VISION™ by VISAMAN

SOCHO BADA...

Build... Your Ideal world
VISAMAN® INFRA PROJECTS PRIVATE LIMITED

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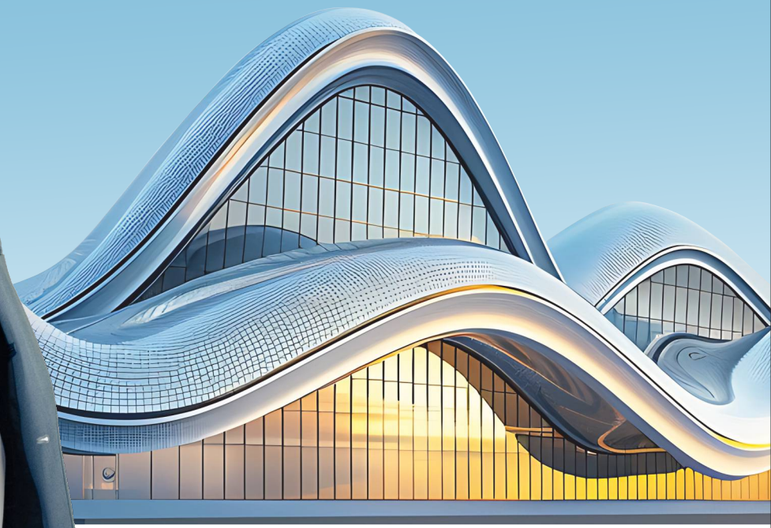
VISION™ PEB by VISAMAN

PRE-ENGINEERED BUILDING

Engineered to inspire



www.visamaninfraprojects.com

VISION PEB by VISAMAN

BUILD YOUR IDEAL WORLD

Engineered to inspire

Visaman has been a prominent player in the steel industry for over 20 years. The Visaman brand is highly respected among clients and suppliers in the steel sector. We have established long-standing relationships with reputable suppliers, including APL Apollo Tubes Ltd., AM/NS India, Steel Authority of India (SAIL), JSW Steel Ltd., Vizag Steel Ltd., Tata Steel Ltd., ASR Multi Metals, Varsanalspat Ltd., Mittal Section Ltd., Utkarsh Bars Pvt. Ltd., and Gallant Ispat Limited.

As a trusted brand, Visaman Global Sales Ltd. has built a robust network. Speed is essential in the infrastructure industry, and Visaman ensures timely deliveries by maintaining an inventory of approximately 6,000 MT of steel across various warehouses. This enables our steel building buyers to rely on us for prompt deliveries, ultimately accelerating their business cycles.

Visaman Infra Projects Pvt Ltd. offers a one-stop solution, providing all necessary resources under one umbrella. This empowers individuals to grow to their fullest potential.

VISION PEB
by VISAMAN

THINK
FUTURE BUILD INNOVATION

WE
ENGINEERED TO ENDURE
DESIGNED TO DELIVER !

Pre-engineered buildings (PEBs) are a revolutionary construction solution that offers a faster, more cost-effective, and sustainable alternative to traditional building methods. By combining innovative design, advanced engineering, and precision manufacturing, PEBs provide a versatile and efficient way to build a wide range of structures, from warehouses and factories to offices, schools, and even homes.

With their modular design, pre-engineered buildings can be easily customized to meet specific needs and preferences, while also ensuring rapid construction and minimized waste. As a result, PEBs have become an increasingly popular choice for businesses, organizations, and individuals seeking to build high-quality, functional, and affordable structures.

VISION™ PEB
by VISAMAN

BRIDGING **POSSIBILITIES**

- **Industrial Buildings:**
  Warehouses, factories, manufacturing plants, and storage facilities, livestock shelters.
- **Commercial Buildings:**
  Office buildings, retail stores, shopping centers, and restaurants.
- **Residential Buildings:**
  Homes, apartments, and condominiums.
- **Institutional Buildings:**
  Schools, hospitals, clinics, and government buildings.
  Aviation and Airport Buildings: Hangars, terminal buildings, and airport facilities.
  Sports and Recreation Buildings: Stadiums, arenas, gymnasiums, and sports complexes.
  Temporary and Permanent Offices: Site offices, construction trailers, and modular offices.

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ENHANCING STEEL BUILDINGS

FRAMED OPENINGS & CANOPY

- Framed openings serve as entryways or windows and are crucial for functionality and aesthetics.
- These openings are designed to withstand structural loads and provide safe and secure access.
- Canopies and overhangs are integrated into the design to provide shelter from rain and direct sunlight.
- Canopies, supported by columns and covered with sheet materials, protect framed openings from rainwater.
- The design and integration of canopies and overhangs enhance both functionality and architectural appeal.

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STRUCTURAL STEEL SOLUTION

MEZZANINE SYSTEM

Customizable Design: Mezzanine systems are designed to meet specific requirements, including size, load capacity, and material specifications.

Increased Storage and Workspace: Mezzanines provide additional storage and workspace, maximizing the use of vertical space and increasing overall efficiency.

Durable and Long-Lasting: Structural steel mezzanines are built to last, with a durable and robust design that withstands heavy loads and harsh environments.

Easy Installation and Relocation: Mezzanine systems are designed for easy installation and relocation, minimizing disruption to operations.

Cost-Effective Solution: Mezzanines offer a cost-effective solution for increasing storage and workspace, eliminating the need for new construction or relocation.

Flexible Configuration Options: Mezzanines can be configured to meet specific needs, including multi-level designs, stairways, and elevator installations.

Compliance with Building Codes and Regulations: Structural steel mezzanines are designed to meet or exceed local building codes and regulations.

Low Maintenance Requirements: Mezzanine systems require minimal maintenance, reducing downtime and extending the lifespan of the structure.

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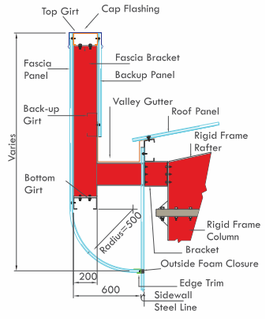
THERMAL INSULATION & SUNDRY ITEMS

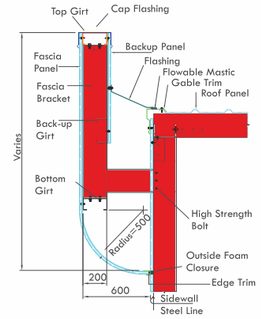
Heating and cooling are among the largest operating expenses for any building. To minimize these costs, it's essential to have effective thermal insulation tailored to the building's specific needs. Our solution features metal building roll insulation, laminated to foil-reinforced craft paper. This insulation boasts a low thermal conductivity value, ensuring optimal energy efficiency and reduced energy costs.

- **Anchor Bolts**
- **Fasteners**
- **Connection Nut & Bolts**
- **Bid Mastic Tape, Sealants, Closures etc.**
- **Insulators**
- **Base Angles**
- **Gable Angles**
- **Mezzanine Edge Angles**

PEB FASCIA & BIRD FREE SYSTEM



Typical Sidewall Selection



Typical Endwall Selection

FASCIA

FASCIA

Fascias enhance the front / entrance / loading bay areas of buildings. It can be ordered with open or closed soffits. Materials may be sheeting or steel panel or other material. A standard fascia can be added to any of the standard frame type buildings. Fascia extends out from the sidewall and end wall steel line, is single sheeted and provided with soffit.

BIRD FREE SYSTEM

There is sizable gap between rafters 8- roof sheets which is sizeable for Birds to build their nests. Sankalp has developed special boxing system with latest bending machines that fits above both sides of rafter to fill the gap.

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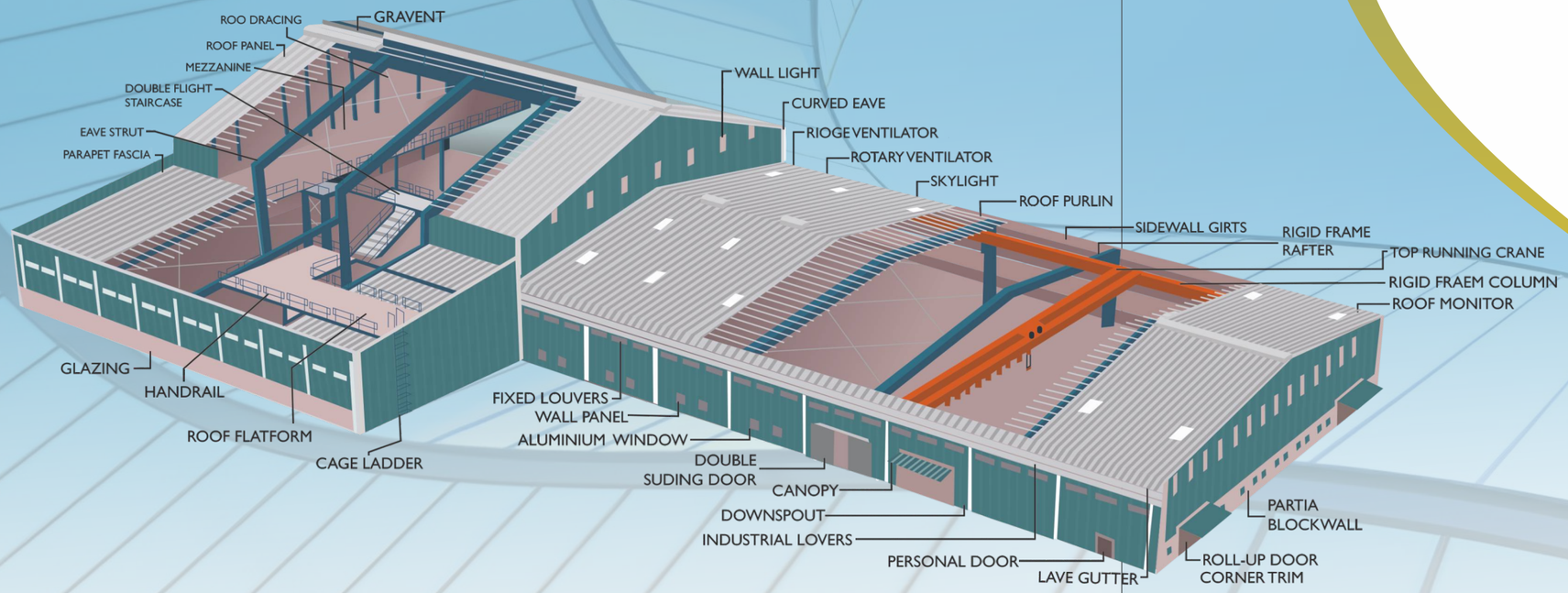
EXPERTISE BEYOND BOUNDARIES



PRE-ENGINEERED BUILDINGS ADVANTAGES

- **Cost**
  PEBs are more cost-effective than conventional steel buildings because of their efficient manufacturing process, reduced labor, and less waste. The durability of steel means less need for repairs and maintenance.
- **Time**
  PEBs can be constructed faster than conventional buildings because of their lightweight components and quicker assembly process.
- **Design**
  PEBs have a modular structure that allows for a wide range of designs, layouts, sizes, and aesthetics.
- **Sustainability**
  PEBs can be designed with energy-efficient features like insulation, energy-efficient windows, and eco-friendly roofing. The controlled manufacturing environment reduces waste and minimizes environmental impact.
- **Quality**
  PEBs are manufactured in a controlled factory environment, which ensures high quality control.
- **Maintenance**
  PEBs are less prone to wear and tear, which means less maintenance.
- **Durability**
  PEBs are engineered to be durable and long-lasting.

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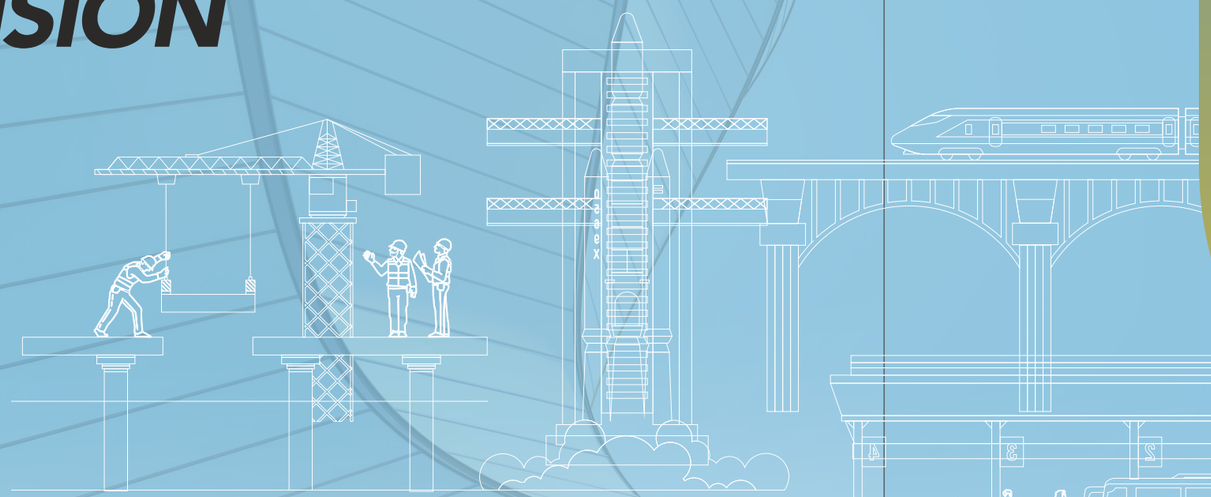
VISION PEB
WHERE SPEED MEETS PRECISION



WHY THE INFRASTRUCTURE IS APPRECIATED BY CLIENTS??

Supporting our steel supply and pre-engineered building operations is a vast infrastructure and resources network spanning multiple locations across India. Our state-of-the-art manufacturing facility, spread over 10 acres, boasts cutting-edge technology and a workforce of approximately 400 dedicated employees committed to meeting your pre-engineered steel building needs.

Our Kankot plant has an impressive manufacturing and installation capacity:

- Primary structure: 18,000 MT
- Secondary structure: 9,000 MT
- Sheeting material: 7,000 MT

Equipped with the latest, state-of-the-art machinery from industry leaders in PEB manufacturing, our Kankot plant is poised to deliver high-quality pre-engineered steel buildings efficiently and effectively."

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TURBO & RIDGE VENTILATORS SYSTEM

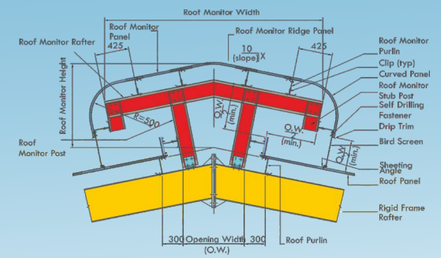
TURBO VENTILATORS

Turbo Ventilators are most preferred ventilation solution due to low capital Costs. It is light weight and can be installed anywhere on the roof without any structural changes.

RIDGE VENTILATORS

These ventilators are available in throat sizes from 200 to 600 mm complete with fixing accessories.

ROOF MONITORS & LOUVERS



ROOF MONITORS

Roof Monitor is the structure on roof with raised gable, or portion of the main building, located at the ridge, It is considered to be the best ventilation solution in PEB industry.

LOUVERS

Standard Louvers are made with overlapping type blades providing maximum airflow. Louvers are made from the same PPGL sheets using the chosen colors. There are different types of louvers available e.g. "S" type, Industrial Louvers etc. They are installed with bird mesh and utmost care is taken while designing the same to avoid water penetration inside the building.

VISION PEB by VISAMAN

IMPORTANT PARAMETERS

The following is the list of the material standards and specifications for which the building components have been designed

MATERIAL SPECIFICATIONS				
No.	Components		Specifications	Strength YS
1	Built-up		As per IS 2062	345 MPa
2	Hot Rolled	Tubes	As per IS 1161	250 MPa
		Beam/Channels	As per IS 2062	250 MPa
3	Exterior Roof Panel		As per Standard Make	550 MPa
4	Cold Formed	Pre-Galvanized	As per IS 1179 / 2062	340 MPa
5	X-Bracing	Rods	As per IS 4923	310 MPa
		Sq./Rectangle Hollow Sections		
		Angles	As per IS 2062	250 MPa
6	Anchor Bolts		As per IS 2062	240 MPa
7	High Strength Bolts		As per IS 3757 Galvanised Finished	Gr. 8.8
8	Connection Bolts		As per IS 1363 Yellow Chrome	Gr.4.6
9	Roof Panel	Bare Gal.	As per Supplier's Standard	550 MPa
10	Wall Panel	Color Gal.	As per Supplier's Standard	550 MPa
11	Mezzanine Deck Panel	G.I.	As per Supplier's Standard	240 Mpa

SALIENT FEATURES

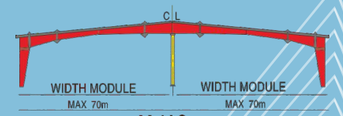
- Uses High strength plate having YS of 345 Mpa for fabrication of primary member like column, Rafter, Crane beam.
- Use Tapered beam section concept to right amount of structure steel at right place.
- Column free building with longer span.
- Building with mezzanine/crane and jack beam to different functional requirement.
- Use metal color coated material for roof and cladding which are durable and good looking.
- Use insulation to maintain temperature under control

DESIGN LOADS

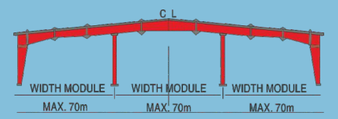
- Wind Load (Wind Speed)
- Seismic Zone (Earthquake Zone)
- Design Live Load on Roof
- Design Live Load on Frames
- Dead Load
- Collateral Load
- Future Expansion

FRAMING SYSTEMS

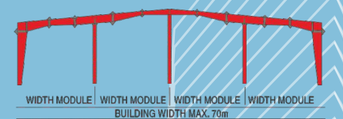
Clear Span



Multi Span

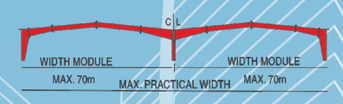


Roof System

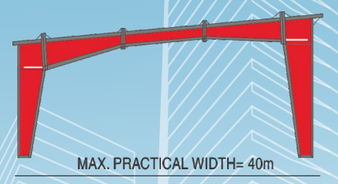


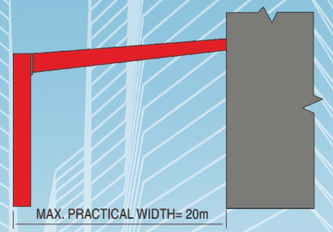
Multi Gable

Roof System



Multi Gable





Each Building is designed by team of professionals at Visaman Infra Projects Pvt Ltd. Below in the possible few part of the PEB Building.
Building Width: the distance from the outside of the eave strut of one sidewall to the outside of the eave strut of the facing wall.

Building Length:
the distance between the outside flanges of end wall columns in the facing end walls.

End Bay Length:
the distance from the outside of the outer flanges of end wall columns to the center line of the first interior frame columns.

Interior Bay Length:
the distance between the center lines of two adjacent interior main frame columns, which usually range from 6m, 7.5m and 9m to 15m
Frame Cross Section.

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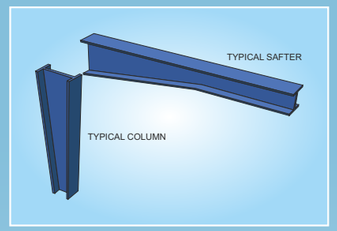
PRIMARY & SECONDARY MEMBERS



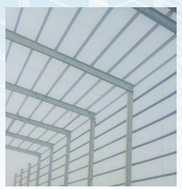
PRIMARY MEMBERS (FRAMES)

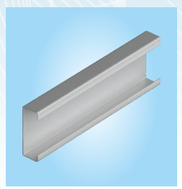
Usually in Pre-Engineered Metal Buildings; Intermediate Frames, End Wall Frames, Wind Bracings, Crane Brackets, Mezzanine Beams and Joists etc. are called primary members. These components are factory manufactured and require bolted connections to be made on site. Each part is designed and manufactured to exact tolerance under rigid quality controlled plant conditions.

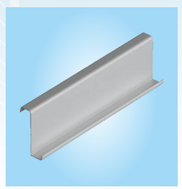
SECONDARY MEMBERS (ROOF PURLINS, WALL GIRTS, STRUTS)

Cold Formed Roof Purlins,Wall Girts,Eave Struts — all the members having section sizes varying from 80mm to 300mm depth are made from 120 GSM to 275 GSM GI Coils. These 'C' and 'I Section Purlins, Girts, Struts are available in thickness ranging from 1.0mm to 3.0mm. Cold Formed Sections are available in 100 GSM/120 GSM/180 GSM/275 GSM

Depth MM	Flange MM	Leap MM	Thickness Range MM
80 TO 300	50 TO 80	15 TO 20	1.0 TO 3.0



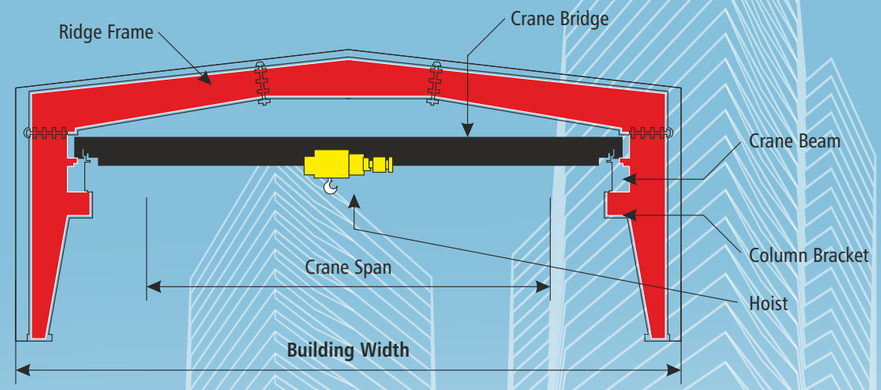




CRANES & SHEETING ACCESSORIES

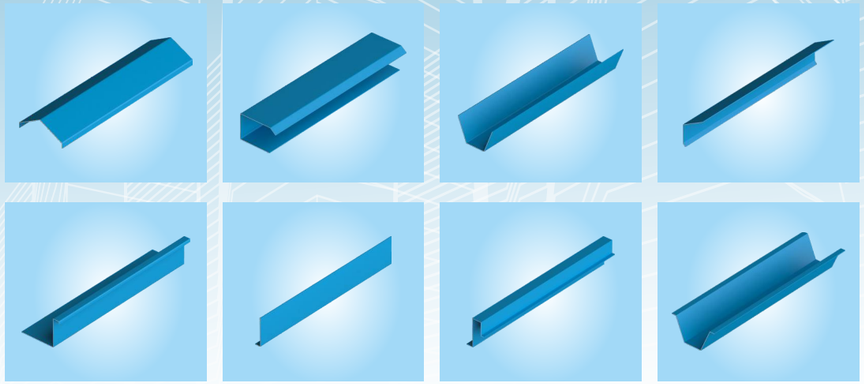
CRANE SYSTEM

Crane System is procured from crane manufacturers and steel column of rafter brackets and the crane runway beams are supplied by Visaman that is required to support the crane system.



ACCESSORIES

Accessories are most important component of steel building. Ultimate closing & finishing is finally achieved with different accessories.



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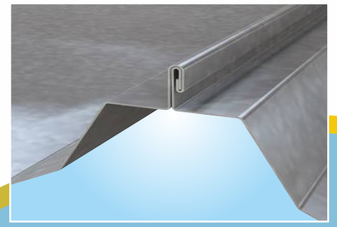
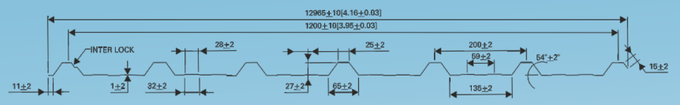
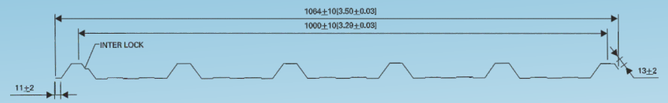
ROOFING SYSTEMS

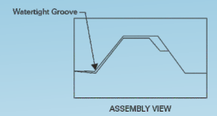


ROOFING SYSTEM

Wide range of roof and wall panels are available at Visaman to choose from. Trapezoidal Roof and Wall Panels details are given below. Both the profiles are with "Anti Capillary Groove" to ensure leak proof installation. Wide range of color combinations and patterns are available to choose and make your project unique.





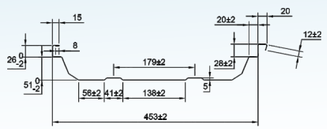


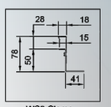
Profiles	Feeding Width	Supply Width	Effective Width
Profiles - 01	1220 mm	1064 mm	1000 mm
Profiles - 02	1450 mm	1265 mm	1200 mm
Total Coating Thickness 0.4 mm to 0.8 mm			

STANDING SEAM METAL ROOFING

A superior alternative to traditional screw-down roofing, offering:

- Screw-free design with minimal exposed fasteners
- Enhanced weather resistance
- Thermal movement accommodation
- Ideal for wide buildings with controlled center heights
- Leak-proof performance





WALKING INTO GREEN BUILDINGS

Sustainable Steel Building Solutions

At Visaman Infra Project, we design and deliver pre-engineered steel buildings that incorporate environmentally friendly systems, enabling clients to earn credits and points towards Green Building Certifications.

Optimized Design, Minimal Waste

Our expertise lies in creating optimized designs that minimize waste, a hallmark of pre-engineered steel buildings. Steel, being reusable and recyclable, has a minimal environmental impact.

Energy Efficiency and Natural Lighting

We design buildings that harness sunlight for interior lighting and incorporate ventilation systems to maximize energy efficiency. Our team of expert engineers helps clients select the most suitable insulation types, such as PUF panels, Rock Wool, and Air Bubble Insulation, to enhance power efficiency.

Green and Naturally Powered Solutions Our buildings are designed to incorporate

- Rain Water Harvesting systems, intelligently using gutters and downpours
- Roof Panel Solutions for installing Solar Panels
- Perfect installation of gutters and other systems to support sustainable practices

By incorporating these eco-friendly features, we contribute to creating Green and Naturally Powered solutions that benefit both our clients and the environment.

VISION PEB
by VISAMAN

WITH VISION
THINK BIG. BUILD BIGGER

PARTNERS IN SUCCESS

We're honored to have partnered with these esteemed organizations, delivering tailored solutions that meet their unique needs. Together, we've achieved remarkable results.

TOGETHER

TATA PROJECTS
Ambuja Cement
WELSPUN
BALAJI WAFERS NAMKEENS
ocean
NAYARA ENERGY
Reliance Industries Limited
SHAKTIMAN
ATUL
adani Solar
LARSEN & TOUBRO
IndianOil
GANESH BENZOPLAST LIMITED
Ajanta GUARTZ
MARUTI SUZUKI
GOPAL NAMKEEN
QUTONE
torrent POWER
GSPC GAS
Makson
Amul The Taste of India
adani
Falcon PUMPS & MOTORS
Sheetal
italica
OREVA
Uttam
Kajaria
VARMORA