



FERRO STRUCTURALS



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Pre-Engineered Buildings ■ Composite Steel Buildings ■ Tensile Membrane Structures ■ Skylights ■ Interiors

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Ferro Structural's founded in the year 2022, have registered office in Bengaluru & provide services across India. We have experience of more than 10 years in steel construction. Ferro Structural's offer wide range of products, services like design, manufacturing, installation & cost effective solution for all your project needs & project Management Services.

Ferro Structural's team has a diverse portfolio of successful projects, ranging from commercial buildings, industrial facilities & residential structural steel works. Our high-quality workmanship & attention to detail have earned us accolades from clients & industry professionals alike. The company's innovative approach to design & construction ensures that their structures are not only functional but also aesthetically pleasing. The company prides itself on being able to work with a range of budgets, ensuring that clients are able to achieve their goals without compromising on quality & requirements.

Ferro Structural's prides itself on its exceptional customer service. Its team of experienced professionals dedicated to collaborating closely with clients to ensure that their needs & goals are met. From the initial consultation to the final project handover, the company's team provides personalized attention to every detail to ensure that clients are completely satisfied with the end result. The company's strong work ethic, attention to detail & commitment to delivering projects on time, within the budget & customer satisfaction have earned it a reputation in the industry. Whether it's a small garage industrial plant, or a commercial office building, we approaches every project with same level of care & professionalism.

Each project is subjected to a quality control process & regular inspections to ensure that the finished product is safe & secure for its intended use. In addition to its environmental sustainability efforts, the company places a strong emphasis on using local suppliers & supporting local businesses in the communities they work in. We believe in fostering positive relationships with suppliers & the local community to ensure a smooth construction process & a positive long-term impact.

Ferro Structural's team also places a strong emphasis on safety, both for staff & clients. All their workers are trained in best work practices & are equipped with appropriate personal protective equipment (PPE) for each project. The company ensures that all materials used in construction are of the highest quality & meet the required safety standards.

In conclusion, Ferro Structural's is a reliable & reputable company that consistently delivers high-quality steel structures. Overall, the company's dedication to quality, sustainability, safety & customer satisfaction makes it a one stop solution for all kinds of steel construction.

DESIGN & DETAILING

Our Extensive design services includes optimum engineered solutions to aid individual projects including site surveys and technical detail drawings for site installation & factory production.

Our in-house team of Design & Structural Engineers is some of the leading minds in the industry.



PROJECT MANAGEMENT

When Ferro structurals is appointed, our team becomes an extension of our customer's team. We secure an in-depth understanding of the project requirements to ensure the design, fabrication & site works run effectively.

Integrity, reliability and knowledge amongst our project teams have forged the long established relationships we hold with our clients and outstanding customer service is held firmly as a core value of our business.

FABRICATION

Products are produced in-house within our extensive facility at Bangalore. Customers are actively encouraged to visit our factory to satisfy themselves of quality and capacities on offer.

We are extremely proud of our fabrication and welding capabilities. Our welders are qualified to the standards required in the industry. Our principle welding processes include submerged Arc, MAG, MIG and TIG.



INSTALLATION

Our highly trained and competent installation teams install products on a complete sub-contract basis. All crews are directly employed to maintain quality and provide a prompt high-class service on site.

OUR SERVICE, RELIABILITY & KNOWLEDGE HELPS TO BUILD RELATIONSHIPS THAT ENSURE SUCCESSFUL PROJECT COMPLETION.

PRE-ENGINEERED BUILDINGS (PEBS)

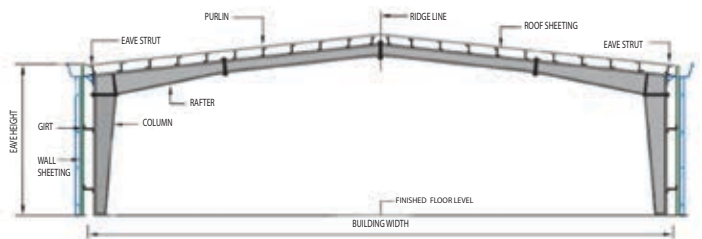
Pre-Engineered Buildings (PEBs) is a metal building that consists of light gauge metal roof panels on steel purlins spanning between rigid frames with light gauge metal wall cladding. They drastically reduce construction time. Maintenance is also extremely low. PEBs optimally utilize resources, and leverage technology to the maximum. Pre-engineered buildings have gained a global reputation for durability, water and earthquake resistance. PEBs are tremendously versatile – they are easy to set-up, expand, modify, and transport to different locations. They are environmentally friendly and can be aesthetically designed with unique features. An estimated 20-30% can be saved on cost, as compared to conventional building methods.

ADVANTAGES OF PEBs

- Reduction in Construction Time.
- Lower Cost.
- Flexibility of Expansion.
- Larger Spans.
- Quality Control.
- Low Maintenance.
- Energy Efficient Roofing and Wall Systems.
- Architectural Versatility.
- Single Source Availability.



STANDARD FRAMING SYSTEMS



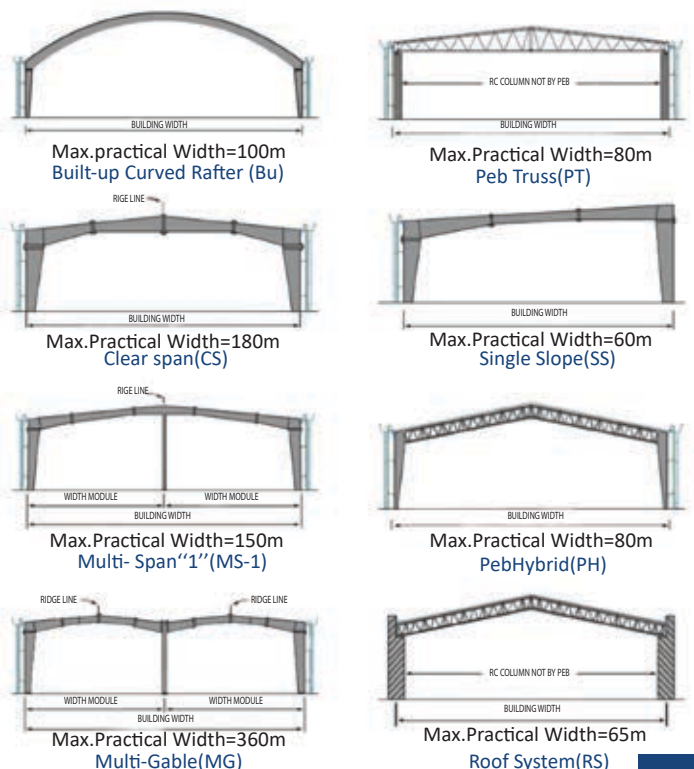
TYPICAL CROSS SECTION

COMPONENTS & ACCESSORIES OF PEB

- Foundation Bolts
- Columns
- Rafters
- Purlins
- Roofing Sheets
- Cladding Sheets
- Brace & Sag Rods
- Ridge Ventilators
- Gutter & Downtake
- Windows
- Rolling Shutters
- Turbo Ventilator
- Roof Skylight

MAJOR APPLICATIONS OF PEBs

- Factories
- Warehouses
- Sports Halls
- Supermarkets
- Workshops



COMPOSITE STEEL BUILDING

Reinforced concrete structures and Composite steel structures follow a similar load transfer method but they differ in several factors like material, construction, load carrying capacity, durability, etc. One of the important difference is that the RCC structures uses concrete and the Composite steel structures employs steel for their construction. Some of the important differences between RC structures and steel structures are explained here.

ADVANTAGES OF COMPOSITE STEEL BUILDINGS

- Composites have a high strength-to-weight ratio.
- Composites are durable.
- Composites open up new design options.
- Steel structures are resistance to dynamic loads.
- The steel structures have an appreciable load-carrying capacity.
- Steel structures do not demand heavy foundation.
- Steel structural elements have high tensile strength.
- Steel structures are constructed with high speed.



COMPONENTS & ACCESSORIES OF COMPOSITE STEEL BUILDINGS

- Foundation Bolts
- Columns
- Primary Beams
- Secondary Beams
- Decking sheets
- Concrete over the deck
- Staircase
- Lift Support Structure
- Railings
- Edge Trims

MAJOR APPLICATIONS OF COMPOSITE STEEL BUILDINGS

- Commercial Multistory Buildings
- Hospitals
- Office Buildings
- Shopping Centers
- Farm Houses



TENSILE MEMBRANE STRUCTURES

Fabric tensile structures is a stretched fabric material in surface tension formed to a three-dimensional surface that can be used to create a roof, shading, or decorative component by tensioning. It is constructed using a specialised fabrics under tension to support self-weight and take care of the live load providing a very cost effective and covering a large distances without intermediate supports.

Tensile Membrane Structures are architecturally innovative forms of construction art that provide designers and end users a variety of aesthetic free-form designs.

ADVANTAGES OF TENSILE MEMBRANE STRUCTURES

- Flexible Design Aesthetics
- Wide Range Of Uses
- Cool atmosphere
- Durable
- Lightweight Nature
- Low Maintenance
- Quicker Installation



COMPONENTS & ACCESSORIES OF TENSILE MEMBRANE STRUCTURES

- Steel Structure
- Tensile Fabric
- Corner / End Plates
- Aluminum Profiles
- Cables
- Other Fixtures

MAJOR APPLICATIONS OF TENSILE MEMBRANE STRUCTURES

- Amphitheaters
- Cafeteria
- Building Envelopes
- Entrance Canopies
- Stadiums
- Walkways
- Atriums
- Parking's



SKYLIGHT

A Skylight (sometimes called a roof light) is a light-permitting structure and can provide ventilation as well. Skylights are done using different materials such as Glass, Polycarbonate sheets, Acrylic Sheets & Transparent Sheets etc.,

Skylight Systems allow diffused light to enter the building and add to the aesthetic appeal of the viewer.



ADVANTAGES OF SKYLIGHTS

- Ability to allow natural light
- Energy efficiency
- Ventilation
- High impact strength
- Design freedom & flexibility
- UV resistance

MAJOR APPLICATIONS OF SKYLIGHTS

- Amphitheatres
- Cafeteria
- Terrace Coverings
- Entrance Canopies
- Walkways
- Atriums
- Parking's
- Dome's



COMPONENTS & ACCESSORIES OF TENSILE MEMBRANE STRUCTURES

- Steel Structure
- Glass
- Polycarbonate sheets
- Aluminum Profiles
- Other Fixtures

INTERIORS

Interior works refer to the design, decoration, and construction of the interior space of a building, such as homes, offices, hotels, restaurants, and other commercial establishments. The goal of interior works is to create a functional and aesthetically pleasing environment that enhances the quality of life of the occupants.

Interior works typically involve a combination of various elements, such as lighting, flooring, wall treatments, furniture and accessories. The process begins with a consultation with an interior designer or decorator to discuss the client's needs and preferences. The designer will then create a design plan that includes a color scheme, furniture arrangement and selection of materials etc.,



INTERIOR WORKS WE OFFER

- Light Weight Walls
- Glass Glazing / Partitions
- False Ceiling
- Aluminum Partitions
- UPVC Partitions
- Doors & Windows
- Painting works
- Flooring
- Electrical works



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