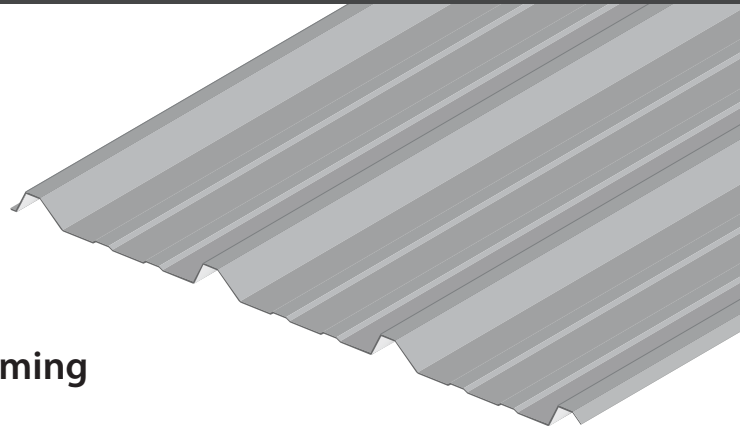


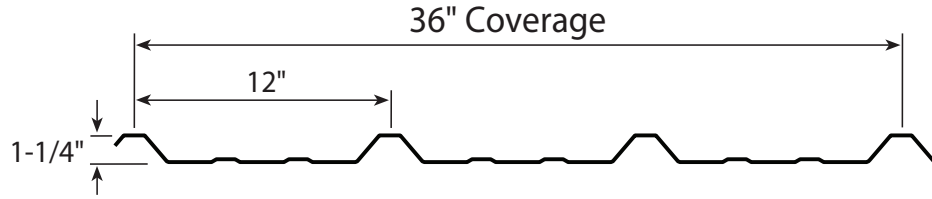
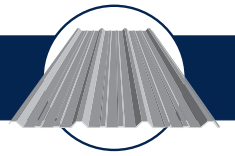


Metal Roof, Wall and Liner Panel

- Trapezoidal ribs 12" o.c.
- 26 ga. and 24 ga. standard
- Minimum roof slope 1:12
- Available in a wide variety of colors
- Installs over a solid substrate or open framing



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PANEL INFORMATION

- ▷ Gauge: 24 ga standard; 22 ga optional
- ▷ 36" panel coverage, 1-1/4" rib height
- ▷ Exposed fastened, low profile roof and wall system
- ▷ Minimum roof slope: 1:12

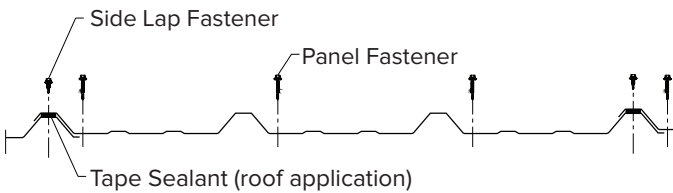
TESTING AND APPROVALS

- ▷ UL 580 Uplift Resistance – Class 90 Construction: #161
- ▷ UL 790 Fire Resistance Rating – Class A, per assembly
- ▷ UL 2218 Impact Resistance – Class 4
- ▷ ASTM E 455 Diaphragm Test
- ▷ Texas Windstorm – Evaluation RC-198, RC-265, RC-279, and RC-391
- ▷ ICC Evaluation Report – ESR-2385 (R-Panel)
- ▷ Miami-Dade County, FL NOA 23-1214.05 (24 ga roof and wall)
- ▷ Miami-Dade County, FL NOA 23-1214.04 (24 ga roof and wall)
- ▷ 2023 FBC Approval – FL9482.4, FL10999.7, FL14645.11 and FL46539.3

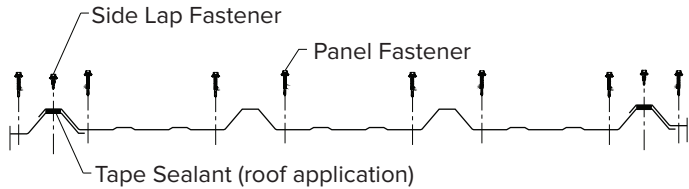
GENERAL INFORMATION

- **Features:** PBR-Panel panels will not warp, split, crack or curl and are impervious to mildew, rot, termites and pests. Installation over solid substrate or open framing.
- **Substructure:** PBR-Panel is designed to be utilized over open framing or a solid substrate with a minimum 30# felt underlayment. To avoid panel distortion, use a properly aligned and uniform substructure.
- **Length:** Minimum factory cut length is 5'-0". Maximum recommended panel length is 45'-0". Longer panels require additional considerations in packaging, shipping and erection. Please consult Metal Sales for recommendations.
- **Fasteners:** The fastener selection guide should be consulted for choosing the proper fastener for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.
- **Finishes:** Galvalume®, MS Colorfast45®, or PVDF colors.

FIELD OF PANEL • FASTENING PATTERN



ENDS OF PANEL • FASTENING PATTERN



For all specific warranty, application, installation, and technical information regarding these products, contact your Metal Sales representative.

LOAD TABLE

SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings											
Ga	Width in	Yield ksi	Weight psf	Top In Compression		Bottom In Compression		Inward Load						Outward Load					
				lxx in ⁴ /ft	Sxx in ³ /ft	lxx in ⁴ /ft	Sxx in ³ /ft	2'	3'	4'	4'	6'	7'	2'	3'	4'	5'	6'	7'
26	36	80	0.84	0.0367	0.0367	0.0317	0.0458	261	129	76	49	35	23	223	107	62	40	28	21
24	36	50	1.09	0.0560	0.0579	0.0457	0.0613	330	153	88	57	39	29	314	145	83	53	37	27
27	36	50	1.43	0.0800	0.0860	0.0633	0.0816	453	207	118	76	53	39	474	217	124	80	55	41

- Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. lxx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase for wind.

Metal Sales Manufacturing Corporation

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