



Product Evaluation

RC416 | 0914

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: RC-416 **Effective Date:** September 1, 2014
Re-evaluation Date: August 2018

Product Name: 1" Copper SSR Panel Standing Seam Metal Roof Panels Installed Over Plywood Deck

Manufacturer: Jones Aluminum, Inc.
9805 Mallot Road
Beaumont, TX 77713
(409) 866-5585

Accepted for use in areas along the Texas Gulf Coast when installed in accordance with the manufacturer’s installation instructions and this product evaluation.

Product Description:

The 1" SSR roof panel is a 16-ounce copper panel that has a mechanically-seamed double-lock sidejoint. The panel has an effective width of 12".

Limitations:

- **Roof Decking:** Install metal roof panels over a minimum of 15/32" thick plywood decking.
- **New Roof Deck Attachment:** The roof decking shall meet or exceed IRC and IBC uplift requirements, and the decking shall be installed in a manner to resist lateral loads.
- **Installation Over an Existing Roof Covering:** Installation over an existing roof covering is not permitted.
- **Roof Slope:** Do not install panels on roofs with a roof slope less than 2:12.
- **Design Wind Pressures:** For installations to minimum 15/32" thick plywood roof decks, design wind pressure limitations are specified below.

System	Design Pressure (psf)	Clip Spacing
1	-116	18"

Installation:

- **General:** Install metal roofing panels in accordance with the manufacturer's recommended installation instructions and this evaluation.
- **Deck:** The roof deck shall be solidly sheathed with minimum 15/32" plywood.
- **Underlayment:** Use a minimum of one (1) layer of No. 30 (Type II) asphalt felt. Underlayment shall comply with one or more of the following: ASTM D 226, ASTM D 4869, or ASTM D 1970. Install felt with 4" laps. Fasten felt to the roof deck with corrosion resistant fasteners in accordance with the manufacturer's installation instructions. Apply fasteners along the overlaps not farther apart than 36" on center.
- **Anchorage to Roof Decking:** Fasten metal roof panels to the roof deck with a 24-gauge, 2" wide AMSI (118-FC-24-S) one-piece stainless steel clip. Locate clips at panel ends, and are spaced 18" on center. Secure clips with two (2), AMSI #10-12 x 1" Pancake Type A screws. The screws must penetrate the sheathing a minimum of 3/16". The female rib of the panel is engaged over the male rib and field-seamed.
- **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:** As required by the manufacturer.
- **Panel Edges:** As required by the manufacturer.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.