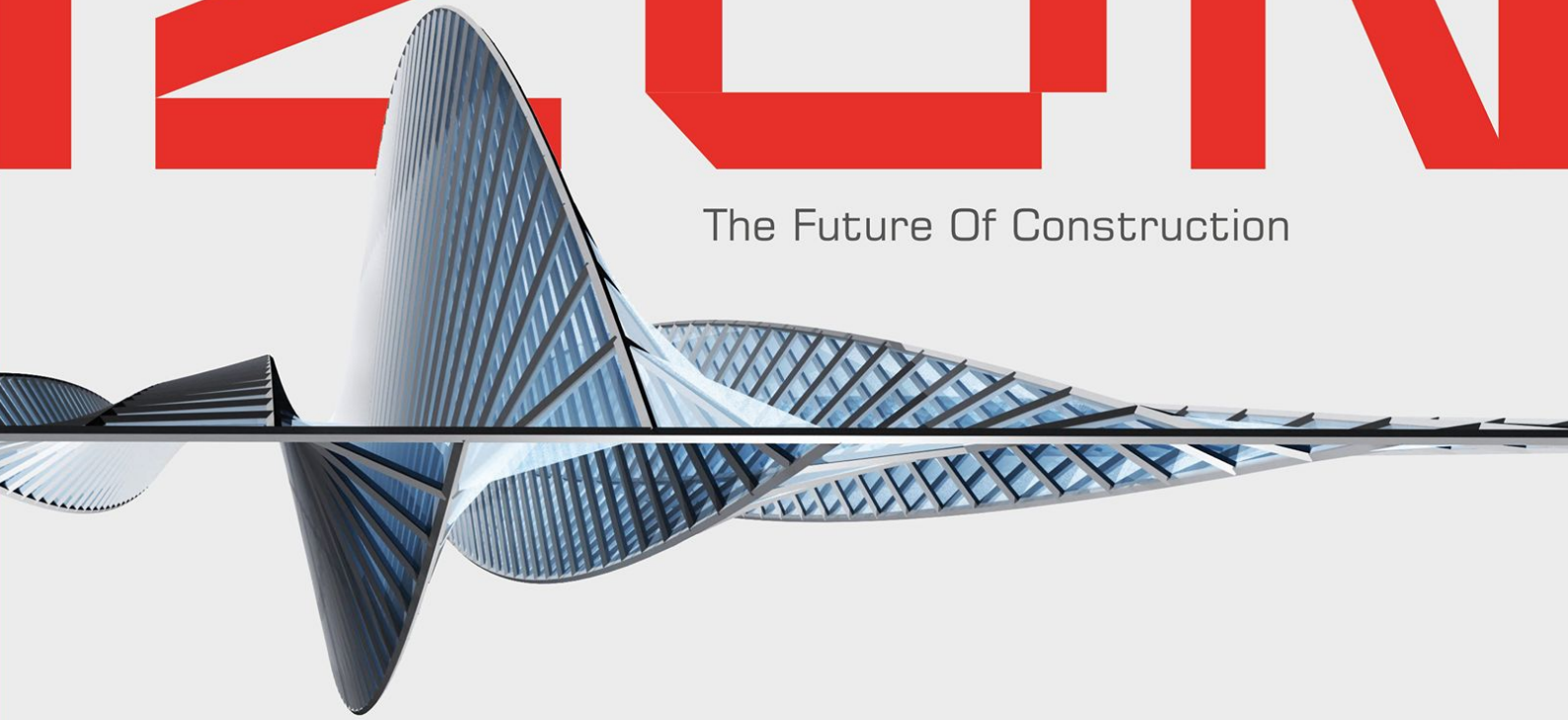




IZON

The Future Of Construction



INTRODUCTION

Structural steel projects and pre-engineered buildings are the speciality of **IZON PEB**, which also provides consulting services in these areas. Proficient in business development, project management, project execution, and customer interactions, the professionals who founded the company created its basis.

The primary driving force behind the establishment of IZON PEB structures has been the need to satisfy the country's expanding demand for pre-engineered structures in India and to offer clients a comprehensive end-to-end solution. Our goal is not just to provide customers with buildings, rather, we want to use our experience in all phases of a project from concept and planning to designing, detailing, manufacturing, and project execution to present clients with a quick and affordable solution.



VISION

To be the most dependable supplier of solutions for structural steel projects and pre-engineered buildings.

MISSION

To supply high-quality steel products. Providing related services and solutions to a worldwide client base while utilizing innovative technologies within an environment of motivated employees focused on continuous improvement, highest business standards, work ethics and corporate citizenship, leading to added value for our customers.





PEB STRUCTURES

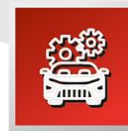
IZON PEB has emerged as leaders in the area of design, manufacturing, supply and installation of pre-engineered buildings and components, and structural steel products catering to Industrial / Commercial / Institutional applications such as



**WAREHOUSES &
LOGISTICS**



**MANUFACTURING
UNITS**



**AUTOMOBILE
INDUSTRIES**



**FOOD PACKAGING
INDUSTRIES**



**PHARMACEUTICAL
INDUSTRIES**



**OIL & GAS
PETROCHEMICALS**



**TEXTILE
INDUSTRIES**



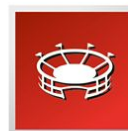
**POWER PLANT
STRUCTURES**



**COMMERCIAL
BUILDINGS**



**HIGH-RISE
BUILDINGS**



SPORTS



METROS



IZON PEB has brought innovation, design distinction, international expertise and above all, global quality to every customer who aspires for technological and structural superiority. With the state of the art manufacturing facilities near Ahmedabad, our plants are outfitted with highly precise CNC equipment to manufacture and offer top-notch, comprehensive steel buildings.

Pre-engineered buildings are constructed with built-up primary and secondary members, as well as single or double-skinned insulated wall and roof panels. A well-braced steel skeletal structure made up of built-up and secondary components is covered in wall and roof cladding. As a result, we have a weatherproof, energy-efficient, airtight facility that meet consumer needs. International Standards are used in the design of pre-engineered buildings. These are made according to the specifications of the customer and can be equipped with various structural accessories, including as crane beams, mezzanines, canopies, fascia, partitions and others, to improve the building's appearance and functionality.

COMPLETE SOLUTION



More than just providing and erecting pre-engineered metal buildings is what **IZON PEB** provides. We provide our customers with comprehensive solutions so they may concentrate on the strategic objectives of their business. We coordinate the efforts of all the departments to take on a single source responsibility for the project, namely

- Design & Engineering
- Production Facilities
- Project Management
- Logistics & Shipping
- Erection & Installation
- After Sales Service

ADVANTAGE OF PRE-ENGINEERED BUILDING

- Extremely quick fabrication as compared to traditional techniques.
- Economical and cost-effective building option.
- PEB design structure helps to minimize overall project cost as compared to conventional design.
- Large clear spans without columns are easily achievable with efficient costs.
- A pre-engineered building provides a great deal of flexibility for future additions and changes.
- Since production takes place in a factory setting, the greatest quality requirements are upheld.
- Long durability and low maintenance cost.
- Because steel is recyclable, pre-engineered buildings are constructed in an environmentally friendly manner.





WHY IZON PEB?

IZON PEB has been providing customers across many industries with custom prefabricated building solutions. Between providing superior structures and excellent customer service, IZON PEB has established itself as the industry-leading Prefabricated building manufacturer.

When working with IZON PEB, the company's Prefabricated Building Specialists help customers quickly realize the IZON PEB Advantage. Besides exceptional products, IZON PEB also provides several convenient in-house services, including consultation and design, engineering, installation and support after construction.



CONSULTING & DESIGN

From the start, customers work one on one with a dedicated IZON PEB Building Specialist. Whether customers are looking for a streamlined, quick design process or want to customize every detail of their structure, our Prefabricated Building Specialist will guide them through the entire process. IZON PEB specialists have industry experience and can offer invaluable advice, ensuring that each customer gets a structure that is best suited for their needs.

QUICK INSTALLATION

IZON PEB offers a convenient installation option that remove stress from the construction process. IZON PEB can send an entire crew to install a structure, send a project manager to manage existing crews or customers can complete the installation on their own.

POST INSTALLATION SUPPORT

After the project is complete, IZON PEB is still available to answer any questions. IZON PEB is always available even after completion of project for maintenance work is needed.

CUSTOMIZED DESIGN SOLUTIONS

A team of IZON PEB estimating engineers design, estimate and prepare proposal drawings for all special and complex projects. Their turnaround time for proposals is the fastest in the industry. After analysing your needs, our team of technical professionals provides you with a fully customised solution. We assist you not only with the design of the structure but also, after determining your needs, with the selection of the best building and roofing system, as well as any necessary accessories.

USPs:

- A skilled team for design, detailing, and checking, supported by a careful team for execution
- Steel's optimised design, which reduces weight while still adhering to all design specifications
- Simple integration of all conventional building components, including concrete, brickwork, glass, and wood.
- Superior design, production, assembly, and installation
- Cost-effective and efficient building system





APPROVED INTERNATIONAL STANDARDS



Bureau of Indian Standards IS-800, IS-801, IS-875, IS-1893 (BIS).



Welding is performed in accordance with Structural Welding Code - Steel manual.



Cold-formed Steel Design Manual (AISI) – American Iron and Steel Institute, USA.



Steel Construction Manual, (AISC) - American Institute of Steel Construction, USA.



Testing of Materials as per norms of American Society for Testing & Materials.



OUR PRODUCTS

BUILDINGS WITH MEZZANINES

IZON PEB Standard Mezzanine system is a combination of profiled GI steel deck, built-up primary beams, mezzanine joists and intermediate support columns. Built-up beams span in lateral directions and mezzanine joists in longitudinal directions bolted to the top flange of beams. A concrete slab is cast on the steel deck as a finished surface. Shear buttons are provided on the deck panel for proper bonding of concrete with deck panel. Steel checkered plates can also be used as top surface. Mezzanine systems are used in industrial buildings for additional storage space and office space requirement in building itself.

Mezzanine is a cost-effective and time efficient way to create additional storage space in any new or existing building. Mezzanines create additional floor space by going up not out, saving you the considerable cost of new construction. The prefabricated design also saves time since all components arrive prefabricated and ready for immediate installation.

MULTI- STOREYED BUILDING

The Pre-Engineered Steel building technology in multi-storeyed construction is very popular in western countries. The technological improvement in multi-storeyed construction technology and due to the advantage of lesser time requirement in construction, usage of Pre-Engineered Steel building is becoming popular in multi-storeyed construction in India now these days.

ADVANTAGES OF STEEL MULTI - STOREYED BUILDING

We offer complete solution for designing, manufacturing and execution of these steel multi-storeyed buildings as per international quality standards.



- Speedy and time-savvy construction than RCC.
- Smooth and hassle-free execution at site.
- Larger spans without intermediate columns can be effectively achieved in comparison to RCC.
- Lighter Foundation required for steel buildings due to less weight than RCC, thus saving on Foundation cost.
- Greater ease of expansion & modification in steel buildings
- Earthquake resistant design

SANDWICH PU/PIR PANELS

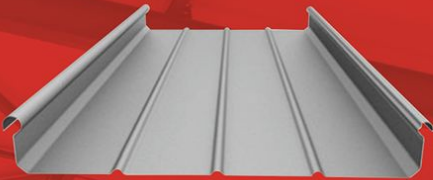
For big industrial structures such as refrigerated warehouses, office complexes, exhibition halls, fair pavilions, schools, and sports halls, the preferred system nowadays is metal-faced polyurethane sandwich panels. Specially molded tongue-and-groove joints are included with polyurethane sandwich panels to ensure optimal integrity and a flawless fit. Fast, simple, and affordable assembly is involved.



ROCKWOOL FIREPROOF PANELS

The Rockwool sandwich panel is made of galvanized pre-painted steel at both the top and bottom. Rock wool, which has a density of 100 kg/m³, makes up the core material and is positioned upright against the surfaces. The vesicant between surfaces and rock wools has a high strength. Complete anti-firing, increased warmth, and sound insulation are features of this device. It is frequently employed as the wall or roof of public buildings, industrial workshops, cold storage facilities, etc.





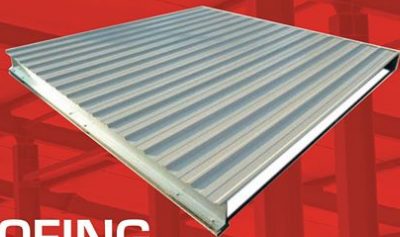
STANDING SEAM SHEETS

The most dependable roofing material is standing seam roofing. The lack of through holes, sturdy seams, and hidden fastening eliminate the possibility of leaks. Standing seam roofing is used for both new building construction and remodeling and rehabilitation because it complements the architectural style of urban areas.



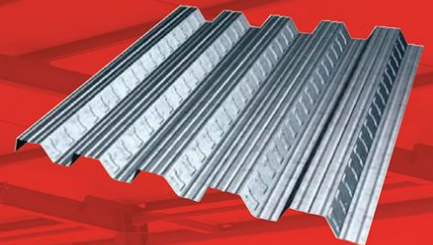
PURLINS

The wall and roof panels are supported by supplementary structural elements called IZON PEB purlins, girts, and eve struts. The roof is supported by purlins, the walls by girts, and the junction of the sidewalls and roof by struts.



DOUBLE SKIN ROOFING SHEET

The internal liner panel of a double skin insulated roof is fastened directly to the secondary framing. Sub-grits were screwed into the purlins below through the spacer block and liner sheet. Over the sub-grits, through the insulation, is placed metal building roll insulation with vapor barriers.



DECKING

Cross embossing within the profile enhances the shear bond performance of trapezoidal metal profile sheets, making them robust and dependable. The composite floor profile provides an easy-to-install, affordable alternative to concrete flooring by utilizing the best lightweight steel decking available.

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