



Product Evaluation

RC413 | 0217

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-413

Effective Date: February 1, 2017

Re-evaluation Date: February 2021

Product Name: Aluminum Canopy Roof Deck Installed over Steel Purlins

Distributed by: Jones Aluminum
9805 Mallut Road
Beaumont, TX 77713
(409) 866-5585

General Description:

The aluminum canopy roof deck consist of the following components:

- **Bottom Piece:** WLB-576, 6063-T6 aluminum, 2.675" x 6.078" x 0.078".
- **Top Piece:** WLB-578, 6063-T6 aluminum, 1.830" x 6.078" x 0.078".

The top piece snaps into the bottom piece.

Limitations:

Roof framing: The aluminum canopy roof deck must be installed over open steel purlins.

Roof Framing Attachment: The roof framing must meet or exceed the uplift requirements of the IRC or the IBC and must be installed as required for resistance to wind loads.

Roof Slope: The roof deck does not have a roof slope requirement. Water on the roof deck must be free to flow off the roof deck.

Allowable Design Pressure: The allowable design pressure is a function of the span (distance between steel purlins). Refer to the approved drawings for the allowable design pressure.

Installation:

Approved Drawings: The aluminum canopy roof deck must be installed in accordance with Drawing No. S1.1, Rev. A; dated May 20, 2014; signed and sealed by Terrance E. Wolfe, P.E. on May 20, 2014. The stated drawings are referred to as approved drawings in this evaluation report. A copy of the approved drawings must be available at the job site.

General: The aluminum canopy roof deck must be installed in accordance with the manufacturer's installation instructions, the approved drawings, and this evaluation report.

Steel Purlins: Steel purlins must be minimum 16-gauge steel. The maximum spacing of the purlins is specified on the approved drawings.

Underlayment: N/A

Attachment of Roof Deck to Steel Purlins: The aluminum canopy roof deck is secured to the steel purlins with No. 12-24 x 1-1/2" long HWH TEK 5 screws with a bonded washer. A line of fasteners is required along each steel purlin. The fastener pattern and required spacing is specified on the approved drawings. The fasteners must be long enough to penetrate a minimum of 3 pitches of thread below the steel purlins.

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.