

# Beyond Pre-Engineered Buildings



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 Vadodara-390007  
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- Factory Unit**
- Offices**
- Headquarters**



Factory Unit - 1 (Tarapur)



Factory Unit - 2 (Tarapur)

CIVIL AND STEEL WORKS FOR COMPLETE METAL BUILDING SOLUTIONS



**MPIL STEEL STRUCTURES LIMITED**

**Corporate & Regd. Office : MPIL Headquarters**  
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**Works : Maharashtra Unit**  
 J-86, MIDC Tarapur, Boisar,  
 Dist. Thane - 401 506, Maharashtra.

**Works : Karnataka unit**  
 Chikkantapur Village, Near Sultanpur, Sandur Taluka,  
 Dist.-Bellary (Karnataka)

**Engineering the Earth**

**MPIL STEEL STRUCTURES LIMITED**



www.mpil.in



### Mission

The MPIL mission is to **"engineer the earth"** – to enable effective use of steel to enhance infrastructural facilities.

### Vision

To be India's leading structural steel solution provider.



Indian Green Building Council  
'Gold' certified



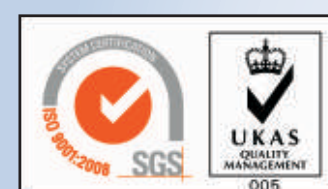
Business Standard  
Yes bank- Best SME



Business Standard  
Yes bank- Best Green SME



Aspirants Award' by Frost & Sullivan





MPIL Steel Structures Ltd. was established in 2001, to diversify into steel works, in addition to strengthening its strong hold in the field of iron ore mining and logistics. Under the leadership of Mr. Ashwani gupta (chairman and managing director), MPIL Steel Structures Ltd. has grown to become the flagship company of the MPIL group.

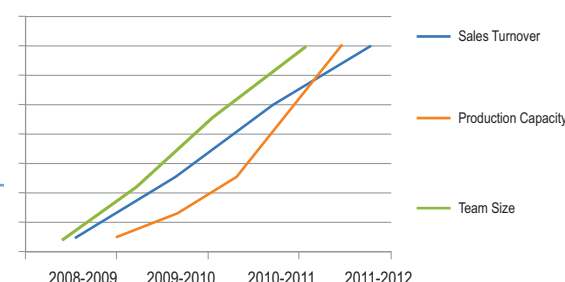
It has a production capacity of 50,000 tons of structure steel, an engineering team of 850 members, offices in 5 cities and a large number of satisfied customers across India, Africa and South-East Asia. MPIL is a turnkey solution provider for metal building products and integrated structure steel fabrication. Over the last decade, MPIL has emerged as a leading manufacturer of complex steel structures, pre engineered buildings and fabricated solar panel mounting structures.

MPIL pre-engineered buildings are custom-designed to meet exact requirements using steel structures, plate welded H/I beams,

roofing/cladding steel profiled sheets, "z" and "c" channels and other building accessories such as doors, windows and louvers. MPIL also undertakes civil foundation design and execution works.

MPIL steel structure now provide the backbone to the Mumbai International Airport, the largest blast furnaces of the JSW Steel iron-making zone in Karnataka, the 63 storey Marathon Futurex Tower, The Sahara Star Hotel in Mumbai and over 100MW solar farm in Gujarat, Rajasthan and Orissa. MPIL is proud of its association with the JSW Group, JSPL Group, L&T Group, and the Zuari Italcementi Group

MPIL owns state-of-the-art steel LEED certified fabrication plants in Tarapur, Maharashtra and Sultanpur, Karnataka. MPIL is now a multiproduct company manufacturing over 100 custom-design fabricated structural steel products and cold-rolled formed sections.



Over **15** years of experience

Over **750** satisfied customers

Over **45,000** tons of steel buildings manufactured

Over **60,000** tons of structure fabrication Capacity

Over **1,200,000** square feet fabrication facilities

Over **250,00,000** square meter of industrial roofing area covered

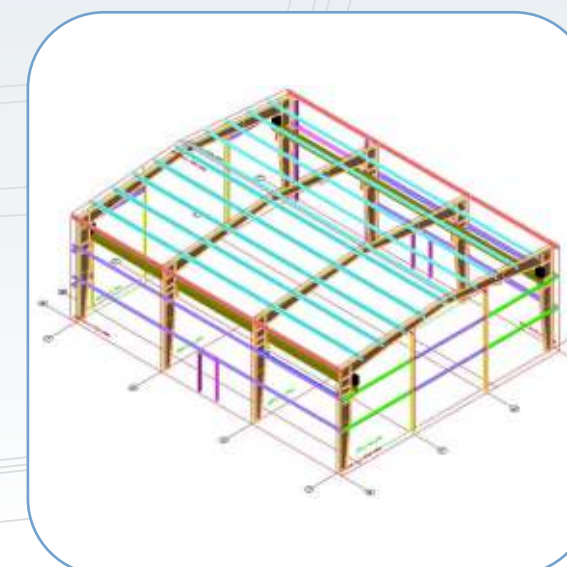
## Beyond Pre-Engineered Buildings

(Civil and Steelworks for your total construction needs)

- MPIL goes above and beyond typical PEB responsibilities to take on civil foundation design and execution work as well
- All we need from you is access to your land or plot!
- MPIL will undertake the scope of column reactions, foundation layout and design,

leveling, foundation execution and anchor-bolt grouting

- As out client, you get complete piece of mind and hassle-free single source vendor for all your project development needs
- MPIL is the only complete construction solution provider in India undertaking civil as well metal building works



DESIGN & FABRICATION



CIVIL WORK ON SITE



BUILDING CONSTRUCTION



FINAL COMMISSIONING





DG Building at Bharati Ship Yard, Maharashtra



Anti Corrosive Equipment Pvt. Ltd., Valsad, Gujarat



JKT Nuts LLP, Maharashtra



Powerdeal Energy Systems, Nasik



JSW Headquarters, Mumbai



JSPL Angul, Orissa



Reliance Infrastructure Limited, Sasan Power Plant



Bagmane WTC Project - Bangalore



Uniflex Cables Ltd, Gujarat



JSW - Sinter - 2 Pump House, Karnataka



WEIR BDK VALVES PVT.LTD, Karnataka



Garware Wall Ropes Ltd., Satara, Maharashtra



Raspberry Agrovet Pvt.Ltd., Rajasthan



Bharati Ship Yard, Ratnagiri-Maharashtra



# MPIL Projects



Shanti Iron & Steel ,Belgaum



Jindal Saw Ltd., Gujarat



KL Crescent,Bhiwandi-Maharashtra



Remi Process Plant & Machinery Ltd.



Shriram EPC Ltd,Chattisgarh



Arham Anmol Projects Pvt. Ltd,Maharashtra



Kargwal Enterprises Ltd.,Silvassa



Ashapura Minechem Ltd., Gujarat



Apar Industries Ltd., Gujarat



Praxair Ltd.,Chennai



Tata Motors Ltd. Maharashtra



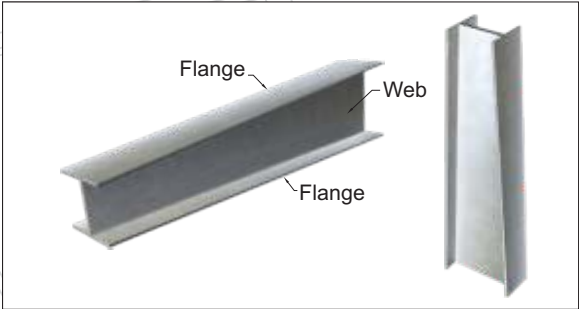
Nirani sugars, Mudhol-Karnataka



JSW Energy Ltd. Tornagallu, Karnataka

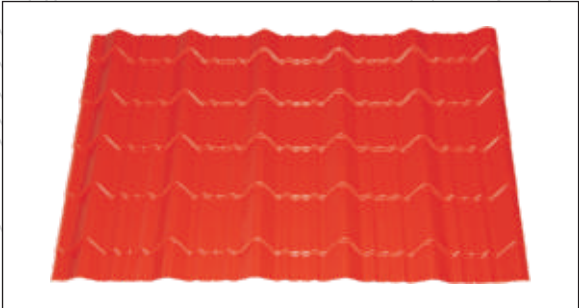


# Product Range at a Glance

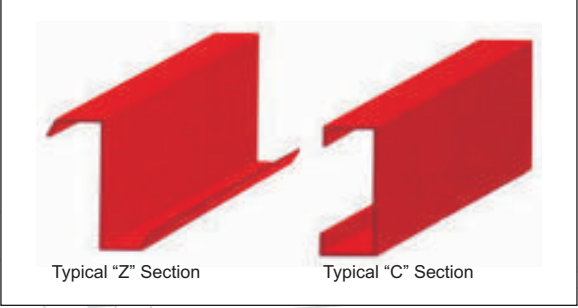


MP - Profiled Ridge

MP - Curved Sheets



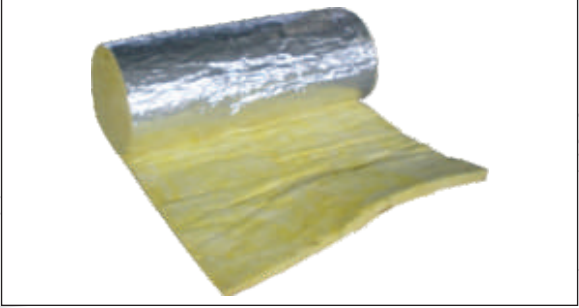
MP - Wave Tile Sheets



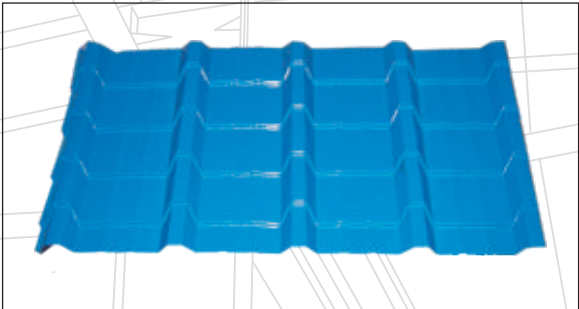
MP - Purlins



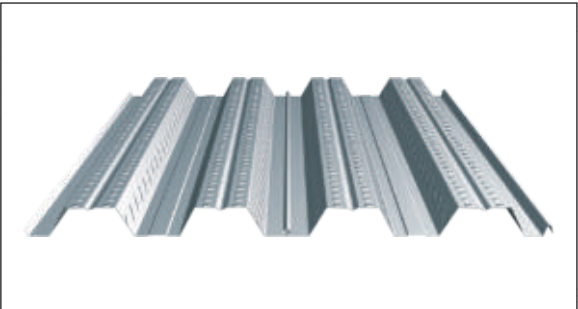
MP - DayLite Sheets



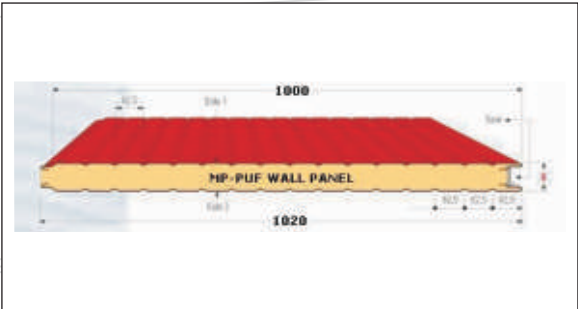
Insulation



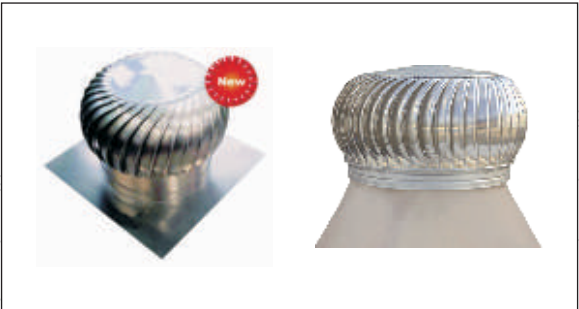
MP - 1020 Tile Sheets



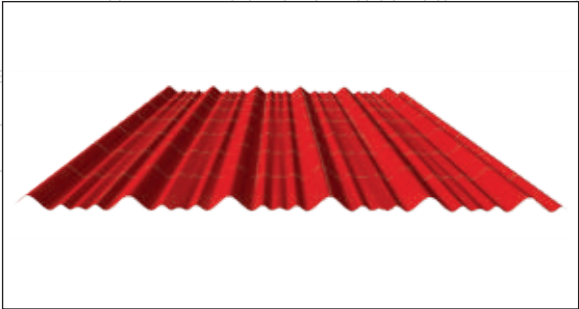
MP - Steel Deck



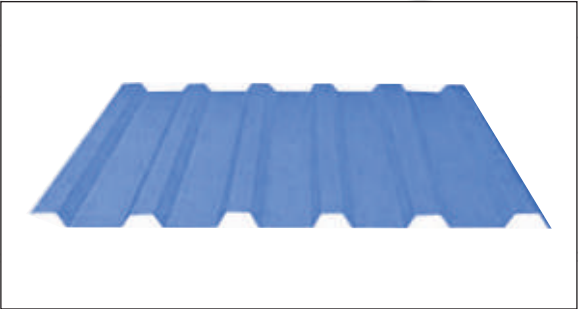
MP Wall Panels



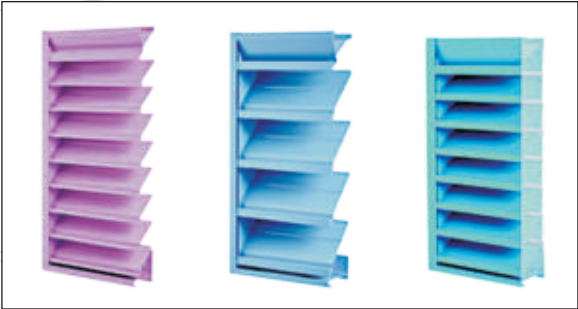
MP Roof Vents



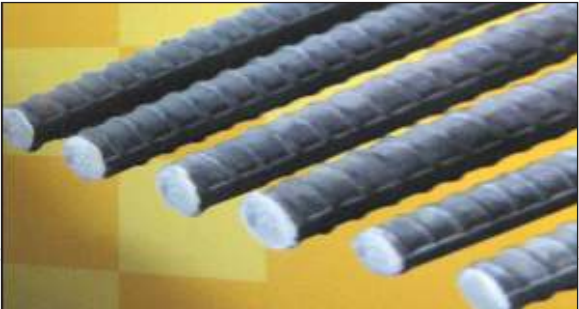
MP - Wave Profiled Sheets



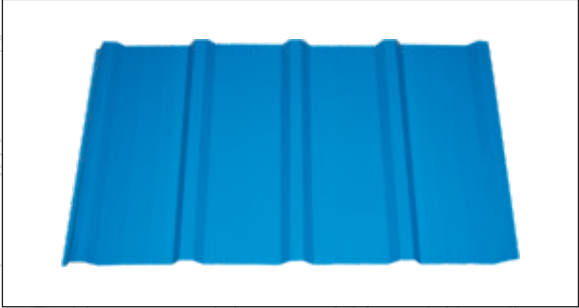
MP - 980 Profiled Sheets



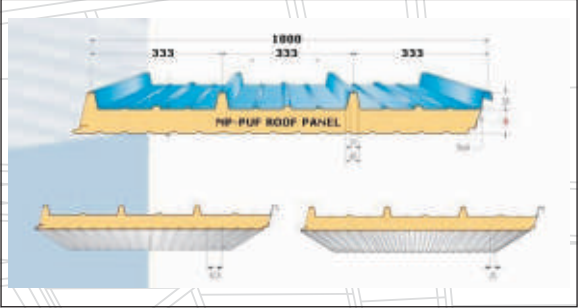
MP Louvers



TMT Bar



MP - 1020 Profiled Sheets



MP - Insulated Panel



Solar Panel Mounting Systems



## About PEB's

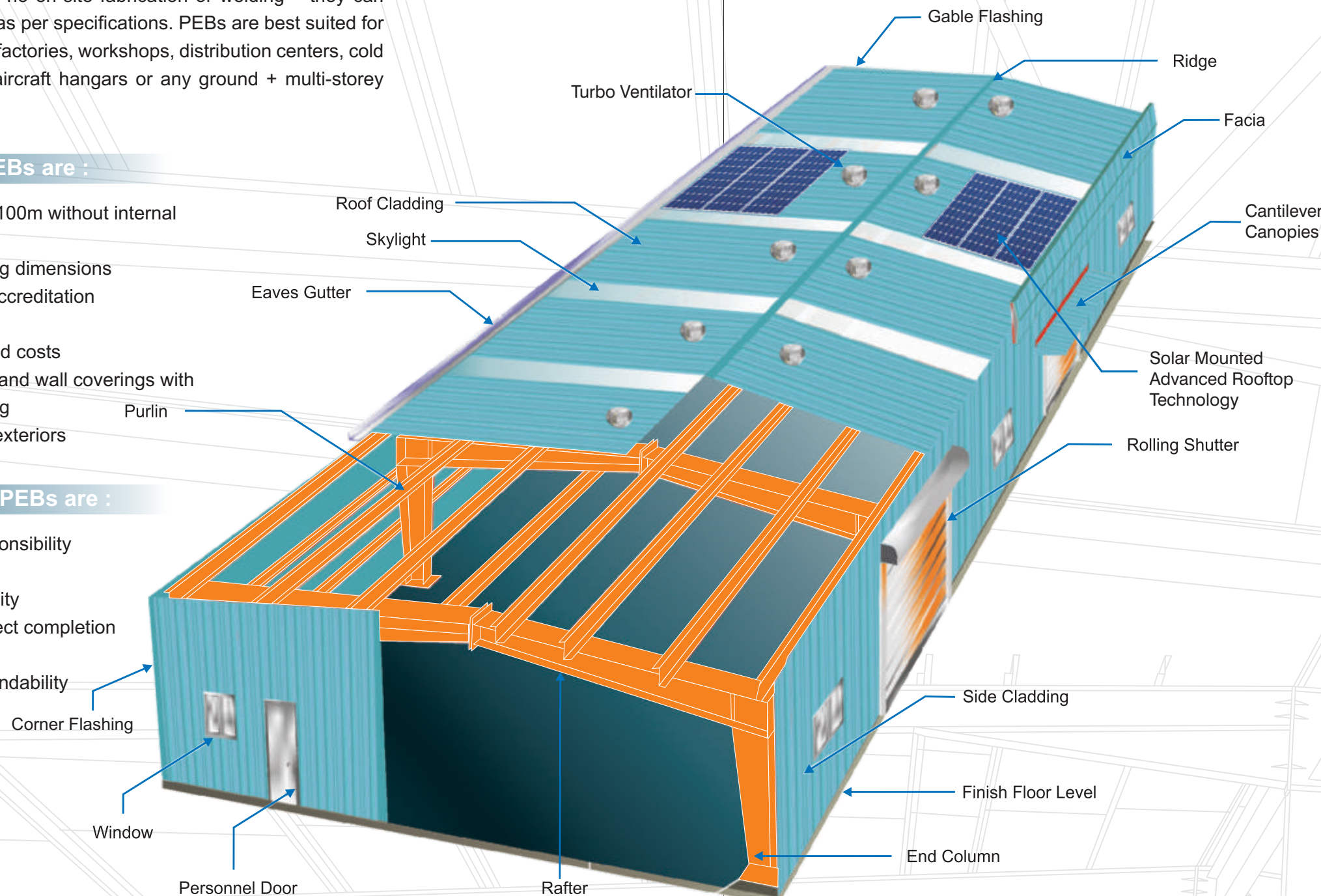
Pre-engineered buildings are the state-of-the-art steel solution to developing an efficient and cost-effective infrastructure. PEB's offer ultimate design flexibility and an extremely short construction time (right from initial design to completion). They are supplied as a fully finished product along with steel structure, roofing, cladding and building accessories. They require no on-site fabrication or welding – they can simply be bolted together as per specifications. PEBs are best suited for warehouses, sports halls, factories, workshops, distribution centers, cold storages, supermarkets, aircraft hangars or any ground + multi-storey construction.

## Strengths of MPIL PEBs are :

- Clear spans up to 100m without internal columns
- Flexibility in building dimensions
- ISO 9001 quality accreditation
- Easy expansion
- Fixed deadlines and costs
- Weather-tight roof and wall coverings with accessories for long maintenance free exteriors

## Advantages of MPIL PEBs are :

- Single source responsibility
- Low initial cost
- Engineering flexibility
- Faster overall project completion
- Low maintenance
- Fast modular expandability



## PEBs are the SMART way forward

### WHY PEBs are more efficient than conventional RCC/concrete buildings:

- PEBs take HALF the construction time.
- Usability of the building can be started earlier enabling faster ROI (Return on Investment).
- Design flexibility and completely customizable in shape, cost and use
- Superior aesthetic value, better rain water drainage and connect to RCC structure.
- Savings in costs of civil work. PEBs are lighter in weight thereby requiring lesser civil work
- No site fabrication required. Site work is minimized and largely hassle-free
- Vertical clearance from the floor can increase significantly, (from eaves to ridge) creating more volumetric parameter
- PEB can be dismantled, at ease and can be re-erected at a totally different location.
- Entire gamut of activities starting from inception to completion are being undertaken by a single entity resulting in efficient project control.

# Structural Frame

Multicolor Pre-engineered buildings are custom designed to meet your exact requirements. The basic defining parameters are:

## Building Width :

No matter what primary framing system is used, this is defined as distance from the outside of Main Framed Column of one side wall to the outside of Main Framed Column of the opposite side wall.

## Building Length:

It is the distance between the outside line of one side Gable End Column (End Wall Column) to the outside line of Gable End Column (End Wall Column) of the opposite side. Any length is possible.

## Building Height :

It is the eave height which usually is the distance from the bottom of the main framed column base

plate to the top cap plate of the main framed column. When the columns are elevated from finished floor level, the building height is the distance from finished floor level to the top of cap plate of the main framed column.

## Bay Spacing:

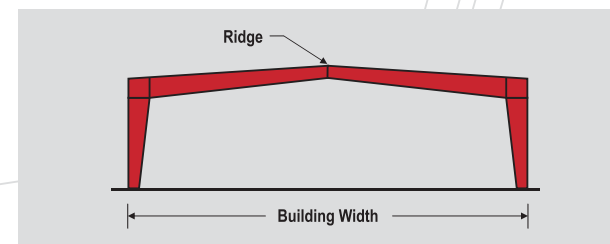
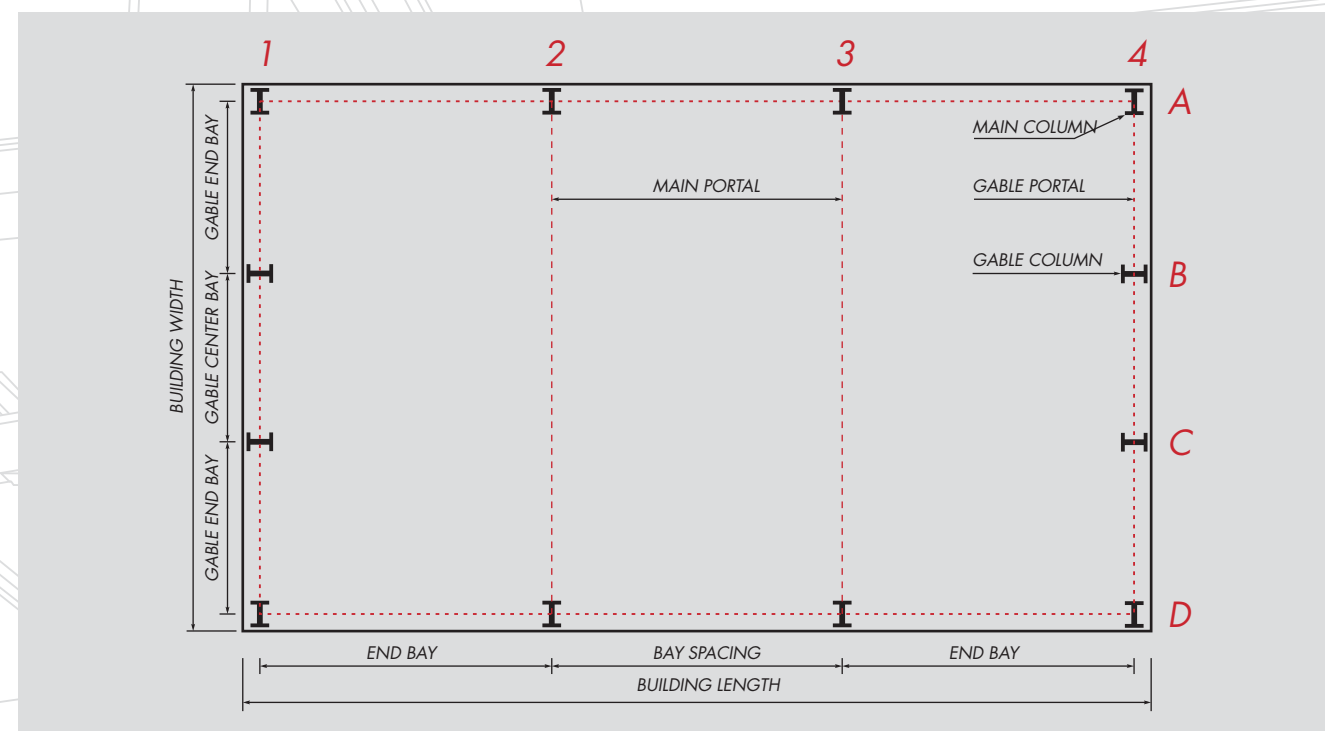
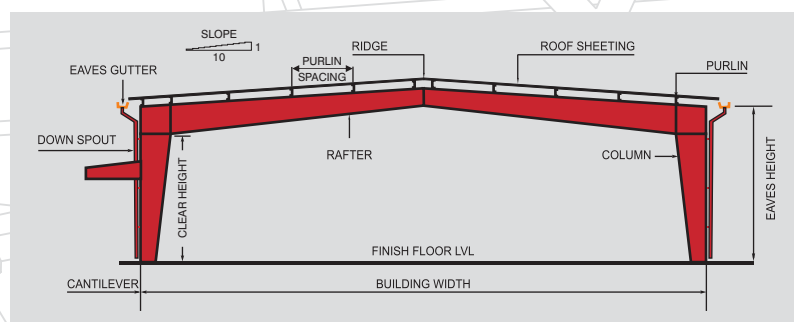
This is the distance between the centerline of two adjacent interior main framed columns.

## Roof Slope:

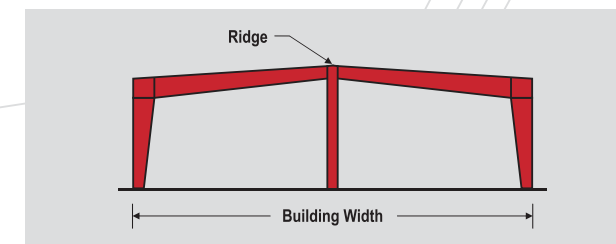
This is angle of roof with respect to the horizontal. The most common roof slope is 1:10. Any practical roof slope is possible.

## Clear Height:

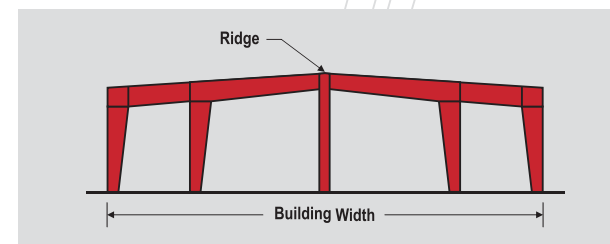
This is the distance between the Finished Floor Level to the bottom of knee joint.



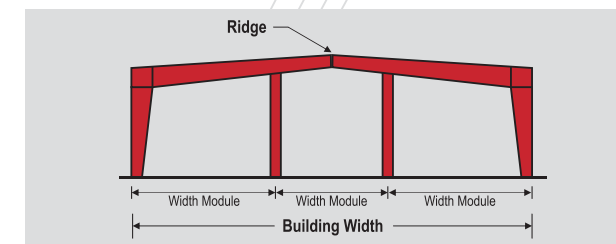
Clear Span



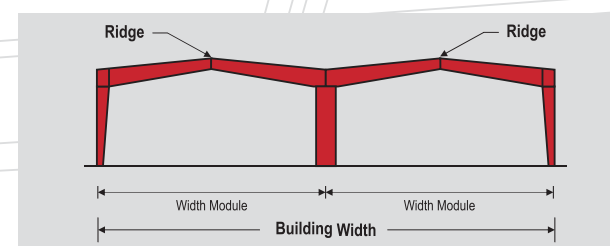
Multi Span "1"



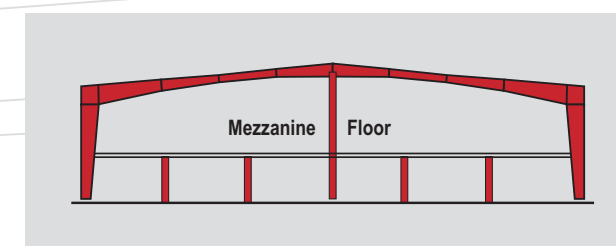
Multi Span "3"



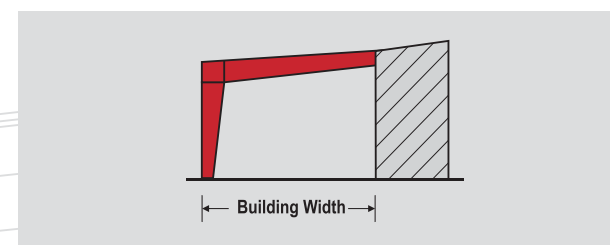
Multi Span "2"



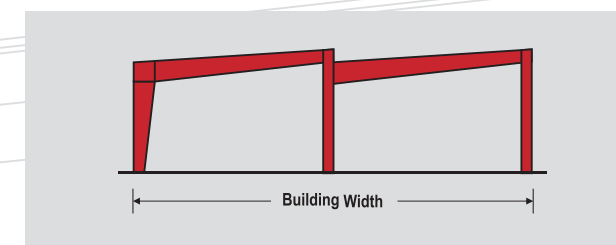
Multi Gable



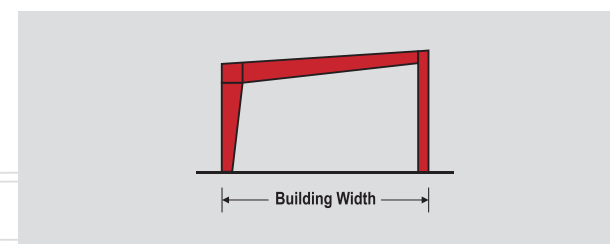
Mezzanine Floor



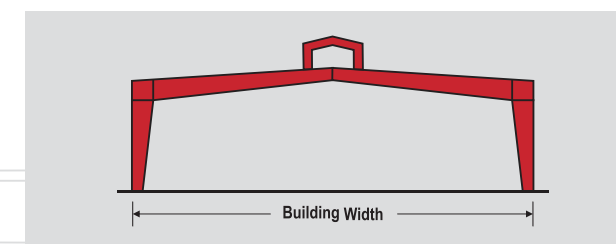
Lean To



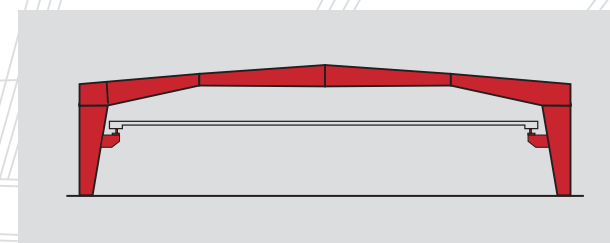
North Light



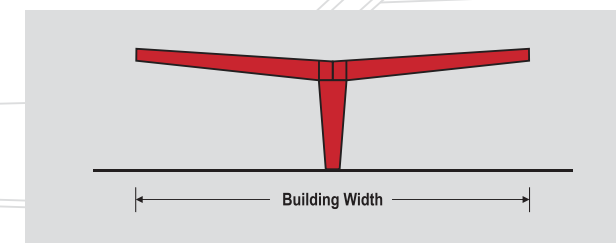
Mono Slope



Monitor Type



EOT Crane



Butterfly Canopy



## MPIL I/H Beams – Parallel Flange Sections

World over, parallel flange beams are the increasingly preferred standard for large constructions owing to their superior strength, cost-savings, enhanced durability, and higher load-bearing capacity. MPIL beams are now the most sought after primary sections recommended by structural engineers, architects and construction companies throughout India.



### Applications

Multi-storey buildings, bridges, flyovers, rail projects, power plants, refineries, airports and industrial sheds.

### Advantages of MPIL Plate Welded Beams

- Enhanced life cycle and durability.
- Time saving as manufactured on automatic online cutting and welding lines.
- Steel savings in excess of 20% as lower sectional weight beams can achieve higher load bearing capacity.
- Ideal for bolted or fabricated construction.
- Offer tremendous flexibility in design as beams are entirely custom-made.
- Shot blasted and painted; aesthetically superior.



### Product Specification

#### MPIL H/I Beams

- Flange width : 200mm to 1500mm
- Web thickness : 6mm to 60mm
- Plate thickness : 6mm to 60mm
- Length : Upto 12000mm without welding joint (can be made longer with welding joint)

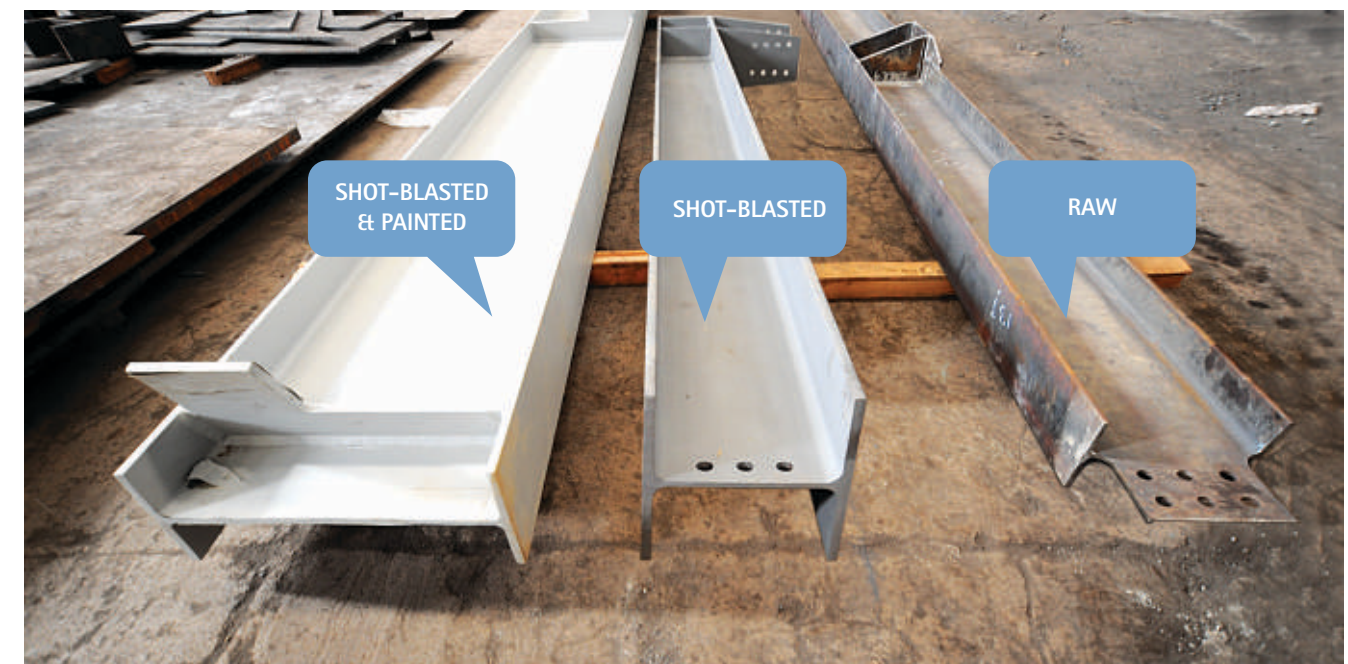
#### Steel Grade

- IS 2062: E250A, E250B, E300, E350, E410
- ASTM: A36, A572 Grade 50 Certifications
- MPIL sections are also certified by Indian Institute of Technology (IIT) Mumbai, Department of Structural Engineering.



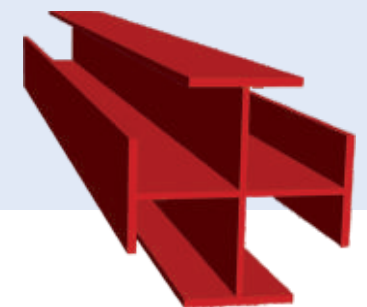
## Shot-blast & Painting

MPIL beams can be shot blasted, coated with red-oxide primer and enamel painted at the MPIL plant, before dispatch to client site.



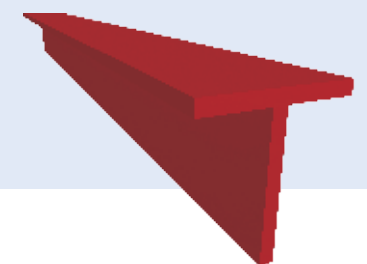
### MPIL Plus/Cross Beams

- Maximum weight per section can be 35 tons
- Maximum size per column can be 1200 x 1200mm
- Range of plate thickness can be 6mm to 60mm



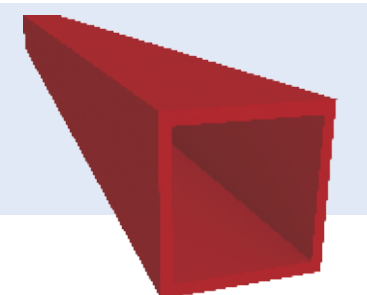
### MPIL T-Beams

- Flange width can be maximum of 1200mm
- Length upto 12 meters without welding joint

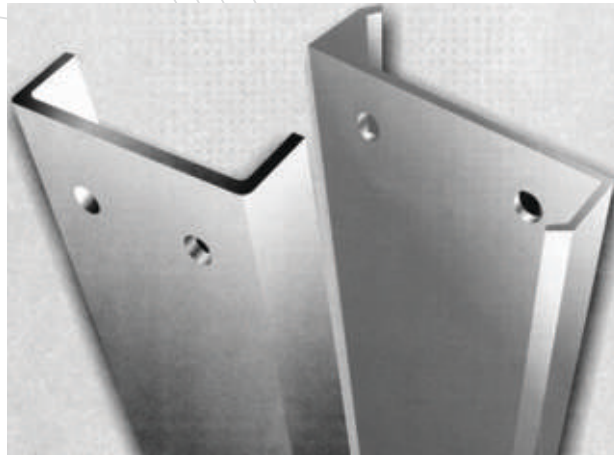


### MPIL Box Beams

- Width can be maximum of 1200mm to 1200mm
- Length upto 12 meters without welding joint



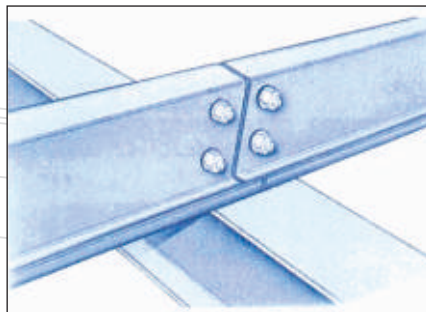




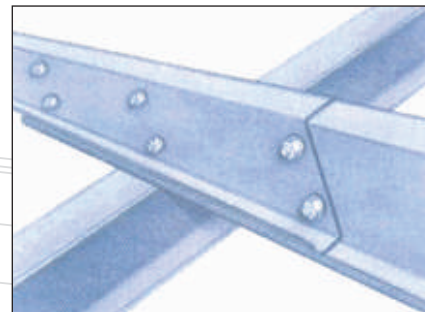
MP-Purlin

## MP-CEE and MP-ZED Purlins

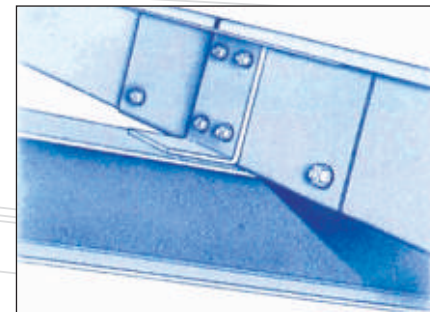
MP-CEE and MP-ZED Purlins are secondary members of steel structures which serve as the basic material of construction for fast-track projects. These purlins are characterized by high strength, yet low cost (as a result of the high strength to weight ratio). MP Purlins are supplied in required sizes and lengths with pre-punched holes for quick bolting.



Butt - Connection



Overlapping



Sleeve Connection

## Technical & Material Specifications

Thickness : 1.5mm to 3mm

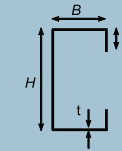
Length : Upto 12000mm

Material : CR Steel as per IS: 513/HR Steel as per IS:1079

Yield Strength: 245 MPa to 345 Mpa Type : Bare, Primer coated, Galvanized, Painted MP-CEE and MP-ZED purlins made of hot rolled coils are degreased, phosphated and then primer finished with Zinc Chromate Red-Oxide Pain-matching test requirement of IS:4777 and IS:2074. Special treatment to combat severe atmospheric corrosion can be offered. We also offer purlins in galvanized coated steel in 120 GSM/175 GSM/275 GSM coating as per customer requirement.

## Benefits of MPIL Purlins/Channels:

- High strength to weight ratio.
- Can be used for large spans
- Quick Installation.
- Economical.
- Better quality & finish.



C  $H \times B \times A \times t$

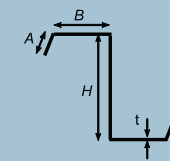
## Section - C

### STANDARD PURLIN SELECTION C- SECTION - Ys 245 Mpa

Span (m)	No of Sag Roads	Wind Load = 100 kg/m <sup>2</sup>	Wind Load = 150 kg/m <sup>2</sup>
3.00	-	C 100 x 45 x 15 x 1.6	C 100 x 50 x 15 x 2
3.50	-	C 100 x 50 x 15 x 2	C 120 x 60 x 15 x 2
4.00	-	C 120 x 50 x 15 x 2	C 140 x 60 x 15 x 2
4.50	1	C 140 x 60 x 15 x 2	C 160 x 70 x 20 x 2
5.00	1	C 160 x 60 x 20 x 2	C 200 x 70 x 20 x 2
5.50	1	C 180 x 60 x 20 x 2	C 200 x 70 x 20 x 2.5
6.00	1	C 200 x 70 x 20 x 2	C 200 x 80 x 20 x 2.5
6.50	2	C 200 x 80 x 20 x 2.5	C 220 x 80 x 20 x 2.5
7.00	2	C 200 x 80 x 20 x 2.5	C 220 x 80 x 20 x 3
7.50	2	C 200 x 80 x 20 x 2.8	C 250 x 80 x 20 x 2.8
8.00	2	C 200 x 80 x 20 x 3	C 300 x 80 x 20 x 2.5
8.50	2	C 220 x 80 x 20 x 3	C 300 x 70 x 20 x 3
9.00	3	C 220 x 100 x 20 x 3	
9.50	3	C 220 x 80 x 20 x 3	
10.00	3	C 220 x 80 x 20 x 3	

### STANDARD PURLIN SELECTION C- SECTION - Ys 345 Mpa

Span (m)	No of Sag Roads	Wind Load = 100 kg/m <sup>2</sup>	Wind Load = 150 kg/m <sup>2</sup>
3.00	-	C 100 x 45 x 15 x 1.6	C 100 x 45 x 15 x 1.6
3.50	-	C 100 x 50 x 15 x 1.6	C 100 x 50 x 15 x 2
4.00	-	C 100 x 50 x 15 x 2	C 120 x 50 x 15 x 2
4.50	1	C 120 x 50 x 15 x 2	C 140 x 50 x 15 x 2
5.00	1	C 140 x 50 x 15 x 2	C 160 x 60 x 20 x 2
5.00	1	C 150 x 60 x 20 x 2	C 180 x 60 x 20 x 2.5
6.00	1	C 160 x 70 x 20 x 2	C 200 x 70 x 20 x 2.5
6.50	2	C 180 x 60 x 20 x 2	C 200 x 80 x 20 x 2.5
7.00	2	C 200 x 70 x 20 x 2	C 200 x 80 x 20 x 2.5
7.50	2	C 200 x 80 x 20 x 2.5	C 200 x 80 x 20 x 3.8
8.00	2	C 200 x 80 x 20 x 2.5	C 220 x 80 x 20 x 3.5
8.50	2	C 200 x 80 x 20 x 3	C 250 x 70 x 20 x 2.8
9.00	3	C 220 x 80 x 20 x 3	C 250 x 80 x 20 x 3
9.50	3	C 220 x 80 x 20 x 3	C 300 x 80 x 20 x 2.5
10.00	3	C 220 x 80 x 20 x 3	C 300 x 80 x 20 x 2.8



Z  $H \times B \times A \times t$

## Section - Z

### STANDARD PURLIN SELECTION Z - SECTION - Ys 245 Mpa

Span (m)	No of Sag Roads	Wind Load = 100 kg/m <sup>2</sup>	Wind Load = 150 kg/m <sup>2</sup>
3.00	-	Z 100 x 45 x 15 x1.6	Z 100 x 50 x 15 x 2
3.50	-	Z 100 x 50 x 15 x 2	Z 120 x 60 x 15 x 2
4.00	-	Z 120 x 50 x 15 x 2	Z 140 x 60 x 15 x 2
4.50	1	Z 140 x 60 x 15 x 2	Z 160 x 70 x 20 x 2
5.00	1	Z 160 x 60 x 20 x 2	Z 200 x 70 x 20 x 2
5.50	1	Z 180 x 60 x 20 x 2	Z 200 x 70 x 20 x 2.5
6.00	1	Z 200 x 70 x 20 x 2	Z 200 x 80 x 20 x 2.5
6.50	2	Z 200 x 80 x 20 x 2.5	Z 220 x 80 x 20 x 2.5
7.00	2	Z 200 x 80 x 20 x 2.5	Z 220 x 80 x 20 x 3
7.50	2	Z 200 x 80 x 20 x 2.8	Z 250 x 80 x 20 x 2.8
8.00	2	Z 200 x 80 x 20 x 3	Z 300 x 80 x 20 x 2.5
8.50	2	Z 220 x 80 x 20 x 3	Z 300 x 70 x 20 x 3
9.00	3	Z 220 x 100 x 20 x 3	
9.50	3	Z 250 x 100 x 20 x 3	
10.00	3		

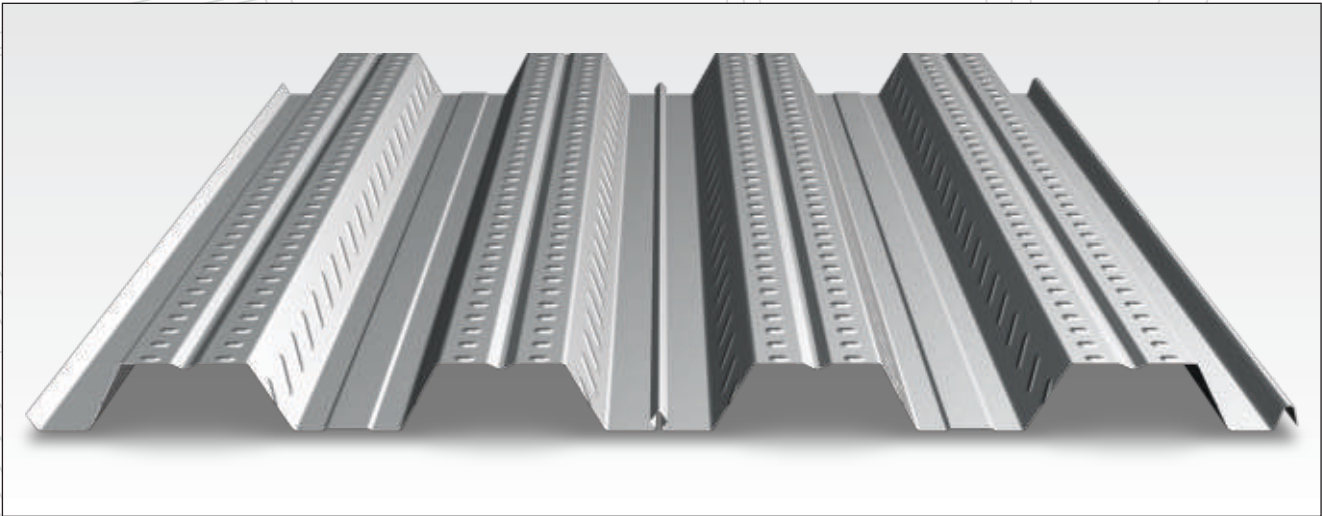
### STANDARD PURLIN SELECTION Z - SECTION - Ys 345 Mpa

Span (m)	No of Sag Roads	Wind Load = 100 kg/m <sup>2</sup>	Wind Load = 150 kg/m <sup>2</sup>
3.00	-	C 100 x 45 x 15 x 1.6	Z 100 x 45 x 15 x 1.6
3.50	-	C 100 x 50 x 15 x 1.6	Z 100 x 50 x 15 x 2
4.00	-	Z 100 x 50 x 15 x 2	Z 120 x 50 x 15 x 2
4.50	1	Z 120 x 50 x 15 x 2	Z 140 x 50 x 15 x 2
5.00	1	Z 140 x 50 x 15 x 2	Z 160 x 60 x 20 x 2
5.50	1	Z 150 x 60 x 20 x 2	Z 180 x 60 x 20 x 2
6.00	1	Z 160 x 70 x 20 x 2	Z 200 x 70 x 20 x 2
6.50	2	Z 180 x 60 x 20 x 2	Z 200 x 80 x 20 x 2.5
7.00	2	Z 200 x 70 x 20 x 2	Z 200 x 80 x 20 x 2.5
7.50	2	Z 200 x 80 x 20 x 2.5	Z 200 x 80 x 20 x 3
8.00	2	Z 200 x 80 x 20 x 2.5	Z 220 x 80 x 20 x 3
8.50	2	Z 200 x 80 x 20 x 3	Z 250 x 70 x 20 x 2.8
9.00	3	Z 220 x 80 x 20 x 3	Z 250 x 80 x 20 x 3
9.50	3	Z 220 x 80 x 20 x 3	
10.00	3	Z 220 x 80 x 20 x 3	

\*Data is approved and certified by IIT, Mumbai



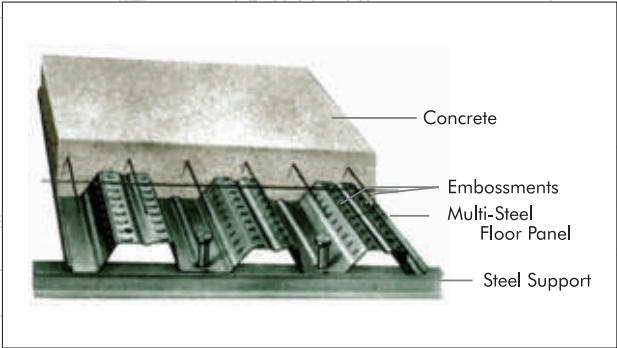
# MP - Steel Deck



## MP-Steel Deck

MP-Steel Deck is a type of steel decking profile - one of its kind in India - at par with international standards of steel design and strength. This decking profile can be used as a composite floor system or as a permanent form work. It binds

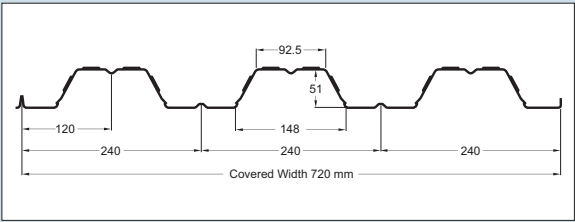
with concrete slab and together forms a part of the floor structure. The interlocking between the concrete and the floor deck occurs by a system of embossment and ribs that are built into the deck, creating a reinforced concert slab. This fast and simple installation using high strength product, gives immediate access to a working platform of permanent form and positive reinforcement.



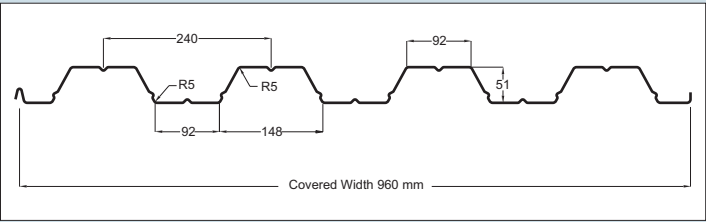
## Advantage of MP-Steel Deck

- Light Weight - reduces weight of concrete floor by almost 50%
- Economical - does not require additional support; reduces use of concrete; reduces slab thickness; savings in reinforcement steel
- Time Saving - easy and rapid installation; no major reinforcement required
- Multi-faceted - flooring, roofing or cladding, temporary or permanent shuttering, working platform during construction
- Multi-use - widely used in multiple-storey buildings, shopping malls, super markets, storage facilities, mezzanines, bridges, walkways, platforms, warehouses, industrial sheds, control rooms
- Aesthetic appeal - Offers internal polished look; available in every of colors; no need for internal plastering of roofs

Decking MP - 720



Decking MP - 960



## Physical Properties

SN	t (mm)	Area (mm <sup>2</sup> )	Weight (kg/m <sup>2</sup> )	1xx(cm <sup>4</sup> )	Zxx (cm <sup>3</sup> )
1	0.60	6.37	6.6	25.63	10.05
2	0.63	6.69	6.9	26.91	10.55
3	0.80	8.50	8.8	34.18	13.40
4	1.00	10.62	11.00	42.72	16.75
5	1.25	13.28	13.7	53.40	20.94
6	1.60	16.99	17.5	68.35	26.81
7	2.00	21.24	22.00	85.44	33.51

## Allowable Load (kg/m<sup>2</sup>): Yield Stress of Material = 2400 kg/cm<sup>2</sup>

SN	t (mm)	Span (m)											
		1	1.2	1.4	1.5	1.6	1.75	2	2.5	3	3.5	4	
1	0.60	2657	1845	1355	1181	1038	867	664	425	270	170	114	
2	0.63	2790	1937	1423	1240	1090	911	697	446	283	179	120	
3	0.80	3542	2460	1807	1574	1384	1157	886	567	360	227	152	
4	1.00	4428	3075	2259	1968	1730	1446	1107	708	450	283	190	
5	1.25	5535	3844	2824	2460	2162	1807	1384	886	562	354	237	
6	1.60	7084	4920	3615	3149	2767	2313	1771	1134	720	453	304	
7	2.00	8856	6150	4518	3936	3459	2892	2214	1417	900	567	380	

## Allowable Load (kg/m<sup>2</sup>): Yield Stress of Material = 3400 kg/cm<sup>2</sup>

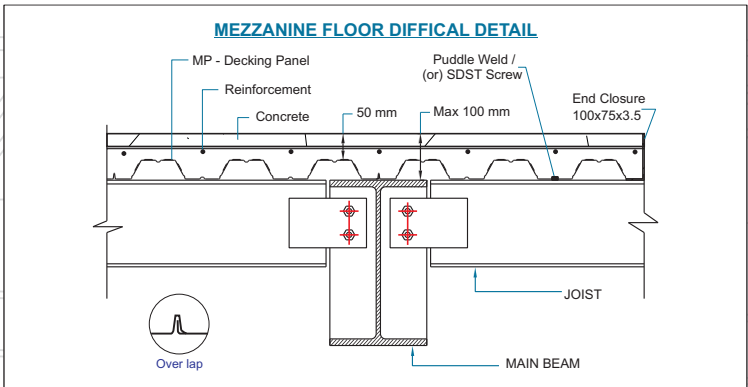
SN	t (mm)	Span (m)										
		1	1.2	1.4	1.5	1.6	1.75	2	2.5	3	3.5	4
1	0.60	3759	2611	1918	1671	1469	1228	911	467	270	170	114
2	0.63	3947	2741	2014	1754	1542	1289	957	490	283	179	120
3	0.80	5013	3481	2557	2228	1958	1637	1215	622	360	227	152
4	1.00	6266	4351	3197	2785	2448	2046	1519	778	450	283	190
5	1.25	7832	5439	3996	3481	3059	2557	1898	972	562	354	237
6	1.60	10025	6962	5115	4456	3916	3274	2430	1244	720	453	304
7	2.00	12531	8702	6394	5570	4895	4092	3037	1555	900	567	380

Young's Modulus = 200 GPa.

Deflection Limit = Span/150 (IS 800 - 2007).

The sheets should span over minimum four supports.

The load shall be multiplied by 0.80 if the sheets are spanning over 2 or 3 supports.

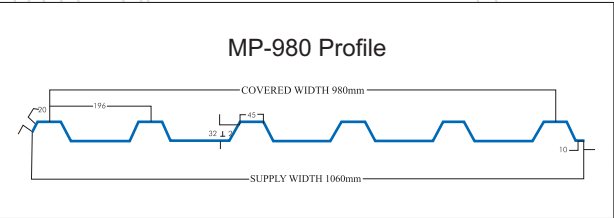
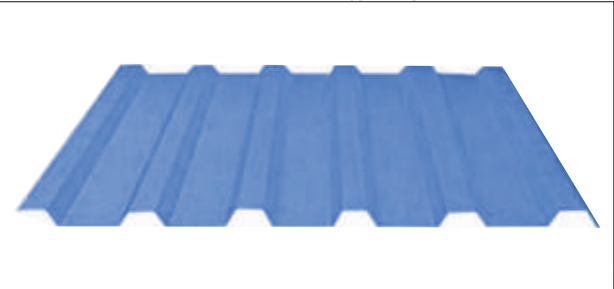


\*Data is approved and certified by IIT, Mumbai



MP-980

MP-980 is the superior, world-class, finest roofing and cladding profile in India for all span horizontal and vertical applications Our fully automatic high speed MP-980 roll forming line with hydraulic controls, offers superior quality product.



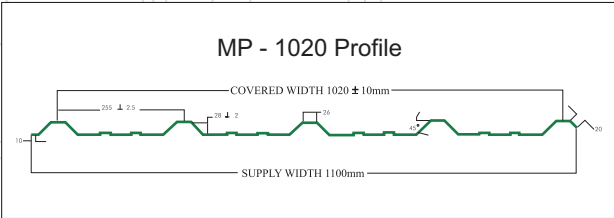
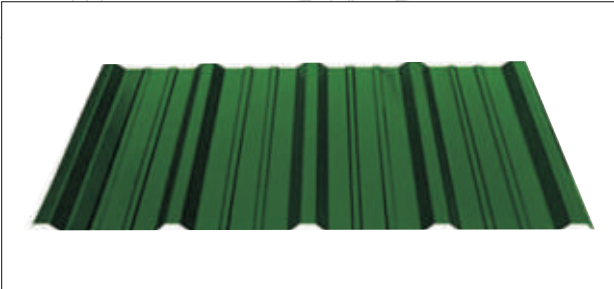
TECHNICAL SPECIFICATION	
Covered Width	980 mm
Supply Width	1060 mm
Pitch	196 mm
Crest Height	32±2 mm
Crest Width	45 mm
Lip	10 mm

LOAD CHART				
Design Thickness of Profile - MP-980				
Design Thickness: 0.35, 0.42, 0.45, 0.47,0.5,0.55,0.6,0.8 & 1 mm				
Span (m)	Yield Stress = 2400 kg/cm2		Yield Stress = 3400 Kg/cm2	
	Wind Load = 100 kg/m2	Wind Load = 150 kg/m2	Wind Load = 100 kg/m2	Wind Load = 150 kg/m2
0.9	0.35	0.35	0.35	0.35
1	0.35	0.35	0.35	0.35
1.1	0.35	0.35	0.45	0.45
1.2	0.45	0.45	0.45	0.45
1.4	0.45	0.45	0.45	0.45
1.5	0.5	0.5	0.5	0.5
1.6	0.5	0.6	0.5	0.6
1.8	0.5	0.6	0.5	0.6
2.0	0.6	0.8	0.6	0.8
2.25	0.8	1.0	0.8	1.0
2.5	1.0	1.0	1.0	1.0

Young's Modulus = 200 Gpa. • Deflection Limit = Span/150 (IS 800 - 2007)  
The sheet should span over minimum 3 supports.

MP - 1020

MP-1020 is a light weight wide span trapezoidal shaped roofing profile desinged for economical application which gives aesthetical solution to all you needs. This profile is also available in tile form.

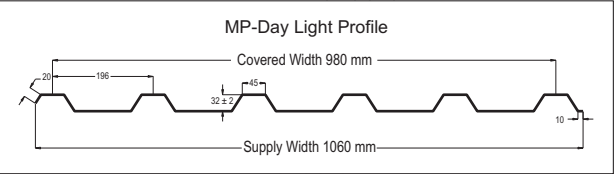


TECHNICAL SPECIFICATION	
Covered Width	1020 mm
Supply Width	1060 mm
Pitch	255 ± 2.5 mm
Crest Height	28 ± 2 mm
Crest Width	26 mm
Lip	10 mm

LOAD CHART				
Design Thickness of Profile - MP-1020				
Design Thickness: 0.35, 0.42, 0.45, 0.47,0.5,0.55,0.6,0.8 & 1 mm				
Span (m)	Yield Stress = 2400 kg/cm2		Yield Stress = 3400 Kg/cm2	
	Wind Load = 100 kg/m2	Wind Load = 150 kg/m2	Wind Load = 100 kg/m2	Wind Load = 150 kg/m2
0.9	0.35	0.35	0.35	0.35
1	0.35	0.45	0.35	0.45
1.1	0.45	0.45	0.45	0.45
1.2	0.45	0.5	0.45	0.5
1.4	0.45	0.5	0.45	0.5
1.5	0.5	0.5	0.5	0.5
1.6	0.6	0.8	0.6	0.8
1.8	0.8	1.0	0.8	1.0
2.0	1.0	-	1.0	-

Young's Modulus = 200 Gpa. • Deflection Limit = Span/150 (IS 800 - 2007)  
The sheet should span over minimum 3 supports.

MP - Day Light Sheet

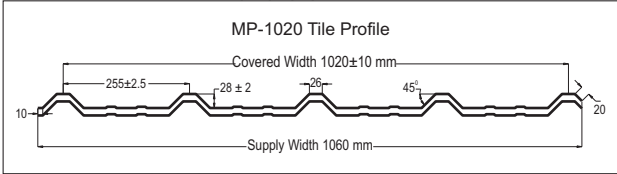
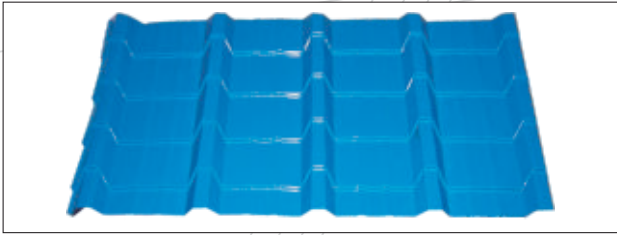


TECHNICAL SPECIFICATION	
Covered Width	980 mm
Supply Width	1060 mm
Pitch	196 mm
Crest Height	32 ± 2 mm
Crest Width	45 mm
Lip	10 mm

MP - Curved Sheets




MP - 1020 Tile




TECHNICAL SPECIFICATION	
Covered Width	1020 mm
Supply Width	1060 mm
Pitch	255 ± 2.5 mm
Crest Height	28 ± 2 mm
Crest Width	26 mm
Lip	10 mm

Profile Ridge

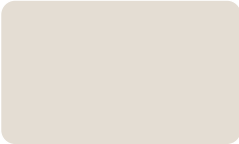





Light Blue




Brick Red



Off White

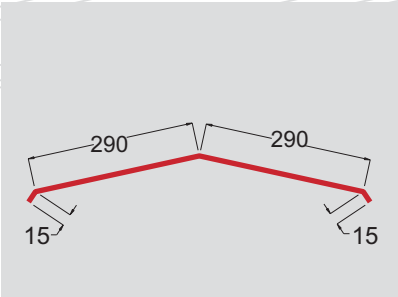


Bare Galvalume

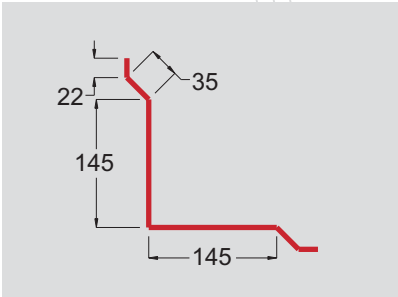


Environment Green

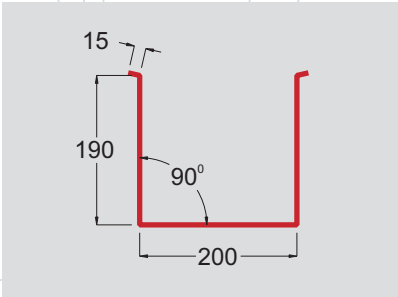




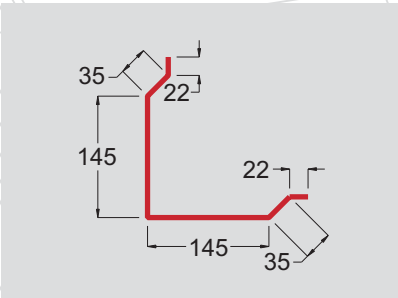
Ridge



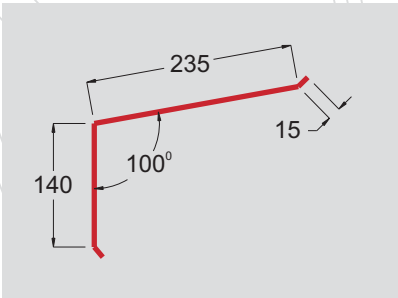
Internal Corner Flashing



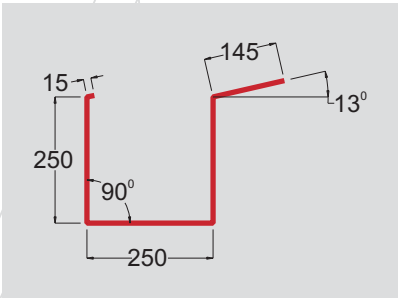
Box Gutter



Corner Flashing



Eave Trim



Eave Gutter

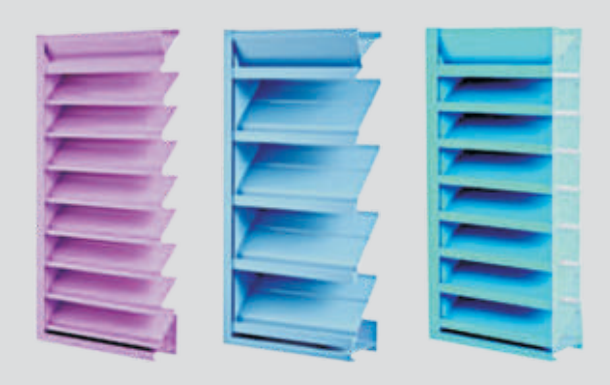
## MP Roof Vents



## Skylight for Roofs



## MP-Louvers



Fixed Louvers

## Sliding Doors



## Building Accessories



Rod Bracings



Foundation Bolts



Sag Rods



Angle Flange



High Tensile Nuts and Bolts

## MP Steel Cabins

MP-Steel Cabins are modular, relocatable or fixed steel cabins/buildings/structures which are made of pre-coated steel sheets and thermally insulated panels. They have the strength of steel, the aesthetic appeal of modern construction, as well as the cost effectiveness of signature MPIL steel structures. MP-Steel Cabins are light weight and light weight and have very effective heat and sound insulation.



200 cabins supplied to JSW Steel Limited





Some of Our Prestigious Client

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Afcons Infrastructures Ltd. (Chennai)

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IVRCL Infrastructures & Projects Ltd. (Pune)

J Kumar Infraprojects Ltd. (Navi Mumbai)

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Jindal Steel and Power Ltd. (Angul, Raigarh, Raipur, Patratu)

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Marathon Futurex Pvt. Ltd. (Mafatlal Group-Mumbai)

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