# 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.

		TION A - PROPERT	Y INFOR	MATION				RANCE COMPANY USE
A1. Building Owne VERONICA HERN.	ANDEZ GOI						Policy Num	The state of the s
A2. Building Street Box No. 110 RUTGERS RO		cluding Apt., Unit, Sui	te, and/o	or Bldg. No.) o	or P.O. Route a	nd	Company N	IAIC Number:
City VENICE		* *	3	State Florida			ZIP Code 34293	1 76 70 70
A3. Property Desc LOTS 13307 & 133	ription (Lot a 08, SOUTH	ind Block Numbers, Ta VENICE UNIT 51, TA	ax Parce X ID #0-	Number, Le 461130139	gal Description	, etc.)		
A4. Building Use (	e.g., Resider	ntial, Non-Residential,	Addition	, Accessory,	etc.) RESID	ENTIAL		
A5. Latitude/Longit	ude: Lat. 2	7.03605°	Long	32.39958°	Horizo	ntal Datun	n: NAD 1	927 X NAD 1983
		hs of the building if the	_					
A7. Building Diagra								
A8. For a building v	vith a crawls	space or enclosure(s):						
a) Square foot	age of crawl	space or enclosure(s)	e=		0 sq ft			
b) Number of p	ermanent fic	ood openings in the cr	awispac	e or enclosur	e(s) within 1.0 f	oot above	adjacent gra	de 0
c) Total net are	ea of flood o	penings in A8.b		0 sq ir	i			2 2 9
d) Engineered	flood openir	ngs? Yes 🗆 Y	No					
A9. For a building w	ith an attach	ned garage:						
a) Square foots	age of attach	ed garage		480 sq ft				
b) Number of p	ermanent flo	ood openings in the at	tached g	arage within	1.0 foot above a	adiacent a	rade 1	
c) Total net are				200 sq				
d) Engineered	flood openin	gs? 🛛 Yes 🗌 N	lo					
	SE	CTION B - FLOOD I	NSURA	NCE RATE	MAD (EIDM) II	NEODMA	TION	
B1. NFIP Communit	y Name & C	community Number	110010	B2. County		NFORMA	TION	B3. State
SARASOTA COUN	TY - 125144			SARASOTA				Florida
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	Effe	RM Panel ective/ vised Date	B8. Flood Zone(s)	B9. B (Z	ase Flood El one AO, use	evation(s) Base Flood Depth)
12115C-0342	F	11-04-2016	11-04-2		AE	15.8'		
		Base Flood Elevation Community Determ				red in Item	B9:	
B11. Indicate eleva	tion datum u	sed for BFE in Item B	9: 🔲 N	GVD 1929 [	X NAVD 1988	☐ Oth	er/Source:	
B12. Is the building	located in a	Coastal Barrier Reso	urces Sy	stem (CBRS)	area or Othery	vise Prote	cted Area (O	PA)? ☐ Yes ☒ No
Designation D				☐ OPA			(0	[ 160 [X] MO
								- AV
EMA Form 086-0-33	(12/10)		10 11					

# **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy the corresponding	information from 5	Section A	EOD INCLIDANCE COMPANY LICE
Building Street Address (including Apt., Unit, Suite, and/or 110 RUTGERS ROAD			FOR INSURANCE COMPANY USE Policy Number:
City Sta VENICE Flo	_	IP Code	Company NAIC Number
110		4293	
SECTION C - BUILDING EL	EVATION INFORM	IATION (SURVEY R	EQUIRED)
C1. Building elevations are based on: Construction  *A new Elevation Certificate will be required when constructions.		Building Under Construilding is complete.	iction* X Finished Construction
C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), Complete Items C2.a–h below according to the build Benchmark Utilized: NGS BM H635 EL: 12.94'	ding diagram specifie	BFE), AR, AR/A, AR/ ed in Item A7. In Puert Im: NAVD1988	AE, AR/A1-A30, AR/AH, AR/AO. o Rico only, enter meters.
Indicate elevation datum used for the elevations in it			
☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/S		SIOW.	
Datum used for building elevations must be the sam		e BFE.	
a) Top of bottom floor (including basement, crawlsp	and or employees &-		Check the measurement used.
b) Top of the next higher floor	pace, or enclosure no	ог)	17.3 🔀 feet 🗌 meters
c) Bottom of the lowest horizontal structural member	01 <b>7</b>		
d) Attached garage (top of slab)	er (v Zones only)		N/A   feet  meters  16.8   feet  meters
e) Lowest elevation of machinery or equipment sen     (Describe type of equipment and location in Com	vicing the building		17.5 X feet  meters
f) Lowest adjacent (finished) grade next to building	A CONTROL OF	1 20	16.1 X feet  meters
g) Highest adjacent (finished) grade next to building	•		
h) Lowest adjacent grade at lowest elevation of dec structural support			
			N/A X feet meters
SECTION D - SURVEYOR,	THE OWNER WHEN PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.		CATION
	veyor, engineer, or a	architect authorized by	CATION
SECTION D - SURVEYOR,  This certification is to be signed and sealed by a land sur I certify that the information on this Certificate represents	rveyor, engineer, or a s my best efforts to in ader 18 U.S. Code, S	architect authorized by terpret the data availa ection 1001.	CATION
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur I certify that the information on this Certificate represents statement may be punishable by fine or imprisonment un.  Were latitude and longitude in Section A provided by a lice.  Certifier's Name	rveyor, engineer, or a s my best efforts to in oder 18 U.S. Code, S censed land surveyor License Number	architect authorized by terpret the data availa ection 1001.	CATION  law to certify elevation information.  ble. I understand that any false
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur I certify that the information on this Certificate represents statement may be punishable by fine or imprisonment un. Were latitude and longitude in Section A provided by a lice.  Certifier's Name  B. GREGORY RIETH	rveyor, engineer, or a s my best efforts to in ader 18 U.S. Code, S censed land surveyor	architect authorized by terpret the data availa ection 1001.	law to certify elevation information. ble. I understand that any false  X Check here if attachments.
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur  I certify that the information on this Certificate represents  statement may be punishable by fine or imprisonment un  Were latitude and longitude in Section A provided by a lic  Certifier's Name  B. GREGORY RIETH  Title	rveyor, engineer, or a s my best efforts to in oder 18 U.S. Code, S censed land surveyor License Number	architect authorized by terpret the data availa ection 1001.	CATION  law to certify elevation information.  ble. I understand that any false
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur I certify that the information on this Certificate represents statement may be punishable by fine or imprisonment un. Were latitude and longitude in Section A provided by a lice.  Certifier's Name  B. GREGORY RIETH	rveyor, engineer, or a s my best efforts to in oder 18 U.S. Code, S censed land surveyor License Number	architect authorized by terpret the data availa ection 1001.	law to certify elevation information. ble. I understand that any false  X Check here if attachments.
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur I certify that the information on this Certificate represents statement may be punishable by fine or imprisonment un Were latitude and longitude in Section A provided by a lic Certifier's Name  B. GREGORY RIETH  Title PSM/CFM	rveyor, engineer, or a s my best efforts to in oder 18 U.S. Code, S censed land surveyor License Number	architect authorized by terpret the data availa ection 1001.	law to certify elevation information. ble. I understand that any false  X Check here if attachments.
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur I certify that the information on this Certificate represents statement may be punishable by fine or imprisonment un Were latitude and longitude in Section A provided by a lic Certifier's Name  B. GREGORY RIETH  Title PSM/CFM  Company Name	rveyor, engineer, or a s my best efforts to in oder 18 U.S. Code, S censed land surveyor License Number	architect authorized by terpret the data availa ection 1001.	law to certify elevation information. ble. I understand that any false  X Check here if attachments.
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur  I certify that the information on this Certificate represents  statement may be punishable by fine or imprisonment und  Were latitude and longitude in Section A provided by a lice  Certifier's Name  B. GREGORY RIETH  Title  PSM/CFM  Company Name  STRAYER SURVEYING AND MAPPING, INC.  Address	rveyor, engineer, or a s my best efforts to in oder 18 U.S. Code, S censed land surveyor License Number	architect authorized by terpret the data availa ection 1001.	law to certify elevation information. ble. I understand that any false  X Check here if attachments.
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur  I certify that the information on this Certificate represents  statement may be punishable by fine or imprisonment und  Were latitude and longitude in Section A provided by a lice  Certifier's Name  B. GREGORY RIETH  Title  PSM/CFM  Company Name  STRAYER SURVEYING AND MAPPING, INC.  Address  742 SHAMROCK BLVD  City  VENICE  Signature	State Florida  Date 04/22/2021	ZIP Code 34293 Telephone (941) 497-1290	law to certify elevation information. ble. I understand that any false  X Check here if attachments.
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur  I certify that the information on this Certificate represents  statement may be punishable by fine or imprisonment und  Were latitude and longitude in Section A provided by a lice  Certifier's Name  B. GREGORY RIETH  Title  PSM/CFM  Company Name  STRAYER SURVEYING AND MAPPING, INC.  Address  742 SHAMROCK BLVD  City  VENICE  Signature	State Florida  Date 04/22/2021	ZIP Code 34293 Telephone (941) 497-1290	law to certify elevation information. ble. I understand that any false  X Check here if attachments.
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur  I certify that the information on this Certificate represents  statement may be punishable by fine or imprisonment un  Were latitude and longitude in Section A provided by a lice  Certifier's Name  B. GREGORY RIETH  Title  PSM/CFM  Company Name  STRAYER SURVEYING AND MAPPING, INC.  Address  742 SHAMROCK BLVD  City  VENICE	State Florida  Date 04/22/2021  Parts for (1) community  C2(e), if applicable) T APP - NO CONVE	ZIP Code 34293 Telephone (941) 497-1290 official, (2) insurance a	Ext.  SECTION C2e. SECTION A5 WAS TRICTURE HAS (1) FI OOD
SECTION D – SURVEYOR,  This certification is to be signed and sealed by a land sur  I certify that the information on this Certificate represents  statement may be punishable by fine or imprisonment und  Were latitude and longitude in Section A provided by a lick  Certifier's Name  B. GREGORY RIETH  Title  PSM/CFM  Company Name  STRAYER SURVEYING AND MAPPING, INC.  Address  742 SHAMROCK BLVD  City  VENICE  Signature  Copy all pages of this Elevation Certificate and all attachme  Comments (including type of equipment and location, per  FILE #20-03-10. THE OUTSIDE A/C UNIT ON THE EAS:  DERIVED FROM A HAND HELD G.P.S. UNIT (GPSTES)	State Florida  Date 04/22/2021  Parts for (1) community  C2(e), if applicable) T APP - NO CONVE	ZIP Code 34293 Telephone (941) 497-1290 official, (2) insurance a	Ext.  SECTION C2e. SECTION A5 WAS TRICTURE HAS (1) FI OOD

# **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy	y the corresponding informa	ation from Section A.	FOR INSURANCE COMPANY US
Building Street Address (including Ap 110 RUTGERS ROAD			D. Policy Number:
City VENICE	State Florida	ZIP Code 34293	Company NAIC Number
SECTION E	- BUILDING ELEVATION I FOR ZONE AO AND	INFORMATION (SURVEY I ZONE A (WITHOUT BFE)	NOT REQUIRED)
For Zones AO and A (without BFE), complete Sections A, B,and C. For Its enter meters.	complete Items E1-F5. If the (	Certificate is intended to suppr	port a LOMA or LOMR-F request, isurement used. In Puerto Rico only,
trie nignest adjacent grade (FIAC	o) and the lowest adjacent gra	ppropriate boxes to show wh de (LAG).	nether the elevation is above or below
<ul> <li>a) Top of bottom floor (including crawlspace, or enclosure) is</li> </ul>			neters 🔲 above or 🔲 below the HAG.
<ul> <li>b) Top of bottom floor (including crawlspace, or enclosure) is</li> </ul>	basement,		
E2. For Building Diagrams 6–9 with path the next higher floor (elevation C	permanent flood openings pro		nd/or 9 (see pages 1–2 of Instructions),
the diagrams) of the building is	2.0 IN	feet   n	neters above or below the HAG.
E3. Attached garage (top of slab) is		feet _ n	neters above or below the HAG.
E4. Top of platform of machinery and servicing the building is	1/or equipment	——— ∏feet ∏n	neters above or below the HAG.
E5. Zone AO only: If no flood depth r floodplain management ordinance	number is available, is the top	of the hottom floor elevated i	
SECTION F -	PROPERTY OWNER (OR O)	WNER'S REPRESENTATIVE	E) CERTIFICATION
The property owner or owner's author	rized representative who com	plates Sections A. B. and E. &	
Property Owner or Owner's Authorize			
Address		City	State ZIP Code
Signature	2 1 2 2 2 1	Date	Telephone
Comments			
			Check here if attachments.

# **ELEVATION CERTIFICATE**

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

IMPORTANT: In these spaces, copy the corresponding inform	mation from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. 110 RUTGERS ROAD	No.) or P.O. Route and Box N	o. Policy Number:
City State VENICE Florida	ZIP Code 34293	Company NAIC Number
SECTION G - COMMUN	ITY INFORMATION (OPTION	(AL)
The local official who is authorized by law or ordinance to admin Sections A, B, C (or E), and G of this Elevation Certificate. Compused in Items G8–G10. In Puerto Rico only, enter meters.	ister the community's fleedale	
G1. The information in Section C was taken from other doc engineer, or architect who is authorized by law to certif data in the Comments area below.)	cumentation that has been sign fy elevation information. (Indic	ned and sealed by a licensed surveyor, ate the source and date of the elevation
G2. A community official completed Section E for a building or Zone AO.	g located in Zone A (without a	FEMA-issued or community-issued BFE)
G3. The following information (Items G4–G10) is provided	for community floodplain man	agement purposes.
G4. Permit Number G5. Date Permi	it Issued	G6. Date Certificate of Compliance/Occupancy Issued
G7. This permit has been issued for:	on	nt
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	- 1
Signature	Date	
Comments (including type of equipment and location, per C2(e), i	f applicable)	
		*
		Check here if attachments.

# **BUILDING PHOTOGRAPHS**

# **ELEVATION CERTIFICATE**

See Instructions for Item A6.

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

IMPORTANT: In these spaces,	copy the corresponding informati	on from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 110 RUTGERS ROAD			Policy Number:
City	State	ZIP Code	Company NAIC Number
VENICE	Florida	34293	

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.

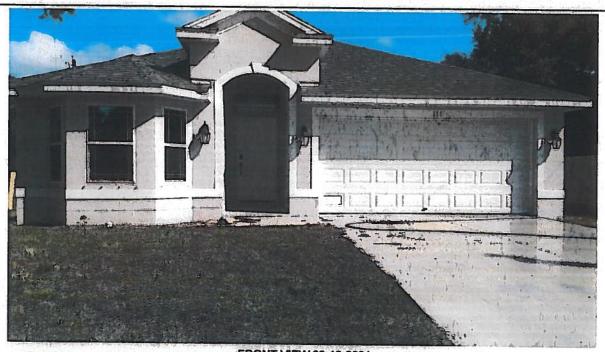


Photo One Caption

FRONT VIEW 03-18-2021

Glear Photo One



**REAR VIEW 03-18-2021** 

**Photo Two Caption** 

Clear Photo Two

# **BUILDING PHOTOGRAPHS**

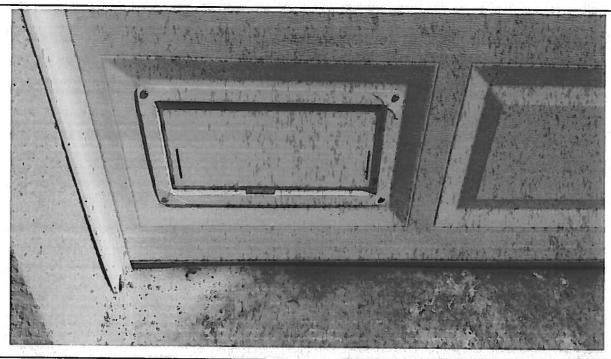
# **ELEVATION CERTIFICATE**

**Continuation Page** 

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

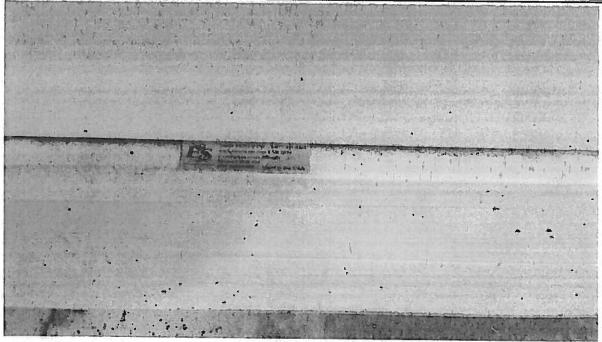
A THE PARTY NAMED AND ADDRESS OF THE PARTY NAMED AND ADDRESS O	10025 1-30 1	Expiration Date. November 30, 2022
		FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 110 RUTGERS ROAD		
State	ZIP Code	Company NAIC Number
Florida	34293	
	t., Unit, Suite, and/or Bldg. No.) State	State ZIP Code

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 Three Caption** 

Clear Photo Three



**Photo Four Caption** 

Clear Photo Four



Most Widely Accepted and Trusted

# **ICC-ES Evaluation Report**

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

**ESR-2074** 

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

**DIVISION: 08 00 00—OPENINGS** 

SECTION: 08 95 45— 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 COUNTY

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

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:

- 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)†

<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<sup>®</sup> 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<sup>®</sup> 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 <sup>®</sup>	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 = m2

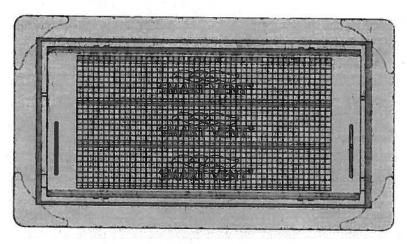


FIGURE 1—SMART VENT: MODEL 1540-510

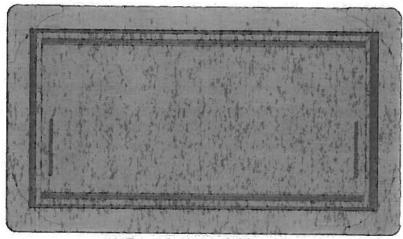


FIGURE 2-SMART VENT MODEL 1540-520

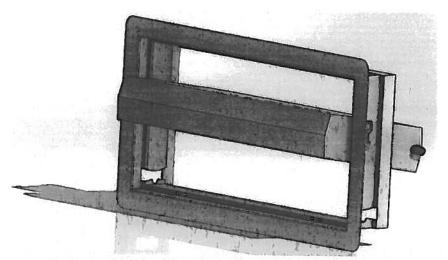


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

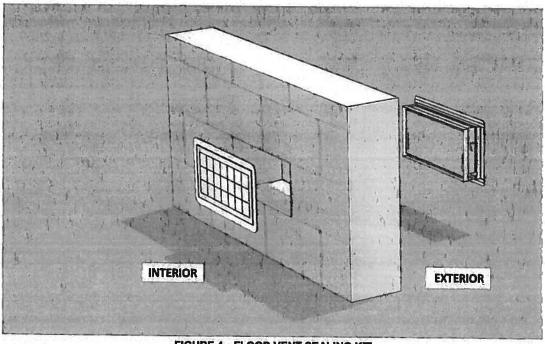


FIGURE 4—FLOOD VENT SEALING KIT



# **ICC-ES Evaluation Report**

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

Reissued February 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 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 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 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 evaluation report and the additional requirements of CBC Chapters 12, 16 and 16A, as applicable.

### 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 2016 CRC, provided the design and installation are in accordance with the 2015 *International Residential Code®* (IRC) provisions noted in the evaluation report.

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





# **ICC-ES Evaluation Report**

# **ESR-2074 FBC Supplement**

Reissued February 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 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:

- 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 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 evaluation 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 evaluation report, reissued February 2021.

