



**Limitations (Continued):**

- **Roof Slope:** The metal roof panels may be installed on roofs with a roof slope as low as 1/2:12 if sealant is used on the panel laps. If sealant is not used on the panel laps, then the minimum roof slope is 3:12.

**Table 1.** Attachment of Minimum 29-Gauge Panel-Loc Plus Metal Roofing Panels to Nominal 2x4 Purlins

Design Wind Pressure (psf)	Purlins	Wood Purlins to Roof Framing	Panels to Purlins
-52.5	Nominal 2x4 SYP No. 2	Two No. 8 x 3 Bugle Head Screws per framing member	1/4-14 x 1-1/2 Type AB; 14 x 1-1/2 Type AB; or No. 10 x 1-1/2 Wodgrip

**Installation:**

- **General:** Install the steel roofing panels in accordance with the manufacturer's recommended installation instructions and this evaluation report.
- **Wood Purlins:** Minimum nominal 2x4 SYP No. 2.
- **Underlayment (If a solid Deck is used):** Use a minimum of one layer of No. 30 (Type II) asphalt felt. Use underlayment that complies with one or more of the following: ASTM D 226, ASTM D 4869, or ASTM D 1970. Install the underlayment with 4" side laps and 6" end laps. Apply the underlayment with corrosion resistant fasteners in accordance with the manufacturer's installation instructions and the IRC or the IBC.
- **Anchorage of Metal Panels to the Roof Deck:** Secure the metal roofing panels to the wood purlins in accordance with Table 1. The screws are to be located a maximum of 24" on center along the length of panel. The fastener spacing across the width of the panel must be 9" on center beginning 1-3/4" from the centerline on one side of each major rib.
- **Panel Side Laps:** As required by the manufacturer.
- **Panel Edges to the Roof Deck:** The screws are to be located a maximum of 24" on center along the length of panel.
- **Trims, Closures, and Accessories:** Install components, such as the eave trim, rake trim, ridge trim, hip trim, and valley trim as required by the manufacturer.
- **Panel Ends and End Laps:** Fastener spacing at panel ends to be 1-3/4", 5-1/2", 3-3/4", 5-1/2", 3-3/4", 5-1/2", 3-3/4", 5-1/2".

**Note:** Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.