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

BLDG PERMIT PLANS OMB Control No. 1660-0008 Copy of Record Expiration Date: 06/30/2026

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION 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: Markus Waite & Lois Waite	Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: 582 Juan Anasco Drive	Company NAIC Number:
City: LongBoat Key State: FL	ZIP Code: 34228
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Nu Sleepy Lagoon Park, Lot 18 Plat Book 7 Page 83 PID# 7855000001	umber:
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): Residential	
A5. Latitude/Longitude: Lat. 27.429917° Long82.676559° Horiz. Datum:	NAD 1927 🛛 NAD 1983 🗌 WGS 84
A6. Attach at least two and when possible four clear color photographs (one for each side) of the	building (see Form pages 7 and 8).
A7. Building Diagram Number:1B	
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s): N/A 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 for Non-engineered flood openings: N/A Engineered flood openings: N/A	
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 Instruct	tions): N/A 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:	298
a) Square footage of attached garage: 573 sq. ft.	-
b) Is there at least one permanent flood opening on two different sides of the attached garage	e? ⊠ Yes ☐ No ☐ N/A
 c) Enter number of permanent flood openings in the attached garage within 1.0 foot above ad Non-engineered flood openings: 	ljacent grade: <u>3</u>
d) Total net open area of non-engineered flood openings in A9.c: gsq. in.	- Table 1
e) Total rated area of engineered flood openings in A9.c (attach documentation - see Instruct	tions): 600 sq. ft.
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): N/A sq. ft.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFO	RMATION
B1.a. NFIP Community Name: Town of Longboat Key B1.b. NFIP Cor	mmunity Identification Number: 125126
B2. County Name: Manatee B3. State: FL B4. Map/Panel No.:	12081C0291 B5. Suffix: F
B6. FIRM Index Date: 08/10/2021 B7. FIRM Panel Effective/Revised Date: 08/10/2	021
B8. Flood Zone(s): AE B9. Base Flood Elevation(s) (BFE) (Zone AO, use	Base Flood Depth): 8'
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	er/Source:
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Property Designation Date: CBRS OPA	otected Area (OPA)? Yes No
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)?	No3 2023

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (including Apt., Unit, Suite 582 Juan Anasco Drive	and/or Bldg. No.) o	or P.O. Route and B	ox No.:	R INSU	JRANG	CE C	OMPANY USE
City: LongBoat Key	_ State:FL	ZIP Code: 3422	28	npany l			per:
SECTION C - BUILD	ING ELEVATIO	N INFORMATION	(SURVEY REC	UIRE	D)		
C1. Building elevations are based on: Con *A new Elevation Certificate will be required				⊠ Fi	nished	Cons	struction
C2. Elevations – Zones A1–A30, AE, AH, AO, A A99. Complete Items C2.a–h below accordi Benchmark Utilized: NGS BM# V 689 Ele	ng to the Building [Diagram specified in	n Item A7. In Puer				
Indicate elevation datum used for the elevations ☐ NGVD 1929 ☑ NAVD 1988 ☐ Othe		h) below.					
Datum used for building elevations must be the silf Yes, describe the source of the conversion fac			rsion factor used?		Yes	\boxtimes	
a) Top of bottom floor (including basement,			9				asurement used: meters
b) Top of the next higher floor (see Instructi			21	7 🛛	feet		meters
c) Bottom of the lowest horizontal structura	I member (see Inst	ructions):	N	A 🛛	feet		meters
d) Attached garage (top of slab):			4	<u>7</u> ⊠	feet		meters
e) Lowest elevation of Machinery and Equip (describe type of M&E and location in Se			9	<u>4</u> ⊠	feet		meters
f) Lowest Adjacent Grade (LAG) next to bu	iilding: Natura	I X Finished	3	6 🛛	feet		meters
g) Highest Adjacent Grade (HAG) next to b	uilding: Natura	I X Finished	4	1 🛛	feet		meters
h) Finished LAG at lowest elevation of attac support:	ched deck or stairs	, including structure		<u>0</u> 🖂	feet		meters
SECTION D - SUR	VEYOR, ENGIN	EER, OR ARCHI	TECT CERTIFIC	MOITA	1		
This certification is to be signed and sealed by a information. I certify that the information on this false statement may be punishable by fine or im	Certificate represer	nts my best efforts t	o interpret the dat				
Were latitude and longitude in Section A provide	d by a licensed lan	d surveyor? 🛛 Y	es No				
Check here if attachments and describe in the	e Comments area.						
Certifier's Name: Martin S Britt	Licer	nse Number: PSM	5538		- 11,	177	
Title: Professional Surveyor & Mapper				M	d -	17	the
Company Name: MSB Surveying, Inc.				-	(Par 1		
Address: 536 Interstate Court				=		10	9 D
City: Sarasota	State:	FL ZIP Code:	34240	1	2/	41	38
Telephone: (941) 341-9935 Ext.:	Email: msb@	msbsurveying.co	om		30	·	=0.5(2)(0.1)
Signature: Math Batt	E .	Date: 12	/04/2023		Plac	e Se	al Here
Copy all pages of this Elevation Certificate and all	attachments for (1)	community official,	(2) insurance agen	t/compa	ny, and	d (3)	building owner.
Comments (including source of conversion factors 2 story on filled stemwall with attached gara							

degrees. A9.b-f) based on 3 Smart Vents Model #1540-520. Each engineered vent rated for =200sq.ft., per ICC-ES Evaluation Report ESR-2074 issued 02/2023. All vents are within 1.0' of the adjacent garage floor. C2.e) denotes elevated AC unit on outside of structure (see Photo Two Page 7). NOTE: 1 attachment for ICC-ES Evaluation Report ESR-2074.

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

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (including Apt., Un	it, Suite, and/or Bldg. N	No.) or P.O. Ro	te and E	Box No.	:	FOR INSURA	NCE COMPANY USE		
582 Juan Anasco Drive	Ot-1 E	EI 710.00	- 242	20		Policy Number			
City: LongBoat Key	State:F	FL ZIP Cod	e: <u>342</u>	.20		Company NAIC	Number:		
SECTION E – BUILDING MEASUREMENT INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO, ZONE AR/AO, AND ZONE A (WITHOUT BFE)									
For Zones AO, AR/AO, and A (without BI intended to support a Letter of Map Char enter meters.									
Building measurements are based on: *A new Elevation Certificate will be required.					nstruction	n* Finished	Construction		
E1. Provide measurements (C.2.a in approxime measurement is above or below the			owing ar	nd che	ck the ap	ppropriate boxes	to show whether the		
 a) Top of bottom floor (including bas crawlspace, or enclosure) is: 	sement,		feet		meters	above or	below the HAG.		
 b) Top of bottom floor (including bas crawlspace, or enclosure) is: 	sement,] feet		meters	above or	below the LAG.		
E2. For Building Diagrams 6–9 with permonent higher floor (C2.b in applicable Building Diagram) of the building is:	nanent flood openings	s provided in S	_	_		_			
E3. Attached garage (top of slab) is:			_ feet □ feet	_	meters meters	☐ above or	☐ below the HAG.		
E4. Top of platform of machinery and/or			_ leet	ш,	ineters	☐ above or	below the FIAG.		
servicing the building is:	equipment		feet		meters	above or	below the HAG.		
E5. Zone AO only: If no flood depth num floodplain management ordinance?	ber is available, is the						e community's ormation in Section G.		
SECTION F - PROPERTY	OWNER (OR OWN	IER'S AUTHO	RIZED	REPF	RESENT	TATIVE) CERT	TFICATION		
The property owner or owner's authorized sign here. The statements in Sections A,					E for Zo	ne A (without B	FE) or Zone AO must		
☐ Check here if attachments and descri	be in the Comments	area.							
Property Owner or Owner's Authorized R	epresentative Name:								
Address:									
City:				State	ə:	ZIP Code:			
Telephone: E	xt.: Email:								
Signature:			Date:			_			
Comments:									

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
582 Juan Anasco Drive	Policy Number:
City: LongBoat Key State: FL ZIP Code: 34228	Company NAIC Number:
SECTION G - COMMUNITY INFORMATION (RECOMMENDED FOR COMMUNI	ITY OFFICIAL COMPLETION)
The local official who is authorized by law or ordinance to administer the community's floodplain moderation A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and sign be	
G1. The information in Section C was taken from other documentation that has been signe engineer, or architect who is authorized by state law to certify elevation information. (In elevation data in the Comments area below.)	
G2.a. A local official completed Section E for a building located in Zone A (without a BFE), Zone E5 is completed for a building located in Zone AO.	one AO, or Zone AR/AO, or when item
G2.b. A local official completed Section H for insurance purposes.	
G3.	the information in Sections A, B, E and H.
G4.	ement purposes.
G5. Permit Number: G6. Date Permit Issued:	
G7. Date Certificate of Compliance/Occupancy Issued:	
G8. This permit has been issued for: New Construction Substantial Improvement	
G9.a. Elevation of as-built lowest floor (including basement) of the building:	meters Datum:
G9.b. Elevation of bottom of as-built lowest horizontal structural member:	meters Datum:
G10.a. BFE (or depth in Zone AO) of flooding at the building site:	meters Datum:
G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member:	meters Datum:
G11. Variance issued?	
The local official who provides information in Section G must sign here. I have completed the information to the best of my knowledge. If applicable, I have also provided specific corrections in the G	mation in Section G and certify that it is
Local Official's Name: Title:	
NFIP Community Name: Title:	
Telephone: Ext.: Email:	
Address:	
	ZIP Code:
Signature: Date:	
Comments (including type of equipment and location, per C2.e; description of any attachments; ar Sections A, B, D, E, or H):	nd corrections to specific information in

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

Continuation Page

Building Street Address (including Apt., Unit, S	Suite, and/or Bld	lg. No.)	or P.O. Route	and Box No.:	FOR INSURANCE COMPANY USE
582 Juan Anasco Drive City: LongBoat Key	State:	FL	_ ZIP Code:	34228	Policy Number: Company NAIC Number:

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo Three

Photo Three Caption: (12/04/2023) Rear & Left Side View

Clear Photo Three



Photo Four

Photo Four Caption: (12/04/2023) Left Side & Front View

Clear Photo Four

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

See Instructions for Item A6.

Building Street Address (including Apt., Unit, S	uite, and/or Blo	lg. No.)	or P.O. Route	and Box No.:	FOR INSURANCE COMPANY USE
582 Juan Anasco Drive City: LongBoat Key	State:_	FL	_ ZIP Code:	34228	Policy Number: Company NAIC Number:

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/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One

Photo One Caption: (12/04/2023) Front & Right Side View, 2 Typical Smart Vent Model #1540-520

Clear Photo One



Photo Two

Photo Two Caption: (12/04/2023) Right Side & Rear View. Elevated AC=9.4'. Tankless Water Heater=11.2'

Clear Photo Two

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (incl	uding Apt., Unit, Suite, a	and/or Bldg. No.	.) or P.O. Route	e and Box No.:	FOR IN	SURANCE COMPANY USE
582 Juan Anasco Drive					Policy N	umber:
City: LongBoat Key		State: FL	ZIP Code	34228	Compan	y NAIC Number:
SECT	ION H – BUILDING' (SURVEY NOT R					ZONES
The property owner, owner to determine the building's nearest tenth of a foot (nea <i>Instructions</i>) and the appropriate the structions of t	first floor height for insurest tenth of a meter in	urance purpose Puerto Rico).	es. Sections A, Reference the	B, and I must ale Foundation Ty	so be complet pe Diagrams	(at the end of Section H
H1. Provide the height of the	ne top of the floor (as ir	ndicated in Fou	ndation Type	Diagrams) above	the Lowest A	djacent Grade (LAG):
 a) For Building Diagonal floor (include above-grands) crawlspaces or enclosed 	ade floors only for build	-8. Top of botto dings with	om	feet	meters	above the LAG
b) For Building Diagon higher floor (i.e., the floor enclosure floor) is:				feet	meters	above the LAG
H2 arrow (shown in the	quipment servicing the e Foundation Type Diag	e building (as lis grams at end o	sted in Item H2 f Section H ins	instructions) ele structions) for the	vated to or ab appropriate E	ove the floor indicated by the Building Diagram?
☐ Yes ☐ No						
	ROPERTY OWNER	(OR OWNER	R'S AUTHOR	IZED REPRES	ENTATIVE)	CERTIFICATION
SECTION I - P	er's authorized represe he best of my knowled	entative who co	mpletes Secti	ons A, B, and H r	nust sign here	. The statements in Sections
SECTION I – P The property owner or own A, B, and H are correct to the	er's authorized represe he best of my knowled ign Section G.	entative who co	mpletes Secti local floodpla	ons A, B, and H r in management o	nust sign here official comple	e. The statements in Sections ted Section H, they should
SECTION I – P The property owner or own A, B, and H are correct to to indicate in Item G2.b and s	er's authorized represe he best of my knowled ign Section G. nts are provided (includ	entative who co ge. Note: If the	mpletes Secti local floodpla hotos) and des	ons A, B, and H r in management o scribe each attac	nust sign here official comple hment in the C	e. The statements in Sections ted Section H, they should Comments area.
SECTION I – P The property owner or own A, B, and H are correct to to indicate in Item G2.b and s Check here if attachments	er's authorized represe he best of my knowled ign Section G. nts are provided (include a Authorized Represent	entative who co ge. Note: If the ding required pot tative Name:	mpletes Secti local floodpla hotos) and des	ons A, B, and H r in management o scribe each attac	nust sign here official comple hment in the C	e. The statements in Sections ted Section H, they should Comments area.
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SECTION I – P The property owner or own A, B, and H are correct to to indicate in Item G2.b and s Check here if attachment of the correct owner's Address: City: Telephone:	er's authorized represe he best of my knowled ign Section G. nts are provided (include a Authorized Represent	entative who co ge. Note: If the ding required pot tative Name:	mpletes Secti local floodpla hotos) and des	ons A, B, and H r in management of scribe each attac State:	nust sign here official comple thment in the C	e. The statements in Sections ted Section H, they should Comments area.
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Most Widely Accepted and Trusted

ICC-ES Evaluation Report

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

ESR-2074

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

DIVISION: 08 00 00—OPENINGS

SECTION: 08 95 43—VENTS/FOUNDATION FLOOD VENTS

Copy of Record

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 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.













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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®
- 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 Reissued February 2023

This report is subject to renewal February 2025.

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:

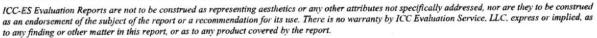
The Flood Vent Sealing Kit Model #1540-526 is used with SmartVENT® Model #1540-520. It is a Homasote 440 Sound Barrier® (ESR-1374) insert with 21 - 2-inch-by-2-inch (51 mm x 51 mm) squares cut in it. See Figure 4.

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. 19 MANTUA ROAD MOUNT ROYAL, NEW JERSEY 08061 (877) 441-8368

www.smartvent.com info@smartvent.com

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MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT®	1540-520	15 ³ / ₄ " X 7 ³ / ₄ "	200
SmartVENT®	1540-510	15 ³ / ₄ " X 7 ³ / ₄ "	200
FloodVENT® Overhead Door	1540-524	15 ³ / ₄ " X 7 ³ / ₄ "	200
SmartVENT® Overhead Door	1540-514	15 ³ / ₄ " X 7 ³ / ₄ "	200
Wood Wall FloodVENT®	1540-570	14" X 8 ³ / ₄ "	200
Wood Wall FloodVENT® Overhead Door	1540-574	14" X 8 ³ / ₄ "	200
SmartVENT® Stacker	1540-511	16" X 16"	400
FloodVent® Stacker	1540-521	16" X 16"	400

For SI: 1 inch = 25.4 mm; 1 square foot = m2

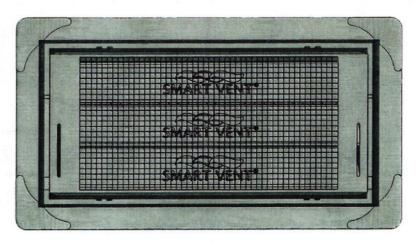


FIGURE 1-SMART VENT: MODEL 1540-510

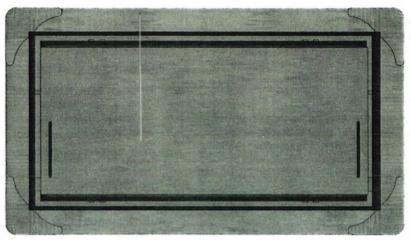


FIGURE 2—SMART VENT MODEL 1540-520

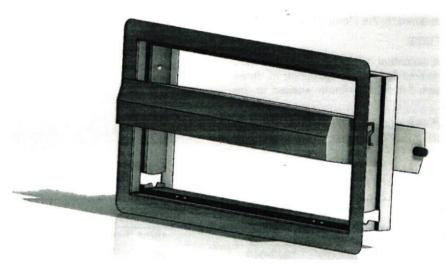


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

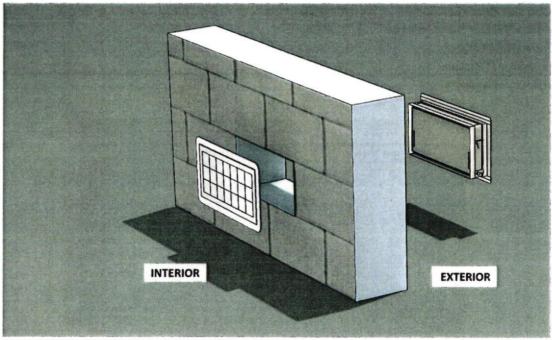


FIGURE 4-FLOOD VENT SEALING KIT



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

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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

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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 2023.

