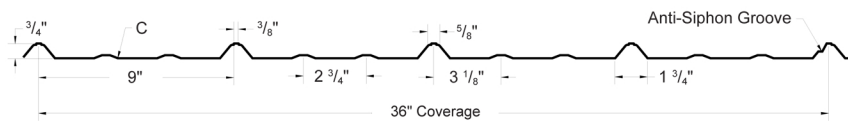


CLASSIC RIB®



COMMERCIAL
RESIDENTIAL
PANEL

DIRECT
FASTEN

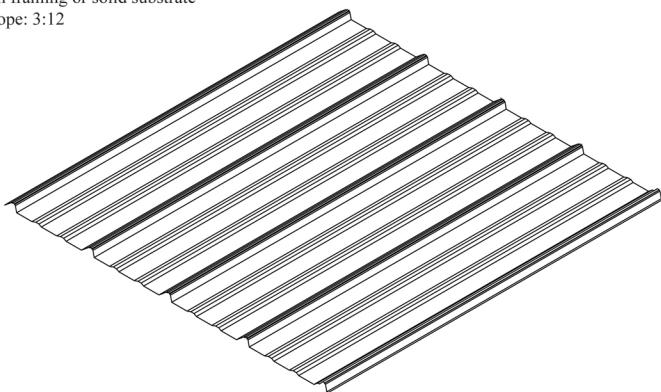
36"
COVERAGE

MINIMUM
3:12 SLOPE

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

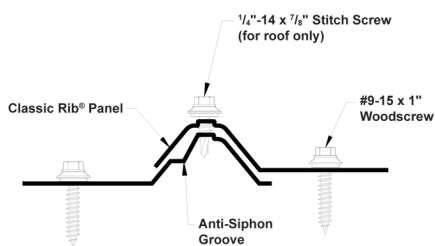
- ▶ Finishes: MS Colorfast45® and Acrylic Coated Galvalume®
- ▶ Gauge: 26ga and 29ga standard
- ▶ 36" panel coverage, 3/4" rib height
- ▶ Bell top trapezoidal rib on 9" centers
- ▶ Exposed fastened, low profile panel
- ▶ Applies over open framing or solid substrate
- ▶ Minimum roof slope: 3:12



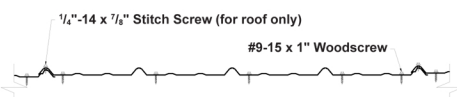
Classic Metals Inc.
2656 Lancaster Hwy
Chester, SC 29706

CLASSIC RIB®

ATTACHMENT DETAIL



FASTENING PATTERN



GENERAL INFORMATION

▶ Slope

The minimum recommended slope for Classic Rib® roof panel is 3:12.

▶ 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.

▶ Coverage

Classic Rib® panels are available in a 3/4" rib height with a coverage width of 36".

▶ Length

Minimum factory cut length is 5'-0". Maximum recommended panel length is 45'-0". Longer panels require additional consideration 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.

NOTE: All panels are subject to surface distortion due to improperly applied fasteners. Overdriven fasteners will cause stress and induce oil canning across the face of the panel at or near the point of attachment.

▶ Availability

Finishes: Acrylic Coated Galvalume® or MS Colorfast45®
Gauge: 26ga and 29ga standard

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 (Gravity / Deflection) Load						Outward Uplift (Stress) Load					
				l _{xx} In ² /ft		S _{xx} In ³ /ft		l _{xx} In ² /ft		S _{xx} In ³ /ft		1.5'	2'	2.5'	3'	3.5'	4'	1.5'	2'	2.5'	3'	3.5'	4'
				l _{xx}	S _{xx}	l _{xx}	S _{xx}	l _{xx}	S _{xx}	l _{xx}	S _{xx}												
29	36"	60	0.62	0.0100	0.0151	0.0053	0.0118	142	81	52	36	27	21	179	103	66	46	34	26				
26	36"	60	0.86	0.0123	0.0190	0.0080	0.0151	182	104	67	47	34	26	225	129	84	58	43	33				

1. Theoretical section properties have been calculated per AISI 2001. "Specifications for the Design of Cold-formed Steel Structural Members." l_{xx} and S_{xx} are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2001 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection and 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.