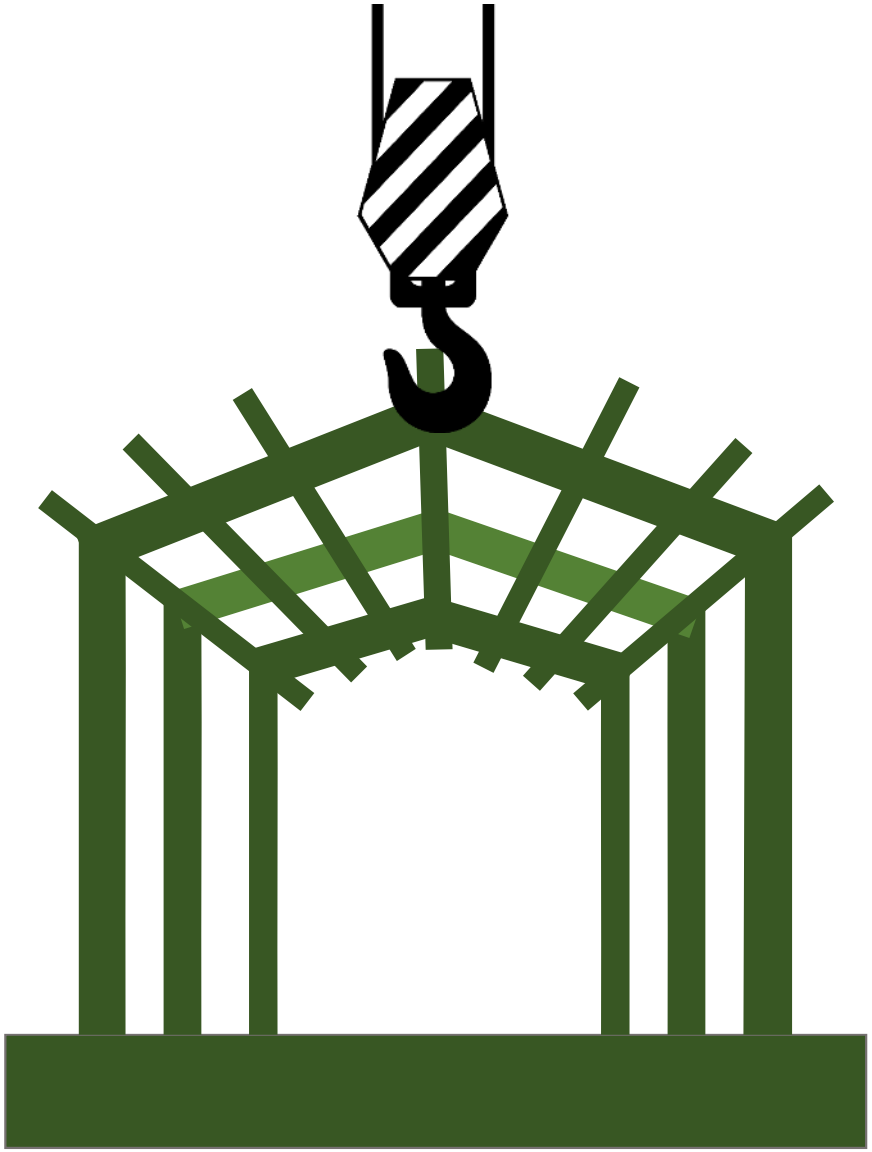


Acetechpeb

Adding value to your building

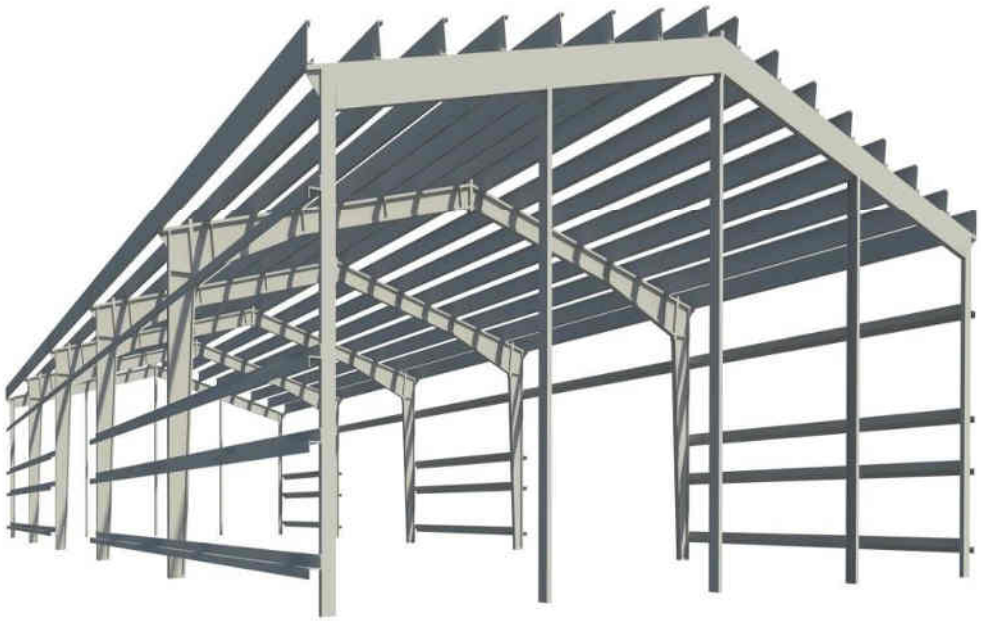
ACETECH PEB SYSTEMS PVT LTD

About US

Acetech PEB is specialized in manufacturing of Pre-Engineered Structural Building System and Metal Roofing Products.

We manufacture complete range of Metal Building Products, including Pre-Engineering Building (PEB), Metal Roofing & Cladding Sheets, C & Z Sections / Purlin, Composite Metal Decking Slabs, Louvers and other allied products like; Ridge Vent, Sky Lights, Turbo Vent, etc.

We have facility to Design, Manufacture & installation of PEBs and other Structural Products on a turnkey basis with in-house Structural Engineers and designers, using latest codes and standards – MBMA, ASTM, AISI, BIS, with optimized designs.



Why Us?

We offer cost effective superior quality Steel Buildings as per the requirement of leading Architects, Structural Engineers and Builders .

The Products manufactured by **ACETECH PEB** are of highest Quality Standards and are committed to provide unmatched services to its customers, by giving quality, timely delivery, safety and excellent sales support.

Our Vision

- To be the leading service providers of Pre-Engineered Buildings and Steel Structural Products
- Eco friendly Green Building solutions
- To provide cost effective, elegant steel building and quality services that exceeds the expectations of our esteemed customers.
- Innovative ideas in application of steel products, beyond Industrial and commercial sectors
- To build long term relationships with our customers and to provide exceptional customer services by pursuing business through innovation and advanced technology

Our Values and Goal

We believe in treating our customers with respect and faith. We grow through creativity, invention and innovation. We integrate honesty, integrity and business ethics into all aspects of our business functioning.

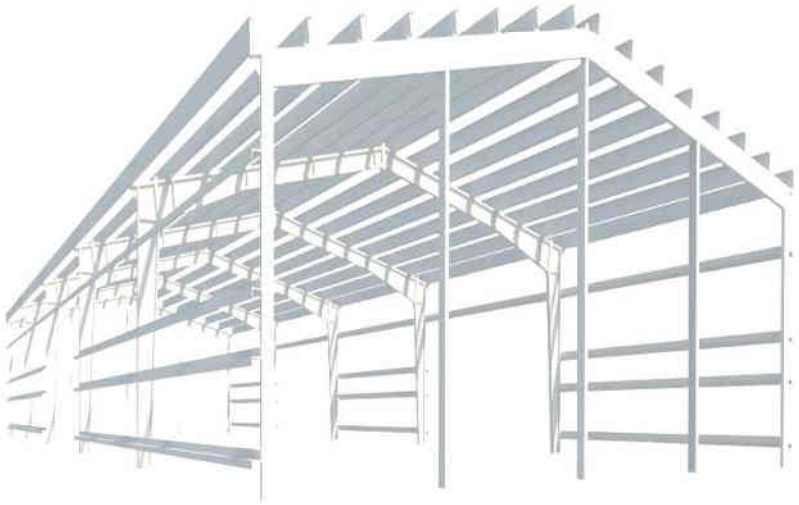
Regional expansion in the field of Pre-Engineered Building System and develop a strong base of key customers. Increase the assets and investments of the company to support the development of services. To build good reputation in the field of Industrial Buildings and become a key player in the industry.

Qualified and Experienced Team

Product Range and Services

- Pre-Engineered Building system (PEB)
- Metal Roofing Products

  (Colour Coated Galvalume and Galvanized Sheets)
- Cold Roll Formed Purlins (Z & C Sections)
- Metal Decking Sheets
- Self Supported Arch Roofing system
- Puf Insulated Sandwich Panels
- Polycarbonate Sheet – Solid and Multiwall
- Turbine Roof Ventilator
- Glass Wool, Rock Wool, Polynum – Insulations
- SDS (Self Drilling Screws) / Fasteners



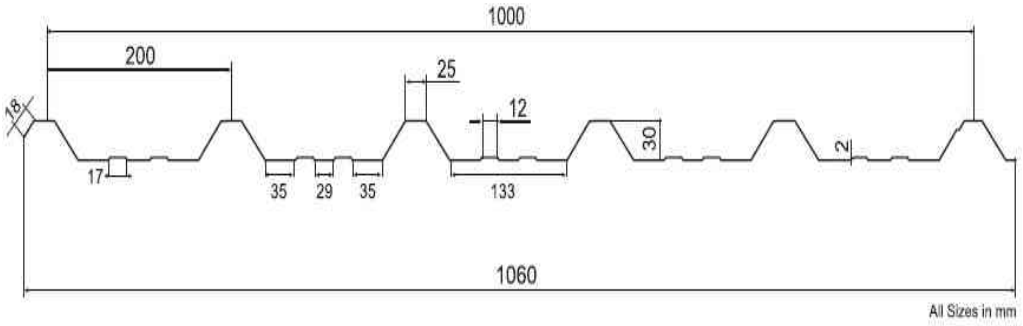
Trapezoidal Profile

Trapezoidal profiles are large metal structural members, having high load bearing capability being primarily used for Roofing and Cladding applications of Industrial and commercial Buildings.

ACETECHPEB Trap Profiles are aesthetically designed, with wide range of colours / textures.

The profiles are made out of Non-colour Galvalume, Pre-painted Galvalume and Pre-painted Galvanized coated coils, generally called as NCGL, PPGI and PPGL with thicknesses ranging from 0.30 mm to 0.80 mm depending on various applications.

Due to its high tensile strength, excellent corrosive resistance and less radiation of heat inside the building, it is the most preferred product of architects and designers for roofing and wall cladding applications.



All Sizes in mm

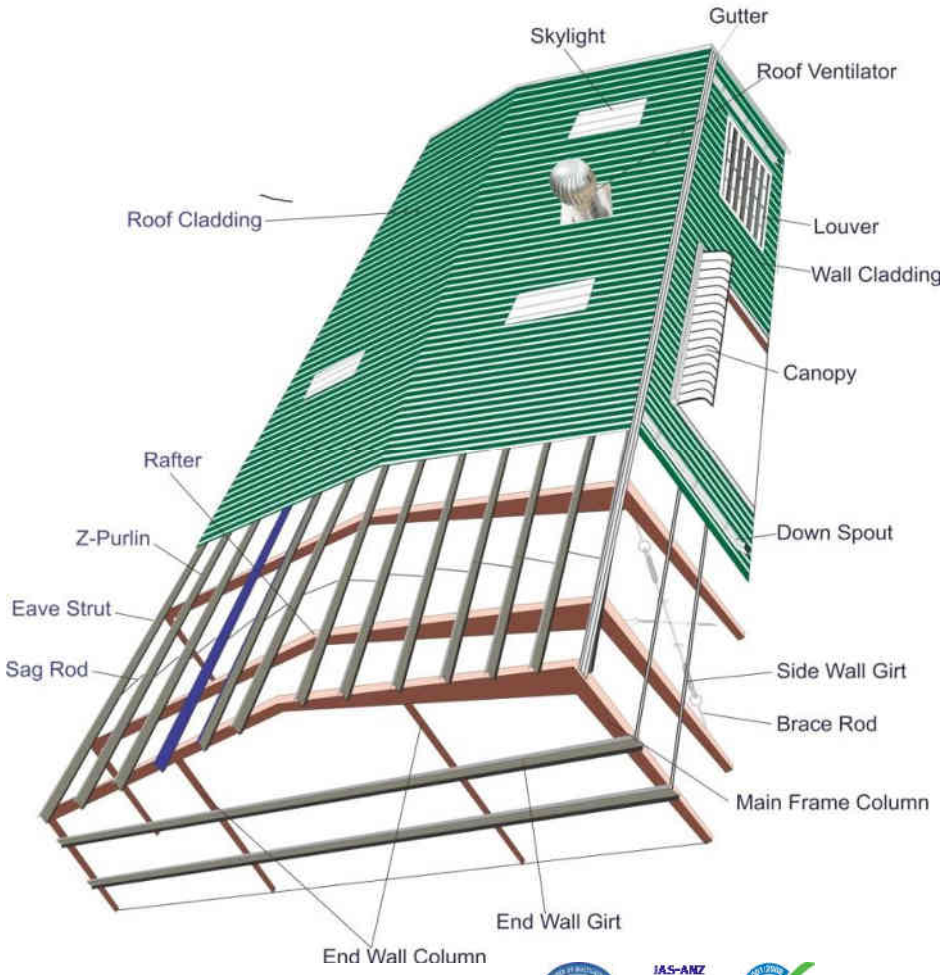
Pre-engineered Building System (PEB)

Pre-Engineered Building(PEB)is a metal building that consists of light gauge Steel Structures as Primary Members, often referred as I or H Beams, which are usually formed by welding together steel plates to form the sections

The Frames are tapered (Web depth) according to local loading effects and larger plate dimensions are used in areas of higher load effects

In order to accurately design a Pre-Engineered Building as per the customer requirement, we at **ACETECHPEB** always consider the clear span between bearing points, bay spacing, roof slope, live loads, dead loads, collateral loads, wind uplift, deflection criteria, internal crane system and maximum practical size and weight of fabricated members

PEBs are relatively flexible structure compared to conventional steel framed building and have greater vertical and horizontal deflection. An efficiently designed pre-engineered building can be lighter than the conventional steel buildings by up to 30%. Thus, lighter weight equates to less steel and a potential price savings in structural framework

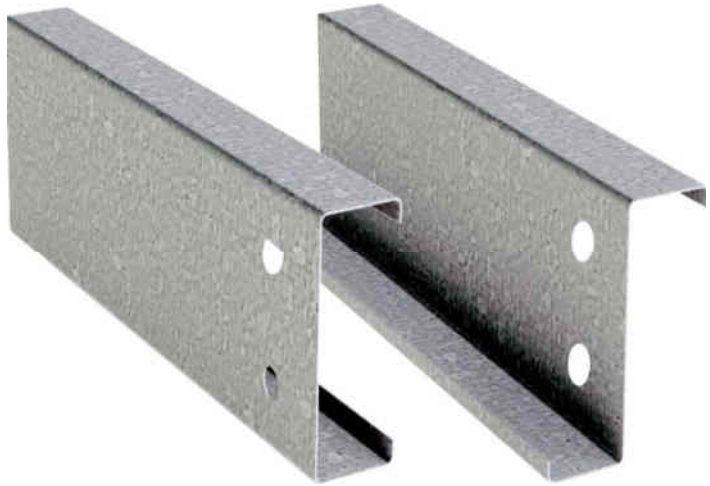


Cold Roll Formed Purlins (Z & C Sections)

A purlin is a secondary structural member that connects the primary steel frames of rafters and columns and also to support Roofing and wall cladding Sheets. The purlin transfers load from the roof and wall cladding to the primary steel rafters and columns. Purlins are used to provide restraint to the primary steel frame members.

Purlin and girts are Cold formed steel members having an yield strength of 300 MPa or more and can be efficient on weight basis and also cost effective compared to mill rolled heavier steel angles and channel sections.

The principal advantage of cold roll-forming, compared with other methods of fabrication, is the high production capacity achieved and is essentially uniform in cross section and can be manufactured to very close dimensional tolerances.



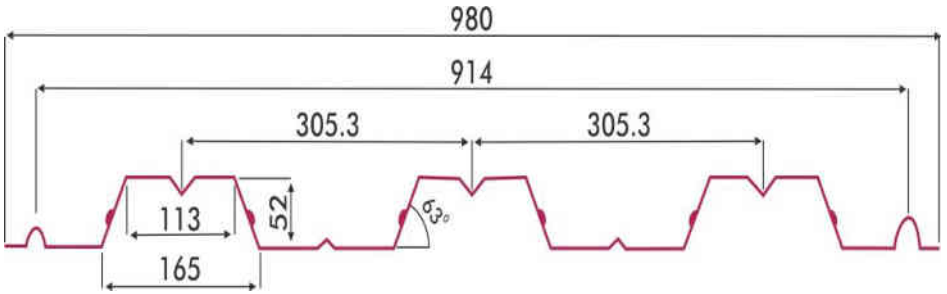
Purlin, commonly termed as Z and C Sections, are defined by a central vertical web joined to horizontal flanges at either end. Additional lips are included to support the flanges. It is available in HR and GI grades and also in different thicknesses and depth depending on design of the building.
Purlin can be supplied in customized length with pre-punched holes as per architectural designs.

Composite Metal Decking Slabs

A composite slab with profiled steel decking has proved over the years to be one of the simpler, faster, lighter, and economical constructions in steel-framed building systems. The system is well accepted by the construction industry due to many advantages over other types of floor systems.

Thin-walled cold-formed profiled steel decks used to build the slab specimens are made of structural quality steel sheets conforming to ASTM and IS 1079.

A galvanized surface coating with an average thickness of 60 gsm is coated on each face of the steel deck. The thickness of the Steel sheet ranging from 0.80 mm to 2.00 mm, depending on load parameters of the building.



Installed Capacity

PRODUCT	INSTALLED (IN MT)	UTILISED (IN MT)
PRE-ENGINEERED BUILDING (PEB)	4800	3000
TRAPEZOIDAL PROFILE SHEET	7200	4800
PURLIN – C & Z SECTIONS	3600	1800
METAL DECKING SLABS	3600	2100
TOTAL IN MT	19200	11700

Our Manufacturing Units

Unit 1 :
Site No. 6, 7 & 8,
Survey No. 129, Machohalli Village,
Opposite Pooja Hospital,
Magadi Main Road,
Bengaluru, Karnataka - 562 130

Unit 2 :
#94-B, 1st Phase,
Nagenahalli Village, Kora Hobli,
Vasanthanarasapura Industrial Area,
Tumakuru, Karnataka – 572128

Machineries We Use

Plasma Cutting Machine

3 IN 1 H Beam Welding Machine

Trapezoidal Profile Machine

C & Z Purlin Machine

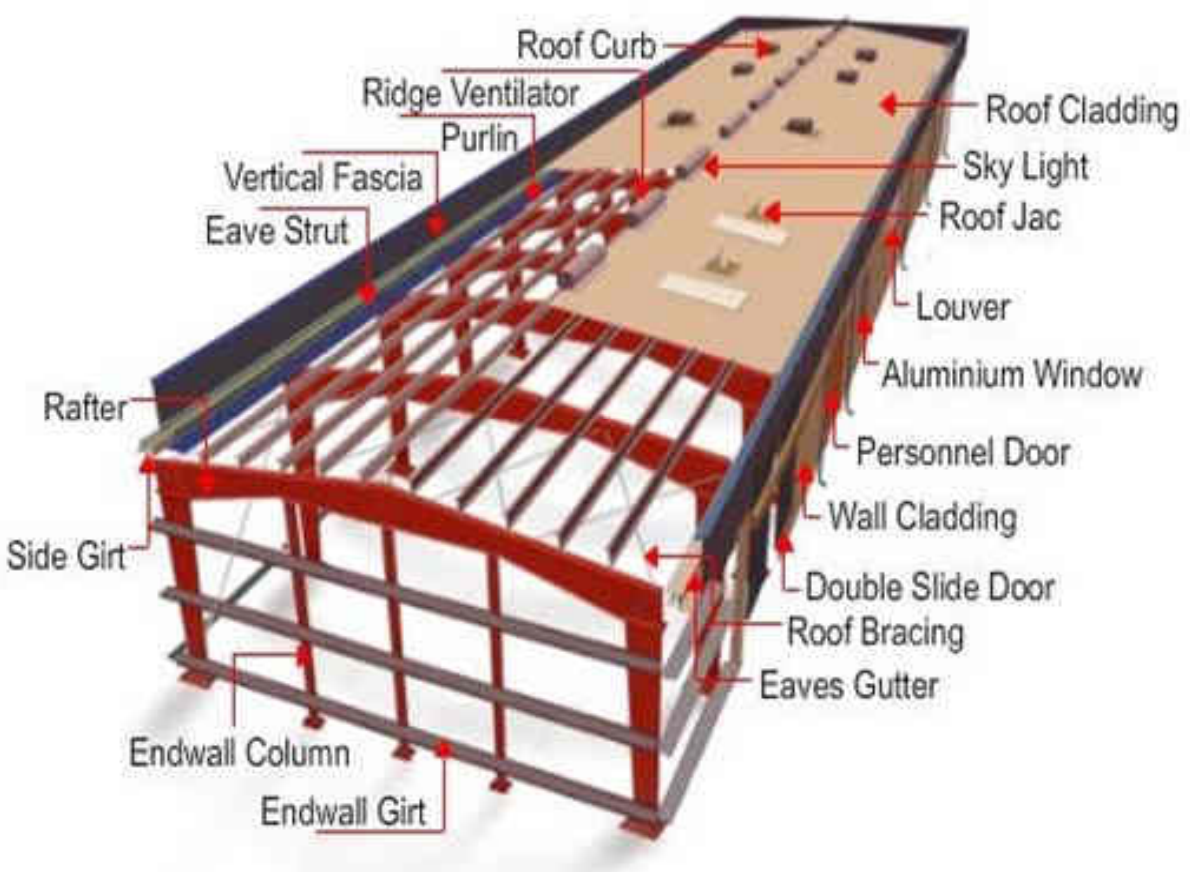
Threading Machine

Crimping Machine

PRE-ENGINEERED BUILDING SYSTEMS

The following are the major components in a pre-engineered building such as :

- Main framing or vertical columns
- End wall framing
- Purlins, girts and eave struts
- Sheeting and insulation or prefab panels
- Crane system
- Mezzanine system
- Bracing system



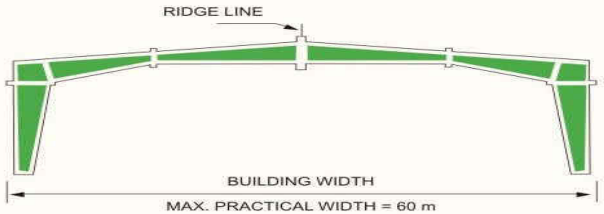
Primary Members

- Columns
- Rafters and
- Beams

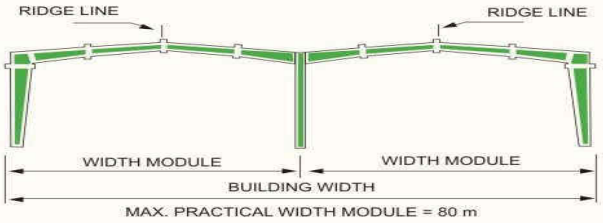
Secondary Members

- Roof Purlins
- Eave Girts and
- Cladding Purlins.
- Accessories

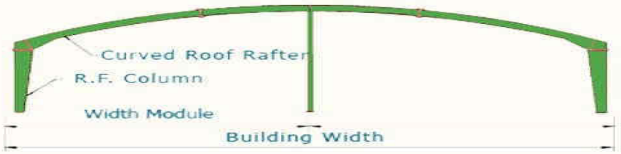
TYPES OF FRAMES



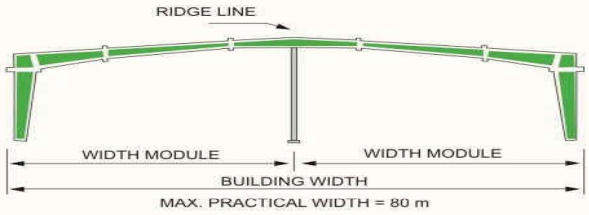
Tapered Column Clear Span (TCCS)



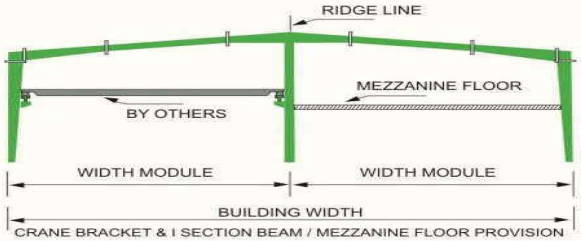
Multi Gable (MG)



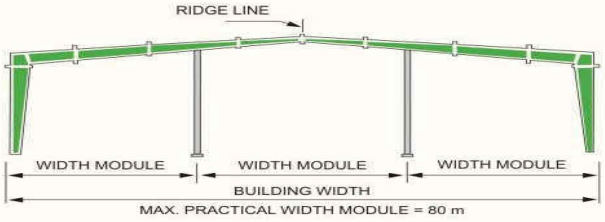
Arched Multi Span



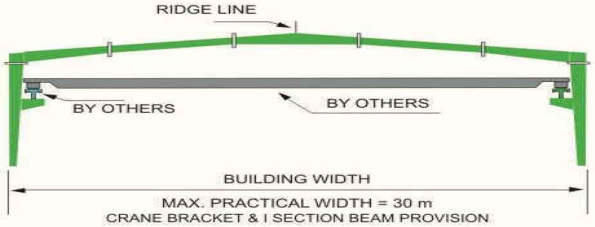
Multi Span "1" (MS-1)



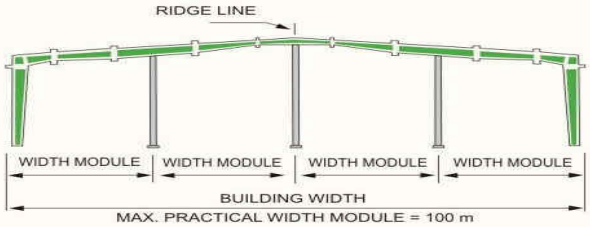
Mono Slope



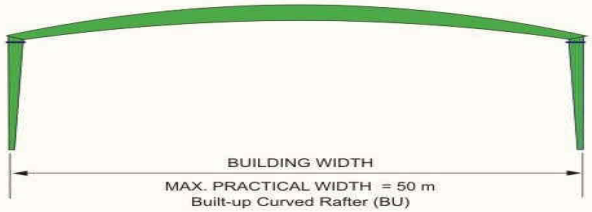
Multi Span "2" (MS-2)

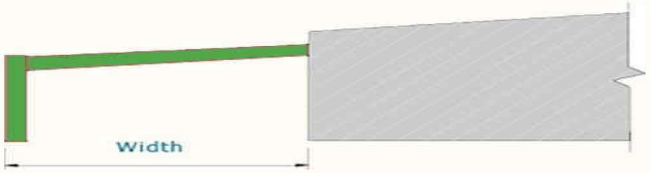


Roof System



Multi Span "3" (MS-3)





Lean-To

LOADS CONSIDERED

- Dead loads

The dead loads of the truss include the dead load of roofing materials, purlins, trusses and bracing systems.

Dead loads based on IS 875 part-1

- Live loads

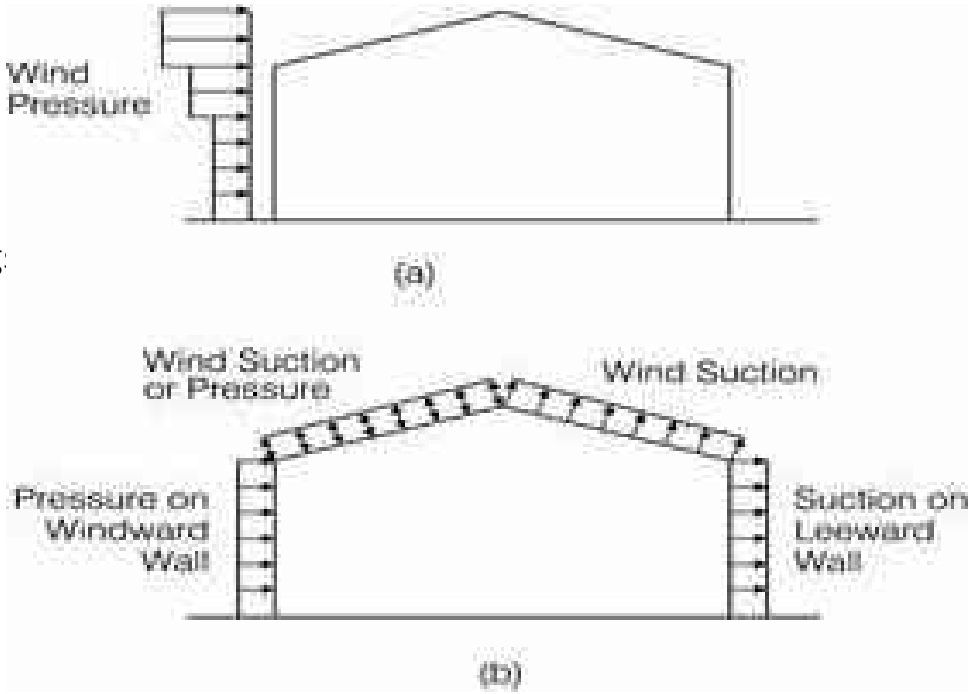
Live loads will be considered less for pre engineered buildings when comparing dead loads. It varies based on the slopes.

Live loads based on IS 875 part-2

- **Wind loads**

The most critical load on an industrial building is the wind load. Loads are taken based on the wind zone.

Loads based on IS 875 part-3



Execution of PEB

FOUNDATION BOLT FIXING

COLUMN ERECTION

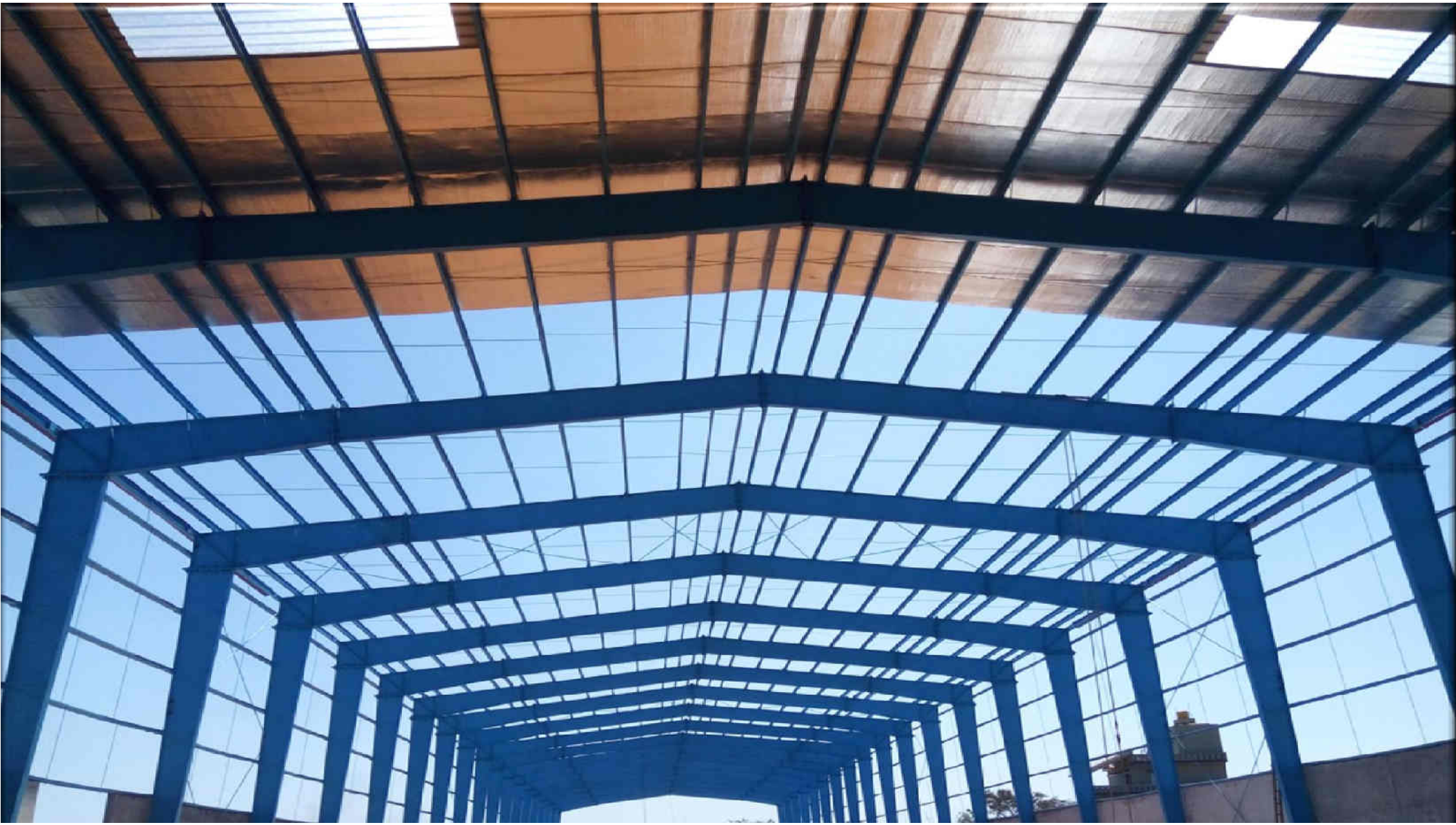
RAFTER ERECTION

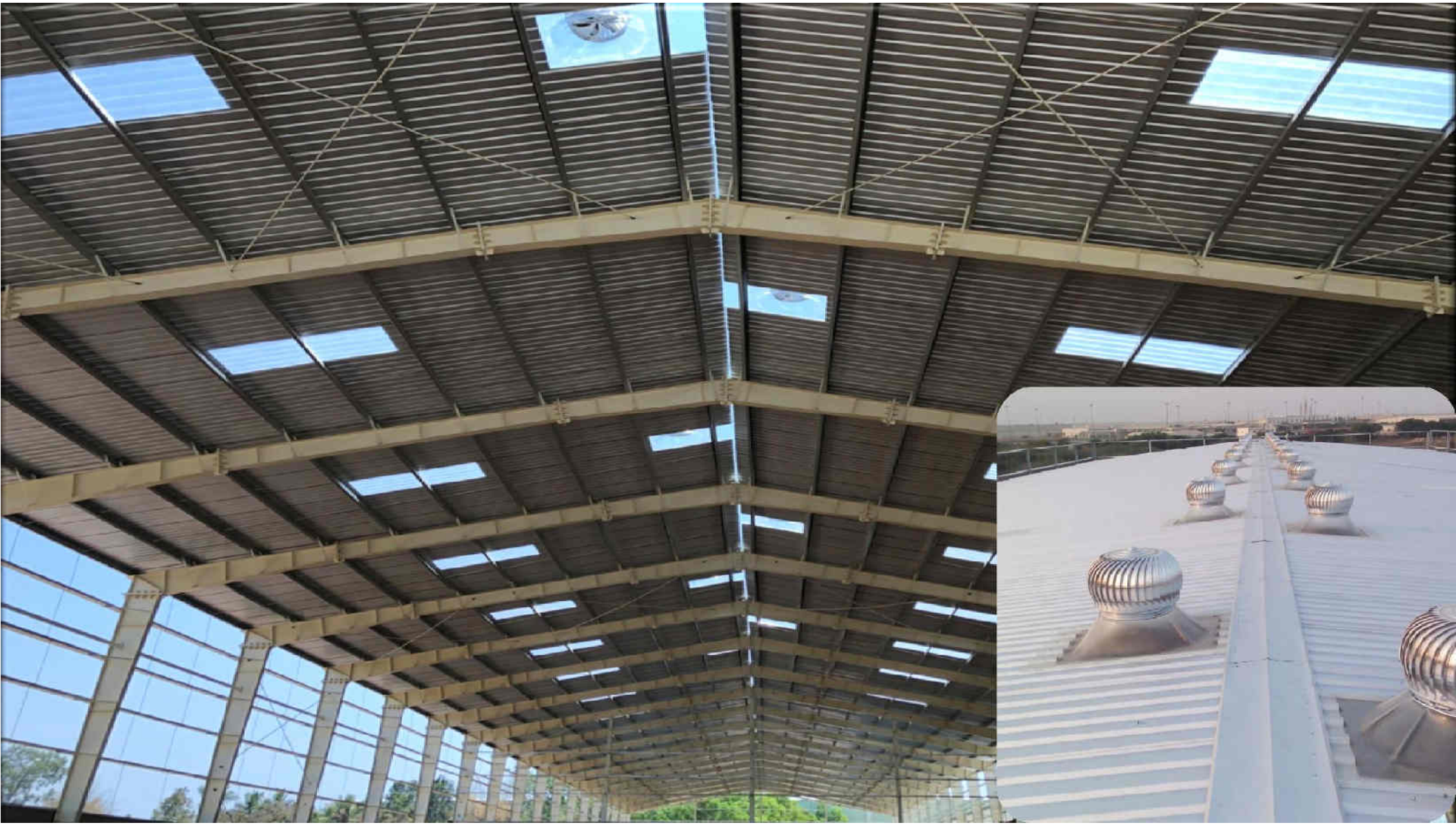
STRUCTURE AFTER ERECTION

ROOFING

WALL CLADDINGS

OUR PROJECTS





Our Clients

Served to the best in the industry

Quality Certification

Certificate of Registration

Certificate No: 151027XXXX03

This is to Certify that the Management System of the

ACETECH PEB SYSTEMS PRIVATE LIMITED

No. 6,7 & 8, Sy. No.129, Machohalli Village, Magadi Main Road, Bangalore-560091, Karnataka, India

Has been assessed and found to be in accordance with the requirements of standard detailed below

ISO 9001:2008

This Certificate is valid for the following scope

"Manufacturing of Roofing Sheets, Purlins, Decking Sheets, Steel Structure and Roofing related Accessories"

Initial Registration Date	27th Oct. 2015	Issue Date	27th Oct. 2015
1st Surveillance on or before	27th Sep. 2016	Valid Until	15th Sep. 2018
2nd Surveillance on or before	27th Sep. 2017		

To check validity of the certificate please visit www.tsoindia.org or call at given numbers

JAS-ANZ

IAF

Managing Director
TNV Certification Pvt Ltd.
Accredited by Joint Accreditation System of Australia and New Zealand

HO: 837-B/187-B, Amber Vihar, Near Central Bank of India, Kashav Nagar, Sitapur Road, Lucknow- 226020 (UP) India

Ph.: +91-522-2756327-328, Fax. +91-522-2759881, email:- info@tsoindia.org, www.tsoindia.org

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