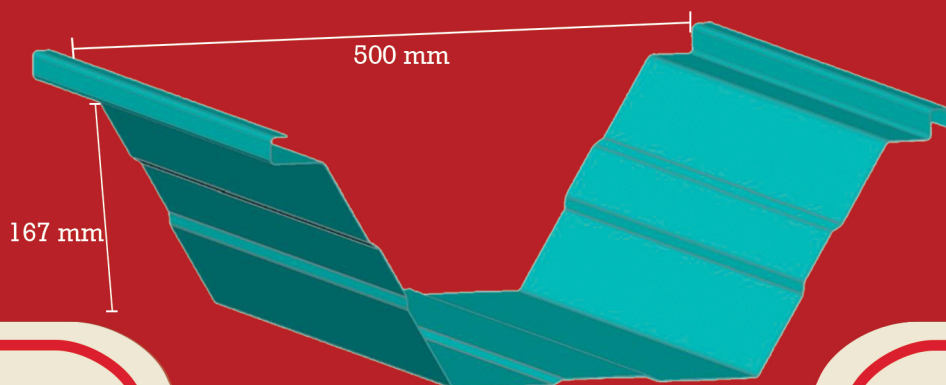


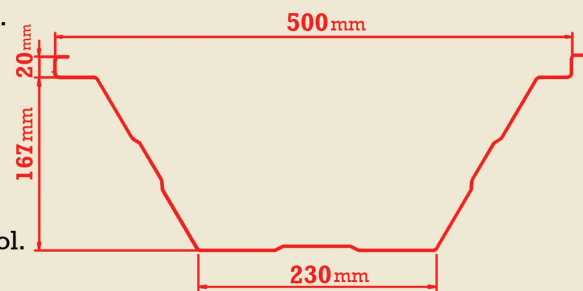
LCP LYCOR HI-RIB® – STANDING SEAM PROFILE



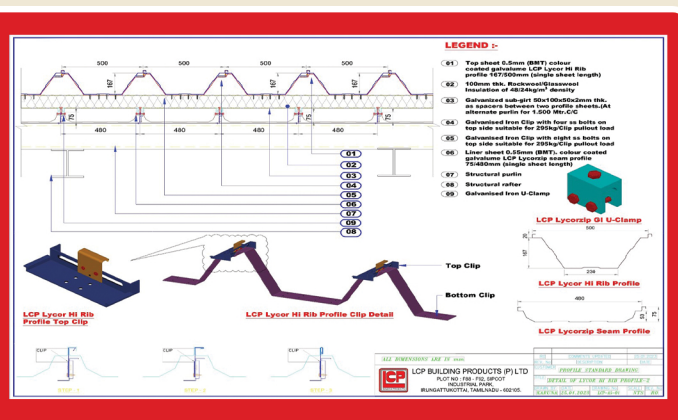
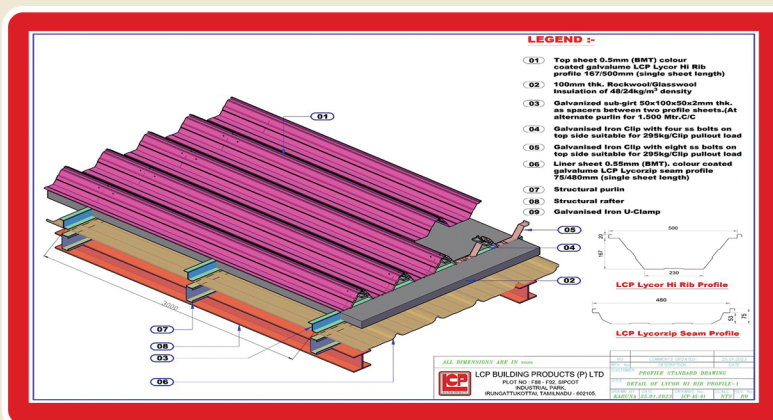
LCP LYCOR HI-RIB® – STANDING SEAM PROFILE SHEET

Salient features:

- LYCOR HI-RIB® is a mechanical 360° Standing Seam Profile with concealed clip fixing methodology.
- Roofing Panels installed with double-lock standing seam using concealed fix clips with no pierce fixing of the roof sheet.
- Single roofing sheet length from Ridge to Eaves with containerised on-site roll-forming capability ensuring sheet integrity and inherent weather tightness.
- Excellent rain water carrying capacity during the monsoon period.
- Longer span & reduces structural membrane weight.
- Robust Design: Depth of 167mm and supported on galvanized steel tight frames makes it most sturdy roof system to date. It can span up to 4mts. making roof structure more economical and lighter.
- Fitted on tight frame system has high stability against wind velocity and uplift pressure which is fixed on Purlin.
- Watertight: An exactitude engineered roofing system. A unique, special designed screw less roof with no end joints and side laps are seam locked, making it a total leak proof roof.
- High water shedding ability enabling virtually flat roof as low as 1° Slope.
- Handsome appearance and excellent anti-corrosion performance.
- Outstanding durability and is suitable for extreme weather conditions.
- Maintenance free.
- Will last virtually lifetime.
- Matching light panels of FRP / Polycarbonate available.
- Option of under deck insulation of resin bonded glass wool / mineral wool.
- Application: Factory Buildings, Warehouses, Institutional Buildings etc.



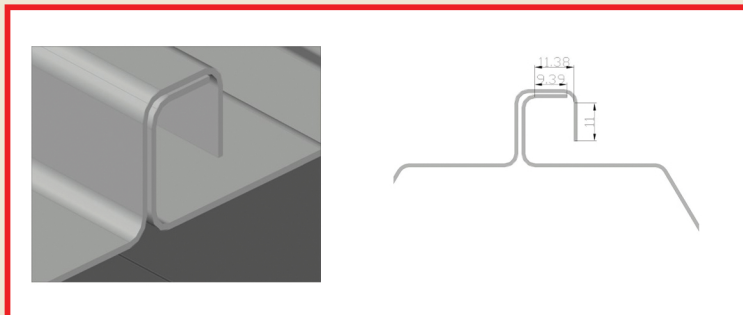
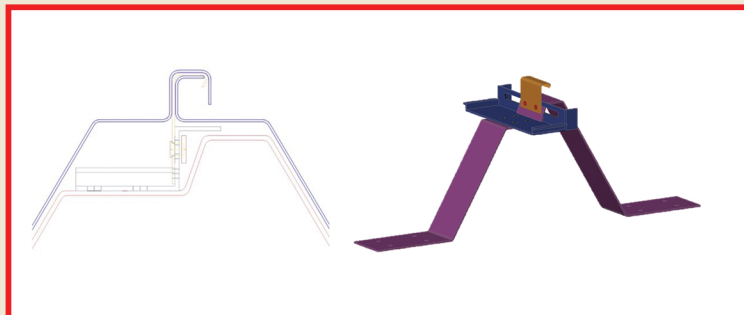
Profile drawing




LCP LYCOR HI-RIB® – STANDING SEAM PROFILE SHEET

Trough Runner With Clip:

Lapping & Seaming Portion:



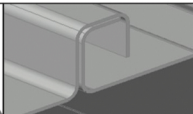
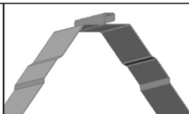
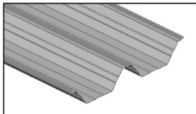
		ALLOWABLE LOAD CHART OF HIGH-RIB PROFILE				PREP BY	RANJIT
						DATE	31-01-2023
						REV	

1.1 ALLOWABLE LOAD CHART FOR HIGH-RIB PROFILE - 0.55MM THICK - 350 MPa					
SPAN CONDITION	SPAN In (m)				
	2	2.5	3	3.5	4
CONTINUOUS	2015	1293	892	656	504

1.2 ALLOWABLE LOAD CHART FOR HIGH-RIB PROFILE - 0.90MM THICK - 350 MPa					
SPAN CONDITION	SPAN In (m)				
	2	2.5	3	3.5	4
CONTINUOUS	3851	2463	1711	1259	960

Note :

1 Allowable weights mentioned in the table is of Kg/m².



STRUCTURAL PROPERTIES OF HIGH-RIB PROFILE

PREP BY	RANJIT
DATE	31-01-2023
REV	

SECTION PROPERTIES (PER METRE WIDTH)

BMT (mm)	Cross Sectional Area (mm ²)	Ycg (mm)	Approximate Theoretical Weight (Kg/m ²)	Gross Moment of Inertia of Profile, Ixx (mm ⁴)	Moment Check	Deflection Check	Moment Capacity (kNm)	
					Effective Moment of Inertia, Ixx (mm ⁴)	Ixx - Value for Deflection (mm ⁴)	Positive Moment capacity	Negative moment capacity
0.55	846	73	7.00	4034924	2046365	2212478	7.6	9.9
0.90	1389	73	11.23	6635854	3907616	4126500	14.5	18.8

Note :

- 1 Ycg = Distance from the base of the rib to the Centroid of the profile
- 2 BMT = Base Metal thickness
- 3 Design capacity arrived based on IS801 & BS 5950

Sectional Property (Reference)					
Sheet Thickness (mm)	Unit Weight (Kg/M ²)	Moment of Inertia Lx(Cm ⁴ /m)		Sectional Modulus Zx(Cm ³ /m)	
		Positive Pressure	Negative Pressure	Positive Pressure	Negative Pressure
0.6	6.82	341.9	201.5	33.5	22.1
0.8	9.09	525.1	323.6	51.5	35.6
1.0	11.36	628.9	445.7	61.7	49.1

Reference Design Specification	
Sheet Thickness	0.6mm, 0.8mm & 1mm
Raw material coil input width	774mm
Effective/ Working width	500mm
m ² per required No of m	2
Gradient	Possible 3/100 or more
Bonding Radius nature	250 or more carving processing R=30M or more

*Please refer to the color shade card for colors. Technical details available on request.