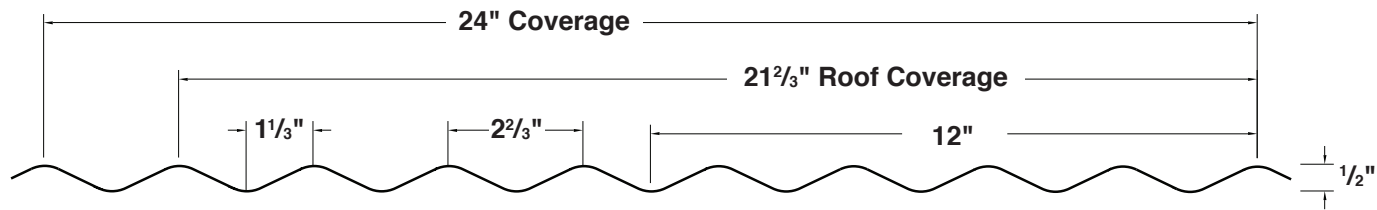


# 2.5" CORRUGATED



RESIDENTIAL  
PANEL

DIRECT  
FASTEN  
(EXPOSED)

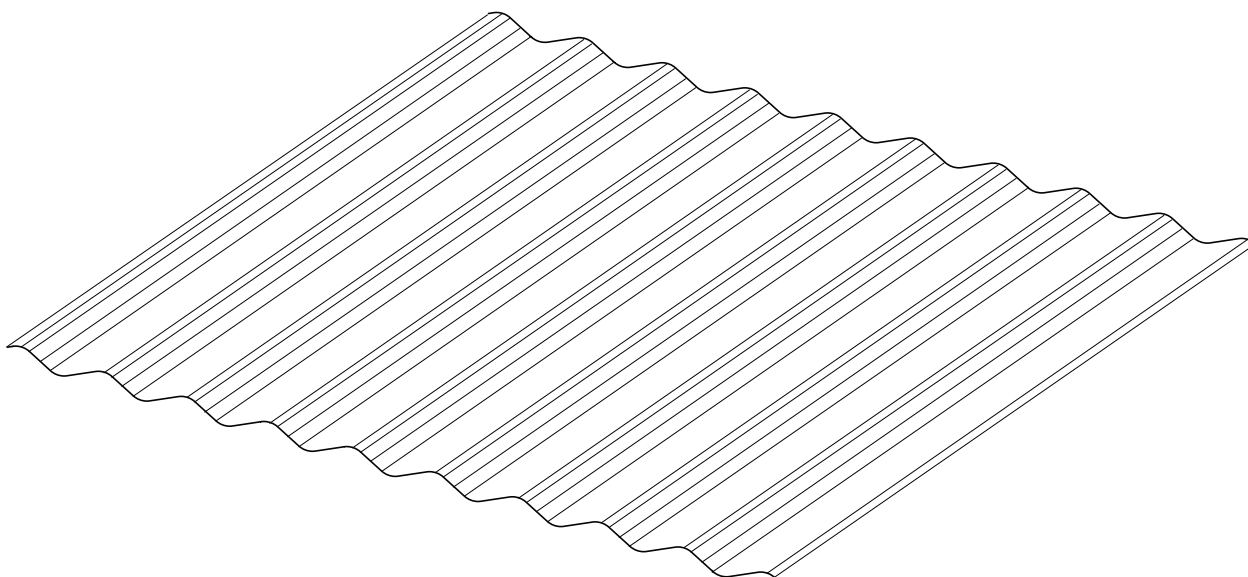
24"  
COVERAGE

MINIMUM  
3:12 SLOPE

APPLY OVER OPEN  
FRAMING OR  
SOLID SUBSTRATE

## HIGHLIGHTS

- ▶ Finishes: Bare Galvanized, MS Colorfast45<sup>®</sup>, and Acrylic Coated Galvalume<sup>®</sup>
- ▶ Gauge: 26ga standard
- ▶ 24" panel coverage, 1/2" rib height
- ▶ Applies over open framing or solid substrate
- ▶ 3:12 slope minimum



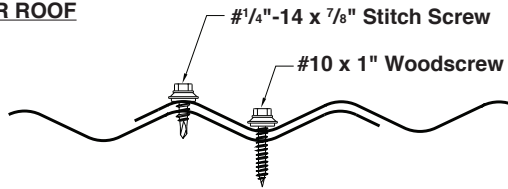
metal sales  
manufacturing corporation



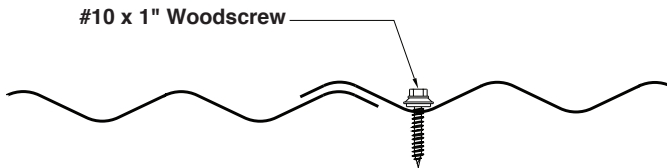
# 2.5" CORRUGATED

## ATTACHMENT DETAILS

### FOR ROOF

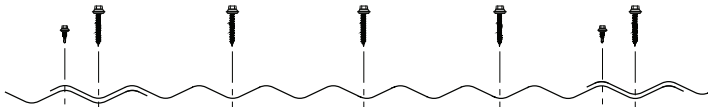


### FOR WALL

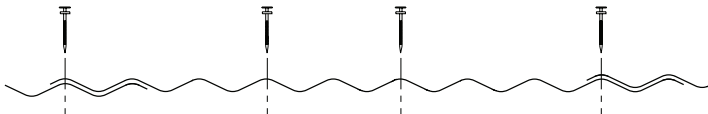


## FASTENING PATTERNS

### Typical Screw Fastening Pattern



### Typical Nail Fastening Pattern



## GENERAL INFORMATION

### ► Slope

The minimum recommended slope for corrugated roofing panel is 3:12.

### ► Substructure

Corrugated panel is designed to be utilized over open structural framing, but can easily be used with a solid substrate. To avoid panel distortion, use a properly aligned and uniform substructure.

### ► Coverage

Each panel has a coverage width of 24".

### ► Length

Minimum factory cut length is 3'-0". Maximum recommended panel length is 30'-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 (for applications involving the use of nails instead of screws, Metal Sales recommends nailing through the high part of the corrugation).

*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:* MS Colorfast45®, Acrylic Coated Galvalume®, and Bare Galvanized  
*Gauge:* 26ga standard  
 (See Metal Sales Product Color Charts for selection.)

## SECTION PROPERTIES

GA.	Width (in.)	Yield KSI	Weight PSF	Top in Compression <sup>1</sup>		Bottom in Compression <sup>1</sup>	
				I <sub>xx</sub> In <sup>4</sup> /ft	S <sub>xx</sub> In <sup>3</sup> /ft	I <sub>xx</sub> In <sup>4</sup> /ft	S <sub>xx</sub> In <sup>3</sup> /ft
26	24"	50	0.86	0.0060	0.0237	0.0060	0.0237

## ALLOWABLE UNIFORM LIVE LOADS PSF<sup>1,2,3,4</sup> (3 or More Equal Spans)

Inward (Gravity / Deflection) Load <sup>2,4</sup>						Outward Uplift (Stress) Load <sup>3</sup>					
2'	2.5'	3'	3.5'	4'	5'	2'	2.5'	3'	3.5'	4'	5'
98	50	29	18	12	6	148	96	67	49	38	24

- Theoretical section properties have been calculated per AISI 1996. "Specifications for the design of cold formed steel members." I<sub>xx</sub> and S<sub>xx</sub> 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.

**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