



EVALUATION REPORT

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Product: Aluminum Soffit

Evaluator:

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812 La Cassia Drive
Boise, Idaho 83706

Manufacturing Location:

AlSCO Metals
800 Chase Avenue
Elk Grove Village, IL 60007

1. SUBJECT:

- AlSCO ValuBilt Triple 4 Full Vent Aluminum Soffit (VBT4V12280)
- AlSCO Quad 4 Vented Aluminum Soffit (ECNQ4V16280)

2. SCOPE:

The above products have been evaluated for compliance with the following codes:

- Florida Building Code Seventh Edition (2020) Residential
- Florida Building Code Seventh Edition (2020) Building
- State of Florida Product Approval Program, Rule 61G 20-3, F.A.C.

Evaluation Method:

- Evaluation Report from a Licensed Florida Professional Engineer, Douglas Hardin, P.E. (PE88957).

The following properties have been evaluated for the product(s) listed above:

- Wind load resistance in accordance with AAMA 1402.
- Net Free Areas in accordance with FBC 1709.10.1.

3. USES

AlSCO Triple 4 aluminum soffit and AlSCO Quad 4 aluminum soffit may be used as exterior rafter cladding in all areas not classified as High Velocity Hurricane Zones (Broward and Miami-Dade Counties) as indicated in the referenced codes.

4. DESCRIPTION

AlSCO aluminum soffit conforms to the requirements of AAMA 1402-09. The soffits are available in a solid, fully vented, or center vented construction. The soffits are produced in two profiles, Triple 4 and Quad 4, each in two nominal thicknesses, 0.017 in. and 0.019 in.

5. INSTALLATION

5.1 General. Installation of *AlSCO ValuBilt Triple 4 aluminum soffit and AlSCO Quad 4 aluminum soffit* products must comply with AAMA 1402, the referenced test reports, the manufacturer's published installation instructions and the applicable code. The manufacturer's published installation instructions must be available at the jobsite at all times during installation.

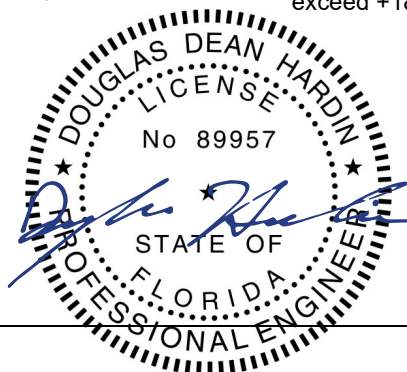
5.2 Support. The soffits must be installed over minimum single 2x4 stud grade SPF member at nailing strip intersection and 1x fascia member in accordance with the applicable code and installation guide. Flashing in accordance with the referenced code must be installed at all openings, penetrations, and abutments with dissimilar materials, and at terminations of the soffit.

5.3 Framing. The strength of the supporting framing, structural sheathing and the withdrawal strength of the fasteners shall be designed in accordance with the referenced codes by a registered design professional for the code required loads.

5.4 Attachment. Fasteners for attaching the aluminum soffit must be aluminum siding nail with 0.120 in. shank diameter (min.) and 5/16 in. head diameter (min.) or 7/16-in. x 1-in. x 16 Ga. staple at nailing strips, fascia members, and F or J channel. The fasteners must be able to penetrate not less than 3/4-inch into the framing.

5.5 Net Free Vent Area (NFVA). According to ICC NTA Report No. RC081720-31(R0) the net free vent area of the fully vented *Triple 4* soffit panel is 6.51 in² / 1-ft length of soffit. The net free vent area of the fully vented *Quad 4* soffit panel is 15.72 in² / 1-ft length of soffit.

5.6 Wind Resistance. The design wind pressures for the *AlSCO aluminum soffit* products determined in accordance with the referenced building codes must not exceed +180 psf or -69 psf.



6. CONDITIONS OF USE:

The *AlSCO aluminum soffit* described in this report complies with the codes listed in Section 2 of this report, subject to the following conditions:

- 6.1. Installation must comply with this report; the manufacturer's published installation instructions and the applicable code(s). In the event of conflict between the manufacturer's instructions and this report, this report governs.
- 6.2. Soffit may only be used as exterior rafter cladding in all areas not classified as High Velocity Hurricane Zones (Broward and Dade Counties) as indicated in the referenced codes.
- 6.3. Maximum wall stud spacing must not exceed 16 inches (406 mm) on center.
- 6.4. The soffit must be installed only on exterior framing capable of supporting the imposed transverse loads.

7. EVIDENCE SUBMITTED: The following evidence was submitted to evaluate this product:

- 7.1. Installation instructions.
- 7.2. ICC NTA Report: RC081720-31(R0): *Determining the Net Free Vent Area of (3) Soffit Products.*

7.3. ICC NTA Report: RC081720-33(R0): *Soffit Windload Tests per AAMA 1402.*

7.4. Fastener calculations dated 10/21/2020 by Tamarack Grove Engineering.

8. FINDINGS:

All aluminum siding described in this report conform to the requirements of the referenced building codes.

9. IDENTIFICATION:

- 9.1. Each package of the *AlSCO aluminum soffit* described in this report must include:
- 9.2. The approval holder and/or manufacturer name and city and state of manufacturing plant.
- 9.3. Product model number or name.
- 9.4. Method of approval and approval numbers as applicable.
- 9.5. The test standard or standards specified in Chapter 14 used to demonstrate code compliance.
- 9.6. The net free area shall be included on the packaging or label.

These requirements are per FBC 1709.10.3.

