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

OMB Control No. 1660-0008 Expiration Date: 06/30/2026

ELEVATION CERTIFICATE

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insuran SECTION A – PROPERTY INFORMATION	ce agent/company, and (3) building owner
A1. Building Owner's Name: M & J Pham Development, LLC	FOR INSURANCE COMPANY US
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 4634 Higel Avenue	Policy Number: Company NAIC Number:
City: Sarasota	
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel N	_ ZIP Code: <u>34242</u> umber:
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): Residential	
A5. Latitude/Longitude: Lat. 27°17′06.33″N Long82°33′33.85″W Horiz. Datum:	
A6. Attach at least two and when possible four clear color photographs (one for each side) of the A7. Building Diagram Number: 18] NAD 1927 🛛 NAD 1983 🗌 WGS 8
A7. Building Diagram Number: 1B	building (see Form pages 7 and 8).
A8. For a building with a crawlspace or enclosure(s):	
a) Square footage of crawlspace or enclosure(s): N/A	
b) Is there at least one permanent flood opening on two different sides of each enclosed area? c) Enter number of permanent flood openings in the	
	? ☐ Yes ☐ No ☒ N/A
	t above adjacent grade:
to rotal net open area of non-engineered flood openings in A8 c. N/A cg in	
e) Total rated area of engineered flood openings in A8.c (attach documentation - see Instruction)	one):
N/A or #	ons): N/A sq. ft.
to a building with an attached garage:	
a) Square footage of attached garage:887_sq. ft.	
 b) Is there at least one permanent flood opening on two different sides of the attached garage? 	Myor DNa Dwg
Non-engineered flood openings: N/A Engineered flood openings: 5	cent grade:
of notal her open area of non-engineered flood openings in A9.c:	
o) Total rated area of engineered flood openings in A9.c (attach documentation - see Instruction	1000
f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): N/A sq. ft.	ns): 1000 sq. ft.
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFOR	
i.a. NFIP Community Name: Sarasota County	
County Name: Sorrest	nunity Identification Number: 125144
B3. State: FL B4. Map/Panel No.: 12 B7. FIRM Index Date: 03/27/2024 B7. FIRM Panel Effective/Pavised B4. Ap/Panel No.: 12	2115C 0141 B5. Suffix: G
B7. FIRM Panel Effective/Revised Date: 03/27/2024 B9. Base Flood Flevation(s) (REF) (Zara A.O.)	4
B9. Base Flood Elevation(s) (BFE) (Zone AO, use Ba Indicate the source of the BFE data or Base Flood Depth entered in Item B9: FIS FIRM Community Determined Other:	
1. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☑ NAVD 1988 ☐ OIL 19	
Designation Date: CBRS OPA	ted Area (OPA)? Yes No
3. Is the building located seaward of the Limit of Moderate Wave Action (LiMMA)?	
A Form FF-206-FY-22-152 (formerly 086-0-33) (8/23))

Building Street Address (including Apt 4634 Higel Avenue									COMPANY US
City: Sarasota	State:	FL	ZIP Code: 34242				MAIC		nber:
SECTION	C – BUILDING ELEV	ATION	INFORMATION	(SURVEY F	REOL	IIRE	(מ:		
C1. Building elevations are based on *A new Elevation Certificate will I	: Construction Dra	winge*	Duilding Had	0	on* [Ŋ F	inishe	d Co	nstruction
C2. Elevations – Zones A1–A30, AE, A99. Complete Items C2.a–h bel Benchmark Utilized: SAR CO#	AH, AO, A (with BFE), ow according to the Bui	VE, V1 Iding Di	1/20 1/4 :11 555	AR, AR/A, A	R/AE uerto	, AR. Rico	/A1–A only,	30, A enter	R/AH, AR/AO, meters.
Indicate elevation datum used for the ☐ NGVD 1929 ☐ NAVD 1988	elevations in items a) th	rough h	n) below.	O NAVE 66					
Datum used for building elevations multiple of the converge of	ust be the same as that version factor in the Sec	used fo	or the BFE. Conversi Comments area.	ion factor use	d?	-	Yes		No
a) Top of bottom floor (including b)b) Top of the next higher floor (see	basement, crawlspace,	or encl	osure floor):		10.4	Ch ⊠		e me	easurement use meters
	50		8	2	24.1	\boxtimes	feet		meters
c) Bottom of the lowest horizontad) Attached garage (top of slab):	i structural member (see	e Instru	ctions):		N/A	\boxtimes	feet		meters
e) Lowest elevation of Machinery (describe type of M&E and local	and Equipment (M&E)	servicin	g the building		6.2	\boxtimes	feet		meters
f) Lowest Adjacent Grade (LAG)					9.8	\boxtimes	feet		meters
g) Highest Adjacent Grade (HAG)					4.8	\boxtimes	feet		meters
h) Finished LAG at lowest elevation					5.6	\boxtimes	feet		meters
support:	and and addition of 3	italis, ili	icidang structural		5.5	\boxtimes	feet		meters
SECTION	D – SURVEYOR, EN	GINEE	R, OR ARCHITE	CT CERTIF	ICAT	ION			
This certification is to be signed and se nformation. I certify that the information false statement may be punishable by	aled by a land surveyor	, engine	eer, or architect auth	norized by sta	2000	002000	Carrier Toronto	eleva nders	ation stand that any
Vere latitude and longitude in Section									
Check here if attachments and desc				house					
Certifier's Name: Edward T. Sampey	L	icense	Number: RLS 4509	9	Г				The Control of the Co
itle: Project Manager									
Company Name: Red Stake Surveyo	rs, Inc.				4		10	A	2000
ddress: 6389 Tower Lane, Level II					1	Ca.	S. T.		
ity: Sarasota	State:	FL	ZIP Code: 342	242		9-16		X	
elephone: (941) 923-9997	Ext.: Email: leve	elrun@	gmail.com			10		· A	20 4 7 G
ignature:			Date: _9/, 7	1/24		00			E O O
opy all pages of this Elevation Certificate	and all attachments for	(1) com	nmunity official, (2) in	surance ager	t/com	pany	and	(8) bu	ilding owners
omments (including source of convers 5). Measured with a hand-held GF 9C). Smart Vent 1540-520 ICC-ES 2). Conversion tool from NGVD 19 2E). Air Conditioner is located on t	ion factor in C2; type of S. Note: Constructi Evaluation Report E: 29 to 1988 completes	equipm ion per SR-20	ent and location per mit issued prior to 74 support docum	r C2.e; and d	escrip 21150 acheo	tion	0.	37	Mr. sale

Building Street Address (including A 4634 Higel Avenue	, omit, ouite, and/of Bl	ug. No.)	or P.O. Route and	Box No.:	FOR INSURANCE COMPANY
City: Sarasota	State:	FL	ZIP Code: 34	242	Policy Number:
SECTION E -	BUILDING MEASUR	REMEN	TINFORMATIO	ON (SUBV	Company NAIC Number: EY NOT REQUIRED)
For Zones AO ADVAO	OR ZONE AO, ZONE	AR/A	O, AND ZONE	A (WITHO	T NOT REQUIRED)
intended to support a Letter of Map enter meters.	out BFE), complete Iten Change request, comp	ns E1–E lete Sec	5. For Items E1– tions A, B, and C	E4, use natu . Check the	UT BFE) Iral grade, if available. If the Certificate measurement used. In Puerto Rico only
Building measurements are based *A new Elevation Certificate will be	on: Construction D	rawings*	Building Un	der Constru	ction* Finished Construction
measurement is above or below	in applicable Building Di v the natural HAG and th	agram) f he LAG.	or the following a	ind check th	e appropriate boxes to show whether th
 Top of bottom floor (includin crawlspace, or enclosure) is 	:		☐ feet	mete	re
 Top of bottom floor (including crawlspace, or enclosure) is: 			foot		
 For Building Diagrams 6–9 with next higher floor (C2.b in applica Building Diagram) of the building 	permanent flood openin	igs provi	ded in Section A	Items 8 and	rs □ above or □ below the LAG /or 9 (see pages 1–2 of Instructions), th
Attached garage (top of slab) is:	g 15.		feet	meter	
Top of platform of machinery an servicing the building is:			feet	meter	s above or below the HAG
3			[foot		
5. Zone AO only: If no flood depth in floodplain management ordinance	The second secon		111010	cai official fi	accordance with the community's
5. Zone AO only: If no flood depth is floodplain management ordinand SECTION F - PROPERT	TY OWNER (OR OWN	NER'S	the bottom floor known The lo	elevated in a cal official m	accordance with the community's nust certify this information in Section G
5. Zone AO only: If no flood depth in floodplain management ordinand SECTION F - PROPERTURE property owner or owner's authorism here. The statements in Sections	TY OWNER (OR OWN rized representative who S A, B, and E are correct	NER'S A	the bottom floor known The lo	elevated in a cal official m	accordance with the community's
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Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P. 4634 Higel Avenue	O. Route and Box No.:	FOR INSURANCE COMPANY U
City: Sarasota State: FL ZI	P Code: 34242	Policy Number:
		Company NAIC Number:
SECTION G – COMMUNITY INFORMATION (RECOMME	NDED FOR COMMU	INITY OFFICIAL COMPLETION)
The local official who is authorized by law or ordinance to administer the Section A, B, C, E, G, or H of this Elevation Certificate. Complete the ap	community's floodplain	management ordinance can complete
G1. The information in Section C was taken from other document engineer, or architect who is authorized by state law to certify elevation data in the Comments area below.)	()	Todow Wileli.
G2.a. A local official completed Section E for a building located in Z E5 is completed for a building located in Zone AO.		
G2.b. A local official completed Section H for insurance purposes.		and, of when tem
G3. In the Comments area of Section G, the local official describe		
G3. In the Comments area of Section G, the local official describe G4. The following information (Items G5–G11) is provided for severe	s specific corrections to	the information in Sections A, B, E and
G5 Design 12 11 2001 DI Try is provided for com	munity floodplain mana	gement purposes.
G7. Date Certificate of Compliance/Occupancy Issued:	ssued: 1/12/20	123
G8. This permit has been issued for: New Construction Subs		
G9.a. Elevation of as-built lowest floor (including basement) of the building:	tantial Improvement	
69.b. Elevation of bottom of as-built lowest horizontal structural member:	feet	meters Datum:
G10.a. BFE (or depth in Zone AO) of flooding at the building site:	feet	meters Datum:
610.b. Community's minimum elevation (or depth in Zone AO) requirement for the lowest floor or lowest horizontal structural member:	feet	meters Datum:
11. Variance issued? Yes No If yes, attach documentation	and describe in the Co	mments area
process of the best of my knowledge. If applicable, I have also provided and	ive completed the inform	nation in Section G and certify that it is
cal Official's Name: Ember Dunn FIP Community Name:	cilic corrections in the C	comments area of this section.
FIP Community Name:	Title:	
elephone:		
dress: Ext.: Email:		
y:		
mments (including type (Date: 10/16/202	211
mments (including type of equipment and location, per C2.e; description o ctions A, B, D, E, or H):	f any attachments; and	corrections to specific information in
		, same uncontained in

The property owner, owner's to determine the building's fir nearest tenth of a foot (neare <i>Instructions</i>) and the appro	authorized repressive floor height for in the strength of a meter priate Building D top of the floor (as ms 1A, 1B, 3, and the floors only for her	G'S FIRST FI REQUIRED) entative, or local surance purpo in Puerto Rico) iagrams (at the	LOOR HEI (FOR INS al floodplain ses. Section Reference e end of Se	e the Foundation T	ON FOR ALL OSES ONLY) I may complete also be comple type Diagrams	e Section H for all flood zon
The property owner, owner's to determine the building's fir nearest tenth of a foot (neare <i>Instructions</i>) and the appro	authorized repressive floor height for in the strength of a meter priate Building D top of the floor (as ms 1A, 1B, 3, and the floors only for her	entative, or local nsurance purpo in Puerto Rico iagrams (at the	al floodplain ses. Section Reference e end of Se	management official as A, B, and I must as the Foundation T	ON FOR ALL OSES ONLY) I may complete also be comple type Diagrams	ZONES e Section H for all flood zon
The property owner, owner's to determine the building's fir nearest tenth of a foot (neare <i>Instructions</i>) and the appro	authorized repressive floor height for in the strength of a meter priate Building D top of the floor (as ms 1A, 1B, 3, and the floors only for her	entative, or local nsurance purpo in Puerto Rico iagrams (at the	al floodplain ses. Section Reference e end of Se	management official as A, B, and I must as the Foundation T	I may complete also be comple type Diagrams	e Section H for all flood zon
H1. Provide the height of the a) For Building Diagrar floor (include above-grad crawlspaces or enclosure b) For Building Diagrap	st floor height for it st tenth of a meter priate Building D top of the floor (as ms 1A, 1B, 3, and e floors only for bu	entative, or local nsurance purpo in Puerto Rico) iagrams (at the indicated in Fo	Il floodplain ses. Section . Reference e end of Se	management officians A, B, and I must as the Foundation T	I may complete also be comple type Diagrams	e Section H for all flood zon
enclosure floor) is: H2. Is all Machinery and Equi H2 arrow (shown in the Fo Yes No SECTION I – PRO	above basement, pment servicing the pundation Type Dia	6–9. Top of nex crawlspace, or e building (as liagrams at end c	sted in Item of Section H	rpe Diagrams) above feet feet H2 instructions) eleinstructions) for the	e the Lowest A meters meters meters vated to or aborappropriate Bo	Adjacent Grade (LAG): Adjacent Grade (LAG): above the LAG above the LAG by the floor indicated by the uilding Diagram?
he property owner or owner's , B, and H are correct to the b dicate in Item G2 b and sign	authorized representation	entative who co	mpletes Se	ctions A, B, and H m	Just sign here	The statement is 2.
h, B, and H are correct to the bandicate in Item G2.b and sign S	Section G.	ge. Note: If the	local floodp	lain management of	ficial complete	ed Section H, they should
Check here if attachments a roperty Owner or Owner's Aut	horized Represent	otice N	iotos) and d	escribe each attachi	ment in the Co	mments area.
roperty Owner or Owner's Aut	nonzed Nepresent	ative Name:				
ity:						
elephone:	Ext.:	Email:		State:	ZIP C	ode:
		_ Email:				
gnature:				Date:		
mments:						

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

See Instructions for Item A6.

Building Street Address (including Ant. 11	See Instructions for Item A6.	
4634 Higel Avenue	nit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
City: Sarasota	State: FL ZIP Code: 34242	Policy Number:
Instructions: Insert below at least two and able to take front and back pictures of tow	when possible four photographs showing each side of the	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: FRONT FINAL PHOTO TAKEN ON SEPTEMBER 04, 2024

Clear Photo One

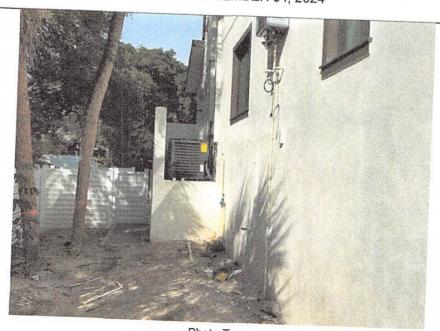


Photo Two

Photo Two Caption: AIR CONDITIONER FINAL PHOTO TAKEN ON SEPTEMBER 04,2024

Clear Photo Two

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

Duild's Co	Continuation Page	
Building Street Address (including Apt., Unit, Suite, 4634 Higel Avenue	and/or Bldg. No.) or P.O. Route and Box No.:	FOR INSURANCE COMPANY USE
City: Sarasota	State: FL ZIP Code: 34242	Policy Number:
Insert the third and fourth photographs below. Ider View," or "Left Side View." When flood openings a	ntify all photographs with the date taken and "Fron	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



Photo Three

Photo Three Caption: VENT FINAL PHOTO TAKEN ON SEPTEMBER 04,2024

Clear Photo Three



Photo Four

Photo Four Caption: REAR FINAL PHOTO TAKEN ON SEPTEMBER 04,2024

Clear Photo Four



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

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 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

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

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 = m^2

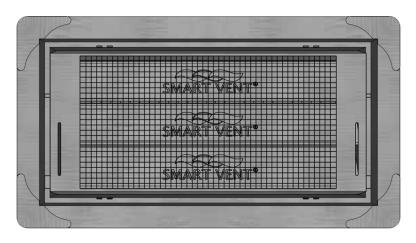


FIGURE 1—SMART VENT: MODEL 1540-510

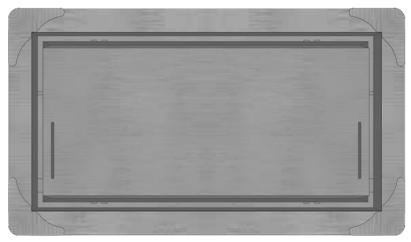


FIGURE 2—SMART VENT MODEL 1540-520



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

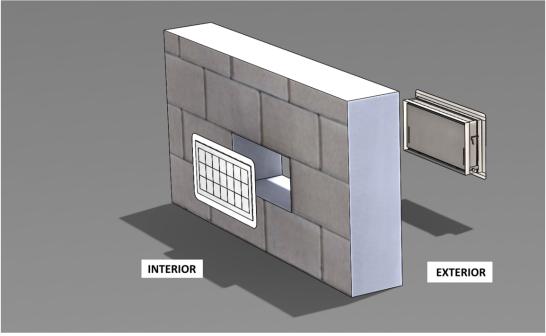


FIGURE 4—FLOOD VENT SEALING KIT



ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

Reissued February 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; #1540-524; #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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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.

