OMB No. 1660-0008 Expiration Date: November 30, 2018

IMPORTANT: In these spaces, copy the corresponding information from Section A. Building Street Address (including Apt. Unit Suite, and/or Bldg, No.) or P.O. Route and Rox No.	n from Section A.	FOR INSURANCE COMPANY USE
7848 MIDNIGHT PASS ROAD		oney Manned.
City State SARASOTA Florida	ZIP Code 34242	Company NAIC Number
SECTION G - COMMUNITY INFORMATION (OPTIONAL)	NFORMATION (OPTIONAL)	
The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.	he community's floodplain ma he applicable item(s) and sign	nagement ordinance can complete below. Check the measurement
G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)	ntation that has been signed any vation information. (Indicate th	nd sealed by a licensed surveyor, e source and date of the elevation
G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.	ted in Zone A (without a FEM	4-issued or community-issued BFE)
G3. 🔲 The following information (Items G4–G10) is provided for community floodplain management purposes	mmunity floodplain managem	ent purposes.
G4. Permit Number 17 - 108746 B1 G5. Date Permit Issued	G6.	Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for: ☐ New Construction ☐	New Construction Substantial Improvement	
G8. Elevation of as-built lowest floor (including basement) of the building:	feet	meters Datum
G9. BFE or (in Zone AO) depth of flooding at the building site:	eet [meters Datum
G10. Community's design flood elevation:	[feet	meters Datum
Local Official's Name	Title	
Community Name	Telephone	
Signature	Date	-
Comments (including type of equipment and location, per C2(e), if applicable)	viicable)	
		Check here if attachments.

OMB No. 1660-0008 Expiration Date: November 30, 2018

ELEVATION CERTIFICATE Important: Follow the instructions on pages 1–9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

B4. Map/Panel Number 12115C - 0207 B11. A7. **A5** A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. B12. B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: B1. NFIP Community Name & Community Number **A8**. A6. LT 32 BLK B, MIRA MAR; LT 8 & S 23' OF LT 9 MEASURED IN PARALLEL LINES TO N LINE OF LT 8 CEDARS 7848 MIDNIGHT PASS ROAD SARASOTA COUNTY - 125144 LANCE A. SMITH & SALLY B. LUCE A9. For a building with an attached garage: **Building Diagram Number** Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) **Building Owner's Name** ೦ <u>D</u> a 9 0 চ For a building with a crawlspace or enclosure(s): Latitude/Longitude: Lat. 27.23666° SARASOTA ட a) Square footage of crawlspace or enclosure(s) Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance Indicate elevation datum used for BFE in Item B9: Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date FIS Profile Total net area of flood openings in A9.b Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade Engineered flood openings? Total net area of flood openings in A8.b Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade Engineered flood openings? Square footage of attached garage П × FIRM B5. Suffix SECTION A - PROPERTY INFORMATION SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION Community Determined B6. FIRM Index Date 11/04/2016 X Yes ☐ Yes × No □ No 739 512 0 **CBRS** Long. -82.52396° B7. FIRM Panel Effective/ Revised Date 11/04/2016 **NGVD 1929** sq in ☐ Other/Source: sq ft OPA sq in 0 SARASOTA **B2.** County Name Florida State X NAVD 1988 Æ B8. Flood Zone(s) RESIDENTIAL Horizontal Datum: Other/Source: 34242 Policy Number: FOR INSURANCE COMPANY USE Company NAIC Number: ZIP Code B9. Base Flood Elevation(s)
(Zone AO, use Base
Flood Depth) 0 NAD 1927 Florida **B**3. PID: 0127060001 State X NAD 1983 Yes 0 ×

OMB No. 1660-0008 Expiration Date: November

	Expiration Date: November	November 30, 2018
IMPORTANT: In these spaces, copy the corresponding information from Section A. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 7848 MIDNIGHT PASS ROAD	FOR INSURANCE COMPANY USE Policy Number:	IPANY USE
City State ZIP Code SARASOTA Florida 34242	Company NAIC Number	
SECTION E BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)	OT REQUIRED)	
For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR complete Sections A, B,and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Pue enter meters.	rt a LOMA or LOMR-F request, urement used. In Puerto Rico only,	st, only,
E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is the highest adjacent grade (HAG) and the lowest adjacent grade (LAG). a) Top of bottom floor (including basement, crawlspace, or enclosure) is	m	below the HAG.
E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 the next higher floor (elevation C2.b in the diagrams) of the building is	(see pages 1–2 ☐ above or [of Instructions),
	☐ above or [below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is feet meters above or below the below the floodplain management ordinance? vs No labore To labore floodplain management ordinance? vs No No To labore floodplain management ordinance.	☐ feet ☐ meters ☐ above or ☐ below the HAI community's	below the HAG.
SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION	CERTIFICATION	
The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a Ficommunity-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of Property Owner or Owner's Authorized Representative's Name	Zone A (without a FEMA-issued or correct to the best of my knowledge.	wledge.
Address	State ZIP C	Code
Signature	Telephone	
Comments	y y	
	Check here if attachments	achments.

BUILDING PHOTOGRAPHS

See Instructions for Item A6.

OMB No. 1660-0008 Expiration Date: November 30, 2018

	ביקרוומים: במים: היסיכוומים סט, בסוס
IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Policy Number:
ON WICHIGHT TAGGROUP	
City State ZIP Code	Company NAIC Number
SARASOTA Florida 34242	183

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

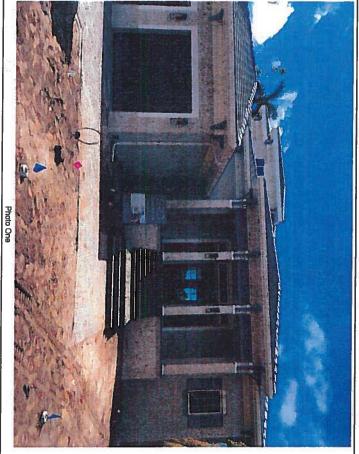


Photo One Caption FRONT VIEW 2/14/18



Photo Two Caption REAR VIEW 2/14/18

FEMA Form 086-0-33 (7/15)

BUILDING PHOTOGRAPHS

Continuation Page

OMB No. 1660-0008 Expiration Date: November 30, 2018

Company NAIC Number	21F Code 34242	Florida	SARASOTA
	ZIDOLL	Otata	City
đ		7848 MIDNIGHT PASS ROAD	7848 MIDNI
Policy Number:		Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Building Stre
FOR INSURANCE COMPANY USE	ion from Section A.	IMPORTANT: In these spaces, copy the corresponding information from Section A.	IMPORTANI

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

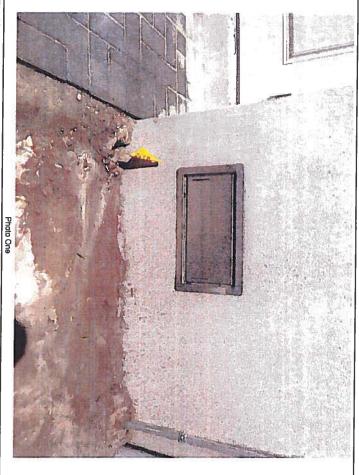


Photo One Caption VENTS 2/14/18

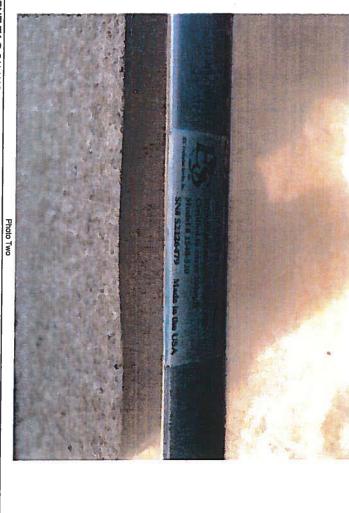


Photo Two Caption VENT TAG 2/14/18

FEMA Form 086-0-33 (7/15)



Most Widely Accepted and Trusted

C-ES Report

ESR-2074

ICC-ES | (800) 423-6587 | (562) 699-0543 | www.icc-es.org

Reissued 02/2017
This report is subject to renewal 02/2019.

SECTION: 08 95 43—VENTS/FOUNDATION FLOOD VENTS **DIVISION: 08 00 00—OPENINGS**

REPORT HOLDER:

SMARTVENT PRODUCTS, INC.

PITMAN, NEW JERSEY 08071 430 ANDBRO DRIVE, UNIT 1

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS:

MODELS #1540-520; #1540-521; #1540-510; #1540-511;

#1540-570; #1540-574; #1540-524; #1540-514



Look for the trusted marks of Conformity!

"2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence"





specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not





to any finding or other matter in this report, or as to any product covered by the report



ICC-ES **Evaluation Report**

ESR-2074

Reissued February 2017

This report is subject to renewal February 2019.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

Section: 08 95 43—Vents/Foundation Flood Vents **DIVISION: 08 00 00—OPENINGS**

Subsidiary of the International Code Council®

REPORT HOLDER:

SMARTVENT PRODUCTS, INC. 430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071 www.smartvent.com (877) 441-8368 info@smartvent.com

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514

EVALUATION SCOPE

Compliance with the following codes:

- Code® 2012, (IBC) 2009 and 2006 International Building
- 2015, 2012, 2009 and 2006 International Residential Code® (IRC)
- 2013 Abu Dhabi International Building Code (ADIBC)

 $^{\rm t}{\rm The~ADIBC}$ is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Physical operation
- Water flow

2.0 USES

operated flood vents (FVs) employed to equalize hydrostatic pressure on walls of enclosures subject to The Smart Vent® units are engineered mechanically operated flood vents (FVs) employed to equalize natural ventilation. rising or falling flood waters. Certain models also allow

3.0 DESCRIPTION

either direction to equalize water level and hydrostatic pressure from one side of the foundation to the other. The FV pivoting door is normally held in the closed position by a buoyant release device. When subjected to rising water, the buoyant release device causes the unit to unlatch, allowing the door to rotate out of the way and allow flow. When subjected to rising water, the Smart Vent® FVs internal floats are activated, then pivot open to allow flow in

> Automatic Foundation Flood Vents are available in various models and sizes as described in Table 1. The SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 units each contain two vertically arranged openings per unit. The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. Smart Vent®

Engineered Opening:

The FVs comply with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)] for a maximum rate of rise and fall of 5.0 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Smart Vent FVs must be installed in accordance with Section 4.0.

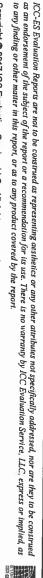
Ventilation:

Overhead Door Model #1540-514 both have screen covers with 1/4-inch-by-1/4-inch (6.35 by 6.35 mm) openings, yielding 51 square inches (32 903 mm²) of net free area to supply natural ventilation. The SmartVENT® Stacking ventilation. Other FVs recognized in this report do not offer natural in one assembly, and provides 102 square inches (65 806 mm²) of net free area to supply natural ventilation. Model #1540-511 consists of two Model #1540-510 units SmartVENT® Model #1540-510 and SmartVENT®

4.0 DESIGN AND INSTALLATION

walls of any thickness. In order to comply with the engineered opening design principle noted in Section 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the construction from the excellent with vents must be in accordance with terminations, the applicable code ASCE/SEI 24-05 (2012, 2009, 2006 IBC ar Smart Vent® FVs must be installed as follows: SmartVENT[®] and FloodVENT[®] are designed to be installed into walls or overhead doors of existing or new Installation clips allow mounting in masonry and SmartVENT® and FloodVENT® and the manufacturer's Installation of the this concrete report.

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 200 square feet (18.6 m²) of enclosed area, except that the SmartVENT Stacking Model #1540-511 and installed with a minimum of one FV 400 square feet (37.2 m²) of enclosed area. FloodVENT® Stacking Stacking Nodel #1540-521 렃 must every and
- Below the base flood elevation.





■ With the bottom of the FV located a maximum of 12 inches (305.4 mm) above the higher of the final grade or floor and finished exterior grade immediately under each opening.

5.0 CONDITIONS OF USE

The Smart Vent® FVs described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The Smart Vent® FVs must be installed in accordance with this report, the applicable code and the manufacturer's installation instructions. In the event of a conflict, the instructions in this report govern.
- 5.2 The Smart Vent® FVs must not be used in the place of "breakaway walls" in coastal high hazard areas, but

are permitted for use in conjunction with breakaway walls in other areas.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015.

7.0 IDENTIFICATION

The Smart VENT® models recognized in this report must be identified by a label bearing the manufacturer's name (Smartvent Products, Inc.), the model number, and the evaluation report number (ESR-2074).

TABLE 1-MODEL SIZES

MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT®	1540-520	15 ³ / ₄ " X 7 ³ / ₄ "	200
SmartVENT®	1540-510	15 ³ / ₄ " × 7 ³ / ₄ "	200
FloodVENT® Overhead Door	1540-524	15 ³ / ₄ " X 7 ³ / ₄ "	200
SmartVENT® Overhead Door	1540-514	15 ³ / ₄ " X 7 ³ / ₄ "	200
Wood Wall FloodVENT®	1540-570	14" X 8 ³ / ₄ "	200
Wood Wall FloodVENT® Overhead Door	1540-574	14" X 8 ³ / ₄ "	200
SmartVENT® Stacker	1540-511	16" X 16"	400
FloodVent [®] Stacker	1540-521	16" X 16"	400
7-21. 4 : 2			

For SI: 1 inch = 25.4 mm; 1 square foot = m^2

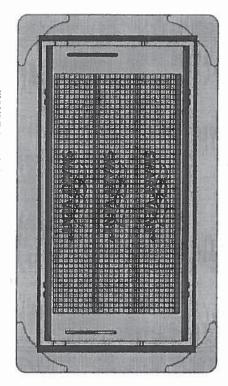


FIGURE 1-SMART VENT: MODEL 1540-510

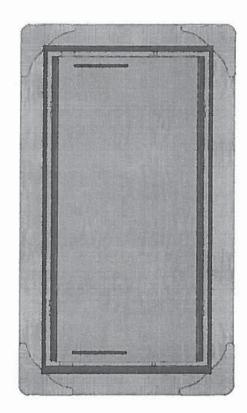


FIGURE 2—SMART VENT MODEL 1540-520

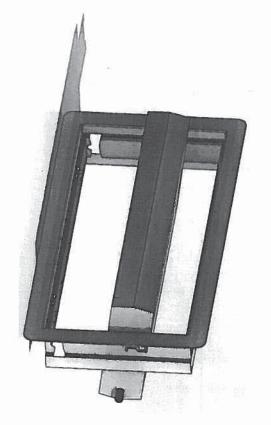


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN



ICC-ES **Evaluation Report**

ESR-2074 CBC and CRC Supplement

Issued January 2017

This report is subject to renewal February 2019.

www.icc-es.org | (800) 423-6587 (562) 699-0543

Subsidiary of the International Code Council®

DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

PITMAN, NEW JERSEY 08071 SMARTVENT PRODUCTS, INC. 430 ANDBRO DRIVE, UNIT 1 (877) 441-8368 info@smartvent.com www.smartvent.com

EVALUATION SUBJECT:

#1540-574; #1540-524; #1540-514 SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570;

REPORT PURPOSE AND SCOPE

recognized in The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation recognized in ICC-ES master evaluation report ESR-2074, have also been evaluated for compliance with been evaluated for compliance with Flood Vents, codes noted

Applicable code edition:

- 2016 California Building Code (CBC)
- 2016 California Residential Code (CRC)

2.0 CONCLUSIONS

CBC:

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with 2016 CBC Chapter 12, provided the design and installation are in accordance with the 2015 International Building Code® (IBC) provisions noted in the master report and the additional requirements of CBC Chapters 12, 16 and 16A, as applicable

The products recognized in this supplement have not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

2.2 CRC:

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with the 2016 CRC, provided the design and installation are in accordance with the 2015 *International Residential Code*® (IRC) provisions noted in the master report. (IRC) provisions noted in the master report.

The products recognized in this supplement have not been evaluated under 2016 CRC Chapter R337, for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the International Wildland-Urban Interface Code®.

This supplement expires concurrently with the master report, reissued February 2017.



ICC-ES Evaluation Report

SR-2074 FBC Supplement

Reissued February 2017

This report is subject to renewal February 2019.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

Subsidiary of the International Code Council®

DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

SMARTVENT PRODUCTS, INC. 430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071 info@smartvent.com www.smartvent.com (877) 441-8368

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation Flood Vents, recognized in ICC-ES master report ESR-2074, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2014 Florida Building Code--Building (FBC)
- 2014 Florida Building Code—Residential (FRC)

2.0 CONCLUSIONS

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with the FBC and the FRC, provided the design and installation are in accordance with the *International Building Code®* provisions noted in the master report.

Hurricane Zone provisions of the FBC and the FRC. Use of the Smart Vent® Automatic Foundation Flood Vents has also been found to be in compliance with the High-Velocity

For products falling under Florida Rule 9N-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, reissued February 2017