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

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.

SE	CTION A - PROPERTY IN	IFOR	MATION		FOR INSUF	RANCE COMPANY USE
A1. Building Owner's Name					Policy Num	ber:
A2. Building Street Address (i Box No.71 Sheridan Street	ncluding Apt., Unit, Suite, a	and/or	r Bldg. No.) or P.O.	Route and	Company N	IAIC Number:
City Waretown			State New Jersey		ZIP Code 08758	
A3. Property Description (Lot Lot 9 - Block 198	and Block Numbers, Tax P	² arcel	Number, Legal De	scription, etc.)		
A4. Building Use (e.g., Reside	ential, Non-Residential, Add	dition,	Accessory, etc.)	Residential		
A5. Latitude/Longitude: Lat.	39-47-16.93 Lo	ong. <u>74</u>	1-110123	Horizontal Datur	n: NAD 1	1927 X NAD 1983
A6. Attach at least 2 photogra	phs of the building if the C	ertific	ate is being used to	o obtain flood insur	ance.	
A7. Building Diagram Number	66					
A8. For a building with a craw	Ispace or enclosure(s):					
a) Square footage of crav	wlspace or enclosure(s)		768 sq ft			
b) Number of permanent	flood openings in the crawl	/Ispace	e or enclosure(s) w	ithin 1.0 foot above	adjacent gr	ade4
c) Total net area of flood	openings in A8.b 800	S	q in			
d) Engineered flood oper	ings? 🗵 Yes 🗌 No					
A9. For a building with an atta	ched garage:					
a) Square footage of atta	ched garage 0	ţ	sq ft			
b) Number of permanent	flood openings in the attac	ched g	arage within 1.0 foo	ot above adjacent	grade	0
	openings in A9.b 0			,	<u></u>	
d) Engineered flood oper			-4			
	go					
	SECTION B - FLOOD INS	SURA	NCE RATE MAP	(FIRM) INFORMA	TION	
B1. NFIP Community Name & Ocean Twp- 340518	Community Number		B2. County Name Ocean			B3. State New Jersey
B4. Map/Panel B5. Suffix Number	B6. FIRM Index Date	Ef	RM Panel fective/	B8. Flood Zone(s	(Zoi	se Flood Elevation(s) ne AO, use Base
34029C0416 F	09/29/2006	09/29/	evised Date /2006	AE	6	od Depth)
B10. Indicate the source of th				epth entered in Iten	n B9:	
☐ FIS Profile 🗵 FIRM	Community Determin	ied [Other/Source:			
B11. Indicate elevation datum	used for BFE in Item B9:	□ No	GVD 1929 🗵 NA	.VD 1988 ☐ Ot	her/Source:	<u> </u>
B12. Is the building located in	a Coastal Barrier Resourc	ces Sy	stem (CBRS) area	or Otherwise Prote	ected Area (0	DPA)? ☐ Yes ☒ No
Designation Date:	_		□ ОРА		`	* busined busined
			L			

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the c	orresponding information from Sect	tion A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Uni 71 Sheridan Street	t, Suite, and/or Bldg. No.) or P.O. Rout	e and Box No.	Policy Number:
City Waretown	State ZIP 0 New Jersey 0875		Company NAIC Number
SECTION C - E	BUILDING ELEVATION INFORMATI	ON (SURVEY RE	EQUIRED)
*A new Elevation Certificate will be re C2. Elevations – Zones A1–A30, AE, AH,	quired when construction of the building	E), AR, AR/A, AR/	/AE. AR/A1-A30. AR/AH. AR/AO.
Benchmark Utilized: GPS	Vertical Datum:	·	·
☐ NGVD 1929 ☐ NAVD 198			
Datum used for building elevations me	ust be the same as that used for the BI	FE.	Check the measurement used.
 a) Top of bottom floor (including base 	ement, crawlspace, or enclosure floor)	3. <u>5</u>	X feet meters
b) Top of the next higher floor		<u>12</u> . <u>5</u>	X feet meters
c) Bottom of the lowest horizontal str	ructural member (V Zones only)	<u>10</u> , <u>6</u>	x feet meters
d) Attached garage (top of slab)		n/a	x feet meters
 e) Lowest elevation of machinery or one (Describe type of equipment and letter) 	equipment servicing the building ocation in Comments)	9. 1	x feet meters
f) Lowest adjacent (finished) grade r	next to building (LAG)	<u>3</u> . <u>2</u>	x feet meters
g) Highest adjacent (finished) grade	next to building (HAG)	<u>3</u> . <u>4</u>	🔀 feet 🗌 meters
h) Lowest adjacent grade at lowest e structural support	elevation of deck or stairs, including	<u>3</u> . <u>1</u>	x feet meters
SECTION D	SURVEYOR, ENGINEER, OR ARC	HITECT CERTIF	CATION
This certification is to be signed and seale I certify that the information on this Certific statement may be punishable by fine or im	cate represents my best efforts to interp	ret the data availa	law to certify elevation information. Ible. I understand that any false
Were latitude and longitude in Section A p	rovided by a licensed land surveyor?	⊠Yes □No	☐ Check here if attachments.
Certifier's Name John W. Lord, PE, PLS	License Number 32455		
Title Land Surveyor			
Company Name KTP Consulting LLC			Place Seal
Address 109 Tunes Brook Dr			Here
City Brick	State New Jersey	ZIP Code 08723	
Signature	Date 11/13/2019	Telephone (609) 276-4445	
Copy all pages of this Elevation Certificate a	nd all attachments for (1) community offi	cial, (2) insurance a	agent/company, and (3) building owner.
Comments (including type of equipment ar Heat/Hot Water EL=12.5, A/C EL=10.3 & E Smartvent 1540-510 200 sq in/ each		Preliminary FIRM	34029C0416G, Zone AE (8 LIMWA),

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the correspond	ling information from	Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and 71 Sheridan Street	d/or Bldg. No.) or P.O.	Route and Box No.	Policy Number:
		ZIP Code 08758	Company NAIC Number
SECTION E – BUILDING EL FOR ZON	EVATION INFORMA E AO AND ZONE A (TION (SURVEY NOT (WITHOUT BFE)	REQUIRED)
For Zones AO and A (without BFE), complete Items E complete Sections A, B,and C. For Items E1–E4, use renter meters.	1–E5. If the Certificate natural grade, if availat	is intended to support a ple. Check the measure	LOMA or LOMR-F request, ment used. In Puerto Rico only,
E1. Provide elevation information for the following and the highest adjacent grade (HAG) and the lowesta) Top of bottom floor (including basement,	I check the appropriate adjacent grade (LAG).	boxes to show whethe	r the elevation is above or below
crawlspace, or enclosure) is b) Top of bottom floor (including basement,		feet [] meter	s above or below the HAG.
crawlspace, or enclosure) is		feet _ meter	
E2. For Building Diagrams 6–9 with permanent flood of the next higher floor (elevation C2.b in the diagrams) of the building is	penings provided in S	ection A Items 8 and/or ☐ feet ☐ meter	
E3. Attached garage (top of slab) is		feet _ meter	s above or below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is			s above or below the HAG.
E5. Zone AO only: If no flood depth number is availab floodplain management ordinance? Yes	le, is the top of the bot] No Unknown.	tom floor elevated in ac The local official must o	cordance with the community's certify this information in Section G.
SECTION F - PROPERTY OW	NER (OR OWNER'S F	REPRESENTATIVE) CE	RTIFICATION
The property owner or owner's authorized representati community-issued BFE) or Zone AO must sign here. T	ve who completes Sec he statements in Secti	tions A, B, and E for Zo ons A, B, and E are cor	ne A (without a FEMA-issued or rect to the best of my knowledge.
Property Owner or Owner's Authorized Representative	's Name		
Address	City	Sta	ate ZIP Code
Signature	Date	Те	lephone
Comments			
			-
			Check here if attachments.

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corresponding information	on from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) 71 Sheridan Street	or P.O. Route and Box No.	Policy Number:
City State Waretown New Jersey	ZIP Code 08758	Company NAIC Number
SECTION G COMMUNITY	NFORMATION (OPTIONAL)	
The local official who is authorized by law or ordinance to administer Sections A, B, C (or E), and G of this Elevation Certificate. Complete used in Items G8–G10. In Puerto Rico only, enter meters.	the community's floodplain mai the applicable item(s) and sign	nagement ordinance can complete below. Check the measurement
G1. The information in Section C was taken from other docume engineer, or architect who is authorized by law to certify ele data in the Comments area below.)	ntation that has been signed ar 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 local or Zone AO.	ated in Zone A (without a FEM/	A-issued or community-issued BFE)
G3. The following information (Items G4–G10) is provided for co	ommunity floodplain managem	ent purposes.
G4. Permit Number G5. Date Permit Issu		Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for: 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:	feet	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 app	plicable)	
		Check here if attachments.

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

See Instructions for Item A6.

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

IMPORTANT: In these spaces, co	py the corresponding information	from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including 71 Sheridan Street	Apt., Unit, Suite, and/or Bldg. No.) or	P.O. Route and Box No.	Policy Number:
City Waretown	State New Jersey	ZIP Code 08758	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.



Photo One Caption Front View



Photo Two Caption Rear View

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008

Expiration Date: November 30, 2018

IMPORTANT: In these spaces, o	copy the corresponding information	from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including 71 Sheridan Street	g Apt., Unit, Suite, and/or Bldg. No.) or	P.O. Route and Box No.	Policy Number:
City Waretown	State New Jersey	ZIP Code 08758	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.

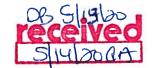


Photo One Caption REAR

Photo Two

Photo Two

Photo Two Caption



Note: The V Zone design certificate is not a substitute for the NFIP Elevation Certificate (see Fact Sheet No. 1.4, Lowest Floor Elevation), which is required to certify as-built elevations needed for flood insurance rating.

V ZONE DESIGN CERTIFICATE
NamePolicyNumber(Insurance Co.Use)
Building Address or Other Description 71 SHEIZIPAN ST.
Permit No. City WARETOWN State NJ Zip Code 08758
SECTION I: Flood Insurance Rate Map (FIRM) Information 340296 Community No. 340518 Panel No. 0416 Suffix F FIRM Date 9/21/04 FIRM Zone(s) AEC
Community No. 340 > 18 Panel No. 0416 Suffix F FIRM Date 1210 FIRM Zone(s) AEG
SECTION II: Elevation Information Used for Design
[NOTE: This section documents the elevations/depths used or specified in the design - it does not document surveyed elevations and is not equivalent to the as-built elevations required to be submitted during or after construction.]
1. FIRM Base Flood Elevation (BFE) (PRELIMINARY B.F.E. S.O.) 6.0 feet
2. Community's Design Flood Elevation (DFE)
3. Elevation of the Bottom of Lowest Horizontal Structural Member
4. Elevation of Lowest Adjacent Grade
5. Depth of Anticipated Scour/Erosion used for Foundation Design
5. Embedment Depth of Pilings or Foundation Below Lowest Adjacent Grade
ELEVATINS BASED ON SURVEY BY LETP CONSULTING. JOIN FUE 18 2022
SECTION III: V Zone Design Certification Statement
I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of the above-referenced building and (2) that the design and methods of construction specified to be used are in accordance with accepted standards of practice** for meeting the following provisions:
 The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to or above the BFE.
• The pile and column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of the wind and water loads acting simultaneously on all building components. Water loading values used are those associated with the base flood***. Wind loading values used are those required by the applicable State or local building code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action. THIS APPLIES D NEW CONSW CROW ONLY.
SECTION IV: Breakaway Wall Design Certification Statement
NOTE. This section must be certified by a registered engineer or architect when breakaway walls are designed to have a resistance of more than 20 psf (0.96 kN/m2) determined using allowable stress design)
I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of breakaway walls to be constructed under the above-referenced building and (2) that the design and methods of construction specified to be used are in accordance with accepted standards of practices for meeting the following provisions:
 Breakaway wall collapse shall result from a water load less than that which would occur during the base flood***.
 The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (see Section III).
BREAKAWAY WALL DESIGN AS PER FEMA TECHNIAL BULLETIN 9-99 SECTION V: Certification and Seal
This certification is to be signed and sealed by a registered professional engineer or architect authorized by law to certify structural designs. I certify the V Zone Design Certification Statement (Section III) and the Breakaway Wall Design Certification Statement (Section IV, check if applicable).
Certifler's Name SCOTT CAMERON LEPTEY License Number A10 8182
Title AIZCHITECT Company Name AIZL AIZCHITECTT
Address 10 A A Al AAA A CC
City Forzion River State NJ Zip Code 08731
Signature / Lite Camera Lepta Date 5/4/2020 Telephone 609-693-9191

Note: The V Zone design certificate is not a substitute for the NFIP Elevation Certificate (see Fact Sheet No. 1.4, Lowest Floor Elevation), which is required to certify as-built elevations needed for flood insurance rating.

V ZONE DESIGN CERTIFICATE	
NamePolicyNumber(InsuranceCo.Use)	
NamePolicyNumber(InsuranceCo.Use)	
Permit No City WARETOWN State NJ Zip Code 0875	8
SECTION I: Flood Insurance Rate Map (FIRM) Information	
Community No Panel No Suffix FIRM Date FIRM Zone(s)	
SECTION II: Elevation Information Used for Design	
[NOTE: This section documents the elevations/depths used or specified in the design – it does not document surveyed elevations and is not equivalent to the as-built elevations required to be submitted during or after construction.]	
1. FIRM Base Flood Elevation (BFE) (PRELIMINARY B.F.R. S.O') 6.0	64 9
2. Community's Design Flood Elevation (DFE)	feet*
3. Elevation of the Bottom of Lowest Horizontal Structural Member	leet"
4. Elevation of Lowest Adjacent Grade 3.2	eet"
5. Depth of Anticipated Scour/Erosion used for Foundation Design.	661
5. Embedment Depth of Pilings of Foundation Below Lowest Adjacent Grade	t
* Indicate elevation datum used in 1-4: UNGVD29 MAVD88 U Other	991
SECTION III: V Zone Design Certification Statement	
I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of the ab referenced building and (2) that the design and methods of construction specified to be used are in accordance with accessandards of practice** for meeting the following provisions: The bottom of the lowest horizontal structural member of the lowest floor (excluding piles and columns) is elevated to above the BFE.	pted
The pile and column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral ment due to the effects of the wind and water loads acting simultaneously on all building components. Water loading valued are those associated with the base flood***. Wind loading values used are those required by the applicable Stat local building code. The potential for scour and erosion at the foundation has been anticipated for conditions associated with the base flood, including wave action. THIS APPLIES TO NEW CONSTRUCTION ONLY.	lues
SECTION IV: Breakaway Wall Design Certification Statement	
NOTE. This section must be certified by a registered engineer or architect when breakaway walls are designed to have a resistance more than 20 psf (0.96 kN/m2) determined using allowable stress design)	rbf
I certify that: (1) I have developed or reviewed the structural design, plans, and specifications for construction of breaka walls to be constructed under the above-referenced building and (2) that the design and methods of construction specific be used are in accordance with accepted standards of practices the meeting the following provisions:	way d to
 Breakaway wall collapse shall result from a water load less than that which would occur during the base flood***. 	
 The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacemen other structural damage due to the effects of wind and water loads acting simultaneously on all building components (Section III). 	i, or see
SECTION V: Certification and Seal	
This certification is to be signed and sealed by a registered professional engineer or architect authorized by law to ce structural designs. I certify the V Zone Design Certification Statement (Section III) and the Breakaway Wall Design Certification Statement (Section IV, check if applicable).	rtify sign
Certifier's Name SCOTT OWERS LERKEY License Number A10 8182	
Title AIZCHITECT Company Name ARL AIZCHITECTT	
Address 10.4 A Al AAAA CC	
City Follico RIVEL State NJ Zip Code 08731	
Signature / Litt Camura Lyly Date 5/4/2020 Telephone 609-653-9191	





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.

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



Look for the trusted marks of Conformity!

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







ICC-ES Evaluation Reports are not to be construed as representing aesthetics or any other attributes not 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 to any finding or other matter in this report, or as to any product covered by the report.



ESR-2074

Reissued February 2017 Revised November 2017

This report is subject to renewal February 2019.

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 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

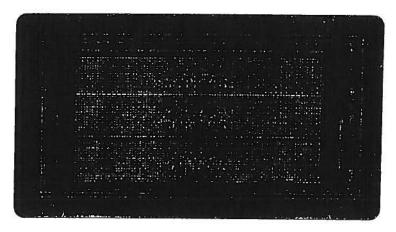


FIGURE 1—SMART VENT: MODEL 1540-510

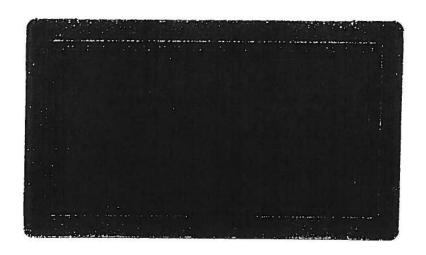


FIGURE 2—SMART VENT MODEL 1540-520

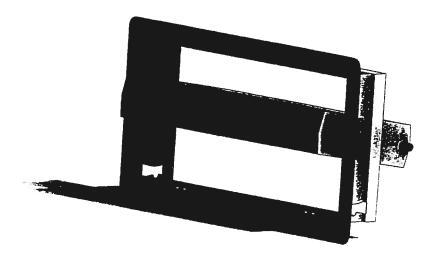


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN



ESR-2074 CBC and CRC Supplement

Issued February 2017 Revised November 2017 This report is subject to renewal February 2019.

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 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 $\mathsf{Code}^{\mathfrak{T}}$.

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





ESR-2074 FBC Supplement

Reissued February 2017 Revised November 2017 This report is subject to renewal February 2019.

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 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:

- 2017 Florida Building Code—Building
- 2017 Florida Building Code—Residential

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 Florida Building Code—Building and the FRC, provided the design and installation are in accordance with the 2015 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 Florida Building Code—Building and the Florida Building Code—Residential.

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 and revised November 2017.

