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

BLDG PERMIT PLANS

Copy of Record OMB Control No. 1660-0008 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 No 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	
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	a? ☐ 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 Instruc	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:	
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 actions. Non-engineered flood openings: 	
d) Total net open area of non-engineered flood openings in A9.c: gq. in.	
e) Total rated area of engineered flood openings in A9.c (attach documentation - see Instruc	tions): 600 sq. ft.
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): N/A sq. ft.	
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFO	PRMATION
B1.a. NFIP Community Name: Town of Longboat Key B1.b. NFIP Co.	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 Blo	lg. No.) d	r P.O. Route	and Box	140			CE C	OMPANY USE
City: LongBoat Key	State:	FL	ZIP Code:	34228		icy Nun mpany		Numb	er:
SECTION C - BUILDI	ING ELE	VATIO	N INFORM	ATION (SURVEY REC	UIRE	D)		AND REPORTED TO
C1. Building elevations are based on: Cons *A new Elevation Certificate will be required to						⊠ Fi	nished	Cons	struction
C2. Elevations – Zones A1–A30, AE, AH, AO, A A99. Complete Items C2.a–h below accordin Benchmark Utilized: NGS BM# V 689 Ele	g to the E	Building [Diagram spec	ified in It	em A7. In Puer				
Indicate elevation datum used for the elevations in ☐ NGVD 1929 ☑ NAVD 1988 ☐ Other		through	h) below.						
Datum used for building elevations must be the salf Yes, describe the source of the conversion factor	ame as th or in the S	at used Section D	for the BFE. Comments	Conversi area.	on factor used?		Yes leck the	e mea	No asurement used:
a) Top of bottom floor (including basement, o	crawlspac	e, or en	closure floor)		9	6	feet		meters
b) Top of the next higher floor (see Instruction	ons):				21	<u>7</u> ⊠	feet		meters
c) Bottom of the lowest horizontal structural	member (see Inst	ructions):		N	<u>A</u> 🛛	feet		meters
d) Attached garage (top of slab):					4	7	feet		meters
e) Lowest elevation of Machinery and Equip (describe type of M&E and location in Sec				ing	9	<u>4</u> ⊠	feet		meters
f) Lowest Adjacent Grade (LAG) next to buil	lding:] Natura	I X Finish	ed	3	6 🛛	feet		meters
g) Highest Adjacent Grade (HAG) next to bu	ilding:] Natura	I X Finish	ed	4	1 🛛	feet		meters
h) Finished LAG at lowest elevation of attacl support:	hed deck	or stairs	including str	ructural	4	0 🛛	feet		meters
SECTION D - SURV	/EYOR,	ENGIN	EER, OR A	RCHITE	CT CERTIFIC	ATIOI	1		
This certification is to be signed and sealed by a linformation. I certify that the information on this C false statement may be punishable by fine or imp	ertificate	represer	nts my best e	fforts to i	nterpret the dat	a availa	certify able. I u	eleva	ation stand that any
Were latitude and longitude in Section A provided	by a lice	nsed lan	d surveyor?	Yes	☐ No				
Check here if attachments and describe in the	Commen	its area.							
Certifier's Name: Martin S Britt		_ Licer	se Number:	PSM 55	38		- 11	177	
Title: Professional Surveyor & Mapper Mature							the		
Company Name: MSB Surveying, Inc. Address: 536 Interstate Court City: Sarasota State: FL ZIP Code: 34240									
Address: 536 Interstate Court						-		10	
City: Sarasota	s	State:	FL ZIP	Code: 3	4240	1	2/	41	2023
Telephone: (941) 341-9935 Ext.:	Email	: msb@)msbsurvey	ing.com			The same	e	=0.5
Signature: Mat St			Da	te: 12/04	4/2023		Plac	e Sea	al Here
Copy all pages of this Elevation Certificate and all a	attachmen	ts for (1)	community o	fficial, (2)	insurance agen	l/compa	ıny, an	d (3) l	building owner.
Comments (including source of conversion factor 2 story on filled stemwall with attached garaged degrees. A9.b-f) based on 3 Smart Vents Mo	ge. A5. d	letermin	ed by field	survey ir	n state plane v	vest, c	onvert	ted to	decimal

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

	ling Street Address (including Apt., Unit, Suite, and/or	Bldg. No.)	or P.O. Route	and B	ox No.	:	FOR INSURA	NCE COMPANY USE
	Juan Anasco Drive	FI	710.0.1	240			Policy Number:	
City	LongBoat Key State	e: FL	_ ZIP Code:	342	28		Company NAIC	Number:
	SECTION E – BUILDING MEAS FOR ZONE AO, ZO							(D:
inte	Zones AO, AR/AO, and A (without BFE), complete Inded to support a Letter of Map Change request, contracters.							
	ling measurements are based on: Construction Construction Construction Construction Construction	-				nstruction	n* Finished	Construction
E1.	Provide measurements (C.2.a in applicable Building measurement is above or below the natural HAG ar			ing an	d ched	ck the ap	propriate boxes	to show whether the
	 a) Top of bottom floor (including basement, crawlspace, or enclosure) is: 	_		feet		meters	above or	below the HAG.
	 b) Top of bottom floor (including basement, crawlspace, or enclosure) is: 		🗆	feet		meters	above or	below the LAG.
E2.	For Building Diagrams 6–9 with permanent flood op next higher floor (C2.b in applicable Building Diagram) of the building is:	enings pro	vided in Sect	ion A I		8 and/or	9 (see pages 1-	-2 of Instructions), the
E3.	Attached garage (top of slab) is:		⊔	feet		meters	above or	below the HAG.
	Top of platform of machinery and/or equipment servicing the building is:			feet	_	meters	☐ above or	below the HAG.
E5.	Zone AO only: If no flood depth number is available floodplain management ordinance? Yes	20 90						e community's ormation in Section G.
	SECTION F - PROPERTY OWNER (OR	OWNER'S	S AUTHORI	ZED	REPR	RESENT	TATIVE) CERT	IFICATION
	property owner or owner's authorized representative here. The statements in Sections A, B, and E are or					E for Zo	ne A (without BI	E) or Zone AO must
	Check here if attachments and describe in the Comr				J			
Prop	erty Owner or Owner's Authorized Representative	Name:						
Add	ess:							
City					State	e:	ZIP Code:	
Tele	phone: Ext.: Em	ail:						
Sigr	ature:		Da	te:			_	
Con	ments:							

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 COMM	UNITY OFFICIAL COMPLETION)
The local official who is authorized by law or ordinance to administer the community's floodpla Section A, B, C, E, G, or H of this Elevation Certificate. Complete the applicable item(s) and s	
G1. The information in Section C was taken from other documentation that has been s engineer, or architect who is authorized by state law to certify elevation information 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 E5 is completed for a building located in Zone AO.	E), Zone AO, or Zone AR/AO, or when item
G2.b. A local official completed Section H for insurance purposes.	
G3.	s to the information in Sections A, B, E and H.
G4.	anagement 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:	eet meters Datum:
G9.b. Elevation of bottom of as-built lowest horizontal structural member:	eet meters Datum:
G10.a. BFE (or depth in Zone AO) of flooding at the building site:	eet meters Datum:
G10.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member:	eet
G11. Variance issued? Yes No If yes, attach documentation and describe in the	
The local official who provides information in Section G must sign here. I have completed the correct to the best of my knowledge. If applicable, I have also provided specific corrections in	information in Section G and certify that it is
Local Official's Name: Title:	
NFIP Community Name:	
Address:	
	ZIP Code:
Signature: Date:	
Comments (including type of equipment and location, per C2.e; description of any attachment Sections A, B, D, E, or H):	s; and 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, Suite	and/or Blo	dg. 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:

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:

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 (inclu	ding Apt., Unit, Suite, ar	nd/or Bldg. No.) or	P.O. Route and Bo	ox No.:	FOR IN	SURANCE COMPANY USE
582 Juan Anasco Drive	Tiere				Policy Nu	ımber:
City: LongBoat Key		State: FL	ZIP Code: 3422	28	Company	/ NAIC Number:
SECTION	ON H – BUILDING'S (SURVEY NOT RE					ZONES
The property owner, owner's to determine the building's finearest tenth of a foot (neare <i>Instructions</i>) and the approximation	rst floor height for insur est tenth of a meter in F	rance purposes. S Puerto Rico). Ref	Sections A, B, and ference the Found	I must also dation Type	be complete Diagrams	ed. Enter heights to the (at the end of Section H
H1. Provide the height of the	e top of the floor (as inc	dicated in Founda	ation Type Diagran	ns) above th	e Lowest A	djacent Grade (LAG):
 a) For Building Diagra floor (include above-gra crawlspaces or enclosure 	de floors only for building	8. Top of bottom ngs with		☐ feet	meters	above the LAG
b) For Building Diagra higher floor (i.e., the floor enclosure floor) is:				☐ feet	meters	above the LAG
H2. Is all Machinery and Eq H2 arrow (shown in the Yes No	uipment servicing the b Foundation Type Diagr	building (as listed rams at end of So	I in Item H2 instruction	ctions) elevans) for the ap	ted to or abo opropriate B	ove the floor indicated by the uilding Diagram?
SECTION I - PF	ROPERTY OWNER (OR OWNER'S	AUTHORIZED I	REPRESE	NTATIVE)	CERTIFICATION
The property owner or owne A, B, and H are correct to the indicate in Item G2.b and significant of the correct to the indicate in Item G2.b and significant or the correct to the correct	e best of my knowledge	ntative who comp e. Note: If the loo	letes Sections A, E cal floodplain mana	3, and H mu agement offi	st sign here cial complet	The statements in Sections ed Section H, they should
Check here if attachmen	ts are provided (includi	ng required photo	os) and describe e	ach attachm	ent in the C	omments area.
Property Owner or Owner's	Authorized Representa	ative Name:				
Address:						
City:				State:	ZIP	Code:
Telephone:	Ext.:	Email:	1			
Signature:	19		Date:			80
Comments:						



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ICC-ES Evaluation Report

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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



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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[®] (IECC)
- 2013 Abu Dhabi International Building Code (ADIBC)[†]

[†]The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Physical operation
- Water flow

2.0 USES

The Smart Vent® units are engineered mechanically operated flood vents (FVs) employed to equalize hydrostatic pressure on walls of enclosures subject to rising or falling flood waters. Certain models also allow natural ventilation.

3.0 DESCRIPTION

3.1 General:

When subjected to rising water, the Smart Vent® FVs internal floats are activated, then pivot open to allow flow in either direction to equalize water level and hydrostatic pressure from one side of the foundation to the other. The FV pivoting door is normally held in the closed position by a buoyant release device. When subjected to rising water, the buoyant release device causes the unit to unlatch, allowing

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 I/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

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

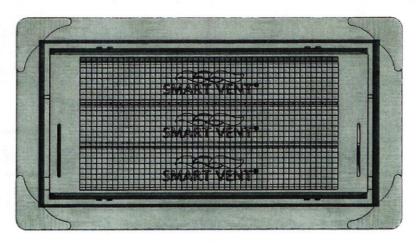


FIGURE 1-SMART VENT: MODEL 1540-510

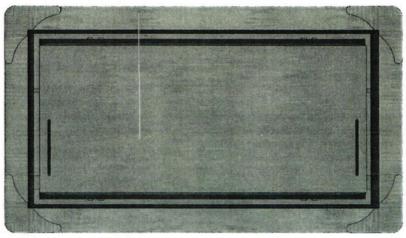


FIGURE 2—SMART VENT MODEL 1540-520

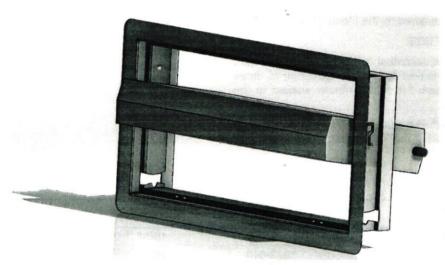


FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

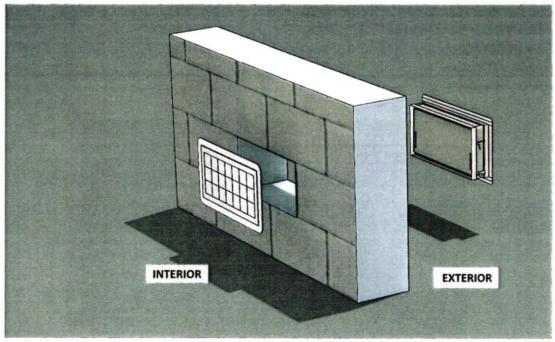


FIGURE 4-FLOOD VENT SEALING KIT



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

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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—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.

