



the shape of things to come

MODERN **InfraProjects**



www.moderninfra.co.in

Completed Project



Erection



Logistic



Manufacturing



Designing & Engineering



Complete Solution

Modern Infra Projects does far more than supply and erection of pre-engineered metal buildings. We offers complete solutions to the customer enabling them to focus on their organisation's strategic goals. we undertake a single source responsibility for the project through co-ordination of all the departments viz.

- ◆ Design & Engineering
- ◆ Manufacturing
- ◆ Project management
- ◆ Logistics
- ◆ Erection



INTRODUCTION

MODERN INFRA PROJECTS is specialized in design, manufacturing and Installation services of Pre Engineered Buildings and Structural steel projects. The foundation of the company has been laid by professionals having rich experiences in Business Development, project management, project execution and customer relationship.

The necessity to meet the growing demand of Pre Engineered Buildings in India and to provide complete end to end solution to clients for their Buildings requirements has been the main reason for emergence of MODERN INFRA PROJECTS. Our aim is not merely supply the buildings to customers but to put in use our expertise at each and every stage of project right from the initial stage i.e. concept and planning, Designing, Detailing, Manufacturing and Execution of projects to provide customer an Economical and a superfast solution for his requirement.



VISION

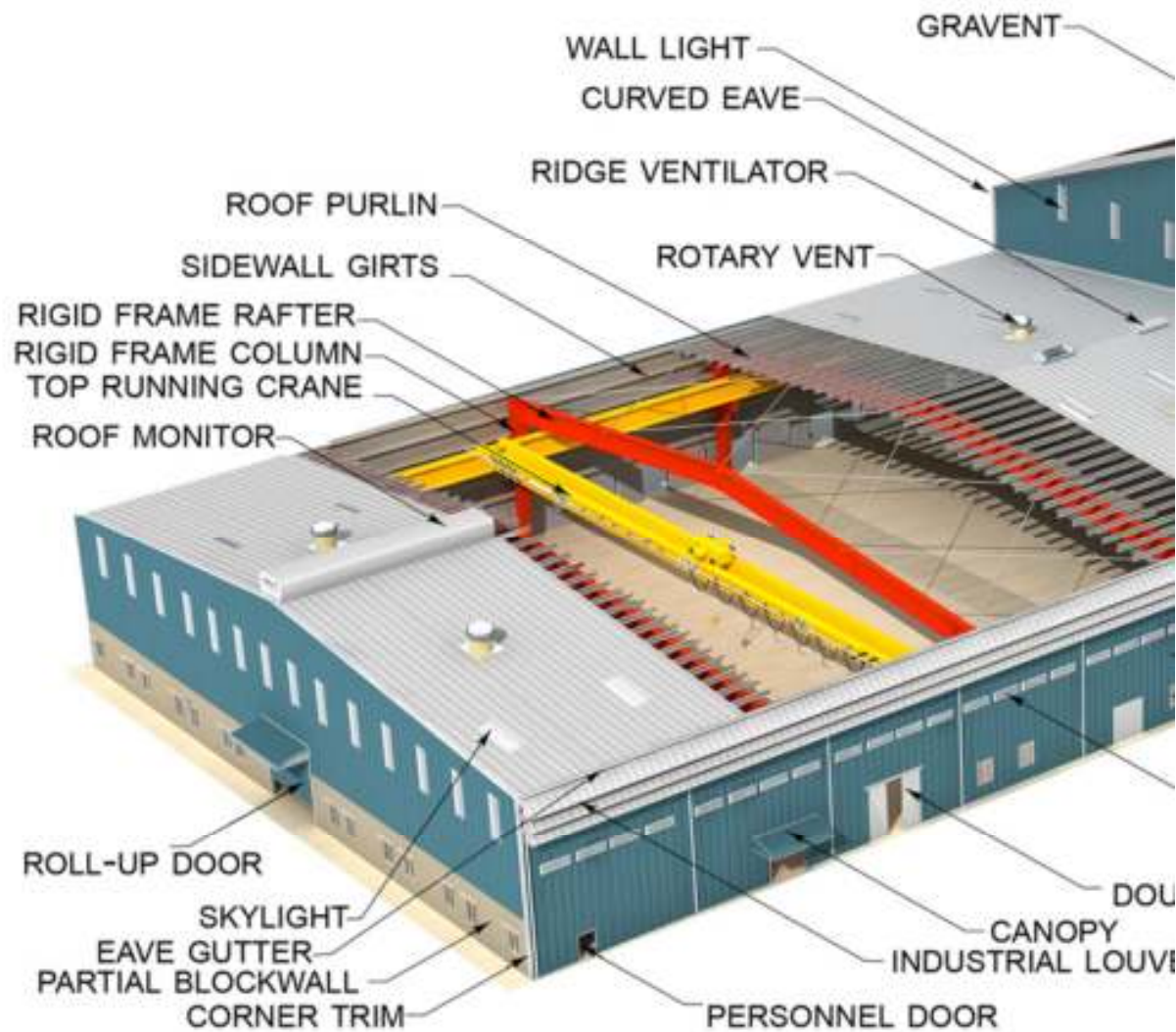
To be the most reliable solution provider in the field of Pre engineered Buildings and Structural Steel projects.

MISSION

Our mission is to provide complete End to end solution to clients for their steel building requirements and enrich them with the experience of our services with utmost satisfaction.

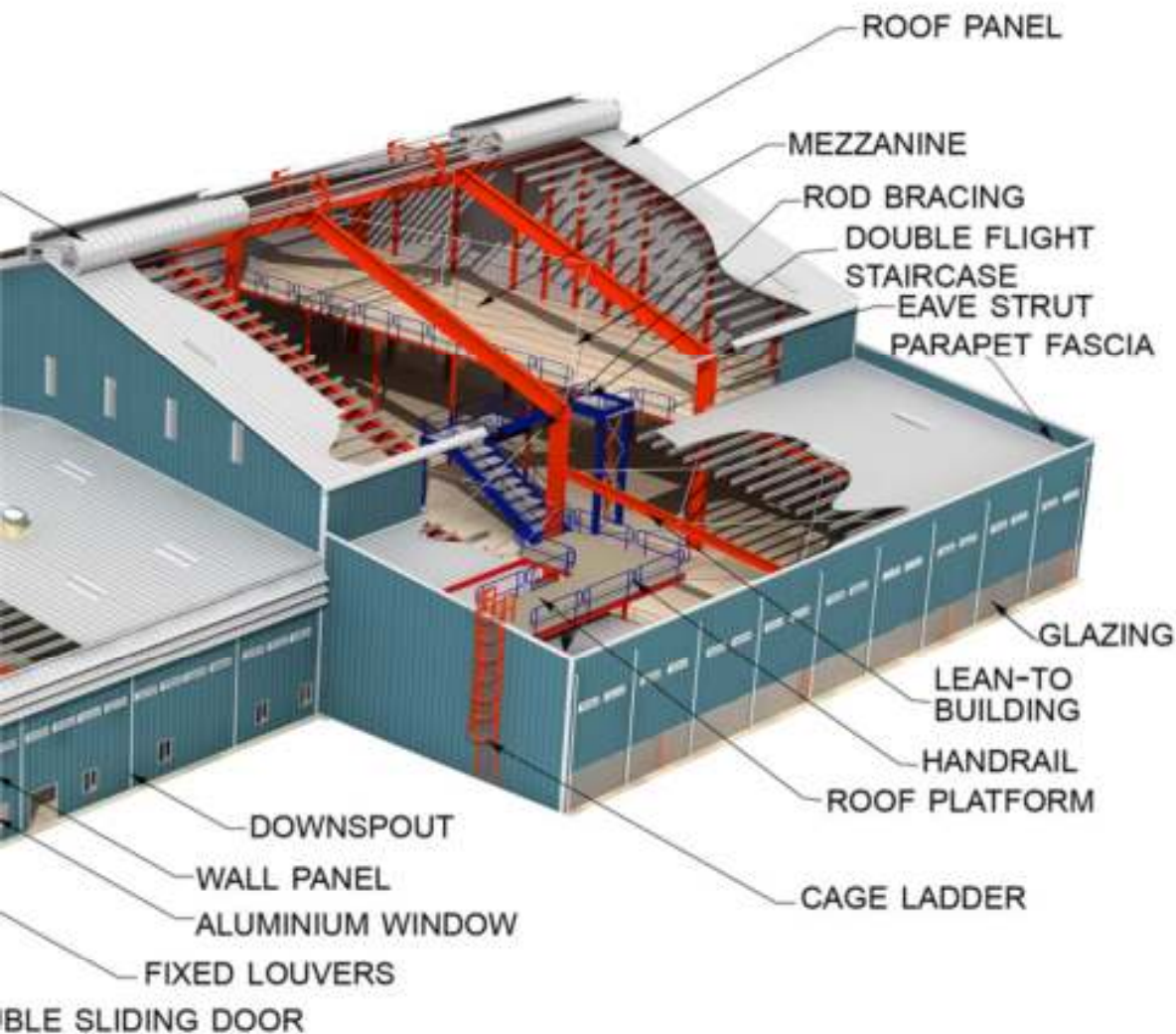


TYPICAL PRE ENGINEERED BUILDING



A TYPICAL PRE ENGINEERED BUILDING CONSISTS OF

- ◆ Primary Members (Built-up sections)
- ◆ Secondary Members
- ◆ Roofing and Wall Cladding
- ◆ Accessories



ERS

Pre Engineered Building is a combination of Built-up Primary members, Secondary members and Roofing and wall cladding either single skin or insulated panels. Built-up members and Secondary members form a well braced steel skeleton structure which is enveloped by Roofing and wall cladding. Thus we get an air tight, weather proof, energy efficient building to serve the need of customer.

Pre Engineered Buildings are designed with the help of International Standards. These are precisely manufactured as per customer's requirement and also can be fitted with different structural accessories including mezzanines, Canopies, Fascia, Partitions, crane beams etc. to enhance the building usage and its Aesthetics.

PRE ENGINEERED BUILDING COMPONENTS

PRIMARY FRAMING MEMBERS

Primary built-up members (H-Beams) are manufactured by gas cutting of HR steel plates in required sizes, standards confirming to ASTM A572 Grade 345 Mpa. These plates of various sizes are welded together on one side by continuous welding and other side by stitch welding at regular intervals to make an H-beam. These are custom-built sections, so virtually any size of section can be made as per design requirement. Splice plates are welded at the end of different H - beam sections. These H-beam sections are assembled together by bolting the splice plates to make a complete frame assembly.

The Primary members are available in high grade steel of minimum yield strength of 345 Mpa.

CLEAR SPAN



MULTI SPAN I



MULTI SPAN II



MULTI GABLE



SINGLE SLOPE



LEAN TO



ROOF RAFTER



Y- CANOPY



SECONDARY MEMBERS

Purlins, girts and eave struts are secondary structural members used to support the wall and roof panels. Purlins are used on the roof; girts are used on the walls and eave struts are used at the intersection of the sidewall and the roof.



Typical "Z" Section



Typical "C" Section

SECONDARY MEMBERS HAVE TWO OTHER FUNCTIONS

- ♦ Act as struts that help in resisting part of the longitudinal loads that are applied on the building such as wind and earthquake loads
- ♦ Provide lateral bracing to the compression flanges of the main frame members thereby increasing frame capacity.

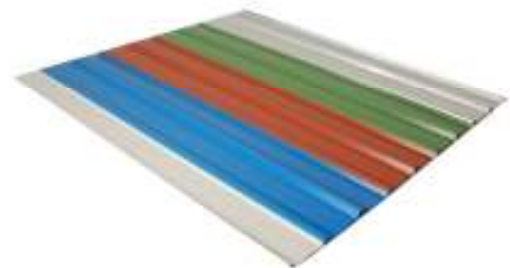
Purlins, girts and eave struts are available in high grade steel of minimum yield strength of 345 MPa in 1.5 mm to 2.5 mm thicknesses. These members come with a pre-galvanized finish or with a coat of Zn chromate primer for corrosion protection.

ROOFING AND WALL CLADDING

MODERN INFRA PROJECTS

offer Roofing and Wall Cladding Panels of 0.5 mm thick and 550 Mpa Galvalume material. Standard roof panels are made of Bare Galvalume material and Wall Cladding panels

are of colour coated Galvalume material. Panel paint film thickness is 25 microns on the exterior weather face and 5-7 microns of PU compatible epoxy primer on the interior face. The sheeting material is with hot dip Metallic coating of Galvalume 150 gm/m² total, AZ 150 as per ASTM A792 or AS 1392, and wall coated with 25 microns regular modified polyester paint system applied on Zinalume.



Modern Infra projects offers a choice of different -2 colours in wall cladding panels. These Roofing and wall cladding panels have excellent corrosion and weather resistance longer spanning capability, Thermal Efficiency, Long Durability & Safety.

MEZZANINE SYSTEM

MEZZANINE SYSTEM

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.

GI DECK PANEL



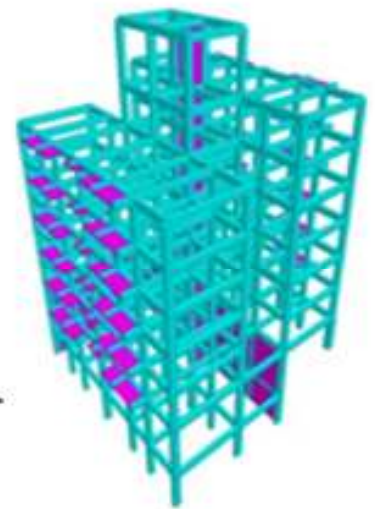
MULTISTORY STEEL BUILDING

The use of Pre Engineered steel Building technology in Multistory construction is very popular in western countries. The technological improvement in Multistory construction technology and due to the advantage of lesser time requirement in construction, usage of Pre Engineered Steel Building is becoming popular in Multistory construction in India now these days.

Modern Infra projects offers complete solution for designing, manufacturing and execution of these Steel Multistory Buildings as per International quality standards.

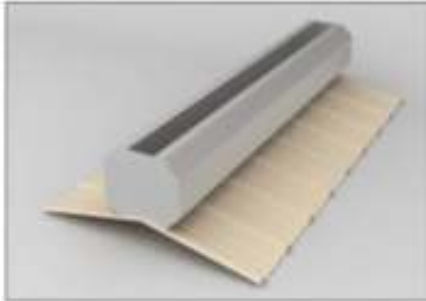
ADVANTAGES OF STEEL MULTI-STORY BUILDING

- ◆ Speedy and time-savy 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 and modification in Steel Buildings.
- ◆ Earthquake resistant design.



ACCESSORIES

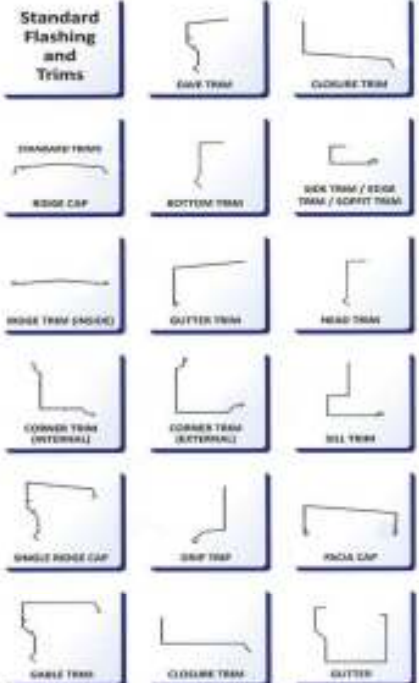
RIDGE VENT



TURBO VENTILATOR



TRIMS & FLASHINGS



SKY LIGHT



WALL LIGHT



S TYPE LOUVERS



WALL OPENING



FASTENERS



CANOPY



FASCIA



INSULATION



ADVANTAGE OF PRE ENGINEERED BUILDING

- ♦ Super fast construction in comparison to conventional construction methods.
- ♦ Cost effective and Economical building solution.
- ♦ Column less large clear spans can be easily achieved with effective costing.
- ♦ Pre engineered building offers great flexibility in terms of Future expansions and modifications.
- ♦ Due to manufacturing under factory controlled environment, highest Quality standards are maintained.
- ♦ Long durability and Low maintenance cost.
- ♦ Pre Engineering Building construction is green building construction due to recyclable properties of steel.
- ♦ Hassle free construction for client due to single source responsibility of Pre Engineered Building supplier.



PEB APPLICATIONS

- ◆ Industrial Buildings
- ◆ Warehouses & logistic centers
- ◆ Aircraft Hangers and Metro Stations
- ◆ Automobile Showrooms, Workshops and Service Centers
- ◆ Multi-Story Buildings, Hospitals and Schools
- ◆ Supermarkets
- ◆ Multi-Level Car Parking
- ◆ Pipe Rack Structures
- ◆ Other Structural requirements at PowerPlants, Refineries etc.



TURNKEY SOLUTIONS

To enable customers have their building solution under one roof, MODERN INFRA PROJECTS provide cost effective and turnkey solutions to our clients including civil and Structural PEB work. With our expertise and vast experience in the construction industry would like to render unique services, which would facilitate our clients to execute the project in a professional manner.

We undertake execution of Civil Structural Construction Works right from foundation stage to the completion stage, which includes all kinds of concrete and brick constructions such as concrete foundations, concrete columns, brick masonry, and flooring as required to complete a building in totality.

SCOPE OF WORK:

- ◆ Foundations
- ◆ Substructures
- ◆ Super Structures
- ◆ Masonry Works & Plaster
- ◆ Flooring Work









📍 Plant Address:
Plot No. 2, Near Shiv Saharan Dharam Kahta, Chirota Road,
RICCO Industrial Area Bagru, Ajmer Road, Jaipur (Rajasthan)-303007

📍 Office Addresses
Plot No. 2, Naya Bass, Alwar (Rajasthan)-301001

📞 9887099011, 9529165782
✉️ enquiry@moderninfra.co.in
🌐 www.moderninfra.co.in

