



# Classic Rib Panel

**Metal Roofing Wholesalers 865-379-7777**



## *Residential, Agricultural and Light Commercial*

### Panel Specifications

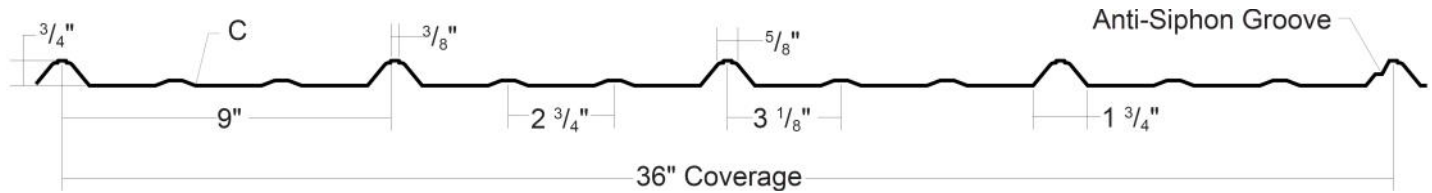
- Metal Roof and wall panel
- Choose from Painted 40 Year or Acrylic Coated Galvalume
- Available in a wide variety of ENERGY STAR Certified colors
- Applies over solid substrate or open framing
- Minimum Recommend Roof Slope 3:12
- Factory Cut to the nearest inch
- 29 ga and 26 ga Standard options
- 36" wide panel coverage



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## Panel Profile



## Panel Information

**Description:** Classic Rib is an industry leader in strength and durability, this popular and versatile panel features classic looks and is used in a wide range of applications including residential, commercial and post-frame buildings. Our Classic rib panel was designed to increase strength and ease of handling and installation. The anti-siphoning channel on the under-lap rib provides extra leak resistance on the presence of extreme wind and rain areas.

**Substructure:** Classic Rib is designed to be utilized over open Structural framing or a solid substrate. To avoid panel distortion, use properly aligned and uniform substructure.

**Length:** Panels are custom cut to the inch to meet your specifications. Minimum factory cut length is 4'-0". Maximum recommended panel length is 40'-0".



**Fasteners:** We offer Self tapping wood screws designed to tap thru the panel and go into wood. Or self drilling screws if you are fastening into a steel purlin.

## Testing And Approvals

- FBC Approved: FL7271.6, FL7271.8, FL9555.2, FL9555.3, FL9555.3
- FL955.4, FL9555.5, FL9557.1, FL9557.2, FL16266.1, FL16266.2
- Miami-Dade County, Florida, NOA 07.0713.03
- ASCE 7-98 Compliant
- Texas Department of Insurance Approval #116
- Texas Windstorm Evaluation RC-399
- UL 2218 Class 4 Impact Resistance
- UL 580 Class 90 Wind Uplift Construction #560, #584
- UL 790 Class A Fire Resistance Rating

## Load Table

SECTION PROPERTIES								ALLOWABLE UNIFORM LIVE LOADS, psf For various fastener spacings											
Ga	Width in	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load						Outward Load					
				I <sub>xx</sub> in <sup>4</sup> /ft	S <sub>xx</sub> in <sup>3</sup> /ft	I <sub>xx</sub> in <sup>4</sup> /ft	S <sub>xx</sub> in <sup>3</sup> /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
24	36	50	1.03	0.0163	0.0249	0.0103	0.0208	208	119	77	53	39	30	245	141	91	64	47	36

1. Theoretical section properties have been calculated per AISI 2012 'North American Specification for the Design of Cold-Formed Steel Structural Members'. I<sub>xx</sub> and S<sub>xx</sub> 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 spans condition. Allowable load does not address web crippling, fasteners, support material 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 for wind.
5. **Diaphragm Capacity** - 246 plf average Ultimate Shear Strength using the above fastening pattern on 2x supports located 2' on center, per ASTM E 445.