



STEEL PRE BUILTZ INDIA LLP

Together we can

# LEADING CONSTRUCTION & RENOVATION COMPANY STEEL PRE BUILTZ INDIA LLP

112 M M Road Frazer Town, Bangalore, 560005



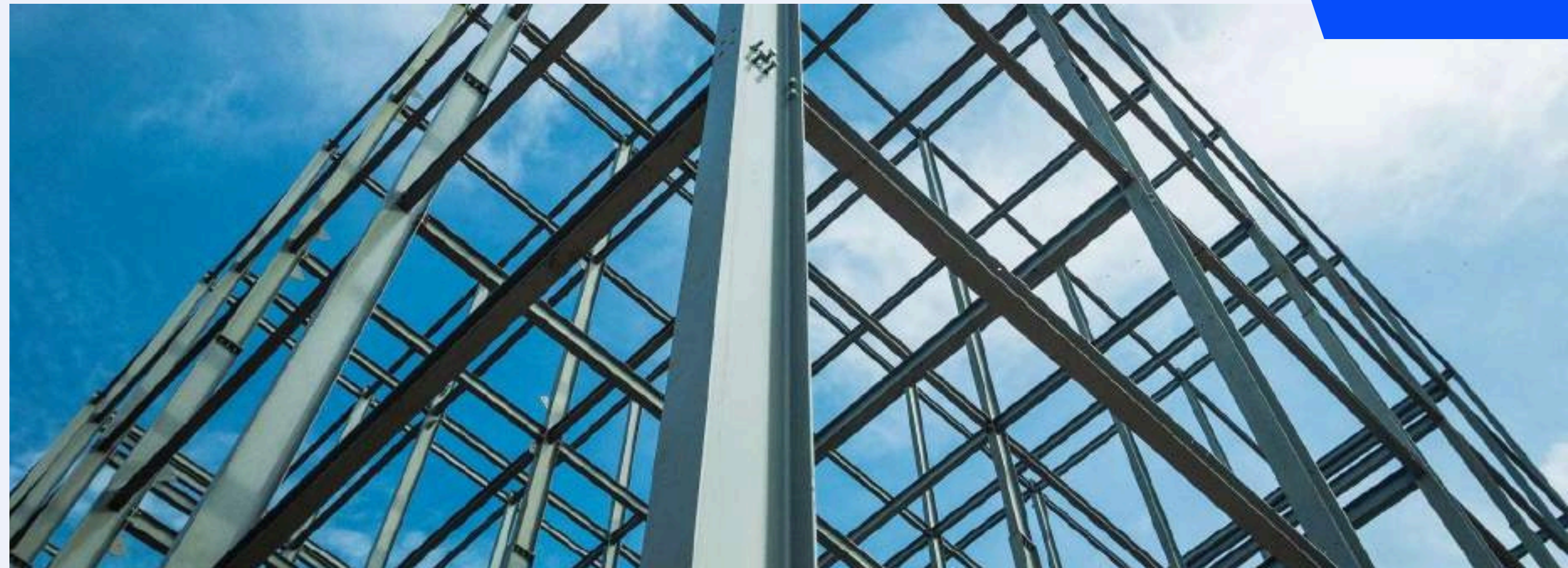


# ABOUT OUR COMPANY

PreBultz specializes in the production of Pre-Engineered Structural Building Systems and Metal Roofing Products. Our comprehensive product range includes Pre-Engineering Buildings (PEB), Metal Roofing & Cladding Sheets, C & Z Sections/Purlin, Composite Metal Decking Slabs, Louvers, and other related products such as Ridge Vent, Sky Lights, Turbo Vent, etc.

With in-house Structural Engineers and designers, we offer turnkey solutions for the design, manufacture, and installation of PEBs and Structural Products, adhering to the latest codes and standards such as MBMA, ASTM, AISI, BIS, and employing optimized designs.

**STEEL PRE BUILTZ**  
**INDIA LLP**



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# WHY CHOOSE PREBUILTZ GLOBAL

PreBuiltz provides cost-effective, high-quality Steel Buildings tailored to the specifications of leading Architects, Structural Engineers, and Builders. Our products adhere to the highest quality standards, ensuring unmatched services with a focus on quality, timely delivery, safety, and outstanding sales support.



## EXPERIENCED TEAM

PreBuiltz PEB company boasts an experienced team dedicated to excellence.



## TRUSTED COMPANY

PreBuiltz stands as a trusted company with a proven track record.



## GUARANTEE OF QUALITY WORK

Assured quality of work is guaranteed by PreBuiltz.

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# OUR SERVICES

PreBuiltz offers a range of comprehensive services.

## COMMERCIAL PROJECTS

PreBuiltz specializes in commercial project solutions.



## INDUSTRIAL PROJECTS

PreBuiltz excels in delivering solutions for industrial projects.



Recycling:  
Emphasizing  
recycling



Employment:  
Fostering job  
opportunities

Cost Effectiveness:  
Providing  
economically



Time  
Effectiveness:  
Delivering solutions

Eco-System:  
Supporting and  
preserving



Sustainability:  
Prioritizing  
environmentally

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**OUR VISION**

# Full Spectrum Products and Services

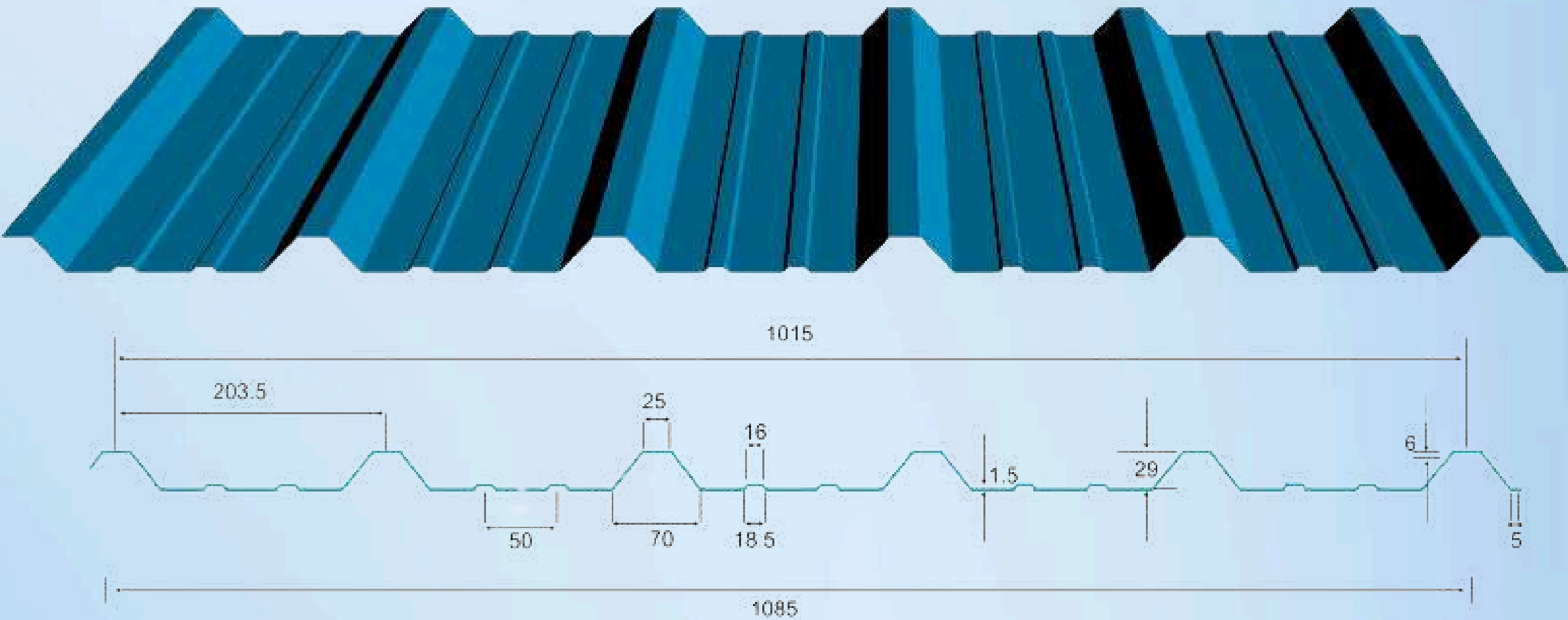
- PEB (Pre-Engineered Building System)
- Metal Roofing Products (Galvalume and Galvanized Sheets in various colors)
- Cold Roll Formed Purlins (Z & C Sections)
- Metal Decking Sheets
- Self-Supported Arch Roofing System
- Puf Insulated Sandwich Panels
- Solid and Multiwall Polycarbonate Sheets
- Turbine Roof Ventilator
- Glass Wool, Rock Wool, Polynum Insulations
- SDS (Self Drilling Screws) / Fasteners

PreBultz offers a diverse range, including Pre-Engineered Building Systems, Metal Roofing Products, Cold Roll Formed Purlins (Z & C Sections), Metal Decking Sheets, Self-Supported Arch Roofing, Puf Insulated Sandwich Panels, Polycarbonate Sheets, Turbine Roof Ventilators, and various insulations. Our comprehensive solutions also extend to SDS (Self Drilling Screws) and Fasteners, meeting diverse construction requirements.



# Trapezoidal Metal Profile

PreBultz Trap Profiles are robust metal components with high load-bearing capacity, ideal for roofing and cladding in industrial and commercial buildings. Meticulously designed, these profiles come in a variety of colors and textures, crafted from NCGL, PPGI, and PPGL coated coils, with thicknesses ranging from 0.30 mm to 0.80 mm. Known for their strength, corrosive resistance, and heat insulation, these profiles are architects' and designers' preferred choice for roofing and wall cladding applications.

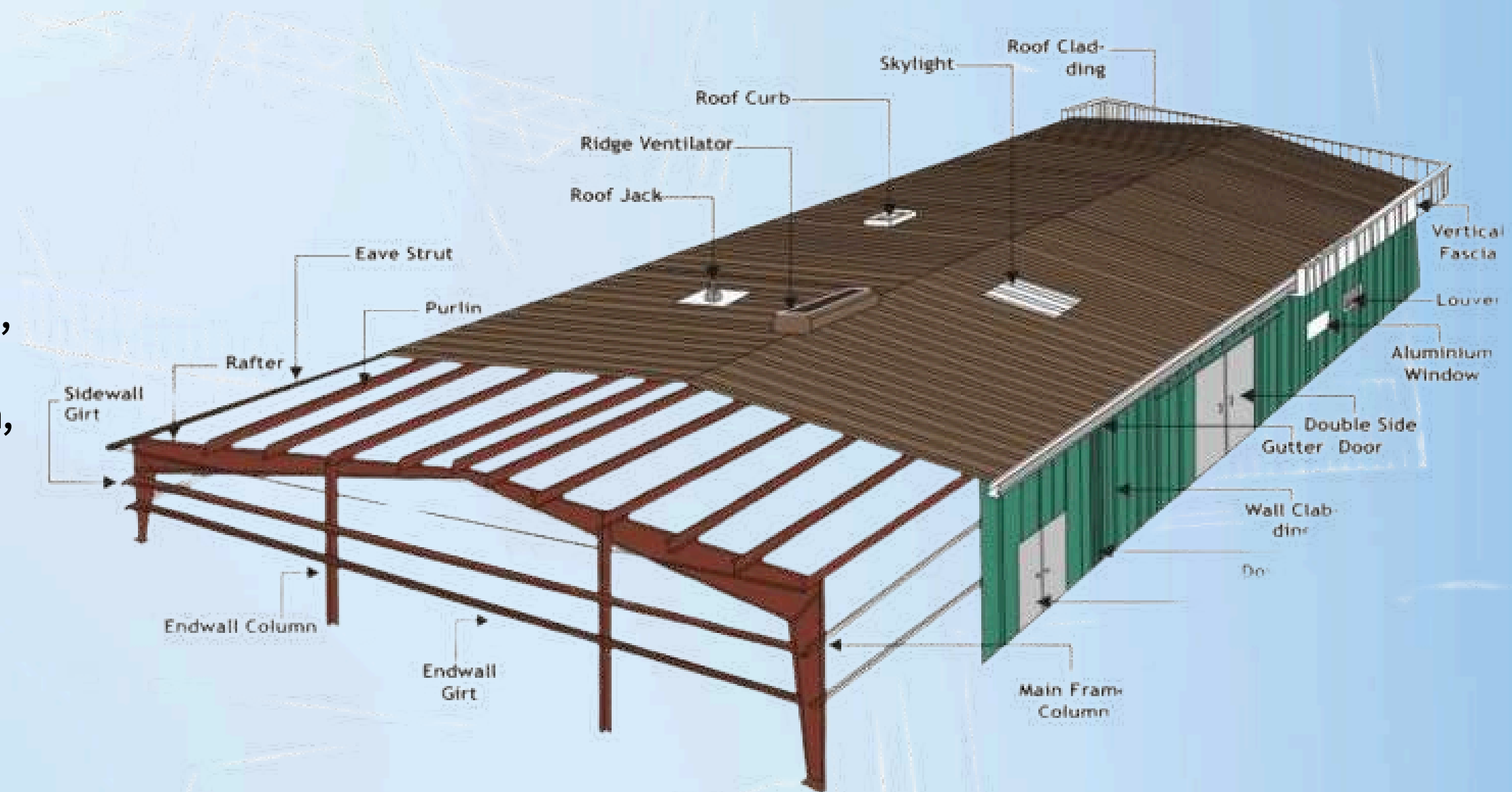


# Pre-engineered Building System (PEB) Profile

PreBultz specializes in crafting Pre-Engineered Buildings (PEBs), metal structures featuring light gauge steel as primary members, often in the form of welded I or H beams created by joining steel plates. These frames are strategically tapered in web depth to accommodate local loading effects, employing larger plate dimensions in high-load areas.

When designing a Pre-Engineered Building to meet customer specifications, we at PreBultz meticulously consider factors such as clear span between bearing points, bay spacing, roof slope, live loads, dead loads, collateral loads, wind uplift, deflection criteria, internal crane system, and the maximum practical size and weight of fabricated members.

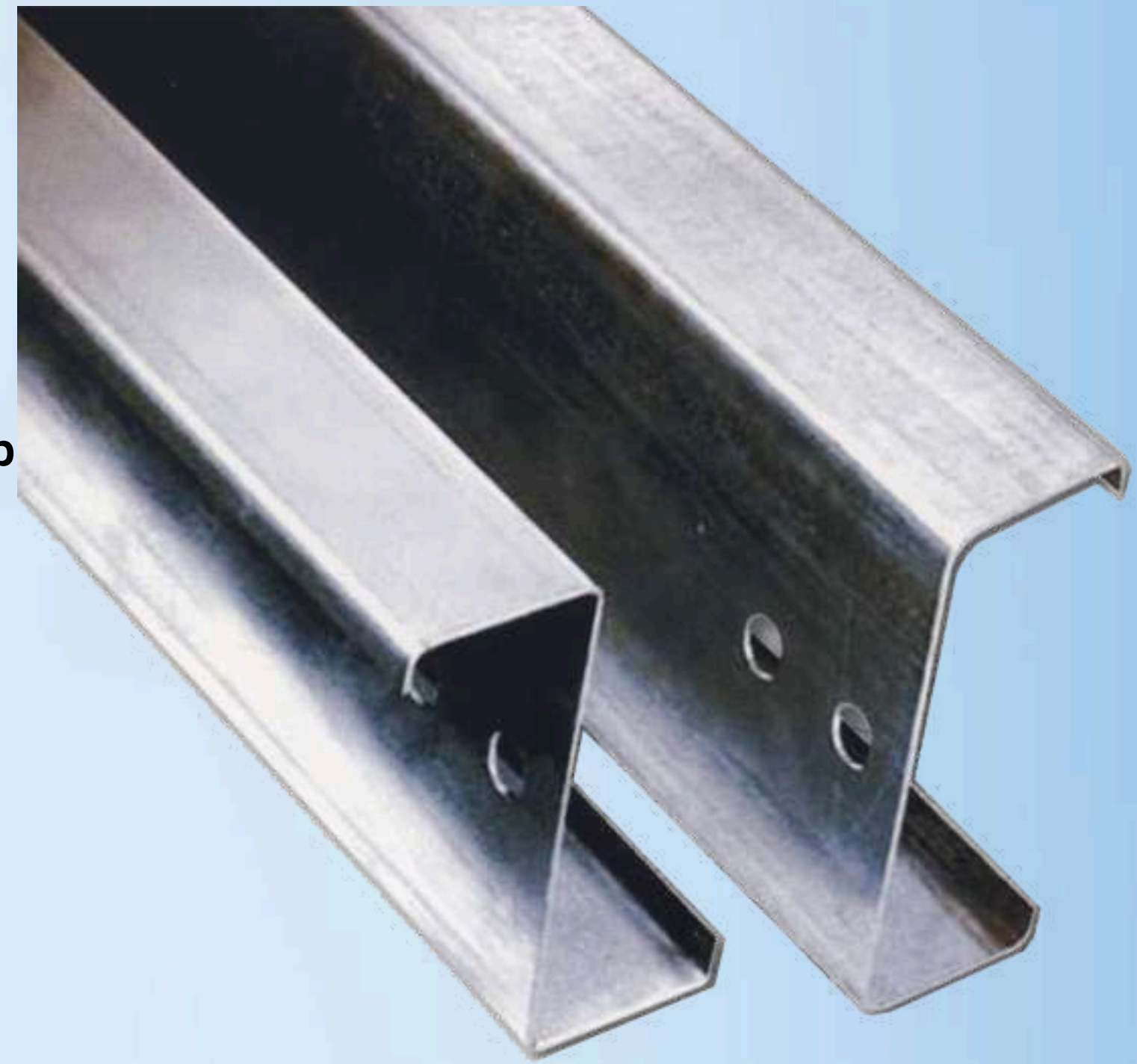
Compared to conventional steel-framed buildings, PEBs exhibit greater flexibility with increased vertical and horizontal deflection. An optimally designed pre-engineered building can be up to 30% lighter than traditional steel buildings, translating to reduced steel usage and potential cost savings in the structural framework.



# Cold Roll Formed Purlins (Z & C Sections)

PreBultz employs purlins, secondary structural members connecting primary steel frames for rafters and columns, providing crucial support for roofing and wall cladding sheets. These cold-formed steel members, with a yield strength of 300 MPa or more, offer efficiency in weight and cost compared to heavier mill-rolled steel angles and channel sections.

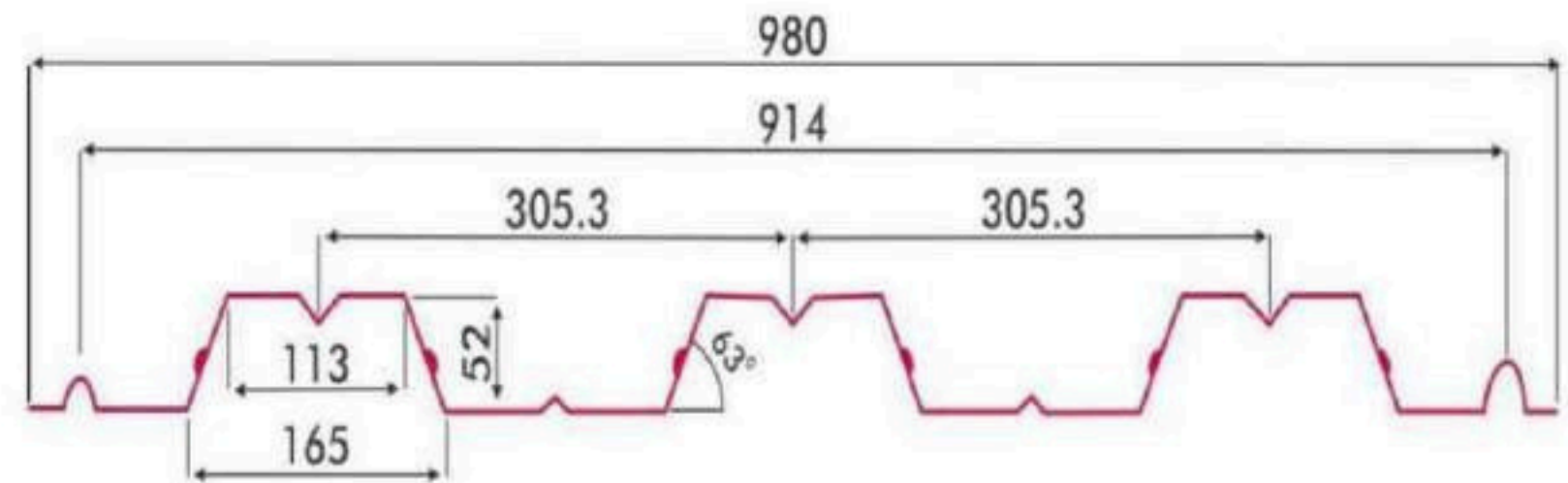
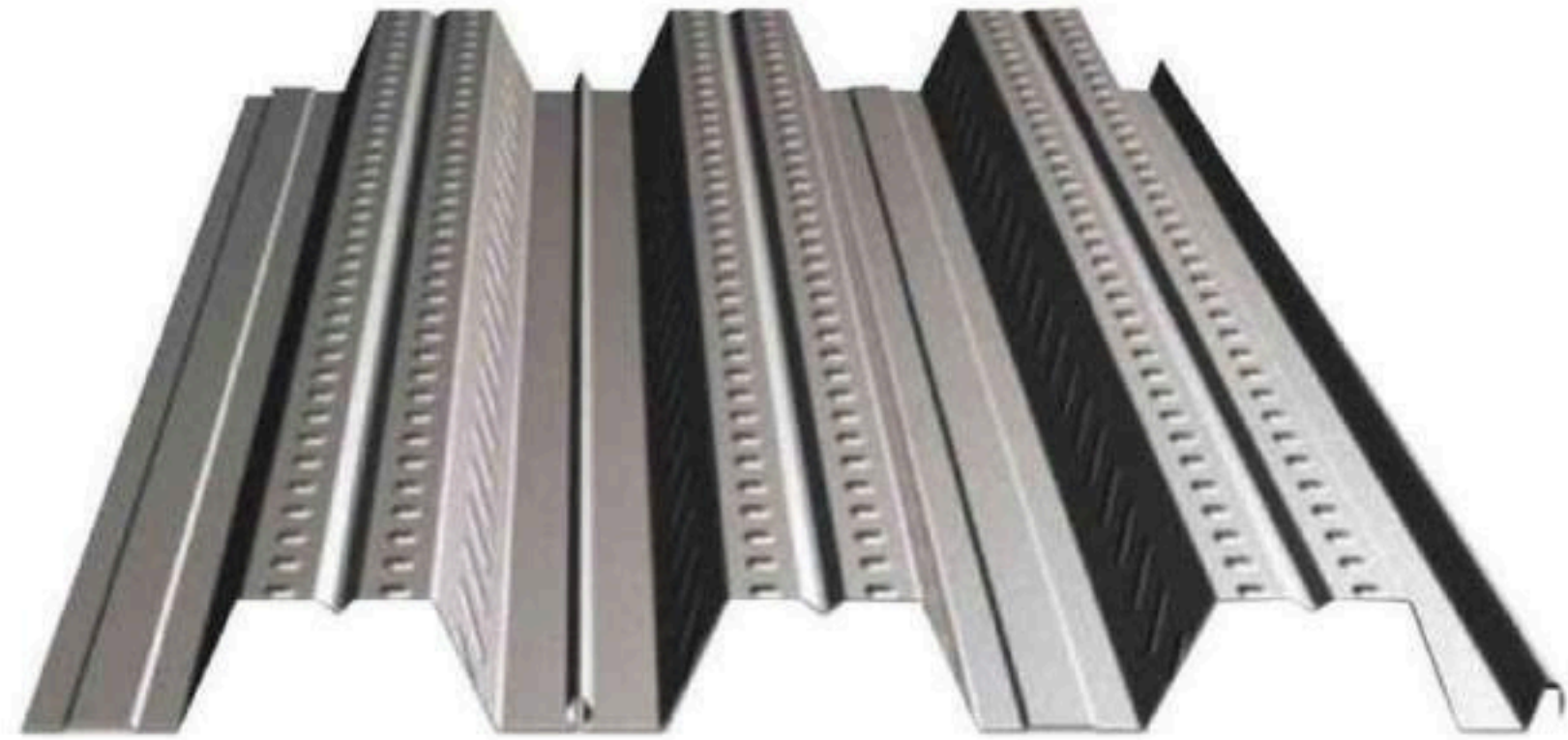
Utilizing cold roll-forming, PreBultz achieves high production capacity, ensuring uniform cross-sections with precise dimensional tolerances. Purlins, categorized as Z and C Sections, consist of a central vertical web connected to horizontal flanges, complemented by additional lips for added support. Available in HR and GI grades, with various thicknesses and depths based on building design, customized lengths with pre-punched holes are supplied to align with architectural specifications.



# Composite Metal Decking Slabs

Composite Metal Decking Slabs are recognized for their simplicity, speed, lightness, and cost-effectiveness in steel-framed construction. This system, utilizing thin-walled cold-formed profiled steel decks, is widely favored in the construction industry for its numerous advantages over alternative floor systems.

The steel decks used for the slabs are crafted from structural quality steel sheets meeting ASTM and IS 1079 standards. Each face of the deck is coated with a galvanized surface with an average thickness of 60 gsm. The steel sheet thickness varies from 0.80 mm to 2.00 mm, contingent on the building's load parameters.



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# MACHINERIES WE USE

At PreBultz, we utilize cutting-edge machinery for optimal project execution and efficiency.



**PLASMA CUTTING MACHINE**



**AUTOMATED H BEAM WELDING MACHINE**

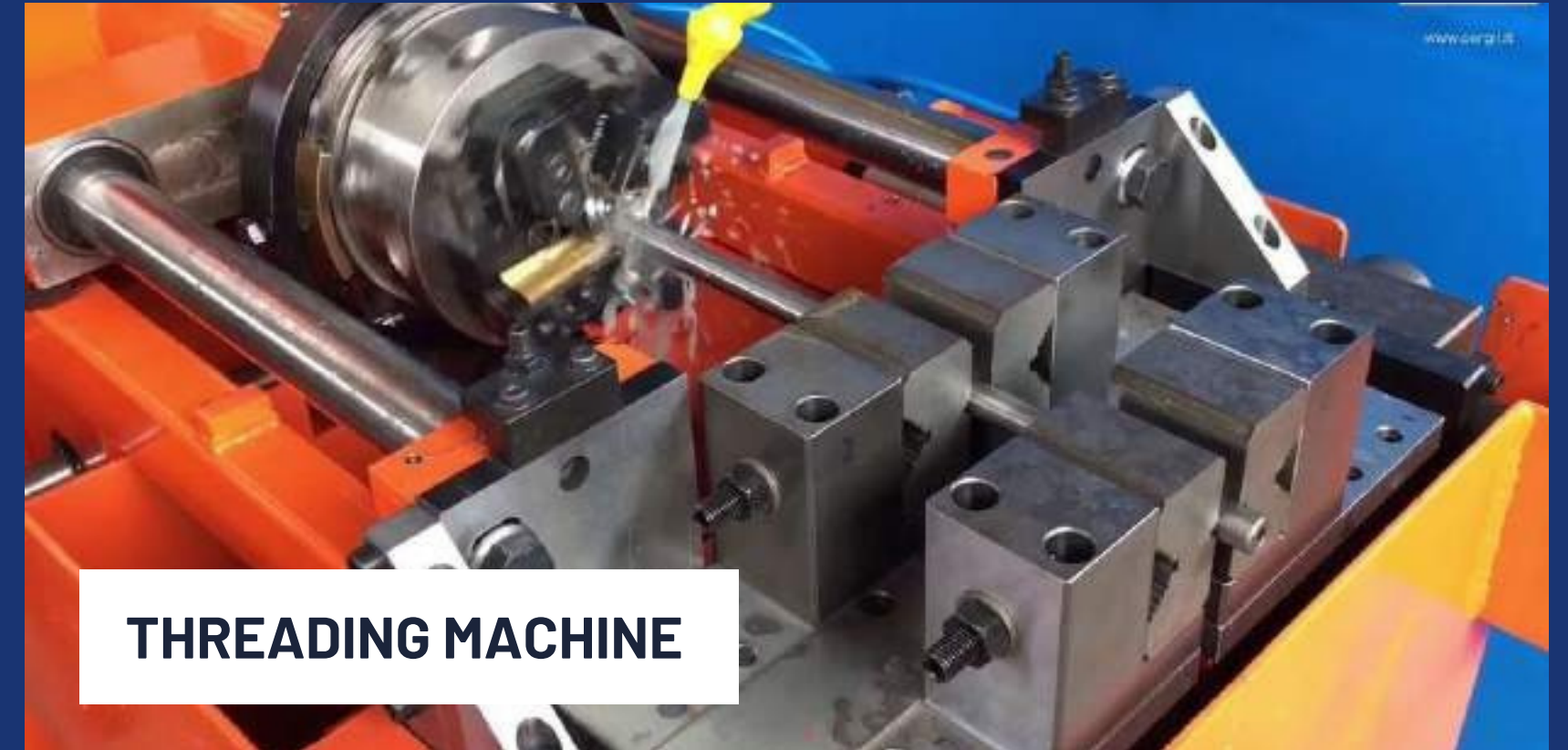


**TRAPEZOIDAL PROFILE MACHINE**

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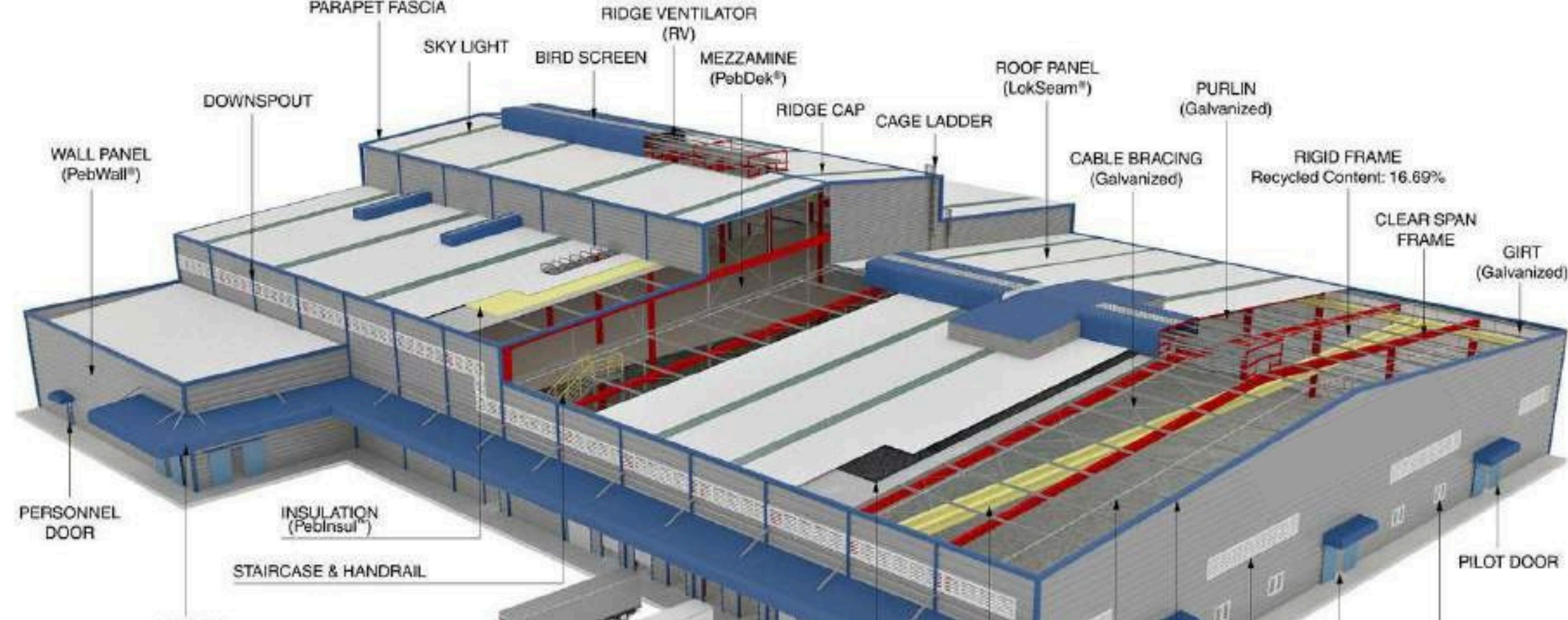
# MACHINERIES WE USE

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# PRE-ENGINEERED BUILDING SYSTEM

These elements collectively create a holistic Pre-Engineered Building, highlighting primary and secondary structural components, along with integrated systems and accessories for an efficient construction solution.



## In PEB components include:

### "Major Components"

- 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

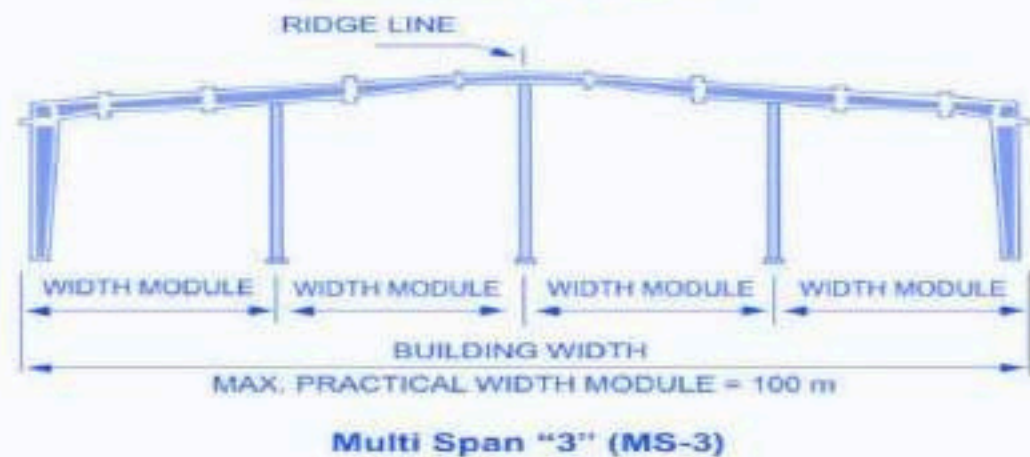
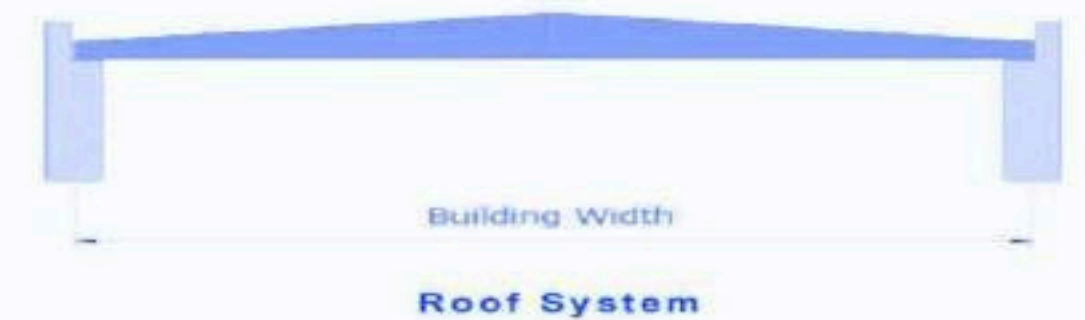
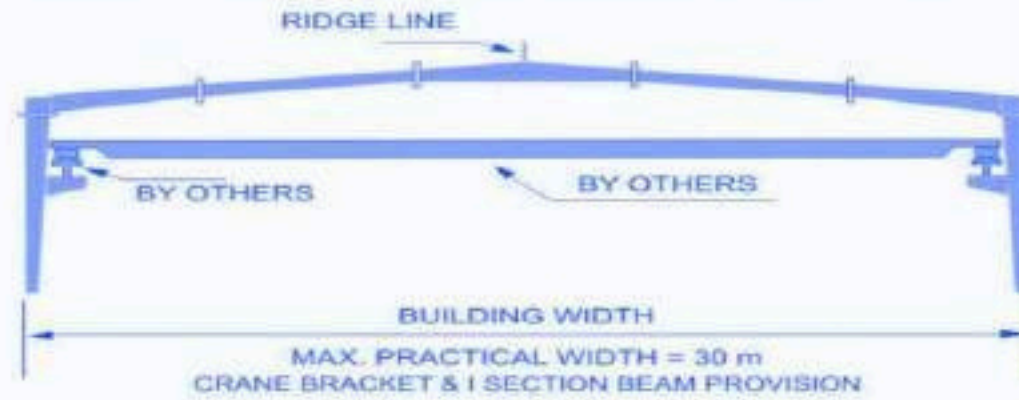
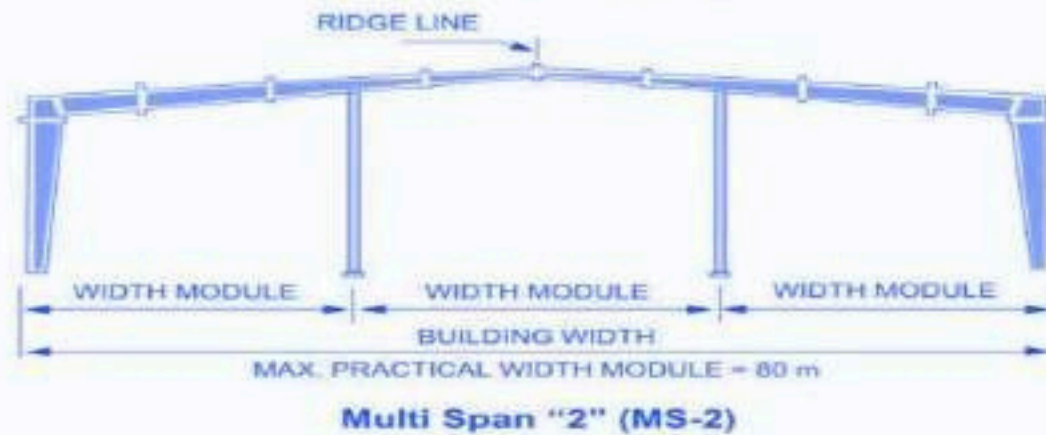
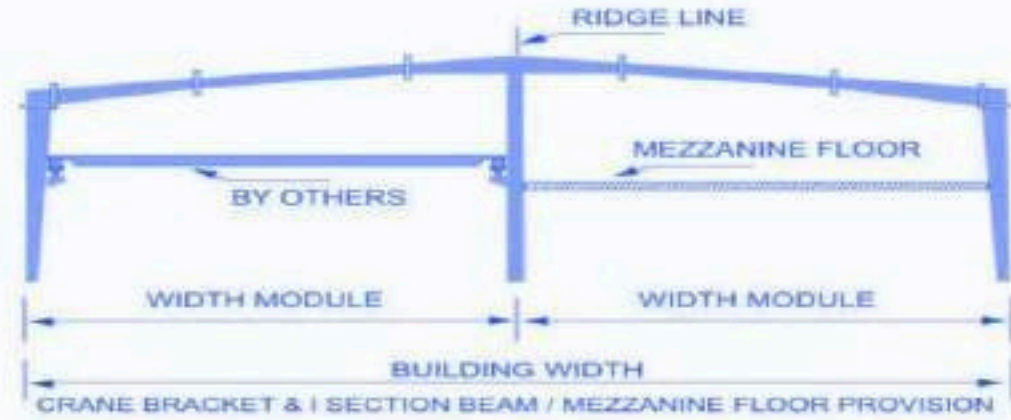
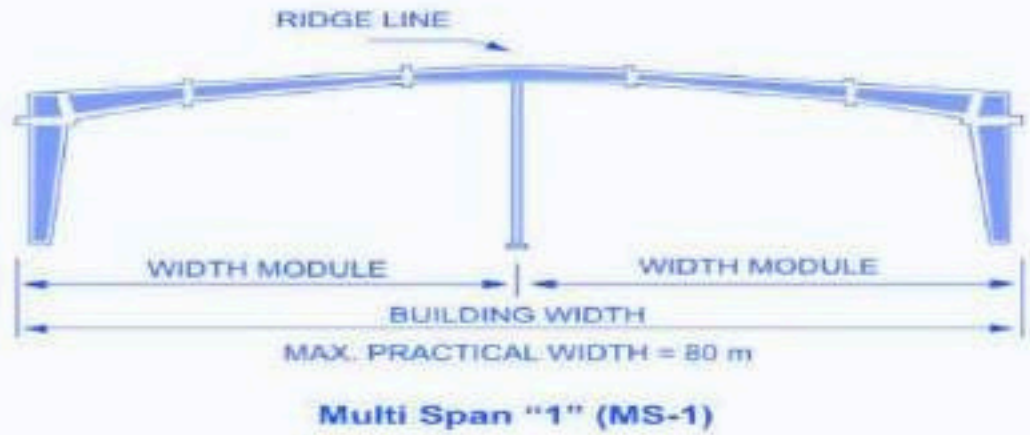
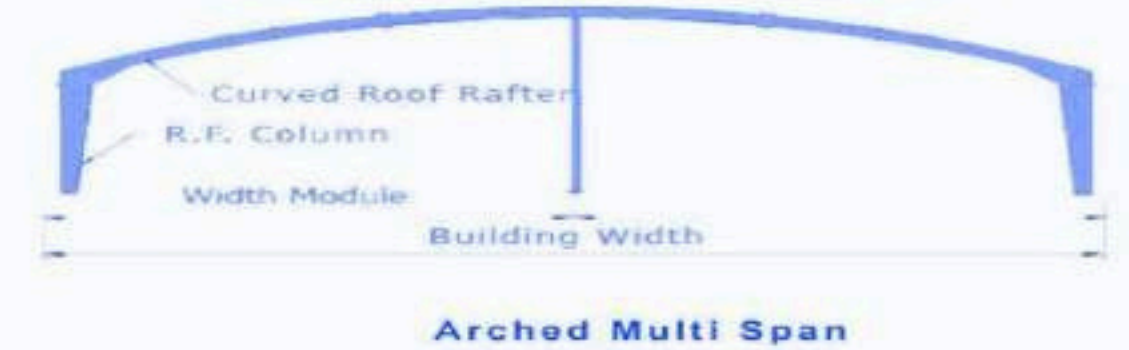
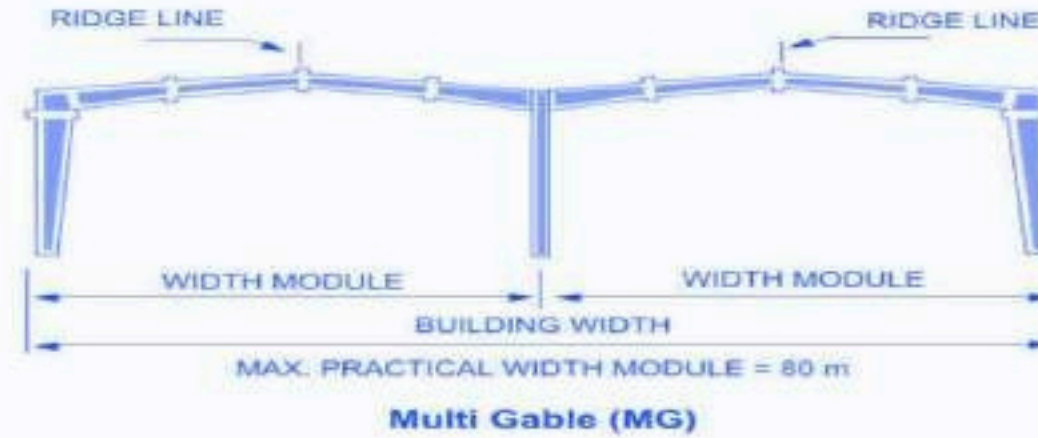
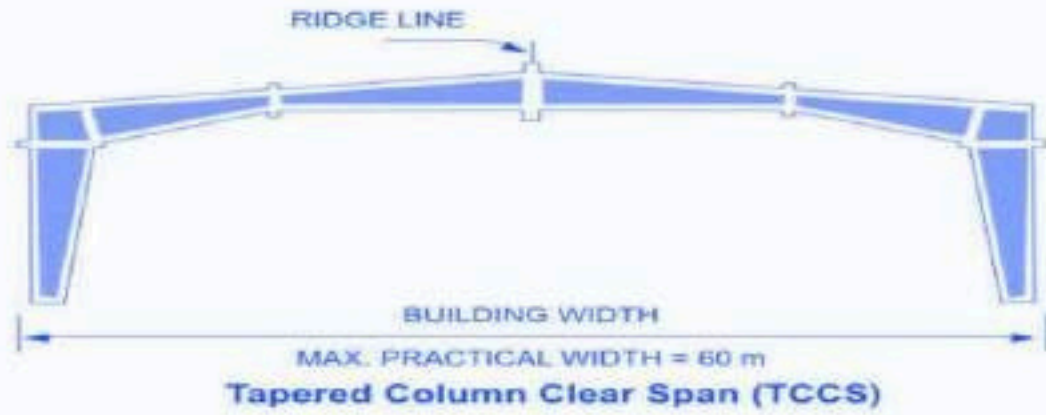
### "Primary Members"

- Columns
- Rafters
- Beams

### "Secondary Members"

- Roof Purlins
- Eave Girts
- Cladding Purlins
- Accessories

# TYPES OF FRAMES



# LOADS CONSIDERED

## 1. Dead Loads:

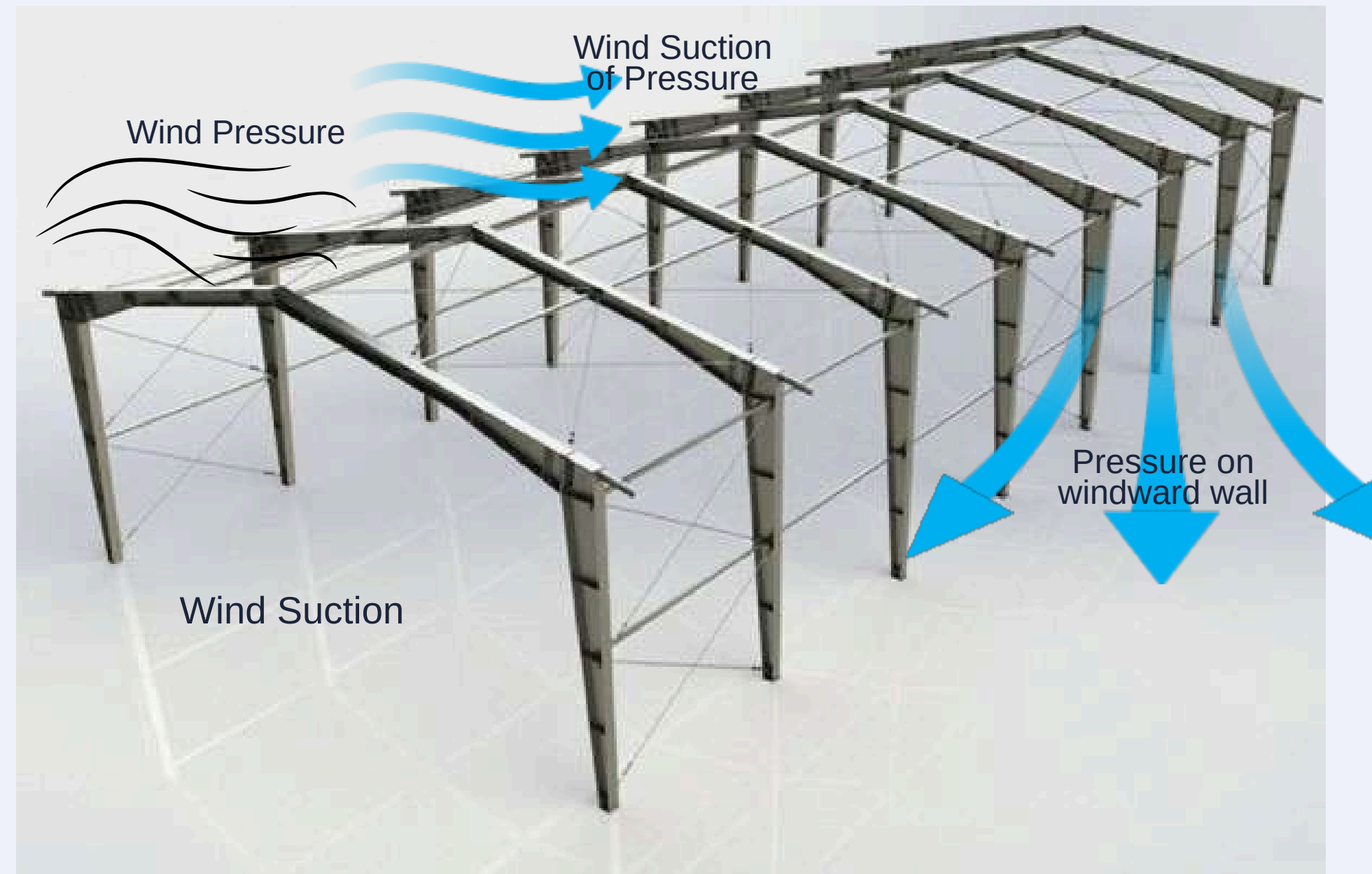
Comprising the dead load of roofing materials, purlins, trusses, and bracing systems, dead loads for the truss are determined according to IS 875 Part-1.

## 2. Live Loads:

Live loads are comparatively lower in consideration for pre-engineered buildings, with variations based on slopes. Live loads are determined following IS 875 Part-2.

## 3. Wind Loads:

The most crucial load for industrial buildings is the wind load, assessed according to the wind zone. Wind loads are determined based on IS 875 Part-3.



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# EXECUTION OF PEB

PreBultz ensures seamless execution of Pre-Engineered Building projects with efficiency



**FOUNDATION BOLT FIXING**



**COLUMN ERECTION**



**RAFTER ERECTION**

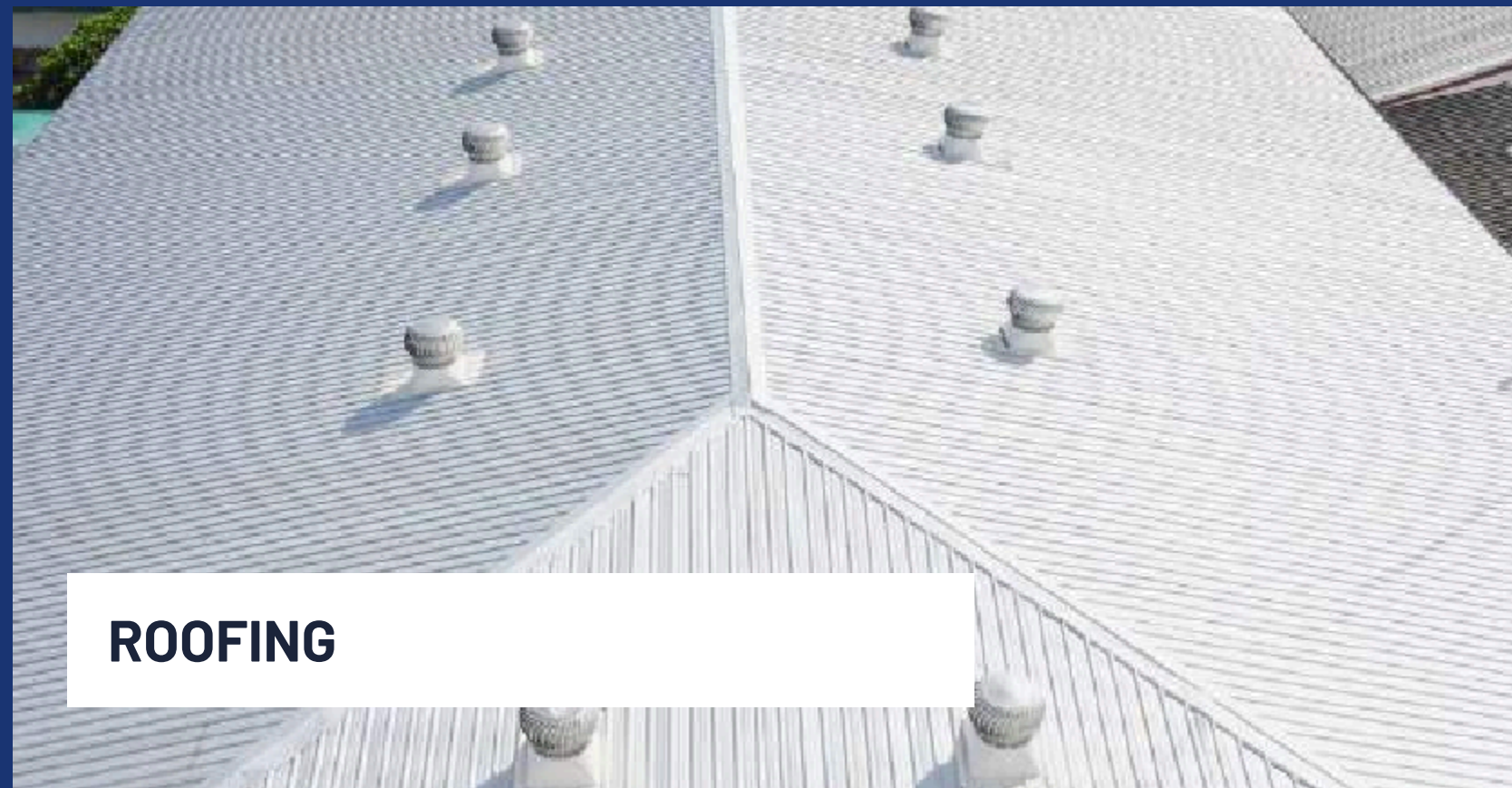
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# EXECUTION OF PEB

PreBultz ensures seamless execution of Pre-Engineered Building projects with efficiency



**STRUCTURE AFTER ERECTION**



**ROOFING**



**WALL CLADDINGS**

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# LATEST PROJECTS

Explore PreBuiltz's latest projects showcasing innovation and excellence in construction.



**STRUCTURE AFTER ERECTION**



**ROOFING**



**WALL CLADDINGS**

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**STRUCTURE AFTER ERECTION**



**ROOFING**



**WALL CLADDINGS**

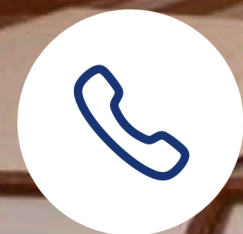
# Our Privileged Clients

- Barvaliya wevs pvt ltd
- Runwal febrics pvt ltd
- Indus foot wer- agra
- Balaji wafers -rajkot
- Gani furniture mall
- Ashvriya dying mill
- Sri ram coton mill
- Om satya thread
- Man infa-indor
- Donner pvt ltd
- Sai india ltd
- Wonderla
- Audi

- The Art of living international ashram
- Tata Hitachi machinerics mfg ltd
- Filpcard warehouse-bengaluru
- Akshardham mandir -delhi
- Brigad seven star - bengaluru
- Surat textile -bhavanimandi
- Cromwell engineering pvt ltd
- Essar steel ltd.-hajira plant
- Metro stations- ahmedabad
- Gaytri vihar -palace ground
- 106- para military-camp

# STEEL PRE BUILTZ INDIA LLP

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