Form Instructions

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

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 1-11

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 USE
A1. Building Owner's Name: KARNES ROBERT P & KARNES BETH D	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 7445 SANDERLING RD	Company NAIC Number:
City: SARASOTA State: FLORIDA	ZIP Code: 34242
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Nur METES & BOUNDS, SIESTA PROPERTIES INC UNIT 1, TAX ID #0110130012	nber:
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): RESIDENTIAL	
A5. Latitude/Longitude: Lat. 27.241101° Long82.530685° Horizontal Datum:	IAD 1927 🔳 NAD 1983 🗌 WGS 84
A6. Attach at least two and when possible four clear photographs (one for each side) of the building	g (see Form pages 7 and 8).
A7. Building Diagram Number: 6	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s): 1,738 sq. ft.	
b) Is there at least one permanent flood opening on two different sides of each enclosed area?	Yes No N/A
 c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot Non-engineered flood openings: <u>N/A</u> Engineered flood openings: <u>9</u> 	
d) Total net open area of non-engineered flood openings in A8.c:N/A sq. in.	
e) Total rated area of engineered flood openings in A8.c (attach documentation - see Instruction	ons):1,800 sq. ft.
f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): N/A sq. ft.	
A9. For a building with an attached garage:	
a) Square footage of attached garage: N/A sq. ft.	
b) Is there at least one permanent flood opening on two different sides of the attached garage?	? 🗌 Yes 🗌 No 🔳 N/A
c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adja Non-engineered flood openings: <u>N/A</u> Engineered flood openings: <u>N/A</u>	•
d) Total net open area of non-engineered flood openings in A9.c: N/A sq. in.	
e) Total rated area of engineered flood openings in A9.c (attach documentation - see Instruction	ons): N/A sq. ft.
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): sq. ft.	
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFOR	RMATION
B1.a. NFIP Community Name: SARASOTA COUNTY B1.b. NFIP Community Ide	ntification Number: 125144
B2. County Name: SARASOTA B3. State: FL B4. Map/Panel No.:	12115C-0207 B5. Suffix: F
B6. FIRM Index Date: 11/04/2016 B7. FIRM Panel Effective/Revised Date: 11/04/20	016
B8. Flood Zone(s): AE B9. Base Flood Elevation(s) (BFE) (Zone AO, use I	Base Flood Depth): 11'
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: ☐ FIS ■ FIRM ☐ Community Determined ☐ Other:	
B11. Indicate elevation datum used for BFE in Item B9: 🗌 NGVD 1929 🔳 NAVD 1988 🗌 Other	/Source:
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Prot Designation Date: <u>N/A</u> CBRS OPA	ected Area (OPA)? 🗌 Yes 🔳 No
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)?	No

FEMA Form FF-206-FY-22-152 (formerly 086-0-33) (8/23)

Form Instructions ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS OF	DN PAGES 1-11			
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box N 7445 SANDERLING RD	No.: FOR INSURANCE COMPANY USE			
City: SARASOTA State: FLORIDA ZIP Code: 34242	Policy Number: Company NAIC Number:			
SECTION C – BUILDING ELEVATION INFORMATION (S				
C1. Building elevations are based on: Construction Drawings* Building Under *A new Elevation Certificate will be required when construction of the building is comp	Construction* Finished Construction blete.			
C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), A A99. Complete Items C2.a–h below according to the Building Diagram specified in Ite Benchmark Utilized: NGS 1784 A35 R12 EL: 3.97' Vertical Datum: NAVI	em A7. In Puerto Rico only, enter meters.			
Indicate elevation datum used for the elevations in items a) through h) below.				
Datum used for building elevations must be the same as that used for the BFE. Conversio If Yes, describe the source of the conversion factor in the Section D Comments area.	on factor used? Yes No Check the measurement used:			
a) Top of bottom floor (including basement, crawlspace, or enclosure floor):	5.3 Feet meters			
b) Top of the next higher floor (see Instructions):	18.9 🔳 feet 🗌 meters			
c) Bottom of the lowest horizontal structural member (see Instructions):	N/A 🔲 feet 🗌 meters			
d) Attached garage (top of slab):	5.3 🔳 feet 🗌 meters			
 e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area): 	12.0 🔳 feet 🗌 meters			
f) Lowest Adjacent Grade (LAG) next to building: 🗌 Natural 🔳 Finished _	4.6 🔳 feet 🗌 meters			
g) Highest Adjacent Grade (HAG) next to building: 📃 Natural 🔳 Finished _	7.0 🔳 feet 🗌 meters			
 h) Finished LAG at lowest elevation of attached deck or stairs, including structural support: 	N/A 🔲 feet 🗌 meters			
SECTION D – SURVEYOR, ENGINEER, OR ARCHITED	CT CERTIFICATION			
This certification is to be signed and sealed by a land surveyor, engineer, or architect auth information. <i>I certify that the information on this Certificate represents my best efforts to in false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 2</i>	terpret the data available. I understand that any			
Were latitude and longitude in Section A provided by a licensed land surveyor? Tes	No			
Check here if attachments and describe in the Comments area.				
Certifier's Name: B. GREGORY RIETH, PSM, CFM License Number: 5228				
Title: VICE PRESIDENT	GREGORY MILLING			
Company Name: BENNETT-PANFIL, INC.				
Address: 742 SHAMROCK BLVD	NO. 5228			
City: VENICE State: Florida ZIP Code: 34	1293 1293 1293			
Signature: Date: 01/23	3/2023			
Telephone: (941) 497-1290 Ext.: Email: INFO@BPISURVEY.COM	Place Seal Here			
Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.				
Comments (including source of conversion factor in C2; type of equipment and location per (File #19-03-06) (1043/66) [Section A5] Derived from a hand held G.P.S. unit (GPSTEST App - No Conversion). [Section A9] Eng Products, Inc. model number 1540-520, ICC-ES Report No. 2774 (attached). [Section C2e] Is the water Date of Field Survey: 01/17/2023	jineered openings manufactured by Smart Vent			

Form Instructions		ATION CERTIFICAT		S 1-11	
Building Street Addre 7445 SANDERLIN	ss (including Apt., Unit, Suite, and/or Bl	dg. No.) or P.O. Route and B	ox No.:	FOR INSURANCE CON	IPANY USE
City: SARASOTA		FLORIDA ZIP Code: 3424	42	Policy Number: Company NAIC Number:	
S	ECTION E – BUILDING MEASU FOR ZONE AO, ZON	REMENT INFORMATION E AR/AO, AND ZONE A	•		
	O, and A (without BFE), complete Iter a Letter of Map Change request, comp				
	ents are based on: Construction I construction I or tificate will be required when constru			on* Finished Construct	tion
	ements (C.2.a in applicable Building E above or below the natural HAG and		nd check the a	appropriate boxes to show v	whether the
	n floor (including basement, or enclosure) is:	feet	meters	above or below	w the HAG.
	n floor (including basement, or enclosure) is:	feet	meters	above or below	w the LAG.
next higher floor	ngrams 6–9 with permanent flood oper r (C2.b in applicable m) of the building is:		_		
E3. Attached garage		feet	meters meters		w the HAG. w the HAG.
	of machinery and/or equipment		meters	above or below	w the HAG.
	f no flood depth number is available, is gement ordinance?			ccordance with the commu ust certify this information ir	
SECTION	I F – PROPERTY OWNER (OR O	WNER'S AUTHORIZED	REPRESEN	ITATIVE) CERTIFICATIO	NC
	or owner's authorized representative v ments in Sections A, B, and E are corr			one A (without BFE) or Zor	ne AO must
Check here if att	achments and describe in the Comme	ents area.			
Property Owner or C	wner's Authorized Representative Na	me:			
Address:					
City:			State:	ZIP Code:	
Signature:		Date:			
Telephone:	Ext.: Emai	l:			
Comments:					

Form Instructions	ELEVATION CI IMPORTANT: MUST FOLLOW THE I		PAGES 1-11	
Building Street Addres 7445 SANDERLIN	ss (including Apt., Unit, Suite, and/or Bldg. No.) or P.o	O. Route and Box No.:	FOR INS	SURANCE COMPANY USE
City: SARASOTA	State: FLORIDA ZI	P Code: 34242		umber: v NAIC Number:
SECTION G	- COMMUNITY INFORMATION (RECOMME			AL COMPLETION)
	is authorized by law or ordinance to administer the , or H of this Elevation Certificate. Complete the ap			ordinance can complete
engineer,	nation in Section C was taken from other documer or architect who is authorized by state law to certii data in the Comments area below.)			
	ficial completed Section E for a building located in a pleted for a building located in Zone AO.	Zone A (without a BF	E), Zone AO, or Z	one AR/AO, or when item
G2.b. 🗌 A local of	ficial completed Section H for insurance purposes.			
G3. 🗌 In the Co	mments area of Section G, the local official describ	es specific correction	s to the information	on in Sections A, B, E and H.
G4. 🗌 The follow	ving information (Items G5–G11) is provided for co	mmunity floodplain m	anagement purpo	oses.
G5. Permit Numb	er: G6. Date Permi	t Issued:		
G7. Date Certifica	te of Compliance/Occupancy Issued:			
G8. This permit h	as been issued for: \Box New Construction \Box Su	bstantial Improvemer	t	
G9.a. Elevation of a buildir	s-built lowest floor (including basement) of the ng:		eet 🗌 meters	Datum:
G9.b. Elevation of b member:	ottom of as-built lowest horizontal structural		eet 🗌 meters	Datum:
G10.a. BFE (or depth	n in Zone AO) of flooding at the building site:		eet 🗌 meters	Datum:
	minimum elevation (or depth in Zone AO) or the lowest floor or lowest horizontal structural			
			eet 📋 meters	Datum:
	ed? Yes No If yes, attach documenta			
	provides information in Section G must sign here. my knowledge. If applicable, I have also provided			
Local Official's Name	:	Title:		
NFIP Community Na	me:			
Telephone:	Ext.: Email:			
Address:				
City:		State	: ZIP	Code:
Signature:		Date:		
Comments (including Sections A, B, D, E, o	type of equipment and location, per C2.e; descriptor H):	tion of any attachmen	ts; and correction	s to specific information in

Form Instructions		ELEVATION C			S 1-11		
Building Street Addr 7445 SANDERLI	ess (including Apt., Unit, Suite, a NG RD	nd/or Bldg. No.) or P	.O. Route and B	ox No.:	FOR IN	SURANCE COMPANY US	E
City: SARASOTA		State: FLORIDA Z	ZIP Code: 3424	2	Policy Nu Compan	umber: y NAIC Number:	—
	SECTION H – BUILDING'S (SURVEY NOT R						_
to determine the bu nearest tenth of a fo	, owner's authorized representa ilding's first floor height for insu bot (nearest tenth of a meter in the appropriate Building Diag	rance purposes. Se Puerto Rico). Refer	ctions A, B, and ence the Found	l must also b lation Type	be complete Diagrams	ed. Enter heights to the (at the end of Section H	S
H1. Provide the he	ight of the top of the floor (as in	dicated in Foundation	on Type Diagran	ns) above the	e Lowest A	djacent Grade (LAG):	
floor (include a	g Diagrams 1A, 1B, 3, and 5– bove-grade floors only for build lspaces or enclosure floors) is:			feet [meters	above the LAG	
	g Diagrams 2A, 2B, 4, and 6– ., the floor above basement, cra) is:			feet	meters	☐ above the LAG	
H2 arrow (show	y and Equipment servicing the vn in the Foundation Type Diag Io						е
SECTIO	N I – PROPERTY OWNER	(OR OWNER'S A		REPRESEN	ITATIVE)	CERTIFICATION	
A, B, and H are con indicate in Item G2.	or owner's authorized represent rect to the best of my knowledg b and sign Section G. tachments are provided (includi Owner's Authorized Representa	e. Note: If the local	floodplain mana	gement offic	ial complete	ed Section H, they should omments area.	
Address:							_
City:				State:	ZIP	Code:	_
Signature:			Date:				
Telephone:	Ext.:	Email:					
Comments:							

Form Instructions

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 1-11 BUILDING PHOTOGRAPHS

See Instructions for Item A6.

7445 SANDERLING RD Poil of the one of the		See Instructions for Item A6.	
City: SARASOTA State: FLORIDA ZIP Code: 34242 City many NAIC Number: Company NAIC Number: Com		pt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/cowhouses). Identify all photographs with the date take and eff-ront View," "Rear View "Eight Side (View)" Photographs must show the foundation. When flood openings or verts, as indicated in Sections A8 and A9. Fibre Cone Caption: FPCTO TAKEN 01/17/2023 Clear Photo Caption: IPCTO TAKEN 01/17/2023 Clear Photo IPCTO TAKEN 01/17/2023		State: FLORIDA ZIP Code: 34242	
	able to take front and back pictures "Right Side View," or "Left Side Vie	s of townhouses/rowhouses). Identify all photographs with the da ew." Photographs must show the foundation. When flood openin	ne building (for example, may only be ate taken and "Front View," "Rear View," igs are present, include at least one
Photo Two Caption: PHOTO TAKEN 01/17/2023] Clear Photo Two	Photo One Caption:	[PHOTO TAKEN 01/17/2023]	Clear Photo One
Photo Two Caption: PHOTO TAKEN 01/17/2023] Clear Photo Two			
	Photo Two Caption:	PHOTO TAKEN 01/17/2023]	Clear Photo Two

Form Instructions

ELEVATION CERTIFICATE IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON PAGES 1-11 BUILDING PHOTOGRAPHS

Continuation Page

	Continuation Page	
Building Street Address (including <i>,</i> 7445 SANDERLING RD	Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
City: SARASOTA	State: FLORIDA ZIP Code: 34242	Policy Number: Company NAIC Number:
nsert the third and fourth photogr /iew," or "Left Side View." When /ents, as indicated in Sections A8	raphs below. Identify all photographs with the date taken and flood openings are present, include at least one close-up pho 3 and A9.	"Front View," "Rear View," "Right Side otograph of representative flood openings or
hoto Three Caption:	[PHOTO TAKEN 01/17/2023]	Clear Photo Thre
Photo Four Caption:	[PHOTO TAKEN 01/17/2023]	Clear Photo Fou



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ICC-ES Evaluation Report

ESR-2074

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Reissued 02/2023 This report is subject to renewal 02/2025.

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

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 and 2018 International Energy Conservation Code[®] (IECC)
- 2013 Abu Dhabi International Building Code (ADIBC)[†]

 $^{\dagger}\text{The ADIBC}$ 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

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Reissued February 2023

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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:

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- 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

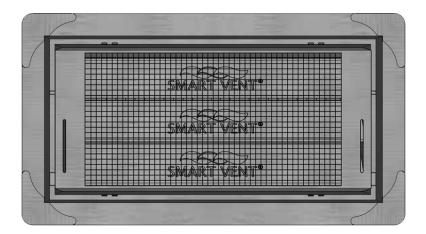
- 7.1 The Smart VENT[®] models and the Flood Vent Sealing Kit described in this report must be identified by a label bearing the manufacturer's name (Smartvent Products, Inc.), the model number, and the evaluation report number (ESR-2074).
- 7.2 The report holder's contact information is the following:

SMART VENT PRODUCTS, INC. 19 MANTUA ROAD MOUNT ROYAL, NEW JERSEY 08061 (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 " 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		

TABLE 1—MODEL SIZES

For SI: 1 inch = 25.4 mm; 1 square foot = m^2



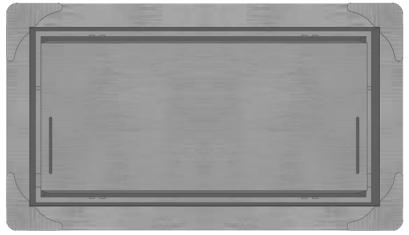


FIGURE 2—SMART VENT MODEL 1540-520



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

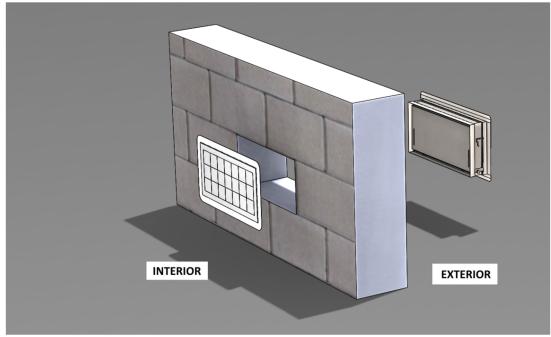


FIGURE 4—FLOOD VENT SEALING KIT



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

Reissued February 2023 This report is subject to renewal February 2025.

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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) AKA: California Department of Health Care Access and Information (HCAI) and the 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.

2.2 CRC:

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 2023.





ICC-ES Evaluation Report

ESR-2074 FBC Supplement

Reissued February 2023 This report is subject to renewal February 2025.

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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 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*[®].

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 2023.

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