Amoruso Consulting Engineering, LLC
FBPE Registration No. 38327
Robert J. Amoruso, FL P.E. No. 49752

226 N. Nova Rd., #142
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PRODUCT EVALUATION REPORT	
Project No.: ACE-2025-147	**Report No.:** ACE-PER-1165, Rev. 0

Product Description: Aerobreeze SFA PRO and SFA HP Model Series Solar Attic Fan

Product Manufacturer: Attic Breeze, P.O. Box 1318, 1370 FM 116, Gatesville, Texas 76528

Code Compliance Statement: This report evaluates the fenestration product(s) listed above to the requirements of FAC Product Approval Rule 61G20-3.005. This product complies with the requirements of the 8th Edition (2023) Florida Building Code including the High Velocity Hurricane Zone (HVHZ) per the product testing standards listed below.

Compliance Method: Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Documentation/References:

1. Installation Drawing No. ATBR0001, Rev. A, signed and sealed by Robert J. Amoruso, PE.
    a. This drawing is in conformance with the 8th Edition (2023) Florida Building Code including the High Velocity Hurricane Zone (HVHZ)

2. QAI Laboratories, Medley, Fl, 33166. Test Report No. Med-3208A, dated 08/29/25.
    a. Test for Structural Performance to TAS 202-94 (Structural Loading Only) at a Test Load of -220 Psf.
    b. Safety Factor of 2 Applied to Structural Test Load results yields design pressure of -110 psf.

3. FTL, Medley, FL, 33166. Test Report No. 12036, dated 03/21/20.
    a. Test for wind-driven rain resistance per TAS 100(A)-95, section 10.3 was performed.
    b. Structural testing for increased windspeed resistance for vents per TAS 100(A)-95, section 10.4 was performed.
    c. An installation height not to exceed 75 feet is applicable based on TAS 100(A)-95, table 3.
    d. Testing conducted using asphalt shingles.

4. Installation Anchorage Calculation No. 1165, Rev. 0, signed and sealed by Robert J. Amoruso, P.E.

Product Name Change:

Formally known as Cardinal Ventilation Series Solar Attic Fans; they have been rebranded as follows. There are no changes to the design or installation of the product as previously approved.

- Aerobreeze SFA PRO was originally branded as Cardinal Ventilation CV-XLP.
- Aerobreeze SFA HP was originally branded as Cardinal Ventilation CV-XLP PRO.

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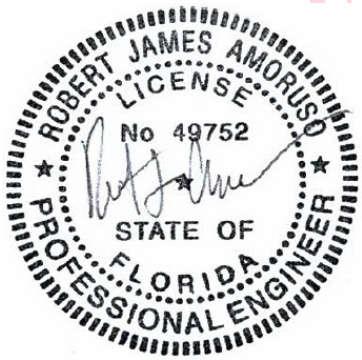
Limitations & Conditions of Use:

- This product has been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- This product has not been tested for impact resistance.
- Refer to Product Installation Instructions noted above for:
  - Maximum allowable wind loads at related maximum allowable size(s).
  - Overall dimensions and material/grade of main product components, accessories, etc.
  - Illustrated diagrams of the attachment of the product to substrate structure.
  - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.

Certificate of Independence per Product Approval Rule 61G20-3.009

Robert J. Amoruso, P.E., does not have, nor will he acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

Robert J. Amoruso, P.E., does not have, nor will he acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



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Evaluated by:
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Appendix A – Aluminum 3003-O Mechanical Properties

Used in engineering calculation for attic fan anchorage.

https://unitedaluminum.com/aluminum-3003-alloy/

TYPICAL MECHANICAL PROPERTIES DATA of ALUMINUM 3003:

The following typical aluminum 3003 properties are not guaranteed since in most cases they are average for various sizes and methods of manufacture and may not be exactly representative of any particular product or size. The data is intended for comparing alloys and tempers and should not be used for design purposes.

Source: Aluminum Standards & Data and United Aluminum data base

Alloy-Temper	Tensile Strength (ksi)	Yield Strength (ksi)	Elongation (%)
3003-O	16	6	30
3003-H14	22	21	3
3003-H18	29	27	3