



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

Smart Vent Products, Inc.

Insulated Flood Vent Overhead Garage Door Model #1540-524

Insulated Flood Vent Overhead Garage Door Model #1540-574

for

Florida Product Approval

FL# FL5822

Report No. 5892

Current Florida Building Code

Method:	2 – B (Engineering Evaluation)
Category:	Structural Components
Sub – Category:	Products Introduced as a Result of New Technology
Other Sub – Category:	Ventilation
Product:	Automatic Foundation Flood Vents (AFFV)
Material:	Stainless Steel
Product Dimensions:	See Installation Instructions

Prepared For:

Smart Vent Products, Inc.
19 Mantua Road
Mount Royal, NJ 08061

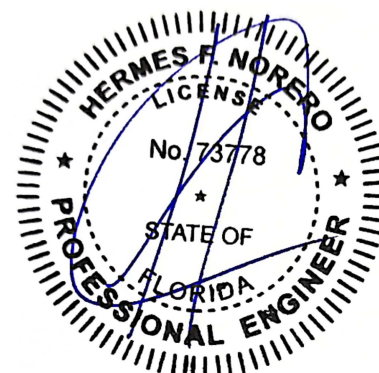
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 8/11/2023

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.14 14:39:35 -04'00'



Hermes F. Norero, P.E.
Florida P.E. No. 73778

398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Manufacturer: Smart Vent Products, Inc.

Product Category: Structural Components

Product Sub-Category: Products Introduced as a Result of New Technology

Compliance Method: State Product Approval Rule (2)(b)

Product Name: Insulated Flood Vent Overhead Garage Door Model #1540-524
Insulated Flood Vent Overhead Garage Door Model #1540-574

Scope:

This is a Product Evaluation Report issued by Hermes Norero, P.E. (FL # 73778) for **Smart Vent Products, Inc.** based on Method 2b of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions provided by **Smart Vent Products, Inc.**, verified by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).
2. This is a component approval for insulated flood vents for use in insulated or non-insulated overhead sectional garage doors (under separate approval). See Installation Instructions for limitations of door construction.
3. Vent is rated for a design pressure of +55/-65 psf. Allowable design pressure of the assembly shall be limited to the lesser of the vent and the garage door (under separate approval).
4. Product anchors shall be as listed and spaced as shown on details.
5. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the Florida Building Code and does not require an impact resistant covering.
6. Site conditions that deviate from the details of the drawings require further engineering analysis by a licensed engineer or registered architect.
7. See Installation Instructions for size and design pressure limitations.
8. Construction shall meet requirements of Section 1612 of the FBC as deemed technically relevant due to site conditions.

- Quality Assurance:** The manufacturer has demonstrated compliance of ventilation products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Architectural Testing, Inc.** (FBC Organization #: QUA1844)
- Performance Standards:** The product described herein has been tested per:
- ASTM E330-14
 - ASCE 24-14
 - TAS 202-94
- Code Compliance:** The product described herein complies with current FBC Section 1708.2 and the intent of current FBC Section 1612.5(1)(1.2).
- Referenced Data:**
1. Product Testing performed by **Architectural Testing, Inc.**
(FBC Organization #: TST1558)
Report: Dated:
01-42966.01 11/15/02
38957.102-122-44 11/16/05
60619.01-122-47 11/16/05
61877.01-122-44 01/06/06
94135.01-109-18 08/31/09
Signed & Sealed by: Michael D. Stremmel, P.E. FL # 65868
 2. Product Testing performed by **Blackwater Testing, Inc.**
(FBC Organization #: TST10394)
Report: Dated:
BT-SVP-16-001 01/06/17
BT-SVP-18-001 06/13/18
BT-SVP-18-002 08/07/18
Signed & Sealed by: Constantine Bortes, P.E. FL # 77915
 3. Quality Assurance
Architectural Testing, Inc.
(FBC Organization #: QUA1844)
 4. ICC Evaluation Service
ESR-2074: Meets requirements of AC364
Reissued February 2017
Revised November 2017

Installation: Refer to Installation Instructions by the Manufacturer for installation requirements.

Design Pressure: Refer to Installation Instructions by the Manufacturer for applicable design pressure requirements.

Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. **Smart Vent Products, Inc.** has tested their products to the following test standard edition(s):

- 1) ASTM E330-02

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

- 1) ASTM E330-14

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance. All referenced standards have been found to be equivalent.