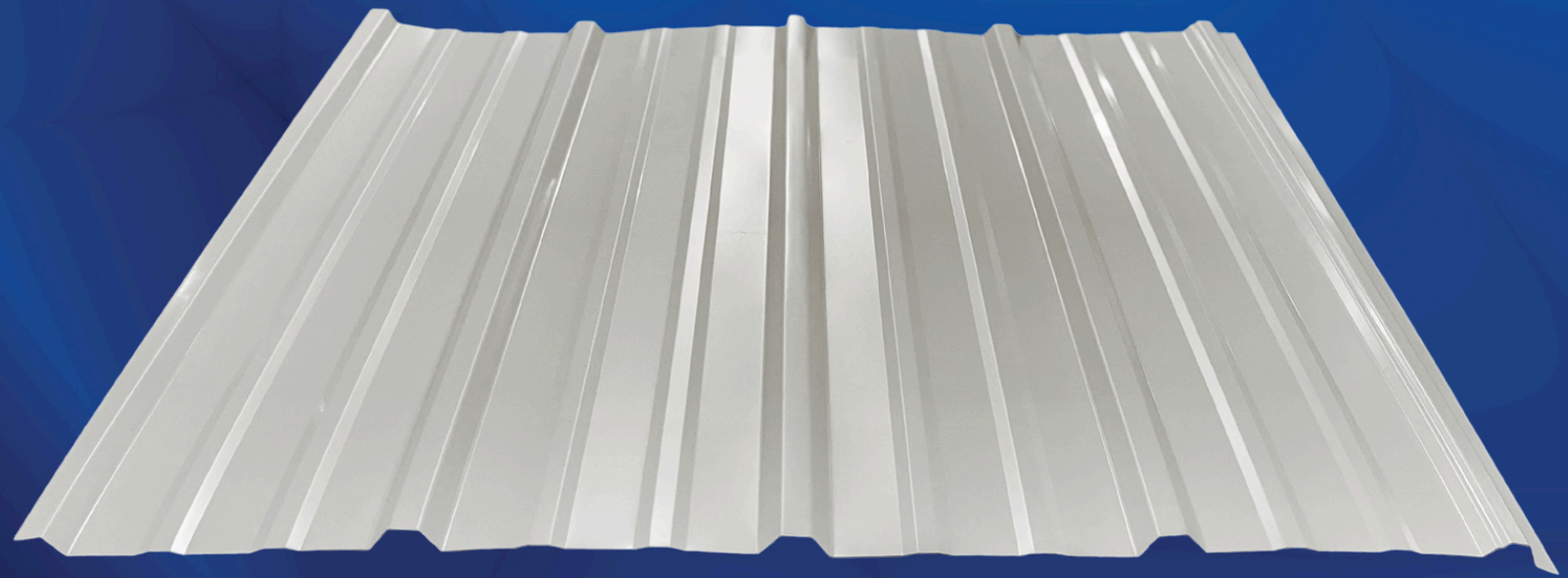




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PIONEER - RIB -



SPECIFICATIONS:

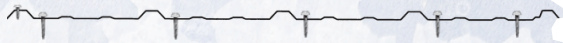
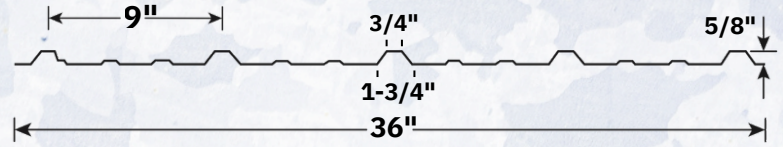
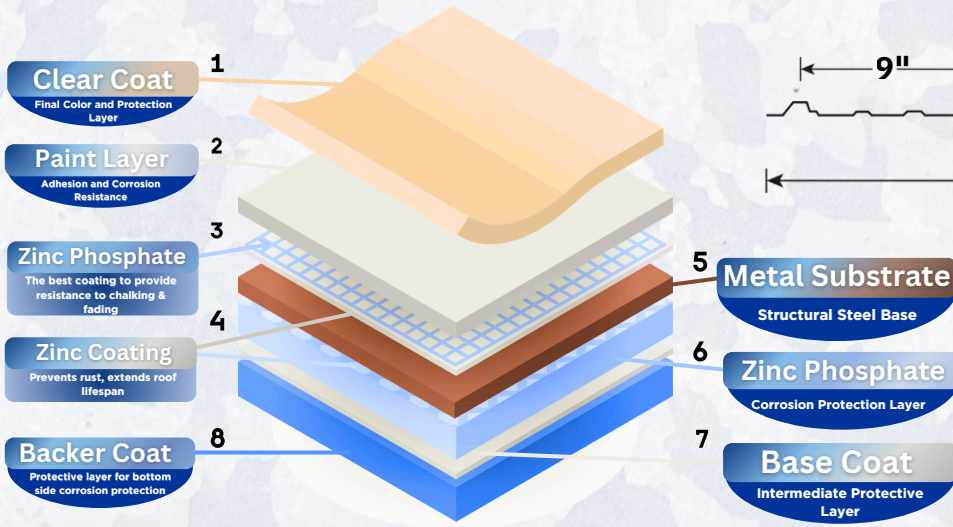
- Panel coverage - 36"
- Minimum recommended slope - 3:12
- Available Gauges - 29 ga. and 26 ga.
- Painted Product carries up to a 45-year warranty using MAXX Shield 45 Paint System

PANEL INFORMATION:

- Panel has a 36" coverage, with 5/8" high ribs 9" on center.
- Maximum recommended panel length is 45' - 0".
- Panel can be used over open framing, or solid substrate.

TESTING:

- UL 790, Class A Fire Resistance Rating
- UL 2218, Class 4 Impact Resistance
- UL 580, Class 90 Wind Uplift Rating



SECTION PROPERTIES: 36" WIDE PIONEER RIB

Gauge	Thickness (Inches)	Weight (psi)	Yield Stress (ksi)	Top in Compression (Positive Bending)			Bottom in Compression (Negative Bending)		
				Ixx (in4/ft)	Sxx (in4/ft)	Ma (in.kips/ft)	Ixx (in4/ft)	Sxx (in4/ft)	Ma (in.kips/ft)
29	0.0150	0.67	80.0	0.0082	0.0162	0.585	0.0057	0.0143	0.514
26	0.0180	0.80	80.0	0.0098	0.0194	0.697	0.0069	0.0174	0.625

ALLOWABLE UNIFORM LIVE LOADS, psf, FOR VARIOUS SPANS

Gauge	Thickness (Inches)	Yield Stress (ksi)	Outward Load						Inward Load					
			1.5'	2'	2.5'	3'	3.5'	4'	1.5'	2'	2.5'	3'	3.5'	4'
29	0.0150	80.0	163	92	59	41	30	23	142	80	51	35	26	20
26	0.0180	80.0	196	110	70	49	36	27	175	98	63	43	32	24

1. Theoretical section properties have been calculated per AISI 2012 'North American Specification for the Design of Cold-Formed Steel Structural Members'.

2. Allowable load is calculated in accordance with AISI 2012 specifications.

Allowable load considers the 3 or more equal spans condition for deflection. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.

3. Deflection 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. All values are for one foot of panel width. 6. Frames, purlins, fasteners and all supports must be designed to resist all loads imposed on the panel.

