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

OMB No. 1560-0008 Expiration Date: November 30, 2018

ELEVATION CERTIFICATE Importants: Follow the instructions on pages 1-0.

Copy all pages of this Elevation Certificate and all att

	SEC	TION A - PROPERT				ny, and (3) building owner. IRANCE COMPANY LISE
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A2. Building Stre Box No. 751 PALAMINO (icluding Apt., Unit, Se	ille, and/or Gldg. No.)	or P.O. Route an	d Company	NAIC Number:
Oity NOKOMIS			State Florida		ZIP Code 34275	
A3. Property Det LOT 2, PUNKAR:	scription (Lot a S SUBDIVISIO	on, TAX ID #038204	Fax Parcel Number, Le 0004, DETACHED GA	egal Description, RAGE	etc.)	
A4. Building Use	(e.g., Reside	ntial, Non-Residentia	, Addition, Accessory,	etc.) NON-RI	ESIDENTIAL	
A5. Latitude/Long	A STATE OF THE STA		Long82.44694°		The second of th	1927 X NAD 1983
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		ECTION B. CLOOP	MICHIDANICE CO.			
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SARASOTA COU			SARASOT	STATE OF A		Florida
B4. Map/Panel Number	85. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/ Revised Date	88. Flood Zone(s)	89. Base Flood E (Zone AO, us	Elevation(s) se Base Fleod Depth)
12015C-0239	Face	11-04-2016	11-04-2016	AE	10'	
			n (BFE) data or base f		ed in Item 89:	
B11. Indicate elev	ation datum u	used for BFE in Item	B9: NGVD 1929	X NAVD 1988	Other/Source:	
B12. Is the building	ng located in a	Coastal Barrier Res	ources System (CBR	S) area or Otherw	rise Protected Area (OPA)? Tyes X No
Designation			A Des Association of the contract of the contr	51		٠٠٠ تعادي ١٠٠٠
		21 7 11				
FEMA Form 088-0-5	9 (7/45)		Peologo all province			

ELEVATION CERTIFICATE

OMB No. 1660-0908 Excitation Date: November 30, 2018

APORTANT: In these spaces, copy the corresponding information from Section A. Building Street Address (including Apt., Unit, Suite, and/or Bidg. No.) or P.O. Route and Box No.				FOR INSURANCE COMPANY U		
1 PALAMINO CIRCLE	t, Suite, and/or Bidg. No.) or P.O.	Route and Box No.	Policy	Number:		
y DKOMIS	11 The Control of Cont	ZIP Code 34275	Company NAIC Number			
SECTION C - E	Building Elevation inform	MATION (SURVEY	REQUIR	ED)		
Building elevations are based on: A new Elevation Certificate will be real.		Building Under Cons uliding is complete.	truction*	X Finis	hed Construction	
 Elevations – Zones A1-A30, AE, AH, Complete Items C2.a-A below accord Benchmark Utilized: SARCO BM 382. 	A (with BFE), VE, V1-V30, V (will ling to the building diagram specifi	HARE AD ADIA A	R/AE, AF ento Rico	VA1-A30, only, enter	AR/AH, AR/AO Instars.	
Indicate elevation datum used for the			200	1 1		
☐ NGVD 1929 ⊠ NAVD 18	88 Other/Source:					
Datum used for building elevations mu	ist be the same as that used for th	ne BPE.				
a) Top of bottom floor (including base	amont eroutenose er onden en fi	nas)	8.8	eck the mo	easurement use	
b) Top of the next higher floor	ween' manifere, at elicibilità il		22.1	⊠ feet	meters meters	
c) Bottom of the lowest horizontal str	urtural member (V Zonge only)		N/A	⊠ feet	meters	
d) Attached parage (top of stab)			N/A	⊠ feet	☐ meters	
e) Lowest elevation of machinery or a (Describe type of equipment and to	equipment servicing the building ocation in Comments)		N/A	⊠ feet	☐ meters	
f) Lowest adjacent (finished) grade n	ext to building (LAG)		8.6	⊠ feet	meters	
g) Highest adjacent (finished) grade r	next to building (HAG)		8.5	⊠ feet	meters	
h) Lewest adjacent grade at lowest el	levation of deals or stairs including			7.5	- 1 700	
structural support	estation to done or agains, including		N/A	X feet	☐ meters	
SECTION D -	bvation of dock or stairs, including SURVEYOR, ENGINEER, OR A	ARCHITECT CERT	N/A FICATIO	⊠ feet	meters	
SECTION 9 - his certification is to be signed and seated writiv that the information on this Certification and the information of the certification of the punishable by time or im the latitude and longitude in Section A pr	SURVEYOR, ENGINEER, OR A thy a land surveyor, engineer, or ele represents my best efforts to i prisonment under 18 U.S. Code,	ARCHITECT CERT amhited authorized hterpret the date eve Section 1001.	FICATION TO STATE OF THE PROPERTY OF THE PROPE	eertify eter nderstand	ration informati that any false	
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OMB No. 1660-0008 **ELEVATION CERTIFICATE** Expiration Date: November 30, 2018 IMPORTANT: In these spaces, copy the corresponding information from Section A. FOR INSURANCE COMPANY USE Building Street Address (including Apt., Unit, Suite, and/or Bidg. No.) or P.O. Route and Box No. Policy Number: 751 PALAMINO CIRCLE Dity State ZIP Code Company NAIC Number **NOKOMIS** Florida 34275 SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AD AND ZONE A (WITHOUT BFE) For Zones AO and A (without BFE), complete items £1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters. E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the towest adjacent grade (LAG). a) Top of bottom floor (including basement, crawispace, or enclosure) is feet meters show or below the HAG. b) Top of bottom floor (including basement. crawlspace, or enclosure) is feet meters above or below the LAG. E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 1-2 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is feet meters above or below the HAG. E3. Attached garage (top of slab) is ☐ feet ☐ meters above or below the HAG. E4. Top of platform of machinery and/or equipment servicing the building is feet meters sbove or below the HAG. E5. Zone AD only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The total official must certify this information in Section G. SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge. Property Owner or Owner's Authorized Representative's Name Address City State ZIP Code Signature Date Telephone Comments

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

Check here if attachments.

ELEVATION CERTIFICATE

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, Suité, and/or Bidg. No.) or P.O. Route and Box No.			FOR INSU	FOR INSURANCE COMPANY USE		
751 PALAMINO CIRCLE	nit, Suite, and/or Bldg. No.)	or P.O. Route and Box No	Policy Nun	iber:		
City NOKOMIS	State Florida	ZIP Cede 34275	Company I	NAIC Number		
ŞE	CTION G - COMMUNITY	INFORMATION (OPTION	AL)			
The local official who is authorized by law Sections A, B, C (or E), and G of this Elev used in Items G8-G10. In Puerto Rico on		the community's floodplair the applicable item(s) and	management or sign below. Che	dinance can complete ck the measurement		
G1. The information in Section C was engineer, or architect who is aut data in the Comments area below.	M.)	vauph information. (Indica	te the source and	date of the elevation		
62. A community official completed or Zone AO.						
G3. The following information (Items	G4-G10) is provided for o	ommunity floodplain mana	gement purposes			
G4. Permit Number	G5. Date Permit iss	ved G	6. Date Certifica Compliance/C	te of Occupancy Issued		
G7. This permit has been issued for:	New Construction	Substantial Improvement				
G8. Elevation of as-built lowest floor (incl of the building:	uding basement) ——		feet meters	Datum		
G9. BFE or (in Zone AO) depth of flooding	g at the building site:		feet [] meters	Datum		
G10. Community's design flood elevation:			feet meters	Datum		
Local Official's Name		Title				
Community Name		Telephone	- W - W			
Signature		Date				
Comments (including type of equipment an	d location, per C2(e), if app	olicable)				
				8		
	*					
				- V 2		
			☐ Che	eck here if attachments.		

BUILDING PHOTOGRAPHS

See instructions for Item A6.

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

IMPORTANT: in these spaces, copy the corresponding information from Section A. FOR INSURANCE COMPANY USE Building Street Address (including Apt., Unit, Suite, and/or Bidg. No.) or P.O. Route and Box No. Policy Number: 751 PALAMINO CIRCLE City State ZIP Code Company NAIC Number **NOKOMIS** Florida 34275

If using the Elevation Certificate to obtain NEIP flood insurance, affix at least 2 building photographs below according to the instructions for item A8. 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

ELEVATION CERTIFICATE



Photo Two Caption

Clear Photo Two.

Clear Photo One

REAR VIEW 12-19-2018

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1860-0008 Expiration Date: November 30, 2018

IMPORTANT: In these spaces, a Building Street Address (including 751 PALAMINO CIRCLE	FOR INSURANCE COMPANY USE Policy Number:		
City	State	ZiP Code	Company NAIC Number
NOKOMIS	Florida	34275	

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.

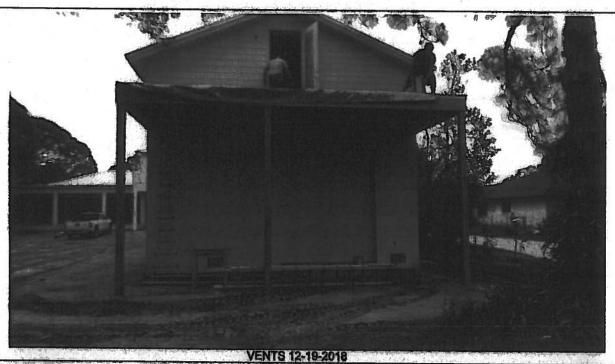


Photo Three Caption

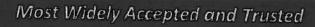
Clear Photo Three



Photo Four Caption

VENTS 12-19-2018

Glear Photo Four





ICC-ES Report

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ESR-2074

Reissued 02/2017 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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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 NUMBER	MODEL SIZE (in)	COVERAGE (sq. ft.)
1540 F20		COVERAGE (Sq. TL)
		200
1540-510	15 ³ / ₄ " X 7 ³ / ₄ "	200
1540-524	153/." × 73/."	42.00
		200
THE PROPERTY AND ADDRESS OF THE PARTY OF THE	15 ⁷ / ₄ " X 7 ⁵ / ₄ "	200
1540-570	14" X 8 ³ / ₄ "	200
1540-574	256 Ta. 10 Ta	
		200
1540-511	16" X 16"	400
1540-521	16" X 16"	400
	1540-520 1540-510 1540-524 1540-514 1540-570 1540-574 1540-511	1540-520



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.



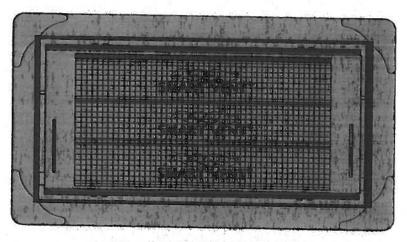


FIGURE 1-SMART VENT: MODEL 1540-510

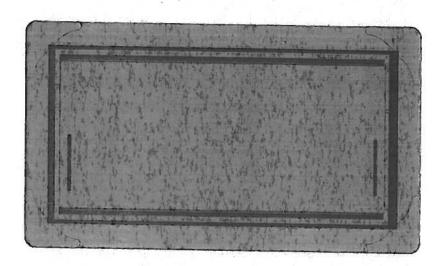


FIGURE 2—SMART VENT MODEL 1540-520

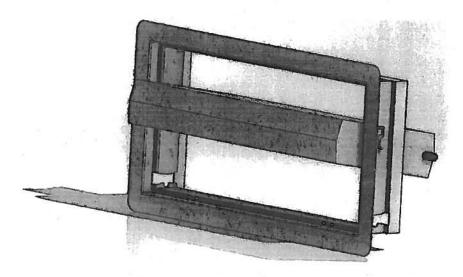


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN



ICC-ES Evaluation Report

ESR-2074 FBC Supplement

Reissued February 2017

This report is subject to renewal February 2019.

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DIVISION: 08 00 00—OPENINGS

Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

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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 Floride 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.