



BUILT FASTER. SMARTER. WITH SPEB INFRA.

Your trusted partner for high-quality Pre-Engineered Building solutions that are Fast to build, Built to last.



WHO WE ARE?

We specialize in providing customized steel structures that meet the highest standards of quality and performance, ensuring your project is completed on time and within budget. From industrial warehouses to commercial complexes, we are your trusted partner in building the future.



ABOUT US



Founded with a vision to revolutionize the Indian construction industry, SPEB Infra Pvt. Ltd. has grown into a premier provider of Pre-Engineered Building solutions. Our journey began with a team of passionate engineers and construction professionals who recognized the need for smarter, faster, and more sustainable building methods.

From our headquarters in Noida, we have successfully completed numerous projects across the country, earning a reputation for reliability, innovation, and an unwavering commitment to client satisfaction. We combine deep technical expertise in structural engineering with a practical understanding of business needs to deliver buildings that are not just structures, but valuable assets. Our tagline says it all: we deliver solutions that are Fast to build, Built to last.



Vision

To be India's most trusted PEB solutions provider by delivering superior quality, innovative engineering, and exceptional customer service, ensuring every project is a benchmark of excellence.



Mission

To lead the structural steel revolution in India, creating sustainable and efficient infrastructure that empowers businesses and contributes to national growth.

WHY CHOOSE SPEB INFRA?

Pan-India Presence

With the capability to deliver and erect structures anywhere in India, we bring our expertise directly to your doorstep, no matter the location.

Durability

Engineered for long service life with robust corrosion protection options (high-performance coatings), low maintenance needs, and reliable performance in harsh climates, high winds, and seismic zones.

Speed & Efficiency

Our PEB systems can reduce construction time by up to 50% compared to traditional methods, enabling a faster return on investment for your business.

Cost-Effective

Optimized design and streamlined manufacturing processes significantly lower labor and material costs, providing you with a financially smart building solution.

Customized Design

Every building is designed by our expert engineers to meet your specific functional requirements, site conditions, and aesthetic preferences.

Superior Quality

We use only high-grade steel and advanced manufacturing techniques, ensuring your structure is durable, weather-resistant, and built to last in compliance with all Indian building codes.



OUR SERVICES

At SPEB Infra Pvt. Ltd., we offer an integrated, end-to-end service portfolio that covers every phase of your PEB project. Our systematic approach ensures quality control, timeline adherence, and seamless execution.



Design & Engineering

Our process begins with consultation and detailed requirement analysis. Our in-house team of structural engineers then uses advanced software to create an optimized and robust design that adheres to all relevant Indian Standard (IS) codes for load-bearing, wind speed, and seismic activity. We provide detailed drawings for your review and statutory approvals.



Manufacturing & Fabrication

Once the design is finalized, our state-of-the-art manufacturing facility in Greater Noida takes over. All components—from the primary framing to secondary members and cladding—are fabricated with robotic precision to ensure perfect alignment and uncompromising quality. Rigorous inspections at every stage guarantee that all components meet exact design specifications.



Erection & Installation

Our experienced on-site teams manage the entire erection process with a focus on safety and speed. A dedicated project manager serves as your single point of contact, providing regular updates and ensuring smooth execution from foundation checks to the final installation of roofing, cladding, and accessories.



Project Management

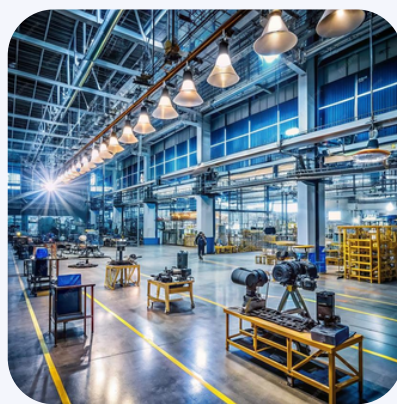
Specializing in Project Management Consultancy for Pre-Engineered Buildings, overseeing your project from design to completion. Our service ensures your PEB structure is delivered on time, within budget, and to the highest quality standards.



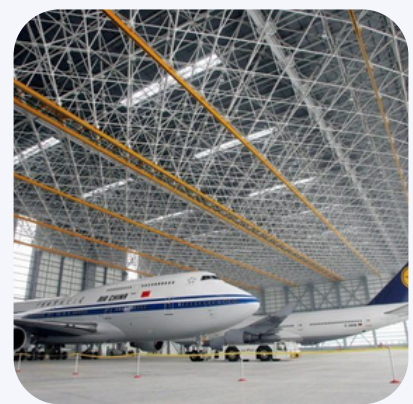
APPLICATIONS WE SERVE



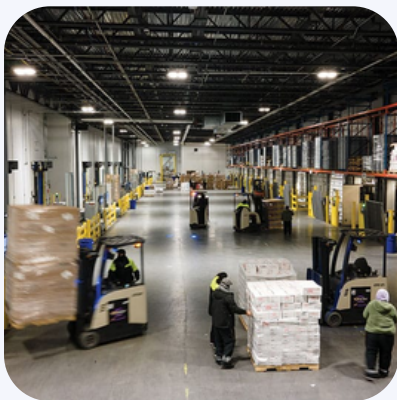
**Warehouses &
Logistics Centers**



**Manufacturing
Plants & Factories**



**Aircraft
Hangars**



Cold Storages



FMCG Units



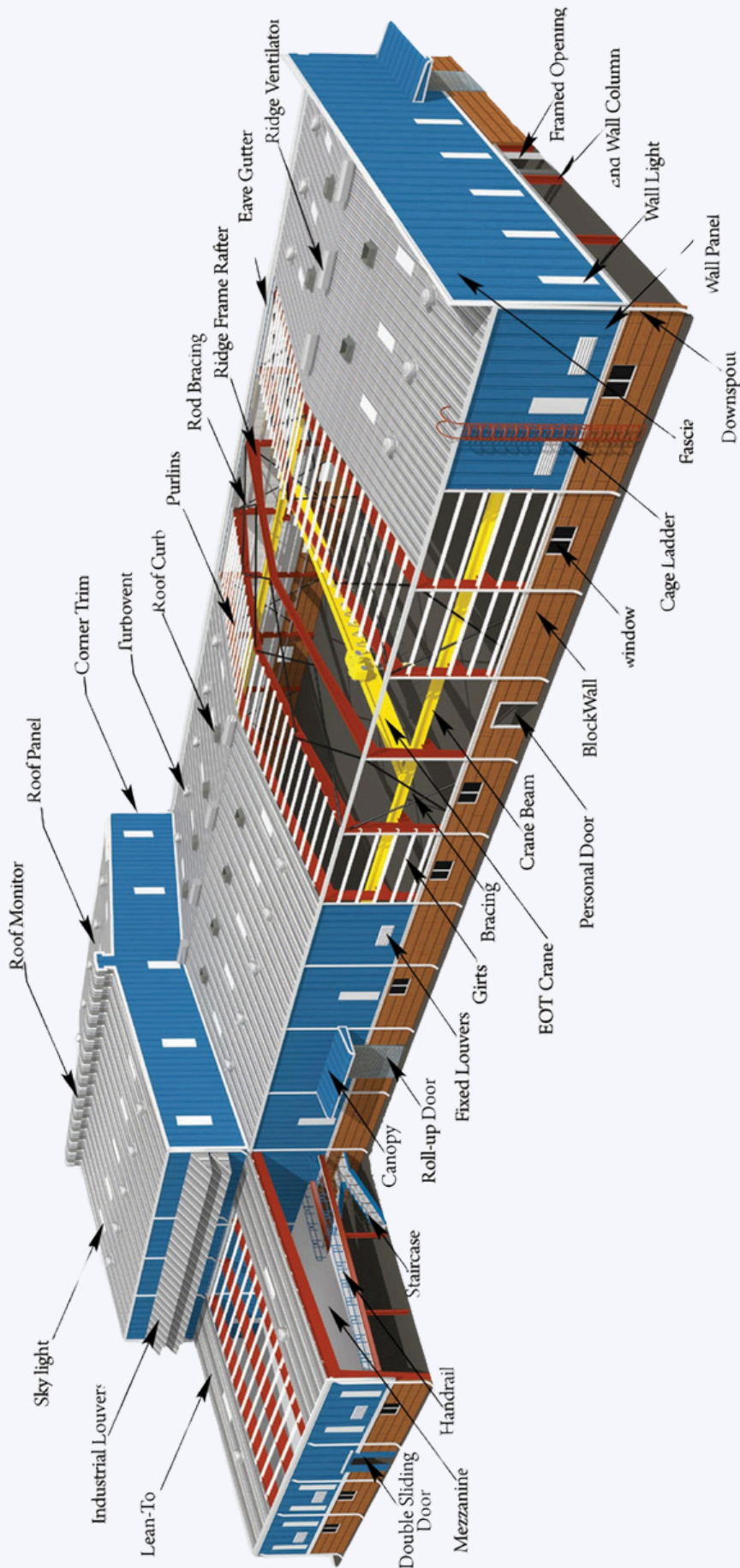
**Commercial
Structures**

Introduction to Pre-Engineered Building (PEB)

A Pre-Engineered Building (PEB) is a modern construction system where the structural components of a building are designed and manufactured in a factory before being transported to the construction site for assembly. Unlike conventional construction, which involves fabricating and assembling materials like steel, brick, and cement on-site, the PEB method relies on pre-fabricated, factory-made steel components that are bolted together



Components of Pre-Engineered Building:



✓ Primary Structural Components:

Main Frames: Rigid steel frames comprising tapered columns and rafters that form the building's backbone

Columns: Vertical I-section members that transfer loads to the foundation

Rafters: Sloped structural beams extending from ridge to wall plate, supporting roof loads



✓ Secondary Structural Members:

Purlins: Cold-formed Z or C-shaped sections supporting roof panels

Girts: Horizontal wall members in Z or C shapes that support wall cladding

Eave Struts: C-shaped members at the roof-wall intersection providing structural continuity



✓ Enclosure Systems:

Roof Panels: Galvanized steel sheeting providing weather protection and structural support

Wall Panels: Steel cladding systems offering durability and thermal performance

Insulation: Thermal barrier systems integrated with roof and wall panels



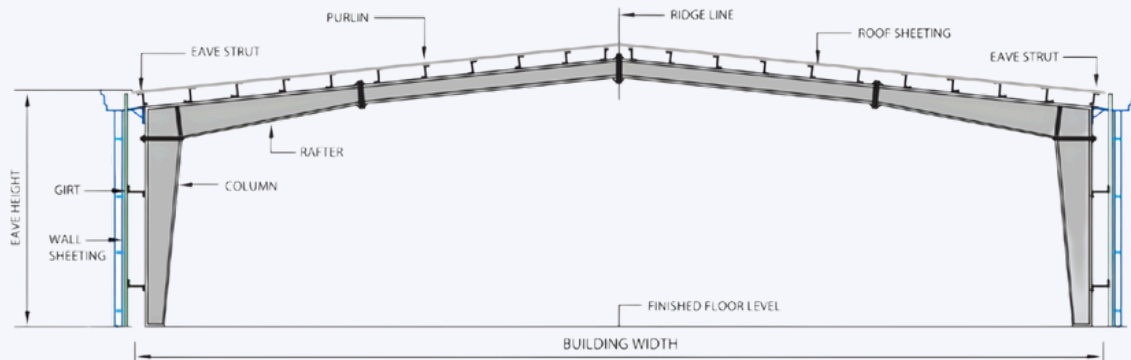
✓ Foundation and Connection Elements:

Foundation System: Concrete footings and grade beams distributing structural loads

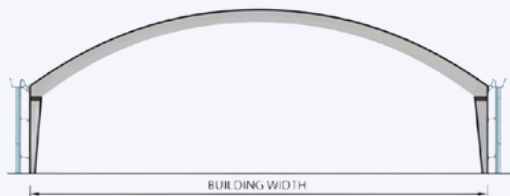
Anchor Bolts: Connection hardware securing the structure to foundations
Structural Hardware: High-tensile bolts, washers, and connection plates



Standard Framing Systems:

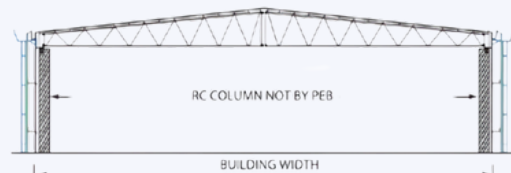


TYPICAL CROSS SECTION



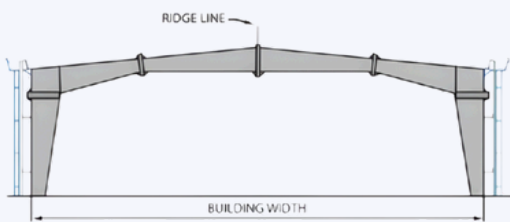
MAX. PRACTICAL WIDTH = 100 m

Built-up Curved Rafter (BU)



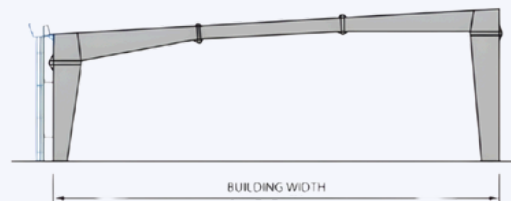
MAX. PRACTICAL WIDTH = 80 m

PebTruss (PT)



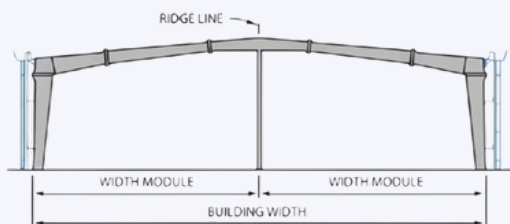
MAX. PRACTICAL WIDTH = 180 m

Clear Span (CS)



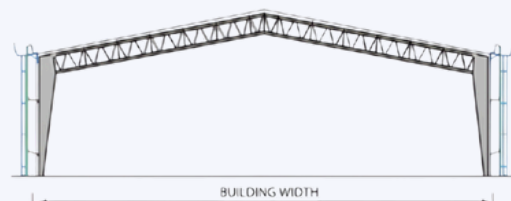
MAX. PRACTICAL WIDTH = 60 m

Single Slope (SS)



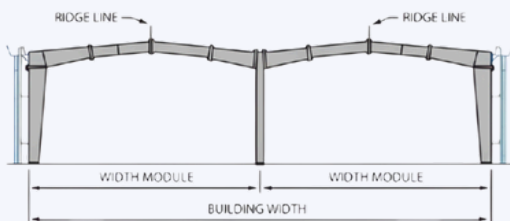
MAX. PRACTICAL WIDTH = 150 m

Multi-Span "1" (MS-1)



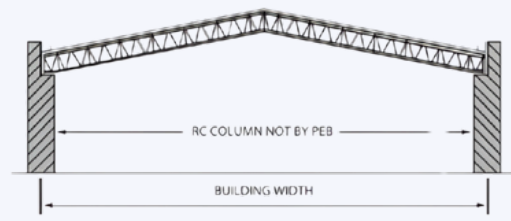
MAX. PRACTICAL WIDTH = 80 m

PebHybrid (PH)



MAX. PRACTICAL WIDTH = 360 m

Multi-Gable (MG)



MAX. PRACTICAL WIDTH = 65 m

Roof System (RS)

OUR CLIENTS



OUR

PROJECTS



KHVatec India PVT. LTD.



Saifi Auditorium



UIL Electronics India PVT. LTD.



Q-Tech (India)

WORK WITH US !

Let's Build Your Next Project Together.

Ready to discuss your requirements? Whether you have a detailed plan or are just starting to explore the benefits of PEB, our team is here to help. Reach out to us for a consultation and a free preliminary quote.



HEAD OFFICE:

SPEB Infra Pvt. Ltd. A-55,
Sector-16, Noida,
Uttar Pradesh - 201301



EMAIL:

info@spebinfra.com
spebinfra@gmail.com



MANUFACTURING FACILITY:

Gulistanpur, Site C Rd, Surajpur,
Greater Noida, Uttar Pradesh -
201306



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+91-9650364301