GM ENGINEERS & FABRICATORS (P) LTD.
AN ISO 9001:2008 CERTIFIED COMPANY

★ GALVALUME PRE-PAINTED TRAPEZODIAL ROOF AND WALL CLADDING SHEETS ★

★ PRE-ENGINEERED BUILDINGS ★

★ Z AND C PURLINGS ★

HEAVY FABRICATION / EOT CRANES / RDSO APPROVED STEEL BRIDGES
TANKS & SILOS / GLASS BOTTLE MOULD / GEAR BOXES / PRE ENGINEERING BUILDING
HEAVY MACHINE SHOP / ROAD, BUILDING, BRIDGES & OTHER CIVIL WORKS
GM ENGINEERS & FABRICATORS was established in 1982 under the leadership and guidance of Mr. G.D GARG & Mr. MOHAN GARG, started to manufacturing arenas of Color Coated HI-RIB Profile sheets, Poly-Carbonated roofing sheets, fiber profile sheets. We use pre-painted Galvanized steel, pre-painted Galvalume steel from premier produces to produce a superior quality and environment-friendly product, a one-of-it's kind in India matching with International Standard of Steel Design and Strength.

We are also engaged in pre-engineering works, such as designing, fabrication and installation, all customized as per requirements. Our company proudly owns fully computerized and automatic machines and professionally experienced team.

We respectfully solicit a share of your patronage and assure you that your good self may place your order with us in full confidence. If you require any clarification you may Write / Contact / Fax / E-mail us. Awaiting to hear your prompt and positive response and assuring you our best cooperation at all the time we remain.

With our superior brand - GM ENGINEERS, we are unparallel in our products and services. We make a premium brand position through Customer's satisfaction. We hold our values above all. Our motto is to serve our customers globally with newer products along with the superior Quality and Reliability in terms of Commitment, Fulfillment and Timely Delivery.

Manufacturing

(a) GM Engineers Hi-Rib Colour Coated Profile Sheets  
(b) Z Purlin  
(c) C Purlin  
(d) Flashing & Trims  
(e) Pre-Engineered Buildings  
(f) FRP Sky Lights Profile Sheets  
(g) Poly Carbonate Roofing Sky Lights Sheets  
(h) Decking Sheets  
(i) Turbo Ventilators  
(j) Air Ventilation Louvers  

(k) Self Drilling Screw  
(l) Sag Rods  
(m) Clits  
(n) Clipon Sheet
GM Engineers profile in corporate male/female end with fill return leg 3 anti capillary flake at side-lap-thus ensuring leak proof sheeting capable of efficient water drain out.

**Profile Width**

1060 mm

<table>
<thead>
<tr>
<th>Covered Width</th>
<th>Pre-Painted Galvalume Steel (Base)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil Input</td>
<td>Zinc Coating</td>
</tr>
<tr>
<td>1220mm</td>
<td>AZ-70 to AZ-150 as per 1397</td>
</tr>
<tr>
<td>Supplied Width</td>
<td>Primer Coat</td>
</tr>
<tr>
<td>1060 ± 10mm</td>
<td>5 Microns approx. / PV Both sides RMP (Regular Modified Polyester)</td>
</tr>
<tr>
<td>Covered Width</td>
<td>Polyesters</td>
</tr>
<tr>
<td>1020 ± 10mm</td>
<td>SMP (Silicon Modified Polyester) (Optional)</td>
</tr>
<tr>
<td>Pitch</td>
<td>Painting Thickness (Top)</td>
</tr>
<tr>
<td>196 ± 250mm</td>
<td>25 Microns</td>
</tr>
<tr>
<td>Crest Height</td>
<td>Painting Thickness (Bottom)</td>
</tr>
<tr>
<td>30 ± 1mm</td>
<td>10 Microns</td>
</tr>
<tr>
<td>Crest Width</td>
<td>Surface Finish</td>
</tr>
<tr>
<td>28mm</td>
<td>Glossy Finish</td>
</tr>
<tr>
<td>Length As</td>
<td>Tensile Strength</td>
</tr>
<tr>
<td>As Required</td>
<td>ASTM A755,</td>
</tr>
<tr>
<td>No. of Profile</td>
<td>345 MPA TO 550 MPA</td>
</tr>
<tr>
<td>05</td>
<td></td>
</tr>
<tr>
<td>Thickness</td>
<td></td>
</tr>
<tr>
<td>.30 To .80mm</td>
<td></td>
</tr>
</tbody>
</table>

**Diagram**

- Eave Gutter
- Sky Light
- Barge Cap
- Aluminium Glass Window
- Gable Cladding
- Roll Up Door
- Entrance
- Corner Flashing
- Louver
- Wall Panel
- Insulation
- Down Spout
- Rigid Frame
- Side Wall Grit
- Rod Bracing
- Drip Flashing
GM ENGINEERS Purlins are secondary members of steel structures. It serves as the basic material for construction of fast-track projects. These purlins are characterized by high strength, yet low cost (as a result of high strength to weight ratio) GM Engineers purlins are supplied in required sizes and lengths with pre-punched holes for quick bolting. The production system deployed consists of international standard cold-roll forming technology. It uses high quality machines with on line measuring, cutting, punching and straightness and overall supreme quality product. GM Engineers purlins are widely used in commercial and Industrial buildings, steel structures, sheds and awnings as well as in racking and wall cladding of the sheets.

### Technical & Material Specification

<table>
<thead>
<tr>
<th>Thickness</th>
<th>1.5mm to 3mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>Upto 15000mm</td>
</tr>
<tr>
<td>Material</td>
<td>CR Steel as per IS:513 / H.R. steel as per IS:1079 and galvanized steel as per IS:277</td>
</tr>
<tr>
<td>Yield Strength</td>
<td>245 MPA to 345 MPA</td>
</tr>
<tr>
<td>Type</td>
<td>Bare, Premier coated, Galvanized, Painted</td>
</tr>
</tbody>
</table>

### Standard Purlin Selection Z - Section - Ys 245 MPA

<table>
<thead>
<tr>
<th>Span (m)</th>
<th>No of Sag Roads</th>
<th>Wind Load = 100 kg/m2</th>
<th>Wind Load = 150 kg/m2</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>1</td>
<td>Z 200 x 70 x 20 x 2</td>
<td>Z 200 x 80 x 20 x 2.5</td>
</tr>
<tr>
<td>6.50</td>
<td>2</td>
<td>Z 200 x 70 x 20 x 2</td>
<td>Z 220 x 80 x 20 x 2.5</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>Z 200 x 70 x 20 x 2.5</td>
<td>Z 220 x 80 x 20 x 3</td>
</tr>
<tr>
<td>7.5</td>
<td>2</td>
<td>Z 200 x 70 x 20 x 2.5</td>
<td>Z 250 x 80 x 20 x 2.8</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>Z 200 x 70 x 20 x 3</td>
<td>Z 300 x 80 x 20 x 2.5</td>
</tr>
</tbody>
</table>
Advantages of Pre-Engineered Buildings

(a) Single source responsibility
(b) Low initial cost
(c) Engineering flexibility
(d) Faster overall Project completion
(e) Low maintenance
(f) Fast modular expand ability
GM Engineers is one of the Biggest Brand in FRP and Poly carbonate Roofing sheets with the most advance and proven technology till date. FRP and poly carbonate come with anti-ultra-violet layers for extra protection against sunlight's ultra-violent rays to give you a more comfortable home environment. FRP and Poly carbonate sheets offer the high level of glazing performance where transparency or tailored light transmission along with the high input strength is of vital importance. They have excellent physical, which explain their high reputation in building and decoration industry. They all sold all over the World making great contribution to consumer's beautiful life. There versatility makes them the ideal choice for glazing in hospitals, schools, sporting areas and public, infrastructure projects. They are available in Transparent and textured finish.

Turbo Ventilators - Pollution Free Environment

Circulation of fresh air in shop area is essential to energize work efficiency, create dust free atmosphere and equalize ambient temperature. Which is quite necessary for all types of industries.

Features - Turbo Ventilators

(a) Fresh air 24x365 days  
(b) Maintenance Free  
(c) No need of electricity - Wind driven  
(d) Eco friendly  
(e) Easy to install  
(f) Noise less operations  
(g) Rust free  
(h) Day light effect  
(i) Uniform & Continuous flow of fresh air.  
(j) Weather proof & Storm proof  
(k) High grade Aluminum stainless steel.
GM Engineers Pre Engineered / Fabricated Building

- Clear Span
- Multi Span "1"
- Multi Span "3"
- Multi Span "2"
- Multi Gable
- Mezzanine Floor
- Lean To
- North Light
- Mono Slope
- Monitor Type
- EOT Crane
- Butterfly Canopy
Sag Rods

Sag Rods manufactured in Standard length from 12 mm to 16 mm diameter steel rod, threaded with washers & nut on both side. Sag Rods are used in purlins to strength the purlins and strength the dimension of the purlins.

Clits

Clits used with purlins manufacture in thickness of 5 mm to 8 mm any sizes any holing reduced according to purlins.