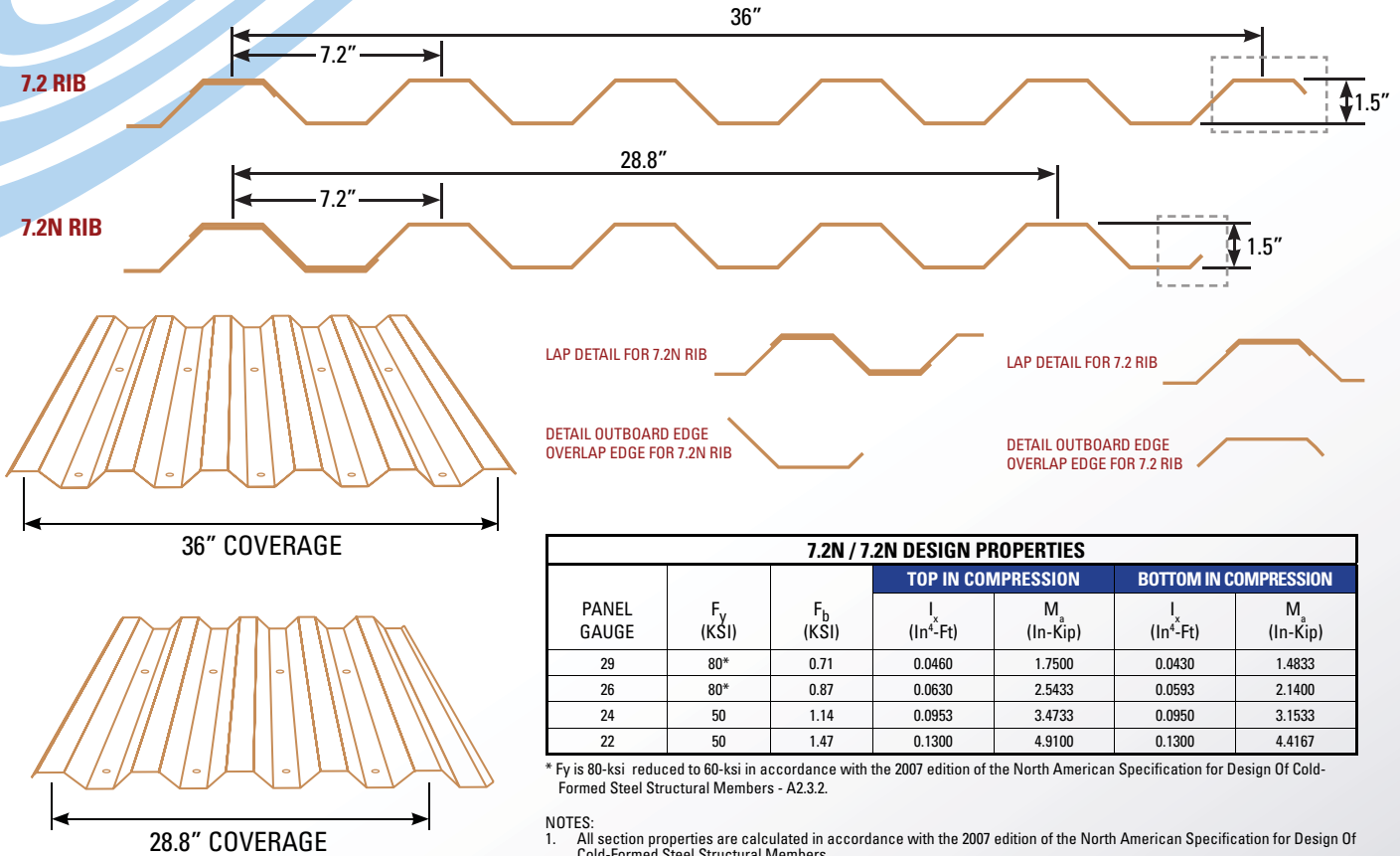


7.2 RIB / 7.2N RIB



7.2 RIB / 7.2N RIB



7.2N / 7.2N DESIGN PROPERTIES						
PANEL GAUGE	F _y (KSI)	F _b (KSI)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
			I _x (In ⁴ -Ft)	M _x (In-Kip)	I _x (In ⁴ -Ft)	M _x (In-Kip)
29	80*	0.71	0.0460	1.7500	0.0430	1.4833
26	80*	0.87	0.0630	2.5433	0.0593	2.1400
24	50	1.14	0.0953	3.4733	0.0950	3.1533
22	50	1.47	0.1300	4.9100	0.1300	4.4167

* F_y is 80-ksi reduced to 60-ksi in accordance with the 2007 edition of the North American Specification for Design Of Cold-Formed Steel Structural Members - A2.3.2.

NOTES:

- All section properties are calculated in accordance with the 2007 edition of the North American Specification for Design Of Cold-Formed Steel Structural Members.
- I_x is for deflection determination.
- M_x 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. Factory painted GALVALUME® shall have a minimum Coating Class AZ50. GALVALUME® coated steel for panels shall conform to ASTM A792, Structural Quality. The 29 and 26 gauge panels shall conform to Grade 80 (80 ksi minimum yield strength); the 24 and 22 gauge panels shall conform to Grade 50 (50 ksi minimum yield strength).

PAINTED FINISH GALVANIZED

All painted GALVALUME® shall be factory coated by a firm which coats coil products exclusively. The coater will 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 panels shall receive a baked-on silicone polyester 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, upon request, with each order. Minimum roof slope - ¼:12. GALVALUME® panels shall have a twenty-five (25) year limited warranty providing that GALVALUME® panels will not rupture, fail structurally, or perforate within a period of twenty-five (25) 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 (30) year limited color finish warranty from peeling and cracking, and a twenty-five (25) year limited color finish warranty from excessive chalking and color change (fading). The wash coat does not carry a warranty.

PANELS

Panel coverage will be 36" or 28.8" to the weather. Maximum panel length shall be 40'-0". Where endlaps are required, they shall be a minimum of 4" and shall occur at a purlin. Before securing, all laps of roof panels shall be sealed with a continuous ribbon of tape sealant. A closure strip shall be installed at the eave. Panels shall be secured to intermediate framing members with sheet metal screws at a maximum spacing of 7.2" on center. At endlaps, the maximum screw spacing shall be 7.2" on center. Sheet metal stitch screws at a maximum of 20" on center shall be installed at sidelaps. The panel must not rest on the concrete foundation; the panel must sit 1/8" above the concrete. Panels shall be furnished square cut. Before securing, all laps of roof panels shall be sealed with a continuous ribbon of tape sealant. A closure strip shall be installed at the eave.

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