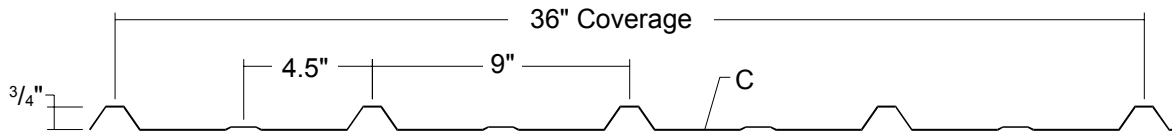


DELTA RIB 3

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AGRICULTURAL
RESIDENTIAL
PANEL

DIRECT
FASTENED

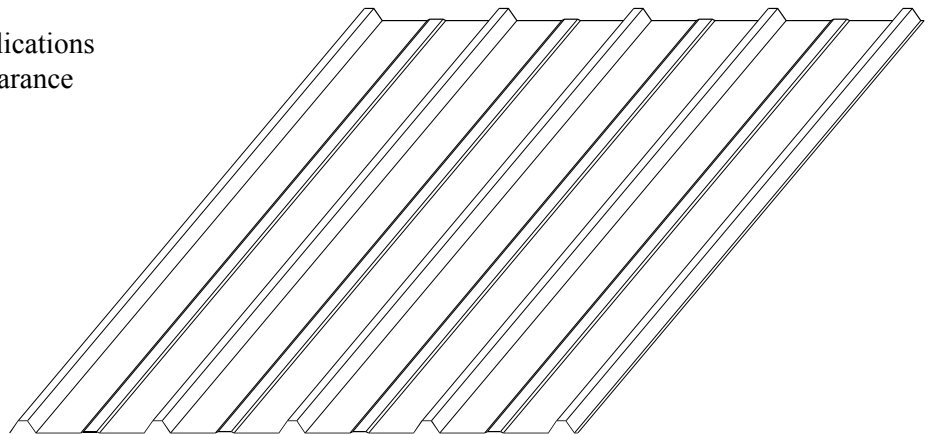
36"
COVERAGE

MINIMUM
SLOPE
3:12

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

- ▶ Finishes: MS Colorfast45[®] and Acrylic-Coated Galvalume[®]
- ▶ Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume[®]
AZ50 per ASTM A 792 for painted Galvalume[®]
G90 per ASTM A 653 for Galvanized
- ▶ Gauges: 26 ga standard; 29 ga and 24 ga optional
- ▶ 36" panel coverage, 3/4" rib height
- ▶ Trapezoidal ribs on 9" centers
- ▶ Applies to open framing or solid substrate
- ▶ Minimum roof slope: 3:12
- ▶ Residential and Agricultural applications
- ▶ Economical and distinctive appearance



TESTING AND APPROVALS

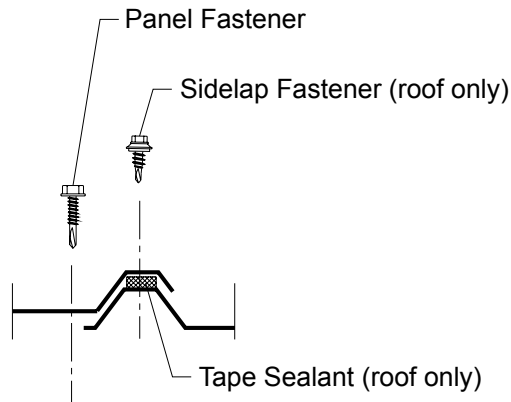
- ▶ UL 2218 Impact Resistance - Class 4
- ▶ UL 790 Fire Resistance Rating - Class A, per building code
- ▶ UL 263 Fire Resistance Rating - per assembly

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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.

Panel Fasteners:

Attaching to Wood:

#10-14 Wood Screw

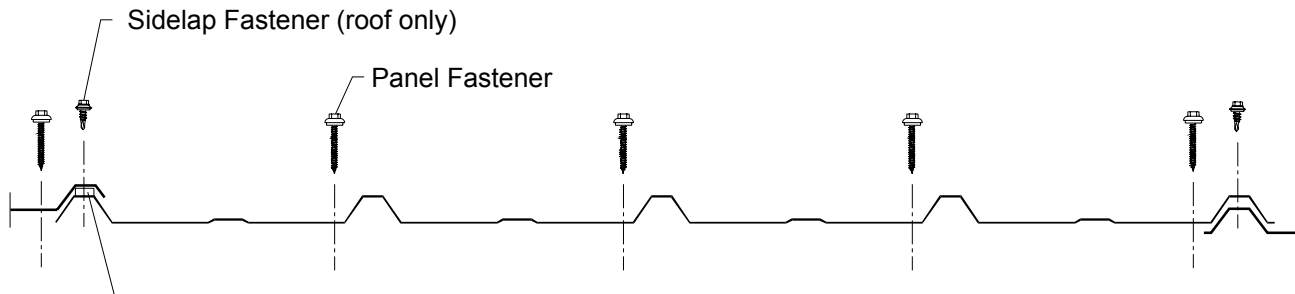
Attaching to Steel:

<=12 ga: #12-14 Self Driller

Trim and Sidelap Fasteners:

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

FASTENING PATTERN



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					
				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	3'	3.5'	4'	4.5'	5'	6'	3'	3.5'	4'	4.5'	5'	6'				
29	36	80	0.62	0.0103	0.0174	0.0080	0.0185	55	41	31	22	16	9	52	39	30	22	16	9				
26	36	80	0.79	0.0143	0.0241	0.0110	0.0241	73	54	40	28	21	12	73	54	40	28	21	12				
24	36	50	1.03	0.0200	0.0345	0.0157	0.0321	82	60	46	37	27	15	88	65	50	37	27	15				

- Theoretical section properties have been calculated per AISI 2012 '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 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.
- 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.

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