



**MRB PEB STRUCTURE
PVT LTD**



BUSINESS BROCHURE

ABOUT US

MRB PEB STRUCTURE PVT LTD is a leading PEB(Pre-Engineered Buildings) solutions company that has its Regd Office in Viluppuram, Branch Office in Chennai and Fabrication Unit in Pondicherry & Villupuram,TN.With Sales and Service operations across India,MRB has marquee clients in all the regions of the country. Our customers include global technology leaders and consulting companies that see the value in our products and services. MRB today has the advantage of being part of brands that has a strong track record in product quality and reliability over 20 years.



OUR VISION

To be a leader in the development of sustainable and innovative mechanical engineering solutions that address the evolving needs of our customers and contribute to a better world



OUR MISSION

To use our expertise in mechanical engineering to design and develop high-quality products and building solutions that meet the needs of our customers, while striving for continuous improvement and innovation

ABOUT MRB



MRB is one of the growing PEB and General Steel Structure makers from Tamil Nadu.



MRB known for its premium quality, and it aims to offer cost effective solution to customer across the country.



MRB specializes in Design, Structural Steel Fabrication, Supply & Erection of PEB and ensuring timely handover of the projects



MRB have many prestigious Pre-Engineered Buildings projects accomplished to the complete satisfaction of our clients,



MRB products spread across the vast expanse of our country.

APPLICATION



Factories



Railway Stations



Warehouses



Malls & Super Markets



Multi Storey Buildings



Commercial Showrooms



High Rise Buildings



Office Buildings



Sports Complex



Parking Sheds

OUR FACILITIES



PTW MACHINE (PULL THROUGH WELDING)

Up to 24 Meter Length

High-precision welding for structural integrity



CNC CUTTING MACHINE

Accurate and efficient metal cutting

Ideal for customized structural fabrication

WHY CHOOSE US?



20 Years of experience in Sales,
Marketing, Design & Manufacturing
& Customer Excellence



200+ Multinationals Clients,
Govt Organizations and
more than 1000 Transactions
with Happy Customers



Sales & Marketing branches
across the country and
fabrication units,
Warehouses across state



Easy Future Expansion



Seismic & Wind
Resistance



PEB Can be
Dismantled &
Reused



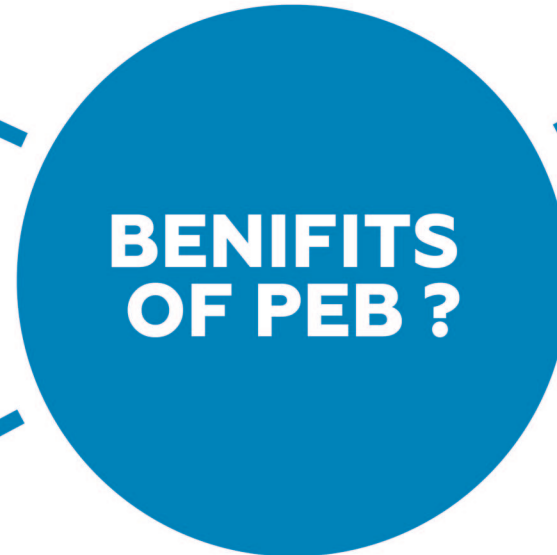
Less Cost Than Civil
Construction



Quick Delivery &
Construction

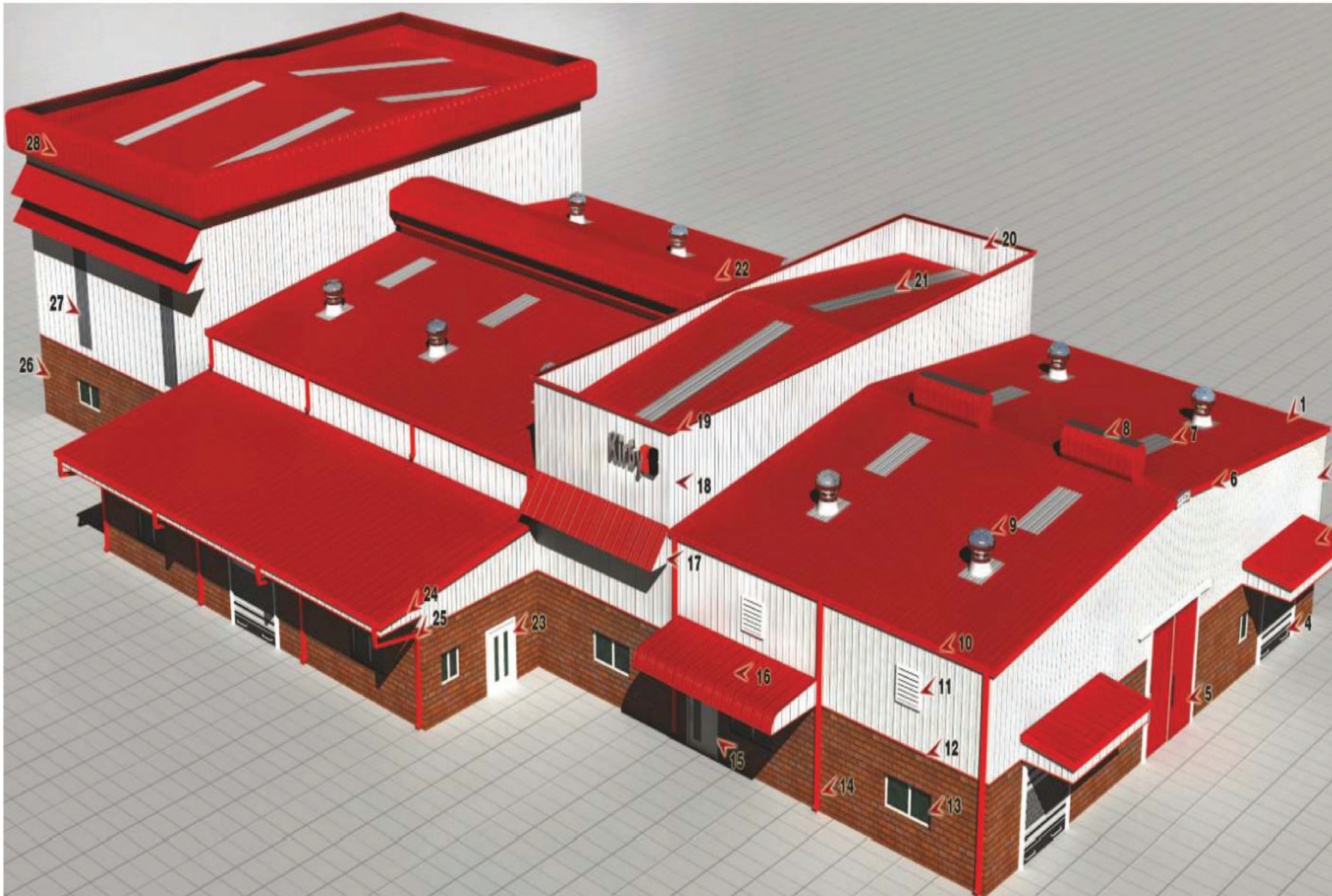


Voluminous
Space



BENIFITS OF PEB ?

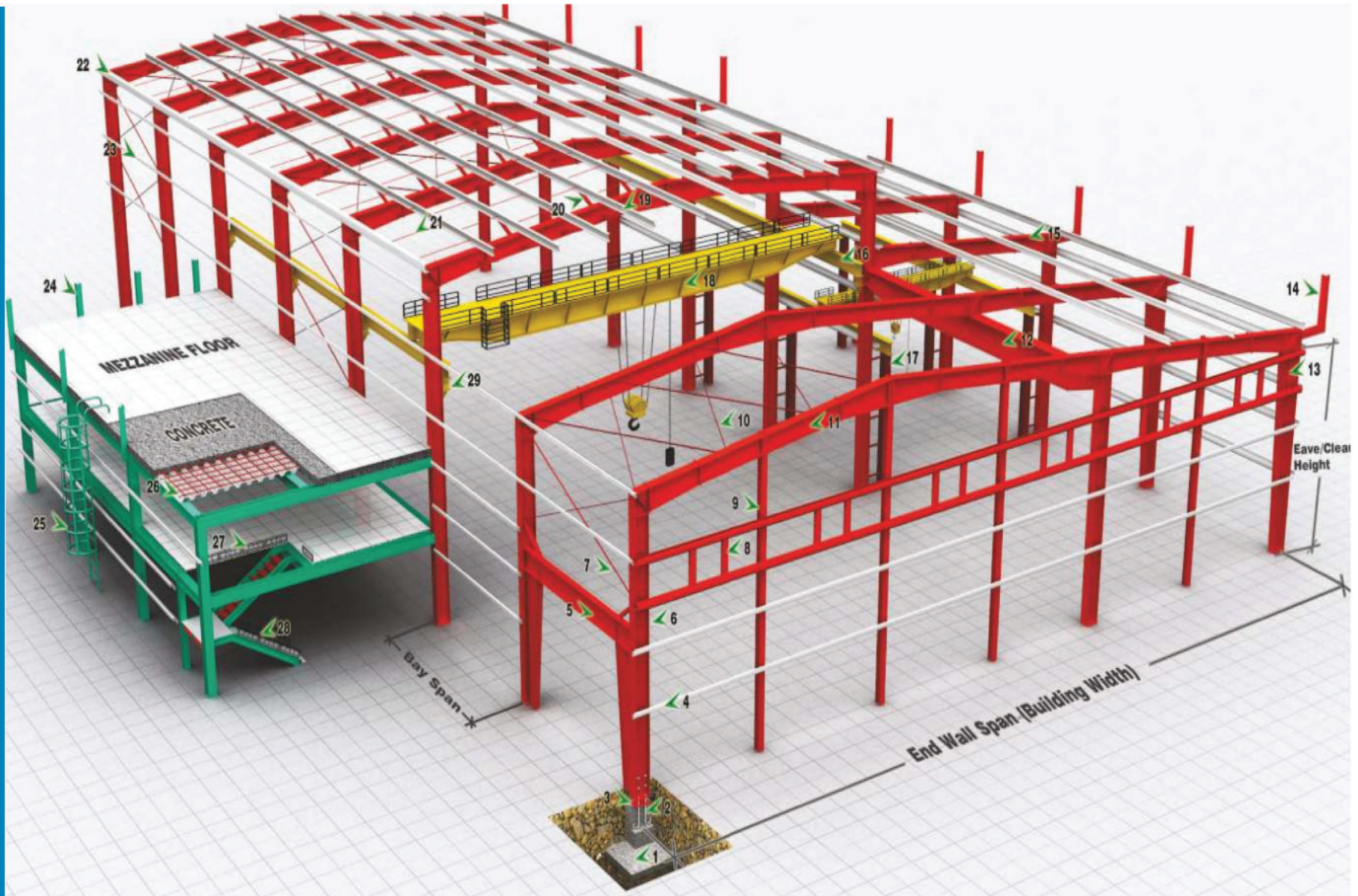
PREFABRICATED STEEL STRUCTURE



- 1.Roof Panel
- 2.Wall Panel
- 3.Canopy
- 4.Roll Up Door
- 5.Double Slide Door
- 6.Rake Trim
- 7.Sky Light
- 8.Ridge Ventilator
- 9.Power Ventilator
- 10.Eave Gutter
- 11.Louver With Bird Mesh
- 12.Masonry Trim
- 13.Window With Insect Screen
- 14.Downspout
- 15.Single Walk Door
- 16.Curved Eave
- 17.Sandfrap Louver
- 18.Corner Trim
- 19.Eave Trim
- 20.Flush Fascia
- 21.Strip Skylight
- 22.Roof Monitor
- 23.Double Walk Door
- 24.Roof Extension
- 25.Return Downspout
- 26.Brick Wall
- 27.Wall Light
- 28.Curved Cantilever Fascia

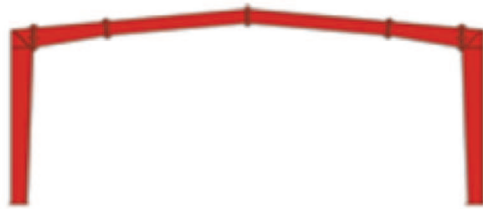
PREFABRICATED STEEL STRUCTURE

1. Concrete Footing
2. Anchor Bolts
3. Base Plate
4. End Wall Girt
5. Portal Bracing
6. Main Frame Column
7. Wall Bracing
8. Framed Opening
9. End Wall Wind Column
10. Roof Bracing
11. Main Frame Rafter
12. Jack Beam
13. Window With Insect Screen
14. Cantilevered Fascia Frame
15. Lean to Frame
16. Crane Beam
17. Crane Column
18. EOT Crane
19. Roof Purlin
20. Flange Brace
21. Sag Rod
22. Eave Strut
23. Side Wall Girt
24. Flush Fascia Frame
25. Cage Ladder
26. Deck Panel
27. Hand Rail
28. Stair Case
29. Crane Bracket



BASIC FRAMING SYSTEMS (PRIMARY MEMBERS)

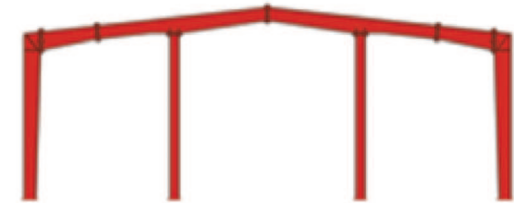
Primary members are the main load carrying and support members of Pre-Engineered Building. The Main frame members include Columns, Rafters and other supporting members. The shape and size of these members vary based on the application and requirements. The frame is erected by bolting the end plates of connecting sections together



Clear Span (CS)



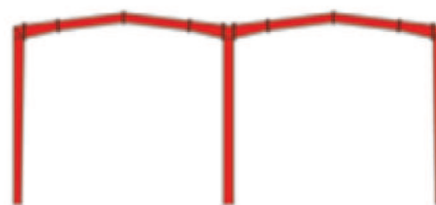
Multi Span "1" (MS-1)



Multi Span "2" (MS-2)



Multi Span "3" (MS-3)



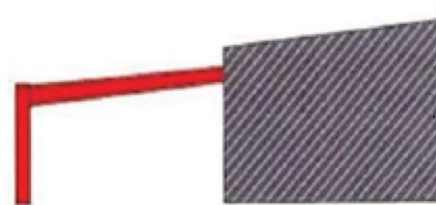
Multi Gable (MG)



Single Slope (SS)



Roof System (RS)



Lean To (LT)

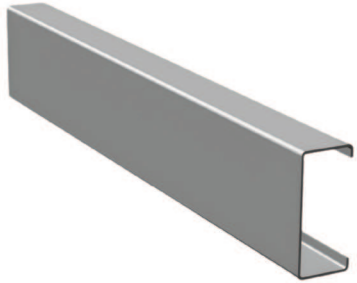


Arched Span (AS)

BASIC FRAMING SYSTEMS (SECONDARY MEMBERS)

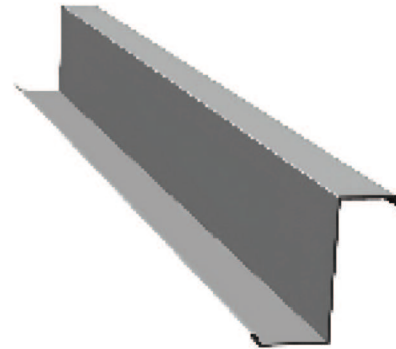
Secondary structural framing refers to purlins, girts, eave struts, wind bracing, flange bracing, base angles and other miscellaneous structural parts

C-SECTION



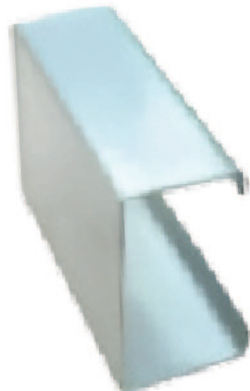
C-Sections are 200 mm deep with a 85 mm flange and 24 mm stiffening lip

PURLINS & GIRTS

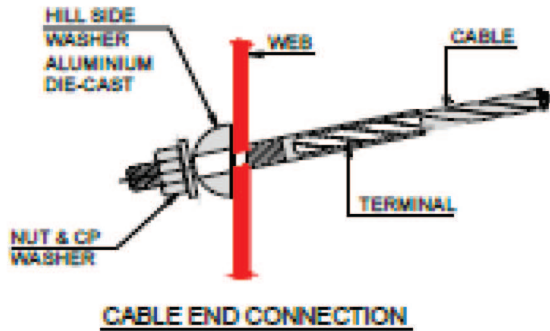


These are roll formed Z sections, 200 mm deep with 74 mm flanges with 16 mm stiffening lip

EAVE STRUT



Eave struts are 200 mm deep with a 104 mm wide top flange and 118 mm wide bottom flange

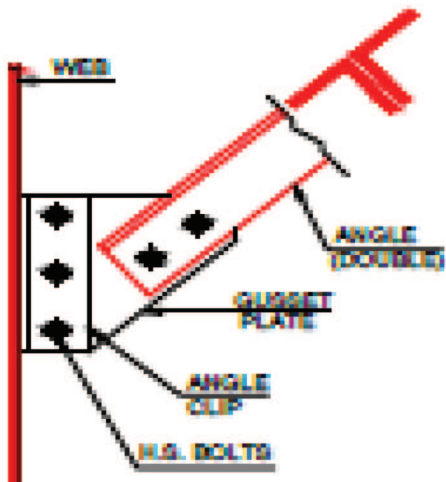
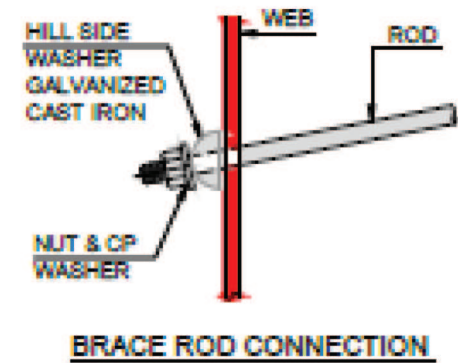


CABLE BRACING

Cable bracing is designed to ensure the stability of the building against forces in the longitudinal and lateral direction due to wind, cranes & earthquakes

ROD BRACING

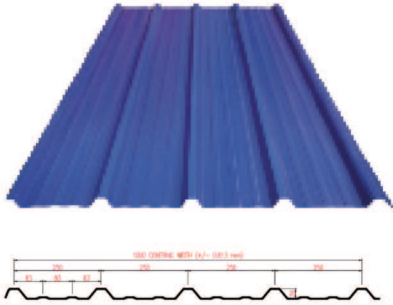
Rod bracing shall have a minimum yield strength of 250 Mpa.



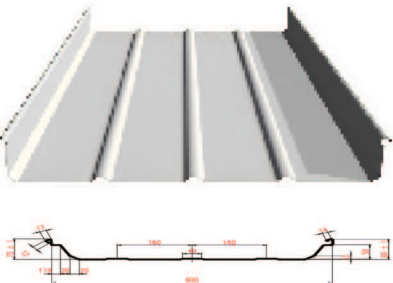
ANGLE BRACING

Angle bracing are used to with stand the actions of longitudinal forces.

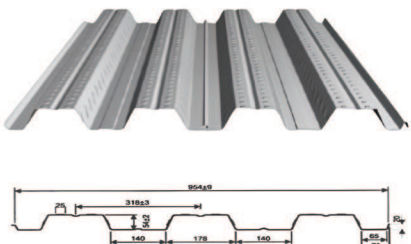
CLADDING SYSTEMS



Roofing and Cladding Sheets (Colour Coated Galvalume, Colour Coated Galvanized and Bare Galvalume) are used with standardized quality. The bearing leg design permits easier installation and maintenance, supports thicker layer of insulation and allows easier curvature for aesthetic finish

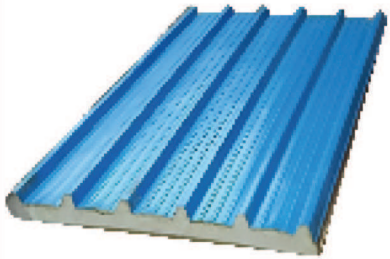


Standing Seam Panel Systems with double lock standing seam, eliminates the risk of leakage due to the concealed fastening system and provides excellent protection in all weather condition



Deck Panels are used in high rise buildings, office buildings and mezzanine floors in industrial buildings and warehouses. These decks can be used as a permanent shuttering to support the wet concrete and help in creating composite slabs and floor beams

PRODUCT RANGE



INSULATED PANEL

This panel offers long life, low maintenance and excellent weather tightness. Overlap joints eliminates the possibility of water leakage along side joints.

CONCEALED SANDWICH PANEL

This panel have interlocking tongue and groove joints with fasteners concealed within the joints

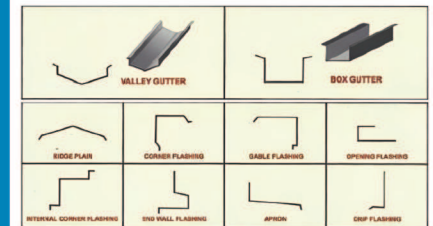


INSULATION

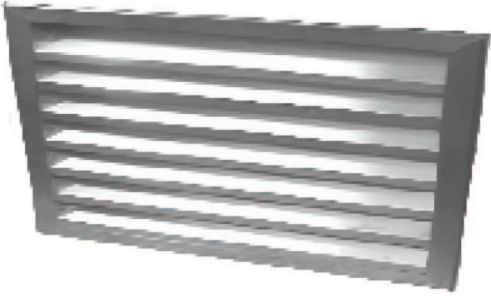
These rockwool and polynum insulations are used under the roof sheet with mesh. This method is cost effective and reliable

TRIMS & FLASHING

Standard trims and flashing match the same specification as panel materials. They are furnished for rakes, corners, eaves, and framed openings to provide weather tightness and a smooth finished appearance

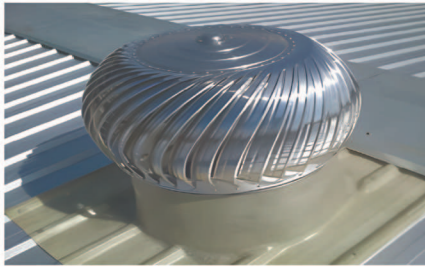


ACCESSORIES



LOUVERS

Louvers are with overlapping blades allowing free air flow. Size is 1m x 1m, incorporating insect screen



TURBO VENTILATORS

Turbo ventilators used for air circulation available in throat width 600 mm



RIDGE VENTILATORS

These are available with bird screen with a standard length of 3000 mm. Throat widths are available in 300 mm and 600 mm



SKY LIGHTS & WALL LIGHTS

Made of translucent GRP to match roof and wall panels, with an estimated light transmitting capacity of 60%



FASTENERS

High strength bolts used for main connection. And self drilling screws are available in carbon steel and stainless steel



SEALANTS

Silicon Sealants are used to provide a weather seal and has excellent gap filling properties

ESTEEMED CLIENTS



MRB PROJECTS



Sara Leathers, Katpadi



Eskay Cartons, Manimangalam



MR Protech, Bangalore



Arkema Peroxide, Cuddalore



Ammachi Masala, Puducherry



TNSAMB, Sular



Maruthi Moulding, Kundrathur



TNSAMB, Rameshwaram



Icon Commercial Complex, Hosur

MRB PROJECTS



Afton Fitness, Ayimicheri, Walajapet



GK Reality, Oragadam



SM Infra & Projects, Ayimicheri, Walajapet



Gunal Sarogi, Vallam Vadagal (Oragadam)



Aero Pistons, Ambattur



Hibrow Healthcare Pvt Ltd, Mamandur



RN ENTERPRISES, Thiruporur, Chennai



RMG POLYVINYL INDIA LTD, Cheyyar



SUBHAM FREIGHT CARRIERS INDIA PVT LTD,
VILUPPURAM

OUR FACTORY



OUR FACTORY



BRANCHES

 **Regd Office & Factory:** Plot No:288/6C2B,
Vanur, Viluppuram, Tamil Nadu – 605109

 **Factory II:** No:3, VAZHUDAVOOR MAIN ROAD, KOONIMUDAKKU,
Puducherry, 605502



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