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

OMB No. 1660-0008 Expiration Date: November 30, 2022

# 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	FOR INSURANCE COMPANY US
A1. Building Owner's Name	Policy Number:
Mikki Ashin	
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. #109 S. Baltimore Avenue	Company NAIC Number:
City State	ZIP Code
	08406
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Block 40 Lot 2	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential	
A5. Latitude/Longitude: Lat. 39.3321 Long74.4889 Horizontal Datum	n: NAD 1927 X NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insura	ance.
A7. Building Diagram Number7	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s) 1129.00 sq ft	H
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above	adjacent grade 6
c) Total net area of flood openings in A8.b 1200.00 sq in	* * * ,
d) Engineered flood openings? X Yes No	
A9. For a building with an attached garage:	
a) Square footage of attached garage 0.00 sq ft	
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent g	rade 0
c) Total net area of flood openings in A9.b 0.00 sq in	
d) Engineered flood openings?	
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMA	TION
B1. NFIP Community Name & Community Number B2. County Name	B3. State
CITY OF VENTNOR & 345326 ATLANTIC COUNTY	New Jersey
B4. Map/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Panel Effective/ Revised Date B8. Flood Zone(s) B9. B	ase Flood Elevation(s) Zone AO, use Base Flood Depth)
345326/0001 B 06-18-1971 09-15-1983 B N/A	* A
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item	B9:
FIS Profile X FIRM Community Determined Other/Source:	<del></del>
B11. Indicate elevation datum used for BFE in Item B9: X NGVD 1929 NAVD 1988 Oth	ner/Source:
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Prote	cted Area (OPA)? Yes X No
Designation Date: CBRS OPA	

# **ELEVATION CERTIFICATE**

OMB No. 1660-0008 Expiration Date: November 30, 2022

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 Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Boundard Street Address (including Apt., Unit, Suite, and Suite, a	ox No.	Policy Number:			
CityStateZIP CodeVentnorNew Jersey08406		Company NAIC Number			
SECTION C - BUILDING ELEVATION INFORMATION (SL	JRVEY RE	QUIRED)			
C1. Building elevations are based on:  Construction Drawings*  Building Und *A new Elevation Certificate will be required when construction of the building is com-		etion* X Finished Construction			
C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, Complete Items C2.a–h below according to the building diagram specified in Item A Benchmark Utilized: private Vertical Datum: NGVD29	AR/A, AR/A 7. In Puerto	AE, AR/A1–A30, AR/AH, AR/AO. Rico only, enter meters.			
Indicate elevation datum used for the elevations in items a) through h) below.   NGVD 1929 NAVD 1988 Other/Source:					
Datum used for building elevations must be the same as that used for the BFE.		Check the measurement used.			
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)		11.2 X feet  meters			
b) Top of the next higher floor		20.1 X feet meters			
c) Bottom of the lowest horizontal structural member (V Zones only)		N/A X feet meters			
d) Attached garage (top of slab)		N/A X feet meters			
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)		14.5 X feet  meters			
f) Lowest adjacent (finished) grade next to building (LAG)		11.0 X feet meters			
g) Highest adjacent (finished) grade next to building (HAG)		11.5 X feet meters			
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	54	11.6 X feet  meters			
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT	SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION				
This certification is to be signed and sealed by a land surveyor, engineer, or architect aut I certify that the information on this Certificate represents my best efforts to interpret the statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001	data availal	law to certify elevation information. ole. I understand that any false			
Were latitude and longitude in Section A provided by a licensed land surveyor?	. □ No				
Certifier's Name License Number Paul M. Koelling, PLS, CFM NJ24GS 04328800		4			
Title					
Professional Land Surveyor		Place			
Company Name Paul Koelling & Associates NJ C.O.A. 24GA28256300		Seal			
Address 2161 Shore Road sox-PHKsurvey@comcast.net		Here			
City State ZIP Co Linwood New Jersey 08221	de				
Signature Oaul Telepho (609) 9	one 27-0279	Ext.			
Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2)	insurance a	gent/company, and (3) building owner.			
Comments (including type of equipment and location, per C2(e), if applicable)  *A8 & A9.) Smart Vents Model #1540-520 engineered for 200 square inches of net area esketch for flood vent compliancySurveyor does not guaranty compliancy due to vague with varying interpretations of said Instructions between Municipalities)					
***C2a.) enclosure (see sketch) (elev 11.2)elev pit (elev 10.4)					
****C2e.) exterior air unit (elev 18.8)furnace (elev 17.1)ductwork (elev 18.4)elev	ator equipn	nent (elev 14.5)			

# **ELEVATION CERTIFICATE**

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these space	s, copy the correspo	nding information	from Section A.	FOR INSU	JRANCE COMPANY USE
Building Street Address (inclu #109 S. Baltimore Avenue	iding Apt., Unit, Suite,	and/or Bldg. No.) or	P.O. Route and Box N	lo. Policy Nu	mber:
City		State	ZIP Code	Company	NAIC Number
Ventnor		New Jersey	08406	, s.	T <sub>0</sub>
SEC	TION E - BUILDING FOR ZO	ELEVATION INFO	RMATION (SURVEY	NOT REQUIRE	D)
For Zones AO and A (without complete Sections A, B,and C enter meters.	C. For Items E1–E4, us	se natural grade, if a	vailable. Check the me	easurement used.	In Puerto Rico only,
E1. Provide elevation informathe highest adjacent gradian a) Top of bottom floor (in	de (HAG) and the lowe			vhether the elevat	ion is above or below
crawispace, or enclo			feet	meters abo	ove or Delow the HAG.
b) Top of bottom floor (in crawlspace, or enclosed			∏ feet □	meters abo	ove or Delow the LAG.
					4.0 - 5! 4
E2. For Building Diagrams 6 the next higher floor (ele the diagrams) of the buil	vation C2.b in	od openings provided	in Section A Items 8		ove or below the HAG.
E3. Attached garage (top of	355				ove or below the HAG.
E4. Top of platform of machi servicing the building is	***************************************			<i>i</i> .	ove or □ below the HAG.
E5. Zone AO only: If no floor	d depth number is avai	lable, is the top of th	ne bottom floor elevated	d in accordance v	vith the community's
floodplain management		☐ No ☐ Unkno	own. The local official	must certify this i	information in Section G.
			R'S REPRESENTATI	VE) CERTIFICAT	ION
SECT	ION F - PROPERTY C	OWNER (OR OWNE	A C ILL ILLOUINING		
SECTI The property owner or owner community-issued BFE) or Zo	's authorized represen	tative who complete	s Sections A. B. and E	for Zone A (with	out a FEMA-issued or best of my knowledge.
The property owner or owner	s authorized represent one AO must sign here	tative who complete e. The statements in	s Sections A. B. and E	for Zone A (with	out a FEMA-issued or best of my knowledge.
The property owner or owner community-issued BFE) or Zo	s authorized represent one AO must sign here	tative who complete a. The statements in tive's Name	s Sections A. B. and E	for Zone A (with	out a FEMA-issued or best of my knowledge.  ZIP Code
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a	for Zone A (with are correct to the	best of my knowleage.
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The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	for Zone A (with are correct to the State	best of my knowleage.
The property owner or owner community-issued BFE) or Zo Property Owner or Owner's A Address Signature	s authorized represent one AO must sign here	tative who complete The statements in tive's Name	es Sections A, B, and E Sections A, B, and E a City	State Telephone	best of my knowleage.

# **ELEVATION CERTIFICATE**

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding information	n from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) of #109 S. Baltimore Avenue	or P.O. Route and Box No.	Policy Number:
City State	ZIP Code	Company NAIC Number
Ventnor New Jersey	08406	Sompany 10 no 10ames.
SECTION G - COMMUNITY II	NFORMATION (OPTIONAL)	
The local official who is authorized by law or ordinance to administer to Sections A, B, C (or E), and G of this Elevation Certificate. Complete to used in Items G8–G10. In Puerto Rico only, enter meters.	he community's floodplain ma the applicable item(s) and sig	anagement ordinance can complete n below. Check the measurement
G1. The information in Section C was taken from other documer engineer, or architect who is authorized by law to certify elected data in the Comments area below.)	vation information. (Indicate t	he source and date of the elevation
G2. A community official completed Section E for a building loca or Zone AO.		€ 37
G3. The following information (Items G4–G10) is provided for co	ommunity floodplain managen	nent purposes.
G4. Permit Number G5. Date Permit Issu	G6.	Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for:	Substantial Improvement	
G8. Elevation of as-built lowest floor (including basement) of the building:	fee	et meters Datum
G9. BFE or (in Zone AO) depth of flooding at the building site:	fee	et meters Datum
G10. Community's design flood elevation:	fee	et meters Datum
Local Official's Name  Divo Cavalieri	Title C.F.w.	
Community Name	Telephone	
Vantnor	609	323-7987
Signature	Date	
Comments (including type of equipment and location, per C2(e), if app	6-co -	<i>L</i> (
Comments (including type of equipment and location, per 62(e), if app	olicable)	
t and		
* * * * * * * * * * * * * * * * * * *		
		Check here if attachments.

Building Photographs
See Instructions for Item A6.

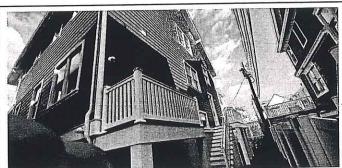
For Insurance Company Use: Building Street Address (including Apt., Unit, Suite, and/or Bldg.) No. or P.O. Route and Box No. **Policy Number** #109 S. Baltimore Avenue ZIP Code **Company NAIC Number** State City 08406

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two 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." If submitting more photographs than will fit on this page, use the Continuation Page on the reverse.

NJ

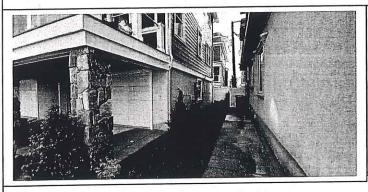


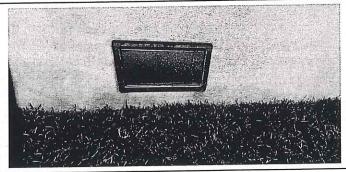
Ventnor



Front View - Date of Photograph: (05-28-21)

Rear View - Date of Photograph: (05-28-21)





Right Side View - Date of Photograph: (05-28-21)

Vent View - Date of Photograph: (05-28-21)



**Most Widely Accepted and Trusted** 

**ESR-2074** 

Reissued 02/2021 Revised 04/2021 This report is subject to renewal 02/2023.

# **ICC-ES Evaluation Report**

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

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"

A Subsidiary of CODE COUNCIL

A Subsidiary of

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.





# **ICC-ES Evaluation Report**

**ESR-2074** 

Reissued February 2021 Revised April 2021

This report is subject to renewal February 2023.

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:

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:

- 2021, 2018, 2015, 2012, 2009 and 2006 International Building Code® (IBC)
- 2021, 2018, 2015, 2012, 2009 and 2006 International Residential Code® (IRC)
- 2021, 2018 International Energy Conservation Code<sup>®</sup> (IECC)
- 2013 Abu Dhabi International Building Code (ADIBC)<sup>†</sup>

<sup>†</sup>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 described 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 February 2021).
- 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 described 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 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
SmartVENT®	1540-510	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
FloodVENT® Overhead Door	1540-524	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
SmartVENT® Overhead Door	1540-514	15 <sup>3</sup> / <sub>4</sub> " X 7 <sup>3</sup> / <sub>4</sub> "	200
Wood Wall FloodVENT®	1540-570	14" X 8 <sup>3</sup> / <sub>4</sub> "	200
Wood Wall FloodVENT® Overhead Door	1540-574	14" X 8 <sup>3</sup> / <sub>4</sub> "	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 = m<sup>2</sup>

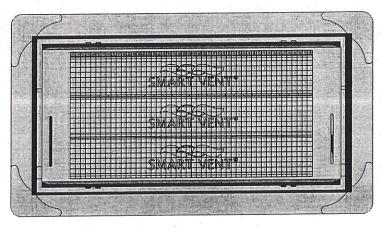


FIGURE 1-SMART VENT: MODEL 1540-510

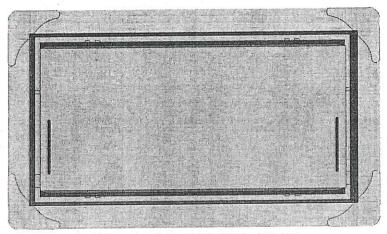


FIGURE 2—SMART VENT MODEL 1540-520

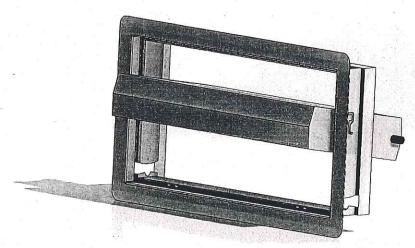


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

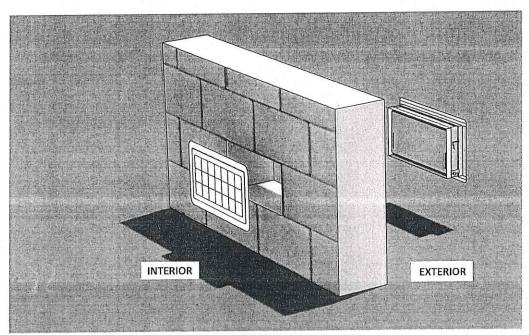


FIGURE 4—FLOOD VENT SEALING KIT



# **ICC-ES Evaluation Report**

# **ESR-2074 CBC and CRC Supplement**

Reissued February 2021 Revised April 2021

This report is subject to renewal February 2023.

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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, described in ICC-ES evaluation report ESR-2074, have also been evaluated for compliance with codes noted below.

#### Applicable code editions:

■ 2019 California Building Code (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) and Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

■ 2019 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 evaluation report ESR-2074, comply with 2019 CBC Chapter 12, provided the design and installation are in accordance with the 2018 International Building Code® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 12 and 16, as applicable.

#### 2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

#### 2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with the 2019 CRC, provided the design and installation are in accordance with the 2018 International Residential Code® (IRC) provisions noted in the evaluation report.

This supplement expires concurrently with the evaluation report, reissued February 2021 and revised April 2021.





# **ICC-ES Evaluation Report**

# **ESR-2074 FBC Supplement**

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REPORT HOLDER:

SMART VENT PRODUCTS, INC.

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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, described in ICC-ES evaluation report ESR-2074, have also been evaluated for compliance with the codes noted below.

#### Applicable code editions:

- 2020 Florida Building Code—Building
- 2020 Florida Building Code—Residential

#### 2.0 CONCLUSIONS

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the evaluation report ESR-2074, comply with the *Florida Building Code—Building* and the *Florida Building Code-Residential*, provided the design requirements are determined in accordance with the *Florida Building Code-Building* or the *Florida Building Code-Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-2074 for 2018 *International Building Code®* meet the requirements of the *Florida Building Code-Building* or the *Florida Building Code-Residential*, as applicable.

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 61G20-3, 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 evaluation report, reissued February 2021 and revised April 2021.

