U.S. DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY National Flood Insurance Program

ELEVATION CERTIFICATE

FICATE | 12-10715

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008 Expiration Date: July 31, 2015

SECTION A – PROPERTY INFORMATION				FOR INSURANCE COMPANY USE	
A1. Building Owner's Name KEITH KAYE & VALDA KAYE					Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 849 SIESTA KEY CIRCLE					Company NAIC Number:
City SARASOTA		State FL	ZIP Code 34	1242	
A3. Property Description (Lot and Block LOT 33, 34, 35 & PART LOT 36, BLOCK	Numbers, Tax Parcel	Number, Legal De	escription, etc.)		
A4. Building Use (e.g., Residential, Non-A5. Latitude/Longitude: Lat. 27°17.192'	Residential, Addition, Long. 82°33.111' He	Accessory, etc.) Forizontal Datum: I	RESIDENTIAL	IAD 4000	
Audit at least 2 photographs of the	building if the Certifica	ite is being used to	obtain flood insura	NAD 1983 Ince.	
A7. Building Diagram Number <u>6</u> A8. For a building with a crawlspace or e					
 a) Square footage of crawispace or 	enclosure(s)	1801 sq ft	A9. For a bu	ilding with an attac are footage of attac	had announced the same
 b) Number of permanent flood open or enclosure(s) within 1.0 foot about 	ings in the crawlspace		b) Num	ber of permanent f	ood openings in the attached garage
 c) Total net area of flood openings in 	n A8.b	10 2000 sq in	WILLII	n 1.0 foot above ac	lacent grade N/A
d) Engineered flood openings?	Yes No		d) Engi	neered flood openi	penings in A9.b N/A sq in ngs?
	CTION B - FLOOD	INSURANCE R	ATE MAP (FIRM) INFORMATION	
B1. NFIP Community Name & Community SARASOTA COUNTY - 125144	Number	B2. County Nam SARASOTA	е		33. State
B4. Map/Panel Number B5. Suffix	B6. FIRM Index D				LORIDA
125144-0141 E	9-3-92	Effective	FIRM Panel MRevised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
310. Indicate the source of the Base Flood	Flavation (RFF) date		5-1-84	A12	11'
☐ FIS Profile FIRM	Community Det		th entered in Item B Other/Source:	19.	
11. Indicate elevation datum used for BFE	E in item B9: M NGV			7 0" 10	
 Is the building located in a Coastal Ba 	arrier Resources Syste	em (CBRS) area o	Otherwise Protects	Other/Source:	
Designation Date: N/A		☐ CBRS	☐ OPA	ed Alea (OPA)?	☐ Yes No
SECTION	ON C - BUILDING	ELEVATION IN	FORMATION (SU	RVFY REQUIRE	(1)
Building elevations are based on: *A new Elevation Certificate will be requ	Construction Dr	Turinge*	T District		☑ Finished Construction
Elevations – Zones A1–A30, AE, AH, A	(with RFF) VF V4_1	/20 \/ (with DEE)	AD ADIA ADIAS	AP/A1_A20_AD/AL	
below according to the building diagram Benchmark Utilized: DNR BM#A-25, EL		doi:to /tico or	ly, chiel meleis.	AIVA I-ASU, ARVAR	1, ARVAO. Complete Items C2.a-h
Indicate elevation datum used for the el	<u>- 4.74'</u>	Vertical Datum:			
Datum used for building elevations mus		stough h) heless. I	NGVD 1929		
does for bailding cicyations mus	ievations in items a) that it be the same as that	rough h) below. Jused for the BFE.	T 1101/10 4000 TI	NAVD 1988 🗆 Oth	er/Source:
	A De the Same as that	used for the BFE.	T 1101/10 4000 TI		er/Source: ne measurement used.
a) Top of bottom floor (including basem	A De the Same as that	used for the BFE.	ŽI NGVD 1929 □ N <u>7.6</u>	Check th	ne measurement used. feet meters
a) Top of bottom floor (including basem b) Top of the next higher floor	ent, crawispace, or en	closure floor)	Ž NGVD 1929 □ N <u>7.6</u> 16.5	Check th	feet meters
a) Top of bottom floor (including basem b) Top of the next higher floor c) Bottom of the lowest horizontal struct d) Attached garage (top of slab)	ent, crawlspace, or en	iclosure floor) s only)	Z. NGVD 1929 □ N Z. <u>6</u> 16.5 N/A.	Check th	feet measurement used. feet meters feet meters feet meters
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E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 5 (elevation C2.b in the diagrams) of the building is	FOR INSURANCE COMPANY US Policy Number:
SECTION D — SURVEYOR, ENGINEER, OR ARCHITECT CERTI SECTION D — SURVEYOR, ENGINEER, OR ARCHITECT CERTI Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, a Comments FILE #11-02-38 THE AVC UNIT OUTSIDE WAS USED AS THE LOWEST MACHINERY. ENGINEERED "SMART" VENTS, MODEL # 1540-520, HAVE BEEN INSTALLED IN THE GROUND F VALID WITH SIGNATURE AND RAISED SEAL. Date 7/29/14 SECTION E — BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FI For Zones AO and A (without BFE), complete Items E1—E5. If the Certificate is intended to support a L and C. For Items E1—E4, use natural grade, if available, Check the measurement used. In Puerto Rico E1. Provide elevation information for the following and check the appropriate boxes to show whether grade (HAC) and the lowest adjacent grade (LAG). a) Top of bottom floor (including basement, craw/space, or enclosure) is fet b) Top of bottom floor (including basement, craw/space, or enclosure) is fet c) For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or (elevation C2.b in the diagrams) of the building is fet E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or (elevation C2.b in the diagrams) of the building is fet E3. Attached garage (top of slab) is fet E4. Top of platform of machinery and/or equipment servicing the building is fet E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in acc or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowled for zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowled for zone AO must sign here. The statements in Sections A, B, and E are correct to the best of the elevation Canada and set is authorized by law or ordinance to administer the community's floodplain management put A community official completed Section	Policy Number:
SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTICOpy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, a Comments FILE #11-02-38 THE A/C UNIT OUTSIDE WAS USED AS THE LOWEST MACHINERY. PINGINEERED "SMART" VENTS, MODEL # 1540-520, HAVE BEEN INSTALLED IN THE GROUND FOUND FOUND FOR THE GROUND FOUND FO	
comments FILE #11-02-38 THE A/C UNIT OUTSIDE WAS USED AS THE LOWEST MACHINERY. MIGNIERERD SMARTY VENTS, MODEL # 1540-520, HAVE BEEN INSTALLED IN THE GROUND FALID WITH SIGNATURE AND RAISED SEAL. Ignature Date 7/29/14 SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FI FOR Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a L nd C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerfo Rico 1. Provide elevation information for the following and check the appropriate boxes to show whether grade (HAG) and the lowest adjacent grade (LAG), a) Top of bottom floor (including basement, crawlspace, or enclosure) is fet provide elevation Core. In the diagrams) of the building is fet 2. For Building Diagrams 8-9 with permanent flood openings provided in Section A Items 8 and/or (elevation C2.b in the diagrams) of the building is fet 2. For Building Diagrams 8-9 with permanent flood openings provided in Section A Items 8 and/or (elevation C2.b in the diagrams) of the building is fet 2. For Building Diagrams 8-9 with permanent flood openings provided in Section A Items 8 and/or (elevation C2.b in the diagrams) of the building is fet 2. For Building Diagrams 8-9 with permanent flood openings provided in Section A Items 8 and/or fet 3. Attached garage (top of slab) is fet 4. Top of platform of machinery and/or equipment servicing the building is fet 5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in acc ordinance?	Company NAIC Number:
Comments FILE #11-02-38 THE AC UNIT OUTSIDE WAS USED AS THE LOWEST MACHINERY NOCINEERED SWART' VENTS, MODEL # 1540-520, HAVE BEEN INSTALLED IN THE GROUND F ALID WITH SIGNATURE AND RAISED SEAL. Gratier	IFICATION (CONTINUED)
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SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a I and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico In Provide elevation information for the following and check the appropriate boxes to show whether grade (IAG), a) Top of bottom floor (including basement, crawfspace, or enclosure) is	CEDVICING THE BUILDING AT THE
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2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (elevation C2.b in the diagrams) of the building is fleet meters above or below 13. Attached garage (top of slab) is feet meters above or below 14. Top of platform of machinery and/or equipment servicing the building is feet below 15. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in acc ordinance? Yes No Unknown. The local official must certify this information in Sec SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENT). The statements in Sections A, B, and E are correct to the best of my knowl openty Owner's or Owner's authorized representative who completes Sections A, B, and E for Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowl openty Owner's or Owner's Authorized Representative's Name dress City	et ☐ meters ☐ above or ☐ below the HAG.
Section A Items 8 and/or s (elevation C2.b in the diagrams) of the building is feet meters above 3. Attached garage (top of slab) is feet meters above 3. Attached garage (top of slab) is feet meters above 3. Attached garage (top of slab) is feet meters above 7. Below 4. Top of platform of machinery and/or equipment servicing the building is feet	ot Departure Debases of the state
Attached garage (top of slab) is feet meters above or below to below to feet above or below to feet	9 (see pages 8-9 of Instructions), the next higher flo
SECTION G — COMMUNITY INFORMATION (OPT ments) SECTION G — COMMUNITY INF	the HAC
SECTION F — PROPERTY OWNER (OR OWNER'S REPRESENT, a property owner or owner's authorized representative who completes Sections A, B, and E for Zone Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my known sperty Owner's or Owner's Authorized Representative's Name City	□ meters □ above of □ below the UAC
SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENT, a property owner or owner's authorized representative who completes Sections A, B, and E for Zone Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my known sperty Owner's or Owner's Authorized Representative's Name City	cordance with the community's floodalain
property owner or owner's authorized representative who completes Sections A, B, and E for Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowled perty Owner's or Owner's Authorized Representative's Name Tress City Date Date Date Decay of a community in the property of the property of the period of t	
perty Owner's or Owner's Authorized Representative's Name City	ATIVE) CERTIFICATION
SECTION G – COMMUNITY INFORMATION (OPT local official who is authorized by law or ordinance to administer the community's floodplain management is Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used if the information in Section C was taken from other documentation that has been signed and se is authorized by law to certify elevation information. (Indicate the source and date of the elevation A community official completed Section E for a building located in Zone A (without a FEMA-issuenth following information (Items G4—G10) is provided for community floodplain management purport. Permit Number G5. Date Permit Issued G6. Date Certify permit has been issued for: New Construction Substantial Improvement Elevation of as-built lowest floor (including basement) of the building: feet Feet G7. Feet	A (without a FEMA-issued or community-issued Bi
SECTION G – COMMUNITY INFORMATION (OPT local official who is authorized by law or ordinance to administer the community's floodplain management is Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in the information in Section C was taken from other documentation that has been signed and see is authorized by law to certify elevation information. (Indicate the source and date of the elevation in A community official completed Section E for a building located in Zone A (without a FEMA-issuent information). The following information (Items G4—G10) is provided for community floodplain management purportion. The permit has been issued for: Permit Number G5. Date Permit Issued G6. Date Certification of as-built lowest floor (including basement) of the building: feet feet G7. feet	leuge.
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ELEVATION CERTIFICATE, page 3

Building Photographs See Instructions for Item A6.

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. 849 SIESTA KEY CIRCLE

Policy Number:

City SARASOTA

State FL

ZIP Code 34242

Company NAIC Number:

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.



FRONT VIEW 7/29/14



REAR VIEW 7/29/14

ELEVATION CERTIFICATE, page 4

Building Photographs

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. 849 SIESTA KEY CIRCLE

Policy Number:

City SARASOTA

State FL

ZIP Code 34242

Company NAIC Number:

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.



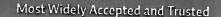
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VENT OUSIDE 7/29/14



VENT DETAIL 7/29/14





ICC-ES Evaluation Report

ESR-2074

Reissued December 1, 2012

This report is subject to renewal February 1, 2015.

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

A Subsidiary of the International Code Council®

DIVISION: 08 00 00-OPENINGS Section: 08 95 00-Vents

REPORT HOLDER:

SMARTVENT PRODUCTS, INC. 450 ANDBRO DRIVE, SUITE 2B PITMAN, NEW JERSEY 08071 (856) 307-1468 www.smartvent.com eval@smartvent.com

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: FLOODVENT™ MODEL #1540-520; FLOODVENT'M STACKING MODEL #1540-521; SMARTVENT™ MODEL #1540-510; SMARTVENT™ STACKING MODEL #1540-511; WOOD WALL FLOOD MODEL #1540-570; WOOD WALL **OVERHEAD** DOOR MODEL #1540-574; FLOODVENT™ OVERHEAD DOOR MODEL #1540-524; SMARTVENT™ OVERHEAD DOOR MODEL #1540-514

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2009 and 2006 International Building Code® (IBC)
- 2009 and 2006 International Residential Code® (IRC)

Properties evaluated:

- Physical operation
- Water flow

2.0 USES

The Smart Vent® units are automatic foundation flood vents (AFFVs) employed to equalize hydrostatic pressure on nonfire-resistance-rated foundation walls, rolling-type overhead doors and building walls subject to rising or falling flood waters. The Smart Vent® units are intended for use where flood hazard areas have been established in accordance with IBC Section 1612.3 or IRC Section R3222.1. Certain models also allow natural ventilation in accordance with Section 1203 of the IBC or Section 408.1 of the IRC.

3.0 DESCRIPTION

3.1 General:

When subjected to pressure from rising water, the Smart Vent® AFFVs disengage, 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

AFFV 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 plate to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel, and each opening provides 76 square inches (49 032 mm²) of net free area for flood mitigation in the open position. The SmartVENT™ Stacking Model #1540-511 and FloodVENT™ Stacking Model #1540-521 units each contain two vertically arranged openings per unit, providing 152 square inches (98 064 mm²) of net free area for flood mitigation in the open position.

3.2 Engineered Opening:

The AFFVs comply with the design principle noted in Section 2.6.2.2 of ASCE/SEI 24 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 AFFVs must be installed in accordance with Section 4.0.

3.3 Model Sizes:

The FloodVENT™ Model #1540-520, SmartVENT™ Model #1540-510, FloodVENT™ Overhead Door Model #1540-524, and SmartVENT™ Overhead Door Model #1540-514 units measure 153/4 inches wide by 73/4 inches high (400 by 196.9 mm). The Wood Wall Flood Model #1540-570 and Wood Wall Flood Overhead Door Model #1540-574 units measure 14 inches wide by 83/4 inches high (355.6 by 222.25 mm). The SmartVENT™ Stacking Model #1540-511 and FloodVENT™ Stacking Model #1540-521 units measure 16 inches wide by 16 inches high (406.4 by 406.4 mm).

3.4 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 AFFVs recognized in this report do not offer natural ventilation.

4.0 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. The mounting straps allow mounting in wood, masonry and concrete walls up to 12 inches (305 mm) thick. In order to comply with the engineered opening design principle noted in Section 2.6.2.2 of ASCE/SEI 24, the Smart Vent® AFFVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one AFFV 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 AFFV for every 400 square feet (37.2 m²) of enclosed area.
- Below the base flood elevation.
- With the bottom of the AFFV located a maximum of 12 inches (305.4 mm) above grade.

5.0 CONDITIONS OF USE

The Smart Vent® AFFVs 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® AFFVs 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® AFFVs 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 Automatic Foundation Flood Vents (AC364), dated October 2007.

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).