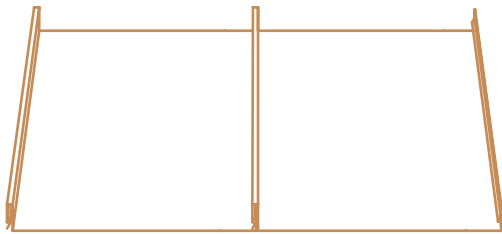
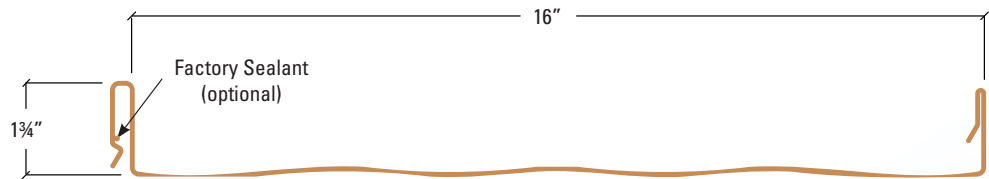


# ***WEATHER SNAP-16***

[www.whirlwindsteel.com](http://www.whirlwindsteel.com)



## WEATHER SNAP -16



Two Panels Show Above



Side Lap Detail

WEATHER SNAP-16 DESIGN PROPERTIES						
GAUGE/ THICKNESS	F <sub>y</sub> (KSI)	F <sub>b</sub> (KSI)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			I <sub>x</sub> (In <sup>4</sup> -Ft)	M <sub>a</sub> (Kip-In/Ft)	I <sub>x</sub> (In <sup>4</sup> -Ft)	M <sub>a</sub> (Kip-In/Ft)
24	50	1.26	0.0803	1.6467	0.0855	1.7817

**NOTES:**

1. All section properties are calculated in accordance with the 2007 edition of the *North American Specification For Design Of Cold-Formed Steel Structural Members*.
2. I<sub>x</sub> is for deflection determination.
3. M<sub>x</sub> is allowable bending moment.

**MATERIALS**

Unless otherwise specified, the exposed surfaces of all panels shall be either clear acrylic coated or factory painted GALVALUME®. GALVALUME® is a zinc-aluminum alloy coating that is applied to the base steel material. Acrylic coated GALVALUME® shall have a Coating Class AZ55 (0.55 ounces (combined total of both sides) per square foot). Factory painted GALVALUME® shall have a minimum Coating Class AZ50 (0.50 ounces (combined total of both sides) per square foot). GALVALUME® coated steel for panels shall conform to ASTM A792, Structural Quality. The 24 gauge panel shall conform to Grade 50 (50 ksi minimum yield strength). All material shall be ordered to a minimum decimal thickness. Minimum ordered thickness for coated steel products always includes the thickness of the coating.

**PAINTED FINISH**

All painted GALVALUME® shall be factory coated by a firm which coats coil products exclusively. The coater shall be responsible for ensuring color consistency, paint film hardness, and paint film thickness. Each side of the GALVALUME® will be coated with 0.2 mils baked-on primer before the color coating. The panel shall receive a KYNAR 500® Fluoropolymer finish coat on the exposed side. Thickness of the finish coat will be a nominal 1.0 mils (including the primer coat). A baked-on straight polyester wash coat will be applied on the non-exposed side. Thickness of the wash coat will be a nominal 0.5 mils (including the primer coat).

**LIMITED MATERIAL WARRANTY**

Specific conditions concerning each finish shall be covered in detail on the written warranty issued, on request, with each building. GALVALUME® panels shall have a twenty-five year limited warranty providing that GALVALUME® panels will not rupture, fail structurally, or perforate within a period twenty-five years after shipment due to exposure to normal atmospheric corrosion. The clear acrylic finish does not carry a warranty. The factory coated GALVALUME® panel shall have a thirty-year limited color finish warranty from excessive chalking and color change (fading), peeling and cracking. The wash coat does not carry a warranty.

**ROOF PANELS**

Panel coverage will be 16" to the weather and shall be side seamed manually using a "snap-lock" design. Maximum panel length shall be 45'-0". An optional factory applied bead of non-skinning butyl sealant can be placed in the female side of the corrugation. The minimum recommended roof slope is 3:12. Panels can be installed on a transition by using Whirlwind's die-formed rib covers. Weather Snap-16 roof panels are part of a roof system. All of the components of the roof system (clips, end dams, back-up plates, etc.) must be factory furnished for any warranty or uplift considerations. All roof systems shall be installed in accordance with the Whirlwind Erection Manual. Panels shall be secured to intermediate framing members with clips at each purlin panels shall be furnished square cut. Panels are not swaged.

- **UL CONSTRUCTION NO. 254**
- **UL 580 UP-LIFT TESTED CLASS 90 RATED**
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- **INCLINED: UNLIMITED**
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