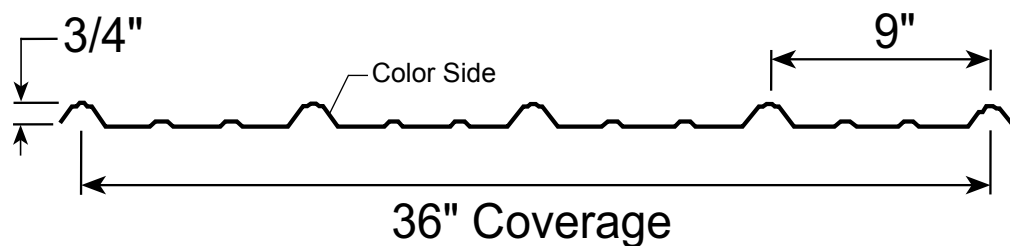


CLASSIC RIB®

PROFILE



PANEL INFORMATION

- ▶ 36" panel coverage
- ▶ Gauges: 29 ga. and 26 ga.
- ▶ Minimum roof slope: 3:12
- ▶ Up to a 45 year paint warranty and a 10 year edge corrosion warranty available

TESTING AND APPROVALS

- ▷ UL 263, Fire Resistance Rating - per assembly
- ▷ UL 580, Class 90 Wind Uplift, Construction #560 and #584
- ▷ UL 790 Class A Fire Resistance Rating - per assembly
- ▷ UL 2218, Class 4 Impact Resistance
- ▷ ASTM E 455 Diaphragm Test
- ▷ ASTM E 564-95 Diaphragm Test
- ▷ ICC Evaluation Report - ESR-2385
- ▷ Miami-Dade County Approved (NOA 16-0218.02) expires 8/24/2021
- ▷ Texas Dept. of Insurance Evaluation Reports, RC-161 and RC-391
- ▷ 2017 FBC Approved:
 - 29 ga. over 7/16" OSB 14645.10
 - 29 ga. over 1/2" Plywood 14645.8
 - 29 ga. over 2x Girts 9482.3
 - 29 ga. over 2x Purlins 10999.4
 - 29 ga. over 1/2" Plywood 14645.11
 - 26 ga. over 5/8" Plywood 14645.9
 - 26 ga. over 16 Ga. Girts 9482.2
 - 26 ga. over 16 Ga. Purlins 10999.3
 - 0.032" Aluminum over 7/16" OSB 14645.5

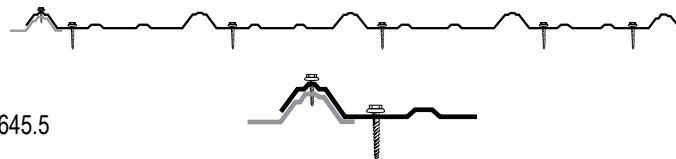
GENERAL INFORMATION

- ▶ **Substructure:** Classic Rib is designed to be utilized over open structural framing or a solid substrate. 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:** Acrylic Coated Galvalume®, Galvanized, MS Colorfast45® or *ColorFit40™.

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

**Not available at all locations.*

FASTENING PATTERNS



LOAD TABLE

SECTION PROPERTIES								ALLOWABLE UNIFORM LIVE LOADS psf (3 or More Equal Spans)											
Ga.	Width (in.)	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load						Outward Load					
				lxx in ² /ft	Sxx in ² /ft	lxx in ² /ft	Sxx in ² /ft	1.5'	2'	2.5'	3'	3.5'	4'	1.5'	2'	2.5'	3'	3.5'	4'
29	36	80	0.62	0.0100	0.0151	0.0053	0.0118	142	81	52	36	27	21	179	103	66	46	34	26
26	36	80	0.79	0.0127	0.0192	0.0070	0.0153	185	105	68	47	35	27	227	131	84	59	44	33

1. Theoretical section properties have been calculated per AISI 2012 "Specifications for the Design of Cold-formed Steel Structural Members." lxx and Sxx are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal span condition. Allowable load does not address web crippling, fasteners/support connection or load testing. Panel weight is not considered.
3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
4. Allowable loads do not include a 1/3 stress increase in uplift.
5. *Diaphragm Capacity* - 296 plf average Ultimate Shear Strength using the above fastening pattern on 2x supports located 2' on center per ASTM E 455-04.

1101 ©MS/1-2019

Metal Sales Manufacturing Corporation

Anchorage, AK: 866.640.7663
 Bay City, MI: 888.777.7640
 Deer Lake, PA: 800.544.2577
 Denver, CO: 800.289.7663
 Detroit Lakes, MN: 888.594.1394

Fontana, CA: 800.782.7953
 Fort Smith, AR: 877.452.3915
 Independence, MO: 800.747.0012
 Jacksonville, FL: 800.394.4419
 Jefferson, OH: 800.321.5833

Mocksville, NC: 800.228.6119
 Nashville, TN: 800.251.8508
 Rock Island, IL: 800.747.1206
 Rogers, MN: 800.328.9316
 Seattle, WA: 800.431.3470

metalsales.us.com

Sellersburg, IN: 800.999.7777
 Sioux Falls, SD: 888.299.0024
 Spokane, WA: 800.572.6565
 Temple, TX: 800.543.4415
 Woodland, CA: 800.759.6019