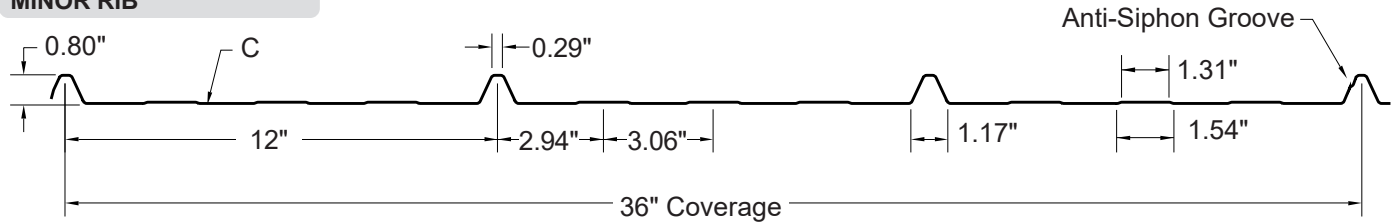
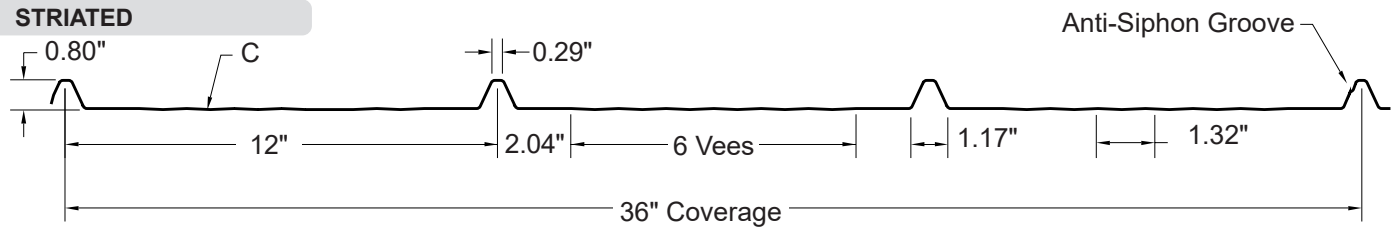


MINOR RIB



STRIATED



COMMERCIAL
RESIDENTIAL
PANEL

EXPOSED
FASTENED

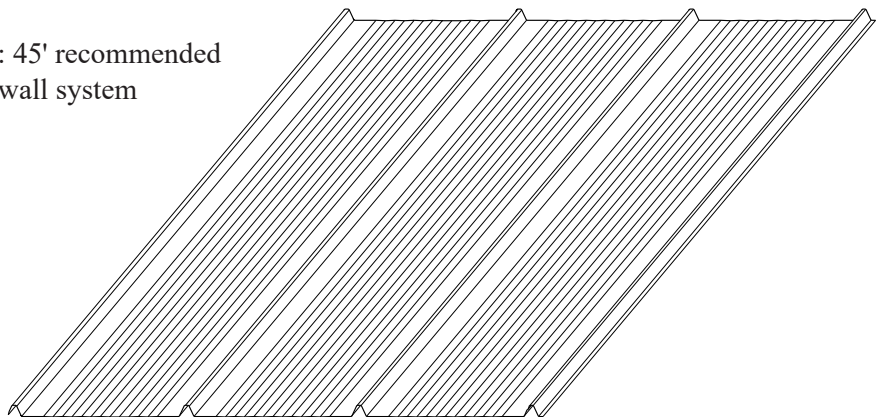
36"
COVERAGE

MINIMUM
SLOPE
3:12

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

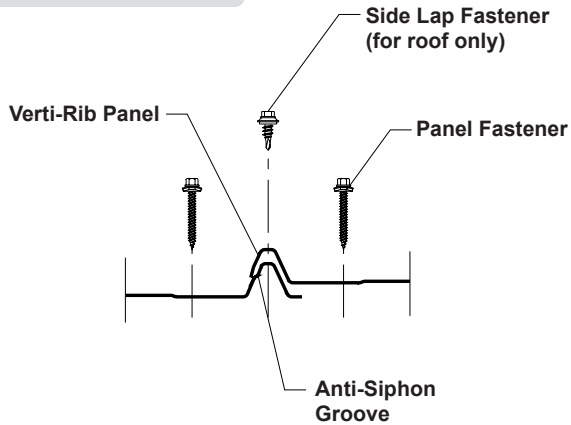
- ▶ Finishes: MS Colorfast45® and MS Crinkle Finish, 29 ga and 26 ga
ColorFit40™, 29 ga only
PVDF, 24 ga only
Acrylic-Coated Galvalume®, 29 ga, 26 ga and 24 ga
- ▶ Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume®
AZ50 per ASTM A 792 for painted Galvalume®
AZ35 per ASTM A 792 for painted Galvalume® (ColorFit40 only)
G60, G90 or G100 per ASTM A 653 for Galvanized
- ▶ Gauges: 29 ga and 26 ga standard; 24 ga optional
- ▶ 36" panel coverage, 0.80" rib height
- ▶ Panel Length: Minimum: 5'; Maximum: 45' recommended
- ▶ Exposed fastened, low profile roof and wall system
- ▶ Trapezoidal ribs on 12" centers
- ▶ Minimum roof slope: 3:12



TESTING

- ▶ UL 2218 Impact Resistance - Class 4
- ▶ UL 263 Fire Resistance Rating - per assembly
- ▶ UL 580 Uplift Resistance
- ▶ ASTM E 455 Diaphragm Resistance
- ▶ Snow Guard Snow Retention

ATTACHMENT DETAIL



FASTENER INFORMATION

Overdriven fasteners will cause panel distortions.

Fasteners should extend 1/2" or more past the inside face of the support material.

Thick supports may require predrilling.

The minimum roof slope permitted by IBC for metal panels with no sidelap sealant is 3:12. For metal panels with sidelap sealant, IBC permits a minimum roof slope of 1/2:12

Panel Fasteners:

Attaching to Wood:

- #10-14 Wood Screw
- #10-14 XL Wood Screw

Attaching to Steel:

- #12-14 Self Drilling Screw
- #12-14 XL Self Drilling Screw

Side Lap Fastener: Spaced 12" on center

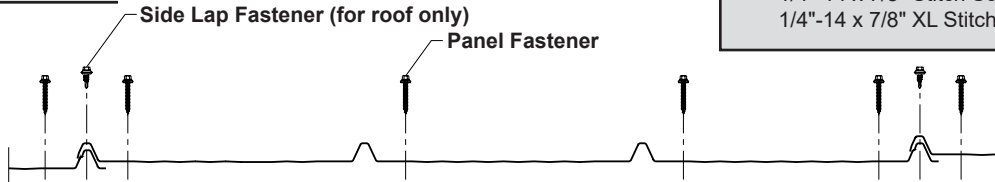
- 1/4"-14 x 7/8" Stitch Screw
- 1/4"-14 x 7/8" XL Stitch Screw

Trim Fastener:

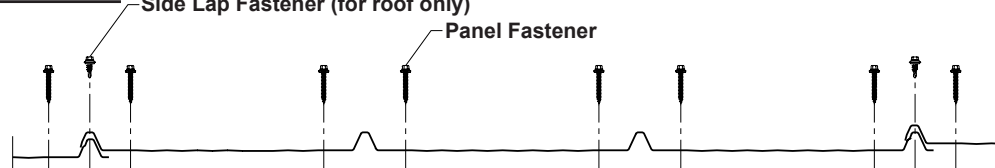
- 1/4"-14 x 7/8" Stitch Screw
- 1/4"-14 x 7/8" XL Stitch Screw

FASTENING PATTERNS

Field of Panel



Ends of Panel



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					
				I _{xx} in ⁴ /ft	S _{xx} in ³ /ft	I _{xx} in ⁴ /ft	S _{xx} in ³ /ft	1.5'	2'	2.5'	3'	3.5'	4'	1.5'	2'	2.5'	3'	3.5'	4'
29	36	80	0.62	0.0070	0.0100	0.0037	0.0083	85	48	31	21	16	12	103	58	37	26	19	15
26	36	80	0.79	0.0090	0.0132	0.0050	0.0107	110	62	40	28	20	16	135	77	49	34	25	19
24	36	50	1.03	0.0117	0.0171	0.0070	0.0143	145	82	53	37	27	21	146	83	53	37	27	21

- Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. I_{xx} and S_{xx} are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending & shear and deflection. Allowable load does not address web crippling, fasteners or support material. Allowable load considers the three or more equal spans condition. 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.