PREMEXO

LET'S PROGRESS TOGETHER

BE UNIQUE
CREATE THE WORLD
OF YOUR DREAM...

PREMEXO PEB LLP

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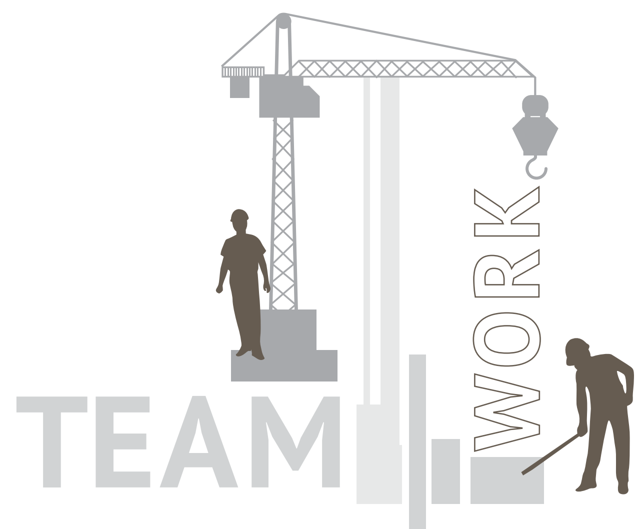
100% ISO 9001:2008 CERTIFIED
QUALITY ASSURED



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FOLLOW THE
HEIGHTS
BECAUSE SKY HAS NO LIMIT...

Strengths

We are constantly innovating and are excited about creating custom made buildings for our clients. We keep our projects economical and cost competetive. We have a team of engineers and esigners who are highly skilled, enthusiastic and excel in what they do. Most importantly we have an attitude of being ahead of schedules with an uncomprimised standard for safety.

Infrastructure

we have manufacturing facilities in Morbi, Gujarat. we have production capacity of 20000 metric tons/annual, we have an in house design team and operat team our head office in ahemdabad, Gujarat

Our Services

Based in Gujarat (India) and Word wide,
our extensive experience will help you take
a LEAP forward in your business.

DESIGN

Our PEB Steel Buildings are designed in compliance with the latest design and building codes (IBC 2009, MBMA 2012, AISC 2005, AWS 2008, AISI 2007)

FABRICATION

Our Company equipped with state-of-the-art machinery and technology, including

- fully automated, sub-merged arc welding lines from Lincoln, USA.
- heavy shering machine with 6500mm x 16mm, plasma cutting 3m x 16m ,
- C/Z purlin machine with 1 tuch auto change and more machine use for fabrication...

ERECTION

Our team erection building with 10 year experienced engineers in Pre engineering building,

our team Process the Erection work in line with project schedule, designed quality and approved safety also with customers satisfaction

WARM DESIGN FOR MORDEN ARCHITECTURE.

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Pre-Engineered Buildings

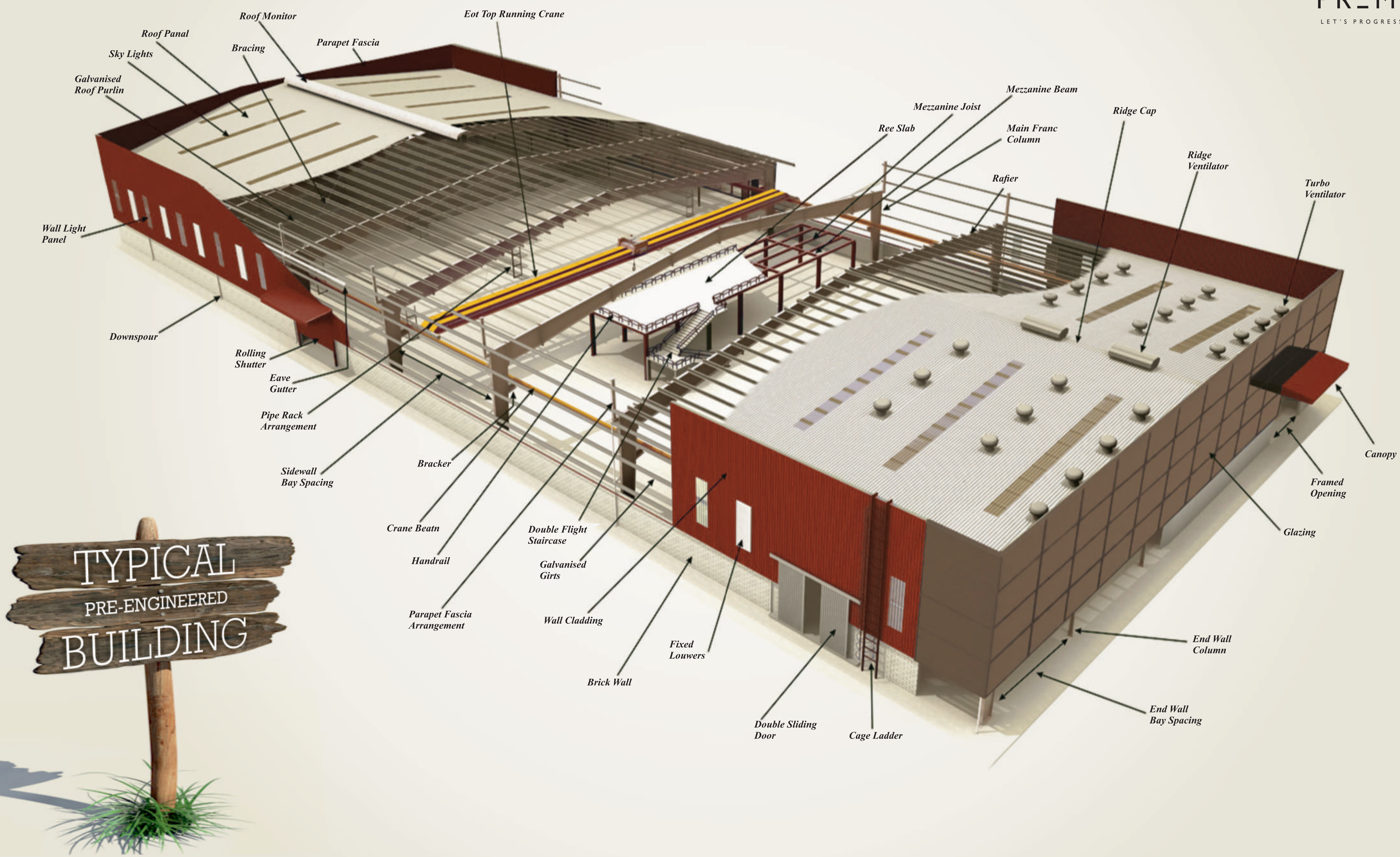
Pre-engineered steel buildings (PEB) are a steel structures built over a structural concept of primary members, secondary members, roof and wall sheeting connected to each other and various other building components. These buildings can be provided with different structural and non-structural additions such as skylights, wall lights, turbo vents, ridge ventilators, louvers, roof monitors, doors & windows, trusses, mezzanine floors, fascias, canopies, crane systems, insulation etc., based on the customer's requirements. All the steel buildings are custom designed to be lighter in weight and high in strength. Thus steel building designs have become more flexible, durable and adaptable over the last four decades which has made steel one of the preferred materials for building construction.

PEB's are ideal for non-residential and wide-span low-rise buildings. Some of the key advantages of PEB include economical in cost, factory controlled quality, durability, longevity, flexibility in expansion, environmentally friendly, faster installation, etc. Pre-engineered steel buildings are used for diverse applications such as factories, warehouses, showrooms, supermarkets, aircraft hangars, metro stations, offices, shopping malls, schools, hospitals, community buildings and many more.

As a leading PEB manufacturer, Premexo provides the complete service of engineering, fabrication and erection thus ensuring better quality control at every stage of the process.

Pre-engineered steel buildings consists of following components:

- Primary Members / Main Frames
- Secondary Members / Cold Formed Members
- Roof & Wall Panels
- Accessories, Buyouts, Crane System, Mezzanine System, Insulation, etc.



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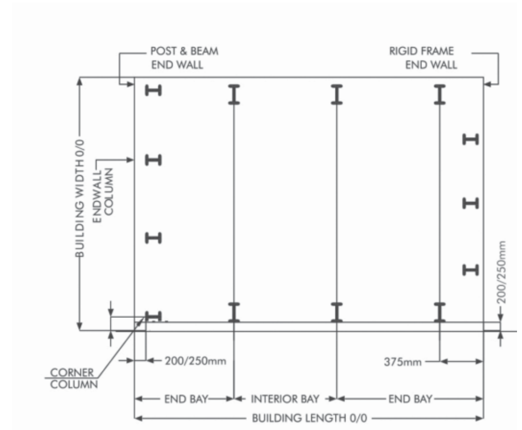
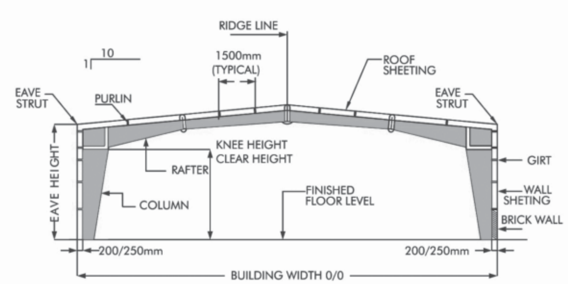
We turn your ideas into reality

P.E.B. Building Nomenclature





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Premexo pre-engineered buildings are custom-designed to meet your exact requirements. The basic parameters that define a pre-engineered building are:

Building Width
Building width is defined as the distance between the outer side of an eave strut of one side wall to the outer side of an eave strut of the opposite side wall.

Building Length
This is defined as the distance between the outside flanges of end wall columns in the opposite end walls, and is a combination of several bay lengths.

End Bay Length
End bay length is the distance from the outer side of the outer flange of endwall columns to centre line of the first interior frame column.

Interior Bay Length
This is the distance between the centre line of two adjacent interior mainframe columns. The most common bay spacings are 6 mts, 7.5 mts and 9 mts. The bay lengths can go up to 15 mts.

Building Height
Building height is the eave height, which is usually the distance from the bottom of the mainframe column base plate to the top outer point of the eave strut. Eave height can go up to 30 mts. When columns are recessed or elevated from finished floor, eave heigh is the distance from finished floor to the top of the eave strut.

Roof Slope (X/10)
This is the angle of the roof with respect to the horizontal base. The most common roof slope is 1/10. However, any practical roof slope is possible.

Design Loads
Unless otherwise specified, Premexo pre-engineered buildings are designed for the following minimum loads:

Roof Live Load: 0.75 kN/m2
Design Wind Speed: As per IS:875 for location.
Design for seismic loads, collateral loads or any other local conditions must be specified at the time of quotation.

Loads are applied in accordance with the latest American Codes and Standards applicable to pre-engineered buildings unless otherwise requested at the time of quotation.

Primary Member :

Primary frames are designed in accordance with the steel construction manual published by American Institute of Steel Construction (AISC). Manufacturing dimensional tolerances are in accordance with the requirements of 'Metal Building Manufactures Association' (MBMA) of USA, "Low Rise Building Systems Manual". Besides AISC and MBMA, we also design buildings with IS-875, 1984 and IS-875, 2007. Built-up sections are fabricated from hot rolled steel plates confirming to ASTM A 572M grade or equivalent with a minimum yield strength of 345N/mm2 (50ksi).

The most common primary framing systems are illustrated here. All structures shown are symmetrical about the ridge line. Framing systems unsymmetrical about the ridge line and Multispan Framing Systems with unequal width modules are possible too. Practically any frame geometry can be erected.

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- Column
- Rafter
- Canopy
- Rails
- Crane beams
- Jack Beam
- Mezzanine Floor

COLUMN/ RAFTER

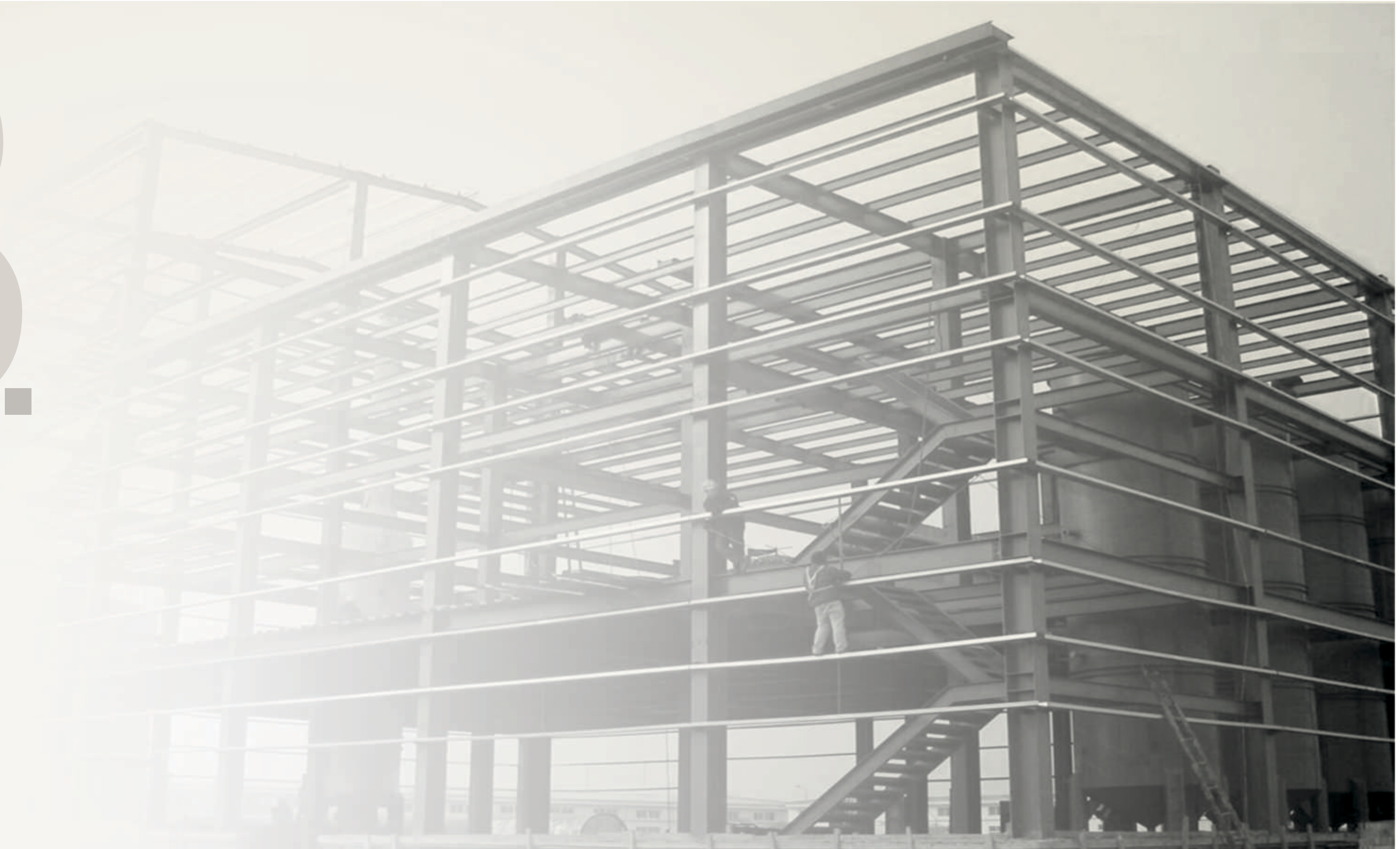
JACK BEAM

CANOPY

CRANE SYSTEM

P.E.B.

SOVEREIGN : SMART SOLUTIONS FOR YOUR SPACE.



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Mezzanine Floors

Mezzanines in Buildings
Intermediate **Mezzanine Floors** are possible in metal buildings. **Mezzanine Floors** can be provided in complete or partial area in pre-engineered buildings to suit loading requirements for office and storage. **Mezzanine Floors** consist of steel decks, supported by joists framed to the mezzanine beams. Main mezzanine beams normally run across the width of the building and are located under the main rafters while joists run parallel to the length of the building. The top flange of the joists fit immediately below the top flange of the mezzanine beam.

The economy of the mezzanine floor is affected by the applied load and support column spacings. Multi-level equipment platforms, catwalks, staircases etc. can be accommodated, if complete data is available

MORDEN
TRENDY
BEAUTY THAT
GIVES PLEASURE
EVERY DAY

Secondary Member :

Secondary Framing Systems

Secondary framing consists of elements which support the roof and wall sheeting and transfer load to the primary framing.These include Roof Purlins, Wall Girts, Eave Struts, Clips etc.

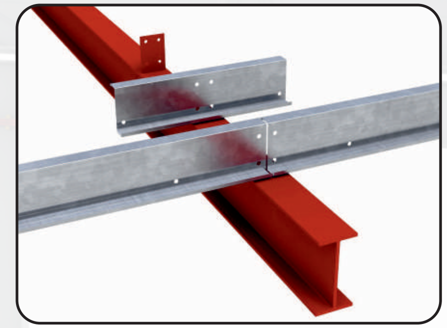
Roof Purlins : Roof purlins are cold-formed Z profiles, normally 200 to 250 mm deep out of 1.6 to 3.15 mm thick steel. These are fixed to the top flanges of the rafters by means of clips bolted to the rafters, and the purlin web bolted to the clips. Purlin ends overlap to act as continuous beams.

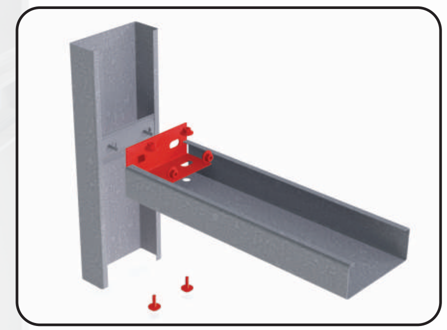
metal roof and wall systems

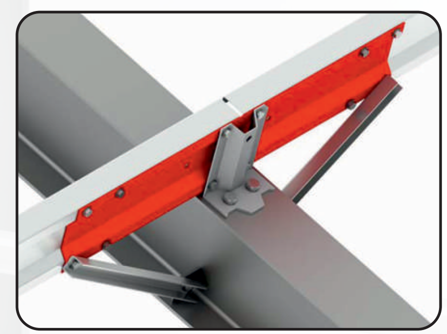
Wall Girts :

Wall girts are cold-formed Z sections, normally 200 to 250 mm deep out of 1.6 to 3.15 mm thick steel. These are fixed to the outer flange of the side wall columns. There are two types of fixations:

Fixed to the outer flange of the side wall columns by means of clips bolted to the column and girt web bolted to the clips. Overlap connections are provided for continuous beam action. Endwall girts and flush girts on side walls are normally flushed to the outer flange of the columns by means of clips which are bolted to the column web and girt web bolted to the clips.







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Wall Sheet & Roof Sheet

Premexo standard steel panels are 0.5 mm or 0.6 mm thick and have a minimum yield strength of 345 MPa. Steel panels are hot dipped and galvanized with zinc or zinc-aluminium coating. Galvanized materials conform to G90 for 275 grams per square metre according to ASTM A653. Zinc-Aluminium coated materials conform to AZ150 according to ASTM A792.

Premexo panels are prepared with a multilayered coating system to ensure long life and optimum coating adherence. The base material is pretreated, before applying a corrosion resistant primer and top coat. The combined thickness of the painted film is 25 microns on the front side and 12 microns on the reverse side.

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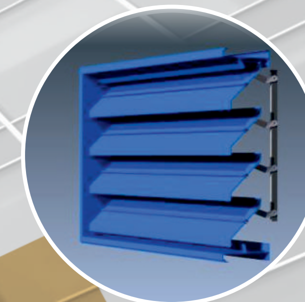
Accessories

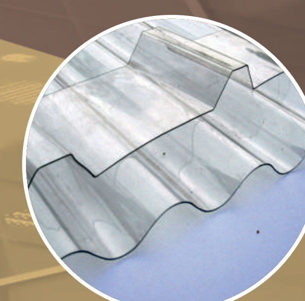

Turbine Ventilator


Louvers


Ridge Vent.


High Tensile Fasteners

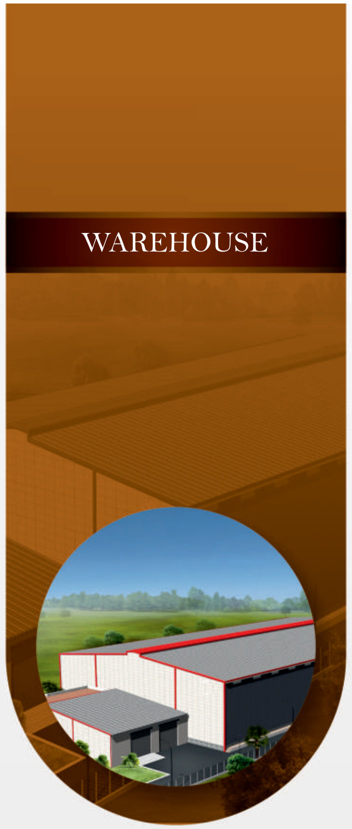

Self Drilling Screw


Polycarbonate Sheets

Let's Progress toGether...

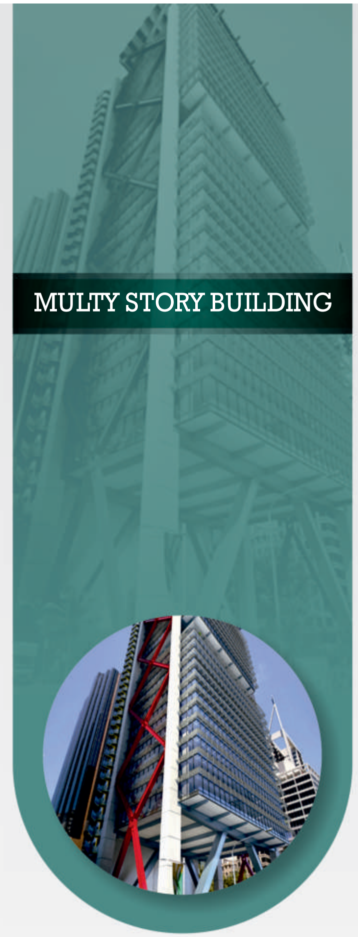
Delivery and Erection

Prior to commencement of shipment of fabricated steel to the site, the OMD team deputes a Project Engineer to assist the erection team in providing on site service to Premexo's clients. The project engineer makes frequent site visits through this phase of the project and communicates client needs to the OMD engineer ensuring efficient and timely response.



Exclusive Application

My building are more FAMOUS then me



We are Environment Friendly

Optimal material usage without compromising on factor of safety
Usage of reusable and recyclable material
Organized collection of rain water for harvesting
Usage of sunlight through skylights and wall lights for day lighting
Usage of wind through turbine ventilators for natural ventilation
Usage of suitable insulation for interior temperatu re control
Integrated operating system for error free execution
Wind Milland solar panels are other installable featu res
Install Solar Panels for energy efficient solutions

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ARCHITECTURE
is the reaching out of the
TRUTH

OUR VALUBLE CUSTOMER

- SHUKAN
- DMK PARTICLE BOARD LLP.
- SNOW STONE MICRO MINERALS
- Kajaria
- asian flexi pack
- Pragati Engineering
- lexus
- LORENZO VITRIFIED
- AARU Exclusive Sanitary ware
- Eden hills
- Bhagat Industries
- VRUNDAVAN POLYMERS
- ANKIT SILICATE
- Crystal COAL
- itamax
- P&B CLAY INDUSTRIES
- JETCO Industries
- Jaquel
- SUNGLASS DIGITAL FLOOR TILES
- CLAN VITRIFIED PVT. LTD.
- Shiv Industries