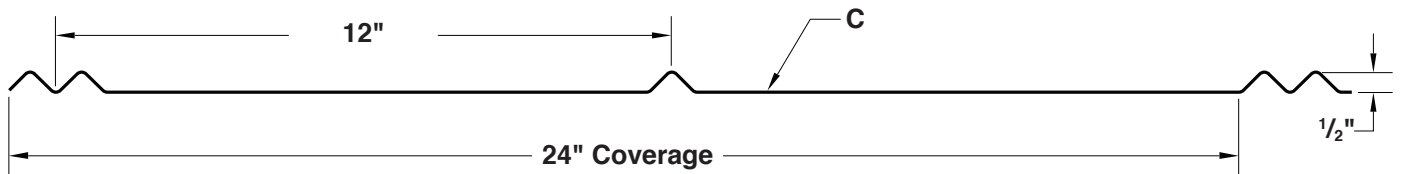


5V-CRIMP



ARCHITECTURAL
PANEL

DIRECT
FASTEN

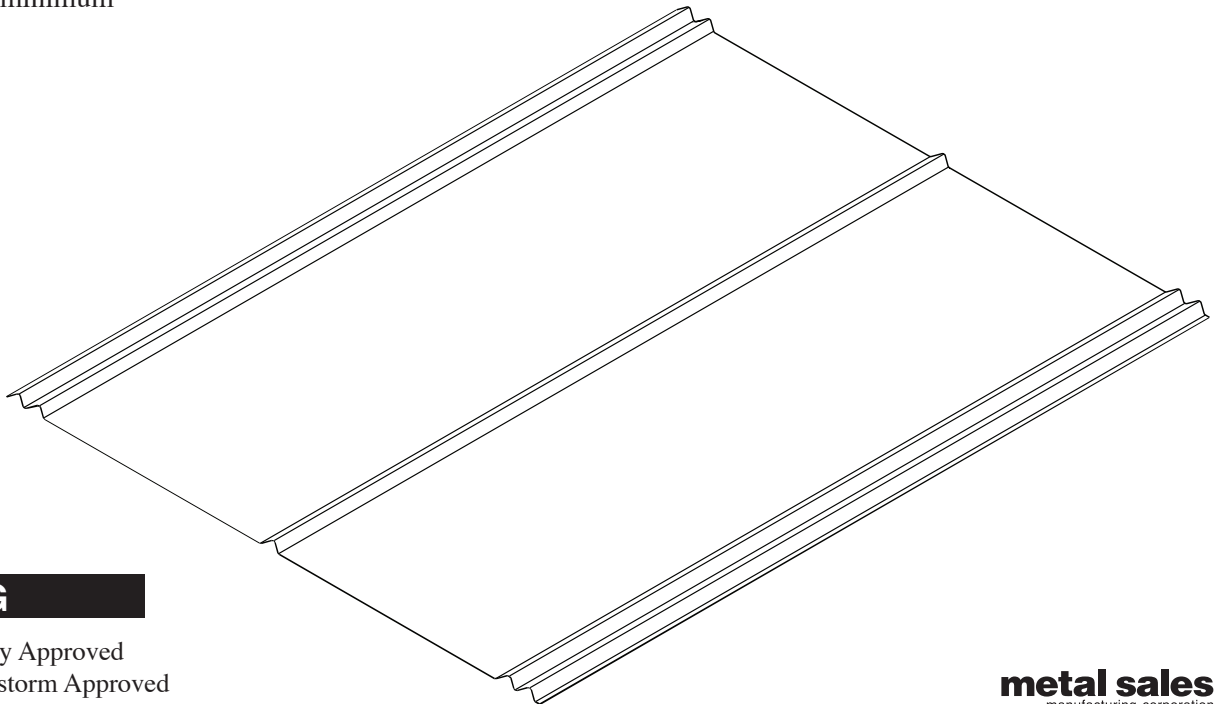
24"
COVERAGE

MINIMUM
3:12 SLOPE

APPLY OVER
SOLID SUBSTRATE

HIGHLIGHTS

- Finishes: MS Colorfast45[®] 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

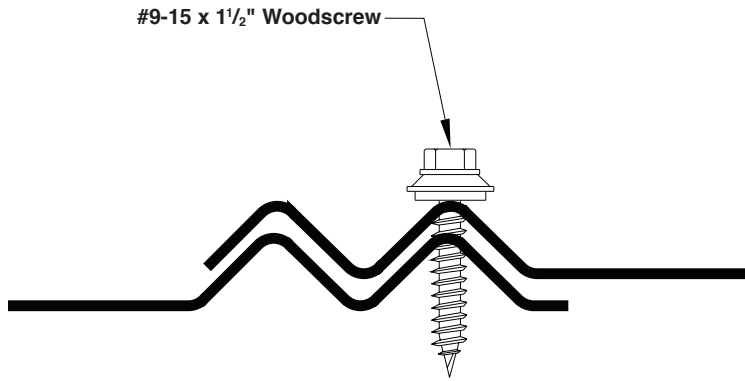
- Dade County Approved
- Texas Windstorm Approved
- UL 580, Class 90 Wind Uplift
- UL 2218, Class 4 Impact Rating
- UL 790, Class A Fire Resistance Rating

metal sales
manufacturing corporation

ms

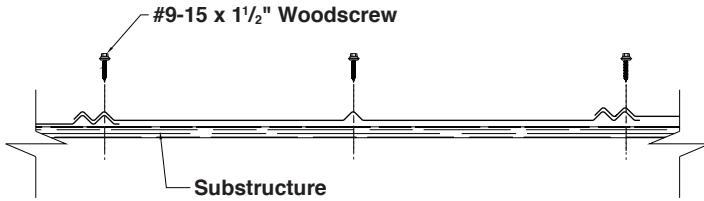
5V-CRIMP

ATTACHMENT DETAIL

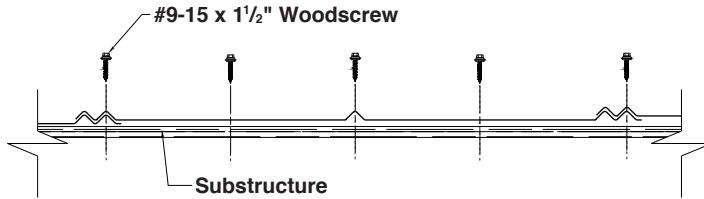


FASTENING PATTERNS

IN THE FIELD:



AT THE EAVE:



*Contact Metal Sales Technical Services for Dade County attachment requirements.

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 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® and MS Colorfast45®
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. Contact Metal Sales Technical Services Department for more information.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Note: 5V-Crimp is not recommended for open frame construction.**

metal sales
manufacturing corporation



Kent, WA (800) 431-3470
Temple, TX (800) 543-4415
Longmont, CO (800) 289-7663
Antioch, TN (800) 251-8508
Woodland, CA (800) 759-6019
Rogers, MN (800) 328-9316
Spokane, WA (800) 572-6565

Jefferson, OH (800) 321-5833
Rock Island, IL (800) 747-1206
Sellersburg, IN (800) 999-7777
Jacksonville, FL (800) 394-4419
Orwigsburg, PA (800) 544-2577
Independence, MO (800) 747-0012
Fontana, CA (800) 782-7953

Anchorage, AK (866) 640-7663
Bay City, MI (888) 777-7640
Detroit Lakes, MN (888) 594-1394
Mocksville, NC (800) 228-6119