

Product Evaluation

RC416 | 0320

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: March 1, 2020

Re-evaluation Date: March 2024

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

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

General Description:

The 1" SSR roof panel is a 16-ounce copper panel that has a mechanically seamed double-lock side joint. 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 must meet or exceed IRC and IBC uplift requirements, and the decking must be installed in a manner to resist lateral loads.

Installation Over an Existing Roof Covering: 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.

Table 1. 1" Copper SSR Panel Standing Seam Roof Panels Installed Over a Plywood Deck

Design Wind Pressure	Clip Spacing
-116 psf	18"

Installation:

General: Install metal roofing panels in accordance with the manufacturer's recommended installation instructions and this evaluation.

Deck: The roof deck must be solidly sheathed with minimum 15/32" plywood.

Underlayment: Use a minimum of one (1) layer of No. 30 (Type II) asphalt felt. Underlayment must 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), 2" long, 1-1/8" high, one-piece stainless-steel fixed clip. The clips are located at panel ends and are spaced 18" on center. Secure the 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: Keep the manufacturer's installation instructions available on the job site during the installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.