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.

SECTION A – PROPERTY INFORMATION			1	FOR INSURANCE COMPANY USE	
1. Building Owner's Name			Po	olicy Number:	
11 North Harvard LLC					
 Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 			O. Route and	Company NAIC Number:	
111 North Harvard Avenue					
City Ventnor		State New Jersey		P Code 1406	
A3. Property Description (Lot a	nd Block Numbers, Tax	Parcel Number, Legal I	Description, etc.)		
BLOCK: 386 LOT: 6		, ,			
	ntial, Non-Residential, A	ddition, Accessory, etc.) Residential 1~Story	Frame	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential 1 A5. Latitude/Longitude: Lat. 39*21'01.46" Long. 74*29'22.09" Horizontal Da				NAD 1927 ⋈ NAD 1983	
A6. Attach at least 2 photograp			d to obtain flood insuranc	ce.	
A7. Building Diagram Number					
A8. For a building with a crawl					
a) Square footage of craw		1,296 sq f	t		
b) Number of permanent f	lood openings in the cra	wispace or enclosure(s)) within 1.0 foot above a	djacent grade7	
c) Total net area of flood of					
d) Engineered flood openi	ngs? 🗵 Yes 📙 No	0			
, -		0			
A9. For a building with an attac	ched garage:				
A9. For a building with an attac	ched garage:	sq ft) foot above adiacent gra	ade 2	
A9. For a building with an attac a) Square footage of attac b) Number of permanent	ched garage: ched garage386 flood openings in the att	sq ft ached garage within 1.0	foot above adjacent gra	ade 2	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of the control of the cont	ched garage: ched garage 386 flood openings in the attention openings in A9.b 4	sq ft ached garage within 1.0) foot above adjacent gra	ade2	
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A9. For a building with an attact a) Square footage of attact b) Number of permanent of c) Total net area of flood of d) Engineered flood open	ched garage: ched garage 386 flood openings in the attropenings in A9.b 4 ings? X Yes N	sq ft ached garage within 1.0 100 sq in	AP (FIRM) INFORMAT	ION B3. State	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of c) Total net area of flood of d) Engineered flood open	ched garage: ched garage 386 flood openings in the attropenings in A9.b 4 ings? X Yes N	sq ft ached garage within 1.0 100 sq in lo	AP (FIRM) INFORMAT	ION	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of c) Total net area of flood of d) Engineered flood open S B1. NFIP Community Name & Ventnor 345326 34. Map/Panel B5. Suffix	ched garage: ched garage386 ched garage386 ched garage386 ched garage: ched	sq ft ached garage within 1.0	AP (FIRM) INFORMAT	B3. State New Jersey B9. Base Flood Elevation(s) (Zone AO, use Base	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of c) Total net area of flood of d) Engineered flood open S B1. NFIP Community Name & Ventnor 345326	ched garage: ched garage386 clood openings in the attraction and the second sec	sq ft ached garage within 1.0 ached garage within 1.0 ached garage within 1.0 ached sq in bo Sq in bo NSURANCE RATE MA B2. County Na Atlantic B7. FIRM Panel	AP (FIRM) INFORMAT	B3. State New Jersey B9. Base Flood Elevation(s)	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of c) Total net area of flood of d) Engineered flood open SB1. NFIP Community Name & Ventnor 345326 44. Map/Panel Number 45326-0001 B	ched garage: ched garage386 ched garage386 ched garage386 ched garage386 ched garage: ched garage:	sq ft ached garage within 1.0 ached garage garage within 1.0 ached garage gara	B8. Flood Zone(s)	B3. State New Jersey B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10.00	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of c) Total net area of flood of d) Engineered flood open SB1. NFIP Community Name & Ventnor 345326 4. Map/Panel Number 45326-0001 B B10. Indicate the source of the	ched garage: ched garage 386 flood openings in the attraction and the second se	sq ft ached garage within 1.0 ached garage garage within 1.0 ached garage g	AP (FIRM) INFORMAT me B8. Flood Zone(s) A8 d depth entered in Item I	B3. State New Jersey B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10.00	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of the control of the cont	ched garage: ched garage 386 flood openings in the attraction openings in A9.b 4 fings? X Yes N ECTION B – FLOOD II Community Number B6. FIRM Index Date 06/18/1971 Base Flood Elevation of Community Determines	sq ft ached garage within 1.0 ached garage within 1.0 ached garage within 1.0 ached sq in blo NSURANCE RATE MA B2. County Na Atlantic B7. FIRM Panel Effective/ Revised Date 09/15/1983 (BFE) data or base flood mined	AP (FIRM) INFORMAT me B8. Flood Zone(s) A8 d depth entered in Item is:	B3. State New Jersey B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10.00	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of c) Total net area of flood of d) Engineered flood open S B1. NFIP Community Name & Ventnor 345326 4. Map/Panel Number 45326-0001 B B10. Indicate the source of the ☐ FIS Profile ☒ FIRM B11. Indicate elevation datum	ched garage: ched garage386 chood openings in the attraction and the penings in A9.b4 ched garage386 ched garage: ched garage: 386 ched garage: 386 ched garage: 4 ched garage: 4 ched garage: 4 ched garage: 5 ched garage: 5 ched garage: 5 ched garage: 6 ched garage: 7 che	sq ft ached garage within 1.0 100 sq in lo NSURANCE RATE MA B2. County Na Atlantic B7. FIRM Panel Effective/ Revised Date 09/15/1983 (BFE) data or base floor mined Other/Source 9: NGVD 1929	AP (FIRM) INFORMAT me B8. Flood Zone(s) A8 d depth entered in Item is: NAVD 1988	B3. State New Jersey B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10.00 B9:	
A9. For a building with an attact a) Square footage of attact b) Number of permanent of c) Total net area of flood of d) Engineered flood open S B1. NFIP Community Name & Ventnor 345326 4. Map/Panel Number 45326-0001 B B10. Indicate the source of the ☐ FIS Profile ☒ FIRM B11. Indicate elevation datum	ched garage: ched garage386 clood openings in the attraction and the penings in A9.b4 clood openings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in A9.b4 clood openings in the attraction and the penings in A9.b4 clood openings in A9.b	sq ft ached garage within 1.0 100 sq in lo NSURANCE RATE MA B2. County Na Atlantic B7. FIRM Panel Effective/ Revised Date 09/15/1983 (BFE) data or base floor mined Other/Source 9: NGVD 1929	AP (FIRM) INFORMAT me B8. Flood Zone(s) A8 d depth entered in Item is: NAVD 1988	B3. State New Jersey B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) 10.00	

ELEVATION CERTIFICATE

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

PORTANT: In these spaces, copy the corresponding information from Section		FOR INSURANCE COMPANY USE Policy Number:	
ilding Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route 1 North Harvard Avenue	WIN DON HO		
ty State ZIP Co		Company NAIC N	lumber
SECTION C - BUILDING ELEVATION INFORMATION	ON (SURVEY	REQUIRED)	
			ed Construction
The Configurate will be required when construction of the building	is complete.		
C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE Complete Items C2.a–h below according to the building diagram specified in	i), AR, AR/A, A Item A7. In Pu	erto Rico only, enter	meters.
Benchmark Utilized: Private Benchmarks Vertical Datum: N			
Indicate elevation datum used for the elevations in items a) through h) below.	•		
NGVD 1929 ☐ NAVD 1988 ☐ Other/Source:	E		
Datum used for building elevations must be the same as that used for the BF	⊑.	Check the me	easurement used.
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	7. <u>50</u>	∑ feet	meters meters
	13, 50) X feet	meters
b) Top of the next higher floor	N/A	X feet	meters
c) Bottom of the lowest horizontal structural member (V Zones only)	7 50		meters
d) Attached garage (top of slab)	13 50		☐ meters
 e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) 			meters
 f) Lowest adjacent (finished) grade next to building (LAG) 	7, 50		
g) Highest adjacent (finished) grade next to building (HAG)	<u>7</u> . <u>80</u>) X feet	meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>7</u> . <u>5</u> 6	D X feet	☐ meters
SECTION D – SURVEYOR, ENGINEER, OR ARC	HITECT CER	TIFICATION	
This certification is to be signed and sealed by a land surveyor, engineer, or arch I certify that the information on this Certificate represents my best efforts to interpstatement may be punishable by fine or imprisonment under 18 U.S. Code, Section 18 U.S. Code,	itect authorize	d by law to certify ele	vation information that any false
Were latitude and longitude in Section A provided by a licensed land surveyor?	⊠Yes □N	lo 🗵 Check he	re if attachments.
Certifier's Name License Number			
Robert J. Catalano ~ Land Surveyor 18612			
Title			
Owner			lace
		· ·	Seal
Company Name			Here
Company Name Catalano Surveys			and the second s
Catalano Surveys Address			
Catalano Surveys Address 12 South Virginia Avenue	710 0-4-		
Catalano Surveys Address	ZIP Code 08401		
Catalano Surveys Address 12 South Virginia Avenue City Atlantic City Signature Date 03/18/2020	08401 Telephone (609) 345-18		
Catalano Surveys Address 12 South Virginia Avenue City Atlantic City Signature Date 03/18/2020	08401 Telephone (609) 345-18		and (3) building ow
Catalano Surveys Address 12 South Virginia Avenue City Atlantic City Signature Date	Telephone (609) 345-18	nce agent/company,	in sections A8 an

ELEVATION CERTIFICATE

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

MPORTANT: In these spaces, copy the corresponding info	rmation from Section A.		FOR INSURANC	E COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg	ı. No.) or P.O. Route and E	Вох No.	Policy Number:	
Building Street Address (including Apt., 54th, 54th) and 54th	,			
State	ZIP Code		Company NAIC	Number
City State Ventnor New Jer				
SECTION E BUILDING ELEVATION	ON INFORMATION (SUF ND ZONE A (WITHOUT	RVEY NOT BFE)	REQUIRED)	
		to support s	LOMA or LOMR-	F request,
For Zones AO and A (without BFE), complete Items E1–E5. If complete Sections A, B,and C. For Items E1–E4, use natural genter meters.	jiade, ii avallabio. Oliosik ii			
enter meters. E1. Provide elevation information for the following and check the highest adjacent grade (HAG) and the lowest adjacen	the appropriate boxes to st t grade (LAG).	now whethe	r the elevation is a	above of poloty
a) Top of bottom floor (including basement, crawlspace, or enclosure) is	[] fee	et 🗌 mete	rs 🔲 above or	below the HAG.
b) Top of bottom floor (including basement, crawlspace, or enclosure) is		et 🗌 mete	-··	below the LAG.
E2. For Building Diagrams 6–9 with permanent flood opening	s provided in Section A Ite	ms 8 and/o	· 9 (see pages 1–2	of Instructions),
the next higher floor (elevation C2.b in the diagrams) of the building is		et 🗌 mete		below the HAG.
E3. Attached garage (top of slab) is	[] fee	et 🗌 mete	rs 🔲 above or	below the HAG.
E4. Top of platform of machinery and/or equipment servicing the building is		et 🗌 mete		below the HAG.
E5. Zone AO only: If no flood depth number is available, is th floodplain management ordinance? Yes No	e top of the bottom floor el Unknown. The local o	evated in a official must	ccordance with the certify this informa	e community's ation in Section G.
SECTION F - PROPERTY OWNER (C	OR OWNER'S REPRESEN	ITATIVE) C	ERTIFICATION	
The property owner or owner's authorized representative who community-issued BFE) or Zone AO must sign here. The state Property Owner or Owner's Authorized Representative's Name	Cilicino in Godienio i , = , ·	and E for Z and E are co	one A (without a r	f my knowledge.
Address	City		tate	ZIP Code
Address		Т	elephone	
Signature	Date	!	eleptione	
Comments				
			☐ Check	here if attachments.
			L 44	

ELEVATION CERTIFICATE

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

IMPORTANT: In these spaces, copy the corre	FOR INSURANCE COMPANY USE			
Building Street Address (including Apt., Unit, St	ite, and/or Bldg. No.) or P.O. Route and Box No.			
811 North Harvard Avenue	,			
	State ZIP Code	Company NAIC Number		
City Ventnor	New Jersey 08406			
	N G - COMMUNITY INFORMATION (OPTION	AL)		
The local official who is authorized by law or or				
Sections A, B, C (or E), and G of this Elevation used in Items G8–G10. In Puerto Rico only, en	Certificate. Complete the applicable item(s) and term term tem (s) and term temperature item (s) and temperature item (s)	a sign below. Officer the measurement		
engineer, or architect who is authoriz data in the Comments area below.)	en from other documentation that has been sigr ed by law to certify elevation information. (Indic	ate the source and date of the cloveron		
or Zone AO.	on E for a building located in Zone A (without a			
G3. The following information (Items G4-	G10) is provided for community floodplain man			
G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate of Compliance/Occupancy Issued		
G7. This permit has been issued for:	New Construction Substantial Improveme	nt		
G8. Elevation of as-built lowest floor (including of the building:	g basement)	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 C.F.			
Community Name	Telephone			
Ventros		£ 23-7487		
	Date	6 8 - 3 (16)		
Signature				
	4-9	-20		
Comments (including type of equipment and lo	cation, per C2(e), if applicable)			
		Check here if attachments.		

BUILDING PHOTOGRAPHS

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

ELEVATION CERTIFICATE

See Instructions for Item A6.

ELEVATION CERTIFICATE			T COMPANY HOE
IMPORTANT: In these spaces, copy the corresponding information from Section A.			FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Ur 811 North Harvard Avenue	nit, Suite, and/or Bldg. No.) or	P.O. Route and Box No.	Policy Number:
City Ventnor	State New Jersey	ZIP Code 08406	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 leading to the state of the s vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

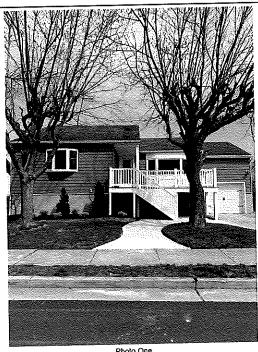


Photo One Caption Front View 3/18/2020

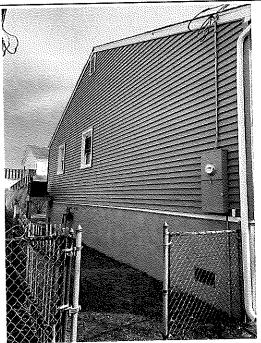


Photo Two

Photo Two Caption Side View 3/18/2020

BUILDING PHOTOGRAPHS

Continuation Page

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

ELEVATION CERTIFICATE

ELEVATION CERTIFICATE	COMMITTEE	1, 49	
IMPORTANT: In these spaces, copy the col	rresponding information	from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, 811 North Harvard Avenue	Suite, and/or Bldg. No.) or	P.O. Route and Box No.	Policy Number:
City	State New Jersey	ZIP Code 08406	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.

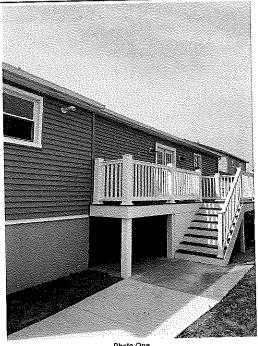


Photo One Caption Rear View 3/18/2020

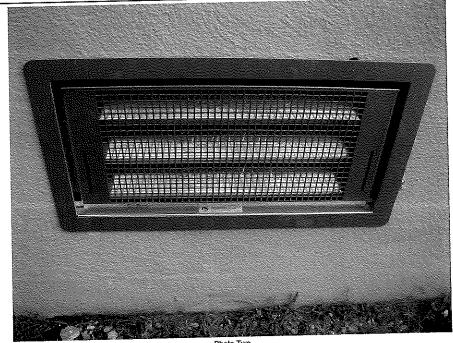


Photo Two Caption Engineered Flood Vent Smart Vent Model#1540-510



Most Widely Accepted and Trusted

ICC-ES Evaluation Report

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ESR-2074

Reissued 02/2019
This report is subject to renewal 02/2021.

DIVISION: 08 00 00—OPENINGS

SECTION: 08 95 43—VENTS/FOUNDATION FLOOD VENTS

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

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

FLOOD VENT SEALING KIT #1540-526



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





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ICC-ES Evaluation Report

ESR-2074

Reissued February 2019

This report is subject to renewal February 2021.

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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:

SMART VENT PRODUCTS, INC.

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 FLOOD VENT SEALING KIT #1540-526

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018, 2015, 2012, 2009 and 2006 International Building Code® (IBC)
- 2018, 2015, 2012, 2009 and 2006 International Residential Code® (IRC)
- 2018 International Energy Conservation Code® (IECC)
- 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.

3.4 Flood Vent Sealing Kit:

The Flood Vent Sealing Kit Model #1540-526 is used with SmartVENT® Model #1540-520. It is a Homasote 440 Sound Barrier® (ESR-1374) insert with 21 – 2-inch-by-2-inch (51 mm x 51 mm) squares cut in it. See Figure 4.

4.0 DESIGN AND INSTALLATION

4.1 SmartVENT® and FloodVENT®:

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.

4.2 Flood Vent Sealing Kit

The Flood Vent Sealing Kit Model 1540-526 is used in conjunction with FloodVENT® Model #1540-520. When installed and tested in accordance with ASTM E283, the FV and Flood Vent Sealing Kit assembly have an air leakage rate of less than 0.2 cubic feet per minute per lineal foot (18.56 l/min per lineal meter) at a pressure differential of 1 pound per square foot (50 Pa) based on 12.58 lineal feet (3.8 lineal meters) contained by the Flood Vent Sealing Kit.

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

- 6.1 Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (editorially revised October 2017).
- 6.2 Test report on air infiltration in accordance with ASTM E283.

7.0 IDENTIFICATION

- 7.1 The Smart VENT[®] models and the Flood Vent Sealing Kit 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).
- 7.2 The report holder's contact information is the following:

SMART VENT PRODUCTS, INC. 430 ANDBRO DRIVE, UNIT 1 PITMAN, NEW JERSEY 08071 (877) 441-8368 www.smartvent.com info@smartvent.com

TABLE 1-MODEL SIZES

MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT®	1540-520	15 ³ / ₄ " × 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 " × 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

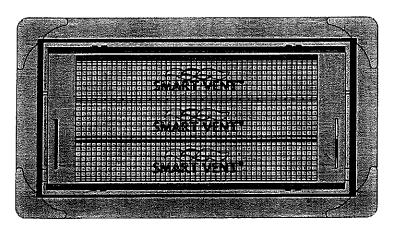


FIGURE 1-SMART VENT: MODEL 1540-510

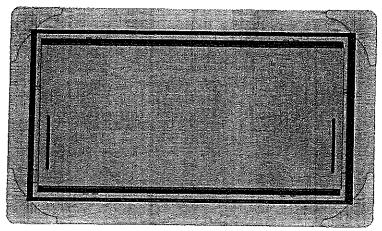


FIGURE 2—SMART VENT MODEL 1540-520

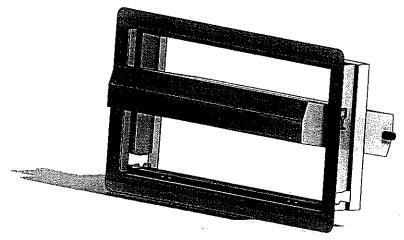


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

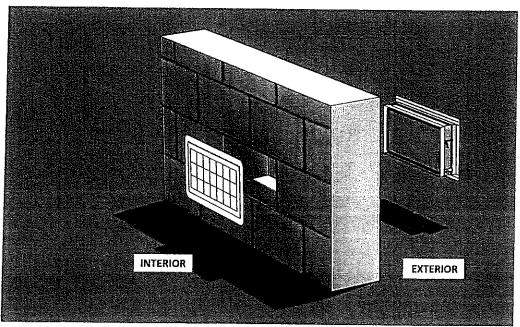


FIGURE 4-FLOOD VENT SEALING KIT



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

Reissued 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:

SMART VENT PRODUCTS, INC.

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
FLOOD VENT SEALING KIT #1540-526

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 2019.





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DIVISION: 08 00 00-OPENINGS

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REPORT HOLDER:

SMART VENT PRODUCTS, INC.

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 FLOOD VENT SEALING KIT #1540-526

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 2019.



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