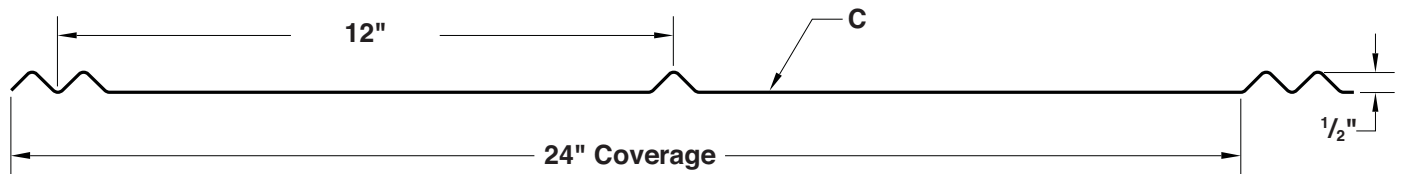


5V-CRIMP



ARCHITECTURAL
PANEL

DIRECT
FASTEN

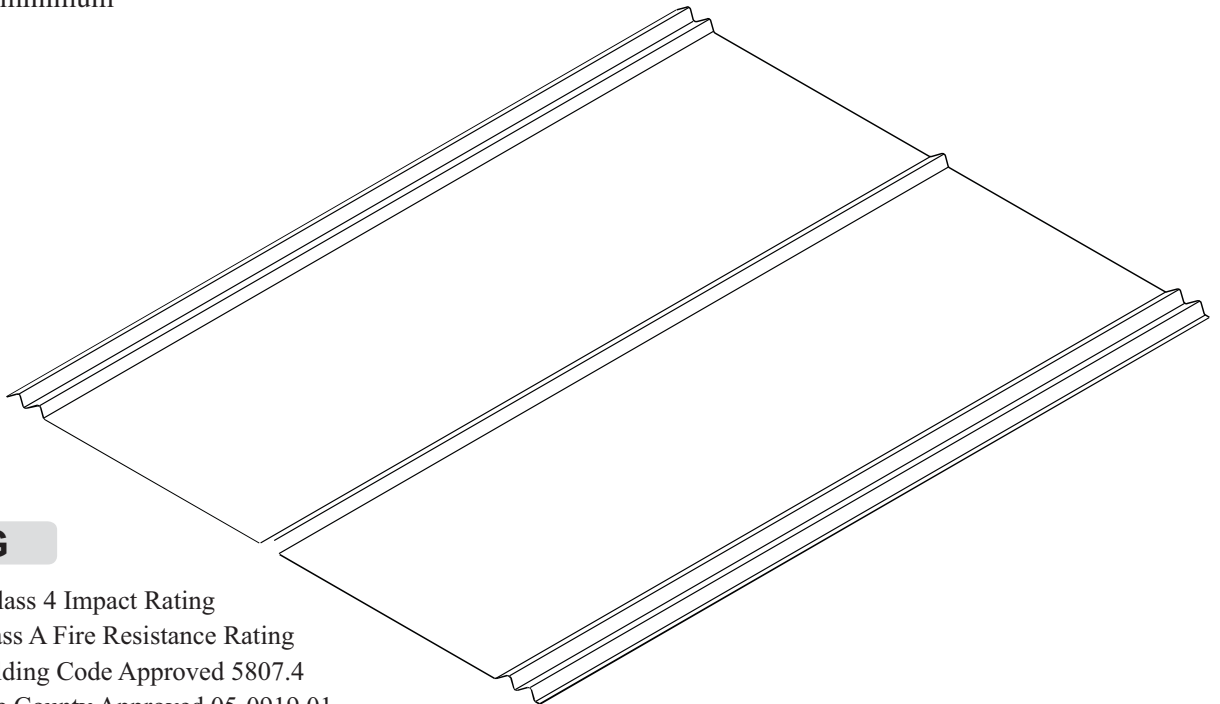
24"
COVERAGE

MINIMUM
3:12 SLOPE

APPLY OVER
SOLID SUBSTRATE

HIGHLIGHTS

- Finishes: Painted and Acrylic Coated Galvalume®
- Gauges: 26ga standard
- 24" panel coverage, 1/2" rib height
- Exposed fastened panel, traditional "V" rib
- Applies over plywood substrate with 30 pound felt underlayment
- 3:12 slope minimum

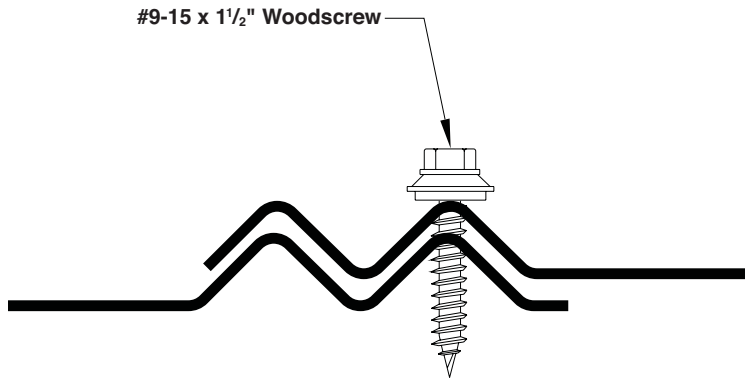


TESTING

- ▶ UL 2218, Class 4 Impact Rating
- ▶ UL 790, Class A Fire Resistance Rating
- ▶ Florida Building Code Approved 5807.4
- ▶ Miami-Dade County Approved 05-0919.01
- ▶ UL 580, Class 90 Wind Uplift Construction #579 over 1/2" Plywood
- ▶ UL 580, Class 90 Wind Uplift Construction #453 over 5/8" Plywood

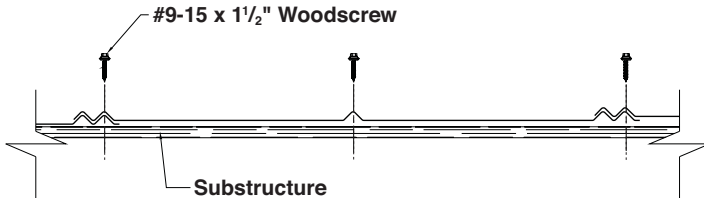
5V-CRIMP

ATTACHMENT DETAIL

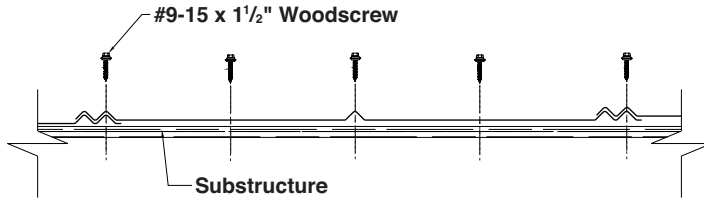


FASTENING PATTERNS

IN THE FEILD:



AT THE EAVE:



GENERAL INFORMATION

□ Slope

The minimum recommended slope for 5V-Crimp roofing panel is 3:12.

□ Substructure

The recommended substrate is 5/8" plywood with a 30 pound felt moisture barrier. To avoid panel distortion, use a properly aligned and uniform substructure.

NOTE: 5V-Crimp roof panels are not recommended for use over open framing.

□ Length

Minimum factory cut length is 3'-0". Maximum recommended panel length is 45'-0". Longer panels require additional consideration in packaging, shipping, and installing. Please consult Best Buy Metals 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 panel 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® and Painted
Gauge: 26ga

□ Oil Canning

Oil canning is not a cause for rejection. Heavier gauges can help minimize oil canning.

SECTION PROPERTIES

ALLOWABLE UNIFORM LIVE LOADS PSF^{1,2,3,4} (3 or More Equal Spans)

GA.	Width (in.)	Yield KSI	Weight PSF	Top in Compression ¹		Bottom in Compression ¹		Inward (Gravity / Deflection) Load ^{2,4}						Outward Uplift (Stress) Load ³					
				Ixx	Sxx	Ixx	Sxx	0.75'	1'	1.5'	1.75'	2'	2.5'	0.75'	1'	1.5'	1.75'	2'	2.5'
				ln ⁴ /ft	ln ³ /ft	ln ⁴ /ft	ln ³ /ft												
26	24"	80	0.85	0.0025	0.0069	0.0015	0.0053	249	143	65	48	37	24	415	242	111	82	63	40

- Theoretical section properties have been calculated per AISI 1996. "Specifications for the design of cold formed steel members." Ixx and Sxx are effective section properties for deflection and bending.
- Tabulated loads are allowable loads calculated in accordance with good engineering practices and with AISI 1996 specifications for bending stresses. Panel weight has not been subtracted from allowable gravity loads. Allowable load does not address web crippling requirement, or fasteners/support connection.
- Allowable loads are calculated in accordance with AISI 1996 specifications, and have been increased by 33 1/3% for wind uplift.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Note: 5V-Crimp is not recommended for open frame construction.**