ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

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

		SECTION A -	PROPERTY INFORM		OR INSURANCE COMPANY USE
A1.	Building Owner's Name WEST BAY HILL LL	C			Policy Number:
A2.	Building Street Address (including Apt., Unit, 22224 ST BARTS LANE PERMIT NUMBE City ESTERO, State City 2000	Suite, and/or Bldg. No.) R: RES2015-01519	or P.O. Route and Box N	lo.	Company NAIC Number:
	City: ESTERO State FL ZIP Code 33928				
A3.	Property Description (Lot and Block Numbers STRAP # 31-46-25-E2-33000.0070 FO	, Tax Parcel Number, Le LIO ID: 10568175	egal Description, etc.)		**************************************
A4. A5. A6. A7. A8.	 Building Use (e.g., Residential, Non-Resident Latitude/Longitude: Lat. <u>26° 25' 37.47"N</u> Lot Attach at least 2 photographs of the building i Building Diagram Number <u>1A</u> For a building with a crawlspace or enclosure a) Square footage of crawlspace or enclosure b) Number of permanent flood openings in the or enclosure(s) within 1.0 foot above adjace c) Total net area of flood openings in A8.b 	ial, Addition, Accessory, ng. <u>81° 50' 21.21''W</u> f the Certificate Is being (s): e(s) e crawlspace cent grade	etc.) <u>RESIDENTIAL</u> used to obtain flood insu A9. For a l sq ft a) Sq b) Nu wit sq in c) To	Horizontal Datum: rance. building with an attack uare footage of attack imber of permanent fi thin 1.0 foot above ad tal net area of flood o	NAD 1927 X NAD 1983 NAD 1927 NAD 1983 NAD 1983 NAD 1927 A sq ft sq ft sq ft sq ft penings in A9.b 640 sq in
***				gineered flood openi	ngs? 🔯 Yes 🗌 No
	SLOTION	B - FLOOD INSURAI	NCE KATE MAP (FIR	M) INFORMATION	
	NFIP Community Name & Community Number LAGE OF ESTERO 120260	B2. Count	ty Name	E	3. State LORIDA
84	. Map/Panel Number B5. Suffix B6. 12071C0587F F AU	FIRM Index Date IGUST 28,2008 E	B7. FIRM Panel Effective/Revised Date AUGUST 28,2008	B8. Flood Zone(s) AE	B9 Base Flood Elevation(s) (Zone AO, use base flood depth) EL = 10'
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. □ FIS Profile ☑ FIRM □ Community Determined □ Other/Source: B11. Indicate elevation datum used for BFE in Item B9: □ NGVD 1929 ☑ NAVD 1988 □ Other/Source: B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? □ Yes ☑ No □ CBRS □ OPA □ Yes ☑ No					
			RS ∐ OPA		
	SECTION C -		ON INFORMATION (D)
C1. I C2. I I	SECTION C – Building elevations are based on: Co A new Elevation Certificate will be required wh Elevations – Zones A1–A30, AE, AH, A (with Bi below according to the building diagram specific Benchmark Utilized: NGS PID "AD1340" Ve ndicate elevation datum used for the elevations Datum used for building elevations must be the	BUILDING ELEVATI nstruction Drawings* en construction of the bu FE), VE, V1–V30, V (with ed in Item A7. In Puerto ertical Datum: NAVD 19 is in items a) through h) to same as that used for the	RS LJ OPA ON INFORMATION (Building Under Uilding is complete. h BFE), AR, AR/A, AR/AI Rico only, enter meters. 88 below. D NGVD 1929 E	SURVEY REQUIRE Construction* E, AR/A1-A30, AR/AI	Finished Construction AR/AO. Complete Items C2.a-h er/Source:
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LLEVANUA VLIVINI VAIL, PO	195 A					
IMPORTANT: In these spaces, c	opy the corresponding information from	Section A.	FOR INSURANCE COMPANY USE			
Building Street Address (including Apt. 22224 ST BARTS LANE PERMIT NU	, Unit, Suite, and/or Bldg. No.) or P.O. Route and JMBER: RE\$2015-01519	Box No.	Policy Number:			
City:ESTERO State FL	ZIP Code 3392	3	Company NAIC Number:			
SECTION	D-SURVEYOR, ENGINEER, OR ARCHIT	ECT CERTIFICATION	I (CONTINUED)			
Copy both sides of this Elevation Certil	ficate for (1) community official, (2) insurance age	nt/company, and (3) build	ing owner.			
Comments PROJECT NUMBER 201 ON A CONCRETE PAD. ENGINEER	50078 FB2796, PG 51 AND FB2802, PG 26. LO ED FLOOD VENTS IN GARAGE ARE "SMART V	WEST MACHINERY SER 'ENTS" WITH A MODEL	RVICING THE BUILDING IS AN A/C UNIT NUMBER OF 1540-510.			
Signature Kin-Pice	Date 0	2/01/16				
SECTION E - BUILDING ELE	VATION INFORMATION (SURVEY NOT RE	QUIRED) FOR ZONE	AO AND ZONE A (WITHOUT BFE)			
 For Zones AO and A (without BFE), cc and C. For Items E1–E4, use natural g E1. Provide elevation information for grade (HAG) and the lowest adja a) Top of bottom floor (including b) Top of bottom floor (including b) Top of bottom floor (including celevation C2.b in the diagrams) E3. Attached garage (top of slab) is E4. Top of platform of machinery and E5. Zone AO only: If no flood depth ordinance? Yes No 	omplete Items E1–E5. If the Certificate is Intended grade, if available. Check the measurement used. the following and check the appropriate boxes to incent grade (LAG). basement, crawlspace, or enclosure) is basement, crawlspace, or enclosure) is bermanent flood openings provided in Section A It of the building is feet meters above d/or equipment servicing the building is number is available, is the top of the bottom floor J Unknown. The local official must certify this info	to support a LOMA or LC In Puerto Rico only, enter show whether the elevation feet in meter in feet in meter ems 8 and/or 9 (see page ters in above or in below or in below the HAG. feet in meters in elevated in accordance w rmation in Section G.	DMR-F request, complete Sections A, B, r meters. on is above or below the highest adjacent ers above or below the HAG. ers above or below the LAG. ers 9 of Instructions), the next higher floor ow the HAG. above or below the HAG. ith the community's floodplain management			
SECTION	F - PROPERTY OWNER (OR OWNER'S R	EPRESENTATIVE) C	ERTIFICATION			
The property owner or owner's authoriz or Zone AO must sign here. The staten Property Owner's or Owner's Authorize	ted representative who completes Sections A, B, nents in Sections A, B, and E are correct to the be ad Representative's Name	and E for Zone A (without st of my knowledge.	a FEMA-issued or community-issued BFE)			
Address	City	St	ate ZIP Code			
Signature	Date	Те	elephone			
Comments						
			Check here if attachments			
The least official who is authorized by law	SECTION G - COMMUNITY INFORM					
of this Elevation Certificate. Complete the	applicable item(s) and sign below. Check the measurement	air management ordinanc surement used in Items G8	B-G10. In Puerto Rico only, enter meters.			
G1. The information in Section C w is authorized by law to certify e	as taken from other documentation that has beer elevation information. (Indicate the source and da	signed and sealed by a l te of the elevation data in	icensed surveyor, engineer, or architect who the Comments area below.)			
G2. A community official complete	d Section E for a building located in Zone A (witho	ut a FEMA-issued or corr	munity-issued BFE) or Zone AO.			
G3. 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 Imp	rovement				
G8. Elevation of as-built lowest floor (in	cluding basement) of the building:	feet meters	Datum			
G9. BFE or (in Zone AO) depth of flood	ing at the building site:	feet meters	Datum			
G10. Community's design flood elevation	n:	feet meters	Datum			
Local Official's Name	Title)				
Community Name	Tele	phone				
Signature	Dat	3				
Comments						
		1	Check here if attachments			

ELEVATION CERTIFICATE, page 3

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information fr	FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route 22224 ST BARTS LANE PERMIT NUMBER: RES2015-01519	Policy Number:	
City ESTERO State FL	ZIP Code 33928	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.





ICC-ES Evaluation Report

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ESR-2074*

Reissued December 1 2012

This report is subject to renewal February 1 2015.

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

REPORT HOLDER:

EVALUATION SUBJECT:

SMART VENT[®] AUTOMATIC FOUNDATION FLOOD VENTS: FLOODVENT[™] MODEL #1540-520; FLOODVENT[™] STACKING MODEL #1540-521; SMARTVENT[™] MODEL #1540-510; SMARTVENT[™] STACKING MODEL #1540-571; WOOD WALL FLOOD MODEL #1540-570; WOOD WALL FLOOD 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 Vent⁴ units are automatic foundation iluod 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 Vent⁴ 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 403 ; of the IRC

3.0 DESCRIPTION

3.1 Ceneral:

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 A Subsidiary of the International Code Council[®]

pressure nom one side of the initiation to the other. The AFFV pivoting door is nominally held in the closed position by a buoyant release device. When subjected to rising water the buoyant release device causes the unit to unitable likewing the plate to rotate out of the way and allow flow. The vater level stabilizes equalizing the lateral forces. Each unit is fabricated from stanless steel. The SmanYENT¹⁰⁶ Stacking Model #1549-511 and FloodVENT¹⁰⁶ Stacking Model #1549-521 units each contain two vertically artimized openings per out.

3.2 Engineered Opening:

The AFFVs comply with the design principle incled in Section 2.0.2.2 of ASCE/SEI 24 for a maximum rate of rise and fail of 5.0 feet per hour 10.423 min/s). In order to comply with the angineered opening requirement of ASCE/SEI 24, Smart Vent AFFVs must be installed in accordance with Section 4.0.

3.3 Model Sizes:

The FlocdVENT¹¹⁴ Model #1540-520 SmartVENT¹¹⁴ Model #1540-510, FloodVENT¹¹⁴ Overhead Ocon Model #1540-524 and SmartVENT¹¹⁴ Overhead Ocon Model #1540-514 units measure $(5)_{14}$ inches wide by $7^{2}t_{4}$ 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 $8^{2}t_{4}$ inches high (355.6 by 222.25 mm). The SmartVENT¹⁰⁴ Stacking Model #1540-511 and FloodVENT¹⁰⁴ Stacking Model #1540-521 units measure 16 inches wide by 16 inches high (406.4 by 406.4 inm).

3.4 Ventilation:

The SmartVENT® Model #1540-510 and SmartVENT® Overhead Door Model #1540-514 both have screen covers with "Jainch-by-"Jainch (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 AFEVs recognized in this report do not offer natural ventilation.

4.0 INSTALLATION

SmartVENT⁴ and FloodVENT¹⁶ are designed to be installed into walls or overhead doors or existing or new construction from the exterior side installation of the vents must be in accordance with the manufacturiens instructions the applicable code and this report. The mounting shaps allow mounting in wood masching and

"Revised July 2013

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 erea.
- With a minimum of one AFFV for every 200 square feet (18.6 m²) of enclosed area except that the Smart//ENT^{MA} Stacking Model #1540-511 and Flood/VENT^{MA} Stacking Model #1540-521 must be installed with a minimum of one AFFV for every 400 square feet (37.2 m²) of enclosed area.
- 9 Below the base flood elevation
- With the bottom of the AFEV located a maximum of 12 inches (305.4 mm) above grade

5.0 CONDITIONS OF USE

The Smart Vent[®] AFFVs described in this report complewith, or are suitable attenuatives to what is specified in, dose codes listed in Section 1.0 of this report subject to the following conditions

- 5.1 The Smart Vent⁵ AFEVs must be installed in accordance with this report the applicable code and the manufacturer's restallation instructions. In the event of a conflict the instructions in this report govern.
- 5.2 The Smart Vent[®] AFEVs must not be used in the place of "breakaway walls in beastal brigh hazard areas, but are permitted for use in conjunction with breakaway walls in other creas.

3.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Oriteba for Automatic Foundation Flood Vents (AC364), dated October 2007

7.0 IDENTIFICATION

The Smart VENT¹ models recognized in this recommutative being the identified by a label bearing the manufacturer's name (Smartveni Products Inc.), the model number, and the evaluation report common ($\Xi SR-207$).



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ICC-ES Evaluation Report

ESR-2074 FBC Supplement Issued July 1 2013

This report is subject to renewal February 1, 2015

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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) 441-8369 www.smartvent.com in/ce@smartvent.com

EVALUATION SUBJECT:

SWART VENT³ AUTOMATIC FOUNDATION FLOOD VENTS: FLOODVENT[™] MODEL #1540-520; FLOODVENT[™] STACKING MODEL #1540-521; SMARTVENT[™] MODEL #1540-510; SMARTVENT[™] STACKING MODEL #1540-511; WOOD WALL FLOOD WODEL #1540-570; WOOD WALL FLOOD OVERHEAD DOOR MODEL #1540-574; FLOODVENT[™] OVERHEAD DOOR WODEL #1540-524: SMARTVENT[™] OVERHEAD DOOR MODEL #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-2014, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2010 Florida Building Code—-Building (FBC);
- # 2010 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* Code⁴ provisions noted in the master report.

Use of the Smart Vent² 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 structures not subject to FBC Section 2326.3 For FRC Section 4409.13.3 F as applicable

For products failing under Florida Rule 3N-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 for the code official when the report holder does not possess an approval by the Commission:

This supplement expires concurrently with the master report, reissued December 7, 2012, revised buy 2015









INSTALLATION INSTRUCTIONS & DETAILS MODELS 1540-510 & 1540-520 DUAL FUNCTION FLOOD AND VENTILATION VENT & FLOOD VENT INSULATED

REV. C 05-01-09

INSTALLATION INSTRUCTIONS

- 1. Remove vent door from vent frame. (Turn upside down, rotate bottom of door outward and slide out)
- 2. Prepare a CLEAN 16.25" wide by 8.25" high rough opening (approx. 1 block wide X 1 block high) for each vent. Ensure the bottom of the rough opening is no more than 12" above the finished inside or outside grade whichever is higher
- 3. Apply a bead of polyurethane caulk around the back of the flange on the vent frame. (FIG. 2)
- 4. Bend the 4 steel straps to the thickness of the wall measuring from the end with the teeth see STRAP DETAIL
- 5. Insert the top straps into the top two strap slots about two clicks.
- 6. Insert the vent frame in the cut opening. The bent strap ends go in then up behind the inside of the wall. Push the frame tight against the face of the wall. Ensure the frame is flush and square in the opening. (FIG. 3)
- 7. Reach through the vent opening and click the two straps in while holding the front of the vent against the wall face. The sharp point of the straps should not extend past the front of the vent face. Install the two remaining bottom straps.
- 8. Re-check that frame is square and slots are clear of debris, and caulk.
- 9. Install the door into frame by grasping the bottom of door (with float pins down) and front (small screen in front). Slide door into frame and rotate until it is latched.
- 10. To open the door insert two credit cards into the float slots as shown in the diagram. This will unlatch the door for removal and cleaning.

MODEL 1540-510	MODEL 1540-520
DETAILED SPECIFICATIONS: WATERAL: STAINLESS STELL	DETAILED SPECIFICATIONS
VENT REMAINS CLOSED AND LOCKED UNITL ACTIVATED OPERATION AR: ALTOMATIC LOUVERS FULLY OPEN AT 75 DEG. FULLY CLOSED AT 35 DEG. NO POWER REQUIRED	MATERIAL STAILLESS STEEL OPERATION: AUTOMATIC NON-POWERED ACTIVATION AND OPERATION INSTALLATION:
INSTALLATION: HYDROSTATIC RELEP: 200 Sq. Pt per Vent VENTILATION: 51 Sq. In. per Vent NOTE: VAPOR BARRIER ALLOWS FOR REDUCED VENTILATION	SECURED W/ 4 SUMLESS STELL STRAPS SUPPLIED HYDROSTATIC RELIEF: 200 Sq. P. par Vent REQUIREMENTS: MINIMUM OF 2 VENTS PER ENCLOSED AREA MOUNTED ON AT LEAST TWO DIFFERENT WALLS
REQUIREMENTS FLOOD; MINIMUM OF 2 VENTS PER ENCLOSED AREA MOUNTED ON AT LEAST TWO DIFFERENT WALLS COLDRS: STAINLESS (STANDARD) EXTERIOR POWDER COATED WHITE, WHEAT, DRAY, AND BLACK (AVAILABLE)	COLORS: STAINLESS (STAINLARD) EXTERIOR POWDER COATED WHITE, WHEAT, GRAY, AND BLACK (AVAILABLE)

MEETS THE REQUIREMENTS FOR ENGINEERED OPENINGS AS SET FORTH BY:

FEMA, NFIP, ICC, & ASCE

SUPPORTIVE DOCUMENTS, TB 1-08, 44CFR 60.3(C)(5), ASCE 24-05 ICC EVALUATION # ESR-2074 EVALUATED UNDER AC-364

SHEET 2 OF 2