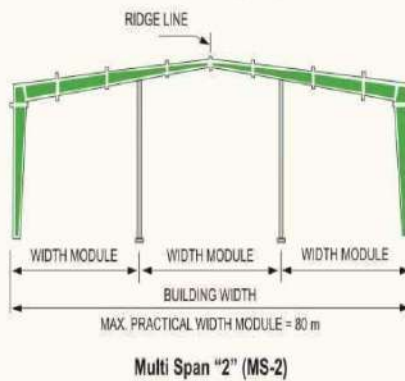
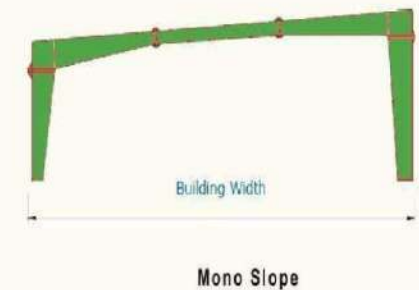
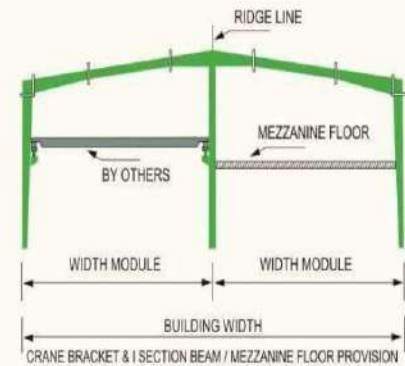
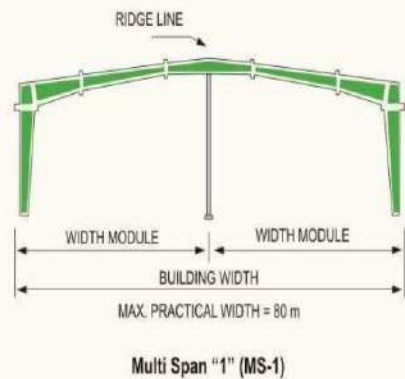
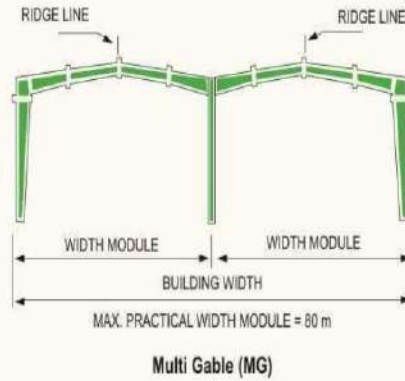
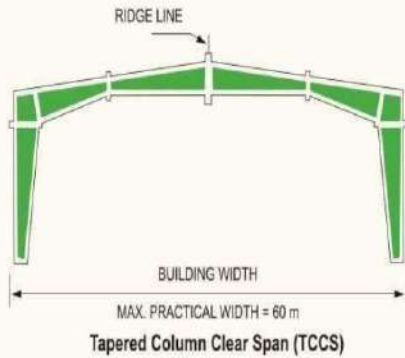
With a team of experienced engineers, project managers, and skilled professionals, we provide end-to-end solutions from concept design and structural analysis to fabrication, erection, and project completion. Our commitment to quality, safety, and timely delivery ensures that every project meets the highest industry standards and customer expectations.

By utilizing advanced engineering technologies and premium-grade materials, we create sustainable and efficient structures that offer superior strength, flexibility, and long-term performance. Our customer-focused approach, technical expertise, and dedication to excellence have made us a preferred partner for PEB construction projects.

We strive to build strong, reliable, and innovative structures that contribute to the growth and success of our clients while maintaining the highest standards of professionalism and integrity.

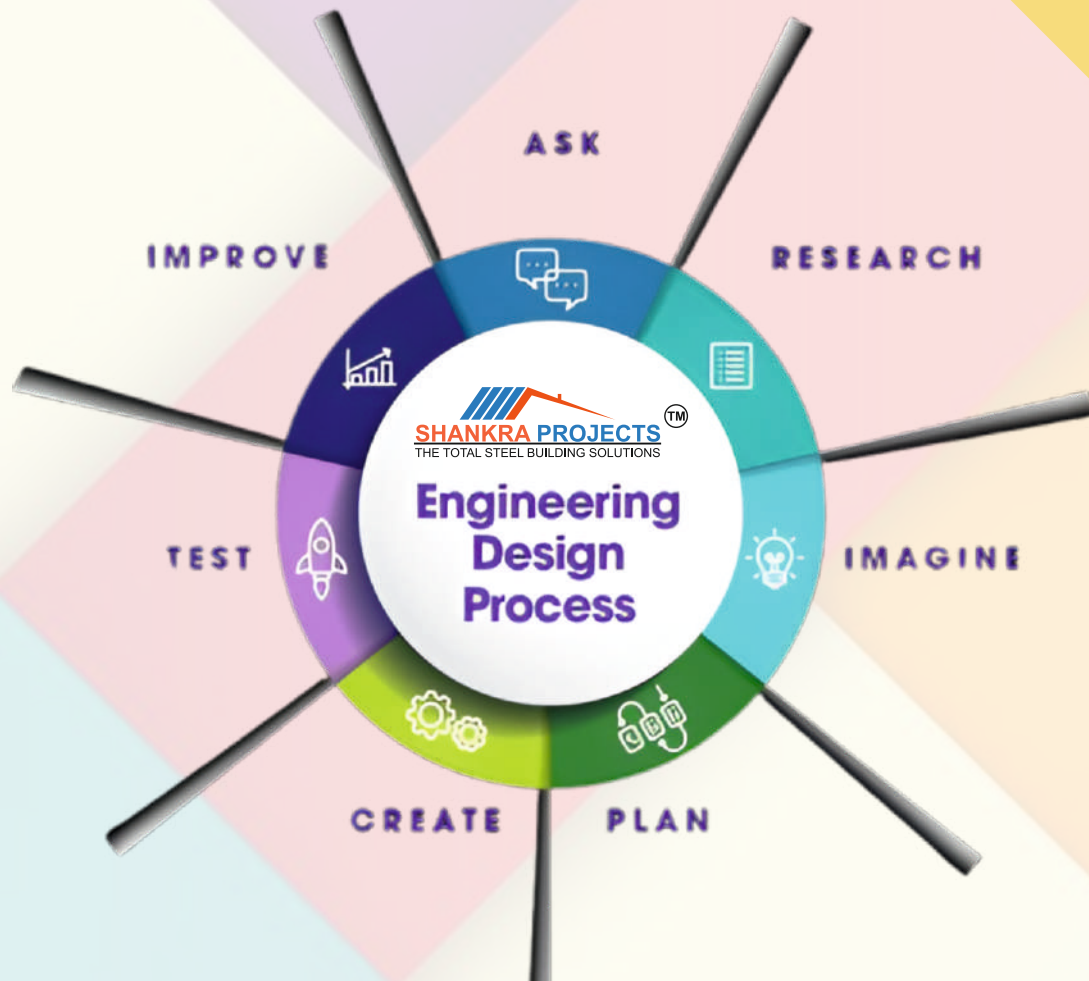


Primary Framing System



Advantages of PEB

Short Project Time	These building are generally constructed in just 8 to 10 weeks after approval of drawings. PEB will thus reduce construction time of the project by at least 35-40%, this allows faster occupancy and earlier realization of revenue.
Cost Efficiency	Because of systems approach, considerable savings is achieved in design. Manufacturing and erection cost.
Easy to Expansion	These can be easily expanded in length by adding additional bays. Also expansion in width and height is possible by pre design for future extensions.
Large Clear Spans	Pre Engineered structures can be supplied to around 90 M clear spans. This is one of the most important advantage of PEB giving column free space
Quality Control	Built up sections are manufactured completely in the manufacturing unit / factory under controlled conditions, and hence the quality can be assured.
Low Maintenance	PEB Buildings have high quality paint systems for cladding and steel to suit ambient conditions at the site, which in turn gives long durability and low Maintenance coats.
Erection	Built up sections are brought to site in CKD conditions, thereby avoiding cutting and welding at site, as PEB sections are lighter in weight, the small members can be very easily assembled. This allows very fast construction and reduces wastage and manpower requirement.



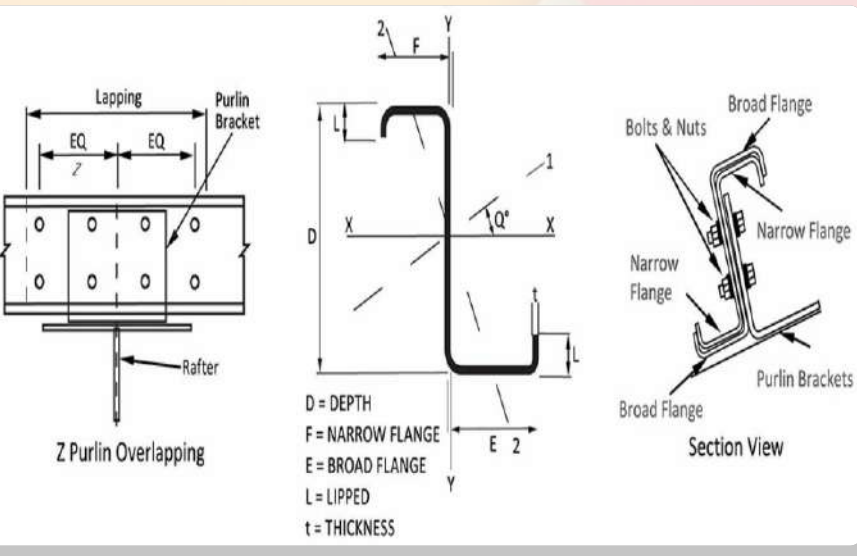
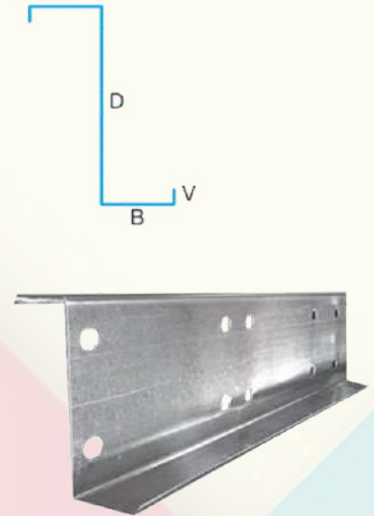
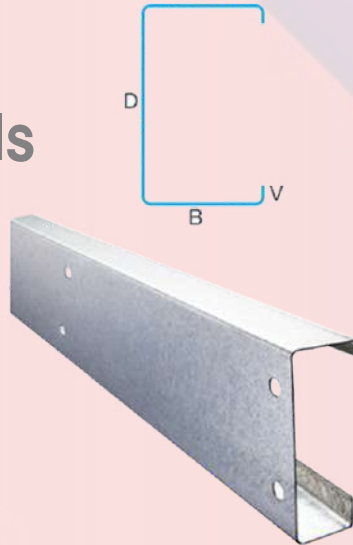
PEB (Pre-Engineered Building) Codes and Specifications

re-Engineered Buildings (PEB) in India are generally designed and constructed according to Indian Standards (IS Codes), National Building Code (NBC), and international steel design standards where applicable.

Major Indian Codes for PEB Design

Code	Purpose
IS 800:2007	General construction in steel and structural design
IS 801	Design of cold-formed steel sections (Purlins & Girts)
IS 875 (Part 1-5)	Dead loads, live loads, wind loads, snow loads, and special loads
IS 1893 (Part 1): 2016	Earthquake-resistant design
IS 2062	Structural steel material specifications
IS 816	Welding standards for steel structures
NBC (National Building Code)	Overall building planning, safety, and fire requirements

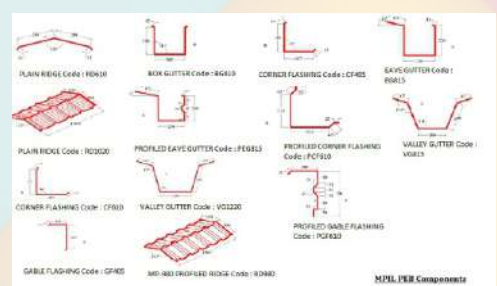
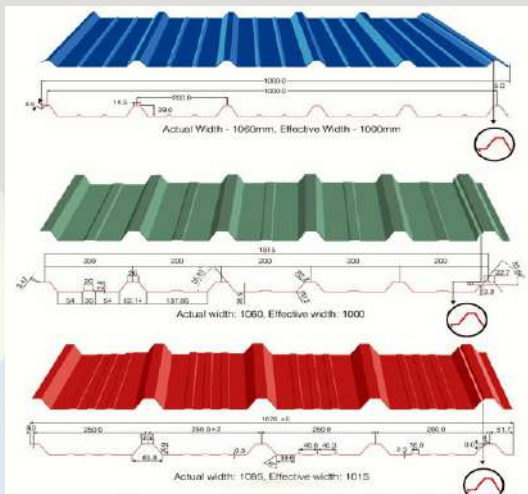
Z & C Purlins



In pre-engineered building systems, purlins, girts and eave struts are secondary members, used to support the wall and Roof Panels. Purlins are most commonly used in metal building systems. Z purlins are used on the roof. girts are used on the walls and eave struts at the interaction the side wall and the roof.

Roof & Wall Panels

Metal Roofing Materials are primarily manufactured from Aluminium / Zinc and steel, as they are economical, relatively easy to work are durable and able to receive a number of different finishes.



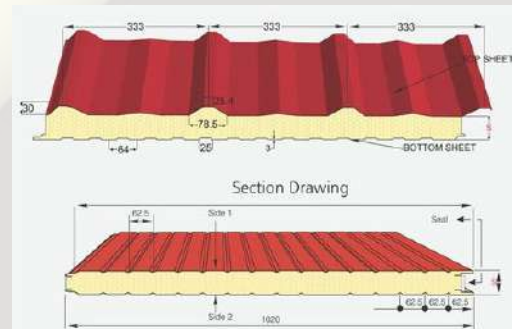
Polycarbonate & Multiwall Sheets

Polycarbonates (PC) are a group of thermoplastic polymers containing carbonate groups in their chemical structures. Polycarbonates used in engineering are strong tough materials, and some grades are optically transparent. They are easily worked, molded and thermoformed. Because of these properties, polycarbonates find many applications.



Sandwich Puff Panels

A sandwich panel is any structure made of three layers: a low-density core, and a thin skin-layer bonded to each side. Sandwich panels are used in applications where a combination of high structural rigidity and low weight is required. sandwich panels are an example of a sandwich structured composite.



Decking Sheets

In architecture, a deck is a flat surface capable of supporting weight, similar to a floor, but typically constructed outdoors, often elevated from the ground, and usually connected to a building. The terms is a generalization of decks as found on ships.



PEB Construction Engineer Team

The Pre-Engineered Building (PEB) Construction Engineer Team is responsible for planning, designing, coordinating, and executing PEB projects efficiently while ensuring quality, safety, and timely completion. The team works closely with clients, architects, fabricators, and site personnel to deliver durable and cost-effective steel structures.



Key Responsibilities

- Planning and supervising PEB construction activities.
- Reviewing structural drawings and technical specifications.
- Coordinating with design, fabrication, and erection teams.
- Monitoring project schedules, budgets, and resource utilization.
- Ensuring compliance with safety and quality standards.
- Conducting site inspections and resolving technical issues.
- Managing material requirements and construction progress.
- Preparing project reports and documentation.

Team Members

- Project Manager** – Oversees project execution and client coordination.
- PEB Design Engineer** – Designs steel structures and prepares calculations.
- Site Engineer** – Supervises on-site construction and installation activities.
- Quality Control Engineer** – Ensures adherence to quality standards.
- Safety Officer** – Implements workplace health and safety measures.
- Planning Engineer** – Develops project schedules and monitors progress.
- Surveyor** – Performs site measurements and layout work.
- Construction Supervisor** – Manages labor and daily site operations.

Objectives

- Deliver projects safely, on time, and within budget.
- Maintain high standards of structural quality and performance.
- Optimize construction processes and resource efficiency.
- Ensure customer satisfaction through effective project management.

A strong PEB Construction Engineer Team plays a vital role in the successful completion of industrial buildings, warehouses, factories, commercial complexes, and other steel structure projects.

Skilled Workers in PEB Building Construction

Skilled workers play a vital role in the successful construction of a Pre-Engineered Building (PEB). Their expertise ensures quality, safety, timely completion, and structural reliability throughout the project.

Key Skilled Workers in PEB Construction

Steel Erectors: Assemble and install primary and secondary steel structures according to engineering drawings.

Welders: Perform high-quality welding of structural components, ensuring strength and durability.

Fabricators: Prepare and fabricate steel members, plates, brackets, and connection components.

Riggers: Handle lifting operations, secure loads, and assist crane operators during steel erection.

Crane Operators: Operate cranes and lifting equipment safely for positioning structural members.

Bolt Tightening Technicians: Install and tighten high-strength bolts to specified standards.

Roofing and Cladding Installers: Fix roof sheets, wall panels, insulation, flashings, and accessories.

Electricians: Install electrical systems, lighting, power distribution, and grounding systems.

Painters and Coating Applicators: Apply protective coatings and finishes to prevent corrosion and improve appearance.

Importance of Skilled Workers

Ensure compliance with engineering specifications and safety standards.

Improve construction quality and structural integrity.

Reduce project delays and rework.

Enhance workplace safety during erection and installation activities.

Contribute to efficient use of materials and equipment.

Conclusion

Skilled workers are the backbone of every PEB construction project. Their technical knowledge, experience, and commitment to safety help deliver durable, cost-effective, and high-quality buildings for industrial, commercial, and warehouse applications.



Shankra Projects Gallery







SHANKRA PROJECTS™
THE TOTAL STEEL BUILDING SOLUTIONS

📍 #534, 1st Floor, Opp. Kalaniketan College,
AECS Layout, 'A' Block Singasandra, Bengaluru - 560068.

🌐 www.shankraprojects.com

✉ sales@shankraprojects.com

📞 Office : +91 8073881912

Mobile: +91 97316 04108 | +91 78923 66286

