U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency National Flood Insurance Program

OMB No. 1660-0008 Expiration Date: November 30, 2022

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.

	SEC	TION A - PROPERT	Y INFOR	MATION	··············	FOR INSU	RANCE COMPANY USE
A1. Building Owner's Name				Policy Nur	nber:		
Timothy R. People	es and Reger	a A. Peoples					·
A2. Building Stree Box No. 8239 Midnight Pa		cluding Apt., Unit, Sui	te, and/o	r Bldg. No.) o	or P.O. Route and	Company	NAIC Number:
City	***			State		ZIP Code	
Sarasota				Florida		34242	
	•	nd Block Numbers, Ta lock "A", Ocean View,				•	
A4. Building Use	(e.g., Reside	ntial, Non-Residential,	Addition	, Accessory,	etc.) Resident	tial	
A5. Latitude/Long	itude: Lat. 2	7°13'54"	Long. 8	32°31'12"	Horizont	al Datum: NAD	1927 X NAD 1983
A6. Attach at leas	t 2 photograp	hs of the building if th	e Certific	ate is being	used to obtain flo	od insurance.	_
A7. Building Diagr	am Number	1B		_			
A8. For a building	with a crawls	pace or enclosure(s):					
a) Square foo	tage of craw	space or enclosure(s))		N/A sq ft		
b) Number of	permanent fl	ood openings in the cr	awispac	e or enclosur		ot above adjacent g	rade N/A
c) Total net a	rea of flood o	penings in A8.b	•	N/A sqi	n		
d) Engineere	d flood openi	ngs? ☐ Yes 🗵 I	No.				
A9. For a building	·		10				
				682.00 sq f	•		
a) Square foo	_	T:					
·		ood openings in the at	ttacned g	-		ajacent grade 5	
c) Total net a	ea of flood o	penings in A9.b		640 so	į in		520
d) Engineered	l flood openir	gs? ⊠ Yes ☐ i	No				
a s	SI	CTION B - FLOOD	INSURA	NCE RATE	MAP (FIRM) IN	FORMATION	
B1. NFIP Commur	nity Name & 0	Community Number		B2. County	Name		B3. State
City of Sarasota 1	25150			Sarasota			Florida
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	Effe	RM Panel ective/ vised Date	B8. Flood Zone(s)	B9. Base Flood (Zone AO, us	Elevation(s) se Base Flood Depth)
12115C0207	F	11-04-2016	11-04-	2016	AE e	10	
☐ FIS Profil	e 🗵 FIRM	Base Flood Elevation Community Deter	mined [Other/Sou	ırce:	d in Item B9:	
			_		-	-	
B12. Is the buildin	g located in a	a Coastal Barrier Reso	ources Sy	ystem (CBRS	S) area or Otherwi	ise Protected Area (OPA)? 🗌 Yes 🗵 No
Designation	Date:		CBRS	☐ OPA			

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30, 2022

MPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or 8239 Midnight Pass Road	Bldg. No.) or P.O. Rou	te and Box No.	Policy Number:	
City Stat Sarasota Flor		Code 42	Company NAIC Number	
SECTION C – BUILDING ELI	EVATION INFORMAT	ION (SURVEY RE	QUIRED)	
C1. Building elevations are based on: *A new Elevation Certificate will be required when concern the complete Items C2.a—h below according to the build Benchmark Utilized: NGS B 715 (DL1849) Indicate elevation datum used for the elevations in items.	onstruction of the building VE, V1–V30, V (with Billing diagram specified in vertical Datum:	FE), AR, AR/A, AR/A in Item A7. In Puerto NAVD 1988	AE, AR/A1-A30, AR/AH, AR/AO.	
a) Top of bottom floor (including basement, crawlspane) b) Top of the next higher floor c) Bottom of the lowest horizontal structural member d) Attached garage (top of slab) e) Lowest elevation of machinery or equipment serve (Describe type of equipment and location in Common f) Lowest adjacent (finished) grade next to building g) Highest adjacent (finished) grade next to building h) Lowest adjacent grade at lowest elevation of decistructural support SECTION D – SURVEYOR, This certification is to be signed and sealed by a land sur	ace, or enclosure floor) r (V Zones only) ricing the building ments) (LAG) (HAG) k or stairs, including ENGINEER, OR ARC	CHITECT CERTIFIC	law to certify elevation information.	
I certify that the information on this Certificate represents statement may be punishable by fine or imprisonment und Were latitude and longitude in Section A provided by a lice	my best efforts to inter der 18 U.S. Code, Sect	pret the data availai tion 1001.	ble. I understand that any false	
Certifier's Name F. Peter Lutz, Jr. Title Professional Surveyor & Mapper Company Name George F. Young, Inc. Address 10540 Portal Crossing, Ste. 105	License Number 5506		Place Place Liseal Hiele	
City Bradenton	State ¹ Florida	ZIP Code 34211		
Signature A Date Luff	Date 03/16/20	Telephone 941-747-2981	Ext. 8215	
Copy all pages of this Elevation Certificate and all attachmen		ficial, (2) insurance a	igent/company, and (3) building owner.	
Comments (including type of equipment and location, per Item C2(e) is the water heater. Item A5: the Latitude and Longitude were obtained from CI Item A9(d) is Smart Vent Model 1540-520 (200 Sq. Ft.)	,			

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, and/ 8239 Midnight Pass Road	or Bidg. No.) or P.O. Rou	ite and Box No.	Policy Number:
-	tate ZIP	Code	Company NAIC Number
	Florida 342		
SECTION E – BUILDING ELE FOR ZONE	EVATION INFORMATIO AO AND ZONE A (WIT	N (SURVEY NOT THOUT BFE)	REQUIRED)
For Zones AO and A (without BFE), complete Items E1- complete Sections A, B,and C. For Items E1–E4, use na enter meters.	atural grade, if available. (Check the measure	ment used. In Puerto Rico only,
E1. Provide elevation information for the following and of the highest adjacent grade (HAG) and the lowest grade (HAG) a	check the appropriate box djacent grade (LAG).	ces to show whethe	r the elevation is above or below
 a) Top of bottom floor (including basement, crawlspace, or enclosure) is 		☐ feet ☐ meter	s above or below the HAG.
 Top of bottom floor (including basement, crawlspace, or enclosure) is 		☐ feet ☐ meter	
E2. For Building Diagrams 6–9 with permanent flood op	enings provided in Section	on A Itoms & and/or	9 (see pages 1. 2 of Instructions)
the next higher floor (elevation C2.b in the diagrams) of the building is		feet meter	
E3. Attached garage (top of slab) is	<u> </u>	☐ feet ☐ meter	s above or below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is		☐ feet ☐ meter	s 🔲 above or 🔲 below the HAG.
E5. Zone AO only: If no flood depth number is available floodplain management ordinance? Yes	, is the top of the bottom No Unknown. The	floor elevated in ac local official must o	cordance with the community's
SECTION F - PROPERTY OWN	ER (OR OWNER'S REPI	RESENTATIVE) CE	RTIFICATION
The property owner or owner's authorized representative community-issued BFE) or Zone AO must sign here. The	who completes Sections	s A. B. and E for Zo	ne A (without a FEMA-issued or
Property Owner or Owner's Authorized Representative's	Name		
Address	City		ate ZIP Code
Signature	Date		lephone
-			
Comments			
			94
			=
			0

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30, 2022

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: 8239 Midnight Pass Road City State **ZIP Code** Company NAIC Number Sarasota Florida 34242 SECTION G - COMMUNITY INFORMATION (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. 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.) 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. The following information (Items G4-G10) is provided for community floodplain management purposes. G4. Permit Number G5. Date Permit Issued G6. Date Certificate of Compliance/Occupancy Issued G7. This permit has been issued for: New Construction ☐ Substantial Improvement Elevation of as-built lowest floor (including basement) feet meters Datum of the building: feet meters G9. BFE or (in Zone AO) depth of flooding at the building site: 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) Check here if attachments.

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

See Instructions for Item A6.

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: in these spaces,	FOR INSURANCE COMPANY USE Policy Number:		
Building Street Address (includin 8239 Midnight Pass Road			
City	State	ZIP Code	Company NAIC Number
Sarasota	Florida	34242	

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.

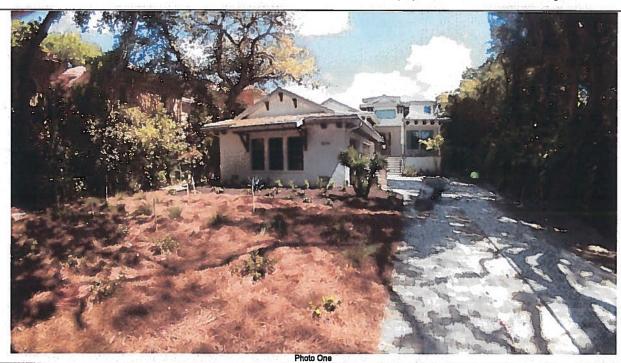


Photo One Caption Front View 03/16/20 Clear Photo One

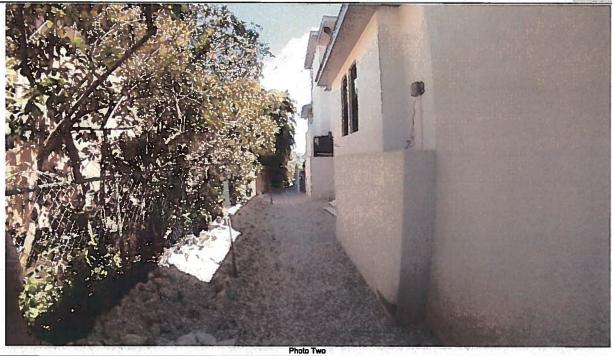


Photo Two Caption Side View 03/16/20

Clear Photo Two

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces,	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 8239 Midnight Pass Road			Policy Number:
City	State	ZIP Code	Company NAIC Number
Sarasota	Florida	34242	

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.

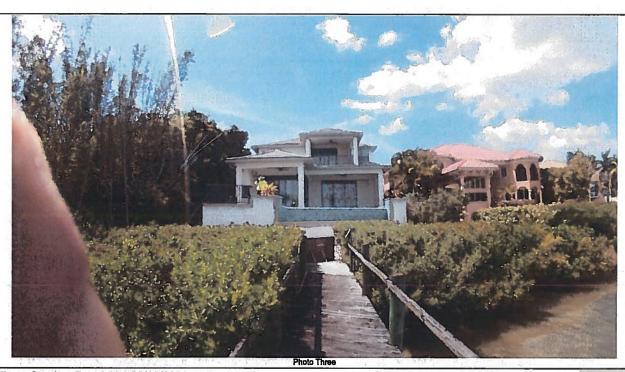


Photo Three Caption Rear View 03/16/20

Clear Photo Three



Photo Four Caption Side View 03/16/20

Clear Photo Four

FLS822



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ESR-2074

This report is subject to renewal 02/2019.

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**

EVALUATION SUBJECT:

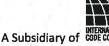
SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514



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ICC-ES Evaluation Report

ESR-2074

Reissued February 2017

This report is subject to renewal February 2019.

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A 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 (877) 441-8368

www.smartvent.com 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

1.0 EVALUATION SCOPE

Compliance with the following codes:

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

[†]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

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

3.0 DESCRIPTION

3.1 General:

When subjected to rising water, the Smart Vent® FVs internal floats are activated, then pivot open to allow flow in 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.

The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. Smart Vent® 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.

3.2 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.

3.3 Ventilation:

The SmartVENT® Model #1540-510 and SmartVENT® 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 Model #1540-511 consists of two Model #1540-510 units in one assembly, and provides 102 square inches (65 806 mm²) of net free area to supply natural ventilation. Other FVs recognized in this report do not offer natural ventilation.

4.0 DESIGN AND INSTALLATION

SmartVENT® and FloodVENT® are designed to be installed into walls or overhead doors of existing or new construction from the exterior side. Installation of the vents must be in accordance with the manufacturer's instructions, the applicable code and this report. Installation clips allow mounting in masonry and concrete 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 Smart Vent® FVs must be installed as follows:

- 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 FloodVENT® Stacking Model #1540-521 must be installed with a minimum of one FV for every 400 square feet (37.2 m²) of enclosed area.
- 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 " X 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

For SI: 1 inch = 25.4 mm; 1 square foot = m²

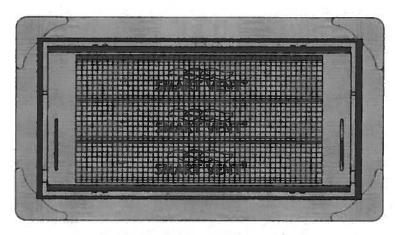


FIGURE 1-SMART VENT: MODEL 1540-510

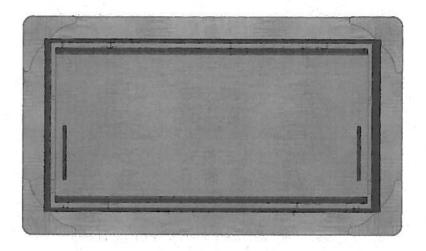


FIGURE 2—SMART VENT MODEL 1540-520

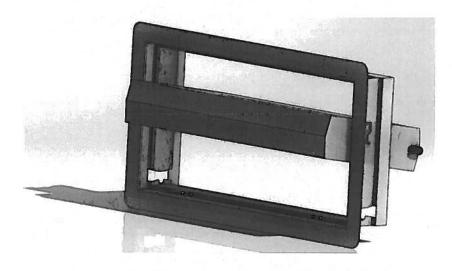


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

Issued January 2017

This report is subject to renewal February 2019.

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A 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** (877) 441-8368 www.smartvent.com 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

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 evaluation report ESR-2074, have also been evaluated for compliance with codes noted below.

Applicable code edition:

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

2.0 CONCLUSIONS

2.1 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.

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

ESR-2074 FBC Supplement

Reissued February 2017

This report is subject to renewal February 2019.

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A 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** (877) 441-8368 www.smartvent.com 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

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.

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

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.

