Product Evaluation

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: CAN-01

Effective Date: February 1, 2017
Re-evaluation Date: February 2021

Product Name: Aluminum Canopy

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

General Description:
The aluminum canopies consist of an aluminum roof deck, an aluminum drain beam, and aluminum posts. The canopies have a maximum overall size of 10'-6" wide and 27' in length. The aluminum roof panels come in lengths of 8', 10', and 12' and consist of two parts, the top and bottom. The roof panels are designed such that the top panel interlocks with the bottom panel. The aluminum canopy posts are to be anchored to the foundation. The anchorage of the posts to the foundation must be designed by a Texas licensed professional engineer.

Material:
Canopy Post: WLB-582 6063-T6 Aluminum, 4" x 4" x 0.135".

Drain Beam: WLB-575 6063-T6 Aluminum, 4" wide x 6" tall, 0.125" and 0.190" wall thickness x 10'-2" long with a 1-1/4" diameter hole over each post.

Roof Deck:
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".
Fascia: WLB-578 6063-T6 Aluminum, 1.830" x 6.078" x 0.078".

Overall Size: 10'-6" wide x 27' long.

Post Spacing: Maximum 9'-6".

Drain Beam Spacing: Maximum of 12'-0" on center.

Limitations:
General Requirements: This evaluation report is for the canopy only. The allowable post height, attachment of posts to foundation, and the foundation design must be by a Texas licensed professional engineer.

Roof Slope: The roof deck must be installed such that it has a minimum roof slope of 1/4" per foot.

Allowable Design Pressure: The allowable design pressure is a function of the drain beam spacing. Refer to the approved drawings for the allowable design pressure.

Construction: The canopies are valid for use in outdoor construction only. The canopies are designed as free-standing structures only; they are not to be secured to a structure.

Installation:
Approved Drawings: The aluminum canopies must be installed in accordance with Drawing No. S1.1, Rev. A; S1.2, Rev. A; S1.3, Rev. A; and D1.1, Rev. A; all dated July 23, 2013; all signed and sealed by Terrance Wolfe, P.E. on July 26, 2013. 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.

Design and Installation Requirements: The aluminum canopies must be designed and erected in accordance with this evaluation report, the approved drawings, and the applicable building codes adopted by the TDI. In the event of a conflict between the manufacturer's published installation instructions and this evaluation report, this evaluation report will govern. The approved drawings must be available at all times on the jobsite during installation.

Canopies must be designed and inspected by a Texas licensed professional engineer appointed as a qualified inspector. The approved drawings provide allowable roof spans and specifications on minimum connection requirements. Design drawings must be developed, sealed and dated by a Texas licensed professional engineer. The design drawings must reference the appropriate edition of the wind load standard (ASCE 7) used based on the current building specifications adopted by the TDI. The basic wind speed and the exposure category used for the design must be referenced on the design drawing. The existing site conditions must be carefully evaluated and any deviations from the approved drawings must be designed by the Texas licensed professional engineer. The engineer must consider all loading conditions on the canopy.

Allowable Design Pressure: The allowable design pressure of the canopy is a function of the drain beam spacing. Refer to the approved drawings for the allowable design pressure.

Foundation: The foundation is not part of this evaluation report. The foundation must be designed to resist the design loads from the canopy.

Columns: The column dimensions and the attachment to the roof deck are as required to resist the uplift loads specified in this evaluation report. The length of the columns has not been evaluated and must be designed to resist the required loads. A larger column cross section may be required. The attachment of the columns to a foundation is not part of this evaluation report. The attachment of the columns to a foundation must be designed to resist the design loads including resistance to lateral movement.

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.