SRI LAKSHMI ROOFFINGS

PRE-ENGINEERING BUILDINGS

ABOUT US

BUILDING A MEMORABLE BRAND IDENTITY

SRI LAKSHMI ROOFFINGS Pre-Engineering Buildings established in 2014, is a manufacturing company of Civil with pre-engineered steel buildings and steel stuctures. The construction division was started by young & dynamic civil engineers who later founded the PEB division in 2014. Within a short span of 8 years, we have built over Large scale of buildings at various locations in South India and representing a wide variety of structures and virtually every type of industry.

Timely completion and professional execution are the hallmark of the company. We believe in delivering on our commitments. This is why our clients reward us with so much repeat business - over 70% of our projects come from existing clients who have confidence in our ability to meet their expectations without compromising on quality.

VALUES

STRAIGHT-TALKING:
We encourage open debate where the best ideas win.

CUSTOMER CENTRIC:
We put our customers at the center of our focus and initiatives with the objective of providing them with unmatchable levels of services and products.

TEAM WORK:
We actively share information and ideas, enthusiastically working to make those around us better.

DIVERSITY AND RESPECT:
The diversity of our workforce is an asset and we treat everyone with dignity and respect regardles of status, gender, education, ethnicity or religion.

EMPOWERMENT:
We empower people to make desicions with a bias for action.

EMPLOYEES AS CORE ASSETS:
We beleive that our employees are our most valuable resource, and do whatever it takes for their continuous training, development and motivation.

MERITOCRACY:
The rewards and carer advancements of our people are based on their perfomance and capabilities, not on their wastsa (Influence).

We're using only the top most branded steel Products like TATA,JSW,SAIL,etc. for the steel plates,purlins & Rafters in our structures.

MISSION

We will achieve the vision by consistently delivering high-quality products to our customers, accompanied by personalized service and a commitment to excellence.

ADVANTAGES & FEATURES

LARGER SPANS
Up to 60 meters without any columns in between.

FASTER CONSTRUCTION
Time saved is money earned. PEB save 50% construction time compared to conventional methods. 30,000 sft. building can be made ready for occupation within 10-12 weeks.

COST EFFECTIVE
Optimum utilization of materials, built-to-design steel sections, and fast construction, all lead to direct & indirect cost savings. Reduce foundation cost with wider bay spacing.

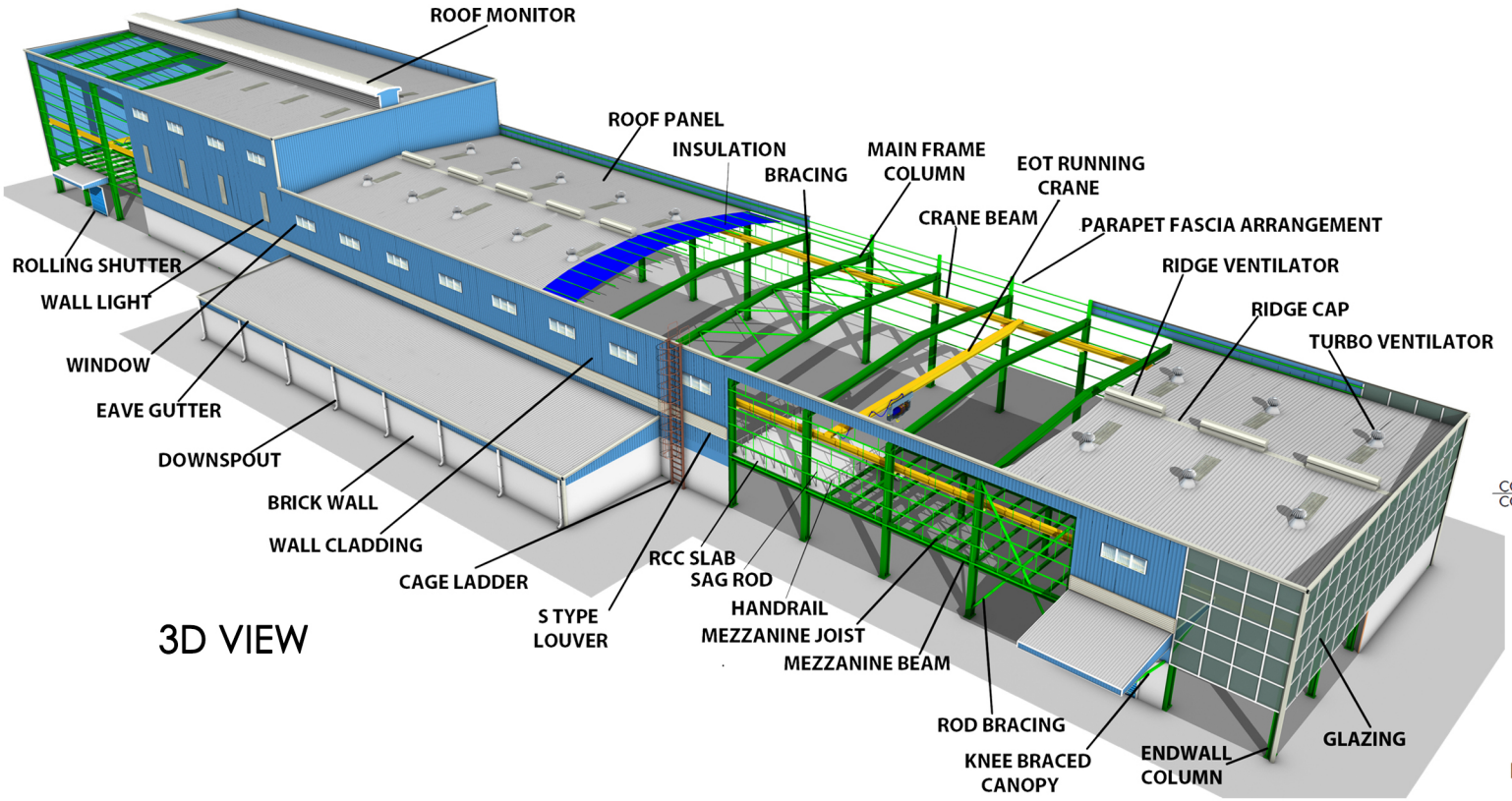
SINGLE SOURCE RESPONSIBILITY
Project co-ordination, Construction management & Cash flow management etc. become easy, effective & predictable since you are not dealing with lots of agencies.

RE-LOCATABLE
PEB permit future expansions & relocation through easy dismantling & reassembling.

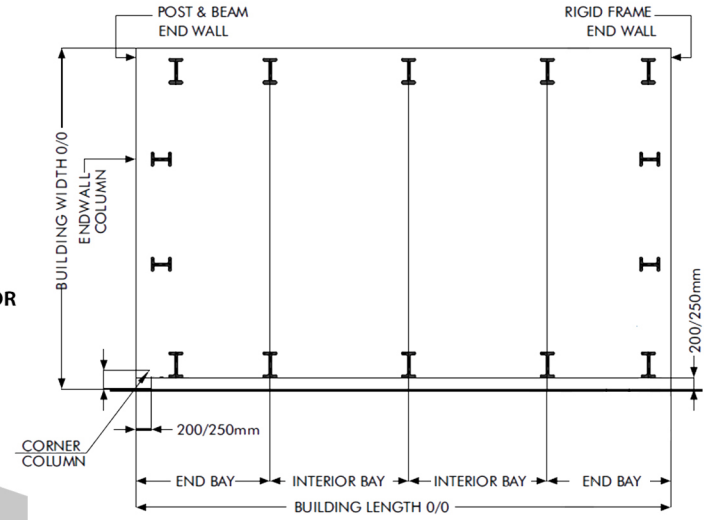
CUSTOM DESIGNED
To suit specific need of the customer & the location.

PEACE OF MIND GUARANTEED
Reputed, reliable, well equipped manufacturer undertaking the turn- key responsibility is a big relief. You can be rest assured of a quality job, delivered in time.

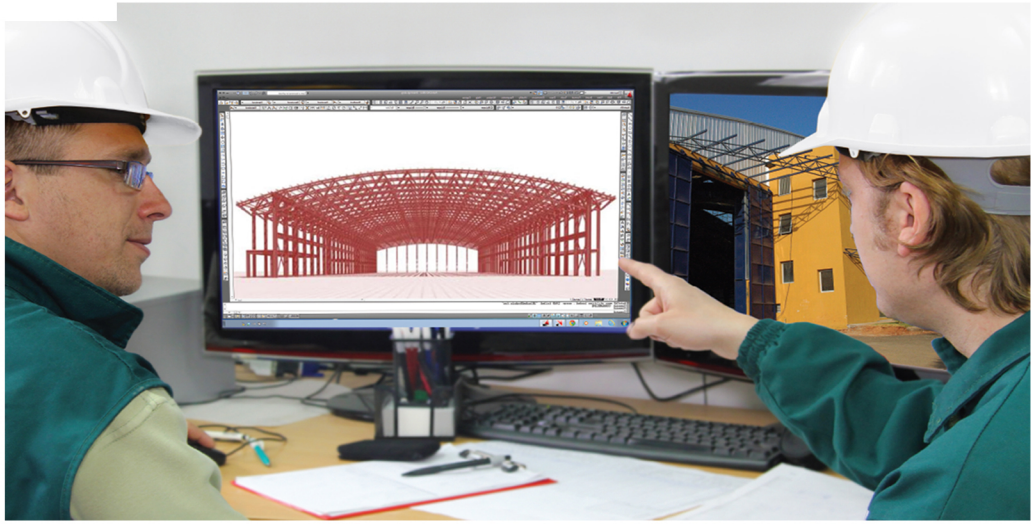
PEB STRUCTURE

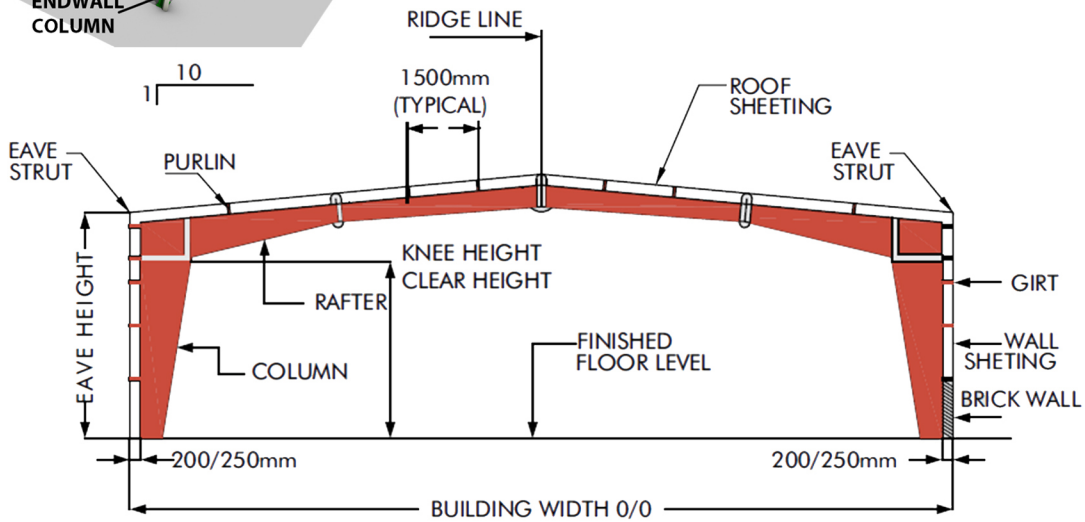


3D VIEW



TYPICAL PLAN

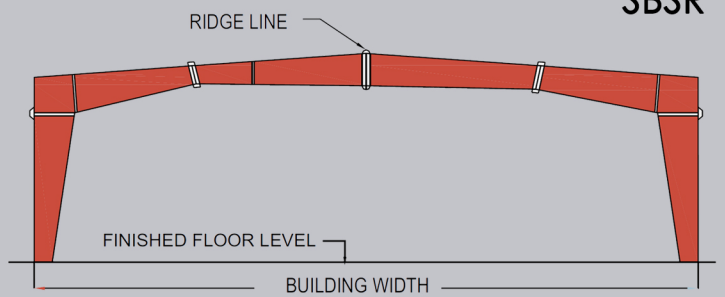




TYPICAL SECTION

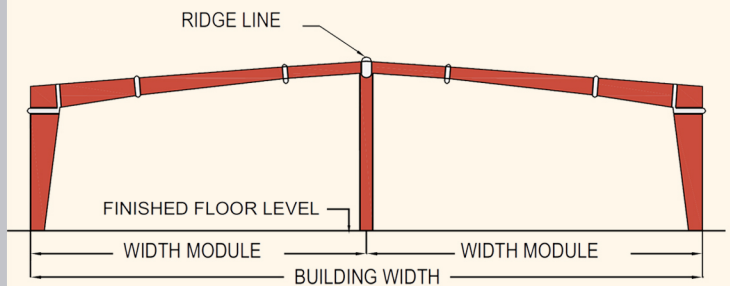
TYPES OF TYPICAL FRAMES

SBSR



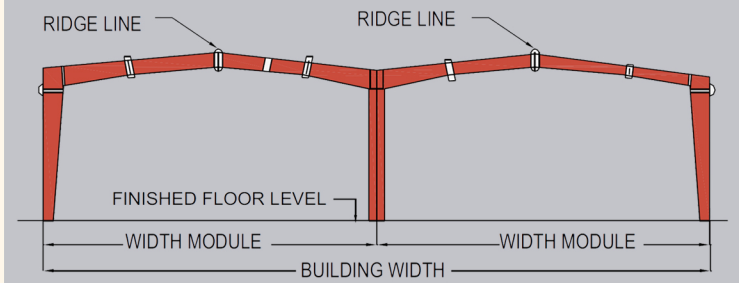
PRACTICAL WIDTH - 6M TO MAX. 60M

DBSR



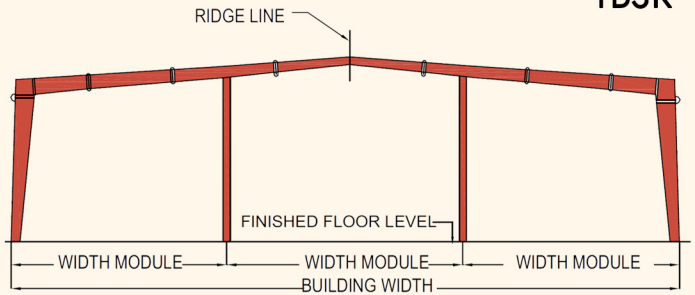
PRACTICAL WIDTH - 24M TO MAX. 48M

DBDR



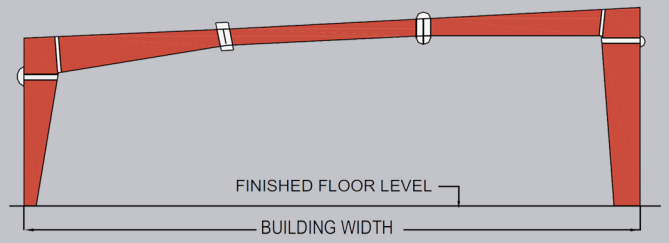
PRACTICAL WIDTH - 24M TO MAX. 60M

TBSR



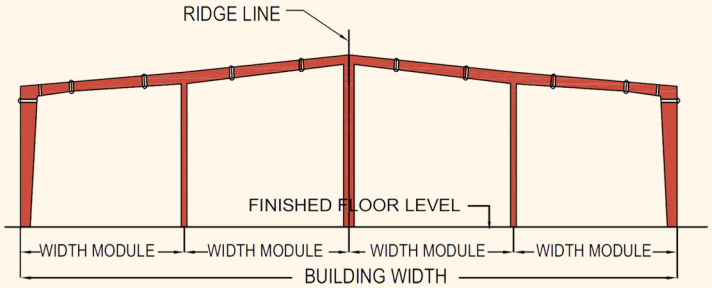
PRACTICAL WIDTH - 36M TO MAX. 72M

LTR



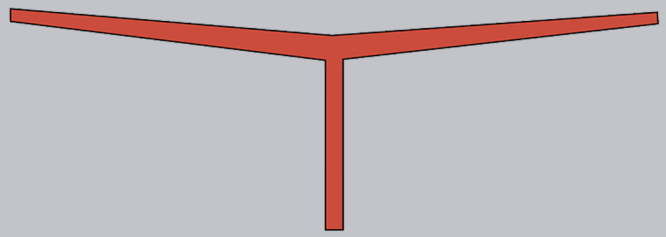
PRACTICAL WIDTH - 3M TO MAX. 18M

FBSR



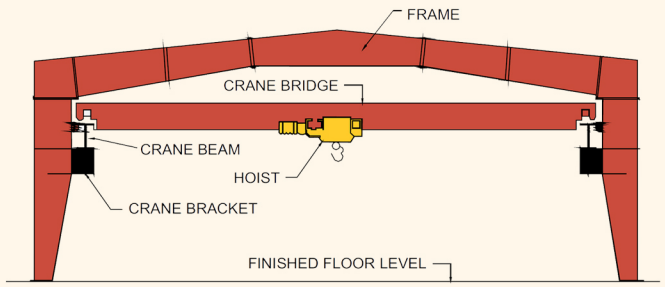
PRACTICAL WIDTH - 48M TO MAX. 96M

Y-CANOPY

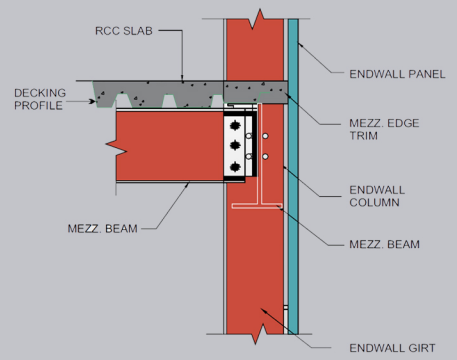


PRACTICAL WIDTH - 6M TO MAX. 12M

SBWG



TOP RUNNING CRANE



JOIST CONNECTION TO ENDWALL COLUMN
(FOR MEZZANINE SLAB)

DESIGN LOAD CONSIDERATIONS

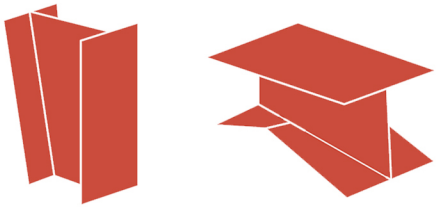
Dead load: 0.10-0.15 KN/M2.
Live Load: 0.50-0.75 KN/M2.
Wind Load: As per IS 875:1987 (Part)3 for location.
Roof Slope: 1 : 10
Bay Spacing: 6 M, 7.5 M & 9 M are most common.
Eaves Height: 4.00 Mt to 12.00 Mt from FFL Level to Top of Eaves Strut.

APPLICABLE CODES

- Welding is designed in accordance with:
  Structural Welding Code-Steel Manual 1996 AWS
- Wind Speed is applied in accordance with:
  IS 875 (Part 3): 1987 Code for Practice for Design.
- Cold Formed members are designed in accordance with :
  1980 Edition of Cold Formed Steel Design Manual, American Iron & Steel Institute (AISI)
- Hot Rolled Sections & Built up sections are designed in accordance with:
  1989 Manual of Steel Construction, Allowable stress Design, American institute of steel const (AISI).
- Design for seismic loads, collateral loads or any other local conditions must be specified at the time of enquiry.

SYSTEM COMPONENTS

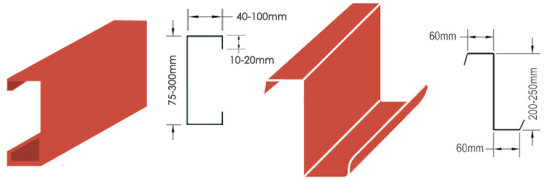
A.PRIMARY BUILT-UP MEMBER



TYPICAL COLUMN TYPICAL RAFTER

Built-up "I" shaped primary structural framing members (columns and rafters)

B.SECONDARY MEMBERS



C PURLIN Z PURLIN

MATERIAL SPECIFICATIONS

FOR VARIOUS COMPONENTS

STEEL MATERIAL	SPECIFICATIONS	MINIMUM Yield Strength
Primary Members Portal Frames/Builtup Frames	ASTM A 570 G 50/IS 2062:E250/E350 or Equivalent	Y S 245 & 340 mpa
Secondary Members Cold Formed HR steel Galvanised Steel	ASTM A 570 or IS 1079/10748 ASTM A 653 MSS Gr 34, coating 150/180 GSM	Y S 245 & 340 mpa
Roof Sheeting & Panels Bare & Colour Coated	ASTM A 792M Grade D AZM150	Y S 245 & 550 mpa
Valley Gutter Galvanised Steel	IS 513 Grade O Or D	Y S 240 mpa
Mezzanine Deck Panels Galvanised Steel	ASTM A 653 SS Grade 55, Zink Coating 180 gsm	Y S 245 mpa
Diagonal Bracing Members Rods round bar	ASTM A 36M / IS2062 or Equivalent	Y S 245 mpa
High Strength Bolts (Rafter)	ASTM A 325M Grade 8.8, or Equivalent	UTS 830 mpa
Anchor Bolts	ASTM A 36M / IS2062 or Equivalent	Y S 245 mpa
Galvanised M S Bolts	ASTM A 307 / IS1367 or Equivalent Grade 4.6 Hot dip Galvanised & plating with colour options	Y S 245 mpa

C.Comparison of Z-Purlins & Conventional HR Section

SPAN (M)	HOT ROLLED (HR)	ROLL FORMED (CRF)	WEIGHT (HR)(KG/M)	WEIGHT (CRF)(KG/M)	SAVING IN WEIGHT (1%)
4.0	ISMC 100	150C50T2	9.2	4.3	54
5.0	ISMC 125	200C50T2.5	12.7	5.9	55
6.0	ISMC 150	225C75T2.5	16.4	7.8	54
7.0	ISMC 175	275C75T2.5	19.1	8.8	55
8.0	ISMC 200	300C75T3	22.1	11.0	51

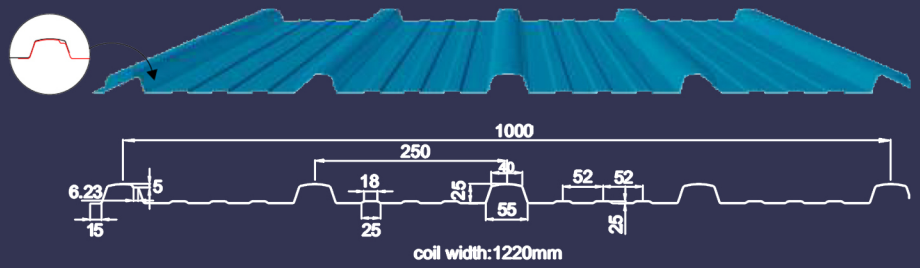
Shape & Size are subjected to change due to continuous improvement Prices shown are indicative and are subjected to change without notice.

ROOF & WALL CLADDING

Metal Panels are one of the most aesthetic features of a Metal Building System. 'Panel' refers to the metal skin used as roof and wall panels, interior roof and wall liners, partition panels, fascia panels and soft panels etc.With high precision Roll forming and Component forming machines, you can be assured about the Quality & Reliability of our Metal Roofing Solutions.Roofing Sheets are available in Pre-painted Galvanized Iron. These Roofing sheets are available in a range of superior and aesthetic colors for Roofing and wall Cladding. These Roofing Sheets have excellent corrosion and weather resistance there by ensuring low maintenance and long durability of the roofing system.

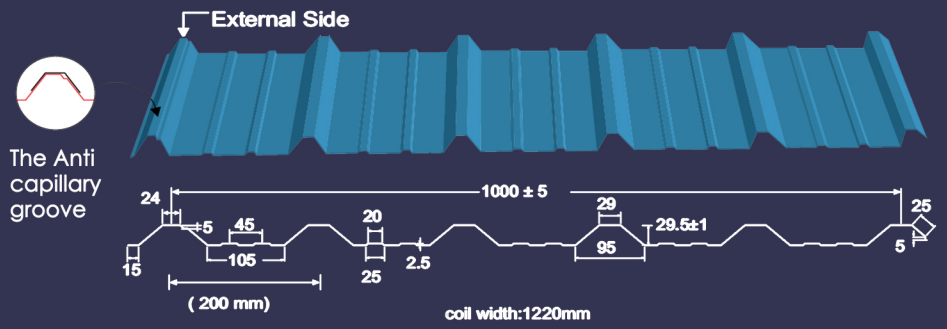
A) Metal Sheet-25 / 250

The Anti capillary groove

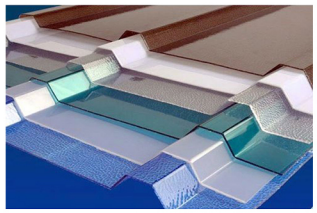


Roof Sheeting : BGL / PPGI / PPGL with 0.5mm Thickness & 1000mm wide out of 1220 sheet

B) Metal Sheet-30 / 250



TURBO VENTALITING SYSTEM



Polycarbonate roofing sheets

Bolts & Nuts
(For Steel Structure)

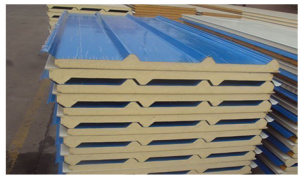
Self Drilling & Tapping Screws
Sealing Washer (For Sheeting)

Features
- Not Motor driven
- Saves cost as it needs only natural winds
- Safe as it does not require electricity
- No Pollution as it uses natural air
- Easy to install on any type or roof
- Light Weight
- Maintenance Free
- Rainproof as it designed to protect from rain
- Helps remove stale, damp and hot air

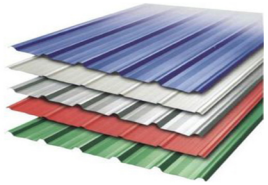
Also Available curved metal sheets as per requirement

Aluminium foil insulation
Size:1.25 x 40
Thickness: 2-14mm

White roof Louvers
Size:According to the need



Galvanised Puf insulated sheet
Size:30mm to 150mm

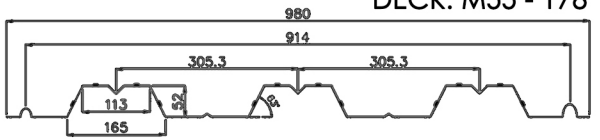


Colour coated MS
Corruguated roofing sheet
Thickness:0.45 to 0.60 mm

DECKING SHEET

We offers suitable size of decking with special features at shear connector and risks as per customer specification/drawing for easy erection and also to avoid any wastage/rework.

DECK: M55 - 178

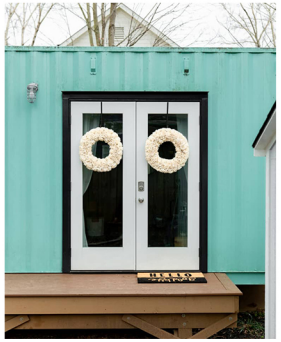


ADVANTAGES:
- High Rise Buildings
- Multiplexes(Commercial Buildings)
- Power Plant Buildings
- Office Buildings
- Mezzanine floors in industrial buildings
- Steel Floor Deck for mezzanine floors

TECHNICAL SPECIFICATIONS:
Profile : 55 178(55mm d, 900mm w)
Thickness: 0.80 to 2mm
Length: upto 12000mm
Material: CR Steel as per IS:5130
HR Steel as per IS:1079
Type: Bars,primer coated, galvanized & pre painted.

CONTAINER WORKS

Container Works is a proud owned and operated business offering a range of new and used shipping containers for sale and hire. we are passionate about the versatility of the humble shipping container and believe that whatever your storage challenge a low cost and eco-friendly shipping container is a great solution.



Type	Outer Length	Outer Wide	Outer Height
20ft	5800mm	2800mm	2896mm
40ft	11600mm	2800mm	2896mm

In addition to standard container sizes, our company can also provide custom container sizes Because the width of road transportation does not exceed 3m, and the firmness of the structure and the site Comprehensive consideration of hoisting, so the general maximum width of the container can be 3m.

ADVANTAGES

MODULAR
- Movable, modular units can be combined and moved at will

DETACHABLE
- It can be assembled quickly, has a short manufacturing period, and can fully meet different functional requirements Variability
- The configuration and layout are flexible and changeable, which can fully meet different functional layouts.

AESTHETICS
- Changeable shapes, changeable colors

STABILITY
- Steel structure, high safety

DURABILITY
- Steel outer wall, corrosion resistance, acid resistance, no rust and no cracks

SOUND INSULATION
- Air partition design, good sound and heat insulation

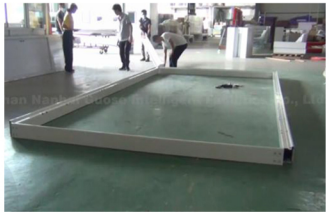
LOW COST
- Low cost, high quality and low price

INSTALLATION PROCESS

1.Container selection or customization

2.Packing

3.Loading & transportation



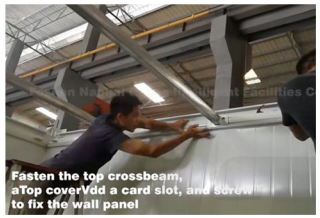
4.On-site assembly, placing the bottom steel beam

5.Install the column and the bottom tube

6.Install the top steel beam

7.Install wall panels

8.Install the floor



9.Install the top square pass

10.Install smallpox

11.Installation is complete

CONTAINER MATERIALS

LIST OF OUR ESTEEMED CLIENTS

No.	NAME OF THE CLIENT	LOCATION	UTILITY OF THE BUILDING	AREA (Sq.ft)
1	Aanuwin century	Tirupur	Warehouse	65,000 sq ft
2	SRS feed mill	Dharapuram	Stock Godown	40,000 sq ft
3	Ranga Knits	Tirupur	Knitting Unit	30,000 sq ft
4	Dgk dyeing	Tirupur	Warehouse	25,000 sq ft
5	Ess win impex	Tirupur	Garment Factory	24,000 sq ft
6	Sastha marble	Tirupur	Warehouse	22,000 sq ft
7	Ajandha cotton mills	Avinashi	Cotton Mill	20,000 sq ft
8	Rajalakshmi roofing	Avinashi	Warehouse	16,000 sq ft
9	Shanmuga Polymer	Puthukottai	Factory	15,000 sq ft
10	Sri Krishna traders	Palladam	Factory	15,000 sq ft
11	Gus clothing	Uttukuli	Garment Factory	15,000 sq ft
12	MDP Trading	Pongalore	Factory	13,000 sq ft
13	Ahill apparel	vijayamangalam	Stock Godown	12,000 sq ft
14	Rajamani Enterprises	Tirupur	Garment Factory	11,500 sq ft
15	BL International	Palladam	Garment Factory	11,500 sq ft
16	Sri sai car parking	Tirupur	Parking Shed	11,500 sq ft
17	KM Garments	Tirupur	Factory	10,000 sq ft
18	Ahill Car parking	Tirupur	Parking Shed	10,000 sq ft
19	Meenatchi Compactor	Tirupur	Compacting Unit	10,000 sq ft
20	Sivakumar	Dindugal	Warehouse	10,000 sq ft
21	Babu	Hosur	Food Mill	10,000 sq ft
22	Sri veni industries	Coimbatore	Manufacturing Company	9,000 sq ft
23	Sree lakshmi enterprises	Avinashi	Retail Shop	5,000 sq ft
24	Nethra marriage hall	Dindugal	Function Hall	6,000 sq ft
25	Mirtti and co	Tirupur	Retail Shop	4,500 sq ft

LANDMARK PROJECTS








SRI LAKSHMI ROOFFINGS

PRE-ENGINEERING BUILDINGS

A.SATHISH
310, Vanjipalayam R.S,
Avinashi,
Tirupur - 641663.
Ph.No: +91 98435 82288.
www.srilakshmirooffings.com